Supporting Raw Data

Classical Chemistry

Lot # EQT 180165

001492

STL Los Angeles
pH Worksheet

Method: 150.1/9040B ✓ 9045C ✓
Instr ID: W07
Serial No: C0024955
Location: Extraction Lab.

Analysis Date: 10/19/00
Analyst Int: DB/OK
Reviewer/Date: _____

PH SOILS - 0293477
LIQ - 0294573

Instrument Maintenance Checks:

Daily:
- ✓ Check proper level of filling solution
- ✓ Store electrode in buffer

As Needed:
- ____ Clean electrode
- ____ Add filling solutions to electrode

QC Criteria:

LCS reads ± 0.1 unit of true value

Calibration Curve

Stock Source ID#	Stock Conc.	Instrument Reading	Temp Reading	Comments	Start time:
VWR 9910006	4	4.00	20.3		22:00
JTBAKER N24516	7	7.02	20.2		22:02
VWR 9910132	10	10.04	20.3		22:04
PH 1-35	9.18 ICV/LCS	9.15	20.6		22:06

Sample ID	Matrix A – S	Solid Samples		Instrument Reading		Comments	Start time:
		Wt (g)	mL (DI)	pH	Temp ©		
ICV/LCS				9.15	20.6		
DNAN4	S	20.0	20.0	9.52	21.4	EOJ170247-22	22:08
DNAN4X	↓	20.0	↓	9.57	21.4	↓ 23	22:10
DNAN5	↓	20.0	↓	9.22	21.1	↓ 24	22:12
DNAN6	↓	20.0	↓	9.38	21.2	↓ 25	22:14
DNAN7	↓	20.0	↓	9.23	20.9	↓ 26	22:16
DNAN8	↓	20.0	↓	9.09	20.9	↓ 27	22:18
DNAPA	↓	20.0	↓	8.75	21.1	↓ 28	22:20
DNCE3	↓	20.0	↓	8.15	20.8	EOJ180165-1	22:22
DNCFA	↓	20.0	↓	8.22	20.6	↓ -2	22:24
DND2E	↓	20.0	↓	9.38	21.0	EOJ19 — 363-1	22:26
PH 7				7.02	20.7		22:28
DND2F	S	20.0	20.0	8.74	19.5	EOJ180363-2	23:00
DND2G	↓	20.0	↓	8.77	20.4	↓ -3	23:03
DND2M	↓	20.0	↓	9.30	19.9	↓ -7	23:06
DND2N	↓	20.0	↓	9.22	19.9	↓ -8	23:08
DNGMC	L			7.58	19.5	EOJ190371-13	23:10
DNGMCX	↓			7.46	19.6	↓	23:12
DNGEP	↓			7.27	20.4	EOJ190351-9	23:14
pH 7.0				7.02	19.7		

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version 10/13/00

10/19/00

001493

BOE-C6-0172725

Supporting Raw Data

Metals

Lot # EQJ180165

001494

STL Los Angeles
Précis
ICAP Data Summary Cover Sheet

Instrument ID: ICPT - M01 Analyst: [illegible]
Analytical Date: 10/20/00

Analysis by SOP: 6010B - 2007 - CORP-MT-0001 Rev 2

Data File: P102000

Batch	Lot/Project	Data Upload	Review/Release	Pkg.
0293453	G 0J160175	[illegible] 10/21/00		
0293476	EOJ180190			
	EOJ180353			
	EOJ120212			
0293294	EOJ160213			
0293479	GOJ060313			
	EOJ150247			
0292310	EOJ170121			
0293471	EOJ190184			
	EOJ180165			
	EOJ190187			

Standards

Calibration Stds:	**Lot #**	**Calibration Check Stds:**	**Lot #**
1. Blank	101700 -T1	ICV	100300 -T4
2. STD1	101700 -T2	CCV	101700 -T5
3.		ICSA	101700 -T7
4.		ICSAB 4.0	100500 -T8
5.		5.	
6.		6.	

Notes/Comments:

N:\metals\forms\dscs.doc
10/13/00

001495

BOE-C6-0172727

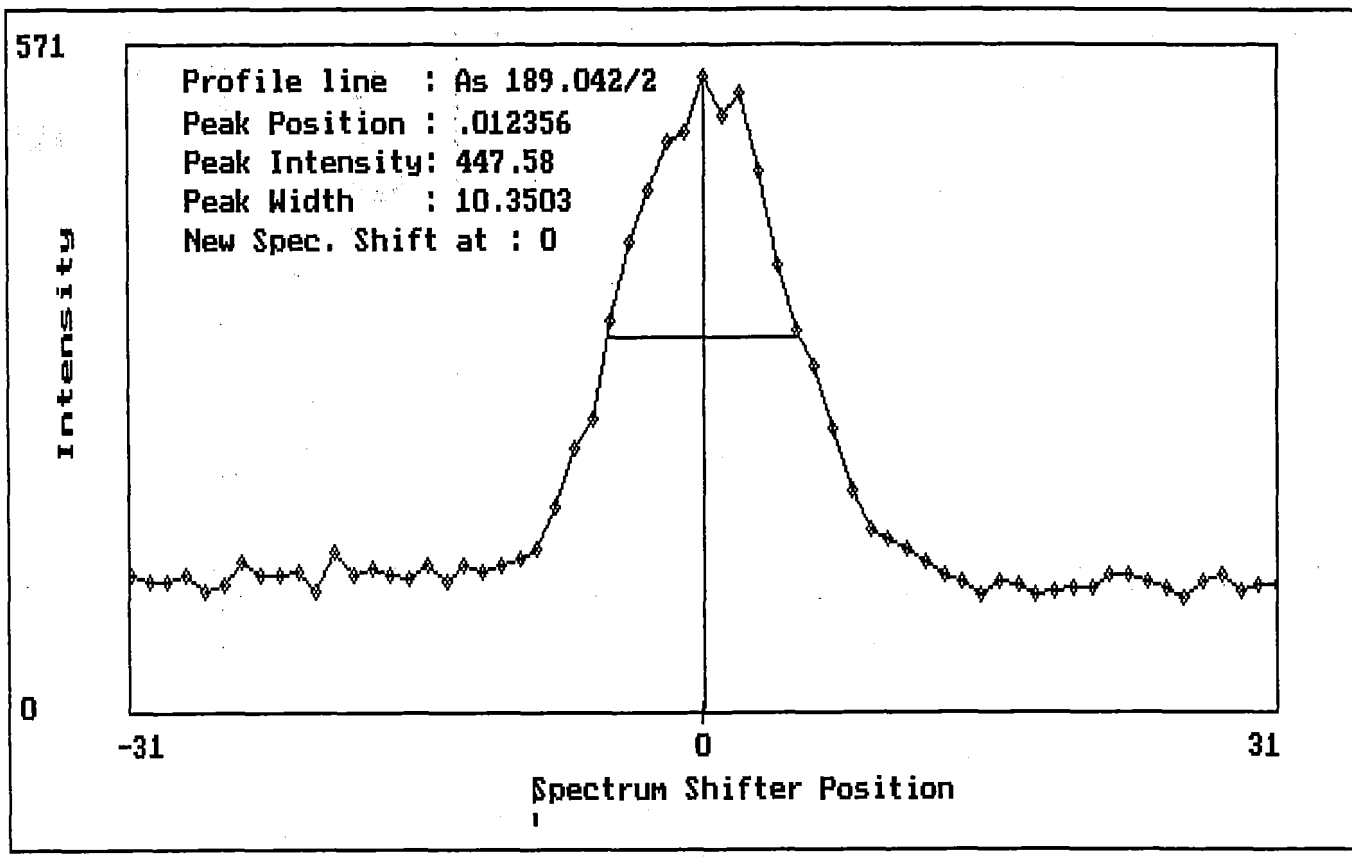
	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	STDBLK	P102000	QTESTNAK	10/20/00	13:29		X	IR
2	STD1	P102000	QTESTNAK	10/20/00	13:35		X	IR
3	ICVHP	P102000	QTESTNAK	10/20/00	13:42	KT	S	CONC
4	ICB	P102000	QTESTNAK	10/20/00	13:52	KT	S	CONC
5	ICSA	P102000	QTESTNAK	10/20/00	13:58	KT	S	CONC
6	ICSAB4.0	P102000	QTESTNAK	10/20/00	14:06	KT	S	CONC
7	TEST-CRI	P102000	QTESTNAK	10/20/00	14:16	KT	S	CONC
8	DM8VW	P102000	QTESTNAK	10/20/00	14:23	KT	S	CONC
9	DM8V1	P102000	QTESTNAK	10/20/00	14:29	KT	S	CONC
10	DM8WA	P102000	QTESTNAK	10/20/00	14:35	KT	S	CONC
11	DM8WF	P102000	QTESTNAK	10/20/00	14:41	KT	S	CONC
12	DM8WQ	P102000	QTESTNAK	10/20/00	14:47	KT	S	CONC
13	DM8WV	P102000	QTESTNAK	10/20/00	14:53	KT	S	CONC
14	DM8W0	P102000	QTESTNAK	10/20/00	14:59	KT	S	CONC
15	CCVT	P102000	QTESTNAK	10/20/00	15:05	KT	S	CONC
16	CCBT	P102000	QTESTNAK	10/20/00	15:13	KT	Q	CONC
17	DNGFAB-0293471 TI -ve	P102000	QTESTNAK	10/20/00	15:36	KT	S	CONC
18	DNGFAC	P102000	QTESTNAK	10/20/00	15:42	KT	S	CONC
19	DNE6X	P102000	QTESTNAK	10/20/00	15:50	KT	S	CONC
20	DNCE3	P102000	QTESTNAK	10/20/00	15:56	KT	S	CONC
21	DNCE3P	P102000	QTESTNAK	10/20/00	16:02	KT	S	CONC
22	DNCE3S	P102000	QTESTNAK	10/20/00	16:10	KT	S	CONC
23	DNCE3D	P102000	QTESTNAK	10/20/00	16:22	KT	S	CONC
24	~~DNCFA~~ DNCFA	P102000	QTESTNAK	10/20/00	16:32	KT	S	CONC
25	~~DNCFL~~ DNCFL	P102000	QTESTNAK	10/20/00	16:38	KT	S	CONC
26	~~DNCGF~~ DNCFI	P102000	QTESTNAK	10/20/00	16:46	KT	S	CONC
27	CCVT	P102000	QTESTNAK	10/20/00	16:52	KT	S	CONC
28	CCBT	P102000	QTESTNAK	10/20/00	17:02	KT	Q	CONC
29	~~DNCGN~~ DNCGF	P102000	QTESTNAK	10/20/00	17:08	KT	S	CONC
30	~~DNCHA~~ DNCGN	P102000	QTESTNAK	10/20/00	17:19	KT	S	CONC
31	~~DNCHG~~ DNCHA	P102000	QTESTNAK	10/20/00	17:29	KT	S	CONC
32	~~DNCHL~~ DNCHG	P102000	QTESTNAK	10/20/00	17:35	KT	S	CONC
33	~~DNCHP~~ DNCHL	P102000	QTESTNAK	10/20/00	17:44	KT	S	CONC
34	~~DNCJC~~ DNCHP	P102000	QTESTNAK	10/20/00	17:52	KT	S	CONC
35	~~DNCJH~~ DNCJC	P102000	QTESTNAK	10/20/00	18:04	KT	S	CONC
36	DNCJH	P102000	QTESTNAK	10/20/00	18:12	KT	S	CONC
37	DNCJJ	P102000	QTESTNAK	10/20/00	18:18	KT	S	CONC
38	DNCJL	P102000	QTESTNAK	10/20/00	18:26	KT	S	CONC
39	CCVT	P102000	QTESTNAK	10/20/00	18:36	KT	S	CONC
40	CCBT	P102000	QTESTNAK	10/20/00	18:44	KT	Q	CONC
41	DNE66	P102000	QTESTNAK	10/20/00	18:50	KT	S	CONC
42	DNE7C	P102000	QTESTNAK	10/20/00	18:56	KT	S	CONC
43	DNF8NB-0293453	P102000	QTESTNAK	10/20/00	19:02	KT	S	CONC
44	DNF8NC	P102000	QTESTNAK	10/20/00	19:12	KT	S	CONC
45	DNCX7	P102000	QTESTNAK	10/20/00	19:20	KT	S	CONC
46	DNCX7P	P102000	QTESTNAK	10/20/00	19:28	KT	S	CONC
47	DNCX7S	P102000	QTESTNAK	10/20/00	19:34	KT	S	CONC
48	DNCX7D	P102000	QTESTNAK	10/20/00	19:42	KT	S	CONC
49	DNCX7X	P102000	QTESTNAK	10/20/00	19:50	KT	S	CONC
50	CCVT	P102000	QTESTNAK	10/20/00	20:00	KT	S	CONC
51	CCBT	P102000	QTESTNAK	10/20/00	20:10	KT	Q	CONC
52	DNGGDBT-0293479	P102000	QTESTNAK	10/20/00	20:16	KT	S	CONC
53	DNGGDCT	P102000	QTESTNAK	10/20/00	20:24	KT	S	CONC

bt 10/21/00

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
54	DNC4VT	P102000	QTESTNAK	10/20/00	20:35	KT	S	CONC
55	DNC40T	P102000	QTESTNAK	10/20/00	20:43	KT	S	CONC
56	DNC45T	P102000	QTESTNAK	10/20/00	20:51	KT	S	CONC
57	DNC20T Zn	P102000	QTESTNAK	10/20/00	20:59	KT	S	CONC
58	DNC20PT	P102000	QTESTNAK	10/20/00	21:09	KT	S	CONC
59	DNC20ST	P102000	QTESTNAK	10/20/00	21:15	KT	S	CONC
60	CCVT	P102000	QTESTNAK	10/20/00	21:21	KT	S	CONC
61	CCBT, As	P102000	QTESTNAK	10/20/00	21:29	KT	Q	CONC
62	DNC20DT	P102000	QTESTNAK	10/20/00	21:35	KT	S	CONC
63	DNGGDCT 5X KT 10/21/00	P102000	QTESTNAK	10/20/00	21:51	KT	S	CONC
64	DNC20ST 5X	P102000	QTESTNAK	10/20/00	22:01	KT	S	CONC
65	DNC20DT 5X	P102000	QTESTNAK	10/20/00	22:11	KT	S	CONC
66	DNEVKBT-0293294	P102000	QTESTNAK	10/20/00	22:21	KT	S	CONC
67	DNEVKCT	P102000	QTESTNAK	10/20/00	22:31	KT	S	CONC
68	DM80TT	P102000	QTESTNAK	10/20/00	22:37	KT	S	CONC
69	DM80TPT	P102000	QTESTNAK	10/20/00	22:47	KT	S	CONC
70	DM80ST	P102000	QTESTNAK	10/20/00	22:53	KT	S	CONC
71	DM80DT	P102000	QTESTNAK	10/20/00	23:06	KT	S	CONC
72	CCVT	P102000	QTESTNAK	10/20/00	23:14	KT	S	CONC
73	CCBT.	P102000	QTESTNAK	10/20/00	23:22	KT	Q	CONC
74	DNEVKCT 5X	P102000	QTESTNAK	10/20/00	23:28	KT	S	CONC
75	DM80TST 5X	P102000	QTESTNAK	10/20/00	23:40	KT	S	CONC
76	DM80TDT 5X	P102000	QTESTNAK	10/20/00	23:48	KT	S	CONC
77	DNCMGB-0292310	P102000	QTESTNAK	10/20/00	23:56	KT	S	CONC
3	DNCMGC	P102000	QTESTNAK	10/21/00	00:02	KT	S	CONC
79	DM9EJ	P102000	QTESTNAK	10/21/00	00:16	KT	S	CONC
80	DM9EJP	P102000	QTESTNAK	10/21/00	00:26	KT	S	CONC
81	DM9EJS	P102000	QTESTNAK	10/21/00	00:34	KT	S	CONC
82	DM9EJD	P102000	QTESTNAK	10/21/00	00:42	KT	S	CONC
83	DM9FE	P102000	QTESTNAK	10/21/00	00:50	KT	S	CONC
84	CCVT	P102000	QTESTNAK	10/21/00	00:58	KT	S	CONC
85	CCBT.	P102000	QTESTNAK	10/21/00	01:11	KT	Q	CONC
86	DM9FJ	P102000	QTESTNAK	10/21/00	01:16	KT	S	CONC
87	DM9FM	P102000	QTESTNAK	10/21/00	01:22	KT	S	CONC
88	DM9FV	P102000	QTESTNAK	10/21/00	01:28	KT	S	CONC
89	DM9F1	P102000	QTESTNAK	10/21/00	01:35	KT	S	CONC
90	DM9F2	P102000	QTESTNAK	10/21/00	01:41	KT	S	CONC
91	DM9F4	P102000	QTESTNAK	10/21/00	01:47	KT	S	CONC
92	DM9F8	P102000	QTESTNAK	10/21/00	01:53	KT	S	CONC
93	DM9GF	P102000	QTESTNAK	10/21/00	01:59	KT	S	CONC
94	DM9GH	P102000	QTESTNAK	10/21/00	02:05	KT	S	CONC
95	DM9GK	P102000	QTESTNAK	10/21/00	02:11	KT	S	CONC
96	CCVT	P102000	QTESTNAK	10/21/00	02:22	KT	S	CONC
97	CCBT.	P102000	QTESTNAK	10/21/00	02:30	KT	Q	CONC
98	DM9GM	P102000	QTESTNAK	10/21/00	02:36	KT	S	CONC
99	DM9GN	P102000	QTESTNAK	10/21/00	02:42	KT	S	CONC
100	DM9GQ	P102000	QTESTNAK	10/21/00	02:49	KT	S	CONC
101	DM9GV	P102000	QTESTNAK	10/21/00	02:54	KT	S	CONC
102	DM9G0	P102000	QTESTNAK	10/21/00	03:01	KT	S	CONC
3	DM9G2	P102000	QTESTNAK	10/21/00	03:07	KT	S	CONC
104	DM9G4	P102000	QTESTNAK	10/21/00	03:14	KT	S	CONC
105	DM9G5	P102000	QTESTNAK	10/21/00	03:20	KT	S	CONC
106	CCVT	P102000	QTESTNAK	10/21/00	03:27	KT	S	CONC
107	CCBT,	P102000	QTESTNAK	10/21/00	03:35	KT	Q	CONC

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
108	DNGE3BF-0293476	P102000	QTESTNAK	10/21/00	03:41	KT	S	CONC
109	DNGE3CF	P102000	QTESTNAK	10/21/00	03:49	KT	S	CONC
110	DNCM2F	P102000	QTESTNAK	10/21/00	03:57	KT	S	CONC
111	DNCM8F	P102000	QTESTNAK	10/21/00	04:09	KT	S	CONC
112	DNCNCF	P102000	QTESTNAK	10/21/00	04:17	KT	S	CONC
113	DNCNKF	P102000	QTESTNAK	10/21/00	04:25	KT	S	CONC
114	DND0AF	P102000	QTESTNAK	10/21/00	04:38	KT	S	CONC
115	DND0HF	P102000	QTESTNAK	10/21/00	04:46	KT	S	CONC
116	DND0JF	P102000	QTESTNAK	10/21/00	04:54	KT	S	CONC
117	DND0KF	P102000	QTESTNAK	10/21/00	05:00	KT	S	CONC
118	CCVT	P102000	QTESTNAK	10/21/00	05:06	KT	S	CONC
119	CCBT'	P102000	QTESTNAK	10/21/00	05:14	KT	Q	CONC
120	DND0LF	P102000	QTESTNAK	10/21/00	05:19	KT	S	CONC
121	DND0PF	P102000	QTESTNAK	10/21/00	05:28	KT	S	CONC
122	DND0VF	P102000	QTESTNAK	10/21/00	05:33	KT	S	CONC
123	DND04F	P102000	QTESTNAK	10/21/00	05:42	KT	S	CONC
124	DM2H0F	P102000	QTESTNAK	10/21/00	05:50	KT	S	CONC
125	DM2K9F	P102000	QTESTNAK	10/21/00	05:56	KT	S	CONC
126	DM2LHF	P102000	QTESTNAK	10/21/00	06:04	KT	S	CONC
127	DM2LJF	P102000	QTESTNAK	10/21/00	06:12	KT	S	CONC
128	DM2LRF	P102000	QTESTNAK	10/21/00	06:18	KT	S	CONC
129	DM2LRPF	P102000	QTESTNAK	10/21/00	06:26	KT	S	CONC
130	CCVT	P102000	QTESTNAK	10/21/00	06:32	KT	S	CONC
131	CCBT'	P102000	QTESTNAK	10/21/00	06:40	KT	Q	CONC
[illegible]	DM2LRSF	P102000	QTESTNAK	10/21/00	06:46	KT	S	CONC
133	DM2LRDF	P102000	QTESTNAK	10/21/00	06:56	KT	S	CONC
134	DNGFAB-0293471	P102000	QTESTNAK	10/21/00	07:06	KT	S	CONC
135	CCVT	P102000	QTESTNAK	10/21/00	07:12	KT	S	CONC
136	CCBT'	P102000	QTESTNAK	10/21/00	07:20	KT	Q	CONC

DN KT 10/21/00


571
Profile line : As 189.042/2
Peak Position : .012356
Peak Intensity: 447.58
Peak Width : 10.3503
New Spec. Shift at : 0
Intensity
0
-31
0
31
Spectrum Shifter Position

10/20/00

Method: QTESTNAK Standard: STDBLK
Run Time: 10/20/00 13:29:19

Elem	Al3082	As1890	Ba4934	Be3130	Cd_tr	Ca3179	Cr_tr
Avge	.09500	-.03919	.00021	.00205	.01867	.00164	.00492
SDev	.00091	.01130	.00029	.00000	.00377	.00000	.00058
%RSD	.95464	28.840	141.42	.03830	20.166	.03830	11.747
#1	.09565	-.03120	.00000	.00205	.01601	.00164	.00452
#2	.09436	-.04718	.00041	.00205	.02133	.00164	.00533

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Mo2020	Ni2316
Avge	-.00021	.01129	-.00062	.00082	.00021	.00041	.00000
SDev	.00029	.00030	.00087	.00000	.00029	.00000	.00000
%RSD	141.42	2.6096	141.42	.03830	141.42	.03830	.00000
#1	-.00041	.01149	.00000	.00082	.00000	.00041	.00000
#2	.00000	.01108	-.00123	.00082	.00041	.00041	.00000

Elem	Ag_tr	Na3302	Tl1908	Ti3349	V_2924	Zn2138	Sn1899
Avge	-.00000	-.00636	-.03468	-.00103	.00000	.00123	-.00123
SDev	.00058	.00087	.00144	.00029	.00000	.00000	.00058
%RSD	522240.	13.724	4.1458	28.321	.00000	.03830	47.174
#1	-.00041	-.00698	-.03366	-.00123	.00000	.00123	-.00164
#2	.00041	-.00574	-.03569	-.00082	.00000	.00123	-.00082

Elem	2068_1	2068_2	2203_1	2203_2	1960_1	1960_2	B_2496
Avge	-.01129	.00287	.08351	.00287	-.01108	.00964	.0000
SDev	.00378	.00174	.00496	.00348	.00058	.00145	.0000
%RSD	33.463	60.640	5.9453	121.21	5.1996	15.083	.0000
#1	-.01396	.00410	.08703	.00041	-.01067	.01067	.0000
#2	-.00862	.00164	.08000	.00533	-.01149	.00862	.0000

Elem	Sr4215	Si2881
Avge	.0000	.0675
SDev	.0000	.0003
%RSD	.0000	.4682
#1	.0000	.0677
#2	.0000	.0673

IntStd de	1 Counts	2 NOTUSED	3 NOTUSED	4 NOTUSED	5 NOTUSED	6 NOTUSED	7 NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4873	--	--	--	--	--	--
SDev	1.866513	--	--	--	--	--	--
%RSD	.0382997	--	--	--	--	--	--
#1	4872	--	--	--	--	--	--
#2	4875	--	--	--	--	--	--

Method: QTESTNAK Standard: STD1
Run Time: 10/20/00 13:35:42

Elem	Al3082	As1890	Ba4934	Be3130	Cd_tr	Ca3179	Cr_tr
Avge	16.173	2.0604	3.8045	6.1030	15.148	2.1942	7.3292
SDev	.010	.0400	.0167	.0111	.053	.0042	.0301
%RSD	.06380	1.9400	.43954	.18156	.35243	.19314	.41011
#1	16.166	2.0887	3.8163	6.1108	15.186	2.1972	7.3505
#2	16.180	2.0321	3.7927	6.0951	15.110	2.1912	7.3080

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Mo2020	Ni2316
Avge	1.0742	3.3969	3.0914	23.446	3.2572	.42633	1.1572
SDev	.0054	.0014	.0044	.107	.0175	.00246	.0064
%RSD	.49984	.04048	.14362	.45679	.53741	.57643	.55272
#1	1.0780	3.3959	3.0946	23.522	3.2695	.42459	1.1618
#2	1.0704	3.3978	3.0883	23.370	3.2448	.42807	1.1527

Elem	Ag_tr	Na3302	Tl1908	Ti3349	V_2924	Zn2138	Sn1899
Avge	6.0279	3.8160	2.3690	2.1202	1.6818	1.0058	.17543
SDev	.0067	.0036	.0106	.0002	.0020	.0056	.00118
%RSD	.11163	.09335	.44820	.00930	.11787	.56067	.67422
#1	6.0327	3.8135	2.3765	2.1204	1.6832	1.0098	.17626
#2	6.0231	3.8186	2.3615	2.1201	1.6804	1.0018	.17459

Elem	2068_1	2068_2	2203_1	2203_2	1960_1	1960_2	B_2496
Avge	1.2979	.65627	5.1617	2.1421	.30888	.41207	.5931
SDev	.0138	.00145	.0498	.0263	.00152	.00359	.0030
%RSD	1.0655	.22018	.96506	1.2281	.49051	.87102	.4998
#1	1.3076	.65729	5.1969	2.1607	.30781	.41461	.5952
#2	1.2881	.65525	5.1265	2.1235	.30995	.40953	.5910

Elem	Sr4215	Si2881
Avge	7.847	1.306
SDev	.040	.002
%RSD	.5096	.1252
#1	7.875	1.308
#2	7.819	1.305

IntStd de	1 Counts	2 NOTUSED	3 NOTUSED	4 NOTUSED	5 NOTUSED	6 NOTUSED	7 NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4623	--	--	--	--	--	--
SDev	23.10837	--	--	--	--	--	--
%RSD	.4998459	--	--	--	--	--	--
#1	4607	--	--	--	--	--	--
#2	4639	--	--	--	--	--	--

Standardization Report 10/20/00 01:41:34 PM page 1

Method: QTESTNAK Slope = Conc(SIR)/IR

Element	Wavelen	High std	Low std	Slope	Y-intercept	Date Standardized
Pb2203	220.353	NONE	NONE	.000000	.000000	*NOT STANDARDIZED
Se1960	196.026	NONE	NONE	.000000	.000000	*NOT STANDARDIZED
Sb2068	206.838	NONE	NONE	.000000	.000000	*NOT STANDARDIZED
Al3082	308.215	STD1	STDBLK	3.11823	-.296248	10/20/00 01:35:42
As1890	189.042	STD1	STDBLK	.477104	.018698	10/20/00 01:35:42
Ba4934	493.409	STD1	STDBLK	1.05144	-.000216	10/20/00 01:35:42
Be3130	313.042	STD1	STDBLK	.656060	-.001346	10/20/00 01:35:42
Cd_tr	226.502	STD1	STDBLK	.066897	-.001249	10/20/00 01:35:42
Ca3179	317.933	STD1	STDBLK	91.2263	-.149753	10/20/00 01:35:42
Cr_tr	267.716	STD1	STDBLK	.546237	-.002690	10/20/00 01:35:42
Co2286	228.616	STD1	STDBLK	3.73282	.000766	10/20/00 01:35:42
Cu3247	324.753	STD1	STDBLK	1.18117	-.013330	10/20/00 01:35:42
Fe2714	271.441	STD1	STDBLK	16.3057	.010035	10/20/00 01:35:42
Mg2790	279.078	STD1	STDBLK	8.52544	-.006997	10/20/00 01:35:42
Mn2576	257.610	STD1	STDBLK	1.22814	-.000252	10/20/00 01:35:42
Mo2020	202.030	STD1	STDBLK	9.37956	-.003849	10/20/00 01:35:42
Ni2316	231.604	STD1	STDBLK	3.45648	.000000	10/20/00 01:35:42
Ag_tr	328.068	STD1	STDBLK	.332010	.000000	10/20/00 01:35:42
Na3302	330.232	STD1	STDBLK	1.00128	.018132	10/20/00 01:35:42
Tl1908	190.864	STD1	STDBLK	.837686	.029049	10/20/00 01:35:42
Ti3349	334.941	STD1	STDBLK	1.88609	.001935	10/20/00 01:35:42
V_2924	292.402	STD1	STDBLK	2.37996	.000000	10/20/00 01:35:42
Zn2138	213.856	STD1	STDBLK	4.00984	-.004937	10/20/00 01:35:42
Sn1899	189.989	STD1	STDBLK	22.6614	.027902	10/20/00 01:35:42
[illegible]8_1	206.831	STD1	STDBLK	.738320	.008333	10/20/00 01:35:42
[illegible]8_2	206.832	STD1	STDBLK	1.51292	-.004347	10/20/00 01:35:42
2203_1	220.351	STD1	STDBLK	.200247	-.016724	10/20/00 01:35:42
2203_2	220.352	STD1	STDBLK	.463685	-.001332	10/20/00 01:35:42
1960_1	196.021	STD1	STDBLK	3.13205	.034704	10/20/00 01:35:42
1960_2	196.022	STD1	STDBLK	2.41455	-.023287	10/20/00 01:35:42
B_2496	249.678	STD1	STDBLK	6.74404	.000000	10/20/00 01:35:42
Sr4215	421.552	STD1	STDBLK	.509742	.000000	10/20/00 01:35:42
Si2881	288.158	STD1	STDBLK	3.22847	-.217950	10/20/00 01:35:42

Analysis Report 10/20/00 01:48:02 PM page 1

Method: QTESTNAK Sample Name: ICVHP Operator: KT
Run Time: 10/20/00 13:42:11
C ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.96556	.97917	1.0125	9.7554	.99585	1.0086	1.0229
SDev	.00382	.00063	.0003	.0190	.00702	.0037	.0014
%RSD	.39594	.06438	.03210	.19430	.70464	.36702	.13941
#1	.96826	.97962	1.0128	9.7688	.99089	1.0112	1.0239
#2	.96285	.97873	1.0123	9.7420	1.0008	1.0060	1.0219
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.1000	1.1000	1.1000	11.000	1.1000	1.1000	1.1000
Low	.90000	.90000	.90000	9.0000	.90000	.90000	.90000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0019	39.998	1.0193	.98542	.97313	10.094	39.664
SDev	.0064	.093	.0034	.00362	.00362	.023	.113
%RSD	.63391	.23313	.33602	.36756	.37214	.22344	.28378
#1	1.0064	40.064	1.0217	.98798	.97569	10.110	39.744
#2	.99746	39.932	1.0169	.98286	.97057	10.078	39.585
rrors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
gh	1.1000	44.000	1.1000	1.1000	1.1000	11.000	44.000
Low	.90000	36.000	.90000	.90000	.90000	9.0000	36.000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0337	.98597	1.0077	.38872	37.875	4.9757	1.0315
SDev	.0027	.00471	.0047	.00133	.147	.0149	.0001
%RSD	.26139	.47767	.46861	.34173	.38809	.29978	.01313
#1	1.0356	.98264	1.0110	.38966	37.979	4.9863	1.0314
#2	1.0318	.98930	1.0044	.38778	37.771	4.9652	1.0316
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	1.1000	1.1000	1.1000	.44000		5.5000	1.1000
Low	.90000	.90000	.90000	.36000		4.5000	.90000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	1.0145	1.0089	.95808	1.0152	1.0072	.95704	.96983
SDev	.0016	.0013	.00342	.0027	.0063	.01070	.00039
%RSD	.15826	.13300	.35644	.26405	.62999	1.1178	.04029
#1	1.0156	1.0098	.96050	1.0133	1.0117	.96460	.97010
#2	1.0133	1.0079	.95567	1.0171	1.0027	.94947	.96955
rrors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	1.1000	1.1000	1.1000				
Low	.90000	.90000	.90000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.97933	.97910	.9654	1.019	.9006
SDev	.01461	.00635	.0055	.004	.0051
%RSD	1.4916	.64830	.5740	.3669	.5620
#1	.98965	.97461	.9693	1.021	.9041
#2	.96900	.98359	.9615	1.016	L.8970
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	LC Pass
High			1.100		1.100
Low			.9000		.9000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4771	--	--	--	--	--	--
SDev	17.50780	--	--	--	--	--	--
%RSD	.3669398	--	--	--	--	--	--
#1	4759	--	--	--	--	--	--
#2	4784	--	--	--	--	--	--

Method: QTESTNAK Sample Name: ICB Operator: KT
Run Time: 10/20/00 13:52:18
C ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00059	-.00061	.00325	-.01664	.00562	.00022	-.00013
SDev	.00272	.00173	.00326	.00288	.00764	.00000	.00019
%RSD	461.64	285.57	100.44	17.306	136.05	.10792	148.15
#1	.00134	-.00183	.00094	-.01460	H.01102	.00022	.00001
#2	-.00252	.00062	.00555	-.01867	.00021	.00022	-.00027
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.00500	.06000	.20000	.01000	.02000	.00500
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00002	.00070	-.00033	.00077	.00031	.00323	.00179
SDev	.00049	.00008	.00016	.00000	.00001	.00950	.00249
%RSD	2190.2	11.632	48.599	.21261	2.5242	293.87	138.88
#1	.00032	.00076	-.00044	.00077	.00031	.00995	.00003
#2	-.00037	.00065	-.00021	.00076	.00030	-.00349	.00355
rrors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
igh	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00000	.00002	-.00000	.00021	.24093	.00055	-.00001
SDev	.00036	.00000	.00202	.00010	.13326	.00075	.00055
%RSD	30998.	16.611	368790.	47.107	55.311	135.99	6080.2
#1	-.00025	.00002	-.00143	.00014	.14670	.00002	-.00040
#2	.00025	.00002	.00142	.00027	.33516	.00108	.00038
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.01500	.04000	.04000	.01000	5.0000	.01000	.05000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.00098	-.00163	-.00012	.00392	.00189	-.00082	-.00047
SDev	.00000	.00001	.01320	.00401	.00176	.00520	.00149
%RSD	.07148	.48417	10579.	102.20	93.131	631.36	314.03
#1	.00098	-.00163	.00921	.00109	.00065	.00286	.00058
#2	.00098	-.00164	-.00946	.00676	.00314	-.00450	-.00152
rrors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.05000	.02000	.10000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.00404	.00111	.0000	.0000	<.0000
SDev	.00181	.00350	.0000	.0000	.0008
%RSD	44.712	316.85	.0000	.0000	50.27
#1	-.00276	-.00137	.0000	.0000	<.0000
#2	-.00531	.00358	.0000	.0000	<.0000
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			.2000	.0500	.5000
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4851	--	--	--	--	--	--
SDev	2.630589	--	--	--	--	--	--
%RSD	.0542316	--	--	--	--	--	--
#1	4849	--	--	--	--	--	--
#2	4853	--	--	--	--	--	--

Method: QTESTNAK Sample Name: ICSA Operator: KT
Run Time: 10/20/00 13:58:13
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00061	.00289	.00653	505.39	.00718	.00051	-.00030
SDev	.00193	.00485	.00391	.41	.01082	.00034	.00021
%RSD	316.45	167.61	59.832	.08189	150.62	67.264	72.139
#1	.00198	.00632	.00377	505.69	-.00047	.00075	-.00014
#2	-.00076	-.00054	.00929	505.10	.01483	.00027	-.00045
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.01000	.01000	.06000	600.00	.02000	.02000	.01000
Low	-.01000	-.01000	-.06000	400.00	-.02000	-.02000	-.01000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00327	491.46	-.00256	.00242	.00083	196.55	494.15
SDev	.00033	.31	.00106	.00000	.00001	.23	1.51
%RSD	10.064	.06312	41.413	.03464	1.1564	.11461	.30580
#1	-.00304	491.68	-.00181	.00242	.00084	196.71	495.21
#2	-.00350	491.24	-.00331	.00242	.00082	196.39	493.08
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.01000	600.00	.02000	.05000	.02500	240.00	600.00
Low	-.01000	400.00	-.02000	-.05000	-.02500	160.00	400.00

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00363	-.00547	.00079	-.00084	-.04223	-.00119	-.00066
SDev	.00000	.00609	.00112	.00032	.15154	.00708	.00000
%RSD	.03918	111.26	141.42	38.517	358.81	595.06	.20190
#1	-.00363	-.00117	.00158	-.00061	.06492	.00381	-.00066
#2	-.00363	-.00978	.00000	-.00106	-.14939	-.00619	-.00065
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.01500	.04000	.04000	.02000	5.0000	.02000	.05000
Low	-.01500	-.04000	-.04000	-.02000	-5.0000	-.02000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.00084	.00493	-.01073	.00584	.00792	.00242	-.00029
SDev	.00000	.00127	.00731	.00784	.00396	.00326	.00452
%RSD	.06600	25.802	68.171	134.26	49.980	134.98	1552.2
#1	.00084	.00582	-.00556	.00030	.01072	.00011	.00291
#2	.00084	.00403	-.01590	.01138	.00512	.00472	-.00349
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.05000	.02000	.10000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.00457	.00205	.0062	.0152	.0112
SDev	.00810	.00322	.0000	.0000	.0043
%RSD	177.16	156.98	.0421	.0421	38.19
#1	.01030	.00433	.0062	.0152	.0142
#2	-.00116	-.00023	.0062	.0152	.0082
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			.2000	.0500	.5000
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4368	--	--	--	--	--	--
SDev	1.838547	--	--	--	--	--	--
%RSD	.0420957	--	--	--	--	--	--
#1	4366	--	--	--	--	--	--
#2	4369	--	--	--	--	--	--

Method: QTESTNAK Sample Name: ICSAB4.0 Operator: KT
Run Time: 10/20/00 14:06:15
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05234	.05619	.63662	506.37	.10442	.52381	.50698
SDev	.00256	.00184	.00450	.01	.00070	.00126	.00020
%RSD	4.8903	3.2824	.70726	.00140	.67265	.24009	.04010
#1	.05415	.05488	.63343	506.36	.10491	.52470	.50712
#2	.05053	.05749	.63980	506.37	.10392	.52292	.50683
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.06000	.06000	.72000	600.00	.12000	.60000	.60000
Low	.04000	.04000	.48000	400.00	.08000	.40000	.40000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.96865	489.64	.49297	.50352	.56053	195.64	495.03
SDev	.00511	.41	.00117	.00078	.00143	.04	.68
%RSD	.52727	.08274	.23660	.15458	.25514	.02218	.13793
#1	.97226	489.35	.49379	.50407	.56154	195.61	495.51
#2	.96504	489.93	.49214	.50297	.55952	195.67	494.54
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.2000	600.00	.60000	.60000	.60000	240.00	600.00
Low	.80000	400.00	.40000	.40000	.40000	160.00	400.00

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50471	1.0021	.98076	.21368	H13.372	.09599	-.00077
SDev	.00076	.0008	.00589	.00018	.039	.01085	.00000
%RSD	.15125	.08479	.60080	.08585	.29075	11.299	.25577
#1	.50525	1.0015	.98493	.21356	H13.400	.10366	-.00077
#2	.50417	1.0027	.97659	.21381	H13.345	.08832	-.00077
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass
High	.60000	1.2000	1.2000	.24000	12.000	.12000	.10000
Low	.40000	.80000	.80000	.16000	8.0000	.08000	-.10000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.49096	1.0454	.00482	.64000	.62984	.05927	.04888
SDev	.00042	.0017	.01470	.00280	.00792	.00316	.00226
%RSD	.08644	.15804	304.93	.43698	1.2573	5.3377	4.6194
#1	.49066	1.0465	-.00558	.63802	.62424	.06151	.05047
#2	.49126	1.0442	.01522	.64198	.63544	.05703	.04728
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.60000	1.2000	.20000				
Low	.40000	.80000	-.20000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
rge	.05357	.05750	.0093	.0153	.0066
SDev	.00713	.00079	.0000	.0001	.0009
%RSD	13.306	1.3802	.0857	.9938	12.93
#1	.04853	.05806	.0093	.0154	.0072
#2	.05861	.05693	.0093	.0152	.0060
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			.4000	.1000	1.000
Low			-.4000	-.1000	-1.000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4356	--	--	--	--	--	--
SDev	3.733717	--	--	--	--	--	--
%RSD	.0857144	--	--	--	--	--	--
#1	4359	--	--	--	--	--	--
#2	4353	--	--	--	--	--	--

Method: QTESTNAK Sample Name: TEST-CRI Operator: KT
Run Time: 10/20/00 14:16:22
mment:
ode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00667	.00985	.02069	.35551	H.02878	.02014	.00994
SDev	.00136	.00408	.00069	.00072	.00318	.00003	.00002
%RSD	20.363	41.412	3.3212	.20196	11.043	.17368	.19029
#1	.00571	L.00697	.02118	.35602	H.03103	.02011	.00993
#2	H.00763	H.01273	.02021	.35500	H.02653	.02016	.00995
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass
High	.00750	.01250	.02500	.50000	.02500	.02500	.01250
Low	.00450	.00750	.01500	.30000	.01500	.01500	.00750

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00458	9.7881	.00990	.09607	.04844	.19154	9.4972
SDev	.00009	.0095	.00061	.00016	.00011	.00445	.0064
%RSD	1.9454	.09696	6.2169	.17124	.21867	2.3221	.06740
#1	.00451	9.7948	.01033	.09596	.04837	.19469	9.4927
#2	.00464	9.7814	.00946	.09619	.04852	.18840	9.5017
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
igh	.00500	12.500	.01250	.12500	.06250	.25000	12.500
Low	.00300	7.5000	.00750	.07500	.03750	.15000	7.5000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03111	.08116	.07901	.00948	9.4523	.01683	-.00040
SDev	.00005	.00015	.00288	.00008	.0233	.00881	.00000
%RSD	.17323	.17940	3.6505	.84875	.24667	52.323	.97337
#1	.03107	.08106	.08105	.00954	9.4358	.02306	-.00039
#2	.03115	.08127	.07697	.00942	9.4688	L.01060	-.00040
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	NOCHECK
High	.03750	.10000	.10000	.01250		.02500	
Low	.02250	.06000	.06000	.00750		.01500	

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.09758	.04008	L.00456	.02282	.01643	.00449	.00776
SDev	.00086	.00108	.00656	.00093	.00393	.00515	.00461
%RSD	.88237	2.6826	143.78	4.0791	23.907	114.86	59.400
#1	.09697	.04084	L-.00008	.02216	.01921	.00813	.00450
#2	.09819	.03932	L.00920	.02348	.01365	.00084	.01102
Errors	LC Pass	LC Pass	LC Low	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.12500	.05000	.25000				
Low	.07500	.03000	.15000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.01594	.00681	L.0028	L.0002	L.0487
SDev	.00088	.00568	.0000	.0000	.0033
%RSD	5.5184	83.381	.1718	.1718	6.737
#1	.01532	.00279	L.0028	L.0002	L.0464
#2	.01656	.01082	L.0028	L.0002	L.0510
Errors	NOCHECK	NOCHECK	LC Low	LC Low	LC Low
High			.5000	.1250	1.250
Low			.3000	.0750	.7500

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4856	--	--	--	--	--	--
SDev	8.344068	--	--	--	--	--	--
%RSD	.1718435	--	--	--	--	--	--
#1	4862	--	--	--	--	--	--
#2	4850	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DM8VW Operator: KT
Run Time: 10/20/00 14:23:11
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.07592	.00488	.00214	224.78	.06651	3.7205	.00670
SDev	.00080	.00043	.00589	.16	.01387	.0111	.00003
%RSD	1.0556	8.8159	274.96	.07262	20.846	.29876	.47558
#1	.07535	.00519	.00631	224.66	.07632	3.7127	.00673
#2	.07648	.00458	-.00202	224.89	.05671	3.7284	.00668
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.00697	123.65	.33781	.13720	.29527	292.91	95.194
SDev	.00071	.59	.00143	.00039	.00066	.84	.491
%RSD	10.134	.47465	.42403	.28562	.22348	.28806	.51556
#1	L-.00747	123.24	.33680	.13693	.29573	292.31	94.847
#2	L-.00647	124.07	.33882	.13748	.29480	293.51	95.541
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.7018	.00363	.27260	-.00250	36.301	L-.01490	16.454
SDev	.0410	.00268	.00096	.00040	.102	.00464	.048
%RSD	.71844	73.866	.35218	16.006	.28095	31.114	.29060
#1	5.6728	.00552	.27328	-.00221	36.373	L-.01162	16.420
#2	5.7308	.00173	.27193	-.00278	36.229	L-.01818	16.488
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.56018	.64096	.02144	.00209	.00226	.09745	.06517
SDev	.00294	.00474	.01381	.00649	.00469	.00703	.00471
%RSD	.52398	.73897	64.424	311.12	207.99	7.2165	7.2313
#1	.55811	.63761	.03120	.00667	.00557	.10242	.06183
#2	.56226	.64431	.01167	-.00250	-.00106	.09248	.06850
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
ge	-.01654	.01558	.0824	1.274	1.160
SDev	.01311	.00590	.0018	.005	.002
%RSD	79.251	37.859	2.129	.3994	.1652
#1	-.00727	.01141	.0811	1.271	1.161
#2	-.02581	.01975	.0836	1.278	1.158
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4666	--	--	--	--	--	--
SDev	16.43298	--	--	--	--	--	--
%RSD	.3521811	--	--	--	--	--	--
#1	4654	--	--	--	--	--	--
#2	4678	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DM8V1 Operator: KT
Run Time: 10/20/00 14:29:06
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04259	.00302	.00304	108.92	.03295	.85698	.00338
SDev	.00059	.00194	.00255	.21	.00688	.00263	.00003
%RSD	1.3952	64.283	84.069	.18822	20.872	.30666	.90011
#1	.04301	.00439	.00123	109.06	.02809	.85512	.00340
#2	.04217	.00165	.00484	108.77	.03782	.85884	.00336
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00472	24.151	.18227	.09782	.18096	159.80	38.170
SDev	.00024	.043	.00131	.00032	.00044	.05	.122
%RSD	4.9990	.17727	.71680	.32286	.24028	.03378	.31901
#1	-.00456	24.121	.18134	.09759	.18126	159.76	38.084
#2	-.00489	24.181	.18319	.09804	.18065	159.84	38.256
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.8593	.00835	.10450	-.00164	8.4774	L-.01170	13.457
SDev	.0204	.00003	.00142	.00050	.1072	.00707	.005
%RSD	.52990	.35009	1.3603	30.357	1.2643	60.410	.03493
#1	3.8448	.00833	.10349	-.00200	8.5532	-.00670	13.454
#2	3.8738	.00837	.10550	-.00129	8.4016	L-.01669	13.461
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.33528	.34455	.00833	.00300	.00312	.05342	.03718
SDev	.00070	.00250	.00006	.00343	.00081	.00192	.00007
%RSD	.20961	.72664	.69194	114.28	25.928	3.6021	.18792
#1	.33478	.34278	.00829	.00058	.00255	.05478	.03713
#2	.33577	.34632	.00837	.00542	.00369	.05206	.03723
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
·ge	-.02422	.01661	.0368	.3805	1.453
ɔDev	.00058	.00262	.0002	.0012	.005
%RSD	2.3813	15.763	.6039	.3110	.3646
#1	-.02381	.01847	.0370	.3796	1.457
#2	-.02463	.01476	.0367	.3813	1.449
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4763	--	--	--	--	--	--
SDev	28.76488	--	--	--	--	--	--
%RSD	.6039414	--	--	--	--	--	--
#1	4743	--	--	--	--	--	--
#2	4783	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DM8WA Operator: KT
Run Time: 10/20/00 14:35:00
C ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05136	-.00028	.00451	154.57	.04408	1.0987	.00461
SDev	.00160	.00102	.00205	.09	.00036	.0006	.00002
%RSD	3.1210	361.15	45.497	.05592	.80680	.05241	.48394
#1	.05023	.00044	.00596	154.64	.04433	1.0983	.00462
#2	.05250	-.00101	.00306	154.51	.04383	1.0991	.00459
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.00601	60.785	.23840	.09503	.19588	212.59	63.019
SDev	.00032	.037	.00054	.00049	.00040	.04	.069
%RSD	5.3278	.06103	.22801	.51343	.20225	.02075	.10987
#1	L-.00579	60.812	.23802	.09537	.19616	212.62	62.970
#2	L-.00624	60.759	.23879	.09468	.19560	212.56	63.068
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.0995	.00211	.16723	-.00224	20.815	-.00553	13.939
SDev	.0116	.00005	.00061	.00020	.209	.00735	.008
%RSD	.22779	2.4920	.36726	8.9323	1.0017	132.80	.05615
#1	5.0913	.00207	.16767	-.00238	20.963	-.00034	13.933
#2	5.1077	.00214	.16680	-.00209	20.668	L-.01073	13.944
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.41511	.44085	.00157	.00347	.00658	.06275	.04568
SDev	.00090	.00061	.00668	.00348	.00081	.00061	.00271
%RSD	.21624	.13766	425.55	100.18	12.364	.98069	5.9341
#1	.41575	.44043	-.00315	.00593	.00600	.06319	.04376
#2	.41448	.44128	.00629	.00101	.00715	.06232	.04760
rrors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
ge	-.01375	.00644	.0711	.8023	.8334
sDev	.00074	.00116	.0056	.0006	.0010
%RSD	5.3556	18.071	7.953	.0786	.1235
#1	-.01323	.00726	.0671	.8018	.8341
#2	-.01427	.00562	.0751	.8027	.8327
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4837	--	--	--	--	--	--
SDev	17.76261	--	--	--	--	--	--
%RSD	.3672600	--	--	--	--	--	--
#1	4824	--	--	--	--	--	--
#2	4849	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DM8WF Operator: KT
Run Time: 10/20/00 14:41:28
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.08947	.00461	.00460	267.68	.08512	1.8977	.00812
SDev	.00192	.00198	.00644	1.62	.00697	.0199	.00017
%RSD	2.1476	42.841	140.04	.60534	8.1905	1.0468	2.1324
#1	.08811	.00601	.00005	266.53	.08019	1.8837	.00799
#2	.09083	.00322	.00915	268.83	.09005	1.9118	.00824
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.00793	53.375	.44911	.16157	.36248	364.33	107.56
SDev	.00015	.451	.00439	.00154	.00126	2.62	1.14
%RSD	1.8887	.84581	.97722	.95125	.34717	.71849	1.0575
#1	L-.00783	53.056	.44601	.16049	.36159	362.48	106.75
#2	L-.00804	53.695	.45221	.16266	.36337	366.18	108.36
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	7.4519	-.00019	.31534	-.00323	33.345	L-.01569	19.111
SDev	.0925	.00244	.00458	.00049	.030	.00804	.133
%RSD	1.2417	1303.1	1.4526	15.253	.09058	51.259	.69468
#1	7.3865	.00154	.31210	-.00288	33.324	L-.01000	19.017
#2	7.5174	-.00191	.31858	-.00358	33.367	L-.02137	19.204
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.70996	.75600	.01778	.00277	.00826	.11502	.07671
SDev	.00565	.00654	.00015	.01017	.00104	.00066	.00255
%RSD	.79533	.86540	.84014	367.14	12.570	.57235	3.3269
#1	.70597	.75137	.01788	-.00442	.00899	.11456	.07490
#2	.71395	.76062	.01767	.00996	.00752	.11549	.07851
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.01527	.01454	.1612	.8626	1.342
SDev	.00101	.00347	.0022	.0096	.004
%RSD	6.6126	23.842	1.388	1.110	.3111
#1	-.01599	.01699	.1628	.8558	1.339
#2	-.01456	.01209	.1596	.8694	1.345
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4812	--	--	--	--	--	--
SDev	7.608303	--	--	--	--	--	--
%RSD	.1581156	--	--	--	--	--	--
#1	4806	--	--	--	--	--	--
#2	4817	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DM8WQ Operator: KT
Run Time: 10/20/00 14:47:23
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05230	.00176	.00632	175.26	.05059	1.4259	.00530
SDev	.00212	.00704	.00135	.09	.00228	.0089	.00004
%RSD	4.0591	399.22	21.348	.05229	4.5151	.62096	.67141
#1	.05080	-.00321	.00537	175.19	.05220	1.4197	.00533
#2	.05381	.00674	.00727	175.32	.04897	1.4322	.00528
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.00571	115.24	.28067	.09405	.21093	239.23	81.844
SDev	.00029	.15	.00150	.00154	.00109	.16	.475
%RSD	5.1288	.13205	.53296	1.6404	.51792	.06589	.58063
#1	L-.00550	115.13	.27961	.09295	.21171	239.12	81.508
#2	L-.00591	115.34	.28173	.09514	.21016	239.34	82.180
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.8747	.00038	.18454	-.00221	32.141	L-.01701	15.175
SDev	.0238	.00553	.00198	.00029	.175	.00674	.016
%RSD	.61486	1467.8	1.0736	13.197	.54579	39.647	.10866
#1	3.8579	.00428	.18594	-.00201	32.265	L-.02178	15.163
#2	3.8916	-.00353	.18314	-.00242	32.017	L-.01224	15.187
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.47640	.51781	.00948	.00750	.00395	.07142	.04276
SDev	.00040	.00076	.02044	.00504	.00605	.00474	.00082
%RSD	.08427	.14594	215.68	67.222	153.26	6.6375	1.9089
#1	.47668	.51727	.02393	.00394	.00823	.06807	.04218
#2	.47611	.51834	-.00498	.01107	-.00033	.07478	.04334
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
ge	-.01991	.01258	.0717	1.534	1.083
SDev	.00123	.00994	.0037	.008	.001
%RSD	6.1673	78.998	5.147	.5094	.1047
#1	-.02077	.00555	.0691	1.528	1.082
#2	-.01904	.01961	.0743	1.539	1.083
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4701	--	--	--	--	--	--
SDev	23.98501	--	--	--	--	--	--
%RSD	.5101674	--	--	--	--	--	--
#1	4684	--	--	--	--	--	--
#2	4718	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DM8WV Operator: KT
Run Time: 10/20/00 14:53:17
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.08849	.00236	.00627	287.23	.08926	2.0474	.00840
SDev	.00296	.00318	.00840	.27	.00064	.0157	.00004
%RSD	3.3502	134.79	133.97	.09346	.71192	.76505	.45669
#1	.08639	.00461	.00033	287.04	.08881	2.0364	.00843
#2	.09058	.00011	.01222	287.42	.08971	2.0585	.00838
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.00733	65.381	.42744	.15828	.38567	380.00	111.85
SDev	.00089	.121	.00171	.00149	.00208	.08	.88
%RSD	12.169	.18462	.39997	.94380	.53959	.02080	.79000
#1	L-.00796	65.295	.42623	.15722	.38715	379.95	111.22
#2	L-.00670	65.466	.42865	.15933	.38420	380.06	112.47
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	7.0747	-.00320	.33375	-.00304	32.752	-.00912	18.064
SDev	.0523	.00267	.00295	.00059	.094	.01319	.007
%RSD	.73933	83.267	.88300	19.523	.28570	144.68	.04115
#1	7.0378	-.00132	.33167	-.00262	32.819	.00021	18.058
#2	7.1117	-.00509	.33584	-.00346	32.686	L-.01845	18.069
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.76712	.79886	-.00161	.00745	.00391	.11111	.07719
SDev	.00215	.00530	.00003	.01559	.00599	.00293	.00591
%RSD	.27958	.66411	1.6078	209.21	153.24	2.6400	7.6547
#1	.76561	.79510	-.00163	-.00357	.00815	.11318	.07302
#2	.76864	.80261	-.00159	.01848	-.00033	.10903	.08137
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
ge	-.01453	.01079	.1828	.7395	1.164
SDev	.00639	.00159	.0034	.0061	.008
%RSD	43.958	14.685	1.852	.8191	.6555
#1	-.01001	.01191	.1804	.7352	1.158
#2	-.01904	.00967	.1852	.7438	1.169
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4722	--	--	--	--	--	--
SDev	16.88563	--	--	--	--	--	--
%RSD	.3575630	--	--	--	--	--	--
#1	4710	--	--	--	--	--	--
#2	4734	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DM8W0 Operator: KT
Run Time: 10/20/00 14:59:45
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.08074	-.00186	.00603	234.92	.06533	3.0188	.00719
SDev	.00053	.00143	.00214	.02	.00577	.0198	.00003
%RSD	.65346	76.769	35.401	.00886	8.8353	.65423	.45585
#1	.08037	-.00085	.00754	234.93	.06941	3.0049	.00721
#2	.08111	-.00287	.00452	234.90	.06125	3.0328	.00717
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00093	684.21	.30788	.12048	.40298	282.38	158.39
SDev	.00057	1.28	.00145	.00062	.00186	.07	1.02
%RSD	61.365	.18733	.47264	.51273	.46224	.02484	.64709
#1	-.00133	683.31	.30685	.12092	.40430	282.33	157.66
#2	-.00053	685.12	.30891	.12004	.40167	282.43	159.11
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.1367	-.00703	.26492	-.00245	35.536	L-.02035	17.145
SDev	.0381	.00885	.00318	.00031	.156	.00435	.011
%RSD	.74174	125.90	1.1991	12.806	.44004	21.391	.06240
#1	5.1097	-.00077	.26716	-.00223	35.646	L-.02343	17.137
#2	5.1636	-.01328	.26267	-.00267	35.425	L-.01727	17.152
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.48654	.70238	-.00368	.00579	.00652	.10524	.06850
SDev	.00037	.00748	.02162	.00168	.00304	.00541	.00349
%RSD	.07517	1.0646	587.01	29.092	46.608	5.1363	5.0942
#1	.48680	.69709	.01161	.00698	.00867	.10907	.06604
#2	.48629	.70766	-.01897	.00460	.00437	.10142	.07097
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.01760	.00600	.0897	H6.698	3.327
SDev	.00979	.00275	.0018	.035	.031
%RSD	55.626	45.805	2.030	.5158	.9389
#1	-.01068	.00406	.0884	H6.674	3.305
#2	-.02452	.00794	.0910	H6.723	3.349
Errors	NOCHECK	NOCHECK	LC Pass	LC High	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4436	--	--	--	--	--	--
SDev	16.29177	--	--	--	--	--	--
%RSD	.3672460	--	--	--	--	--	--
#1	4425	--	--	--	--	--	--
#2	4448	--	--	--	--	--	--

Method: QTESTNAK Sample Name: CCVT Operator: KT
Run Time: 10/20/00 15:05:40
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.48592	.49194	.49493	23.917	.49571	1.9887	2.0313
SDev	.00346	.00130	.00148	.086	.01097	.0034	.0009
%RSD	.71114	.26450	.29984	.35768	2.2124	.16993	.04203
#1	.48836	.49286	.49388	23.977	.50347	1.9911	2.0319
#2	.48348	.49102	.49598	23.856	.48796	1.9863	2.0307
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	.55000	.55000	27.500	.55000	2.2000	2.2000
Low	.45000	.45000	.45000	22.500	.45000	1.8000	1.8000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50007	100.77	2.0233	1.9844	1.9266	25.235	98.954
SDev	.00016	.06	.0049	.0052	.0064	.009	.081
%RSD	.03241	.06065	.24276	.26181	.32983	.03550	.08232
#1	.50018	100.81	2.0268	1.9881	1.9311	25.241	99.011
#2	.49995	100.72	2.0198	1.9808	1.9221	25.229	98.896
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	110.00	2.2000	2.2000	2.2000	27.500	110.00
Low	.45000	90.000	1.8000	1.8000	1.8000	22.500	90.000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0204	1.9674	1.9999	.98207	48.321	.95046	2.0175
SDev	.0014	.0230	.0058	.00134	.270	.00656	.0013
%RSD	.07042	1.1692	.29111	.13665	.55870	.69056	.06332
#1	2.0214	1.9512	2.0040	.98302	48.512	.95510	2.0184
#2	2.0194	1.9837	1.9958	.98112	48.130	.94582	2.0166
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	2.2000	2.2000	2.2000	1.1000		1.1000	2.2000
Low	1.8000	1.8000	1.8000	.90000		.90000	1.8000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	2.0085	2.0160	1.9366	.49580	.49320	.48437	.48669
SDev	.0003	.0020	.0004	.00708	.00973	.00198	.00617
%RSD	.01392	.09699	.02088	1.4288	1.9735	.40818	1.2673
#1	2.0087	2.0174	1.9363	.49079	.50008	.48298	.49105
#2	2.0083	2.0146	1.9369	.50081	.48632	.48577	.48233
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	2.2000	2.2000	2.2000				
Low	1.8000	1.8000	1.8000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.48235	.49673	1.955	2.010	1.965
SDev	.01046	.00717	.004	.003	.001
%RSD	2.1694	1.4444	.2287	.1354	.0755
#1	.47495	.50180	1.952	2.012	1.966
#2	.48974	.49165	1.959	2.008	1.964
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			2.200	2.200	2.200
Low			1.800	1.800	1.800

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4698	--	--	--	--	--	--
SDev	.9898804	--	--	--	--	--	--
%RSD	.0210723	--	--	--	--	--	--
#1	4698	--	--	--	--	--	--
#2	4697	--	--	--	--	--	--

Analysis Report QC Standard 10/20/00 03:19:35 PM page 1

Method: QTESTNAK Sample Name: CCBT Operator: KT
Run Time: 10/20/00 15:13:44
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00080	.00104	.00335	-.02553	.00489	.00022	-.00013
SDev	.00123	.00499	.00234	.00479	.00080	.00000	.00019
%RSD	153.53	480.84	69.788	18.751	16.394	.50133	149.28
#1	.00167	.00457	.00170	-.02891	.00546	.00022	-.00026
#2	-.00007	-.00249	.00501	-.02214	.00432	.00022	.00001
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.00500	.06000	.20000	.01000	.02000	.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00034	.00113	.00013	.00077	.00010	.01331	.00005
SDev	.00015	.00038	.00081	.00000	.00038	.01429	.00002
%RSD	42.839	33.854	599.73	.01162	374.68	107.42	40.399
#1	.00044	.00140	.00070	.00077	.00037	.00320	.00007
#2	.00024	.00086	-.00044	.00077	-.00017	.02342	.00004
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00025	.00003	-.00071	-.00021	.26097	-.00022	.00038
SDev	.00000	.00001	.00101	.00010	.02590	.00213	.00000
%RSD	.00000	27.575	141.42	46.893	9.9246	968.49	1.0964
#1	-.00025	.00004	.00000	-.00014	.27928	.00128	.00037
#2	-.00025	.00002	-.00143	-.00027	.24265	-.00172	.00038
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.01500	.04000	.04000	.01000	5.0000	.01000	.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.00098	-.00079	.00447	.00454	.00097	.00258	-.00009
SDev	.00000	.00116	.00668	.00329	.00043	.00286	.00041
%RSD	.29572	146.86	149.56	72.485	44.456	110.97	460.99
#1	.00099	-.00162	-.00026	.00221	.00066	.00460	.00020
#2	.00098	.00003	.00920	.00687	.00127	.00055	-.00038
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.00000	.00000	.00000				
Range	.05000	.02000	.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.00026	.00169	.0014	.0001	<.0000
SDev	.00357	.00570	.0020	.0001	.0024
%RSD	1387.8	338.31	141.4	141.4	80.20
#1	.00227	.00572	.0028	.0000	<.0000
#2	-.00279	-.00235	.0000	.0002	<.0000
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value			.0000	.0000	.0000
Range			.2000	.0500	.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4837	--	--	--	--	--	--
SDev	12.21865	--	--	--	--	--	--
%RSD	.2526039	--	--	--	--	--	--
#1	4828	--	--	--	--	--	--
#2	4846	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DNGFAB-0293471 Operator: KT
Run Time: 10/20/00 15:36:19
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00324	.00321	.00545	-.00779	.00297	.00023	.00004
SDev	.00199	.00245	.00026	.00364	.00266	.00000	.00001
%RSD	61.537	76.378	4.8374	46.784	89.627	1.2009	22.026
#1	.00183	.00494	.00564	-.00521	.00109	.00023	.00004
#2	.00465	.00148	.00527	-.01037	.00485	.00023	.00003
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.00500	.06000	.20000	.01000	.02000	.00500
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00032	.04294	.00181	.00077	.00114	.01684	.00560
SDev	.00015	.00119	.00052	.00000	.00009	.00004	.00247
%RSD	47.411	2.7726	28.560	.17199	7.8396	.24707	44.059
#1	.00042	.04378	.00218	.00077	.00120	.01687	.00386
#2	.00021	.04209	.00144	.00077	.00108	.01681	.00735
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00027	.00011	.00000	-.00000	.60231	L-.01467	-.00006
SDev	.00000	.00002	.00000	.00000	.02398	.00402	.00058
%RSD	1.2009	21.333	.00000	4.4965	3.9819	27.427	978.19
#1	.00027	.00013	.00000	-.00000	.58535	L-.01751	-.00047
#2	.00026	.00010	.00000	-.00000	.61927	L-.01182	.00035
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	.01500	.04000	.04000	.01000	5.0000	.01000	.05000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.00101	.00184	.00871	.00620	.00396	.00928	.00023
SDev	.00001	.00004	.01366	.00098	.00276	.00158	.00220
%RSD	.66516	2.3287	156.72	15.880	69.711	16.963	975.91
#1	.00101	.00187	-.00094	.00550	.00592	.00817	-.00133
#2	.00100	.00181	.01837	.00689	.00201	.01040	.00179
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.05000	.02000	.10000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
rge	-.01425	.01192	.0000	.0002	.0269
SDev	.00030	.00382	.0000	.0000	.0063
%RSD	2.1216	32.069	.0000	.6177	23.57
#1	-.01447	.01463	.0000	.0002	.0314
#2	-.01404	.00922	.0000	.0002	.0224
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			.2000	.0500	.5000
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4734	--	--	--	--	--	--
SDev	29.24584	--	--	--	--	--	--
%RSD	.6177202	--	--	--	--	--	--
#1	4714	--	--	--	--	--	--
#2	4755	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DNGFAC Operator: KT
Run Time: 10/20/00 15:42:14
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.45727	1.7960	.48844	1.7481	1.9342	2.0598	.05031
SDev	.00239	.0051	.01080	.0227	.0020	.0115	.00017
%RSD	.52364	.28206	2.2110	1.3003	.10355	.55900	.33991
#1	.45558	1.7924	.48081	1.7642	1.9328	2.0516	.05043
#2	.45896	1.7996	.49608	1.7321	1.9356	2.0679	.05019
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.60000	2.4000	.60000	2.4000	2.4000	2.4000	.06000
Low	.40000	1.4000	.35000	1.6000	1.5000	1.6000	.04000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05332	L.06239	.21017	.50654	.24885	1.0166	L.01419
SDev	.00032	.02662	.00143	.00281	.00051	.0304	.00233
%RSD	.59177	42.674	.68198	.55540	.20395	2.9923	16.427
#1	.05310	L.04356	.20916	.50455	.24921	.99506	L.01584
#2	.05355	L.08122	.21119	.50853	.24849	1.0381	L.01254
Errors	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	.06000	60.000	.24000	.60000	.30000	1.2500	60.000
Low	.04000	40.000	.16000	.40000	.20000	.80000	40.000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.52587	.99134	.50797	.04720	.75927	1.7435	L.00029
SDev	.00306	.01079	.00248	.00055	.04768	.0275	.00001
%RSD	.58145	1.0882	.48749	1.1741	6.2804	1.5769	1.6878
#1	.52371	.98372	.50622	.04759	.72555	1.7241	L.00029
#2	.52804	.99897	.50972	.04681	.79299	1.7630	L.00030
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Low
High	.60000	1.2000	.60000	.06000		2.4000	1.2000
Low	.40000	.80000	.40000	.04000		1.6000	.80000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.51204	.50398	.00384	.48665	.49203	.46089	.45546
SDev	.00189	.00430	.00686	.01334	.00571	.00573	.00073
%RSD	.36963	.85360	178.58	2.7410	1.1612	1.2422	.16060
#1	.51070	.50094	-.00101	.47722	.48799	.45684	.45494
#2	.51338	.50702	.00870	.49608	.49607	.46494	.45598
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.60000	.60000					
Low	.40000	.40000					

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
ge	1.7633	1.8123	L.0100	L.0002	.1492
SDev	.0084	.0034	.0020	.0000	.0022
%RSD	.47643	.18764	19.88	.3276	1.454
#1	1.7574	1.8099	L.0086	L.0002	.1507
#2	1.7693	1.8147	L.0114	L.0002	.1477
Errors	NOCHECK	NOCHECK	LC Low	LC Low	NOCHECK
High			1.200	1.200	
Low			.8000	.8000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4722	--	--	--	--	--	--
SDev	15.47141	--	--	--	--	--	--
%RSD	.3276273	--	--	--	--	--	--
#1	4711	--	--	--	--	--	--
#2	4733	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DNE6X Operator: KT
Run Time: 10/20/00 15:50:17
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00444	.03050	.00727	-.02150	.01238	.00065	.00001
SDev	.00137	.00047	.00320	.00638	.00309	.00000	.00001
%RSD	30.852	1.5249	44.011	29.677	24.975	.44413	45.237
#1	.00347	.03017	.00954	-.01699	.01019	.00066	.00001
#2	.00541	.03083	.00501	-.02601	.01457	.00065	.00001
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00150	.15211	.00104	-.00001	.00646	.02690	.02111
SDev	.00001	.00101	.00047	.00109	.00041	.00481	.00484
%RSD	.58565	.66303	45.045	15822.	6.3570	17.878	22.940
#1	.00149	.15282	.00071	.00076	.00675	.02350	.01769
#2	.00150	.15140	.00137	-.00078	.00617	.03030	.02454
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00076	-.00578	-.00000	.00055	.25138	L-.01409	.00115
SDev	.00000	.00274	.00202	.00019	.04053	.00039	.00000
%RSD	.44413	47.327	59880.	35.076	16.122	2.7676	.21678
#1	.00077	-.00385	-.00143	.00041	.22272	L-.01437	.00115
#2	.00076	-.00772	.00143	.00069	.28003	L-.01382	.00116
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	-.00000	.00501	.07007	.01013	.00155	.00758	.00287
SDev	.00000	.00004	.00649	.00235	.00491	.00361	.00025
%RSD	33.317	.82163	9.2578	23.179	316.35	47.587	8.7971
#1	-.00000	.00504	.06548	.01179	.00502	.00503	.00269
#2	-.00001	.00498	.07466	.00847	-.00192	.01013	.00305
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
·ge	.04120	.02515	.0000	.0004	.0384
sDev	.01101	.00620	.0000	.0000	.0027
%RSD	26.732	24.631	.0000	.3340	7.140
#1	.04899	.02077	.0000	.0004	.0404
#2	.03341	.02953	.0000	.0004	.0365
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4835	--	--	--	--	--	--
SDev	16.15021	--	--	--	--	--	--
%RSD	.3340008	--	--	--	--	--	--
#1	4824	--	--	--	--	--	--
#2	4847	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DNCE3 Operator: KT
Run Time: 10/20/00 15:56:11
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05299	.00533	.00609	219.24	.03367	2.5657	.00618
SDev	.00126	.00286	.00013	.08	.00299	.0046	.00020
%RSD	2.3716	53.679	2.0576	.03744	8.8795	.18100	3.3043
#1	.05388	.00331	.00600	219.18	.03579	2.5624	.00632
#2	.05210	.00735	.00618	219.30	.03156	2.5689	.00603
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00312	73.628	.34450	.10354	.21092	260.22	62.457
SDev	.00018	.081	.00042	.00096	.00025	.21	.121
%RSD	5.7659	.10944	.12185	.92989	.11663	.07948	.19323
#1	-.00299	73.571	.34421	.10286	.21109	260.37	62.372
#2	-.00325	73.685	.34480	.10422	.21075	260.08	62.542
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.5562	-.00120	.17419	-.00245	4.1655	L-.01474	13.984
SDev	.0132	.00001	.00019	.00010	.0743	.00254	.002
%RSD	.37093	.44630	.11106	3.9949	1.7843	17.260	.01492
#1	3.5469	-.00120	.17432	-.00238	4.2181	L-.01654	13.986
#2	3.5655	-.00120	.17405	-.00252	4.1129	L-.01294	13.983
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.47389	.72062	.00390	.00576	.00675	.06584	.04657
SDev	.00087	.00514	.00002	.00065	.00092	.00072	.00153
%RSD	.18441	.71334	.39448	11.224	13.623	1.0887	3.2771
#1	.47328	.71698	.00389	.00531	.00740	.06634	.04765
#2	.47451	.72425	.00391	.00622	.00610	.06533	.04549
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
ge	-.00784	.01190	.0354	.5766	2.761
SDev	.00284	.00287	.0020	.0016	.000
%RSD	36.202	24.117	5.546	.2827	.0157
#1	-.00985	.00987	.0340	.5754	2.762
#2	-.00583	.01393	.0368	.5777	2.761
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4762	--	--	--	--	--	--
SDev	5.289145	--	--	--	--	--	--
%RSD	.1110600	--	--	--	--	--	--
#1	4759	--	--	--	--	--	--
#2	4766	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DNCE3P Operator: KT
Run Time: 10/20/00 16:02:06
Comment:
Mode: CONC Corr. Factor: 5

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L.05076	L.02492	L.02421	213.08	L.05813	2.5859	.00593
SDev	.00363	.01490	.01217	.28	.02099	.0066	.00100
%RSD	7.1416	59.766	50.252	.13194	36.111	.25546	16.872
#1	L.05332	L.03545	L.01561	213.27	L.07297	2.5905	.00664
#2	L.04819	L.01439	L.03282	212.88	L.04329	2.5812	.00522
Errors	LC Low	LC Low	LC Low	LC Pass	LC Low	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	5.5000
Low	.07500	.17000	.10000	.63000	.24500	.01000	.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.00397	75.708	.35096	.10077	.20907	267.62	63.705
SDev	.00152	.074	.00013	.00034	.00068	.19	.163
%RSD	38.392	.09742	.03822	.33854	.32472	.07114	.25622
#1	L-.00289	75.656	.35106	.10102	.20955	267.76	63.821
#2	L-.00504	75.760	.35087	.10053	.20859	267.49	63.590
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	550.00	55.000	110.00	55.000	1100.0	1100.0
Low	.01500	.38500	.02000	.03500	.04000	.66500	.19000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.6606	L.00782	.17297	L-.00307	5.1858	L-.00117	14.383
SDev	.0094	.02768	.00044	.00099	.1793	.00081	.002
%RSD	.25546	353.99	.25536	32.232	3.4575	69.703	.01546
#1	3.6673	L.02739	.17328	L-.00376	5.3126	L-.00059	14.382
#2	3.6540	L-.01175	.17266	L-.00237	5.0590	L-.00174	14.385
Errors	LC Pass	LC Low	LC Pass	LC Low	NOCHECK	LC Low	LC Pass
High	27.500	27.500	110.00	2.2000		22.000	55.000
Low	.01000	.10500	.05500	.03000		.23500	.01500

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.48183	.82894	L.03030	.03451	.00359	.06939	.04145
SDev	.00129	.00225	.00025	.01838	.00028	.00718	.00902
%RSD	.26791	.27084	.82449	53.273	7.8659	10.342	21.753
#1	.48274	.83053	L.03012	.02151	.00379	.06431	.04783
#2	.48091	.82735	L.03047	.04751	.00339	.07446	.03508
Errors	LC Pass	LC Pass	LC Low	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	.02000	.03500	.46000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
ge	.00644	.03415	L.0281	.5814	2.825
SDev	.00880	.01794	.0001	.0015	.015
%RSD	136.60	52.529	.2554	.2554	.5224
#1	.01267	.04683	L.0282	.5824	2.835
#2	.00022	.02146	L.0281	.5803	2.814
Errors	NOCHECK	NOCHECK	LC Low	LC Pass	LC Pass
High			55.00	5.500	55.00
Low			.0550	.0050	.2400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4796	--	--	--	--	--	--
SDev	12.24731	--	--	--	--	--	--
%RSD	.2553662	--	--	--	--	--	--
#1	4787	--	--	--	--	--	--
#2	4805	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DNCE3S Operator: KT
Run Time: 10/20/00 16:10:08
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.64442	1.6444	.22508	234.41	1.7607	3.6576	.05366
SDev	.00294	.0071	.00804	.25	.0082	.0100	.00016
%RSD	.45587	.43206	3.5710	.10802	.46594	.27407	.29006
#1	.64650	1.6494	.21940	234.59	1.7665	3.6647	.05377
#2	.64235	1.6393	.23077	234.23	1.7549	3.6505	.05355
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04581	106.68	.60136	.58248	.48265	272.82	71.344
SDev	.00003	.20	.00143	.00282	.00129	.27	.092
%RSD	.07556	.19134	.23801	.48451	.26718	.09951	.12873
#1	.04583	106.54	.60034	.58448	.48356	272.62	71.409
#2	.04578	106.83	.60237	.58049	.48173	273.01	71.279
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.0969	.90943	.64468	.04125	4.8658	1.7861	15.437
SDev	.0050	.00559	.00513	.00026	.0317	.0001	.007
%RSD	.12175	.61493	.79647	.64139	.65174	.00417	.04853
#1	4.0934	.91338	.64831	.04144	4.8882	1.7862	15.431
#2	4.1005	.90547	.64105	.04106	4.8434	1.7861	15.442
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.99091	1.3430	.00754	.22448	.22629	.66333	.63499
SDev	.00076	.0004	.00687	.01122	.00166	.00364	.00622
%RSD	.07673	.02803	91.183	4.9994	.73282	.54901	.97995
#1	.99037	1.3433	.00268	.21654	.22512	.66075	.63939
#2	.99144	1.3427	.01240	.23241	.22747	.66590	.63059
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
ge	1.6198	1.6566	.0476	.6396	3.273
SDev	.0034	.0089	.0023	.0011	.002
%RSD	.21117	.53989	4.919	.1770	.0684
#1	1.6223	1.6629	.0492	.6404	3.271
#2	1.6174	1.6503	.0459	.6388	3.274
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4681	--	--	--	--	--	--
SDev	29.69848	--	--	--	--	--	--
%RSD	.6344800	--	--	--	--	--	--
#1	4660	--	--	--	--	--	--
#2	4702	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DNCE3D Operator: KT
Run Time: 10/20/00 16:22:19
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50903	1.6724	.21537	220.50	1.7905	3.7795	.05392
SDev	.00005	.0156	.00427	.20	.0033	.0005	.00008
%RSD	.00996	.93001	1.9821	.09146	.18261	.01332	.14606
#1	.50907	1.6834	.21235	220.65	1.7928	3.7799	.05398
#2	.50900	1.6614	.21839	220.36	1.7882	3.7791	.05387
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04666	135.66	.51986	.58870	.46050	252.79	61.892
SDev	.00088	.19	.00228	.00149	.00113	.35	.018
%RSD	1.8779	.14327	.43791	.25379	.24441	.13743	.02954
#1	.04604	135.80	.51825	.58764	.46129	253.03	61.879
#2	.04728	135.52	.52146	.58975	.45970	252.54	61.905
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.8106	.91253	.63525	.04144	4.3114	1.8285	12.979
SDev	.0116	.00933	.00188	.00024	.0776	.0014	.010
%RSD	.24066	1.0227	.29600	.58102	1.7993	.07656	.07851
#1	4.8024	.90593	.63392	.04127	4.3662	1.8295	12.986
#2	4.8188	.91912	.63658	.04161	4.2565	1.8276	12.972
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.95733	1.1489	.00426	.21660	.21291	.52664	.50025
SDev	.00182	.0044	.00010	.00457	.00366	.00614	.00299
%RSD	.19025	.38002	2.2896	2.1112	1.7189	1.1662	.59777
#1	.95862	1.1458	.00419	.21337	.21032	.53098	.49813
#2	.95604	1.1520	.00432	.21984	.21550	.52229	.50236
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	1.6512	1.6830	.0431	.5998	3.029
SDev	.0194	.0136	.0037	.0003	.008
%RSD	1.1753	.80987	8.580	.0448	.2753
#1	1.6649	1.6927	.0405	.5996	3.023
#2	1.6375	1.6734	.0457	.6000	3.035
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4696	--	--	--	--	--	--
SDev	39.96569	--	--	--	--	--	--
%RSD	.8511198	--	--	--	--	--	--
#1	4667	--	--	--	--	--	--
#2	4724	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DNCFA Operator: KT
Run Time: 10/20/00 16:32:26
C ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05115	.00579	.00635	302.43	.03396	1.6094	.00736
SDev	.00149	.00878	.00120	.24	.00006	.0043	.00005
%RSD	2.9138	151.71	18.931	.07856	.17027	.26563	.70559
#1	.05010	-.00042	.00550	302.60	.03400	1.6063	.00739
#2	.05221	.01200	.00720	302.27	.03392	1.6124	.00732
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.00658	36.286	.78587	.08263	.20491	307.95	69.207
SDev	.00099	.010	.00150	.00067	.00013	.33	.169
%RSD	15.047	.02687	.19076	.80658	.06502	.10757	.24378
#1	L-.00728	36.279	.78481	.08310	.20501	308.19	69.088
#2	L-.00588	36.293	.78693	.08216	.20482	307.72	69.326
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.7171	-.00023	.19035	.00031	6.3554	L-.01526	15.592
SDev	.0090	.00543	.00210	.00049	.1243	.00941	.005
%RSD	.33054	2397.3	1.1039	161.38	1.9566	61.678	.03239
#1	2.7108	.00361	.19184	.00066	6.4433	L-.02192	15.596
#2	2.7235	-.00407	.18887	-.00004	6.2674	-.00861	15.588
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.52615	.59112	.01510	.00591	.00722	.06672	.04338
SDev	.00043	.00354	.02012	.00435	.00510	.00047	.00247
%RSD	.08244	.59959	133.20	73.573	70.640	.70786	5.6950
#1	.52584	.58861	.00088	.00284	.01083	.06706	.04163
#2	.52645	.59363	.02933	.00899	.00362	.06639	.04512
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.00745	.01240	.0635	.4819	2.894
SDev	.00675	.00980	.0016	.0014	.005
%RSD	90.656	79.042	2.577	.2795	.1839
#1	-.01222	.00547	.0624	.4810	2.891
#2	-.00267	.01933	.0647	.4829	2.898
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4776	--	--	--	--	--	--
SDev	27.03958	--	--	--	--	--	--
%RSD	.5661839	--	--	--	--	--	--
#1	4757	--	--	--	--	--	--
#2	4795	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: DNCFL Operator: KT
Run Time: 10/20/00 16:38:20
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01534	.08742	.00376	30.102	.03202	1.7835	.00107
SDev	.00146	.00613	.00133	.056	.00065	.0007	.00002
%RSD	9.5041	7.0151	35.459	.18539	2.0386	.04164	1.6266
#1	.01637	.09175	.00471	30.141	.03248	1.7841	.00108
#2	.01431	.08308	.00282	30.062	.03155	1.7830	.00106
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00012	18.853	.07169	.01704	.09463	50.226	12.089
SDev	.00011	.066	.00016	.00015	.00070	.035	.005
%RSD	89.311	.34990	.22533	.86516	.73883	.06984	.03735
#1	-.00004	18.807	.07157	.01714	.09513	50.201	12.086
#2	-.00019	18.900	.07180	.01694	.09414	50.251	12.092
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49714	.01315	.05713	-.00060	2.0880	-.00445	2.3642
SDev	.00077	.00007	.00169	.00040	.0094	.00299	.0002
%RSD	.15415	.57162	2.9666	66.419	.45076	67.075	.01003
#1	.49659	.01320	.05593	-.00089	2.0946	-.00234	2.3641
#2	.49768	.01310	.05833	-.00032	2.0813	-.00657	2.3644
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.12525	.20454	.01579	.00252	.00625	.02578	.01013
SDev	.00129	.00096	.00006	.00241	.00082	.00394	.00022
%RSD	1.0298	.46781	.40051	95.631	13.211	15.301	2.1405
#1	.12434	.20387	.01575	.00423	.00566	.02857	.01028
#2	.12616	.20522	.01583	.00082	.00683	.02299	.00998
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.06561	.09831	.0057	.1300	2.395
SDev	.00168	.01003	.0000	.0001	.005
%RSD	2.5526	10.203	.6600	.0722	.1948
#1	.06442	.10540	.0057	.1300	2.398
#2	.06679	.09121	.0057	.1299	2.392
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4719	--	--	--	--	--	--
SDev	31.14101	--	--	--	--	--	--
%RSD	.6599657	--	--	--	--	--	--
#1	4697	--	--	--	--	--	--
#2	4741	--	--	--	--	--	--

Method: QTESTNAK Sample Name: ~~DNCGF~~ DNCF1 bg 10/21/00 Operator: KT
Run Time: 10/20/00 16:46:23
C nent:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04094	.00570	.00408	178.34	.02795	1.3522	.00445
SDev	.00153	.00139	.00335	.05	.00275	.0049	.00005
%RSD	3.7416	24.316	82.120	.03021	9.8234	.36310	1.0784
#1	.03986	.00472	.00171	178.30	.02989	1.3557	.00449
#2	.04202	.00669	.00645	178.38	.02601	1.3487	.00442
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.00580	37.625	.21037	.09271	.14428	222.99	54.331
SDev	.00044	.023	.00092	.00121	.00085	.04	.116
%RSD	7.6413	.06167	.43623	1.3085	.58992	.01570	.21324
#1	L-.00548	37.609	.21102	.09185	.14488	223.02	54.413
#2	L-.00611	37.642	.20972	.09357	.14368	222.97	54.249
rrors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
gh	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.1664	.00282	.13147	-.00227	4.8869	-.00528	14.765
SDev	.0002	.00012	.00101	.00048	.1288	.00232	.004
%RSD	.00684	4.4035	.76693	21.172	2.6358	43.962	.02944
#1	3.1662	.00273	.13075	-.00193	4.9780	-.00692	14.768
#2	3.1665	.00290	.13218	-.00261	4.7958	-.00364	14.762
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.43473	.44261	.02438	.00503	.00218	.05973	.03156
SDev	.00151	.00027	.01362	.00508	.00011	.00315	.00387
%RSD	.34665	.06077	55.864	101.00	5.0978	5.2780	12.264
#1	.43580	.44280	.03401	.00144	.00226	.06196	.02882
#2	.43366	.44242	.01475	.00862	.00210	.05750	.03430
rrors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
ge	-.01598	.01653	.0257	.4374	2.669
SDev	.00706	.00560	.0002	.0012	.002
%RSD	44.189	33.907	.8045	.2821	.0696
#1	-.01099	.01257	.0258	.4383	2.668
#2	-.02097	.02049	.0255	.4366	2.670
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4732	--	--	--	--	--	--
SDev	38.07052	--	--	--	--	--	--
%RSD	.8044653	--	--	--	--	--	--
#1	4705	--	--	--	--	--	--
#2	4759	--	--	--	--	--	--

Method: QTESTNAK Sample Name: CCVT Operator: KT
Run Time: 10/20/00 16:52:50
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.48270	.48941	.49488	23.897	.49455	1.9942	2.0130
SDev	.00272	.00080	.00474	.034	.00346	.0010	.0032
%RSD	.56280	.16395	.95815	.14020	.70034	.04809	.16145
#1	.48462	.48884	.49153	23.873	.49699	1.9949	2.0152
#2	.48078	.48998	.49823	23.921	.49210	1.9935	2.0107
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	.55000	.55000	27.500	.55000	2.2000	2.2000
Low	.45000	.45000	.45000	22.500	.45000	1.8000	1.8000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49551	99.866	2.0059	1.9749	1.9254	25.078	99.171
SDev	.00146	.149	.0011	.0033	.0016	.045	.067
%RSD	.29489	.14876	.05555	.16826	.08466	.17877	.06726
#1	.49654	99.971	2.0051	1.9726	1.9266	25.109	99.218
#2	.49448	99.761	2.0067	1.9773	1.9243	25.046	99.124
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	110.00	2.2000	2.2000	2.2000	27.500	110.00
Low	.45000	90.000	1.8000	1.8000	1.8000	22.500	90.000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0095	1.9556	1.9822	.98177	48.416	.95697	2.0168
SDev	.0006	.0279	.0066	.00088	.010	.02001	.0018
%RSD	.02769	1.4266	.33520	.08913	.02164	2.0914	.09088
#1	2.0099	1.9358	1.9869	.98239	48.408	.94282	2.0181
#2	2.0091	1.9753	1.9775	.98115	48.423	.97112	2.0155
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	2.2000	2.2000	2.2000	1.1000		1.1000	2.2000
Low	1.8000	1.8000	1.8000	.90000		.90000	1.8000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	2.0017	2.0041	1.9496	.49458	.49549	.47960	.48424
SDev	.0028	.0011	.0173	.00584	.00254	.00116	.00349
%RSD	.13935	.05511	.88582	1.1809	.51279	.24126	.72178
#1	2.0037	2.0049	1.9373	.49045	.49370	.48042	.48671
#2	1.9997	2.0033	1.9618	.49871	.49729	.47878	.48177
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	2.2000	2.2000	2.2000				
Low	1.8000	1.8000	1.8000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.48518	.49152	1.950	2.021	1.966
SDev	.01157	.00458	.005	.002	.001
%RSD	2.3853	.93076	.2440	.0843	.0537
#1	.47700	.49475	1.947	2.023	1.966
#2	.49337	.48828	1.954	2.020	1.967
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			2.200	2.200	2.200
Low			1.800	1.800	1.800

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4654	--	--	--	--	--	--
SDev	8.202508	--	--	--	--	--	--
%RSD	.1762434	--	--	--	--	--	--
#1	4648	--	--	--	--	--	--
#2	4660	--	--	--	--	--	--

Analysis Report QC Standard 10/20/00 05:08:50 PM page 1

Method: QTESTNAK Sample Name: CCBT Operator: KT
Run Time: 10/20/00 17:02:58
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00116	.00130	.00195	-.08082	.00390	.00000	.00002
SDev	.00006	.00345	.00035	.00365	.00042	.00031	.00000
%RSD	5.1276	266.10	18.000	4.5165	10.797	9956.7	2.2206
#1	-.00112	.00374	.00219	-.07824	.00420	.00022	.00002
#2	-.00120	-.00114	.00170	-.08340	.00360	-.00022	.00002
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.00500	.06000	.20000	.01000	.02000	.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00034	.04010	-.00053	-.00001	.00117	.00324	.00368
SDev	.00040	.00003	.00016	.00110	.00034	.01928	.00005
%RSD	118.27	.06886	30.567	9436.9	29.346	594.88	1.2991
#1	.00062	.04008	-.00041	.00077	.00142	-.01039	.00372
#2	.00006	.04012	-.00064	-.00079	.00093	.01688	.00365
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00000	.00201	.00000	-.00000	.34306	.00028	.00037
SDev	.00036	.00276	.00000	.00020	.01293	.00715	.00000
%RSD	9814.9	137.41	.00000	570370.	3.7685	2523.8	.05359
#1	-.00025	.00396	.00000	-.00014	.33392	.00534	.00037
#2	.00026	.00006	.00000	.00014	.35221	-.00477	.00037
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.01500	.04000	.04000	.01000	5.0000	.01000	.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.00050	-.00160	.00432	.00115	.00354	.00018	-.00182
SDev	.00070	.00000	.00667	.00104	.00313	.00065	.00041
%RSD	140.82	.01905	154.41	90.422	88.527	370.45	22.673
#1	.00000	-.00160	.00904	.00041	.00576	-.00028	-.00153
#2	.00099	-.00160	-.00040	.00188	.00132	.00063	-.00211
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.00000	.00000	.00000				
Range	.05000	.02000	.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.00180	.00284	.0014	.0000	.0024
SDev	.00185	.00425	.0020	.0000	.0019
%RSD	102.69	149.52	141.4	.0000	76.83
#1	-.00049	.00585	.0028	.0000	.0038
#2	-.00311	-.00016	.0000	.0000	.0011
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value			.0000	.0000	.0000
Range			.2000	.0500	.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4805	--	--	--	--	--	--
SDev	.7071068	--	--	--	--	--	--
%RSD	.0147160	--	--	--	--	--	--
#1	4806	--	--	--	--	--	--
#2	4805	--	--	--	--	--	--

Method: QTESTNAK Sample Name: ~~DNCGN~~ DNCGF KT 10/21/00 Operator: KT
Run Time: 10/20/00 17:08:53
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05114	.01545	.00375	172.93	.04605	1.5125	.00462
SDev	.00117	.00622	.00237	.12	.00184	.0003	.00024
%RSD	2.2826	40.257	63.289	.06669	3.9999	.02240	5.1972
#1	.05031	.01105	.00543	173.01	.04475	1.5122	.00479
#2	.05196	.01985	.00207	172.85	.04736	1.5127	.00445
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00308	55.986	.26359	.08083	.20355	211.17	54.197
SDev	.00059	.068	.00137	.00030	.00147	.14	.033
%RSD	19.247	.12147	.52182	.37449	.72347	.06848	.05998
#1	-.00266	55.938	.26261	.08062	.20459	211.07	54.174
#2	-.00350	56.034	.26456	.08105	.20251	211.27	54.220
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.7579	.00953	.16695	-.00138	3.6472	-.00502	12.195
SDev	.0130	.00007	.00089	.00009	.1101	.00301	.016
%RSD	.34606	.74246	.53409	6.7774	3.0179	59.939	.13466
#1	3.7487	.00948	.16632	-.00131	3.7250	-.00289	12.183
#2	3.7671	.00958	.16758	-.00144	3.5693	-.00714	12.207
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.41916	.52107	.01595	.00499	.00127	.06593	.04376
SDev	.00095	.00036	.00001	.00102	.00509	.00239	.00295
%RSD	.22721	.06891	.04536	20.422	400.64	3.6298	6.7300
#1	.41983	.52132	.01596	.00571	.00487	.06762	.04167
#2	.41848	.52081	.01595	.00427	-.00233	.06423	.04584
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.00024	.02304	.0386	.4150	3.207
SDev	.00256	.01060	.0018	.0003	.009
%RSD	1081.8	46.014	4.532	.0663	.2709
#1	.00205	.01555	.0373	.4148	3.201
#2	-.00157	.03054	.0398	.4152	3.213
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4720	--	--	--	--	--	--
SDev	33.34727	--	--	--	--	--	--
%RSD	.7064710	--	--	--	--	--	--
#1	4697	--	--	--	--	--	--
#2	4744	--	--	--	--	--	--

Method: QTESTNAK Sample Name: ~~DNCHA~~ DNC GN 10/21/00 Operator: KT
Run Time: 10/20/00 17:19:00
C ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03670	.00478	.00207	179.01	.03332	1.3099	.00494
SDev	.00112	.00652	.00285	.23	.00402	.0016	.00004
%RSD	3.0565	136.40	138.07	.13069	12.056	.12493	.74255
#1	.03591	.00939	.00408	179.18	.03616	1.3111	.00497
#2	.03749	.00017	.00005	178.85	.03048	1.3088	.00492
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00479	30.992	.19742	.07931	.15345	219.65	51.601
SDev	.00064	.037	.00084	.00069	.00014	.08	.021
%RSD	13.463	.11836	.42669	.87221	.08951	.03714	.04019
#1	-.00433	30.966	.19802	.07980	.15335	219.59	51.615
#2	L-.00524	31.018	.19683	.07883	.15354	219.71	51.586
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.9434	.00260	.11526	-.00258	6.8132	-.00410	14.062
SDev	.0049	.00010	.00036	.00021	.0877	.00828	.018
%RSD	.16532	3.8143	.31225	8.1442	1.2877	202.14	.12505
#1	2.9399	.00253	.11501	-.00273	6.8753	.00176	14.050
#2	2.9468	.00267	.11552	-.00244	6.7512	-.00995	14.075
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.45797	.44023	.00077	.00083	.00455	.05450	.02782
SDev	.00206	.00039	.00680	.00356	.00144	.00053	.00195
%RSD	.44902	.08777	882.62	429.59	31.773	.97830	7.0026
#1	.45943	.44050	-.00404	.00334	.00557	.05487	.02644
#2	.45652	.43995	.00558	-.00169	.00352	.05412	.02920
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
'ge	-.00764	.01098	.0325	.3861	3.138
sDev	.00904	.00526	.0018	.0006	.002
%RSD	118.22	47.928	5.573	.1464	.0680
#1	-.00125	.01471	.0312	.3865	3.139
#2	-.01403	.00726	.0338	.3857	3.136
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4768	--	--	--	--	--	--
SDev	27.52054	--	--	--	--	--	--
%RSD	.5771998	--	--	--	--	--	--
#1	4748	--	--	--	--	--	--
#2	4787	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: DNCH¢A 10/20/00 Operator: KT
Run Time: 10/20/00 17:29:07
C ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05036	.01799	.00153	198.20	.03158	1.2984	.00569
SDev	.00043	.00298	.00035	.68	.00549	.0018	.00026
%RSD	.85697	16.590	23.129	.34338	17.375	.13819	4.5897
#1	.05005	.01588	.00128	198.68	.02770	1.2997	.00587
#2	.05066	.02010	.00178	197.72	.03546	1.2971	.00550
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.00524	30.802	.21678	.08664	.17152	220.52	47.959
SDev	.00044	.134	.00099	.00009	.00087	.13	.115
%RSD	8.4491	.43526	.45505	.10577	.50714	.05736	.23961
#1	-.00493	30.707	.21747	.08658	.17213	220.60	48.040
#2	L-.00556	30.897	.21608	.08670	.17090	220.43	47.878
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.8652	.00256	.13229	-.00258	4.4197	-.00445	12.983
SDev	.0035	.00013	.00014	.00022	.0124	.00191	.008
%RSD	.08988	5.0175	.10740	8.4684	.27956	42.979	.06535
#1	3.8627	.00247	.13239	-.00273	4.4109	-.00310	12.989
#2	3.8677	.00265	.13219	-.00242	4.4284	-.00580	12.977
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.46170	.44611	.01508	.00072	.00316	.06312	.04398
SDev	.00068	.00069	.00002	.00014	.00078	.00200	.00035
%RSD	.14821	.15445	.10734	19.674	24.701	3.1666	.79788
#1	.46218	.44660	.01507	.00062	.00260	.06171	.04423
#2	.46122	.44563	.01509	.00082	.00371	.06453	.04373
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.00600	.02398	.0399	.3769	3.219
SDev	.00067	.00481	.0003	.0004	.001
%RSD	11.211	20.060	.8887	.1204	.0192
#1	.00647	.02058	.0402	.3772	3.220
#2	.00552	.02738	.0397	.3766	3.219
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4729	--	--	--	--	--	--
SDev	42.03038	--	--	--	--	--	--
%RSD	.8887270	--	--	--	--	--	--
#1	4700	--	--	--	--	--	--
#2	4759	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DNCH~~L~~G KT 10/21/00 Operator: KT
Run Time: 10/20/00 17:35:35
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04917	.01366	.00393	209.97	.02715	1.1775	.00583
SDev	.00226	.00130	.00398	.44	.00272	.0057	.00002
%RSD	4.5925	9.5368	101.25	.20967	10.039	.48278	.34873
#1	.05076	.01274	.00112	210.28	.02908	1.1735	.00584
#2	.04757	.01458	.00675	209.66	.02522	1.1816	.00581
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00443	25.660	.24140	.09015	.15021	217.11	44.197
SDev	.00013	.041	.00164	.00082	.00077	.01	.170
%RSD	2.9227	.15870	.67861	.90517	.50989	.00675	.38475
#1	-.00452	25.631	.24024	.08957	.15075	217.10	44.077
#2	-.00434	25.689	.24256	.09073	.14966	217.12	44.317
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.8733	.00419	.12647	-.00215	5.4346	L-.01197	13.547
SDev	.0199	.00284	.00070	.00000	.0509	.01222	.011
%RSD	.51269	67.904	.55246	.10864	.93639	102.08	.07758
#1	3.8593	.00218	.12598	-.00215	5.4706	L-.02061	13.555
#2	3.8873	.00620	.12697	-.00215	5.3986	-.00333	13.540
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.46349	.41584	.01480	.00473	.00233	.06341	.04205
SDev	.00087	.00118	.01357	.00779	.00364	.00262	.00208
%RSD	.18797	.28436	91.693	164.59	156.25	4.1336	4.9380
#1	.46287	.41501	.00520	-.00078	.00491	.06527	.04352
#2	.46410	.41668	.02439	.01024	-.00024	.06156	.04058
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
ge	.00616	.01740	.0456	.3420	3.204
SDev	.01225	.00416	.0001	.0015	.012
%RSD	198.70	23.916	.2650	.4483	.3799
#1	-.00250	.02035	.0457	.3409	3.196
#2	.01483	.01446	.0456	.3431	3.213
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4728	--	--	--	--	--	--
SDev	12.52974	--	--	--	--	--	--
%RSD	.2650148	--	--	--	--	--	--
#1	4719	--	--	--	--	--	--
#2	4737	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: DNCHPL KG 10/21/00 Operator: KT
Run Time: 10/20/00 17:44:19
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.07196	.00708	.00262	238.84	.03053	1.7624	.00737
SDev	.00147	.00481	.00121	.20	.00513	.0011	.00003
%RSD	2.0479	67.951	46.141	.08448	16.789	.06075	.47057
#1	.07092	.00368	.00176	238.99	.03416	1.7632	.00739
#2	.07301	.01047	.00347	238.70	.02691	1.7617	.00734
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00382	67.443	.27537	.13663	.23850	299.90	79.458
SDev	.00065	.177	.00058	.00049	.00161	.18	.077
%RSD	16.938	.26266	.21136	.35539	.67547	.06053	.09725
#1	-.00336	67.318	.27578	.13629	.23964	299.77	79.404
#2	-.00428	67.568	.27496	.13698	.23737	300.03	79.513
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.9923	.00475	.22606	-.00335	8.0983	-.00788	17.973
SDev	.0149	.00269	.00394	.00029	.0344	.00663	.026
%RSD	.21278	56.614	1.7442	8.5840	.42500	84.146	.14440
#1	6.9818	.00665	.22885	-.00315	8.1226	-.00319	17.991
#2	7.0028	.00285	.22327	-.00356	8.0739	L-.01256	17.955
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.56685	.67411	.02513	.00103	.00580	.08856	.06368
SDev	.00011	.00080	.00679	.00298	.00234	.00105	.00168
%RSD	.01852	.11865	27.004	290.09	40.368	1.1910	2.6430
#1	.56692	.67355	.02993	-.00108	.00745	.08782	.06249
#2	.56677	.67468	.02034	.00313	.00414	.08931	.06487
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
ge	-.00768	.01444	.0397	.7172	3.787
SDev	.01101	.01271	.0001	.0001	.022
%RSD	143.48	87.997	.3801	.0215	.5869
#1	.00011	.00545	.0398	.7171	3.771
#2	-.01546	.02342	.0396	.7173	3.803
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4755	--	--	--	--	--	--
SDev	18.07334	--	--	--	--	--	--
%RSD	.3800610	--	--	--	--	--	--
#1	4743	--	--	--	--	--	--
#2	4768	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: DNC~~JE~~ HP 10/20/00 Operator: KT
Run Time: 10/20/00 17:52:22
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06598	.00636	.00300	252.83	.05797	1.7122	.00691
SDev	.00077	.00290	.00753	.06	.00854	.0055	.00004
%RSD	1.1711	45.622	250.78	.02316	14.730	.32017	.55542
#1	.06544	.00431	.00832	252.87	.05193	1.7084	.00694
#2	.06653	.00841	-.00232	252.79	.06401	1.7161	.00688
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00109	74.128	.36004	.12725	.34623	315.72	85.709
SDev	.00207	.104	.00145	.00028	.00083	.04	.313
%RSD	189.71	.14019	.40155	.21953	.23918	.01234	.36517
#1	-.00255	74.055	.35902	.12705	.34682	315.75	85.487
#2	.00037	74.202	.36107	.12745	.34564	315.69	85.930
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.2074	.00468	.24604	-.00251	9.4350	-.00875	17.593
SDev	.0211	.00010	.00006	.00019	.0779	.00505	.033
%RSD	.40426	2.0957	.02441	7.4802	.82562	57.672	.18791
#1	5.1925	.00461	.24608	-.00238	9.4901	L-.01232	17.569
#2	5.2223	.00475	.24600	-.00264	9.3799	-.00518	17.616
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.66267	.71978	.01032	.00529	-.00158	.08410	.05694
SDev	.00047	.00017	.00001	.00859	.00540	.00019	.00106
%RSD	.07106	.02425	.08319	162.37	341.27	.23132	1.8640
#1	.66234	.71966	.01033	.01136	.00224	.08396	.05619
#2	.66301	.71990	.01032	-.00078	-.00540	.08423	.05769
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

001567

Units			ppm	ppm	ppm
ge	-.00910	.01407	.0686	.7554	3.438
SDev	.00204	.00333	.0017	.0022	.014
%RSD	22.390	23.669	2.450	.2960	.4176
#1	-.01054	.01172	.0674	.7538	3.427
#2	-.00766	.01643	.0698	.7570	3.448
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4819	--	--	--	--	--	--
SDev	21.04368	--	--	--	--	--	--
%RSD	.4367177	--	--	--	--	--	--
#1	4804	--	--	--	--	--	--
#2	4833	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DNCJNC KT 10/21/00 Operator: KT
Run Time: 10/20/00 18:04:33
ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05697	.00924	.00626	260.58	.04252	2.1794	.00729
SDev	.00112	.00054	.00370	.46	.00390	.0020	.00005
%RSD	1.9702	5.8785	59.118	.17844	9.1696	.09171	.73507
#1	.05776	.00886	.00364	260.91	.04528	2.1780	.00732
#2	.05617	.00963	.00888	260.25	.03977	2.1809	.00725
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00373	33.048	.28594	.10042	.18498	282.67	61.787
SDev	.00024	.104	.00009	.00074	.00108	.17	.114
%RSD	6.3913	.31559	.03195	.73725	.58254	.06103	.18423
#1	-.00356	32.974	.28587	.10094	.18574	282.54	61.707
#2	-.00390	33.122	.28600	.09989	.18422	282.79	61.868
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.9409	.00125	.19230	-.00234	8.0851	-.00242	13.781
SDev	.0124	.00015	.00009	.00028	.1035	.00047	.014
%RSD	.31436	12.237	.04672	12.104	1.2802	19.539	.10242
#1	3.9321	.00114	.19236	-.00214	8.1583	-.00276	13.791
#2	3.9496	.00136	.19223	-.00254	8.0119	-.00209	13.771
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.56484	.54466	.00283	.00732	.00414	.07021	.05036
SDev	.00225	.00127	.00006	.00404	.00302	.00129	.00233
%RSD	.39833	.23303	2.1679	55.196	73.029	1.8413	4.6232
#1	.56325	.54376	.00279	.00446	.00200	.06929	.05200
#2	.56643	.54556	.00288	.01018	.00627	.07112	.04871
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.00035	.01404	.0393	.4716	2.927
SDev	.00256	.00209	.0002	.0006	.000
%RSD	721.93	14.903	.5764	.1244	.0017
#1	.00145	.01256	.0395	.4712	2.927
#2	-.00216	.01551	.0392	.4720	2.927
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4799	--	--	--	--	--	--
SDev	27.66210	--	--	--	--	--	--
%RSD	.5763850	--	--	--	--	--	--
#1	4780	--	--	--	--	--	--
#2	4819	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DNCJH Operator: KT
Run Time: 10/20/00 18:12:36
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.07250	.01140	-.00158	279.03	.05640	1.6997	.00779
SDev	.00188	.00198	.00021	.44	.00392	.0062	.00012
%RSD	2.5961	17.340	13.353	.15630	6.9548	.36436	1.5733
#1	.07383	.01000	-.00173	279.34	.05363	1.7041	.00770
#2	.07117	.01279	-.00143	278.72	.05918	1.6953	.00788
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00163	57.810	.35255	.17572	.34228	342.89	87.614
SDev	.00038	.064	.00261	.00063	.00053	.22	.226
%RSD	23.556	.11123	.73979	.35575	.15471	.06278	.25828
#1	-.00191	57.856	.35439	.17616	.34266	343.04	87.774
#2	-.00136	57.765	.35070	.17527	.34191	342.74	87.454
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.2451	.00288	.23229	-.00278	12.532	L-.01941	18.963
SDev	.0103	.00545	.00028	.00012	.125	.00631	.016
%RSD	.19613	189.40	.12150	4.3021	.99874	32.512	.08355
#1	5.2524	.00673	.23209	-.00286	12.621	L-.02387	18.952
#2	5.2378	-.00098	.23249	-.00269	12.444	L-.01495	18.974
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.70968	.78698	-.00090	-.00246	.00019	.09216	.06269
SDev	.00003	.00408	.01371	.00017	.00030	.00070	.00247
%RSD	.00447	.51829	1521.1	6.7963	159.05	.76093	3.9430
#1	.70966	.78986	-.01060	-.00258	-.00002	.09265	.06443
#2	.70970	.78409	.00880	-.00234	.00040	.09166	.06094
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.00518	.01967	.0602	.6617	3.291
SDev	.00127	.00233	.0005	.0024	.015
%RSD	24.564	11.830	.7736	.3565	.4413
#1	-.00608	.01803	.0606	.6634	3.302
#2	-.00428	.02132	.0599	.6601	3.281
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4702	--	--	--	--	--	--
SDev	36.37353	--	--	--	--	--	--
%RSD	.7735758	--	--	--	--	--	--
#1	4676	--	--	--	--	--	--
#2	4728	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DNCJJ Operator: KT
Run Time: 10/20/00 18:18:31
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05235	.00625	.00365	239.73	.03879	1.0035	.00716
SDev	.00244	.00371	.00007	.25	.00538	.0022	.00008
%RSD	4.6646	59.431	1.7954	.10565	13.882	.22051	1.0642
#1	.05407	.00362	.00361	239.91	.03498	1.0050	.00721
#2	.05062	.00887	.00370	239.55	.04259	1.0019	.00711
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00363	62.543	.26484	.09996	.13486	258.23	61.465
SDev	.00124	.017	.00168	.00204	.00018	.08	.148
%RSD	34.115	.02644	.63544	2.0364	.13360	.02922	.24063
#1	-.00276	62.531	.26603	.09852	.13473	258.18	61.569
#2	-.00451	62.554	.26365	.10140	.13498	258.28	61.360
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.9726	.00312	.18405	-.00228	9.3570	-.00768	15.181
SDev	.0035	.00524	.00058	.00027	.0282	.00237	.013
%RSD	.08813	168.05	.31332	11.835	.30176	30.858	.08411
#1	3.9751	.00682	.18446	-.00209	9.3770	-.00936	15.172
#2	3.9701	-.00059	.18364	-.00247	9.3371	-.00601	15.190
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.47307	.50361	.02668	.00424	.00247	.06700	.04503
SDev	.00058	.00122	.00666	.00149	.00279	.00598	.00067
%RSD	.12195	.24173	24.961	35.149	112.99	8.9334	1.4939
#1	.47266	.50447	.03139	.00319	.00444	.07123	.04551
#2	.47348	.50275	.02197	.00530	.00050	.06277	.04456
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.00888	.01380	.0509	.4666	2.729
SDev	.00672	.00221	.0015	.0012	.016
%RSD	75.709	16.023	2.968	.2563	.5821
#1	-.01363	.01224	.0498	.4675	2.740
#2	-.00413	.01536	.0520	.4658	2.718
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4902	--	--	--	--	--	--
SDev	41.91714	--	--	--	--	--	--
%RSD	.8551656	--	--	--	--	--	--
#1	4872	--	--	--	--	--	--
#2	4931	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DNCJL Operator: KT
Run Time: 10/20/00 18:26:33
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06290	.01008	.00253	296.32	.02581	1.6708	.00765
SDev	.00154	.00069	.00052	.28	.00127	.0002	.00004
%RSD	2.4553	6.8854	20.502	.09420	4.9335	.01395	.51775
#1	.06400	.00959	.00216	296.51	.02671	1.6707	.00768
#2	.06181	.01057	.00289	296.12	.02491	1.6710	.00762
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00240	99.543	.35711	.08774	.14804	281.11	59.460
SDev	.00041	.154	.00173	.00053	.00062	.16	.077
%RSD	17.248	.15444	.48392	.60054	.41857	.05855	.12884
#1	-.00270	99.434	.35589	.08811	.14848	280.99	59.406
#2	-.00211	99.652	.35833	.08736	.14760	281.23	59.514
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.2259	.00493	.13804	-.00111	10.194	-.00567	14.080
SDev	.0049	.00010	.00159	.00000	.030	.00012	.009
%RSD	.22227	1.9837	1.1544	.32047	.29423	2.0602	.06736
#1	2.2224	.00486	.13917	-.00112	10.173	-.00575	14.073
#2	2.2294	.00500	.13692	-.00111	10.215	-.00559	14.086
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.48158	.53086	.02116	.00111	.00538	.07758	.05558
SDev	.00143	.00004	.00004	.00052	.00259	.00537	.00037
%RSD	.29732	.00822	.20002	46.873	48.248	6.9234	.65827
#1	.48057	.53089	.02119	.00147	.00354	.08137	.05532
#2	.48260	.53083	.02113	.00074	.00721	.07378	.05584
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.00181	.01420	.0790	.5448	2.800
SDev	.00108	.00050	.0003	.0005	.006
%RSD	59.259	3.5471	.4140	.0840	.2016
#1	.00105	.01385	.0792	.5445	2.796
#2	.00257	.01456	.0787	.5452	2.804
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4783	--	--	--	--	--	--
SDev	19.79899	--	--	--	--	--	--
%RSD	.4139796	--	--	--	--	--	--
#1	4769	--	--	--	--	--	--
#2	4797	--	--	--	--	--	--

Method: QTESTNAK Sample Name: CCVT Operator: KT
Run Time: 10/20/00 18:36:40
(ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.48067	.48513	.48767	23.737	.49000	2.0047	2.0055
SDev	.00280	.00557	.00974	.079	.00737	.0140	.0067
%RSD	.58333	1.1476	1.9963	.33090	1.5045	.69712	.33532
#1	.47869	.48119	.48079	23.681	.48479	1.9948	2.0007
#2	.48266	.48906	.49455	23.792	.49522	2.0145	2.0103
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	.55000	.55000	27.500	.55000	2.2000	2.2000
Low	.45000	.45000	.45000	22.500	.45000	1.8000	1.8000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49127	99.106	2.0116	1.9712	1.9192	24.951	99.340
SDev	.00100	.377	.0103	.0133	.0052	.068	.538
%RSD	.20421	.38018	.51111	.67277	.26948	.27161	.54108
#1	.49056	98.840	2.0043	1.9618	1.9155	24.903	98.960
#2	.49197	99.373	2.0189	1.9806	1.9228	24.998	99.720
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	110.00	2.2000	2.2000	2.2000	27.500	110.00
Low	.45000	90.000	1.8000	1.8000	1.8000	22.500	90.000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0083	1.9515	1.9701	.97676	48.206	.94689	2.0251
SDev	.0117	.0372	.0041	.00274	.168	.00930	.0060
%RSD	.58300	1.9045	.21005	.28011	.34947	.98251	.29776
#1	2.0000	1.9252	1.9672	.97483	48.087	.94032	2.0209
#2	2.0165	1.9778	1.9731	.97870	48.325	.95347	2.0294
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	2.2000	2.2000	2.2000	1.1000		1.1000	2.2000
Low	1.8000	1.8000	1.8000	.90000		.90000	1.8000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	2.0021	1.9962	1.9096	.48616	.49069	.48369	.47917
SDev	.0075	.0080	.0304	.00838	.01245	.00600	.00121
%RSD	.37371	.39984	1.5924	1.7239	2.5368	1.2402	.25231
#1	1.9968	1.9905	1.8881	.48024	.48189	.47945	.47831
#2	2.0074	2.0018	1.9311	.49209	.49949	.48793	.48002
rrors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	2.2000	2.2000	2.2000				
Low	1.8000	1.8000	1.8000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
ge	.48177	.48680	1.952	2.027	1.972
sDev	.00690	.01179	.013	.012	.008
%RSD	1.4317	2.4220	.6803	.5835	.4222
#1	.48665	.47847	1.942	2.019	1.966
#2	.47690	.49514	1.961	2.036	1.978
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			2.200	2.200	2.200
Low			1.800	1.800	1.800

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4669	--	--	--	--	--	--
SDev	7.325530	--	--	--	--	--	--
%RSD	.1569113	--	--	--	--	--	--
#1	4674	--	--	--	--	--	--
#2	4663	--	--	--	--	--	--

Method: QTESTNAK Sample Name: CCBT Operator: KT
Run Time: 10/20/00 18:44:43
C ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00279	.00335	.00427	-.10735	.00708	.00022	-.00012
SDev	.00110	.00124	.00264	.01024	.00322	.00000	.00019
%RSD	39.284	36.918	61.853	9.5430	45.514	.17410	165.31
#1	-.00201	.00423	.00614	-.10011	.00936	.00022	.00002
#2	-.00356	.00248	.00240	-.11459	.00480	.00022	-.00025
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.00500	.06000	.20000	.01000	.02000	.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00084	.04017	-.00019	-.00001	.00142	.00664	.00010
SDev	.00035	.00017	.00064	.00110	.00001	.00469	.00001
%RSD	42.194	.41621	344.92	8940.8	.93074	70.687	12.564
#1	.00059	.04029	.00027	.00076	.00143	.00996	.00011
#2	.00109	.04005	-.00064	-.00079	.00141	.00332	.00009
rrors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
alue	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00000	.00006	.00000	.00000	.42435	-.00688	.00076
SDev	.00036	.00000	.00000	.00000	.05069	.00448	.00055
%RSD	9271.1	6.9074	.00000	1664.6	11.946	65.058	73.152
#1	.00026	.00006	.00000	-.00000	.38850	Q-.01005	.00115
#2	-.00025	.00005	.00000	.00000	.46020	-.00372	.00037
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.01500	.04000	.04000	.01000	5.0000	.01000	.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.00050	-.00160	-.00041	.00480	.00321	-.00181	-.00328
SDev	.00070	.00000	.02671	.00396	.00001	.00219	.00055
%RSD	141.53	.24736	6438.5	82.449	.23858	120.88	16.733
#1	.00099	-.00160	-.01930	.00760	.00322	-.00026	-.00289
#2	-.00000	-.00160	.01847	.00200	.00321	-.00336	-.00366
rrors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.00000	.00000	.00000				
Range	.05000	.02000	.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
vge	-.00572	.00788	.0028	.0000	.0281
SDev	.00365	.00003	.0000	.0000	.0363
%RSD	63.820	.39358	.0883	.0000	129.5
#1	-.00314	.00790	.0028	.0000	.0538
#2	-.00831	.00786	.0028	.0000	.0024
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value			.0000	.0000	.0000
Range			.2000	.0500	.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4803	--	--	--	--	--	--
SDev	4.242641	--	--	--	--	--	--
%RSD	.0883258	--	--	--	--	--	--
#1	4800	--	--	--	--	--	--
#2	4806	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: CCVT Operator: KT
Run Time: 10/21/00 06:32:05
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.47703	.48642	.49010	23.491	.50201	1.9260	2.0642
SDev	.00277	.00392	.00438	.002	.00153	.0018	.0040
%RSD	.58133	.80600	.89348	.00654	.30517	.09452	.19357
#1	.47899	.48365	.48700	23.490	.50310	1.9273	2.0670
#2	.47507	.48919	.49320	23.492	.50093	1.9247	2.0613
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	.55000	.55000	27.500	.55000	2.2000	2.2000
Low	.45000	.45000	.45000	22.500	.45000	1.8000	1.8000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50182	99.620	1.9949	1.9618	1.9047	24.951	100.28
SDev	.00415	.203	.0045	.0030	.0005	.060	.14
%RSD	.82616	.20412	.22732	.15337	.02469	.23962	.14345
#1	.50475	99.763	1.9981	1.9639	1.9044	24.993	100.38
#2	.49889	99.476	1.9917	1.9597	1.9050	24.909	100.17
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	110.00	2.2000	2.2000	2.2000	27.500	110.00
Low	.45000	90.000	1.8000	1.8000	1.8000	22.500	90.000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.9943	1.9554	1.9981	.98182	46.770	.93825	1.9868
SDev	.0014	.0269	.0027	.00059	.071	.00499	.0007
%RSD	.07130	1.3754	.13734	.05960	.15089	.53192	.03434
#1	1.9953	1.9364	2.0000	.98223	46.820	.93472	1.9873
#2	1.9933	1.9744	1.9962	.98140	46.720	.94178	1.9863
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	2.2000	2.2000	2.2000	1.1000		1.1000	2.2000
Low	1.8000	1.8000	1.8000	.90000		.90000	1.8000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	1.9768	2.0329	1.9614	.49227	.48576	.47114	.47997
SDev	.0017	.0007	.0005	.00876	.00440	.00270	.00551
%RSD	.08711	.03573	.02478	1.7802	.90638	.57411	1.1476
#1	1.9780	2.0334	1.9611	.48607	.48887	.46923	.48387
#2	1.9756	2.0324	1.9618	.49847	.48264	.47306	.47608
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	2.2000	2.2000	2.2000				
Low	1.8000	1.8000	1.8000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

its			ppm	ppm	ppm
Avge	.47017	.49453	1.946	1.978	1.918
SDev	.00403	.00387	.005	.003	.001
%RSD	.85653	.78202	.2419	.1644	.0279
#1	.46732	.49180	1.942	1.980	1.917
#2	.47302	.49727	1.949	1.976	1.918
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			2.200	2.200	2.200
Low			1.800	1.800	1.800

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4520	--	--	--	--	--	--
SDev	1.131440	--	--	--	--	--	--
%RSD	.0250308	--	--	--	--	--	--
#1	4521	--	--	--	--	--	--
#2	4519	--	--	--	--	--	--

Analysis Report QC Standard 10/21/00 06:46:00 AM page 1

Method: QTESTNAK Sample Name: CCBT' Operator: KT
Run Time: 10/21/00 06:40:09
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00009	-.00270	.00332	-.04145	.00756	.00024	.00007
SDev	.00067	.00148	.00364	.00241	.00002	.00000	.00000
%RSD	784.59	54.684	109.54	5.8119	.25693	.35136	4.1610
#1	.00056	-.00375	.00589	-.03975	.00755	.00024	.00007
#2	-.00039	-.00166	.00075	-.04315	.00757	.00024	.00007
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.00500	.06000	.20000	.01000	.02000	.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00013	.00801	-.00045	-.00085	-.00056	-.00401	.00403
SDev	.00076	.00029	.00050	.00000	.00002	.00998	.00003
%RSD	602.81	3.6395	111.19	.31185	4.2497	249.07	.69360
#1	.00066	.00822	-.00080	-.00085	-.00055	-.01106	.00401
#2	-.00041	.00781	-.00010	-.00085	-.00058	.00305	.00405
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00025	-.00182	.00075	-.00007	.19193	-.00989	.00030
SDev	.00000	.00286	.00105	.00010	.02797	.00238	.00000
%RSD	.00000	157.00	141.42	142.02	14.574	24.068	.95362
#1	-.00025	-.00385	.00000	.00000	.21171	Q-.01157	.00030
#2	-.00025	.00020	.00149	-.00014	.17215	-.00821	.00031
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.01500	.04000	.04000	.01000	5.0000	.01000	.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.00051	-.00147	.00342	.00421	.00153	.00233	-.00104
SDev	.00073	.00001	.00688	.00499	.00092	.00003	.00099
%RSD	141.96	.90803	201.54	118.55	59.915	1.4980	95.604
#1	-.00000	-.00146	.00828	.00774	.00218	.00236	-.00034
#2	.00103	-.00148	-.00145	.00068	.00088	.00231	-.00174
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.00000	.00000	.00000				
Range	.05000	.02000	.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.01269	.00229	.0029	.0000	<.0000
SDev	.00009	.00217	.0000	.0000	.0006
%RSD	.68629	95.034	.1847	.0000	3.044
#1	-.01275	.00075	.0029	.0000	<.0000
#2	-.01263	.00382	.0029	.0000	<.0000
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value			.0000	.0000	.0000
Range			.2000	.0500	.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4626	--	--	--	--	--	--
SDev	8.541905	--	--	--	--	--	--
%RSD	.1846547	--	--	--	--	--	--
#1	4620	--	--	--	--	--	--
#2	4632	--	--	--	--	--	--

Analysis Report 10/21/00 06:51:56 AM

Method: QTESTNAK Sample Name: DM2LRSF Operator: KT
R Time: 10/21/00 06:46:04
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.47422	2.0662	.50433	1.8586	2.0035	1.9235	.05269
SDev	.00536	.0095	.00156	.0066	.0159	.0044	.00013
%RSD	1.1305	.45769	.30898	.35625	.79510	.23066	.23969
#1	.47801	2.0595	.50323	1.8633	2.0148	1.9267	.05278
#2	.47043	2.0728	.50543	1.8539	1.9922	1.9204	.05260
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05151	56.533	.20214	.50972	.24015	1.0112	51.741
SDev	.00054	.033	.00055	.00043	.00074	.0388	.014
%RSD	1.0482	.05817	.27352	.08517	.30848	3.8380	.02654
#1	.05113	56.556	.20253	.51003	.24068	1.0386	51.731
#2	.05190	56.509	.20175	.50942	.23963	.98376	51.751
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.63517	.97995	.51354	.04783	52.160	1.9470	1.0012
SDev	.00062	.00718	.00141	.00007	.077	.0188	.0008
%RSD	.09802	.73255	.27504	.14121	.14680	.96333	.08245
#1	.63561	.97487	.51454	.04778	52.214	1.9338	1.0006
#2	.63473	.98502	.51254	.04788	52.106	1.9603	1.0018
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.49056	.69320	1.9437	.50328	.50643	.45796	.48234
SDev	.00070	.00148	.0183	.00195	.00077	.00400	.00604
%RSD	.14186	.21406	.94182	.38811	.15147	.87233	1.2529
#1	.49007	.69425	1.9566	.50190	.50588	.46078	.48662
#2	.49105	.69215	1.9307	.50466	.50697	.45513	.47807
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	2.0468	2.0758	1.009	1.054	12.32
SDev	.0059	.0171	.004	.001	.03
%RSD	.28704	.82430	.3474	.1280	.2811
#1	2.0510	2.0637	1.007	1.055	12.29
#2	2.0427	2.0879	1.012	1.054	12.34
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4577	--	--	--	--	--	--
SDev	6.448897	--	--	--	--	--	--
%RSD	.1409028	--	--	--	--	--	--
#1	4581	--	--	--	--	--	--
#2	4572	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: DM2LRDF Operator: KT
Run Time: 10/21/00 06:56:13
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.47295	2.0625	.50964	1.8760	1.9806	1.9182	.05242
SDev	.00164	.0060	.00115	.0028	.0217	.0070	.00012
%RSD	.34710	.29155	.22480	.14758	1.0951	.36339	.23275
#1	.47411	2.0583	.51045	1.8740	1.9959	1.9231	.05251
#2	.47179	2.0668	.50883	1.8779	1.9653	1.9132	.05233
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05105	56.560	.20011	.50715	.24168	1.0324	51.752
SDev	.00049	.044	.00165	.00347	.00088	.0173	.148
%RSD	.95655	.07810	.82232	.68488	.36494	1.6756	.28605
#1	.05139	56.591	.20127	.50961	.24105	1.0447	51.856
#2	.05070	56.529	.19895	.50470	.24230	1.0202	51.647
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.63355	.97462	.51051	.04827	52.485	1.9650	.99797
SDev	.00411	.00359	.00116	.00011	.068	.0150	.00124
%RSD	.64808	.36798	.22745	.22648	.12931	.76501	.12443
#1	.63646	.97208	.51134	.04834	52.437	1.9756	.99709
#2	.63065	.97716	.50969	.04819	52.533	1.9544	.99885
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.49097	.69351	1.9394	.50936	.51021	.46208	.47838
SDev	.00112	.00407	.0114	.00139	.00065	.00162	.00165
%RSD	.22733	.58675	.58635	.27300	.12844	.34971	.34585
#1	.49176	.69639	1.9475	.51034	.51067	.46322	.47955
#2	.49018	.69063	1.9314	.50837	.50974	.46094	.47721
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	2.0384	2.0746	1.002	1.051	12.36
SDev	.0052	.0064	.002	.005	.03
%RSD	.25264	.31063	.2275	.4378	.2436
#1	2.0347	2.0700	1.004	1.055	12.38
#2	2.0420	2.0791	1.000	1.048	12.34
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4563	--	--	--	--	--	--
SDev	10.38011	--	--	--	--	--	--
%RSD	.2274653	--	--	--	--	--	--
#1	4556	--	--	--	--	--	--
#2	4571	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DNGFAB-0293471 Operator: KT
F Time: 10/21/00 07:06:21
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00483	.00090	.00305	-.01969	.00203	.00025	.00010
SDev	.00139	.00259	.00060	.00551	.01071	.00000	.00000
%RSD	28.753	286.47	19.832	28.002	526.31	.41415	3.5666
#1	.00582	.00273	.00262	-.01579	.00961	.00025	.00011
#2	.00385	-.00093	.00348	-.02359	-.00554	.00025	.00010
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00071	.01168	.00130	.00077	-.00079	.02438	.00251
SDev	.00023	.00036	.00052	.00000	.00003	.00004	.00269
%RSD	32.884	3.0719	40.175	.00109	3.5312	.17904	106.97
#1	.00088	.01193	.00167	.00077	-.00077	.02441	.00441
#2	.00055	.01142	.00093	.00077	-.00081	.02435	.00061
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00029	.00445	.00000	.00007	.47897	-.00318	.00027
SDev	.00000	.00002	.00000	.00031	.02656	.00307	.00000
%RSD	.41415	.41411	.00000	424.08	5.5451	96.592	1.4356
#1	.00029	.00446	.00000	.00029	.46019	-.00101	.00026
#2	.00029	.00444	.00000	-.00015	.49775	-.00536	.00027
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.00053	.00038	-.00718	.00356	.00204	.00999	.00226
SDev	.00074	.00001	.00701	.00020	.00141	.00213	.00102
%RSD	141.03	2.8031	97.674	5.7444	69.103	21.267	45.280
#1	.00000	.00039	-.00222	.00341	.00104	.01149	.00298
#2	.00105	.00037	-.01214	.00370	.00303	.00849	.00154
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.01380	.00824	.0030	.0001	.0149
SDev	.00599	.00687	.0000	.0002	.0025
%RSD	43.381	83.314	.2221	141.4	17.08
#1	-.01803	.01310	.0030	.0000	.0166
#2	-.00957	.00339	.0030	.0002	.0131
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4521	--	--	--	--	--	--
SDev	10.04106	--	--	--	--	--	--
%RSD	.2220991	--	--	--	--	--	--
#1	4514	--	--	--	--	--	--
#2	4528	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: CCVT Operator: KT
Time: 10/21/00 07:12:17
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.47460	.49216	.49109	23.728	.50049	1.9396	2.0623
SDev	.00073	.01425	.00235	.040	.00238	.0000	.0005
%RSD	.15461	2.8959	.47853	.16792	.47638	.00108	.02220
#1	.47408	.48208	.48943	23.756	.50218	1.9396	2.0627
#2	.47512	.50223	.49276	23.700	.49880	1.9396	2.0620
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	.55000	.55000	27.500	.55000	2.2000	2.2000
Low	.45000	.45000	.45000	22.500	.45000	1.8000	1.8000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49887	99.118	1.9867	1.9572	1.9288	24.927	101.20
SDev	.00005	.168	.0039	.0010	.0010	.008	.02
%RSD	.01074	.16945	.19611	.05259	.05346	.03035	.01731
#1	.49890	99.237	1.9894	1.9579	1.9296	24.922	101.21
#2	.49883	98.999	1.9839	1.9565	1.9281	24.932	101.19
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	110.00	2.2000	2.2000	2.2000	27.500	110.00
Low	.45000	90.000	1.8000	1.8000	1.8000	22.500	90.000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.9905	1.9543	1.9900	.98548	47.082	.95093	1.9944
SDev	.0003	.0347	.0011	.00136	.071	.00308	.0016
%RSD	.01352	1.7734	.05750	.13819	.15104	.32390	.08254
#1	1.9907	1.9298	1.9892	.98644	47.132	.95311	1.9956
#2	1.9903	1.9788	1.9908	.98451	47.032	.94875	1.9933
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	2.2000	2.2000	2.2000	1.1000		1.1000	2.2000
Low	1.8000	1.8000	1.8000	.90000		.90000	1.8000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	1.9788	2.0326	1.9366	.48949	.49431	.47070	.47655
SDev	.0048	.0015	.0134	.00065	.00576	.00088	.00154
%RSD	.24236	.07149	.69017	.13252	1.1648	.18649	.32280
#1	1.9822	2.0316	1.9271	.48903	.49024	.47132	.47546
#2	1.9754	2.0336	1.9460	.48995	.49839	.47007	.47764
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	2.2000	2.2000	2.2000				
Low	1.8000	1.8000	1.8000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

its			ppm	ppm	ppm
...ge	.48797	.49425	1.943	1.990	1.934
SDev	.01267	.01504	.005	.001	.004
%RSD	2.5958	3.0438	.2775	.0648	.2174
#1	.47901	.48361	1.939	1.991	1.937
#2	.49692	.50489	1.947	1.989	1.931
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			2.200	2.200	2.200
Low			1.800	1.800	1.800

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4460	--	--	--	--	--	--
SDev	2.347815	--	--	--	--	--	--
%RSD	.0526376	--	--	--	--	--	--
#1	4459	--	--	--	--	--	--
#2	4462	--	--	--	--	--	--

Analysis Report QC Standard 10/21/00 07:26:12 AM page 1

Method: QTESTNAK Sample Name: CCBT' Operator: KT
P Time: 10/21/00 07:20:21
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00068	.00174	.00519	-.03793	.00250	.00025	-.00020
SDev	.00148	.00033	.00079	.00312	.00483	.00000	.00000
%RSD	218.48	19.069	15.228	8.2291	193.60	.54881	1.7894
#1	.00172	.00198	.00575	-.03573	-.00092	.00024	-.00020
#2	-.00037	.00151	.00463	-.04014	.00591	.00025	-.00019
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.00500	.06000	.20000	.01000	.02000	.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00047	.01020	.00018	.00077	-.00039	-.01146	.00612
SDev	.00039	.00047	.00035	.00000	.00004	.01004	.00255
%RSD	83.411	4.5825	188.29	.02109	9.6482	87.605	41.715
#1	.00075	.00987	-.00006	.00077	-.00041	-.01856	.00793
#2	.00019	.01053	.00043	.00077	-.00036	-.00436	.00432
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00029	.00232	.00076	-.00022	.17764	-.00419	.00028
SDev	.00000	.00293	.00107	.00010	.04281	.00710	.00001
%RSD	.54880	126.08	141.42	46.804	24.103	169.33	1.7409
#1	.00029	.00025	.00151	-.00029	.14736	.00083	.00029
#2	.00029	.00439	-.00000	-.00015	.20791	-.00922	.00028
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.01500	.04000	.04000	.01000	5.0000	.01000	.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.00000	-.00142	.01299	.00713	.00130	-.00078	.00141
SDev	.00000	.00001	.00707	.00050	.00137	.00188	.00128
%RSD	94.673	1.0167	54.394	7.0241	105.12	239.07	91.142
#1	.00000	-.00143	.01799	.00748	.00227	.00054	.00232
#2	.00000	-.00141	.00800	.00677	.00033	-.00211	.00050
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.00000	.00000	.00000				
Range	.05000	.02000	.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

its			ppm	ppm	ppm
Avge	.00313	.00105	.0059	.0000	<.0000
SDev	.00185	.00142	.0000	.0000	.0006
%RSD	59.079	135.60	.2920	.0000	3.791
#1	.00182	.00205	.0059	.0000	<.0000
#2	.00444	.00004	.0059	.0000	<.0000
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value			.0000	.0000	.0000
Range			.2000	.0500	.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4563	--	--	--	--	--	--
SDev	13.32178	--	--	--	--	--	--
%RSD	.2919663	--	--	--	--	--	--
#1	4572	--	--	--	--	--	--
#2	4553	--	--	--	--	--	--

RQC057

Severn Trent Laboratories, Inc.
METALS PREP LOG/BATCH SUMMARY

Run Date: 10/19/00
Time: 17:54:27

BATCH NUMBER: **0293471**

PREP DATE: 10/19/00
DUE DATE 10/20/00

INITIALS: 607

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0J190184	DNE6X	01	X 1.01 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/20/00			
E0J180165	DNCE3	01	X 1.00 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/24/00			
	DNCE3S		1.01 g	_____g	_____g	_____g
	DNCE3D		1.01 g	_____g	_____g	_____g
E0J180165	DNCFA	01	X 1.00 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/24/00			
E0J180165	DNCFL	01	X 1.01 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/24/00			
E0J180165	DNCF1	01	X 1.00 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/24/00			
E0J180165	DNCGF	01	X .99 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/24/00			
E0J180165	DNCGN	01	X .99 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/24/00			
missing E0J180165	DNCG1	01	X _____g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/24/00			
E0J180165	DNCHA	01	X 1.01 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/24/00			
E0J180165	DNCHG	01	X 1.01 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/24/00			
E0J180165	DNCHL	01	X 1.01 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/24/00			
E0J180165	DNCHP	01	X 1.00 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/24/00			
E0J180165	DNCJC	01	X 1.00 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/24/00			
E0J180165	DNCJH	01	X 1.00 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/24/00			

Add E0J190187 DNE66 DNE7C

RQC057

Severn Trent Laboratories, Inc.
METALS PREP LOG/BATCH SUMMARY

Run Date: 10/19/00
Time: 17:54:27

BATCH NUMBER: **0293471**

PREP DATE: 10/19/00
DUE DATE 10/20/00

INITIALS: bg

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0J180165	DNCJJ	01	X 1.01 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/24/00			
E0J180165	DNCJL	01	X 1.00 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/24/00			
E0J190000	DNGFAB	01	X 1.00 g	_____g	_____g	_____g
SOLID	DUE DATE:		0/00/00			
	DNGFAC		1.03 g	_____g	_____g	_____g

LEVEL 2
BLANK AND CHECK STANDARD ON BATCH _____
MS/MSD AND PDS ON BATCH _____
CURVE PREPPED FOR HG _____
CORRECT SPIKES ADDED _____
SPIKING SOLUTIONS DOCUMENTED ON BATCH LOG_____

COMMENTS: Final Vol : 100 ml

B-BLANK/C-LCS/D-MSD/I-REANALYSIS/L-LCSD/P-SERIAL DLTN/S-MS/X-SAMP DUP/Y-SAMP CONF/Z-PDS

SPIKING WITNESSED BY _____

ICP ELEMENTS WITHIN THE BATCH:

AG AL AS BA BE CD CO CR CU MO NI PB SB SE TL VX ZN

MS/MSD 1:	ICP - 1	ICP - 2	GFAA	HG	ODD
MS/MSD 2:	ICP - 1	ICP - 2	GFAA	HG	ODD
MS/MSD 3:	ICP - 1	ICP - 2	GFAA	HG	ODD
CHECK :	ICP - 1	ICP - 2	GFAA	HG	ODD
CHECK DUP:	ICP - 1	ICP - 2	GFAA	HG	ODD
STANDARD NUMBERS	_____	_____	____	___	___

STL LOS ANGELES

Précis
Metals Preparation

Batch: 0293471
The following information applies to all samples associated with the above batch number.

Prepared By: lcr
Reviewed By: lcr

Date/Time Initiated: 10/19/00 / 21:10
Date/Time Completed: 10/20/00 / 14:00

Hot Plate/Block # 4 Temp* 95 °C Thermometer # M-H-04
*Thermometer correction applied. (CF +1.0 °C)

Spike Standards for LCS and MS/MSD samples.

	Volume	Lot #	Exp. Date
1. QSPK1A	1.0 mL	QSPK1A-091200-2	08/2002
2. QSPK1B	/ mL	QSKP1B-091200-1	08/2002
3. QSPK2A	/ mL	QSPK2A 072000-1	04/2002
4. QSPK2B	/ mL	QSPK2B-101600-1	12/2001

Reagents	Volume	Lot #
HNO_3	10.0 mL	6623 T09A058
H_2O_2	4.0 mL	5240T15A01
HCl	10.0 mL	5587 N41A07

SOP No. CORP-IP-0002, Revision 2, Date: 7/2/99

Method 3050B

Step 1. Thoroughly mix and weigh 1.0g (±0.01g) sample.
Step 2. Add 10 mL of 1:1 HNO_3.
Step 3. Cover and heat at 95°C for 10 min.
Step 4. Cool and add 5 mL conc. HNO_3, cover and heat at 95 °C for 30 min.
Step 5. If brown fumes observed, repeat last step until no fumes are evolved.
Step 6. Reduce volume to approx. 5 mL or heat for 2 hours. → 23:10
Step 7. Cool and add 2 mL of water and 3 Ml of 30% H_2O_2.
Step 8. Heat until effervescence subsides.
Step 9. Cool and add 1 mL H_2O_2 with heat effervescence is minimal.
Step 10. Reduce volume to approx. 5 mL or heat for 2 hours. → [illegible]:00 /
Step 11. Add 10 mL of conc. HCl and heat for 15 min.
Step 12. Cool, rinse and filter sample with DI water.
Step 13. Dilute to100 mL with DI water and mix sample.

Redigestion required - Samples/Reason: _____
Requested By: _____ Date: _____ Completed By: _____ Date: _____

Digestate Chain-of-Custody:
Relinquished By: lcr Date: 10/20/00 Received By: lcr Date: 10/20/00

N:\inorganics\metals\forms\Q_prep
10/18/00

BOE-C6-0172829

STL Los Angeles
Précis
ICAP Data Summary Cover Sheet

Instrument ID: ICPT - M01 Analyst: ICP
Analytical Date: 11/01/00

Analysis by SOP: 6010B - 2007 - CORP-MT-0001 Rev 2

Data File: P110100

Batch	Lot/Project	Data Upload	Review/Release	Pkg.
0300538	EOJ260306 (Zn low)	11/02/00	11/06/00	—
0299295	EOJ200291 (DNJXV 2x)			—
	EOJ240121 (DNMHC 2x)			L3
0305473	EOJ300203		11/02/00	—
0304272	EOJ180165		11/06/00	L3
	EOJ250275			L3
	EOJ270306			L3
0300522	EOJ250140			L3
	EOJ250192			—
0304274	EOJ250276 part			L3
	EOJ260327 Ref	Ref	Ref	—
0306286	EOJ200278			—
	EOJ260321 Ref			—
	EOJ270318			—

Standards

Calibration Stds:	Lot #	Calibration Check Stds:	Lot #
1. Blank	101700-T1	ICV	100300-T4
2. STD1	101700-T2	CCV	101700-T5
3.		ICSA	101700-T7
4.		ICSAB 4.0	100500-T8
5.		5.	
6.		6.	

Notes/Comments:

001598

N:\metals\forms\dscs.doc
10/13/00

BOE-C6-0172830

	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	STDBLK	P110100	QTESTNAK	11/01/00	17:06		X	IR
2	STD1	P110100	QTESTNAK	11/01/00	17:13		X	IR
3	ICVHP	P110100	QTESTNAK	11/01/00	17:19	KT	S	CONC
4	ICB	P110100	QTESTNAK	11/01/00	17:27	KT	S	CONC
5	ICSA	P110100	QTESTNAK	11/01/00	17:33	KT	S	CONC
6	ICSAB4.0	P110100	QTESTNAK	11/01/00	17:39	KT	S	CONC
7	TEST-CRI	P110100	QTESTNAK	11/01/00	17:47	KT	S	CONC
8	DNV2N 10X	P110100	QTESTNAK	11/01/00	17:55	KT	S	CONC
9	DNJXV 2X	P110100	QTESTNAK	11/01/00	18:03	KT	S	CONC
10	DNMHC 2X	P110100	QTESTNAK	11/01/00	18:11	KT	S	CONC
11	DN5G4B-0305473	P110100	QTESTNAK	11/01/00	18:17	KT	S	CONC
12	DN5G4C	P110100	QTESTNAK	11/01/00	18:25	KT	S	CONC
13	DN3EN 5X	P110100	QTESTNAK	11/01/00	18:33	KT	S	CONC
14	DN3ENP 5X	P110100	QTESTNAK	11/01/00	18:41	KT	S	CONC
15	CCVT	P110100	QTESTNAK	11/01/00	18:47	KT	S	CONC
16	CCBT	P110100	QTESTNAK	11/01/00	19:00	KT	Q	CONC
17	DN3ENS 5X	P110100	QTESTNAK	11/01/00	19:06	KT	S	CONC
18	DN3END 5X	P110100	QTESTNAK	11/01/00	19:14	KT	S	CONC
19	DN2QGB-0304272	P110100	QTESTNAK	11/01/00	19:22	KT	S	CONC
20	DN2QGC	P110100	QTESTNAK	11/01/00	19:28	KT	S	CONC
21	DNCG1	P110100	QTESTNAK	11/01/00	19:36	KT	S	CONC
22	DNRCV	P110100	QTESTNAK	11/01/00	19:44	KT	S	CONC
23	DNRCVP	P110100	QTESTNAK	11/01/00	19:52	KT	S	CONC
24	DNRCVS	P110100	QTESTNAK	11/01/00	19:58	KT	S	CONC
25	DNRCVD	P110100	QTESTNAK	11/01/00	20:10	KT	S	CONC
26	DNRC2	P110100	QTESTNAK	11/01/00	20:18	KT	S	CONC
27	CCVT	P110100	QTESTNAK	11/01/00	20:26	KT	S	CONC
28	CCBT Tl	P110100	QTESTNAK	11/01/00	20:34	KT	Q	CONC
29	DNRC7	P110100	QTESTNAK	11/01/00	20:40	KT	S	CONC
30	DNRDL	P110100	QTESTNAK	11/01/00	20:46	KT	S	CONC
31	CCVT	P110100	QTESTNAK	11/01/00	21:01	KT	S	CONC
32	CCBT Se	P110100	QTESTNAK	11/01/00	21:13	KT	Q	CONC
33	DN2QGB-0304272	P110100	QTESTNAK	11/01/00	21:20	KT	S	CONC
34	DN2QGC	P110100	QTESTNAK	11/01/00	21:26	KT	S	CONC
35	DNCG1	P110100	QTESTNAK	11/01/00	21:34	KT	S	CONC
36	DNRCV	P110100	QTESTNAK	11/01/00	21:42	KT	S	CONC
37	DNRCVP	P110100	QTESTNAK	11/01/00	21:50	KT	S	CONC
38	DNRCVS	P110100	QTESTNAK	11/01/00	21:56	KT	S	CONC
39	DNRCVD	P110100	QTESTNAK	11/01/00	22:04	KT	S	CONC
40	DNRC2	P110100	QTESTNAK	11/01/00	22:12	KT	S	CONC
41	CCVT	P110100	QTESTNAK	11/01/00	22:21	KT	S	CONC
42	CCBT	P110100	QTESTNAK	11/01/00	22:29	KT	Q	CONC
43	DNRC7	P110100	QTESTNAK	11/01/00	22:35	KT	S	CONC
44	DNRDL	P110100	QTESTNAK	11/01/00	22:47	KT	S	CONC
45	DNRDN	P110100	QTESTNAK	11/01/00	22:55	KT	S	CONC
46	DNRDP	P110100	QTESTNAK	11/01/00	23:01	KT	S	CONC
47	DNRDQ	P110100	QTESTNAK	11/01/00	23:07	KT	S	CONC
48	DNRDW	P110100	QTESTNAK	11/01/00	23:15	KT	S	CONC
49	DNRD0	P110100	QTESTNAK	11/01/00	23:23	KT	S	CONC
50	DNRD4	P110100	QTESTNAK	11/01/00	23:31	KT	S	CONC
51	DNRD6	P110100	QTESTNAK	11/01/00	23:39	KT	S	CONC
52	DNREK	P110100	QTESTNAK	11/01/00	23:47	KT	S	CONC
53	CCVT	P110100	QTESTNAK	11/01/00	23:55	KT	S	CONC

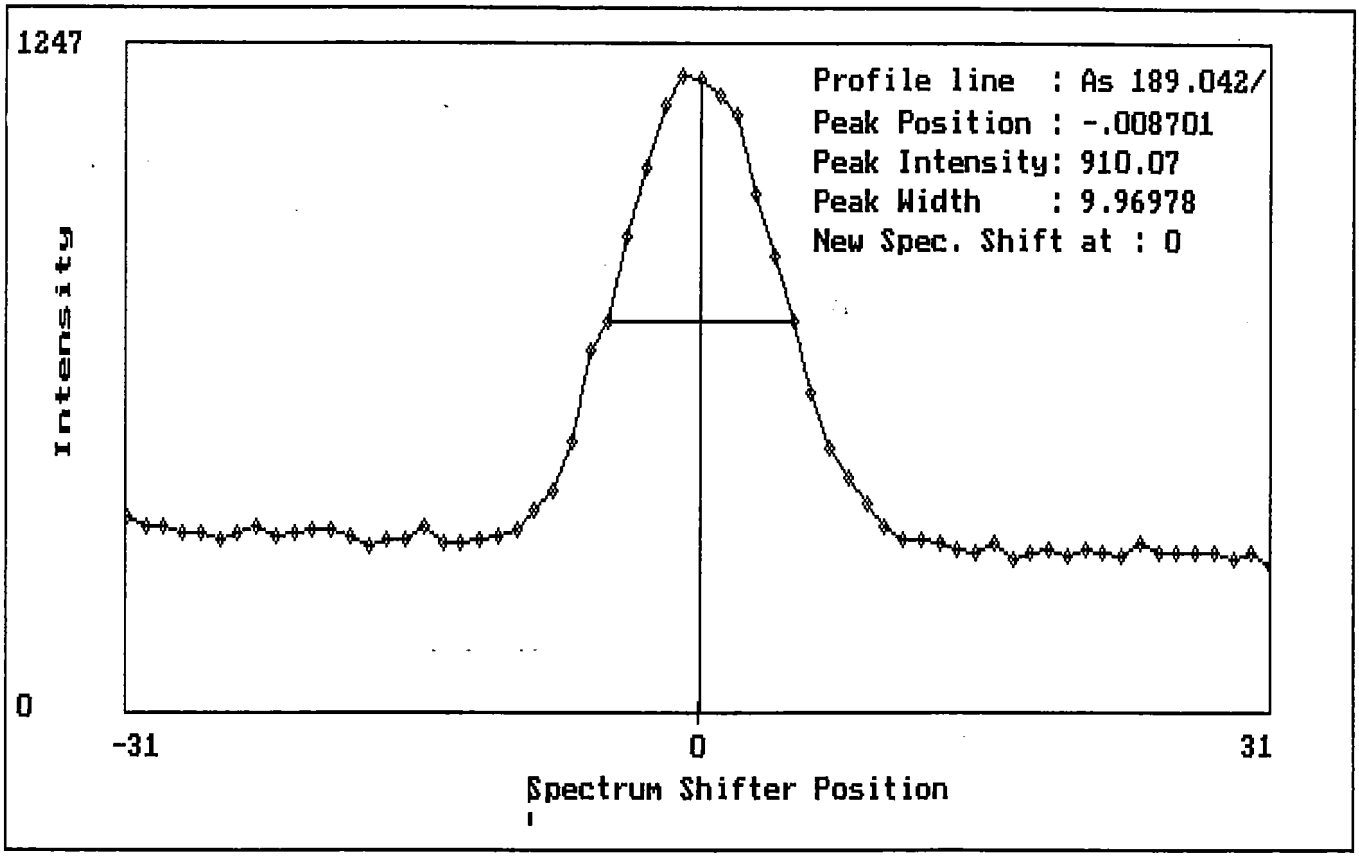
Ref for Tl

Ref

for Tl reporting

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
54	CCBT	P110100	QTESTNAK	11/02/00	00:03	KT	Q	CONC
55	DN0TG	P110100	QTESTNAK	11/02/00	00:09	KT	S	CONC
56	DN0TK	P110100	QTESTNAK	11/02/00	00:17	KT	S	CONC
57	DNWH4B-0300522	P110100	QTESTNAK	11/02/00	00:27	KT	S	CONC
58	DNWH4C	P110100	QTESTNAK	11/02/00	00:33	KT	S	CONC
59	DNPXX	P110100	QTESTNAK	11/02/00	00:41	KT	S	CONC
60	DNPXXP	P110100	QTESTNAK	11/02/00	00:49	KT	S	CONC
61	DNPXXS	P110100	QTESTNAK	11/02/00	00:55	KT	S	CONC
62	DNPXXD	P110100	QTESTNAK	11/02/00	01:03	KT	S	CONC
63	DNP03	P110100	QTESTNAK	11/02/00	01:11	KT	S	CONC
64	DNP1E	P110100	QTESTNAK	11/02/00	01:19	KT	S	CONC
65	CCVT	P110100	QTESTNAK	11/02/00	01:25	KT	S	CONC
66	CCBT'	P110100	QTESTNAK	11/02/00	01:35	KT	Q	CONC
67	DNP1H	P110100	QTESTNAK	11/02/00	01:41	KT	S	CONC
68	DNP2C	P110100	QTESTNAK	11/02/00	01:49	KT	S	CONC
69	DNP2H	P110100	QTESTNAK	11/02/00	01:55	KT	S	CONC
70	DNP2L	P110100	QTESTNAK	11/02/00	02:01	KT	S	CONC
71	DNP2Q	P110100	QTESTNAK	11/02/00	02:09	KT	S	CONC
72	DNP2X	P110100	QTESTNAK	11/02/00	02:17	KT	S	CONC
73	DNP24 Zn Ref	P110100	QTESTNAK	11/02/00	02:25	KT	S	CONC
74	DNP27	P110100	QTESTNAK	11/02/00	02:33	KT	S	CONC
75	DNP3N	P110100	QTESTNAK	11/02/00	02:41	KT	S	CONC
76	DNP3W	P110100	QTESTNAK	11/02/00	02:49	KT	S	CONC
77	CCVT	P110100	QTESTNAK	11/02/00	03:00	KT	S	CONC
8	CCBT'	P110100	QTESTNAK	11/02/00	03:08	KT	Q	CONC
9	DNP3X	P110100	QTESTNAK	11/02/00	03:14	KT	S	CONC
80	DNQFE	P110100	QTESTNAK	11/02/00	03:22	KT	S	CONC
81	DNQFR	P110100	QTESTNAK	11/02/00	03:28	KT	S	CONC
82	DNQGL	P110100	QTESTNAK	11/02/00	03:36	KT	S	CONC
83	DN2QRB-0304274	P110100	QTESTNAK	11/02/00	03:42	KT	S	CONC
84	DN2QRC	P110100	QTESTNAK	11/02/00	03:48	KT	S	CONC
85	DNRCJ	P110100	QTESTNAK	11/02/00	03:56	KT	S	CONC
86	DNRCJP	P110100	QTESTNAK	11/02/00	04:04	KT	S	CONC
87	DNRCJS	P110100	QTESTNAK	11/02/00	04:12	KT	S	CONC
88	DNRCJD	P110100	QTESTNAK	11/02/00	04:20	KT	S	CONC
89	CCVT	P110100	QTESTNAK	11/02/00	04:28	KT	S	CONC
90	CCBT'	P110100	QTESTNAK	11/02/00	04:38	KT	Q	CONC
91	DNRCN	P110100	QTESTNAK	11/02/00	04:44	KT	S	CONC
92	DNRCQ	P110100	QTESTNAK	11/02/00	04:52	KT	S	CONC
93	DNRCR	P110100	QTESTNAK	11/02/00	05:00	KT	S	CONC
94	DNRCW	P110100	QTESTNAK	11/02/00	05:08	KT	S	CONC
95	DNRCX	P110100	QTESTNAK	11/02/00	05:16	KT	S	CONC
96	DNRC0	P110100	QTESTNAK	11/02/00	05:22	KT	S	CONC
97	DNRC1	P110100	QTESTNAK	11/02/00	05:28	KT	S	CONC
98	DNRC3	P110100	QTESTNAK	11/02/00	05:34	KT	S	CONC
99	DNRC8 Ref	P110100	QTESTNAK	11/02/00	05:40	KT	S	CONC
100	DNRDC	P110100	QTESTNAK	11/02/00	05:46	KT	S	CONC
101	CCVT	P110100	QTESTNAK	11/02/00	05:52	KT	S	CONC
102	CCBT. Al, Fe	P110100	QTESTNAK	11/02/00	06:00	KT	Q	CONC
3	DNRDE	P110100	QTESTNAK	11/02/00	06:06	KT	S	CONC
4	DNRDG	P110100	QTESTNAK	11/02/00	06:12	KT	S	CONC
105	DNWD0	P110100	QTESTNAK	11/02/00	06:18	KT	S	CONC
106	DNWD8	P110100	QTESTNAK	11/02/00	06:26	KT	S	CONC
107	DNWEC	P110100	QTESTNAK	11/02/00	06:32	KT	S	CONC

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
108	DNWEF	P110100	QTESTNAK	11/02/00	06:38	KT	S	CONC
109	DNWEH	P110100	QTESTNAK	11/02/00	06:46	KT	S	CONC
110	DNWEK	P110100	QTESTNAK	11/02/00	06:52	KT	S	CONC
111	CCVT	P110100	QTESTNAK	11/02/00	06:58	KT	S	CONC
112	CCBT. Al Fe	P110100	QTESTNAK	11/02/00	07:06	KT	Q	CONC
113	DN6CQB-0306286	P110100	QTESTNAK	11/02/00	07:12	KT	S	CONC
114	DN6CQC	P110100	QTESTNAK	11/02/00	07:18	KT	S	CONC
115	DNJQK	P110100	QTESTNAK	11/02/00	07:26	KT	S	CONC
116	DNJQKP	P110100	QTESTNAK	11/02/00	07:32	KT	S	CONC
117	DNJQKS	P110100	QTESTNAK	11/02/00	07:40	KT	S	CONC
118	DNJQKD	P110100	QTESTNAK	11/02/00	07:50	KT	S	CONC
119	DNWDE	P110100	QTESTNAK	11/02/00	07:58	KT	S	CONC
120	DNWDG	P110100	QTESTNAK	11/02/00	08:06	KT	S	CONC
121	DNWDL	P110100	QTESTNAK	11/02/00	08:12	KT	S	CONC
122	DNWDN	P110100	QTESTNAK	11/02/00	08:18	KT	S	CONC
123	CCVT	P110100	QTESTNAK	11/02/00	08:26	KT	S	CONC
124	CCBT. Al Fe	P110100	QTESTNAK	11/02/00	08:34	KT	Q	CONC
125	DN00W	P110100	QTESTNAK	11/02/00	08:40	KT	S	CONC
126	DN001	P110100	QTESTNAK	11/02/00	08:48	KT	S	CONC
127	DN002 Ref	P110100	QTESTNAK	11/02/00	08:56	KT	S	CONC
128	DN003	P110100	QTESTNAK	11/02/00	09:04	KT	S	CONC
129	DN004	P110100	QTESTNAK	11/02/00	09:10	KT	S	CONC
130	DN005	P110100	QTESTNAK	11/02/00	09:18	KT	S	CONC
131	DN006	P110100	QTESTNAK	11/02/00	09:26	KT	S	CONC
2	DN008	P110100	QTESTNAK	11/02/00	09:34	KT	S	CONC
3	DN009	P110100	QTESTNAK	11/02/00	09:40	KT	S	CONC
134	DN01A	P110100	QTESTNAK	11/02/00	09:46	KT	S	CONC
135	CCVT	P110100	QTESTNAK	11/02/00	09:52	KT	S	CONC
136	CCBT,	P110100	QTESTNAK	11/02/00	10:00	KT	Q	CONC
137	DN01C	P110100	QTESTNAK	11/02/00	10:06	KT	S	CONC
138	CCVT	P110100	QTESTNAK	11/02/00	10:14	KT	S	CONC
139	CCBT,	P110100	QTESTNAK	11/02/00	10:22	KT	Q	CONC



11/01/00

~~10~~ 11/01/00

001602

Method: QTESTNAK Standard: STDBLK
Run Time: 11/01/00 17:06:54

Elem	Al3082	As1890	Ba4934	Be3130	Cd_tr	Ca3179	Cr_tr
Avge	.05605	-.00673	.00015	-.00583	.02615	.00269	.00478
SDev	.00021	.00528	.00021	.00021	.00486	.00000	.00085
%RSD	.37079	78.563	141.42	3.6325	18.581	.00633	17.684
#1	.05619	-.01046	.00000	-.00568	.02959	.00269	.00418
#2	.05590	-.00299	.00030	-.00598	.02272	.00269	.00538

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Mo2020	Ni2316
Avge	.00015	.00673	-.00060	.00030	.00045	.00030	.00030
SDev	.00021	.00021	.00127	.00085	.00021	.00042	.00000
%RSD	141.42	3.1364	212.12	282.82	47.135	141.42	.00634
#1	.00000	.00687	.00030	-.00030	.00060	.00000	.00030
#2	.00030	.00658	-.00149	.00090	.00030	.00060	.00030

Elem	Ag_tr	Na3302	Tl1908	Ti3349	V_2924	Zn2138	Sn1899
Avge	-.00269	-.00493	-.04932	-.00120	.00030	.00135	-.00060
SDev	.00127	.00063	.00127	.00000	.00042	.00021	.00042
%RSD	47.146	12.863	2.5776	.00634	141.42	15.720	70.715
#1	-.00179	-.00448	-.04842	-.00120	.00000	.00120	-.00030
#2	-.00359	-.00538	-.05022	-.00120	.00060	.00149	-.00090

Elem	2068_1	2068_2	2203_1	2203_2	1960_1	1960_2	B_2496
Avge	-.00747	.00269	.06382	.00209	-.00762	.00717	.0006
SDev	.00930	.00296	.04037	.00761	.00232	.00380	.0000
%RSD	124.45	110.00	63.254	363.69	30.497	53.038	.0063
#1	-.00090	.00060	.09236	.00747	-.00927	.00448	.0006
#2	-.01405	.00478	.03527	-.00329	-.00598	.00986	.0006

Elem	Sr4215	Si2881
Avge	.0000	.0445
SDev	.0000	.0021
%RSD	.0000	4.739
#1	.0000	.0460
#2	.0000	.0430

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6691	--	--	--	--	--	--
SDev	.4239879	--	--	--	--	--	--
%RSD	.0063368	--	--	--	--	--	--
#1	6691	--	--	--	--	--	--
#2	6691	--	--	--	--	--	--

Method: QTESTNAK Standard: STD1
Run Time: 11/01/00 17:13:19

Elem	Al3082	As1890	Ba4934	Be3130	Cd_tr	Ca3179	Cr_tr
Avge	13.953	4.1057	3.0567	12.940	39.538	5.2520	14.943
SDev	.003	.0121	.0131	.013	.127	.0070	.048
%RSD	.02327	.29383	.42760	.10421	.32036	.13326	.32385
#1	13.951	4.0971	3.0660	12.949	39.627	5.2570	14.977
#2	13.955	4.1142	3.0475	12.930	39.448	5.2471	14.909

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Mo2020	Ni2316
Avge	2.1364	2.4992	6.0994	30.524	6.0625	.80876	2.3975
SDev	.0091	.0003	.0006	.117	.0218	.01855	.0101
%RSD	.42770	.01038	.00969	.38471	.35966	2.2940	.41991
#1	2.1429	2.4993	6.0990	30.607	6.0779	.79564	2.4046
#2	2.1300	2.4990	6.0998	30.441	6.0470	.82188	2.3904

Elem	Ag_tr	Na3302	Tl1908	Ti3349	V_2924	Zn2138	Sn1899
Avge	6.4818	2.9169	3.9865	2.5618	2.5777	1.9617	.39110
SDev	.0041	.0040	.0006	.0059	.0016	.0085	.00205
%RSD	.06250	.13880	.01591	.22875	.06392	.43409	.52380
#1	6.4847	2.9141	3.9869	2.5576	2.5765	1.9677	.39255
#2	6.4790	2.9198	3.9860	2.5659	2.5789	1.9557	.38965

lem	2068_1	2068_2	2203_1	2203_2	1960_1	1960_2	B_2496
Avge	1.8692	.91118	9.7095	4.0624	.46827	.59757	.8226
SDev	.0030	.00499	.0529	.0006	.00298	.00869	.0005
%RSD	.15877	.54806	.54525	.01542	.63627	1.4540	.0636
#1	1.8671	.91471	9.7470	4.0619	.47038	.60371	.8229
#2	1.8713	.90765	9.6721	4.0628	.46617	.59142	.8222

Elem	Sr4215	Si2881
Avge	5.682	1.679
SDev	.027	.005
%RSD	.4715	.2779
#1	5.701	1.683
#2	5.664	1.676

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6466	--	--	--	--	--	--
SDev	23.02344	--	--	--	--	--	--
%RSD	.3560472	--	--	--	--	--	--
#1	6450	--	--	--	--	--	--
#2	6483	--	--	--	--	--	--

Standardization Report 11/01/00 05:19:12 PM page 1

Method: QTESTNAK Slope = Conc(SIR)/IR

Element	Wavelen	High std	Low std	Slope	Y-intercept	Date Standardized
Pb2203	220.353	NONE	NONE	.000000	.000000	*NOT STANDARDIZED
Se1960	196.026	NONE	NONE	.000000	.000000	*NOT STANDARDIZED
Sb2068	206.838	NONE	NONE	.000000	.000000	*NOT STANDARDIZED
Al3082	308.215	STD1	STDBLK	3.60763	-.202195	11/01/00 05:13:19
As1890	189.042	STD1	STDBLK	.243587	.001638	11/01/00 05:13:19
Ba4934	493.409	STD1	STDBLK	1.30864	-.000196	11/01/00 05:13:19
Be3130	313.042	STD1	STDBLK	.309186	.001802	11/01/00 05:13:19
Cd_tr	226.502	STD1	STDBLK	.025355	-.000663	11/01/00 05:13:19
Ca3179	317.933	STD1	STDBLK	38.1040	-.102509	11/01/00 05:13:19
Cr_tr	267.716	STD1	STDBLK	.267821	-.001281	11/01/00 05:13:19
Co2286	228.616	STD1	STDBLK	1.87732	-.000281	11/01/00 05:13:19
Cu3247	324.753	STD1	STDBLK	1.60443	-.010791	11/01/00 05:13:19
Fe2714	271.441	STD1	STDBLK	8.26532	.004942	11/01/00 05:13:19
Mg2790	279.078	STD1	STDBLK	6.54830	-.001958	11/01/00 05:13:19
Mn2576	257.610	STD1	STDBLK	.659848	-.000296	11/01/00 05:13:19
Mo2020	202.030	STD1	STDBLK	4.94141	-.001477	11/01/00 05:13:19
Ni2316	231.604	STD1	STDBLK	1.66862	-.000499	11/01/00 05:13:19
Ag_tr	328.068	STD1	STDBLK	.308631	.000830	11/01/00 05:13:19
Na3302	330.232	STD1	STDBLK	1.30989	.018224	11/01/00 05:13:19
Tl1908	190.864	STD1	STDBLK	.499960	.024659	11/01/00 05:13:19
Ti3349	334.941	STD1	STDBLK	1.56103	.001866	11/01/00 05:13:19
V_2924	292.402	STD1	STDBLK	1.55294	-.000464	11/01/00 05:13:19
Zn2138	213.856	STD1	STDBLK	2.05361	-.002762	11/01/00 05:13:19
Sn1899	189.989	STD1	STDBLK	10.2204	.006110	11/01/00 05:13:19
[illegible]68_1	206.831	STD1	STDBLK	.515047	.003849	11/01/00 05:13:19
2068_2	206.832	STD1	STDBLK	1.08812	-.002927	11/01/00 05:13:19
2203_1	220.351	STD1	STDBLK	.106969	-.006826	11/01/00 05:13:19
2203_2	220.352	STD1	STDBLK	.241890	-.000506	11/01/00 05:13:19
1960_1	196.021	STD1	STDBLK	2.10999	.016083	11/01/00 05:13:19
1960_2	196.022	STD1	STDBLK	1.65556	-.011877	11/01/00 05:13:19
B_2496	249.678	STD1	STDBLK	4.86640	-.002909	11/01/00 05:13:19
Sr4215	421.552	STD1	STDBLK	.703916	.000000	11/01/00 05:13:19
Si2881	288.158	STD1	STDBLK	2.44660	-.108967	11/01/00 05:13:19

Analysis Report 11/01/00 05:25:41 PM

Method: QTESTNAK Sample Name: ICVHP Operator: KT
Run Time: 11/01/00 17:19:49
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0051	.99443	.99764	10.044	.99207	1.0043	1.0261
SDev	.0001	.00283	.00146	.026	.00240	.0009	.0001
%RSD	.00845	.28479	.14687	.26220	.24154	.08494	.01111
#1	1.0051	.99643	.99660	10.063	.99377	1.0037	1.0260
#2	1.0050	.99242	.99867	10.026	.99038	1.0049	1.0262
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.1000	1.1000	1.1000	11.000	1.1000	1.1000	1.1000
Low	.90000	.90000	.90000	9.0000	.90000	.90000	.90000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0085	41.109	1.0213	1.0091	.98218	10.199	39.233
SDev	.0035	.000	.0020	.0014	.00272	.016	.010
%RSD	.34839	.00110	.19817	.13995	.27703	.15638	.02611
#1	1.0060	41.109	1.0198	1.0081	.98410	10.210	39.226
#2	1.0110	41.109	1.0227	1.0101	.98026	10.187	39.240
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.1000	44.000	1.1000	1.1000	1.1000	11.000	44.000
Low	.90000	36.000	.90000	.90000	.90000	9.0000	36.000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0317	1.0005	1.0300	.39073	39.507	5.2038	1.0245
SDev	.0011	.0238	.0007	.00112	.107	.0214	.0011
%RSD	.10801	2.3789	.06996	.28717	.26971	.41214	.10370
#1	1.0309	.98363	1.0295	.39152	39.583	5.1886	1.0252
#2	1.0325	1.0173	1.0305	.38994	39.432	5.2190	1.0237
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	1.1000	1.1000	1.1000	.44000		5.5000	1.1000
Low	.90000	.90000	.90000	.36000		4.5000	.90000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	1.0135	1.0053	.98833	.99448	1.0040	1.0069	1.0042
SDev	.0001	.0008	.00517	.00591	.0074	.0000	.0001
%RSD	.00493	.07825	.52292	.59438	.74100	.00175	.01180
#1	1.0135	1.0048	.98468	.99030	1.0092	1.0069	1.0042
#2	1.0134	1.0059	.99199	.99866	.99870	1.0069	1.0041
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	1.1000	1.1000	1.1000				
Low	.90000	.90000	.90000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.99073	.99627	.9879	1.009	L.8818
SDev	.00223	.00313	.0038	.001	.0029
%RSD	.22490	.31453	.3860	.1153	.3297
#1	.99231	.99849	.9852	1.009	L.8839
#2	.98915	.99405	.9906	1.010	L.8798
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	LC Low
High			1.100		1.100
Low			.9000		.9000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6665	--	--	--	--	--	--
SDev	9.079141	--	--	--	--	--	--
%RSD	.1362257	--	--	--	--	--	--
#1	6658	--	--	--	--	--	--
#2	6671	--	--	--	--	--	--

Method: QTESTNAK Sample Name: ICB Operator: KT
Run Time: 11/01/00 17:27:52
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00098	-.00134	.00230	.01536	-.00112	.00019	.00005
SDev	.00108	.00478	.00298	.00852	.00380	.00000	.00000
%RSD	110.36	356.46	129.56	55.447	339.25	.14711	2.5075
#1	.00174	.00204	.00019	.00934	.00157	.00019	.00005
#2	.00021	-.00472	.00441	.02139	-.00380	.00019	.00005
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.00500	.06000	.20000	.01000	.02000	.00500
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00057	.00528	-.00016	-.00000	-.00076	.00372	.00778
SDev	.00011	.00810	.00068	.00039	.00067	.01215	.00277
%RSD	19.608	153.32	410.50	22470.	88.229	326.94	35.600
#1	-.00049	-.00044	.00031	.00028	-.00029	.01231	.00973
#2	-.00065	.01101	-.00064	-.00028	-.00123	-.00487	.00582
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00010	-.00074	-.00025	-.00023	.14021	.00330	.00024
SDev	.00000	.00104	.00176	.00006	.09276	.00304	.00033
%RSD	.14489	140.43	699.86	28.387	66.161	92.105	137.70
#1	-.00010	-.00001	.00099	-.00027	.07462	.00115	.00047
#2	-.00010	-.00148	-.00149	-.00018	.20581	.00544	.00001
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.01500	.04000	.04000	.01000	5.0000	.01000	.05000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	-.00046	-.00032	.00154	.00370	-.00050	-.00054	.00173
SDev	.00000	.00001	.00215	.00367	.00160	.00161	.00081
%RSD	.01439	3.1916	139.58	99.203	319.03	299.65	46.837
#1	-.00046	-.00032	.00307	.00111	-.00163	.00060	.00230
#2	-.00046	-.00031	.00002	.00630	.00063	-.00167	.00116
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.05000	.02000	.10000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.00245	-.00079	.0022	.0000	<.0000
SDev	.00310	.00871	.0010	.0000	.0001
%RSD	126.33	1107.6	47.55	.0000	1.205
#1	-.00464	.00537	.0014	.0000	<.0000
#2	-.00026	-.00695	.0029	.0000	<.0000
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			.2000	.0500	.5000
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6716	--	--	--	--	--	--
SDev	4.921435	--	--	--	--	--	--
%RSD	.0732740	--	--	--	--	--	--
#1	6720	--	--	--	--	--	--
#2	6713	--	--	--	--	--	--

Analysis Report 11/01/00 05:39:39 PM

Method: QTESTNAK Sample Name: ICSA Operator: KT
Run Time: 11/01/00 17:33:48
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00524	-.00882	.00229	512.62	.00408	.00107	.00016
SDev	.00323	.00588	.00595	.38	.00016	.00000	.00007
%RSD	61.637	66.673	260.23	.07399	3.9326	.17765	41.628
#1	.00296	-.00466	-.00192	512.35	.00420	.00107	.00012
#2	.00753	L-.01298	.00650	512.89	.00397	.00107	.00021
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.01000	.01000	.06000	600.00	.02000	.02000	.01000
Low	-.01000	-.01000	-.06000	400.00	-.02000	-.02000	-.01000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00337	487.00	-.00270	-.00024	-.00468	196.97	506.63
SDev	.00019	.22	.00043	.00000	.00001	.28	.97
%RSD	5.5851	.04604	15.830	.03520	.21854	.13964	.19215
#1	.00350	486.84	-.00301	-.00024	-.00469	196.78	505.94
#2	.00323	487.16	-.00240	-.00024	-.00467	197.17	507.32
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.01000	600.00	.02000	.05000	.02500	240.00	600.00
Low	-.01000	400.00	-.02000	-.05000	-.02500	160.00	400.00

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00284	.00887	.00004	-.00096	.10248	.00066	-.00115
SDev	.00000	.00673	.00076	.00014	.12029	.00154	.00000
%RSD	.13451	75.844	1969.9	14.425	117.37	233.31	.40291
#1	-.00284	.01363	-.00050	-.00105	.18754	-.00043	-.00114
#2	-.00285	.00412	.00058	-.00086	.01743	.00175	-.00115
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.01500	.04000	.04000	.02000	5.0000	.02000	.05000
Low	-.01500	-.04000	-.04000	-.02000	-5.0000	-.02000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	-.00267	-.00225	-.00670	.00362	-.00038	-.05001	.03282
SDev	.00071	.00047	.00464	.00709	.00367	.00617	.00176
%RSD	26.653	20.829	69.242	195.92	959.25	12.341	5.3705
#1	-.00217	-.00192	-.00998	-.00139	-.00298	-.05437	.03158
#2	-.00318	-.00258	-.00342	.00863	.00221	-.04564	.03407
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.05000	.02000	.10000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.00929	-.00859	.0073	.0152	.0052
SDev	.01539	.00114	.0011	.0000	.0009
%RSD	165.55	13.238	15.44	.1501	18.27
#1	.00159	-.00778	.0065	.0152	.0058
#2	-.02017	-.00939	.0081	.0152	.0045
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			.2000	.0500	.5000
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6217	--	--	--	--	--	--
SDev	9.333602	--	--	--	--	--	--
%RSD	.1501274	--	--	--	--	--	--
#1	6224	--	--	--	--	--	--
#2	6211	--	--	--	--	--	--

Method: QTESTNAK Sample Name: ICSAB4.0 Operator: KT
Run Time: 11/01/00 17:39:43
ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05475	.04722	.63201	513.10	.10380	.51566	.51943
SDev	.00146	.00003	.00241	.52	.00444	.00095	.00032
%RSD	2.6763	.06545	.38105	.10092	4.2780	.18484	.06235
#1	.05579	.04724	.63030	513.46	.10694	.51633	.51920
#2	.05372	.04720	.63371	512.73	.10066	.51498	.51966
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.06000	.06000	.72000	600.00	.12000	.60000	.60000
Low	.04000	.04000	.48000	400.00	.08000	.40000	.40000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.98524	486.69	.49329	.50260	.53811	196.83	504.84
SDev	.00266	.07	.00099	.00021	.00034	.11	.50
%RSD	.27000	.01367	.20061	.04288	.06242	.05646	.09976
#1	.98336	486.64	.49399	.50275	.53834	196.90	505.20
#2	.98712	486.74	.49259	.50244	.53787	196.75	504.49
rrors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
igh	1.2000	600.00	.60000	.60000	.60000	240.00	600.00
Low	.80000	400.00	.40000	.40000	.40000	160.00	400.00

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50416	1.0165	.99214	.21030	H12.959	.09674	-.00074
SDev	.00019	.0200	.00429	.00034	.230	.01128	.00000
%RSD	.03843	1.9662	.43214	.16035	1.7741	11.659	.45822
#1	.50430	1.0023	.99517	.21054	H13.122	.08876	-.00074
#2	.50403	1.0306	.98911	.21006	H12.797	.10471	-.00074
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass
High	.60000	1.2000	1.2000	.24000	12.000	.12000	.10000
Low	.40000	.80000	.80000	.16000	8.0000	.08000	-.10000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.48812	1.0338	.00312	.62798	.64006	.00121	.08149
SDev	.00237	.0009	.00463	.00407	.00091	.00281	.00079
%RSD	.48628	.08386	148.38	.64759	.14278	232.14	.97283
#1	.48980	1.0344	.00640	.62511	.64071	.00320	.08205
#2	.48644	1.0332	-.00015	.63086	.63942	-.00078	.08093
rrors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.60000	1.2000	.20000				
Low	.40000	.80000	-.20000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.03180	.05492	.0103	.0151	<.0000
SDev	.00523	.00266	.0011	.0000	.0001
%RSD	16.453	4.8402	10.50	.1273	8.587
#1	.02810	.05680	.0096	.0151	<.0000
#2	.03549	.05304	.0111	.0151	<.0000
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			.4000	.1000	1.000
Low			-.4000	-.1000	-1.000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6243	--	--	--	--	--	--
SDev	7.947700	--	--	--	--	--	--
%RSD	.1273013	--	--	--	--	--	--
#1	6238	--	--	--	--	--	--
#2	6249	--	--	--	--	--	--

Method: QTESTNAK Sample Name: TEST-CRI Operator: KT
Run Time: 11/01/00 17:47:46
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00611	.00776	.02176	.42340	L.01472	.01970	.01000
SDev	.00079	.00050	.00010	.00737	.00153	.00021	.00004
%RSD	12.959	6.3970	.47669	1.7403	10.409	1.0519	.36975
#1	.00555	.00812	.02183	.42861	L.01364	.01955	.00997
#2	.00667	L.00741	.02168	.41819	.01581	.01984	.01002
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Pass	LC Pass
High	.00750	.01250	.02500	.50000	.02500	.02500	.01250
Low	.00450	.00750	.01500	.30000	.01500	.01500	.00750

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00402	10.154	.01005	.09834	.04792	.21567	9.3959
SDev	.00007	.018	.00002	.00033	.00019	.00589	.0639
%RSD	1.6904	.17814	.18209	.33252	.40704	2.7294	.68045
#1	.00407	10.167	.01004	.09857	.04806	.21983	9.4412
#2	.00397	10.142	.01007	.09811	.04779	.21151	9.3507
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	12.500	.01250	.12500	.06250	.25000	12.500
Low	.00300	7.5000	.00750	.07500	.03750	.15000	7.5000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03087	.07950	.08126	.00955	10.063	H.02969	.00048
SDev	.00010	.00076	.00043	.00029	.115	.00304	.00001
%RSD	.33463	.95913	.52368	3.0012	1.1461	10.250	.94997
#1	.03094	.07896	.08096	.00975	9.9812	H.03185	.00048
#2	.03080	.08004	.08156	.00935	10.144	H.02754	.00049
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC High	NOCHECK
High	.03750	.10000	.10000	.01250		.02500	
Low	.02250	.06000	.06000	.00750		.01500	

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.09675	.03896	L.00308	.02060	.02408	.00346	.00744
SDev	.00033	.00029	.00001	.00091	.00151	.00152	.00043
%RSD	.33771	.74248	.33304	4.4095	6.2599	44.029	5.7518
#1	.09652	.03875	L.00307	.02124	.02302	.00238	.00713
#2	.09698	.03916	L.00309	.01995	.02515	.00453	.00774
Errors	LC Pass	LC Pass	LC Low	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.12500	.05000	.25000				
Low	.07500	.03000	.15000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.01041	.00645	L.0014	L.0003	L.0903
SDev	.00002	.00075	.0000	.0001	.0106
%RSD	.18011	11.697	1.020	46.85	11.70
#1	.01039	.00698	L.0014	L.0002	L.0829
#2	.01042	.00591	L.0014	L.0004	L.0978
Errors	NOCHECK	NOCHECK	LC Low	LC Low	LC Low
High			.5000	.1250	1.250
Low			.3000	.0750	.7500

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6776	--	--	--	--	--	--
SDev	22.45789	--	--	--	--	--	--
%RSD	.3314564	--	--	--	--	--	--
#1	6760	--	--	--	--	--	--
#2	6791	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: DNV2N 10X Operator: KT
Run Time: 11/01/00 17:55:48
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.13714	.00258	.01183	3.6638	.01653	.64095	.00014
SDev	.00739	.00163	.00174	.1355	.00412	.02789	.00000
%RSD	5.3925	63.073	14.666	3.6971	24.927	4.3506	2.7064
#1	.14237	.00143	.01061	3.7596	.01944	.66067	.00014
#2	.13191	.00374	.01306	3.5680	.01361	.62123	.00015
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05924	24.517	.06279	.00466	.45250	4.9767	4.0553
SDev	.00266	.912	.00226	.00118	.01707	.1899	.1893
%RSD	4.4845	3.7180	3.5971	25.332	3.7724	3.8167	4.6688
#1	.06111	25.161	.06438	.00549	.46458	5.1110	4.1891
#2	.05736	23.872	.06119	.00382	.44043	4.8424	3.9214
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.11931	.01735	.03118	.00063	166.36	.00794	.13105
SDev	.00549	.00109	.00076	.00013	5.60	.00369	.00418
%RSD	4.6052	6.2922	2.4445	20.622	3.3647	46.535	3.1914
#1	.12319	.01812	.03172	.00054	170.32	.00532	.13401
#2	.11542	.01658	.03064	.00073	162.41	.01055	.12810
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.01289	1.6329	.00437	.01337	.00876	.13314	.13914
SDev	.00100	.0747	.00213	.00398	.00276	.00803	.00708
%RSD	7.7265	4.5730	48.795	29.750	31.475	6.0337	5.0861
#1	.01359	1.6857	.00588	.01056	.01070	.13883	.14414
#2	.01218	1.5801	.00286	.01618	.00681	.12746	.13414
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
vge	.00219	.00278	.1010	.1208	8.194
SDev	.00092	.00198	.0022	.0054	.350
%RSD	41.924	71.381	2.223	4.474	4.267
#1	.00154	.00138	.1026	.1246	8.441
#2	.00284	.00419	.0994	.1170	7.946
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6742	--	--	--	--	--	--
SDev	13.23719	--	--	--	--	--	--
%RSD	.1963381	--	--	--	--	--	--
#1	6733	--	--	--	--	--	--
#2	6751	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: DNJXV 2X Operator: KT
Run Time: 11/01/00 18:03:51
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03801	.00118	.00417	98.511	.02481	1.4100	.00299
SDev	.00019	.00062	.00215	.367	.00068	.0041	.00000
%RSD	.49286	52.101	51.529	.37206	2.7547	.29395	.03800
#1	.03814	.00075	.00265	98.770	.02529	1.4129	.00299
#2	.03788	.00162	.00569	98.252	.02433	1.4070	.00299
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00324	459.30	.14043	.05204	.22542	126.59	81.681
SDev	.00002	1.85	.00007	.00075	.00095	.43	.332
%RSD	.63564	.40316	.05192	1.4351	.42005	.34314	.40633
#1	.00326	460.61	.14037	.05257	.22609	126.89	81.915
#2	.00323	457.99	.14048	.05151	.22475	126.28	81.446
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.3459	.00526	.14383	-.00128	13.918	.00419	5.5083
SDev	.0065	.00219	.00043	.00013	.175	.00309	.0134
%RSD	.27510	41.598	.29897	10.470	1.2604	73.572	.24381
#1	2.3505	.00680	.14352	-.00118	13.794	.00201	5.5178
#2	2.3414	.00371	.14413	-.00137	14.042	.00637	5.4988
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.19705	.32619	.00585	.00599	.00053	.02954	.04224
SDev	.00089	.00112	.00002	.00169	.00306	.00280	.00168
%RSD	.45082	.34466	.41053	28.270	579.61	9.4874	3.9779
#1	.19768	.32699	.00584	.00479	-.00164	.02756	.04343
#2	.19643	.32540	.00587	.00718	.00269	.03153	.04105
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
vge	-.00645	.00500	.0574	4.140	5.037
SDev	.00137	.00161	.0011	.012	.016
%RSD	21.224	32.194	1.884	.2984	.3194
#1	-.00548	.00386	.0567	4.149	5.048
#2	-.00742	.00613	.0582	4.131	5.025
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6532	--	--	--	--	--	--
SDev	3.111546	--	--	--	--	--	--
%RSD	.0476331	--	--	--	--	--	--
#1	6535	--	--	--	--	--	--
#2	6530	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: DNMHC 2X Operator: KT
Run Time: 11/01/00 18:11:54
mment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03075	L-.00541	.00615	100.80	.02948	1.5672	.00316
SDev	.00312	.00110	.00069	.21	.00391	.0030	.00000
%RSD	10.140	20.352	11.166	.21145	13.271	.18899	.00973
#1	.02855	L-.00619	.00566	100.96	.02671	1.5651	.00316
#2	.03296	-.00463	.00663	100.65	.03224	1.5693	.00316
Errors	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00329	520.75	.14642	.05185	.14187	118.04	116.20
SDev	.00026	.25	.00048	.00084	.00036	.06	.16
%RSD	7.9328	.04708	.32507	1.6216	.25162	.04672	.13931
#1	.00310	520.57	.14609	.05126	.14161	118.08	116.09
#2	.00347	520.92	.14676	.05245	.14212	118.00	116.31
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.7867	.00222	.13057	-.00016	20.380	.00509	6.0408
SDev	.0022	.00106	.00037	.00092	.162	.00494	.0131
%RSD	.12093	47.966	.28384	568.14	.79733	97.024	.21650
#1	1.7852	.00297	.13031	-.00082	20.265	.00858	6.0500
#2	1.7882	.00147	.13083	.00049	20.495	.00160	6.0315
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.20206	.25821	.00116	.00721	.00403	.02351	.03437
SDev	.00030	.00003	.00218	.00022	.00163	.00614	.00161
%RSD	.14803	.01085	187.67	3.0105	40.382	26.123	4.6819
#1	.20227	.25819	.00270	.00705	.00288	.01916	.03323
#2	.20184	.25823	-.00038	.00736	.00518	.02785	.03551
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.01031	-.00296	.0450	3.921	.5861
SDev	.00090	.00210	.0010	.006	.0006
%RSD	8.7431	70.944	2.306	.1448	.1015
#1	-.00967	-.00444	.0457	3.917	.5856
#2	-.01095	-.00148	.0442	3.925	.5865
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6607	--	--	--	--	--	--
SDev	.6787949	--	--	--	--	--	--
%RSD	.0102732	--	--	--	--	--	--
#1	6608	--	--	--	--	--	--
#2	6607	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DN5G4B-0305473 Operator: KT
Run Time: 11/01/00 18:17:49
Comment:
Mode; CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00040	-.00272	.00327	.05661	-.00073	.00020	-.00000
SDev	.00034	.00600	.00208	.01047	.00283	.00000	.00006
%RSD	84.051	220.74	63.538	18.491	387.18	.18687	37970.
#1	.00064	L-.00696	.00180	.06402	-.00273	.00020	-.00004
#2	.00016	.00152	.00474	.04921	.00127	.00020	.00004
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.00500	.06000	.20000	.01000	.02000	.00500
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00003	.06265	.00104	-.00029	-.00120	.03707	.01567
SDev	.00013	.00790	.00034	.00000	.00069	.01047	.00003
%RSD	402.85	12.611	32.891	.50708	57.360	28.247	.22147
#1	.00006	.06823	.00080	-.00029	-.00168	.04448	.01565
#2	-.00013	.05706	.00128	-.00028	-.00071	.02967	.01570
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00030	.00074	.00000	.00055	.21251	.00359	.00187
SDev	.00000	.00104	.00071	.00013	.11477	.00484	.00066
%RSD	.18685	140.75	201320.	23.639	54.008	134.69	35.371
#1	.00030	.00000	-.00050	.00065	.13135	.00017	.00233
#2	.00030	.00148	.00050	.00046	.29366	.00701	.00140
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.01500	.04000	.04000	.01000	5.0000	.01000	.05000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.00023	.00399	H.10845	.00491	-.00001	-.00185	.00153
SDev	.00099	.00000	.00639	.00334	.00045	.00246	.00174
%RSD	428.34	.05149	5.8871	68.026	3376.4	133.45	113.90
#1	-.00047	.00399	H.11297	.00255	.00030	-.00359	.00275
#2	.00093	.00399	H.10394	.00728	-.00033	-.00010	.00030
Errors	LC Pass	LC Pass	LC High	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.05000	.02000	.10000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.00473	-.00172	.0015	.0003	.0139
SDev	.00890	.00455	.0000	.0001	.0071
%RSD	188.23	265.50	.2803	47.06	51.27
#1	-.01102	-.00494	.0015	.0004	.0189
#2	.00156	.00150	.0015	.0002	.0089
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			.2000	.0500	.5000
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6691	--	--	--	--	--	--
SDev	6.251059	--	--	--	--	--	--
%RSD	.0934308	--	--	--	--	--	--
#1	6695	--	--	--	--	--	--
#2	6686	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DN5G4C Operator: KT
Run Time: 11/01/00 18:25:52
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50483	1.9116	.49613	1.9687	1.9370	2.0293	.05059
SDev	.00274	.0019	.00941	.0074	.0066	.0053	.00001
%RSD	.54244	.10136	1.8965	.37596	.34311	.26354	.02591
#1	.50289	1.9130	.48947	1.9739	1.9417	2.0255	.05060
#2	.50676	1.9102	.50278	1.9634	1.9323	2.0331	.05058
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.60000	2.4000	.60000	2.4000	2.4000	2.4000	.06000
Low	.40000	1.6000	.40000	1.6000	1.6000	1.6000	.04000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05316	L.04569	.20942	.53149	.25237	1.0522	L.01633
SDev	.00039	.00024	.00023	.00153	.00145	.0156	.00162
%RSD	.72703	.52202	.11150	.28879	.57262	1.4815	9.9014
#1	.05343	L.04586	.20926	.53041	.25339	1.0412	L.01519
#2	.05289	L.04552	.20959	.53258	.25135	1.0633	L.01748
Errors	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	.06000	60.000	.24000	.60000	.30000	1.2000	60.000
Low	.04000	40.000	.16000	.40000	.20000	.80000	40.000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.52080	1.0038	.52780	.04908	.27162	2.0130	L.00088
SDev	.00140	.0120	.00198	.00001	.34297	.0123	.00000
%RSD	.26940	1.1963	.37577	.02646	126.27	.61076	.16382
#1	.51981	.99535	.52640	.04909	.02911	2.0043	L.00088
#2	.52180	1.0123	.52921	.04907	.51414	2.0217	L.00089
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Low
High	.60000	1.2000	.60000	.06000		2.4000	1.2000
Low	.40000	.80000	.40000	.04000		1.6000	.80000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.50266	.50136	L.01065	.49669	.49499	.50305	.50571
SDev	.00085	.00179	.00216	.01008	.00806	.00773	.00025
%RSD	.16840	.35618	20.278	2.0297	1.6288	1.5355	.04924
#1	.50206	.50010	L.00912	.48956	.48929	.49759	.50554
#2	.50325	.50262	L.01217	.50382	.50070	.50852	.50589
Errors	LC Pass	LC Pass	LC Low	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.60000	.60000	2.4000				
Low	.40000	.40000	1.6000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	1.8824	1.9261	.0051	L.0000	L.0473
SDev	.0003	.0027	.0010	.0000	.0003
%RSD	.01648	.14278	20.42	.0000	.5297
#1	1.8826	1.9281	.0059	L.0000	L.0475
#2	1.8822	1.9242	.0044	L.0000	L.0471
Errors	NOCHECK	NOCHECK	NOCHECK	LC Low	LC Low
High				1.200	12.00
Low				.8000	8.000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6671	--	--	--	--	--	--
SDev	10.69119	--	--	--	--	--	--
%RSD	.1602724	--	--	--	--	--	--
#1	6663	--	--	--	--	--	--
#2	6678	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: DN3EN 5X Operator: KT
Run Time: 11/01/00 18:33:54
Comment:
Mode; CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00117	.00103	.00201	1.6739	.00025	.04229	.00009
SDev	.00002	.00425	.00196	.0076	.00069	.00060	.00000
%RSD	1.8566	412.71	97.346	.45238	269.28	1.4100	.76066
#1	-.00115	-.00198	.00339	1.6792	-.00023	.04271	.00009
#2	-.00118	.00404	.00063	1.6685	.00074	.04187	.00009
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00046	56.996	.00099	-.00057	.14991	.12509	9.9264
SDev	.00015	.180	.00047	.00041	.00081	.01624	.0920
%RSD	32.329	.31556	46.846	71.135	.53831	12.982	.92657
#1	-.00057	57.123	.00132	-.00086	.15048	.13657	9.9915
#2	-.00036	56.869	.00066	-.00028	.14934	.11361	9.8614
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02173	.00762	.00512	.00494	587.42	.01013	.00115
SDev	.00030	.00001	.00000	.00047	2.12	.00152	.00034
%RSD	1.3853	.10417	.07605	9.4137	.36120	15.022	29.368
#1	.02195	.00762	.00513	.00461	588.92	.00905	.00139
#2	.02152	.00761	.00512	.00527	585.91	.01120	.00091
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.00524	.01777	.00608	.00496	-.00390	-.00364	.00006
SDev	.00067	.00001	.00443	.00058	.00471	.00059	.00026
%RSD	12.769	.06662	72.766	11.687	120.77	16.169	416.45
#1	.00477	.01778	.00921	.00537	-.00057	-.00322	-.00012
#2	.00572	.01776	.00295	.00455	-.00723	-.00405	.00025
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.00117	.00096	.0806	.4096	.7599
SDev	.00275	.00500	.0001	.0033	.0107
%RSD	234.62	521.37	.0718	.8136	1.404
#1	-.00077	-.00258	.0806	.4120	.7675
#2	.00312	.00450	.0805	.4073	.7524
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6530	--	--	--	--	--	--
SDev	4.525415	--	--	--	--	--	--
%RSD	.0693040	--	--	--	--	--	--
#1	6527	--	--	--	--	--	--
#2	6533	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DN3ENP 5X Operator: KT
Run Time: 11/01/00 18:41:57
Comment:
Mode: CONC Corr. Factor: 5

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.00181	L.00336	L.00742	1.7921	L-.00511	.04404	L.00022
SDev	.00461	.01485	.02180	.0430	.01417	.00278	.00000
%RSD	253.87	442.05	293.93	2.3980	277.46	6.3211	1.5115
#1	L.00144	L-.00714	L-.00800	1.8225	L.00491	.04601	L.00022
#2	L-.00507	L.01386	L.02283	1.7617	L-.01512	.04207	L.00022
Errors	LC Low	LC Low	LC Low	LC Pass	LC Low	LC Pass	LC Low
High	55.000	11.000	5.5000	550.00	11.000	11.000	5.5000
Low	.07500	.17000	.10000	.63000	.24500	.01000	.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.00174	58.103	L.00078	L-.00141	.14523	L.24721	10.338
SDev	.00097	1.592	.00113	.00000	.00686	.00009	.551
%RSD	55.353	2.7403	144.70	.00027	4.7225	.03551	5.3266
#1	L-.00243	59.229	L-.00002	L-.00141	.15008	L.24727	10.728
#2	L-.00106	56.977	L.00158	L-.00141	.14039	L.24715	9.9489
Errors	LC Low	LC Pass	LC Low	LC Low	LC Pass	LC Low	LC Pass
High	11.000	550.00	55.000	110.00	55.000	1100.0	1100.0
Low	.01500	.38500	.02000	.03500	.04000	.66500	.19000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02270	L.00372	L.00250	L.00830	673.00	L.03508	L.00233
SDev	.00071	.00522	.00000	.00131	21.00	.00850	.00000
%RSD	3.1116	140.20	.07018	15.742	3.1201	24.223	.09518
#1	.02320	L.00003	L.00250	L.00923	687.85	L.02907	L.00233
#2	.02220	L.00742	L.00250	L.00738	658.15	L.04109	L.00233
Errors	LC Pass	LC Low	LC Low	LC Low	NOCHECK	LC Low	LC Low
High	27.500	27.500	110.00	2.2000		22.000	55.000
Low	.01000	.10500	.05500	.03000		.23500	.01500

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	L.00464	L.02896	L.01523	.00665	.00896	-.00838	.00146
SDev	.00000	.00001	.00001	.03324	.00112	.01022	.00180
%RSD	.00693	.03406	.03949	500.13	12.563	122.04	123.18
#1	L.00464	L.02897	L.01523	-.01686	.00975	-.00115	.00274
#2	L.00464	L.02895	L.01523	.03015	.00816	-.01560	.00019
Errors	LC Low	LC Low	LC Low	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	.02000	.03500	.46000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.01274	.01140	.0801	.4259	.7616
SDev	.02012	.01222	.0206	.0232	.0522
%RSD	157.96	107.28	25.75	5.454	6.856
#1	-.02696	.00275	.0947	.4423	.7985
#2	.00149	.02004	.0655	.4095	.7247
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			55.00	5.500	55.00
Low			.0550	.0050	.2400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6686	--	--	--	--	--	--
SDev	2.347815	--	--	--	--	--	--
%RSD	.0351163	--	--	--	--	--	--
#1	6684	--	--	--	--	--	--
#2	6687	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: CCVT Operator: KT
Run Time: 11/01/00 18:47:52
mment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49877	.49247	.49466	24.619	.49012	1.9904	2.0201
SDev	.00198	.00268	.00186	.018	.00151	.0058	.0017
%RSD	.39628	.54329	.37576	.07462	.30765	.29325	.08419
#1	.50017	.49058	.49334	24.632	.48905	1.9863	2.0213
#2	.49737	.49436	.49597	24.606	.49118	1.9945	2.0189
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	.55000	.55000	27.500	.55000	2.2000	2.2000
Low	.45000	.45000	.45000	22.500	.45000	1.8000	1.8000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50143	101.16	1.9964	1.9953	1.9753	25.150	97.730
SDev	.00087	.15	.0078	.0060	.0007	.057	.263
%RSD	.17333	.14497	.39193	.30040	.03461	.22502	.26879
#1	.50081	101.27	1.9909	1.9911	1.9758	25.110	97.545
#2	.50204	101.06	2.0020	1.9996	1.9748	25.190	97.916
rrors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
igh	.55000	110.00	2.2000	2.2000	2.2000	27.500	110.00
Low	.45000	90.000	1.8000	1.8000	1.8000	22.500	90.000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.9986	1.9773	2.0109	.98665	50.599	.99047	1.9748
SDev	.0073	.0513	.0080	.00053	.279	.01250	.0093
%RSD	.36620	2.5935	.39781	.05427	.55230	1.2616	.46919
#1	1.9935	1.9411	2.0053	.98703	50.797	.98163	1.9683
#2	2.0038	2.0136	2.0166	.98627	50.402	.99930	1.9814
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	2.2000	2.2000	2.2000	1.1000		1.1000	2.2000
Low	1.8000	1.8000	1.8000	.90000		.90000	1.8000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	1.9861	1.9968	1.9810	.49580	.49236	.49630	.50000
SDev	.0062	.0039	.0040	.00298	.00038	.00401	.00096
%RSD	.31149	.19470	.20058	.60043	.07740	.80729	.19260
#1	1.9817	1.9941	1.9782	.49370	.49263	.49913	.50068
#2	1.9905	1.9996	1.9838	.49791	.49209	.49347	.49932
rrors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	2.2000	2.2000	2.2000				
Low	1.8000	1.8000	1.8000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.48594	.49573	1.941	2.002	2.087
SDev	.00969	.00082	.018	.006	.018
%RSD	1.9935	.16644	.9385	.3042	.8750
#1	.47909	.49632	1.928	1.997	2.074
#2	.49279	.49515	1.954	2.006	2.100
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			2.200	2.200	2.200
Low			1.800	1.800	1.800

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6608	--	--	--	--	--	--
SDev	15.95237	--	--	--	--	--	--
%RSD	.2413997	--	--	--	--	--	--
#1	6597	--	--	--	--	--	--
#2	6620	--	--	--	--	--	--

Analysis Report QC Standard 11/01/00 07:05:58 PM page 1

Method: QTESTNAK Sample Name: CCBT Operator: KT
Run Time: 11/01/00 19:00:05
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00131	-.00038	.00287	.02691	-.00180	-.00000	.00001
SDev	.00144	.00406	.00145	.00080	.00005	.00028	.00006
%RSD	109.62	1058.5	50.598	2.9714	2.7822	27634.	773.15
#1	-.00030	.00248	.00184	.02747	-.00177	-.00020	.00005
#2	-.00233	-.00325	.00390	.02634	-.00184	.00019	-.00004
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.00500	.06000	.20000	.01000	.02000	.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00049	-.00050	-.00044	-.00112	-.00125	.00994	.00390
SDev	.00028	.00003	.00051	.00039	.00000	.00343	.00273
%RSD	58.066	6.6072	114.02	35.273	.23307	34.484	70.179
#1	-.00069	-.00047	-.00080	-.00084	-.00124	.01236	.00196
#2	-.00029	-.00052	-.00009	-.00140	-.00125	.00752	.00583
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00000	.00073	-.00025	.00042	.03384	.00258	.00047
SDev	.00014	.00104	.00105	.00045	.08594	.00348	.00000
%RSD	9929.1	142.73	419.88	108.82	253.97	135.03	.07185
#1	.00010	.00146	-.00100	.00074	-.02693	.00012	.00047
#2	-.00010	-.00001	.00049	.00010	.09461	.00504	.00047
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.01500	.04000	.04000	.01000	5.0000	.01000	.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.00069	-.00093	-.00149	.00431	-.00001	-.00388	-.00003
SDev	.00098	.00001	.00215	.00195	.00045	.00007	.00219
%RSD	142.03	.57426	144.29	45.366	5803.3	1.7071	7575.3
#1	.00138	-.00093	-.00301	.00292	-.00032	-.00393	.00152
#2	-.00000	-.00093	.00003	.00569	.00031	-.00384	-.00158
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.00000	.00000	.00000				
Range	.05000	.02000	.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.00055	-.00030	.0051	.0000	<.0000
SDev	.00310	.00453	.0010	.0000	.0021
%RSD	563.57	1512.1	20.21	.0000	42.77
#1	.00164	.00291	.0043	.0000	<.0000
#2	-.00274	-.00350	.0058	.0000	<.0000
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value			.0000	.0000	.0000
Range			.2000	.0500	.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6723	--	--	--	--	--	--
SDev	2.177944	--	--	--	--	--	--
%RSD	.0323942	--	--	--	--	--	--
#1	6722	--	--	--	--	--	--
#2	6725	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DN3ENS 5X Operator: KT
Run Time: 11/01/00 19:06:02
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.10315	.40138	.10371	2.0296	.40378	.43879	.01022
SDev	.00000	.00406	.00171	.0038	.00609	.00039	.00007
%RSD	.00201	1.0107	1.6536	.18806	1.5084	.08889	.68132
#1	.10315	.39851	.10249	2.0269	.39947	.43851	.01027
#2	.10315	.40425	.10492	2.0323	.40808	.43907	.01017
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01016	54.958	.04205	.10637	.19609	.32033	9.5880
SDev	.00011	.011	.00025	.00036	.00061	.00344	.0067
%RSD	1.1246	.01971	.59203	.34179	.31188	1.0723	.06970
#1	.01024	54.951	.04223	.10612	.19566	.31790	9.5927
#2	.01008	54.966	.04188	.10663	.19653	.32276	9.5833
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.12281	.21427	.10915	.01516	569.89	.43536	.00090
SDev	.00005	.00098	.00032	.00094	.59	.00244	.00000
%RSD	.04039	.45916	.29069	6.2120	.10440	.55970	.04883
#1	.12284	.21357	.10892	.01583	569.47	.43364	.00090
#2	.12277	.21497	.10937	.01449	570.31	.43708	.00090
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.10502	.12188	.00138	.10419	.10274	.10236	.10354
SDev	.00105	.00039	.00221	.00541	.00569	.00165	.00082
%RSD	1.0010	.32062	160.88	5.1947	5.5393	1.6076	.79644
#1	.10576	.12160	.00294	.10036	.10676	.10353	.10296
#2	.10427	.12216	-.00019	.10802	.09871	.10120	.10413
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.40021	.40196	.0813	.3970	.7399
SDev	.00030	.00593	.0010	.0001	.0009
%RSD	.07549	1.4756	1.255	.0365	.1179
#1	.40000	.39777	.0806	.3969	.7405
#2	.40042	.40615	.0820	.3971	.7392
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6529	--	--	--	--	--	--
SDev	2.630589	--	--	--	--	--	--
%RSD	.0402937	--	--	--	--	--	--
#1	6527	--	--	--	--	--	--
#2	6530	--	--	--	--	--	--

Analysis Report 11/01/00 07:19:57 PM

Method: QTESTNAK Sample Name: DN3END 5X Operator: KT
Run Time: 11/01/00 19:14:05
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.10092	.39739	.10528	2.0362	.39827	.43144	.01004
SDev	.00045	.00046	.00347	.0011	.00763	.00131	.00000
%RSD	.44170	.11603	3.2943	.05330	1.9151	.30462	.01537
#1	.10061	.39706	.10283	2.0369	.39288	.43237	.01004
#2	.10124	.39772	.10773	2.0354	.40366	.43051	.01004
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01020	55.642	.04088	.10475	.19713	.32910	9.6779
SDev	.00012	.004	.00045	.00043	.00005	.01428	.0472
%RSD	1.1970	.00706	1.1071	.40909	.02348	4.3396	.48776
#1	.01012	55.645	.04120	.10445	.19710	.31900	9.7113
#2	.01029	55.639	.04056	.10505	.19716	.33920	9.6445
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.12135	.21029	.10917	.01510	576.30	.41538	.00091
SDev	.00040	.00325	.00105	.00026	.40	.00918	.00000
%RSD	.32929	1.5435	.96634	1.7433	.06992	2.2105	.01264
#1	.12164	.20800	.10991	.01528	576.02	.42187	.00091
#2	.12107	.21259	.10842	.01491	576.58	.40889	.00091
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.10478	.12101	.00451	.10745	.10092	.09767	.10254
SDev	.00069	.00003	.01102	.00330	.00380	.00233	.00050
%RSD	.66299	.02708	244.31	3.0716	3.7691	2.3873	.48348
#1	.10429	.12099	.01230	.10512	.09823	.09602	.10290
#2	.10527	.12103	-.00328	.10979	.10361	.09932	.10219
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.39496	.39860	.0802	.4004	.7383
SDev	.00191	.00026	.0021	.0014	.0024
%RSD	.48221	.06511	2.594	.3567	.3316
#1	.39361	.39879	.0817	.4014	.7400
#2	.39630	.39842	.0787	.3994	.7366
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6558	--	--	--	--	--	--
SDev	1.470837	--	--	--	--	--	--
%RSD	.0224287	--	--	--	--	--	--
#1	6559	--	--	--	--	--	--
#2	6557	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DN2QGB-0304272 Operator: KT
Run Time: 11/01/00 19:22:09
mment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00056	-.00490	.00388	.02921	-.00158	.00020	-.00003
SDev	.00177	.00091	.00324	.00366	.00036	.00000	.00007
%RSD	315.78	18.470	83.486	12.538	23.065	.17759	256.65
#1	.00181	L-.00554	.00617	.02662	-.00132	.00020	-.00007
#2	-.00069	-.00426	.00159	.03180	-.00183	.00020	.00002
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.00500	.06000	.20000	.01000	.02000	.00500
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00014	.00150	.00107	-.00057	-.00081	.02880	.00695
SDev	.00005	.00009	.00057	.00040	.00033	.00183	.00424
%RSD	38.102	6.2728	53.317	71.086	41.090	6.3437	61.053
#1	-.00018	.00156	.00067	-.00085	-.00105	.03009	.00395
#2	-.00010	.00143	.00148	-.00028	-.00058	.02751	.00995
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00010	-.00148	.00001	.00027	.47255	.00525	.00045
SDev	.00000	.00212	.00000	.00119	.38432	.00170	.00000
%RSD	.34534	143.66	6.2528	444.27	81.329	32.292	.25876
#1	.00010	-.00297	.00001	-.00057	.20080	.00645	.00045
#2	.00010	.00002	.00001	.00111	.74431	.00405	.00045
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.01500	.04000	.04000	.01000	5.0000	.01000	.05000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.00024	.00004	.00766	.00506	.00151	-.00114	.00141
SDev	.00033	.00044	.00658	.00567	.00164	.00091	.00311
%RSD	138.29	1202.8	85.841	112.15	108.78	80.239	220.93
#1	.00048	.00035	.01231	.00907	.00035	-.00178	.00361
#2	.00001	-.00028	.00301	.00105	.00267	-.00049	-.00079
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.05000	.02000	.10000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.01560	.00044	.0000	.0000	.0157
SDev	.00772	.00250	.0000	.0000	.0012
%RSD	49.499	572.36	6.253	.0000	7.403
#1	-.02106	.00220	.0000	.0000	.0165
#2	-.01014	-.00133	.0000	.0000	.0149
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			.2000	.0500	.5000
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6594	--	--	--	--	--	--
SDev	5.939628	--	--	--	--	--	--
%RSD	.0900697	--	--	--	--	--	--
#1	6590	--	--	--	--	--	--
#2	6599	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DN2QGC Operator: KT
Run Time: 11/01/00 19:28:04
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50355	1.8718	.49128	1.9608	1.9092	2.0500	.05092
SDev	.00112	.0056	.00210	.0083	.0162	.0104	.00002
%RSD	.22232	.29992	.42757	.42210	.85054	.50970	.03925
#1	.50434	1.8757	.48980	1.9549	1.9207	2.0574	.05091
#2	.50276	1.8678	.49277	1.9666	1.8977	2.0426	.05094
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.60000	2.4000	.60000	2.4000	2.4000	2.4000	.06000
Low	.40000	1.4000	.35000	1.6000	1.5000	1.6000	.04000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05235	L.00050	.21038	.53186	.25681	1.0376	L.01153
SDev	.00008	.00037	.00042	.00192	.00040	.0033	.00286
%RSD	.15823	74.227	.19905	.36007	.15659	.31638	24.774
#1	.05241	L.00076	.21068	.53322	.25653	1.0353	L.00951
#2	.05229	L.00024	.21009	.53051	.25709	1.0399	L.01355
Errors	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	.06000	60.000	.24000	.60000	.30000	1.2500	60.000
Low	.04000	40.000	.16000	.40000	.20000	.80000	40.000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.52299	1.0118	.52841	.04899	.73406	2.0238	L.00017
SDev	.00301	.0037	.00333	.00035	.12395	.0096	.00033
%RSD	.57531	.36785	.62950	.71935	16.885	.47641	186.84
#1	.52511	1.0092	.53076	.04874	.64641	2.0306	L.00041
#2	.52086	1.0144	.52606	.04924	.82170	2.0170	L-.00006
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Low
High	.60000	1.2000	.60000	.06000		2.4000	1.2000
Low	.40000	.80000	.40000	.04000		1.6000	.80000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.50842	.49891	.00913	.48999	.49387	.50151	.50457
SDev	.00017	.00268	.00001	.00124	.00383	.00010	.00163
%RSD	.03422	.53689	.12256	.25286	.77478	.02077	.32234
#1	.50854	.50080	.00914	.48912	.49116	.50158	.50572
#2	.50830	.49702	.00913	.49087	.49657	.50143	.50342
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.60000	.60000					
Low	.40000	.40000					

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	1.8481	1.8836	L.0110	L.0000	.1207
SDev	.0088	.0040	.0010	.0000	.0003
%RSD	.47862	.21237	8.955	.0000	.2532
#1	1.8544	1.8864	L.0103	L.0000	.1209
#2	1.8418	1.8807	L.0117	L.0000	.1204
Errors	NOCHECK	NOCHECK	LC Low	LC Low	NOCHECK
High			1.200	1.200	
Low			.8000	.8000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6638	--	--	--	--	--	--
SDev	23.90007	--	--	--	--	--	--
%RSD	.3600569	--	--	--	--	--	--
#1	6621	--	--	--	--	--	--
#2	6655	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DNCG1 Operator: KT
Run Time: 11/01/00 19:36:07
mment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05010	-.00356	.00639	191.74	.02628	1.0530	.00584
SDev	.00051	.00623	.00477	.14	.00195	.0026	.00000
%RSD	1.0214	174.76	74.719	.07550	7.4353	.24998	.01351
#1	.04974	.00084	.00301	191.63	.02766	1.0511	.00584
#2	.05047	L-.00797	.00977	191.84	.02490	1.0548	.00584
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00369	25.131	.21258	.08093	.13447	208.77	43.675
SDev	.00002	.005	.00014	.00086	.00033	.23	.014
%RSD	.55703	.01802	.06710	1.0644	.24292	.10975	.03283
#1	.00370	25.135	.21269	.08032	.13470	208.93	43.665
#2	.00367	25.128	.21248	.08154	.13423	208.61	43.685
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.2099	.00929	.11305	-.00262	5.4119	.00731	11.176
SDev	.0064	.00420	.00002	.00007	.1105	.00292	.023
%RSD	.19830	45.190	.01399	2.5356	2.0414	39.976	.20274
#1	3.2054	.01225	.11304	-.00257	5.4900	.00524	11.192
#2	3.2144	.00632	.11306	-.00267	5.3338	.00938	11.160
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.43589	.39828	.00494	.01032	-.00149	.03422	.05803
SDev	.00057	.00008	.01077	.00636	.00159	.00142	.00148
%RSD	.13074	.01998	218.12	61.652	106.58	4.1473	2.5432
#1	.43629	.39823	.01256	.00582	-.00261	.03523	.05699
#2	.43549	.39834	-.00268	.01482	-.00037	.03322	.05908
rrors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.01842	.00385	.0436	.3187	2.671
SDev	.00313	.00778	.0000	.0009	.005
%RSD	16.972	202.06	.0148	.2936	.1885
#1	-.01621	.00935	.0436	.3180	2.668
#2	-.02063	-.00165	.0436	.3194	2.675
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6701	--	--	--	--	--	--
SDev	.9332566	--	--	--	--	--	--
%RSD	.0139267	--	--	--	--	--	--
#1	6702	--	--	--	--	--	--
#2	6701	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DNRCV Operator: KT
Run Time: 11/01/00 19:44:10
nment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03161	-.00177	.00963	87.781	.02674	.56264	.00316
SDev	.00148	.00525	.00105	.192	.00032	.00194	.00001
%RSD	4.6843	296.08	10.926	.21845	1.2116	.34476	.36359
#1	.03265	.00194	.01038	87.917	.02697	.56401	.00316
#2	.03056	L-.00549	.00889	87.646	.02651	.56127	.00315
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00302	19.798	.16199	.05997	.13130	145.11	34.797
SDev	.00036	.034	.00087	.00097	.00068	.34	.189
%RSD	11.844	.17229	.53770	1.6112	.52002	.23345	.54242
#1	.00277	19.822	.16260	.06065	.13178	145.35	34.931
#2	.00328	19.773	.16137	.05928	.13081	144.87	34.664
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.6639	.00653	.10316	-.00164	3.8772	.00711	10.211
SDev	.0107	.00106	.00064	.00047	.0548	.00276	.024
%RSD	.40277	16.198	.62539	28.846	1.4123	38.884	.23047
#1	2.6715	.00579	.10270	-.00198	3.8385	.00906	10.228
#2	2.6563	.00728	.10362	-.00131	3.9159	.00515	10.195
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.31152	.27775	.00542	.01089	.00712	.02450	.03516
SDev	.00007	.00084	.00220	.00042	.00400	.00146	.00295
%RSD	.02167	.30281	40.489	3.8395	56.143	5.9781	8.3936
#1	.31157	.27834	.00698	.01059	.00995	.02346	.03724
#2	.31147	.27715	.00387	.01118	.00429	.02553	.03307
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.00831	.00149	.0967	.3475	2.512
SDev	.00563	.00507	.0003	.0011	.015
%RSD	67.663	339.88	.3037	.3097	.5843
#1	-.00434	.00507	.0964	.3483	2.522
#2	-.01229	-.00209	.0969	.3468	2.501
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6696	--	--	--	--	--	--
SDev	49.38423	--	--	--	--	--	--
%RSD	.7374787	--	--	--	--	--	--
#1	6661	--	--	--	--	--	--
#2	6731	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DNRCVP Operator: KT
Run Time: 11/01/00 19:52:13
ment:
Mode: CONC Corr. Factor: 5

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L.02560	L-.01846	L.01139	86.809	L.01080	.56762	L.00305
SDev	.00035	.00370	.02518	1.411	.00174	.01232	.00032
%RSD	1.3522	20.066	221.12	1.6248	16.103	2.1698	10.463
#1	L.02535	L-.02107	L.02919	87.807	L.00957	.57632	L.00328
#2	L.02584	L-.01584	L-.00642	85.812	L.01203	.55891	L.00283
Errors	LC Low	LC Low	LC Low	LC Pass	LC Low	LC Pass	LC Low
High	55.000	11.000	5.5000	550.00	11.000	11.000	5.5000
Low	.07500	.17000	.10000	.63000	.24500	.01000	.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L.00065	20.114	.16678	.05717	.12183	147.82	35.333
SDev	.00012	.358	.00306	.00038	.00176	2.52	.747
%RSD	17.711	1.7805	1.8321	.67219	1.4462	1.7081	2.1133
#1	L.00057	20.367	.16894	.05690	.12307	149.61	35.861
#2	L.00073	19.861	.16462	.05744	.12058	146.04	34.805
rrors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
igh	11.000	550.00	55.000	110.00	55.000	1100.0	1100.0
Low	.01500	.38500	.02000	.03500	.04000	.66500	.19000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.7258	L-.00347	.10657	L.00164	3.9170	L.02100	10.369
SDev	.0531	.00493	.00352	.00130	1.1610	.01386	.155
%RSD	1.9482	142.39	3.2992	79.246	29.640	66.025	1.4926
#1	2.7634	L-.00695	.10408	L.00072	3.0961	L.03080	10.478
#2	2.6883	L.00002	.10905	L.00256	4.7380	L.01119	10.259
Errors	LC Pass	LC Low	LC Pass	LC Low	NOCHECK	LC Low	LC Pass
High	27.500	27.500	110.00	2.2000		22.000	55.000
Low	.01000	.10500	.05500	.03000		.23500	.01500

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.31142	.28284	L.02971	.02312	-.01212	.00027	.03824
SDev	.00792	.00404	.01060	.02526	.02502	.02512	.01202
%RSD	2.5442	1.4298	35.675	109.24	206.36	9284.6	31.440
#1	.31703	.28570	L.03720	.04099	.00557	-.01749	.04675
#2	.30582	.27998	L.02221	.00526	-.02981	.01804	.02974
rrors	LC Pass	LC Pass	LC Low	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	.02000	.03500	.46000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.06016	.00237	.1011	.3508	2.644
SDev	.00440	.00775	.0102	.0066	.033
%RSD	7.3158	327.61	10.10	1.887	1.252
#1	-.05705	-.00311	.1083	.3555	2.668
#2	-.06327	.00784	.0939	.3461	2.621
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			55.00	5.500	55.00
Low			.0550	.0050	.2400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6732	--	--	--	--	--	--
SDev	.6504830	--	--	--	--	--	--
%RSD	.0096625	--	--	--	--	--	--
#1	6732	--	--	--	--	--	--
#2	6732	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DNRCVS Operator: KT
Run Time: 11/01/00 19:58:08
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50314	1.7898	.21893	93.689	1.8448	2.4609	.05187
SDev	.00189	.0002	.00518	.069	.0061	.0140	.00003
%RSD	.37540	.01042	2.3650	.07348	.33022	.57002	.05887
#1	.50447	1.7899	.22259	93.738	1.8405	2.4509	.05185
#2	.50180	1.7896	.21527	93.641	1.8491	2.4708	.05190
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05226	19.020	.35478	.55431	.37026	142.08	34.394
SDev	.00103	.006	.00230	.00321	.00040	.14	.127
%RSD	1.9722	.03047	.64785	.57911	.10789	.09923	.36845
#1	.05153	19.024	.35316	.55204	.36997	142.18	34.305
#2	.05298	19.016	.35641	.55658	.37054	141.98	34.484
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.0130	.94164	.59399	.04375	3.9574	1.9336	9.9615
SDev	.0157	.01188	.00275	.00088	.2066	.0057	.0208
%RSD	.52169	1.2618	.46336	2.0158	5.2211	.29557	.20868
#1	3.0019	.93324	.59205	.04313	3.8113	1.9296	9.9762
#2	3.0242	.95004	.59594	.04437	4.1035	1.9376	9.9468
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.77298	.74750	.00551	.21941	.21797	.50178	.50382
SDev	.00153	.00379	.00217	.00922	.00292	.00435	.00500
%RSD	.19787	.50716	39.410	4.2029	1.3407	.86722	.99327
#1	.77406	.74482	.00398	.22593	.21590	.49870	.50735
#2	.77190	.75018	.00705	.21289	.22004	.50485	.50028
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	1.7760	1.7967	.0941	.3294	2.996
SDev	.0063	.0034	.0010	.0024	.025
%RSD	.35592	.19122	1.021	.7429	.8251
#1	1.7715	1.7991	.0934	.3277	2.978
#2	1.7805	1.7942	.0948	.3311	3.013
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6672	--	--	--	--	--	--
SDev	4.836500	--	--	--	--	--	--
%RSD	.0724923	--	--	--	--	--	--
#1	6668	--	--	--	--	--	--
#2	6675	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DNRCVD Operator: KT
Run Time: 11/01/00 20:10:16
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.52057	1.8361	.21825	91.507	1.9078	2.5833	.05318
SDev	.00557	.0225	.00015	.108	.0082	.0101	.00012
%RSD	1.0703	1.2249	.06716	.11811	.42764	.39003	.22459
#1	.52451	1.8520	.21815	91.583	1.9136	2.5904	.05326
#2	.51663	1.8202	.21835	91.430	1.9020	2.5761	.05309
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05371	21.290	.36150	.57896	.42231	144.76	34.243
SDev	.00004	.052	.00181	.00163	.00009	.18	.202
%RSD	.06963	.24459	.50176	.28248	.02219	.12729	.58995
#1	.05373	21.327	.36279	.58012	.42238	144.89	34.386
#2	.05368	21.253	.36022	.57780	.42224	144.63	34.100
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.1730	.97150	.60990	.04543	3.8909	1.9897	9.7155
SDev	.0191	.00444	.00447	.00039	.0460	.0013	.0009
%RSD	.45854	.45710	.73286	.86603	1.1829	.06466	.00950
#1	4.1866	.96836	.61306	.04571	3.8583	1.9906	9.7161
#2	4.1595	.97464	.60674	.04515	3.9234	1.9888	9.7148
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.80926	.78134	.00248	.22049	.21376	.51923	.52123
SDev	.00121	.00409	.00218	.00179	.00315	.00875	.00398
%RSD	.14935	.52409	88.104	.81238	1.4725	1.6851	.76460
#1	.80840	.78423	.00402	.21922	.21598	.52542	.52405
#2	.81011	.77844	.00093	.22176	.21153	.51304	.51841
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	1.8148	1.8468	.0959	.3776	2.691
SDev	.0381	.0147	.0013	.0014	.022
%RSD	2.1016	.79480	1.388	.3780	.8003
#1	1.8417	1.8572	.0950	.3786	2.707
#2	1.7878	1.8364	.0968	.3766	2.676
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6698	--	--	--	--	--	--
SDev	49.04483	--	--	--	--	--	--
%RSD	.7322660	--	--	--	--	--	--
#1	6663	--	--	--	--	--	--
#2	6732	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DNRC2 Operator: KT
Run Time: 11/01/00 20:18:19
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05254	-.00128	.00760	105.14	.02726	.91446	.00367
SDev	.00105	.00036	.00371	.51	.00051	.00715	.00008
%RSD	2.0030	27.949	48.853	.48212	1.8550	.78240	2.1228
#1	.05328	-.00153	.00497	105.50	.02690	.91952	.00372
#2	.05179	-.00103	.01022	104.78	.02761	.90940	.00361
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00344	35.669	.18000	.06837	.18302	163.92	41.456
SDev	.00001	.196	.00177	.00007	.00128	.99	.417
%RSD	.18084	.54984	.98234	.10693	.69748	.60499	1.0060
#1	.00343	35.808	.18125	.06842	.18393	164.62	41.751
#2	.00344	35.531	.17875	.06832	.18212	163.22	41.161
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.8509	.01140	.12792	-.00173	9.3802	.00744	10.244
SDev	.0339	.00531	.00226	.00037	.0626	.00073	.061
%RSD	.88062	46.569	1.7684	21.630	.66693	9.8072	.59157
#1	3.8749	.01515	.12952	-.00146	9.4244	.00795	10.287
#2	3.8269	.00764	.12632	-.00199	9.3359	.00692	10.201
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.31925	.39754	.00468	.01152	-.00027	.04287	.05736
SDev	.00245	.00352	.00216	.00329	.00455	.00296	.00010
%RSD	.76852	.88467	46.175	28.561	1697.0	6.9128	.17086
#1	.32098	.40003	.00621	.00919	-.00349	.04497	.05743
#2	.31751	.39506	.00315	.01385	.00295	.04078	.05729
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
rge	-.01189	.00402	.0590	.4402	2.514
sDev	.00160	.00134	.0006	.0034	.030
%RSD	13.486	33.278	1.052	.7626	1.205
#1	-.01076	.00307	.0586	.4426	2.536
#2	-.01303	.00496	.0595	.4379	2.493
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6679	--	--	--	--	--	--
SDev	44.15171	--	--	--	--	--	--
%RSD	.6610586	--	--	--	--	--	--
#1	6648	--	--	--	--	--	--
#2	6710	--	--	--	--	--	--

Analysis Report 11/01/00 08:32:13 PM page 1

Method: QTESTNAK Sample Name: CCVT Operator: KT
Run Time: 11/01/00 20:26:22
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49758	.49439	.49355	24.587	.48734	1.9954	2.0145
SDev	.00183	.00118	.00126	.059	.00461	.0029	.0026
%RSD	.36808	.23835	.25422	.24093	.94504	.14707	.12860
#1	.49628	.49356	.49444	24.629	.49059	1.9975	2.0164
#2	.49887	.49523	.49266	24.545	.48408	1.9933	2.0127
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	.55000	.55000	27.500	.55000	2.2000	2.2000
Low	.45000	.45000	.45000	22.500	.45000	1.8000	1.8000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49998	100.82	1.9952	1.9909	1.9757	25.020	97.515
SDev	.00049	.19	.0012	.0007	.0022	.021	.125
%RSD	.09859	.18716	.05956	.03720	.11064	.08457	.12771
#1	.49963	100.95	1.9960	1.9914	1.9772	25.035	97.603
#2	.50032	100.69	1.9943	1.9904	1.9741	25.005	97.427
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	110.00	2.2000	2.2000	2.2000	27.500	110.00
Low	.45000	90.000	1.8000	1.8000	1.8000	22.500	90.000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.9967	1.9758	2.0063	.98769	50.797	.98461	1.9844
SDev	.0020	.0425	.0016	.00175	.350	.00441	.0011
%RSD	.09923	2.1488	.07897	.17736	.68992	.44832	.05449
#1	1.9981	1.9458	2.0075	.98893	51.044	.98149	1.9852
#2	1.9953	2.0059	2.0052	.98645	50.549	.98773	1.9836
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	2.2000	2.2000	2.2000	1.1000		1.1000	2.2000
Low	1.8000	1.8000	1.8000	.90000		.90000	1.8000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	1.9883	1.9959	1.9795	.49499	.49065	.49597	.49838
SDev	.0004	.0022	.0031	.00196	.00015	.00064	.00243
%RSD	.01896	.11205	.15758	.39545	.03116	.12858	.48707
#1	1.9886	1.9975	1.9817	.49638	.49054	.49552	.49666
#2	1.9880	1.9943	1.9773	.49361	.49076	.49642	.50010
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	2.2000	2.2000	2.2000				
Low	1.8000	1.8000	1.8000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.49612	.49353	1.940	2.007	2.092
SDev	.01429	.00537	.001	.003	.007
%RSD	2.8801	1.0874	.0439	.1542	.3417
#1	.48601	.49733	1.940	2.010	2.087
#2	.50622	.48974	1.939	2.005	2.097
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			2.200	2.200	2.200
Low			1.800	1.800	1.800

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6613	--	--	--	--	--	--
SDev	4.186017	--	--	--	--	--	--
%RSD	.0632952	--	--	--	--	--	--
#1	6616	--	--	--	--	--	--
#2	6611	--	--	--	--	--	--

Analysis Report QC Standard 11/01/00 08:40:18 PM page 1

Method: QTESTNAK Sample Name: CCBT Operator: KT
Run Time: 11/01/00 20:34:26
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00052	-.00176	.00162	.01887	-.00410	-.00000	.00005
SDev	.00013	.00560	.00206	.00231	.00688	.00027	.00001
%RSD	25.287	317.30	127.10	12.218	167.93	19895.	8.8986
#1	.00062	Q-.00572	.00016	.02050	.00077	.00019	.00006
#2	.00043	.00219	.00308	.01724	-.00897	-.00020	.00005
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.00500	.06000	.20000	.01000	.02000	.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00023	-.00049	-.00012	.00028	-.00077	.00615	.00492
SDev	.00014	.00032	.00005	.00000	.00003	.00524	.00415
%RSD	60.866	65.831	41.948	.92670	4.1574	85.198	84.395
#1	-.00013	-.00072	-.00009	.00027	-.00079	.00244	.00198
#2	-.00032	-.00026	-.00016	.00028	-.00075	.00985	.00785
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00000	.00293	-.00075	.00005	.26814	Q.01083	.00071
SDev	.00014	.00001	.00035	.00006	.06137	.00143	.00033
%RSD	8453.3	.49415	47.060	125.39	22.888	13.217	47.096
#1	.00010	.00292	-.00050	.00001	.22475	.00982	.00094
#2	-.00010	.00294	-.00100	.00009	.31154	Q.01184	.00047
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.01500	.04000	.04000	.01000	5.0000	.01000	.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.00023	-.00062	.00612	.00275	-.00063	-.00059	.00108
SDev	.00098	.00044	.00430	.00034	.00550	.00265	.00152
%RSD	428.81	70.313	70.300	12.511	869.17	446.09	140.71
#1	.00092	-.00093	.00308	.00250	-.00452	-.00247	.00216
#2	-.00046	-.00031	.00916	.00299	.00326	.00128	.00001
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.00000	.00000	.00000				
Range	.05000	.02000	.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.00416	-.00472	.0022	.0001	.0028
SDev	.00351	.00664	.0010	.0001	.0002
%RSD	84.422	140.60	48.15	141.4	5.838
#1	.00168	-.00942	.0014	.0000	.0029
#2	.00665	-.00003	.0029	.0002	.0026
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value			.0000	.0000	.0000
Range			.2000	.0500	.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6723	--	--	--	--	--	--
SDev	21.29779	--	--	--	--	--	--
%RSD	.3167872	--	--	--	--	--	--
#1	6738	--	--	--	--	--	--
#2	6708	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DNRC7 Operator: KT
Run Time: 11/01/00 20:40:22
ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04706	L-.00602	.00483	156.28	.03811	1.4709	.00561
SDev	.00059	.00454	.00026	.04	.00150	.0066	.00003
%RSD	1.2469	75.291	5.3335	.02294	3.9259	.45031	.47863
#1	.04665	-.00282	.00465	156.31	.03705	1.4755	.00563
#2	.04748	L-.00923	.00501	156.26	.03917	1.4662	.00560
Errors	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00391	42.064	.24763	.10669	.17130	215.59	61.932
SDev	.00051	.051	.00154	.00010	.00081	.20	.400
%RSD	12.990	.12095	.62131	.09192	.47409	.09415	.64585
#1	.00355	42.099	.24872	.10676	.17188	215.73	62.215
#2	.00427	42.028	.24654	.10663	.17073	215.44	61.649
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.0159	.01066	.17220	-.00286	14.298	.00605	12.030
SDev	.0216	.00521	.00064	.00016	.045	.00806	.000
%RSD	.53776	48.816	.36921	5.4390	.31181	133.33	.00335
#1	4.0312	.01435	.17175	-.00297	14.267	.01175	12.031
#2	4.0006	.00698	.17265	-.00275	14.330	.00035	12.030
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.39811	.47100	-.00104	.00760	-.00072	.03348	.05385
SDev	.00042	.00236	.00220	.00038	.00153	.00207	.00191
%RSD	.10435	.50206	211.16	4.9507	211.68	6.1839	3.5531
#1	.39840	.47268	.00051	.00786	-.00180	.03494	.05250
#2	.39782	.46933	-.00259	.00733	.00036	.03201	.05520
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
vge	-.01606	-.00101	.0578	.6457	2.626
SDev	.00385	.00488	.0014	.0024	.012
%RSD	23.954	481.11	2.481	.3802	.4480
#1	-.01334	.00244	.0588	.6474	2.635
#2	-.01878	-.00446	.0568	.6439	2.618
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6657	--	--	--	--	--	--
SDev	43.81231	--	--	--	--	--	--
%RSD	.6581409	--	--	--	--	--	--
#1	6626	--	--	--	--	--	--
#2	6688	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DNRDL Operator: KT
Run Time: 11/01/00 20:46:17
nment:
Mode: CONC Corr. Factor: 1

Ref

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06498	-.00389	.00789	151.30	.03353	1.1716	.00474
SDev	.00032	.00014	.00354	.10	.00096	.0042	.00001
%RSD	.49079	3.7110	44.887	.06765	2.8542	.36167	.16902
#1	.06475	-.00379	.00539	151.23	.03421	1.1686	.00475
#2	.06520	-.00400	.01040	151.37	.03286	1.1746	.00474
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00398	44.746	.23922	.09380	.21348	213.41	71.428
SDev	.00003	.091	.00052	.00086	.00023	.36	.028
%RSD	.84477	.20245	.21576	.92184	.10594	.17052	.03862
#1	.00401	44.810	.23886	.09319	.21364	213.66	71.409
#2	.00396	44.682	.23959	.09441	.21332	213.15	71.448
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.9447	.00893	.18753	-.00242	3.5864	.01076	12.208
SDev	.0062	.00106	.00013	.00047	.2162	.00398	.008
%RSD	.21104	11.869	.06753	19.307	6.0278	36.972	.06898
#1	2.9403	.00968	.18762	-.00275	3.4335	.00795	12.202
#2	2.9491	.00818	.18744	-.00209	3.7392	.01357	12.214
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.31992	.50809	.00057	.01087	.00194	.05162	.07165
SDev	.00020	.00000	.00001	.00152	.00760	.00290	.00097
%RSD	.06183	.00079	1.8336	13.963	392.13	5.6157	1.3525
#1	.32006	.50809	.00058	.00980	-.00344	.04957	.07233
#2	.31978	.50808	.00057	.01194	.00731	.05367	.07096
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

001662

Units			ppm	ppm	ppm
Avge	-.01511	.00171	.0483	.5020	3.290
SDev	.00231	.00137	.0001	.0023	.039
%RSD	15.285	80.228	.2716	.4599	1.191
#1	-.01675	.00268	.0484	.5003	3.262
#2	-.01348	.00074	.0482	.5036	3.318
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6647	--	--	--	--	--	--
SDev	17.02719	--	--	--	--	--	--
%RSD	.2561650	--	--	--	--	--	--
#1	6635	--	--	--	--	--	--
#2	6659	--	--	--	--	--	--

Method: QTESTNAK Sample Name: CCVT Operator: KT
Run Time: 11/01/00 21:01:41
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49556	.49074	.49185	24.548	.49074	2.0003	2.0151
SDev	.00244	.00733	.00784	.020	.00148	.0032	.0031
%RSD	.49222	1.4944	1.5947	.08218	.30247	.15765	.15201
#1	.49384	.49592	.48630	24.563	.48969	1.9981	2.0172
#2	.49729	.48555	.49740	24.534	.49179	2.0025	2.0129
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	.55000	.55000	27.500	.55000	2.2000	2.2000
Low	.45000	.45000	.45000	22.500	.45000	1.8000	1.8000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50139	100.74	2.0028	2.0027	1.9716	25.101	97.974
SDev	.00145	.13	.0029	.0042	.0018	.033	.093
%RSD	.28854	.13264	.14253	.21179	.08946	.13037	.09448
#1	.50036	100.83	2.0008	1.9997	1.9729	25.124	97.909
#2	.50241	100.64	2.0048	2.0057	1.9704	25.078	98.040
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	110.00	2.2000	2.2000	2.2000	27.500	110.00
Low	.45000	90.000	1.8000	1.8000	1.8000	22.500	90.000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0051	1.9834	2.0140	.98617	50.558	.99579	1.9884
SDev	.0037	.0532	.0074	.00071	.067	.00446	.0010
%RSD	.18292	2.6830	.36735	.07203	.13329	.44828	.04900
#1	2.0026	1.9458	2.0088	.98567	50.605	.99264	1.9877
#2	2.0077	2.0210	2.0192	.98668	50.510	.99895	1.9891
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	2.2000	2.2000	2.2000	1.1000		1.1000	2.2000
Low	1.8000	1.8000	1.8000	.90000		.90000	1.8000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	1.9955	2.0022	1.9838	.49263	.49029	.49332	.49668
SDev	.0003	.0050	.0015	.01311	.00271	.00516	.00108
%RSD	.01588	.24933	.07732	2.6619	.55328	1.0469	.21718
#1	1.9957	1.9987	1.9849	.48336	.49220	.48967	.49591
#2	1.9953	2.0057	1.9827	.50190	.48837	.49698	.49744
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	2.2000	2.2000	2.2000				
Low	1.8000	1.8000	1.8000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.49282	.48969	1.952	2.009	2.097
SDev	.00255	.00972	.013	.003	.010
%RSD	.51701	1.9854	.6689	.1479	.4809
#1	.49463	.49657	1.943	2.007	2.090
#2	.49102	.48282	1.962	2.011	2.104
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			2.200	2.200	2.200
Low			1.800	1.800	1.800

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6646	--	--	--	--	--	--
SDev	2.149632	--	--	--	--	--	--
%RSD	.0323469	--	--	--	--	--	--
#1	6647	--	--	--	--	--	--
#2	6644	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: CCBT Operator: KT
Run Time: 11/01/00 21:13:40
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00111	Q-.00502	.00382	.01209	-.00103	-.00000	-.00003
SDev	.00069	.00083	.00390	.00562	.00398	.00028	.00001
%RSD	62.240	16.551	102.13	46.490	386.96	46473.	27.964
#1	-.00062	-.00443	.00657	.00811	-.00384	-.00020	-.00003
#2	-.00160	Q-.00561	.00106	.01606	.00178	.00019	-.00004
Errors	QC Pass	QC Fail	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.00500	.06000	.20000	.01000	.02000	.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00052	-.00067	-.00036	-.00000	-.00102	.01725	.00096
SDev	.00024	.00052	.00085	.00118	.00039	.01037	.00691
%RSD	45.763	76.796	232.84	3112200.	37.834	60.116	719.52
#1	-.00069	-.00104	-.00096	-.00084	-.00130	.00991	-.00393
#2	-.00035	-.00031	.00024	.00084	-.00075	.02458	.00585
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00020	-.00074	-.00025	.00019	-.05089	.00179	.00048
SDev	.00014	.00104	.00035	.00052	.17666	.00159	.00001
%RSD	70.396	141.04	140.58	270.84	347.14	88.649	1.5228
#1	-.00030	-.00148	-.00050	-.00017	-.17581	.00292	.00048
#2	-.00010	-.00000	-.00000	.00055	.07403	.00067	.00047
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.01500	.04000	.04000	.01000	5.0000	.01000	.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	-.00023	-.00093	-.00147	.00428	.00288	-.00434	.00050
SDev	.00033	.00001	.00211	.00518	.00134	.00250	.00021
%RSD	139.91	.70180	143.09	120.85	46.416	57.506	41.816
#1	-.00047	-.00094	-.00296	.00794	.00383	-.00257	.00035
#2	-.00000	-.00093	.00002	.00062	.00194	-.00610	.00065
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.00000	.00000	.00000				
Range	.05000	.02000	.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.00116	-.00695	<.0000	.0000	<.0000
SDev	.00673	.00212	.0000	.0000	.0000
%RSD	578.14	30.445	.5011	.0000	3.156
#1	.00360	-.00844	<.0000	.0000	<.0000
#2	-.00593	-.00545	<.0000	.0000	<.0000
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value			.0000	.0000	.0000
Range			.2000	.0500	.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6735	--	--	--	--	--	--
SDev	34.19559	--	--	--	--	--	--
%RSD	.5077221	--	--	--	--	--	--
#1	6759	--	--	--	--	--	--
#2	6711	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: DN2QGB-0304272 Operator: KT
Run Time: 11/01/00 21:20:53
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00029	.00241	.00383	.01183	-.00160	.00000	-.00007
SDev	.00026	.00401	.00138	.00435	.00113	.00028	.00001
%RSD	89.825	166.23	36.114	36.790	70.498	17368.	16.480
#1	-.00011	-.00042	.00481	.01491	-.00080	-.00020	-.00008
#2	-.00047	H.00524	.00285	.00875	-.00240	.00020	-.00006
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.00500	.06000	.20000	.01000	.02000	.00500
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00022	.00128	.00095	-.00142	-.00108	.02385	.00494
SDev	.00025	.00061	.00085	.00081	.00063	.00902	.00420
%RSD	114.53	47.976	89.637	57.105	58.197	37.826	85.134
#1	-.00004	.00171	.00035	-.00199	-.00152	.03023	.00197
#2	-.00040	.00085	.00154	-.00085	-.00064	.01747	.00791
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00020	-.00148	.00000	.00004	.71105	.00188	.00021
SDev	.00014	.00211	.00071	.00047	.09008	.00366	.00032
%RSD	68.113	142.75	17273.	1325.7	12.669	194.78	151.84
#1	.00011	-.00298	-.00050	-.00029	.64736	-.00071	.00044
#2	.00030	.00001	.00051	.00037	.77475	.00447	-.00002
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.01500	.04000	.04000	.01000	5.0000	.01000	.05000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	-.00023	.00003	.00146	.00697	-.00245	-.00500	.00206
SDev	.00033	.00042	.00221	.00243	.00071	.00443	.00260
%RSD	144.45	1339.1	151.40	34.845	28.881	88.615	126.09
#1	.00000	-.00026	-.00010	.00869	-.00295	-.00814	.00390
#2	-.00046	.00033	.00303	.00525	-.00195	-.00187	.00022
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.05000	.02000	.10000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.00041	.00341	.0000	.0000	.0191
SDev	.00867	.00168	.0000	.0000	.0018
%RSD	2101.9	49.234	47.95	.0000	9.432
#1	-.00572	.00222	.0000	.0000	.0204
#2	.00654	.00459	.0000	.0000	.0179
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			.2000	.0500	.5000
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6608	--	--	--	--	--	--
SDev	39.08906	--	--	--	--	--	--
%RSD	.5915020	--	--	--	--	--	--
#1	6581	--	--	--	--	--	--
#2	6636	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: DN2QGC Operator: KT
Run Time: 11/01/00 21:26:49
ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50332	1.8689	.49172	1.9352	1.9234	2.0596	.05103
SDev	.00396	.0143	.00087	.0079	.0004	.0005	.00006
%RSD	.78569	.76463	.17619	.40780	.02017	.02634	.11282
#1	.50612	1.8790	.49233	1.9408	1.9236	2.0592	.05099
#2	.50052	1.8588	.49111	1.9296	1.9231	2.0599	.05107
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.60000	2.4000	.60000	2.4000	2.4000	2.4000	.06000
Low	.40000	1.4000	.35000	1.6000	1.5000	1.6000	.04000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05278	L.00597	.21188	.53424	.25833	1.0545	L.01464
SDev	.00013	.00793	.00054	.00120	.00006	.0123	.00441
%RSD	.23830	132.97	.25610	.22430	.02474	1.1630	30.125
#1	.05270	L.00036	.21227	.53339	.25838	1.0459	L.01152
#2	.05287	L.01158	.21150	.53508	.25829	1.0632	L.01776
Errors	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	.06000	60.000	.24000	.60000	.30000	1.2500	60.000
Low	.04000	40.000	.16000	.40000	.20000	.80000	40.000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.52638	1.0175	.52863	.04920	.75785	2.0247	L.00065
SDev	.00009	.0132	.00150	.00052	.08989	.0015	.00033
%RSD	.01607	1.2957	.28351	1.0514	11.861	.07611	50.967
#1	.52644	1.0082	.52969	.04883	.69429	2.0236	L.00088
#2	.52632	1.0268	.52757	.04956	.82141	2.0258	L.00041
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Low
High	.60000	1.2000	.60000	.06000		2.4000	1.2000
Low	.40000	.80000	.40000	.04000		1.6000	.80000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.51606	.50077	-.00316	.49236	.49044	.50347	.50324
SDev	.00089	.00012	.00433	.00191	.00122	.00107	.00539
%RSD	.17194	.02370	137.09	.38754	.24879	.21316	1.0717
#1	.51543	.50068	-.00010	.49371	.48957	.50423	.50706
#2	.51669	.50085	-.00622	.49101	.49130	.50271	.49943
rors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.60000	.60000					
Low	.40000	.40000					

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	1.8592	1.8738	L.0110	L.0000	.1219
SDev	.0028	.0201	.0010	.0000	.0014
%RSD	.14807	1.0701	9.226	.0000	1.135
#1	1.8611	1.8880	L.0103	L.0000	.1229
#2	1.8572	1.8596	L.0117	L.0000	.1210
Errors	NOCHECK	NOCHECK	LC Low	LC Low	NOCHECK
High			1.200	1.200	
Low			.8000	.8000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6654	--	--	--	--	--	--
SDev	9.927807	--	--	--	--	--	--
%RSD	.1492019	--	--	--	--	--	--
#1	6647	--	--	--	--	--	--
#2	6661	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: DNCG1 Operator: KT
Run Time: 11/01/00 21:34:52
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04762	-.00327	.00608	191.22	.02774	1.0570	.00578
SDev	.00099	.00188	.00689	.34	.00196	.0037	.00005
%RSD	2.0810	57.592	113.40	.17569	7.0666	.35233	.92856
#1	.04691	-.00194	.01095	191.46	.02913	1.0596	.00574
#2	.04832	-.00460	.00120	190.98	.02636	1.0544	.00582
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00393	25.080	.21369	.08004	.13534	209.46	43.890
SDev	.00008	.045	.00127	.00068	.00039	.25	.280
%RSD	1.9612	.17923	.59348	.85319	.28693	.11998	.63703
#1	.00399	25.112	.21459	.08052	.13562	209.64	44.088
#2	.00388	25.048	.21279	.07956	.13507	209.28	43.693
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.2270	.01085	.11252	-.00257	5.2063	.00647	11.323
SDev	.0147	.00208	.00066	.00066	.0167	.00340	.003
%RSD	.45706	19.178	.58750	25.699	.31992	52.437	.02446
#1	3.2374	.01233	.11299	-.00304	5.1945	.00888	11.325
#2	3.2166	.00938	.11205	-.00210	5.2180	.00407	11.321
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.43972	.40027	-.00123	.01069	-.00316	.02944	.05669
SDev	.00059	.00286	.00215	.00861	.00346	.00242	.00028
%RSD	.13325	.71432	174.57	80.510	109.47	8.2213	.48922
#1	.44013	.40229	-.00275	.01678	-.00071	.02773	.05650
#2	.43930	.39825	.00029	.00461	-.00561	.03115	.05689
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
vge	-.01834	.00426	.0456	.3194	2.714
SDev	.00675	.00619	.0012	.0012	.021
%RSD	36.820	145.43	2.537	.3669	.7786
#1	-.02312	.00864	.0464	.3202	2.729
#2	-.01357	-.00012	.0448	.3186	2.699
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6718	--	--	--	--	--	--
SDev	18.41309	--	--	--	--	--	--
%RSD	.2740916	--	--	--	--	--	--
#1	6705	--	--	--	--	--	--
#2	6731	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: DNRCV Operator: KT
Run Time: 11/01/00 21:42:55
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03151	-.00232	.00750	87.693	.02945	.56309	.00318
SDev	.00089	.00187	.00019	.104	.00012	.00141	.00006
%RSD	2.8342	80.456	2.5789	.11906	.38984	.25080	1.8495
#1	.03214	-.00100	.00763	87.767	.02937	.56409	.00314
#2	.03087	-.00364	.00736	87.619	.02953	.56210	.00323
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00291	19.786	.16261	.06048	.13206	145.68	34.901
SDev	.00005	.021	.00136	.00012	.00048	.17	.172
%RSD	1.7117	.10810	.83420	.19373	.36680	.11483	.49295
#1	.00288	19.801	.16357	.06040	.13240	145.80	35.023
#2	.00295	19.771	.16165	.06057	.13171	145.56	34.779
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.6708	.00813	.10309	-.00194	3.8408	.00971	10.331
SDev	.0077	.00103	.00103	.00001	.0475	.00478	.009
%RSD	.28849	12.702	1.0039	.49691	1.2377	49.222	.09192
#1	2.6762	.00886	.10236	-.00194	3.8744	.00633	10.337
#2	2.6653	.00740	.10382	-.00193	3.8072	.01309	10.324
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.31430	.27867	.00983	.01028	.00193	.02581	.03435
SDev	.00017	.00102	.00858	.00323	.00588	.00009	.00138
%RSD	.05468	.36478	87.248	31.393	305.28	.33423	4.0228
#1	.31418	.27939	.01590	.01256	-.00223	.02575	.03533
#2	.31442	.27795	.00377	.00800	.00609	.02587	.03337
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.01559	.00430	.0978	.3469	2.584
SDev	.00298	.00131	.0003	.0003	.003
%RSD	19.125	30.493	.3582	.0933	.1250
#1	-.01349	.00523	.0980	.3471	2.586
#2	-.01770	.00338	.0975	.3467	2.582
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6765	--	--	--	--	--	--
SDev	23.53271	--	--	--	--	--	--
%RSD	.3478473	--	--	--	--	--	--
#1	6749	--	--	--	--	--	--
#2	6782	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DNRCVP Operator: KT
Run Time: 11/01/00 21:50:57
Comment:
Mode: CONC Corr. Factor: 5

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L.02866	L-.00558	L.00566	86.589	L.03171	.56505	L.00285
SDev	.00749	.02962	.00547	.129	.02220	.00313	.00001
%RSD	26.140	530.95	96.624	.14950	70.026	.55472	.41900
#1	L.03396	L.01537	L.00952	86.681	L.04740	.56283	L.00284
#2	L.02336	L-.02652	L.00179	86.498	L.01601	.56727	L.00286
Errors	LC Low	LC Low	LC Low	LC Pass	LC Low	LC Pass	LC Low
High	55.000	11.000	5.5000	550.00	11.000	11.000	5.5000
Low	.07500	.17000	.10000	.63000	.24500	.01000	.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L.00225	20.218	.16422	.06084	.12579	147.69	35.024
SDev	.00111	.036	.00027	.00187	.00472	.26	.104
%RSD	49.158	.17591	.16287	3.0815	3.7547	.17740	.29833
#1	L.00147	20.243	.16403	.05952	.12245	147.88	34.950
#2	L.00303	20.193	.16441	.06217	.12913	147.51	35.098
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	550.00	55.000	110.00	55.000	1100.0	1100.0
Low	.01500	.38500	.02000	.03500	.04000	.66500	.19000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.6999	L.01118	.10607	L-.00177	7.8651	L.03813	10.417
SDev	.0126	.00513	.00019	.00227	1.5391	.00171	.026
%RSD	.46731	45.921	.17552	128.02	19.569	4.4957	.24968
#1	2.6909	L.00755	.10621	L-.00337	6.7768	L.03692	10.435
#2	2.7088	L.01481	.10594	L-.00017	8.9535	L.03934	10.398
Errors	LC Pass	LC Low	LC Pass	LC Low	NOCHECK	LC Low	LC Pass
High	27.500	27.500	110.00	2.2000		22.000	55.000
Low	.01000	.10500	.05500	.03000		.23500	.01500

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.31452	.28146	L.02211	.01009	-.00322	.01070	.03763
SDev	.00216	.00052	.00002	.01559	.01481	.00160	.01044
%RSD	.68599	.18351	.07688	154.54	460.57	14.918	27.733
#1	.31605	.28183	L.02210	.02111	-.01369	.01183	.04501
#2	.31299	.28110	L.02212	-.00094	.00726	.00957	.03025
Errors	LC Pass	LC Pass	LC Low	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	.02000	.03500	.46000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.01899	.00112	.0934	.3482	2.737
SDev	.02223	.05551	.0002	.0016	.011
%RSD	117.07	4977.5	.1982	.4627	.3926
#1	-.03470	.04036	.0935	.3470	2.744
#2	-.00327	-.03813	.0933	.3493	2.729
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			55.00	5.500	55.00
Low			.0550	.0050	.2400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6763	--	--	--	--	--	--
SDev	11.59648	--	--	--	--	--	--
%RSD	.1714817	--	--	--	--	--	--
#1	6754	--	--	--	--	--	--
#2	6771	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: DNRCVS Operator: KT
Run Time: 11/01/00 21:56:52
Comment:
Mode: CONC Corr. Factor: 1

T only

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50398	1.7868	.21870	93.235	1.8360	2.4554	.05185
SDev	.00367	.0121	.00081	.124	.0060	.0157	.00005
%RSD	.72775	.67979	.36967	.13345	.32716	.64109	.09418
#1	.50139	1.7782	.21813	93.147	1.8318	2.4443	.05189
#2	.50657	1.7954	.21927	93.323	1.8403	2.4665	.05182
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05138	18.952	.35463	.55309	.37018	142.31	34.385
SDev	.00017	.000	.00138	.00280	.00089	.07	.107
%RSD	.32773	.00201	.38845	.50616	.24076	.04981	.31008
#1	.05126	18.952	.35365	.55111	.36955	142.36	34.310
#2	.05150	18.951	.35560	.55507	.37081	142.26	34.461
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.0137	.93867	.58982	.04358	3.7855	1.9237	10.071
SDev	.0161	.01111	.00211	.00044	.0455	.0026	.003
%RSD	.53462	1.1840	.35846	1.0016	1.2030	.13692	.02880
#1	3.0023	.93081	.58833	.04327	3.8177	1.9218	10.069
#2	3.0251	.94653	.59132	.04389	3.7533	1.9255	10.073
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.77927	.74752	.00539	.21958	.21693	.50074	.50560
SDev	.00136	.00406	.00640	.00174	.00106	.00043	.00528
%RSD	.17390	.54357	118.85	.79381	.49027	.08547	1.0453
#1	.77831	.74464	.00991	.21835	.21768	.50043	.50186
#2	.78023	.75039	.00086	.22081	.21618	.50104	.50934
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

001678

Units			ppm	ppm	ppm
rge	1.7771	1.7916	.0938	.3282	2.965
SDev	.0011	.0187	.0024	.0021	.005
%RSD	.05929	1.0458	2.606	.6424	.1558
#1	1.7779	1.7784	.0921	.3267	2.962
#2	1.7764	1.8049	.0956	.3297	2.968
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6742	--	--	--	--	--	--
SDev	28.14306	--	--	--	--	--	--
%RSD	.4174574	--	--	--	--	--	--
#1	6761	--	--	--	--	--	--
#2	6722	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: DNRCVD Operator: KT
Run Time: 11/01/00 22:04:55
C[illegible]ment:
M[illegible]e: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.51802	1.8303	.22023	90.856	1.8990	2.5780	.05286
SDev	.00311	.0013	.00440	.000	.0072	.0188	.00003
%RSD	.60089	.07243	1.9988	.00010	.37771	.72758	.06126
#1	.51582	1.8294	.21712	90.856	1.8939	2.5647	.05289
#2	.52022	1.8313	.22334	90.857	1.9041	2.5912	.05284
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05347	21.111	.36203	.57883	.42037	144.33	34.222
SDev	.00033	.017	.00191	.00348	.00090	.16	.133
%RSD	.61640	.07861	.52819	.60202	.21457	.11307	.38894
#1	.05324	21.123	.36068	.57637	.42101	144.45	34.128
#2	.05370	21.099	.36338	.58130	.41973	144.22	34.316
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
[illegible]gh	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.1723	.97205	.60684	.04544	3.8445	1.9920	9.7770
SDev	.0229	.01832	.00287	.00079	.3164	.0086	.0033
%RSD	.54967	1.8850	.47338	1.7413	8.2312	.43146	.03393
#1	4.1561	.95909	.60481	.04488	3.6207	1.9859	9.7793
#2	4.1885	.98500	.60887	.04600	4.0683	1.9981	9.7746
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.81154	.78184	.00546	.22302	.21464	.51467	.51969
SDev	.00106	.00493	.00640	.00486	.00349	.00715	.00110
%RSD	.13066	.63070	117.30	2.1772	1.6275	1.3897	.21090
#1	.81229	.77836	.00999	.21959	.21217	.50961	.51892
#2	.81079	.78533	.00093	.22645	.21711	.51972	.52047
[illegible]rors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
[illegible]igh	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	1.8168	1.8371	.0973	.3761	2.677
SDev	.0051	.0006	.0008	.0029	.013
%RSD	.28078	.03043	.8571	.7733	.4990
#1	1.8132	1.8375	.0979	.3741	2.668
#2	1.8204	1.8367	.0967	.3782	2.687
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6750	--	--	--	--	--	--
SDev	12.50177	--	--	--	--	--	--
%RSD	.1851983	--	--	--	--	--	--
#1	6759	--	--	--	--	--	--
#2	6742	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DNRC2 Operator: KT
Run Time: 11/01/00 22:12:58
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05176	-.00041	.00422	104.99	.03093	.91487	.00363
SDev	.00085	.00120	.00476	.02	.00073	.00428	.00005
%RSD	1.6356	295.72	112.57	.01741	2.3575	.46740	1.3659
#1	.05116	.00044	.00086	104.98	.03144	.91185	.00367
#2	.05236	-.00125	.00759	105.00	.03041	.91790	.00360
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00384	35.692	.17991	.06959	.18240	164.33	41.590
SDev	.00030	.057	.00016	.00025	.00032	.03	.096
%RSD	7.8197	.16051	.09174	.36227	.17401	.02060	.23099
#1	.00405	35.733	.18003	.06941	.18217	164.36	41.522
#2	.00362	35.652	.17979	.06977	.18262	164.31	41.658
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.8596	.00927	.12750	-.00156	9.5877	.00824	10.317
SDev	.0150	.00417	.00049	.00072	.1824	.00784	.012
%RSD	.38860	44.944	.38339	46.285	1.9023	95.070	.11555
#1	3.8490	.01222	.12784	-.00105	9.7166	.01378	10.308
#2	3.8702	.00633	.12715	-.00208	9.4587	.00270	10.325
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5.000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.32182	.39834	.00149	.00710	-.00153	.04476	.05525
SDev	.00088	.00168	.00637	.00565	.00297	.00133	.00193
%RSD	.27436	.42126	426.55	79.563	194.52	2.9712	3.4989
#1	.32245	.39716	.00600	.00310	-.00363	.04570	.05389
#2	.32120	.39953	-.00301	.01109	.00057	.04382	.05662
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
rge	-.00751	.00314	.0588	.4391	2.520
SDev	.00499	.00069	.0004	.0021	.010
%RSD	66.446	22.004	.7409	.4719	.3922
#1	-.00398	.00265	.0585	.4377	2.513
#2	-.01103	.00363	.0591	.4406	2.527
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6779	--	--	--	--	--	--
SDev	47.85677	--	--	--	--	--	--
%RSD	.7059770	--	--	--	--	--	--
#1	6813	--	--	--	--	--	--
#2	6745	--	--	--	--	--	--

Method: QTESTNAK Sample Name: CCVT Operator: KT
Run Time: 11/01/00 22:21:01
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49648	.49302	.49381	24.676	.49068	2.0019	2.0173
SDev	.00284	.00411	.00189	.169	.00169	.0084	.0057
%RSD	.57183	.83385	.38325	.68325	.34432	.41802	.28341
#1	.49849	.49593	.49247	24.795	.49188	2.0078	2.0213
#2	.49447	.49011	.49515	24.557	.48949	1.9960	2.0133
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	.55000	.55000	27.500	.55000	2.2000	2.2000
Low	.45000	.45000	.45000	22.500	.45000	1.8000	1.8000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49969	100.90	2.0059	2.0009	1.9818	25.152	98.133
SDev	.00167	.30	.0062	.0057	.0100	.061	.350
%RSD	.33387	.29280	.31112	.28675	.50203	.24230	.35633
#1	.50087	101.11	2.0103	2.0050	1.9889	25.195	98.380
#2	.49851	100.69	2.0015	1.9969	1.9748	25.109	97.886
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	110.00	2.2000	2.2000	2.2000	27.500	110.00
Low	.45000	90.000	1.8000	1.8000	1.8000	22.500	90.000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0061	1.9856	2.0123	.98840	51.205	.98901	2.0034
SDev	.0047	.0386	.0065	.00450	.353	.00179	.0071
%RSD	.23589	1.9457	.32082	.45500	.68915	.18083	.35258
#1	2.0095	1.9583	2.0169	.99158	51.454	.99027	2.0084
#2	2.0028	2.0129	2.0077	.98522	50.955	.98774	1.9984
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	2.2000	2.2000	2.2000	1.1000		1.1000	2.2000
Low	1.8000	1.8000	1.8000	.90000		.90000	1.8000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	2.0054	2.0002	1.9850	.49373	.49396	.49542	.49701
SDev	.0054	.0061	.0159	.00124	.00320	.00416	.00218
%RSD	.27162	.30420	.80055	.25143	.64714	.83987	.43844
#1	2.0093	2.0045	1.9962	.49286	.49170	.49836	.49855
#2	2.0016	1.9959	1.9738	.49461	.49622	.49248	.49547
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	2.2000	2.2000	2.2000				
Low	1.8000	1.8000	1.8000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.49591	.49158	1.965	2.010	2.106
SDev	.00862	.00186	.003	.007	.005
%RSD	1.7385	.37821	.1653	.3653	.2469
#1	.50201	.49289	1.967	2.015	2.102
#2	.48982	.49026	1.962	2.005	2.109
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			2.200	2.200	2.200
Low			1.800	1.800	1.800

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6678	--	--	--	--	--	--
SDev	39.00412	--	--	--	--	--	--
%RSD	.5840952	--	--	--	--	--	--
#1	6650	--	--	--	--	--	--
#2	6705	--	--	--	--	--	--

Analysis Report QC Standard 11/01/00 10:34:57 PM page 1

Method: QTESTNAK Sample Name: CCBT Operator: KT
Run Time: 11/01/00 22:29:04
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00034	-.00074	.00090	.00732	-.00486	-.00020	-.00007
SDev	.00169	.00342	.00003	.00362	.00008	.00000	.00007
%RSD	499.06	464.28	2.9661	49.484	1.6220	.00000	108.55
#1	-.00154	.00168	.00088	.00476	-.00492	-.00020	-.00012
#2	.00086	-.00315	.00092	.00989	-.00481	-.00020	-.00002
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.00500	.06000	.20000	.01000	.02000	.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00034	-.00141	-.00022	-.00084	-.00109	.01111	.00191
SDev	.00011	.00043	.00027	.00000	.00029	.00175	.00278
%RSD	31.300	30.334	127.28	.38843	26.856	15.760	145.96
#1	-.00027	-.00111	-.00041	-.00084	-.00130	.01235	.00387
#2	-.00042	-.00171	-.00002	-.00083	-.00089	.00987	-.00006
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00010	-.00001	.00049	-.00017	.14485	.00469	.00072
SDev	.00000	.00207	.00070	.00078	.23887	.00002	.00032
%RSD	.81162	13879.	143.84	451.27	164.91	.50332	44.735
#1	-.00010	.00145	.00098	-.00072	-.02406	.00471	.00094
#2	-.00010	-.00148	-.00001	.00038	.31375	.00468	.00049
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.01500	.04000	.04000	.01000	5.0000	.01000	.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	-.00024	-.00065	.00460	.00137	-.00003	-.00221	.00059
SDev	.00032	.00042	.00214	.00141	.00275	.00227	.00367
%RSD	135.91	65.171	46.471	103.22	7874.0	103.03	620.00
#1	-.00046	-.00095	.00309	.00037	.00191	-.00060	-.00201
#2	-.00001	-.00035	.00611	.00237	-.00198	-.00381	.00319
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.00000	.00000	.00000				
Range	.05000	.02000	.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.00397	-.00309	.0014	.0001	.0007
SDev	.00743	.00142	.0000	.0001	.0015
%RSD	187.09	45.955	1.305	141.4	221.9
#1	.00922	-.00208	.0014	.0000	.0017
#2	-.00128	-.00409	.0014	.0002	<.0000
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value			.0000	.0000	.0000
Range			.2000	.0500	.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6784	--	--	--	--	--	--
SDev	28.68029	--	--	--	--	--	--
%RSD	.4227538	--	--	--	--	--	--
#1	6764	--	--	--	--	--	--
#2	6804	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DNRC7 Operator: KT
Run Time: 11/01/00 22:35:00
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04578	-.00242	.00632	156.02	.03219	1.4729	.00553
SDev	.00057	.00113	.00604	.30	.00534	.0023	.00009
%RSD	1.2356	46.625	95.637	.19325	16.584	.15798	1.5811
#1	.04538	-.00322	.00204	156.23	.02842	1.4713	.00560
#2	.04618	-.00162	.01059	155.81	.03597	1.4746	.00547
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00455	41.830	.24775	.10632	.17226	215.79	62.173
SDev	.00015	.023	.00047	.00092	.00003	.38	.026
%RSD	3.2216	.05572	.19153	.86215	.01856	.17405	.04153
#1	.00466	41.846	.24742	.10567	.17224	216.05	62.191
#2	.00445	41.813	.24809	.10697	.17228	215.52	62.154
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.0252	.00928	.17053	-.00224	14.396	.00594	12.189
SDev	.0057	.00310	.00024	.00034	.195	.00153	.038
%RSD	.14091	33.396	.14258	15.166	1.3530	25.753	.30901
#1	4.0212	.01148	.17071	-.00248	14.258	.00486	12.216
#2	4.0292	.00709	.17036	-.00200	14.533	.00702	12.163
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5.000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.40057	.47093	.00341	.00787	.00321	.03051	.05341
SDev	.00002	.00032	.00859	.00887	.00037	.00179	.00005
%RSD	.00551	.06706	252.06	112.73	11.648	5.8681	.08583
#1	.40056	.47071	-.00267	.00160	.00294	.02925	.05344
#2	.40059	.47116	.00948	.01414	.00347	.03178	.05337
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.01143	.00208	.0558	.6448	2.650
SDev	.00476	.00407	.0014	.0013	.011
%RSD	41.637	195.76	2.419	.2057	.4204
#1	-.00806	-.00080	.0568	.6439	2.658
#2	-.01479	.00495	.0549	.6458	2.642
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6712	--	--	--	--	--	--
SDev	37.13726	--	--	--	--	--	--
%RSD	.5532751	--	--	--	--	--	--
#1	6686	--	--	--	--	--	--
#2	6739	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DNRDL Operator: KT
Run Time: 11/01/00 22:47:12
Comment:
de: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06375	.00036	.00778	151.99	.03164	1.1741	.00473
SDev	.00165	.00188	.00429	.06	.00047	.0081	.00000
%RSD	2.5851	523.48	55.095	.03931	1.4870	.69258	.03021
#1	.06491	-.00097	.00475	151.95	.03131	1.1684	.00473
#2	.06258	.00169	.01081	152.03	.03198	1.1799	.00473
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00402	44.809	.24024	.09404	.21588	214.67	71.748
SDev	.00050	.083	.00127	.00042	.00130	.22	.378
%RSD	12.514	.18538	.52654	.44531	.60219	.10456	.52651
#1	.00366	44.868	.23934	.09374	.21680	214.83	71.480
#2	.00438	44.750	.24113	.09433	.21496	214.51	72.015
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
igh	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.9542	.00761	.18861	-.00213	3.7420	.00768	12.398
SDev	.0178	.00317	.00136	.00033	.1330	.00134	.009
%RSD	.60391	41.642	.71921	15.497	3.5555	17.426	.07098
#1	2.9416	.00985	.18957	-.00189	3.8361	.00673	12.391
#2	2.9669	.00537	.18765	-.00236	3.6480	.00862	12.404
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.32342	.50857	.00504	.00823	.00688	.05395	.06864
SDev	.00089	.00151	.00216	.00805	.00325	.00556	.00031
%RSD	.27355	.29711	42.853	97.828	47.220	10.307	.44513
#1	.32404	.50750	.00657	.00254	.00918	.05788	.06842
#2	.32279	.50963	.00352	.01392	.00458	.05002	.06886
rrors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
igh	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.00776	.00441	.0474	.5016	3.340
SDev	.00538	.00551	.0010	.0042	.032
%RSD	69.337	124.88	2.142	.8343	.9481
#1	-.00395	.00052	.0481	.4986	3.318
#2	-.01156	.00831	.0467	.5045	3.363
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6671	--	--	--	--	--	--
SDev	2.064697	--	--	--	--	--	--
%RSD	.0309515	--	--	--	--	--	--
#1	6672	--	--	--	--	--	--
#2	6669	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DNRDN Operator: KT
Run Time: 11/01/00 22:55:15
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04991	L-.00952	.00380	170.03	.05553	1.6109	.00546
SDev	.00065	.00149	.00112	.05	.00004	.0011	.00005
%RSD	1.3013	15.686	29.504	.02954	.07546	.06617	.91333
#1	.04945	L-.01058	.00459	170.07	.05556	1.6102	.00543
#2	.05037	L-.00847	.00301	170.00	.05550	1.6117	.00550
Errors	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00571	251.05	.26624	.08884	.20284	231.28	77.204
SDev	.00012	.32	.00069	.00051	.00049	.22	.170
%RSD	2.1719	.12569	.25852	.56910	.24219	.09616	.22074
#1	.00562	251.27	.26673	.08920	.20319	231.44	77.324
#2	.00580	250.82	.26575	.08848	.20250	231.13	77.083
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.6291	.00843	.16748	-.00218	31.004	.00848	13.525
SDev	.0019	.00420	.00175	.00038	.201	.01305	.007
%RSD	.05304	49.835	1.0444	17.693	.64841	153.86	.04890
#1	3.6305	.01140	.16871	-.00190	31.146	.01770	13.520
#2	3.6277	.00546	.16624	-.00245	30.861	-.00075	13.529
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.46005	.47911	.00256	.00349	.00441	.03905	.05532
SDev	.00006	.00112	.00878	.00047	.00242	.00048	.00073
%RSD	.01416	.23298	343.24	13.571	54.792	1.2223	1.3292
#1	.46000	.47990	.00877	.00383	.00612	.03872	.05480
#2	.46010	.47832	-.00365	.00316	.00270	.03939	.05584
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.01906	-.00476	.0604	2.162	2.462
SDev	.00665	.00556	.0003	.002	.008
%RSD	34.892	116.84	.4227	.0742	.3148
#1	-.01436	-.00869	.0606	2.160	2.467
#2	-.02376	-.00083	.0603	2.163	2.456
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6606	--	--	--	--	--	--
SDev	26.64391	--	--	--	--	--	--
%RSD	.4033216	--	--	--	--	--	--
#1	6587	--	--	--	--	--	--
#2	6625	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DNRDP Operator: KT
Run Time: 11/01/00 23:01:10
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05429	L-.00529	.00629	215.97	.05717	1.0929	.00611
SDev	.00222	.00598	.00206	.06	.00464	.0017	.00004
%RSD	4.0992	113.13	32.721	.02919	8.1186	.15907	.60649
#1	.05271	L-.00951	.00484	216.02	.05389	1.0941	.00614
#2	.05586	-.00106	.00775	215.93	.06046	1.0916	.00609
Errors	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00619	15.706	.31415	.08641	.18483	277.72	74.664
SDev	.00019	.029	.00025	.00024	.00012	.33	.223
%RSD	3.1042	.18208	.08044	.28076	.06543	.11758	.29804
#1	.00633	15.726	.31432	.08624	.18492	277.95	74.821
#2	.00605	15.686	.31397	.08658	.18475	277.49	74.507
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.5001	.01093	.18918	-.00182	26.793	.00090	13.387
SDev	.0036	.00518	.00187	.00031	.109	.00440	.003
%RSD	.14451	47.428	.98843	17.007	.40556	488.38	.02110
#1	2.5027	.01459	.19051	-.00160	26.870	-.00221	13.385
#2	2.4976	.00726	.18786	-.00204	26.716	.00402	13.389
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.51682	.54547	.00068	.00710	.00468	.03655	.06314
SDev	.00063	.00237	.00443	.00433	.00249	.00193	.00430
%RSD	.12137	.43409	650.37	60.990	53.167	5.2841	6.8111
#1	.51726	.54715	.00381	.00404	.00644	.03792	.06010
#2	.51637	.54380	-.00245	.01016	.00292	.03519	.06618
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.01661	.00037	.0882	.3953	2.242
SDev	.00384	.01088	.0014	.0004	.015
%RSD	23.093	2961.5	1.532	.1137	.6504
#1	-.01390	-.00733	.0872	.3956	2.252
#2	-.01932	.00806	.0891	.3950	2.231
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6624	--	--	--	--	--	--
SDev	52.86314	--	--	--	--	--	--
%RSD	.7980185	--	--	--	--	--	--
#1	6587	--	--	--	--	--	--
#2	6662	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DNRDQ Operator: KT
Run Time: 11/01/00 23:07:06
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03440	-.00460	.00719	134.58	.05367	.81350	.00371
SDev	.00077	.00205	.00034	.13	.00056	.00383	.00001
%RSD	2.2441	44.643	4.8033	.09678	1.0449	.47035	.24420
#1	.03385	L-.00605	.00694	134.49	.05407	.81080	.00372
#2	.03494	-.00315	.00743	134.68	.05328	.81621	.00371
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00432	31.876	.20899	.07932	.24395	213.32	64.345
SDev	.00012	.020	.00047	.00112	.00035	.12	.188
%RSD	2.8473	.06180	.22703	1.4122	.14387	.05606	.29202
#1	.00423	31.862	.20865	.07853	.24420	213.24	64.213
#2	.00440	31.890	.20932	.08011	.24370	213.41	64.478
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.0145	.00592	.18901	-.00183	26.808	.00252	11.063
SDev	.0121	.00112	.00134	.00027	.189	.00877	.013
%RSD	.40010	18.976	.70674	14.815	.70404	347.86	.11308
#1	3.0060	.00513	.18807	-.00203	26.674	.00872	11.055
#2	3.0231	.00672	.18995	-.00164	26.941	-.00368	11.072
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.33552	.47748	.00119	.01065	.00024	.02281	.04018
SDev	.00016	.00137	.00432	.00123	.00143	.00324	.00046
%RSD	.04907	.28767	363.98	11.573	584.72	14.180	1.1389
#1	.33541	.47651	-.00187	.00978	.00126	.02052	.04050
#2	.33564	.47845	.00424	.01152	-.00077	.02510	.03986
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.02017	.00317	.0433	.2926	2.800
SDev	.00436	.00526	.0029	.0015	.021
%RSD	21.644	166.03	6.739	.5018	.7359
#1	-.01708	-.00055	.0412	.2916	2.785
#2	-.02325	.00689	.0453	.2937	2.814
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6639	--	--	--	--	--	--
SDev	27.91656	--	--	--	--	--	--
%RSD	.4205024	--	--	--	--	--	--
#1	6619	--	--	--	--	--	--
#2	6659	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DNRDW Operator: KT
Run Time: 11/01/00 23:15:09
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04963	-.00009	.00420	184.26	.05552	1.1058	.00552
SDev	.00213	.00061	.00098	.02	.00097	.0015	.00003
%RSD	4.2865	704.60	23.449	.01058	1.7543	.13995	.50118
#1	.04813	-.00052	.00350	184.25	.05621	1.1047	.00550
#2	.05114	.00034	.00490	184.27	.05483	1.1069	.00554
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00492	19.352	.28192	.10086	.15910	238.98	66.430
SDev	.00011	.027	.00016	.00110	.00014	.30	.062
%RSD	2.1330	.14119	.05534	1.0941	.08984	.12393	.09386
#1	.00499	19.333	.28181	.10008	.15920	238.78	66.385
#2	.00485	19.371	.28203	.10164	.15900	239.19	66.474
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.8971	.01300	.16565	-.00111	21.326	.00632	13.329
SDev	.0058	.00093	.00015	.00018	.081	.00528	.013
%RSD	.19853	7.1539	.08808	16.344	.38041	83.459	.09412
#1	2.8930	.01366	.16575	-.00098	21.268	.00259	13.321
#2	2.9012	.01234	.16555	-.00124	21.383	.01006	13.338
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.47890	.49446	.00217	.00545	.00170	.03573	.05657
SDev	.00008	.00014	.00880	.00120	.00056	.00117	.00261
%RSD	.01639	.02922	404.89	21.978	32.893	3.2743	4.6057
#1	.47896	.49456	.00839	.00460	.00130	.03490	.05473
#2	.47885	.49435	-.00405	.00630	.00209	.03656	.05841
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.00638	.00306	.0754	.3772	2.116
SDev	.00510	.00164	.0018	.0005	.009
%RSD	79.875	53.488	2.351	.1294	.4114
#1	-.00999	.00422	.0767	.3769	2.109
#2	-.00278	.00190	.0742	.3776	2.122
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6648	--	--	--	--	--	--
SDev	62.64938	--	--	--	--	--	--
%RSD	.9423256	--	--	--	--	--	--
#1	6604	--	--	--	--	--	--
#2	6693	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DNRD0 Operator: KT
Run Time: 11/01/00 23:23:13
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05310	-.00292	.01012	160.90	.04689	1.4251	.00480
SDev	.00030	.00005	.00012	.13	.00135	.0052	.00000
%RSD	.55951	1.8509	1.1946	.07811	2.8706	.36459	.08981
#1	.05331	-.00296	.01004	160.99	.04785	1.4214	.00480
#2	.05289	-.00288	.01021	160.81	.04594	1.4288	.00479
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00557	41.682	.24374	.09588	.22900	239.63	72.891
SDev	.00015	.056	.00085	.00027	.00071	.64	.079
%RSD	2.6307	.13467	.34923	.27964	.31078	.26540	.10873
#1	.00568	41.722	.24313	.09569	.22951	240.08	72.835
#2	.00547	41.643	.24434	.09607	.22850	239.18	72.947
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.9145	.01178	.19744	-.00217	21.329	.00268	13.850
SDev	.0156	.00314	.00065	.00051	.084	.00533	.030
%RSD	.26385	26.696	.33029	23.667	.39448	198.58	.21926
#1	5.9035	.01400	.19790	-.00181	21.388	-.00108	13.871
#2	5.9256	.00956	.19697	-.00253	21.269	.00645	13.828
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.42507	.68570	.00365	.01656	-.00278	.03935	.05996
SDev	.00129	.00112	.00212	.00003	.00043	.00060	.00015
%RSD	.30297	.16352	58.238	.21214	15.596	1.5314	.24108
#1	.42598	.68491	.00515	.01659	-.00309	.03978	.06006
#2	.42416	.68650	.00214	.01654	-.00247	.03892	.05986
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
vge	-.01988	.00554	.0862	.5253	2.566
SDev	.00304	.00160	.0022	.0018	.007
%RSD	15.286	28.821	2.516	.3505	.2585
#1	-.01773	.00441	.0878	.5240	2.561
#2	-.02202	.00667	.0847	.5266	2.571
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6769	--	--	--	--	--	--
SDev	10.38045	--	--	--	--	--	--
%RSD	.1533424	--	--	--	--	--	--
#1	6762	--	--	--	--	--	--
#2	6777	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DNRD4 Operator: KT
Run Time: 11/01/00 23:31:16
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04932	.00070	.00421	160.46	.04835	1.3041	.00543
SDev	.00036	.00254	.00201	.34	.00517	.0016	.00003
%RSD	.73905	362.11	47.709	.21393	10.684	.12430	.59536
#1	.04958	.00250	.00279	160.70	.04470	1.3029	.00545
#2	.04907	-.00109	.00564	160.21	.05200	1.3052	.00541
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00512	22.731	.25215	.10271	.22388	223.78	58.822
SDev	.00019	.028	.00009	.00002	.00018	.15	.115
%RSD	3.6231	.12322	.03605	.02209	.08278	.06691	.19490
#1	.00499	22.751	.25208	.10269	.22401	223.89	58.903
#2	.00525	22.711	.25221	.10272	.22375	223.68	58.741
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.3799	.01748	.16737	-.00133	26.959	.00443	14.016
SDev	.0008	.00309	.00103	.00021	.139	.00470	.014
%RSD	.01784	17.687	.61531	15.710	.51673	106.02	.10015
#1	4.3793	.01966	.16809	-.00148	27.057	.00111	14.006
#2	4.3804	.01529	.16664	-.00118	26.860	.00775	14.025
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.45040	.54459	-.00204	.00582	.00101	.03802	.05497
SDev	.00028	.00078	.00639	.00308	.00012	.00090	.00010
%RSD	.06234	.14410	313.08	52.865	12.026	2.3552	.18091
#1	.45060	.54514	-.00656	.00364	.00109	.03866	.05504
#2	.45020	.54403	.00248	.00799	.00092	.03739	.05490
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.00712	.00461	.0490	.3947	2.411
SDev	.00028	.00366	.0004	.0007	.007
%RSD	3.9649	79.553	.8705	.1871	.2848
#1	-.00692	.00720	.0493	.3942	2.416
#2	-.00732	.00202	.0487	.3953	2.406
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6750	--	--	--	--	--	--
SDev	55.46542	--	--	--	--	--	--
%RSD	.8217561	--	--	--	--	--	--
#1	6710	--	--	--	--	--	--
#2	6789	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DNRD6 Operator: KT
Run Time: 11/01/00 23:39:19
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05688	-.00256	.00383	190.30	.02267	.69237	.00485
SDev	.00222	.00105	.00158	.32	.00177	.00380	.00001
%RSD	3.9054	40.918	41.087	.16862	7.8266	.54944	.12183
#1	.05531	-.00182	.00272	190.53	.02141	.68968	.00485
#2	.05845	-.00330	.00495	190.07	.02392	.69506	.00485
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00374	28.441	.21134	.07490	.13297	174.33	51.223
SDev	.00008	.057	.00060	.00025	.00059	.29	.172
%RSD	2.2392	.20138	.28225	.33271	.44113	.16826	.33528
#1	.00380	28.481	.21092	.07472	.13339	174.54	51.102
#2	.00368	28.400	.21176	.07508	.13256	174.12	51.345
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.9997	.01169	.15319	-.00197	9.6121	.00195	11.607
SDev	.0210	.00421	.00044	.00020	.0576	.00405	.012
%RSD	.52418	36.068	.28933	10.079	.59911	207.94	.09947
#1	3.9849	.01467	.15287	-.00211	9.6529	-.00092	11.615
#2	4.0146	.00871	.15350	-.00183	9.5714	.00482	11.598
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.28795	.47729	.00578	.00632	-.00115	.03819	.06621
SDev	.00015	.00222	.00217	.00100	.00273	.00055	.00361
%RSD	.05307	.46564	37.569	15.781	236.68	1.4449	5.4462
#1	.28784	.47572	.00731	.00562	-.00309	.03858	.06366
#2	.28805	.47886	.00424	.00703	.00078	.03780	.06876
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
vge	-.01899	.00564	.0540	.3043	2.727
⌐Dev	.00800	.00242	.0020	.0019	.013
%RSD	42.138	42.970	3.640	.6129	.4679
#1	-.01333	.00393	.0526	.3030	2.718
#2	-.02465	.00735	.0554	.3056	2.736
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6666	--	--	--	--	--	--
SDev	11.48358	--	--	--	--	--	--
%RSD	.1722616	--	--	--	--	--	--
#1	6658	--	--	--	--	--	--
#2	6674	--	--	--	--	--	--

Analysis Report 11/01/00 11:53:14 PM page 1

Method: QTESTNAK Sample Name: DNREK Operator: KT
Run Time: 11/01/00 23:47:22
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06696	-.00306	.00731	190.52	.06651	1.2407	.00626
SDev	.00226	.00345	.00002	.16	.00089	.0006	.00009
%RSD	3.3767	112.54	.30300	.08470	1.3444	.04521	1.4773
#1	.06856	-.00063	.00729	190.41	.06587	1.2411	.00619
#2	.06536	L-.00550	.00732	190.64	.06714	1.2403	.00632
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00578	39.037	.29454	.14592	.36690	273.85	68.308
SDev	.00020	.017	.00050	.00059	.00001	.06	.141
%RSD	3.4224	.04449	.16925	.40581	.00185	.02131	.20691
#1	.00564	39.025	.29489	.14551	.36689	273.81	68.408
#2	.00592	39.049	.29418	.14634	.36690	273.89	68.208
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.2116	.01527	.22764	-.00306	27.545	.01066	14.500
SDev	.0038	.00507	.00078	.00035	.265	.00568	.018
%RSD	.07222	33.195	.34154	11.358	.96233	53.329	.12740
#1	5.2142	.01885	.22709	-.00330	27.358	.01468	14.487
#2	5.2089	.01168	.22819	-.00281	27.732	.00664	14.513
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.54928	.59711	.00509	.00875	.00442	.04849	.07618
SDev	.00167	.00029	.00202	.00181	.00370	.00489	.00583
%RSD	.30421	.04814	39.714	20.725	83.642	10.082	7.6537
#1	.54810	.59731	.00366	.01003	.00181	.04504	.08031
#2	.55046	.59690	.00653	.00747	.00704	.05195	.07206
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.01482	.00280	.0574	.4402	2.362
SDev	.00766	.00900	.0025	.0000	.006
%RSD	51.706	320.90	4.301	.0067	.2549
#1	-.02024	.00917	.0591	.4402	2.357
#2	-.00940	-.00356	.0556	.4402	2.366
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6780	--	--	--	--	--	--
SDev	49.29964	--	--	--	--	--	--
%RSD	.7271226	--	--	--	--	--	--
#1	6745	--	--	--	--	--	--
#2	6815	--	--	--	--	--	--

Method: QTESTNAK Sample Name: CCVT Operator: KT
Run Time: 11/01/00 23:55:25
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49830	.49535	.50079	24.724	.49269	2.0172	2.0187
SDev	.00003	.00080	.00172	.004	.00059	.0033	.0003
%RSD	.00644	.16191	.34291	.01779	.12000	.16184	.01681
#1	.49832	.49479	.49958	24.728	.49311	2.0149	2.0185
#2	.49827	.49592	.50201	24.721	.49227	2.0195	2.0190
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	.55000	.55000	27.500	.55000	2.2000	2.2000
Low	.45000	.45000	.45000	22.500	.45000	1.8000	1.8000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50108	100.75	2.0134	2.0088	1.9908	25.207	98.404
SDev	.00289	.01	.0029	.0020	.0001	.057	.065
%RSD	.57591	.00640	.14179	.09846	.00712	.22501	.06620
#1	.49904	100.75	2.0114	2.0074	1.9909	25.167	98.358
#2	.50312	100.76	2.0155	2.0102	1.9907	25.247	98.450
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	110.00	2.2000	2.2000	2.2000	27.500	110.00
Low	.45000	90.000	1.8000	1.8000	1.8000	22.500	90.000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0143	1.9889	2.0132	.99126	51.394	.99552	2.0110
SDev	.0026	.0469	.0002	.00014	.156	.00716	.0046
%RSD	.13124	2.3563	.00945	.01428	.30371	.71949	.22770
#1	2.0124	1.9557	2.0134	.99136	51.504	.99046	2.0077
#2	2.0161	2.0220	2.0131	.99116	51.283	1.0006	2.0142
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	2.2000	2.2000	2.2000	1.1000		1.1000	2.2000
Low	1.8000	1.8000	1.8000	.90000		.90000	1.8000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	2.0121	2.0070	1.9746	.50352	.49533	.49743	.49873
SDev	.0036	.0020	.0006	.00523	.00532	.00245	.00118
%RSD	.17862	.10066	.03178	1.0387	1.0737	.49280	.23575
#1	2.0096	2.0056	1.9751	.49982	.49909	.49917	.49790
#2	2.0146	2.0084	1.9742	.50721	.49157	.49570	.49956
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	2.2000	2.2000	2.2000				
Low	1.8000	1.8000	1.8000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
vge	.49550	.49528	1.977	2.018	2.114
SDev	.00053	.00147	.008	.002	.016
%RSD	.10652	.29598	.3937	.1123	.7737
#1	.49587	.49424	1.972	2.016	2.102
#2	.49513	.49632	1.983	2.019	2.125
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			2.200	2.200	2.200
Low			1.800	1.800	1.800

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6635	--	--	--	--	--	--
SDev	5.232521	--	--	--	--	--	--
%RSD	.0788650	--	--	--	--	--	--
#1	6638	--	--	--	--	--	--
#2	6631	--	--	--	--	--	--

Analysis Report QC Standard 11/02/00 00:09:22 AM page 1

Method: QTESTNAK Sample Name: CCBT Operator: KT
Run Time: 11/02/00 00:03:29
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00082	-.00404	.00365	-.01058	-.00532	-.00020	-.00013
SDev	.00010	.00074	.00223	.00400	.00400	.00000	.00000
%RSD	11.634	18.341	61.121	37.802	75.239	.00000	1.8456
#1	-.00075	-.00352	.00208	-.00775	-.00815	-.00020	-.00013
#2	-.00089	-.00456	.00523	-.01341	-.00249	-.00020	-.00013
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.00500	.06000	.20000	.01000	.02000	.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00023	.00520	-.00052	-.00056	-.00077	.01361	.00290
SDev	.00002	.00813	.00006	.00040	.00001	.01214	.00415
%RSD	9.2803	156.40	10.715	70.437	1.5263	89.245	143.24
#1	-.00021	.01095	-.00056	-.00028	-.00076	.02220	-.00004
#2	-.00024	-.00055	-.00048	-.00084	-.00077	.00502	.00583
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00010	-.00074	-.00025	.00023	.11721	.00755	.00071
SDev	.00000	.00104	.00035	.00007	.32405	.00381	.00033
%RSD	.21584	139.99	139.91	28.108	276.47	50.420	46.749
#1	-.00010	-.00147	-.00050	.00019	-.11193	.00486	.00047
#2	-.00010	-.00001	-.00000	.00028	.34635	Q.01025	.00094
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.01500	.04000	.04000	.01000	5.0000	.01000	.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	-.00023	-.00093	.00003	.00484	.00128	-.00101	-.00073
SDev	.00033	.00000	.00001	.00358	.00046	.00131	.00051
%RSD	139.25	.33425	24.878	73.869	35.629	129.25	70.122
#1	-.00000	-.00093	.00002	.00231	.00160	-.00009	-.00109
#2	-.00047	-.00093	.00003	.00737	.00096	-.00194	-.00037
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.00000	.00000	.00000				
Range	.05000	.02000	.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.00464	-.00374	.0007	.0000	.0024
SDev	.00269	.00245	.0010	.0000	.0032
%RSD	57.951	65.502	144.5	.0000	133.1
#1	-.00654	-.00201	.0014	.0000	.0047
#2	-.00274	-.00548	<.0000	.0000	.0001
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value			.0000	.0000	.0000
Range			.2000	.0500	.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6722	--	--	--	--	--	--
SDev	7.354186	--	--	--	--	--	--
%RSD	.1094080	--	--	--	--	--	--
#1	6717	--	--	--	--	--	--
#2	6727	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DN0TG Operator: KT
Run Time: 11/02/00 00:09:25
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.10575	-.00439	.00573	230.56	.04330	2.4454	.00681
SDev	.00098	.00030	.00629	.12	.00345	.0088	.00000
%RSD	.92663	6.7774	109.79	.05294	7.9773	.35910	.00707
#1	.10506	-.00460	.00128	230.47	.04086	2.4516	.00681
#2	.10645	-.00418	.01017	230.64	.04575	2.4392	.00681
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00963	138.43	.27885	.12396	.25874	266.21	74.390
SDev	.00034	.17	.00112	.00109	.00128	.10	.434
%RSD	3.4914	.12222	.40359	.87977	.49589	.03733	.58300
#1	.00986	138.55	.27965	.12473	.25783	266.28	74.696
#2	.00939	138.31	.27806	.12319	.25965	266.14	74.083
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.5466	.01370	.19669	-.00222	7.6349	.00189	12.112
SDev	.0265	.00402	.00024	.00049	.0635	.00387	.018
%RSD	.47865	29.354	.12474	21.932	.83105	204.39	.15057
#1	5.5653	.01654	.19686	-.00256	7.6798	.00463	12.099
#2	5.5278	.01085	.19651	-.00188	7.5901	-.00084	12.125
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.51943	.67585	.00247	.00654	.00410	.08923	.11401
SDev	.00044	.00365	.00631	.00782	.00321	.00027	.00133
%RSD	.08386	.54026	254.85	119.66	78.295	.30349	1.1701
#1	.51912	.67843	-.00198	.00101	.00183	.08904	.11306
#2	.51974	.67326	.00693	.01207	.00637	.08942	.11495
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.00872	-.00223	.0607	.8835	4.680
SDev	.00332	.00211	.0008	.0031	.010
%RSD	38.138	94.341	1.247	.3540	.2141
#1	-.00637	-.00372	.0612	.8857	4.673
#2	-.01107	-.00074	.0601	.8813	4.688
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6736	--	--	--	--	--	--
SDev	80.18584	--	--	--	--	--	--
%RSD	1.190411	--	--	--	--	--	--
#1	6679	--	--	--	--	--	--
#2	6793	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DN0TK Operator: KT
Run Time: 11/02/00 00:17:28
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05391	-.00252	.00454	146.96	.05532	1.5191	.00440
SDev	.00309	.00075	.00308	1.92	.00533	.0134	.00017
%RSD	5.7259	29.721	67.744	1.3093	9.6354	.88174	3.7813
#1	.05609	-.00305	.00672	148.32	.05909	1.5286	.00452
#2	.05173	-.00199	.00237	145.60	.05155	1.5097	.00428
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00582	104.13	.22566	.09070	.27669	217.45	75.909
SDev	.00011	1.52	.00336	.00118	.00513	3.09	.925
%RSD	1.8361	1.4583	1.4908	1.2954	1.8536	1.4215	1.2180
#1	.00575	105.20	.22804	.09153	.28032	219.64	76.563
#2	.00590	103.05	.22328	.08987	.27307	215.27	75.255
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.7176	.02425	.17563	-.00117	34.282	.00468	11.891
SDev	.0366	.00564	.00337	.00050	.752	.01333	.159
%RSD	.98450	23.244	1.9170	43.074	2.1930	285.13	1.3395
#1	3.7435	.02824	.17801	-.00081	34.813	.01410	12.004
#2	3.6917	.02026	.17325	-.00152	33.750	-.00475	11.778
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.42893	.52298	.00686	.00391	.00581	.04284	.05944
SDev	.00526	.00550	.00437	.00234	.00456	.00788	.00069
%RSD	1.2269	1.0520	63.675	59.777	78.484	18.398	1.1668
#1	.43265	.52687	.00994	.00556	.00903	.04841	.05993
#2	.42521	.51909	.00377	.00226	.00259	.03726	.05895
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.00825	.00034	.0441	.7315	3.956
SDev	.00644	.00434	.0015	.0062	.030
%RSD	78.131	1284.3	3.321	.8526	.7463
#1	-.00369	-.00273	.0431	.7359	3.977
#2	-.01280	.00341	.0451	.7271	3.935
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6623	--	--	--	--	--	--
SDev	86.40824	--	--	--	--	--	--
%RSD	1.304642	--	--	--	--	--	--
#1	6562	--	--	--	--	--	--
#2	6684	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DNWH4B-0300522 Operator: KT
Run Time: 11/02/00 00:27:36
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00117	-.00061	.00492	.01143	-.00042	.00019	-.00003
SDev	.00105	.00166	.00166	.00073	.00424	.00055	.00000
%RSD	90.116	273.75	33.639	6.3885	1004.1	284.90	.75495
#1	-.00191	.00057	.00609	.01195	.00258	.00058	-.00003
#2	-.00042	-.00178	.00375	.01091	-.00342	-.00020	-.00003
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.00500	.06000	.20000	.01000	.02000	.00500
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00040	.01059	.00174	-.00084	-.00007	.02709	.00775
SDev	.00023	.00001	.00034	.00000	.00034	.00000	.00002
%RSD	58.255	.11673	19.388	.01153	448.85	.01468	.21358
#1	-.00057	.01058	.00150	-.00084	.00016	.02709	.00776
#2	-.00024	.01060	.00198	-.00084	-.00031	.02709	.00774
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00029	-.00074	.00049	.00014	.41386	.00285	.00140
SDev	.00000	.00104	.00070	.00045	.07109	.00147	.00000
%RSD	.02198	139.92	142.42	316.13	17.176	51.704	.00887
#1	.00029	-.00001	.00099	-.00018	.36360	.00389	.00140
#2	.00029	-.00147	-.00000	.00046	.46413	.00181	.00140
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.01500	.04000	.04000	.01000	5.0000	.01000	.05000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	-.00001	.00150	.00611	.00724	.00029	-.00019	-.00165
SDev	.00000	.00000	.00429	.00430	.00364	.00235	.00040
%RSD	8.9131	.28227	70.224	59.463	1259.6	1225.7	24.464
#1	-.00001	.00150	.00308	.01028	-.00229	-.00185	-.00194
#2	-.00001	.00150	.00914	.00419	.00287	.00147	-.00137
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.05000	.02000	.10000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
vge	-.00020	-.00081	<.0000	.0001	.0305
SDev	.00266	.00382	.0000	.0001	.0010
%RSD	1329.1	470.72	1.539	141.4	3.422
#1	-.00208	.00189	<.0000	.0000	.0297
#2	.00168	-.00351	<.0000	.0002	.0312
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			.2000	.0500	.5000
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6738	--	--	--	--	--	--
SDev	.7354187	--	--	--	--	--	--
%RSD	.0109140	--	--	--	--	--	--
#1	6739	--	--	--	--	--	--
#2	6738	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DNWH4C Operator: KT
Run Time: 11/02/00 00:33:31
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49925	1.8960	.49406	1.9552	1.9225	2.0580	.05016
SDev	.00999	.0422	.01300	.0529	.0418	.0481	.00100
%RSD	2.0015	2.2249	2.6319	2.7044	2.1745	2.3374	2.0024
#1	.49218	1.8662	.48486	1.9178	1.8929	2.0239	.04945
#2	.50631	1.9258	.50325	1.9926	1.9521	2.0920	.05087
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.60000	2.4000	.60000	2.4000	2.4000	2.4000	.06000
Low	.40000	1.4000	.35000	1.6000	1.5000	1.6000	.04000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05232	L.01327	.21509	.53215	.25691	H1.3017	L.01625
SDev	.00084	.00193	.00459	.01291	.00584	.0319	.00210
%RSD	1.6026	14.519	2.1340	2.4267	2.2722	2.4472	12.917
#1	.05173	L.01191	.21185	.52302	.25278	H1.2792	L.01477
#2	.05292	L.01463	.21834	.54128	.26104	H1.3243	L.01774
Errors	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC High	LC Low
High	.06000	60.000	.24000	.60000	.30000	1.2500	60.000
Low	.04000	40.000	.16000	.40000	.20000	.80000	40.000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.52547	1.0023	.52650	.04629	.49656	2.0172	L.00182
SDev	.01189	.0369	.01273	.00002	.11889	.0549	.00000
%RSD	2.2621	3.6864	2.4186	.05245	23.942	2.7217	.05525
#1	.51707	.97617	.51750	.04627	.58062	1.9783	L.00182
#2	.53388	1.0284	.53551	.04630	.41249	2.0560	L.00182
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Low
High	.60000	1.2000	.60000	.06000		2.4000	1.2000
Low	.40000	.80000	.40000	.04000		1.6000	.80000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.51036	.50083	.00766	.49206	.49805	.50142	.49816
SDev	.01153	.01102	.00663	.01058	.01786	.01363	.00817
%RSD	2.2595	2.1996	86.573	2.1496	3.5863	2.7188	1.6410
#1	.50221	.49304	.00297	.48458	.48542	.49178	.49238
#2	.51851	.50862	.01235	.49954	.51068	.51106	.50395
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.60000	.60000					
Low	.40000	.40000					

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	1.8981	1.8950	L.0112	L.0001	.1434
SDev	.0459	.0403	.0013	.0001	.0037
%RSD	2.4179	2.1283	11.47	141.4	2.565
#1	1.8656	1.8664	L.0103	L.0002	.1408
#2	1.9305	1.9235	L.0121	L.0000	.1460
Errors	NOCHECK	NOCHECK	LC Low	LC Low	NOCHECK
High			1.200	1.200	
Low			.8000	.8000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6565	--	--	--	--	--	--
SDev	109.3754	--	--	--	--	--	--
%RSD	1.666043	--	--	--	--	--	--
#1	6642	--	--	--	--	--	--
#2	6488	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DNPXX Operator: KT
Run Time: 11/02/00 00:41:35
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06418	-.00342	.00699	302.32	.04025	2.4262	.00868
SDev	.00004	.00100	.00393	.05	.00219	.0014	.00003
%RSD	.06598	29.246	56.243	.01583	5.4457	.05813	.30058
#1	.06421	-.00271	.00421	302.29	.04180	2.4272	.00870
#2	.06415	-.00413	.00977	302.35	.03870	2.4252	.00866
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00820	35.997	.31627	.11346	.18116	317.10	68.252
SDev	.00012	.004	.00006	.00052	.00063	.10	.045
%RSD	1.4525	.01094	.01812	.45604	.35022	.03002	.06554
#1	.00811	36.000	.31623	.11382	.18161	317.04	68.283
#2	.00828	35.995	.31631	.11309	.18072	317.17	68.220
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.8863	.00995	.23202	-.00289	8.9454	.01573	10.373
SDev	.0029	.00494	.00116	.00020	.1349	.00017	.008
%RSD	.05906	49.664	.50130	6.9423	1.5076	1.0739	.08191
#1	4.8883	.01345	.23285	-.00303	9.0408	.01585	10.367
#2	4.8842	.00646	.23120	-.00274	8.8500	.01561	10.379
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.59499	.58047	.00622	.00876	.00344	.03892	.07679
SDev	.00003	.00136	.00630	.00671	.00164	.00114	.00063
%RSD	.00450	.23392	101.25	76.630	47.807	2.9218	.82206
#1	.59497	.58143	.01067	.00401	.00460	.03812	.07723
#2	.59501	.57951	.00177	.01350	.00228	.03973	.07634
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.00603	-.00212	.0461	.5288	1.226
SDev	.00252	.00024	.0018	.0004	.005
%RSD	41.843	11.329	3.919	.0836	.3858
#1	-.00425	-.00195	.0448	.5291	1.229
#2	-.00782	-.00229	.0474	.5285	1.223
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6954	--	--	--	--	--	--
SDev	24.63549	--	--	--	--	--	--
%RSD	.3542768	--	--	--	--	--	--
#1	6936	--	--	--	--	--	--
#2	6971	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DNPXXP Operator: KT
Run Time: 11/02/00 00:49:38
Comment:
Mode: CONC Corr. Factor: 5

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L.06339	L-.01460	L.00440	305.11	L.02178	2.4994	.00882
SDev	.00728	.01334	.00036	.54	.01041	.0049	.00033
%RSD	11.489	91.354	8.2486	.17765	47.795	.19469	3.6998
#1	L.06854	L-.00517	L.00414	305.49	L.01442	2.5028	.00905
#2	L.05824	L-.02404	L.00465	304.72	L.02914	2.4959	.00859
Errors	LC Low	LC Low	LC Low	LC Pass	LC Low	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	5.5000
Low	.07500	.17000	.10000	.63000	.24500	.01000	.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L.00752	37.723	.33387	.11662	.18102	331.06	69.901
SDev	.00067	.058	.00045	.00144	.00081	.42	.285
%RSD	8.9474	.15246	.13474	1.2332	.44878	.12783	.40787
#1	L.00800	37.764	.33355	.11561	.18160	331.36	70.103
#2	L.00704	37.682	.33418	.11764	.18045	330.76	69.699
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	550.00	55.000	110.00	55.000	1100.0	1100.0
Low	.01500	.38500	.02000	.03500	.04000	.66500	.19000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.1015	L.01146	.24540	L.00138	14.580	L.00748	10.762
SDev	.0066	.01032	.00085	.00128	.379	.02397	.002
%RSD	.12900	90.053	.34836	93.174	2.5968	320.44	.02063
#1	5.1061	L.01876	.24480	L.00228	14.848	L-.00947	10.760
#2	5.0968	L.00416	.24601	L.00047	14.312	L.02443	10.763
Errors	LC Pass	LC Low	LC Pass	LC Low	NOCHECK	LC Low	LC Pass
High	27.500	27.500	110.00	2.2000		22.000	55.000
Low	.01000	.10500	.05500	.03000		.23500	.01500

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.60724	.62178	L.02153	.00433	.00454	.03007	.08003
SDev	.00262	.00022	.01069	.00744	.01382	.01546	.00320
%RSD	.43186	.03582	49.664	172.01	304.64	51.427	3.9974
#1	.60539	.62193	L.02909	-.00094	.01431	.04100	.08229
#2	.60910	.62162	L.01397	.00959	-.00524	.01913	.07776
Errors	LC Pass	LC Pass	LC Low	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	.02000	.03500	.46000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.02448	-.00967	L.0430	.5489	1.264
SDev	.04375	.00184	.0002	.0012	.012
%RSD	178.73	19.039	.4801	.2247	.9182
#1	.00646	-.01098	L.0432	.5498	1.272
#2	-.05541	-.00837	L.0429	.5480	1.255
Errors	NOCHECK	NOCHECK	LC Low	LC Pass	LC Pass
High			55.00	5.500	55.00
Low			.0550	.0050	.2400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6765	--	--	--	--	--	--
SDev	24.26778	--	--	--	--	--	--
%RSD	.3587404	--	--	--	--	--	--
#1	6748	--	--	--	--	--	--
#2	6782	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DNPXXS Operator: KT
Run Time: 11/02/00 00:55:33
mment:
ode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.52614	1.7308	.12993	342.14	1.7664	3.9199	.05624
SDev	.00201	.0115	.00333	.43	.0006	.0119	.00012
%RSD	.38307	.66189	2.5667	.12667	.03301	.30436	.21852
#1	.52471	1.7227	.12757	342.45	1.7660	3.9115	.05632
#2	.52756	1.7389	.13228	341.84	1.7668	3.9284	.05615
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05691	37.558	.52522	.60094	.44057	331.18	71.262
SDev	.00017	.018	.00175	.00086	.00149	.26	.092
%RSD	.29821	.04696	.33297	.14282	.33726	.07963	.12918
#1	.05679	37.571	.52398	.60033	.44162	331.37	71.197
#2	.05703	37.546	.52646	.60154	.43952	331.00	71.327
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
igh	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.8466	.83407	.72649	.04010	9.7127	1.8974	12.293
SDev	.0162	.00216	.00127	.00017	.1946	.0192	.001
%RSD	.27642	.25873	.17516	.43169	2.0037	1.0136	.00989
#1	5.8352	.83254	.72559	.04022	9.8504	1.8838	12.292
#2	5.8580	.83560	.72739	.03997	9.5751	1.9110	12.294
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	1.1040	1.0689	.00937	.13028	.12921	.49963	.53937
SDev	.0019	.0026	.00421	.00731	.00463	.00079	.00341
%RSD	.16887	.24552	44.952	5.6131	3.5859	.15742	.63302
#1	1.1053	1.0670	.00639	.12511	.13249	.50019	.53696
#2	1.1027	1.0707	.01235	.13546	.12593	.49908	.54178
rrors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	1.7273	1.7325	.0618	.5212	1.502
SDev	.0060	.0142	.0011	.0018	.004
%RSD	.34559	.81932	1.742	.3370	.2863
#1	1.7230	1.7225	.0626	.5200	1.499
#2	1.7315	1.7426	.0610	.5225	1.505
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6844	--	--	--	--	--	--
SDev	7.495401	--	--	--	--	--	--
%RSD	.1095111	--	--	--	--	--	--
#1	6839	--	--	--	--	--	--
#2	6850	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: DNPXXD Operator: KT
Run Time: 11/02/00 01:03:36
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.53524	1.7716	.13428	312.41	1.7891	3.1080	.05678
SDev	.00286	.0097	.00544	.21	.0063	.0046	.00001
%RSD	.53464	.54760	4.0510	.06756	.35372	.14686	.01511
#1	.53322	1.7647	.13043	312.56	1.7846	3.1112	.05679
#2	.53727	1.7785	.13812	312.26	1.7936	3.1047	.05678
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05696	35.445	.50865	.61079	.43100	314.12	67.854
SDev	.00001	.040	.00025	.00061	.00037	.41	.004
%RSD	.00957	.11354	.04967	.09990	.08540	.13034	.00552
#1	.05696	35.417	.50847	.61122	.43126	313.83	67.851
#2	.05696	35.474	.50883	.61036	.43074	314.41	67.856
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.5430	.85063	.72024	.04130	9.0439	1.9385	10.483
SDev	.0025	.01151	.00111	.00015	.0238	.0004	.003
%RSD	.04596	1.3528	.15472	.37358	.26303	.01946	.03077
#1	5.5412	.84249	.71945	.04120	9.0270	1.9382	10.485
#2	5.5448	.85877	.72103	.04141	9.0607	1.9387	10.481
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	1.0659	1.0470	.00620	.13184	.13916	.51594	.54488
SDev	.0001	.0018	.00197	.01096	.00562	.00153	.00505
%RSD	.00550	.16909	31.807	8.3152	4.0408	.29704	.92781
#1	1.0659	1.0483	.00481	.12409	.14314	.51702	.54131
#2	1.0659	1.0458	.00759	.13959	.13518	.51485	.54846
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	1.7836	1.7656	.0549	.4434	1.221
SDev	.0064	.0177	.0004	.0005	.004
%RSD	.35644	1.0035	.7355	.1135	.3505
#1	1.7881	1.7531	.0551	.4438	1.224
#2	1.7791	1.7782	.0546	.4431	1.217
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6908	--	--	--	--	--	--
SDev	48.25313	--	--	--	--	--	--
%RSD	.6984705	--	--	--	--	--	--
#1	6874	--	--	--	--	--	--
#2	6943	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DNP03 Operator: KT
Run Time: 11/02/00 01:11:40
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06258	-.00412	.00448	288.55	.03485	2.3063	.00827
SDev	.00124	.00291	.00188	.51	.00034	.0096	.00008
%RSD	1.9800	70.577	41.877	.17511	.97424	.41732	.93242
#1	.06170	-.00206	.00581	288.91	.03461	2.3131	.00832
#2	.06346	L-.00618	.00315	288.19	.03509	2.2995	.00821
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00784	36.129	.30367	.11133	.18555	304.70	62.909
SDev	.00006	.049	.00148	.00088	.00005	.15	.283
%RSD	.69550	.13564	.48605	.79243	.02580	.04821	.45015
#1	.00788	36.164	.30472	.11071	.18559	304.80	63.109
#2	.00780	36.095	.30263	.11196	.18552	304.59	62.709
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.5953	.01163	.21177	-.00275	9.4546	.01178	10.224
SDev	.0168	.00698	.00211	.00020	.0076	.00238	.007
%RSD	.36622	60.026	.99685	7.1047	.07996	20.197	.06468
#1	4.6072	.01656	.21326	-.00289	9.4599	.01010	10.229
#2	4.5834	.00669	.21027	-.00261	9.4492	.01346	10.219
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.57042	.54539	.00232	.00643	.00057	.03742	.07514
SDev	.00072	.00280	.00001	.00421	.00280	.00400	.00014
%RSD	.12633	.51339	.42277	65.465	487.77	10.685	.18439
#1	.56991	.54737	.00233	.00941	-.00141	.03459	.07524
#2	.57093	.54341	.00231	.00345	.00255	.04025	.07504
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
vge	-.00680	-.00278	.0430	.5461	1.532
SDev	.00773	.00822	.0019	.0022	.012
%RSD	113.70	295.47	4.363	.4078	.7952
#1	-.01227	.00303	.0417	.5477	1.540
#2	-.00133	-.00859	.0444	.5446	1.523
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6988	--	--	--	--	--	--
SDev	13.91599	--	--	--	--	--	--
%RSD	.1991275	--	--	--	--	--	--
#1	6979	--	--	--	--	--	--
#2	6998	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DNP1E Operator: KT
Run Time: 11/02/00 01:19:44
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06667	L-.00743	.00253	328.23	.03837	2.1847	.00869
SDev	.00319	.00732	.00170	.11	.00166	.0027	.00004
%RSD	4.7900	98.600	67.063	.03272	4.3161	.12555	.42060
#1	.06441	-.00225	.00133	328.15	.03954	2.1828	.00872
#2	.06892	L-.01261	.00373	328.30	.03720	2.1866	.00866
Errors	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00839	38.505	.33820	.11358	.20302	336.32	84.959
SDev	.00000	.054	.00009	.00096	.00123	.43	.063
%RSD	.02742	.14133	.02504	.84901	.60645	.12795	.07457
#1	.00839	38.543	.33814	.11426	.20389	336.63	85.004
#2	.00838	38.466	.33826	.11290	.20215	336.02	84.915
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.6119	.01356	.25317	-.00253	11.722	.00740	12.182
SDev	.0033	.00705	.00090	.00032	.107	.00673	.011
%RSD	.07116	51.979	.35447	12.629	.90951	90.938	.09217
#1	4.6096	.01854	.25254	-.00231	11.646	.01216	12.190
#2	4.6142	.00858	.25381	-.00276	11.797	.00264	12.174
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.62940	.63813	.01321	.00493	-.00228	.03961	.08017
SDev	.00014	.00043	.00605	.00309	.00109	.00201	.00579
%RSD	.02150	.06786	45.792	62.682	48.054	5.0723	7.2230
#1	.62931	.63843	.01749	.00274	-.00150	.04104	.07608
#2	.62950	.63782	.00893	.00711	-.00305	.03819	.08427
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.01149	-.00540	.0585	.5512	1.356
SDev	.01149	.00524	.0008	.0008	.006
%RSD	100.00	97.112	1.297	.1489	.4499
#1	-.00337	-.00169	.0590	.5507	1.361
#2	-.01962	-.00911	.0580	.5518	1.352
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	7051	--	--	--	--	--	--
SDev	24.94657	--	--	--	--	--	--
%RSD	.3537779	--	--	--	--	--	--
#1	7069	--	--	--	--	--	--
#2	7034	--	--	--	--	--	--

Method: QTESTNAK Sample Name: CCVT Operator: KT
Run Time: 11/02/00 01:25:39
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49730	.49887	.49723	24.758	.49145	2.0213	2.0168
SDev	.00268	.00819	.00773	.035	.00928	.0038	.0000
%RSD	.53983	1.6419	1.5545	.14049	1.8875	.18876	.00167
#1	.49540	.49308	.49176	24.783	.49801	2.0240	2.0168
#2	.49920	.50467	.50269	24.734	.48489	2.0186	2.0169
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	.55000	.55000	27.500	.55000	2.2000	2.2000
Low	.45000	.45000	.45000	22.500	.45000	1.8000	1.8000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50218	100.62	2.0183	2.0161	1.9922	25.211	98.647
SDev	.00013	.02	.0009	.0015	.0051	.018	.086
%RSD	.02622	.02227	.04552	.07275	.25695	.06965	.08739
#1	.50208	100.63	2.0177	2.0151	1.9958	25.199	98.586
#2	.50227	100.60	2.0190	2.0172	1.9885	25.223	98.708
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	110.00	2.2000	2.2000	2.2000	27.500	110.00
Low	.45000	90.000	1.8000	1.8000	1.8000	22.500	90.000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0190	1.9971	2.0202	.99073	51.311	.99061	2.0028
SDev	.0010	.0386	.0008	.00285	.224	.00138	.0027
%RSD	.04912	1.9352	.03964	.28750	.43743	.13954	.13404
#1	2.0183	1.9698	2.0197	.99274	51.470	.98964	2.0047
#2	2.0197	2.0245	2.0208	.98871	51.152	.99159	2.0009
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	2.2000	2.2000	2.2000	1.1000		1.1000	2.2000
Low	1.8000	1.8000	1.8000	.90000		.90000	1.8000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	2.0058	2.0137	1.9873	.49375	.50420	.50398	.49396
SDev	.0018	.0002	.0101	.01204	.00091	.00136	.00335
%RSD	.08835	.00974	.50719	2.4394	.18128	.26955	.67751
#1	2.0071	2.0139	1.9801	.48524	.50484	.50302	.49160
#2	2.0045	2.0136	1.9944	.50227	.50355	.50494	.49633
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	2.2000	2.2000	2.2000				
Low	1.8000	1.8000	1.8000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.50754	.49455	1.972	2.018	2.125
SDev	.00166	.01311	.005	.003	.019
%RSD	.32622	2.6502	.2460	.1602	.9075
#1	.50871	.48528	1.968	2.020	2.111
#2	.50636	.50382	1.975	2.016	2.139
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			2.200	2.200	2.200
Low			1.800	1.800	1.800

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6644	--	--	--	--	--	--
SDev	46.41459	--	--	--	--	--	--
%RSD	.6985919	--	--	--	--	--	--
#1	6611	--	--	--	--	--	--
#2	6677	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: CCBT' Operator: KT
Run Time: 11/02/00 01:35:48
mment:
ode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00034	-.00487	-.00007	.01111	.00128	.00019	-.00001
SDev	.00006	.00147	.00083	.00021	.00111	.00000	.00001
%RSD	17.666	30.132	1244.1	1.8882	87.119	.92530	70.310
#1	-.00038	-.00383	.00052	.01125	.00049	.00019	-.00002
#2	-.00030	Q-.00591	-.00065	.01096	.00207	.00019	-.00001
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.00500	.06000	.20000	.01000	.02000	.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00049	.00929	-.00002	-.00028	-.00020	.01345	.00860
SDev	.00003	.00051	.00011	.00000	.00038	.00168	.00131
%RSD	5.1947	5.4605	446.18	.29967	193.05	12.501	15.238
#1	-.00051	.00965	-.00010	-.00028	.00007	.01226	.00768
#2	-.00047	.00893	.00005	-.00028	-.00047	.01464	.00953
rrors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
alue	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00010	-.00003	-.00025	.00006	.30226	.00434	.00072
SDev	.00000	.00001	.00035	.00057	.18256	.00001	.00033
%RSD	.85960	24.768	135.45	924.58	60.398	.24344	45.660
#1	-.00010	-.00002	-.00050	.00047	.17317	.00435	.00049
#2	-.00010	-.00003	-.00001	-.00034	.43135	.00434	.00095
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.01500	.04000	.04000	.01000	5.0000	.01000	.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	-.00024	-.00096	-.00288	.00088	-.00197	-.00414	.00155
SDev	.00032	.00001	.00420	.00034	.00181	.00000	.00009
%RSD	136.72	.95676	145.98	38.099	92.093	.03247	5.8708
#1	-.00001	-.00095	.00009	.00112	-.00069	-.00414	.00149
#2	-.00047	-.00096	-.00585	.00064	-.00325	-.00414	.00162
rrors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.00000	.00000	.00000				
Range	.05000	.02000	.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
rge	.00184	-.00822	<.0000	.0000	.0023
SDev	.00182	.00311	.0020	.0000	.0025
%RSD	98.709	37.792	4152.	.0000	109.9
#1	.00056	-.00602	.0014	.0000	.0041
#2	.00312	-.01042	<.0000	.0000	.0005
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value			.0000	.0000	.0000
Range			.2000	.0500	.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6816	--	--	--	--	--	--
SDev	30.94283	--	--	--	--	--	--
%RSD	.4539494	--	--	--	--	--	--
#1	6794	--	--	--	--	--	--
#2	6838	--	--	--	--	--	--

STL LOS ANGELES

Précis

Metals Preparation

Batch: 0304272

The following information applies to all samples associated with the above batch number.

Prepared By: LM
Reviewed By: LM

Date/Time Initiated: 10/31/00 19:25
Date/Time Completed: 11/1/00 11600

Hot Plate/Block # 4 Temp* 95 °C Thermometer # M-H-04
*Thermometer correction applied. (CF +1.0 °C)

Spike Standards for LCS and MS/MSD samples.

	Volume	Lot #	Exp. Date
1. QSPK1A	1.0 mL	QSPK1A-091200-2	08/2002
2. QSPK1B	/ mL	QSKP1B-091200-1	08/2002
3. QSPK2A	/ mL	QSPK2A 072000-1	04/2002
4. QSPK2B	/ mL	QSPK2B-101600-1	12/2001

Reagents	Volume	Lot #
HNO_3	10.0 mL	6623 T09A058
H_2O_2	4.0 mL	5240T15A01
HCl	10.0 mL	5587 N41A07

SOP No. CORP-IP-0002, Revision 2, Date: 7/2/99

Method 3050B

Step 1. Thoroughly mix and weigh 1.0g (±0.01g) sample.
Step 2. Add 10 mL of 1:1 HNO_3.
Step 3. Cover and heat at 95°C for 10 min.
Step 4. Cool and add 5 mL conc. HNO_3, cover and heat at 95 °C for 30 min.
Step 5. If brown fumes observed, repeat last step until no fumes are evolved.
Step 6. Reduce volume to approx. 5 mL or heat for 2 hours. → 11:30
Step 7. Cool and add 2 mL of water and 3 Ml of 30% H_2O_2.
Step 8. Heat until effervescence subsides.
Step 9. Cool and add 1 mL H_2O_2 with heat effervescence is minimal.
Step 10. Reduce volume to approx. 5 mL or heat for 2 hours.
Step 11. Add 10 mL of conc. HCl and heat for 15 min.
Step 12. Cool, rinse and filter sample with DI water.
Step 13. Dilute to100 mL with DI water and mix sample.

Redigestion required - Samples/Reason: _____
Requested By: _____ Date: _____ Completed By: _____ Date: _____

Digestate Chain-of-Custody:
Relinquished By: [signature] Date: 11/01/00 Received By: LM Date: 11/01/00

N:\inorganics\metals\forms\Q_prep
10/18/00

RQC057

Severn Trent Laboratories, Inc.
METALS PREP LOG/BATCH SUMMARY

Run Date: 10/31/00
Time: 14:56:23

BATCH NUMBER: **0304272**

PREP DATE: 10/30/00
DUE DATE 10/24/00

INITIALS: 1057

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0J180165	DNCG1	01	X 1.01 g	g	g	g
SOLID	TO DUE DATE:		10/24/00			
E0J250275	DNRCV	01	X 1.01 g	g	g	g
SOLID	TO DUE DATE:		10/31/00			
	DNRCVS		1.00 g	g	g	g
	DNRCVD		1.01 g	g	g	g
E0J250275	DNRC2	01	X 1.00 g	g	g	g
SOLID	TO DUE DATE:		10/31/00			
E0J250275	DNRC7	01	X 1.01 g	g	g	g
SOLID	TO DUE DATE:		10/31/00			
E0J250275	DNRDL	01	X 1.02 g	g	g	g
SOLID	TO DUE DATE:		10/31/00			
E0J250275	DNRDN	01	X 1.00 g	g	g	g
SOLID	TO DUE DATE:		10/31/00			
E0J250275	DNRDP	01	X .99 g	g	g	g
SOLID	TO DUE DATE:		10/31/00			
E0J250275	DNRDQ	01	X .98 g	g	g	g
SOLID	TO DUE DATE:		10/31/00			
E0J250275	DNRDW	01	X .99 g	g	g	g
SOLID	TO DUE DATE:		10/31/00			
E0J250275	DNRD0	01	X .99 g	g	g	g
SOLID	TO DUE DATE:		10/31/00			
E0J250275	DNRD4	01	X .98 g	g	g	g
SOLID	TO DUE DATE:		10/31/00			
E0J250275	DNRD6	01	X 1.00 g	g	g	g
SOLID	TO DUE DATE:		10/31/00			
E0J250275	DNREK	01	X 1.01 g	g	g	g
SOLID	TO DUE DATE:		10/31/00			
E0J270306	DN0TG	01	X 1.00 g	g	g	g
SOLID	TO DUE DATE:		11/02/00			

RQC057

Severn Trent Laboratories, Inc.
METALS PREP LOG/BATCH SUMMARY

Run Date: 10/31/00
Time: 14:56:23

BATCH NUMBER: **0304272**

PREP DATE: 10/30/00
DUE DATE 10/24/00

INITIALS: 167

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0J270306	DN0TK	01	X 99 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		11/02/00			
E0J300000	DN2QGB	01	X 100 g	_____g	_____g	_____g
SOLID	DUE DATE:		0/00/00			
	DN2QGC		103 g	_____g	_____g	_____g

LEVEL 2
BLANK AND CHECK STANDARD ON BATCH _____
MS/MSD AND PDS ON BATCH _____
CURVE PREPPED FOR HG _____
CORRECT SPIKES ADDED _____
SPIKING SOLUTIONS DOCUMENTED ON BATCH LOG_____

COMMENTS: Final Vol : 100ml

B-BLANK/C-LCS/D-MSD/I-REANALYSIS/L-LCSD/P-SERIAL DLTN/S-MS/X-SAMP DUP/Y-SAMP CONF/Z-PDS

SPIKING WITNESSED BY _____

ICP ELEMENTS WITHIN THE BATCH:

AG AL AS BA BE CD CO CR CU MO NI PB SB SE TL VX ZN

MS/MSD 1:	ICP - 1	ICP - 2	GFAA	HG	ODD
MS/MSD 2:	ICP - 1	ICP - 2	GFAA	HG	ODD
MS/MSD 3:	ICP - 1	ICP - 2	GFAA	HG	ODD
CHECK :	ICP - 1	ICP - 2	GFAA	HG	ODD
CHECK DUP:	ICP - 1	ICP - 2	GFAA	HG	ODD
STANDARD NUMBERS	_____	_____	____	___	___

STL Los Angeles
Précis
CVAA Data Summary Cover Sheet

Mercury
Instrument ID: Leeman PS200 – M03
Leeman PS200 – M04

Analyst: JGA
Analytical Date: 10/24/00
Data File: H6010 24B
Corr. Coeff.: 0.9999

Analysis by SOP: 7470 - 245.1 - CORP-MT-0005SA Rev 1.1
7471 - 245.5 - CORP-MT-0007SA Rev 1.1 ✓

Batch	Lot/Project	Data Upload	Review/Release	Pkg.
0294554	EQJ180363	JGA 10/24/00		L3
	EQJ190191			L3
0293474	EQJ180163			L3
0294557	EQJ190191			
	EQJ190371			L3

Calibration Stds:
Preparation: Date 10/21/00 Time 1100
Calibration Stock Standard Concentration 10000 mg/L Lot# Hg-060800 Exp. Date 05/02
Intermediate Standard – 10000ug/L – requires 1000X dilution of Stock Std.
Cal Working Standard - 100ug/L - requires 100X dilution of Intermediate Std.
Std.1 - 0.2 ug/L 500X dilution of Cal Working Standard (0.2mL to 100mL)
Std.2 - 0.5 ug/L 200X dilution of Cal Working Standard (0.5mL to 100mL)
Std.3 - 1.0 ug/L 100X dilution of Cal Working Standard (1.0mL to 100mL)
Std.4 - 5.0 ug/L 20X dilution of Cal Working Standard (5.0mL to 100mL)
Std.5 - 10 ug/L 10X dilution of Cal Working Standard (10.0mL to 100mL)
Calibration Check Stds:
CRA - 0.2 ug/L - 500X dilution of Cal Working Standard (0.2mL to 100mL)
ICV Stock Standard Concentration 1000 mg/mL Lot# Hg-061300 Exp. Date 07/2001
ICV Working Standard - 500 ug/L - two dilutions of ICV Stock -first 100X then a 20X
ICV - 2.5 ug/L - 200X dilution of ICV Working Standard (0.5mL to 100mL)
CCV - 5.0 ug/L - 20X dilution of Cal Working Standard (5.0mL to 100mL)

Notes/Comments:

FURNACE DATA SHEET

File: HG01024B Element: HG__ Instrument: LEEMAN_____

Start Run Date: 10/24/00 End Run Date: 10/24/00

Correlation Coefficient: _~~1.000000~~ Slope: __0.000000 Intercept: __0.000000 1 of 3

0.9999 10/24/00

Concentration Units: Ug/L

#	SAMPLE ID	Time	Dil Factor	Sample (Absorb)	Sample (Conc)	%R/R	Flag		
1	S0	14:17	1.00		0.0000				
2	S0.2	14:19	1.00		0.2000				
3	S0.5	14:20	1.00		0.5000				
4	S1	14:22	1.00		1.0000				
5	S5	14:24	1.00		5.0000				
6	S10	14:26	1.00		10.0000				
7	S5	14:30	1.00		5.0000				
8	ICV	14:33	1.00		2.5100	100			
9	ICB	14:35	1.00		-0.0340			ND	
10	DNJTDB	14:37	1.00		-0.0240			ND	
11	DNJTDC	14:39	1.00		5.0300	101		0.838	
12	DND2E	14:41	1.00		0.1370			0.023	
13	DND2ES	14:43	1.00		1.2600	112		0.210	
14	DND2ED	14:44	1.00		1.4000	126		0.233	
15	DND2H	14:46	1.00		0.7110			0.118	
16	DND2K	14:48	1.00		0.0440			ND	
17	DND2M	14:50	1.00		0.4540			0.076	
18	DND2P	14:51	1.00		0.1610			0.027	
19	CCV1	14:53	1.00		4.9600	99			
20	CCB1	14:55	1.00		-0.0350			ND	
21	DND2R	14:57	1.00		0.2570			0.043	
22	DND2V	14:59	1.00		0.1110			0.018	
23	DND2X	15:00	1.00		0.0950			ND	
24	DND23	15:02	1.00		0.0830			ND	
25	DND29	15:04	1.00		0.3960			0.066	
26	DND3J	15:06	1.00		0.0220			ND	
27	DND3L	15:07	1.00		0.1480			0.025	
28	DNE7T	15:09	1.00		0.1370			0.023	
29	DNE8E	15:11	1.00		0.2840			0.047	
30	CCV2	15:13	1.00		4.8800	98			
31	CCB2	15:15	1.00		0.0590			ND	
32	DNE8F	15:17	1.00		0.2160			0.036	
33	DNE8L	15:18	1.00		-0.1020			ND	
34	DNE87	15:20	1.00		0.0280			ND	
35	DNE97	15:22	1.00		-0.0520				
36	DNFAE	15:24	1.00		-0.0480				
37	DNFA7	15:26	1.00		-0.0300				
38	DNGFGB	15:28	1.00		-0.0310				
39	DNGFCC	15:29	1.00		4.8800	98			
40	DNCE3	15:31	1.00		0.0560			ND	

Analyst: jga_____ QC Reviewer: _____

FURNACE DATA SHEET

File: HG01024B Element: HG__ Instrument: LEEMAN_____

Start Run Date: 10/24/00 End Run Date: 10/24/00

Correlation Coefficient: _~~1.000000~~ Slope: __0.000000 Intercept: __0.000000 2 of 3

0.9999 10/24/00

Concentration Units: Ug/L

#	SAMPLE ID	Time	Dil Factor	Sample (Absorb)	Sample (Conc)	%R/R	Flag		
41	DNCE3S	15:33	1.00		1.0600	106		0.177	
42	CCV3	15:35	1.00		4.9000	98			
43	CCB3	15:37	1.00		-0.1830			NP	
44	DNC3ED	15:39	1.00		1.0800	108		0.180	
45	DNCFA	15:41	1.00		0.6230			0.104	
46	DNCFL	15:43	1.00		0.0900			NP	
47	DNCF1	15:45	1.00		0.2180			0.036	
48	DNCGF	15:47	1.00		0.1830			0.030	
49	DNCGN	15:49	1.00		0.1580			0.026	
50	DNCHA	15:51	1.00		0.0840			NP	
51	DNCHG	15:52	1.00		0.2630			0.044	
52	DNCHL	15:54	1.00		0.3750			0.062	
53	CCV4	15:56	1.00		5.0000	100			
54	CCB4	15:58	1.00		-0.0560			NP	
55	DNCHP	16:00	1.00		0.4120			0.069	
56	DNCJC	16:02	1.00		0.1660			0.028	
7	DNCJH	16:04	1.00		0.1570			0.026	
58	DNCJJ	16:06	1.00		0.2780			0.046	
59	DNCJL	16:08	1.00		0.4500			0.075	
60	DNJKTB	16:10	1.00		-0.0860			NP	
61	DNJKTC	16:12	1.00		4.7700	~~0.795~~	95	0.795	10/24/00
62	DNFAG	16:13	1.00		0.2540			0.042	
63	DNFAM	16:15	1.00		0.1140			0.019	
64	DNFDE	16:17	1.00		0.3350			0.056	
65	CCV5	16:19	1.00		4.8900	98			
66	CCB5	16:21	1.00		-0.0560			NP	
67	DNFDR	16:23	1.00		0.1790			0.030	
68	DNGLR	16:25	1.00		1.4000			0.233	
69	DNGLV	16:27	1.00		0.0870			NP	
70	DNGLW	16:29	1.00		0.1850			0.031	
71	DNGL0	16:30	1.00		0.0770			NP	
72	DNGL2	16:32	1.00		0.5300			0.088	
73	DNGL3	16:34	1.00		0.1780			0.030	
74	DNGL5	16:36	1.00		0.0730			NP	
75	DNGL7	16:38	1.00		0.8430			0.140	
76	CCV6	16:40	1.00		4.8600	97			
77	CCB6	16:42	1.00		-0.0390			NP	
78	DNGL8	16:44	1.00		0.1700			0.028	
79	DNGL9	16:46	1.00		0.0170			NP	
80	DNGMA	16:48	1.00		0.8530			0.142	

Analyst: jga_____ QC Reviewer: _____

FURNACE DATA SHEET

3 of 3

File: HG01024B Element: HG__ Instrument: LEEMAN_____

Start Run Date: 10/24/00 End Run Date: 10/24/00

Correlation Coefficient: _~~1.000000~~ Slope: __0.000000 Intercept: __0.000000

0.9999 10/24/00 JG

Concentration Units: ug/L

#	SAMPLE ID	Time	Dil Factor	Sample (Absorb)	Sample (Conc)	%R/R	Flag		
81	DNGMD	16:50	1.00		0.1450			0.024	
82	DNGMDS	16:52	1.00		1.0400			0.173	
83	DNGMDD	16:54	1.00		1.1000			0.183	
84	DNGMF	16:56	1.00		0.1330			0.022	
85	DNGMG	16:58	1.00		0.2660			0.044	
86	DNGMJ	17:00	1.00		0.1240			0.021	
87	CCV7	17:02	1.00		4.9600	99			
88	CCB7	17:04	1.00		0.0660			ND	
89	DNGMK	17:06	1.00		0.1200			0.020	
90	CCV	17:08	1.00		4.9800	100			
91	CCB	17:10	1.00		0.0380	ND			
92									
93									
94									
95									
96									
97									
98									
99									
100									

Analyst: jga_____ QC Reviewer: _____

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Standard: 1 Rep: 1				Seq: 0	14:17:17 24 Oct 2000 HG			
Hg	.000	ppb	3087					
*** Standard: 2 Rep: 1				Seq: 1	14:19:05 24 Oct 2000 HG			
Hg	.200	ppb	14907					
*** Standard: 3 Rep: 1				Seq: 2	14:20:54 24 Oct 2000 HG			
Hg	.500	ppb	30512					
*** Standard: 4 Rep: 1				Seq: 3	14:22:42 24 Oct 2000 HG			
Hg	1.00	ppb	58972					
*** Standard: 5 Rep: 1				Seq: 4	14:24:31 24 Oct 2000 HG			
Hg	5.00	ppb	300826					
*** Standard: 6 Rep: 1				Seq: 5	14:26:22 24 Oct 2000 HG			
Hg	10.0	ppb	577861					
*** Standard: 5 Rep: 1				Seq: 6	14:30:15 24 Oct 2000 HG			
Hg	5.00	ppb	294616					

RunProt: HG-A | Err: hardware inoperable | Mode: Analyze

RunFold: HG01024B Seq: 7 Batch: RunPrep: prp7470

Prnt: R/T On Pump: On

Rev: 4.2 14:31:04 24 Oct 2000 Xmit: Off Gas: 0.70 LPM

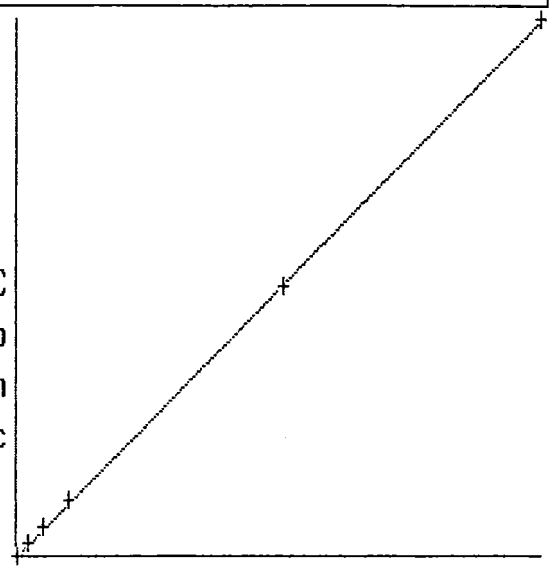
Idle None User: JGA A/S: On

CALIBRATION: Line proto: HG-A

	Hg Conc.	Calc.	Dev.	Accepted ->linear
S1	.000	.004	.004	Quadratic
S2	.200	.209	.009	Wtdlinear
S3	.500	.480	-.020	C
S4	1.00	.973	-.027	Accept o
S5	5.00	5.06	.060	n
S6	10.0	9.97	-.027	c

A .0000000 r .999965

B 1.73433e-5 C -4.92759e-2



Relative Absorbance

	Mean			
S1	3087	0	SD	3087
S2	14907	0	%RSD	14907
S3	30512	0	%RSD	30512
S4	58972	0	%RSD	58972
S5	294616	0	%RSD	294616
S6	577861	0	%RSD	577861

New cal coefficients stored

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: ICV					Seq: 7	14:33:40 24 Oct 2000 HG		
Hg	2.51	ppb	.000	2.51				
*** Sample ID: ICB					Seq: 8	14:35:47 24 Oct 2000 HG		
Hg	-.034	ppb	.000	-.034				
*** Sample ID: DNJTDB					Seq: 9	14:37:34 24 Oct 2000 HG		
Hg	-.024	ppb	.000	-.024				
*** Sample ID: DNJTDC					Seq: 10	14:39:27 24 Oct 2000 HG		
Hg	5.03	ppb	.000	5.03				
*** Sample ID: DND2E					Seq: 11	14:41:13 24 Oct 2000 HG		
Hg	.137	ppb	.000	.137				
*** Sample ID: DND2ES					Seq: 12	14:43:06 24 Oct 2000 HG		
Hg	1.26	ppb	.000	1.26				
*** Sample ID: DND2ED					Seq: 13	14:44:51 24 Oct 2000 HG		
Hg	1.40	ppb	.000	1.40				
*** Sample ID: DND2H					Seq: 14	14:46:35 24 Oct 2000 HG		
Hg	.711	ppb	.000	.711				
*** Sample ID: DND2K					Seq: 15	14:48:19 24 Oct 2000 HG		
Hg	.044	ppb	.000	.044				
*** Sample ID: DND2M					Seq: 16	14:50:04 24 Oct 2000 HG		
Hg	.454	ppb	.000	.454				
*** Sample ID: DND2P					Seq: 17	14:51:53 24 Oct 2000 HG		
Hg	.161	ppb	.000	.161				
*** Sample ID: CCV1					Seq: 18	14:53:46 24 Oct 2000 HG		
Hg	4.96	ppb	.000	4.96				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: CCB1				Seq:	19	14:55:29 24 Oct 2000 HG		
Hg	-.035	ppb	.000	-.035				
*** Sample ID: DND2R				Seq:	20	14:57:13 24 Oct 2000 HG		
Hg	.257	ppb	.000	.257				
*** Sample ID: DND2V				Seq:	21	14:59:09 24 Oct 2000 HG		
Hg	.111	ppb	.000	.111				
*** Sample ID: DND2X				Seq:	22	15:00:55 24 Oct 2000 HG		
Hg	.095	ppb	.000	.095				
*** Sample ID: DND23				Seq:	23	15:02:43 24 Oct 2000 HG		
Hg	.083	ppb	.000	.083				
*** Sample ID: DND29				Seq:	24	15:04:26 24 Oct 2000 HG		
Hg	.396	ppb	.000	.396				
*** Sample ID: DND3J				Seq:	25	15:06:09 24 Oct 2000 HG		
Hg	.022	ppb	.000	.022				
*** Sample ID: DND3L				Seq:	26	15:07:52 24 Oct 2000 HG		
Hg	.148	ppb	.000	.148				
*** Sample ID: DNE7T				Seq:	27	15:09:39 24 Oct 2000 HG		
Hg	.137	ppb	.000	.137				
*** Sample ID: DNE8E				Seq:	28	15:11:36 24 Oct 2000 HG		
Hg	.284	ppb	.000	.284				
*** Sample ID: CCV2				Seq:	29	15:13:19 24 Oct 2000 HG		
Hg	4.88	ppb	.000	4.88				
*** Sample ID: CCB2				Seq:	30	15:15:19 24 Oct 2000 HG		
Hg	.059	ppb	.000	.059				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: DNE8F					Seq: 31	15:17:07 24 Oct 2000 HG		
Hg	.216	ppb	.000	.216				
*** Sample ID: DNE8L					Seq: 32	15:18:55 24 Oct 2000 HG		
Hg	-.102	ppb	.000	-.102				
*** Sample ID: DNE87					Seq: 33	15:20:43 24 Oct 2000 HG		
Hg	.028	ppb	.000	.028				
*** Sample ID: DNE97					Seq: 34	15:22:28 24 Oct 2000 HG		
Hg	-.052	ppb	.000	-.052				
*** Sample ID: DNFAE					Seq: 35	15:24:14 24 Oct 2000 HG		
Hg	-.048	ppb	.000	-.048				
*** Sample ID: DNFA7					Seq: 36	15:26:08 24 Oct 2000 HG		
Hg	-.030	ppb	.000	-.030				
*** Sample ID: DNGFGB					Seq: 37	15:28:05 24 Oct 2000 HG		
Hg	-.031	ppb	.000	-.031				
*** Sample ID: DNGFCC					Seq: 38	15:29:50 24 Oct 2000 HG		
Hg	4.88	ppb	.000	4.88				
*** Sample ID: DNCE3					Seq: 39	15:31:39 24 Oct 2000 HG		
Hg	.056	ppb	.000	.056				
*** Sample ID: DNCE3S					Seq: 40	15:33:36 24 Oct 2000 HG		
Hg	1.06	ppb	.000	1.06				
*** Sample ID: CCV3					Seq: 41	15:35:27 24 Oct 2000 HG		
Hg	4.90	ppb	.000	4.90				
*** Sample ID: CCB3					Seq: 42	15:37:13 24 Oct 2000 HG		
Hg	-.183	ppb	.000	-.183				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: DNC3ED				Seq: 43	15:39:11 24 Oct 2000 HG			
Hg	1.08	ppb	.000	1.08				
*** Sample ID: DNCFA				Seq: 44	15:41:39 24 Oct 2000 HG			
Hg	.623	ppb	.000	.623				
*** Sample ID: DNCFL				Seq: 45	15:43:27 24 Oct 2000 HG			
Hg	.090	ppb	.000	.090				
*** Sample ID: DNCF1				Seq: 46	15:45:31 24 Oct 2000 HG			
Hg	.218	ppb	.000	.218				
*** Sample ID: DNCGF				Seq: 47	15:47:22 24 Oct 2000 HG			
Hg	.183	ppb	.000	.183				
*** Sample ID: DNCGN				Seq: 48	15:49:09 24 Oct 2000 HG			
Hg	.158	ppb	.000	.158				
*** Sample ID: DNCHA				Seq: 49	15:51:05 24 Oct 2000 HG			
Hg	.084	ppb	.000	.084				
*** Sample ID: DNCHG				Seq: 50	15:52:51 24 Oct 2000 HG			
Hg	.263	ppb	.000	.263				
*** Sample ID: DNCHL				Seq: 51	15:54:41 24 Oct 2000 HG			
Hg	.375	ppb	.000	.375				
*** Sample ID: CCV4				Seq: 52	15:56:49 24 Oct 2000 HG			
Hg	5.00	ppb	.000	5.00				
*** Sample ID: CCB4				Seq: 53	15:58:46 24 Oct 2000 HG			
Hg	-.056	ppb	.000	-.056				
*** Sample ID: DNCHP				Seq: 54	16:00:46 24 Oct 2000 HG			
Hg	.412	ppb	.000	.412				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: DNCJC					Seq: 55	16:02:36 24 Oct 2000 HG		
Hg	.166	ppb	.000	.166				
*** Sample ID: DNCJH					Seq: 56	16:04:34 24 Oct 2000 HG		
Hg	.157	ppb	.000	.157				
*** Sample ID: DNCJJ					Seq: 57	16:06:24 24 Oct 2000 HG		
Hg	.278	ppb	.000	.278				
*** Sample ID: DNCJL					Seq: 58	16:08:13 24 Oct 2000 HG		
Hg	.450	ppb	.000	.450				
*** Sample ID: DNJKTB					Seq: 59	16:10:02 24 Oct 2000 HG		
Hg	-.086	ppb	.000	-.086				
*** Sample ID: DNJKTC					Seq: 60	16:12:01 24 Oct 2000 HG		
Hg	4.77	ppb	.000	4.77				
*** Sample ID: DNFAG					Seq: 61	16:13:49 24 Oct 2000 HG		
Hg	.254	ppb	.000	.254				
*** Sample ID: DNFAM					Seq: 62	16:15:38 24 Oct 2000 HG		
Hg	.114	ppb	.000	.114				
*** Sample ID: DNFDE					Seq: 63	16:17:27 24 Oct 2000 HG		
Hg	.335	ppb	.000	.335				
*** Sample ID: CCV5					Seq: 64	16:19:21 24 Oct 2000 HG		
Hg	4.89	ppb	.000	4.89				
*** Sample ID: CCB5					Seq: 65	16:21:24 24 Oct 2000 HG		
Hg	-.056	ppb	.000	-.056				
*** Sample ID: DNFDR					Seq: 66	16:23:14 24 Oct 2000 HG		
Hg	.179	ppb	.000	.179				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: DNGLR					Seq: 67	16:25:12 24 Oct 2000 HG		
Hg	1.40	ppb	.000	1.40				
*** Sample ID: DNGLV					Seq: 68	16:27:03 24 Oct 2000 HG		
Hg	.087	ppb	.000	.087				
*** Sample ID: DNGLW					Seq: 69	16:29:03 24 Oct 2000 HG		
Hg	.185	ppb	.000	.185				
*** Sample ID: DNGL0					Seq: 70	16:30:53 24 Oct 2000 HG		
Hg	.077	ppb	.000	.077				
*** Sample ID: DNGL2					Seq: 71	16:32:46 24 Oct 2000 HG		
Hg	.530	ppb	.000	.530				
*** Sample ID: DNGL3					Seq: 72	16:34:45 24 Oct 2000 HG		
Hg	.178	ppb	.000	.178				
*** Sample ID: DNGL5					Seq: 73	16:36:45 24 Oct 2000 HG		
Hg	.073	ppb	.000	.073				
*** Sample ID: DNGL7					Seq: 74	16:38:56 24 Oct 2000 HG		
Hg	.843	ppb	.000	.843				
*** Sample ID: CCV6					Seq: 75	16:40:58 24 Oct 2000 HG		
Hg	4.86	ppb	.000	4.86				
*** Sample ID: CCB6					Seq: 76	16:42:50 24 Oct 2000 HG		
Hg	-.039	ppb	.000	-.039				
*** Sample ID: DNGL8					Seq: 77	16:44:50 24 Oct 2000 HG		
Hg	.170	ppb	.000	.170				
*** Sample ID: DNGL9					Seq: 78	16:46:55 24 Oct 2000 HG		
Hg	.017	ppb	.000	.017				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: DNGMA					Seq: 79	16:48:47 24 Oct 2000 HG		
Hg	.853	ppb	.000	.853				
*** Sample ID: DNGMD					Seq: 80	16:50:50 24 Oct 2000 HG		
Hg	.145	ppb	.000	.145				
*** Sample ID: DNGMDS					Seq: 81	16:52:43 24 Oct 2000 HG		
Hg	1.04	ppb	.000	1.04				
*** Sample ID: DNGMDD					Seq: 82	16:54:55 24 Oct 2000 HG		
Hg	1.10	ppb	.000	1.10				
*** Sample ID: DNGMF					Seq: 83	16:56:47 24 Oct 2000 HG		
Hg	.133	ppb	.000	.133				
*** Sample ID: DNGMG					Seq: 84	16:58:40 24 Oct 2000 HG		
Hg	.266	ppb	.000	.266				
*** Sample ID: DNGMJ					Seq: 85	17:00:42 24 Oct 2000 HG		
Hg	.124	ppb	.000	.124				
*** Sample ID: CCV7					Seq: 86	17:02:35 24 Oct 2000 HG		
Hg	4.96	ppb	.000	4.96				
*** Sample ID: CCB7					Seq: 87	17:04:29 24 Oct 2000 HG		
Hg	.066	ppb	.000	.066				
*** Sample ID: DNGMK					Seq: 88	17:06:46 24 Oct 2000 HG		
Hg	.120	ppb	.000	.120				
*** Sample ID: CCV					Seq: 89	17:08:38 24 Oct 2000 HG		
Hg	4.98	ppb	.000	4.98				
*** Sample ID: CCB					Seq: 90	17:10:31 24 Oct 2000 HG		
Hg	.038	ppb	.000	.038				

RQC057

Severn Trent Laboratories, Inc.
METALS PREP LOG/BATCH SUMMARY

Run Date: 10/20/00
Time: 17:49:55

BATCH NUMBER: **0294554**

PREP DATE: 10/21/00
DUE DATE 10/24/00

INITIALS: JR

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0J180363	DND2E	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/24/00			
	DND2ES		_____g	0.59 g	_____g	_____g
	DND2ED		_____g	0.59 g	_____g	_____g
E0J180363	DND2H	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/24/00			
E0J180363	DND2K	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/24/00			
E0J180363	DND2M	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/24/00			
E0J180363	DND2P	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/24/00			
E0J180363	DND2R	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/24/00			
E0J180363	DND2V	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/24/00			
E0J180363	DND2X	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/24/00			
E0J180363	DND23	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/24/00			
E0J180363	DND29	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/24/00			
E0J180363	DND3J	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/24/00			
E0J180363	DND3L	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/24/00			
E0J190191	DNE7T	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/25/00			
E0J190191	DNE8E	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/25/00			

RQC057

Severn Trent Laboratories, Inc.
METALS PREP LOG/BATCH SUMMARY

Run Date: 10/20/00
Time: 17:49:55

BATCH NUMBER: **0294554**

PREP DATE: 10/21/00
DUE DATE 10/24/00

INITIALS: JP

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0J190191	DNE8F	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/25/00			
E0J190191	DNE8L	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/25/00			
E0J190191	DNE87	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/25/00			
E0J190191	DNE97	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/25/00			
E0J190191	DNFAE	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/25/00			
E0J190191	DNFA7	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/25/00			
E0J200000	DNJTDB	01	_____g	X 0.60 g	_____g	_____g
SOLID	DUE DATE:		0/00/00			
	DNJTDC		_____g	0.62 g	_____g	_____g

LEVEL 2
BLANK AND CHECK STANDARD ON BATCH _____
MS/MSD AND PDS ON BATCH _____
CURVE PREPPED FOR HG _____
CORRECT SPIKES ADDED _____
SPIKING SOLUTIONS DOCUMENTED ON BATCH LOG_____

COMMENTS: F.V. = 100 ML

B-BLANK/C-LCS/D-MSD/I-REANALYSIS/L-LCSD/P-SERIAL DLTN/S-MS/X-SAMP DUP/Y-SAMP CONF/Z-PDS

SPIKING WITNESSED BY _____

STL LOS ANGELES

Précis

Metals Preparation

Batch: 0294554

The following information applies to all samples associated with the above batch number.

Prepared By: _____ Date/Time Initiated: 10/21/00 / 1100

Reviewed By: _____ Date/Time Completed: 1 / 1130

Water Bath # 6 Temp* 95 °C Thermometer # M-H-01

*Thermometer correction applied. (CF + 2.0°C)

Spike Standards for LCS, MS/MSD and ICV samples (*Volume of Working standard).

	*Volume	Lot #	Exp. Date
1. Hg Cal (MS)	1 mL	Hg-060800	05/2002
2. Hg Cal (LCS)	5 mL	Hg-060800	05/2002
3. Hg ICV	0.5 mL	Hg-061300	07/2001

Preparation

Reagents	Volume	Lot #
*HNO_3	1.25 mL	6623 T09A05
*HCl	3.75 mL	5587 N41A07
$KMnO_4$	15 mL	995929
$K_2S_2O_8$	8.0 mL	997008

* 3 HCl : 1HNO_3 as Aqua Regia

Analysis

Reagents	Volume	Lot#
NH_2OH-HCl+	6.0 mL	995700+
NaCl		995717
$SnCl_2$ +	Controlled by	005668+
HCl	instrument	5587 N41A07

SOP No. CORP-IP-0007SA, Revision 1.1, Date: 7/10/96

Method 7471A/245.5

Sample size 0.6 g (well mixed)

Step 1. **Standards**-Add 5 mL of aqua regia and mix.
Samples-Add 5 mL of DI water and 5 mL of aqua regia and mix.
Step 2. Heat for 2 min. at 95 °C ±5 °C.
Step 3. Cool
Step 4. Add 50 mL of DI water and mix.
Step 3. Add 15 mL of $KMnO_4$ and mix.
Step 4. Add 8 mL of $K_2S_2O_8$ and mix
Step 5. Heat at 95 °C ±5 °C for 30 min.
Step 6. Cool
Step 7. Add 6 mL of NH_2OH-HCl and mix.
Step 8. **Standards**-Add 50 mL of DI water and mix.
Samples- Add 55 mL of DI water and mix.

Standards to be prepared with each batch

To each standard add DI water for a total vol. of 10 mL

Standard	Concentration (mg/L)
Std. 0/ICB/CCB	0
Std. 1	0.0002
Std. 2	0.0005
Std. 3	0.001
Std. 4/CCV	0.005
Std. 5	0.010
ICV	0.0025

Redigestion required - Samples/Reason: _____

Requested By: _____ Date: _____ Completed By: _____ Date: _____

Digestate Chain-of-Custody:

Relinquished By: _____ Date: 10/24/00 Received By: _____ Date: 10/24/00

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10/20/00

RQC057

Severn Trent Laboratories, Inc.
METALS PREP LOG/BATCH SUMMARY

Run Date: 10/24/00
Time: 19:00:22

BATCH NUMBER: **0293474**

PREP DATE: 10/20/00
DUE DATE 10/24/00

INITIALS: KT

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0J180165	DNCE3	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/24/00			
	DNCE3S		_____g	0.59 g	_____g	_____g
	DNCE3D		_____g	0.59 g	_____g	_____g
E0J180165	DNCFA	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/24/00			
E0J180165	DNCFL	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/24/00			
E0J180165	DNCF1	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/24/00			
E0J180165	DNCGF	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/24/00			
E0J180165	DNCGN	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/24/00			
E0J180165	DNCHA	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/24/00			
E0J180165	DNCHG	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/24/00			
E0J180165	DNCHL	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/24/00			
E0J180165	DNCHP	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/24/00			
E0J180165	DNCJC	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/24/00			
E0J180165	DNCJH	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/24/00			
E0J180165	DNCJJ	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/24/00			
E0J180165	DNCJL	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/24/00			

RQC057

Severn Trent Laboratories, Inc.
METALS PREP LOG/BATCH SUMMARY

Run Date: 10/24/00
Time: 19:00:22

BATCH NUMBER: **0293474**

PREP DATE: 10/20/00
DUE DATE 10/24/00

INITIALS: BT

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0J190000	DNGFGB	01	_____g	X ~~0.59~~ 0.60 g	_____g	_____g
SOLID	DUE DATE:		0/00/00			
	DNGFGC		_____g	0.62 g 10/21/00	_____g	_____g

LEVEL 2
BLANK AND CHECK STANDARD ON BATCH _____
MS/MSD AND PDS ON BATCH _____
CURVE PREPPED FOR HG _____
CORRECT SPIKES ADDED _____
SPIKING SOLUTIONS DOCUMENTED ON BATCH LOG_____

COMMENTS: F.V. = 100 ML

B-BLANK/C-LCS/D-MSD/I-REANALYSIS/L-LCSD/P-SERIAL DLTN/S-MS/X-SAMP DUP/Y-SAMP CONF/Z-PDS

SPIKING WITNESSED BY _____

ICP ELEMENTS WITHIN THE BATCH:

MS/MSD 1:	ICP - 1	ICP - 2	GFAA	HG	ODD
MS/MSD 2:	ICP - 1	ICP - 2	GFAA	HG	ODD
MS/MSD 3:	ICP - 1	ICP - 2	GFAA	HG	ODD
CHECK :	ICP - 1	ICP - 2	GFAA	HG	ODD
CHECK DUP:	ICP - 1	ICP - 2	GFAA	HG	ODD
STANDARD NUMBERS	_____	_____	____	___	___

STL LOS ANGELES

Précis

Metals Preparation

Batch: 0293474

The following information applies to all samples associated with the above batch number.

Prepared By: [signature] Date/Time Initiated: 8/21/0 ~~1200~~ / 1200

Reviewed By: [signature] Date/Time Completed: 8 / 1230

Water Bath # 6 Temp* 95 °C Thermometer # M-H-01

*Thermometer correction applied. (CF + 2.0°C)

10/21/00 [signature]

Spike Standards for LCS, MS/MSD and ICV samples (*Volume of Working standard).

	*Volume	Lot #	Exp. Date
1. Hg Cal (MS)	1 mL	Hg-060800	05/2002
2. Hg Cal (LCS)	5 mL	Hg-060800	05/2002
3. Hg ICV	0.5 mL	Hg-061300	07/2001

Preparation Reagents	Volume	Lot #	Analysis Reagents	Volume	Lot#
*HNO_3	1.25 mL	6623 T09A05	NH_2OH-HCl+	6.0 mL	995700+
*HCl	3.75 mL	5587 N41A07	NaCl		995717
$KMnO_4$	15 mL	995929	$SnCl_2$ +	Controlled by	005668+
$K_2S_2O_8$	8.0 mL	997008	HCl	instrument	5587 N41A07

* 3 HCl : 1HNO_3 as Aqua Regia

SOP No. CORP-IP-0007SA, Revision 1.1, Date: 7/10/96

Method 7471A/245.5

Sample size 0.6 g (well mixed)

Step 1. **Standards**-Add 5 mL of aqua regia and mix.
Samples-Add 5 mL of DI water and 5 mL of aqua regia and mix.
Step 2. Heat for 2 min. at 95 °C ±5 °C.
Step 3. Cool
Step 4. Add 50 mL of DI water and mix.
Step 3. Add 15 mL of $KMnO_4$ and mix.
Step 4. Add 8 mL of $K_2S_2O_8$ and mix
Step 5. Heat at 95 °C ±5 °C for 30 min.
Step 6. Cool
Step 7. Add 6 mL of NH_2OH-HCl and mix.
Step 8. **Standards**-Add 50 mL of DI water and mix.
Samples- Add 55 mL of DI water and mix.

Standards to be prepared with each batch

To each standard add DI water for a total vol. of 10 mL

Standard	Concentration (mg/L)
Std. 0/ICB/CCB	0
Std. 1	0.0002
Std. 2	0.0005
Std. 3	0.001
Std. 4/CCV	0.005
Std. 5	0.010
ICV	0.0025

Redigestion required - Samples/Reason: _____

Requested By: _____ Date: _____ Completed By: _____ Date: _____

Digestate Chain-of-Custody:

Relinquished By: [signature] Date: 10/24/00 Received By: [signature] Date: 10/24/00

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10/20/00

RQC057

Severn Trent Laboratories, Inc.
METALS PREP LOG/BATCH SUMMARY

Run Date: 10/20/00
Time: 17:56:37

BATCH NUMBER: **0294557**

PREP DATE: 10/21/00
DUE DATE 10/25/00

INITIALS: JJ

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0J190191	DNFAG	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/25/00			
E0J190191	DNFAM	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/25/00			
E0J190191	DNFDE	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/25/00			
E0J190191	DNFDR	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/25/00			
E0J190371	DNGLR	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/25/00			
E0J190371	DNGLV	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/25/00			
E0J190371	DNGLW	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/25/00			
E0J190371	DNGL0	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/25/00			
E0J190371	DNGL2	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/25/00			
E0J190371	DNGL3	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/25/00			
E0J190371	DNGL5	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/25/00			
E0J190371	DNGL7	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/25/00			
E0J190371	DNGL8	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/25/00			
E0J190371	DNGL9	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/25/00			
E0J190371	DNGMA	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/25/00			
E0J190371	DNGMD	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/25/00			

RQC057

Severn Trent Laboratories, Inc.
METALS PREP LOG/BATCH SUMMARY

Run Date: 10/20/00
Time: 17:56:37

BATCH NUMBER: **0294557**

PREP DATE: 10/21/00
DUE DATE 10/25/00

INITIALS: JR

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
	DNGMDS		_____g	0.61 g	_____g	_____g
	DNGMDD		_____g	0.61 g	_____g	_____g
E0J190371	DNGMF	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/25/00			
E0J190371	DNGMG	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/25/00			
E0J190371	DNGMJ	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/25/00			
E0J190371	DNGMK	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/25/00			
E0J200000	DNJTKB	01	_____g	X 0.60 g	_____g	_____g
SOLID	DUE DATE:		0/00/00			
	DNJTKC		_____g	0.62 g	_____g	_____g

LEVEL 2
BLANK AND CHECK STANDARD ON BATCH _____
MS/MSD AND PDS ON BATCH _____
CURVE PREPPED FOR HG _____
CORRECT SPIKES ADDED _____
SPIKING SOLUTIONS DOCUMENTED ON BATCH LOG _____

COMMENTS: F.V. = 100 ML

B-BLANK/C-LCS/D-MSD/I-REANALYSIS/L-LCSD/P-SERIAL DLTN/S-MS/X-SAMP DUP/Y-SAMP CONF/Z-PDS

SPIKING WITNESSED BY _____

STL LOS ANGELES

Précis

Metals Preparation

Batch: 029 4557

The following information applies to all samples associated with the above batch number.

Prepared By: [signature] Date/Time Initiated: 10/21/00 / 1500

Reviewed By: [signature] Date/Time Completed: 4 / 1530

Water Bath # 6 Temp* 95 °C Thermometer # M-H-01

*Thermometer correction applied. (CF + 2.0°C)

Spike Standards for LCS, MS/MSD and ICV samples (*Volume of Working standard).

	*Volume	Lot #	Exp. Date
1. Hg Cal (MS)	1 mL	Hg-060800	05/2002
2. Hg Cal (LCS)	5 mL	Hg-060800	05/2002
3. Hg ICV	0.5 mL	Hg-061300	07/2001

Preparation

Reagents	Volume	Lot #
*HNO_3	1.25 mL	6623 T09A05
*HCl	3.75 mL	5587 N41A07
$KMnO_4$	15 mL	995929
$K_2S_2O_8$	8.0 mL	997008

* 3 HCl : 1HNO_3 as Aqua Regia

Analysis

Reagents	Volume	Lot#
NH_2OH-HCl+	6.0 mL	995700+
NaCl		995717
$SnCl_2$ +	Controlled by	005668+
HCl	instrument	5587 N41A07

SOP No. CORP-IP-0007SA, Revision 1.1, Date: 7/10/96

Method 7471A/245.5

Sample size 0.6 g (well mixed)

Step 1. **Standards**-Add 5 mL of aqua regia and mix.
Samples-Add 5 mL of DI water and 5 mL of aqua regia and mix.
Step 2. Heat for 2 min. at 95 °C ±5 °C.
Step 3. Cool
Step 4. Add 50 mL of DI water and mix.
Step 3. Add 15 mL of $KMnO_4$ and mix.
Step 4. Add 8 mL of $K_2S_2O_8$ and mix
Step 5. Heat at 95 °C ±5 °C for 30 min.
Step 6. Cool
Step 7. Add 6 mL of NH_2OH-HCl and mix.
Step 8. **Standards**-Add 50 mL of DI water and mix.
Samples- Add 55 mL of DI water and mix.

Standards to be prepared with each batch

To each standard add DI water for a total vol. of 10 mL

Standard	Concentration (mg/L)
Std. 0/ICB/CCB	0
Std. 1	0.0002
Std. 2	0.0005
Std. 3	0.001
Std. 4/CCV	0.005
Std. 5	0.010
ICV	0.0025

Redigestion required - Samples/Reason: _____

Requested By: _____ Date: _____ Completed By: _____ Date: _____

Digestate Chain-of-Custody:

Relinquished By: [signature] Date: 10/24/00 Received By: [signature] Date: 10/24/00

N:\inorganics\metals\forms\Q_prep
10/20/00

STL Los Angeles
Précis
CVAA Data Summary Cover Sheet

Mercury
Instrument ID: Leeman PS200 – M03
Leeman PS200 – M04

Analyst: JGA
Analytical Date: 11/01/00
Data File: HG011 01A
Corr. Coeff.: 0.9998

Analysis by SOP: 7470 - 245.1 - CORP-MT-0005SA Rev 1.1 ___
7471 - 245.5 - CORP-MT-0007SA Rev 1.1 ✓

Batch	Lot/Project	Data Upload	Review/Release	Pkg.
0304278	EOJ180165	11/02/00		L3
	EOJ200278			L3
	EOJ250275			L3
	EOJ270306			L3
0304281	EOJ250276			L3
	EOJ260327			L3

Calibration Stds:
Preparation: Date 11/01/00 Time 1200
Calibration Stock Standard Concentration 10000 mg/L Lot# Hg-060800 Exp. Date 05/02
Intermediate Standard – 10000ug/L – requires 1000X dilution of Stock Std.
Cal Working Standard - 100ug/L - requires 100X dilution of Intermediate Std.
Std.1 - 0.2 ug/L 500X dilution of Cal Working Standard (0.2mL to 100mL)
Std.2 - 0.5 ug/L 200X dilution of Cal Working Standard (0.5mL to 100mL)
Std.3 - 1.0 ug/L 100X dilution of Cal Working Standard (1.0mL to 100mL)
Std.4 - 5.0 ug/L 20X dilution of Cal Working Standard (5.0mL to 100mL)
Std.5 - 10 ug/L 10X dilution of Cal Working Standard (10.0mL to 100mL)
Calibration Check Stds:
CRA - 0.2 ug/L - 500X dilution of Cal Working Standard (0.2mL to 100mL)
ICV Stock Standard Concentration 1000 mg/mL Lot# Hg-061300 Exp. Date 07/2001
ICV Working Standard - 500 ug/L - two dilutions of ICV Stock -first 100X then a 20X
ICV - 2.5 ug/L - 200X dilution of ICV Working Standard (0.5mL to 100mL)
CCV - 5.0 ug/L - 20X dilution of Cal Working Standard (5.0mL to 100mL)

Notes/Comments:

N:\metals\forms\dscs.doc
06/22/00

BOE-C6-0173993

FURNACE DATA SHEET

File: HG01101A Element: HG__ Instrument: LEEMAN_____

Start Run Date: 11/01/00 End Run Date: 11/01/00

Correlation Coefficient: _~~1.000000~~ Slope: __0.000000 Intercept: __0.000000

0.9998 11/02/00

Concentration Units: Ug/L

#	SAMPLE ID	Time	Dil Factor	Sample (Absorb)	Sample (Conc)	%R/R	Flag		
1		17:32	1.00		0.0000				
2		17:34	1.00		0.0000				
3		17:36	1.00		0.0000				
4		17:38	1.00		0.0000				
5		17:42	1.00		0.0000				
6	S0	17:46	1.00		0.0000				
7	S0.2	17:48	1.00		0.2000				
8	S0.5	17:50	1.00		0.5000				
9	S1	17:52	1.00		1.0000				
10	S5	17:54	1.00		5.0000				
11	S10	17:56	1.00		10.0000				
12	ICV	17:57	1.00		2.5700	103			
13	ICB	17:59	1.00		-0.0050			ND	
14	DN2QPB	18:01	1.00		-0.0980			ND	
15	DN2QPC	18:03	1.00		5.1900	104		0.865	
16	DNCG1	18:05	1.00		0.2550			0.042	
7	DNJQK	18:07	1.00		0.2690			0.045	
18	DNRCV	18:08	1.00		-0.0040			ND	
19	DNRCVS	18:10	1.00		1.0100	101		0.168	
20	DNRCVD	18:12	1.00		1.0000	100		0.168	
21	DNRC2	18:14	1.00		-1.1400	—	for review		
22	DNRC7	18:16	1.00		0.0760			ND	
23	CCV1	18:18	1.00		5.0900	102			
24	CCB1	18:20	1.00		-0.1010			ND	
25	DNRDL	18:21	1.00		0.0690			ND	
26	DNRDN	18:23	1.00		0.0600			ND	
27	DNRDP 11/02/00	18:25	1.00		0.1640	0.6		0.027	
28	DNRDQ	18:27	1.00		0.2230			0.037	
29	DNRDW	18:28	1.00		0.2580			0.043	
30	DNRD0	18:30	1.00		0.0330			ND	
31	DNRD4	18:32	1.00		0.0110			ND	
32	DNRD6	18:34	1.00		0.0050			ND	
33	DNREK	18:36	1.00		0.1440			0.024	
34	CCV2	18:38	1.00		5.1600	103			
35	CCB2	18:39	1.00		-0.0470			ND	
36	DN0TG	18:41	1.00		0.1530			0.026	
37	DNOTK	18:43	1.00		0.3150			0.052	
38	DN2WQB	18:45	1.00		-0.0170			ND	
39	DN2WQC	18:47	1.00		5.0500				
40	DNRCJ	18:49	1.00		0.0840				

Analyst: jga_____ QC Reviewer: _____

FURNACE DATA SHEET

File: HG01101A Element: HG__ Instrument: LEEMAN_____

Start Run Date: 11/01/00 End Run Date: 11/01/00

Correlation Coefficient: ~~1.000000~~ Slope: __0.000000 Intercept: __0.000000

0.9998 11/02/00

Concentration Units: Ug/L

#	SAMPLE ID	Time	Dil Factor	Sample (Absorb)	Sample (Conc)	%R/R	Flag		
41	DNRCJS	18:51	1.00		0.9540				
42	DNRCJD	18:53	1.00		0.9850				
43	DNRCN	18:54	1.00		-0.0170		Ref.		
44	DNRCQ	18:56	1.00		0.0480				
45	DNRCR	18:58	1.00		0.1320				
46	CCV3	19:00	1.00		4.9900				
47	CCB3	19:01	1.00		-0.2470				
48	DNRCW	19:03	1.00		0.0460				
49	DNRCX	19:05	1.00		0.1840				
50	DNRC0	19:07	1.00		0.0890				
51	DNRC1	19:09	1.00		-0.0210				
52	DNRC3	19:11	1.00		0.0750				
53	DNRC8	19:12	1.00		0.1700				
54	DNRDC	19:14	1.00		-0.0010	Ref.			
55	DNRDE	19:16	1.00		0.1950				
56	DNRDG	19:18	1.00		0.0290				
57	CCV4	19:20	1.00		4.8900	98			
58	CCB4	19:21	1.00		-0.0710			ND	
59	DNWD0	19:23	1.00		0.0280			ND	
60	DNWD8	19:25	1.00		0.1990			0.033	
61	DNWEC	19:27	1.00		0.3200			0.053	
62	DNWEF	19:29	1.00		-0.0100			ND	
63	DNWEH	19:31	1.00		-0.0040			ND	
64	DNWEK	19:33	1.00		0.0760			ND	
65	CCV	19:35	1.00		4.8600	97			
66	CCB	19:37	1.00		-0.0590			ND	
67									
68									
69									
70									
71									
72									
73									
74									
75									
76									
77									
78									
79									
80									

Analyst: jga_____ QC Reviewer: _____

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Standard: 1 Rep: 1				Seq: 0	17:32:30 01 Nov 2000 HG			
Hg	.000	ppb	1998					
*** Standard: 2 Rep: 1				Seq: 1	17:34:22 01 Nov 2000 HG			
Hg	.200	ppb	4888					
*** Standard: 1 Rep: 1				Seq: 2	17:36:57 01 Nov 2000 HG			
Hg	.000	ppb	1473					
*** Standard: 2 Rep: 1				Seq: 3	17:38:46 01 Nov 2000 HG			
Hg	.200	ppb	-1398					
*** Standard: 6 Rep: 1				Seq: 4	17:42:44 01 Nov 2000 HG			
Hg	10.0	ppb	19503					
*** Standard: 1 Rep: 1				Seq: 5	17:46:20 01 Nov 2000 HG			
Hg	.000	ppb	1438					
*** Standard: 2 Rep: 1				Seq: 6	17:48:11 01 Nov 2000 HG			
Hg	.200	ppb	15900					
*** Standard: 3 Rep: 1				Seq: 7	17:50:04 01 Nov 2000 HG			
Hg	.500	ppb	32257					
*** Standard: 4 Rep: 1				Seq: 8	17:52:14 01 Nov 2000 HG			
Hg	1.00	ppb	51829					
*** Standard: 5 Rep: 1				Seq: 9	17:54:05 01 Nov 2000 HG			
Hg	5.00	ppb	266807					
*** Standard: 6 Rep: 1				Seq: 10	17:56:05 01 Nov 2000 HG			
Hg	10.0	ppb	522421					

RunProt: HG-A | Err: Analyzer needs maintenance | Mode: Analyze

RunFold: HG01101A Seq: 11 Batch: RunPrep: prp7470

Prnt: R/T On Pump: On

Rev: 4.2 17:56:16 01 Mov 2000 Xmit: Off Gas: 0.70 LPM

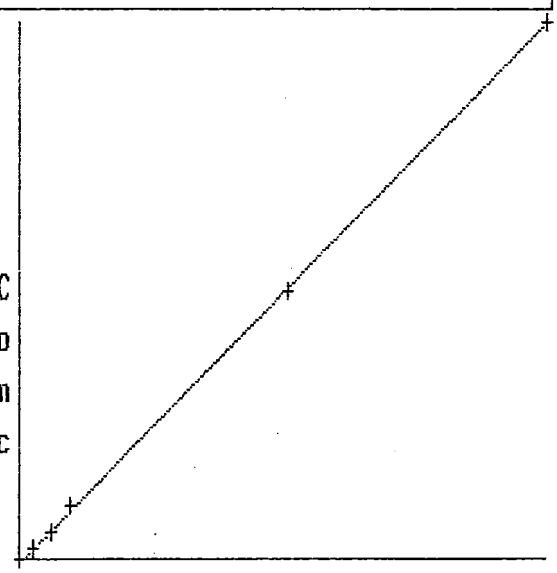
Idle None User: JGA A/S: On

CALIBRATION: Line proto: HG-A

	Hg Conc.	Calc.	Dev.	Accepted ->linear	
S1	.000	-.043	-.043	Quadratic	
S2	.200	.235	.035	Wtdlinear	
S3	.500	.550	.050		C
S4	1.00	.926	-.074	Accept	o
S5	5.00	5.06	.059		n
S6	10.0	9.97	-.027		c

A .0000000 r .999905

B 1.92254e-5 C -7.05234e-2



Relative Absorbance

	Mean			
S1	1438	0	SD	1438
S2	15900	0	%RSD	15900
S3	32257	0	%RSD	32257
S4	51829	0	%RSD	51829
S5	266807	0	%RSD	266807
S6	522421	0	%RSD	522421

New cal coefficients stored

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: ICV					Seq: 11	17:57:54 01 Nov 2000 HG		
Hg	2.57	ppb	.000	2.57				
*** Sample ID: ICB					Seq: 12	17:59:57 01 Nov 2000 HG		
Hg	-.005	ppb	.000	-.005				
*** Sample ID: DN2QPB					Seq: 13	18:01:42 01 Nov 2000 HG		
Hg	-.098	ppb	.000	-.098				
*** Sample ID: DN2QPC					Seq: 14	18:03:30 01 Nov 2000 HG		
Hg	5.19	ppb	.000	5.19				
*** Sample ID: DNCG1					Seq: 15	18:05:17 01 Nov 2000 HG		
Hg	.255	ppb	.000	.255				
*** Sample ID: DNJQK					Seq: 16	18:07:05 01 Nov 2000 HG		
Hg	.269	ppb	.000	.269				
*** Sample ID: DNRCV					Seq: 17	18:08:50 01 Nov 2000 HG		
Hg	-.004	ppb	.000	-.004				
*** Sample ID: DNRCVS					Seq: 18	18:10:34 01 Nov 2000 HG		
Hg	1.01	ppb	.000	1.01				
*** Sample ID: DNRCVD					Seq: 19	18:12:40 01 Nov 2000 HG		
Hg	1.00	ppb	.000	1.00				
*** Sample ID: DNRC2					Seq: 20	18:14:25 01 Nov 2000 HG		
Hg	-1.14	ppb	.000	-1.14				
*** Sample ID: DNRC7					Seq: 21	18:16:23 01 Nov 2000 HG		
Hg	.076	ppb	.000	.076				

Hg 5.09 ppb .000 5.09

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: CCB1 Seq: 23 18:20:12 01 Nov 2000 HG

Hg -.101 ppb .000 -.101

*** Sample ID: DNRDL Seq: 24 18:21:56 01 Nov 2000 HG

Hg .069 ppb .000 .069

*** Sample ID: DNRDN Seq: 25 18:23:41 01 Nov 2000 HG

Hg .060 ppb .000 .060

*** Sample ID: DBRDP Seq: 26 18:25:25 01 Nov 2000 HG

Hg .164 ppb .000 .164

*** Sample ID: DNRDQ Seq: 27 18:27:10 01 Nov 2000 HG

Hg .223 ppb .000 .223

*** Sample ID: DNRDW Seq: 28 18:28:54 01 Nov 2000 HG

Hg .258 ppb .000 .258

*** Sample ID: DNRDO Seq: 29 18:30:37 01 Nov 2000 HG

Hg .033 ppb .000 .033

*** Sample ID: DNRD4 Seq: 30 18:32:24 01 Nov 2000 HG

Hg .011 ppb .000 .011

*** Sample ID: DNRD6 Seq: 31 18:34:10 01 Nov 2000 HG

Hg .005 ppb .000 .005

*** Sample ID: DNREK Seq: 32 18:36:20 01 Nov 2000 HG

Hg .144 ppb .000 .144

*** Sample ID: CCV2 Seq: 33 18:38:05 01 Nov 2000 HG

Hg 5.16 ppb .000 5.16

*** Sample ID: [illegible] Seq: [illegible] [illegible] 01 Nov 2000 HG

Hg -.047 ppb .000 -.047

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: DNOTG Seq: 35 18:41:38 01 Nov 2000 HG

Hg .153 ppb .000 .153

*** Sample ID: DNOTK Seq: 36 18:43:26 01 Nov 2000 HG

Hg .315 ppb .000 .315

*** Sample ID: DN2WQB Seq: 37 18:45:13 01 Nov 2000 HG

Hg -.017 ppb .000 -.017

*** Sample ID: DN2WQC Seq: 38 18:47:09 01 Nov 2000 HG

Hg 5.05 ppb .000 5.05

*** Sample ID: DNRCJ Seq: 39 18:49:15 01 Nov 2000 HG

Hg .084 ppb .000 .084

*** Sample ID: DNRCJS Seq: 40 18:51:05 01 Nov 2000 HG

Hg .954 ppb .000 .954

*** Sample ID: DNRCJD Seq: 41 18:53:00 01 Nov 2000 HG

Hg .985 ppb .000 .985

*** Sample ID: DNRCN Seq: 42 18:54:50 01 Nov 2000 HG

Hg -.017 ppb .000 -.017

*** Sample ID: DNRCQ Seq: 43 18:56:36 01 Nov 2000 HG

Hg .048 ppb .000 .048

*** Sample ID: DNRCR Seq: 44 18:58:26 01 Nov 2000 HG

Hg .132 ppb .000 .132

*** Sample ID: CCV3 Seq: 45 19:00:11 01 Nov 2000 HG

Hg 4.99 ppb .000 4.99

*** Sample ID: CCB3 Seq: 46 19:01:37 01 Nov 2000 HG

Hg -.247 ppb .000 -.247

Folder: HG01101A Page 95

19:03:43 01 Nov 2000 Protocol: HG-A

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: DNRCW Seq: 47 19:03:43 01 Nov 2000 HG

Hg .046 ppb .000 .046

*** Sample ID: DNRCX Seq: 48 19:05:29 01 Nov 2000 HG

Hg .184 ppb .000 .184

*** Sample ID: DNRC0 Seq: 49 19:07:19 01 Nov 2000 HG

Hg .089 ppb .000 .089

*** Sample ID: DNRC1 Seq: 50 19:09:05 01 Nov 2000 HG

Hg -.021 ppb .000 -.021

*** Sample ID: DNRC3 Seq: 51 19:11:01 01 Nov 2000 HG

Hg .075 ppb .000 .075

*** Sample ID: DNRC8 Seq: 52 19:12:47 01 Nov 2000 HG

Hg .170 ppb .000 .170

*** Sample ID: DNRDC Seq: 53 19:14:33 01 Nov 2000 HG

Hg -.001 ppb .000 -.001

*** Sample ID: DNRDE Seq: 54 19:16:22 01 Nov 2000 HG

Hg .195 ppb .000 .195

*** Sample ID: DNRDG Seq: 55 19:18:21 01 Nov 2000 HG

Hg .029 ppb .000 .029

*** Sample ID: CCV4 Seq: 56 19:20:09 01 Nov 2000 HG

Hg 4.89 ppb .000 4.89

*** Sample ID: CCB4 Seq: 57 19:21:58 01 Nov 2000 HG

Hg -.071 ppb .000 -.071

Hg .028 ppb .000 .028

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: DNWD8 Seq: 59 19:25:36 01 Nov 2000 HG

Hg .199 ppb .000 .199

*** Sample ID: DNWEC Seq: 60 19:27:46 01 Nov 2000 HG

Hg .320 ppb .000 .320

*** Sample ID: DNWEF Seq: 61 19:29:46 01 Nov 2000 HG

Hg -.010 ppb .000 -.010

*** Sample ID: DNWEH Seq: 62 19:31:34 01 Nov 2000 HG

Hg -.004 ppb .000 -.004

*** Sample ID: DNWEK Seq: 63 19:33:24 01 Nov 2000 HG

Hg .076 ppb .000 .076

*** Sample ID: CCV Seq: 64 19:35:12 01 Nov 2000 HG

Hg 4.86 ppb .000 4.86

*** Sample ID: CCB Seq: 65 19:37:01 01 Nov 2000 HG

Hg -.059 ppb .000 -.059

RQC057

Severn Trent Laboratories, Inc.
METALS PREP LOG/BATCH SUMMARY

Run Date: 10/31/00
Time: 12:35:38

BATCH NUMBER: **0304278**

PREP DATE: 10/31/00
DUE DATE 10/24/00

INITIALS: KK

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0J180165	DNCG1	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/24/00			
E0J200278	DNJQK	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/26/00			
E0J250275	DNRCV	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/31/00			
	DNRCVS		_____g	0.61 g	_____g	_____g
	DNRCVD		_____g	0.61 g	_____g	_____g
E0J250275	DNRC2	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/31/00			
E0J250275	DNRC7	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/31/00			
E0J250275	DNRDL	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/31/00			
E0J250275	DNRDN	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/31/00			
E0J250275	DNRDP	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/31/00			
E0J250275	DNRDQ	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/31/00			
E0J250275	DNRDW	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/31/00			
E0J250275	DNRD0	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/31/00			
E0J250275	DNRD4	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/31/00			
E0J250275	DNRD6	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/31/00			
E0J250275	DNREK	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/31/00			

RQC057

Severn Trent Laboratories, Inc.
METALS PREP LOG/BATCH SUMMARY

Run Date: 10/31/00
Time: 12:35:38

BATCH NUMBER: **0304278**

PREP DATE: 10/31/00
DUE DATE 10/24/00

INITIALS: Ja

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0J270306	DN0TG	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		11/02/00			
E0J270306	DN0TK	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		11/02/00			
E0J300000	DN2QPB	01	_____g	X 0.60 g	_____g	_____g
SOLID	DUE DATE:		0/00/00			
	DN2QPC		_____g	0.62 g	_____g	_____g

LEVEL 2
BLANK AND CHECK STANDARD ON BATCH _____
MS/MSD AND PDS ON BATCH _____
CURVE PREPPED FOR HG _____
CORRECT SPIKES ADDED _____
SPIKING SOLUTIONS DOCUMENTED ON BATCH LOG_____

COMMENTS: F.V. = 100 ML

B-BLANK/C-LCS/D-MSD/I-REANALYSIS/L-LCSD/P-SERIAL DLTN/S-MS/X-SAMP DUP/Y-SAMP CONF/Z-PDS

SPIKING WITNESSED BY _____

ICP ELEMENTS WITHIN THE BATCH:

MS/MSD 1:	ICP - 1	ICP - 2	GFAA	HG	ODD
MS/MSD 2:	ICP - 1	ICP - 2	GFAA	HG	ODD
MS/MSD 3:	ICP - 1	ICP - 2	GFAA	HG	ODD
CHECK :	ICP - 1	ICP - 2	GFAA	HG	ODD
CHECK DUP:	ICP - 1	ICP - 2	GFAA	HG	ODD
STANDARD NUMBERS	_____	_____	____	___	___

STL LOS ANGELES

Précis

Metals Preparation

Batch: 0304278

The following information applies to all samples associated with the above batch number.

Prepared By: _____ Date/Time Initiated: 11/02/00 / 1200

Reviewed By: _____ Date/Time Completed: ___ / 1230

Water Bath # 6 Temp* 95 °C Thermometer # ~~M-H-01~~

*Thermometer correction applied. (CF + ~~2~~ 0.0°C) FP-~~H01~~ 1811 11/02/00

Spike Standards for LCS, MS/MSD and ICV samples (*Volume of Working standard).

	*Volume	Lot #	Exp. Date
1. Hg Cal (MS)	1 mL	Hg-060800	05/2002
2. Hg Cal (LCS)	5 mL	Hg-060800	05/2002
3. Hg ICV	0.5 mL	Hg-061300	07/2001

Preparation Reagents	Volume	Lot #	Analysis Reagents	Volume	Lot#
*HNO_3	1.25 mL	6623 T09A05	NH_2OH-HCl+	6.0 mL	995700+
*HCl	3.75 mL	5587 N41A07	NaCl		995717
$KMnO_4$	15 mL	995929	$SnCl_2$ +	Controlled by	005668+
$K_2S_2O_8$	8.0 mL	997008	HCl	instrument	5587 N41A07

* 3 HCl : 1HNO_3 as Aqua Regia

SOP No. CORP-IP-0007SA, Revision 1.1, Date: 7/10/96

Method 7471A/245.5

Sample size 0.6 g (well mixed)

Step 1. **Standards**-Add 5 mL of aqua regia and mix.
Samples-Add 5 mL of DI water and 5 mL of aqua regia and mix.
Step 2. Heat for 2 min. at 95 °C ±5 °C.
Step 3. Cool
Step 4. Add 50 mL of DI water and mix.
Step 3. Add 15 mL of $KMnO_4$ and mix.
Step 4. Add 8 mL of $K_2S_2O_8$ and mix
Step 5. Heat at 95 °C ±5 °C for 30 min.
Step 6. Cool
Step 7. Add 6 mL of NH_2OH-HCl and mix.
Step 8. **Standards**-Add 50 mL of DI water and mix.
Samples- Add 55 mL of DI water and mix.

Standards to be prepared with each batch

To each standard add DI water for a total vol. of 10 mL

Standard	Concentration (mg/L)
Std. 0/ICB/CCB	0
Std. 1	0.0002
Std. 2	0.0005
Std. 3	0.001
Std. 4/CCV	0.005
Std. 5	0.010
ICV	0.0025

Redigestion required - Samples/Reason: _____

Requested By: _____ Date: _____ Completed By: _____ Date: _____

Digestate Chain-of-Custody:

Relinquished By: _____ Date: 11/01/00 Received By: _____ Date: 11/01/00

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10/20/00

RQC057

Severn Trent Laboratories, Inc.
METALS PREP LOG/BATCH SUMMARY

Run Date: 11/02/00
Time: 15:56:27

BATCH NUMBER: **0304281**

PREP DATE: 10/31/00
DUE DATE 10/31/00

INITIALS: JR

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0J250276	DNRCJ	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/31/00			
	DNRCJS		_____g	0.59 g	_____g	_____g
	DNRCJD		_____g	0.59 g	_____g	_____g
E0J250276	DNRCN	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/31/00			
E0J250276	DNRCQ	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/31/00			
E0J250276	DNRCR	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/31/00			
E0J250276	DNRCW	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/31/00			
E0J250276	DNRCX	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/31/00			
E0J250276	DNRC0	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/31/00			
E0J250276	DNRC1	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/31/00			
E0J250276	DNRC3	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/31/00			
E0J250276	DNRC8	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/31/00			
E0J250276	DNRDC	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/31/00			
E0J250276	DNRDE	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/31/00			
E0J250276	DNRDG	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/31/00			
E0J260327	DNWD0	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		11/01/00			

RQC057

Severn Trent Laboratories, Inc.
METALS PREP LOG/BATCH SUMMARY

Run Date: 11/02/00
Time: 15:56:27

BATCH NUMBER: **0304281**

PREP DATE: 10/31/00
DUE DATE 10/31/00

INITIALS: JP

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0J260327	DNWD8	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		11/01/00			
E0J260327	DNWEC	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		11/01/00			
E0J260327	DNWEF	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		11/01/00			
E0J260327	DNWEH	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		11/01/00			
E0J260327	DNWEK	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		11/01/00			
E0J300000	DN2QWB	01	_____g	X 0.60 g	_____g	_____g
SOLID	DUE DATE:		0/00/00			
	DN2QWC		_____g	0.62 g	_____g	_____g

LEVEL 2
BLANK AND CHECK STANDARD ON BATCH _____
MS/MSD AND PDS ON BATCH _____
CURVE PREPPED FOR HG _____
CORRECT SPIKES ADDED _____
SPIKING SOLUTIONS DOCUMENTED ON BATCH LOG_____

COMMENTS: F.V. = 100ML

B-BLANK/C-LCS/D-MSD/I-REANALYSIS/L-LCSD/P-SERIAL DLTN/S-MS/X-SAMP DUP/Y-SAMP CONF/Z-PDS

SPIKING WITNESSED BY _____

STL LOS ANGELES

Précis

Metals Preparation

Batch: 0304281

The following information applies to all samples associated with the above batch number.

Prepared By: _____ Date/Time Initiated: 11/01/00 / 1300

Reviewed By: _____ Date/Time Completed: 11/ 1330

Water Bath # 6 Temp* 95 °C Thermometer # M-H-01

*Thermometer correction applied. (CF + 2.0°C)

Spike Standards for LCS, MS/MSD and ICV samples (*Volume of Working standard).

	*Volume	Lot #	Exp. Date
1. Hg Cal (MS)	1 mL	Hg-060800	05/2002
2. Hg Cal (LCS)	5 mL	Hg-060800	05/2002
3. Hg ICV	0.5 mL	Hg-061300	07/2001

Preparation

Reagents	Volume	Lot #
*HNO_3	1.25 mL	6623 T09A05
*HCl	3.75 mL	5587 N41A07
$KMnO_4$	15 mL	995929
$K_2S_2O_8$	8.0 mL	997008

* 3 HCl : 1HNO_3 as Aqua Regia

Analysis

Reagents	Volume	Lot#
NH_2OH-HCl+ NaCl	6.0 mL	995700+ 995717
$SnCl_2$ + HCl	Controlled by instrument	005668+ 5587 N41A07

SOP No. CORP-IP-0007SA, Revision 1.1, Date: 7/10/96

Method 7471A/245.5

Sample size 0.6 g (well mixed)

Step 1. **Standards**-Add 5 mL of aqua regia and mix.
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Step 6. Cool
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Step 8. **Standards**-Add 50 mL of DI water and mix.
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Standards to be prepared with each batch

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Std. 3	0.001
Std. 4/CCV	0.005
Std. 5	0.010
ICV	0.0025

Redigestion required - Samples/Reason: _____

Requested By: _____ Date: _____ Completed By: _____ Date: _____

Digestate Chain-of-Custody:

Relinquished By: _____ Date: 11/01/00 Received By: _____ Date: 11/01/00

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