Supporting Raw Data

Metals

Lot # EQT040125

001305

STL Los Angeles
Précis
CVAA Data Summary Cover Sheet

EOJ040125

Mercury
Instrument ID: Leeman PS200 – M03
Leeman PS200 – M04

Analyst: JGA
Analytical Date: 10/6/00
Data File: H601006B
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.
0277500	EOJ030150	JG 10/10/00		L3
0278323	EOJ030150			L3
	EOJ030233			L3
	EOJ030262			L3
	EOJ040125			L3
0278325	~~LOH290191~~			L3
	EOJ040125			L3
	EOJ040183			L3

Calibration Stds:
Preparation: Date 10/5/00 Time 1000
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

FURNACE DATA SHEET

File: HG01006B Element: HG__ Instrument: LEEMAN_____

Start Run Date: 10/06/00 End Run Date: 10/06/00

16/63

Correlation Coefficient: _=1.000000 Slope: __0.000000 Intercept: __0.000000

0.9999 10/10/00 Jr

Concentration Units: Ug/L

#	SAMPLE ID	Time	Dil Factor	Sample (Absorb)	Sample (Conc)	%R/R	Flag		
1	S0	14:32	1.00		0.0000				
2	S0.2	14:35	1.00		0.2000				
3	S0.5	14:36	1.00		0.5000				
4	S1	14:38	1.00		1.0000				
5	S5	14:40	1.00		5.0000				
6	S10	14:42	1.00		10.0000				
7	ICV	14:47	1.00		2.5500	102			
8	ICB	14:49	1.00		-0.0360			ND	
9	DLGDDB	14:50	1.00		-0.1290			ND	
10	DLGDDC	14:52	1.00		4.9400	99		0.823	
11	DLFGE	14:54	1.00		0.2490			0.042	
12	DLFGES	14:56	1.00		1.2900	104		0.215	
13	DLFGED	14:58	1.00		1.3000	105		0.217	
14	DLFGQ	14:59	1.00		0.1880			0.031	
15	DLFGV	15:01	1.00		-0.0130			ND	
16	DLFHQ	15:03	1.00		0.1750			0.029	
17	DLFHX	15:05	1.00		0.0690			ND	
[illegible]	CCV1	15:07	1.00		5.1100	102			
19	CCB1	15:08	1.00		-0.0430			ND	
20	DLFJ4	15:10	1.00		0.0310			ND	
21	DLFJ6	15:12	1.00		0.2670			0.045	
22	DLFJ8	15:14	1.00		0.0860			ND	
23	DLFJA	15:16	1.00		0.3240			0.054	
24	DLFJD	15:17	1.00		0.0150			ND	
25	DLFJK	15:19	1.00		0.1930			0.032	
26	DLFJN	15:21	1.00		0.2580			0.043	
27	DLFJQ	15:23	1.00		0.3780			0.063	
28	DLFJV	15:25	1.00		0.8060			0.134	
29	CCV2	15:27	1.00		5.0900	102			
30	CCB2	15:29	1.00		-0.0420			ND	
31	DLFK0	15:30	1.00		0.1670			0.028	
32	DLFK5	15:32	1.00		0.0710			ND	
33	DLFK7	15:34	1.00		0.2650			0.044	
34	DLFKA	15:36	1.00		0.1940			0.032	
35	DLFKE	15:37	1.00		-0.0110			ND	
36	DLFKG	15:39	1.00		0.1870			0.031	
37	DLHNQB	15:41	1.00		-0.0340			ND	
38	DLHNQC	15:43	1.00		4.8800	98		0.813	
39	DLFKJ	15:45	1.00		0.3370			0.056	
40	DLFKJS	15:46	1.00		1.4000	106		0.233	

Analyst: jga_____ QC Reviewer: _____

FURNACE DATA SHEET

2 of 3

File: HG01006B Element: HG__ Instrument: LEEMAN_____

Start Run Date: 10/06/00 End Run Date: 10/06/00

Correlation Coefficient: _~~1.000000~~ Slope: __0.000000 Intercept: __0.000000

0.9999 10/10/00

Concentration Units: Ug/L

#	SAMPLE ID	Time	Dil Factor	Sample (Absorb)	Sample (Conc)	%R/R	Flag		
_41	CCV3	15:48	1.00		5.0700	101			
_42	CCB3	15:50	1.00		-0.0370			ND	
_43	DLFKJD	15:52	1.00		1.2900	95		0.215	
_44	DLGAH	15:54	1.00		0.1060			ND	
_45	DLGAN	15:56	1.00		0.0860			ND	
_46	DLGD4	15:58	1.00		0.2070			0.034	
_47	DLGD9	16:00	1.00		0.0130			ND	
_48	DLGDE	16:02	1.00		0.0640			ND	
_49	DLGPR	16:03	1.00		0.1640			ND	
_50	DLGPV	16:05	1.00		0.2250			0.038	
_51	DLGQG	16:07	1.00		0.0740			ND	
_52	CCV4	16:09	1.00		5.0400	100			
_53	CCB4	16:11	1.00		-0.0390			ND	
_54	DLGQJ	16:13	1.00		0.0740			ND	
_55	DLGQN	16:15	1.00		0.1790			ND	
_56	DLH33	16:17	1.00		0.2040			0.034	
_57	DLH39	16:18	1.00		0.0490			ND	
_58	DLH3D	16:20	1.00		0.3130			0.052	
_59	DLH3E	16:22	1.00		0.0410			ND	
_60	DLH3J	16:24	1.00		0.0980			ND	
_61	DLH3L	16:26	1.00		0.0590			↓	
_62	DLH3T	16:28	1.00		0.2430			0.040	
_63	CCV5	16:30	1.00		5.1200	102			
_64	CCB5	16:32	1.00		-0.0440			ND	
_65	DLH47	16:33	1.00		0.0590			ND	
_66	DLH48	16:35	1.00		0.1120			ND	
_67	DLHP0B	16:37	1.00		-0.0280			ND	
_68	DLHP0C 10/10/00	16:39	1.00		4.8100	96		0.802	
_69	DJ~~J~~7X	16:41	1.00		0.1420			ND	
_70	DJJ80	16:43	1.00		-0.0220			ND	
_71	DJJ81	16:45	1.00		0.1060			↓	
_72	DJJ82	16:47	1.00		0.0480			↓	
_73	DJJ84	16:49	1.00		0.0640			↓	
_74	CCV6	16:50	1.00		5.0200	100			
_75	CCB6	16:52	1.00		-0.1020			ND	
_76	DJJ86	16:54	1.00		3.1300			0.522	
_77	DJJ87	16:56	1.00		0.0070			ND	
_78	DJJ89	16:58	1.00		0.0990			↓	
_79	DJJ8C	17:00	1.00		0.2170			0.036	
_80	DJJ~~8C~~ 83 10/10/00	17:02	1.00		0.0400			ND	

Analyst: jga_____ QC Reviewer: _____

FURNACE DATA SHEET

3 of 3

File: HG01006B Element: HG__ Instrument: LEEMAN_____

Start Run Date: 10/06/00 End Run Date: 10/06/00

Correlation Coefficient: _~~1.000000~~ Slope: __0.000000 Intercept: __0.000000

0.9999 10/10/00 JG

Concentration Units: ug/L

#	SAMPLE ID	Time	Dil Factor	Sample (Absorb)	Sample (Conc)	%R/R	Flag		
81	DJJ8E	17:04	1.00		-0.0390			ND	
82	DLH4A	17:06	1.00		0.1550			ND	
83	DLH4AS	17:08	1.00		1.1400	114		0.190	
84	DLH4AD	17:10	1.00		1.3400	134		0.223	
85	DLH4D	17:12	1.00		0.2820			0.047	
86	CCV7	17:14	1.00		4.9400	99			
87	CCB7	17:16	1.00		-0.0280			ND	
88	DLH4F	17:18	1.00		0.0680			ND	
89	DLH4J	17:20	1.00		0.2530			0.042	
90	DLH5H	17:21	1.00		0.1910			ND	
91	DLH5M	17:23	1.00		0.2970			0.050	
92	DLHHQ	17:25	1.00		0.2140			0.036	
93	DLHK5	17:27	1.00		0.1330			ND	
94	CCV8	17:29	1.00		5.0300	101			
95	CCB8	17:31	1.00		-0.0460			ND	
96									
7									
3									
99									
100									

Analyst: jga_____ QC Reviewer: _____

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Standard: 1 Rep: 1				Seq: 0		14:32:45 06 Oct 2000 HG		
Hg	.000	ppb	-1500					
*** Standard: 2 Rep: 1				Seq: 1		14:35:06 06 Oct 2000 HG		
Hg	.200	ppb	12663					
*** Standard: 3 Rep: 1				Seq: 2		14:36:56 06 Oct 2000 HG		
Hg	.500	ppb	28819					
*** Standard: 4 Rep: 1				Seq: 3		14:38:57 06 Oct 2000 HG		
Hg	1.00	ppb	57551					
*** Standard: 5 Rep: 1				Seq: 4		14:40:46 06 Oct 2000 HG		
Hg	5.00	ppb	279854					
*** Standard: 6 Rep: 1				Seq: 5		14:42:35 06 Oct 2000 HG		
Hg	10.0	ppb	545054					

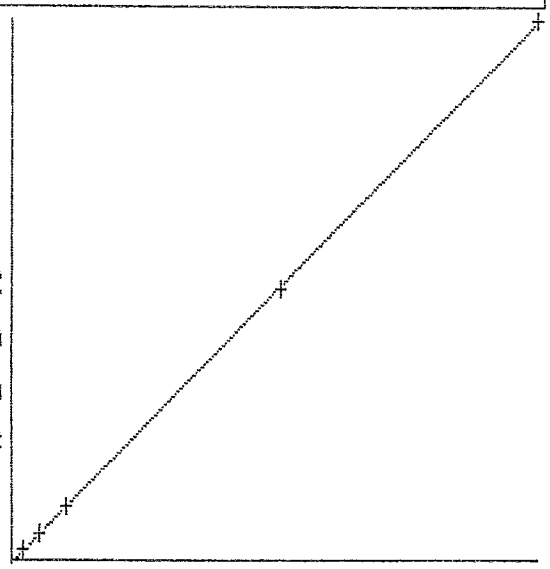
```
RunProt: HG-A        Err: Prep needs maintenance        Mode:     Analyze
RunFold: HG01006B Seq: 6    Batch:                      RunPrep: prp7470
                  Prnt: R/T On                   Pump: On
                  Rev: 4.2    14:45:39 06 Oct 2000 Xmit: Off Gas:     0.70 LPM
  Idle None                                      User: JGA          A/S: On
```

CALIBRATION: Line proto: HG-A

	Hg Conc.	Calc.	Dev.	Accepted ->linear	
S1	.000	-.060	-.060	Quadratic	
S2	.200	.200	-.000	Wtdlinear	
S3	.500	.495	-.005		C
S4	1.00	1.02	.022	Accept	o
S5	5.00	5.09	.093		n
S6	10.0	9.95	-.050		c

A .0000000 r .999905

B 1.83144e-5 C -3.23312e-2



Relative Absorbance

	Mean		SD	
S1	-1500	0	SD	-1500
S2	12663	0	%RSD	12663
S3	28819	0	%RSD	28819
S4	57551	0	%RSD	57551
S5	279854	0	%RSD	279854
S6	545054	0	%RSD	545054

New cal coefficients stored

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: ICV				Seq: 6	14:47:27 06 Oct 2000 HG			
Hg	2.55	ppb	.000	2.55				
*** Sample ID: ICB				Seq: 7	14:49:15 06 Oct 2000 HG			
Hg	-.036	ppb	.000	-.036				
*** Sample ID: DLGDDB				Seq: 8	14:50:58 06 Oct 2000 HG			
Hg	-.129	ppb	.000	-.129				
*** Sample ID: DLGDDC				Seq: 9	14:52:45 06 Oct 2000 HG			
Hg	4.94	ppb	.000	4.94				
*** Sample ID: DLFGE				Seq: 10	14:54:28 06 Oct 2000 HG			
Hg	.249	ppb	.000	.249				
*** Sample ID: DLFGES				Seq: 11	14:56:14 06 Oct 2000 HG			
Hg	1.29	ppb	.000	1.29				
*** Sample ID: DLFGED				Seq: 12	14:58:00 06 Oct 2000 HG			
Hg	1.30	ppb	.000	1.30				
*** Sample ID: DLFGQ				Seq: 13	14:59:54 06 Oct 2000 HG			
Hg	.188	ppb	.000	.188				
*** Sample ID: DLFGV				Seq: 14	15:01:41 06 Oct 2000 HG			
Hg	-.013	ppb	.000	-.013				
*** Sample ID: DLFHQ				Seq: 15	15:03:27 06 Oct 2000 HG			
Hg	.175	ppb	.000	.175				
*** Sample ID: DLFHX				Seq: 16	15:05:31 06 Oct 2000 HG			
Hg	.069	ppb	.000	.069				
*** Sample ID: CCV1				Seq: 17	15:07:17 06 Oct 2000 HG			
Hg	5.11	ppb	.000	5.11				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: CCB1					Seq: 18	15:08:58 06 Oct 2000 HG		
Hg	-.043	ppb	.000	-.043				
*** Sample ID: DLFJ4					Seq: 19	15:10:51 06 Oct 2000 HG		
Hg	.031	ppb	.000	.031				
*** Sample ID: DLFJ6					Seq: 20	15:12:34 06 Oct 2000 HG		
Hg	.267	ppb	.000	.267				
*** Sample ID: DLFJ8					Seq: 21	15:14:22 06 Oct 2000 HG		
Hg	.086	ppb	.000	.086				
*** Sample ID: DLFJA					Seq: 22	15:16:05 06 Oct 2000 HG		
Hg	.324	ppb	.000	.324				
*** Sample ID: DLFJD					Seq: 23	15:17:59 06 Oct 2000 HG		
Hg	.015	ppb	.000	.015				
*** Sample ID: DLFJK					Seq: 24	15:19:44 06 Oct 2000 HG		
Hg	.193	ppb	.000	.193				
*** Sample ID: DLFJN					Seq: 25	15:21:28 06 Oct 2000 HG		
Hg	.258	ppb	.000	.258				
*** Sample ID: DLFJQ					Seq: 26	15:23:22 06 Oct 2000 HG		
Hg	.378	ppb	.000	.378				
*** Sample ID: DLFJV					Seq: 27	15:25:29 06 Oct 2000 HG		
Hg	.806	ppb	.000	.806				
*** Sample ID: CCV2					Seq: 28	15:27:23 06 Oct 2000 HG		
Hg	5.09	ppb	.000	5.09				
*** Sample ID: CCB2					Seq: 29	15:29:12 06 Oct 2000 HG		
Hg	-.042	ppb	.000	-.042				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: DLFK0					Seq: 30	15:30:56 06 Oct 2000 HG		
Hg	.167	ppb	.000	.167				
*** Sample ID: DLFK5					Seq: 31	15:32:40 06 Oct 2000 HG		
Hg	.071	ppb	.000	.071				
*** Sample ID: DLFK7					Seq: 32	15:34:24 06 Oct 2000 HG		
Hg	.265	ppb	.000	.265				
*** Sample ID: DLFKA					Seq: 33	15:36:08 06 Oct 2000 HG		
Hg	.194	ppb	.000	.194				
*** Sample ID: DLFKE					Seq: 34	15:37:56 06 Oct 2000 HG		
Hg	-.011	ppb	.000	-.011				
*** Sample ID: DLFKG					Seq: 35	15:39:41 06 Oct 2000 HG		
Hg	.187	ppb	.000	.187				
*** Sample ID: DLHNQB					Seq: 36	15:41:28 06 Oct 2000 HG		
Hg	-.034	ppb	.000	-.034				
*** Sample ID: DLHNQC					Seq: 37	15:43:23 06 Oct 2000 HG		
Hg	4.88	ppb	.000	4.88				
*** Sample ID: DLFKJ					Seq: 38	15:45:13 06 Oct 2000 HG		
Hg	.337	ppb	.000	.337				
*** Sample ID: DLFKJS					Seq: 39	15:46:59 06 Oct 2000 HG		
Hg	1.40	ppb	.000	1.40				
*** Sample ID: CCV3					Seq: 40	15:48:44 06 Oct 2000 HG		
Hg	5.07	ppb	.000	5.07				
*** Sample ID: CCB3					Seq: 41	15:50:30 06 Oct 2000 HG		
Hg	-.037	ppb	.000	-.037				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: DLFKJD					Seq: 42	15:52:16 06 Oct 2000 HG		
Hg	1.29	ppb	.000	1.29				
*** Sample ID: DLGAH					Seq: 43	15:54:23 06 Oct 2000 HG		
Hg	.106	ppb	.000	.106				
*** Sample ID: DLGAN					Seq: 44	15:56:10 06 Oct 2000 HG		
Hg	.086	ppb	.000	.086				
*** Sample ID: DLGD4					Seq: 45	15:58:00 06 Oct 2000 HG		
Hg	.207	ppb	.000	.207				
*** Sample ID: DLGD9					Seq: 46	16:00:08 06 Oct 2000 HG		
Hg	.013	ppb	.000	.013				
*** Sample ID: DLGDE					Seq: 47	16:02:04 06 Oct 2000 HG		
Hg	.064	ppb	.000	.064				
*** Sample ID: DLGPR					Seq: 48	16:03:49 06 Oct 2000 HG		
Hg	.164	ppb	.000	.164				
*** Sample ID: DLGPV					Seq: 49	16:05:35 06 Oct 2000 HG		
Hg	.225	ppb	.000	.225				
*** Sample ID: DLGQG					Seq: 50	16:07:25 06 Oct 2000 HG		
Hg	.074	ppb	.000	.074				
*** Sample ID: CCV4					Seq: 51	16:09:48 06 Oct 2000 HG		
Hg	5.04	ppb	.000	5.04				
*** Sample ID: CCB4					Seq: 52	16:11:45 06 Oct 2000 HG		
Hg	-.039	ppb	.000	-.039				
*** Sample ID: DLGQJ					Seq: 53	16:13:32 06 Oct 2000 HG		
Hg	.074	ppb	.000	.074				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: DLGQN					Seq: 54	16:15:19 06 Oct 2000 HG		
Hg	.179	ppb	.000	.179				
*** Sample ID: DLH33					Seq: 55	16:17:08 06 Oct 2000 HG		
Hg	.204	ppb	.000	.204				
*** Sample ID: DLH39					Seq: 56	16:18:55 06 Oct 2000 HG		
Hg	.049	ppb	.000	.049				
*** Sample ID: DLH3D					Seq: 57	16:20:53 06 Oct 2000 HG		
Hg	.313	ppb	.000	.313				
*** Sample ID: DLH3E					Seq: 58	16:22:41 06 Oct 2000 HG		
Hg	.041	ppb	.000	.041				
*** Sample ID: DLH3J					Seq: 59	16:24:29 06 Oct 2000 HG		
Hg	.098	ppb	.000	.098				
*** Sample ID: DLH3L					Seq: 60	16:26:41 06 Oct 2000 HG		
Hg	.059	ppb	.000	.059				
*** Sample ID: DLH3T					Seq: 61	16:28:32 06 Oct 2000 HG		
Hg	.243	ppb	.000	.243				
*** Sample ID: CCV5					Seq: 62	16:30:20 06 Oct 2000 HG		
Hg	5.12	ppb	.000	5.12				
*** Sample ID: CCB5					Seq: 63	16:32:09 06 Oct 2000 HG		
Hg	-.044	ppb	.000	-.044				
*** Sample ID: DLH47					Seq: 64	16:33:58 06 Oct 2000 HG		
Hg	.059	ppb	.000	.059				
*** Sample ID: DLH48					Seq: 65	16:35:52 06 Oct 2000 HG		
Hg	.112	ppb	.000	.112				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: DLHP0B					Seq: 66	16:37:41 06 Oct 2000 HG		
Hg	-.028	ppb	.000	-.028				
*** Sample ID: DLHP0C					Seq: 67	16:39:43 06 Oct 2000 HG		
Hg	4.81	ppb	.000	4.81				
*** Sample ID: DJ77X					Seq: 68	16:41:34 06 Oct 2000 HG		
Hg	.142	ppb	.000	.142				
*** Sample ID: DJJ80					Seq: 69	16:43:24 06 Oct 2000 HG		
Hg	-.022	ppb	.000	-.022				
*** Sample ID: DJJ81					Seq: 70	16:45:19 06 Oct 2000 HG		
Hg	.106	ppb	.000	.106				
*** Sample ID: DJJ82					Seq: 71	16:47:09 06 Oct 2000 HG		
Hg	.048	ppb	.000	.048				
*** Sample ID: DJJ84					Seq: 72	16:49:03 06 Oct 2000 HG		
Hg	.064	ppb	.000	.064				
*** Sample ID: CCV6					Seq: 73	16:50:53 06 Oct 2000 HG		
Hg	5.02	ppb	.000	5.02				
*** Sample ID: CCB6					Seq: 74	16:52:45 06 Oct 2000 HG		
Hg	-.102	ppb	.000	-.102				
*** Sample ID: DJJ86					Seq: 75	16:54:57 06 Oct 2000 HG		
Hg	3.13	ppb	.000	3.13				
*** Sample ID: DJJ87					Seq: 76	16:56:47 06 Oct 2000 HG		
Hg	.007	ppb	.000	.007				
*** Sample ID: DJJ89					Seq: 77	16:58:39 06 Oct 2000 HG		
Hg	.099	ppb	.000	.099				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: DJJ8C					Seq: 78	17:00:33 06 Oct 2000 HG		
Hg	.217	ppb	.000	.217				
*** Sample ID: ~~DJJ8C~~ DJJ83 10/10/00					Seq: 79	17:02:24 06 Oct 2000 HG		
Hg	.040	ppb	.000	.040				
*** Sample ID: DJJ8E					Seq: 80	17:04:20 06 Oct 2000 HG		
Hg	-.039	ppb	.000	-.039				
*** Sample ID: DLH4A					Seq: 81	17:06:31 06 Oct 2000 HG		
Hg	.155	ppb	.000	.155				
*** Sample ID: DLH4AS					Seq: 82	17:08:25 06 Oct 2000 HG		
Hg	1.14	ppb	.000	1.14				
*** Sample ID: DLH4AD					Seq: 83	17:10:17 06 Oct 2000 HG		
Hg	1.34	ppb	.000	1.34				
*** Sample ID: DLH4D					Seq: 84	17:12:09 06 Oct 2000 HG		
Hg	.282	ppb	.000	.282				
*** Sample ID: CCV7					Seq: 85	17:14:02 06 Oct 2000 HG		
Hg	4.94	ppb	.000	4.94				
*** Sample ID: CCB7					Seq: 86	17:16:05 06 Oct 2000 HG		
Hg	-.028	ppb	.000	-.028				
*** Sample ID: DLH4F					Seq: 87	17:18:09 06 Oct 2000 HG		
Hg	.068	ppb	.000	.068				
*** Sample ID: DLH4J					Seq: 88	17:20:02 06 Oct 2000 HG		
Hg	.253	ppb	.000	.253				
*** Sample ID: DLH5H					Seq: 89	17:21:55 06 Oct 2000 HG		
Hg	.191	ppb	.000	.191				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: DLH5M				Seq:	90	17:23:59 06 Oct 2000 HG		
Hg	.297	ppb	.000	.297				
*** Sample ID: DLHHQ				Seq:	91	17:25:55 06 Oct 2000 HG		
Hg	.214	ppb	.000	.214				
*** Sample ID: DLHK5				Seq:	92	17:27:49 06 Oct 2000 HG		
Hg	.133	ppb	.000	.133				
*** Sample ID: CCV2				Seq:	93	17:29:55 06 Oct 2000 HG		
Hg	5.03	ppb	.000	5.03				
*** Sample ID: CCB2				Seq:	94	17:31:40 06 Oct 2000 HG		
Hg	-.046	ppb	.000	-.046				

RQC057

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

Run Date: 10/03/00
Time: 15:40:09

BATCH NUMBER: **0277500**

PREP DATE: 10/03/00
DUE DATE 10/09/00

INITIALS: Jm/ET 10/3/00

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT		HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0J030150	DLFGE	01	1.00 g	X	0.60 g	g	g
SOLID	TO DUE DATE:		10/09/00				
	DLFGES		1.00 g		0.60 g	g	g
	DLFGED		1.00 g		0.60 g	g	g
E0J030150	DLFGQ	01	1.00 g	X	0.60 g	g	g
SOLID	TO DUE DATE:		10/09/00				
E0J030150	DLFGV	01	1.00 g	X	0.60 g	g	g
SOLID	TO DUE DATE:		10/09/00				
E0J030150	DLFHQ	01	1.00 g	X	0.60 g	g	g
SOLID	TO DUE DATE:		10/09/00				
E0J030150	DLFHX	01	1.00 g	X	0.60 g	g	g
SOLID	TO DUE DATE:		10/09/00				
E0J030150	DLFJ4	01	1.00 g	X	0.60 g	g	g
SOLID	TO DUE DATE:		10/09/00				
E0J030150	DLFJ6	01	1.00 g	X	0.60 g	g	g
SOLID	TO DUE DATE:		10/09/00				
E0J030150	DLFJ8	01	1.00 g	X	0.61 g	g	g
SOLID	TO DUE DATE:		10/09/00				
E0J030150	DLFJA	01	0.99 g	X	0.60 g	g	g
SOLID	TO DUE DATE:		10/09/00				
E0J030150	DLFJD	01	1.00 g	X	0.60 g	g	g
SOLID	TO DUE DATE:		10/09/00				
E0J030150	DLFJK	01	1.00 g	X	0.60 g	g	g
SOLID	TO DUE DATE:		10/09/00				
E0J030150	DLFJN	01	1.00 g	X	0.60 g	g	g
SOLID	TO DUE DATE:		10/09/00				
E0J030150	DLFJQ	01	1.00 g	X	0.60 g	g	g
SOLID	TO DUE DATE:		10/09/00				
E0J030150	DLFJV	01	1.00 g	X	0.60 g	g	g
SOLID	TO DUE DATE:		10/09/00				

RQC057

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

Run Date: 10/03/00
Time: 15:40:09

BATCH NUMBER: **0277500**

PREP DATE: 10/03/00
DUE DATE 10/09/00

INITIALS: MI EI

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0J030150	DLFK0	01	1.01 g	X 0.60 g	g	g
SOLID	TO DUE DATE:		10/09/00			
E0J030150	DLFK5	01	1.00 g	X 0.60 g	g	g
SOLID	TO DUE DATE:		10/09/00			
E0J030150	DLFK7	01	1.00 g	X 0.60 g	g	g
SOLID	TO DUE DATE:		10/09/00			
E0J030150	DLFKA	01	1.00 g	X 0.60 g	g	g
SOLID	TO DUE DATE:		10/09/00			
E0J030150	DLFKE	01	1.00 g	X 0.60 g	g	g
SOLID	TO DUE DATE:		10/09/00			
E0J030150	DLFKG	01	1.00 g	X 0.60 g	g	g
SOLID	TO DUE DATE:		10/09/00			
E0J030000	DLGDDB	01	1.00 g	X 0.60 g	g	g
SOLID	DUE DATE:		0/00/00			
	DLGDDC		1.00 g	0.60 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: 0277500

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

Prepared By: _____ Date/Time Initiated: 10/05/00 1000

Reviewed By: _____ Date/Time Completed: 1 1030

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 T09A058
*HCl	3.75 mL	5587 N41A07
$KMnO_4$	15 mL	995929
$K_2S_2O_8$	8.0 mL	995705

* 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	000152+ 419100

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: 10/05/00 Received By: _____ Date: 10/06/00

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08/19/00

RQC057

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

Run Date: 10/04/00
Time: 12:43:22

BATCH NUMBER: **0278323**

PREP DATE: 10/04/00
DUE DATE 10/09/00

INITIALS: EI

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0J030150	DLFKJ	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/09/00			
	DLFKJS		_____g	0.60 g	_____g	_____g
	DLFKJD		_____g	0.60 g	_____g	_____g
E0J030233	DLGAH	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/09/00			
E0J030233	DLGAN	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/09/00			
E0J030233	DLGD4	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/09/00			
E0J030233	DLGD9	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/09/00			
E0J030233	DLGDE	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/09/00			
E0J030262	DLGPR	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J030262	DLGPV	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J030262	DLGQG	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J030262	DLGQJ	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J030262	DLGQN	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040125	DLH33	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040125	DLH39	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040125	DLH3D	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			

RQC057

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

Run Date: 10/04/00
Time: 12:43:22

BATCH NUMBER: **0278323**

PREP DATE: 10/04/00
DUE DATE 10/09/00

INITIALS: JR

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0J040125	DLH3E	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040125	DLH3J	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040125	DLH3L	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040125	DLH3T	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040125	DLH47	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040125	DLH48	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040000	DLHNQB	01	_____g	X 0.61 g	_____g	_____g
SOLID	DUE DATE:		0/00/00			
	DLHNQC		_____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: 0278323

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

Prepared By: [signature]
Reviewed By: [signature]

Date/Time Initiated: 10/5/01 1030
Date/Time Completed: 1 1100

Water Bath # 5 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 T09A058
*HCl	3.75 mL	5587 N41A07
$KMnO_4$	15 mL	995929
$K_2S_2O_8$	8.0 mL	995705

* 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	000152÷ 419100

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: 10/5/01 Received By: [signature] Date: 10/6/01

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08/19/00

RQC057

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

Run Date: 10/04/00
Time: 19:17:10

BATCH NUMBER: **0278325**

PREP DATE: 10/04/00
DUE DATE 9/18/00

INITIALS: Jgn/BE

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
L0H280191	DJJ7X	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		9/18/00			
L0H280191	DJJ80	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		9/18/00			
L0H280191	DJJ81	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		9/18/00			
L0H280191	DJJ82	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		9/18/00			
L0H280191	DJJ83	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		9/18/00			
L0H280191	DJJ84	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		9/18/00			
L0H280191	DJJ86	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		9/18/00			
L0H280191	DJJ87	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		9/18/00			
L0H280191	DJJ89	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		9/18/00			
L0H280191	DJJ8C	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		9/18/00			
L0H280191	DJJ8E	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		9/18/00			
E0J040125	DLH4A	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
	DLH4AS		_____g	0.60 g	_____g	_____g
	DLH4AD		_____g	0.60 g	_____g	_____g
E0J040125	DLH4D	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040125	DLH4F	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			

RQC057

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

Run Date: 10/04/00
Time: 19:17:10

BATCH NUMBER: **0278325**

PREP DATE: 10/04/00
DUE DATE 9/18/00

INITIALS: JJ/CI

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0J040125	DLH4J	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040125	DLH5H	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040125	DLH5M	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040183	DLHHQ	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040183	DLHK5	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040000	DLHP0B	01	_____g	X 0.00 g	_____g	_____g
SOLID	DUE DATE:		0/00/00			
	DLHP0C		_____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: 0278325

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

Prepared By: _____ Date/Time Initiated: 10/05/001 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 T09A058
*HCl	3.75 mL	5587 N41A07
$KMnO_4$	15 mL	995929
$K_2S_2O_8$	8.0 mL	995705

* 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	000152+ 419100

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: 10/5/01 Received By: _____ Date: 10/6/01

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08/19/00

STL Los Angeles
Précis
CVAA Data Summary Cover Sheet

EOJ040125

Mercury
Instrument ID: Leeman PS200 – M03
Leeman PS200 – M04

Analyst: JGA
Analytical Date: 10/6/00
Data File: H601006B
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.
0277500	EOJ030150	JG 10/10/00		L3
0278323	EOJ030150			L3
	EOJ030233			L3
	EOJ030262			L3
	EOJ040125			L3
0278325	LOH280191			L3
	EOJ040125			L3
	EOJ040183			L3

Calibration Stds:
Preparation: Date 10/5/00 Time 1000
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:

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06/22/00

FURNACE DATA SHEET

File: HG01006B Element: HG__ Instrument: LEEMAN_____

rt Run Date: 10/06/00 End Run Date: 10/06/00

1 of 3

Correlation Coefficient: _=1.000000 Slope: __0.000000 Intercept: __0.000000

0.9999 10/10/00 Jr

Concentration Units: Ug/L

#	SAMPLE ID	Time	Dil Factor	Sample (Absorb)	Sample (Conc)	%R/R	Flag		
1	S0	14:32	1.00		0.0000				
2	S0.2	14:35	1.00		0.2000				
3	S0.5	14:36	1.00		0.5000				
4	S1	14:38	1.00		1.0000				
5	S5	14:40	1.00		5.0000				
6	S10	14:42	1.00		10.0000				
7	ICV	14:47	1.00		2.5500	102			
8	ICB	14:49	1.00		-0.0360			ND	
9	DLGDDB	14:50	1.00		-0.1290			ND	
10	DLGDDC	14:52	1.00		4.9400	99		0.823	
11	DLFGE	14:54	1.00		0.2490			0.042	
12	DLFGES	14:56	1.00		1.2900	104		0.215	
13	DLFGED	14:58	1.00		1.3000	105		0.217	
14	DLFGQ	14:59	1.00		0.1880			0.031	
15	DLFGV	15:01	1.00		-0.0130			ND	
16	DLFHQ	15:03	1.00		0.1750			0.029	
7	DLFHX	15:05	1.00		0.0690			ND	
3	CCV1	15:07	1.00		5.1100	102			
19	CCB1	15:08	1.00		-0.0430			ND	
20	DLFJ4	15:10	1.00		0.0310			ND	
21	DLFJ6	15:12	1.00		0.2670			0.045	
22	DLFJ8	15:14	1.00		0.0860			ND	
23	DLFJA	15:16	1.00		0.3240			0.054	
24	DLFJD	15:17	1.00		0.0150			ND	
25	DLFJK	15:19	1.00		0.1930			0.032	
26	DLFJN	15:21	1.00		0.2580			0.043	
27	DLFJQ	15:23	1.00		0.3780			0.063	
28	DLFJV	15:25	1.00		0.8060			0.134	
29	CCV2	15:27	1.00		5.0900	102			
30	CCB2	15:29	1.00		-0.0420			ND	
31	DLFK0	15:30	1.00		0.1670			0.028	
32	DLFK5	15:32	1.00		0.0710			ND	
33	DLFK7	15:34	1.00		0.2650			0.044	
34	DLFKA	15:36	1.00		0.1940			0.032	
35	DLFKE	15:37	1.00		-0.0110			ND	
36	DLFKG	15:39	1.00		0.1870			0.031	
37	DLHNQB	15:41	1.00		-0.0340			ND	
38	DLHNQC	15:43	1.00		4.8800	98		0.813	
39	DLFKJ	15:45	1.00		0.3370			0.056	
40	DLFKJS	15:46	1.00		1.4000	106		0.233	

Analyst: jga_____ QC Reviewer: _____

FURNACE DATA SHEET

2 of 3

File: HG01006B Element: HG__ Instrument: LEEMAN_____

Start Run Date: 10/06/00 End Run Date: 10/06/00

Correlation Coefficient: _~~1.000000~~ Slope: __0.000000 Intercept: __0.000000

0.9999 10/10/00 JGA

Concentration Units: Ug/L

#	SAMPLE ID	Time	Dil Factor	Sample (Absorb)	Sample (Conc)	%R/R	Flag		
41	CCV3	15:48	1.00		5.0700	101			
42	CCB3	15:50	1.00		-0.0370			ND	
43	DLFKJD	15:52	1.00		1.2900	95		0.215	
44	DLGAH	15:54	1.00		0.1060			ND	
45	DLGAN	15:56	1.00		0.0860			ND	
46	DLGD4	15:58	1.00		0.2070			0.034	
47	DLGD9	16:00	1.00		0.0130			ND	
48	DLGDE	16:02	1.00		0.0640			ND	
49	DLGPR	16:03	1.00		0.1640			ND	
50	DLGPV	16:05	1.00		0.2250			0.038	
51	DLGQG	16:07	1.00		0.0740			ND	
52	CCV4	16:09	1.00		5.0400	100			
53	CCB4	16:11	1.00		-0.0390			ND	
54	DLGQJ	16:13	1.00		0.0740			ND	
55	DLGQN	16:15	1.00		0.1790			ND	
56	DLH33	16:17	1.00		0.2040			0.034	
7	DLH39	16:18	1.00		0.0490			ND	
8	DLH3D	16:20	1.00		0.3130			0.053	
59	DLH3E	16:22	1.00		0.0410			ND	
60	DLH3J	16:24	1.00		0.0980			ND	
61	DLH3L	16:26	1.00		0.0590			↓	
62	DLH3T	16:28	1.00		0.2430			0.040	
63	CCV5	16:30	1.00		5.1200	102			
64	CCB5	16:32	1.00		-0.0440			ND	
65	DLH47	16:33	1.00		0.0590			ND	
66	DLH48	16:35	1.00		0.1120			ND	
67	DLHP0B	16:37	1.00		-0.0280			ND	
68	DLHP0C	16:39	1.00		4.8100	96		0.802	
69	DJ~~J~~7X 10/10/00 JGA	16:41	1.00		0.1420			ND	
70	DJJ80	16:43	1.00		-0.0220			ND	
71	DJJ81	16:45	1.00		0.1060				
72	DJJ82	16:47	1.00		0.0480				
73	DJJ84	16:49	1.00		0.0640			↓	
74	CCV6	16:50	1.00		5.0200	100			
75	CCB6	16:52	1.00		-0.1020			ND	
76	DJJ86	16:54	1.00		3.1300			0.522	
77	DJJ87	16:56	1.00		0.0070			ND	
78	DJJ89	16:58	1.00		0.0990			↓	
79	DJJ8C	17:00	1.00		0.2170			0.036	
80	DJJ~~8C~~ 83 10/10/00 JGA	17:02	1.00		0.0400			ND	

Analyst: jga_____ QC Reviewer: _____

FURNACE DATA SHEET

3 of 3

File: HG01006B Element: HG__ Instrument: LEEMAN_____

Start Run Date: 10/06/00 End Run Date: 10/06/00

Correlation Coefficient: _~~-1.000000~~ Slope: __0.000000 Intercept: __0.000000

0.9999 10/10/00 jga

Concentration Units: ~~u~~g/L

#	SAMPLE ID	Time	Dil Factor	Sample (Absorb)	Sample (Conc)	%R/R	Flag		
_81	DJJ8E	17:04	1.00		-0.0390			ND	
_82	DLH4A	17:06	1.00		0.1550			ND	
_83	DLH4AS	17:08	1.00		1.1400	114		0.190	
_84	DLH4AD	17:10	1.00		1.3400	134		0.223	
_85	DLH4D	17:12	1.00		0.2820			0.047	
_86	CCV7	17:14	1.00		4.9400	99			
_87	CCB7	17:16	1.00		-0.0280			ND	
_88	DLH4F	17:18	1.00		0.0680			ND	
_89	DLH4J	17:20	1.00		0.2530			0.042	
_90	DLH5H	17:21	1.00		0.1910			ND	
_91	DLH5M	17:23	1.00		0.2970			0.050	
_92	DLHHQ	17:25	1.00		0.2140			0.036	
_93	DLHK5	17:27	1.00		0.1330			ND	
_94	CCV8	17:29	1.00		5.0300	101			
_95	CCB8	17:31	1.00		-0.0460			ND	
_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		14:32:45 06 Oct 2000 HG		
Hg	.000	ppb	-1500					
*** Standard: 2 Rep: 1				Seq: 1		14:35:06 06 Oct 2000 HG		
Hg	.200	ppb	12663					
*** Standard: 3 Rep: 1				Seq: 2		14:36:56 06 Oct 2000 HG		
Hg	.500	ppb	28819					
*** Standard: 4 Rep: 1				Seq: 3		14:38:57 06 Oct 2000 HG		
Hg	1.00	ppb	57551					
*** Standard: 5 Rep: 1				Seq: 4		14:40:46 06 Oct 2000 HG		
Hg	5.00	ppb	279854					
*** Standard: 6 Rep: 1				Seq: 5		14:42:35 06 Oct 2000 HG		
Hg	10.0	ppb	545054					

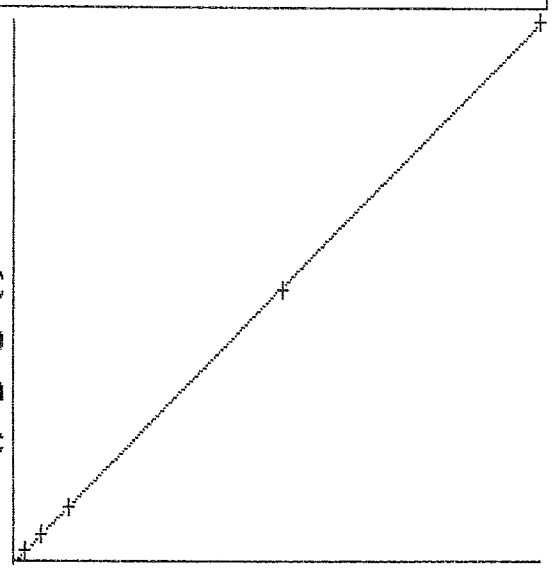
```
RunProt: HG-A        Err: Prep needs maintenance        Mode:     Analyze
RunFold: HG01006B Seq: 6    Batch:                      RunPrep: prp7470
                  Prnt: R/T On                    Pump: On
                  Rev: 4.2    14:45:39 06 Oct 2000 Xmit: Off Gas:     0.70 LPM
  Idle None                                       User: JGA         A/S: On
```

CALIBRATION: Line proto: HG-A

	Hg Conc.	Calc.	Dev.	Accepted ->linear	
S1	.000	-.060	-.060	Quadratic	
S2	.200	.200	-.000	Wtdlinear	
S3	.500	.495	-.005		C
S4	1.00	1.02	.022	Accept	o
S5	5.00	5.09	.093		n
S6	10.0	9.95	-.050		c

A .0000000 r .999905

B 1.83144e-5 C -3.23312e-2



Relative Absorbance

	Mean			
S1	-1500	0	SD	-1500
S2	12663	0	%RSD	12663
S3	28819	0	%RSD	28819
S4	57551	0	%RSD	57551
S5	279854	0	%RSD	279854
S6	545054	0	%RSD	545054

New cal coefficients stored

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: ICV					Seq: 6	14:47:27 06 Oct 2000 HG		
Hg	2.55	ppb	.000	2.55				
*** Sample ID: ICB					Seq: 7	14:49:15 06 Oct 2000 HG		
Hg	-.036	ppb	.000	-.036				
*** Sample ID: DLGDDB					Seq: 8	14:50:58 06 Oct 2000 HG		
Hg	-.129	ppb	.000	-.129				
*** Sample ID: DLGDDC					Seq: 9	14:52:45 06 Oct 2000 HG		
Hg	4.94	ppb	.000	4.94				
*** Sample ID: DLFGE					Seq: 10	14:54:28 06 Oct 2000 HG		
Hg	.249	ppb	.000	.249				
*** Sample ID: DLFGES					Seq: 11	14:56:14 06 Oct 2000 HG		
Hg	1.29	ppb	.000	1.29				
*** Sample ID: DLFGED					Seq: 12	14:58:00 06 Oct 2000 HG		
Hg	1.30	ppb	.000	1.30				
*** Sample ID: DLFGQ					Seq: 13	14:59:54 06 Oct 2000 HG		
Hg	.188	ppb	.000	.188				
*** Sample ID: DLFGV					Seq: 14	15:01:41 06 Oct 2000 HG		
Hg	-.013	ppb	.000	-.013				
*** Sample ID: DLFHQ					Seq: 15	15:03:27 06 Oct 2000 HG		
Hg	.175	ppb	.000	.175				
*** Sample ID: DLFHX					Seq: 16	15:05:31 06 Oct 2000 HG		
Hg	.069	ppb	.000	.069				
*** Sample ID: CCV1					Seq: 17	15:07:17 06 Oct 2000 HG		
Hg	5.11	ppb	.000	5.11				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: CCB1					Seq: 18	15:08:58 06 Oct 2000 HG		
Hg	-.043	ppb	.000	-.043				
*** Sample ID: DLFJ4					Seq: 19	15:10:51 06 Oct 2000 HG		
Hg	.031	ppb	.000	.031				
*** Sample ID: DLFJ6					Seq: 20	15:12:34 06 Oct 2000 HG		
Hg	.267	ppb	.000	.267				
*** Sample ID: DLFJ8					Seq: 21	15:14:22 06 Oct 2000 HG		
Hg	.086	ppb	.000	.086				
*** Sample ID: DLFJA					Seq: 22	15:16:05 06 Oct 2000 HG		
Hg	.324	ppb	.000	.324				
*** Sample ID: DLFJD					Seq: 23	15:17:59 06 Oct 2000 HG		
Hg	.015	ppb	.000	.015				
*** Sample ID: DLFJK					Seq: 24	15:19:44 06 Oct 2000 HG		
Hg	.193	ppb	.000	.193				
*** Sample ID: DLFJN					Seq: 25	15:21:28 06 Oct 2000 HG		
Hg	.258	ppb	.000	.258				
*** Sample ID: DLFJQ					Seq: 26	15:23:22 06 Oct 2000 HG		
Hg	.378	ppb	.000	.378				
*** Sample ID: DLFJV					Seq: 27	15:25:29 06 Oct 2000 HG		
Hg	.806	ppb	.000	.806				
*** Sample ID: CCV2					Seq: 28	15:27:23 06 Oct 2000 HG		
Hg	5.09	ppb	.000	5.09				
*** Sample ID: CCB2					Seq: 29	15:29:12 06 Oct 2000 HG		
Hg	-.042	ppb	.000	-.042				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: DLFK0					Seq: 30	15:30:56 06 Oct 2000 HG		
Hg	.167	ppb	.000	.167				
*** Sample ID: DLFK5					Seq: 31	15:32:40 06 Oct 2000 HG		
Hg	.071	ppb	.000	.071				
*** Sample ID: DLFK7					Seq: 32	15:34:24 06 Oct 2000 HG		
Hg	.265	ppb	.000	.265				
*** Sample ID: DLFKA					Seq: 33	15:36:08 06 Oct 2000 HG		
Hg	.194	ppb	.000	.194				
*** Sample ID: DLFKE					Seq: 34	15:37:56 06 Oct 2000 HG		
Hg	-.011	ppb	.000	-.011				
*** Sample ID: DLFKG					Seq: 35	15:39:41 06 Oct 2000 HG		
Hg	.187	ppb	.000	.187				
*** Sample ID: DLHNQB					Seq: 36	15:41:28 06 Oct 2000 HG		
Hg	-.034	ppb	.000	-.034				
*** Sample ID: DLHNQC					Seq: 37	15:43:23 06 Oct 2000 HG		
Hg	4.88	ppb	.000	4.88				
*** Sample ID: DLFKJ					Seq: 38	15:45:13 06 Oct 2000 HG		
Hg	.337	ppb	.000	.337				
*** Sample ID: DLFKJS					Seq: 39	15:46:59 06 Oct 2000 HG		
Hg	1.40	ppb	.000	1.40				
*** Sample ID: CCV3					Seq: 40	15:48:44 06 Oct 2000 HG		
Hg	5.07	ppb	.000	5.07				
*** Sample ID: CCB3					Seq: 41	15:50:30 06 Oct 2000 HG		
Hg	-.037	ppb	.000	-.037				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: DLFKJD					Seq: 42	15:52:16 06 Oct 2000 HG		
Hg	1.29	ppb	.000	1.29				
*** Sample ID: DLGAH					Seq: 43	15:54:23 06 Oct 2000 HG		
Hg	.106	ppb	.000	.106				
*** Sample ID: DLGAN					Seq: 44	15:56:10 06 Oct 2000 HG		
Hg	.086	ppb	.000	.086				
*** Sample ID: DLGD4					Seq: 45	15:58:00 06 Oct 2000 HG		
Hg	.207	ppb	.000	.207				
*** Sample ID: DLGD9					Seq: 46	16:00:08 06 Oct 2000 HG		
Hg	.013	ppb	.000	.013				
*** Sample ID: DLGDE					Seq: 47	16:02:04 06 Oct 2000 HG		
Hg	.064	ppb	.000	.064				
*** Sample ID: DLGPR					Seq: 48	16:03:49 06 Oct 2000 HG		
Hg	.164	ppb	.000	.164				
*** Sample ID: DLGPV					Seq: 49	16:05:35 06 Oct 2000 HG		
Hg	.225	ppb	.000	.225				
*** Sample ID: DLGQG					Seq: 50	16:07:25 06 Oct 2000 HG		
Hg	.074	ppb	.000	.074				
*** Sample ID: CCV4					Seq: 51	16:09:48 06 Oct 2000 HG		
Hg	5.04	ppb	.000	5.04				
*** Sample ID: CCB4					Seq: 52	16:11:45 06 Oct 2000 HG		
Hg	-.039	ppb	.000	-.039				
*** Sample ID: DLGQJ					Seq: 53	16:13:32 06 Oct 2000 HG		
Hg	.074	ppb	.000	.074				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: DLGQN				Seq:	54	16:15:19 06 Oct 2000 HG		
Hg	.179	ppb	.000	.179				
*** Sample ID: DLH33				Seq:	55	16:17:08 06 Oct 2000 HG		
Hg	.204	ppb	.000	.204				
*** Sample ID: DLH39				Seq:	56	16:18:55 06 Oct 2000 HG		
Hg	.049	ppb	.000	.049				
*** Sample ID: DLH3D				Seq:	57	16:20:53 06 Oct 2000 HG		
Hg	.313	ppb	.000	.313				
*** Sample ID: DLH3E				Seq:	58	16:22:41 06 Oct 2000 HG		
Hg	.041	ppb	.000	.041				
*** Sample ID: DLH3J				Seq:	59	16:24:29 06 Oct 2000 HG		
Hg	.098	ppb	.000	.098				
*** Sample ID: DLH3L				Seq:	60	16:26:41 06 Oct 2000 HG		
Hg	.059	ppb	.000	.059				
*** Sample ID: DLH3T				Seq:	61	16:28:32 06 Oct 2000 HG		
Hg	.243	ppb	.000	.243				
*** Sample ID: CCV5				Seq:	62	16:30:20 06 Oct 2000 HG		
Hg	5.12	ppb	.000	5.12				
*** Sample ID: CCB5				Seq:	63	16:32:09 06 Oct 2000 HG		
Hg	-.044	ppb	.000	-.044				
*** Sample ID: DLH47				Seq:	64	16:33:58 06 Oct 2000 HG		
Hg	.059	ppb	.000	.059				
*** Sample ID: DLH48				Seq:	65	16:35:52 06 Oct 2000 HG		
Hg	.112	ppb	.000	.112				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: DLHPOB					Seq: 66	16:37:41 06 Oct 2000 HG		
Hg	-.028	ppb	.000	-.028				
*** Sample ID: DLHPOC					Seq: 67	16:39:43 06 Oct 2000 HG		
Hg	4.81	ppb	.000	4.81				
*** Sample ID: DJ77X					Seq: 68	16:41:34 06 Oct 2000 HG		
Hg	.142	ppb	.000	.142				
*** Sample ID: DJJ80					Seq: 69	16:43:24 06 Oct 2000 HG		
Hg	-.022	ppb	.000	-.022				
*** Sample ID: DJJ81					Seq: 70	16:45:19 06 Oct 2000 HG		
Hg	.106	ppb	.000	.106				
*** Sample ID: DJJ82					Seq: 71	16:47:09 06 Oct 2000 HG		
Hg	.048	ppb	.000	.048				
*** Sample ID: DJJ84					Seq: 72	16:49:03 06 Oct 2000 HG		
Hg	.064	ppb	.000	.064				
*** Sample ID: CCV6					Seq: 73	16:50:53 06 Oct 2000 HG		
Hg	5.02	ppb	.000	5.02				
*** Sample ID: CCB6					Seq: 74	16:52:45 06 Oct 2000 HG		
Hg	-.102	ppb	.000	-.102				
*** Sample ID: DJJ86					Seq: 75	16:54:57 06 Oct 2000 HG		
Hg	3.13	ppb	.000	3.13				
*** Sample ID: DJJ87					Seq: 76	16:56:47 06 Oct 2000 HG		
Hg	.007	ppb	.000	.007				
*** Sample ID: DJJ89					Seq: 77	16:58:39 06 Oct 2000 HG		
Hg	.099	ppb	.000	.099				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: DJJ8C					Seq: 78	17:00:33 06 Oct 2000 HG		
Hg	.217	ppb	.000	.217				
*** Sample ID: ~~DJJ8C~~ DJJ83 10/10/00					Seq: 79	17:02:24 06 Oct 2000 HG		
Hg	.040	ppb	.000	.040				
*** Sample ID: DJJ8E					Seq: 80	17:04:20 06 Oct 2000 HG		
Hg	-.039	ppb	.000	-.039				
*** Sample ID: DLH4A					Seq: 81	17:06:31 06 Oct 2000 HG		
Hg	.155	ppb	.000	.155				
*** Sample ID: DLH4AS					Seq: 82	17:08:25 06 Oct 2000 HG		
Hg	1.14	ppb	.000	1.14				
*** Sample ID: DLH4AD					Seq: 83	17:10:17 06 Oct 2000 HG		
Hg	1.34	ppb	.000	1.34				
*** Sample ID: DLH4D					Seq: 84	17:12:09 06 Oct 2000 HG		
Hg	.282	ppb	.000	.282				
*** Sample ID: CCV7					Seq: 85	17:14:02 06 Oct 2000 HG		
Hg	4.94	ppb	.000	4.94				
*** Sample ID: CCB7					Seq: 86	17:16:05 06 Oct 2000 HG		
Hg	-.028	ppb	.000	-.028				
*** Sample ID: DLH4F					Seq: 87	17:18:09 06 Oct 2000 HG		
Hg	.068	ppb	.000	.068				
*** Sample ID: DLH4J					Seq: 88	17:20:02 06 Oct 2000 HG		
Hg	.253	ppb	.000	.253				
*** Sample ID: DLH5H					Seq: 89	17:21:55 06 Oct 2000 HG		
Hg	.191	ppb	.000	.191				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: DLH5M				Seq:	90	17:23:59 06 Oct 2000 HG		
Hg	.297	ppb	.000	.297				
*** Sample ID: DLHHQ				Seq:	91	17:25:55 06 Oct 2000 HG		
Hg	.214	ppb	.000	.214				
*** Sample ID: DLHK5				Seq:	92	17:27:49 06 Oct 2000 HG		
Hg	.133	ppb	.000	.133				
*** Sample ID: CCV2				Seq:	93	17:29:55 06 Oct 2000 HG		
Hg	5.03	ppb	.000	5.03				
*** Sample ID: CCB2				Seq:	94	17:31:40 06 Oct 2000 HG		
Hg	-.046	ppb	.000	-.046				

RQC057

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

Run Date: 10/03/00
Time: 15:40:09

BATCH NUMBER: **0277500**

PREP DATE: 10/03/00
DUE DATE 10/09/00

INITIALS: Jm/ET 10/3/00

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT		HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0J030150	DLFGE	01	1.00 g	X	0.60 g	g	g
SOLID	TO DUE DATE:		10/09/00				
	DLFGES		1.00 g		0.60 g	g	g
	DLFGED		1.00 g		0.60 g	g	g
E0J030150	DLFGQ	01	1.00 g	X	0.60 g	g	g
SOLID	TO DUE DATE:		10/09/00				
E0J030150	DLFGV	01	1.00 g	X	0.60 g	g	g
SOLID	TO DUE DATE:		10/09/00				
E0J030150	DLFHQ	01	1.00 g	X	0.60 g	g	g
SOLID	TO DUE DATE:		10/09/00				
E0J030150	DLFHX	01	1.00 g	X	0.60 g	g	g
SOLID	TO DUE DATE:		10/09/00				
E0J030150	DLFJ4	01	1.00 g	X	0.60 g	g	g
SOLID	TO DUE DATE:		10/09/00				
E0J030150	DLFJ6	01	1.00 g	X	0.60 g	g	g
SOLID	TO DUE DATE:		10/09/00				
E0J030150	DLFJ8	01	1.00 g	X	0.61 g	g	g
SOLID	TO DUE DATE:		10/09/00				
E0J030150	DLFJA	01	0.99 g	X	0.60 g	g	g
SOLID	TO DUE DATE:		10/09/00				
E0J030150	DLFJD	01	1.00 g	X	0.60 g	g	g
SOLID	TO DUE DATE:		10/09/00				
E0J030150	DLFJK	01	1.00 g	X	0.60 g	g	g
SOLID	TO DUE DATE:		10/09/00				
E0J030150	DLFJN	01	1.00 g	X	0.60 g	g	g
SOLID	TO DUE DATE:		10/09/00				
E0J030150	DLFJQ	01	1.00 g	X	0.60 g	g	g
SOLID	TO DUE DATE:		10/09/00				
E0J030150	DLFJV	01	1.00 g	X	0.60 g	g	g
SOLID	TO DUE DATE:		10/09/00				

RQC057

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

Run Date: 10/03/00
Time: 15:40:09

BATCH NUMBER: **0277500**

PREP DATE: 10/03/00
DUE DATE 10/09/00

INITIALS: MI EI

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0J030150	DLFK0	01	1.01 g	X 0.60 g	g	g
SOLID	TO DUE DATE:		10/09/00			
E0J030150	DLFK5	01	1.00 g	X 0.60 g	g	g
SOLID	TO DUE DATE:		10/09/00			
E0J030150	DLFK7	01	1.00 g	X 0.60 g	g	g
SOLID	TO DUE DATE:		10/09/00			
E0J030150	DLFKA	01	1.00 g	X 0.60 g	g	g
SOLID	TO DUE DATE:		10/09/00			
E0J030150	DLFKE	01	1.00 g	X 0.60 g	g	g
SOLID	TO DUE DATE:		10/09/00			
E0J030150	DLFKG	01	1.00 g	X 0.60 g	g	g
SOLID	TO DUE DATE:		10/09/00			
E0J030000	DLGDDB	01	1.00 g	X 0.60 g	g	g
SOLID	DUE DATE:		0/00/00			
	DLGDDC		1.00 g	0.60 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: 0277500

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

Prepared By: [signature]

Reviewed By: [signature]

Date/Time Initiated: 10/05/00 1000

Date/Time Completed: 1 1030

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 T09A058
*HCl	3.75 mL	5587 N41A07
$KMnO_4$	15 mL	995929
$K_2S_2O_8$	8.0 mL	995705

* 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	000152+ 419100

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: 10/05/00 Received By: [signature] Date: 10/06/00

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08/19/00

RQC057

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

Run Date: 10/04/00
Time: 12:43:22

BATCH NUMBER: **0278323**

PREP DATE: 10/04/00
DUE DATE 10/09/00

INITIALS: EI

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0J030150	DLFKJ	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/09/00			
	DLFKJS		_____g	0.60 g	_____g	_____g
	DLFKJD		_____g	0.60 g	_____g	_____g
E0J030233	DLGAH	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/09/00			
E0J030233	DLGAN	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/09/00			
E0J030233	DLGD4	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/09/00			
E0J030233	DLGD9	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/09/00			
E0J030233	DLGDE	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/09/00			
E0J030262	DLGPR	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J030262	DLGPV	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J030262	DLGQG	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J030262	DLGQJ	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J030262	DLGQN	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040125	DLH33	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040125	DLH39	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040125	DLH3D	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			

RQC057

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

Run Date: 10/04/00
Time: 12:43:22

BATCH NUMBER: **0278323**

PREP DATE: 10/04/00
DUE DATE 10/09/00

INITIALS: JR

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0J040125	DLH3E	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040125	DLH3J	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040125	DLH3L	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040125	DLH3T	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040125	DLH47	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040125	DLH48	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040000	DLHNQB	01	_____g	X 0.61 g	_____g	_____g
SOLID	DUE DATE:		0/00/00			
	DLHNQC		_____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: 0278323

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

Prepared By: [signature]
Reviewed By: [signature]

Date/Time Initiated: 10/5/01 1030
Date/Time Completed: 10/6/01 1100

Water Bath # 5 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 T09A058
*HCl	3.75 mL	5587 N41A07
$KMnO_4$	15 mL	995929
$K_2S_2O_8$	8.0 mL	995705

* 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	000152+ 419100

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: 10/6/01 Received By: [signature] Date: 10/6/01

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08/19/00

RQC057

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

Run Date: 10/04/00
Time: 19:17:10

BATCH NUMBER: **0278325**

PREP DATE: 10/04/00
DUE DATE 9/18/00

INITIALS: [illegible]

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
L0H280191	DJJ7X	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		9/18/00			
L0H280191	DJJ80	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		9/18/00			
L0H280191	DJJ81	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		9/18/00			
L0H280191	DJJ82	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		9/18/00			
L0H280191	DJJ83	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		9/18/00			
L0H280191	DJJ84	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		9/18/00			
L0H280191	DJJ86	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		9/18/00			
L0H280191	DJJ87	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		9/18/00			
L0H280191	DJJ89	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		9/18/00			
L0H280191	DJJ8C	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		9/18/00			
L0H280191	DJJ8E	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		9/18/00			
E0J040125	DLH4A	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
	DLH4AS		_____g	0.60 g	_____g	_____g
	DLH4AD		_____g	0.60 g	_____g	_____g
E0J040125	DLH4D	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040125	DLH4F	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			

RQC057

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

Run Date: 10/04/00
Time: 19:17:10

BATCH NUMBER: **0278325**

PREP DATE: 10/04/00
DUE DATE 9/18/00

INITIALS: JG/GI

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0J040125	DLH4J	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040125	DLH5H	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040125	DLH5M	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040183	DLHHQ	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040183	DLHK5	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040000	DLHP0B	01	_____g	X 0.00 g	_____g	_____g
SOLID	DUE DATE:		0/00/00			
	DLHP0C		_____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: 0278325

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

Prepared By: _____ Date/Time Initiated: 10/05/001 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 T09A058
*HCl	3.75 mL	5587 N41A07
$KMnO_4$	15 mL	995929
$K_2S_2O_8$	8.0 mL	995705

* 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	000152+ 419100

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: 10/5/01 Received By: _____ Date: 10/6/01

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08/19/00

STL Los Angeles
Précis
CVAA Data Summary Cover Sheet

Instrument ID: ICPT - M01

Analyst: lcr
Analytical Date: 10/05/00

Analysis by SOP: 6010B - 200.7 - CORP-MT-0001 Rev 2 ✓

Data File: P100500

Batch	Lot/Project	Data Upload	Review/Release	Pkg.
0278276	EOJ 040160	lcr 10/06/00		
	EOJ 030233			
	EOJ 030246			
	LOI 190323			
	EOJ 030262			
	LOI 260284			
0279531	EOJ 020156			
0278301	EOJ 030150			
	EOJ 030233			
	EOJ 030262			
	EOJ 040125			
0278311	EOJ 040125			
	EOJ 040183			
	EOJ 030150			
	Linear Range			
0278311	SCE - CS4151			

Standards

Calibration Stds:	**Lot #**	**Calibration Check Stds:**	**Lot #**
1. Blank	100300-T1	ICV	100300-T4
2. STD1	100300-T2	CCV	100300-T5
3.		ICSA	100300-T7
4.		ICSAB	092200-T8
5.		5.	
6.		6.	

Notes/Comments:

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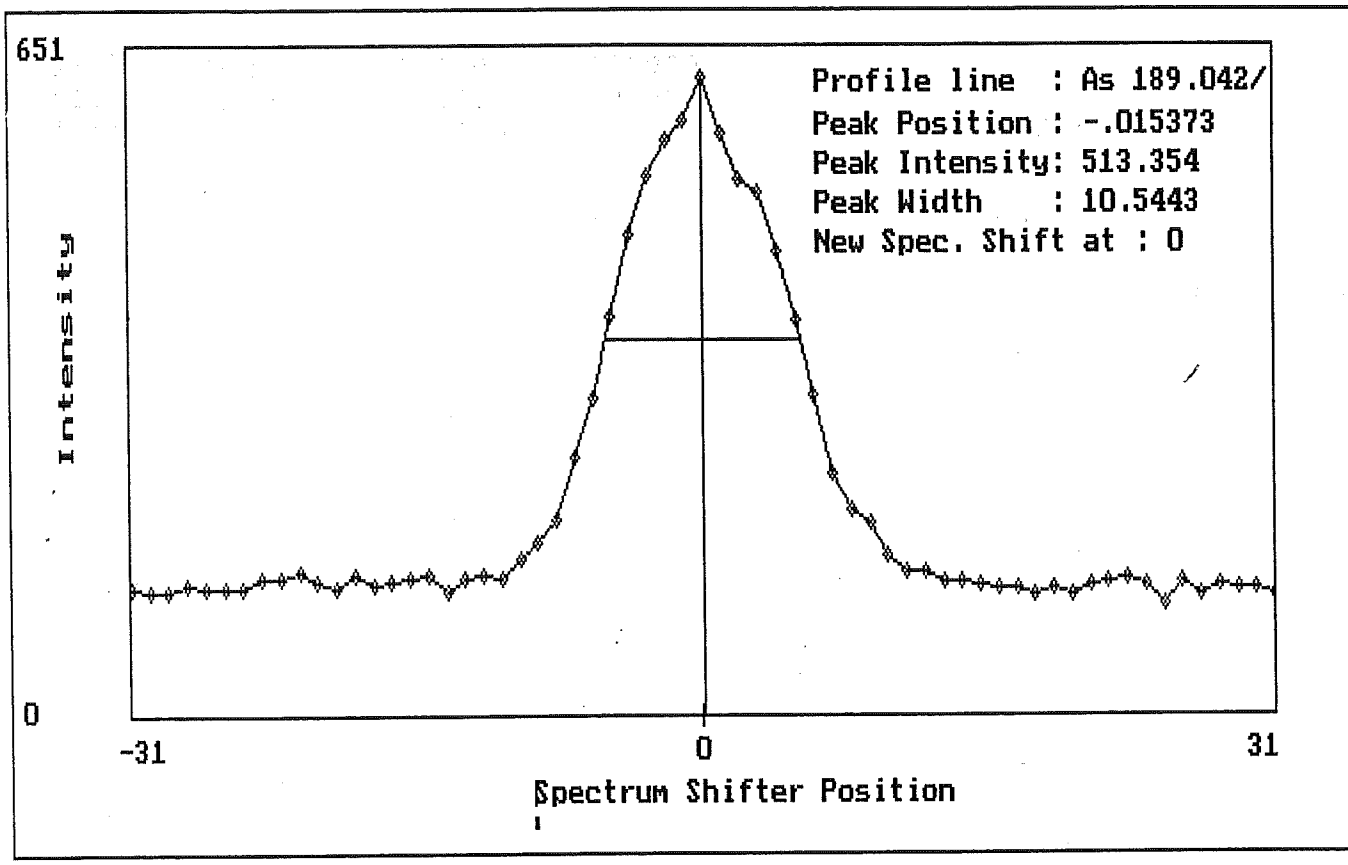
09/08/00


651
Profile line : As 189.042/
Peak Position : -.015373
Peak Intensity: 513.354
Peak Width : 10.5443
New Spec. Shift at : 0
Intensity
0
-31
0
31
Spectrum Shifter Position

10/05/00

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	STDBLK	P100500	QTESTNAK	10/05/00	13:27		X	IR
2	STD1	P100500	QTESTNAK	10/05/00	13:33		X	IR
3	ICVHP	P100500	QTESTNAK	10/05/00	13:40	KT	S	CONC
4	ICB	P100500	QTESTNAK	10/05/00	13:48	KT	S	CONC
5	ICSA	P100500	QTESTNAK	10/05/00	13:54	KT	S	CONC
6	ICSAB	P100500	QTESTNAK	10/05/00	14:02	KT	S	CONC
7	TEST-4.0	P100500	QTESTNAK	10/05/00	14:10	KT	S	CONC
8	TEST-CRI	P100500	QTESTNAK	10/05/00	14:18	KT	S	CONC
9	DLHHGB-0278276	P100500	QTESTNAK	10/05/00	14:26	KT	S	CONC
10	DLHHGC	P100500	QTESTNAK	10/05/00	14:32	KT	S	CONC
11	DLHCH	P100500	QTESTNAK	10/05/00	14:42	KT	S	CONC
12	DLGAR	P100500	QTESTNAK	10/05/00	14:48	KT	S	CONC
13	DLGHFF	P100500	QTESTNAK	10/05/00	14:54	KT	S	CONC
14	DL64T	P100500	QTESTNAK	10/05/00	15:02	KT	S	CONC
15	CCVT	P100500	QTESTNAK	10/05/00	15:10	KT	S	CONC
16	CCBT	P100500	QTESTNAK	10/05/00	15:19	KT	Q	CONC
17	DLHCH 15X	P100500	QTESTNAK	10/05/00	15:25	KT	S	CONC
18	CCVT	P100500	QTESTNAK	10/05/00	15:33	KT	S	CONC
19	CCBT	P100500	QTESTNAK	10/05/00	15:41	KT	Q	CONC
20	DL64V	P100500	QTESTNAK	10/05/00	15:47	KT	S	CONC
21	DLGPH	P100500	QTESTNAK	10/05/00	15:55	KT	S	CONC
22	DL3DQ	P100500	QTESTNAK	10/05/00	16:04	KT	S	CONC
23	DL3E1	P100500	QTESTNAK	10/05/00	16:10	KT	S	CONC
24	DL3E4	P100500	QTESTNAK	10/05/00	16:18	KT	S	CONC
25	DL3E6	P100500	QTESTNAK	10/05/00	16:26	KT	S	CONC
26	DL3E7	P100500	QTESTNAK	10/05/00	16:34	KT	S	CONC
27	DL3E8	P100500	QTESTNAK	10/05/00	16:58	KT	S	CONC
28	DL3E9	P100500	QTESTNAK	10/05/00	17:06	KT	S	CONC
29	DL3EA	P100500	QTESTNAK	10/05/00	17:14	KT	S	CONC
30	CCVT	P100500	QTESTNAK	10/05/00	17:31	KT	S	CONC
31	CCBT	P100500	QTESTNAK	10/05/00	17:39	KT	Q	CONC
32	DL64V	P100500	QTESTNAK	10/05/00	17:45	KT	S	CONC
33	DLGPH	P100500	QTESTNAK	10/05/00	17:53	KT	S	CONC
34	DL3DQ	P100500	QTESTNAK	10/05/00	17:59	KT	S	CONC
35	DL3E1	P100500	QTESTNAK	10/05/00	18:20	KT	S	CONC
36	DL3E4	P100500	QTESTNAK	10/05/00	18:28	KT	S	CONC
37	DL3E6	P100500	QTESTNAK	10/05/00	18:36	KT	S	CONC
38	DL3E7	P100500	QTESTNAK	10/05/00	18:44	KT	S	CONC
39	DL3E8	P100500	QTESTNAK	10/05/00	18:54	KT	S	CONC
40	DL3E9	P100500	QTESTNAK	10/05/00	19:07	KT	S	CONC
41	DL3EA	P100500	QTESTNAK	10/05/00	19:15	KT	S	CONC
42	CCVT	P100500	QTESTNAK	10/05/00	19:23	KT	S	CONC
43	CCBT	P100500	QTESTNAK	10/05/00	19:31	KT	Q	CONC
44	DL3EJ	P100500	QTESTNAK	10/05/00	19:41	KT	S	CONC
45	DL3EP	P100500	QTESTNAK	10/05/00	19:49	KT	S	CONC
46	DL3ET	P100500	QTESTNAK	10/05/00	19:57	KT	S	CONC
47	DL3ETP	P100500	QTESTNAK	10/05/00	20:05	KT	S	CONC
48	DL3ETS	P100500	QTESTNAK	10/05/00	20:11	KT	S	CONC
49	DL3ETD	P100500	QTESTNAK	10/05/00	20:19	KT	S	CONC
50	CCVT	P100500	QTESTNAK	10/05/00	20:27	KT	S	CONC
51	CCBT	P100500	QTESTNAK	10/05/00	20:35	KT	Q	CONC
52	AG-2	P100500	QTESTNAK	10/05/00	20:41	KT	S	CONC
53	SB-5	P100500	QTESTNAK	10/05/00	20:49	KT	S	CONC

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
54	SR-5	P100500	QTESTNAK	10/05/00	20:59	KT	S	CONC
55	ZN-5	P100500	QTESTNAK	10/05/00	21:07	KT	S	CONC
56	AS-10	P100500	QTESTNAK	10/05/00	21:15	KT	S	CONC
57	BE-10	P100500	QTESTNAK	10/05/00	21:23	KT	S	CONC
58	CD-10	P100500	QTESTNAK	10/05/00	21:32	KT	S	CONC
59	SE-10	P100500	QTESTNAK	10/05/00	21:40	KT	S	CONC
60	TL-20	P100500	QTESTNAK	10/05/00	21:48	KT	S	CONC
61	MN-25	P100500	QTESTNAK	10/05/00	21:56	KT	S	CONC
62	CCVT	P100500	QTESTNAK	10/05/00	22:04	KT	S	CONC
63	CCBT.	P100500	QTESTNAK	10/05/00	22:12	KT	Q	CONC
64	B-50	P100500	QTESTNAK	10/05/00	22:18	KT	S	CONC
65	BA-50	P100500	QTESTNAK	10/05/00	22:26	KT	S	CONC
66	CU-50	P100500	QTESTNAK	10/05/00	22:34	KT	S	CONC
67	CR-50	P100500	QTESTNAK	10/05/00	22:42	KT	S	CONC
68	MO-50	P100500	QTESTNAK	10/05/00	22:48	KT	S	CONC
69	PB-50	P100500	QTESTNAK	10/05/00	22:54	KT	S	CONC
70	SI-50	P100500	QTESTNAK	10/05/00	23:02	KT	S	CONC
71	TI-50	P100500	QTESTNAK	10/05/00	23:10	KT	S	CONC
72	SN-50	P100500	QTESTNAK	10/05/00	23:18	KT	S	CONC
73	CO-100	P100500	QTESTNAK	10/05/00	23:26	KT	S	CONC
74	CCVT	P100500	QTESTNAK	10/05/00	23:32	KT	S	CONC
75	CCBT.	P100500	QTESTNAK	10/05/00	23:40	KT	Q	CONC
76	NI-100	P100500	QTESTNAK	10/05/00	23:46	KT	S	CONC
77	V-100	P100500	QTESTNAK	10/05/00	23:52	KT	S	CONC
3	AL-500	P100500	QTESTNAK	10/05/00	23:58	KT	S	CONC
79	CA-700	P100500	QTESTNAK	10/06/00	00:06	KT	S	CONC
80	FE-1000	P100500	QTESTNAK	10/06/00	00:15	KT	S	CONC
81	MG-1000	P100500	QTESTNAK	10/06/00	00:20	KT	S	CONC
82	CCVT	P100500	QTESTNAK	10/06/00	00:29	KT	S	CONC
83	CCBT.	P100500	QTESTNAK	10/06/00	00:37	KT	Q	CONC
84	DLHMDB-0278311	P100500	QTESTNAK	10/06/00	00:43	KT	S	CONC
85	DLHMDC	P100500	QTESTNAK	10/06/00	00:49	KT	S	CONC
86	DLH48	P100500	QTESTNAK	10/06/00	00:57	KT	S	CONC
87	DLH48P	P100500	QTESTNAK	10/06/00	01:05	KT	S	CONC
88	DLH48S	P100500	QTESTNAK	10/06/00	01:13	KT	S	CONC
89	DLH48D	P100500	QTESTNAK	10/06/00	01:21	KT	S	CONC
90	DLH4A	P100500	QTESTNAK	10/06/00	01:29	KT	S	CONC
91	DLH4D	P100500	QTESTNAK	10/06/00	01:37	KT	S	CONC
92	DLH4F	P100500	QTESTNAK	10/06/00	01:45	KT	S	CONC
93	DLH4J	P100500	QTESTNAK	10/06/00	01:53	KT	S	CONC
94	CCVT	P100500	QTESTNAK	10/06/00	02:01	KT	S	CONC
95	CCBT,	P100500	QTESTNAK	10/06/00	02:12	KT	Q	CONC
96	DLH5H	P100500	QTESTNAK	10/06/00	02:18	KT	S	CONC
97	DLH5M	P100500	QTESTNAK	10/06/00	02:26	KT	S	CONC
98	DLHHQ	P100500	QTESTNAK	10/06/00	02:34	KT	S	CONC
99	DLHK5	P100500	QTESTNAK	10/06/00	02:42	KT	S	CONC
100	DLFJ6	P100500	QTESTNAK	10/06/00	02:50	KT	S	CONC
101	DLFJ8	P100500	QTESTNAK	10/06/00	02:58	KT	S	CONC
102	SCE-CSM151	P100500	QTESTNAK	10/06/00	03:06	KT	S	CONC
3	CCVT	P100500	QTESTNAK	10/06/00	03:12	KT	S	CONC
04	CCBT,	P100500	QTESTNAK	10/06/00	03:20	KT	Q	CONC
105	DLHL8B-0278301	P100500	QTESTNAK	10/06/00	03:26	KT	S	CONC
106	DLHL8C	P100500	QTESTNAK	10/06/00	03:32	KT	S	CONC
107	DLFKJ	P100500	QTESTNAK	10/06/00	03:40	KT	S	CONC

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
108	DLFKJP	P100500	QTESTNAK	10/06/00	03:48	KT	S	CONC
109	DLFKJS	P100500	QTESTNAK	10/06/00	03:56	KT	S	CONC
110	DLFKJD	P100500	QTESTNAK	10/06/00	04:05	KT	S	CONC
111	DLGAH	P100500	QTESTNAK	10/06/00	04:13	KT	S	CONC
112	DLGAN	P100500	QTESTNAK	10/06/00	04:23	KT	S	CONC
113	DLGD4	P100500	QTESTNAK	10/06/00	04:31	KT	S	CONC
114	DLGD9	P100500	QTESTNAK	10/06/00	04:39	KT	S	CONC
115	CCVT	P100500	QTESTNAK	10/06/00	04:47	KT	S	CONC
116	CCBT'	P100500	QTESTNAK	10/06/00	04:55	KT	Q	CONC
117	DLGDE	P100500	QTESTNAK	10/06/00	05:01	KT	S	CONC
118	DLGPR	P100500	QTESTNAK	10/06/00	05:09	KT	S	CONC
119	DLGPV	P100500	QTESTNAK	10/06/00	05:17	KT	S	CONC
120	DLGQG	P100500	QTESTNAK	10/06/00	05:25	KT	S	CONC
121	DLGQJ	P100500	QTESTNAK	10/06/00	05:34	KT	S	CONC
122	DLH33	P100500	QTESTNAK	10/06/00	05:42	KT	S	CONC
123	DLH39	P100500	QTESTNAK	10/06/00	05:50	KT	S	CONC
124	DLH3D	P100500	QTESTNAK	10/06/00	05:58	KT	S	CONC
125	DLH3E	P100500	QTESTNAK	10/06/00	06:06	KT	S	CONC
126	DLH3J	P100500	QTESTNAK	10/06/00	06:14	KT	S	CONC
127	CCVT	P100500	QTESTNAK	10/06/00	06:24	KT	S	CONC
128	CCBT'	P100500	QTESTNAK	10/06/00	06:32	KT	Q	CONC
129	DLH3L	P100500	QTESTNAK	10/06/00	06:38	KT	S	CONC
130	DLH3T	P100500	QTESTNAK	10/06/00	06:46	KT	S	CONC
131	DLH47	P100500	QTESTNAK	10/06/00	06:55	KT	S	CONC
2	DLLXVB-0279531-DI 2X	P100500	QTESTNAK	10/06/00	07:11	KT	S	CONC
133	DLLXVC 2X	P100500	QTESTNAK	10/06/00	07:17	KT	S	CONC
134	DLE46 2X	P100500	QTESTNAK	10/06/00	07:25	KT	S	CONC
135	DLE46P 2X	P100500	QTESTNAK	10/06/00	07:33	KT	S	CONC
136	DLE46S 2X	P100500	QTESTNAK	10/06/00	07:41	KT	S	CONC
137	DLE46 2X	P100500	QTESTNAK	10/06/00	07:49	KT	S	CONC
138	DLE46X 2X	P100500	QTESTNAK	10/06/00	07:57	KT	S	CONC
139	CCVT	P100500	QTESTNAK	10/06/00	08:05	KT	S	CONC
140	CCBT'	P100500	QTESTNAK	10/06/00	08:14	KT	Q	CONC
141	DLLXVB-0279531 10X	P100500	QTESTNAK	10/06/00	08:20	KT	S	CONC
142	DLLXVC 10X	P100500	QTESTNAK	10/06/00	08:28	KT	S	CONC
143	DLE46 10X	P100500	QTESTNAK	10/06/00	08:36	KT	S	CONC
144	DLE46P 10X	P100500	QTESTNAK	10/06/00	08:44	KT	S	CONC
145	DLE46S 10X	P100500	QTESTNAK	10/06/00	08:52	KT	S	CONC
146	DLE46D 10X	P100500	QTESTNAK	10/06/00	09:00	KT	S	CONC
147	DLE46X 10X	P100500	QTESTNAK	10/06/00	09:08	KT	S	CONC
148	CCVT	P100500	QTESTNAK	10/06/00	09:16	KT	S	CONC
149	CCBT,	P100500	QTESTNAK	10/06/00	09:24	KT	Q	CONC

Method: QTESTNAK Standard: STDBLK
Run Time: 10/05/00 13:27:04

Elem	Al3082	As1890	Ba4934	Be3130	Cd_tr	Ca3179	Cr_tr
Avge	.07858	-.02271	.00029	.00015	.02904	.00206	.00546
SDev	.00312	.00542	.00000	.00021	.00688	.00000	.00021
%RSD	3.9700	23.886	.01001	141.42	23.680	.01001	3.8322
#1	.07638	-.02654	.00029	.00029	.02418	.00206	.00560
#2	.08079	-.01887	.00029	.00000	.03391	.00206	.00531

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Mo2020	Ni2316
Avge	-.00029	.01032	-.00029	.00103	.00029	.00029	.00015
SDev	.00000	.00000	.00000	.00021	.00000	.00000	.00021
%RSD	.01001	.01001	.01001	20.213	.01001	.01001	141.42
#1	-.00029	.01032	-.00029	.00118	.00029	.00029	.00029
#2	-.00029	.01032	-.00029	.00088	.00029	.00029	.00000

Elem	Ag_tr	Na3302	Tl1908	Ti3349	V_2924	Zn2138	Sn1899
Avge	.00029	-.00103	-.02831	-.00118	.00015	.00088	-.00074
SDev	.00000	.00063	.00209	.00000	.00021	.00000	.00021
%RSD	.01001	60.601	7.3757	.01001	141.42	.01001	28.294
#1	.00029	-.00059	-.02978	-.00118	.00000	.00088	-.00088
#2	.00029	-.00147	-.02683	-.00118	.00029	.00088	-.00059

lem	2068_1	2068_2	2203_1	2203_2	1960_1	1960_2	B_2496
Avge	-.00944	.00251	.05676	.00604	-.01121	.00855	-.0001
SDev	.00167	.00063	.00562	.00063	.00000	.00042	.0002
%RSD	17.688	24.966	9.9079	10.358	.01001	4.8866	141.4
#1	-.01062	.00295	.05279	.00649	-.01121	.00885	.0000
#2	-.00826	.00206	.06074	.00560	-.01120	.00826	-.0003

Elem	Sr4215	Si2881
Avge	.0000	.0599
SDev	.0000	.0008
%RSD	.0000	1.403
#1	.0000	.0605
#2	.0000	.0593

IntStd de	1 Counts	2 NOTUSED	3 NOTUSED	4 NOTUSED	5 NOTUSED	6 NOTUSED	7 NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6783	--	--	--	--	--	--
SDev	.6787949	--	--	--	--	--	--
%RSD	.0100079	--	--	--	--	--	--
#1	6782	--	--	--	--	--	--
#2	6783	--	--	--	--	--	--

Method: QTESTNAK Standard: STD1
Run Time: 10/05/00 13:33:37

Elem	Al3082	As1890	Ba4934	Be3130	Cd_tr	Ca3179	Cr_tr
Avge	15.822	2.2280	3.5983	6.7859	17.676	2.5236	8.4163
SDev	.112	.0111	.0212	.1230	.540	.0566	.2265
%RSD	.70762	.49895	.58986	1.8123	3.0538	2.2448	2.6912
#1	15.743	2.2359	3.5833	6.8729	18.058	2.5637	8.5765
#2	15.901	2.2202	3.6133	6.6989	17.295	2.4835	8.2562

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Mo2020	Ni2316
Avge	1.1897	3.1629	3.4404	22.254	3.6230	.46991	1.2788
SDev	.0272	.0385	.0622	.081	.0822	.00343	.0268
%RSD	2.2853	1.2160	1.8086	.36239	2.2676	.72885	2.0939
#1	1.2089	3.1357	3.4844	22.311	3.6811	.47233	1.2977
#2	1.1705	3.1901	3.3964	22.197	3.5650	.46749	1.2599

Elem	Ag_tr	Na3302	Tl1908	Ti3349	V_2924	Zn2138	Sn1899
Avge	5.9410	3.7608	2.5449	2.2045	1.8201	1.0860	.19080
SDev	.0170	.0316	.0101	.0154	.0242	.0241	.00202
%RSD	.28640	.84088	.39785	.69991	1.3275	2.2222	1.0592
#1	5.9530	3.7384	2.5520	2.2154	1.8372	1.1030	.19222
#2	5.9290	3.7832	2.5377	2.1936	1.8030	1.0689	.18937

Elem	2068_1	2068_2	2203_1	2203_2	1960_1	1960_2	B_2496
Avge	1.3797	.66102	5.2354	2.2878	.28970	.40069	.6140
SDev	.0299	.02311	.2299	.0557	.01444	.00206	.0096
%RSD	2.1669	3.4958	4.3905	2.4363	4.9852	.51357	1.564
#1	1.4008	.64468	5.0728	2.3272	.27949	.40215	.6208
#2	1.3586	.67736	5.3979	2.2484	.29991	.39924	.6072

Elem	Sr4215	Si2881
Avge	7.411	1.393
SDev	.007	.009
%RSD	.0906	.6687
#1	7.406	1.399
#2	7.416	1.386

IntStd	1	2	3	4	5	6	7
ɔde	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
ɛlem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6341	--	--	--	--	--	--
SDev	140.3749	--	--	--	--	--	--
%RSD	2.213716	--	--	--	--	--	--
#1	6440	--	--	--	--	--	--
#2	6242	--	--	--	--	--	--

Standardization Report 10/05/00 01:39:32 PM page 1

Method: QTESTNAK Slope = Conc(SIR)/IR

ement	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	3.18442	-.250244	10/05/00 01:33:37
As1890	189.042	STD1	STDBLK	.445067	.010105	10/05/00 01:33:37
Ba4934	493.409	STD1	STDBLK	1.11172	-.000328	10/05/00 01:33:37
Be3130	313.042	STD1	STDBLK	.589848	-.000087	10/05/00 01:33:37
Cd_tr	226.502	STD1	STDBLK	.057139	-.001660	10/05/00 01:33:37
Ca3179	317.933	STD1	STDBLK	79.3245	-.163735	10/05/00 01:33:37
Cr_tr	267.716	STD1	STDBLK	.475672	-.002595	10/05/00 01:33:37
Co2286	228.616	STD1	STDBLK	3.37017	.000994	10/05/00 01:33:37
Cu3247	324.753	STD1	STDBLK	1.26847	-.013091	10/05/00 01:33:37
Fe2714	271.441	STD1	STDBLK	14.6534	.004321	10/05/00 01:33:37
Mg2790	279.078	STD1	STDBLK	8.98231	-.009270	10/05/00 01:33:37
Mn2576	257.610	STD1	STDBLK	1.10413	-.000326	10/05/00 01:33:37
Mo2020	202.030	STD1	STDBLK	8.50688	-.002508	10/05/00 01:33:37
Ni2316	231.604	STD1	STDBLK	3.12827	-.000461	10/05/00 01:33:37
Ag_tr	328.068	STD1	STDBLK	.336882	-.000099	10/05/00 01:33:37
Na3302	330.232	STD1	STDBLK	1.01741	.012813	10/05/00 01:33:37
Tl1908	190.864	STD1	STDBLK	.782511	.022151	10/05/00 01:33:37
Ti3349	334.941	STD1	STDBLK	1.81391	.002140	10/05/00 01:33:37
V_2924	292.402	STD1	STDBLK	2.19931	-.000324	10/05/00 01:33:37
Zn2138	213.856	STD1	STDBLK	3.71241	-.003284	10/05/00 01:33:37
Sn1899	189.989	STD1	STDBLK	20.9015	.015409	10/05/00 01:33:37
68_1	206.831	STD1	STDBLK	.695806	.006566	10/05/00 01:33:37
2068_2	206.832	STD1	STDBLK	1.50118	-.003763	10/05/00 01:33:37
2203_1	220.351	STD1	STDBLK	.196365	-.011146	10/05/00 01:33:37
2203_2	220.352	STD1	STDBLK	.434734	-.002628	10/05/00 01:33:37
1960_1	196.021	STD1	STDBLK	3.33042	.037318	10/05/00 01:33:37
1960_2	196.022	STD1	STDBLK	2.48425	-.021244	10/05/00 01:33:37
B_2496	249.678	STD1	STDBLK	6.51332	.000960	10/05/00 01:33:37
Sr4215	421.552	STD1	STDBLK	.539752	.000000	10/05/00 01:33:37
Si2881	288.158	STD1	STDBLK	3.00109	-.179644	10/05/00 01:33:37

Method: QTESTNAK Sample Name: ICVHP Operator: KT
Run Time: 10/05/00 13:40:08
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.99969	.98159	.99594	9.9246	.98798	1.0162	1.0485
SDev	.00395	.00475	.00430	.0168	.00068	.0024	.0011
%RSD	.39471	.48361	.43129	.16879	.06914	.23199	.10088
#1	.99690	.97824	.99290	9.9364	.98749	1.0146	1.0478
#2	1.0025	.98495	.99898	9.9127	.98846	1.0179	1.0493
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	1.0159	41.656	1.0431	1.0186	.97677	10.459	40.127
SDev	.0036	.013	.0020	.0022	.00073	.004	.053
%RSD	.35296	.03203	.18739	.21118	.07503	.03533	.13322
#1	1.0134	41.647	1.0418	1.0171	.97728	10.462	40.089
#2	1.0185	41.666	1.0445	1.0201	.97625	10.457	40.165
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	1.0562	1.0034	1.0356	.39328	38.314	5.0646	1.0454
SDev	.0022	.0069	.0011	.00004	.008	.0245	.0028
%RSD	.21238	.69150	.11107	.01015	.02207	.48422	.27011
#1	1.0546	.99847	1.0348	.39331	38.320	5.0473	1.0434
#2	1.0577	1.0083	1.0364	.39325	38.308	5.0820	1.0474
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	1.0332	1.0347	.96760	.98582	1.0162	1.0287	.98521
SDev	.0002	.0017	.02023	.00653	.0002	.0008	.00552
%RSD	.01619	.16812	2.0913	.66254	.01805	.07774	.55996
#1	1.0331	1.0335	.95329	.98120	1.0163	1.0282	.98131
#2	1.0333	1.0359	.98191	.99044	1.0161	1.0293	.98911
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
ᵣge	1.0063	.96924	.9781	1.030	L.8847
₅Dev	.0070	.01061	.0049	.002	.0016
%RSD	.69584	1.0950	.4985	.1913	.1807
#1	1.0113	.96174	.9746	1.028	L.8859
#2	1.0014	.97675	.9815	1.031	L.8836
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	6646	--	--	--	--	--	--
SDev	13.97226	--	--	--	--	--	--
%RSD	.2102433	--	--	--	--	--	--
#1	6636	--	--	--	--	--	--
#2	6656	--	--	--	--	--	--

Method: QTESTNAK Sample Name: ICB Operator: KT
Time: 10/05/00 13:48 Filename: P100500
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: STL LA Cust. Smpl. ID.: Cust. ID.:

Elems	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm
Avge	0.00048	0.00106	0.00205
SDev	0.00177	0.00520	0.00073
%RSD	368.20812	487.20770	35.91192

Elems	Al3082	As1890	Ba4934
Units	ppm	ppm	ppm
Avge	-0.02444	-0.00037	-0.00016
SDev	0.00023	0.00137	0.00023
%RSD	0.96061	371.25292	142.19287

Elems	Be3130	Cd_tr	Ca3179
Units	ppm	ppm	ppm
Avge	0.00017	-0.00056	0.00067
SDev	0.00012	0.00029	0.00032
%RSD	70.95582	52.33670	47.90428

Elems	Cr_tr	Co2286	Cu3247
Units	ppm	ppm	ppm
Avge	-0.00012	0.00099	0.00005
SDev	0.00070	0.00000	0.00002
%RSD	545.97888	0.03148	47.22152

Elems	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm
Avge	-0.00227	-0.00390	-0.00032
SDev	0.00304	0.00383	0.00000
%RSD	133.82981	98.17261	0.00000

Elems	Mo2020	Ni2316	Ag_tr
Units	ppm	ppm	ppm
Avge	0.00253	-0.00045	-0.00029
SDev	0.00357	0.00130	0.00000
%RSD	141.06527	284.78308	0.16719

Elems	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm
Avge	0.20539	-0.00240	-0.00000
SDev	0.00988	0.00814	0.00000
%RSD	4.81344	339.22827	49.89956

Elems	V_2924	Zn2138	Sn1899
Units	ppm	ppm	ppm
Avge	0.00032	0.00001	-0.00005
SDev	0.00000	0.00000	0.00434
%RSD	0.94104	14.52419	7429.15576

Elems	2068_1	2068_2	2203_1

Elems	2068_1	2068_2	2203_1
Units			
Avge	0.00317	-0.00018	0.00117
SDev	0.00046	0.00128	0.00114
%RSD	14.63786	688.75823	97.94358

Elems	2203_2	1960_1	1960_2
Units			
Avge	0.00013	0.00230	0.00044
SDev	0.00208	0.00216	0.00671
%RSD	1520.55944	93.61223	1500.15844

Elems	B_2496	Sr4215	Si2881
Units	ppm	ppm	ppm
Avge	0.00096	0.00008	-0.00059
SDev	0.00000	0.00011	0.00027
%RSD	0.00000	141.42135	46.46308

Elems	*Y
Units	
Avge	6754.75976
SDev	13.29346
%RSD	0.19680

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Method: QTESTNAK Sample Name: ICSA Operator: KT
Run Time: 10/05/00 13:54:11
(ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00009	.00291	-.00228	491.66	.00122	.00039	.00020
SDev	.00184	.00369	.00541	1.91	.00419	.00000	.00014
%RSD	1964.3	126.56	237.06	.38936	342.69	.14469	67.480
#1	-.00140	.00552	.00154	490.31	.00419	.00039	.00030
#2	.00121	.00031	-.00611	493.02	-.00174	.00040	.00011
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	.00390	492.18	-.00230	.00251	-.00040	196.50	488.86
SDev	.00007	.89	.00068	.00000	.00032	.49	.50
%RSD	1.6935	.18089	29.429	.02832	78.516	.25036	.10265
#1	.00394	491.55	-.00182	.00251	-.00062	196.16	488.50
#2	.00385	492.81	-.00278	.00251	-.00018	196.85	489.21
rrors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
gh	.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	-.00355	.00490	.00005	-.00076	.06742	.00362	-.00051
SDev	.00000	.00582	.00072	.00015	.06064	.00402	.00042
%RSD	.07179	118.91	1538.4	20.426	89.942	110.96	81.712
#1	-.00355	.00902	.00055	-.00087	.02454	.00078	-.00022
#2	-.00356	.00078	-.00046	-.00065	.11030	.00647	-.00081
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	-.00030	.00076	-.01066	-.00274	-.00137	.02224	-.01125
SDev	.00001	.00090	.00005	.00499	.00626	.00377	.00464
%RSD	4.1260	117.63	.48890	182.14	456.96	16.929	41.295
#1	-.00029	.00140	-.01062	.00079	.00306	.02491	-.01453
#2	-.00031	.00013	-.01070	-.00626	-.00579	.01958	-.00796
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
rge	.00293	.00291	.0073	.0153	.0095
sDev	.00689	.00209	.0000	.0000	.0012
%RSD	235.24	71.885	.0687	.0790	12.90
#1	.00780	.00438	.0073	.0152	.0104
#2	-.00194	.00143	.0073	.0153	.0087
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	6155	--	--	--	--	--	--
SDev	4.864812	--	--	--	--	--	--
%RSD	.0790358	--	--	--	--	--	--
#1	6159	--	--	--	--	--	--
#2	6152	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: ICSAB Operator: KT
Run Time: 10/05/00 14:02:16
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0184	1.0149	1.0472	494.09	1.0264	.51681	.51189
SDev	.0056	.0004	.0043	1.46	.0073	.00171	.00193
%RSD	.54965	.04272	.41020	.29475	.71018	.33122	.37695
#1	1.0224	1.0146	1.0442	495.12	1.0315	.51802	.51325
#2	1.0145	1.0152	1.0503	493.06	1.0212	.51560	.51052
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.2000	1.2000	1.2000	600.00	1.2000	.60000	.60000
Low	.80000	.80000	.80000	400.00	.80000	.40000	.40000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.97471	494.81	.49841	.49980	.53063	197.52	491.60
SDev	.00397	2.25	.00238	.00292	.00116	.53	1.87
%RSD	.40754	.45409	.47727	.58497	.21886	.26687	.37968
#1	.97752	496.40	.50009	.50187	.53145	197.89	492.92
#2	.97190	493.22	.49673	.49773	.52981	197.15	490.28
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	.51166	1.0115	1.0016	1.0714	H13.027	1.0393	-.00033
SDev	.00195	.0074	.0029	.0035	.093	.0011	.00001
%RSD	.38057	.73363	.28638	.32510	.71028	.10724	3.2205
#1	.51304	1.0063	1.0036	1.0738	H13.092	1.0385	-.00034
#2	.51029	1.0168	.99953	1.0689	H12.961	1.0401	-.00032
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass
High	.60000	1.2000	1.2000	1.2000	12.000	1.2000	.10000
Low	.40000	.80000	.80000	.80000	8.0000	.80000	-.10000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.50457	1.0640	.00284	1.0317	1.0783	1.0776	.98891
SDev	.00167	.0038	.00966	.0089	.0049	.0067	.00505
%RSD	.33053	.35691	339.93	.86239	.45647	.62169	.51045
#1	.50575	1.0666	-.00399	1.0255	1.0817	1.0823	.99248
#2	.50339	1.0613	.00967	1.0380	1.0748	1.0728	.98534
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
ge	1.0512	.99675	.0084	.0152	.0065
SDev	.0074	.00435	.0015	.0002	.0029
%RSD	.70543	.43665	17.51	1.247	44.45
#1	1.0565	.99368	.0073	.0153	.0085
#2	1.0460	.99983	.0094	.0151	.0044
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	6144	--	--	--	--	--	--
SDev	26.41741	--	--	--	--	--	--
%RSD	.4299653	--	--	--	--	--	--
#1	6125	--	--	--	--	--	--
#2	6163	--	--	--	--	--	--

Method: QTESTNAK Sample Name: TEST-4.0 Operator: KT
Run Time: 10/05/00 14:10:21
ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04885	.05119	.62845	491.58	.09901	.51485	.51760
SDev	.00005	.00187	.00329	.96	.00069	.00007	.00016
%RSD	.10352	3.6516	.52400	.19568	.69768	.01460	.03195
#1	.04889	.04987	.62612	492.26	.09950	.51480	.51771
#2	.04882	.05251	.63078	490.90	.09852	.51491	.51748
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	.98016	493.34	.49590	.50209	.54830	196.85	489.47
SDev	.00182	.49	.00128	.00042	.00106	.06	.15
%RSD	.18609	.09923	.25895	.08446	.19259	.02977	.03071
#1	.98145	493.69	.49681	.50239	.54905	196.89	489.57
#2	.97887	493.00	.49500	.50179	.54755	196.81	489.36
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	.50507	1.0181	.98832	.21355	12.831	.09853	-.00032
SDev	.00068	.0128	.00084	.00034	.005	.00417	.00000
%RSD	.13466	1.2586	.08448	.15704	.03510	4.2303	.70115
#1	.50555	1.0090	.98891	.21379	12.828	.10148	-.00033
#2	.50459	1.0272	.98773	.21332	12.834	.09558	-.00032
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	.49232	1.0616	-.01065	.62231	.64074	.07234	.03713
SDev	.00092	.0043	.00003	.00894	.00802	.00275	.00130
%RSD	.18617	.40783	.25737	1.4368	1.2518	3.8049	3.4971
#1	.49297	1.0647	-.01067	.61599	.64641	.07428	.03621
#2	.49167	1.0585	-.01063	.62863	.63507	.07039	.03804
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	.06406	.04477	.0105	.0152	.0035
SDev	.00691	.00625	.0015	.0001	.0012
%RSD	10.789	13.967	14.35	.9019	35.44
#1	.06894	.04035	.0115	.0152	.0026
#2	.05917	.04919	.0094	.0151	.0043
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	6163	--	--	--	--	--	--
SDev	5.204209	--	--	--	--	--	--
%RSD	.0844428	--	--	--	--	--	--
#1	6159	--	--	--	--	--	--
#2	6167	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: TEST-CRI Operator: KT
Run Time: 10/05/00 14:18:26
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00322	.00983	.02166	.35855	.01957	.02010	.01025
SDev	.00124	.00246	.00020	.00274	.00105	.00015	.00005
%RSD	38.436	25.069	.93165	.76399	5.3591	.76603	.44281
#1	.00234	.01157	.02180	.36048	.02031	.02000	.01028
#2	.00409	.00809	.02152	.35661	.01882	.02021	.01022
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	.00360	10.264	.00966	.09988	.04781	.20909	9.6963
SDev	.00016	.029	.00029	.00075	.00007	.00462	.0003
%RSD	4.4060	.27984	3.0252	.74654	.15187	2.2110	.00283
#1	.00349	10.243	.00946	.09935	.04786	.20582	9.6965
#2	.00372	10.284	.00987	.10040	.04776	.21236	9.6961
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	.03191	.08073	.08021	.00976	9.4222	.01576	-.00001
SDev	.00001	.00063	.00070	.00036	.0569	.00537	.00002
%RSD	.03623	.77754	.87687	3.6552	.60413	34.048	121.32
#1	.03190	.08029	.08071	.00951	9.4624	.01197	-.00000
#2	.03192	.08117	.07971	.01001	9.3819	.01955	-.00002
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	.09978	.04252	-.00319	.02187	.02123	.00374	.00296
SDev	.00029	.00035	.00014	.00055	.00170	.00090	.00141
%RSD	.29414	.81959	4.3944	2.4977	8.0081	23.987	47.533
#1	.09958	.04228	-.00309	.02149	.02243	.00310	.00197
#2	.09999	.04277	-.00329	.02226	.02003	.00437	.00396
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	.01405	.00772	.0010	.0002	.0067
SDev	.00367	.00186	.0000	.0000	.0005
%RSD	26.096	24.135	.0000	.7537	7.174
#1	.01664	.00904	.0010	.0002	.0071
#2	.01145	.00641	.0010	.0002	.0064
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	6747	--	--	--	--	--	--
SDev	50.85541	--	--	--	--	--	--
%RSD	.7537351	--	--	--	--	--	--
#1	6783	--	--	--	--	--	--
#2	6711	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: CCVT Operator: KT
Run Time: 10/06/00 03:12:37
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49559	.49394	.49144	24.340	.49550	1.9950	2.0426
SDev	.00073	.00231	.00508	.109	.00795	.0036	.0013
%RSD	.14802	.46755	1.0329	.44591	1.6035	.17799	.06286
#1	.49611	.49557	.48786	24.416	.50111	1.9975	2.0417
#2	.49507	.49231	.49503	24.263	.48988	1.9925	2.0435
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	.50064	102.64	2.0441	2.0119	1.9482	25.468	100.55
SDev	.00104	.05	.0020	.0012	.0076	.065	.30
%RSD	.20785	.05115	.09607	.05771	.38752	.25514	.30044
#1	.49991	102.68	2.0428	2.0111	1.9536	25.514	100.76
#2	.50138	102.60	2.0455	2.0128	1.9429	25.422	100.33
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	2.0306	1.9763	2.0151	.99187	49.800	.96470	2.0344
SDev	.0016	.0235	.0010	.00254	.285	.00319	.0006
%RSD	.07721	1.1900	.04754	.25622	.57164	.33098	.02943
#1	2.0295	1.9597	2.0145	.99366	50.001	.96244	2.0340
#2	2.0317	1.9929	2.0158	.99007	49.598	.96695	2.0348
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	2.0250	2.0360	1.9354	.48490	.50456	.51300	.48689
SDev	.0017	.0030	.0028	.00822	.00121	.00215	.00003
%RSD	.08310	.14749	.14536	1.6941	.23982	.41950	.00522
#1	2.0261	2.0338	1.9334	.47909	.50541	.51452	.48691
#2	2.0238	2.0381	1.9374	.49071	.50370	.51148	.48687
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	.51619	.48283	1.977	2.037	2.018
SDev	.00604	.00045	.003	.004	.002
%RSD	1.1701	.09258	.1533	.1734	.1226
#1	.52046	.48315	1.979	2.039	2.020
#2	.51192	.48252	1.974	2.034	2.017
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	6689	--	--	--	--	--	--
SDev	5.600231	--	--	--	--	--	--
%RSD	.0837200	--	--	--	--	--	--
#1	6685	--	--	--	--	--	--
#2	6693	--	--	--	--	--	--

Analysis Report QC Standard 10/06/00 03:26:37 AM page 1

Method: QTESTNAK Sample Name: CCBT, Operator: KT
Run Time: 10/06/00 03:20:43
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00098	.00014	.00182	-.08417	-.00001	-.00000	.00017
SDev	.00079	.00023	.00113	.00571	.00236	.00000	.00012
%RSD	80.258	164.02	62.371	6.7826	36591.	22.289	71.611
#1	-.00042	.00030	.00102	-.08013	.00166	-.00000	.00026
#2	-.00154	-.00002	.00262	-.08821	-.00167	-.00000	.00008
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	.00017	-.00195	-.00051	.00001	.00058	-.00423	-.00137
SDev	.00009	.00044	.00001	.00000	.00004	.00605	.00002
%RSD	50.992	22.314	1.1230	33.939	6.2817	143.17	1.6859
#1	.00011	-.00164	-.00051	.00001	.00061	-.00851	-.00136
#2	.00024	-.00226	-.00052	.00001	.00056	.00005	-.00139
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	.00245	-.00046	.00015	.27316	-.00053	.00082
SDev	.00000	.00001	.00000	.00049	.02811	.00268	.00037
%RSD	22.289	.51980	.00000	331.80	10.290	506.51	45.202
#1	-.00000	.00246	-.00046	.00049	.25329	.00137	.00108
#2	-.00000	.00244	-.00046	-.00020	.29304	-.00242	.00056
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	-.00004	-.00591	.00339	-.00133	-.00211	-.00042
SDev	.00045	.00001	.00436	.00248	.00155	.00034	.00135
%RSD	12240.	23.847	73.827	72.981	116.38	16.132	324.59
#1	-.00032	-.00003	-.00900	.00164	-.00024	-.00235	.00054
#2	.00032	-.00004	-.00283	.00514	-.00243	-.00187	-.00137
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
ge	.00092	-.00025	.0010	.0000	.0022
sDev	.00353	.00210	.0000	.0000	.0005
%RSD	381.90	826.08	.0000	.0000	21.95
#1	-.00157	.00123	.0010	.0000	.0026
#2	.00342	-.00174	.0010	.0000	.0019
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	6864	--	--	--	--	--	--
SDev	18.46971	--	--	--	--	--	--
%RSD	.2690629	--	--	--	--	--	--
#1	6851	--	--	--	--	--	--
#2	6878	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: DLHL8B-0278301 Operator: KT
Run Time: 10/06/00 03:26:41
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00066	.00037	.00215	-.07760	.00093	-.00001	.00025
SDev	.00093	.00711	.00250	.00723	.00133	.00000	.00000
%RSD	140.77	1917.1	116.03	9.3126	143.11	14,964	.32832
#1	.00132	H.00540	.00039	-.08271	.00187	-.00001	.00025
#2	.00000	-.00466	.00392	-.07249	-.00001	-.00001	.00025
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	-.00001	.01929	.00454	.00099	.00136	.03805	.00244
SDev	.00024	.00061	.00022	.00000	.00031	.00608	.00553
%RSD	2269.7	3.1822	4.8012	.01922	22.595	15.986	226.28
#1	-.00018	.01972	.00469	.00099	.00158	.04235	.00636
#2	.00016	.01885	.00439	.00099	.00114	.03375	-.00147
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	.00047	.00240	-.00001	-.00010	.55741	-.00560	.00109
SDev	.00022	.00002	.00064	.00027	.10523	.00023	.00000
%RSD	47.326	.71122	7042.1	274.67	18.878	4.0263	.32592
#1	.00031	.00241	.00044	-.00029	.63182	-.00544	.00109
#2	.00063	.00239	-.00046	.00009	.48300	-.00576	.00109
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	.00206	-.00568	.00219	.00208	.00450	-.00126
SDev	.00045	.00001	.00419	.00268	.00213	.00102	.00089
%RSD	6373.8	.67610	73.759	122.62	102.14	22.531	70.781
#1	.00031	.00207	-.00272	.00029	.00058	.00522	-.00063
#2	-.00032	.00205	-.00865	.00408	.00358	.00379	-.00189
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
ge	-.00734	.00422	.0000	.0002	.0238
SDev	.00596	.00769	.0013	.0000	.0031
%RSD	81.264	182.19	5705.	.3357	13.18
#1	-.00312	.00966	.0010	.0002	.0260
#2	-.01155	-.00122	<.0000	.0002	.0215
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	6935	--	--	--	--	--	--
SDev	23.27790	--	--	--	--	--	--
%RSD	.3356709	--	--	--	--	--	--
#1	6918	--	--	--	--	--	--
#2	6951	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLHL8C Operator: KT
Run Time: 10/06/00 03:32:39
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.44573	1.7184	.44493	1.6258	1.7801	1.9327	.04763
SDev	.02019	.0762	.01535	.1191	.0821	.0914	.00289
%RSD	4.5306	4.4326	3.4501	7.3233	4.6104	4.7292	6.0583
#1	.46001	1.7722	.45578	1.7100	1.8381	1.9973	.04967
#2	.43145	1.6645	.43407	L1.5416	1.7221	1.8680	.04559
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	.04812	L.04555	.19958	.49150	.23597	.99602	L.00376
SDev	.00183	.00498	.00942	.02293	.01515	.05340	.00573
%RSD	3.8013	10.936	4.7212	4.6643	6.4202	5.3617	152.65
#1	.04942	L.04203	.20625	.50771	.24668	1.0338	L.00781
#2	.04683	L.04908	.19292	.47529	.22525	.95826	L-.00030
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	.50371	.92768	.48546	.04671	.56037	1.6997	L.00159
SDev	.02278	.03553	.02283	.00258	.08331	.0740	.00003
%RSD	4.5218	3.8299	4.7037	5.5175	14.866	4.3555	1.7440
#1	.51982	.95281	.50160	.04853	.61927	1.7520	L.00157
#2	.48760	.90256	.46931	.04488	.50146	1.6473	L.00161
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	.48495	.48403	.00974	.43723	.46033	.46103	.43809
SDev	.02724	.02330	.00794	.01424	.01758	.01959	.02050
%RSD	5.6169	4.8137	81.472	3.2559	3.8196	4.2484	4.6788
#1	.50421	.50051	.01536	.44730	.47277	.47488	.45258
#2	.46569	.46756	.00413	.42717	.44790	.44718	.42360
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	1.7494	1.7029	L.0082	L.0001	.0772
SDev	.0798	.0744	.0004	.0001	.0166
%RSD	4.5590	4.3678	4.486	141.4	21.49
#1	1.8057	1.7555	L.0085	L.0002	.0889
#2	1.6930	1.6503	L.0080	L.0000	.0654
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	7187	--	--	--	--	--	--
SDev	365.0370	--	--	--	--	--	--
%RSD	5.079270	--	--	--	--	--	--
#1	6929	--	--	--	--	--	--
#2	7445	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLFKJ Operator: KT
Run Time: 10/06/00 03:40:45
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05622	-.00292	-.00351	257.73	.04427	1.8406	.00746
SDev	.00142	.00101	.00220	.37	.00081	.0081	.00014
%RSD	2.5308	34.543	62.606	.14452	1.8254	.43782	1.8603
#1	.05521	-.00221	-.00506	257.99	.04370	1.8349	.00755
#2	.05722	-.00364	-.00196	257.47	.04484	1.8463	.00736
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	.00471	46.042	.28375	.11206	.19242	308.89	74.532
SDev	.00004	.034	.00083	.00086	.00025	.21	.232
%RSD	.79805	.07469	.29249	.77147	.12774	.06804	.31093
#1	.00474	46.017	.28317	.11145	.19225	308.74	74.368
#2	.00469	46.066	.28434	.11267	.19260	309.04	74.696
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	4.8826	.00739	.22366	-.00354	11.174	.01793	13.737
SDev	.0243	.00327	.00249	.00013	.134	.00400	.033
%RSD	.49753	44.240	1.1121	3.5893	1.2030	22.319	.24339
#1	4.8654	.00970	.22190	-.00345	11.269	.01510	13.713
#2	4.8997	.00508	.22542	-.00363	11.079	.02076	13.761
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5.0000	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	.60347	.61604	.00789	-.00558	.00064	.08111	.04379
SDev	.00222	.00332	.00415	.00333	.00007	.00061	.00244
%RSD	.36740	.53866	52.573	59.696	11.436	.75325	5.5676
#1	.60191	.61369	.01082	-.00794	.00069	.08154	.04207
#2	.60504	.61838	.00495	-.00323	.00058	.08067	.04551
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	.00111	-.00494	.0454	.5939	2.265
SDev	.00187	.00058	.0012	.0026	.005
%RSD	168.90	11.722	2.567	.4341	.2372
#1	.00243	-.00453	.0445	.5921	2.261
#2	-.00022	-.00535	.0462	.5957	2.269
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	7188	--	--	--	--	--	--
SDev	18.92236	--	--	--	--	--	--
%RSD	.2632427	--	--	--	--	--	--
#1	7175	--	--	--	--	--	--
#2	7202	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLFKJP Operator: KT
Run Time: 10/06/00 03:48:51
Comment:
Mode: CONC Corr. Factor: 5

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L.04940	L.02141	L.00361	269.15	L.01861	1.9585	.00890
SDev	.00160	.01638	.00500	.08	.00096	.0027	.00062
%RSD	3.2370	76.509	138.59	.02852	5.1691	.13990	6.9500
#1	L.05053	L.00983	L.00007	269.10	L.01793	1.9566	.00934
#2	L.04827	L.03299	L.00715	269.21	L.01929	1.9605	.00846
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-.00284	49.469	.30515	.12093	.19898	335.13	80.929
SDev	.00298	.075	.00097	.00360	.00038	.19	.007
%RSD	105.07	.15169	.31761	2.9724	.19156	.05777	.00806
#1	L-.00073	49.522	.30583	.12347	.19925	335.26	80.934
#2	L-.00495	49.416	.30446	.11839	.19871	334.99	80.924
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	5.3018	L.01518	.24113	L-.00438	12.633	L.02838	14.835
SDev	.0011	.00868	.00601	.00069	.016	.00621	.030
%RSD	.02054	57.167	2.4934	15.808	.12796	21.867	.19892
#1	5.3010	L.02132	.23688	L-.00487	12.645	L.03277	14.856
#2	5.3025	L.00905	.24538	L-.00389	12.622	L.02400	14.814
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	.63909	.66120	L.04451	.00764	-.00446	.06966	.03928
SDev	.00352	.00487	.02133	.00373	.00756	.01444	.00481
%RSD	.55060	.73638	47.930	48.782	169.54	20.732	12.252
#1	.63661	.66464	L.02943	.00500	-.00980	.07987	.03588
#2	.64158	.65775	L.05960	.01027	.00089	.05945	.04268
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	.02427	.01998	L.0517	.6324	2.406
SDev	.00364	.02273	.0001	.0013	.005
%RSD	15.015	113.81	.1353	.1987	.2049
#1	.02169	.00390	L.0518	.6315	2.410
#2	.02685	.03605	L.0517	.6333	2.403
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	6939	--	--	--	--	--	--
SDev	10.35214	--	--	--	--	--	--
%RSD	.1491861	--	--	--	--	--	--
#1	6932	--	--	--	--	--	--
#2	6946	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: DLFKJS Operator: KT
Run Time: 10/06/00 03:56:56
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.47659	1.5929	.10297	263.83	1.6714	3.6645	.05302
SDev	.00042	.0032	.00315	.06	.0024	.0121	.00005
%RSD	.08913	.20239	3.0646	.02143	.14408	.33143	.09712
#1	.47629	1.5906	.10073	263.87	1.6731	3.6731	.05306
#2	.47689	1.5952	.10520	263.79	1.6697	3.6560	.05299
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	.05001	45.022	.46925	.55285	.41906	310.30	74.471
SDev	.00045	.039	.00016	.00036	.00013	.09	.160
%RSD	.89888	.08625	.03420	.06450	.03102	.02949	.21475
#1	.04969	44.995	.46936	.55310	.41915	310.24	74.584
#2	.05033	45.050	.46913	.55260	.41896	310.37	74.358
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	4.7655	.82127	.65379	.04106	11.278	1.6968	13.478
SDev	.0026	.00086	.00117	.00024	.059	.0174	.007
%RSD	.05482	.10442	.17876	.59434	.52285	1.0237	.05438
#1	4.7636	.82188	.65462	.04123	11.320	1.6845	13.483
#2	4.7673	.82067	.65297	.04088	11.236	1.7091	13.472
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	1.0484	1.0599	.01365	.10235	.10419	.51840	.45572
SDev	.0001	.0005	.00401	.00796	.00646	.00196	.00161
%RSD	.01374	.04386	29.372	7.7733	6.2009	.37766	.35424
#1	1.0485	1.0595	.01081	.09673	.10876	.51979	.45458
#2	1.0483	1.0602	.01648	.10798	.09962	.51702	.45686
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	1.6365	1.5711	.0472	.5986	2.377
SDev	.0079	.0088	.0016	.0014	.041
%RSD	.48489	.55979	3.445	.2287	1.720
#1	1.6421	1.5649	.0484	.5996	2.406
#2	1.6309	1.5774	.0461	.5977	2.348
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	7182	--	--	--	--	--	--
SDev	53.40072	--	--	--	--	--	--
%RSD	.7435603	--	--	--	--	--	--
#1	7144	--	--	--	--	--	--
#2	7220	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: DLFKJD Operator: KT
Run Time: 10/06/00 04:05:02
ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.47653	1.5829	.09938	274.10	1.6688	3.4224	.05277
SDev	.00140	.0011	.00221	.13	.0061	.0029	.00001
%RSD	.29376	.06732	2.2278	.04580	.36438	.08480	.01756
#1	.47554	1.5836	.10095	274.19	1.6731	3.4203	.05277
#2	.47752	1.5821	.09782	274.01	1.6645	3.4244	.05278
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	.04921	47.599	.47965	.56059	.42423	322.35	77.501
SDev	.00072	.078	.00139	.00075	.00132	.40	.172
%RSD	1.4589	.16349	.28888	.13417	.31134	.12504	.22234
#1	.04972	47.544	.47867	.56006	.42517	322.07	77.379
#2	.04870	47.654	.48063	.56112	.42330	322.64	77.623
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	4.9664	.81907	.66293	.04089	11.637	1.6913	14.009
SDev	.0147	.00351	.00177	.00041	.086	.0088	.028
%RSD	.29559	.42865	.26760	1.0137	.73598	.52110	.20227
#1	4.9560	.81659	.66167	.04118	11.697	1.6975	13.989
#2	4.9768	.82155	.66418	.04060	11.576	1.6851	14.029
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	1.0703	1.0828	.01592	.09581	.10654	.51639	.45663
SDev	.0026	.0028	.00827	.00247	.00169	.00000	.00210
%RSD	.24141	.25962	51.957	2.5825	1.5890	.00045	.45935
#1	1.0685	1.0808	.02177	.09756	.10774	.51638	.45514
#2	1.0722	1.0848	.01007	.09406	.10535	.51639	.45811
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	1.6174	1.5657	.0490	.5986	2.338
SDev	.0002	.0017	.0012	.0006	.017
%RSD	.01072	.10758	2.424	.1052	.7163
#1	1.6172	1.5668	.0481	.5981	2.350
#2	1.6175	1.5645	.0498	.5990	2.326
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	7191	--	--	--	--	--	--
SDev	14.11382	--	--	--	--	--	--
%RSD	.1962636	--	--	--	--	--	--
#1	7181	--	--	--	--	--	--
#2	7201	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: DLGAH Operator: KT
Run Time: 10/06/00 04:13:08
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.10262	.00150	.00196	117.01	.03626	1.7343	.00335
SDev	.00120	.00308	.00229	1.99	.00458	.0203	.00018
%RSD	1.1695	205.39	116.83	1.7004	12.623	1.1730	5.4412
#1	.10177	.00367	.00034	118.42	.03303	1.7487	.00348
#2	.10347	-.00068	.00358	115.60	.03950	1.7199	.00322
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	.00328	100.32	.15695	.07715	.24333	179.65	52.577
SDev	.00040	1.81	.00165	.00132	.00506	3.34	.585
%RSD	12.315	1.8024	1.0499	1.7081	2.0791	1.8610	1.1118
#1	.00300	101.60	.15811	.07808	.24691	182.01	52.990
#2	.00357	99.041	.15578	.07622	.23975	177.28	52.164
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	6.5886	.01441	.11850	-.00187	5.8263	.00046	10.635
SDev	.0716	.00207	.00146	.00004	.2156	.00389	.199
%RSD	1.0868	14.355	1.2299	2.3075	3.7002	855.06	1.8755
#1	6.6393	.01587	.11953	-.00184	5.9787	-.00230	10.776
#2	6.5380	.01295	.11747	-.00190	5.6739	.00321	10.494
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	.37364	.47234	.01170	.00304	-.00021	.11713	.09537
SDev	.00660	.00532	.00007	.00409	.00131	.00221	.00069
%RSD	1.7649	1.1266	.61839	134.44	638.58	1.8876	.72910
#1	.37830	.47610	.01165	.00015	.00072	.11557	.09488
#2	.36898	.46858	.01175	.00593	-.00113	.11870	.09586
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	.00476	-.00013	.0265	.6263	1.830
sDev	.00194	.00558	.0036	.0075	.032
%RSD	40.758	4252.2	13.46	1.199	1.738
#1	.00339	.00381	.0240	.6316	1.853
#2	.00613	-.00408	.0291	.6210	1.808
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	6864	--	--	--	--	--	--
SDev	121.2830	--	--	--	--	--	--
%RSD	1.766953	--	--	--	--	--	--
#1	6778	--	--	--	--	--	--
#2	6950	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: DLGAN Operator: KT
Run Time: 10/06/00 04:23:18
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03392	.00026	-.00013	93.638	.08960	.81706	.00298
SDev	.00135	.00639	.00154	.213	.00964	.00063	.00014
%RSD	3.9903	2499.9	1188.1	.22702	10.758	.07716	4.5703
#1	.03296	-.00426	.00096	93.788	.08279	.81661	.00308
#2	.03487	.00478	-.00122	93.488	.09642	.81751	.00289
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	.00086	31.149	.14314	.06337	.25118	156.28	40.756
SDev	.00048	.068	.00122	.00038	.00104	.06	.035
%RSD	55.535	.21827	.85221	.59998	.41393	.03696	.08611
#1	.00120	31.101	.14400	.06364	.25192	156.24	40.731
#2	.00052	31.197	.14228	.06310	.25044	156.32	40.781
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	4.1898	.01084	.13597	-.00141	4.5538	.00047	9.2981
SDev	.0106	.00002	.00058	.00021	.1235	.00231	.0209
%RSD	.25417	.16701	.42952	14.804	2.7121	485.73	.22518
#1	4.1823	.01082	.13556	-.00155	4.6411	-.00116	9.3129
#2	4.1973	.01085	.13638	-.00126	4.4664	.00210	9.2833
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	.33534	.44026	.00996	-.00169	.00300	.04577	.02800
SDev	.00005	.00064	.01272	.00076	.00310	.00283	.00061
%RSD	.01592	.14572	127.67	44.898	103.27	6.1929	2.1927
#1	.33530	.43980	.00097	-.00115	.00519	.04376	.02756
#2	.33538	.44071	.01895	-.00223	.00081	.04777	.02843
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	.00112	-.00018	.0168	.3251	1.548
sDev	.00050	.00983	.0012	.0004	.004
%RSD	44.235	5548.4	7.372	.1376	.2262
#1	.00147	-.00713	.0160	.3248	1.545
#2	.00077	.00677	.0177	.3255	1.550
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	6970	--	--	--	--	--	--
SDev	35.01594	--	--	--	--	--	--
%RSD	.5023491	--	--	--	--	--	--
#1	6946	--	--	--	--	--	--
#2	6995	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLGD4 Operator: KT
Run Time: 10/06/00 04:31:24
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03442	.00418	.00186	94.010	.06999	.45585	.00385
SDev	.00162	.00065	.00148	.043	.00511	.00038	.00015
%RSD	4.7224	15.586	79.439	.04551	7.2952	.08296	3.9203
#1	.03327	.00372	.00082	94.041	.06638	.45612	.00396
#2	.03557	.00465	.00291	93.980	.07360	.45558	.00374
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	.00179	29.736	.24004	.05891	.18973	162.67	37.339
SDev	.00032	.024	.00093	.00056	.00143	.02	.030
%RSD	17.748	.08237	.38938	.95897	.75385	.01465	.08119
#1	.00157	29.719	.23938	.05931	.19074	162.66	37.360
#2	.00202	29.753	.24070	.05851	.18872	162.69	37.317
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	2.0366	.00659	.10924	-.00105	7.5911	-.00241	7.0607
SDev	.0049	.00006	.00175	.00001	.1196	.00912	.0066
%RSD	.24274	.84625	1.5984	.49162	1.5749	378.52	.09319
#1	2.0331	.00655	.10800	-.00105	7.6757	-.00886	7.0560
#2	2.0401	.00662	.11047	-.00105	7.5066	.00404	7.0653
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	.31546	.30637	.01354	.00095	.00370	.04821	.02753
SDev	.00120	.00018	.00005	.00151	.00143	.00122	.00183
%RSD	.38013	.06043	.33780	159.24	38.583	2.5221	6.6459
#1	.31462	.30650	.01357	-.00012	.00269	.04735	.02624
#2	.31631	.30623	.01351	.00201	.00471	.04907	.02883
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	.00440	.00408	.0384	.3491	1.957
SDev	.00228	.00016	.0003	.0001	.002
%RSD	51.693	3.8886	.7087	.0355	.1079
#1	.00279	.00419	.0386	.3492	1.959
#2	.00601	.00396	.0382	.3490	1.956
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	6958	--	--	--	--	--	--
SDev	50.57229	--	--	--	--	--	--
%RSD	.7268515	--	--	--	--	--	--
#1	6922	--	--	--	--	--	--
#2	6993	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLGD9 Operator: KT
Run Time: 10/06/00 04:39:30
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05903	-.00244	-.00183	241.43	.02853	.87778	.00671
SDev	.00094	.00101	.00538	.27	.00068	.00047	.00015
%RSD	1.5926	41.461	294.24	.11066	2.3736	.05293	2.2402
#1	.05837	-.00173	-.00563	241.62	.02805	.87745	.00682
#2	.05970	-.00316	.00198	241.24	.02901	.87810	.00661
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	.00434	29.721	.31465	.07659	.19867	258.31	68.616
SDev	.00030	.039	.00043	.00025	.00083	.11	.027
%RSD	6.9598	.13022	.13616	.32176	.41786	.04103	.03931
#1	.00456	29.694	.31435	.07642	.19925	258.24	68.597
#2	.00413	29.749	.31495	.07677	.19808	258.39	68.635
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	3.0055	.00761	.19075	-.00221	25.335	.00811	15.086
SDev	.0068	.00514	.00113	.00020	.103	.00487	.010
%RSD	.22530	67.519	.59163	9.0386	.40816	60.139	.06753
#1	3.0007	.01124	.18995	-.00207	25.409	.01155	15.094
#2	3.0103	.00398	.19155	-.00235	25.262	.00466	15.079
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	.39919	.76035	.01239	-.00235	-.00078	.08219	.04747
SDev	.00052	.00121	.00859	.00643	.00329	.00392	.00337
%RSD	.13008	.15956	69.329	273.16	421.58	4.7759	7.0970
#1	.39882	.75949	.01846	-.00690	-.00311	.08497	.04509
#2	.39956	.76121	.00631	.00219	.00155	.07941	.04986
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	-.00070	-.00331	.1930	.4123	2.280
SDev	.00800	.00248	.0008	.0005	.008
%RSD	1141.0	74.796	.4107	.1223	.3377
#1	.00496	-.00506	.1935	.4119	2.286
#2	-.00636	-.00156	.1924	.4126	2.275
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	6920	--	--	--	--	--	--
SDev	28.56705	--	--	--	--	--	--
%RSD	.4128066	--	--	--	--	--	--
#1	6900	--	--	--	--	--	--
#2	6940	--	--	--	--	--	--

Method: QTESTNAK Sample Name: CCVT Operator: KT
Run Time: 10/06/00 04:47:36
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49875	.49403	.49309	24.165	.48727	1.9957	2.0724
SDev	.00186	.00193	.00261	.094	.00229	.0012	.0014
%RSD	.37314	.39126	.52849	.38953	.47006	.06150	.06661
#1	.50007	.49266	.49493	24.232	.48565	1.9948	2.0733
#2	.49743	.49539	.49125	24.098	.48889	1.9965	2.0714
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	.50599	103.63	2.0655	2.0259	1.9370	25.689	100.37
SDev	.00102	.14	.0015	.0021	.0050	.029	.03
%RSD	.20098	.13095	.07421	.10352	.25908	.11261	.02662
#1	.50527	103.73	2.0644	2.0274	1.9406	25.709	100.35
#2	.50671	103.54	2.0666	2.0244	1.9335	25.669	100.39
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	2.0473	2.0004	2.0308	.99446	49.327	.97004	2.0547
SDev	.0004	.0274	.0010	.00239	.227	.00875	.0023
%RSD	.01773	1.3676	.04843	.23997	.46067	.90235	.11305
#1	2.0470	1.9810	2.0301	.99614	49.488	.96386	2.0563
#2	2.0475	2.0197	2.0315	.99277	49.166	.97623	2.0530
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	2.0443	2.0537	1.9423	.48644	.50642	.51300	.49164
SDev	.0017	.0027	.0047	.00197	.00388	.00194	.00182
%RSD	.08416	.13127	.24144	.40507	.76594	.37916	.37000
#1	2.0456	2.0557	1.9456	.48783	.50916	.51437	.49292
#2	2.0431	2.0518	1.9390	.48504	.50368	.51162	.49035
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
ge	.51105	.48553	1.981	2.039	2.006
SDev	.00536	.00558	.008	.001	.002
%RSD	1.0499	1.1486	.3795	.0436	.1127
#1	.51485	.48158	1.976	2.039	2.005
#2	.50726	.48947	1.987	2.040	2.008
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	6719	--	--	--	--	--	--
SDev	16.34839	--	--	--	--	--	--
%RSD	.2433028	--	--	--	--	--	--
#1	6708	--	--	--	--	--	--
#2	6731	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: CCBT' Operator: KT
Run Time: 10/06/00 04:55:41
ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00192	-.00051	.00131	-.08643	.00406	-.00001	.00017
SDev	.00140	.00475	.00104	.01075	.00490	.00000	.00012
%RSD	73.231	924.74	79.207	12.434	120.54	9.6298	71.817
#1	-.00291	-.00387	.00205	-.07883	.00753	-.00001	.00025
#2	-.00092	.00284	.00058	-.09403	.00060	-.00001	.00008
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	-.00040	.01966	-.00005	.00050	.00084	-.00419	-.00013
SDev	.00002	.00036	.00010	.00069	.00003	.00604	.00552
%RSD	5.5218	1.8239	203.35	136.97	3.2806	144.20	4132.0
#1	-.00042	.01992	.00002	.00002	.00086	.00008	.00377
#2	-.00039	.01941	-.00012	.00099	.00082	-.00846	-.00404
Errors	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	-.00001	.00241	.00044	-.00015	.28506	-.00408	.00109
SDev	.00000	.00001	.00000	.00021	.10228	.00069	.00000
%RSD	9.6298	.42505	.39969	139.20	35.880	16.800	.19018
#1	-.00001	.00242	.00044	-.00029	.21274	-.00457	.00109
#2	-.00001	.00240	.00044	-.00000	.35739	-.00360	.00109
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	-.00001	-.00060	-.00573	.00221	-.00049	-.00199	-.00188
SDev	.00045	.00075	.00423	.00013	.00338	.00031	.00195
%RSD	7057.7	124.91	73.840	5.7338	693.78	15.414	103.70
#1	-.00032	-.00114	-.00274	.00212	.00190	-.00220	-.00326
#2	.00031	-.00007	-.00872	.00230	-.00288	-.00177	-.00050
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
ge	.00651	-.00402	.0019	.0000	.0012
SDev	.00823	.00301	.0013	.0000	.0003
%RSD	126.40	74.890	69.95	.0000	21.78
#1	.00069	-.00615	.0010	.0000	.0010
#2	.01233	-.00189	.0028	.0000	.0014
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	6920	--	--	--	--	--	--
SDev	13.54828	--	--	--	--	--	--
%RSD	.1957713	--	--	--	--	--	--
#1	6911	--	--	--	--	--	--
#2	6930	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLGDE Operator: KT
Run Time: 10/06/00 05:01:39
ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04620	.00629	.00219	71.662	.02802	.44819	.00207
SDev	.00077	.00229	.00432	.102	.00032	.00052	.00013
%RSD	1.6597	36.422	197.47	.14303	1.1555	.11543	6.0492
#1	.04674	.00467	.00525	71.590	.02779	.44782	.00216
#2	.04566	.00791	-.00087	71.734	.02825	.44855	.00199
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	.00586	28.606	.18782	.05092	.13799	105.81	35.231
SDev	.00015	.004	.00026	.00082	.00042	.11	.011
%RSD	2.5762	.01336	.14019	1.6182	.30488	.10372	.03200
#1	.00575	28.609	.18801	.05150	.13769	105.89	35.223
#2	.00597	28.603	.18763	.05034	.13829	105.74	35.239
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	1.8706	.00940	.13272	-.00108	7.4875	.00004	6.3481
SDev	.0024	.00174	.00032	.00007	.0775	.00660	.0070
%RSD	.12956	18.548	.23840	6.5560	1.0351	14814.	.10963
#1	1.8723	.01064	.13294	-.00113	7.4327	.00472	6.3530
#2	1.8689	.00817	.13250	-.00103	7.5423	-.00463	6.3432
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	.18729	.77757	.00657	.00454	-.00251	.05497	.04182
SDev	.00001	.00263	.00424	.00556	.00185	.00388	.00309
%RSD	.00532	.33806	64.559	122.46	73.661	7.0538	7.3774
#1	.18730	.77943	.00957	.00847	-.00120	.05223	.04401
#2	.18728	.77571	.00357	.00061	-.00382	.05771	.03964
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	.00597	.00645	.0216	.2710	1.350
sDev	.01295	.00303	.0001	.0001	.004
%RSD	217.00	46.989	.2270	.0460	.3188
#1	-.00319	.00859	.0216	.2709	1.347
#2	.01512	.00431	.0215	.2711	1.353
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	6953	--	--	--	--	--	--
SDev	16.51792	--	--	--	--	--	--
%RSD	.2375763	--	--	--	--	--	--
#1	6941	--	--	--	--	--	--
#2	6964	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: DLGPR Operator: KT
Run Time: 10/06/00 05:09:46
ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05845	.00059	.00127	196.30	.06156	1.7065	.00602
SDev	.00023	.00264	.00154	.04	.00186	.0052	.00004
%RSD	.38851	446.08	121.23	.02080	3.0195	.30658	.60581
#1	.05861	.00246	.00237	196.33	.06025	1.7028	.00605
#2	.05829	-.00127	.00018	196.27	.06287	1.7102	.00599
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	.00430	35.476	.27318	.14634	.21470	259.28	66.834
SDev	.00108	.086	.00095	.00035	.00009	.82	.186
%RSD	24.973	.24230	.34645	.23824	.04296	.31793	.27859
#1	.00354	35.415	.27251	.14609	.21476	258.69	66.703
#2	.00506	35.537	.27385	.14659	.21463	259.86	66.966
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	4.1935	.00652	.20656	-.00251	28.302	.00107	13.156
SDev	.0213	.00330	.00082	.00001	.050	.00226	.033
%RSD	.50866	50.563	.39508	.34662	.17828	211.23	.25007
#1	4.1784	.00885	.20598	-.00252	28.338	.00267	13.133
#2	4.2085	.00419	.20714	-.00251	28.267	-.00053	13.179
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	.51646	.54094	.01056	.00021	.00340	.07890	.04823
SDev	.00294	.00131	.01271	.00118	.00228	.00281	.00106
%RSD	.56958	.24189	120.34	557.43	66.838	3.5617	2.2029
#1	.51438	.54001	.00157	.00105	.00501	.08089	.04748
#2	.51854	.54186	.01954	-.00062	.00179	.07691	.04899
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	.00311	-.00067	.1287	.4229	1.787
sDev	.00253	.00269	.0007	.0013	.008
%RSD	81.206	402.45	.5262	.3027	.4465
#1	.00490	.00123	.1292	.4220	1.793
#2	.00133	-.00257	.1282	.4238	1.782
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	6936	--	--	--	--	--	--
SDev	36.76955	--	--	--	--	--	--
%RSD	.5301384	--	--	--	--	--	--
#1	6910	--	--	--	--	--	--
#2	6962	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLGPV Operator: KT
Run Time: 10/06/00 05:17:52
ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.08752	-.00436	.00100	197.92	.08813	1.2955	.00715
SDev	.00054	.00189	.00051	.51	.00873	.0028	.00016
%RSD	.61879	43.271	50.585	.25634	9.9012	.21951	2.2571
#1	.08713	L-.00569	.00136	198.28	.09430	1.2975	.00727
#2	.08790	-.00302	.00064	197.56	.08196	1.2935	.00704
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	.00486	53.911	.31339	.13568	1.0249	303.64	86.637
SDev	.00045	.093	.00065	.00045	.0033	.21	.005
%RSD	9.2276	.17309	.20615	.33441	.31721	.06779	.00558
#1	.00454	53.845	.31385	.13536	1.0272	303.78	86.633
#2	.00518	53.977	.31294	.13600	1.0226	303.49	86.640
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	4.3377	.00884	.27821	-.00233	9.9610	.00631	15.663
SDev	.0064	.00675	.00157	.00046	.2133	.01211	.033
%RSD	.14667	76.346	.56450	19.921	2.1417	191.82	.21160
#1	4.3332	.01361	.27710	-.00200	10.112	-.00225	15.686
#2	4.3422	.00407	.27932	-.00266	9.8102	.01488	15.640
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	.55755	.96730	.01151	.00074	.00153	.11119	.07570
SDev	.00059	.00172	.01684	.00261	.00675	.00024	.00093
%RSD	.10547	.17824	146.38	355.12	442.66	.21951	1.2335
#1	.55796	.96609	.02342	-.00111	.00630	.11136	.07504
#2	.55713	.96852	-.00040	.00258	-.00325	.11101	.07636
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	-.00391	-.00458	.0380	.7361	1.806
SDev	.01047	.00805	.0028	.0001	.000
%RSD	267.82	175.84	7.441	.0191	.0195
#1	.00349	-.01028	.0400	.7362	1.807
#2	-.01131	.00111	.0360	.7360	1.806
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	7038	--	--	--	--	--	--
SDev	39.71123	--	--	--	--	--	--
%RSD	.5642082	--	--	--	--	--	--
#1	7010	--	--	--	--	--	--
#2	7066	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLGQG Operator: KT
Run Time: 10/06/00 05:25:58
ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03555	.00232	.00160	155.15	.01839	.58773	.00442
SDev	.00048	.00115	.00044	.13	.00142	.00081	.00015
%RSD	1.3535	49.581	27.523	.08619	7.6961	.13764	3.5115
#1	.03521	.00151	.00129	155.25	.01739	.58830	.00453
#2	.03589	.00313	.00191	155.06	.01939	.58716	.00431
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	.00275	17.667	.20804	.05543	.14879	175.68	47.952
SDev	.00025	.021	.00034	.00010	.00012	.05	.027
%RSD	9.0692	.12072	.16162	.18716	.07967	.02992	.05530
#1	.00293	17.682	.20780	.05536	.14871	175.71	47.971
#2	.00258	17.652	.20828	.05551	.14888	175.64	47.933
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	2.0405	.00911	.11626	-.00107	13.944	.00071	9.2370
SDev	.0033	.00169	.00152	.00061	.004	.00213	.0008
%RSD	.16108	18.567	1.3049	56.998	.03154	300.35	.00851
#1	2.0381	.01031	.11733	-.00064	13.947	-.00080	9.2365
#2	2.0428	.00792	.11519	-.00151	13.941	.00221	9.2376
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	.24850	.48051	.00864	.00104	.00272	.05318	.02674
SDev	.00063	.00005	.01279	.00041	.00051	.00322	.00233
%RSD	.25193	.01129	148.00	39.092	18.626	6.0492	8.7044
#1	.24894	.48055	.01769	.00076	.00236	.05546	.02509
#2	.24805	.48047	-.00040	.00133	.00308	.05091	.02839
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	.00248	.00224	.1623	.3385	1.680
sDev	.00774	.00214	.0012	.0001	.005
%RSD	312.42	95.431	.7493	.0392	.3249
#1	-.00300	.00375	.1632	.3386	1.684
#2	.00795	.00073	.1615	.3384	1.676
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	6942	--	--	--	--	--	--
SDev	52.32590	--	--	--	--	--	--
%RSD	.7537670	--	--	--	--	--	--
#1	6905	--	--	--	--	--	--
#2	6979	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLGQJ Operator: KT
Run Time: 10/06/00 05:34:04
nment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04492	.00278	.00328	251.83	.02490	.88216	.00744
SDev	.00166	.00293	.00353	.14	.00288	.00174	.00007
%RSD	3.7003	105.27	107.62	.05733	11.550	.19700	.89093
#1	.04610	.00486	.00078	251.93	.02693	.88339	.00749
#2	.04375	.00071	.00578	251.73	.02286	.88093	.00739
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	.00471	22.450	.29958	.09823	.19198	279.73	71.527
SDev	.00038	.036	.00149	.00038	.00086	.00	.081
%RSD	7.9852	.16129	.49794	.38654	.44633	.00005	.11347
#1	.00497	22.424	.30063	.09850	.19259	279.73	71.584
#2	.00444	22.476	.29852	.09797	.19138	279.73	71.469
rrors	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	3.5885	.00744	.18535	-.00194	27.099	.01249	12.800
SDev	.0005	.00157	.00155	.00026	.033	.00794	.007
%RSD	.01302	21.132	.83800	13.424	.12182	63.559	.05225
#1	3.5882	.00856	.18645	-.00176	27.122	.01810	12.804
#2	3.5888	.00633	.18425	-.00213	27.075	.00688	12.795
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	.37342	.64819	.01230	.00321	.00342	.07195	.03143
SDev	.00163	.00053	.00010	.00354	.00351	.00518	.00009
%RSD	.43775	.08195	.78059	110.23	102.70	7.1981	.29713
#1	.37226	.64856	.01236	.00071	.00094	.07561	.03136
#2	.37457	.64781	.01223	.00572	.00591	.06829	.03150
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
vge	.00063	.00386	.2925	.3835	1.853
sDev	.01048	.00084	.0024	.0008	.004
%RSD	1676.1	21.673	.8332	.2076	.1939
#1	.00803	.00327	.2942	.3840	1.855
#2	-.00678	.00445	.2908	.3829	1.850
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	6970	--	--	--	--	--	--
SDev	58.26553	--	--	--	--	--	--
%RSD	.8359138	--	--	--	--	--	--
#1	6929	--	--	--	--	--	--
#2	7011	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLH33 Operator: KT
Run Time: 10/06/00 05:42:10
ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06600	.00119	-.00182	202.73	.03258	1.2112	.00583
SDev	.00060	.00393	.00165	.21	.00645	.0024	.00004
%RSD	.90288	329.69	90.508	.10418	19.781	.20164	.66427
#1	.06643	.00397	-.00298	202.88	.02802	1.2129	.00586
#2	.06558	-.00159	-.00066	202.58	.03714	1.2095	.00580
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	.00319	28.463	.21731	.09472	.16849	217.53	44.410
SDev	.00042	.028	.00120	.00084	.00057	.10	.041
%RSD	13.251	.09972	.55383	.88365	.34038	.04391	.09232
#1	.00349	28.443	.21816	.09531	.16890	217.46	44.439
#2	.00289	28.483	.21646	.09413	.16809	217.60	44.381
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	4.7228	.00734	.12937	-.00248	6.2020	.00159	13.625
SDev	.0049	.00335	.00018	.00019	.0169	.00384	.018
%RSD	.10358	45.585	.14180	7.7143	.27209	241.22	.12873
#1	4.7193	.00971	.12950	-.00235	6.2139	-.00112	13.612
#2	4.7263	.00497	.12924	-.00262	6.1901	.00431	13.637
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	.44942	.47753	.01132	-.00362	.00179	.08651	.05577
SDev	.00073	.00052	.00415	.00177	.00140	.00121	.00029
%RSD	.16254	.10788	36.695	48.833	78.605	1.3941	.52242
#1	.44994	.47717	.00838	-.00487	.00079	.08736	.05597
#2	.44890	.47789	.01426	-.00237	.00278	.08566	.05556
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	.00305	.00027	.0437	.3389	2.186
SDev	.00179	.00500	.0024	.0004	.012
%RSD	58.662	1884.1	5.401	.1133	.5681
#1	.00432	.00380	.0420	.3391	2.194
#2	.00179	-.00327	.0454	.3386	2.177
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	7012	--	--	--	--	--	--
SDev	43.98183	--	--	--	--	--	--
%RSD	.6272814	--	--	--	--	--	--
#1	6980	--	--	--	--	--	--
#2	7043	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLH39 Operator: KT
Run Time: 10/06/00 05:50:16
mment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04227	.00637	.00228	137.30	.02624	1.5463	.00458
SDev	.00093	.00080	.00376	.05	.00394	.0042	.00014
%RSD	2.1965	12.636	165.40	.03892	15.004	.27304	3.0611
#1	.04293	.00693	.00494	137.27	.02346	1.5493	.00468
#2	.04161	.00580	-.00039	137.34	.02902	1.5434	.00448
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	.00239	22.534	.17333	.09112	.14676	167.04	31.277
SDev	.00022	.013	.00027	.00053	.00047	.01	.071
%RSD	9.1843	.05579	.15836	.57961	.32394	.00632	.22691
#1	.00254	22.543	.17352	.09149	.14709	167.05	31.327
#2	.00223	22.526	.17314	.09074	.14642	167.03	31.227
rrors	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	5.2012	.00596	.10991	-.00215	4.5236	.00504	11.076
SDev	.0005	.00166	.00052	.00019	.0789	.00271	.011
%RSD	.00991	27.826	.47581	9.0149	1.7431	53.791	.10273
#1	5.2015	.00714	.11028	-.00202	4.5793	.00312	11.084
#2	5.2008	.00479	.10954	-.00229	4.4678	.00696	11.068
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	.35493	.33196	.01433	.00298	.00086	.06076	.03304
SDev	.00130	.00052	.00413	.00517	.00096	.00167	.00056
%RSD	.36656	.15566	28.831	173.29	110.90	2.7537	1.6850
#1	.35585	.33159	.01141	.00663	.00154	.06194	.03344
#2	.35401	.33232	.01726	-.00067	.00019	.05957	.03265
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
vge	.00647	.00631	.0276	.2968	2.374
sDev	.00383	.00071	.0012	.0005	.034
%RSD	59.299	11.225	4.250	.1834	1.418
#1	.00918	.00581	.0268	.2972	2.398
#2	.00376	.00682	.0284	.2964	2.351
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	7086	--	--	--	--	--	--
SDev	33.57342	--	--	--	--	--	--
%RSD	.4738140	--	--	--	--	--	--
#1	7062	--	--	--	--	--	--
#2	7110	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLH3D Operator: KT
Run Time: 10/06/00 05:58:22
mment:
ode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06079	-.00197	.00070	272.07	.04200	1.3415	.00737
SDev	.00070	.00474	.00266	.36	.00206	.0008	.00006
%RSD	1.1464	240.31	380.99	.13215	4.8988	.05797	.78492
#1	.06128	L-.00533	-.00118	272.33	.04055	1.3410	.00741
#2	.06030	.00138	.00258	271.82	.04346	1.3421	.00733
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	.00554	41.922	.30385	.12366	.21240	311.99	73.584
SDev	.00006	.078	.00053	.00051	.00001	.20	.030
%RSD	1.1094	.18527	.17407	.41479	.00668	.06542	.04115
#1	.00558	41.867	.30347	.12403	.21241	311.85	73.563
#2	.00550	41.977	.30422	.12330	.21239	312.13	73.605
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	4.9792	.00964	.18925	-.00298	10.065	.00472	15.797
SDev	.0134	.00326	.00012	.00032	.118	.01218	.007
%RSD	.26952	33.864	.06216	10.827	1.1703	258.31	.04394
#1	4.9697	.01195	.18933	-.00275	10.148	-.00390	15.792
#2	4.9887	.00733	.18916	-.00321	9.9817	.01333	15.802
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	.62720	.63052	.01011	.00012	.00185	.08720	.04760
SDev	.00059	.00099	.00009	.00602	.00407	.00588	.00189
%RSD	.09344	.15718	.87554	4916.4	220.42	6.7495	3.9776
#1	.62678	.62982	.01017	-.00413	.00473	.09136	.04626
#2	.62761	.63122	.01005	.00438	-.00103	.08304	.04894
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
vge	-.00057	-.00268	.0473	.4830	2.154
sDev	.00633	.00396	.0030	.0004	.018
%RSD	1116.4	147.75	6.252	.0840	.8145
#1	-.00504	-.00547	.0494	.4827	2.167
#2	.00391	.00012	.0452	.4833	2.142
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	7025	--	--	--	--	--	--
SDev	50.99662	--	--	--	--	--	--
%RSD	.7259575	--	--	--	--	--	--
#1	6989	--	--	--	--	--	--
#2	7061	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLH3E Operator: KT
Run Time: 10/06/00 06:06:28
nment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05028	.00513	-.00070	194.88	.03508	1.0550	.00588
SDev	.00017	.00494	.00104	.12	.00028	.0002	.00015
%RSD	.33139	96.328	148.95	.06389	.78906	.01437	2.5628
#1	.05039	.00862	-.00143	194.79	.03527	1.0548	.00599
#2	.05016	.00164	.00004	194.97	.03488	1.0551	.00577
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	.00208	22.613	.22076	.09552	.14960	208.27	38.245
SDev	.00071	.058	.00088	.00000	.00104	.38	.036
%RSD	33.954	.25594	.39764	.00445	.69294	.18024	.09440
#1	.00258	22.572	.22138	.09551	.15033	208.00	38.220
#2	.00158	22.654	.22014	.09552	.14886	208.53	38.271
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	4.5624	.01009	.12676	-.00232	4.5575	.00699	12.326
SDev	.0160	.00162	.00003	.00014	.1000	.00204	.012
%RSD	.34979	16.086	.02072	6.1437	2.1946	29.164	.09859
#1	4.5512	.01124	.12678	-.00242	4.6282	.00555	12.318
#2	4.5737	.00894	.12674	-.00222	4.4868	.00843	12.335
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	.43867	.40164	.00909	-.00076	-.00058	.07155	.03965
SDev	.00029	.00142	.00005	.00369	.00428	.00107	.00028
%RSD	.06538	.35381	.50504	488.54	744.35	1.4949	.71667
#1	.43847	.40063	.00912	-.00337	.00245	.07230	.03945
#2	.43887	.40264	.00905	.00186	-.00360	.07079	.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
vge	.00747	.00396	.0323	.2753	2.171
sDev	.01585	.00051	.0002	.0003	.002
%RSD	212.14	12.797	.4982	.1151	.1127
#1	.01868	.00360	.0325	.2751	2.173
#2	-.00374	.00432	.0322	.2756	2.169
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	7057	--	--	--	--	--	--
SDev	36.23232	--	--	--	--	--	--
%RSD	.5134049	--	--	--	--	--	--
#1	7032	--	--	--	--	--	--
#2	7083	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: DLH3J Operator: KT
Run Time: 10/06/00 06:14:34
nment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.14699	-.00078	-.00277	208.70	.02722	1.1957	.00594
SDev	.00220	.00225	.00014	.54	.00455	.0003	.00005
%RSD	1.4991	290.22	5.1373	.25908	16.699	.02220	.79516
#1	.14544	-.00237	-.00267	209.08	.02400	1.1958	.00597
#2	.14855	.00082	-.00287	208.31	.03043	1.1955	.00591
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	.00357	34.174	.22713	.09474	.21211	232.86	50.407
SDev	.00002	.029	.00093	.00029	.00061	.05	.049
%RSD	.46985	.08487	.41082	.30649	.28629	.02236	.09816
#1	.00356	34.154	.22647	.09495	.21254	232.90	50.442
#2	.00358	34.195	.22779	.09454	.21169	232.83	50.372
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	4.2150	.01017	.13915	-.00218	8.1820	.00326	13.395
SDev	.0097	.00163	.00209	.00026	.1151	.00100	.008
%RSD	.23024	16.015	1.5013	11.833	1.4064	30.624	.06013
#1	4.2082	.01132	.13767	-.00200	8.2634	.00397	13.389
#2	4.2219	.00902	.14062	-.00236	8.1006	.00256	13.401
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	.47101	.48073	.01085	-.00352	-.00127	.17311	.13396
SDev	.00058	.00132	.00413	.00133	.00310	.00384	.00138
%RSD	.12336	.27517	38.064	37.899	243.53	2.2208	1.0335
#1	.47142	.47980	.00793	-.00447	.00092	.17039	.13298
#2	.47060	.48167	.01377	-.00258	-.00347	.17583	.13494
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	.00116	-.00174	.0406	.3940	2.078
SDev	.00639	.00657	.0010	.0001	.000
%RSD	551.18	376.96	2.481	.0349	.0031
#1	.00568	-.00639	.0399	.3941	2.078
#2	-.00336	.00290	.0414	.3939	2.078
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	7058	--	--	--	--	--	--
SDev	52.83517	--	--	--	--	--	--
%RSD	.7485814	--	--	--	--	--	--
#1	7021	--	--	--	--	--	--
#2	7095	--	--	--	--	--	--

Method: QTESTNAK Sample Name: CCVT Operator: KT
Run Time: 10/06/00 06:24:44
mment:
ode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49743	.49406	.49149	24.053	.49122	1.9861	2.0679
SDev	.00032	.00343	.00449	.134	.01024	.0009	.0001
%RSD	.06431	.69364	.91253	.55751	2.0852	.04688	.00708
#1	.49765	.49648	.48832	24.148	.49846	1.9854	2.0678
#2	.49720	.49164	.49467	23.958	.48398	1.9867	2.0680
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	.50531	103.57	2.0607	2.0235	1.9283	25.594	99.929
SDev	.00261	.25	.0027	.0010	.0059	.033	.051
%RSD	.51647	.23983	.12889	.04942	.30812	.12886	.05111
#1	.50715	103.74	2.0626	2.0243	1.9325	25.617	99.965
#2	.50346	103.39	2.0588	2.0228	1.9241	25.571	99.892
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	2.0415	1.9930	2.0226	.99240	49.194	.96474	2.0449
SDev	.0004	.0241	.0058	.00105	.212	.00587	.0042
%RSD	.01903	1.2103	.28839	.10601	.43168	.60863	.20520
#1	2.0418	1.9760	2.0267	.99315	49.344	.96889	2.0419
#2	2.0412	2.0101	2.0185	.99166	49.044	.96058	2.0478
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	2.0378	2.0494	1.9780	.48478	.50493	.51534	.48849
SDev	.0001	.0030	.0000	.00562	.00221	.00484	.00194
%RSD	.00353	.14750	.00009	1.1594	.43779	.93905	.39640
#1	2.0377	2.0515	1.9780	.48081	.50337	.51876	.48712
#2	2.0378	2.0472	1.9780	.48876	.50650	.51191	.48986
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
vge	.51287	.48467	1.970	2.031	1.992
sDev	.00387	.00321	.004	.000	.001
%RSD	.75390	.66180	.1933	.0026	.0411
#1	.51561	.48693	1.967	2.031	1.992
#2	.51014	.48240	1.972	2.031	1.993
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	6736	--	--	--	--	--	--
SDev	15.04708	--	--	--	--	--	--
%RSD	.2233950	--	--	--	--	--	--
#1	6725	--	--	--	--	--	--
#2	6746	--	--	--	--	--	--

Analysis Report QC Standard 10/06/00 06:38:44 AM page 1

Method: QTESTNAK Sample Name: CCBT' Operator: KT
Run Time: 10/06/00 06:32:50
mment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00120	.00148	.00035	-.10971	.00034	-.00002	-.00009
SDev	.00073	.00421	.00090	.00103	.00045	.00000	.00000
%RSD	60.428	284.77	256.62	.94150	129.99	2.0288	.34142
#1	-.00172	.00446	-.00028	-.10898	.00066	-.00002	-.00009
#2	-.00069	-.00150	.00098	-.11044	.00003	-.00002	-.00009
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	-.00037	.01131	-.00043	.00053	.00020	-.00180	-.00056
SDev	.00027	.00024	.00028	.00066	.00002	.01424	.00176
%RSD	73.256	2.1683	64.301	125.01	8.8759	792.61	317.31
#1	-.00018	.01114	-.00023	.00099	.00019	.00827	-.00180
#2	-.00057	.01148	-.00062	.00006	.00022	-.01186	.00069
'rrors	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	-.00002	.00218	-.00089	-.00005	.34555	.00175	.00114
SDev	.00000	.00001	.00061	.00007	.00855	.00171	.00000
%RSD	2.0288	.23505	68.384	124.43	2.4736	97.413	.11777
#1	-.00002	.00218	-.00046	-.00010	.35159	.00296	.00114
#2	-.00002	.00219	-.00132	-.00001	.33950	.00055	.00114
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	-.00002	-.00021	.00100	.00188	-.00271	-.00061	-.00150
SDev	.00043	.00001	.00406	.00178	.00088	.00201	.00009
%RSD	2045.8	4.6090	405.98	94.939	32.318	330.11	5.8156
#1	.00028	-.00022	-.00187	.00062	-.00209	-.00203	-.00156
#2	-.00032	-.00020	.00387	.00314	-.00333	.00081	-.00144
ırrors	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	.00102	.00171	.0028	.0000	<.0000
sDev	.00979	.00143	.0000	.0000	.0002
%RSD	957.84	83.609	.0913	.0000	2.895
#1	.00795	.00272	.0028	.0000	<.0000
#2	-.00590	.00070	.0028	.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	7251	--	--	--	--	--	--
SDev	10.15396	--	--	--	--	--	--
%RSD	.1400403	--	--	--	--	--	--
#1	7258	--	--	--	--	--	--
#2	7244	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLH3L Operator: KT
Run Time: 10/06/00 06:38:48
(ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05977	.00340	-.00131	273.37	.03349	1.1960	.00775
SDev	.00048	.00304	.00106	.06	.00089	.0021	.00017
%RSD	.80106	89.502	80.510	.02063	2.6724	.17625	2.1517
#1	.05943	.00125	-.00206	273.33	.03286	1.1974	.00787
#2	.06011	.00555	-.00057	273.41	.03412	1.1945	.00764
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	.00325	24.136	.27122	.13592	.29339	272.03	45.930
SDev	.00047	.006	.00111	.00041	.00066	.07	.017
%RSD	14.363	.02437	.40891	.30299	.22649	.02609	.03785
#1	.00358	24.132	.27201	.13563	.29386	271.98	45.943
#2	.00292	24.140	.27044	.13621	.29292	272.08	45.918
rrors	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	5.3689	.01519	.14439	-.00288	6.5187	.00803	13.226
SDev	.0028	.00340	.00083	.00033	.0907	.00203	.001
%RSD	.05214	22.362	.57491	11.462	1.3910	25.321	.00821
#1	5.3669	.01759	.14498	-.00264	6.5828	.00946	13.227
#2	5.3708	.01279	.14380	-.00311	6.4546	.00659	13.226
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	.56113	.50047	.01803	-.00105	-.00185	.08678	.04628
SDev	.00064	.00140	.01690	.00300	.00283	.00141	.00142
%RSD	.11466	.27887	93.727	286.95	153.08	1.6216	3.0688
#1	.56159	.49948	.00608	-.00317	.00015	.08777	.04528
#2	.56068	.50146	.02998	.00108	-.00386	.08578	.04729
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
vge	.01288	-.00134	.0487	.3116	2.279
sDev	.00526	.00718	.0010	.0001	.004
%RSD	40.814	535.90	2.157	.0447	.1897
#1	.01660	-.00642	.0480	.3117	2.282
#2	.00917	.00374	.0495	.3115	2.275
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	39.85244	--	--	--	--	--	--
%RSD	.5730783	--	--	--	--	--	--
#1	6926	--	--	--	--	--	--
#2	6982	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: DLH3T Operator: KT
Run Time: 10/06/00 06:46:54
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05113	.00009	-.00161	287.72	.03563	1.8432	.00863
SDev	.00364	.00320	.00218	.26	.00186	.0048	.00017
%RSD	7.1122	3584.5	135.45	.09081	5.2140	.26309	1.9391
#1	.04856	.00235	-.00316	287.90	.03432	1.8398	.00875
#2	.05370	-.00217	-.00007	287.53	.03694	1.8466	.00851
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	.00343	37.685	.32845	.11727	.16679	290.91	62.279
SDev	.00024	.020	.00069	.00087	.00065	.02	.192
%RSD	7.1340	.05373	.20968	.74498	.38872	.00728	.30854
#1	.00326	37.671	.32796	.11788	.16725	290.89	62.144
#2	.00360	37.699	.32893	.11665	.16633	290.92	62.415
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	5.0499	.00882	.19436	-.00292	9.2698	.00178	15.561
SDev	.0223	.00160	.00104	.00026	.1296	.00402	.021
%RSD	.44230	18.196	.53491	8.8628	1.3976	226.02	.13724
#1	5.0341	.00995	.19510	-.00274	9.3614	.00462	15.546
#2	5.0657	.00768	.19363	-.00311	9.1782	-.00106	15.576
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	.55797	.56577	.01340	-.00276	.00069	.07879	.03733
SDev	.00085	.00343	.00427	.00377	.00100	.00122	.00484
%RSD	.15268	.60546	31.838	136.54	144.15	1.5541	12.969
#1	.55737	.56335	.01642	-.00543	.00140	.07792	.03390
#2	.55857	.56819	.01038	-.00010	-.00001	.07965	.04075
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	.00892	-.00432	.0710	.4645	2.277
sDev	.00384	.00288	.0022	.0012	.010
%RSD	43.006	66.580	3.145	.2572	.4267
#1	.01164	-.00229	.0694	.4636	2.270
#2	.00621	-.00636	.0726	.4653	2.284
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	7065	--	--	--	--	--	--
SDev	37.70281	--	--	--	--	--	--
%RSD	.5336395	--	--	--	--	--	--
#1	7039	--	--	--	--	--	--
#2	7092	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLH47 Operator: KT
Run Time: 10/06/00 06:55:00
ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.09271	-.00051	.00099	205.82	.03391	1.1913	.00593
SDev	.00264	.00364	.00244	.73	.01262	.0071	.00006
%RSD	2.8423	707.82	246.66	.35293	37.215	.60009	.93378
#1	.09085	-.00309	.00271	206.34	.02499	1.1964	.00597
#2	.09457	.00206	-.00074	205.31	.04283	1.1863	.00589
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	.00259	39.098	.22391	.10564	.20982	230.87	49.848
SDev	.00014	.123	.00106	.00041	.00116	.91	.269
%RSD	5.4061	.31578	.47233	.38977	.55240	.39388	.53904
#1	.00249	39.186	.22465	.10593	.21064	231.52	50.038
#2	.00269	39.011	.22316	.10535	.20900	230.23	49.658
rrors	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	4.9313	.00760	.14584	-.00263	8.2749	.00605	13.476
SDev	.0180	.00168	.00191	.00002	.0621	.00376	.051
%RSD	.36511	22.054	1.3109	.75918	.75063	62.241	.37782
#1	4.9440	.00878	.14719	-.00265	8.3188	.00339	13.512
#2	4.9186	.00641	.14448	-.00262	8.2310	.00871	13.440
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	.46371	.49692	.01683	.00192	-.00087	.11200	.08308
SDev	.00065	.00160	.00426	.00272	.00188	.00125	.00333
%RSD	.14102	.32101	25.285	142.07	216.42	1.1160	4.0041
#1	.46417	.49805	.01984	.00384	.00046	.11111	.08073
#2	.46325	.49580	.01382	-.00001	-.00219	.11288	.08543
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	.00526	-.00340	.0424	.4089	1.981
SDev	.00229	.00431	.0017	.0021	.030
%RSD	43.523	126.93	3.931	.5103	1.504
#1	.00364	-.00645	.0436	.4104	2.002
#2	.00688	-.00035	.0412	.4074	1.960
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	7078	--	--	--	--	--	--
SDev	62.25371	--	--	--	--	--	--
%RSD	.8795208	--	--	--	--	--	--
#1	7034	--	--	--	--	--	--
#2	7122	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLLXVB-0279531-DI 2X Operator: KT
Run Time: 10/06/00 07:11:24
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00199	-.00179	.00269	-.08022	.00247	-.00017	-.00000
SDev	.00033	.00415	.00428	.01113	.00064	.00022	.00012
%RSD	16.591	232.35	159.26	13.875	25.676	127.25	2700.5
#1	-.00222	-.00472	.00572	-.08809	.00292	-.00033	-.00009
#2	-.00175	.00115	-.00034	-.07235	.00203	-.00002	.00008
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	-.00071	.01318	-.00113	-.00042	-.00018	.01459	-.00549
SDev	.00038	.00048	.00113	.00066	.00029	.00863	.00536
%RSD	54.421	3.6632	99.625	157.88	155.28	59.179	97.577
#1	-.00098	.01284	-.00193	-.00088	-.00039	.00848	-.00927
#2	-.00043	.01352	-.00034	.00005	.00002	.02069	-.00170
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	.00014	.00105	-.00133	-.00066	-.04301	-.00457	.00138
SDev	.00022	.00169	.00123	.00053	.30633	.00084	.00036
%RSD	160.46	160.32	92.436	79.987	712.15	18.463	25.711
#1	-.00002	-.00014	-.00220	-.00104	-.25962	-.00397	.00113
#2	.00029	.00225	-.00046	-.00029	.17359	-.00516	.00163
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	-.00033	.00034	.00957	.00507	-.00208	-.00554	-.00022
SDev	.00000	.00073	.00826	.00554	.00176	.00303	.00102
%RSD	.10976	214.19	86.272	109.30	84.684	54.727	473.07
#1	-.00033	-.00018	.01541	.00899	-.00083	-.00768	.00051
#2	-.00032	.00086	.00373	.00115	-.00333	-.00340	-.00094
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
ge	-.00167	-.00184	.0010	.0000	<.0000
SDev	.00646	.00300	.0000	.0000	.0022
%RSD	386.97	162.47	.0000	.0000	26.23
#1	-.00624	-.00396	.0010	.0000	<.0000
#2	.00290	.00027	.0010	.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	7174	--	--	--	--	--	--
SDev	19.60115	--	--	--	--	--	--
%RSD	.2732165	--	--	--	--	--	--
#1	7188	--	--	--	--	--	--
#2	7160	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLLXVC 2X Operator: KT
Run Time: 10/06/00 07:17:22
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49351	2.0282	.48887	1.7672	1.9982	2.0991	.05230
SDev	.03633	.1358	.02421	.1277	.1467	.1633	.00355
%RSD	7.3626	6.6932	4.9519	7.2248	7.3390	7.7799	6.7849
#1	.51921	2.1242	.50599	1.8575	2.1019	2.2146	.05481
#2	.46782	1.9322	.47175	1.6770	1.8946	1.9836	.04979
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	.05207	L.01887	.21714	.54390	.24813	1.1026	L-.00367
SDev	.00414	.00015	.01954	.04633	.01687	.0811	.00180
%RSD	7.9458	.78269	9.0003	8.5183	6.7996	7.3589	49.019
#1	.05499	L.01876	.23096	.57666	.26006	1.1599	L-.00240
#2	.04914	L.01897	.20332	.51114	.23620	1.0452	L-.00494
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	.56300	1.0103	.53651	.04689	.07813	1.9103	L.00105
SDev	.04823	.0721	.04491	.00187	.26626	.1466	.00000
%RSD	8.5662	7.1407	8.3700	3.9969	340.77	7.6717	.34105
#1	.59711	1.0613	.56827	.04822	-.11014	2.0139	L.00104
#2	.52890	.95931	.50476	.04557	.26641	1.8066	L.00105
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	.53079	.54828	L.00029	.48517	.49627	.48996	.49528
SDev	.03733	.04703	.00425	.02494	.02274	.01541	.04678
%RSD	7.0329	8.5780	1457.2	5.1404	4.5827	3.1450	9.4456
#1	.55719	.58153	L-.00272	.50281	.51236	.50086	.52837
#2	.50440	.51502	L.00330	.46754	.48019	.47907	.46220
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	2.0293	2.0276	.0057	L.0000	L.0358
SDev	.0807	.1632	.0013	.0000	.0011
%RSD	3.9789	8.0494	23.43	.0000	3.011
#1	2.0864	2.1430	.0066	L.0000	L.0365
#2	1.9722	1.9122	.0047	L.0000	L.0350
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	6938	--	--	--	--	--	--
SDev	4.723252	--	--	--	--	--	--
%RSD	.0680755	--	--	--	--	--	--
#1	6942	--	--	--	--	--	--
#2	6935	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLE46 2X Operator: KT
Run Time: 10/06/00 07:25:28
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.22329	.00539	.01445	.78206	.00874	.26225	.00007
SDev	.02278	.00038	.00942	.00733	.00231	.03242	.00023
%RSD	10.200	7.0916	65.200	.93748	26.504	12.361	319.72
#1	.20719	.00512	.02112	.78724	.01037	.23933	-.00009
#2	.23940	.00566	.00779	.77687	.00710	.28517	.00024
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	9.5128	.00663	.00143	.05472	1.7603	.99127
SDev	.00023	.9903	.00106	.00068	.00549	.1094	.12429
%RSD	50.293	10.410	16.071	47.193	10.034	6.2160	12.539
#1	-.00063	8.8126	.00588	.00095	.05084	1.6829	.90338
#2	-.00030	10.213	.00738	.00191	.05860	1.8376	1.0792
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	.01813	.01694	.00353	-.00053	3.2704	.00005	.01088
SDev	.00181	.01358	.00064	.00061	.4196	.00747	.00002
%RSD	9.9784	80.192	18.009	114.13	12.831	13675.	.17104
#1	.01685	.02654	.00308	-.00096	2.9737	-.00523	.01086
#2	.01941	.00733	.00398	-.00010	3.5671	.00534	.01089
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	.01115	.06576	.03312	.01949	.00437	.23506	.21741
SDev	.00134	.00756	.00841	.01349	.00129	.02440	.02196
%RSD	11.980	11.494	25.392	69.200	29.503	10.381	10.102
#1	.01021	.06041	.02718	.02902	.00529	.21781	.20188
#2	.01210	.07110	.03907	.00995	.00346	.25232	.23294
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	.00571	.00523	.1089	.0423	3.252
SDev	.00193	.00039	.0146	.0047	.011
%RSD	33.853	7.5104	13.39	11.21	.3384
#1	.00435	.00551	.0986	.0389	3.244
#2	.00708	.00495	.1192	.0456	3.260
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	7059	--	--	--	--	--	--
SDev	15.21661	--	--	--	--	--	--
%RSD	.2155681	--	--	--	--	--	--
#1	7070	--	--	--	--	--	--
#2	7048	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLE46P 2X Operator: KT
Run Time: 10/06/00 07:33:34
Comment:
Mode: CONC Corr. Factor: 5

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.20343	L.00744	L.02529	L.43079	L.02495	.25029	L-.00003
SDev	.01809	.00270	.00270	.00967	.01413	.02760	.00059
%RSD	8.8938	36.323	10.678	2.2456	56.661	11.027	2013.0
#1	.19064	L.00936	L.02720	L.42395	L.03494	.23078	L-.00044
#2	.21623	L.00553	L.02338	L.43763	L.01495	.26981	L.00039
Errors	LC Pass	LC Low	LC Low	LC Low	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-.00173	9.5328	L.00270	L.00256	.05030	1.6866	.92418
SDev	.00001	.4732	.00425	.00334	.00505	.0871	.12503
%RSD	.84546	4.9636	157.21	130.29	10.033	5.1654	13.528
#1	L-.00172	9.1982	L-.00030	L.00020	.04673	1.6250	.83578
#2	L-.00174	9.8674	L.00571	L.00492	.05386	1.7482	1.0126
Errors	LC Low	LC Pass	LC Low	LC Low	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	.01696	L.00553	L-.00011	L-.00215	3.9384	L-.00044	L.01197
SDev	.00219	.00845	.00310	.00301	1.2654	.00078	.00180
%RSD	12.926	152.72	2787.2	139.62	32.131	176.72	15.029
#1	.01541	L-.00044	L-.00231	L-.00428	3.0436	L-.00100	L.01070
#2	.01851	L.01151	L.00208	L-.00003	4.8332	L.00011	L.01324
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.01221	.06136	L.03299	.03890	-.00197	.21035	.19998
SDev	.00218	.00734	.02074	.00705	.00601	.01541	.01943
%RSD	17.857	11.960	62.876	18.115	304.67	7.3250	9.7176
#1	L.01375	.05617	L.04766	.04388	-.00622	.19946	.18624
#2	L.01067	.06655	L.01833	.03391	.00228	.22125	.21372
Errors	LC Low	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	.01368	.00433	.1053	.0409	2.995
SDev	.00659	.00734	.0129	.0043	.212
%RSD	48.170	169.61	12.28	10.48	7.071
#1	.00902	.00952	.0962	.0379	2.845
#2	.01834	-.00086	.1145	.0439	3.145
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	7127	--	--	--	--	--	--
SDev	.6504830	--	--	--	--	--	--
%RSD	.0091275	--	--	--	--	--	--
#1	7127	--	--	--	--	--	--
#2	7126	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLE46S 2X Operator: KT
Run Time: 10/06/00 07:41:41
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.74282	2.1157	.50606	2.8076	2.0445	2.3806	.05241
SDev	.05142	.2781	.06131	.2910	.3092	.3075	.00785
%RSD	6.9220	13.145	12.116	10.365	15.125	12.919	14.972
#1	.77918	2.3124	.54942	3.0133	2.2632	2.5981	.05796
#2	.70647	1.9191	.46271	2.6018	1.8259	2.1632	.04687
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	.05271	9.6287	.22670	.54850	.31039	2.9472	1.0166
SDev	.00800	.9426	.03567	.09154	.03076	.0670	.1020
%RSD	15.176	9.7894	15.736	16.690	9.9097	2.2727	10.031
#1	.05837	8.9622	.25192	.61323	.33214	2.9945	.94446
#2	.04706	10.295	.20147	.48376	.28864	2.8998	1.0887
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	.58180	1.0273	.54516	.04687	3.3060	1.9549	.01186
SDev	.09214	.1414	.08706	.00590	.3757	.2806	.00060
%RSD	15.837	13.769	15.970	12.588	11.364	14.355	5.0987
#1	.64695	1.1273	.60672	.05104	3.0403	2.1533	.01229
#2	.51665	.92724	.48360	.04269	3.5716	1.7565	.01143
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	.53769	.61797	.03312	.51315	.49187	.73861	.74493
SDev	.08064	.08299	.00860	.05949	.06496	.04099	.05663
%RSD	14.998	13.430	25.966	11.594	13.206	5.5490	7.6017
#1	.59471	.67665	.02704	.55522	.53780	.76759	.78497
#2	.48066	.55928	.03920	.47108	.44594	.70963	.70489
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	2.0568	2.1451	.1165	.0432	3.576
SDev	.2634	.2855	.0105	.0042	.054
%RSD	12.805	13.308	9.017	9.697	1.508
#1	2.2431	2.3470	.1091	.0402	3.614
#2	1.8706	1.9433	.1239	.0462	3.538
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	82.98595	--	--	--	--	--	--
%RSD	1.176905	--	--	--	--	--	--
#1	7110	--	--	--	--	--	--
#2	6993	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLE46 2X Operator: KT
Run Time: 10/06/00 07:49:47
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.72974	2.1120	.51175	2.7275	2.0621	2.3864	.05172
SDev	.07765	.4250	.10954	.4032	.4537	.4577	.01126
%RSD	10.640	20.123	21.406	14.783	22.003	19.179	21.766
#1	.78465	2.4125	.58921	3.0126	2.3830	2.7100	.05968
#2	.67484	1.8115	.43429	2.4424	1.7413	2.0628	.04376
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	.05238	9.2787	.22819	.55425	.30423	2.8611	.96446
SDev	.01161	1.2969	.05420	.13357	.04393	.1007	.15116
%RSD	22.163	13.977	23.750	24.100	14.439	3.5206	15.673
#1	.06058	8.3617	.26652	.64870	.33529	2.9323	.85758
#2	.04417	10.196	.18987	.45980	.27317	2.7898	1.0713
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	.58444	1.0449	.54932	.04646	3.2482	1.9733	.01167
SDev	.13501	.2387	.13305	.00918	.4346	.4371	.00065
%RSD	23.101	22.846	24.221	19.759	13.381	22.153	5.5819
#1	.67991	1.2137	.64340	.05295	2.9409	2.2824	.01213
#2	.48897	.87614	.45524	.03997	3.5556	1.6642	.01121
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	.53366	.61816	.03275	.52970	.47579	.71234	.73843
SDev	.11495	.12299	.00832	.12022	.08815	.04928	.09181
%RSD	21.540	19.896	25.403	22.697	18.527	6.9177	12.433
#1	.61494	.70513	.02686	.61471	.53812	.74718	.80335
#2	.45238	.53119	.03863	.44469	.41346	.67750	.67351
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

›its			ppm	ppm	ppm
›ge	1.9763	2.1798	.1078	.0410	3.426
SDev	.3453	.4648	.0134	.0062	.045
%RSD	17.472	21.322	12.39	15.02	1.324
#1	2.2205	2.5084	.0984	.0366	3.394
#2	1.7321	1.8511	.1173	.0453	3.458
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	7193	--	--	--	--	--	--
SDev	37.50497	--	--	--	--	--	--
%RSD	.5213832	--	--	--	--	--	--
#1	7220	--	--	--	--	--	--
#2	7167	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: DLE46X 2X Operator: KT
R Time: 10/06/00 07:57:53
C ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.16821	.00423	.01291	.69750	.01006	.14106	-.00001
SDev	.01533	.00656	.00907	.05725	.00147	.01472	.00011
%RSD	9.1134	155.06	70.271	8.2085	14.642	10.431	1021.5
#1	.15737	.00887	.01932	.73799	.01110	.13066	-.00009
#2	.17905	-.00041	.00649	.65702	.00902	.15147	.00007
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	-.00059	9.4971	.00706	.00095	.05008	1.5171	.96326
SDev	.00061	.9713	.00105	.00000	.00364	.0584	.10943
%RSD	103.15	10.227	14.800	.16550	7.2741	3.8500	11.361
#1	-.00102	8.8103	.00632	.00095	.04751	1.4758	.88587
#2	-.00016	10.184	.00780	.00096	.05266	1.5584	1.0406
rors	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	.01631	.01644	.00300	-.00071	2.5326	.00174	.01091
SDev	.00112	.01325	.00123	.00033	.5341	.00481	.00104
%RSD	6.8845	80.579	41.077	46.365	21.091	276.78	9.5389
#1	.01552	.02581	.00213	-.00094	2.1549	.00514	.01165
#2	.01711	.00707	.00387	-.00048	2.9102	-.00166	.01018
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	.00967	.08311	.03268	.01695	.00480	.17796	.16334
SDev	.00131	.00819	.00813	.01312	.00096	.01695	.01452
%RSD	13.536	9.8590	24.867	77.385	19.925	9.5262	8.8890
#1	.00874	.07731	.03842	.02623	.00547	.16597	.15307
#2	.01059	.08890	.02693	.00768	.00412	.18994	.17360
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	.00647	.00312	.1045	.0429	3.314
SDev	.00724	.00622	.0117	.0046	.071
%RSD	111.93	199.79	11.23	10.84	2.130
#1	.01159	.00752	.0962	.0396	3.364
#2	.00135	-.00129	.1128	.0462	3.264
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	7235	--	--	--	--	--	--
SDev	19.03526	--	--	--	--	--	--
%RSD	.2631106	--	--	--	--	--	--
#1	7248	--	--	--	--	--	--
#2	7221	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: CCVT Operator: KT
P[illegible] Time: 10/06/00 08:05:59
C[illegible]ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.48734	.48534	.48446	23.613	.48200	1.9373	2.0046
SDev	.00242	.00180	.00226	.026	.00816	.0012	.0043
%RSD	.49624	.37063	.46726	.11153	1.6932	.06315	.21438
#1	.48905	.48661	.48606	23.632	.48777	1.9382	2.0077
#2	.48563	.48407	.48286	23.594	.47623	1.9364	2.0016
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	.49466	100.67	1.9983	1.9711	1.8889	24.862	97.419
SDev	.00418	.39	.0125	.0148	.0005	.078	.260
%RSD	.84491	.38605	.62317	.74888	.02433	.31202	.26646
#1	.49761	100.95	2.0072	1.9816	1.8885	24.917	97.603
#2	.49170	100.40	1.9895	1.9607	1.8892	24.807	97.236
[illegible]rors	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	1.9880	1.9488	1.9775	.96566	48.304	.95283	1.9715
SDev	.0132	.0101	.0137	.00125	.060	.00151	.0019
%RSD	.66219	.51761	.69407	.12987	.12485	.15832	.09645
#1	1.9973	1.9416	1.9872	.96655	48.346	.95176	1.9702
#2	1.9786	1.9559	1.9678	.96477	48.261	.95390	1.9729
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	1.9721	1.9954	1.9043	.47911	.49517	.49767	.48219
SDev	.0008	.0124	.0302	.00387	.00096	.00422	.00573
%RSD	.03878	.62051	1.5835	.80826	.19362	.84868	1.1893
#1	1.9726	2.0041	1.9256	.48185	.49450	.49469	.48624
#2	1.9716	1.9866	1.8830	.47637	.49585	.50066	.47813
[illegible]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

001446

Units			ppm	ppm	ppm
Avge	.49315	.48144	1.927	1.984	1.951
SDev	.00211	.00164	.003	.004	.010
%RSD	.42727	.34166	.1542	.2050	.4886
#1	.49464	.48260	1.929	1.987	1.958
#2	.49166	.48028	1.925	1.981	1.944
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	6932	--	--	--	--	--	--
SDev	1.131440	--	--	--	--	--	--
%RSD	.0163218	--	--	--	--	--	--
#1	6931	--	--	--	--	--	--
#2	6933	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: CCBT' Operator: KT
Run Time: 10/06/00 08:14:04
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00019	.00248	.00384	-.06131	.00355	.00110	.00092
SDev	.00207	.00068	.00647	.00266	.00783	.00157	.00071
%RSD	1072.2	27.488	168.42	4.3453	220.59	142.60	77.206
#1	.00127	.00200	.00842	-.05943	-.00199	.00221	.00143
#2	-.00165	.00296	-.00073	-.06320	.00908	-.00001	.00042
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	-.00020	.05182	.00034	.00099	.00106	.01253	.01809
SDev	.00018	.04762	.00048	.00136	.00047	.02353	.01667
%RSD	87.271	91.895	142.28	137.80	44.870	187.80	92.132
#1	-.00008	.08550	.00067	.00195	.00139	.02917	.02987
#2	-.00033	.01815	-.00000	.00003	.00072	-.00411	.00630
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	.00125	.02181	.00133	.00014	.09934	.00661	.00240
SDev	.00178	.02060	.00126	.00034	.43535	.00180	.00183
%RSD	142.45	94.446	95.038	242.76	438.26	27.269	76.531
#1	.00251	.03637	.00222	-.00010	-.20850	.00788	.00369
#2	-.00001	.00724	.00044	.00038	.40717	.00534	.00110
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	.00157	.00042	.00345	.00585	-.00017	-.00355	.00148
SDev	.00089	.00073	.00003	.00964	.00014	.00544	.00581
%RSD	56.885	173.96	.80515	164.77	78.904	153.24	392.07
#1	.00220	.00094	.00347	.01266	-.00008	-.00739	.00559
#2	.00094	-.00010	.00343	-.00097	-.00027	.00030	-.00263
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	.00301	.00221	.0038	.0013	.0140
SDev	.00396	.00096	.0013	.0016	.0074
%RSD	131.51	43.221	34.92	124.7	53.11
#1	.00021	.00289	.0047	.0025	.0192
#2	.00582	.00154	.0028	.0002	.0087
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	6990	--	--	--	--	--	--
SDev	16.94225	--	--	--	--	--	--
%RSD	.2423777	--	--	--	--	--	--
#1	7002	--	--	--	--	--	--
#2	6978	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: CCVT Operator: KT
Run Time: 10/06/00 00:29:03
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49852	.49435	.49007	23.784	.49177	1.9842	2.0850
SDev	.00190	.00143	.00320	.037	.00483	.0017	.0026
%RSD	.38105	.28920	.65278	.15550	.98262	.08446	.12464
#1	.49717	.49536	.48780	23.810	.49518	1.9854	2.0869
#2	.49986	.49334	.49233	23.758	.48835	1.9830	2.0832
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	.51093	104.30	2.0761	2.0338	1.9115	25.720	99.832
SDev	.00238	.20	.0001	.0031	.0015	.003	.060
%RSD	.46522	.18766	.00625	.15387	.07620	.01185	.05994
#1	.51261	104.44	2.0760	2.0361	1.9126	25.718	99.875
#2	.50925	104.16	2.0762	2.0316	1.9105	25.722	99.790
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	2.0635	2.0065	2.0390	.99180	47.923	.96985	2.0344
SDev	.0016	.0277	.0049	.00074	.040	.00524	.0036
%RSD	.07962	1.3784	.23857	.07472	.08415	.53994	.17502
#1	2.0647	1.9869	2.0424	.99232	47.952	.97356	2.0319
#2	2.0623	2.0260	2.0356	.99127	47.895	.96615	2.0369
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	2.0334	2.0620	1.9793	.48177	.50669	.51696	.48931
SDev	.0005	.0019	.0094	.00528	.00097	.00199	.00384
%RSD	.02360	.09098	.47295	1.0958	.19095	.38535	.78530
#1	2.0331	2.0633	1.9727	.47803	.50738	.51837	.48659
#2	2.0338	2.0607	1.9859	.48550	.50601	.51555	.49203
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

ıits			ppm	ppm	ppm
..vge	.51001	.48653	1.950	2.034	1.985
SDev	.00557	.00064	.003	.003	.000
%RSD	1.0926	.13125	.1653	.1297	.0071
#1	.51395	.48608	1.948	2.035	1.985
#2	.50607	.48698	1.953	2.032	1.984
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	6636	--	--	--	--	--	--
SDev	1.527116	--	--	--	--	--	--
%RSD	.0230143	--	--	--	--	--	--
#1	6637	--	--	--	--	--	--
#2	6634	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: CCBT. Operator: KT
Run Time: 10/06/00 00:37:09
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00228	-.00049	.00136	-.05518	-.00177	-.00000	.00017
SDev	.00116	.00045	.00010	.00267	.00332	.00000	.00012
%RSD	51.128	91.552	7.5131	4.8427	187.88	2.8232	70.946
#1	-.00145	-.00082	.00129	-.05707	-.00411	-.00000	.00026
#2	-.00310	-.00017	.00144	-.05329	.00058	-.00000	.00009
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	.02227	-.00008	.00000	.00011	.00216	.00789
SDev	.00019	.00003	.00039	.00000	.00026	.01519	.00558
%RSD	55.341	.14382	468.79	5.1074	244.19	701.87	70.748
#1	-.00020	.02225	.00019	.00000	.00029	.01290	.01183
#2	-.00047	.02229	-.00036	.00000	-.00008	-.00857	.00394
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	.00248	-.00000	-.00005	.21890	.00013	.00108
SDev	.00000	.00000	.00065	.00007	.06784	.00325	.00000
%RSD	2.8232	.02768	23694.	139.47	30.991	2426.5	.00877
#1	-.00000	.00248	-.00046	-.00000	.17093	.00243	.00108
#2	-.00000	.00248	.00046	-.00010	.26686	-.00216	.00108
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	.00032	.00107	.00009	.00117	.00176	-.00169	-.00257
SDev	.00000	.00000	.00433	.00156	.00343	.00065	.00207
%RSD	.17133	.22202	4646.1	133.01	195.06	38.569	80.638
#1	.00032	.00107	-.00297	.00227	-.00067	-.00215	-.00110
#2	.00032	.00107	.00315	.00007	.00418	-.00123	-.00403
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	.00169	-.00158	.0019	.0001	.0077
SDev	.00070	.00103	.0014	.0001	.0012
%RSD	41.291	64.834	70.50	141.4	15.70
#1	.00218	-.00231	.0029	.0002	.0086
#2	.00119	-.00086	.0010	.0000	.0069
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	6823	--	--	--	--	--	--
SDev	1.159407	--	--	--	--	--	--
%RSD	.0169917	--	--	--	--	--	--
#1	6824	--	--	--	--	--	--
#2	6823	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLHMDB-0278311 Operator: KT
Run Time: 10/06/00 00:43:07
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00028	.00141	.00172	-.07975	-.00023	-.00001	.00026
SDev	.00030	.00158	.00072	.01051	.00406	.00000	.00000
%RSD	107.81	112.01	41.617	13.173	1738.4	24.727	.62736
#1	.00007	.00029	.00222	-.07232	-.00310	-.00000	.00026
#2	.00049	.00253	.00121	-.08718	.00264	-.00001	.00025
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	.04341	.00010	.00148	.00071	.02760	.00770
SDev	.00030	.00083	.00011	.00069	.00020	.00907	.00188
%RSD	971.59	1.9186	110.38	46.782	28.694	32.847	24.426
#1	.00018	.04400	.00017	.00197	.00057	.03401	.00903
#2	-.00024	.04282	.00002	.00099	.00086	.02119	.00637
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	.00064	.00119	-.00046	.00005	.57787	-.00249	.00109
SDev	.00000	.00173	.00128	.00034	.05953	.00090	.00000
%RSD	.60814	144.94	279.86	745.39	10.302	36.352	.39166
#1	.00064	-.00003	.00045	-.00020	.53577	-.00313	.00108
#2	.00063	.00242	-.00137	.00029	.61997	-.00185	.00109
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	.00318	.00630	.00216	.00082	.00283	-.00100
SDev	.00045	.00002	.00432	.00062	.00339	.00019	.00035
%RSD	6336.5	.63767	68.624	28.782	411.49	6.7093	35.123
#1	-.00033	.00319	.00324	.00172	.00322	.00270	-.00125
#2	.00031	.00316	.00936	.00260	-.00158	.00297	-.00075
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	-.00377	.00400	.0010	.0000	.0272
SDev	.00905	.00215	.0000	.0000	.0039
%RSD	239.92	53.622	.0000	.0000	14.39
#1	-.01017	.00552	.0010	.0000	.0299
#2	.00263	.00248	.0010	.0000	.0244
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	6893	--	--	--	--	--	--
SDev	27.71872	--	--	--	--	--	--
%RSD	.4021333	--	--	--	--	--	--
#1	6873	--	--	--	--	--	--
#2	6913	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: DLHMDC Operator: KT
Run Time: 10/06/00 00:49:05
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.45493	1.7229	.44958	1.6430	1.8083	1.9756	.04936
SDev	.00408	.0062	.00924	.0006	.0111	.0014	.00006
%RSD	.89618	.35866	2.0559	.03740	.61336	.07318	.12868
#1	.45205	1.7185	.44304	1.6434	1.8005	1.9766	.04941
#2	.45782	1.7273	.45612	1.6425	1.8162	1.9745	.04932
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	.04940	L.02083	.20748	.50453	.23744	1.0164	L.00921
SDev	.00041	.00069	.00000	.00050	.00016	.0130	.00533
%RSD	.83516	3.3194	.00006	.09864	.06686	1.2799	57.828
#1	.04911	L.02132	.20748	.50488	.23755	1.0256	L.01298
#2	.04969	L.02034	.20748	.50418	.23732	1.0072	L.00544
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	.52043	.96036	.49940	.04746	.78012	1.7325	L.00051
SDev	.00013	.01216	.00006	.00011	.08673	.0105	.00001
%RSD	.02511	1.2667	.01226	.23100	11.117	.60630	1.1669
#1	.52053	.95175	.49936	.04754	.84144	1.7400	L.00050
#2	.52034	.96896	.49944	.04738	.71879	1.7251	L.00051
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	.50118	.49331	.00623	.44040	.46796	.47155	.44664
SDev	.00096	.00119	.00427	.00944	.00886	.00410	.00407
%RSD	.19222	.24156	68.537	2.1423	1.8929	.86957	.91021
#1	.50186	.49247	.00925	.43373	.46170	.46865	.44376
#2	.50050	.49416	.00321	.44707	.47422	.47445	.44951
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	1.7546	1.7071	L.0133	L.0001	.1500
ɔDev	.0039	.0073	.0013	.0001	.0025
%RSD	.21979	.42993	9.747	141.4	1.648
#1	1.7519	1.7019	L.0124	L.0002	.1517
#2	1.7574	1.7123	L.0142	L.0000	.1482
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	6865	--	--	--	--	--	--
SDev	25.71065	--	--	--	--	--	--
%RSD	.3744993	--	--	--	--	--	--
#1	6847	--	--	--	--	--	--
#2	6884	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLH48 Operator: KT
Run Time: 10/06/00 00:57:10
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05184	.00214	.00130	191.00	.03049	1.0897	.00622
SDev	.00036	.00595	.00102	.03	.00009	.0005	.00004
%RSD	.69794	278.14	78.916	.01642	.27908	.04893	.58003
#1	.05158	.00634	.00057	191.02	.03055	1.0901	.00625
#2	.05209	-.00207	.00202	190.98	.03043	1.0894	.00619
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	.00188	24.504	.22636	.10075	.15901	219.03	41.019
SDev	.00048	.043	.00009	.00070	.00064	.08	.002
%RSD	25.636	.17390	.03851	.69476	.40025	.03842	.00384
#1	.00222	24.474	.22630	.10125	.15946	218.97	41.018
#2	.00154	24.534	.22642	.10026	.15856	219.09	41.020
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	4.8387	.01105	.12877	-.00248	5.4357	.00763	12.765
SDev	.0082	.00168	.00007	.00013	.1336	.00353	.008
%RSD	.17045	15.175	.05462	5.1430	2.4577	46.257	.05968
#1	4.8329	.01223	.12882	-.00239	5.5301	.01013	12.771
#2	4.8445	.00986	.12872	-.00257	5.3412	.00514	12.760
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	.45692	.43028	.00280	.00109	.00170	.07322	.04116
SDev	.00035	.00121	.00000	.00234	.00161	.00181	.00036
%RSD	.07699	.28123	.02489	214.09	94.562	2.4683	.87439
#1	.45717	.42942	.00280	-.00056	.00284	.07194	.04142
#2	.45667	.43113	.00280	.00274	.00056	.07450	.04091
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	.00298	.00172	.0357	.3121	2.983
SDev	.00658	.00563	.0015	.0001	.064
%RSD	221.16	327.38	4.251	.0191	2.157
#1	.00763	.00570	.0367	.3121	3.029
#2	-.00168	-.00226	.0346	.3120	2.938
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	6947	--	--	--	--	--	--
SDev	38.01389	--	--	--	--	--	--
%RSD	.5471767	--	--	--	--	--	--
#1	6920	--	--	--	--	--	--
#2	6974	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLH48P Operator: KT
Run Time: 10/06/00 01:05:16
(ment:
Mode: CONC Corr. Factor: 5

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L.05127	L.00503	L.00865	191.71	L.04159	1.1163	.00783
SDev	.00084	.00274	.01281	.29	.01650	.0019	.00002
%RSD	1.6350	54.446	148.19	.15064	39.664	.17026	.19969
#1	L.05186	L.00697	L.01770	191.51	L.05326	1.1150	.00782
#2	L.05067	L.00310	L-.00041	191.92	L.02993	1.1177	.00784
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-.00329	25.496	.23279	.10982	.15883	228.39	43.073
SDev	.00167	.045	.00140	.00011	.00039	.54	.092
%RSD	50.665	.17548	.59994	.10209	.24355	.23603	.21337
#1	L-.00211	25.464	.23180	.10974	.15855	228.01	43.008
#2	L-.00447	25.527	.23378	.10990	.15910	228.77	43.138
rors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
gh	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	5.0633	L.02291	.12745	L-.00365	6.7112	L.00792	13.280
SDev	.0154	.00007	.00344	.00103	.3709	.01384	.051
%RSD	.30470	.32959	2.6990	28.333	5.5267	174.81	.38070
#1	5.0524	L.02285	.12502	L-.00438	6.4490	L.01770	13.244
#2	5.0742	L.02296	.12988	L-.00292	6.9735	L-.00187	13.316
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	.46275	.45166	L.01837	.00941	.00712	.06576	.04403
SDev	.00150	.00077	.02162	.01383	.01078	.01162	.00706
%RSD	.32433	.17094	117.68	147.00	151.32	17.668	16.029
#1	.46381	.45111	L.03366	.01918	.01474	.05755	.04902
#2	.46169	.45221	L.00308	-.00037	-.00050	.07398	.03904
rors	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	-.01492	.01500	L.0475	.3197	3.105
SDev	.02707	.01763	.0068	.0005	.040
%RSD	181.41	117.52	14.27	.1700	1.273
#1	-.03407	.02746	L.0427	.3193	3.133
#2	.00422	.00254	L.0523	.3201	3.077
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	6871	--	--	--	--	--	--
SDev	11.68142	--	--	--	--	--	--
%RSD	.1700040	--	--	--	--	--	--
#1	6880	--	--	--	--	--	--
#2	6863	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: DLH48S Operator: KT
Run Time: 10/06/00 01:13:22
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50292	1.6452	.08885	199.96	1.7188	2.9969	.05547
SDev	.00060	.0044	.00015	.25	.0081	.0028	.00003
%RSD	.11853	.26700	.16570	.12430	.47058	.09455	.06179
#1	.50335	1.6483	.08896	200.14	1.7131	2.9949	.05549
#2	.50250	1.6421	.08875	199.79	1.7245	2.9989	.05545
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	.04988	23.576	.42782	.58831	.39309	218.10	40.511
SDev	.00022	.030	.00071	.00178	.00065	.30	.068
%RSD	.43708	.12620	.16492	.30280	.16442	.13680	.16718
#1	.04973	23.555	.42732	.58705	.39355	217.89	40.464
#2	.05003	23.597	.42832	.58957	.39263	218.31	40.559
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	5.2833	.87003	.60471	.04276	5.4135	1.7876	11.989
SDev	.0156	.01153	.00152	.00021	.0551	.0029	.009
%RSD	.29481	1.3253	.25074	.50343	1.0176	.16406	.07675
#1	5.2723	.86188	.60364	.04292	5.4525	1.7855	11.983
#2	5.2943	.87819	.60578	.04261	5.3746	1.7897	11.996
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	.93179	.90252	.00903	.08850	.08956	.54061	.48411
SDev	.00165	.00217	.01715	.00059	.00162	.00176	.00177
%RSD	.17688	.23997	189.90	.66470	1.8093	.32508	.36585
#1	.93063	.90099	.02115	.08809	.09071	.53936	.48536
#2	.93296	.90405	-.00309	.08892	.08841	.54185	.48286
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	1.6703	1.6327	.0387	.3137	3.673
sDev	.0073	.0029	.0002	.0006	.048
%RSD	.43820	.17955	.4777	.1790	1.316
#1	1.6755	1.6347	.0388	.3133	3.707
#2	1.6651	1.6306	.0385	.3141	3.639
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	6911	--	--	--	--	--	--
SDev	33.85619	--	--	--	--	--	--
%RSD	.4898757	--	--	--	--	--	--
#1	6887	--	--	--	--	--	--
#2	6935	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLH48D Operator: KT
Run Time: 10/06/00 01:21:27
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49854	1.6042	.08989	204.75	1.6885	3.0876	.05519
SDev	.00231	.0033	.00390	.02	.0206	.0002	.00018
%RSD	.46349	.20614	4.3437	.00878	1.2209	.00572	.32225
#1	.49691	1.6065	.08713	204.76	1.7031	3.0877	.05532
#2	.50018	1.6018	.09265	204.74	1.6739	3.0875	.05507
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	.04898	23.665	.44211	.57764	.39318	219.88	40.242
SDev	.00031	.016	.00172	.00043	.00092	.06	.014
%RSD	.63996	.06820	.38804	.07487	.23353	.02800	.03521
#1	.04921	23.654	.44090	.57794	.39383	219.92	40.232
#2	.04876	23.677	.44332	.57733	.39253	219.83	40.252
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	5.0202	.87011	.60181	.04229	5.5944	1.7640	12.010
SDev	.0131	.00408	.00125	.00046	.1299	.0278	.010
%RSD	.26168	.46884	.20785	1.0957	2.3225	1.5772	.08519
#1	5.0109	.86722	.60093	.04262	5.6863	1.7444	12.003
#2	5.0295	.87299	.60270	.04197	5.5026	1.7837	12.017
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	.93541	.89599	.02107	.08718	.09532	.53765	.47902
SDev	.00039	.00364	.00873	.00638	.00105	.00574	.00633
%RSD	.04150	.40620	41.431	7.3162	1.1018	1.0681	1.3217
#1	.93569	.89341	.02724	.08267	.09606	.54171	.47454
#2	.93514	.89856	.01490	.09169	.09457	.53359	.48350
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	1.6260	1.5933	.0407	.3169	3.476
SDev	.0079	.0089	.0003	.0002	.007
%RSD	.48563	.55860	.7352	.0520	.1885
#1	1.6204	1.5996	.0409	.3168	3.480
#2	1.6316	1.5870	.0405	.3170	3.471
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	6882	--	--	--	--	--	--
SDev	51.81663	--	--	--	--	--	--
%RSD	.7529168	--	--	--	--	--	--
#1	6845	--	--	--	--	--	--
#2	6919	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLH4A Operator: KT
Run Time: 10/06/00 01:29:33
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05546	-.00034	-.00196	252.93	.03352	1.8810	.00750
SDev	.00125	.00284	.00090	.08	.00349	.0003	.00015
%RSD	2.2603	830.43	45.771	.03324	10.427	.01542	2.0296
#1	.05635	-.00235	-.00260	252.87	.03104	1.8812	.00760
#2	.05457	.00167	-.00133	252.99	.03599	1.8808	.00739
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	.00257	28.039	.26344	.10712	.16591	264.73	52.195
SDev	.00080	.072	.00024	.00019	.00037	.18	.072
%RSD	31.114	.25681	.09221	.17393	.22512	.06651	.13817
#1	.00314	27.988	.26327	.10699	.16617	264.61	52.144
#2	.00201	28.090	.26361	.10725	.16564	264.86	52.246
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	5.1322	.01438	.14649	-.00314	7.7855	.00004	15.125
SDev	.0141	.00692	.00056	.00048	.1446	.00396	.017
%RSD	.27392	48.149	.38010	15.144	1.8567	10528.	.11328
#1	5.1222	.01927	.14688	-.00280	7.8877	-.00276	15.137
#2	5.1421	.00948	.14609	-.00347	7.6833	.00284	15.113
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	.53556	.53129	.01204	-.00250	-.00089	.08044	.04299
SDev	.00106	.00159	.00852	.00014	.00298	.00209	.00084
%RSD	.19714	.30009	70.791	5.5934	336.80	2.5922	1.9502
#1	.53481	.53017	.00601	-.00240	-.00299	.08191	.04358
#2	.53631	.53242	.01807	-.00260	.00122	.07896	.04239
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	-.00358	.00128	.0453	.3870	3.223
SDev	.00358	.00248	.0012	.0003	.014
%RSD	99.924	194.02	2.575	.0786	.4191
#1	-.00611	-.00047	.0445	.3868	3.233
#2	-.00105	.00303	.0462	.3873	3.214
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	6897	--	--	--	--	--	--
SDev	26.13464	--	--	--	--	--	--
%RSD	.3789079	--	--	--	--	--	--
#1	6879	--	--	--	--	--	--
#2	6916	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLH4D Operator: KT
Run Time: 10/06/00 01:37:39
mment:
ode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05420	.00229	-.00177	246.80	.02815	1.6084	.00685
SDev	.00058	.00006	.00010	.13	.00737	.0047	.00005
%RSD	1.0739	2.5756	5.8488	.05395	26.193	.29467	.69662
#1	.05379	.00225	-.00170	246.89	.03336	1.6117	.00688
#2	.05461	.00234	-.00185	246.71	.02293	1.6050	.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	.00299	22.017	.25351	.09183	.17098	244.74	49.548
SDev	.00086	.023	.00028	.00085	.00021	.24	.081
%RSD	28.810	.10399	.10912	.92963	.12161	.09990	.16251
#1	.00360	22.000	.25370	.09244	.17083	244.57	49.605
#2	.00238	22.033	.25331	.09123	.17113	244.92	49.491
rrors	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	4.8080	.00725	.14186	-.00260	6.3322	.01313	14.224
SDev	.0074	.00694	.00039	.00001	.1831	.00469	.021
%RSD	.15471	95.736	.27446	.49792	2.8909	35.700	.14999
#1	4.8027	.01216	.14158	-.00261	6.4616	.01644	14.209
#2	4.8132	.00234	.14213	-.00259	6.2027	.00981	14.239
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	.49041	.51150	.02227	-.00366	.00200	.07859	.04202
SDev	.00128	.00107	.01287	.00272	.00576	.00347	.00261
%RSD	.26159	.20844	57.785	74.354	287.33	4.4222	6.2055
#1	.48951	.51075	.01317	-.00558	.00608	.08105	.04018
#2	.49132	.51225	.03136	-.00173	-.00207	.07613	.04386
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	.00514	.00087	.0535	.3177	3.169
SDev	.00299	.00140	.0010	.0006	.011
%RSD	58.072	161.11	1.898	.1805	.3606
#1	.00303	.00186	.0528	.3181	3.178
#2	.00726	-.00012	.0542	.3173	3.161
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	6814	--	--	--	--	--	--
SDev	43.52953	--	--	--	--	--	--
%RSD	.6388344	--	--	--	--	--	--
#1	6783	--	--	--	--	--	--
#2	6845	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLH4F Operator: KT
Run Time: 10/06/00 01:45:44
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06873	-.00122	.00456	167.26	.03788	.96245	.00528
SDev	.00081	.00128	.00287	.10	.00264	.00328	.00003
%RSD	1.1733	105.67	63.063	.05839	6.9684	.34072	.47985
#1	.06930	-.00031	.00253	167.33	.03602	.96013	.00530
#2	.06816	-.00212	.00659	167.20	.03975	.96477	.00527
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	.00191	25.521	.19601	.08777	.14836	195.17	37.010
SDev	.00032	.033	.00030	.00083	.00041	.21	.096
%RSD	17.014	.12983	.15396	.95051	.27774	.10717	.25921
#1	.00168	25.498	.19622	.08718	.14865	195.03	36.942
#2	.00214	25.545	.19579	.08836	.14807	195.32	37.078
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	4.7580	.00981	.12022	-.00268	6.0527	.00413	11.708
SDev	.0199	.00344	.00203	.00013	.0551	.00554	.016
%RSD	.41812	35.030	1.6922	4.8736	.91031	134.02	.13903
#1	4.7440	.01224	.11879	-.00259	6.0917	.00022	11.697
#2	4.7721	.00738	.12166	-.00278	6.0138	.00805	11.720
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	.39892	.42836	.02232	.00630	.00108	.08862	.05880
SDev	.00041	.00250	.00866	.00527	.00193	.00248	.00003
%RSD	.10208	.58284	38.814	83.731	179.37	2.7933	.04557
#1	.39864	.42659	.02845	.00257	.00244	.09037	.05878
#2	.39921	.43012	.01620	.01002	-.00029	.08687	.05882
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	-.00589	.00112	.0350	.2785	3.172
SDev	.00459	.00037	.0001	.0011	.018
%RSD	77.881	32.676	.4289	.3939	.5627
#1	-.00265	.00086	.0351	.2777	3.159
#2	-.00914	.00138	.0349	.2792	3.184
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	6895	--	--	--	--	--	--
SDev	30.40559	--	--	--	--	--	--
%RSD	.4410021	--	--	--	--	--	--
#1	6873	--	--	--	--	--	--
#2	6916	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLH4J Operator: KT
Run Time: 10/06/00 01:53:50
omment:
ode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04947	-.00194	.00051	238.73	.03201	1.4154	.00714
SDev	.00050	.01172	.00323	.06	.00653	.0031	.00005
%RSD	1.0062	604.96	633.76	.02582	20.384	.22001	.64640
#1	.04982	.00635	-.00177	238.77	.02740	1.4132	.00717
#2	.04912	L-.01023	.00279	238.68	.03662	1.4176	.00710
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	.00232	28.108	.22571	.11450	.15833	266.97	57.826
SDev	.00052	.062	.00009	.00044	.00041	.49	.158
%RSD	22.600	.22140	.04107	.38035	.26035	.18330	.27264
#1	.00195	28.064	.22578	.11420	.15862	266.62	57.714
#2	.00269	28.152	.22565	.11481	.15804	267.32	57.937
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	5.5571	.00957	.13873	-.00315	8.0072	.00668	14.639
SDev	.0210	.00337	.00147	.00068	.0374	.00171	.030
%RSD	.37731	35.227	1.0572	21.624	.46739	25.578	.20633
#1	5.5422	.01196	.13976	-.00267	8.0337	.00547	14.618
#2	5.5719	.00719	.13769	-.00364	7.9808	.00789	14.661
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	.50466	.51033	.01242	-.00027	.00206	.07506	.03670
SDev	.00186	.00202	.00853	.00552	.00137	.00547	.00199
%RSD	.36770	.39657	68.705	2075.0	66.209	7.2946	5.4150
#1	.50334	.50890	.00638	-.00417	.00303	.07893	.03529
#2	.50597	.51176	.01845	.00364	.00110	.07119	.03810
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	-.00266	-.00158	.0523	.3846	3.200
SDev	.02037	.00741	.0024	.0007	.023
%RSD	765.52	469.74	4.563	.1916	.7312
#1	.01174	.00366	.0506	.3841	3.183
#2	-.01706	-.00682	.0539	.3851	3.217
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	6855	--	--	--	--	--	--
SDev	40.44630	--	--	--	--	--	--
%RSD	.5900159	--	--	--	--	--	--
#1	6827	--	--	--	--	--	--
#2	6884	--	--	--	--	--	--

Method: QTESTNAK Sample Name: CCVT Operator: KT
Run Time: 10/06/00 02:01:56
mment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49324	.48659	.48749	23.521	.48410	1.9744	2.0653
SDev	.00086	.00268	.00095	.007	.01129	.0017	.0046
%RSD	.17529	.55067	.19431	.02801	2.3317	.08381	.22391
#1	.49386	.48848	.48682	23.526	.47612	1.9756	2.0686
#2	.49263	.48469	.48816	23.516	.49209	1.9733	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	.50283	103.05	2.0576	2.0145	1.8972	25.491	98.955
SDev	.00191	.18	.0026	.0007	.0006	.046	.129
%RSD	.38073	.17558	.12582	.03711	.03195	.18003	.13006
#1	.50147	103.18	2.0594	2.0151	1.8977	25.524	99.046
#2	.50418	102.92	2.0557	2.0140	1.8968	25.459	98.864
'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	2.0401	1.9820	2.0149	.98229	47.590	.95940	2.0277
SDev	.0018	.0276	.0049	.00031	.204	.00577	.0052
%RSD	.08611	1.3910	.24095	.03135	.42830	.60154	.25569
#1	2.0413	1.9625	2.0183	.98251	47.734	.95532	2.0313
#2	2.0388	2.0015	2.0115	.98207	47.446	.96348	2.0240
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	2.0238	2.0403	1.9405	.47978	.50295	.51366	.48305
SDev	.0047	.0014	.0060	.00136	.00012	.00002	.00130
%RSD	.23351	.06675	.31115	.28327	.02432	.00324	.27007
#1	2.0271	2.0413	1.9362	.47882	.50286	.51365	.48397
#2	2.0204	2.0394	1.9448	.48074	.50303	.51367	.48213
.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
vge	.50614	.47682	1.943	2.021	1.964
sDev	.00137	.00333	.004	.002	.006
%RSD	.27171	.69851	.2096	.1065	.3168
#1	.50711	.47918	1.940	2.023	1.968
#2	.50517	.47447	1.946	2.020	1.959
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	6726	--	--	--	--	--	--
SDev	9.616721	--	--	--	--	--	--
%RSD	.1429834	--	--	--	--	--	--
#1	6719	--	--	--	--	--	--
#2	6733	--	--	--	--	--	--

Analysis Report QC Standard 10/06/00 02:18:00 AM page 1

Method: QTESTNAK Sample Name: CCBT, Operator: KT
Run Time: 10/06/00 02:12:06
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00232	-.00036	.00313	-.09768	.00341	-.00001	.00008
SDev	.00094	.00384	.00223	.00408	.00038	.00000	.00000
%RSD	40.723	1075.1	71.309	4.1817	11.296	16.206	.88037
#1	-.00299	-.00308	.00155	-.10057	.00313	-.00001	.00008
#2	-.00165	.00236	.00471	-.09479	.00368	-.00001	.00008
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	-.00029	-.00298	-.00053	.00050	.00031	.00216	-.00274
SDev	.00037	.00048	.00038	.00069	.00030	.00306	.00183
%RSD	124.34	16.222	72.495	137.65	96.117	141.54	66.576
#1	-.00004	-.00264	-.00080	.00001	.00053	.00433	-.00145
#2	-.00055	-.00332	-.00026	.00099	.00010	-.00000	-.00403
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	-.00001	.00118	-.00046	-.00005	.33189	-.00525	.00109
SDev	.00000	.00173	.00128	.00007	.01804	.00505	.00000
%RSD	16.206	146.20	278.84	137.03	5.4349	96.029	.28205
#1	-.00001	-.00004	.00045	-.00000	.31913	-.00169	.00109
#2	-.00001	.00241	-.00136	-.00010	.34464	-.00882	.00109
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	-.00001	-.00060	.00030	.00375	.00190	-.00079	-.00308
SDev	.00045	.00076	.01279	.00335	.00000	.00015	.00134
%RSD	6551.7	127.39	4248.3	89.391	.21649	19.038	43.496
#1	-.00033	-.00113	.00935	.00138	.00190	-.00090	-.00403
#2	.00031	-.00006	-.00874	.00612	.00189	-.00068	-.00213
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	.00115	-.00111	.0010	.0000	<.0000
SDev	.00352	.00401	.0000	.0000	.0001
%RSD	304.66	360.23	.0000	.0000	7.076
#1	-.00133	-.00395	.0010	.0000	<.0000
#2	.00364	.00172	.0010	.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	6908	--	--	--	--	--	--
SDev	20.76090	--	--	--	--	--	--
%RSD	.3005186	--	--	--	--	--	--
#1	6894	--	--	--	--	--	--
#2	6923	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLH5H Operator: KT
Run Time: 10/06/00 02:18:04
nment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04576	.00449	-.00216	221.70	.02970	1.0393	.00666
SDev	.00146	.00076	.00105	7.96	.00160	.0196	.00034
%RSD	3.1833	16.827	48.654	3.5924	5.3759	1.8856	5.1344
#1	.04473	.00503	-.00290	227.33	.02858	1.0532	.00690
#2	.04679	.00396	-.00141	216.07	.03083	1.0255	.00642
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	.00204	28.342	.22691	.10457	.16657	258.33	56.423
SDev	.00130	.971	.00562	.00259	.00689	8.97	1.072
%RSD	63.574	3.4266	2.4746	2.4755	4.1379	3.4714	1.8996
#1	.00112	29.029	.23088	.10640	.17144	264.67	57.181
#2	.00296	27.656	.22294	.10274	.16169	251.99	55.665
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	4.6976	.00719	.13931	-.00271	6.6088	.00792	13.833
SDev	.0890	.00216	.00255	.00008	.3009	.00147	.467
%RSD	1.8950	30.053	1.8284	2.8541	4.5532	18.600	3.3769
#1	4.7605	.00872	.14111	-.00277	6.8216	.00688	14.164
#2	4.6346	.00566	.13751	-.00266	6.3960	.00896	13.503
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	.50609	.50516	.01657	-.00271	-.00104	.07190	.03271
SDev	.01633	.00855	.00439	.00366	.00419	.00160	.00298
%RSD	3.2270	1.6924	26.492	134.97	402.45	2.2290	9.1230
#1	.51764	.51121	.01967	-.00530	.00192	.07304	.03060
#2	.49454	.49912	.01347	-.00012	-.00400	.07077	.03482
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	.00479	.00434	.0483	.3469	2.699
SDev	.00312	.00269	.0002	.0068	.072
%RSD	65.099	61.968	.3387	1.958	2.677
#1	.00259	.00625	.0484	.3517	2.750
#2	.00700	.00244	.0482	.3421	2.648
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	6739	--	--	--	--	--	--
SDev	217.7606	--	--	--	--	--	--
%RSD	3.231512	--	--	--	--	--	--
#1	6585	--	--	--	--	--	--
#2	6893	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLH5M Operator: KT
Run Time: 10/06/00 02:26:10
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06848	.00084	-.00462	319.53	.04235	1.8350	.00949
SDev	.00121	.00054	.00073	.97	.00373	.0014	.00017
%RSD	1.7617	64.501	15.766	.30301	8.8053	.07469	1.8036
#1	.06762	.00045	-.00411	320.21	.03971	1.8360	.00961
#2	.06933	.00122	-.00514	318.84	.04498	1.8341	.00937
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	25.756	.36601	.11986	.20633	312.34	64.336
SDev	.00073	.005	.00084	.00084	.00100	.37	.022
%RSD	16.033	.01771	.22942	.69753	.48239	.11917	.03474
#1	.00507	25.753	.36542	.12045	.20704	312.08	64.352
#2	.00404	25.760	.36660	.11927	.20563	312.61	64.320
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	5.6711	.01421	.17922	-.00316	10.191	-.00058	15.766
SDev	.0083	.00689	.00106	.00040	.209	.00041	.029
%RSD	.14683	48.472	.58987	12.782	2.0511	70.212	.18272
#1	5.6652	.01908	.17848	-.00287	10.339	-.00029	15.746
#2	5.6770	.00934	.17997	-.00344	10.043	-.00087	15.786
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	.66038	.63578	.00663	-.00827	.00267	.09918	.05315
SDev	.00117	.00034	.00435	.00056	.00107	.00510	.00436
%RSD	.17717	.05414	65.609	6.7574	39.996	5.1449	8.1959
#1	.65955	.63603	.00970	-.00787	.00343	.10279	.05007
#2	.66120	.63554	.00355	-.00866	.00192	.09557	.05623
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	.00309	-.00029	.0654	.4031	2.894
SDev	.00222	.00030	.0003	.0002	.018
%RSD	72.016	104.76	.4786	.0452	.6225
#1	.00152	-.00007	.0656	.4033	2.907
#2	.00466	-.00050	.0651	.4030	2.881
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	6877	--	--	--	--	--	--
SDev	33.40389	--	--	--	--	--	--
%RSD	.4857518	--	--	--	--	--	--
#1	6853	--	--	--	--	--	--
#2	6900	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLHHQ Operator: KT
Run Time: 10/06/00 02:34:15
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01676	.00163	.00306	66.169	.02384	.21992	.00253
SDev	.00151	.00493	.00066	.183	.00441	.00055	.00013
%RSD	9.0148	301.84	21.502	.27697	18.486	.25125	4.9601
#1	.01569	-.00185	.00352	66.299	.02696	.22032	.00262
#2	.01783	.00512	.00259	66.040	.02073	.21953	.00244
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	-.00048	13.399	.27849	.03159	.28781	101.09	14.947
SDev	.00042	.018	.00015	.00009	.00049	.08	.045
%RSD	87.954	.13512	.05516	.28036	.17153	.08360	.29942
#1	-.00078	13.412	.27838	.03165	.28816	101.15	14.979
#2	-.00018	13.386	.27860	.03153	.28746	101.03	14.915
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	1.0940	.00408	.09055	-.00177	2.6365	.00089	4.1978
SDev	.0005	.00171	.00086	.00021	.0492	.00118	.0060
%RSD	.04840	41.811	.94552	11.681	1.8654	132.72	.14235
#1	1.0944	.00529	.09116	-.00192	2.6713	.00173	4.2020
#2	1.0937	.00288	.08995	-.00162	2.6017	.00005	4.1935
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	.20622	.24631	.00156	.00386	.00146	.02330	.01349
SDev	.00036	.00009	.00417	.00157	.00117	.00010	.00221
%RSD	.17222	.03795	266.50	40.745	80.669	.44261	16.403
#1	.20597	.24624	.00451	.00497	.00063	.02322	.01193
#2	.20647	.24637	-.00138	.00275	.00229	.02337	.01506
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	-.00155	.00322	.0148	.1079	1.595
SDev	.00678	.00400	.0013	.0003	.015
%RSD	436.68	124.14	8.584	.2509	.9590
#1	-.00635	.00039	.0139	.1080	1.606
#2	.00324	.00605	.0157	.1077	1.584
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	7046	--	--	--	--	--	--
SDev	17.67767	--	--	--	--	--	--
%RSD	.2508787	--	--	--	--	--	--
#1	7034	--	--	--	--	--	--
#2	7059	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLHK5 Operator: KT
Run Time: 10/06/00 02:42:21
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.08185	-.00144	-.00409	252.38	.05443	1.7915	.00845
SDev	.00303	.00377	.00669	.47	.00479	.0004	.00004
%RSD	3.7070	261.26	163.52	.18628	8.8025	.02434	.45328
#1	.07970	.00122	-.00882	252.71	.05782	1.7912	.00842
#2	.08400	-.00411	.00064	252.05	.05104	1.7918	.00847
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	187.24	.29243	.15890	.32730	270.00	72.378
SDev	.00011	.75	.00118	.00029	.00148	.32	.140
%RSD	1.3895	.40260	.40247	.18305	.45120	.11889	.19398
#1	.00828	186.71	.29160	.15911	.32834	269.77	72.279
#2	.00812	187.77	.29327	.15870	.32626	270.23	72.478
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	7.2674	.00856	.23502	-.00272	6.2989	-.00217	9.4348
SDev	.0400	.00511	.00106	.00041	.2688	.00408	.0014
%RSD	.55018	59.748	.45086	14.921	4.2672	188.42	.01460
#1	7.2392	.01217	.23427	-.00244	6.4889	-.00505	9.4358
#2	7.2957	.00494	.23577	-.00301	6.1088	.00072	9.4339
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	.55059	.65909	.00771	-.00838	.00450	.11192	.06684
SDev	.00158	.00417	.00862	.01028	.00051	.00142	.00526
%RSD	.28635	.63229	111.83	122.68	11.310	1.2644	7.8628
#1	.54948	.65614	.00161	-.01565	.00486	.11292	.06312
#2	.55171	.66204	.01380	-.00111	.00414	.11092	.07056
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	-.00066	-.00184	.0459	.7810	2.561
sDev	.00724	.00204	.0018	.0009	.001
%RSD	1096.1	111.24	3.854	.1185	.0209
#1	.00446	-.00039	.0471	.7804	2.562
#2	-.00578	-.00328	.0446	.7817	2.561
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	6815	--	--	--	--	--	--
SDev	63.27190	--	--	--	--	--	--
%RSD	.9284348	--	--	--	--	--	--
#1	6770	--	--	--	--	--	--
#2	6860	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLFJ6 Operator: KT
Run Time: 10/06/00 02:50:27
mment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05268	.00336	-.00245	231.11	.02529	.98754	.00690
SDev	.00549	.00027	.00040	.19	.00649	.00274	.00017
%RSD	10.414	8.0693	16.358	.08147	25.639	.27779	2.4249
#1	.04880	.00355	-.00273	231.24	.02988	.98560	.00702
#2	.05656	.00316	-.00216	230.98	.02071	.98948	.00678
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	.00305	21.378	.22475	.09377	.16020	231.12	46.417
SDev	.00036	.066	.00051	.00122	.00046	.52	.139
%RSD	11.810	.30920	.22811	1.3001	.28400	.22390	.29864
#1	.00280	21.331	.22512	.09291	.16052	230.76	46.319
#2	.00331	21.425	.22439	.09463	.15988	231.49	46.515
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	4.5909	.00842	.12929	-.00266	6.5233	.00598	13.811
SDev	.0273	.00339	.00180	.00027	.1668	.00348	.043
%RSD	.59405	40.221	1.3913	10.056	2.5572	58.312	.31008
#1	4.5716	.01082	.12802	-.00247	6.6413	.00844	13.780
#2	4.6102	.00603	.13057	-.00285	6.4054	.00351	13.841
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	.48421	.46010	.00459	-.00410	.00087	.07783	.04013
SDev	.00145	.00151	.00428	.00236	.00353	.00282	.00681
%RSD	.29922	.32741	93.041	57.584	406.59	3.6303	16.982
#1	.48318	.45903	.00157	-.00577	.00336	.07583	.03531
#2	.48523	.46116	.00762	-.00243	-.00163	.07983	.04495
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	-.00997	.01001	.0485	.2995	1.343
SDev	.00315	.00116	.0003	.0008	.003
%RSD	31.560	11.637	.5936	.2506	.2364
#1	-.00774	.00918	.0487	.2990	1.341
#2	-.01219	.01083	.0483	.3000	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	6847	--	--	--	--	--	--
SDev	41.46484	--	--	--	--	--	--
%RSD	.6056197	--	--	--	--	--	--
#1	6817	--	--	--	--	--	--
#2	6876	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLFJ8 Operator: KT
Run Time: 10/06/00 02:58:32
mment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.14005	.00157	-.00008	141.41	.03674	1.0550	.00467
SDev	.00035	.00165	.00114	1.00	.00657	.0064	.00018
%RSD	.24974	104.81	1402.8	.70926	17.878	.61001	3.8937
#1	.13980	.00041	-.00089	142.12	.03209	1.0596	.00480
#2	.14030	.00273	.00072	140.70	.04138	1.0505	.00455
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	.00277	26.821	.17382	.09418	.20111	169.22	34.050
SDev	.00010	.128	.00106	.00070	.00187	.95	.193
%RSD	3.6201	.47841	.61094	.73864	.92778	.56223	.56765
#1	.00284	26.912	.17457	.09467	.20243	169.89	34.187
#2	.00270	26.730	.17307	.09369	.19979	168.55	33.914
rrors	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	3.9025	.00848	.11106	-.00200	6.6291	-.00344	10.468
SDev	.0070	.00175	.00013	.00039	.1977	.00066	.042
%RSD	.17968	20.627	.11221	19.567	2.9830	19.118	.40478
#1	3.9075	.00972	.11115	-.00172	6.7689	-.00391	10.498
#2	3.8976	.00724	.11097	-.00227	6.4892	-.00298	10.438
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	.35051	.47403	.00254	-.00093	.00161	.15801	.13109
SDev	.00092	.00162	.00434	.00283	.00226	.00314	.00209
%RSD	.26332	.34164	171.00	306.32	140.47	1.9864	1.5954
#1	.35116	.47517	-.00053	-.00293	.00321	.16023	.12961
#2	.34986	.47288	.00561	.00108	.00001	.15579	.13256
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	-.00719	.00594	.0300	.3399	1.252
SDev	.00056	.00219	.0010	.0019	.033
%RSD	7.8007	36.818	3.205	.5744	2.601
#1	-.00758	.00440	.0293	.3413	1.275
#2	-.00679	.00749	.0307	.3385	1.229
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	6957	--	--	--	--	--	--
SDev	87.11569	--	--	--	--	--	--
%RSD	1.252231	--	--	--	--	--	--
#1	6895	--	--	--	--	--	--
#2	7018	--	--	--	--	--	--

Method: QTESTNAK Sample Name: SCE-CSM151 Operator: KT
Run Time: 10/06/00 03:06:39
mment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00007	.02665	.00882	-.07346	.00535	-.00002	.00033
SDev	.00197	.00534	.00119	.00096	.00268	.00000	.00012
%RSD	2886.3	20.052	13.524	1.3111	50.130	10.873	36.489
#1	-.00132	.02287	.00967	-.07414	.00345	-.00001	.00041
#2	.00146	.03043	.00798	-.07278	.00724	-.00002	.00024
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	.00196	.11495	.00008	.00099	.00349	.01660	.00714
SDev	.00038	.01428	.00001	.00000	.00034	.00006	.00190
%RSD	19.306	12.425	18.071	.08473	9.7404	.37875	26.612
#1	.00169	.10485	.00009	.00099	.00373	.01664	.00849
#2	.00223	.12505	.00007	.00099	.00325	.01655	.00580
rrors	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	.00138	-.00131	.00042	.00023	.45285	L-.01757	.00291
SDev	.00021	.00170	.00001	.00006	.03336	.00659	.00036
%RSD	15.235	129.90	1.1204	28.150	7.3657	37.476	12.550
#1	.00123	-.00011	.00042	.00019	.42926	L-.02223	.00316
#2	.00153	-.00251	.00041	.00028	.47644	L-.01292	.00265
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	.00029	.00559	.05068	.01217	.00213	.00355	-.00167
SDev	.00000	.00079	.00850	.00147	.00064	.00211	.00189
%RSD	1.3414	14.085	16.765	12.083	30.013	59.391	113.52
#1	.00029	.00614	.05669	.01321	.00258	.00206	-.00301
#2	.00029	.00503	.04467	.01113	.00168	.00504	-.00033
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	.03028	.02484	.0000	.0003	.0414
SDev	.00467	.00568	.0013	.0000	.0095
%RSD	15.426	22.867	3144.	.5327	23.01
#1	.02698	.02082	<.0000	.0003	.0481
#2	.03359	.02885	.0010	.0003	.0347
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	7115	--	--	--	--	--	--
SDev	37.90099	--	--	--	--	--	--
%RSD	.5326944	--	--	--	--	--	--
#1	7088	--	--	--	--	--	--
#2	7142	--	--	--	--	--	--

Method: QTESTNAK Sample Name: CCVT Operator: KT
Run Time: 10/06/00 03:12:37
nment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49559	.49394	.49144	24.340	.49550	1.9950	2.0426
SDev	.00073	.00231	.00508	.109	.00795	.0036	.0013
%RSD	.14802	.46755	1.0329	.44591	1.6035	.17799	.06286
#1	.49611	.49557	.48786	24.416	.50111	1.9975	2.0417
#2	.49507	.49231	.49503	24.263	.48988	1.9925	2.0435
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	.50064	102.64	2.0441	2.0119	1.9482	25.468	100.55
SDev	.00104	.05	.0020	.0012	.0076	.065	.30
%RSD	.20785	.05115	.09607	.05771	.38752	.25514	.30044
#1	.49991	102.68	2.0428	2.0111	1.9536	25.514	100.76
#2	.50138	102.60	2.0455	2.0128	1.9429	25.422	100.33
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	2.0306	1.9763	2.0151	.99187	49.800	.96470	2.0344
SDev	.0016	.0235	.0010	.00254	.285	.00319	.0006
%RSD	.07721	1.1900	.04754	.25622	.57164	.33098	.02943
#1	2.0295	1.9597	2.0145	.99366	50.001	.96244	2.0340
#2	2.0317	1.9929	2.0158	.99007	49.598	.96695	2.0348
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	2.0250	2.0360	1.9354	.48490	.50456	.51300	.48689
SDev	.0017	.0030	.0028	.00822	.00121	.00215	.00003
%RSD	.08310	.14749	.14536	1.6941	.23982	.41950	.00522
#1	2.0261	2.0338	1.9334	.47909	.50541	.51452	.48691
#2	2.0238	2.0381	1.9374	.49071	.50370	.51148	.48687
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	.51619	.48283	1.977	2.037	2.018
SDev	.00604	.00045	.003	.004	.002
%RSD	1.1701	.09258	.1533	.1734	.1226
#1	.52046	.48315	1.979	2.039	2.020
#2	.51192	.48252	1.974	2.034	2.017
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	6689	--	--	--	--	--	--
SDev	5.600231	--	--	--	--	--	--
%RSD	.0837200	--	--	--	--	--	--
#1	6685	--	--	--	--	--	--
#2	6693	--	--	--	--	--	--

Analysis Report QC Standard 10/06/00 03:26:37 AM page 1

Method: QTESTNAK Sample Name: CCBT, Operator: KT
Run Time: 10/06/00 03:20:43
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00098	.00014	.00182	-.08417	-.00001	-.00000	.00017
SDev	.00079	.00023	.00113	.00571	.00236	.00000	.00012
%RSD	80.258	164.02	62.371	6.7826	36591.	22.289	71.611
#1	-.00042	.00030	.00102	-.08013	.00166	-.00000	.00026
#2	-.00154	-.00002	.00262	-.08821	-.00167	-.00000	.00008
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	.00017	-.00195	-.00051	.00001	.00058	-.00423	-.00137
SDev	.00009	.00044	.00001	.00000	.00004	.00605	.00002
%RSD	50.992	22.314	1.1230	33.939	6.2817	143.17	1.6859
#1	.00011	-.00164	-.00051	.00001	.00061	-.00851	-.00136
#2	.00024	-.00226	-.00052	.00001	.00056	.00005	-.00139
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	.00245	-.00046	.00015	.27316	-.00053	.00082
SDev	.00000	.00001	.00000	.00049	.02811	.00268	.00037
%RSD	22.289	.51980	.00000	331.80	10.290	506.51	45.202
#1	-.00000	.00246	-.00046	.00049	.25329	.00137	.00108
#2	-.00000	.00244	-.00046	-.00020	.29304	-.00242	.00056
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	-.00004	-.00591	.00339	-.00133	-.00211	-.00042
SDev	.00045	.00001	.00436	.00248	.00155	.00034	.00135
%RSD	12240.	23.847	73.827	72.981	116.38	16.132	324.59
#1	-.00032	-.00003	-.00900	.00164	-.00024	-.00235	.00054
#2	.00032	-.00004	-.00283	.00514	-.00243	-.00187	-.00137
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
vge	.00092	-.00025	.0010	.0000	.0022
SDev	.00353	.00210	.0000	.0000	.0005
%RSD	381.90	826.08	.0000	.0000	21.95
#1	-.00157	.00123	.0010	.0000	.0026
#2	.00342	-.00174	.0010	.0000	.0019
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	6864	--	--	--	--	--	--
SDev	18.46971	--	--	--	--	--	--
%RSD	.2690629	--	--	--	--	--	--
#1	6851	--	--	--	--	--	--
#2	6878	--	--	--	--	--	--

STL LOS ANGELES

Précis

Metals Preparation

Batch: 0278301

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

Prepared By: [illegible] Date/Time Initiated: 10/5/00 / 1030

Reviewed By: [illegible] Date/Time Completed: [illegible] / 19:00

Hot Plate/Block # 1 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-091200-1	08/2002
2. QSPK1B	NA mL	QSKP1B-072000-1	07/2001
3. QSPK2A	[illegible] mL	QSPK2A 072000-1	04/2002
4. QSPK2B	[illegible] mL	QCAL6B-112299-1	05/2001

Reagents	Volume	Lot #
HNO_3	10.0 mL	6623 T09A058
H_2O_2	4.0 mL	001185
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.
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: [illegible] Date: 10/05/00 Received By: [illegible] Date: 10/05/00

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10/02/00

RQC057

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

Run Date: 10/05/00
Time: 20:56:44

BATCH NUMBER: **0278301**

PREP DATE: 10/04/00
DUE DATE 10/09/00

INITIALS: ET

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0J030150	DLFKJ	01	X 1.01 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/09/00			
	DLFKJS		1.00 g	_____g	_____g	_____g
	DLFKJD		1.01 g	_____g	_____g	_____g
E0J030233	DLGAH	01	X 1.01 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/09/00			
E0J030233	DLGAN	01	X 1.00 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/09/00			
E0J030233	DLGD4	01	X .99 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/09/00			
E0J030233	DLGD9	01	X 1.00g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/09/00			
E0J030233	DLGDE	01	X .99 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/09/00			
E0J030262	DLGPR	01	X 1.01 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J030262	DLGPV	01	X 1.00 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J030262	DLGQG	01	X .99 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J030262	DLGQJ	01	X 1.01 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040125	DLH33	01	X 1.00 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040125	DLH39	01	X 1.01 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040125	DLH3D	01	X 1.00 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040125	DLH3E	01	X .99 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			

RQC057

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

Run Date: 10/05/00
Time: 20:56:44

BATCH NUMBER: **0278301**

PREP DATE: 10/04/00
DUE DATE 10/09/00

INITIALS: EC

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0J040125	DLH3J	01	X 1.00 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040125	DLH3L	01	X 1.01 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040125	DLH3T	01	X .99 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040125	DLH47	01	X 1.00 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040000	DLHL8B	01	X 1.00 g	_____g	_____g	_____g
SOLID	DUE DATE:		0/00/00			
	DLHL8C		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 - 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 _____

RQC057

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

Run Date: 10/05/00
Time: 20:56:44

BATCH NUMBER: **0278301**

PREP DATE: 10/04/00
DUE DATE 10/09/00

INITIALS: _____

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: 0278311

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

Prepared By: [illegible]
Reviewed By: [illegible]

Date/Time Initiated: 10/5/001 1030
Date/Time Completed: 11 19:00

Hot Plate/Block # 1 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-091200-1	08/2002
2. QSPK1B	NA mL	QSKP1B-072000-1	07/2001
3. QSPK2A		QSPK2A 072000-1	04/2002
4. QSPK2B		QCAL6B-112299-1	05/2001

Reagents	Volume	Lot #
HNO_3	10.0 mL	6623 T09A058
H_2O_2	4.0 mL	001185
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.
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: [illegible] Date: 10/05/00 Received By: [illegible] Date: 10/05/00

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10/02/00

RQC057

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

Run Date: 10/06/00
Time: 11:37:12

BATCH NUMBER: **0278311**

PREP DATE: 10/04/00
DUE DATE 10/09/00

INITIALS: EI

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0J030150	DLFJ6	01	X 1.01 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/09/00			
E0J030150	DLFJ8	01	X 1.00 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/09/00			
E0J040125	DLH48	01	X 1.00 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
	DLH48S		1.01 g	_____g	_____g	_____g
	DLH48D		1.00 g	_____g	_____g	_____g
E0J040125	DLH4A	01	X 1.00 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040125	DLH4D	01	X 1.01 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040125	DLH4F	01	X .99 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040125	DLH4J	01	X 1.00 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040125	DLH5H	01	X 1.01 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040125	DLH5M	01	X 1.00 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040183	DLHHQ	01	X 1.01 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040183	DLHK5	01	X .99 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040000	DLHMDB	01	X 1.00 g	_____g	_____g	_____g
SOLID	DUE DATE:		0/00/00			
	DLHMDC		1.03 g	_____g	_____g	_____g

Add SCE - CSM 151

RQC057

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

Run Date: 10/06/00
Time: 11:37:12

BATCH NUMBER: **0278311**

PREP DATE: 10/04/00
DUE DATE 10/09/00 INITIALS: _____

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: _____
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	_____	_____	____	___	___