INITIAL CALIBRATION DATA

Date Analyzed: 10/19/00

Instrument ID: GC01

Diesel $C_{10} \rightarrow C_{24}$

BOE-C6-0174249

Turbochrom Method File : C:\TC4\DATA_01\METHODS\DBC10C24.MTH
Created by : ELVIE on : 11/1/99 01:41 PM
Edited by : ec on : 10/20/00 08:42 AM
Description :

Number of Times Edited : 77
Number of Times Calibrated : 577

GC01 Diesel $C_{10} \rightarrow C_{24}$

10/19/00
DBC10C24. Mth.
Average Cal factor - OK
Second source - OK

Processing Parameters :
Bunch Factor : 1 points
Noise Threshold : 50 µV
Area Threshold : 200.00 µV

Peak Separation Criteria
Width Ratio : 0.200
Valley-to-Peak Ratio : 0.010

Exponential Skim Criteria
Peak Height Ratio : 5.000
Adjusted Height Ratio : 4.000
Valley Height Ratio : 3.000

Baseline Timed Events :
Event #1 - -P at 0.131
Event #2 - +P at 3.025
Event #3 - +HF at 3.400
Event #4 - +I at 4.950
Event #5 - -I at 12.985
Event #6 - -HF at 13.101
Event #7 - S at 14.489
Event #8 - S at 14.617
Event #9 - -P at 19.000

Annotated Replot Parameters :
No replot will be printed

Report Format files :
No report format files given

User Programs :
User Program #1 : C:\TC4\DATA_01\RST_READ.EXE
Command Line : $RST
Entry Point : Post Analysis
Synchronize : NO

Global Information :
Default Sample Volume : 1.000 uL
Quantitation Units : ng
Void Time : 0.000 min
Correct amounts during calibration : YES

Reject outliers during calibration : NO
An External Standard calibration will be used
Unknown peaks will be quantitated using a response factor of 1.000000e+06

ponent Information :

DIESEL C10-C24

Component Type : Single Peak Component
Retention Time : 7.708 min Search Window: 40.00 s, 10.00 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 250.000000
Value 2: 5.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 1000.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	40.0000	334269.00	5216.17	----------	----------	1
2	100.0000	1063261.00	13650.75	----------	----------	1
3	1000.0000	10375782.00	115651.79	----------	----------	1
4	2000.0000	21666648.00	232684.35	----------	----------	1
5	5000.0000	54132749.00	545927.07	----------	----------	1

Average Calibration Factor = 10204.998160 (%RSD = 10.29)

BENZO-A-PYRENE

Component Type : Single Peak Component
Retention Time : 14.546 min Search Window: 5.00 s, 3.00 %
Reference Component:
Find largest peak in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 12.500000
Value 2: 0.250000
Value 3: 12.500000
Value 4: 0.250000
Value 5: 50.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	125744.00	72757.73	----------	----------	1
2	25.0000	331731.14	172015.96	----------	----------	1
3	50.0000	601695.31	366454.69	----------	----------	1
4	80.0000	1004191.20	567836.50	----------	----------	1
5	100.0000	1249645.00	608163.93	----------	----------	1

Average Calibration Factor = 12585.278374 (%RSD = 3.51)

Software Version: 4.1<2F12>
Sample Name : #TEPH00-129 SECOND SOURCE DIESEL STD Time : 10/20/00 08:42 AM
Sample Number: 1000 PPM Study : ICAL 10/19/00
(cator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/19/00 07:39 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Second source - good to use 10/20/00 EC

From Ext. lab diesel stock # 1560-2
Source - Union 76 Edwards Station

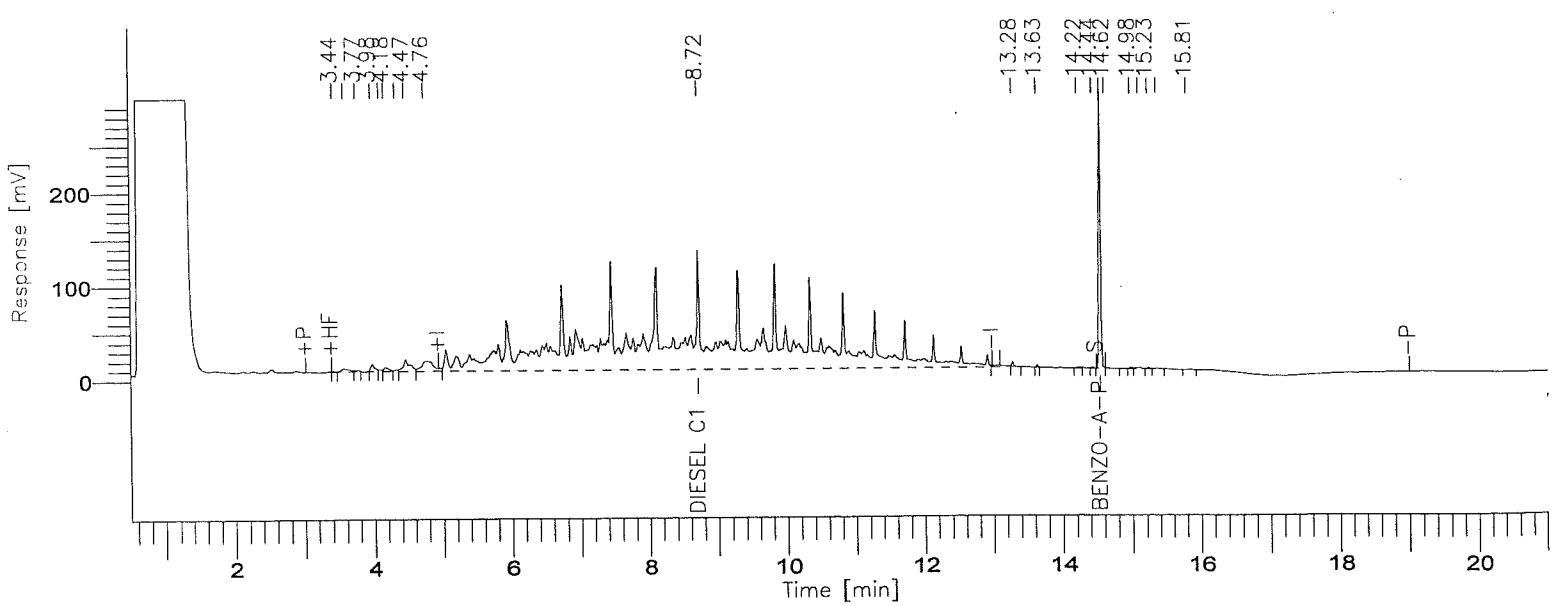
Raw Data File : C:\TC4\DATA_01\O19_016.RAW
Result File : C:\TC4\DATA_01\O19_016.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O19_016.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_01\O19.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
l tiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 21



000714

BOE-C6-0174252

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
3.435		452	0.0005	------	----------
3.588		22870	0.0229	------	----------
3.766		6257	0.0063	------	----------
3.982		30471	0.0305	------	----------
4.102		6226	0.0062	------	----------
4.179		19219	0.0192	------	----------
4.341		6486	0.0065	------	----------
4.469		82831	0.0828	------	----------
4.755		132747	0.1327	------	----------
8.719	DIESEL C10-C24	10109711	990.6627	1000.0	-0.93
13.283		8042	0.0080	------	----------
13.634		3638	0.0036	------	----------
14.219		2782	0.0028	------	----------
1.436		3114	0.0031	------	----------
14.548	BENZO-A-PYRENE	630056	50.0629	50.0	0.13
14.617		2444	0.0024	------	----------
14.984		3243	0.0032	------	----------
15.100		5113	0.0051	------	----------
15.234		2344	0.0023	------	----------
15.364		2457	0.0025	------	----------
15.805		1379	0.0014	------	----------
		11081882	1041.0678		

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O19_016.TX0

Software Version: 4.1<2F12>
Date: 10/20/00 08:40 AM
Sample Name : #TEPH00-175 DIESEL STD
.a File : C:\TC4\DATA_01\O19_011.RAW Date: 10/19/00 05:07 PM
Sequence File: C:\TC4\DATA_01\O19.SEQ Cycle: 11 Channel : A
Instrument : GC-FID-01 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

Updating method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calibration performed at level: 1
Values will replace previous averages in the method
Retention times in the method will be updated
Reported response values are the method averages.

Component	Retn Time	Vol Adj Amount	Adjusted Response	Calibration Factor	%RSD Time	# Reps	%RSD Amt	%RSD Resp	# Reps	CLT Code
DIESEL C10-C24	7.708	40.00000	334269.000000	8356.725000	7.32	5	------	------	1	0
BENZO-A-PYRENE	14.546	10.00000	125744.000000	12574.400000	0.05	5	------	------	1	0

Confidence Limits Test (CLT) Result Explanations:
0 = Insufficient data for outlier test (<3 replicates)
1 = Significant outlier (failed at 99.9% 2nd pass)
2 = Probable outlier (failed at 95% 1st pass, failed at 95% 2nd pass)
3 = Probable outlier (failed at 95% 1st pass, failed at 99.9% 1st pass)
4 = Probably not outlier (failed at 95% 1st pass, passed at 99.9% 1st pass)
5 = Not outlier (passed at 95% 1st pass)

Calibration Status:

Component	C0	C1	C2	C3	r^2	Status
DIESEL C10-C24	0.000000	10204.998160	----------	----------	--------	9
BENZO-A-PYRENE	0.000000	12585.278374	----------	----------	--------	9

Calibration Status Explanations:
1 = Component not calibrated: Rejected based on user criteria
2 = Component not calibrated: Was not found in peak/group list
3 = Component not calibrated: No ISTD specified in method
4 = Component not calibrated: ISTD was not found in peak list
5 = Component not calibrated: Uses constant calibration factor
6 = Component not calibrated: Uses calibration reference
7 = Component not calibrated: No calibration at this level
8 = Component not calibrated: Incomplete named group
9 = Component calibrated successfully

Software Version: 4.1<2F12>
Sample Name : #TEPH00-175 DIESEL STD
Sample Number: 40 PPM
Operator :

Time : 10/20/00 08:40 AM
Study : ICAL 10/19/00

Instrument : GC-FID-01
AutoSampler :
Rack/Vial : 0/0

Channel : A A/D mV Range : 1000

Interface Serial # : 2136574898 Data Acquisition Time: 10/19/00 05:07 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_01\O19_011.RAW
Result File : C:\TC4\DATA_01\O19_011.rst
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O19_011.r
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_01\O19.SEQ

Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

Noise Threshold: 50
Multiplier : 1.0000

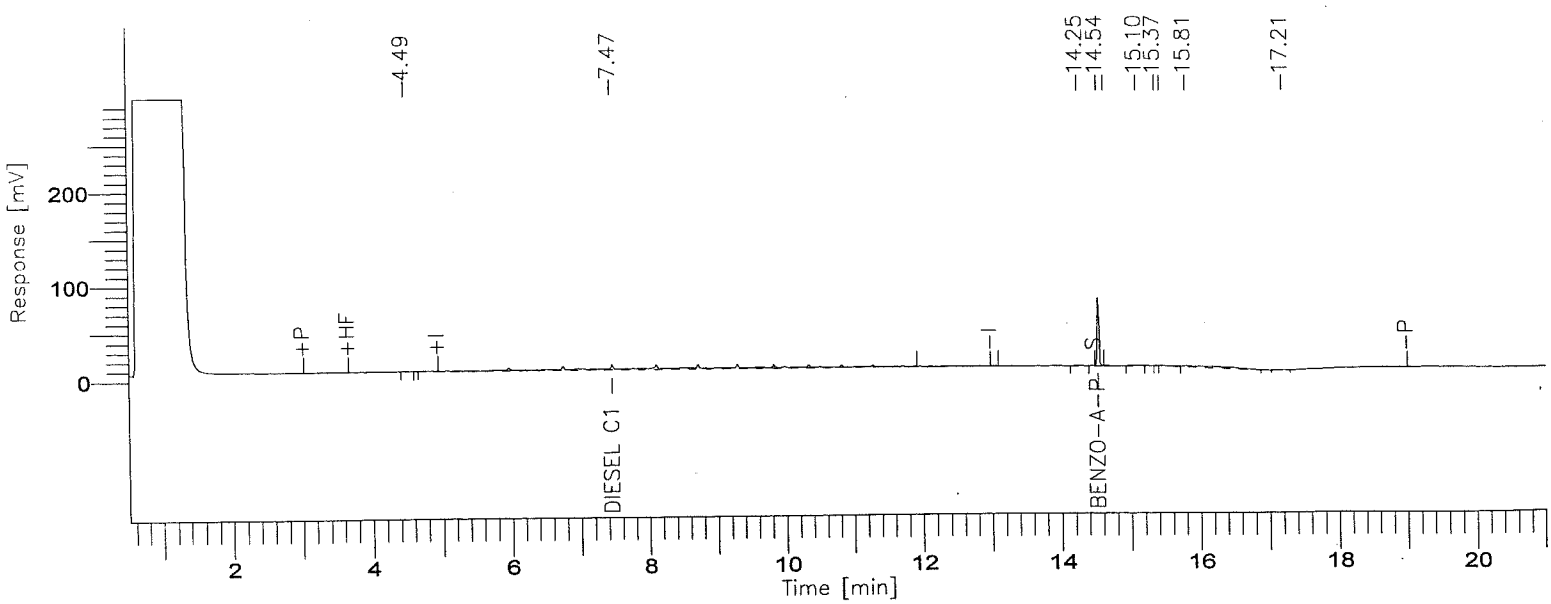
Area Threshold : 200
Divisor : 1.0000

Bunch Factor: 1
Addend : 0.0000

User1 : TPHDA
User2 :
User3 :
User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 10



000717

BOE-C6-0174255

8015B(TEPH)

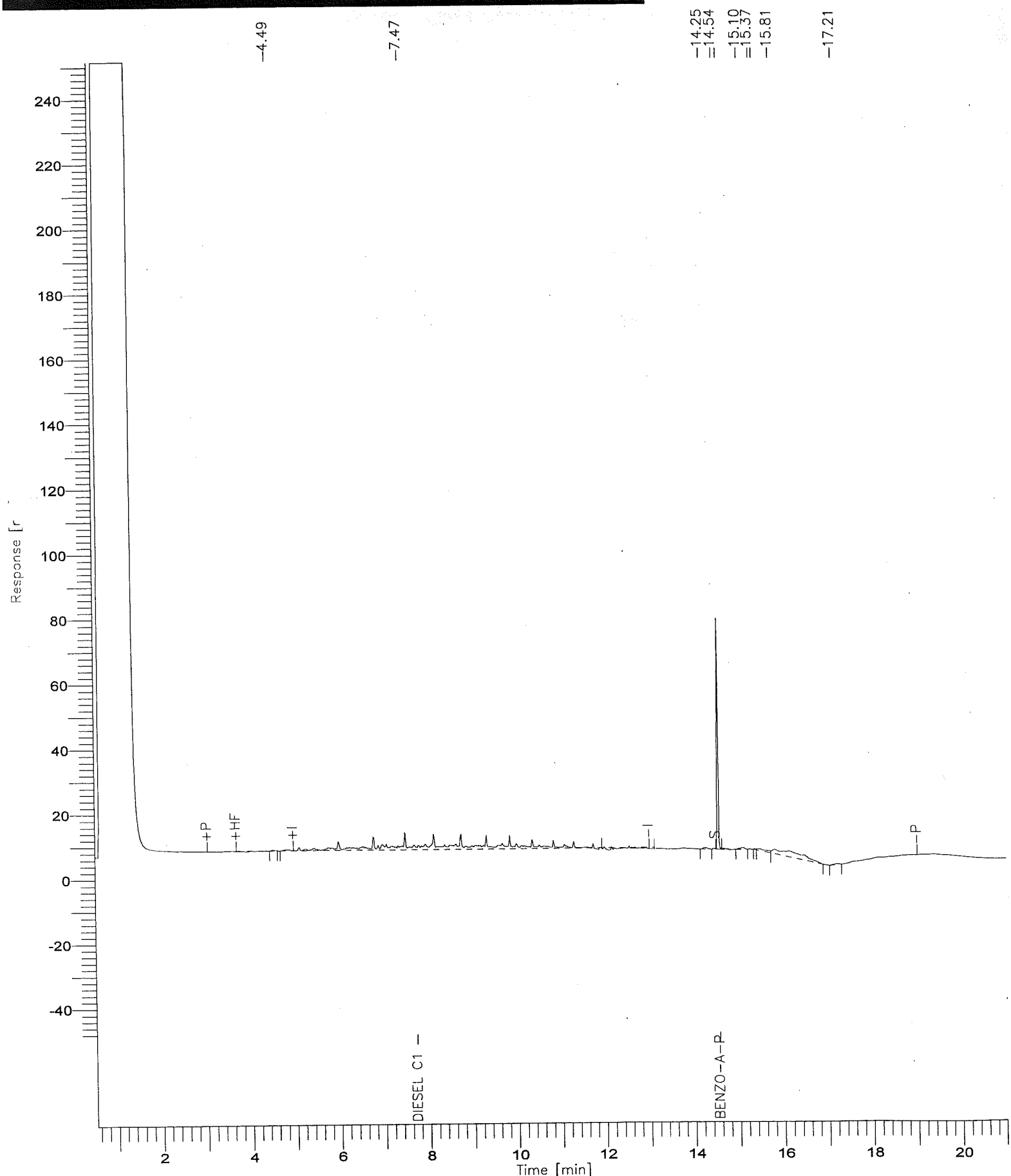
GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.47	DIESEL C10-C24	334269	32.755	------	10.0	
14.54	BENZO-A-PYRENE	125744	9.991	79.9	10.0	
		460013	42.747			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O19_011.TX0

[redacted]



000749

Software Version: 4.1<2F12>
Date: 10/20/00 08:31 AM
Sample Name : #TEPH00-176 DIESEL STD
a File : C:\TC4\DATA_01\O19_012.RAW Date: 10/19/00 05:38 PM
Sequence File: C:\TC4\DATA_01\O19.SEQ Cycle: 12 Channel : A
Instrument : GC-FID-01 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

Updating method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calibration performed at level: 2
Values will replace previous averages in the method
Retention times in the method will be updated
Reported response values are the method averages.

Component	Retn Time	Vol Adj Amount	Adjusted Response	Calibration Factor	%RSD Time	# Reps	%RSD Amt	%RSD Resp	# Reps	CLT Code
DIESEL C10-C24	7.818	100.00000	1063261.000000	10632.610000	5.16	5	------	------	1	0
BENZO-A-PYRENE	14.539	25.00000	331731.142857	13269.245714	0.02	2	------	------	1	0

Confidence Limits Test (CLT) Result Explanations:
0 = Insufficient data for outlier test (<3 replicates)
1 = Significant outlier (failed at 99.9% 2nd pass)
2 = Probable outlier (failed at 95% 1st pass, failed at 95% 2nd pass)
3 = Probable outlier (failed at 95% 1st pass, failed at 99.9% 1st pass)
4 = Probably not outlier (failed at 95% 1st pass, passed at 99.9% 1st pass)
5 = Not outlier (passed at 95% 1st pass)

Calibration Status:

Component	C0	C1	C2	C3	r^2	Status
DIESEL C10-C24	0.000000	8441.233440	----------	----------	--------	9
BENZO-A-PYRENE	0.000000	11452.013912	----------	----------	--------	9

Calibration Status Explanations:
1 = Component not calibrated: Rejected based on user criteria
2 = Component not calibrated: Was not found in peak/group list
3 = Component not calibrated: No ISTD specified in method
4 = Component not calibrated: ISTD was not found in peak list
5 = Component not calibrated: Uses constant calibration factor
6 = Component not calibrated: Uses calibration reference
7 = Component not calibrated: No calibration at this level
8 = Component not calibrated: Incomplete named group
9 = Component calibrated successfully

Software Version: 4.1<2F12>
Sample Name : #TEPH00-176 DIESEL STD Time : 10/20/00 08:31 AM
Sample Number: 100 PPM Study : ICAL 10/19/00
' rator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/19/00 05:38 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

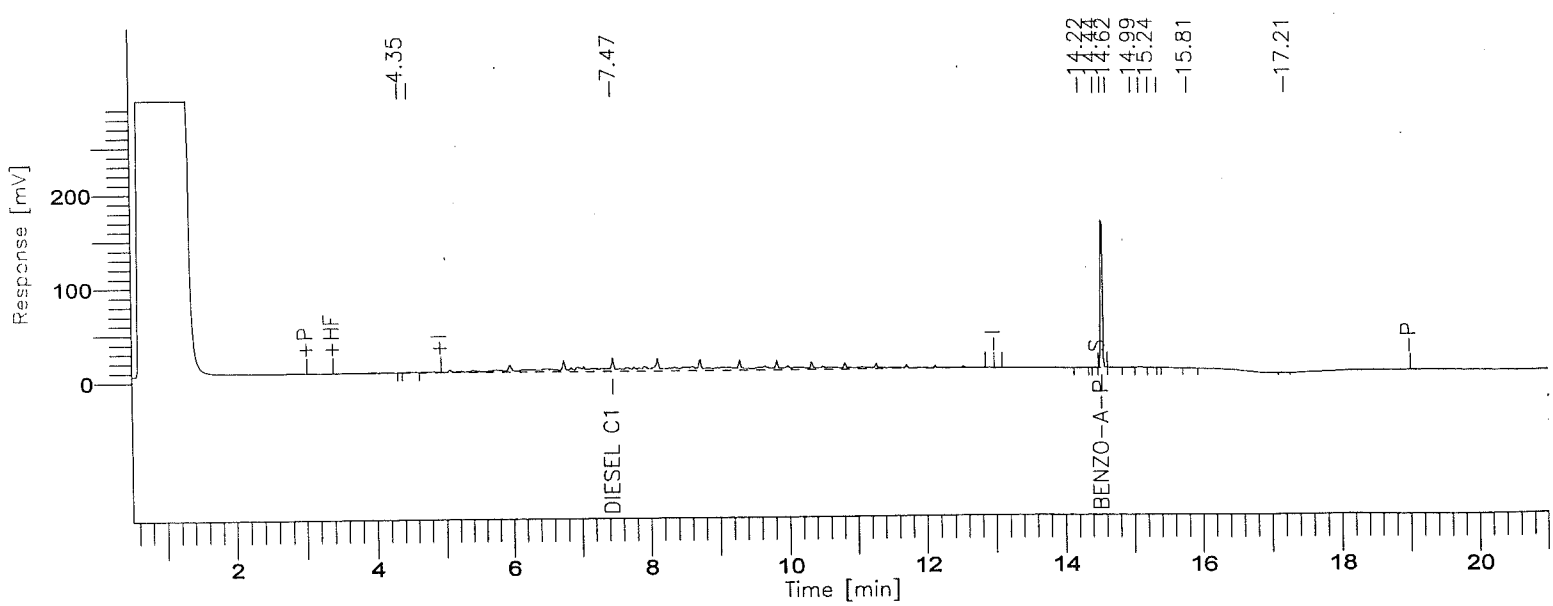
Raw Data File : C:\TC4\DATA_01\O19_012.RAW
Result File : C:\TC4\DATA_01\O19_012.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O19_012.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_01\O19.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
ltiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 13



000721

BOE-C6-0174259

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.47	DIESEL C10-C24	1063261	125.960	------	10.0	
14.54	BENZO-A-PYRENE	331731	28.967	231.7	10.0	
		1394992	154.927			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O19_012.TX0

Software Version: 4.1<2F12>
Date: 10/20/00 08:31 AM
Sample Name : #TEPH00-178 DIESEL STD
ta File : C:\TC4\DATA_01\O19_013.RAW Date: 10/19/00 06:08 PM
Sequence File: C:\TC4\DATA_01\O19.SEQ Cycle: 13 Channel : A
Instrument : GC-FID-01 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

Updating method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calibration performed at level: 3
Values will replace previous averages in the method
Retention times in the method will be updated
Reported response values are the method averages.

Component	Retn Time	Vol Adj Amount	Adjusted Response	Calibration Factor	%RSD Time	# Reps	%RSD Amt	%RSD Resp	# Reps	CLT Code
DIESEL C10-C24	7.778	1000.00000	1.03757820e+07	10375.782000	5.57	5	------	------	1	0
BENZO-A-PYRENE	14.542	50.00000	601695.307692	12033.906154	0.04	3	------	------	1	0

Confidence Limits Test (CLT) Result Explanations:
0 = Insufficient data for outlier test (<3 replicates)
1 = Significant outlier (failed at 99.9% 2nd pass)
2 = Probable outlier (failed at 95% 1st pass, failed at 95% 2nd pass)
3 = Probable outlier (failed at 95% 1st pass, failed at 99.9% 1st pass)
4 = Probably not outlier (failed at 95% 1st pass, passed at 99.9% 1st pass)
5 = Not outlier (passed at 95% 1st pass)

Calibration Status:

Component	C0	C1	C2	C3	r^2	Status
DIESEL C10-C24	0.000000	8928.283440	----------	----------	--------	9
BENZO-A-PYRENE	0.000000	11749.408374	----------	----------	--------	9

Calibration Status Explanations:
1 = Component not calibrated: Rejected based on user criteria
2 = Component not calibrated: Was not found in peak/group list
3 = Component not calibrated: No ISTD specified in method
4 = Component not calibrated: ISTD was not found in peak list
5 = Component not calibrated: Uses constant calibration factor
6 = Component not calibrated: Uses calibration reference
7 = Component not calibrated: No calibration at this level
8 = Component not calibrated: Incomplete named group
9 = Component calibrated successfully

Software Version: 4.1<2F12>
Sample Name : #TEPH00-178 DIESEL STD
Sample Number: 1000 PPM
O :ator :

Time : 10/20/00 08:31 AM
Study : ICAL 10/19/00

Instrument : GC-FID-01
AutoSampler :
Rack/Vial : 0/0

Channel : A A/D mV Range : 1000

Interface Serial # : 2136574898 Data Acquisition Time: 10/19/00 06:08 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_01\O19_013.RAW
Result File : C:\TC4\DATA_01\O19_013.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O19_013.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_01\O19.SEQ

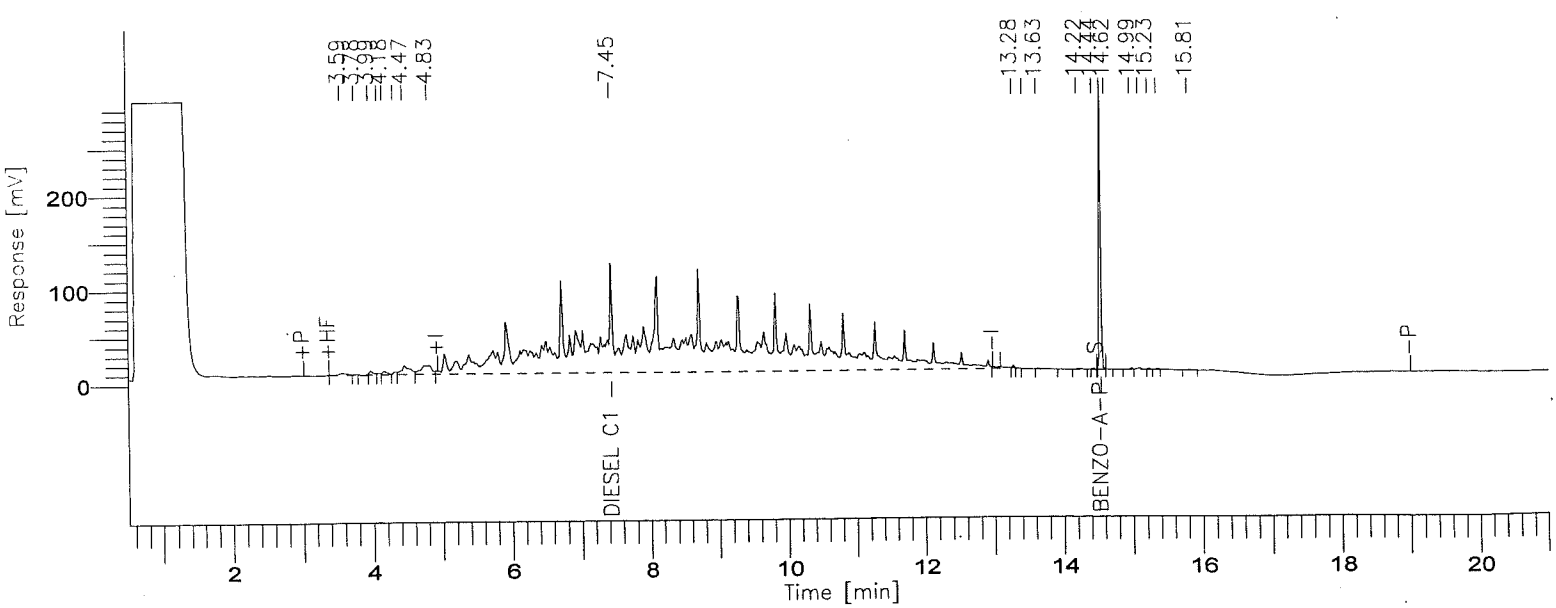
Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

Noise Threshold: 50
Area Threshold : 200
Bunch Factor: 1
I tiplier : 1.0000
Divisor : 1.0000
Addend : 0.0000
User1 : TPHDA
User2 :
User3 :
User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 21



000724

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.45	DIESEL C10-C24	10375782	1162.125	------	10.0	
14.55	BENZO-A-PYRENE	601695	51.211	409.7	10.0	
		10977477	1213.336			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O19_013.TX0

Software Version: 4.1<2F12>
Date: 10/20/00 08:31 AM
Sample Name : #TEPH00-179 DIESEL STD
Data File : C:\TC4\DATA_01\019_014.RAW Date: 10/19/00 06:38 PM
Sequence File: C:\TC4\DATA_01\019.SEQ Cycle: 14 Channel : A
Instrument : GC-FID-01 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

Updating method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calibration performed at level: 4
Values will replace previous averages in the method
Retention times in the method will be updated
Reported response values are the method averages.

Component	Retn Time	Vol Adj Amount	Adjusted Response	Calibration Factor	%RSD Time	# Reps	%RSD Amt	%RSD Resp	# Reps	CLT Code
DIESEL C10-C24	7.868	2000.00000	2.16666480e+07	10833.324000	7.38	5	------	------	1	0
BENZO-A-PYRENE	14.544	80.00000	1004191.200000	12552.390000	0.04	4	------	------	1	0

Confidence Limits Test (CLT) Result Explanations:
0 = Insufficient data for outlier test (<3 replicates)
1 = Significant outlier (failed at 99.9% 2nd pass)
2 = Probable outlier (failed at 95% 1st pass, failed at 95% 2nd pass)
3 = Probable outlier (failed at 95% 1st pass, failed at 99.9% 1st pass)
4 = Probably not outlier (failed at 95% 1st pass, passed at 99.9% 1st pass)
5 = Not outlier (passed at 95% 1st pass)

Calibration Status:

Component	C0	C1	C2	C3	r^2	Status
DIESEL C10-C24	0.000000	9433.973040	----------	----------	--------	9
BENZO-A-PYRENE	0.000000	12155.506374	----------	----------	--------	9

Calibration Status Explanations:
1 = Component not calibrated: Rejected based on user criteria
2 = Component not calibrated: Was not found in peak/group list
3 = Component not calibrated: No ISTD specified in method
4 = Component not calibrated: ISTD was not found in peak list
5 = Component not calibrated: Uses constant calibration factor
6 = Component not calibrated: Uses calibration reference
7 = Component not calibrated: No calibration at this level
8 = Component not calibrated: Incomplete named group
9 = Component calibrated successfully

Software Version: 4.1<2F12>
Sample Name : #TEPH00-179 DIESEL STD Time : 10/20/00 08:31 AM
Sample Number: 2000 PPM Study : ICAL 10/19/00
C rator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/19/00 06:38 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

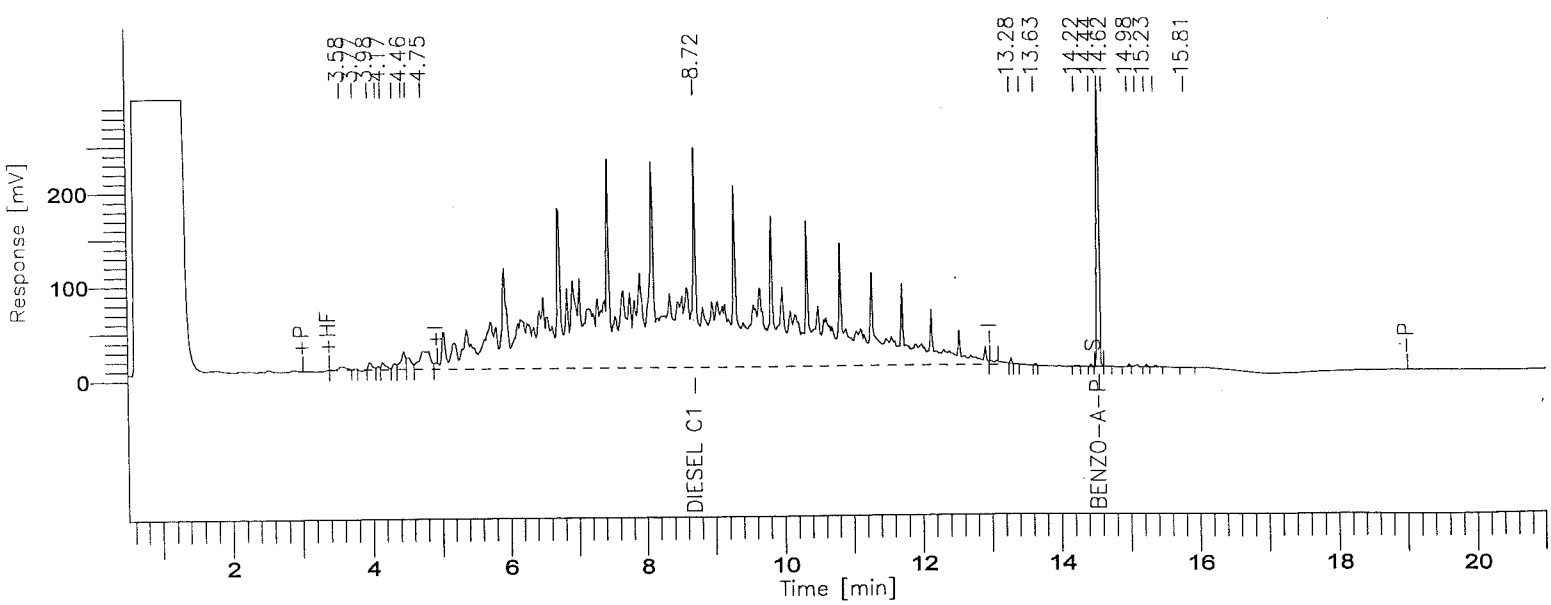
Raw Data File : C:\TC4\DATA_01\O19_014.RAW
Result File : C:\TC4\DATA_01\O19_014.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O19_014.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_01\O19.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
ltiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 22



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.72	DIESEL C10-C24	21666648	2296.662	------	10.0	
14.55	BENZO-A-PYRENE	1004191	82.612	660.9	10.0	
		22670839	2379.274			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O19_014.TXO

Software Version: 4.1<2F12>
Date: 10/20/00 08:31 AM
Sample Name : #TEPH00-181 DIESEL STD
Data File : C:\TC4\DATA_01\O19_015.RAW Date: 10/19/00 07:08 PM
Sequence File: C:\TC4\DATA_01\O19.SEQ Cycle: 15 Channel : A
Instrument : GC-FID-01 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

Updating method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calibration performed at level: 5
Values will replace previous averages in the method
Retention times in the method will be updated
Reported response values are the method averages.

Component	Retn Time	Vol Adj Amount	Adjusted Response	Calibration Factor	%RSD Time	# Reps	%RSD Amt	%RSD Resp	# Reps	CLT Code
DIESEL C10-C24	7.708	5000.00000	5.41327490e+07	10826.549800	7.32	5	------	------	1	0
BENZO-A-PYRENE	14.546	100.00000	1249645.000000	12496.450000	0.05	5	------	------	1	0

Confidence Limits Test (CLT) Result Explanations:
0 = Insufficient data for outlier test (<3 replicates)
1 = Significant outlier (failed at 99.9% 2nd pass)
2 = Probable outlier (failed at 95% 1st pass, failed at 95% 2nd pass)
3 = Probable outlier (failed at 95% 1st pass, failed at 99.9% 1st pass)
4 = Probably not outlier (failed at 95% 1st pass, passed at 99.9% 1st pass)
5 = Not outlier (passed at 95% 1st pass)

Calibration Status:

Component	C0	C1	C2	C3	r^2	Status
DIESEL C10-C24	0.000000	10174.428160	----------	----------	--------	9
BENZO-A-PYRENE	0.000000	12585.298374	----------	----------	--------	9

Calibration Status Explanations:
1 = Component not calibrated: Rejected based on user criteria
2 = Component not calibrated: Was not found in peak/group list
3 = Component not calibrated: No ISTD specified in method
4 = Component not calibrated: ISTD was not found in peak list
5 = Component not calibrated: Uses constant calibration factor
6 = Component not calibrated: Uses calibration reference
7 = Component not calibrated: No calibration at this level
8 = Component not calibrated: Incomplete named group
9 = Component calibrated successfully

Software Version: 4.1<2F12>
Sample Name : #TEPH00-181 DIESEL STD Time : 10/20/00 08:31 AM
Sample Number: 5000 PPM Study : ICAL 10/19/00
C rator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/19/00 07:08 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

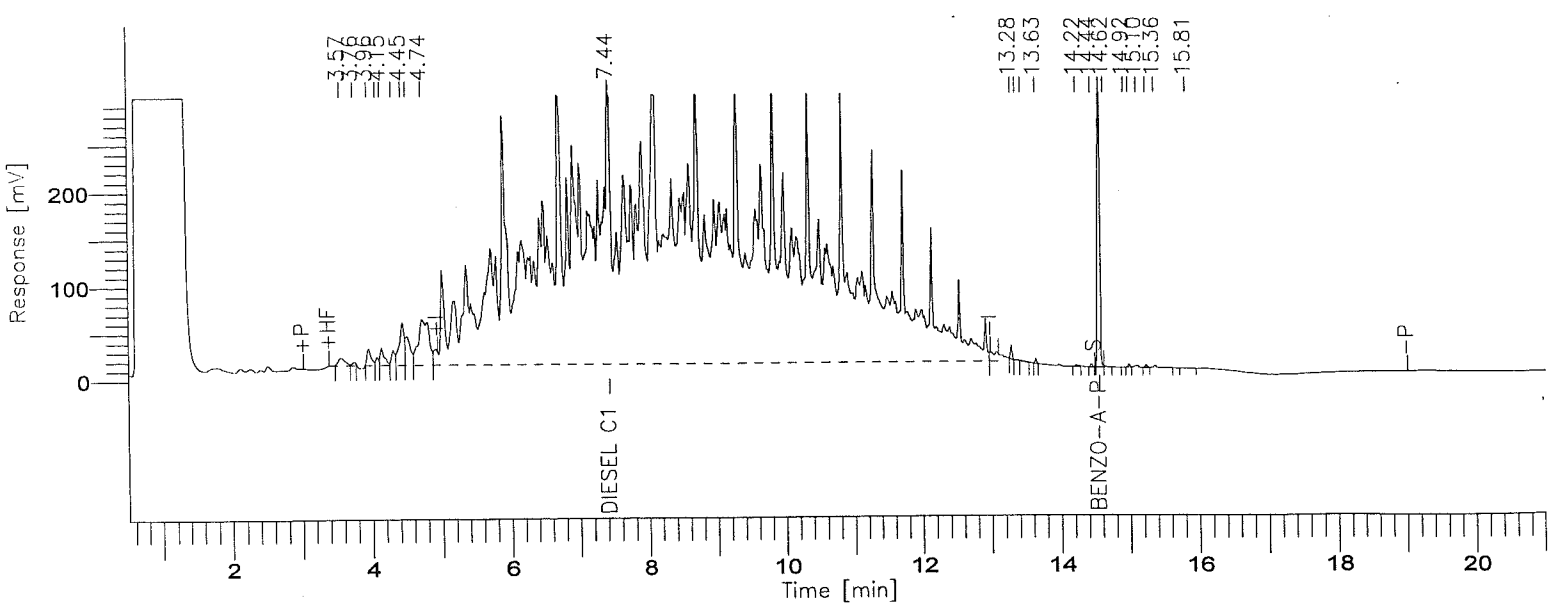
Raw Data File : C:\TC4\DATA_01\O19_015.RAW
Result File : C:\TC4\DATA_01\O19_015.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O19_015.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_01\O19.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
tiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 24



000730

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.43	DIESEL C10-C24	54132749	5320.471	------	10.0	
14.55	BENZO-A-PYRENE	1249645	99.294	794.4	10.0	
		55382394	5419.765			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O19_015.TX0

Software Version: 4.1<2F12>
Sample Name : DAILY RT MAKER
Sample Number: C8-C40
Operator :

Time : 10/20/00 08:31 AM
Study : ICAL 8/28/00

Instrument : GC-FID-01
AutoSampler :
Rack/Vial : 0/0

Channel : A A/D mV Range : 1000

Interface Serial # : 2136574898 Data Acquisition Time: 10/19/00 04:37 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_01\O19_010.RAW
Result File : C:\TC4\DATA_01\O19_010.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O19_010.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_01\O19.SEQ

Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

Noise Threshold: 50
Multiplier : 1.0000

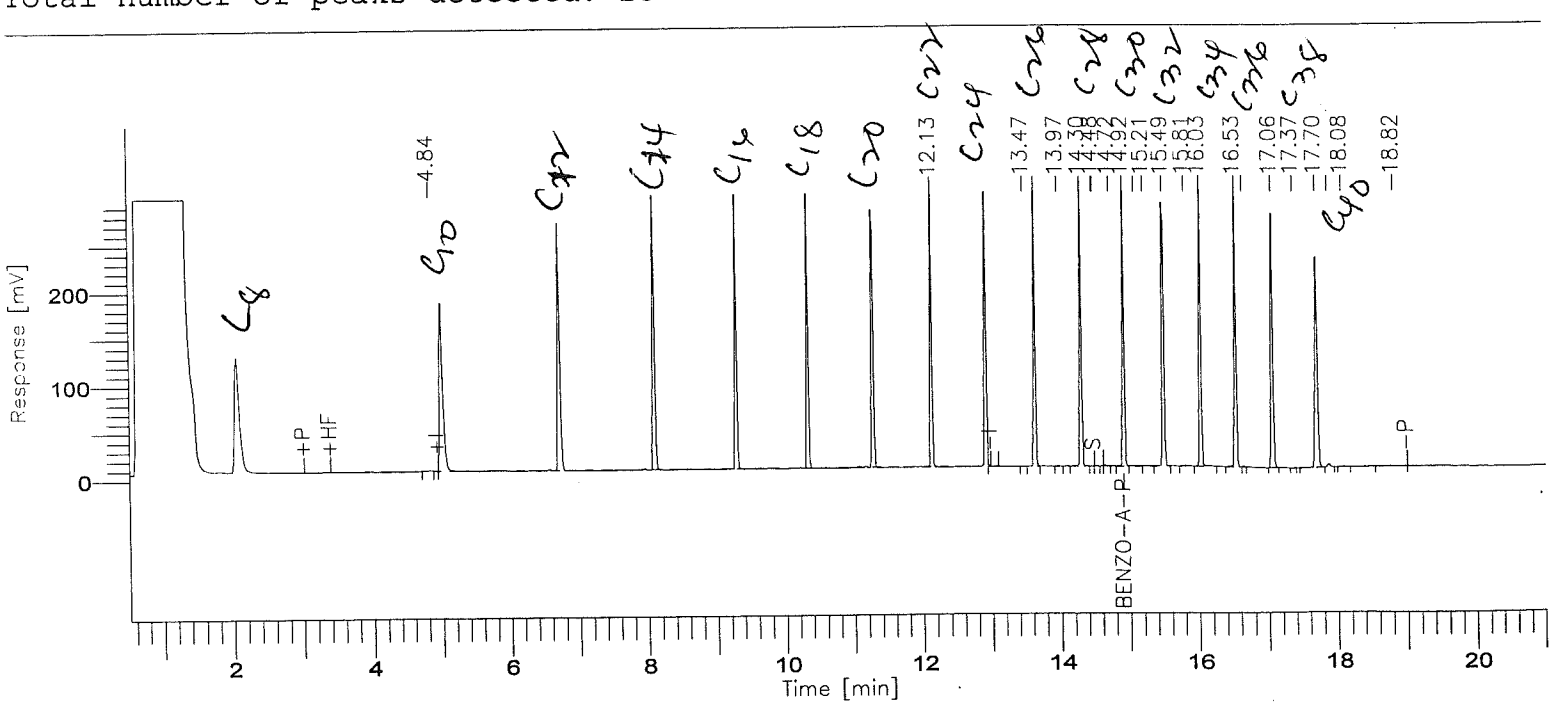
Area Threshold : 200
Divisor : 1.0000

Bunch Factor: 1
Addend : 0.0000

User1 : TPHDA
User2 :
User3 :
User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 23



000732

BOE-C6-0174270

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
7.98	DIESEL C10-C24	0	0.0000	------	1.0	
14.92	BENZO-A-PYRENE	580471	17.3429	6937.2	1.0	
		580471	17.3429			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O19_010.TX0

Turbochrom Sequence File : C:\TC4\DATA_01\O19.SEQ
Created by : doug on : 10/18/00 05:45 PM
Edited by : EC on : 10/20/00 08:29 AM
;cription :

Number of Times Edited : 9

Sequence File Header Information:

Number of Rows : 159
Instrument Type : 760 / 900 Series Intelligent Interface
Injection Type : SINGLE

Sequence Sample Descriptions - Channel A

Row	Type	Sample Name	Sample Number	Study Name	Sample Amount	ISTD Amount	Sample Volume	Dil. Factor	Mult	Divisor	Addend	Norm. factor
1	Sample	MECL2	MECL2	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
2	Sample	DAILY RT MAKER	C8-C40	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
3	Cal:Replace	#TEPH00-175 DIE	40 PPM	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
4	Sample	MECL2	MECL2	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
5	Sample	MECL2	MECL2	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
6	Sample	DAILY RT MAKER	C8-C40	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
7	Cal:Replace	#TEPH00-176 DIE	100 PPM	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
8	Cal:Replace	#TEPH00-178 DIE	1000 PPM	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
9	Cal:Replace	#TEPH00-179 DIE	2000 PPM	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
10	Sample	DAILY RT MAKER	C8-C40	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
11	Cal:Replace	#TEPH00-175 DIE	40 PPM	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
12	Cal:Replace	#TEPH00-176 DIE	100 PPM	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
13	Cal:Replace	#TEPH00-178 DIE	1000 PPM	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
14	Cal:Replace	#TEPH00-179 DIE	2000 PPM	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
15	Cal:Replace	#TEPH00-181 DIE	5000 PPM	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
16	Std Check	#TEPH00-129 SEC	1000 PPM	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
17	Std Check	#TEPH00-167 RT	30 PPM	ICAL 10/3/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
18	Sample	272-MB	DM1DP1AAB	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
19	Sample	272-LCS	DM1DP1ACC	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
20	Sample	272-01	DLW5C102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
21	Sample	272-01 MS	DLW5C11US	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
22	Sample	271-01 MSD	DLW5C11VD	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
23	Sample	272-03	DLW5M102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
24	Sample	272-04	DLW5N102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
25	Sample	272-08	DLW60102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
26	Sample	272-09	DLW62102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
27	Sample	272-10	DLW63102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
28	Std Check	#TEPH00-178 DIE	1000 PPM	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
29	Std Check	#TEPH00-167 RT	30 PPM	ICAL 10/3/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
30	Sample	272-11	DLW65102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
31	Sample	272-12	DLW69102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
32	Sample	272-13	DLW6C102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
33	Sample	272-14	DLW6D102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
34	Sample	272-15	DLW6E102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
35	Sample	272-16	DLW6F102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
36	Sample	272-17	DLW6G102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
37	Sample	272-18	DLW6J102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
38	Sample	272-19	DLW6L102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
39	Sample	272-20	DLW6M102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
40	Sample	272-21	DLW6P102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
41	Std Check	#TEPH00-178 DIE	1000 PPM	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
42	Std Check	#TEPH00-167 RT	30 PPM	ICAL 10/3/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
43	Sample	326-02	DLW5M102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
44	Sample	326-02 MS	DLW5M102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
45	Sample	326-02 MSD	DLW5M102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
46	Std Check	#TEPH00-178 DIE	1000 PPM	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
47	Std Check	#TEPH00-167 RT	30 PPM	ICAL 10/3/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
48	Sample	272-03	DLW5M102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
49	Sample	272-12	DLW69102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
50	Sample	272-19	DLW6L102	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
1	Sample	274-MB	DM1D01AAB	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
52	Sample	274-LCS	DM1D-1ACC	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
53	Sample	274-26	DLW7L101	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
54	Sample	274-26 MS	DLW7L104S	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
55	Sample	274-26 MSD	DLW7L105D	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
56	Sample	274-27	DLW7P101	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
57	Sample	274-28	DLW7Q101	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
58	Std Check	#TEPH00-178 DIE	1000 PPM	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
59	Std Check	#TEPH00-167 RT	30 PPM	ICAL 10/3/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
60	Sample	274-29	DLW7T101	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000

INITIAL CALIBRATION DATA

Date Analyzed: 10-28-00

Instrument ID: GC01

C8 → C40+

Turbochrom Method File : C:\TC4\DATA_01\METHODS\C8-C40A.MTH
Created by : ELVIE on : 6/8/00 12:53 PM
Edited by : ec on : 10/29/00 09:57 AM
ɔcription :

Number of Times Edited : 35
Number of Times Calibrated : 599

GC01 C-Chain C8 → C40

102800

Average Cal factor - OK
No surrogate added

Processing Parameters :
Bunch Factor : 1 points
Noise Threshold : 50 µV
Area Threshold : 200.00 µV

Peak Separation Criteria
Width Ratio : 0.200
Valley-to-Peak Ratio : 0.010

Exponential Skim Criteria
Peak Height Ratio : 5.000
Adjusted Height Ratio : 4.000
Valley Height Ratio : 3.000

Baseline Timed Events :
Event #1 - -P at 0.131
Event #2 - +P at 1.500
Event #3 - -P at 23.390

Annotated Replot Parameters :
No replot will be printed

Report Format files :
No report format files given

User Programs :
User Program #1 : C:\TC4\DATA_01\RST_READ.EXE
Command Line : $RST
Entry Point : Post Analysis
Synchronize : NO

Global Information :
Default Sample Volume : 1.000 uL
Quantitation Units : ng
Void Time : 0.000 min
Correct amounts during calibration : YES
Reject outliers during calibration : NO
An External Standard calibration will be used
Unknown peaks will be quantitated using a response factor of 1.000000e+06

Component Information :
C8-C9

000736

Component Type : Timed Group
Start Time : 2.005 min End Time : 4.965 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 250.000000
Value 2: 5.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 30.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	129864.00	27956.37	----------	----------	1
2	20.0000	249324.00	52047.02	----------	----------	1
3	30.0000	365868.00	76418.04	----------	----------	1
4	40.0000	499131.00	103800.92	----------	----------	1
5	50.0000	643786.00	132248.79	----------	----------	1

Average Calibration Factor = 12600.439000 (%RSD = 2.58) OK

C10-C11
Component Type : Timed Group
Start Time : 4.966 min End Time : 6.675 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 250.000000
Value 2: 5.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 30.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	135897.10	42716.50	----------	----------	1
2	20.0000	259895.50	79519.14	----------	----------	1
3	30.0000	383530.53	113657.66	----------	----------	1
4	40.0000	519136.50	146761.66	----------	----------	1
5	50.0000	670024.00	190839.55	----------	----------	1

Average Calibration Factor = 13149.545722 (%RSD = 2.53) OK

C12-C13
Component Type : Timed Group
Start Time : 6.676 min End Time : 8.063 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 250.000000
Value 2: 5.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 30.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	133879.90	57439.74	----------	----------	1
2	20.0000	255570.06	112080.46	----------	----------	1

3	30.0000	379072.97	157068.82	----------	----------	1
4	40.0000	513839.91	195931.43	----------	----------	1
5	50.0000	658757.78	277005.87	----------	----------	1

Average Calibration Factor = 12964.682334 (%RSD = 2.38) OK

C14-C15

Component Type : Timed Group
Start Time : 8.064 min End Time : 9.247 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 250.000000
Value 2: 5.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 30.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	132242.50	73849.04	----------	----------	1
2	20.0000	249829.94	124680.02	----------	----------	1
3	30.0000	369701.50	177699.19	----------	----------	1
4	40.0000	503019.38	258763.32	----------	----------	1
5	50.0000	643679.60	346446.88	----------	----------	1

Average Calibration Factor = 12697.641411 (%RSD = 2.80) OK

C16-C17

Component Type : Timed Group
Start Time : 9.248 min End Time : 10.291 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 250.000000
Value 2: 5.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 30.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	128537.00	67532.92	----------	----------	1
2	20.0000	245592.67	124233.93	----------	----------	1
3	30.0000	366192.63	201254.53	----------	----------	1
4	40.0000	493306.71	287597.65	----------	----------	1
5	50.0000	628721.46	364382.60	----------	----------	1

Average Calibration Factor = 12449.370282 (%RSD = 2.13) OK

C18-C19

Component Type : Timed Group
Start Time : 10.292 min End Time : 11.232 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 250.000000
Value 2: 5.000000
Value 3: 0.000000

Value 4: 0.000000
Value 5: 30.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	129571.00	75156.64	----------	----------	1
2	20.0000	242578.33	144325.43	----------	----------	1
3	30.0000	362618.37	220798.56	----------	----------	1
4	40.0000	492485.50	295121.35	----------	----------	1
5	50.0000	623874.66	368196.60	----------	----------	1

Average Calibration Factor = 12392.585251 (%RSD = 2.84) OK

C20-C23

Component Type : Timed Group
Start Time : 11.233 min End Time : 12.871 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 250.000000
Value 2: 5.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 30.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	250500.00	152091.96	----------	----------	1
2	20.0000	473849.00	281593.03	----------	----------	1
3	30.0000	706992.18	408709.24	----------	----------	1
4	40.0000	954410.50	537206.47	----------	----------	1
5	50.0000	1214066.50	680645.33	----------	----------	1

Average Calibration Factor = 24090.089676 (%RSD = 2.49) OK

C24-C27

Component Type : Timed Group
Start Time : 12.872 min End Time : 14.257 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 250.000000
Value 2: 5.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 30.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	247234.00	156545.85	----------	----------	1
2	20.0000	470037.50	296387.44	----------	----------	1
3	30.0000	705705.32	439878.43	----------	----------	1
4	40.0000	954255.00	592150.44	----------	----------	1
5	50.0000	1211136.00	734254.90	----------	----------	1

Average Calibration Factor = 23965.576157 (%RSD = 2.15) OK

C28-C31

Component Type : Timed Group
Start Time : 14.258 min End Time : 15.447 min
Reference Component:

Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 250.000000
Value 2: 5.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 30.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	247460.00	154096.52	----------	----------	1
2	20.0000	471768.50	290756.01	----------	----------	1
3	30.0000	711604.00	437081.64	----------	----------	1
4	40.0000	959183.00	584078.81	----------	----------	1
5	50.0000	1215681.00	734890.86	----------	----------	1

Average Calibration Factor = 24069.550667 (%RSD = 1.95) OK

C32-C35
Component Type : Timed Group
Start Time : 15.448 min End Time : 16.487 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 250.000000
Value 2: 5.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 30.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	230242.50	126012.15	----------	----------	1
2	20.0000	423595.50	233836.20	----------	----------	1
3	30.0000	712753.50	389063.08	----------	----------	1
4	40.0000	907174.00	504110.10	----------	----------	1
5	50.0000	1166008.50	646847.32	----------	----------	1

Average Calibration Factor = 22792.399000 (%RSD = 4.32) OK

C36-C39
Component Type : Timed Group
Start Time : 16.488 min End Time : 17.647 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 250.000000
Value 2: 5.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 30.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	193042.50	106456.61	----------	----------	1
2	20.0000	347704.00	191443.92	----------	----------	1
3	30.0000	718233.50	394449.62	----------	----------	1
4	40.0000	827428.50	453704.51	----------	----------	1
5	50.0000	1095613.00	605652.04	----------	----------	1

Average Calibration Factor = 20645.707833 (%RSD = 12.08) ok

C40+

Component Type : Timed Group
Start Time : 17.648 min End Time : 21.000 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 250.000000
Value 2: 5.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 30.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	89291.00	36090.15	----------	----------	1
2	20.0000	162957.00	65282.09	----------	----------	1
3	30.0000	349972.50	141912.47	----------	----------	1
4	40.0000	397552.00	160557.59	----------	----------	1
5	50.0000	530229.50	214665.47	----------	----------	1

Average Calibration Factor = 9857.218000 (%RSD = 14.00) ok

Software Version: 4.1<2F12>
Date: 10/29/00 09:45 AM
Sample Name : TEPH00-165 RT MARKER C8-C40
I a File : C:\TC4\DATA_01\O28_011.RAW Date: 10/28/00 04:43 PM
Sequence File: C:\TC4\DATA_01\O28.SEQ Cycle: 11 Channel : A
Instrument : GC-FID-01 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

Updating method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calibration performed at level: 1
Values will replace previous averages in the method
Retention times in the method will be updated
Reported response values are the method averages.

Component	Retn Time	Vol Adj Amount	Adjusted Response	Calibration Factor	%RSD Time	# Reps	%RSD Amt	%RSD Resp	# Reps	CLT Code
C8-C9	3.485	10.00000	129864.000000	12986.400000	------	1	------	------	1	0
C10-C11	5.820	10.00000	135897.100000	13589.710000	------	1	------	------	1	0
C12-C13	7.370	10.00000	133879.900000	13387.990000	------	1	------	------	1	0
C14-C15	8.655	10.00000	132242.500000	13224.250000	------	1	------	------	1	0
C16-C17	9.770	10.00000	128537.000000	12853.700000	------	1	------	------	1	0
C18-C19	10.762	10.00000	129571.000000	12957.100000	------	1	------	------	1	0
[illegible]23	12.052	10.00000	250500.000000	25050.000000	------	1	------	------	1	0
[illegible]C27	13.564	10.00000	247234.000000	24723.400000	------	1	------	------	1	0
C28-C31	14.852	10.00000	247460.000000	24746.000000	------	1	------	------	1	0
C32-C35	15.968	10.00000	230242.500000	23024.250000	------	1	------	------	1	0
C36-C39	17.068	10.00000	193042.500000	19304.250000	------	1	------	------	1	0
C40+	19.324	10.00000	89291.000000	8929.100000	------	1	------	------	1	0

Confidence Limits Test (CLT) Result Explanations:
- 0 = Insufficient data for outlier test (<3 replicates)
- 1 = Significant outlier (failed at 99.9% 2nd pass)
- 2 = Probable outlier (failed at 95% 1st pass, failed at 95% 2nd pass)
- 3 = Probable outlier (failed at 95% 1st pass, failed at 99.9% 1st pass)
- 4 = Probably not outlier (failed at 95% 1st pass, passed at 99.9% 1st pass)
- 5 = Not outlier (passed at 95% 1st pass)

Calibration Status:

Component	C0	C1	C2	C3	r^2	Status
C8-C9	0.000000	12600.439000	----------	----------	--------	9
C10-C11	0.000000	13149.545722	----------	----------	--------	9
C12-C13	0.000000	12964.682334	----------	----------	--------	9
C14-C15	0.000000	12671.421828	----------	----------	--------	9
C16-C17	0.000000	12475.589864	----------	----------	--------	9
C18-C19	0.000000	12392.585251	----------	----------	--------	9
C20-C23	0.000000	24086.705167	----------	----------	--------	9
C24-C27	0.000000	23968.960667	----------	----------	--------	9
C28-C31	0.000000	24069.550667	----------	----------	--------	9
-C35	0.000000	22792.399000	----------	----------	--------	9
-C39	0.000000	20645.707833	----------	----------	--------	9
C40+	0.000000	9857.218000	----------	----------	--------	9

Calibration Status Explanations:
- 1 = Component not calibrated: Rejected based on user criteria
- 2 = Component not calibrated: Was not found in peak/group list

3 = Component not calibrated: No ISTD specified in method
4 = Component not calibrated: ISTD was not found in peak list
5 = Component not calibrated: Uses constant calibration factor
6 = Component not calibrated: Uses calibration reference
7 = Component not calibrated: No calibration at this level
8 = Component not calibrated: Incomplete named group
9 = Component calibrated successfully

Software Version: 4.1<2F12>
Sample Name : TEPH00-165 RT MARKER C8-C40 Time : 10/29/00 09:45 AM
Sample Number: 10 PPM Study : ICAL 10/28/00
(rator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/28/00 04:43 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

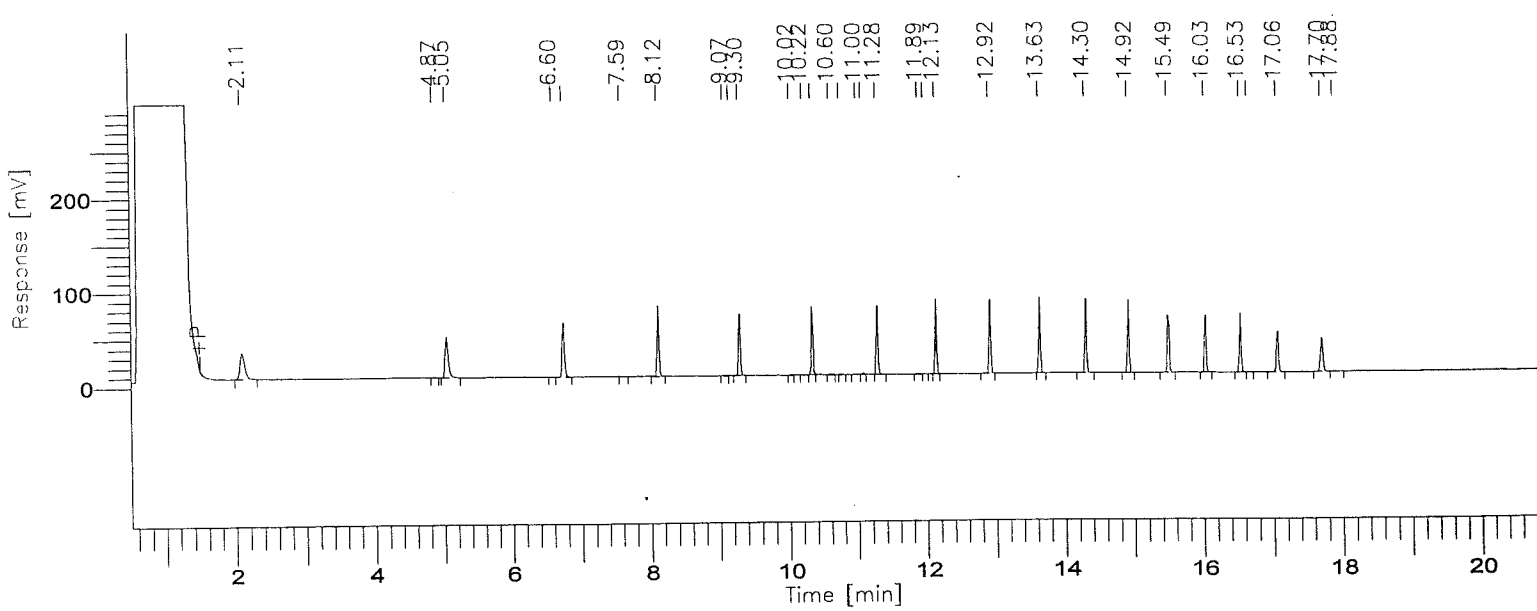
Raw Data File : C:\TC4\DATA_01\O28_011.RAW
Result File : C:\TC4\DATA_01\O28_011.RST
Inst Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\O28_011.RS
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O28.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
ltiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 32



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BOE-C6-0174282

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.48	C8-C9	129864	10.306	------	10.0	
5.82	C10-C11	135897	10.335	------	10.0	
7.37	C12-C13	133880	10.327	------	10.0	
8.66	C14-C15	132242	10.436	------	10.0	
9.77	C16-C17	128537	10.303	------	10.0	
10.76	C18-C19	129571	10.456	------	10.0	
12.05	C20-C23	250500	10.400	------	10.0	
13.56	C24-C27	247234	10.315	------	10.0	
14.85	C28-C31	247460	10.281	------	10.0	
15.97	C32-C35	230242	10.102	------	10.0	
17.07	C36-C39	193042	9.350	------	10.0	
19.32	C40+	89291	9.058	------	10.0	
		2047762	121.669			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
2.11		129402	0.129	------	10.0	
4.87		462	0.000	------	10.0	
		129864	0.130			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.05		135228	0.135	------	10.0	
6.60		669	0.001	------	10.0	
		135897	0.136			

Group Report For : C12-C13

Time	Component	Area	Final Results	% SURR	REP. LIMIT	FN

[min]	Name	[µV·s]	(ppm)	REC	mg/kg
75		133304	0.133	------	10.0
7.59		576	0.001	------	10.0
		133880	0.134		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.12		130542	0.131	------	10.0	
9.07		1179	0.001	------	10.0	
9.16		521	0.001	------	10.0	
		132242	0.132			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.30		127198	0.127	------	10.0	
10.02		476	0.000	------	10.0	
10.22		864	0.001	------	10.0	
		128537	0.129			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.34		124622	0.125	------	10.0	
10.60		702	0.001	------	10.0	
10.75		549	0.001	------	10.0	
11.00		775	0.001	------	10.0	
11.07		2922	0.003	------	10.0	
		129571	0.130			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.28		124614	0.125	------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.88		2352	0.002	------	10.0	
11.97		1044	0.001	------	10.0	
12.13		122490	0.122	------	10.0	
		250500	0.250			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.92		122827	0.123	------	10.0	
13.63		124407	0.124	------	10.0	
		247234	0.247			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.30		124644	0.125	------	10.0	
14.92		122816	0.123	------	10.0	
		247460	0.247			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.49		119922	0.120	------	10.0	
16.03		110321	0.110	------	10.0	
		230242	0.230			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.53		99608	0.100	------	10.0	
16.65		307	0.000	------	10.0	
17.06		93128	0.093	------	10.0	

	193042	0.193

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.70		87619	0.088	------	10.0	
17.88		1672	0.002	------	10.0	
		89291	0.089			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O28_011.TXO

Software Version: 4.1<2F12>
Date: 10/29/00 09:45 AM
Sample Name : #TEPH00-166 RT MARKER C8-C40
Data File : C:\TC4\DATA_01\O28_012.RAW Date: 10/28/00 05:14 PM
Sequence File: C:\TC4\DATA_01\O28.SEQ Cycle: 12 Channel : A
Instrument : GC-FID-01 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

Updating method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calibration performed at level: 2
Values will replace previous averages in the method
Retention times in the method will be updated
Reported response values are the method averages.

Component	Retn Time	Vol Adj Amount	Adjusted Response	Calibration Factor	%RSD Time	# Reps	%RSD Amt	%RSD Resp	# Reps	CLT Code
C8-C9	3.485	20.00000	249324.000000	12466.200000	0.00	2	------	------	1	0
C10-C11	5.820	20.00000	259895.500000	12994.775000	0.00	2	------	------	1	0
C12-C13	7.370	20.00000	255570.055556	12778.502778	0.00	2	------	------	1	0
C14-C15	8.655	20.00000	249829.944444	12491.497222	0.00	2	------	------	1	0
C16-C17	9.770	20.00000	245592.666667	12279.633333	0.00	2	------	------	1	0
-C19	10.762	20.00000	242578.333333	12128.916667	0.00	2	------	------	1	0
C23	12.052	20.00000	473849.000000	23692.450000	0.00	2	------	------	1	0
C24-C27	13.564	20.00000	470037.500000	23501.875000	0.00	2	------	------	1	0
C28-C31	14.852	20.00000	471768.500000	23588.425000	0.00	2	------	------	1	0
C32-C35	15.968	20.00000	423595.500000	21179.775000	0.00	2	------	------	1	0
C36-C39	17.068	20.00000	347704.000000	17385.200000	0.00	2	------	------	1	0
C40+	19.324	20.00000	162957.000000	8147.850000	0.00	2	------	------	1	0

Confidence Limits Test (CLT) Result Explanations:
- 0 = Insufficient data for outlier test (<3 replicates)
- 1 = Significant outlier (failed at 99.9% 2nd pass)
- 2 = Probable outlier (failed at 95% 1st pass, failed at 95% 2nd pass)
- 3 = Probable outlier (failed at 95% 1st pass, failed at 99.9% 1st pass)
- 4 = Probably not outlier (failed at 95% 1st pass, passed at 99.9% 1st pass)
- 5 = Not outlier (passed at 95% 1st pass)

Calibration Status:

Component	C0	C1	C2	C3	r^2	Status
C8-C9	0.000000	12600.439000	----------	----------	--------	9
C10-C11	0.000000	13149.545722	----------	----------	--------	9
C12-C13	0.000000	12964.682334	----------	----------	--------	9
C14-C15	0.000000	12677.061828	----------	----------	--------	9
C16-C17	0.000000	12469.949864	----------	----------	--------	9
C18-C19	0.000000	12392.585251	----------	----------	--------	9
C20-C23	0.000000	24086.705167	----------	----------	--------	9
C24-C27	0.000000	23968.960667	----------	----------	--------	9
C28-C31	0.000000	24069.550667	----------	----------	--------	9
-C35	0.000000	22792.399000	----------	----------	--------	9
C36-C39	0.000000	20645.707833	----------	----------	--------	9
C40+	0.000000	9857.218000	----------	----------	--------	9

Calibration Status Explanations:
- 1 = Component not calibrated: Rejected based on user criteria
- 2 = Component not calibrated: Was not found in peak/group list

3 = Component not calibrated: No ISTD specified in method
4 = Component not calibrated: ISTD was not found in peak list
5 = Component not calibrated: Uses constant calibration factor
6 = Component not calibrated: Uses calibration reference
7 = Component not calibrated: No calibration at this level
8 = Component not calibrated: Incomplete named group
9 = Component calibrated successfully

Software Version: 4.1<2F12>
Sample Name : #TEPH00-166 RT MARKER C8-C40 Time : 10/29/00 09:45 AM
Sample Number: 20 PPM Study : ICAL 10/28/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/28/00 05:14 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

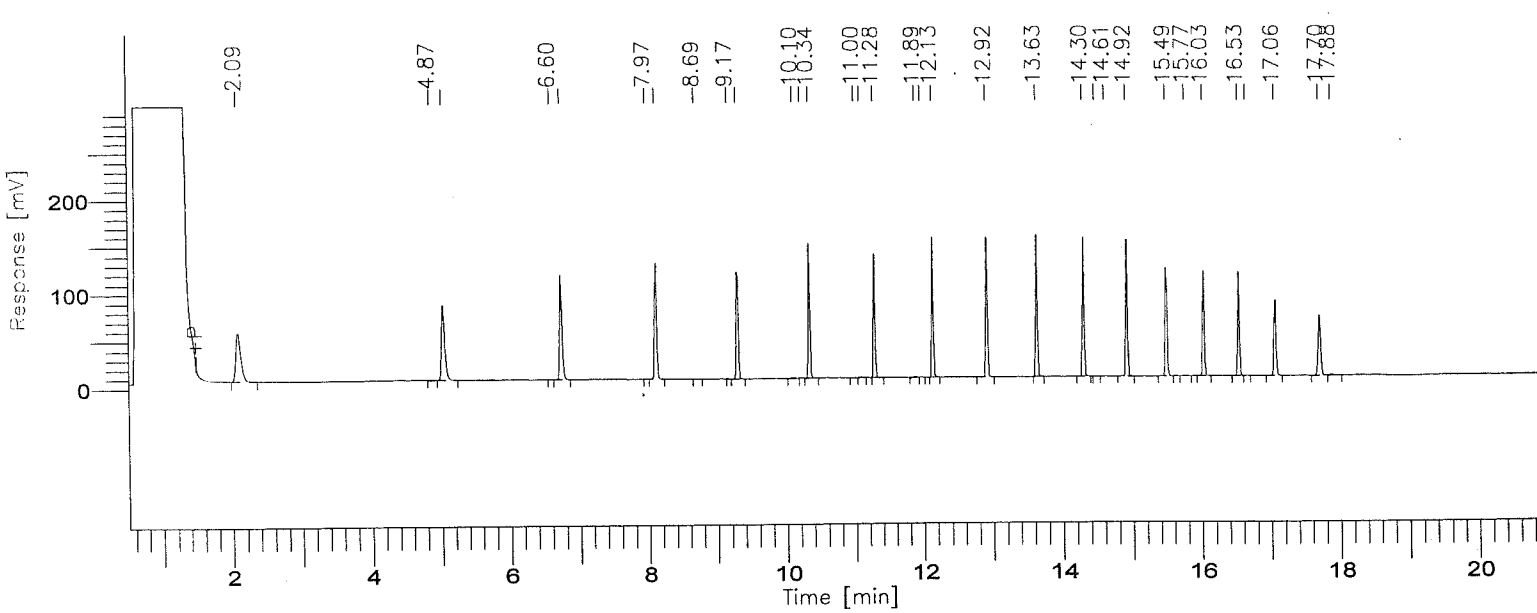
Raw Data File : C:\TC4\DATA_01\O28_012.RAW
Result File : C:\TC4\DATA_01\O28_012.RST
Inst Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\O28_012.RS
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O28.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 33



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BOE-C6-0174289

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.48	C8-C9	249324	19.787	------	10.0	
5.82	C10-C11	259896	19.765	------	10.0	
7.37	C12-C13	255570	19.713	------	10.0	
8.66	C14-C15	249830	19.707	------	10.0	
9.77	C16-C17	245593	19.695	------	10.0	
10.76	C18-C19	242578	19.574	------	10.0	
12.05	C20-C23	473849	19.673	------	10.0	
13.56	C24-C27	470038	19.610	------	10.0	
14.85	C28-C31	471768	19.600	------	10.0	
15.97	C32-C35	423596	18.585	------	10.0	
17.07	C36-C39	347704	16.841	------	10.0	
19.32	C40+	162957	16.532	------	10.0	
		3852702	229.082			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
2.09		248435	0.248	------	10.0	
4.87		889	0.001	------	10.0	
		249324	0.249			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.03		258603	0.259	------	10.0	
6.60		1292	0.001	------	10.0	
		259896	0.260			

Group Report For : C12-C13

Time	Component	Area	Final Results	% SURR	REP. LIMIT	FN

[min]	Name	[µV·s]	(ppm)	REC	mg/kg
74		254347	0.254	------	10.0
.97		1223	0.001	------	10.0
		255570	0.256		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.11		248652	0.249	------	10.0	
8.69		614	0.001	------	10.0	
9.16		564	0.001	------	10.0	
		249830	0.250			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
.29		242575	0.243	------	10.0	
10.10		1913	0.002	------	10.0	
10.22		1104	0.001	------	10.0	
		245593	0.246			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.34		239008	0.239	------	10.0	
11.00		700	0.001	------	10.0	
11.07		2870	0.003	------	10.0	
		242578	0.243			

Group Report For : C20-C23

me [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.28		236952	0.237	------	10.0	
11.89		1920	0.002	------	10.0	
11.97		1044	0.001	------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.13		233932	0.234	------	10.0	
		473849	0.474			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.92		233462	0.233	------	10.0	
13.63		236576	0.237	------	10.0	
		470038	0.470			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
[illegible].30		235880	0.236	------	10.0	
14.47		608	0.001	------	10.0	
14.61		1431	0.001	------	10.0	
14.92		233849	0.234	------	10.0	
		471768	0.472			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.49		223244	0.223	------	10.0	
15.77		415	0.000	------	10.0	
16.03		199936	0.200	------	10.0	
		423596	0.424			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.53		179074	0.179	------	10.0	
16.65		774	0.001	------	10.0	
17.06		167856	0.168	------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
		347704	0.348			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.70		159376	0.159	------	10.0	
17.88		3581	0.004	------	10.0	
		162957	0.163			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

L - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O28_012.TXO

Software Version: 4.1<2F12>
Date: 10/29/00 09:45 AM
Sample Name : #TEPH00- 208 RT MARKER C8-C40
L a File : C:\TC4\DATA_01\O28_013.RAW Date: 10/28/00 05:44 PM
Sequence File: C:\TC4\DATA_01\O28.SEQ Cycle: 13 Channel : A
Instrument : GC-FID-01 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

Updating method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calibration performed at level: 3
Values will replace previous averages in the method
Retention times in the method will be updated
Reported response values are the method averages.

Component	Retn Time	Vol Adj Amount	Adjusted Response	Calibration Factor	%RSD Time	# Reps	%RSD Amt	%RSD Resp	# Reps	CLT Code
C8-C9	3.485	30.00000	365868.000000	12195.600000	0.00	3	------	------	1	0
C10-C11	5.820	30.00000	383530.533333	12784.351111	0.00	3	------	------	1	0
C12-C13	7.369	30.00000	379072.966667	12635.765556	0.00	3	------	------	1	0
C14-C15	8.655	30.00000	369701.500000	12323.383333	0.00	3	------	------	1	0
C16-C17	9.770	30.00000	366192.633333	12206.421111	0.00	3	------	------	1	0
C18-C19	10.762	30.00000	362618.366667	12087.278889	0.00	3	------	------	1	0
[illegible]23	12.052	30.00000	706992.176471	23566.405882	0.00	3	------	------	1	0
[illegible] C27	13.564	30.00000	705705.323529	23523.510784	0.00	3	------	------	1	0
C28-C31	14.852	30.00000	711604.000000	23720.133333	0.00	3	------	------	1	0
C32-C35	15.968	30.00000	712753.500000	23758.450000	0.00	3	------	------	1	0
C36-C39	17.068	30.00000	718233.500000	23941.116667	0.00	3	------	------	1	0
C40+	19.324	30.00000	349972.500000	11665.750000	0.00	3	------	------	1	0

Confidence Limits Test (CLT) Result Explanations:
- 0 = Insufficient data for outlier test (<3 replicates)
- 1 = Significant outlier (failed at 99.9% 2nd pass)
- 2 = Probable outlier (failed at 95% 1st pass, failed at 95% 2nd pass)
- 3 = Probable outlier (failed at 95% 1st pass, failed at 99.9% 1st pass)
- 4 = Probably not outlier (failed at 95% 1st pass, passed at 99.9% 1st pass)
- 5 = Not outlier (passed at 95% 1st pass)

Calibration Status:

Component	C0	C1	C2	C3	r^2	Status
C8-C9	0.000000	12600.439000	----------	----------	--------	9
C10-C11	0.000000	13149.545722	----------	----------	--------	9
C12-C13	0.000000	12964.682334	----------	----------	--------	9
C14-C15	0.000000	12682.401828	----------	----------	--------	9
C16-C17	0.000000	12464.609864	----------	----------	--------	9
C18-C19	0.000000	12392.585251	----------	----------	--------	9
C20-C23	0.000000	24090.089676	----------	----------	--------	9
C24-C27	0.000000	23965.576157	----------	----------	--------	9
C28-C31	0.000000	24069.550667	----------	----------	--------	9
C35	0.000000	22792.399000	----------	----------	--------	9
C39	0.000000	20645.707833	----------	----------	--------	9
C40+	0.000000	9857.218000	----------	----------	--------	9

Calibration Status Explanations:
- 1 = Component not calibrated: Rejected based on user criteria
- 2 = Component not calibrated: Was not found in peak/group list

3 = Component not calibrated: No ISTD specified in method
4 = Component not calibrated: ISTD was not found in peak list
5 = Component not calibrated: Uses constant calibration factor
6 = Component not calibrated: Uses calibration reference
7 = Component not calibrated: No calibration at this level
8 = Component not calibrated: Incomplete named group
9 = Component calibrated successfully

Software Version: 4.1<2F12>
Sample Name : #TEPH00- 208 RT MARKER C8-C40 Time : 10/29/00 09:45 AM
Sample Number: 30 PPM Study : ICAL 10/28/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/28/00 05:44 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

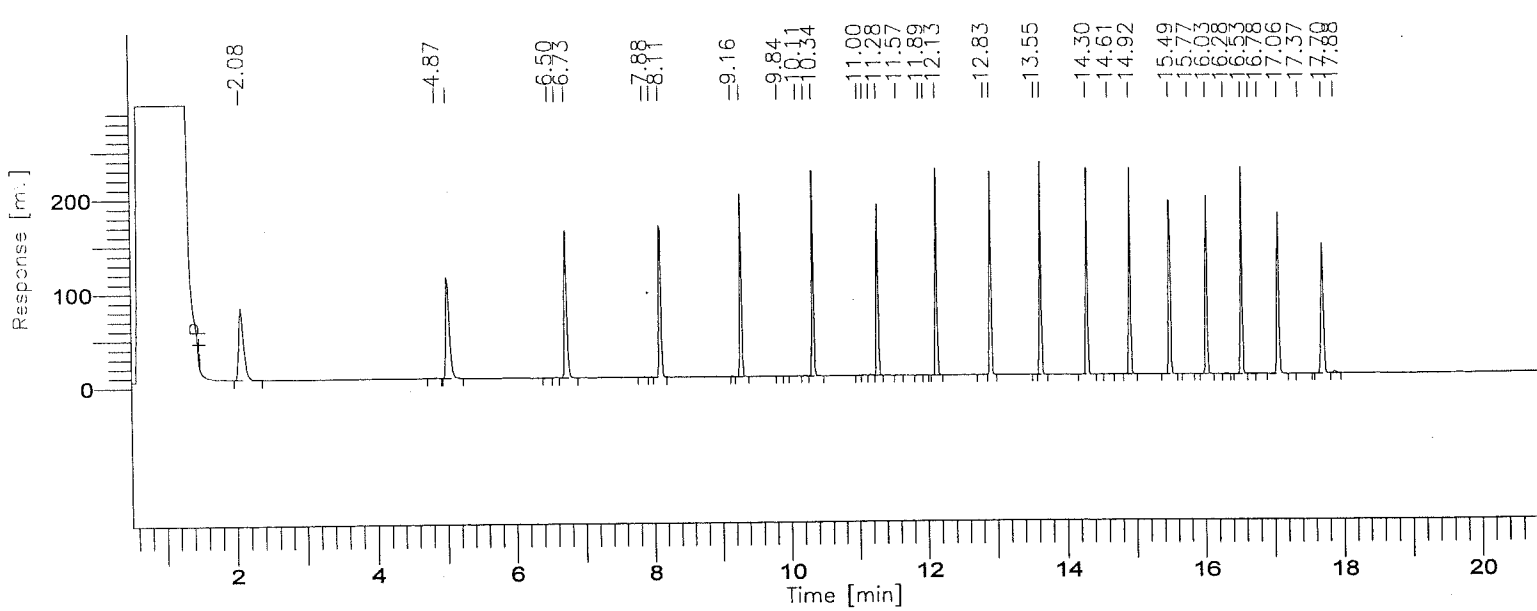
Raw Data File : C:\TC4\DATA_01\O28_013.RAW
Result File : C:\TC4\DATA_01\O28_013.RST
Inst Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\O28_013.RS
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O28.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 41



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BOE-C6-0174296

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.48	C8-C9	365868	29.036	------	10.0	
5.82	C10-C11	383531	29.167	------	10.0	
7.37	C12-C13	379073	29.239	------	10.0	
8.66	C14-C15	369702	29.151	------	10.0	
9.77	C16-C17	366193	29.379	------	10.0	
10.76	C18-C19	362618	29.261	------	10.0	
12.05	C20-C23	706992	29.348	------	10.0	
13.56	C24-C27	705705	29.447	------	10.0	
14.85	C28-C31	711604	29.564	------	10.0	
15.97	C32-C35	712754	31.272	------	10.0	
17.07	C36-C39	718234	34.789	------	10.0	
19.32	C40+	349972	35.504	------	10.0	
		6132245	365.155			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
2.08		364203	0.364	------	10.0	
4.87		1665	0.002	------	10.0	
		365868	0.366			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.02		380645	0.381	------	10.0	
6.50		795	0.001	------	10.0	
6.59		2090	0.002	------	10.0	
		383531	0.384			

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
6.73		376434	0.376	------	10.0	
7.88		898	0.001	------	10.0	
7.97		1740	0.002	------	10.0	
		379073	0.379			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.11		368900	0.369	------	10.0	
9.16		801	0.001	------	10.0	
		369702	0.370			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.29		362056	0.362	------	10.0	
9.84		483	0.000	------	10.0	
10.10		2076	0.002	------	10.0	
10.22		1578	0.002	------	10.0	
		366193	0.366			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.33		355446	0.355	------	10.0	
11.00		1209	0.001	------	10.0	
11.07		3696	0.004	------	10.0	
11.17		2267	0.002	------	10.0	
		362618	0.363			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN

11.28	352722	0.353	------	10.0
11.57	923	0.001	------	10.0
11.89	1990	0.002	------	10.0
11.97	810	0.001	------	10.0
12.13	350039	0.350	------	10.0
12.83	508	0.001	------	10.0
	706992	0.707		

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.92		351067	0.351	------	10.0	
13.55		399	0.000	------	10.0	
13.63		354239	0.354	------	10.0	
		705705	0.706			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.30		355591	0.356	------	10.0	
14.61		1001	0.001	------	10.0	
14.92		355012	0.355	------	10.0	
		711604	0.712			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.49		357540	0.358	------	10.0	
15.77		438	0.000	------	10.0	
16.03		354258	0.354	------	10.0	
16.28		518	0.001	------	10.0	
		712754	0.713			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN

16.53	356337	0.356	------	10.0
16.65	1703	0.002	------	10.0
[illegible] 78	1263	0.001	------	10.0
17.06	358190	0.358	------	10.0
17.37	741	0.001	------	10.0
	718234	0.718		

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.70		343952	0.344	------	10.0	
17.88		6021	0.006	------	10.0	
		349972	0.350			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O28_013.TXO

Software Version: 4.1<2F12>
Date: 10/29/00 09:45 AM
Sample Name : #TEPH00-168 RT MARKER C8-C40
Data File : C:\TC4\DATA_01\O28_014.RAW Date: 10/28/00 06:14 PM
Sequence File: C:\TC4\DATA_01\O28.SEQ Cycle: 14 Channel : A
Instrument : GC-FID-01 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

Updating method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calibration performed at level: 4
Values will replace previous averages in the method
Retention times in the method will be updated
Reported response values are the method averages.

Component	Retn Time	Vol Adj Amount	Adjusted Response	Calibration Factor	%RSD Time	# Reps	%RSD Amt	%RSD Resp	# Reps	CLT Code
C8-C9	3.485	40.00000	499131.000000	12478.275000	0.00	4	------	------	1	0
C10-C11	5.820	40.00000	519136.500000	12978.412500	0.00	4	------	------	1	0
C12-C13	7.370	40.00000	513839.907407	12845.997685	0.00	4	------	------	1	0
C14-C15	8.655	40.00000	503019.378307	12575.484458	0.00	4	------	------	1	0
C16-C17	9.770	40.00000	493306.714286	12332.667857	0.00	4	------	------	1	0
C18-C19	10.762	40.00000	492485.500000	12312.137500	0.00	4	------	------	1	0
C20-C23	12.052	40.00000	954410.500000	23860.262500	0.00	4	------	------	1	0
C24-C27	13.564	40.00000	954255.000000	23856.375000	0.00	4	------	------	1	0
C28-C31	14.852	40.00000	959183.000000	23979.575000	0.00	4	------	------	1	0
C32-C35	15.968	40.00000	907174.000000	22679.350000	0.00	4	------	------	1	0
C36-C39	17.068	40.00000	827428.500000	20685.712500	0.00	4	------	------	1	0
C40+	19.324	40.00000	397552.000000	9938.800000	0.00	4	------	------	1	0

Confidence Limits Test (CLT) Result Explanations:
- 0 = Insufficient data for outlier test (<3 replicates)
- 1 = Significant outlier (failed at 99.9% 2nd pass)
- 2 = Probable outlier (failed at 95% 1st pass, failed at 95% 2nd pass)
- 3 = Probable outlier (failed at 95% 1st pass, failed at 99.9% 1st pass)
- 4 = Probably not outlier (failed at 95% 1st pass, passed at 99.9% 1st pass)
- 5 = Not outlier (passed at 95% 1st pass)

Calibration Status:

Component	C0	C1	C2	C3	r^2	Status
C8-C9	0.000000	12600.439000	----------	----------	--------	9
C10-C11	0.000000	13149.545722	----------	----------	--------	9
C12-C13	0.000000	12964.682334	----------	----------	--------	9
C14-C15	0.000000	12689.848257	----------	----------	--------	9
C16-C17	0.000000	12457.163436	----------	----------	--------	9
C18-C19	0.000000	12392.585251	----------	----------	--------	9
C20-C23	0.000000	24090.089676	----------	----------	--------	9
C24-C27	0.000000	23965.576157	----------	----------	--------	9
C28-C31	0.000000	24069.550667	----------	----------	--------	9
C32-C35	0.000000	22792.399000	----------	----------	--------	9
C36-C39	0.000000	20645.707833	----------	----------	--------	9
C40+	0.000000	9857.218000	----------	----------	--------	9

Calibration Status Explanations:
- 1 = Component not calibrated: Rejected based on user criteria
- 2 = Component not calibrated: Was not found in peak/group list

3 = Component not calibrated: No ISTD specified in method
4 = Component not calibrated: ISTD was not found in peak list
5 = Component not calibrated: Uses constant calibration factor
6 = Component not calibrated: Uses calibration reference
7 = Component not calibrated: No calibration at this level
8 = Component not calibrated: Incomplete named group
9 = Component calibrated successfully

Software Version: 4.1<2F12>
Sample Name : #TEPH00-168 RT MARKER C8-C40 Time : 10/29/00 09:45 AM
Sample Number: 40 PPM Study : ICAL 10/28/00
(rator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/28/00 06:14 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

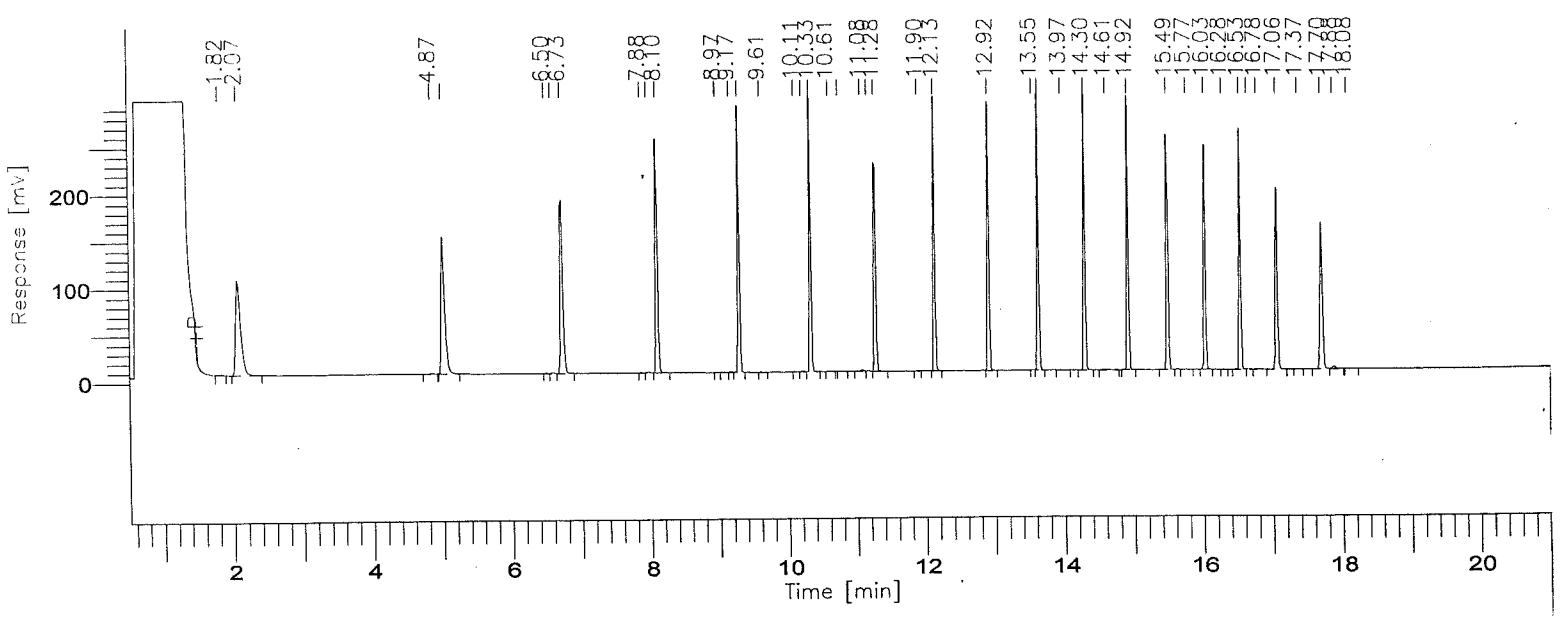
Raw Data File : C:\TC4\DATA_01\O28_014.RAW
Result File : C:\TC4\DATA_01\O28_014.RST
Inst Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\O28_014.RS
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O28.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
ltiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 43



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BOE-C6-0174303

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.48	C8-C9	499131	39.612	------	10.0	
5.82	C10-C11	519136	39.479	------	10.0	
7.37	C12-C13	513840	39.634	------	10.0	
8.66	C14-C15	503019	39.640	------	10.0	
9.77	C16-C17	493307	39.600	------	10.0	
10.76	C18-C19	492486	39.740	------	10.0	
12.05	C20-C23	954410	39.618	------	10.0	
13.56	C24-C27	954255	39.818	------	10.0	
14.85	C28-C31	959183	39.850	------	10.0	
15.97	C32-C35	907174	39.802	------	10.0	
17.07	C36-C39	827428	40.078	------	10.0	
19.32	C40+	397552	40.331	------	10.0	
		8020922	477.202			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
2.07		496777	0.497	------	10.0	
4.86		2354	0.002	------	10.0	
		499131	0.499			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.02		515730	0.516	------	10.0	
6.50		651	0.001	------	10.0	
6.59		2756	0.003	------	10.0	
		519136	0.519			

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.73		509708	0.510	------	10.0	
7.88		1153	0.001	------	10.0	
7.97		2979	0.003	------	10.0	
		513840	0.514			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.10		501050	0.501	------	10.0	
8.97		480	0.000	------	10.0	
9.17		1489	0.001	------	10.0	
		503019	0.503			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.29		489617	0.490	------	10.0	
9.61		659	0.001	------	10.0	
10.11		1039	0.001	------	10.0	
10.22		1992	0.002	------	10.0	
		493307	0.493			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.33		483878	0.484	------	10.0	
10.60		922	0.001	------	10.0	
10.75		822	0.001	------	10.0	
11.08		4079	0.004	------	10.0	
11.17		2785	0.003	------	10.0	
		492486	0.492			

Group Report For : C20-C23

Time	Component	Area	Final Results	% SURR	REP. LIMIT	FN

[min]	Name	[µV·s]	(ppm)	REC	mg/kg
27		479425	0.479	------	10.0
11.90		1347	0.001	------	10.0
12.13		473638	0.474	------	10.0
		954410	0.954		

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.92		472696	0.473	------	10.0	
13.55		491	0.000	------	10.0	
13.63		480395	0.480	------	10.0	
13.97		673	0.001	------	10.0	
		954255	0.954			

Group Report For : C28-C31

ne [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.30		479929	0.480	------	10.0	
14.61		1236	0.001	------	10.0	
14.92		478018	0.478	------	10.0	
		959183	0.959			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.49		467728	0.468	------	10.0	
15.77		676	0.001	------	10.0	
16.03		438186	0.438	------	10.0	
16.28		584	0.001	------	10.0	
		907174	0.907			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN

16.53	416517	0.417	------	10.0
16.65	1914	0.002	------	10.0
78	1480	0.001	------	10.0
17.06	406935	0.407	------	10.0
17.37	582	0.001	------	10.0
	827428	0.827		

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.70		389507	0.390	------	10.0	
17.88		7499	0.007	------	10.0	
18.08		546	0.001	------	10.0	
		397552	0.398			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O28_014.TXO

Software Version: 4.1<2F12>
Date: 10/29/00 09:45 AM
Sample Name : #TEPH00-169 RT MARKER C8-C40
Data File : C:\TC4\DATA_01\O28_015.RAW Date: 10/28/00 06:44 PM
Sequence File: C:\TC4\DATA_01\O28.SEQ Cycle: 15 Channel : A
Instrument : GC-FID-01 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

Updating method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calibration performed at level: 5
Values will replace previous averages in the method
Retention times in the method will be updated
Reported response values are the method averages.

Component	Retn Time	Vol Adj Amount	Adjusted Response	Calibration Factor	%RSD Time	# Reps	%RSD Amt	%RSD Resp	# Reps	CLT Code
C8-C9	3.485	50.00000	643786.000000	12875.720000	0.00	5	------	------	1	0
C10-C11	5.820	50.00000	670024.000000	13400.480000	0.00	5	------	------	1	0
C12-C13	7.370	50.00000	658757.782609	13175.155652	0.00	5	------	------	1	0
C14-C15	8.655	50.00000	643679.602007	12873.592040	0.00	5	------	------	1	0
C16-C17	9.770	50.00000	628721.455385	12574.429108	0.00	5	------	------	1	0
C18-C19	10.762	50.00000	623874.660000	12477.493200	0.00	5	------	------	1	0
C20-C23	12.052	50.00000	1214066.500000	24281.330000	0.00	5	------	------	1	0
C24-C27	13.564	50.00000	1211136.000000	24222.720000	0.00	5	------	------	1	0
C28-C31	14.852	50.00000	1215681.000000	24313.620000	0.00	5	------	------	1	0
C32-C35	15.967	50.00000	1166008.500000	23320.170000	0.00	5	------	------	1	0
C36-C39	17.068	50.00000	1095613.000000	21912.260000	0.00	5	------	------	1	0
C40+	19.324	50.00000	530229.500000	10604.590000	0.00	5	------	------	1	0

Confidence Limits Test (CLT) Result Explanations:
- 0 = Insufficient data for outlier test (<3 replicates)
- 1 = Significant outlier (failed at 99.9% 2nd pass)
- 2 = Probable outlier (failed at 95% 1st pass, failed at 95% 2nd pass)
- 3 = Probable outlier (failed at 95% 1st pass, failed at 99.9% 1st pass)
- 4 = Probably not outlier (failed at 95% 1st pass, passed at 99.9% 1st pass)
- 5 = Not outlier (passed at 95% 1st pass)

Calibration Status:

Component	C0	C1	C2	C3	r^2	Status
C8-C9	0.000000	12600.439000	----------	----------	--------	9
C10-C11	0.000000	13149.545722	----------	----------	--------	9
C12-C13	0.000000	12964.682334	----------	----------	--------	9
C14-C15	0.000000	12697.641411	----------	----------	--------	9
C16-C17	0.000000	12449.370282	----------	----------	--------	9
C18-C19	0.000000	12392.585251	----------	----------	--------	9
C20-C23	0.000000	24090.089676	----------	----------	--------	9
C24-C27	0.000000	23965.576157	----------	----------	--------	9
C28-C31	0.000000	24069.550667	----------	----------	--------	9
C32-C35	0.000000	22792.399000	----------	----------	--------	9
C36-C39	0.000000	20645.707833	----------	----------	--------	9
C40+	0.000000	9857.218000	----------	----------	--------	9

Calibration Status Explanations:
- 1 = Component not calibrated: Rejected based on user criteria
- 2 = Component not calibrated: Was not found in peak/group list

3 = Component not calibrated: No ISTD specified in method
4 = Component not calibrated: ISTD was not found in peak list
5 = Component not calibrated: Uses constant calibration factor
6 = Component not calibrated: Uses calibration reference
7 = Component not calibrated: No calibration at this level
8 = Component not calibrated: Incomplete named group
9 = Component calibrated successfully

Software Version: 4.1<2F12>
Sample Name : #TEPH00-169 RT MARKER C8-C40 Time : 10/29/00 09:45 AM
Sample Number: 50 PPM Study : ICAL 10/28/00
C rator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/28/00 06:44 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

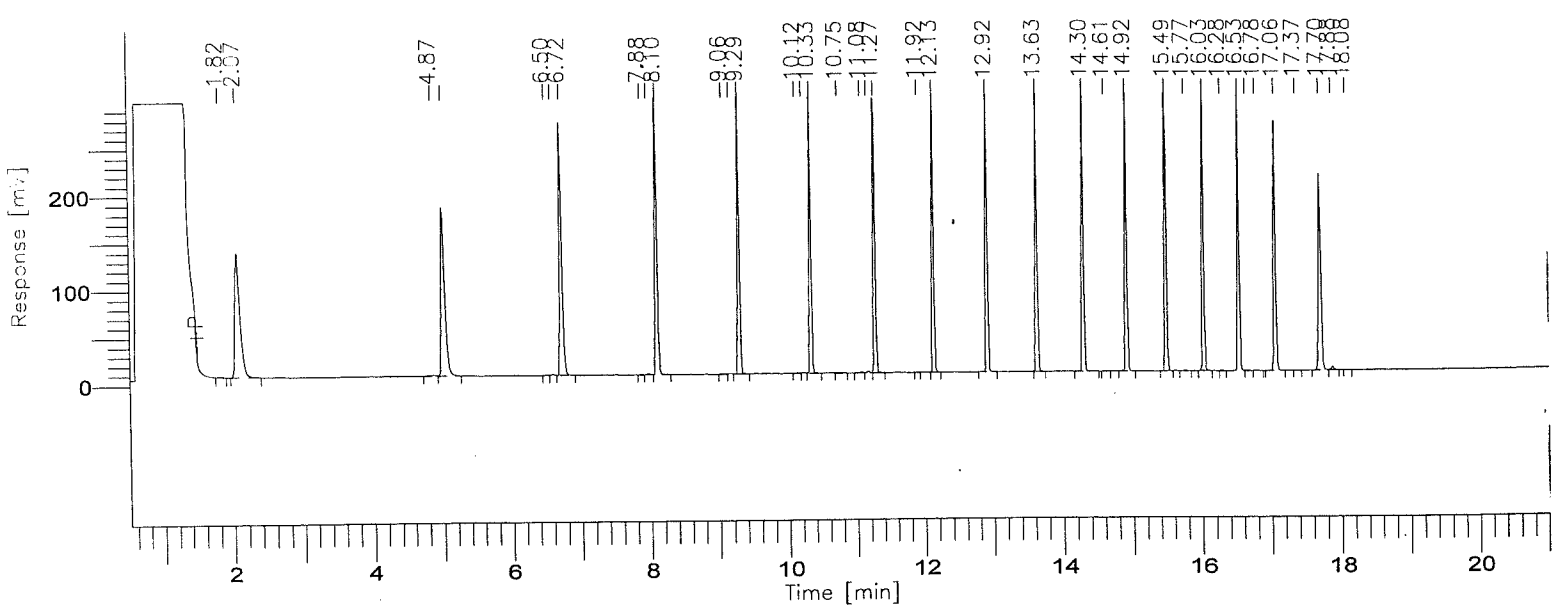
Raw Data File : C:\TC4\DATA_01\O28_015.RAW
Result File : C:\TC4\DATA_01\O28_015.RST
Inst Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\O28_015.RS
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O28.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
ltiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 39



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BOE-C6-0174310

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.48	C8-C9	643786	51.092	------	10.0	
5.82	C10-C11	670024	50.954	------	10.0	
7.37	C12-C13	658758	50.812	------	10.0	
8.66	C14-C15	643680	50.693	------	10.0	
9.77	C16-C17	628721	50.502	------	10.0	
10.76	C18-C19	623875	50.343	------	10.0	
12.05	C20-C23	1214066	50.397	------	10.0	
13.56	C24-C27	1211136	50.536	------	10.0	
14.85	C28-C31	1215681	50.507	------	10.0	
15.97	C32-C35	1166008	51.158	------	10.0	
17.07	C36-C39	1095613	53.067	------	10.0	
19.32	C40+	530230	53.791	------	10.0	
		10301578	613.852			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
2.07		640552	0.641	------	10.0	
4.86		3234	0.003	------	10.0	
		643786	0.644			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.01		665641	0.666	------	10.0	
6.50		708	0.001	------	10.0	
6.59		3675	0.004	------	10.0	
		670024	0.670			

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
6.72		653887	0.654	------	10.0	
7.88		890	0.001	------	10.0	
7.97		3981	0.004	------	10.0	
		658758	0.659			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.10		640099	0.640	------	10.0	
9.06		1632	0.002	------	10.0	
9.17		1948	0.002	------	10.0	
		643680	0.644			

Group Report For : C16-C17

ne [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.29		625327	0.625	------	10.0	
10.12		1587	0.002	------	10.0	
10.22		1808	0.002	------	10.0	
		628721	0.629			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.33		615673	0.616	------	10.0	
10.75		1198	0.001	------	10.0	
11.08		3148	0.003	------	10.0	
11.17		3856	0.004	------	10.0	
		623875	0.624			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN

11.27		610228	0.610	------	10.0
11.91		828	0.001	------	10.0
13		603011	0.603	------	10.0
		1214066	1.214		

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.91		600828	0.601	------	10.0	
13.63		610308	0.610	------	10.0	
		1211136	1.211			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.30		608849	0.609	------	10.0	
61		1214	0.001	------	10.0	
14.92		605618	0.606	------	10.0	
		1215681	1.216			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.49		596546	0.597	------	10.0	
15.77		738	0.001	------	10.0	
16.03		567996	0.568	------	10.0	
16.28		729	0.001	------	10.0	
		1166008	1.166			

Group Report For : C36-C39

Time in]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.53		549628	0.550	------	10.0	
16.65		2207	0.002	------	10.0	
16.78		1188	0.001	------	10.0	
17.06		541854	0.542	------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.37		736	0.001	------	10.0	
		1095613	1.096			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.70		520250	0.520	------	10.0	
17.88		9298	0.009	------	10.0	
18.08		682	0.001	------	10.0	
		530230	0.530			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O28_015.TXO

Software Version: 4.1<2F12>
Sample Name : DAILY RT MAKER 50 ppm
Sample Number: C8-C40
(rator :

Time : 10/29/00 09:56 AM
Study : ICAL 10/19/00

Instrument : GC-FID-01
AutoSampler :
Rack/Vial : 0/0

Channel : A A/D mV Range : 1000

Interface Serial # : 2136574898 Data Acquisition Time: 10/28/00 12:01 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

second source for comparison only

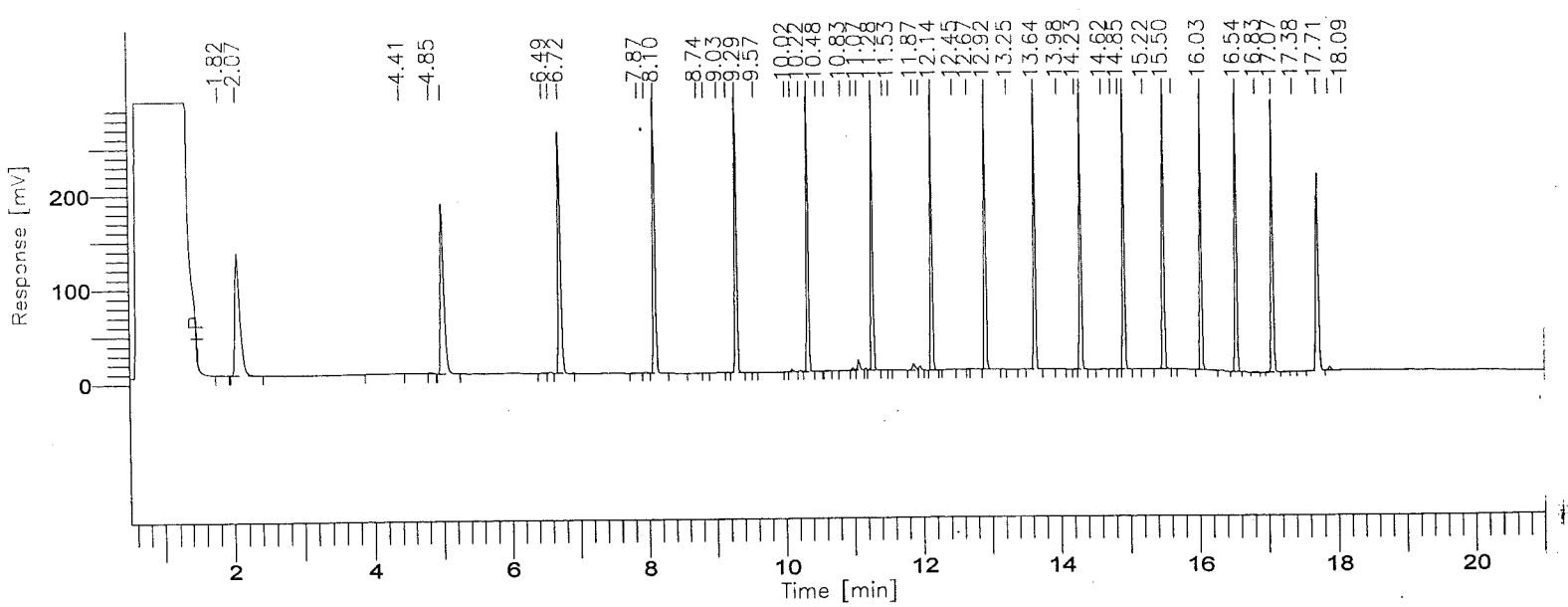
Raw Data File : C:\TC4\DATA_01\O28_003.RAW
Result File : C:\TC4\DATA_01\O28_003.RST 10-29-00
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O28_003.R
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O28.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
.tiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 55



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BOE-C6-0174315

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.48	C8-C9	621780	49.346	------ 50 ppm	10.0	
5.82	C10-C11	641534	48.788	------	10.0	
7.37	C12-C13	635160	48.992	------	10.0	
8.66	C14-C15	631664	49.747	------	10.0	
9.77	C16-C17	616431	49.515	------	10.0	
10.76	C18-C19	629099	50.764	------	10.0	
12.05	C20-C23	1207738	50.134	------	10.0	
13.56	C24-C27	1178215	49.163	------	10.0	
14.85	C28-C31	1184126	49.196	------	10.0	
15.97	C32-C35	1182321	51.873	------	10.0	
17.07	C36-C39	1158838	56.130	------	10.0	
19.32	C40+	562163	57.031	------	10.0	
		10249070	610.678			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
2.07		615162	0.615	------	10.0	
4.41		4458	0.004	------	10.0	
4.85		2160	0.002	------	10.0	
		621780	0.622			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.01		636436	0.636	------	10.0	
6.49		1260	0.001	------	10.0	
5.58		3838	0.004	------	10.0	
		641534	0.642			

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
6.72		629111	0.629	------	10.0	
7.87		1926	0.002	------	10.0	
7.97		4123	0.004	------	10.0	
		635160	0.635			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.10		619384	0.619	------	10.0	
8.74		2438	0.002	------	10.0	
8.84		1556	0.002	------	10.0	
9.03		5696	0.006	------	10.0	
9.17		2592	0.003	------	10.0	
		631664	0.632			

oup Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.29		605854	0.606	------	10.0	
9.57		402	0.000	------	10.0	
10.02		993	0.001	------	10.0	
10.10		6528	0.007	------	10.0	
10.22		2654	0.003	------	10.0	
		616431	0.616			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.34		593559	0.594	------	10.0	
10.48		1715	0.002	------	10.0	
[illegible].60		2712	0.003	------	10.0	
10.83		1708	0.002	------	10.0	
10.99		6498	0.006	------	10.0	
11.07		22908	0.023	------	10.0	
		629099	0.629			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.28		589528	0.590	------	10.0	
11.45		989	0.001	------	10.0	
11.53		512	0.001	------	10.0	
11.87		20611	0.021	------	10.0	
11.96		9179	0.009	------	10.0	
12.13		584115	0.584	------	10.0	
12.45		2218	0.002	------	10.0	
12.67		586	0.001	------	10.0	
		1207738	1.208			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.92		585275	0.585	------	10.0	
13.25		768	0.001	------	10.0	
64		589934	0.590	------	10.0	
13.98		804	0.001	------	10.0	
14.23		1435	0.001	------	10.0	
		1178215	1.178			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.30		590671	0.591	------	10.0	
14.62		1900	0.002	------	10.0	
14.75		729	0.001	------	10.0	
14.85		1284	0.001	------	10.0	
14.92		588230	0.588	------	10.0	
15.21		1312	0.001	------	10.0	
		1184126	1.184			

oup Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.50		594709	0.595	------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.63		1264	0.001	------	10.0	
16.03		586348	0.586	------	10.0	
		1182321	1.182			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.54		578442	0.578	------	10.0	
16.83		2500	0.003	------	10.0	
17.07		576946	0.577	------	10.0	
17.38		950	0.001	------	10.0	
		1158838	1.159			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.71		549981	0.550	------	10.0	
17.89		11091	0.011	------	10.0	
18.09		1091	0.001	------	10.0	
		562163	0.562			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O28_003.TXO

Turbochrom Sequence File : C:\TC4\DATA_01\028.SEQ
Created by : doug on : 10/27/00 04:25 PM
Edited by : EC on : 10/28/00 04:23 PM
Description :

Number of Times Edited : 11

Sequence File Header Information:

Number of Rows : 192
Instrument Type : 760 / 900 Series Intelligent Interface
Injection Type : SINGLE

Sequence Sample Descriptions - Channel A

Row	Type	Sample Name	Sample Number	Study Name	Sample Amount	ISTD Amount	Sample Volume	Dil. Factor	Mult	Divisor	Addend	Norm. factor
1	Sample	MECL2	MECL2	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
2	Sample	MECL2	MECL2	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
3	Sample	DAILY RT MAKER	C8-C40	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
4	Std Check	#TEPH00-205 DIE	1000 PPM	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
5	Sample	154-06 2X	DM4E51AD	ICAL 10/19	1.000	1.000	1.000	2.000	5.000	1019.000	0.000	100.000
6	Sample	154-07 2X	DM4E61AD	ICAL 10/19	1.000	1.000	1.000	2.000	5.000	1010.000	0.000	100.000
7	Std Check	#TEPH00-205 DIE	1000 PPM	ICAL 10/19	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
8	Sample	#TEPH00-208 RT	30 PPM	ICAL 10/3/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
9	Sample	#TEPH00-208 RT	30 PPM	ICAL 10/3/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
10	Sample	MECL2	MECL2	ICAL 10/28	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
11	Cal:Replace	TEPH00-165 RT M	10 PPM	ICAL 10/28	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
12	Cal:Replace	#TEPH00-166 RT	20 PPM	ICAL 10/28	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
13	Cal:Replace	#TEPH00- 208 RT	30 PPM	ICAL 10/28	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
14	Cal:Replace	#TEPH00-168 RT	40 PPM	ICAL 10/28	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
15	Cal:Replace	#TEPH00-169 RT	50 PPM	ICAL 10/28	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
16	Sample	326-MB	DNAK41AAB	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
17	Sample	326-LCS	DNAK41ACC	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
18	Sample	326-06	DM3LG1A0	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	1055.000	0.000	100.000
19	Sample	326-MB	DM6FA1AAB	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
20	Sample	326-LCS	DM6FA1ACC	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
21	Sample	326-03	DM3KL1AC	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
22	Sample	326-04	DM3KP1AE	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
23	Sample	326-05	DM3K71AC	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
24	Sample	326-07	DM3L41AE	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
25	Sample	326-08	DM3MD1AC	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
26	Sample	326-09	DM3MF1AA	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
27	Sample	326-10	DM3MK1AA	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
28	Std Check	#TEPH00-205 DIE	1000 PPM	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
29	Sample	#TEPH00-208 RT	30 PPM	ICAL 10/28	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
30	Sample	321-MB	DM8P21AAB	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
31	Sample	321-LCS	DM8P21ACC	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
32	Sample	321-01	DM54C1A1	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
33	Sample	321-01 MS	DM54C1C9S	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
34	Sample	321-01 MSD	DM54C1DAD	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
35	Sample	321-02	DM54V1AC	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
36	Sample	321-04	DM5421A1	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
37	Sample	321-05	DM5451A1	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
38	Sample	321-06	DM5471A1	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
39	Sample	321-07	DM5491AC	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
40	Std Check	#TEPH00-205 DIE	1000 PPM	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
41	Sample	#TEPH00-208 RT	30 PPM	ICAL 10/28	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
42	Sample	321-08	DM55D1AC	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
43	Sample	321-09	DM55G1A2	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
44	Sample	321-21	DM56R1AX	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
45	Sample	321-22	DM5631AX	ICAL 10/19	1.000	1.000	1.000	10.000	5.000	20.000	0.000	100.000
46	Sample	321-24 10X	DM5691AC	ICAL 10/19	1.000	1.000	1.000	5.000	5.000	20.000	0.000	100.000
47	Sample	321-25 5X	DM57F1AC	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
48	Sample	321-27	DM57N1AX	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
49	Sample	341-23	DM6E41AE	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
50	Sample	341-24	DM6E61AC	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
51	Sample	341-25	DM6E71AC	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
52	Std Check	#TEPH00-205 DIE	1000 PPM	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
53	Sample	#TEPH00-208 RT	30 PPM	ICAL 10/28	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
54	Sample	341-MB	DNDGR1AAB	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
55	Sample	341-LCS	DNDGR1ACC	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
56	Sample	341-LCD	DNDGR1ADL	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
57	Sample	341-16	DM6EL1A0	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	980.000	0.000	100.000
58	Sample	341-MB	DM8QL1AAB	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
59	Sample	341-LCS	DM8QL1ACC	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
60	Sample	341-01	DM6DE1AC	ICAL 10/19	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000

good 10-27-00

000782

Supporting Raw Data

Metals

Lot # EQJ170121

000783

STL Los Angeles
Précis
ICAP Data Summary Cover Sheet

Instrument ID: ICPT - M01 Analyst: IGT
Analytical Date: 10/19/00

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

Data File: P101900

Batch	Lot/Project	Data Upload	Review/Release	Pkg.	
0290488	EOJ130341	IGT 10/20/00	NMN 10/26/00	LJ	
	(DMGDW → DMGEQ)				
	DMGDE Serial dil				
0292236	LOI190204		NMN 10/20/00	LJ	11/03
	EOJ160201 (part)		NMN 10/26/00	LJ	11/07
0292312	EOJ180158		NMN 10/20/00	LJ	
	EOJ170121			LJ	
0292475	EOJ180316		NMN 10/26/00	—	
0292229	UOJ060310			—	
	EOJ160201			LJ	11/7
	EOJ170196			—	
	EOJ170242			—	
	EOJ170247			LJ	
	UOJ160124			—	
	LOJ130237		Rec for	W.Sac	
0292312	EOJ170247		NMN 10/20/00	LJ	

Standards

Calibration Stds:	Lot #	Calibration Check Stds:	Lot #
1. Blank	101700-T1	ICV	100300-T4
2. STD1	101700-T2	CCV	101700-T5
3.		ICSA	101700-T7
4.		ICSAB 4.0	100502-T8
5.		5.	
6.		6.	

Notes/Comments:

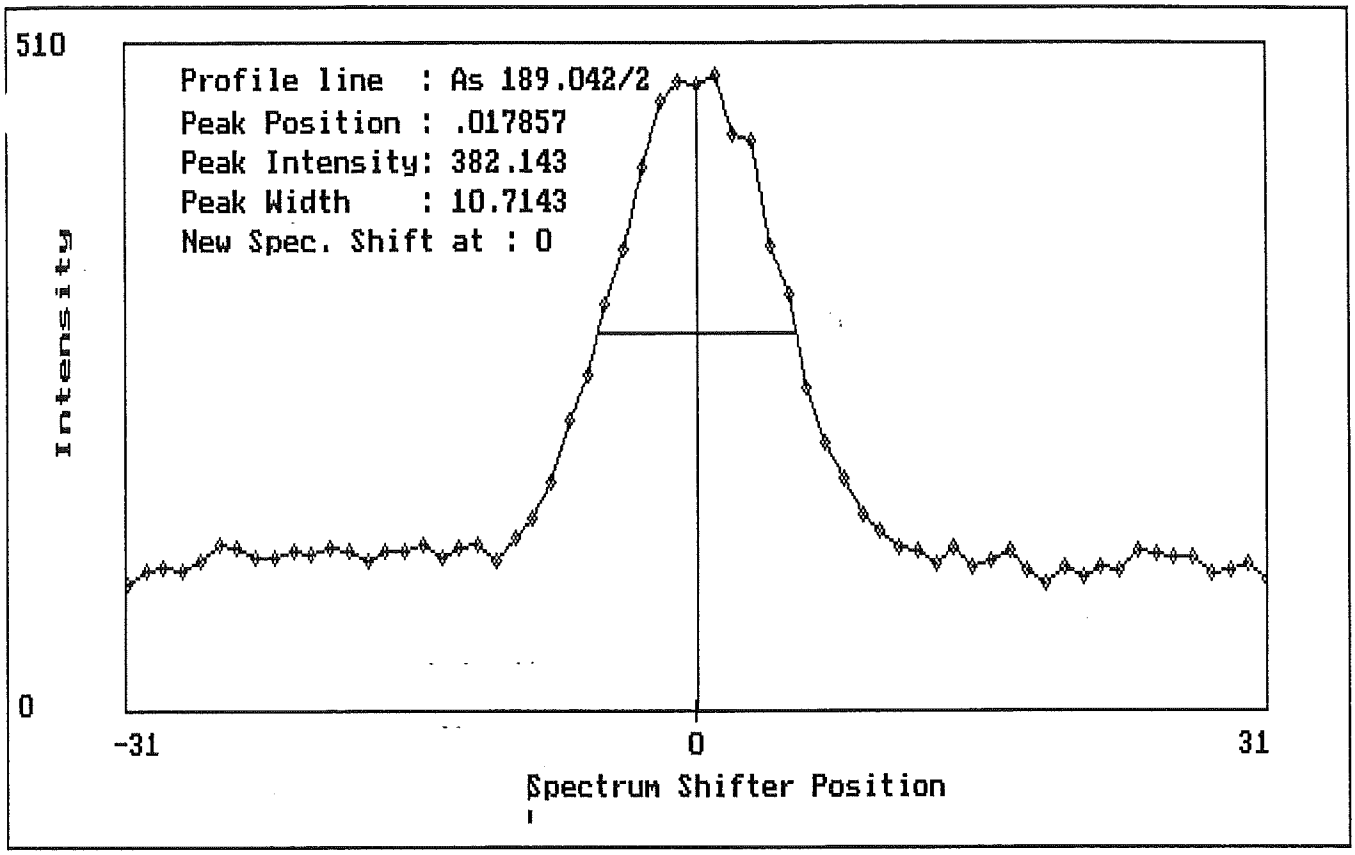
N:\metals\forms\dscs.doc
10/13/00

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	STDBLK	P101900	QTESTNAK	10/19/00	16:28		X	IR
2	STD1	P101900	QTESTNAK	10/19/00	16:35		X	IR
3	ICVHP	P101900	QTESTNAK	10/19/00	16:41	KT	S	CONC
4	ICB	P101900	QTESTNAK	10/19/00	16:49	KT	S	CONC
5	ICSA	P101900	QTESTNAK	10/19/00	16:55	KT	S	CONC
6	ICSAB4.0	P101900	QTESTNAK	10/19/00	17:03	KT	S	CONC
7	TEST-CRI	P101900	QTESTNAK	10/19/00	17:11	KT	S	CONC
8	DM6DEP 0290488	P101900	QTESTNAK	10/19/00	17:19	KT	S	CONC
9	DM6DN	P101900	QTESTNAK	10/19/00	17:26	KT	S	CONC
10	DM6D5	P101900	QTESTNAK	10/19/00	17:34	KT	S	CONC
11	DM6EA	P101900	QTESTNAK	10/19/00	17:42	KT	S	CONC
12	DM6EE	P101900	QTESTNAK	10/19/00	17:48	KT	S	CONC
13	DM6EH	P101900	QTESTNAK	10/19/00	17:54	KT	S	CONC
14	DM6EP	P101900	QTESTNAK	10/19/00	18:00	KT	S	CONC
15	CCVT	P101900	QTESTNAK	10/19/00	18:08	KT	S	CONC
16	CCBT	P101900	QTESTNAK	10/19/00	18:16	KT	Q	CONC
17	DM6ET	P101900	QTESTNAK	10/19/00	18:22	KT	S	CONC
18	DM6E4	P101900	QTESTNAK	10/19/00	18:30	KT	S	CONC
19	DNDXRB-0282475	P101900	QTESTNAK	10/19/00	18:35	KT	S	CONC
20	DNDXRC	P101900	QTESTNAK	10/19/00	18:41	KT	S	CONC
21	DNDLWF	P101900	QTESTNAK	10/19/00	18:49	KT	S	CONC
22	DNDLWPF	P101900	QTESTNAK	10/19/00	18:55	KT	S	CONC
23	DNDLWSF	P101900	QTESTNAK	10/19/00	19:01	KT	S	CONC
4	DNDLWDF	P101900	QTESTNAK	10/19/00	19:09	KT	S	CONC
25	DNDLW	P101900	QTESTNAK	10/19/00	19:17	KT	S	CONC
26	DNDLWS	P101900	QTESTNAK	10/19/00	19:25	KT	S	CONC
27	CCVT	P101900	QTESTNAK	10/19/00	19:33	KT	S	CONC
28	CCBT	P101900	QTESTNAK	10/19/00	19:41	KT	Q	CONC
29	DNDLWD	P101900	QTESTNAK	10/19/00	19:47	KT	S	CONC
30	DNCMNB-0292312	P101900	QTESTNAK	10/19/00	19:55	KT	S	CONC
31	DNCMNC	P101900	QTESTNAK	10/19/00	20:01	KT	S	CONC
32	DNCD6	P101900	QTESTNAK	10/19/00	20:11	KT	S	CONC
33	DNCEC	P101900	QTESTNAK	10/19/00	20:17	KT	S	CONC
34	DM9GX	P101900	QTESTNAK	10/19/00	20:23	KT	S	CONC
35	DM9GXP	P101900	QTESTNAK	10/19/00	20:31	KT	S	CONC
36	DM9GXS	P101900	QTESTNAK	10/19/00	20:41	KT	S	CONC
37	DM9GXD	P101900	QTESTNAK	10/19/00	20:52	KT	S	CONC
38	DNAMX	P101900	QTESTNAK	10/19/00	21:00	KT	S	CONC
39	CCVT	P101900	QTESTNAK	10/19/00	21:06	KT	S	CONC
40	CCBT	P101900	QTESTNAK	10/19/00	21:14	KT	Q	CONC
41	DNAM3	P101900	QTESTNAK	10/19/00	21:19	KT	S	CONC
42	DNAM6	P101900	QTESTNAK	10/19/00	21:25	KT	S	CONC
43	DNAM9	P101900	QTESTNAK	10/19/00	21:33	KT	S	CONC
44	DNANA	P101900	QTESTNAK	10/19/00	21:39	KT	S	CONC
45	DNAND	P101900	QTESTNAK	10/19/00	21:47	KT	S	CONC
46	DNANF	P101900	QTESTNAK	10/19/00	21:55	KT	S	CONC
47	DNANJ	P101900	QTESTNAK	10/19/00	22:03	KT	S	CONC
48	DNANT	P101900	QTESTNAK	10/19/00	22:16	KT	S	CONC
9	DNAN0	P101900	QTESTNAK	10/19/00	22:22	KT	S	CONC
50	DNAN2	P101900	QTESTNAK	10/19/00	22:27	KT	S	CONC
51	CCVT	P101900	QTESTNAK	10/19/00	22:33	KT	S	CONC
52	CCBT.	P101900	QTESTNAK	10/19/00	22:41	KT	Q	CONC
53	DNAN4	P101900	QTESTNAK	10/19/00	22:47	KT	S	CONC

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
54	DNAN6	P101900	QTESTNAK	10/19/00	22:55	KT	S	CONC
55	DNAN8	P101900	QTESTNAK	10/19/00	23:01	KT	S	CONC
56	DNCCRB-0292229 Tl>RL	P101900	QTESTNAK	10/19/00	23:07	KT	S	CONC
57	DNCCRC	P101900	QTESTNAK	10/19/00	23:15	KT	S	CONC
58	DLPAL	P101900	QTESTNAK	10/19/00	23:25	KT	S	CONC
59	DLPAM	P101900	QTESTNAK	10/19/00	23:33	KT	S	CONC
60	DLPAP	P101900	QTESTNAK	10/19/00	23:41	KT	S	CONC
61	DM8T5	P101900	QTESTNAK	10/19/00	23:50	KT	S	CONC
62	DM8T5P	P101900	QTESTNAK	10/19/00	23:58	KT	S	CONC
63	CCVT	P101900	QTESTNAK	10/20/00	00:03	KT	S	CONC
64	CCBT.	P101900	QTESTNAK	10/20/00	00:12	KT	Q	CONC
65	DM8T5S	P101900	QTESTNAK	10/20/00	00:17	KT	S	CONC
66	DM8T5D	P101900	QTESTNAK	10/20/00	00:28	KT	S	CONC
67	DM967 5X	P101900	QTESTNAK	10/20/00	00:36	KT	S	CONC
68	DNAL1F	P101900	QTESTNAK	10/20/00	00:44	KT	S	CONC
69	DNAL7F	P101900	QTESTNAK	10/20/00	00:52	KT	S	CONC
70	DNANP	P101900	QTESTNAK	10/20/00	01:02	KT	S	CONC
71	DM7PA	P101900	QTESTNAK	10/20/00	01:10	KT	S	CONC
72	DM7PD	P101900	QTESTNAK	10/20/00	01:18	KT	S	CONC
73	DM7PE	P101900	QTESTNAK	10/20/00	01:26	KT	S	CONC
74	DM7PF	P101900	QTESTNAK	10/20/00	01:34	KT	S	CONC
75	CCVT	P101900	QTESTNAK	10/20/00	01:42	KT	S	CONC
76	CCBT.	P101900	QTESTNAK	10/20/00	01:50	KT	Q	CONC
77	DM48C	P101900	QTESTNAK	10/20/00	01:56	KT	S	CONC
8	DM48CS Ref	P101900	QTESTNAK	10/20/00	02:06	KT	S	CONC
79	DM48CD	P101900	QTESTNAK	10/20/00	02:16	KT	S	CONC
80	DNA9XB-0292236	P101900	QTESTNAK	10/20/00	02:24	KT	S	CONC
81	DNA9XC	P101900	QTESTNAK	10/20/00	02:30	KT	S	CONC
82	DKLJ8	P101900	QTESTNAK	10/20/00	02:38	KT	S	CONC
83	DM8RR	P101900	QTESTNAK	10/20/00	02:46	KT	S	CONC
84	DM8RRP	P101900	QTESTNAK	10/20/00	02:59	KT	S	CONC
85	DM8RRS	P101900	QTESTNAK	10/20/00	03:07	KT	S	CONC
86	DM8RRD	P101900	QTESTNAK	10/20/00	03:15	KT	S	CONC
87	CCVT	P101900	QTESTNAK	10/20/00	03:23	KT	S	CONC
88	CCBT'	P101900	QTESTNAK	10/20/00	03:31	KT	Q	CONC
89	DM8R0	P101900	QTESTNAK	10/20/00	03:37	KT	S	CONC
90	DM8R7	P101900	QTESTNAK	10/20/00	03:43	KT	S	CONC
91	DM8TL	P101900	QTESTNAK	10/20/00	03:51	KT	S	CONC
92	DM8TQ	P101900	QTESTNAK	10/20/00	03:57	KT	S	CONC
93	DM8TT	P101900	QTESTNAK	10/20/00	04:05	KT	S	CONC
94	DM8TX	P101900	QTESTNAK	10/20/00	04:13	KT	S	CONC
95	DM8T1	P101900	QTESTNAK	10/20/00	04:21	KT	S	CONC
96	DM8T3	P101900	QTESTNAK	10/20/00	04:31	KT	S	CONC
97	DM8VK	P101900	QTESTNAK	10/20/00	04:39	KT	S	CONC
98	DM8VR	P101900	QTESTNAK	10/20/00	04:47	KT	S	CONC
99	CCVT	P101900	QTESTNAK	10/20/00	04:53	KT	S	CONC
100	CCBT'	P101900	QTESTNAK	10/20/00	05:01	KT	Q	CONC
101	DM8VW	P101900	QTESTNAK	10/20/00	05:07	KT	S	CONC
102	DM8V1	P101900	QTESTNAK	10/20/00	05:13	KT	S	CONC
3	DM8WA	P101900	QTESTNAK	10/20/00	05:21	KT	S	CONC
104	DM8WF Ref	P101900	QTESTNAK	10/20/00	05:29	KT	S	CONC
105	DM8WQ	P101900	QTESTNAK	10/20/00	05:37	KT	S	CONC
106	DM8WV	P101900	QTESTNAK	10/20/00	05:43	KT	S	CONC
107	DM8W0	P101900	QTESTNAK	10/20/00	05:49	KT	S	CONC

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
108	CCVT	P101900	QTESTNAK	10/20/00	05:55	KT	S	CONC
109	CCBT, out	P101900	QTESTNAK	10/20/00	06:05	KT	Q	CONC
110	DNF8NB-0293453	P101900	QTESTNAK	10/20/00	06:11	KT	S	CONC
111	DNF8NC	P101900	QTESTNAK	10/20/00	06:17	KT	S	CONC
112	DNCX7	P101900	QTESTNAK	10/20/00	06:25	KT	S	CONC
113	DNCX7P	P101900	QTESTNAK	10/20/00	06:33	KT	S	CONC
114	DNCX7S	P101900	QTESTNAK	10/20/00	06:39	KT	S	CONC
115	DNCX7D	P101900	QTESTNAK	10/20/00	06:47	KT	S	CONC
116	DNCX7X	P101900	QTESTNAK	10/20/00	06:55	KT	S	CONC
117	CCVT	P101900	QTESTNAK	10/20/00	07:03	KT	S	CONC
118	CCBT'	P101900	QTESTNAK	10/20/00	07:11	KT	Q	CONC

ref


510
Profile line : As 189.042/2
Peak Position : .017857
Peak Intensity: 382.143
Peak Width : 10.7143
New Spec. Shift at : 0
Intensity
0
-31
0
31
Spectrum Shifter Position

10/19/00

Method: QTESTNAK Standard: STDBLK
ı Time: 10/19/00 16:28:49

Elem	Al3082	As1890	Ba4934	Be3130	Cd_tr	Ca3179	Cr_tr
Avge	.09161	-.03159	.00000	.00167	.02050	.00167	.00418
SDev	.00085	.00334	.00000	.00001	.00301	.00001	.00060
%RSD	.92438	10.579	.00000	.27862	14.706	.27862	14.418
#1	.09221	-.03395	.00000	.00168	.02263	.00168	.00461
#2	.09101	-.02922	.00000	.00167	.01837	.00167	.00376

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Mo2020	Ni2316
Avge	-.00042	.01339	-.00042	.00126	.00000	.00084	.00000
SDev	.00000	.00004	.00000	.00060	.00000	.00000	.00000
%RSD	.27862	.27862	.27862	47.388	.00000	.27862	.00000
#1	-.00042	.01341	-.00042	.00168	.00000	.00084	.00000
#2	-.00042	.01336	-.00042	.00083	.00000	.00083	.00000

Elem	Ag_tr	Na3302	Tl1908	Ti3349	V_2924	Zn2138	Sn1899
Avge	.00000	-.00439	-.03744	-.00125	.00042	.00105	-.00084
SDev	.00059	.00088	.00217	.00000	.00000	.00030	.00000
%RSD	71783.	19.930	5.8086	.27863	.27862	28.552	.27862
#1	.00042	-.00377	-.03898	-.00126	.00042	.00126	-.00084
#2	-.00042	-.00501	-.03590	-.00125	.00042	.00083	-.00083

..em	2068_1	2068_2	2203_1	2203_2	1960_1	1960_2	B_2496
Avge	-.00125	.00418	.09912	.00397	-.01234	.00983	.0000
SDev	.00000	.00413	.01333	.00443	.00151	.00027	.0000
%RSD	.27863	98.853	13.448	111.54	12.261	2.7305	.0000
#1	-.00126	.00126	.08969	.00084	-.01341	.00964	.0000
#2	-.00125	.00710	.10854	.00710	-.01127	.01002	.0000

Elem	Sr4215	Si2881
Avge	.0000	.0734
SDev	.0000	.0001
%RSD	.0000	.1243
#1	.0000	.0733
#2	.0000	.0735

IntStd	1	2	3	4	5	6	7
Code	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4781	--	--	--	--	--	--
SDev	13.32178	--	--	--	--	--	--
%RSD	.2786226	--	--	--	--	--	--
#1	4772	--	--	--	--	--	--
#2	4791	--	--	--	--	--	--

Method: QTESTNAK Standard: STD1
Run Time: 10/19/00 16:35:12

Elem	Al3082	As1890	Ba4934	Be3130	Cd_tr	Ca3179	Cr_tr
Avge	17.181	2.1595	4.1222	6.2133	15.554	2.2052	7.5396
SDev	.095	.0053	.0231	.0313	.045	.0125	.0321
%RSD	.55323	.24620	.56081	.50328	.28827	.56777	.42607
#1	17.248	2.1633	4.1385	6.2354	15.585	2.2141	7.5623
#2	17.114	2.1558	4.1058	6.1912	15.522	2.1964	7.5169

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Mo2020	Ni2316
Avge	1.1145	3.6735	3.2006	24.929	3.3693	.44324	1.1883
SDev	.0049	.0193	.0163	.102	.0153	.00426	.0051
%RSD	.44220	.52645	.51055	.41007	.45325	.95990	.42980
#1	1.1180	3.6872	3.2122	25.002	3.3801	.44023	1.1919
#2	1.1110	3.6598	3.1891	24.857	3.3586	.44625	1.1847

Elem	Ag_tr	Na3302	Tl1908	Ti3349	V_2924	Zn2138	Sn1899
Avge	6.1969	4.1103	2.5392	2.2540	1.7529	1.0264	.18382
SDev	.0330	.0254	.0191	.0085	.0089	.0040	.00029
%RSD	.53321	.61771	.75376	.37515	.50630	.39235	.15553
#1	6.2203	4.1283	2.5527	2.2600	1.7591	1.0293	.18402
#2	6.1735	4.0924	2.5256	2.2480	1.7466	1.0236	.18362

Elem	2068_1	2068_2	2203_1	2203_2	1960_1	1960_2	B_2496
Avge	1.3596	.69050	5.4051	2.2345	.32395	.42797	.6346
SDev	.0148	.00147	.0369	.0190	.00254	.00411	.0030
%RSD	1.0855	.21317	.68181	.84975	.78470	.96040	.4697
#1	1.3492	.69154	5.4311	2.2479	.32215	.43087	.6367
#2	1.3701	.68945	5.3790	2.2211	.32575	.42506	.6325

Elem	Sr4215	Si2881
Avge	8.328	1.381
SDev	.048	.007
%RSD	.5788	.4856
#1	8.362	1.386
#2	8.294	1.376

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4510	--	--	--	--	--	--
SDev	30.09451	--	--	--	--	--	--
%RSD	.6673076	--	--	--	--	--	--
#1	4489	--	--	--	--	--	--
#2	4531	--	--	--	--	--	--

Standardization Report 10/19/00 04:41:04 PM page 1

Method: QTESTNAK Slope = Conc(SIR)/IR

Element	Wavelen	High std	Low std	Slope	Y-intercept	Date Standardized
Pb2203	220.353	NONE	NONE	.000000	.000000	*NOT STANDARDIZED
Se1960	196.026	NONE	NONE	.000000	.000000	*NOT STANDARDIZED
Sb2068	206.838	NONE	NONE	.000000	.000000	*NOT STANDARDIZED
Al3082	308.215	STD1	STDBLK	2.93369	-.268750	10/19/00 04:35:12
As1890	189.042	STD1	STDBLK	.457179	.014440	10/19/00 04:35:12
Ba4934	493.409	STD1	STDBLK	.970362	.000000	10/19/00 04:35:12
Be3130	313.042	STD1	STDBLK	.644368	-.001078	10/19/00 04:35:12
Cd_tr	226.502	STD1	STDBLK	.065158	-.001336	10/19/00 04:35:12
Ca3179	317.933	STD1	STDBLK	90.7718	-.151879	10/19/00 04:35:12
Cr_tr	267.716	STD1	STDBLK	.530934	-.002221	10/19/00 04:35:12
Co2286	228.616	STD1	STDBLK	3.59723	.001505	10/19/00 04:35:12
Cu3247	324.753	STD1	STDBLK	1.09257	-.014625	10/19/00 04:35:12
Fe2714	271.441	STD1	STDBLK	15.7506	.006588	10/19/00 04:35:12
Mg2790	279.078	STD1	STDBLK	8.01823	-.010069	10/19/00 04:35:12
Mn2576	257.610	STD1	STDBLK	1.18717	.000000	10/19/00 04:35:12
Mo2020	202.030	STD1	STDBLK	9.03013	-.007555	10/19/00 04:35:12
Ni2316	231.604	STD1	STDBLK	3.36613	.000000	10/19/00 04:35:12
Ag_tr	328.068	STD1	STDBLK	.322955	-.000000	10/19/00 04:35:12
Na3302	330.232	STD1	STDBLK	.930153	.015847	10/19/00 04:35:12
Tl1908	190.864	STD1	STDBLK	.781461	.029258	10/19/00 04:35:12
Ti3349	334.941	STD1	STDBLK	1.77403	.002226	10/19/00 04:35:12
V_2924	292.402	STD1	STDBLK	2.28399	-.000955	10/19/00 04:35:12
Zn2138	213.856	STD1	STDBLK	3.92855	-.004110	10/19/00 04:35:12
Sn1899	189.989	STD1	STDBLK	21.6797	.018137	10/19/00 04:35:12
68_1	206.831	STD1	STDBLK	.710245	.000891	10/19/00 04:35:12
2068_2	206.832	STD1	STDBLK	1.44036	-.006017	10/19/00 04:35:12
2203_1	220.351	STD1	STDBLK	.191651	-.018996	10/19/00 04:35:12
2203_2	220.352	STD1	STDBLK	.444710	-.001764	10/19/00 04:35:12
1960_1	196.021	STD1	STDBLK	2.97995	.036778	10/19/00 04:35:12
1960_2	196.022	STD1	STDBLK	2.32980	-.022901	10/19/00 04:35:12
B_2496	249.678	STD1	STDBLK	6.30296	.000000	10/19/00 04:35:12
Sr4215	421.552	STD1	STDBLK	.480304	.000000	10/19/00 04:35:12
Si2881	288.158	STD1	STDBLK	3.05906	-.224568	10/19/00 04:35:12

Method: QTESTNAK Sample Name: ICVHP Operator: KT
Run Time: 10/19/00 16:41:41
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.95720	.97599	1.0087	9.6607	.97323	1.0021	1.0242
SDev	.00414	.00000	.0106	.0161	.00398	.0001	.0005
%RSD	.43222	.00028	1.0479	.16709	.40872	.01089	.04974
#1	.95428	.97599	1.0012	9.6721	.97042	1.0021	1.0246
#2	.96013	.97599	1.0161	9.6493	.97605	1.0022	1.0239
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	.99346	39.913	1.0111	.98017	.96849	10.145	39.446
SDev	.00018	.031	.0039	.00103	.00216	.044	.004
%RSD	.01861	.07877	.38914	.10479	.22351	.43798	.01035
#1	.99333	39.891	1.0083	.97945	.97002	10.176	39.443
#2	.99359	39.935	1.0139	.98090	.96696	10.113	39.449
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	1.0274	.97849	1.0035	.38711	37.636	4.9240	1.0322
SDev	.0022	.01026	.0019	.00044	.020	.0123	.0005
%RSD	.21471	1.0482	.18878	.11436	.05237	.24940	.04421
#1	1.0258	.97123	1.0048	.38680	37.622	4.9153	1.0325
#2	1.0290	.98574	1.0021	.38742	37.650	4.9327	1.0319
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	1.0139	.99522	.93477	1.0127	1.0005	.95324	.95920
SDev	.0001	.00217	.02153	.0100	.0117	.00346	.00447
%RSD	.01253	.21857	2.3031	.98596	1.1736	.36295	.46659
#1	1.0138	.99369	.91955	1.0057	.99218	.95080	.95603
#2	1.0140	.99676	.94999	1.0198	1.0088	.95569	.96236
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	1.1000	1.1000	1.1000				
Low	.90000	.90000	.90000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.97135	.97830	.9609	1.012	L.8760
SDev	.00559	.00279	.0077	.001	.0005
%RSD	.57548	.28485	.8064	.0578	.0597
#1	.96740	.98027	.9555	1.012	L.8756
#2	.97531	.97633	.9664	1.013	L.8764
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	4703	--	--	--	--	--	--
SDev	10.09768	--	--	--	--	--	--
%RSD	.2147081	--	--	--	--	--	--
#1	4710	--	--	--	--	--	--
#2	4696	--	--	--	--	--	--

Method: QTESTNAK Sample Name: ICB Operator: KT
Run Time: 10/19/00 16:49:44
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00177	.00032	-.00371	-.04939	.00336	.00000	-.00000
SDev	.00218	.00331	.00019	.00355	.00459	.00000	.00000
%RSD	123.09	1025.0	5.1529	7.1810	136.34	.00000	26.399
#1	-.00023	.00266	-.00357	-.04688	.00661	.00000	-.00000
#2	-.00331	-.00201	-.00384	-.05190	.00012	.00000	-.00000
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	.00008	-.00021	.00044	.00000	.00021	.00001	-.00002
SDev	.00016	.00006	.00063	.00000	.00032	.00930	.00001
%RSD	195.88	26.456	142.37	45.052	152.43	80773.	33.808
#1	-.00003	-.00017	.00088	.00000	-.00002	.00659	-.00001
#2	.00019	-.00025	-.00000	.00000	.00043	-.00657	-.00002
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	.00025	-.00001	-.00141	.00027	.26679	.00363	.00000
SDev	.00035	.00000	.00199	.00019	.03715	.00624	.00000
%RSD	141.42	35.357	141.42	70.801	13.925	171.85	31.826
#1	.00050	-.00001	.00000	.00040	.24052	-.00078	.00000
#2	.00000	-.00001	-.00281	.00013	.29306	.00804	.00000
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	-.00000	.00082	-.00903	-.00496	-.00120	-.00233	-.00149
SDev	.00000	.00001	.01280	.00029	.00000	.00102	.00276
%RSD	6.1866	.61607	141.75	5.7970	.15839	43.863	184.95
#1	-.00000	.00081	.00002	-.00475	-.00121	-.00161	.00046
#2	-.00000	.00082	-.01808	-.00516	-.00120	-.00305	-.00344
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	.00006	.00046	.0000	.0000	<.0000
SDev	.00439	.00277	.0000	.0000	.0010
%RSD	7697.3	607.72	.0000	.0000	62.05
#1	.00316	.00241	.0000	.0000	<.0000
#2	-.00305	-.00150	.0000	.0000	<.0000
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			.2000	.0500	.5000
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4788	--	--	--	--	--	--
SDev	1.753611	--	--	--	--	--	--
%RSD	.0366257	--	--	--	--	--	--
#1	4787	--	--	--	--	--	--
#2	4789	--	--	--	--	--	--

Method: QTESTNAK Sample Name: ICSA Operator: KT
Run Time: 10/19/00 16:55:39
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00037	.00250	-.00515	499.98	.01269	.00091	-.00017
SDev	.00376	.00745	.00839	2.55	.01257	.00000	.00000
%RSD	1018.2	297.63	162.91	.51066	99.078	.42913	2.3282
#1	-.00229	-.00277	-.01108	501.78	.00380	.00091	-.00017
#2	.00303	.00777	.00078	498.17	H.02158	.00091	-.00018
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	.00187	486.38	-.00194	.00229	.00036	194.40	489.73
SDev	.00060	2.73	.00123	.00119	.00030	.86	1.97
%RSD	32.020	.56212	63.411	52.265	83.237	.44112	.40285
#1	.00144	488.31	-.00107	.00313	.00015	195.01	491.13
#2	.00229	484.44	-.00281	.00144	.00057	193.79	488.34
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.01000	600.00	.02000	.05000	.02500	240.00	600.00
Low	-.01000	400.00	-.02000	-.05000	-.02500	160.00	400.00

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00334	-.00694	.00000	-.00060	.04722	-.00280	-.00027
SDev	.00001	.00299	.00000	.00042	.05162	.01643	.00001
%RSD	.42913	43.141	.00000	70.345	109.31	587.32	4.1286
#1	-.00335	-.00482	.00000	-.00030	.01072	.00882	-.00027
#2	-.00333	-.00906	.00000	-.00090	.08372	-.01442	-.00026
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	-.00018	.00710	-.00966	-.00860	.00177	-.00485	.00298
SDev	.00000	.00004	.00730	.00879	.00758	.00318	.00405
%RSD	2.3801	.58277	75.614	102.15	427.70	65.637	136.13
#1	-.00018	.00713	-.01483	-.01482	-.00359	-.00710	.00011
#2	-.00018	.00707	-.00450	-.00239	.00713	-.00260	.00584
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	.00480	.00136	.0074	.0151	.0075
SDev	.00408	.00914	.0021	.0001	.0010
%RSD	84.913	673.61	27.87	.4291	13.29
#1	.00192	-.00510	.0059	.0151	.0082
#2	.00769	.00782	.0088	.0150	.0068
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	4271	--	--	--	--	--	--
SDev	18.32815	--	--	--	--	--	--
%RSD	.4291262	--	--	--	--	--	--
#1	4258	--	--	--	--	--	--
#2	4284	--	--	--	--	--	--

Method: QTESTNAK Sample Name: ICSAB4.0 Operator: KT
Run Time: 10/19/00 17:03:41
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05112	.04867	.62621	499.27	.10068	.51807	.50495
SDev	.00026	.00075	.00055	.21	.00298	.00150	.00042
%RSD	.50394	1.5334	.08766	.04238	2.9652	.28884	.08281
#1	.05130	.04920	.62583	499.42	.09857	.51701	.50466
#2	.05093	.04815	.62660	499.12	.10279	.51913	.50525
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.06000	.06000	.72000	600.00	.12000	.60000	.60000
Low	.04000	.04000	.48000	400.00	.08000	.40000	.40000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.96477	486.40	.49063	.50011	.56031	194.29	487.03
SDev	.00463	.69	.00205	.00083	.00264	.08	1.63
%RSD	.48001	.14152	.41822	.16594	.47120	.04366	.33448
#1	.96150	485.91	.48918	.49952	.56218	194.23	485.88
#2	.96805	486.89	.49208	.50070	.55844	194.35	488.19
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	.50028	.99431	.97508	.21261	H13.242	.10140	.00047
SDev	.00122	.01052	.00051	.00018	.119	.00582	.00000
%RSD	.24379	1.0584	.05273	.08327	.89546	5.7428	.67247
#1	.49942	.98687	.97472	.21274	H13.325	.10552	.00048
#2	.50115	1.0018	.97545	.21249	H13.158	.09728	.00047
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass
High	.60000	1.2000	1.2000	.24000	12.000	.12000	.10000
Low	.40000	.80000	.80000	.16000	8.0000	.08000	-.10000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.48710	1.0417	-.01955	.62331	.63202	.05077	.05129
SDev	.00007	.0082	.00715	.00427	.00690	.00363	.00220
%RSD	.01488	.78936	36.581	.68500	1.0923	7.1584	4.2902
#1	.48705	1.0359	-.01449	.62029	.63691	.04820	.05285
#2	.48715	1.0475	-.02461	.62633	.62714	.05334	.04973
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
Avge	.05648	.04478	.0058	.0151	.0039
SDev	.00683	.00229	.0041	.0000	.0004
%RSD	12.090	5.1143	70.59	.1660	9.767
#1	.06131	.04316	.0088	.0151	.0036
#2	.05165	.04640	.0029	.0152	.0042
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	4312	--	--	--	--	--	--
SDev	7.156003	--	--	--	--	--	--
%RSD	.1659656	--	--	--	--	--	--
#1	4317	--	--	--	--	--	--
#2	4307	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: CCVT Operator: KT
Run Time: 10/19/00 19:33:54
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.48003	.49103	.48698	24.101	.48287	1.9787	1.9995
SDev	.00773	.00460	.00142	.027	.00001	.0047	.0006
%RSD	1.6112	.93740	.29136	.11142	.00121	.23819	.02832
#1	.47456	.49428	.48598	24.120	.48288	1.9820	1.9991
#2	.48549	.48777	.48798	24.082	.48287	1.9753	1.9999
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	.49178	99.185	1.9879	1.9617	1.9468	24.943	100.21
SDev	.00216	.103	.0034	.0001	.0033	.042	.18
%RSD	.43915	.10399	.17157	.00726	.17102	.16860	.17566
#1	.49331	99.112	1.9903	1.9618	1.9492	24.914	100.34
#2	.49026	99.258	1.9855	1.9616	1.9445	24.973	100.09
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	110.00	2.2000	2.2000	2.2000	27.500	110.00
Low	.45000	90.000	1.8000	1.8000	1.8000	22.500	90.000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.9901	1.9409	1.9783	.98173	49.629	.96062	2.0018
SDev	.0013	.0169	.0018	.00021	.088	.01155	.0008
%RSD	.06426	.87270	.08847	.02136	.17820	1.2025	.03766
#1	1.9910	1.9289	1.9771	.98159	49.691	.96879	2.0024
#2	1.9892	1.9529	1.9795	.98188	49.566	.95246	2.0013
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	1.9901	1.9956	1.8927	.48661	.48773	.47716	.48146
SDev	.0004	.0012	.0374	.00213	.00001	.00141	.01230
%RSD	.02131	.06032	1.9747	.43844	.00255	.29506	2.5545
#1	1.9898	1.9964	1.8662	.48510	.48773	.47816	.47276
#2	1.9904	1.9947	1.9191	.48812	.48772	.47616	.49015
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

nits			ppm	ppm	ppm
Avge	.47900	.49703	1.966	2.001	H2.254
SDev	.00582	.00981	.008	.003	.076
%RSD	1.2155	1.9733	.4115	.1589	3.353
#1	.47489	.50397	1.972	2.003	H2.308
#2	.48312	.49010	1.960	1.999	H2.201
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC High
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	4645	--	--	--	--	--	--
SDev	5.515640	--	--	--	--	--	--
%RSD	.1187390	--	--	--	--	--	--
#1	4641	--	--	--	--	--	--
#2	4649	--	--	--	--	--	--

Analysis Report QC Standard 10/19/00 07:47:49 PM page 1

Method: QTESTNAK Sample Name: CCBT Operator: KT
Run Time: 10/19/00 19:41:57
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00058	.00191	-.00425	-.10243	.00234	.00000	-.00000
SDev	.00147	.00188	.00098	.00509	.00068	.00000	.00000
%RSD	255.11	98.673	23.114	4.9670	29.071	.00000	28.446
#1	.00161	.00058	-.00495	-.09883	.00282	.00000	-.00000
#2	-.00046	.00323	-.00356	-.10603	.00186	.00000	-.00000
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	.00093	.03730	.00021	.00001	.00063	-.00325	-.00004
SDev	.00051	.00009	.00000	.00000	.00032	.01392	.00001
%RSD	55.050	.24632	.68612	11.255	49.906	428.00	16.685
#1	.00130	.03724	.00021	.00001	.00085	.00659	-.00005
#2	.00057	.03737	.00022	.00000	.00041	-.01310	-.00004
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00000	-.00003	.00000	.00013	.36100	.00727	.00001
SDev	.00000	.00000	.00000	.00019	.09586	.00160	.00000
%RSD	.00000	8.2993	.00000	141.70	26.553	22.022	13.778
#1	.00000	-.00003	.00000	-.00000	.29322	.00614	.00001
#2	.00000	-.00003	.00000	.00027	.42878	.00840	.00001
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.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	-.00048	-.00084	.00007	-.00622	-.00031	-.00139	.00156
SDev	.00067	.00000	.00001	.00041	.00213	.00137	.00288
%RSD	140.27	.45714	12.684	6.6278	678.35	97.951	184.89
#1	-.00000	-.00084	.00007	-.00651	-.00182	-.00236	.00360
#2	-.00096	-.00084	.00006	-.00593	.00119	-.00043	-.00048
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

nits			ppm	ppm	ppm
Avge	.00200	.00186	<.0000	.0000	.0489
SDev	.00701	.00068	.0019	.0000	.0008
%RSD	350.74	36.639	141.4	.0000	1.572
#1	-.00296	.00234	.0000	.0000	.0495
#2	.00696	.00138	<.0000	.0000	.0484
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	4798	--	--	--	--	--	--
SDev	2.319158	--	--	--	--	--	--
%RSD	.0483343	--	--	--	--	--	--
#1	4800	--	--	--	--	--	--
#2	4797	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DNDLWD Operator: KT
Run Time: 10/19/00 19:47:52
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49362	1.9162	.44899	83.789	1.8825	2.2533	.04840
SDev	.00053	.0027	.00226	.240	.0071	.0019	.00021
%RSD	.10756	.13930	.50377	.28679	.37895	.08246	.44228
#1	.49325	1.9181	.44740	83.959	1.8775	2.2520	.04856
#2	.49400	1.9143	.45059	83.619	1.8876	2.2546	.04825
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	.04838	504.77	.25631	.49111	.28882	49.930	277.59
SDev	.00077	.74	.00099	.00026	.00015	.032	.48
%RSD	1.5902	.14623	.38715	.05188	.05005	.06506	.17417
#1	.04783	504.25	.25561	.49093	.28872	49.953	277.25
#2	.04892	505.29	.25701	.49129	.28893	49.907	277.93
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	1.5380	.94622	.50345	.04930	654.13	2.0413	1.8590
SDev	.0040	.00486	.00437	.00032	1.41	.0182	.0004
%RSD	.25835	.51345	.86884	.64699	.21603	.89064	.01910
#1	1.5351	.94279	.50654	.04907	655.13	2.0284	1.8593
#2	1.5408	.94966	.50035	.04952	653.13	2.0541	1.8588
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	.58028	.62961	2.0251	.44887	.44925	.49712	.49188
SDev	.00127	.00243	.0229	.00315	.00047	.00375	.00108
%RSD	.21822	.38624	1.1303	.70269	.10567	.75402	.21863
#1	.57938	.62789	2.0413	.44664	.44891	.49447	.49264
#2	.58118	.63133	2.0089	.45110	.44958	.49977	.49112
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

nits			ppm	ppm	ppm
Avge	1.8897	1.9294	1.790	5.287	H73.24
SDev	.0099	.0009	.003	.002	.25
%RSD	.52402	.04881	.1518	.0297	.3451
#1	1.8967	1.9288	1.788	5.286	H73.07
#2	1.8827	1.9301	1.792	5.288	H73.42
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC High
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	4293	--	--	--	--	--	--
SDev	18.38478	--	--	--	--	--	--
%RSD	.4282900	--	--	--	--	--	--
#1	4280	--	--	--	--	--	--
#2	4306	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DNCMNB-0292312 Operator: KT
Run Time: 10/19/00 19:55:55
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00011	.00199	-.00180	-.07970	.00126	.00082	.00028
SDev	.00114	.00534	.00412	.00026	.00447	.00000	.00000
%RSD	1071.4	267.53	229.12	.32898	355.74	.14352	.74556
#1	-.00070	-.00178	-.00471	-.07951	.00442	.00082	.00028
#2	.00091	H.00577	.00112	-.07988	-.00191	.00082	.00028
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	.00119	.03925	.00180	-.00001	.00079	.00662	.00510
SDev	.00066	.00027	.00001	.00000	.00030	.00937	.00246
%RSD	55.669	.69839	.32947	19.029	38.476	141.71	48.104
#1	.00165	.03944	.00181	-.00001	.00057	.01325	.00684
#2	.00072	.03905	.00180	-.00001	.00100	-.00001	.00337
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	.00050	-.00185	.00000	.00014	.61912	-.00234	.00073
SDev	.00000	.00270	.00000	.00038	.01183	.00702	.00000
%RSD	.14353	146.00	.00000	282.76	1.9100	300.08	.29324
#1	.00050	.00006	.00000	.00041	.62749	-.00730	.00073
#2	.00050	-.00376	.00000	-.00014	.61076	.00262	.00073
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	-.00096	.00251	-.02295	-.00332	.00124	.00031	.00000
SDev	.00000	.00001	.00651	.00448	.00340	.00003	.00172
%RSD	.12117	.40523	28.387	135.07	273.60	8.8943	51640.
#1	-.00096	.00251	-.02756	-.00648	-.00116	.00033	-.00121
#2	-.00096	.00250	-.01834	-.00015	.00365	.00029	.00122
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

.nits			ppm	ppm	ppm
Avge	-.01593	.01094	<.0000	.0002	.1851
SDev	.00363	.00619	.0019	.0000	.0334
%RSD	22.757	56.569	141.4	.1435	18.03
#1	-.01849	.00657	.0000	.0002	.2087
#2	-.01337	.01532	<.0000	.0002	.1615
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	4749	--	--	--	--	--	--
SDev	6.816261	--	--	--	--	--	--
%RSD	.1435190	--	--	--	--	--	--
#1	4745	--	--	--	--	--	--
#2	4754	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DNCMNC Operator: KT
Run Time: 10/19/00 20:01:49
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.46078	1.6723	.46381	1.8102	1.7640	1.9857	.04958
SDev	.00224	.0022	.00216	.0010	.0134	.0060	.00009
%RSD	.48589	.13356	.46625	.05709	.76123	.30196	.17884
#1	.46237	1.6707	.46229	1.8109	1.7734	1.9815	.04952
#2	.45920	1.6739	.46534	1.8094	1.7545	1.9899	.04964
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	.05012	48.475	.20144	.49127	.24821	.96838	49.223
SDev	.00104	.127	.00025	.00259	.00025	.00823	.036
%RSD	2.0785	.26172	.12201	.52651	.09901	.84981	.07227
#1	.04938	48.385	.20127	.48944	.24838	.96256	49.198
#2	.05085	48.565	.20161	.49310	.24804	.97420	49.248
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
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	.49729	.96646	.48357	.04757	47.351	1.8964	1.0434
SDev	.00250	.00810	.00124	.00039	.132	.0080	.0014
%RSD	.50353	.83779	.25609	.82412	.27831	.42116	.13183
#1	.49552	.96073	.48270	.04785	47.258	1.9020	1.0425
#2	.49907	.97218	.48445	.04730	47.444	1.8907	1.0444
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
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	.49838	.47308	1.8560	.46197	.46751	.46543	.45846
SDev	.00264	.00196	.0023	.00307	.00034	.00364	.00154
%RSD	.52904	.41362	.12266	.66512	.07261	.78123	.33621
#1	.49651	.47169	1.8543	.45980	.46727	.46800	.45955
#2	.50024	.47446	1.8576	.46414	.46775	.46286	.45737
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

ıits			ppm	ppm	ppm
Avge	1.6381	1.6894	.9553	1.037	6.805
SDev	.0014	.0041	.0020	.003	.116
%RSD	.08694	.24031	.2110	.3260	1.704
#1	1.6391	1.6865	.9539	1.035	6.887
#2	1.6371	1.6923	.9567	1.040	6.723
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	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	4552	--	--	--	--	--	--
SDev	27.71872	--	--	--	--	--	--
%RSD	.6088762	--	--	--	--	--	--
#1	4533	--	--	--	--	--	--
#2	4572	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DNCD6 Operator: KT
Run Time: 10/19/00 20:11:56
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.20656	L-.01197	-.00229	262.72	.06381	2.1336	.00694
SDev	.00159	.00123	.00192	.47	.00623	.0003	.00003
%RSD	.77027	10.266	83.715	.17949	9.7568	.01174	.40030
#1	.20543	L-.01284	-.00365	262.39	.05941	2.1335	.00696
#2	.20768	L-.01110	-.00094	263.05	.06821	2.1338	.00692
Errors	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01159	313.35	.31646	.13253	.49676	306.13	132.15
SDev	.00002	.59	.00068	.00064	.00019	.38	.01
%RSD	.20325	.18941	.21578	.48696	.03899	.12557	.01121
#1	.01161	312.93	.31694	.13298	.49690	305.86	132.14
#2	.01158	313.77	.31597	.13207	.49662	306.40	132.16
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	5.6231	.02731	.22112	-.00240	36.721	-.00184	16.303
SDev	.0137	.00003	.00243	.00010	.131	.00619	.048
%RSD	.24277	.09727	1.0984	4.3489	.35780	336.19	.29176
#1	5.6134	.02729	.21940	-.00248	36.629	.00254	16.270
#2	5.6327	.02732	.22284	-.00233	36.814	-.00622	16.337
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	.60607	.97921	.01527	-.00483	.00280	.21671	.20148
SDev	.00222	.00402	.00677	.00402	.00230	.00134	.00305
%RSD	.36678	.41023	44.309	83.252	82.114	.61617	1.5148
#1	.60450	.97637	.02006	-.00768	.00442	.21766	.19933
#2	.60764	.98206	.01049	-.00199	.00117	.21577	.20364
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

nits			ppm	ppm	ppm
Avge	-.01219	-.01186	.2091	2.929	1.959
SDev	.01120	.00375	.0032	.001	.012
%RSD	91.946	31.636	1.550	.0226	.6360
#1	-.02011	-.00921	.2068	2.929	1.967
#2	-.00426	-.01451	.2114	2.928	1.950
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	4582	--	--	--	--	--	--
SDev	14.25538	--	--	--	--	--	--
%RSD	.3111143	--	--	--	--	--	--
#1	4572	--	--	--	--	--	--
#2	4592	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DNCEC Operator: KT
Run Time: 10/19/00 20:17:51
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04637	.00371	-.00133	161.29	.03150	.87570	.00350
SDev	.00148	.00091	.00297	.27	.00236	.00221	.00022
%RSD	3.1864	24.469	222.37	.16839	7.5011	.25263	6.2112
#1	.04742	.00435	-.00343	161.48	.02983	.87726	.00365
#2	.04533	.00307	.00076	161.10	.03317	.87413	.00334
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	.00021	56.357	.31720	.08952	.15738	233.99	63.855
SDev	.00045	.103	.00087	.00055	.00054	.49	.297
%RSD	219.84	.18271	.27389	.60859	.34052	.21119	.46482
#1	-.00011	56.430	.31781	.08990	.15776	234.34	64.065
#2	.00053	56.284	.31658	.08913	.15700	233.64	63.645
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	3.4250	-.00848	.13597	-.00182	6.8717	L-.01220	8.6363
SDev	.0053	.00260	.00170	.00018	.0383	.00823	.0072
%RSD	.15594	30.602	1.2477	10.054	.55691	67.516	.08320
#1	3.4288	-.00665	.13717	-.00169	6.8988	-.00637	8.6414
#2	3.4212	-.01032	.13477	-.00195	6.8446	L-.01802	8.6312
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	.59999	.43357	-.01129	-.00179	-.00042	.05314	.04300
SDev	.00091	.00003	.01295	.00215	.00462	.00351	.00046
%RSD	.15151	.00656	114.71	119.76	1098.8	6.6111	1.0734
#1	.59935	.43359	-.02044	-.00331	-.00368	.05562	.04333
#2	.60063	.43355	-.00213	-.00027	.00284	.05065	.04267
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

nits			ppm	ppm	ppm
Avge	.00184	.00464	.0237	.2871	1.385
SDev	.00107	.00189	.0001	.0006	.008
%RSD	58.058	40.791	.5150	.2179	.5985
#1	.00108	.00598	.0238	.2875	1.391
#2	.00260	.00331	.0237	.2866	1.379
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	4778	--	--	--	--	--	--
SDev	24.60752	--	--	--	--	--	--
%RSD	.5150000	--	--	--	--	--	--
#1	4761	--	--	--	--	--	--
#2	4796	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DM9GX Operator: KT
n Time: 10/19/00 20:23:46
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05482	-.00091	.00166	241.49	.03558	2.4954	.00701
SDev	.00044	.01100	.00028	.05	.00046	.0049	.00004
%RSD	.79940	1212.8	16.954	.02217	1.2845	.19529	.58102
#1	.05451	L-.00868	.00186	241.52	.03590	2.4920	.00704
#2	.05513	.00687	.00146	241.45	.03526	2.4989	.00698
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	.00180	37.743	.27311	.10605	.18787	264.59	64.299
SDev	.00050	.111	.00254	.00037	.00024	.82	.097
%RSD	27.587	.29498	.92854	.34743	.12865	.30832	.15044
#1	.00215	37.664	.27131	.10579	.18804	264.01	64.231
#2	.00145	37.822	.27490	.10631	.18770	265.17	64.368
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	4.5731	-.00117	.20818	-.00222	8.5840	-.00049	10.877
SDev	.0189	.00244	.00292	.00010	.0154	.00024	.020
%RSD	.41424	208.75	1.4040	4.5098	.17948	49.355	.18752
#1	4.5597	.00056	.20612	-.00229	8.5949	-.00066	10.862
#2	4.5865	-.00289	.21025	-.00215	8.5731	-.00032	10.891
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	.51208	.50920	.00861	.00057	.00385	.06277	.05085
SDev	.00144	.00407	.00623	.00422	.00931	.00180	.00024
%RSD	.28184	.80021	72.350	744.12	241.60	2.8750	.47972
#1	.51106	.50632	.00421	-.00242	.01043	.06150	.05103
#2	.51310	.51208	.01302	.00355	-.00273	.06405	.05068
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

ıits			ppm	ppm	ppm
Avge	-.00664	.00195	.0387	.6076	1.376
SDev	.00712	.01293	.0002	.0017	.009
%RSD	107.21	661.56	.4692	.2863	.6746
#1	-.01167	-.00719	.0389	.6064	1.382
#2	-.00161	.01110	.0386	.6088	1.369
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	4883	--	--	--	--	--	--
SDev	22.91054	--	--	--	--	--	--
%RSD	.4692013	--	--	--	--	--	--
#1	4867	--	--	--	--	--	--
#2	4899	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: DM9GXP Operator: KT
n Time: 10/19/00 20:31:49
Comment:
Mode: CONC Corr. Factor: 5

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L.04450	L.00321	L-.02217	242.01	L.06236	2.5707	.00765
SDev	.00440	.01472	.00706	1.01	.00812	.0052	.00004
%RSD	9.8865	458.39	31.820	.41568	13.025	.20381	.56634
#1	L.04139	L-.00720	L-.01719	242.72	L.05662	2.5744	.00768
#2	L.04761	L.01362	L-.02716	241.29	L.06810	2.5670	.00762
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.00115	39.939	.30042	.11736	.18596	278.18	68.045
SDev	.00072	.005	.00098	.00481	.00082	.05	.214
%RSD	62.789	.01355	.32566	4.0973	.44186	.01927	.31491
#1	L.00167	39.935	.30112	.11396	.18538	278.22	68.197
#2	L.00064	39.943	.29973	.12076	.18654	278.15	67.894
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	4.8127	L-.00968	.21716	L-.00079	9.7998	L-.00589	11.400
SDev	.0012	.00001	.00068	.00047	.3824	.00862	.022
%RSD	.02452	.05594	.31490	60.018	3.9022	146.28	.18917
#1	4.8135	L-.00967	.21764	L-.00046	9.5294	L-.01199	11.385
#2	4.8118	L-.00968	.21668	L-.00113	10.070	L.00020	11.416
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	.52692	.56492	L.00858	-.02274	-.02104	.03953	.04698
SDev	.00162	.00197	.03168	.01690	.01267	.01368	.00023
%RSD	.30674	.34907	369.06	74.331	60.201	34.607	.49774
#1	.52578	.56631	L.03098	-.01079	-.03000	.02986	.04715
#2	.52806	.56353	L-.01382	-.03469	-.01208	.04920	.04681
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

its			ppm	ppm	ppm
Avge	-.01472	.01216	L.0394	.6262	1.497
SDev	.00377	.02395	.0001	.0013	.005
%RSD	25.610	196.93	.3149	.2020	.3511
#1	-.01205	-.00477	L.0394	.6271	1.493
#2	-.01738	.02910	L.0393	.6253	1.501
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	4805	--	--	--	--	--	--
SDev	15.13202	--	--	--	--	--	--
%RSD	.3149053	--	--	--	--	--	--
#1	4795	--	--	--	--	--	--
#2	4816	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DM9GXS Operator: KT
ı Time: 10/19/00 20:41:56
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49277	1.5838	.18683	278.81	1.6813	3.8624	.05331
SDev	.00047	.0005	.00180	.04	.0083	.0051	.00002
%RSD	.09624	.03314	.96526	.01478	.49132	.13097	.02779
#1	.49244	1.5842	.18810	278.84	1.6872	3.8588	.05330
#2	.49311	1.5834	.18555	278.78	1.6755	3.8660	.05332
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	.04912	82.679	.47138	.57131	.44042	268.68	111.53
SDev	.00040	.040	.00107	.00125	.00038	.12	.17
%RSD	.81912	.04842	.22785	.21886	.08556	.04343	.15321
#1	.04884	82.651	.47062	.57042	.44069	268.60	111.40
#2	.04941	82.707	.47214	.57219	.44016	268.77	111.65
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	5.2601	.83840	.66288	.04342	55.929	1.7803	12.142
SDev	.0206	.00797	.00043	.00009	.118	.0146	.038
%RSD	.39214	.95051	.06450	.20160	.21172	.82221	.30941
#1	5.2455	.83276	.66318	.04335	56.013	1.7700	12.115
#2	5.2747	.84403	.66258	.04348	55.846	1.7907	12.168
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	1.0073	.97545	1.7091	.18266	.19517	.50820	.48507
SDev	.0013	.00834	.0243	.00268	.00004	.00021	.00061
%RSD	.12573	.85470	1.4233	1.4690	.02096	.04130	.12497
#1	1.0064	.96955	1.7263	.18456	.19520	.50805	.48465
#2	1.0082	.98134	1.6919	.18077	.19514	.50835	.48550
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

nits			ppm	ppm	ppm
Avge	1.5716	1.5899	.9097	1.556	3.161
SDev	.0030	.0023	.0014	.003	.018
%RSD	.19396	.14521	.1558	.1945	.5724
#1	1.5694	1.5916	.9087	1.554	3.174
#2	1.5737	1.5883	.9107	1.558	3.149
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	4753	--	--	--	--	--	--
SDev	31.79149	--	--	--	--	--	--
%RSD	.6688665	--	--	--	--	--	--
#1	4731	--	--	--	--	--	--
#2	4776	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DM9GXD Operator: KT
n Time: 10/19/00 20:52:03
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49441	1.5784	.24031	272.29	1.6818	3.7844	.05374
SDev	.00122	.0060	.00572	.71	.0149	.0011	.00006
%RSD	.24775	.38109	2.3787	.26131	.88345	.02976	.12073
#1	.49354	1.5742	.23627	272.79	1.6923	3.7836	.05379
#2	.49527	1.5827	.24435	271.79	1.6712	3.7852	.05370
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	.04888	83.716	.46403	.57372	.44268	263.30	111.38
SDev	.00060	.102	.00294	.00042	.00306	.02	.17
%RSD	1.2191	.12221	.63326	.07278	.69224	.00783	.15593
#1	.04930	83.644	.46195	.57343	.44485	263.32	111.26
#2	.04846	83.788	.46611	.57402	.44051	263.29	111.50
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	5.1702	.84620	.66606	.04360	56.240	1.7990	11.776
SDev	.0228	.00974	.00208	.00018	.341	.0119	.017
%RSD	.44064	1.1505	.31159	.41424	.60591	.66381	.14109
#1	5.1540	.83932	.66753	.04347	56.481	1.7905	11.764
#2	5.1863	.85308	.66460	.04372	55.999	1.8074	11.788
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	.99348	.96994	1.7175	.23567	.24959	.50594	.48865
SDev	.00286	.00120	.0051	.01238	.00764	.00336	.00016
%RSD	.28760	.12367	.29659	5.2544	3.0602	.66465	.03225
#1	.99146	.96910	1.7139	.22692	.25499	.50356	.48854
#2	.99550	.97079	1.7211	.24443	.24419	.50831	.48876
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

nits			ppm	ppm	ppm
Avge	1.5586	1.5883	.9203	1.570	2.837
SDev	.0017	.0099	.0014	.001	.021
%RSD	.10805	.62072	.1541	.0882	.7270
#1	1.5598	1.5814	.9193	1.569	2.852
#2	1.5574	1.5953	.9213	1.571	2.822
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	4705	--	--	--	--	--	--
SDev	21.80741	--	--	--	--	--	--
%RSD	.4634845	--	--	--	--	--	--
#1	4690	--	--	--	--	--	--
#2	4721	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DNAMX Operator: KT
n Time: 10/19/00 21:00:05
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05479	-.00471	.00070	210.91	.05240	1.7209	.00649
SDev	.00639	.00289	.00101	.43	.00085	.0000	.00006
%RSD	11.668	61.238	144.13	.20307	1.6303	.00280	.88078
#1	.05931	L-.00675	-.00001	211.22	.05180	1.7209	.00653
#2	.05027	-.00267	.00141	210.61	.05300	1.7208	.00645
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	.00289	115.97	.30807	.11615	.29689	254.48	70.416
SDev	.00007	.10	.00021	.00216	.00090	.14	.040
%RSD	2.3169	.09038	.06864	1.8636	.30218	.05614	.05718
#1	.00294	115.89	.30822	.11462	.29752	254.58	70.388
#2	.00285	116.04	.30792	.11768	.29625	254.38	70.445
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	3.8350	.00289	.19935	-.00208	33.877	L-.01279	15.698
SDev	.0032	.00530	.00145	.00040	.179	.00107	.021
%RSD	.08216	183.68	.72803	19.157	.52847	8.3312	.13469
#1	3.8328	.00664	.20038	-.00236	34.003	L-.01203	15.713
#2	3.8372	-.00086	.19832	-.00180	33.750	L-.01354	15.683
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	.48910	.58322	.00333	-.00209	.00628	.06392	.05023
SDev	.00096	.00134	.01299	.00483	.00665	.00708	.00605
%RSD	.19685	.23003	389.57	231.41	105.87	11.082	12.041
#1	.48979	.58228	-.00585	-.00550	.01098	.06893	.05451
#2	.48842	.58417	.01252	.00133	.00158	.05891	.04595
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

nits			ppm	ppm	ppm
Avge	-.01164	-.00125	.0533	.6746	1.614
SDev	.00231	.00548	.0004	.0004	.007
%RSD	19.846	436.80	.7280	.0599	.4324
#1	-.01001	-.00513	.0536	.6743	1.619
#2	-.01327	.00262	.0531	.6749	1.609
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4728	--	--	--	--	--	--
SDev	34.42208	--	--	--	--	--	--
%RSD	.7280321	--	--	--	--	--	--
#1	4704	--	--	--	--	--	--
#2	4752	--	--	--	--	--	--

Method: QTESTNAK Sample Name: CCVT Operator: KT
n Time: 10/19/00 21:06:00
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.47641	.48328	.48927	23.998	.47452	1.9657	1.9898
SDev	.00070	.00009	.00632	.105	.00095	.0043	.0012
%RSD	.14608	.01852	1.2915	.43892	.19938	.21714	.05921
#1	.47691	.48335	.48481	24.072	.47519	1.9627	1.9890
#2	.47592	.48322	.49374	23.923	.47385	1.9687	1.9906
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	.48859	98.721	1.9808	1.9537	1.9361	24.751	99.889
SDev	.00080	.113	.0008	.0038	.0067	.026	.056
%RSD	.16340	.11417	.04117	.19274	.34851	.10601	.05591
#1	.48803	98.800	1.9803	1.9510	1.9409	24.769	99.850
#2	.48915	98.641	1.9814	1.9563	1.9313	24.732	99.929
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	110.00	2.2000	2.2000	2.2000	27.500	110.00
Low	.45000	90.000	1.8000	1.8000	1.8000	22.500	90.000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.9792	1.9217	1.9751	.97927	49.542	.94917	1.9963
SDev	.0022	.0356	.0003	.00252	.279	.00605	.0007
%RSD	.11263	1.8508	.01310	.25699	.56262	.63720	.03398
#1	1.9776	1.8965	1.9750	.98105	49.739	.94489	1.9968
#2	1.9807	1.9468	1.9753	.97749	49.345	.95345	1.9958
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	1.9843	1.9909	1.8696	.49098	.48586	.47024	.47949
SDev	.0014	.0031	.0171	.00686	.00523	.00104	.00052
%RSD	.06830	.15608	.91353	1.3973	1.0772	.22215	.10884
#1	1.9833	1.9887	1.8575	.48613	.48216	.47098	.47986
#2	1.9852	1.9931	1.8817	.49583	.48956	.46950	.47913
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

nits			ppm	ppm	ppm
Avge	.48388	.48299	1.947	1.994	2.002
SDev	.00116	.00071	.013	.002	.003
%RSD	.24015	.14790	.6428	.1246	.1577
#1	.48305	.48349	1.938	1.992	2.005
#2	.48470	.48248	1.956	1.995	2.000
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	4668	--	--	--	--	--	--
SDev	6.618768	--	--	--	--	--	--
%RSD	.1417927	--	--	--	--	--	--
#1	4663	--	--	--	--	--	--
#2	4673	--	--	--	--	--	--

Analysis Report QC Standard 10/19/00 09:19:54 PM page 1

Method: QTESTNAK Sample Name: CCBT Operator: KT
n Time: 10/19/00 21:14:03
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00258	.00296	-.00185	-.08522	.00062	.00000	.00026
SDev	.00170	.00256	.00225	.01013	.00001	.00000	.00000
%RSD	65.839	86.494	121.53	11.886	2.1930	.00000	.71871
#1	-.00378	.00477	-.00026	-.07805	.00063	.00000	.00026
#2	-.00138	.00115	-.00343	-.09238	.00061	.00000	.00026
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	.00030	.03614	.00020	.00150	.00031	-.00330	-.00345
SDev	.00006	.00018	.00063	.00000	.00065	.01384	.00005
%RSD	18.563	.48909	313.95	.03761	209.24	418.76	1.4596
#1	.00026	.03602	-.00024	.00150	-.00015	-.01309	-.00349
#2	.00034	.03627	.00064	.00150	.00077	.00648	-.00342
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	-.00194	.00140	-.00013	.30211	-.00134	.00076
SDev	.00000	.00265	.00197	.00038	.03641	.00117	.00000
%RSD	.00000	136.53	141.42	282.29	12.051	86.713	.20027
#1	.00000	-.00382	.00000	-.00040	.32785	-.00052	.00076
#2	.00000	-.00007	.00279	.00013	.27636	-.00217	.00076
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	-.00048	-.00086	-.01330	-.00229	-.00096	-.00568	-.00104
SDev	.00067	.00001	.00638	.00275	.00124	.00041	.00235
%RSD	137.89	.93377	47.976	119.80	129.81	7.1647	226.15
#1	-.00001	-.00085	-.00879	-.00035	-.00008	-.00596	-.00270
#2	-.00096	-.00087	-.01781	-.00423	-.00184	-.00539	.00062
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	.00159	.00364	.0000	.0000	.0080
SDev	.00091	.00338	.0000	.0000	.0025
%RSD	56.903	92.962	.0000	.0000	30.97
#1	.00223	.00603	.0000	.0000	.0097
#2	.00095	.00125	.0000	.0000	.0062
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	4828	--	--	--	--	--	--
SDev	4.525415	--	--	--	--	--	--
%RSD	.0937373	--	--	--	--	--	--
#1	4831	--	--	--	--	--	--
#2	4825	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DNAM3 Operator: KT
Run Time: 10/19/00 21:19:58
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06420	L-.00573	-.00230	213.36	.06268	1.6231	.00733
SDev	.00060	.00108	.00428	.72	.00024	.0097	.00003
%RSD	.93391	18.919	186.38	.33681	.38295	.59816	.36484
#1	.06462	L-.00649	-.00532	212.85	.06285	1.6162	.00734
#2	.06377	-.00496	.00073	213.87	.06251	1.6300	.00731
Errors	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00112	48.442	.30171	.12793	.25521	270.82	74.414
SDev	.00012	.203	.00126	.00044	.00041	.75	.505
%RSD	11.029	.41847	.41848	.34549	.15989	.27826	.67888
#1	.00121	48.298	.30082	.12761	.25550	270.29	74.057
#2	.00103	48.585	.30260	.12824	.25492	271.36	74.771
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	4.8165	-.00066	.23995	-.00281	19.161	-.00368	15.882
SDev	.0362	.00250	.00070	.00019	.048	.00080	.052
%RSD	.75111	376.84	.29020	6.8287	.25049	21.586	.32984
#1	4.7910	.00110	.24044	-.00294	19.127	-.00312	15.845
#2	4.8421	-.00243	.23946	-.00267	19.195	-.00425	15.919
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	.51808	.55115	.00286	-.00747	.00807	.07665	.05798
SDev	.00170	.00389	.00005	.00815	.00347	.00425	.00122
%RSD	.32728	.70561	1.6421	109.07	43.034	5.5407	2.1065
#1	.51688	.54840	.00289	-.01324	.01053	.07965	.05712
#2	.51928	.55390	.00283	-.00171	.00562	.07365	.05885
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

nits			ppm	ppm	ppm
Avge	-.01296	-.00211	.0584	.5719	1.511
SDev	.00071	.00198	.0017	.0037	.006
%RSD	5.4977	93.743	2.853	.6396	.3745
#1	-.01246	-.00351	.0573	.5694	1.507
#2	-.01347	-.00071	.0596	.5745	1.515
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	4854	--	--	--	--	--	--
SDev	14.08551	--	--	--	--	--	--
%RSD	.2901932	--	--	--	--	--	--
#1	4844	--	--	--	--	--	--
#2	4864	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DNAM6 Operator: KT
n Time: 10/19/00 21:25:52
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.07094	-.00343	.00006	224.70	.06454	1.8932	.00774
SDev	.00204	.01075	.00005	.36	.00341	.0007	.00026
%RSD	2.8738	313.30	88.091	.16013	5.2771	.03538	3.3068
#1	.07238	L-.01104	.00002	224.95	.06695	1.8937	.00792
#2	.06950	.00417	.00010	224.44	.06213	1.8928	.00756
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	.00032	61.680	.32472	.13335	.29475	285.15	76.490
SDev	.00124	.033	.00129	.00084	.00030	.27	.034
%RSD	384.15	.05317	.39630	.62838	.10297	.09539	.04507
#1	-.00055	61.703	.32381	.13275	.29497	285.35	76.514
#2	.00120	61.656	.32563	.13394	.29454	284.96	76.466
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	5.2329	.00260	.25534	-.00260	26.932	-.00520	15.317
SDev	.0109	.00517	.00303	.00001	.128	.01242	.006
%RSD	.20878	198.83	1.1872	.56772	.47623	238.83	.03754
#1	5.2252	.00625	.25320	-.00261	27.023	L-.01398	15.313
#2	5.2406	-.00106	.25749	-.00259	26.841	.00358	15.321
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.53407	.60227	.00240	.00027	-.00037	.07796	.06743
SDev	.00077	.00097	.02536	.00226	.00437	.00057	.00277
%RSD	.14431	.16024	1055.2	828.19	1182.2	.72792	4.1125
#1	.53461	.60159	-.01553	-.00132	.00272	.07836	.06939
#2	.53352	.60295	.02034	.00187	-.00346	.07756	.06547
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

nits			ppm	ppm	ppm
Avge	-.00444	-.00293	.0495	.6101	1.359
SDev	.00641	.01292	.0033	.0004	.022
%RSD	144.46	441.02	6.706	.0659	1.651
#1	-.00897	-.01207	.0471	.6098	1.375
#2	.00010	.00621	.0518	.6104	1.343
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	4838	--	--	--	--	--	--
SDev	35.77933	--	--	--	--	--	--
%RSD	.7395632	--	--	--	--	--	--
#1	4813	--	--	--	--	--	--
#2	4863	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DNAM9 Operator: KT
n Time: 10/19/00 21:33:55
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.07145	-.00464	-.00229	240.32	.07762	2.0956	.00705
SDev	.00120	.00342	.01016	.63	.00222	.0039	.00007
%RSD	1.6756	73.746	443.17	.26285	2.8619	.18374	1.0483
#1	.07230	L-.00706	.00489	240.76	.07919	2.0984	.00711
#2	.07061	-.00222	-.00948	239.87	.07605	2.0929	.00700
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	.00118	140.13	.38052	.15055	.31617	293.36	84.582
SDev	.00133	.38	.00181	.00274	.00146	.36	.060
%RSD	112.61	.27448	.47467	1.8183	.46302	.12110	.07042
#1	.00024	139.85	.37924	.15248	.31720	293.10	84.624
#2	.00212	140.40	.38180	.14861	.31513	293.61	84.540
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	4.3067	-.00032	.26361	-.00228	42.635	L-.02373	17.166
SDev	.0070	.00023	.00128	.00027	.313	.00798	.017
%RSD	.16272	72.184	.48712	11.682	.73524	33.623	.10169
#1	4.3017	-.00048	.26452	-.00209	42.857	L-.01809	17.153
#2	4.3116	-.00015	.26270	-.00247	42.413	L-.02937	17.178
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	.56232	.59652	.00592	-.00418	.00149	.08058	.06690
SDev	.00094	.00243	.00629	.01158	.00732	.00277	.00041
%RSD	.16791	.40796	106.34	276.83	490.36	3.4370	.61632
#1	.56166	.59480	.00147	.00401	.00667	.08254	.06719
#2	.56299	.59825	.01036	-.01238	-.00368	.07862	.06661
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

ıits			ppm	ppm	ppm
Avge	-.01010	-.00192	.0677	.9699	1.533
SDev	.00129	.00449	.0006	.0009	.009
%RSD	12.750	234.17	.8603	.0933	.5879
#1	-.01101	-.00509	.0681	.9705	1.527
#2	-.00919	.00126	.0673	.9693	1.540
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	4840	--	--	--	--	--	--
SDev	41.63437	--	--	--	--	--	--
%RSD	.8602639	--	--	--	--	--	--
#1	4810	--	--	--	--	--	--
#2	4869	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: DNANA Operator: KT
Run Time: 10/19/00 21:39:49
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04934	-.00410	.00015	186.59	.04716	1.1227	.00566
SDev	.00136	.00178	.00191	.30	.00150	.0006	.00003
%RSD	2.7575	43.360	1299.8	.16321	3.1809	.05498	.62101
#1	.05031	L-.00536	-.00120	186.80	.04822	1.1231	.00568
#2	.04838	-.00285	.00150	186.37	.04610	1.1222	.00563
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00012	31.080	.24259	.10415	.18894	225.46	57.011
SDev	.00050	.008	.00042	.00039	.00001	.06	.096
%RSD	433.23	.02680	.17533	.37080	.00645	.02763	.16768
#1	-.00047	31.074	.24290	.10387	.18893	225.50	57.079
#2	.00024	31.086	.24229	.10442	.18895	225.41	56.943
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	4.4550	-.00189	.16236	-.00207	20.659	.00267	15.491
SDev	.0046	.00261	.00020	.00009	.088	.00425	.002
%RSD	.10264	137.86	.12489	4.2673	.42668	158.90	.01333
#1	4.4518	-.00005	.16221	-.00201	20.721	-.00033	15.492
#2	4.4583	-.00374	.16250	-.00213	20.597	.00568	15.489
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	.46682	.48818	.00912	-.00128	.00301	.05471	.04667
SDev	.00032	.00141	.00644	.00249	.00076	.00348	.00378
%RSD	.06960	.28926	70.666	193.82	25.111	6.3712	8.1000
#1	.46659	.48918	.00456	-.00304	.00248	.05224	.04934
#2	.46705	.48718	.01367	.00048	.00354	.05717	.04399
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

.nits			ppm	ppm	ppm
Avge	-.01510	.00139	.0717	.5209	1.628
SDev	.00507	.00520	.0003	.0004	.008
%RSD	33.540	374.81	.4927	.0807	.5047
#1	-.01152	-.00229	.0719	.5212	1.634
#2	-.01869	.00506	.0714	.5206	1.622
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	4748	--	--	--	--	--	--
SDev	23.39115	--	--	--	--	--	--
%RSD	.4926672	--	--	--	--	--	--
#1	4731	--	--	--	--	--	--
#2	4764	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: DNAND Operator: KT
Run Time: 10/19/00 21:47:51
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05824	.00382	-.00587	188.09	.04506	1.5768	.00611
SDev	.00262	.00553	.00277	.53	.00094	.0023	.00008
%RSD	4.5010	144.67	47.112	.28103	2.0812	.14493	1.2502
#1	.06010	.00773	-.00392	188.46	.04440	1.5784	.00617
#2	.05639	-.00009	-.00783	187.71	.04573	1.5752	.00606
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	.00006	55.843	.29345	.11519	.19402	242.12	67.287
SDev	.00056	.017	.00068	.00046	.00047	.39	.190
%RSD	863.91	.03073	.23091	.40220	.24197	.16037	.28306
#1	-.00033	55.855	.29297	.11552	.19435	242.39	67.422
#2	.00046	55.831	.29393	.11486	.19369	241.85	67.152
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	4.0139	-.00189	.20734	-.00214	21.846	-.00903	15.092
SDev	.0059	.00015	.00214	.00011	.032	.01247	.012
%RSD	.14704	8.1809	1.0323	5.2834	.14796	137.99	.07916
#1	4.0097	-.00200	.20886	-.00222	21.869	L-.01785	15.100
#2	4.0181	-.00178	.20583	-.00206	21.823	-.00022	15.083
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	.45938	.47528	-.00031	-.00959	.00158	.07056	.05209
SDev	.00157	.00052	.00645	.00174	.00483	.00118	.00334
%RSD	.34152	.10951	2094.9	18.127	304.82	1.6738	6.4130
#1	.46049	.47491	-.00487	-.00836	.00499	.07140	.05445
#2	.45827	.47564	.00425	-.01082	-.00183	.06973	.04973
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

nits			ppm	ppm	ppm
Avge	-.00251	.00698	.0420	.5185	1.312
SDev	.01098	.00281	.0004	.0006	.012
%RSD	437.96	40.197	1.032	.1055	.9346
#1	.00526	.00897	.0423	.5189	1.321
#2	-.01027	.00500	.0417	.5181	1.303
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	4806	--	--	--	--	--	--
SDev	49.61038	--	--	--	--	--	--
%RSD	1.032319	--	--	--	--	--	--
#1	4771	--	--	--	--	--	--
#2	4841	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DNANF Operator: KT
Run Time: 10/19/00 21:55:54
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.08326	-.00320	.00137	243.46	.06580	2.3360	.00761
SDev	.00084	.00260	.00248	.20	.00478	.0012	.00013
%RSD	1.0129	81.193	180.64	.08398	7.2583	.05005	1.6547
#1	.08266	-.00136	.00312	243.60	.06917	2.3369	.00752
#2	.08386	L-.00504	-.00038	243.31	.06242	2.3352	.00770
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	.00222	96.797	.34536	.13834	.35906	313.35	94.326
SDev	.00067	.144	.00044	.00014	.00176	.18	.097
%RSD	30.366	.14921	.12622	.10241	.48926	.05726	.10303
#1	.00269	96.695	.34505	.13844	.36030	313.22	94.257
#2	.00174	96.899	.34567	.13824	.35782	313.47	94.394
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	5.9028	.00201	.32195	-.00278	25.635	-.00203	14.913
SDev	.0226	.00505	.00116	.00017	.072	.00034	.012
%RSD	.38304	250.72	.35949	6.2446	.28189	16.509	.08355
#1	5.8868	.00558	.32277	-.00266	25.686	-.00179	14.904
#2	5.9188	-.00155	.32113	-.00290	25.584	-.00227	14.922
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	.54289	.67707	-.00283	.00084	.00244	.09887	.07546
SDev	.00046	.00421	.00628	.00404	.00066	.00169	.00211
%RSD	.08457	.62235	221.68	482.64	27.228	1.7044	2.7903
#1	.54322	.67409	-.00727	.00370	.00197	.10006	.07398
#2	.54257	.68005	.00161	-.00202	.00291	.09768	.07695
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

nits			ppm	ppm	ppm
Avge	-.01277	.00158	.0630	.8569	1.352
SDev	.00138	.00320	.0014	.0007	.009
%RSD	10.814	202.85	2.225	.0826	.6643
#1	-.01179	.00385	.0620	.8563	1.346
#2	-.01375	-.00069	.0640	.8574	1.359
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	4904	--	--	--	--	--	--
SDev	32.41401	--	--	--	--	--	--
%RSD	.6610194	--	--	--	--	--	--
#1	4881	--	--	--	--	--	--
#2	4927	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DNANJ Operator: KT
Run Time: 10/19/00 22:03:56
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05306	-.00331	-.00192	192.28	.05538	1.3597	.00610
SDev	.00035	.00268	.00043	.39	.00371	.0022	.00005
%RSD	.65650	80.957	22.210	.20444	6.7030	.15891	.76519
#1	.05331	-.00141	-.00162	192.56	.05801	1.3582	.00613
#2	.05281	L-.00520	-.00223	192.00	.05276	1.3612	.00606
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	.00030	71.501	.31413	.10629	.23140	245.14	65.698
SDev	.00034	.091	.00006	.00088	.00081	.17	.138
%RSD	112.54	.12766	.02026	.83034	.35205	.06828	.21001
#1	.00006	71.436	.31409	.10692	.23197	245.03	65.600
#2	.00054	71.565	.31418	.10567	.23082	245.26	65.795
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	4.3712	-.00343	.19451	-.00205	18.925	-.00961	13.998
SDev	.0109	.00251	.00276	.00047	.156	.00809	.010
%RSD	.24892	73.082	1.4176	22.662	.82495	84.171	.06825
#1	4.3635	-.00166	.19256	-.00172	19.036	L-.01533	13.992
#2	4.3789	-.00521	.19646	-.00238	18.815	-.00389	14.005
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	.47200	.49009	-.00005	-.00475	.00374	.06090	.04915
SDev	.00031	.00245	.00635	.00015	.00098	.00138	.00121
%RSD	.06562	.50036	14047.	3.1694	26.292	2.2652	2.4638
#1	.47178	.48836	.00444	-.00464	.00443	.05992	.05000
#2	.47222	.49183	-.00453	-.00486	.00304	.06187	.04829
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	-.00806	-.00093	.0380	.5645	1.340
SDev	.01198	.00197	.0021	.0010	.013
%RSD	148.57	211.95	5.493	.1831	.9893
#1	.00041	-.00232	.0395	.5638	1.349
#2	-.01654	.00046	.0365	.5652	1.330
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	4811	--	--	--	--	--	--
SDev	29.69848	--	--	--	--	--	--
%RSD	.6173295	--	--	--	--	--	--
#1	4790	--	--	--	--	--	--
#2	4832	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DNANT Operator: KT
Run Time: 10/19/00 22:16:08
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06763	L-.00570	.00007	223.36	.06511	2.1791	.00705
SDev	.00454	.00180	.00103	.19	.00008	.0108	.00029
%RSD	6.7164	31.526	1491.3	.08283	.12722	.49605	4.1400
#1	.07085	-.00443	-.00066	223.49	.06516	2.1868	.00726
#2	.06442	L-.00697	.00080	223.23	.06505	2.1715	.00685
Errors	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00231	247.28	.30557	.17355	.34211	270.43	101.17
SDev	.00014	.75	.00028	.00138	.00052	.32	.30
%RSD	6.2087	.30181	.09307	.79421	.15225	.11868	.29810
#1	.00220	247.81	.30537	.17452	.34248	270.66	101.39
#2	.00241	246.75	.30577	.17257	.34174	270.21	100.96
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	4.8665	-.00558	.25195	-.00118	42.780	-.00260	16.293
SDev	.0084	.00300	.00176	.00009	.072	.01041	.058
%RSD	.17341	53.825	.69977	7.4852	.16875	400.73	.35754
#1	4.8725	-.00770	.25320	-.00112	42.831	.00476	16.252
#2	4.8605	-.00346	.25071	-.00125	42.729	-.00996	16.334
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	.50121	.60813	.01194	-.00099	.00219	.08068	.06112
SDev	.00253	.00115	.00011	.00427	.00546	.00673	.00345
%RSD	.50501	.18933	.92865	431.13	248.87	8.3402	5.6462
#1	.49942	.60895	.01202	-.00401	.00605	.08544	.06356
#2	.50300	.60732	.01187	.00203	-.00167	.07593	.05868
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

.nits			ppm	ppm	ppm
Avge	-.01718	.00003	.0843	1.834	1.437
SDev	.00301	.00119	.0009	.008	.002
%RSD	17.532	3806.8	1.107	.4401	.1484
#1	-.01505	.00087	.0850	1.839	1.435
#2	-.01931	-.00081	.0836	1.828	1.438
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	4636	--	--	--	--	--	--
SDev	51.33602	--	--	--	--	--	--
%RSD	1.107301	--	--	--	--	--	--
#1	4600	--	--	--	--	--	--
#2	4672	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DNAN0 Operator: KT
Run Time: 10/19/00 22:22:02
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.09177	L-.00869	.00077	251.90	.08287	1.8160	.00778
SDev	.00034	.00168	.00070	.07	.00646	.0059	.00003
%RSD	.36706	19.273	91.345	.02691	7.7978	.32695	.42193
#1	.09153	L-.00751	.00027	251.95	.08744	1.8118	.00781
#2	.09201	L-.00988	.00126	251.85	.07830	1.8202	.00776
Errors	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00264	140.39	.34198	.14199	.41561	326.58	110.70
SDev	.00130	.10	.00040	.00065	.00125	.43	.32
%RSD	49.337	.07042	.11837	.45557	.29954	.13076	.28649
#1	.00172	140.46	.34170	.14245	.41649	326.88	110.48
#2	.00356	140.32	.34227	.14154	.41473	326.28	110.92
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	6.0233	-.00232	.31447	-.00273	42.649	L-.01013	15.870
SDev	.0286	.00256	.00079	.00046	.003	.00299	.006
%RSD	.47547	110.40	.25057	16.959	.00599	29.533	.03930
#1	6.0031	-.00051	.31391	-.00240	42.648	L-.01224	15.875
#2	6.0436	-.00412	.31503	-.00306	42.651	-.00801	15.866
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	.54669	.69221	-.00809	-.00002	.00235	.10237	.08648
SDev	.00209	.00300	.02517	.00172	.00134	.00127	.00013
%RSD	.38248	.43304	311.04	7273.2	56.891	1.2409	.14938
#1	.54817	.69009	-.02589	-.00124	.00330	.10148	.08657
#2	.54521	.69433	.00971	.00119	.00141	.10327	.08639
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

nits			ppm	ppm	ppm
Avge	-.00679	-.00964	.0852	1.213	1.323
SDev	.00156	.00173	.0003	.004	.002
%RSD	22.991	17.965	.3697	.3647	.1646
#1	-.00569	-.00842	.0855	1.210	1.325
#2	-.00790	-.01087	.0850	1.216	1.322
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	4881	--	--	--	--	--	--
SDev	18.04538	--	--	--	--	--	--
%RSD	.3697036	--	--	--	--	--	--
#1	4868	--	--	--	--	--	--
#2	4894	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DNAN2 Operator: KT
Run Time: 10/19/00 22:27:58
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06932	-.00394	-.00455	221.86	.07409	1.6457	.00704
SDev	.00210	.00227	.00260	.58	.00166	.0006	.00005
%RSD	3.0248	57.717	57.206	.26022	2.2379	.03558	.72276
#1	.07080	-.00233	-.00639	222.26	.07527	1.6453	.00708
#2	.06784	L-.00555	-.00271	221.45	.07292	1.6461	.00701
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	.00065	43.028	.32472	.13207	.29244	290.18	82.961
SDev	.00050	.005	.00112	.00105	.00147	.05	.068
%RSD	76.647	.01224	.34555	.79281	.50144	.01676	.08190
#1	.00030	43.024	.32393	.13133	.29348	290.22	82.913
#2	.00100	43.031	.32552	.13281	.29141	290.15	83.009
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	5.4489	.00310	.26717	-.00274	34.404	L-.01247	17.152
SDev	.0123	.00517	.00036	.00001	.159	.00416	.008
%RSD	.22577	166.58	.13441	.45539	.46182	33.373	.04492
#1	5.4402	.00676	.26692	-.00275	34.516	L-.01541	17.147
#2	5.4576	-.00055	.26743	-.00273	34.292	-.00953	17.157
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	.58011	.62319	.00633	-.00639	-.00086	.08218	.06290
SDev	.00097	.00059	.00636	.00439	.00097	.00530	.00050
%RSD	.16721	.09483	100.46	68.657	113.14	6.4454	.79357
#1	.58079	.62361	.01082	-.00950	-.00017	.08593	.06325
#2	.57942	.62277	.00183	-.00329	-.00155	.07844	.06255
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	-.01127	-.00028	.0560	.6650	1.470
SDev	.00668	.00007	.0015	.0005	.004
%RSD	59.227	27.015	2.687	.0735	.2792
#1	-.00655	-.00022	.0550	.6646	1.467
#2	-.01599	-.00033	.0571	.6653	1.473
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	4838	--	--	--	--	--	--
SDev	29.13259	--	--	--	--	--	--
%RSD	.6021569	--	--	--	--	--	--
#1	4817	--	--	--	--	--	--
#2	4859	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: CCVT Operator: KT
Run Time: 10/19/00 22:33:53
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.47935	.48078	.48159	23.870	.48592	1.9449	2.0017
SDev	.00190	.00540	.00115	.067	.00377	.0029	.0019
%RSD	.39717	1.1223	.23923	.28164	.77541	.14794	.09738
#1	.48070	.48460	.48078	23.918	.48858	1.9470	2.0031
#2	.47801	.47697	.48241	23.823	.48325	1.9429	2.0004
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	.49172	99.402	1.9885	1.9596	1.9211	24.823	99.010
SDev	.00052	.154	.0057	.0025	.0057	.093	.114
%RSD	.10485	.15536	.28450	.12788	.29526	.37618	.11535
#1	.49208	99.511	1.9925	1.9614	1.9251	24.889	99.091
#2	.49135	99.293	1.9845	1.9579	1.9171	24.757	98.930
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	110.00	2.2000	2.2000	2.2000	27.500	110.00
Low	.45000	90.000	1.8000	1.8000	1.8000	22.500	90.000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.9834	1.9340	1.9793	.97897	49.452	.94176	1.9817
SDev	.0018	.0228	.0065	.00250	.246	.00927	.0036
%RSD	.09133	1.1807	.32735	.25572	.49691	.98453	.18024
#1	1.9847	1.9178	1.9839	.98074	49.626	.94832	1.9843
#2	1.9822	1.9501	1.9748	.97720	49.278	.93520	1.9792
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	1.9797	1.9959	1.8887	.48005	.48468	.47693	.48056
SDev	.0042	.0014	.0078	.00181	.00017	.00346	.00113
%RSD	.21043	.07179	.41532	.37734	.03476	.72473	.23487
#1	1.9827	1.9969	1.8942	.47877	.48480	.47938	.48136
#2	1.9768	1.9949	1.8831	.48133	.48456	.47449	.47976
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	.47677	.48279	1.932	1.980	1.988
SDev	.00412	.01015	.002	.003	.003
%RSD	.86469	2.1020	.1213	.1423	.1277
#1	.47386	.48996	1.931	1.982	1.989
#2	.47969	.47561	1.934	1.978	1.986
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	4736	--	--	--	--	--	--
SDev	3.478910	--	--	--	--	--	--
%RSD	.0734527	--	--	--	--	--	--
#1	4734	--	--	--	--	--	--
#2	4739	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: CCBT. Operator: KT
Run Time: 10/19/00 22:41:56
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00320	.00277	-.00227	-.08740	.00696	.00000	.00011
SDev	.00002	.00092	.00180	.00395	.00104	.00000	.00019
%RSD	.62243	33.167	79.406	4.5184	14.889	.00000	174.21
#1	-.00318	.00342	-.00355	-.08461	.00769	.00000	.00024
#2	-.00321	.00212	-.00100	-.09020	.00622	.00000	-.00003
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	.00043	.03391	.00082	.00003	.00058	.00015	-.00022
SDev	.00061	.00057	.00001	.00001	.00005	.00910	.00003
%RSD	142.48	1.6680	1.1492	14.838	8.0111	5900.9	13.358
#1	.00085	.03431	.00083	.00003	.00062	.00659	-.00020
#2	-.00000	.03351	.00082	.00003	.00055	-.00628	-.00024
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	.00049	-.00016	-.00138	-.00033	.33647	.00223	.00077
SDev	.00000	.00002	.00000	.00009	.03561	.00377	.00000
%RSD	.30451	14.514	.30451	27.966	10.584	168.80	.57197
#1	.00049	-.00014	-.00138	-.00027	.31129	.00489	.00077
#2	.00048	-.00018	-.00137	-.00040	.36165	-.00043	.00078
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	-.00089	.00039	-.00275	-.00131	-.00567	-.00196
SDev	.00000	.00001	.00005	.00063	.00416	.00109	.00052
%RSD	12.299	.77722	13.981	22.859	317.16	19.263	26.347
#1	-.00002	-.00089	.00035	-.00319	-.00425	-.00490	-.00232
#2	-.00002	-.00089	.00043	-.00231	.00163	-.00645	-.00159
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

nits			ppm	ppm	ppm
Avge	.00262	.00285	.0000	.0000	.0008
SDev	.00010	.00143	.0000	.0000	.0007
%RSD	3.9692	50.214	.0000	.0000	82.01
#1	.00255	.00386	.0000	.0000	.0013
#2	.00269	.00184	.0000	.0000	.0004
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	4886	--	--	--	--	--	--
SDev	14.87755	--	--	--	--	--	--
%RSD	.3045110	--	--	--	--	--	--
#1	4875	--	--	--	--	--	--
#2	4896	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: DNAN4 Operator: KT
Run Time: 10/19/00 22:47:50
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06851	-.00443	.00043	204.76	.08086	3.4458	.00735
SDev	.00046	.00098	.00668	.13	.00149	.0029	.00004
%RSD	.66583	22.032	1571.1	.06489	1.8442	.08395	.57448
#1	.06883	-.00374	-.00430	204.66	.08192	3.4478	.00738
#2	.06819	L-.00512	.00515	204.85	.07981	3.4438	.00732
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00070	61.382	.31730	.17122	.31256	290.90	81.124
SDev	.00063	.053	.00064	.00102	.00022	.20	.029
%RSD	90.431	.08621	.20245	.59324	.07023	.06913	.03567
#1	.00115	61.345	.31684	.17194	.31271	290.76	81.104
#2	.00025	61.420	.31775	.17051	.31240	291.04	81.145
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	5.5482	.00123	.27839	-.00258	37.616	-.01000	15.242
SDev	.0065	.00277	.00163	.00010	.032	.00091	.012
%RSD	.11669	224.83	.58728	4.0290	.08528	9.1117	.07673
#1	5.5436	-.00073	.27724	-.00265	37.594	L-.01064	15.234
#2	5.5528	.00319	.27955	-.00251	37.639	-.00935	15.250
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	.56582	.62804	.00270	.00080	-.00033	.07765	.06394
SDev	.00054	.00135	.01272	.00667	.00669	.00035	.00051
%RSD	.09489	.21408	470.99	830.47	2011.9	.44901	.79729
#1	.56544	.62709	.01170	-.00392	-.00507	.07790	.06430
#2	.56620	.62899	-.00629	.00552	.00440	.07741	.06358
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

nits			ppm	ppm	ppm
Avge	-.01113	-.00109	.0523	.7698	1.778
SDev	.00413	.00060	.0003	.0003	.008
%RSD	37.094	54.789	.4761	.0371	.4353
#1	-.00821	-.00151	.0524	.7700	1.783
#2	-.01405	-.00067	.0521	.7696	1.772
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	4824	--	--	--	--	--	--
SDev	22.96681	--	--	--	--	--	--
%RSD	.4760593	--	--	--	--	--	--
#1	4808	--	--	--	--	--	--
#2	4841	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DNAN6 Operator: KT
Run Time: 10/19/00 22:55:53
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.08336	.00299	.00548	199.87	.08387	1.7015	.00697
SDev	.00122	.00227	.00122	.01	.00301	.0011	.00003
%RSD	1.4629	75.799	22.350	.00490	3.5941	.06522	.49448
#1	.08422	.00459	.00461	199.86	.08174	1.7023	.00699
#2	.08250	.00139	.00634	199.87	.08600	1.7008	.00694
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	32.208	.31318	.13593	.40080	304.81	93.351
SDev	.00136	.112	.00045	.00071	.00064	.49	.007
%RSD	297.59	.34759	.14261	.52173	.16011	.16095	.00710
#1	.00051	32.129	.31286	.13643	.40125	304.46	93.346
#2	-.00142	32.288	.31349	.13543	.40034	305.16	93.356
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	6.6502	-.00143	.32752	-.00266	30.817	L-.01014	14.021
SDev	.0234	.00253	.00168	.00001	.139	.00514	.009
%RSD	.35185	176.78	.51215	.22264	.45074	50.669	.06216
#1	6.6336	.00036	.32634	-.00267	30.915	-.00651	14.015
#2	6.6667	-.00323	.32871	-.00266	30.719	L-.01378	14.027
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	.50878	.77279	-.00183	.00399	.00845	.09614	.07698
SDev	.00055	.00358	.01933	.00147	.00073	.00513	.00073
%RSD	.10825	.46343	1058.9	36.869	8.6032	5.3328	.94987
#1	.50839	.77025	-.01550	.00295	.00794	.09976	.07647
#2	.50917	.77532	.01184	.00504	.00896	.09251	.07750
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

nits			ppm	ppm	ppm
Avge	-.00397	.00647	.0530	.3820	1.732
SDev	.01223	.00271	.0002	.0003	.008
%RSD	308.00	41.863	.4042	.0679	.4359
#1	.00468	.00455	.0531	.3822	1.726
#2	-.01262	.00838	.0528	.3819	1.737
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	4758	--	--	--	--	--	--
SDev	19.23344	--	--	--	--	--	--
%RSD	.4041964	--	--	--	--	--	--
#1	4745	--	--	--	--	--	--
#2	4772	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: DNAN8 Operator: KT
Run Time: 10/19/00 23:01:48
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.08130	.00332	-.00401	223.01	.07716	2.2397	.00754
SDev	.00094	.00800	.00799	.01	.00692	.0032	.00005
%RSD	1.1558	240.65	199.47	.00631	8.9738	.14290	.59571
#1	.08197	-.00233	-.00966	223.02	.08205	2.2374	.00757
#2	.08064	.00898	.00164	223.00	.07226	2.2420	.00751
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	.00025	41.724	.34782	.16201	.43905	309.42	89.657
SDev	.00014	.028	.00009	.00102	.00030	.06	.145
%RSD	57.632	.06778	.02503	.62937	.06859	.01849	.16118
#1	.00035	41.704	.34776	.16274	.43926	309.38	89.555
#2	.00015	41.744	.34788	.16129	.43884	309.46	89.759
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	5.0951	-.00414	.27123	-.00186	29.681	L-.01094	14.561
SDev	.0113	.00248	.00136	.00028	.166	.00294	.016
%RSD	.22195	59.917	.49941	14.850	.56003	26.904	.11158
#1	5.0871	-.00239	.27219	-.00166	29.799	-.00886	14.550
#2	5.1031	-.00589	.27027	-.00205	29.564	L-.01303	14.573
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	.56139	.67290	-.00675	-.00767	.00333	.08941	.07726
SDev	.00027	.00020	.01257	.00870	.00658	.00422	.00070
%RSD	.04851	.02913	186.17	113.43	197.83	4.7226	.90493
#1	.56159	.67304	.00214	-.01382	-.00133	.09239	.07676
#2	.56120	.67276	-.01564	-.00152	.00798	.08642	.07775
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

ıits			ppm	ppm	ppm
Avge	-.00112	.00554	.0622	.6303	1.778
SDev	.00153	.01276	.0003	.0008	.006
%RSD	137.25	230.25	.4994	.1209	.3624
#1	-.00003	-.00348	.0624	.6297	1.782
#2	-.00220	.01456	.0620	.6308	1.773
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	4865	--	--	--	--	--	--
SDev	24.29609	--	--	--	--	--	--
%RSD	.4994079	--	--	--	--	--	--
#1	4848	--	--	--	--	--	--
#2	4882	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DNCCRB-0292229 Operator: KT
Run Time: 10/19/00 23:07:43
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00305	-.00093	-.00414	-.07074	-.00038	.00039	.00022
SDev	.00112	.00205	.00335	.00794	.00296	.00000	.00000
%RSD	36.860	220.68	80.830	11.227	770.18	.21653	1.3355
#1	-.00384	.00052	-.00651	-.07636	-.00248	.00039	.00022
#2	-.00225	-.00238	-.00177	-.06513	.00171	.00039	.00022
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	-.00017	.03099	.00035	.00077	-.00010	.00971	.00445
SDev	.00009	.00040	.00031	.00102	.00003	.00440	.00236
%RSD	53.492	1.2767	88.866	131.86	32.021	45.357	53.146
#1	-.00011	.03071	.00013	.00005	-.00012	.00659	.00278
#2	-.00023	.03127	.00057	.00150	-.00007	.01282	.00612
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	.00048	-.00209	.00136	-.00013	.12174	H.01083	.00258
SDev	.00000	.00259	.00192	.00000	.05117	.00071	.00051
%RSD	.21653	123.49	141.42	.38217	42.037	6.5314	19.587
#1	.00048	-.00392	.00000	-.00013	.08555	H.01133	.00223
#2	.00048	-.00027	.00272	-.00013	.15792	H.01033	.00294
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High	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	-.00004	.00063	.00503	-.00595	-.00052	-.00740	-.00088
SDev	.00000	.00000	.00620	.00562	.00120	.00133	.00102
%RSD	7.3187	.34759	123.42	94.454	229.91	18.023	116.06
#1	-.00004	.00063	.00942	-.00992	.00033	-.00834	-.00160
#2	-.00004	.00063	.00064	-.00198	-.00137	-.00645	-.00016
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

.nits			ppm	ppm	ppm
Avge	.00736	-.00507	.0000	.0000	.0041
SDev	.00091	.00261	.0000	.0000	.0004
%RSD	12.408	51.602	.0000	.0000	9.257
#1	.00801	-.00322	.0000	.0000	.0043
#2	.00671	-.00691	.0000	.0000	.0038
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	4964	--	--	--	--	--	--
SDev	10.74816	--	--	--	--	--	--
%RSD	.2165292	--	--	--	--	--	--
#1	4971	--	--	--	--	--	--
#2	4956	--	--	--	--	--	--

M-thod: QTESTNAK Sample Name: DNCCRC Operator: KT
. .1 Time: 10/19/00 23:15:46
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.45617	1.8526	.47721	1.7578	1.8444	1.8744	.04886
SDev	.00020	.0030	.00409	.0072	.0014	.0051	.00001
%RSD	.04478	.15961	.85707	.41151	.07404	.27302	.01496
#1	.45631	1.8546	.48010	1.7630	1.8453	1.8780	.04887
#2	.45602	1.8505	.47432	1.7527	1.8434	1.8708	.04886
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	.04892	48.611	.19519	.48472	.23038	.93646	48.081
SDev	.00024	.059	.00048	.00021	.00033	.01471	.170
%RSD	.49165	.12072	.24514	.04381	.14139	1.5711	.35310
#1	.04875	48.652	.19485	.48457	.23062	.92605	48.201
#2	.04909	48.569	.19553	.48487	.23015	.94686	47.961
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
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	.48499	.93035	.48043	.04721	46.226	1.8625	.98716
SDev	.00157	.00964	.00488	.00019	.148	.0135	.00232
%RSD	.32306	1.0358	1.0166	.41159	.32006	.72723	.23521
#1	.48610	.92353	.48389	.04707	46.330	1.8529	.98881
#2	.48389	.93716	.47698	.04734	46.121	1.8721	.98552
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
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	.47694	.48095	1.8435	.47925	.47312	.44957	.45946
SDev	.00053	.00192	.0008	.00098	.01032	.00304	.00121
%RSD	.11206	.39887	.04402	.20451	2.1811	.67574	.26344
#1	.47732	.48230	1.8441	.47994	.48042	.45172	.45860
[illegible]	.47656	.47959	1.8429	.47856	.46582	.44742	.46031
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.60000	.60000	2.4000				
Low	.40000	.40000	1.6000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

nits			ppm	ppm	ppm
Avge	1.8354	1.8611	.9510	.9858	8.871
SDev	.0133	.0022	.0038	.0025	.022
%RSD	.72350	.11802	.3954	.2514	.2526
#1	1.8448	1.8596	.9536	.9876	8.887
#2	1.8260	1.8627	.9483	.9841	8.855
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass
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	4786	--	--	--	--	--	--
SDev	18.92201	--	--	--	--	--	--
%RSD	.3954030	--	--	--	--	--	--
#1	4772	--	--	--	--	--	--
#2	4799	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: DLPAL Operator: KT
Run Time: 10/19/00 23:25:53
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00461	.00094	-.00101	-.02554	.00281	.28103	-.00000
SDev	.00115	.00092	.00060	.00429	.00486	.00036	.00000
%RSD	25.002	97.320	59.079	16.814	173.02	.12972	1.6146
#1	.00542	.00029	-.00143	-.02250	-.00063	.28077	-.00000
#2	.00379	.00160	-.00059	-.02858	.00624	.28128	-.00000
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	.00029	41.166	.00265	.00074	.00456	.64783	9.2805
SDev	.00046	.065	.00000	.00106	.00001	.00490	.0192
%RSD	161.18	.15807	.06099	143.15	.10512	.75658	.20689
#1	-.00004	41.120	.00265	.00150	.00456	.64436	9.2669
#2	.00061	41.212	.00265	-.00001	.00457	.65129	9.2941
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	.04288	-.00183	.00070	.00026	70.122	-.00263	.00186
SDev	.00036	.00267	.00099	.00019	.137	.00323	.00052
%RSD	.84522	145.65	141.42	72.053	.19557	122.76	28.230
#1	.04263	-.00372	.00000	.00013	70.025	-.00035	.00148
#2	.04314	.00005	.00141	.00040	70.219	-.00492	.00223
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	.00045	.03514	.00454	-.00104	-.00094	.00057	.00662
SDev	.00068	.00001	.00640	.00152	.00126	.00373	.00014
%RSD	148.78	.02042	140.90	145.73	134.01	654.68	2.0425
#1	-.00002	.03514	.00002	-.00212	-.00005	.00321	.00653
#2	.00093	.03515	.00906	.00003	-.00183	-.00207	.00672
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

.nits			ppm	ppm	ppm
Avge	.00317	-.00017	.0408	.3288	25.22
SDev	.00001	.00138	.0019	.0008	.41
%RSD	.30434	837.50	4.590	.2434	1.611
#1	.00318	-.00114	.0395	.3283	24.94
#2	.00316	.00081	.0421	.3294	25.51
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	4789	--	--	--	--	--	--
SDev	1.329278	--	--	--	--	--	--
%RSD	.0277556	--	--	--	--	--	--
#1	4790	--	--	--	--	--	--
#2	4788	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: DLPAM Operator: KT
Run Time: 10/19/00 23:33:55
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00164	.00292	-.00029	-.00966	.00750	.27205	-.00000
SDev	.00234	.00191	.00138	.00515	.00659	.00003	.00000
%RSD	142.41	65.379	473.95	53.327	87.934	.00943	120.01
#1	.00001	.00157	.00069	-.00602	.01216	.27207	-.00000
#2	-.00329	.00427	-.00127	-.01330	.00283	.27203	-.00000
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	.00019	41.119	.00232	.00149	.00547	.54567	9.1294
SDev	.00032	.081	.00017	.00000	.00006	.01686	.0250
%RSD	166.78	.19620	7.3782	.02468	1.1833	3.0893	.27383
#1	-.00003	41.176	.00244	.00149	.00551	.53375	9.1471
#2	.00041	41.062	.00220	.00149	.00542	.55759	9.1118
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	.04139	-.00373	.00211	-.00014	72.447	-.00233	.00297
SDev	.00022	.00001	.00099	.00019	.138	.00288	.00000
%RSD	.52151	.28325	46.851	136.50	.18981	123.65	.07997
#1	.04123	-.00372	.00141	-.00000	72.544	-.00436	.00297
#2	.04154	-.00374	.00280	-.00027	72.349	-.00029	.00296
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	.00046	.02776	-.01357	-.00027	-.00034	-.00799	.00153
SDev	.00068	.00105	.00650	.00143	.00129	.00173	.00264
%RSD	149.03	3.7748	47.927	537.15	376.35	21.695	172.71
#1	.00094	.02702	-.01817	.00074	.00057	-.00677	.00339
#2	-.00002	.02850	-.00897	-.00127	-.00126	-.00922	-.00034
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

nits			ppm	ppm	ppm
Avge	.00628	.00124	.0408	.3169	25.61
SDev	.00450	.00062	.0017	.0003	.15
%RSD	71.628	49.621	4.237	.0773	.5886
#1	.00310	.00081	.0396	.3168	25.51
#2	.00946	.00168	.0420	.3171	25.72
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	4790	--	--	--	--	--	--
SDev	15.58466	--	--	--	--	--	--
%RSD	.3253379	--	--	--	--	--	--
#1	4779	--	--	--	--	--	--
#2	4801	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: DLPAP Operator: KT
Run Time: 10/19/00 23:41:58
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00166	.00064	-.00411	-.00844	.00527	.28995	-.00000
SDev	.00132	.00586	.00027	.00048	.00053	.00007	.00000
%RSD	79.423	913.33	6.5254	5.7006	9.9857	.02466	2478.3
#1	-.00259	-.00350	-.00430	-.00810	.00564	.28990	.00000
#2	-.00073	.00478	-.00392	-.00878	.00490	.29000	-.00000
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	.00033	46.914	.00277	.00150	.00117	.41184	9.6593
SDev	.00020	.028	.00046	.00000	.00030	.00394	.0189
%RSD	60.339	.05947	16.694	.00251	25.329	.95693	.19535
#1	.00047	46.934	.00245	.00150	.00096	.40905	9.6459
#2	.00019	46.894	.00310	.00150	.00138	.41463	9.6726
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	.03925	-.00563	.00141	.00013	77.104	-.00667	.00148
SDev	.00007	.00267	.00000	.00000	.275	.00225	.00000
%RSD	.17342	47.448	.17341	.26665	.35677	33.702	.07997
#1	.03930	-.00751	.00141	.00013	77.298	-.00508	.00148
#2	.03920	-.00374	.00141	.00013	76.909	-.00826	.00148
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	.00046	.11994	-.02270	-.00539	-.00155	-.00471	-.00013
SDev	.00068	.00095	.00634	.00061	.00042	.00185	.00105
%RSD	146.14	.78926	27.955	11.318	26.847	39.200	786.23
#1	-.00002	.11927	-.01821	-.00582	-.00125	-.00602	-.00088
#2	.00094	.12061	-.02718	-.00495	-.00184	-.00341	.00061
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
Avge	-.00252	.00222	.0409	.3464	26.35
SDev	.00800	.00479	.0018	.0004	.29
%RSD	317.50	215.53	4.389	.1138	1.084
#1	-.00818	-.00116	.0396	.3462	26.15
#2	.00314	.00560	.0422	.3467	26.56
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	4779	--	--	--	--	--	--
SDev	8.287443	--	--	--	--	--	--
%RSD	.1734130	--	--	--	--	--	--
#1	4773	--	--	--	--	--	--
#2	4785	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DM8T5 Operator: KT
Run Time: 10/19/00 23:50:00
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00189	.00283	-.00430	1.2689	.00516	.01878	.00023
SDev	.00162	.00228	.00013	.0052	.00131	.00027	.00000
%RSD	85.654	80.390	3.1038	.40816	25.415	1.4414	.51777
#1	-.00303	.00122	-.00439	1.2725	.00423	.01897	.00023
#2	-.00075	.00444	-.00420	1.2652	.00609	.01859	.00023
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	.00008	.62466	.00306	.00128	.00857	1.4245	.49817
SDev	.00012	.00037	.00016	.00001	.00001	.0084	.00203
%RSD	144.20	.05882	5.1101	.56465	.11614	.58963	.40832
#1	-.00000	.62440	.00295	.00127	.00857	1.4305	.49961
#2	.00016	.62492	.00317	.00128	.00858	1.4186	.49673
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	.03700	-.00557	.00343	.00006	.93768	.00131	.09329
SDev	.00032	.00260	.00097	.00009	.01051	.00067	.00302
%RSD	.87708	46.699	28.239	149.50	1.1212	50.958	3.2408
#1	.03723	-.00741	.00411	.00013	.94511	.00084	.09543
#2	.03677	-.00373	.00274	-.00000	.93024	.00178	.09115
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	.00311	.00846	.00922	-.00441	-.00406	-.00396	-.00085
SDev	.00065	.00001	.00000	.00164	.00288	.00255	.00115
%RSD	20.948	.10981	.03165	37.186	70.979	64.351	134.96
#1	.00357	.00846	.00922	-.00557	-.00202	-.00577	-.00167
#2	.00265	.00847	.00922	-.00325	-.00610	-.00216	-.00004
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	.00462	.00194	.0026	.0074	2.569
SDev	.00259	.00471	.0036	.0000	.028
%RSD	56.097	242.73	141.4	.0472	1.081
#1	.00645	-.00139	.0000	.0074	2.589
#2	.00279	.00527	.0051	.0074	2.549
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	4909	--	--	--	--	--	--
SDev	2.319158	--	--	--	--	--	--
%RSD	.0472418	--	--	--	--	--	--
#1	4911	--	--	--	--	--	--
#2	4907	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DM8T5P Operator: KT
Run Time: 10/19/00 23:58:03
Comment:
Mode: CONC Corr. Factor: 5

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.00862	L.00827	L-.00803	.88073	L.04024	.01967	L.00180
SDev	.00095	.00764	.00831	.02406	.01124	.00006	.00095
%RSD	11.054	92.430	103.47	2.7324	27.939	.32340	52.718
#1	L-.00929	L.00286	L-.00216	.89775	L.03229	.01972	L.00246
#2	L-.00794	L.01367	L-.01391	.86372	L.04819	.01963	L.00113
Errors	LC Low	LC Low	LC Low	LC Pass	LC Low	LC Pass	LC Low
High	55.000	11.000	5.5000	550.00	11.000	11.000	5.5000
Low	.07500	.17000	.10000	.63000	.24500	.01000	.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L.00166	.71272	L.00503	L.00729	L.00889	1.4054	.49445
SDev	.00073	.00476	.00157	.00001	.00340	.0496	.01302
%RSD	44.284	.66779	31.282	.06514	38.279	3.5305	2.6338
#1	L.00114	.71608	L.00614	L.00730	L.01130	1.4405	.50366
#2	L.00217	.70935	L.00391	L.00729	L.00648	1.3703	.48524
Errors	LC Low	LC Pass	LC Low	LC Low	LC Low	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	.03851	L-.01019	L.00000	L.00229	2.3811	L.01027	.09564
SDev	.00013	.01285	.00000	.00047	.2283	.01747	.00227
%RSD	.32340	126.09	.00000	20.582	9.5899	170.20	2.3735
#1	.03860	L-.01928	L.00000	L.00262	2.5426	L.02262	.09404
#2	.03842	L-.00110	L.00000	L.00195	2.2196	L-.00209	.09725
Errors	LC Pass	LC Low	LC Low	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	L-.00027	L.02301	L.00280	-.01226	.00043	-.01099	-.00743
SDev	.00001	.01677	.06187	.01556	.00620	.00356	.00320
%RSD	3.1690	72.888	2206.4	126.92	1447.9	32.361	43.111
#1	L-.00026	L.01115	L.04655	-.00126	-.00396	-.00848	-.00970
#2	L-.00028	L.03487	L-.04095	-.02326	.00481	-.01351	-.00517
Errors	LC Low	LC Low	LC Low	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	.02000	.03500	.46000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

nits			ppm	ppm	ppm
Avge	.01167	.00656	L.0000	.0078	2.617
SDev	.03046	.00375	.0000	.0000	.030
%RSD	260.92	57.153	.0000	.3234	1.132
#1	-.00986	.00922	L.0000	.0078	2.638
#2	.03321	.00391	L.0000	.0078	2.596
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	4933	--	--	--	--	--	--
SDev	15.95237	--	--	--	--	--	--
%RSD	.3233991	--	--	--	--	--	--
#1	4921	--	--	--	--	--	--
#2	4944	--	--	--	--	--	--

Method: QTESTNAK Sample Name: CCVT Operator: KT
Run Time: 10/20/00 00:03:58
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.47800	.49018	.48459	23.752	.49223	1.9362	2.0048
SDev	.00340	.00927	.00312	.025	.00665	.0021	.0007
%RSD	.71215	1.8918	.64447	.10725	1.3514	.10716	.03508
#1	.47559	.48363	.48239	23.770	.48753	1.9347	2.0053
#2	.48041	.49674	.48680	23.734	.49694	1.9376	2.0043
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	.49197	99.595	1.9832	1.9537	1.9060	24.845	98.501
SDev	.00068	.030	.0060	.0054	.0019	.061	.069
%RSD	.13896	.03004	.30153	.27633	.09965	.24371	.07004
#1	.49148	99.574	1.9789	1.9499	1.9073	24.888	98.452
#2	.49245	99.616	1.9874	1.9575	1.9046	24.803	98.550
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	110.00	2.2000	2.2000	2.2000	27.500	110.00
Low	.45000	90.000	1.8000	1.8000	1.8000	22.500	90.000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.9808	1.9274	1.9787	.97466	49.033	.94066	1.9689
SDev	.0061	.0296	.0071	.00055	.023	.01861	.0001
%RSD	.30557	1.5333	.35665	.05631	.04597	1.9778	.00290
#1	1.9766	1.9065	1.9737	.97505	49.017	.92751	1.9689
#2	1.9851	1.9483	1.9837	.97427	49.049	.95382	1.9690
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	1.9735	1.9918	1.8923	.48163	.49054	.47506	.47947
SDev	.0020	.0024	.0129	.00415	.00106	.00538	.00242
%RSD	.09927	.11893	.68356	.86234	.21601	1.1325	.50424
#1	1.9749	1.9901	1.8832	.47869	.48979	.47125	.47776
#2	1.9721	1.9934	1.9015	.48456	.49129	.47886	.48118
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

nits			ppm	ppm	ppm
Avge	.48381	.49336	1.931	1.977	2.007
SDev	.00709	.01036	.009	.002	.000
%RSD	1.4648	2.1009	.4876	.0932	.0033
#1	.47880	.48603	1.925	1.975	2.007
#2	.48882	.50069	1.938	1.978	2.007
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	4762	--	--	--	--	--	--
SDev	.1412142	--	--	--	--	--	--
%RSD	.0029656	--	--	--	--	--	--
#1	4762	--	--	--	--	--	--
#2	4762	--	--	--	--	--	--

Analysis Report QC Standard 10/20/00 00:17:52 AM page 1

Method: QTESTNAK Sample Name: CCBT. Operator: KT
n Time: 10/20/00 00:12:01
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00009	.00049	-.00271	-.07986	-.00105	.00000	.00011
SDev	.00074	.00057	.00386	.00250	.00406	.00000	.00020
%RSD	828.94	116.46	142.53	3.1311	385.54	.00000	180.28
#1	.00044	.00009	.00002	-.08163	-.00392	.00000	.00026
#2	-.00062	.00089	-.00543	-.07809	.00182	.00000	-.00003
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	.03425	.00072	.00077	.00061	-.00318	-.00023
SDev	.00022	.00258	.00050	.00103	.00021	.00479	.00019
%RSD	111.32	7.5195	69.691	133.66	34.425	150.97	81.266
#1	.00004	.03607	.00108	.00150	.00076	-.00657	-.00010
#2	.00036	.03243	.00037	.00004	.00046	.00021	-.00036
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	.00049	-.00198	-.00138	.00013	.32681	-.00183	.00077
SDev	.00001	.00269	.00002	.00038	.09574	.00043	.00002
%RSD	1.3837	135.98	1.3837	279.23	29.295	23.533	2.6255
#1	.00049	-.00008	-.00139	.00040	.25911	-.00214	.00076
#2	.00048	-.00389	-.00137	-.00013	.39450	-.00153	.00079
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	-.00096	-.00088	.00485	-.00502	.00193	-.00129	.00051
SDev	.00000	.00005	.00610	.00635	.00113	.00036	.00094
%RSD	.16549	5.0984	125.94	126.35	58.277	27.706	183.62
#1	-.00096	-.00085	.00916	-.00054	.00114	-.00104	.00117
#2	-.00096	-.00091	.00053	-.00951	.00273	-.00154	-.00015
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.00000	.00000	.00000				
Range	.05000	.02000	.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

.its			ppm	ppm	ppm
Avge	-.00049	.00097	.0000	.0000	.0276
SDev	.00035	.00102	.0000	.0000	.0070
%RSD	70.913	105.01	.0000	.0000	25.49
#1	-.00024	.00025	.0000	.0000	.0326
#2	-.00074	.00170	.0000	.0000	.0226
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	4877	--	--	--	--	--	--
SDev	67.48657	--	--	--	--	--	--
%RSD	1.383670	--	--	--	--	--	--
#1	4830	--	--	--	--	--	--
#2	4925	--	--	--	--	--	--

RQC057

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

Run Date: 10/18/00
Time: 12:24:15

BATCH NUMBER: **0292312**

PREP DATE: 10/18/00
DUE DATE 10/20/00

INITIALS: JM

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0J180158	DNCD6	01	X 1.01 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/20/00			
E0J180158	DNCEC	01	X 1.01 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/20/00			
E0J170121	DM9GX	01	X 1.0 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			
	DM9GXS		1.0 g	_____g	_____g	_____g
	DM9GXD		1.0 g	_____g	_____g	_____g
E0J170247	DNAMX	01	X 0.99 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			
E0J170247	DNAM3	01	X 0.99 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			
E0J170247	DNAM6	01	X 1.01 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			
E0J170247	DNAM9	01	X 1.01 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			
E0J170247	DNANA	01	X 1.01 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			
E0J170247	DNAND	01	X 0.99 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			
E0J170247	DNANF	01	X 1.01 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			
E0J170247	DNANJ	01	X 1.01 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			
E0J170247	DNANT	01	X 1.0 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			
E0J170247	DNAN0	01	X 1.0 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			
E0J170247	DNAN2	01	X 1.08 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			

RQC057

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

Run Date: 10/18/00
Time: 12:24:15

BATCH NUMBER: **0292312**

PREP DATE: 10/18/00
DUE DATE 10/20/00

INITIALS: JP

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0J170247	DNAN4	01	X 0.99 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			
E0J170247	DNAN6	01	X 1.01 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			
E0J170247	DNAN8	01	X 1.01 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			
E0J180000	DNCMNB	01	X 1.0 g	_____g	_____g	_____g
SOLID	DUE DATE:		0/00/00			
	DNCMNC		1.02 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: F.V. = 100 NU

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

SPIKING WITNESSED BY _____

ICP ELEMENTS WITHIN THE BATCH:

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

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

STL LOS ANGELES

Précis

Metals Preparation

Batch: 0292312

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

Prepared By: Jr Date/Time Initiated: 10/18/00 1430

Reviewed By: [illegible] Date/Time Completed: 10/19/00 11:00

Hot Plate/Block # 4 Temp* 95 °C Thermometer # M-H-04

*Thermometer correction applied. (CF +1.0 °C)

Spike Standards for LCS and MS/MSD samples.

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

Reagents	Volume	Lot #
HNO_3	10 mL	6623 T09A058
H_2O_2	4 mL	5240T15A01
HCl	10 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. - 5:00 PM
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: Jr Date: 10/19/00 Received By: [illegible] Date: 10/19/00

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

STL Los Angeles
Précis
ICAP Data Summary Cover Sheet

Instrument ID: ICPT - M01

Analyst: lcy
Analytical Date: 10/20/00

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

Data File: P102000

Batch	Lot/Project	Data Upload	Review/Release	Pkg.
0293453	G OJ160175	10/21/00		
0293476	EOJ180190			
	EOJ180353			
	EOJ120212			
0293294	EOJ160213			
0293479	GOJ060313			
	EOJ180247			
0292310	EOJ170121			
0293471	EOJ190184			
	EOJ180165			
	EOJ190187			

Standards

Calibration Stds:	**Lot #**	**Calibration Check Stds:**	**Lot #**
1. Blank	101700 -T1	ICV	100300 -T4
2. STD1	101700 -T2	CCV	101700 -T5
3.		ICSA	101700 -T7
4.		ICSAB 40	100500 -T8
5.		5.	
6.		6.	

Notes/Comments:

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

000881

BOE-C6-0174419

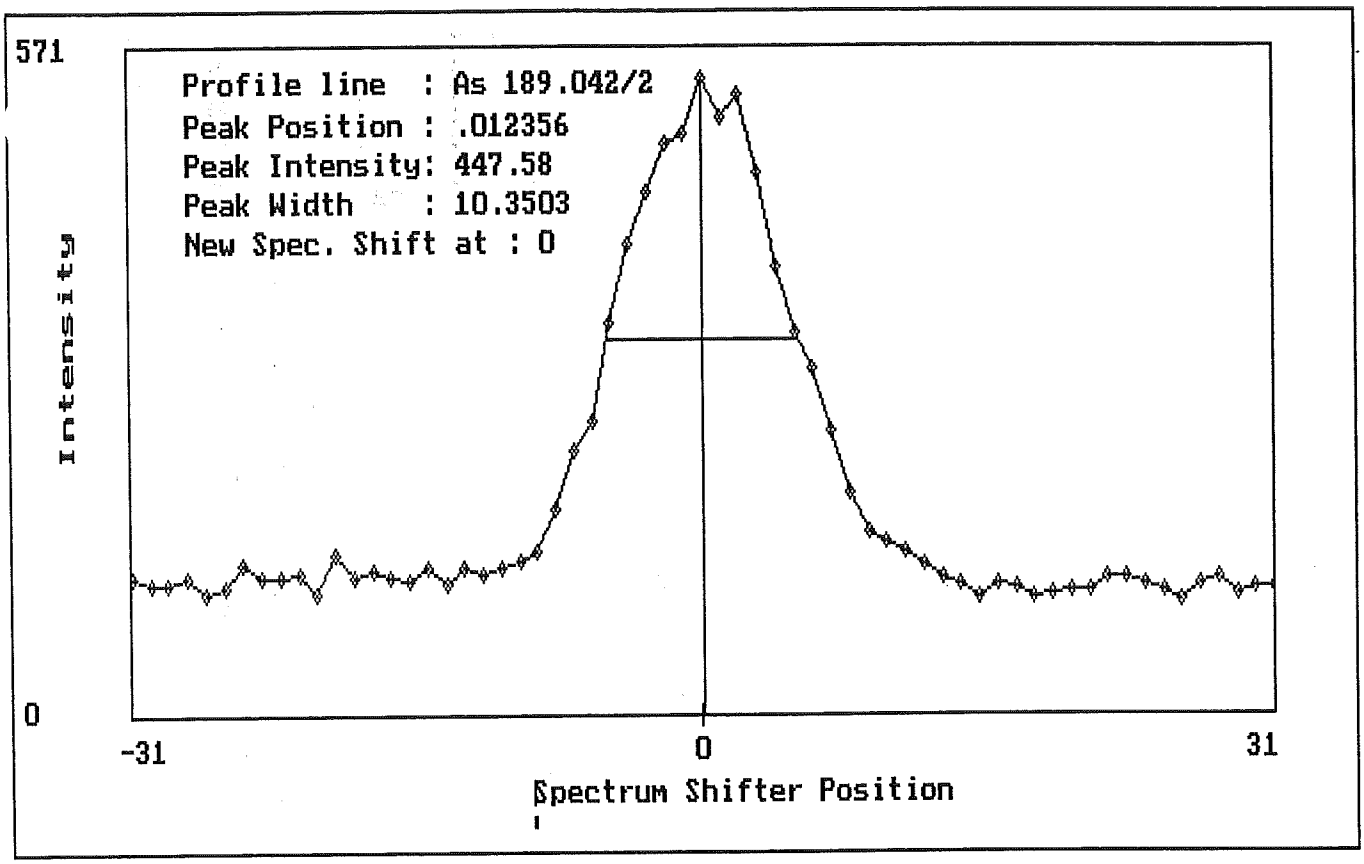
	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	STDBLK	P102000	QTESTNAK	10/20/00	13:29		X	IR
2	STD1	P102000	QTESTNAK	10/20/00	13:35		X	IR
3	ICVHP	P102000	QTESTNAK	10/20/00	13:42	KT	S	CONC
4	ICB	P102000	QTESTNAK	10/20/00	13:52	KT	S	CONC
5	ICSA	P102000	QTESTNAK	10/20/00	13:58	KT	S	CONC
6	ICSAB4.0	P102000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

bt 10/21/00

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

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
108	DNGE3BF-0293476	P102000	QTESTNAK	10/21/00	03:41	KT	S	CONC
109	DNGE3CF	P102000	QTESTNAK	10/21/00	03:49	KT	S	CONC
110	DNCM2F	P102000	QTESTNAK	10/21/00	03:57	KT	S	CONC
111	DNCM8F	P102000	QTESTNAK	10/21/00	04:09	KT	S	CONC
112	DNCNCF	P102000	QTESTNAK	10/21/00	04:17	KT	S	CONC
113	DNCNKF	P102000	QTESTNAK	10/21/00	04:25	KT	S	CONC
114	DND0AF	P102000	QTESTNAK	10/21/00	04:38	KT	S	CONC
115	DND0HF	P102000	QTESTNAK	10/21/00	04:46	KT	S	CONC
116	DND0JF	P102000	QTESTNAK	10/21/00	04:54	KT	S	CONC
117	DND0KF	P102000	QTESTNAK	10/21/00	05:00	KT	S	CONC
118	CCVT	P102000	QTESTNAK	10/21/00	05:06	KT	S	CONC
119	CCBT'	P102000	QTESTNAK	10/21/00	05:14	KT	Q	CONC
120	DND0LF	P102000	QTESTNAK	10/21/00	05:19	KT	S	CONC
121	DND0PF	P102000	QTESTNAK	10/21/00	05:28	KT	S	CONC
122	DND0VF	P102000	QTESTNAK	10/21/00	05:33	KT	S	CONC
123	DND04F	P102000	QTESTNAK	10/21/00	05:42	KT	S	CONC
124	DM2H0F	P102000	QTESTNAK	10/21/00	05:50	KT	S	CONC
125	DM2K9F	P102000	QTESTNAK	10/21/00	05:56	KT	S	CONC
126	DM2LHF	P102000	QTESTNAK	10/21/00	06:04	KT	S	CONC
127	DM2LQF	P102000	QTESTNAK	10/21/00	06:12	KT	S	CONC
128	DM2LRF	P102000	QTESTNAK	10/21/00	06:18	KT	S	CONC
129	DM2LRPF	P102000	QTESTNAK	10/21/00	06:26	KT	S	CONC
130	CCVT	P102000	QTESTNAK	10/21/00	06:32	KT	S	CONC
[illegible]	CCBT'	P102000	QTESTNAK	10/21/00	06:40	KT	Q	CONC
132	DM2LRSF	P102000	QTESTNAK	10/21/00	06:46	KT	S	CONC
133	DM2LRDF	P102000	QTESTNAK	10/21/00	06:56	KT	S	CONC
134	DNGFAB-0293471	P102000	QTESTNAK	10/21/00	07:06	KT	S	CONC
135	CCVT	P102000	QTESTNAK	10/21/00	07:12	KT	S	CONC
136	CCBT'	P102000	QTESTNAK	10/21/00	07:20	KT	Q	CONC

KT 10/21/00


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

10/20/00

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Method: QTESTNAK Slope = Conc(SIR)/IR

Element	Wavelen	High std	Low std	Slope	Y-intercept	Date Standardized
Pb2203	220.353	NONE	NONE	.000000	.000000	*NOT STANDARDIZED
Se1960	196.026	NONE	NONE	.000000	.000000	*NOT STANDARDIZED
Sb2068	206.838	NONE	NONE	.000000	.000000	*NOT STANDARDIZED
Al3082	308.215	STD1	STDBLK	3.11823	-.296248	10/20/00 01:35:42
As1890	189.042	STD1	STDBLK	.477104	.018698	10/20/00 01:35:42
Ba4934	493.409	STD1	STDBLK	1.05144	-.000216	10/20/00 01:35:42
Be3130	313.042	STD1	STDBLK	.656060	-.001346	10/20/00 01:35:42
Cd_tr	226.502	STD1	STDBLK	.066897	-.001249	10/20/00 01:35:42
Ca3179	317.933	STD1	STDBLK	91.2263	-.149753	10/20/00 01:35:42
Cr_tr	267.716	STD1	STDBLK	.546237	-.002690	10/20/00 01:35:42
Co2286	228.616	STD1	STDBLK	3.73282	.000766	10/20/00 01:35:42
Cu3247	324.753	STD1	STDBLK	1.18117	-.013330	10/20/00 01:35:42
Fe2714	271.441	STD1	STDBLK	16.3057	.010035	10/20/00 01:35:42
Mg2790	279.078	STD1	STDBLK	8.52544	-.006997	10/20/00 01:35:42
Mn2576	257.610	STD1	STDBLK	1.22814	-.000252	10/20/00 01:35:42
Mo2020	202.030	STD1	STDBLK	9.37956	-.003849	10/20/00 01:35:42
Ni2316	231.604	STD1	STDBLK	3.45648	.000000	10/20/00 01:35:42
Ag_tr	328.068	STD1	STDBLK	.332010	.000000	10/20/00 01:35:42
Na3302	330.232	STD1	STDBLK	1.00128	.018132	10/20/00 01:35:42
Tl1908	190.864	STD1	STDBLK	.837686	.029049	10/20/00 01:35:42
Ti3349	334.941	STD1	STDBLK	1.88609	.001935	10/20/00 01:35:42
V_2924	292.402	STD1	STDBLK	2.37996	.000000	10/20/00 01:35:42
Zn2138	213.856	STD1	STDBLK	4.00984	-.004937	10/20/00 01:35:42
Sn1899	189.989	STD1	STDBLK	22.6614	.027902	10/20/00 01:35:42
58_1	206.831	STD1	STDBLK	.738320	.008333	10/20/00 01:35:42
2068_2	206.832	STD1	STDBLK	1.51292	-.004347	10/20/00 01:35:42
2203_1	220.351	STD1	STDBLK	.200247	-.016724	10/20/00 01:35:42
2203_2	220.352	STD1	STDBLK	.463685	-.001332	10/20/00 01:35:42
1960_1	196.021	STD1	STDBLK	3.13205	.034704	10/20/00 01:35:42
1960_2	196.022	STD1	STDBLK	2.41455	-.023287	10/20/00 01:35:42
B_2496	249.678	STD1	STDBLK	6.74404	.000000	10/20/00 01:35:42
Sr4215	421.552	STD1	STDBLK	.509742	.000000	10/20/00 01:35:42
Si2881	288.158	STD1	STDBLK	3.22847	-.217950	10/20/00 01:35:42

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

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

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0019	39.998	1.0193	.98542	.97313	10.094	39.664
SDev	.0064	.093	.0034	.00362	.00362	.023	.113
%RSD	.63391	.23313	.33602	.36756	.37214	.22344	.28378
#1	1.0064	40.064	1.0217	.98798	.97569	10.110	39.744
#2	.99746	39.932	1.0169	.98286	.97057	10.078	39.585
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	1.0337	.98597	1.0077	.38872	37.875	4.9757	1.0315
SDev	.0027	.00471	.0047	.00133	.147	.0149	.0001
%RSD	.26139	.47767	.46861	.34173	.38809	.29978	.01313
#1	1.0356	.98264	1.0110	.38966	37.979	4.9863	1.0314
#2	1.0318	.98930	1.0044	.38778	37.771	4.9652	1.0316
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	1.1000	1.1000	1.1000	.44000		5.5000	1.1000
Low	.90000	.90000	.90000	.36000		4.5000	.90000

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

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

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

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

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

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

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00002	.00070	-.00033	.00077	.00031	.00323	.00179
SDev	.00049	.00008	.00016	.00000	.00001	.00950	.00249
%RSD	2190.2	11.632	48.599	.21261	2.5242	293.87	138.88
#1	.00032	.00076	-.00044	.00077	.00031	.00995	.00003
#2	-.00037	.00065	-.00021	.00076	.00030	-.00349	.00355
rrors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
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	.00000	.00002	-.00000	.00021	.24093	.00055	-.00001
SDev	.00036	.00000	.00202	.00010	.13326	.00075	.00055
%RSD	30998.	16.611	368790.	47.107	55.311	135.99	6080.2
#1	-.00025	.00002	-.00143	.00014	.14670	.00002	-.00040
#2	.00025	.00002	.00142	.00027	.33516	.00108	.00038
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.01500	.04000	.04000	.01000	5.0000	.01000	.05000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.00098	-.00163	-.00012	.00392	.00189	-.00082	-.00047
SDev	.00000	.00001	.01320	.00401	.00176	.00520	.00149
%RSD	.07148	.48417	10579.	102.20	93.131	631.36	314.03
#1	.00098	-.00163	.00921	.00109	.00065	.00286	.00058
#2	.00098	-.00164	-.00946	.00676	.00314	-.00450	-.00152
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	-.00404	.00111	.0000	.0000	<.0000
SDev	.00181	.00350	.0000	.0000	.0008
%RSD	44.712	316.85	.0000	.0000	50.27
#1	-.00276	-.00137	.0000	.0000	<.0000
#2	-.00531	.00358	.0000	.0000	<.0000
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			.2000	.0500	.5000
Low			-.2000	-.0500	-.5000

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

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

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

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

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

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

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

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

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

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

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

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

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

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

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

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

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

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

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

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

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

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

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

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

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

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

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

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

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

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

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

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

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

Method: QTESTNAK Sample Name: DM8V1 Operator: KT
R··· Time: 10/20/00 14:29:06
C ment:
Mode: CONC Corr. Factor: 1

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

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00472	24.151	.18227	.09782	.18096	159.80	38.170
SDev	.00024	.043	.00131	.00032	.00044	.05	.122
%RSD	4.9990	.17727	.71680	.32286	.24028	.03378	.31901
#1	-.00456	24.121	.18134	.09759	.18126	159.76	38.084
#2	-.00489	24.181	.18319	.09804	.18065	159.84	38.256
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	3.8593	.00835	.10450	-.00164	8.4774	L-.01170	13.457
SDev	.0204	.00003	.00142	.00050	.1072	.00707	.005
%RSD	.52990	.35009	1.3603	30.357	1.2643	60.410	.03493
#1	3.8448	.00833	.10349	-.00200	8.5532	-.00670	13.454
#2	3.8738	.00837	.10550	-.00129	8.4016	L-.01669	13.461
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

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

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

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

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

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

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

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

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

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.41511	.44085	.00157	.00347	.00658	.06275	.04568
SDev	.00090	.00061	.00668	.00348	.00081	.00061	.00271
%RSD	.21624	.13766	425.55	100.18	12.364	.98069	5.9341
#1	.41575	.44043	-.00315	.00593	.00600	.06319	.04376
#2	.41448	.44128	.00629	.00101	.00715	.06232	.04760
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	-.01375	.00644	.0711	.8023	.8334
SDev	.00074	.00116	.0056	.0006	.0010
%RSD	5.3556	18.071	7.953	.0786	.1235
#1	-.01323	.00726	.0671	.8018	.8341
#2	-.01427	.00562	.0751	.8027	.8327
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

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

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

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

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

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

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

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

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

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

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

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

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

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

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

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

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

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

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

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

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

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

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

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

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

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

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

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

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

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

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

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

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

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

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

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

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

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

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

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

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

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

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

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

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00034	.00113	.00013	.00077	.00010	.01331	.00005
SDev	.00015	.00038	.00081	.00000	.00038	.01429	.00002
%RSD	42.839	33.854	599.73	.01162	374.68	107.42	40.399
#1	.00044	.00140	.00070	.00077	.00037	.00320	.00007
#2	.00024	.00086	-.00044	.00077	-.00017	.02342	.00004
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	-.00025	.00003	-.00071	-.00021	.26097	-.00022	.00038
SDev	.00000	.00001	.00101	.00010	.02590	.00213	.00000
%RSD	.00000	27.575	141.42	46.893	9.9246	968.49	1.0964
#1	-.00025	.00004	.00000	-.00014	.27928	.00128	.00037
#2	-.00025	.00002	-.00143	-.00027	.24265	-.00172	.00038
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.01500	.04000	.04000	.01000	5.0000	.01000	.05000

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

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

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

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

Analysis Report 10/20/00 11:19:55 PM page 1

Method: QTESTNAK Sample Name: CCVT Operator: KT
Run Time: 10/20/00 23:14:04
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.48049	.49256	.48944	23.805	.49321	1.9781	2.0178
SDev	.00430	.00799	.00010	.031	.00400	.0159	.0025
%RSD	.89427	1.6218	.02092	.13158	.81124	.80155	.12200
#1	.47746	.48692	.48937	23.828	.49038	1.9669	2.0195
#2	.48353	.49821	.48951	23.783	.49604	1.9893	2.0160
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	.49483	99.014	1.9931	1.9670	1.9260	24.948	99.420
SDev	.00444	.085	.0121	.0131	.0028	.005	.628
%RSD	.89808	.08621	.60810	.66691	.14437	.01914	.63216
#1	.49169	99.074	1.9845	1.9577	1.9279	24.952	98.975
#2	.49797	98.954	2.0017	1.9762	1.9240	24.945	99.864
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	2.0029	1.9524	1.9787	.97297	47.625	.95739	2.0047
SDev	.0120	.0479	.0169	.00221	.026	.00372	.0012
%RSD	.60079	2.4545	.85472	.22683	.05482	.38825	.06159
#1	1.9944	1.9185	1.9667	.97453	47.606	.95476	2.0038
#2	2.0115	1.9863	1.9906	.97141	47.643	.96002	2.0055
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	1.9878	1.9967	1.9135	.48649	.49536	.48032	.48058
SDev	.0018	.0083	.0127	.00259	.00489	.00285	.00502
%RSD	.09029	.41444	.66312	.53324	.98689	.59284	1.0447
#1	1.9891	1.9909	1.9225	.48466	.49881	.47831	.47703
#2	1.9866	2.0026	1.9045	.48832	.49190	.48233	.48413
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

nits			ppm	ppm	ppm
Avge	.49226	.49272	1.929	2.022	1.949
SDev	.00805	.00796	.027	.014	.020
%RSD	1.6359	1.6148	1.385	.6946	1.011
#1	.48657	.48709	1.910	2.013	1.935
#2	.49796	.49834	1.948	2.032	1.963
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	4671	--	--	--	--	--	--
SDev	14.42491	--	--	--	--	--	--
%RSD	.3088131	--	--	--	--	--	--
#1	4661	--	--	--	--	--	--
#2	4681	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: CCBT. Operator: KT
Run Time: 10/20/00 23:22:07
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00029	-.00053	.00026	-.05218	.00971	.00022	.00001
SDev	.00287	.00223	.00060	.00688	.00012	.00000	.00000
%RSD	975.28	417.48	232.11	13.179	1.2528	.37369	18.161
#1	-.00232	-.00211	.00068	-.04732	.00962	.00022	.00001
#2	.00174	.00104	-.00016	-.05704	.00979	.00022	.00001
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.00500	.06000	.20000	.01000	.02000	.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00037	.00138	.00014	-.00078	.00061	-.00342	.00363
SDev	.00037	.00028	.00015	.00000	.00032	.00004	.00006
%RSD	99.021	20.562	110.65	.37252	52.396	1.2268	1.7656
#1	.00063	.00118	.00025	-.00078	.00084	-.00339	.00358
#2	.00011	.00159	.00003	-.00078	.00038	-.00345	.00368
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	.00198	.00143	-.00007	.33384	.00338	.00037
SDev	.00036	.00276	.00000	.00029	.10312	.00290	.00000
%RSD	17444.	139.27	.18861	426.03	30.890	85.735	.78137
#1	.00026	.00003	.00143	-.00027	.26092	.00133	.00037
#2	-.00025	.00393	.00143	.00014	.40675	.00543	.00037
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.01500	.04000	.04000	.01000	5.0000	.01000	.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.00049	-.00162	-.00495	.00036	.00005	-.00302	.00107
SDev	.00070	.00001	.00670	.00091	.00003	.00507	.00177
%RSD	141.48	.33187	135.22	253.61	54.313	167.90	166.14
#1	-.00000	-.00163	-.00022	.00100	.00003	-.00661	-.00019
#2	.00099	-.00162	-.00969	-.00028	.00007	.00057	.00232
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

.nits			ppm	ppm	ppm
Avge	.00097	-.00129	.0014	.0000	<.0000
SDev	.00190	.00428	.0020	.0000	.0004
%RSD	195.08	333.38	141.4	.0000	5.968
#1	.00232	-.00431	.0028	.0000	<.0000
#2	-.00037	.00174	.0000	.0000	<.0000
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value			.0000	.0000	.0000
Range			.2000	.0500	.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4829	--	--	--	--	--	--
SDev	9.107452	--	--	--	--	--	--
%RSD	.1886070	--	--	--	--	--	--
#1	4835	--	--	--	--	--	--
#2	4822	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: DNEVKCT 5X Operator: KT
Run Time: 10/20/00 23:28:02
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.96617	.19450	.00171	-.08323	.97621	9.5577	-.00051
SDev	.00535	.00513	.00233	.00293	.00424	.0067	.00000
%RSD	.55412	2.6382	135.96	3.5177	.43475	.07045	.06301
#1	.96239	.19087	.00007	-.08530	.97320	9.5530	-.00051
#2	.96996	.19813	.00336	-.08116	.97921	9.5625	-.00051
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	.19847	.04321	1.0121	.00155	.94991	.00511	.00101
SDev	.00109	.00011	.0043	.00112	.00123	.01454	.00004
%RSD	.54809	.24835	.42706	71.856	.12940	284.41	4.0373
#1	.19770	.04314	1.0091	.00076	.95078	-.00517	.00104
#2	.19924	.04329	1.0152	.00234	.94904	.01539	.00098
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	-.00025	-.00187	.00585	.19439	247.14	-.00022	.00012
SDev	.00000	.00280	.00000	.00009	.40	.00123	.00000
%RSD	.00000	150.27	.05565	.04658	.16054	550.54	1.5587
#1	-.00025	.00012	.00585	.19446	247.42	-.00109	.00012
#2	-.00025	-.00385	.00585	.19433	246.86	.00065	.00012
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	.00101	1.0074	.02790	.00305	-.00097	.95664	.97093
SDev	.00000	.0018	.00000	.00306	.00087	.00195	.00900
%RSD	.13381	.17495	.00152	100.12	90.136	.20350	.92679
#1	.00101	1.0061	.02790	.00089	-.00159	.95802	.96457
#2	.00100	1.0086	.02790	.00521	-.00035	.95526	.97729
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
Avge	.20825	.18763	.0043	.0002	<.0000
SDev	.00365	.00952	.0020	.0000	.0008
%RSD	1.7532	5.0717	47.09	.0556	20.15
#1	.21084	.18090	.0057	.0002	<.0000
#2	.20567	.19436	.0029	.0002	<.0000
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4728	--	--	--	--	--	--
SDev	2.630589	--	--	--	--	--	--
%RSD	.0556435	--	--	--	--	--	--
#1	4729	--	--	--	--	--	--
#2	4726	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: DM80TST 5X Operator: KT
Time: 10/20/00 23:40:14
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.95032	.19473	-.00025	-.05553	.96481	9.4357	-.00051
SDev	.00181	.00011	.00025	.00116	.00693	.0106	.00000
%RSD	.19060	.05665	97.555	2.0828	.71864	.11215	.03252
#1	.94904	.19481	-.00043	-.05471	.96971	9.4282	-.00051
#2	.95160	.19465	-.00008	-.05635	.95991	9.4432	-.00051
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	.19462	2.0233	.99211	.00314	.95065	.00845	.10270
SDev	.00084	.0021	.00348	.00112	.00085	.00990	.00005
%RSD	.43261	.10270	.35127	35.637	.08979	117.11	.04775
#1	.19403	2.0248	.98965	.00235	.95005	.01545	.10274
#2	.19522	2.0218	.99458	.00394	.95126	.00145	.10267
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	.00602	.00213	.01176	.13409	246.82	.00212	.00011
SDev	.00001	.00281	.00001	.00043	.44	.00476	.00000
%RSD	.09966	131.83	.09565	.31922	.17693	224.39	.68070
#1	.00602	.00014	.01177	.13439	247.13	.00549	.00011
#2	.00601	.00413	.01175	.13379	246.51	-.00125	.00011
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	.00051	1.0649	.02309	-.00013	-.00051	.94599	.95248
SDev	.00072	.0014	.00681	.00105	.00136	.00950	.00746
%RSD	140.85	.13047	29.503	825.50	267.57	1.0044	.78315
#1	.00101	1.0639	.02790	-.00087	.00045	.95271	.94721
#2	.00000	1.0659	.01827	.00062	-.00147	.93927	.95776
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	.19122	.19648	.0402	.0214	.4543
SDev	.00863	.00414	.0000	.0001	.0042
%RSD	4.5125	2.1084	.0957	.6222	.9273
#1	.19732	.19355	.0402	.0213	.4513
#2	.18512	.19941	.0401	.0215	.4572
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4702	--	--	--	--	--	--
SDev	4.497447	--	--	--	--	--	--
%RSD	.0956525	--	--	--	--	--	--
#1	4699	--	--	--	--	--	--
#2	4705	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DM80TDT 5X Operator: KT
ı Time: 10/20/00 23:48:16
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.93845	.18784	.00368	-.06374	.95015	9.3347	-.00051
SDev	.00009	.01142	.00302	.00306	.01197	.0154	.00000
%RSD	.00994	6.0813	82.158	4.7970	1.2596	.16472	.46318
#1	.93852	.17977	.00154	-.06590	.95862	9.3455	-.00051
#2	.93839	.19592	.00581	-.06158	.94169	9.3238	-.00051
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	.19074	1.9686	.97993	.00315	.95001	.01195	.10281
SDev	.00006	.0212	.00235	.00113	.00215	.00499	.00028
%RSD	.03032	1.0765	.23956	35.918	.22632	41.758	.26873
#1	.19078	1.9536	.97827	.00395	.95153	.00842	.10300
#2	.19070	1.9836	.98159	.00235	.94849	.01548	.10261
ırrors	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	.00603	-.00185	.01252	.13679	241.74	-.00327	.00011
SDev	.00002	.00282	.00108	.00001	.13	.00621	.00000
%RSD	.30948	152.13	8.6149	.00451	.05364	189.94	3.7595
#1	.00604	-.00385	.01328	.13680	241.83	.00112	.00011
#2	.00601	.00014	.01176	.13679	241.65	-.00766	.00012
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	-.00000	1.0599	.01827	.00414	.00275	.93545	.93995
SDev	.00000	.0017	.01363	.00613	.00321	.00672	.00321
%RSD	94.794	.15787	74.594	148.04	116.87	.71834	.34204
#1	-.00000	1.0587	.02790	-.00019	.00501	.94021	.93768
#2	-.00000	1.0610	.00863	.00847	.00048	.93070	.94223
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	.19146	.18604	.0359	.0210	.4492
SDev	.01369	.01029	.0019	.0001	.0019
%RSD	7.1497	5.5323	5.360	.4357	.4249
#1	.18178	.17876	.0346	.0209	.4479
#2	.20114	.19332	.0373	.0210	.4506
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	4694	--	--	--	--	--	--
SDev	13.94395	--	--	--	--	--	--
%RSD	.2970603	--	--	--	--	--	--
#1	4684	--	--	--	--	--	--
#2	4704	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DNCMGB-0292310 Operator: KT
Run Time: 10/20/00 23:56:19
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00275	.00418	.00246	-.05181	.00744	.00068	.00005
SDev	.00036	.00138	.00056	.00615	.00492	.00001	.00001
%RSD	13.066	32.950	22.676	11.869	66.110	1.2943	27.287
#1	.00250	.00321	.00286	-.04746	H.01092	.00069	.00006
#2	.00300	H.00516	.00207	-.05616	.00396	.00067	.00004
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.00500	.06000	.20000	.01000	.02000	.00500
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00098	.04459	.00208	-.00002	.00126	.02386	.00757
SDev	.00021	.00191	.00021	.00112	.00014	.00979	.00020
%RSD	20.993	4.2829	10.180	4699.6	11.255	41.022	2.6125
#1	.00113	.04594	.00223	.00077	.00137	.01694	.00771
#2	.00084	.04324	.00193	-.00081	.00116	.03078	.00743
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00027	.00216	.00073	.00007	.76873	L-.01253	-.00007
SDev	.00001	.00288	.00103	.00010	.10696	.00066	.00055
%RSD	1.8952	133.41	141.42	141.32	13.914	5.2912	767.23
#1	.00027	.00420	.00000	.00014	.69310	L-.01300	.00032
#2	.00027	.00012	.00146	.00000	.84436	L-.01206	-.00046
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	.01500	.04000	.04000	.01000	5.0000	.01000	.05000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.00101	.00189	-.00592	.00264	.00211	.00561	.00132
SDev	.00001	.00007	.00716	.00080	.00008	.00305	.00206
%RSD	1.1172	3.8475	120.85	30.133	3.9914	54.433	156.42
#1	.00102	.00194	-.01099	.00320	.00217	.00777	-.00014
#2	.00101	.00184	-.00086	.00208	.00205	.00345	.00278
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	-.01601	.01426	.0000	.0000	.0255
SDev	.00050	.00182	.0000	.0000	.0024
%RSD	3.1174	12.742	.0000	.0000	9.375
#1	-.01636	.01298	.0000	.0000	.0272
#2	-.01565	.01555	.0000	.0000	.0238
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	4694	--	--	--	--	--	--
SDev	46.13181	--	--	--	--	--	--
%RSD	.9827114	--	--	--	--	--	--
#1	4662	--	--	--	--	--	--
#2	4727	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DNCMGC Operator: KT
Run Time: 10/21/00 00:02:14
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.47178	1.7381	.48165	1.8564	1.8404	2.0045	.05098
SDev	.00160	.0000	.00302	.0026	.0091	.0018	.00014
%RSD	.33906	.00097	.62780	.14138	.49209	.08728	.27637
#1	.47065	1.7380	.47951	1.8583	1.8468	2.0057	.05108
#2	.47291	1.7381	.48379	1.8546	1.8340	2.0033	.05089
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	.05129	49.197	.20318	.50085	.24722	.98722	49.565
SDev	.00057	.043	.00017	.00133	.00171	.00828	.046
%RSD	1.1185	.08839	.08577	.26482	.69066	.83869	.09343
#1	.05170	49.166	.20306	.49991	.24843	.98137	49.598
#2	.05089	49.228	.20330	.50179	.24602	.99308	49.532
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
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	.50656	.98647	.49486	.04097	46.147	1.9251	1.0437
SDev	.00124	.00222	.00217	.00004	.099	.0135	.0004
%RSD	.24429	.22463	.43879	.09317	.21539	.69972	.03902
#1	.50569	.98490	.49640	.04094	46.217	1.9155	1.0440
#2	.50744	.98803	.49333	.04100	46.077	1.9346	1.0434
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
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	.50061	.48058	1.9147	.47807	.48881	.47593	.46971
SDev	.00107	.00053	.0054	.00612	.00318	.00397	.00438
%RSD	.21403	.10954	.27944	1.2799	.64967	.83416	.93256
#1	.50137	.48021	1.9185	.47375	.49106	.47874	.46661
#2	.49985	.48095	1.9109	.48240	.48657	.47313	.47281
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	1.7143	1.7499	.9596	1.055	6.161
SDev	.0246	.0123	.0000	.000	.032
%RSD	1.4323	.70199	.0030	.0272	.5208
#1	1.7317	1.7412	.9597	1.055	6.138
#2	1.6970	1.7586	.9596	1.054	6.184
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	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	4575	--	--	--	--	--	--
SDev	29.95295	--	--	--	--	--	--
%RSD	.6547006	--	--	--	--	--	--
#1	4554	--	--	--	--	--	--
#2	4596	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DM9EJ Operator: KT
Run Time: 10/21/00 00:16:31
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06138	.00611	.00388	247.58	.03575	1.7718	.00756
SDev	.00261	.00028	.00149	.35	.01119	.0088	.00004
%RSD	4.2467	4.6544	38.393	.14063	31.300	.49624	.52505
#1	.05954	.00631	.00282	247.83	.02783	1.7656	.00759
#2	.06323	.00591	.00493	247.34	.04366	1.7780	.00753
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	-.00483	34.151	.27369	.12566	.17470	280.37	62.285
SDev	.00120	.014	.00137	.00153	.00042	.14	.334
%RSD	24.935	.03998	.50176	1.2185	.24145	.04982	.53612
#1	L-.00568	34.141	.27272	.12457	.17500	280.46	62.048
#2	-.00398	34.161	.27466	.12674	.17441	280.27	62.521
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	4.8954	-.00288	.21378	-.00262	8.7278	-.00733	10.198
SDev	.0267	.00010	.00010	.00030	.0492	.00303	.009
%RSD	.54526	3.5946	.04618	11.425	.56407	41.347	.08751
#1	4.8766	-.00295	.21371	-.00283	8.7626	-.00948	10.192
#2	4.9143	-.00281	.21385	-.00241	8.6930	-.00519	10.205
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	.55310	.51886	.01840	.00235	.00694	.07584	.05417
SDev	.00035	.00112	.00669	.00294	.00142	.00441	.00170
%RSD	.06311	.21642	36.350	125.37	20.520	5.8200	3.1470
#1	.55335	.51806	.02313	.00027	.00795	.07272	.05296
#2	.55286	.51965	.01367	.00443	.00593	.07896	.05537
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

ıits			ppm	ppm	ppm
..vge	-.01251	.01541	.0365	.4896	2.229
SDev	.00441	.00177	.0002	.0024	.010
%RSD	35.249	11.515	.4300	.4899	.4663
#1	-.00939	.01415	.0366	.4879	2.222
#2	-.01562	.01666	.0364	.4913	2.237
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	4802	--	--	--	--	--	--
SDev	20.64766	--	--	--	--	--	--
%RSD	.4299875	--	--	--	--	--	--
#1	4787	--	--	--	--	--	--
#2	4817	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DM9EJP Operator: KT
Run Time: 10/21/00 00:26:38
Comment:
Mode: CONC Corr. Factor: 5

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L.06357	L.01647	L.03154	243.78	L.07579	1.8219	.00813
SDev	.00207	.01130	.03057	5.39	.00278	.0622	.00003
%RSD	3.2508	68.588	96.911	2.2125	3.6621	3.4123	.30932
#1	L.06504	L.00848	L.05315	247.60	L.07383	1.8658	.00815
#2	L.06211	L.02446	L.00993	239.97	L.07775	1.7779	.00811
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-.00480	35.577	.28382	.12710	.17468	288.11	65.344
SDev	.00102	.762	.01446	.01086	.00252	6.46	2.324
%RSD	21.247	2.1412	5.0941	8.5473	1.4401	2.2422	3.5567
#1	L-.00407	36.116	.29405	.13478	.17646	292.68	66.988
#2	L-.00552	35.039	.27360	.11942	.17290	283.54	63.701
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	5.1202	L-.00007	.21181	L-.00261	10.211	L.01244	10.469
SDev	.1710	.01338	.01080	.00002	.027	.00063	.246
%RSD	3.3397	18627.	5.0981	.86417	.26387	5.0300	2.3479
#1	5.2411	L-.00954	.21945	L-.00262	10.230	L.01200	10.643
#2	4.9993	L.00939	.20418	L-.00259	10.192	L.01289	10.295
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	.56403	.62817	L.05326	.04655	.00147	.08241	.05417
SDev	.01156	.01847	.03337	.05272	.01382	.00009	.00314
%RSD	2.0500	2.9407	62.661	113.26	940.36	.10286	5.7978
#1	.57220	.64124	L.07686	.08383	-.00830	.08235	.05639
#2	.55585	.61511	L.02966	.00927	.01124	.08247	.05195
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

nits			ppm	ppm	ppm
Avge	-.01886	.03411	L.0285	.5041	2.328
SDev	.03314	.00039	.0001	.0179	.104
%RSD	175.72	1.1539	.2217	3.546	4.469
#1	-.04229	.03383	L.0285	.5167	2.402
#2	.00457	.03439	L.0285	.4915	2.254
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	4733	--	--	--	--	--	--
SDev	10.49370	--	--	--	--	--	--
%RSD	.2217294	--	--	--	--	--	--
#1	4725	--	--	--	--	--	--
#2	4740	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: DM9EJS Operator: KT
Run Time: 10/21/00 00:34:41
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.48994	1.6258	.19008	303.73	1.7150	3.1586	.05385
SDev	.00170	.0112	.00400	.48	.0140	.0003	.00013
%RSD	.34615	.68590	2.1035	.15953	.81878	.00966	.23602
#1	.48874	1.6336	.18726	304.07	1.7249	3.1584	.05394
#2	.49113	1.6179	.19291	303.39	1.7051	3.1588	.05376
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	.04159	78.690	.47039	.56675	.41442	287.33	108.93
SDev	.00113	.019	.00019	.00218	.00174	.28	.00
%RSD	2.7262	.02459	.04103	.38541	.42002	.09820	.00172
#1	.04079	78.703	.47025	.56521	.41565	287.53	108.93
#2	.04239	78.676	.47053	.56830	.41319	287.13	108.93
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	4.9905	.84597	.65612	.03609	53.719	1.7645	12.122
SDev	.0050	.00085	.00280	.00032	.199	.0035	.007
%RSD	.10070	.10065	.42624	.87692	.37128	.19933	.05498
#1	4.9869	.84537	.65809	.03631	53.861	1.7620	12.126
#2	4.9940	.84658	.65414	.03586	53.578	1.7670	12.117
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	1.0329	.98213	1.7278	.19095	.18834	.50090	.48446
SDev	.0018	.00007	.0106	.00771	.00344	.00319	.00413
%RSD	.17533	.00750	.61255	4.0380	1.8248	.63601	.85313
#1	1.0341	.98208	1.7203	.18550	.19077	.50315	.48154
#2	1.0316	.98219	1.7353	.19640	.18591	.49865	.48738
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	1.6056	1.6358	.9026	1.421	4.283
SDev	.0139	.0098	.0029	.000	.001
%RSD	.86852	.59641	.3205	.0092	.0214
#1	1.6155	1.6427	.9006	1.421	4.284
#2	1.5958	1.6289	.9047	1.421	4.282
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	4662	--	--	--	--	--	--
SDev	27.32270	--	--	--	--	--	--
%RSD	.5860323	--	--	--	--	--	--
#1	4643	--	--	--	--	--	--
#2	4682	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DM9EJD Operator: KT
Run Time: 10/21/00 00:42:44
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50113	1.6199	.20414	304.63	1.7299	4.8963	.05463
SDev	.00168	.0013	.00378	.05	.0054	.0104	.00002
%RSD	.33450	.07787	1.8513	.01656	.31065	.21166	.03851
#1	.50231	1.6208	.20147	304.59	1.7337	4.9036	.05465
#2	.49994	1.6190	.20682	304.66	1.7261	4.8890	.05462
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	.04320	80.122	.47651	.57052	.42599	288.02	109.94
SDev	.00012	.154	.00040	.00122	.00137	.15	.13
%RSD	.26763	.19236	.08484	.21393	.32257	.05086	.11790
#1	.04328	80.013	.47622	.56966	.42696	287.92	110.03
#2	.04312	80.231	.47679	.57138	.42502	288.13	109.85
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	4.9888	.86747	.66230	.03579	54.225	1.7841	12.273
SDev	.0045	.00622	.00140	.00067	.037	.0037	.001
%RSD	.09005	.71680	.21123	1.8807	.06754	.20828	.01173
#1	4.9857	.87187	.66131	.03627	54.251	1.7868	12.272
#2	4.9920	.86308	.66329	.03531	54.199	1.7815	12.274
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	1.0410	1.0017	1.7547	.20081	.21082	.51813	.49264
SDev	.0001	.0019	.0129	.00719	.00305	.00479	.00012
%RSD	.01047	.19131	.73528	3.5798	1.4463	.92535	.02425
#1	1.0409	1.0003	1.7639	.19573	.21298	.52152	.49272
#2	1.0411	1.0031	1.7456	.20589	.20867	.51474	.49255
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	1.5993	1.6301	.9257	1.516	4.637
SDev	.0154	.0058	.0075	.002	.019
%RSD	.96026	.35432	.8092	.1476	.4153
#1	1.6102	1.6261	.9204	1.518	4.651
#2	1.5884	1.6342	.9310	1.514	4.624
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	4655	--	--	--	--	--	--
SDev	34.45039	--	--	--	--	--	--
%RSD	.7400411	--	--	--	--	--	--
#1	4631	--	--	--	--	--	--
#2	4680	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: DM9FE Operator: KT
Run Time: 10/21/00 00:50:47
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04768	.00650	.00258	141.36	.02847	1.2397	.00471
SDev	.00059	.00248	.00118	.72	.00020	.0001	.00024
%RSD	1.2400	38.116	45.533	.50724	.71391	.00717	5.1970
#1	.04727	.00825	.00175	141.87	.02861	1.2398	.00488
#2	.04810	.00475	.00342	140.86	.02832	1.2397	.00454
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	-.00322	23.478	.17858	.10138	.15184	174.75	35.829
SDev	.00051	.061	.00083	.00034	.00118	.67	.030
%RSD	15.896	.26023	.46415	.33134	.77511	.38568	.08378
#1	-.00286	23.522	.17916	.10114	.15267	175.22	35.850
#2	-.00358	23.435	.17799	.10162	.15101	174.27	35.808
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	6.1135	.00377	.11915	-.00238	4.0548	-.00583	9.4637
SDev	.0110	.00283	.00018	.00029	.0854	.00236	.0433
%RSD	.18020	75.217	.15231	12.199	2.1067	40.464	.45740
#1	6.1057	.00577	.11902	-.00217	4.1152	-.00750	9.4943
#2	6.1213	.00176	.11927	-.00258	3.9944	-.00416	9.4331
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	.38576	.34692	.02307	.00385	.00004	.05806	.04250
SDev	.00004	.00144	.00687	.00317	.00282	.00354	.00088
%RSD	.01095	.41441	29.778	82.337	6425.1	6.1059	2.0782
#1	.38573	.34794	.01821	.00161	.00204	.05555	.04313
#2	.38579	.34591	.02792	.00609	-.00195	.06056	.04188
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	.00080	.00934	.0245	.3045	2.168
SDev	.00166	.00289	.0019	.0003	.014
%RSD	206.62	30.890	7.595	.0849	.6638
#1	.00197	.01138	.0232	.3043	2.178
#2	-.00037	.00730	.0259	.3047	2.157
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	4671	--	--	--	--	--	--
SDev	33.91316	--	--	--	--	--	--
%RSD	.7260892	--	--	--	--	--	--
#1	4647	--	--	--	--	--	--
#2	4695	--	--	--	--	--	--

Method: QTESTNAK Sample Name: CCVT Operator: KT
Run Time: 10/21/00 00:58:50
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.48080	.48307	.49148	23.743	.49454	1.9676	2.0115
SDev	.00064	.00044	.00453	.001	.00602	.0046	.0021
%RSD	.13272	.09107	.92161	.00325	1.2176	.23533	.10445
#1	.48125	.48338	.49468	23.743	.49028	1.9709	2.0100
#2	.48035	.48276	.48827	23.742	.49879	1.9644	2.0130
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	.49092	98.688	1.9824	1.9525	1.9233	24.741	99.411
SDev	.00185	.115	.0044	.0037	.0006	.066	.212
%RSD	.37684	.11620	.22293	.19156	.02961	.26735	.21314
#1	.49222	98.607	1.9855	1.9551	1.9237	24.788	99.561
#2	.48961	98.770	1.9792	1.9498	1.9229	24.694	99.261
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	110.00	2.2000	2.2000	2.2000	27.500	110.00
Low	.45000	90.000	1.8000	1.8000	1.8000	22.500	90.000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.9869	1.9337	1.9663	.97621	47.923	.94132	2.0041
SDev	.0039	.0275	.0030	.00071	.163	.00982	.0037
%RSD	.19570	1.4240	.15046	.07252	.34085	1.0427	.18377
#1	1.9897	1.9142	1.9684	.97571	48.039	.93438	2.0015
#2	1.9842	1.9531	1.9642	.97671	47.808	.94826	2.0067
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	1.9834	1.9961	1.9250	.49323	.48797	.47873	.48184
SDev	.0015	.0037	.0000	.00252	.00856	.00325	.00258
%RSD	.07674	.18392	.00049	.51052	1.7539	.67901	.53536
#1	1.9823	1.9987	1.9250	.49501	.49402	.47643	.48366
#2	1.9845	1.9935	1.9250	.49145	.48192	.48102	.48001
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	.48624	.48148	1.930	2.007	1.950
SDev	.00359	.00113	.003	.005	.002
%RSD	.73825	.23523	.1709	.2574	.1022
#1	.48878	.48068	1.928	2.011	1.952
#2	.48370	.48228	1.932	2.004	1.949
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	4595	--	--	--	--	--	--
SDev	16.85766	--	--	--	--	--	--
%RSD	.3668633	--	--	--	--	--	--
#1	4583	--	--	--	--	--	--
#2	4607	--	--	--	--	--	--

Analysis Report QC Standard 10/21/00 01:16:53 AM page 1

Method: QTESTNAK Sample Name: CCBT. Operator: KT
F Time: 10/21/00 01:11:02
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00001	-.00158	.00301	-.06220	.00811	.00023	-.00010
SDev	.00195	.00097	.00192	.00100	.00185	.00000	.00020
%RSD	17014.	61.428	63.826	1.6147	22.850	.05227	201.15
#1	.00139	-.00226	.00165	-.06149	.00941	.00023	.00004
#2	-.00137	-.00089	.00437	-.06291	.00680	.00023	-.00024
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	.00019	.00456	-.00003	.00077	.00091	.01686	.00386
SDev	.00020	.00004	.00016	.00223	.00036	.01931	.00005
%RSD	108.08	.91104	506.26	291.78	39.450	114.51	1.2138
#1	.00033	.00459	.00008	-.00081	.00116	.00321	.00382
#2	.00004	.00453	-.00015	.00234	.00065	.03051	.00389
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	.00027	.00210	-.00073	-.00007	.37789	.00000	.00034
SDev	.00000	.00281	.00103	.00010	.06514	.00250	.00000
%RSD	.05227	133.47	141.42	140.53	17.237	78727.	.13681
#1	.00027	.00012	.00000	-.00014	.33183	.00177	.00034
#2	.00027	.00409	-.00146	-.00000	.42396	-.00176	.00034
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	-.00155	-.00085	.00412	.00079	.00095	-.00046
SDev	.00000	.00000	.00001	.00332	.00089	.00053	.00319
%RSD	264.55	.03404	.85641	80.655	112.57	56.426	699.39
#1	-.00000	-.00155	-.00085	.00177	.00141	.00057	.00180
#2	.00000	-.00155	-.00084	.00646	.00016	.00133	-.00271
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	-.00106	-.00184	.0014	.0000	<.0000
sDev	.00001	.00145	.0020	.0000	.0009
%RSD	.80707	78.851	141.4	.0000	31.02
#1	-.00106	-.00286	.0029	.0000	<.0000
#2	-.00105	-.00081	.0000	.0000	<.0000
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value			.0000	.0000	.0000
Range			.2000	.0500	.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4730	--	--	--	--	--	--
SDev	1.272654	--	--	--	--	--	--
%RSD	.0269086	--	--	--	--	--	--
#1	4729	--	--	--	--	--	--
#2	4730	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DM9FJ Operator: KT
Run Time: 10/21/00 01:16:57
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.07490	.00693	.00320	302.54	.04269	1.8115	.00942
SDev	.00275	.01052	.00466	.31	.00065	.0097	.00005
%RSD	3.6699	151.86	145.49	.10334	1.5150	.53539	.54365
#1	.07296	.01437	.00650	302.32	.04315	1.8046	.00945
#2	.07685	-.00051	-.00009	302.76	.04224	1.8183	.00938
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.00705	37.535	.32478	.14673	.16261	332.10	74.466
SDev	.00056	.052	.00214	.00027	.00000	.50	.301
%RSD	7.9179	.13799	.66012	.18574	.00113	.15034	.40457
#1	L-.00744	37.498	.32326	.14654	.16261	331.75	74.253
#2	L-.00665	37.571	.32630	.14692	.16261	332.45	74.679
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.5806	.00158	.20721	-.00352	10.544	L-.01826	13.464
SDev	.0313	.00018	.00116	.00041	.066	.00250	.020
%RSD	.56077	11.189	.56144	11.721	.63051	13.706	.14939
#1	5.5584	.00145	.20638	-.00381	10.591	L-.01649	13.450
#2	5.6027	.00170	.20803	-.00323	10.497	L-.02003	13.478
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	.68573	.60641	.00079	.00200	.00561	.09185	.06645
SDev	.00112	.00544	.01370	.00533	.00332	.00257	.00540
%RSD	.16392	.89695	1737.5	266.16	59.125	2.7962	8.1322
#1	.68493	.60257	.01048	.00578	.00795	.09366	.06262
#2	.68652	.61026	-.00890	-.00177	.00326	.09003	.07027
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	-.00779	.01428	.0491	.5261	2.058
SDev	.00833	.01162	.0002	.0027	.008
%RSD	106.92	81.366	.4487	.5193	.4061
#1	-.00190	.02249	.0492	.5242	2.052
#2	-.01368	.00606	.0489	.5281	2.064
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	4671	--	--	--	--	--	--
SDev	20.95874	--	--	--	--	--	--
%RSD	.4487280	--	--	--	--	--	--
#1	4656	--	--	--	--	--	--
#2	4686	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DM9FM Operator: KT
Run Time: 10/21/00 01:22:53
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06089	.00919	.00420	357.80	.04846	1.7857	.01186
SDev	.00211	.00073	.00137	.34	.00704	.0111	.00007
%RSD	3.4644	7.9336	32.666	.09450	14.519	.61944	.57999
#1	.06238	.00867	.00323	358.04	.04349	1.7779	.01191
#2	.05940	.00970	.00517	357.56	.05344	1.7935	.01182
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.00787	35.071	.42493	.09187	.22188	330.21	69.713
SDev	.00031	.018	.00180	.00053	.00075	.21	.315
%RSD	3.9906	.05071	.42383	.57995	.33908	.06362	.45164
#1	L-.00765	35.058	.42365	.09150	.22242	330.35	69.491
#2	L-.00810	35.083	.42620	.09225	.22135	330.06	69.936
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.4100	.00167	.19353	-.00135	10.168	L-.02319	12.489
SDev	.0219	.00551	.00112	.00010	.098	.00178	.007
%RSD	.64111	330.91	.57830	7.1736	.96133	7.6656	.05818
#1	3.3946	.00556	.19274	-.00128	10.237	L-.02193	12.494
#2	3.4255	-.00223	.19432	-.00142	10.099	L-.02445	12.484
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	.61481	.63873	.01957	.00440	.00381	.07505	.05382
SDev	.00188	.00141	.01356	.00598	.00785	.00290	.00172
%RSD	.30536	.22088	69.287	135.90	205.85	3.8616	3.1880
#1	.61348	.63773	.00998	.00017	.00936	.07710	.05504
#2	.61613	.63973	.02916	.00862	-.00174	.07300	.05261
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	-.01328	.02040	.0772	.5170	2.460
SDev	.01716	.00747	.0004	.0029	.017
%RSD	129.26	36.636	.4931	.5716	.6835
#1	-.02541	.02569	.0775	.5149	2.448
#2	-.00114	.01512	.0770	.5191	2.472
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	4715	--	--	--	--	--	--
SDev	23.24959	--	--	--	--	--	--
%RSD	.4930900	--	--	--	--	--	--
#1	4699	--	--	--	--	--	--
#2	4732	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: DM9FV Operator: KT
Time: 10/21/00 01:28:49
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06199	.00497	.00251	278.76	.03589	.96693	.00836
SDev	.00313	.00254	.00147	.17	.00258	.00096	.00026
%RSD	5.0511	51.068	58.608	.06119	7.1829	.09880	3.1565
#1	.06421	.00677	.00354	278.88	.03407	.96761	.00854
#2	.05978	.00318	.00147	278.64	.03771	.96626	.00817
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.00758	33.199	.30185	.12190	.16214	298.77	65.560
SDev	.00078	.024	.00168	.00096	.00135	.10	.015
%RSD	10.241	.07285	.55746	.78685	.82971	.03411	.02232
#1	L-.00812	33.182	.30304	.12258	.16309	298.70	65.571
#2	L-.00703	33.216	.30066	.12122	.16118	298.85	65.550
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.1286	-.00016	.18710	-.00341	8.9885	-.00381	15.377
SDev	.0028	.00848	.00206	.00008	.1112	.00462	.001
%RSD	.05509	5418.5	1.1038	2.4695	1.2372	121.43	.00895
#1	5.1266	.00584	.18564	-.00335	9.0672	-.00708	15.376
#2	5.1306	-.00615	.18856	-.00347	8.9099	-.00054	15.378
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	.61170	.55791	.01108	.00118	.00516	.08055	.05273
SDev	.00132	.00126	.00000	.00351	.00262	.00178	.00381
%RSD	.21512	.22486	.00476	296.69	50.728	2.2087	7.2187
#1	.61077	.55702	.01108	.00366	.00331	.08181	.05542
#2	.61263	.55880	.01108	-.00130	.00701	.07929	.05004
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	-.00812	.01151	.0528	.4351	2.517
SDev	.00165	.00298	.0003	.0001	.012
%RSD	20.324	25.918	.6001	.0238	.4944
#1	-.00695	.01362	.0530	.4351	2.525
#2	-.00929	.00940	.0526	.4350	2.508
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	4600	--	--	--	--	--	--
SDev	27.60548	--	--	--	--	--	--
%RSD	.6001504	--	--	--	--	--	--
#1	4580	--	--	--	--	--	--
#2	4619	--	--	--	--	--	--

Standard Rinse of 30 seconds performed.

Method: QTESTNAK Sample Name: DM9F1 Operator: KT
F Time: 10/21/00 01:35:18
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.13773	.00623	.00280	118.18	.02448	.96665	.00406
SDev	.00122	.00213	.00456	.24	.00522	.00129	.00003
%RSD	.88615	34.105	162.55	.19973	21.316	.13362	.87158
#1	.13687	.00773	-.00042	118.35	.02817	.96756	.00408
#2	.13859	.00473	.00602	118.01	.02079	.96573	.00403
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	-.00185	20.217	.15531	.08733	.15504	147.15	28.614
SDev	.00013	.038	.00050	.00072	.00173	.16	.001
%RSD	7.2797	.18782	.32465	.82318	1.1183	.10922	.00403
#1	-.00194	20.190	.15566	.08784	.15626	147.03	28.615
#2	-.00175	20.243	.15495	.08682	.15381	147.26	28.613
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	4.1902	.00297	.09630	-.00217	2.3806	L-.01210	9.8239
SDev	.0035	.00007	.00060	.00011	.0959	.00668	.0106
%RSD	.08262	2.2448	.62795	5.1551	4.0277	55.190	.10822
#1	4.1878	.00293	.09672	-.00224	2.4484	-.00738	9.8164
#2	4.1927	.00302	.09587	-.00209	2.3128	L-.01682	9.8314
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	.31880	.49232	.00464	.00280	.00281	.14697	.13312
SDev	.00007	.00085	.00678	.00527	.00313	.00137	.00114
%RSD	.02262	.17220	146.07	188.33	111.24	.93516	.85913
#1	.31875	.49292	.00944	-.00093	.00060	.14600	.13231
#2	.31885	.49172	-.00015	.00652	.00503	.14794	.13392
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	-.01194	.01530	.0202	.2769	2.895
SDev	.00255	.00191	.0001	.0000	.008
%RSD	21.389	12.494	.6279	.0143	.2697
#1	-.01013	.01665	.0203	.2769	2.901
#2	-.01374	.01395	.0201	.2769	2.890
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4666	--	--	--	--	--	--
SDev	29.30246	--	--	--	--	--	--
%RSD	.6279512	--	--	--	--	--	--
#1	4646	--	--	--	--	--	--
#2	4687	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DM9F2 Operator: KT
I Time: 10/21/00 01:41:13
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05136	.00692	.00172	234.34	.03480	1.3307	.00685
SDev	.00021	.00125	.00131	.53	.00943	.0007	.00006
%RSD	.41029	18.073	75.959	.22513	27.103	.05542	.85019
#1	.05121	.00604	.00080	234.71	.04147	1.3312	.00689
#2	.05151	.00781	.00265	233.97	.02813	1.3301	.00680
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.00575	23.490	.24353	.08917	.15094	233.54	45.605
SDev	.00001	.039	.00053	.00039	.00068	.35	.002
%RSD	.21253	.16787	.21838	.43943	.44974	.15037	.00418
#1	L-.00575	23.462	.24316	.08889	.15142	233.79	45.607
#2	L-.00574	23.518	.24391	.08944	.15046	233.29	45.604
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.1961	.00147	.13548	-.00217	5.2525	L-.01204	12.361
SDev	.0114	.00279	.00016	.00009	.1797	.00160	.013
%RSD	.27191	190.10	.12104	4.2102	3.4221	13.296	.10646
#1	4.1880	.00344	.13537	-.00210	5.3796	L-.01091	12.371
#2	4.2041	-.00050	.13560	-.00223	5.1254	L-.01317	12.352
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	.48111	.44943	.01928	-.00018	.00552	.06428	.04491
SDev	.00256	.00072	.00693	.00272	.00152	.00025	.00019
%RSD	.53274	.16086	35.937	1531.2	27.539	.39540	.42093
#1	.47929	.44994	.01438	-.00210	.00660	.06410	.04478
#2	.48292	.44891	.02418	.00175	.00445	.06446	.04504
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	-.00442	.01258	.0409	.3359	2.725
SDev	.00602	.00113	.0003	.0001	.014
%RSD	136.38	8.9860	.6603	.0368	.5317
#1	-.00867	.01338	.0411	.3358	2.735
#2	-.00016	.01178	.0407	.3360	2.715
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	4618	--	--	--	--	--	--
SDev	30.49053	--	--	--	--	--	--
%RSD	.6602940	--	--	--	--	--	--
#1	4596	--	--	--	--	--	--
#2	4639	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DM9F4 Operator: KT
Run Time: 10/21/00 01:47:09
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05412	.00486	.00475	229.44	.04030	1.2892	.00657
SDev	.00021	.00395	.00529	.70	.00282	.0020	.00005
%RSD	.39537	81.377	111.35	.30529	6.9884	.15250	.82820
#1	.05427	.00765	.00101	229.93	.03831	1.2906	.00661
#2	.05397	.00206	.00849	228.94	.04229	1.2878	.00653
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.00545	23.388	.24461	.08918	.15399	233.36	46.479
SDev	.00010	.014	.00029	.00075	.00032	.19	.005
%RSD	1.7586	.06076	.11757	.83897	.20632	.08262	.01134
#1	L-.00552	23.378	.24481	.08971	.15421	233.49	46.476
#2	L-.00539	23.398	.24440	.08865	.15376	233.22	46.483
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.8550	.00346	.12896	-.00243	6.1115	L-.01303	11.378
SDev	.0016	.00567	.00296	.00029	.0795	.01057	.005
%RSD	.04104	163.64	2.2970	11.999	1.3009	81.071	.03994
#1	3.8539	.00747	.13105	-.00223	6.0552	-.00556	11.381
#2	3.8561	-.00054	.12686	-.00264	6.1677	L-.02050	11.375
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	.48836	.44457	.01483	.00374	.00678	.06797	.04721
SDev	.00036	.00066	.01388	.00662	.00263	.00050	.00057
%RSD	.07463	.14939	93.617	177.02	38.794	.73779	1.2100
#1	.48811	.44504	.02465	-.00094	.00492	.06762	.04761
#2	.48862	.44410	.00501	.00842	.00864	.06833	.04680
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	-.00715	.01085	.0380	.3306	2.722
SDev	.01125	.00031	.0003	.0006	.003
%RSD	157.29	2.8558	.6527	.1798	.0955
#1	.00080	.01107	.0382	.3310	2.720
#2	-.01510	.01063	.0379	.3302	2.723
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	4611	--	--	--	--	--	--
SDev	30.09451	--	--	--	--	--	--
%RSD	.6527300	--	--	--	--	--	--
#1	4589	--	--	--	--	--	--
#2	4632	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DM9F8 Operator: KT
ı Time: 10/21/00 01:53:05
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04478	.00960	.00805	171.40	.05462	1.3710	.00515
SDev	.00190	.00081	.00538	.50	.00149	.0015	.00022
%RSD	4.2387	8.4550	66.862	.29031	2.7212	.11053	4.3257
#1	.04612	.00903	.00424	171.75	.05357	1.3699	.00530
#2	.04344	.01018	.01185	171.04	.05567	1.3721	.00499
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.00501	59.434	.23887	.10150	.24791	252.02	70.458
SDev	.00087	.217	.00035	.00044	.00153	.26	.117
%RSD	17.314	.36430	.14786	.42864	.61643	.10431	.16579
#1	-.00439	59.280	.23862	.10181	.24899	251.83	70.375
#2	L-.00562	59.587	.23912	.10120	.24683	252.20	70.540
rrors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.0830	.00164	.19067	-.00247	9.8989	-.00834	14.029
SDev	.0265	.00556	.00042	.00080	.4119	.00402	.005
%RSD	.65017	339.77	.21770	32.273	4.1615	48.199	.03469
#1	4.0642	.00557	.19038	-.00190	10.190	-.00549	14.032
#2	4.1018	-.00229	.19097	-.00303	9.6076	L-.01118	14.025
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.51208	.53535	.02401	.00740	.00934	.05717	.03859
SDev	.00327	.00047	.01368	.00608	.00399	.00056	.00313
%RSD	.63836	.08688	56.987	82.061	42.719	.98740	8.1037
#1	.50977	.53502	.03368	.00311	.00652	.05677	.04080
#2	.51440	.53568	.01433	.01170	.01216	.05757	.03638
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	-.00809	.01843	.0402	.5499	2.533
SDev	.00270	.00256	.0001	.0008	.001
%RSD	33.354	13.909	.3283	.1463	.0494
#1	-.00618	.01662	.0403	.5493	2.533
#2	-.00999	.02025	.0401	.5505	2.532
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	4695	--	--	--	--	--	--
SDev	15.41513	--	--	--	--	--	--
%RSD	.3283267	--	--	--	--	--	--
#1	4684	--	--	--	--	--	--
#2	4706	--	--	--	--	--	--

Standard Rinse of 30 seconds performed.

Method: QTESTNAK Sample Name: DM9GF Operator: KT
Time: 10/21/00 01:59:33
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05601	.00378	-.00320	217.28	.04935	1.6645	.00591
SDev	.00186	.00723	.00403	.69	.00673	.0124	.00009
%RSD	3.3132	191.34	125.78	.31824	13.639	.74720	1.5591
#1	.05470	.00889	-.00605	217.76	.04459	1.6733	.00597
#2	.05732	-.00133	-.00035	216.79	.05411	1.6557	.00584
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00358	84.185	.24340	.11315	.27029	294.37	89.608
SDev	.00012	.739	.01460	.01172	.00314	1.43	.137
%RSD	3.2891	.87805	5.9983	10.354	1.1635	.48669	.15318
#1	-.00367	83.663	.23308	.10487	.27252	293.36	89.705
#2	-.00350	84.708	.25373	.12144	.26807	295.38	89.511
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	4.9758	-.00047	.17682	-.00103	10.869	L-.01078	18.715
SDev	.0803	.00332	.01165	.00294	.945	.00138	.043
%RSD	1.6136	711.81	6.5888	285.98	8.6932	12.781	.22745
#1	4.9191	-.00281	.16858	.00105	10.201	-.00981	18.685
#2	5.0326	.00188	.18506	-.00311	11.537	L-.01175	18.745
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	.57297	.70084	.02578	-.01113	.01266	.08841	.03984
SDev	.00384	.01298	.00713	.00900	.00592	.02407	.01480
%RSD	.66992	1.8515	27.670	80.866	46.750	27.230	37.155
#1	.57026	.69167	.03082	-.01749	.01685	.10543	.02937
#2	.57569	.71002	.02074	-.00476	.00848	.07138	.05030
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
Avge	.00412	.00361	.0349	.7291	3.211
SDev	.01399	.00385	.0037	.0026	.010
%RSD	340.04	106.66	10.62	.3602	.3149
#1	.01401	.00633	.0323	.7310	3.204
#2	-.00578	.00089	.0376	.7273	3.218
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	4631	--	--	--	--	--	--
SDev	54.24939	--	--	--	--	--	--
%RSD	1.171430	--	--	--	--	--	--
#1	4593	--	--	--	--	--	--
#2	4669	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DM9GH Operator: KT
Run Time: 10/21/00 02:05:29
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06040	.00781	.00378	237.85	.05422	1.6138	.00694
SDev	.00277	.00791	.00164	.25	.00027	.0076	.00040
%RSD	4.5901	101.26	43.288	.10339	.49445	.47080	5.8387
#1	.05844	.01340	.00262	238.02	.05403	1.6084	.00722
#2	.06236	.00222	.00494	237.68	.05441	1.6192	.00665
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.00554	83.673	.27388	.12015	.30992	308.26	91.518
SDev	.00052	.208	.00027	.00215	.00132	.00	.528
%RSD	9.4337	.24855	.09788	1.7874	.42700	.00128	.57715
#1	L-.00591	83.526	.27369	.11863	.31085	308.26	91.145
#2	L-.00517	83.820	.27407	.12167	.30898	308.27	91.891
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.6215	.00321	.20481	-.00293	11.429	-.00828	17.778
SDev	.0282	.00566	.00088	.00060	.064	.00553	.009
%RSD	.61031	176.15	.42947	20.597	.55686	66.828	.05218
#1	4.6015	.00721	.20419	-.00250	11.474	-.00437	17.784
#2	4.6414	-.00079	.20543	-.00336	11.384	L-.01219	17.771
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.60697	.76479	.01070	.00345	.00444	.07977	.05074
SDev	.00093	.00419	.02742	.00294	.00097	.00173	.00329
%RSD	.15377	.54720	256.33	85.032	21.749	2.1690	6.4903
#1	.60631	.76183	.03008	.00138	.00512	.07854	.04841
#2	.60763	.76775	-.00869	.00553	.00376	.08099	.05306
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
Avge	-.00260	.01300	.0462	.7494	5.437
SDev	.01514	.00429	.0000	.0039	.032
%RSD	582.18	33.024	.0811	.5156	.5803
#1	.00810	.01604	.0462	.7467	5.415
#2	-.01330	.00997	.0461	.7522	5.460
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	4675	--	--	--	--	--	--
SDev	3.789996	--	--	--	--	--	--
%RSD	.0810736	--	--	--	--	--	--
#1	4672	--	--	--	--	--	--
#2	4677	--	--	--	--	--	--

Standard Rinse of 30 seconds performed.

Method: QTESTNAK Sample Name: DM9GK Operator: KT
Run Time: 10/21/00 02:11:58
(ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.12681	.00878	.00626	145.64	.03691	1.2686	.00476
SDev	.00232	.00610	.00388	.23	.00018	.0042	.00002
%RSD	1.8312	69.482	61.998	.15784	.49953	.33478	.36900
#1	.12517	.00447	.00900	145.80	.03704	1.2656	.00477
#2	.12846	.01309	.00351	145.48	.03678	1.2716	.00475
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	-.00300	31.009	.19860	.08992	.18419	174.94	36.582
SDev	.00164	.048	.00073	.00032	.00090	.14	.128
%RSD	54.770	.15402	.36674	.35656	.48747	.07904	.34968
#1	-.00416	30.975	.19809	.09014	.18483	175.04	36.492
#2	-.00184	31.043	.19912	.08969	.18356	174.85	36.673
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	2.8254	.00195	.13930	-.00206	4.1271	-.00558	10.590
SDev	.0154	.00558	.00064	.00000	.0493	.00065	.002
%RSD	.54663	285.60	.45694	.18269	1.1953	11.576	.01771
#1	2.8145	.00590	.13885	-.00206	4.1620	-.00604	10.592
#2	2.8364	-.00199	.13975	-.00205	4.0923	-.00512	10.589
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	.37908	.77160	.01302	.00770	.00336	.13587	.12229
SDev	.00111	.00373	.00678	.00442	.00279	.00203	.00450
%RSD	.29300	.48314	52.097	57.421	83.029	1.4959	3.6767
#1	.37987	.76896	.00822	.01083	.00533	.13731	.11911
#2	.37829	.77424	.01782	.00458	.00139	.13444	.12547
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

its			ppm	ppm	ppm
Avge	-.01311	.01971	.0313	.3544	3.475
SDev	.00668	.00581	.0001	.0013	.035
%RSD	50.936	29.496	.2835	.3603	1.002
#1	-.01783	.01560	.0314	.3535	3.450
#2	-.00839	.02382	.0312	.3553	3.500
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	4739	--	--	--	--	--	--
SDev	13.43503	--	--	--	--	--	--
%RSD	.2834861	--	--	--	--	--	--
#1	4730	--	--	--	--	--	--
#2	4749	--	--	--	--	--	--

Method: QTESTNAK Sample Name: CCVT Operator: KT
Time: 10/21/00 02:22:06
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.47929	.48403	.48900	23.585	.49822	1.9470	2.0452
SDev	.00059	.00449	.00080	.079	.01156	.0062	.0011
%RSD	.12361	.92730	.16317	.33312	2.3200	.31997	.05596
#1	.47971	.48720	.48957	23.640	.50639	1.9514	2.0460
#2	.47887	.48085	.48844	23.529	.49004	1.9426	2.0443
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	.50191	100.01	2.0035	1.9711	1.9147	24.969	99.884
SDev	.00207	.06	.0105	.0107	.0053	.042	.302
%RSD	.41158	.06315	.52404	.54412	.27802	.16918	.30243
#1	.50337	100.06	2.0109	1.9786	1.9184	24.999	100.10
#2	.50045	99.966	1.9960	1.9635	1.9109	24.939	99.670
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	2.0025	1.9501	1.9923	.98245	47.594	.94994	1.9999
SDev	.0074	.0215	.0084	.00231	.148	.00592	.0013
%RSD	.36953	1.1012	.42254	.23518	.31019	.62375	.06361
#1	2.0078	1.9350	1.9982	.98408	47.698	.95413	1.9990
#2	1.9973	1.9653	1.9863	.98082	47.490	.94575	2.0008
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	1.9881	2.0269	1.9476	.48758	.49186	.48062	.47863
SDev	.0007	.0112	.0210	.00054	.00347	.00511	.00166
%RSD	.03362	.55219	1.0762	.10994	.70545	1.0636	.34762
#1	1.9877	2.0348	1.9624	.48720	.49431	.48424	.47745
#2	1.9886	2.0190	1.9327	.48796	.48941	.47701	.47981
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	.48345	.48431	1.946	1.997	1.954
SDev	.01124	.00112	.003	.007	.002
%RSD	2.3252	.23067	.1575	.3734	.1074
#1	.49139	.48510	1.948	2.002	1.955
#2	.47550	.48352	1.944	1.992	1.952
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	4624	--	--	--	--	--	--
SDev	17.08347	--	--	--	--	--	--
%RSD	.3694777	--	--	--	--	--	--
#1	4612	--	--	--	--	--	--
#2	4636	--	--	--	--	--	--

Analysis Report QC Standard 10/21/00 02:36:00 AM page 1

Method: QTESTNAK Sample Name: CCBT. Operator: KT
n Time: 10/21/00 02:30:09
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00023	.00098	.00374	-.05245	.00920	.00023	.00003
SDev	.00125	.00067	.00268	.00074	.01032	.00000	.00000
%RSD	536.45	68.601	71.797	1.4070	112.17	.14165	2.9446
#1	.00065	.00050	.00184	-.05297	Q.01650	.00023	.00003
#2	-.00112	.00145	.00564	-.05193	.00190	.00022	.00003
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	.00024	.00323	.00052	-.00080	.00004	.00668	.00018
SDev	.00020	.00011	.00065	.00000	.00001	.00484	.00004
%RSD	83.955	3.4275	124.97	.33526	26.681	72.386	23.199
#1	.00038	.00331	.00006	-.00080	.00005	.01010	.00015
#2	.00010	.00315	.00097	-.00080	.00003	.00326	.00021
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00025	.00205	.00072	-.00042	.27699	-.00273	.00075
SDev	.00000	.00278	.00103	.00020	.02653	.00171	.00056
%RSD	.00000	135.48	141.42	47.197	9.5762	62.792	74.534
#1	-.00025	.00009	.00145	-.00056	.29575	-.00152	.00114
#2	-.00025	.00401	.00000	-.00028	.25824	-.00394	.00035
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	-.00158	.00415	.00650	-.00180	-.00114	.00022
SDev	.00000	.00000	.00673	.00267	.00271	.00231	.00302
%RSD	719.47	.14888	162.33	41.114	150.49	202.44	1376.6
#1	-.00000	-.00158	-.00061	.00461	-.00371	-.00277	.00236
#2	.00000	-.00158	.00891	.00839	.00012	.00049	-.00192
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

nits			ppm	ppm	ppm
Avge	-.00010	.00152	.0042	.0000	<.0000
SDev	.01209	.00503	.0020	.0000	.0008
%RSD	12446.	331.62	47.20	.0000	13.11
#1	-.00865	.00507	.0057	.0000	<.0000
#2	.00846	-.00204	.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	4771	--	--	--	--	--	--
SDev	3.450944	--	--	--	--	--	--
%RSD	.0723377	--	--	--	--	--	--
#1	4768	--	--	--	--	--	--
#2	4773	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DM9GM Operator: KT
n Time: 10/21/00 02:36:04
mment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05323	.00680	.00209	217.06	.03861	1.8592	.00645
SDev	.00283	.00231	.00254	.21	.00437	.0086	.00006
%RSD	5.3089	33.967	121.52	.09508	11.316	.46488	.88850
#1	.05123	.00517	.00029	217.20	.03552	1.8653	.00649
#2	.05523	.00843	.00389	216.91	.04170	1.8531	.00641
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.00568	73.282	.24095	.10533	.18172	249.43	66.659
SDev	.00014	.007	.00157	.00019	.00083	.02	.218
%RSD	2.4263	.00978	.65101	.17772	.45860	.00818	.32693
#1	L-.00558	73.277	.24206	.10519	.18113	249.44	66.813
#2	L-.00578	73.287	.23984	.10546	.18231	249.42	66.505
rrors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.7377	.00128	.18339	-.00300	7.1529	-.00320	11.584
SDev	.0127	.00014	.00129	.00018	.0597	.00052	.001
%RSD	.26910	10.912	.70434	6.0569	.83420	16.158	.01251
#1	4.7467	.00118	.18431	-.00287	7.1950	-.00357	11.583
#2	4.7287	.00137	.18248	-.00313	7.1107	-.00284	11.585
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	.49308	.50434	.02906	.00112	.00403	.06920	.04526
SDev	.00001	.00264	.00696	.00592	.00423	.00506	.00171
%RSD	.00202	.52372	23.937	527.10	104.87	7.3093	3.7819
#1	.49307	.50621	.03398	-.00306	.00702	.06562	.04405
#2	.49308	.50247	.02414	.00531	.00104	.07277	.04647
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	-.01636	.01836	.0447	.5613	2.548
SDev	.00152	.00422	.0017	.0023	.003
%RSD	9.2809	22.985	3.858	.4021	.1130
#1	-.01529	.01538	.0435	.5629	2.550
#2	-.01744	.02135	.0459	.5597	2.546
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	4674	--	--	--	--	--	--
SDev	32.92293	--	--	--	--	--	--
%RSD	.7043424	--	--	--	--	--	--
#1	4651	--	--	--	--	--	--
#2	4698	--	--	--	--	--	--

Standard Rinse of 30 seconds performed.

Method: QTESTNAK Sample Name: DM9GN Operator: KT
Run Time: 10/21/00 02:42:33
mment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05695	.01024	.00861	219.23	.04240	1.7490	.00616
SDev	.00195	.00021	.00274	.55	.00329	.0013	.00005
%RSD	3.4204	2.0216	31.879	.25259	7.7621	.07358	.76034
#1	.05557	.01039	.01055	219.62	.04473	1.7499	.00619
#2	.05833	.01010	.00667	218.84	.04008	1.7481	.00613
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.00682	69.942	.25447	.11652	.23725	276.97	87.511
SDev	.00096	.050	.00135	.00200	.00106	.50	.008
%RSD	14.063	.07109	.52930	1.7201	.44792	.18207	.00912
#1	L-.00615	69.977	.25542	.11794	.23800	277.32	87.517
#2	L-.00750	69.907	.25352	.11511	.23650	276.61	87.506
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.8496	.00204	.21166	-.00275	7.7092	-.00643	16.409
SDev	.0069	.00276	.00123	.00011	.1134	.00089	.013
%RSD	.14142	135.32	.58319	4.1260	1.4704	13.825	.08019
#1	4.8448	.00399	.21254	-.00283	7.7894	-.00706	16.418
#2	4.8545	.00009	.21079	-.00267	7.6291	-.00580	16.399
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	.52192	.63654	.02679	.00972	.00638	.07250	.04919
SDev	.00118	.00147	.00692	.00029	.00882	.00325	.00130
%RSD	.22604	.23101	25.837	3.0062	138.28	4.4773	2.6427
#1	.52108	.63758	.03168	.00951	.01262	.07020	.04827
#2	.52275	.63550	.02189	.00992	.00014	.07479	.05011
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

nits			ppm	ppm	ppm
Avge	-.01238	.02154	.0390	.7203	3.313
SDev	.00028	.00045	.0023	.0004	.005
%RSD	2.2559	2.0889	5.820	.0596	.1494
#1	-.01258	.02186	.0406	.7200	3.316
#2	-.01219	.02122	.0374	.7206	3.309
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	4670	--	--	--	--	--	--
SDev	27.23777	--	--	--	--	--	--
%RSD	.5831924	--	--	--	--	--	--
#1	4651	--	--	--	--	--	--
#2	4690	--	--	--	--	--	--

Standard Rinse of 30 seconds performed.

Method: QTESTNAK Sample Name: DM9GQ Operator: KT
Run Time: 10/21/00 02:49:02
mment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05581	.00580	.00077	222.92	.03710	1.9567	.00615
SDev	.00172	.00152	.00493	.47	.00223	.0002	.00004
%RSD	3.0900	26.107	642.09	.21077	6.0156	.01182	.66972
#1	.05459	.00473	-.00272	223.26	.03868	1.9566	.00618
#2	.05703	.00688	.00425	222.59	.03552	1.9569	.00612
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.00638	66.251	.25695	.12402	.20857	289.66	92.391
SDev	.00030	.066	.00055	.00028	.00111	.16	.056
%RSD	4.7588	.09906	.21338	.22898	.53365	.05377	.06041
#1	L-.00660	66.205	.25734	.12382	.20935	289.77	92.351
#2	L-.00617	66.298	.25657	.12422	.20778	289.55	92.430
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.5652	.00334	.20420	-.00299	13.030	L-.01532	17.950
SDev	.0082	.00842	.00102	.00031	.016	.00678	.013
%RSD	.17949	251.75	.49989	10.507	.12275	44.244	.07160
#1	4.5594	.00930	.20348	-.00322	13.018	L-.02011	17.959
#2	4.5710	-.00261	.20492	-.00277	13.041	L-.01053	17.941
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	.53188	.69320	.01621	.00100	.00030	.07161	.04792
SDev	.00074	.00341	.00687	.00745	.00013	.00032	.00243
%RSD	.13919	.49132	42.394	742.97	43.483	.44417	5.0638
#1	.53241	.69079	.02106	-.00427	.00039	.07139	.04621
#2	.53136	.69560	.01135	.00628	.00020	.07184	.04964
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
Avge	-.00957	.01348	.0462	.7694	4.494
SDev	.00213	.00121	.0002	.0001	.005
%RSD	22.293	8.9502	.5249	.0166	.1021
#1	-.01108	.01263	.0464	.7693	4.491
#2	-.00806	.01433	.0460	.7694	4.497
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	4672	--	--	--	--	--	--
SDev	24.52259	--	--	--	--	--	--
%RSD	.5249178	--	--	--	--	--	--
#1	4654	--	--	--	--	--	--
#2	4689	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DM9GV Operator: KT
n Time: 10/21/00 02:54:58
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06049	.00935	-.00002	256.62	.04129	1.9102	.00768
SDev	.00204	.00608	.00496	.58	.00226	.0033	.00024
%RSD	3.3797	64.994	20952.	.22492	5.4617	.17287	3.1803
#1	.05905	.00505	-.00353	257.03	.04288	1.9078	.00786
#2	.06194	.01365	.00348	256.21	.03969	1.9125	.00751
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.00627	36.227	.28626	.09854	.16869	268.20	49.088
SDev	.00009	.069	.00012	.00054	.00086	.31	.096
%RSD	1.5124	.19032	.04014	.54837	.51021	.11699	.19574
#1	L-.00633	36.178	.28634	.09816	.16930	268.42	49.020
#2	L-.00620	36.275	.28617	.09892	.16808	267.97	49.156
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.8098	.01120	.19145	-.00217	4.8811	-.00011	10.269
SDev	.0171	.00003	.00010	.00019	.1201	.00806	.008
%RSD	.35648	.24673	.05305	8.9700	2.4595	7518.1	.07904
#1	4.7977	.01118	.19138	-.00203	4.9660	.00559	10.274
#2	4.8219	.01122	.19152	-.00230	4.7962	-.00580	10.263
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5.000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.53617	.53394	.00417	-.00322	.00637	.07752	.05199
SDev	.00055	.00204	.01364	.00861	.00237	.00268	.00173
%RSD	.10209	.38141	327.43	267.81	37.201	3.4560	3.3229
#1	.53655	.53250	.01381	-.00931	.00805	.07562	.05077
#2	.53578	.53538	-.00548	.00287	.00470	.07941	.05321
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	-.00834	.01818	.0490	.4922	3.120
SDev	.00306	.00759	.0002	.0011	.001
%RSD	36.660	41.729	.4930	.2274	.0266
#1	-.01050	.01282	.0492	.4914	3.120
#2	-.00618	.02355	.0489	.4930	3.119
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	4676	--	--	--	--	--	--
SDev	23.05175	--	--	--	--	--	--
%RSD	.4929780	--	--	--	--	--	--
#1	4660	--	--	--	--	--	--
#2	4692	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DM9G0 Operator: KT
ı Time: 10/21/00 03:01:27
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05561	.00364	.00256	255.94	.04174	2.3339	.00689
SDev	.00243	.00008	.00471	.05	.00739	.0028	.00022
%RSD	4.3695	2.1909	183.76	.02086	17.697	.11990	3.2260
#1	.05389	.00369	-.00077	255.97	.04696	2.3359	.00705
#2	.05732	.00358	.00589	255.90	.03652	2.3319	.00674
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.00738	58.687	.28016	.11068	.20484	298.55	86.864
SDev	.00055	.015	.00030	.00047	.00108	.45	.120
%RSD	7.5081	.02572	.10623	.42333	.52751	.15004	.13796
#1	L-.00699	58.698	.27995	.11101	.20560	298.86	86.779
#2	L-.00778	58.677	.28037	.11035	.20407	298.23	86.948
.rrors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.6068	-.00109	.22579	-.00280	10.364	-.00726	16.811
SDev	.0067	.00549	.00024	.00048	.158	.00942	.022
%RSD	.14585	502.60	.10592	17.199	1.5275	129.72	.13064
#1	4.6020	.00279	.22562	-.00246	10.476	-.00060	16.827
#2	4.6115	-.00497	.22595	-.00314	10.252	L-.01392	16.796
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	.55889	.61332	.02043	.00111	.00548	.07033	.04825
SDev	.00198	.00133	.00001	.00845	.00278	.00009	.00360
%RSD	.35470	.21672	.06513	764.47	50.637	.13321	7.4522
#1	.56030	.61238	.02044	-.00487	.00745	.07027	.04571
#2	.55749	.61426	.02042	.00708	.00352	.07040	.05080
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

nits			ppm	ppm	ppm
Avge	-.00587	.00838	.0436	.7131	3.785
SDev	.00632	.00304	.0018	.0005	.019
%RSD	107.72	36.224	4.216	.0716	.5153
#1	-.00140	.00623	.0423	.7134	3.771
#2	-.01034	.01053	.0449	.7127	3.799
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	4792	--	--	--	--	--	--
SDev	16.57454	--	--	--	--	--	--
%RSD	.3459083	--	--	--	--	--	--
#1	4780	--	--	--	--	--	--
#2	4803	--	--	--	--	--	--

Standard Rinse of 30 seconds performed.

Method: QTESTNAK Sample Name: DM9G2 Operator: KT
n Time: 10/21/00 03:07:56
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.09159	.00740	.00370	200.88	.03776	1.5093	.00599
SDev	.00058	.00276	.00113	.74	.01628	.0018	.00023
%RSD	.62898	37.328	30.627	.36613	43.113	.12023	3.9192
#1	.09200	.00544	.00290	201.40	.04927	1.5080	.00616
#2	.09118	.00935	.00450	200.36	.02625	1.5106	.00583
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.00574	48.217	.24057	.10529	.21596	237.24	59.504
SDev	.00036	.066	.00020	.00063	.00073	.18	.099
%RSD	6.2993	.13703	.08495	.60249	.33622	.07685	.16599
#1	L-.00600	48.171	.24071	.10574	.21648	237.37	59.434
#2	L-.00549	48.264	.24042	.10484	.21545	237.11	59.573
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.8859	.00018	.19100	-.00201	11.418	-.00224	11.614
SDev	.0128	.00008	.00115	.00021	.065	.01138	.006
%RSD	.26103	44.560	.60094	10.245	.57262	507.59	.04998
#1	4.8768	.00012	.19019	-.00215	11.464	L-.01029	11.618
#2	4.8949	.00023	.19181	-.00186	11.371	.00580	11.610
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	.47844	.53683	.01987	.00252	.00606	.10840	.08319
SDev	.00046	.00082	.00682	.00030	.00401	.00282	.00054
%RSD	.09669	.15196	34.305	12.088	66.176	2.6012	.65397
#1	.47811	.53625	.02469	.00273	.00323	.11040	.08281
#2	.47877	.53741	.01505	.00230	.00890	.10641	.08358
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	-.01634	.01925	.0387	.4802	3.298
SDev	.00778	.00026	.0022	.0007	.002
%RSD	47.585	1.3403	5.724	.1513	.0694
#1	-.02184	.01907	.0403	.4796	3.296
#2	-.01084	.01943	.0371	.4807	3.300
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	4705	--	--	--	--	--	--
SDev	22.91019	--	--	--	--	--	--
%RSD	.4869287	--	--	--	--	--	--
#1	4689	--	--	--	--	--	--
#2	4721	--	--	--	--	--	--

Standard Rinse of 30 seconds performed.

Method: QTESTNAK Sample Name: DM9G4 Operator: KT
Time: 10/21/00 03:14:25
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05459	.00409	.00571	246.20	.04038	2.6833	.00762
SDev	.00063	.00486	.00143	.20	.00747	.0064	.00026
%RSD	1.1616	118.89	25.035	.08169	18.513	.23697	3.4241
#1	.05415	.00065	.00672	246.35	.03509	2.6878	.00780
#2	.05504	.00752	.00470	246.06	.04566	2.6788	.00743
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.00584	43.830	.27341	.10735	.17851	268.53	60.966
SDev	.00051	.000	.00104	.00024	.00055	.33	.000
%RSD	8.6489	.00098	.38078	.22366	.30668	.12432	.00073
#1	L-.00620	43.830	.27268	.10718	.17890	268.77	60.965
#2	L-.00549	43.830	.27415	.10752	.17812	268.30	60.966
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.5346	.00137	.20622	-.00247	10.430	-.00563	10.875
SDev	.0079	.00270	.00170	.00011	.079	.00807	.014
%RSD	.17392	196.41	.82585	4.5582	.75570	143.29	.13192
#1	4.5290	.00328	.20502	-.00255	10.486	.00007	10.886
#2	4.5402	-.00053	.20743	-.00239	10.375	L-.01133	10.865
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	.53373	.49494	.01857	.00502	.00708	.06801	.04790
SDev	.00017	.00005	.00679	.00071	.00288	.00263	.00226
%RSD	.03208	.00979	36.558	14.049	40.654	3.8627	4.7230
#1	.53385	.49497	.01377	.00552	.00911	.06986	.04630
#2	.53361	.49490	.02337	.00452	.00504	.06615	.04950
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
Avge	-.00948	.01086	.0587	.5809	2.989
SDev	.01066	.00196	.0016	.0011	.004
%RSD	112.46	18.070	2.766	.1834	.1178
#1	-.01702	.00947	.0576	.5816	2.992
#2	-.00194	.01225	.0599	.5801	2.987
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	4710	--	--	--	--	--	--
SDev	32.21583	--	--	--	--	--	--
%RSD	.6840314	--	--	--	--	--	--
#1	4687	--	--	--	--	--	--
#2	4732	--	--	--	--	--	--

Standard Rinse of 30 seconds performed.

Method: QTESTNAK Sample Name: DM9G5 Operator: KT
Run Time: 10/21/00 03:20:54
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05606	.00912	-.00056	235.03	.06141	1.5258	.00657
SDev	.00088	.00077	.00576	.56	.00160	.0019	.00013
%RSD	1.5694	8.4413	1021.2	.24030	2.5985	.12161	2.0302
#1	.05543	.00967	-.00463	235.43	.06254	1.5245	.00648
#2	.05668	.00858	.00351	234.63	.06028	1.5271	.00667
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.00749	54.991	.30009	.10746	.28238	298.15	78.084
SDev	.00021	.113	.00012	.00005	.00120	.07	.087
%RSD	2.8068	.20635	.03971	.05013	.42447	.02200	.11141
#1	L-.00734	54.911	.30017	.10750	.28323	298.10	78.022
#2	L-.00764	55.071	.30000	.10742	.28154	298.20	78.145
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.5563	.00410	.21268	-.00302	12.243	-.00978	16.402
SDev	.0173	.00838	.00040	.00008	.053	.00401	.005
%RSD	.38012	204.34	.18815	2.6914	.43612	41.012	.03197
#1	4.5441	.01002	.21240	-.00296	12.281	L-.01261	16.398
#2	4.5686	-.00182	.21296	-.00308	12.206	-.00694	16.406
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	.59204	.63526	.01627	-.00411	.00655	.07444	.04688
SDev	.00131	.00059	.00686	.00576	.00575	.00503	.00119
%RSD	.22067	.09352	42.162	139.91	87.887	6.7604	2.5462
#1	.59297	.63484	.01142	-.00818	.00248	.07089	.04772
#2	.59112	.63568	.02113	-.00004	.01062	.07800	.04603
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
Avge	-.00691	.01713	.0479	.6432	2.955
SDev	.00034	.00133	.0024	.0012	.002
%RSD	4.9805	7.7443	5.085	.1878	.0709
#1	-.00715	.01807	.0496	.6424	2.953
#2	-.00667	.01619	.0462	.6441	2.956
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	4648	--	--	--	--	--	--
SDev	37.22220	--	--	--	--	--	--
%RSD	.8008218	--	--	--	--	--	--
#1	4622	--	--	--	--	--	--
#2	4674	--	--	--	--	--	--

Analysis Report 10/21/00 03:33:15 AM page 1

Method: QTESTNAK Sample Name: CCVT Operator: KT
Time: 10/21/00 03:27:23
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.47858	.48426	.49305	23.589	.50297	1.9354	2.0456
SDev	.00084	.00264	.00573	.053	.00732	.0045	.0004
%RSD	.17542	.54482	1.1620	.22355	1.4552	.23362	.01840
#1	.47798	.48613	.48900	23.627	.49779	1.9322	2.0453
#2	.47917	.48240	.49710	23.552	.50814	1.9386	2.0458
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	.50058	99.823	1.9907	1.9611	1.9137	24.924	99.818
SDev	.00089	.067	.0061	.0025	.0031	.007	.224
%RSD	.17718	.06743	.30723	.12563	.15937	.02665	.22483
#1	.49996	99.775	1.9864	1.9594	1.9158	24.919	99.659
#2	.50121	99.870	1.9951	1.9628	1.9115	24.929	99.976
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	110.00	2.2000	2.2000	2.2000	27.500	110.00
Low	.45000	90.000	1.8000	1.8000	1.8000	22.500	90.000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.9917	1.9515	1.9899	.98140	47.539	.94826	1.9919
SDev	.0066	.0358	.0077	.00005	.082	.01784	.0002
%RSD	.33157	1.8327	.38633	.00532	.17295	1.8808	.00925
#1	1.9870	1.9262	1.9844	.98143	47.597	.93565	1.9918
#2	1.9963	1.9768	1.9953	.98136	47.480	.96088	1.9920
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	1.9833	2.0257	1.9292	.49328	.49258	.47238	.48167
SDev	.0006	.0038	.0013	.00854	.00010	.00382	.00065
%RSD	.03159	.18726	.06645	1.7310	.02068	.80778	.13419
#1	1.9829	2.0230	1.9283	.48724	.49251	.46968	.48213
#2	1.9838	2.0284	1.9301	.49932	.49265	.47508	.48121
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	2.2000	2.2000	2.2000				
Low	1.8000	1.8000	1.8000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

its			ppm	ppm	ppm
Avge	.47832	.48724	1.940	1.986	1.946
SDev	.00029	.00410	.012	.005	.004
%RSD	.06098	.84174	.5994	.2284	.2272
#1	.47811	.49014	1.932	1.983	1.943
#2	.47852	.48434	1.948	1.989	1.949
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	4621	--	--	--	--	--	--
SDev	3.111201	--	--	--	--	--	--
%RSD	.0673344	--	--	--	--	--	--
#1	4623	--	--	--	--	--	--
#2	4618	--	--	--	--	--	--

Analysis Report QC Standard 10/21/00 03:41:18 AM page 1

Method: QTESTNAK Sample Name: CCBT, Operator: KT
ı Time: 10/21/00 03:35:26
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00144	.00005	.00576	-.05203	.00974	.00023	-.00024
SDev	.00273	.00203	.00158	.00051	.00354	.00000	.00000
%RSD	188.98	3832.8	27.335	.98106	36.410	.34260	.87847
#1	-.00049	-.00138	.00688	-.05239	Q.01224	.00023	-.00024
#2	.00337	.00149	.00465	-.05167	.00723	.00023	-.00024
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	-.00002	.00432	-.00027	.00076	-.00011	-.00035	.00384
SDev	.00006	.00027	.00048	.00000	.00038	.00485	.00006
%RSD	293.75	6.2878	180.94	.00525	326.65	1369.5	1.6398
#1	-.00006	.00451	-.00061	.00076	.00015	.00307	.00389
#2	.00002	.00412	.00007	.00076	-.00038	-.00378	.00380
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	.00209	-.00146	-.00007	.24708	-.00119	.00114
SDev	.00037	.00281	.00000	.00010	.01395	.00180	.00000
%RSD	5225.9	134.29	.17615	141.11	5.6465	150.70	.11386
#1	-.00025	.00408	-.00146	-.00000	.23722	-.00247	.00114
#2	.00027	.00011	-.00146	-.00014	.25695	.00008	.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	.00000	-.00154	.00876	.00777	.00174	.00388	.00023
SDev	.00000	.00000	.01357	.00257	.00042	.00265	.00276
%RSD	676.75	.31136	154.94	33.065	24.048	68.462	1212.8
#1	.00000	-.00154	-.00084	.00959	.00144	.00200	-.00173
#2	-.00000	-.00155	.01835	.00595	.00203	.00575	.00218
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.00000	.00000	.00000				
Range	.05000	.02000	.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

its			ppm	ppm	ppm
Avge	.00494	-.00239	.0043	.0000	<.0000
SDev	.00473	.00068	.0020	.0000	.0033
%RSD	95.617	28.535	47.30	.0000	32.34
#1	.00160	-.00287	.0057	.0000	<.0000
#2	.00829	-.00191	.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	4737	--	--	--	--	--	--
SDev	8.343722	--	--	--	--	--	--
%RSD	.1761416	--	--	--	--	--	--
#1	4731	--	--	--	--	--	--
#2	4743	--	--	--	--	--	--

RQC057

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

Run Date: 10/18/00
Time: 12:23:59

BATCH NUMBER: **0292310**

PREP DATE: 10/18/00
DUE DATE 10/23/00

INITIALS: 169

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0J170121 SOLID	DM9EJ TO DUE DATE: 10/23/00	01	X 1.01 g	g	g	g
	DM9EJS		1.01 g	g	g	g
	DM9EJD		1.01 g	g	g	g
E0J170121 SOLID	DM9FE TO DUE DATE: 10/23/00	01	X 1.00 g	g	g	g
E0J170121 SOLID	DM9FJ TO DUE DATE: 10/23/00	01	X 1.00 g	g	g	g
E0J170121 SOLID	DM9FM TO DUE DATE: 10/23/00	01	X .98 g	g	g	g
E0J170121 SOLID	DM9FV TO DUE DATE: 10/23/00	01	X .98 g	g	g	g
E0J170121 SOLID	DM9F1 TO DUE DATE: 10/23/00	01	X .99 g	g	g	g
E0J170121 SOLID	DM9F2 TO DUE DATE: 10/23/00	01	X .99 g	g	g	g
E0J170121 SOLID	DM9F4 TO DUE DATE: 10/23/00	01	X .98 g	g	g	g
E0J170121 SOLID	DM9F8 TO DUE DATE: 10/23/00	01	X 1.00 g	g	g	g
E0J170121 SOLID	DM9GF TO DUE DATE: 10/23/00	01	X 1.01 g	g	g	g
E0J170121 SOLID	DM9GH TO DUE DATE: 10/23/00	01	X .98 g	g	g	g
E0J170121 SOLID	DM9GK TO DUE DATE: 10/23/00	01	X .99 g	g	g	g
E0J170121 SOLID	DM9GM TO DUE DATE: 10/23/00	01	X .99 g	g	g	g
E0J170121 SOLID	DM9GN TO DUE DATE: 10/23/00	01	X 1.00 g	g	g	g

RQC057

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

Run Date: 10/18/00
Time: 12:23:59

BATCH NUMBER: **0292310**

PREP DATE: 10/18/00
DUE DATE 10/23/00

INITIALS: CG

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0J170121	DM9GQ	01	X 1.01 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			
E0J170121	DM9GV	01	X .99 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			
E0J170121	DM9G0	01	X .98 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			
E0J170121	DM9G2	01	X .98 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			
E0J170121	DM9G4	01	X .99 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			
E0J170121	DM9G5	01	X 1.00 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			
E0J180000	DNCMGB	01	X 1.00 g	_____g	_____g	_____g
SOLID	DUE DATE:		0/00/00			
	DNCMGC		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 _____

001000

RQC057

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

Run Date: 10/18/00
Time: 12:23:59

BATCH NUMBER: **0292310**

PREP DATE: 10/18/00
DUE DATE 10/23/00

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: 029 2310
The following information applies to all samples associated with the above batch number.

Prepared By: JV
Reviewed By: JV

Date/Time Initiated: 10/19/00 / 1115
Date/Time Completed: V / 18:00

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

Spike Standards for LCS and MS/MSD samples.

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

Reagents	Volume	Lot #
HNO_3	60.0 mL	6623 T09A058
H_2O_2	40 mL	5240T15A01
HCl	10.0 mL	5587 N41A07

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

Method 3050B

Step 1. Thoroughly mix and weigh 1.0g (±0.01g) sample.
Step 2. Add 10 mL of 1:1 HNO_3 .
Step 3. Cover and heat at 95°C for 10 min.
Step 4. Cool and add 5 mL conc. HNO_3, cover and heat at 95 °C for 30 min.
Step 5. If brown fumes observed, repeat last step until no fumes are evolved.
Step 6. Reduce volume to approx. 5 mL or heat for 2 hours.
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. 5:30
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: JV Date: 10/19/00 Received By: JV Date: 10/19/00

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

BOE-C6-0174540

STL Los Angeles
Précis
CVAA Data Summary Cover Sheet

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

Analyst: JGA
Analytical Date: 10/19/00
Data File: H601019B
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.
0292254	EOJ180158	10/20/00		L3
	EOJ170121			L3
	EOJ170247			L3
0292238	LOI190204			L3
	EOJ160201			L3
0290497	EOJ130341			L3
0290494	EOJ130321			L3
0292249	EOJ170121			

Calibration Stds:
Preparation: Date 10/18/00 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: HG01019B Element: HG__ Instrument: LEEMAN_____

1 of 4

.rt Run Date: 10/19/00 End Run Date: 10/19/00

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

0.9999 10/20/00 JV

Concentration Units: Ug/L

#	SAMPLE ID	Time	Dil Factor	Sample (Absorb)	Sample (Conc)	%R/R	Flag		
1		17:24	1.00		0.0000				
2	S0	17:26	1.00		0.0000				
3	S0.2	17:28	1.00		0.2000				
4	S0.5	17:30	1.00		0.5000				
5	S1	17:32	1.00		1.0000				
6	S5	17:34	1.00		5.0000				
7	S10	17:36	1.00		10.0000				
8	ICV	17:42	1.00		2.5700	103			
9	ICB	17:44	1.00		-0.0370			ND	
10	DNCCLB	17:46	1.00		-0.1190			ND	
11	DNCCLC	17:47	1.00		4.9900	100		0.832	
12	DNCD6	17:49	1.00		0.3980			0.066	
13	DNCEC	17:51	1.00		0.2320			0.039	
14	DM9GX	17:53	1.00		0.2420			0.040	
15	DNAMX	17:54	1.00		0.1910			0.032	
16	DNAMXS	17:56	1.00		1.1200	101		0.200	
7	DNAMXD	17:59	1.00		1.2900	110		0.215	
3	DNAM3	18:00	1.00		0.2180			0.036	
19	CCV1	18:02	1.00		5.0100	100			
20	CCB1	18:04	1.00		-0.0350			ND	
21	DNAM6	18:06	1.00		0.1030			0.017	
22	DNAM9	18:07	1.00		0.2580			0.043	
23	DNANA	18:10	1.00		0.0950			ND	
24	DNAND	18:12	1.00		0.1330			0.022	
25	DNANF	18:13	1.00		0.1190			0.020	
26	DNANJ	18:15	1.00		0.1230			0.020	
27	DNANT	18:17	1.00		0.2060			0.034	
28	DNAN0	18:19	1.00		0.6870			0.114	
29	DNAN2	18:21	1.00		0.2010			0.034	
30	CCV2	18:22	1.00		5.0400	101			
31	CCB2	18:24	1.00		-0.0560			ND	
32	DNAN4	18:26	1.00		0.1860			0.031	
33	DNAN6	18:28	1.00		0.1840			0.031	
34	DNAN8	18:30	1.00		0.4820			0.080	
35	DM8DA	18:31	1.00		0.6620			0.110	
36	CCV 3	18:47	1.00		4.8600	97			
37	CCB 3	18:48	1.00		-0.0550			ND	
38	DNA9MB	19:02	1.00		0.0820			ND	
39	DNA9MC	19:04	1.00		5.1500	103		0.858	
40	DKLJ8	19:06	1.00		-0.1160			ND	

Analyst: JGA_____ QC Reviewer: _____

FURNACE DATA SHEET

File: HG01019B Element: HG__ Instrument: LEEMAN_____

2 of 4

Start Run Date: 10/19/00 End Run Date: 10/19/00

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

0.9999 10/20/00 JGA

Concentration Units: Ug/L

#	SAMPLE ID	Time	Dil Factor	Sample (Absorb)	Sample (Conc)	%R/R	Flag		
_41	DM8RR	19:07	1.00		0.2900			0.048	
_42	DM8RRS	19:09	1.00		1.3700	108		0.228	
_43	DM8RRD	19:12	1.00		1.3600	107		0.227	
_44	DM8R0	19:13	1.00		0.0770			ND	
_45	DM8R7	19:15	1.00		0.2080			0.035	
_46	DM8TL	19:17	1.00		0.3230			0.054	
_47	CCV1 4	19:19	1.00		4.8800	98			
_48	CCB1 4	19:20	1.00		-0.0480			ND	
_49	DM8TQ	19:22	1.00		0.1030			0.017	
_50	DM8TT	19:24	1.00		0.2420			0.040	
_51	DM8C8B	19:26	1.00		-0.0370			ND	
_52	DM8C8C	19:27	1.00		4.5700	91		0.762	
_53	DM6DE	19:29	1.00		0.0050			ND	
_54	DM6DES	19:31	1.00		1.0800	108		0.180	
_55	DM6DED	19:33	1.00		1.1500	115		0.192	
_56	DM6DN	19:35	1.00		0.1340			0.022	
7	DM6D5	19:37	1.00		0.1050			0.018	
_ 8	CCV2 5	19:38	1.00		4.8600	97			
_59	CCB2 5	19:40	1.00		-0.0490			ND	
_60	DM6EA	19:42	1.00		0.0800			ND	
_61	DM6EE	19:44	1.00		0.2460			0.041	
_62	DM6EH	19:46	1.00		0.0990			ND	
_63	DM6ET	19:48	1.00		0.0670			ND	
_64	DM6EX	19:49	1.00		0.4760			0.079	
_65	DM6E4	19:51	1.00		0.6890			0.115	
_66	DM8C4B	19:53	1.00		-0.1290			ND	
_67	DM8C4C'	19:55	1.00		4.9000	98		0.817	
_68	DM54C	19:56	1.00		0.0930			ND	
_69	DM54CS	19:58	1.00		1.1200	112		0.187	
_70	CCV3 6	20:00	1.00		4.9500	99			
_71	CCB3 6	20:02	1.00		-0.1930			ND	
_72	DM54CD	20:04	1.00		1.0300	103		0.172	
_73	DM542	20:06	1.00		0.0520			ND	
_74	DM545	20:08	1.00		0.1320			0.022	
_75	DM547	20:10	1.00		0.1870			0.031	
_76	DM55G	20:11	1.00		0.1950			0.032	
_77	DM55K	20:13	1.00		0.0860			ND	
_78	DM55R	20:15	1.00		0.1700			0.028	
_79	DM55X	20:17	1.00		0.2180			0.036	
_80	DM551	20:19	1.00		0.1350			0.022	

10/20/00 JGA

Analyst: JGA_____ QC Reviewer: _____

FURNACE DATA SHEET

File: HG01019B Element: HG__ Instrument: LEEMAN_____

Start Run Date: 10/19/00 End Run Date: 10/19/00

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

0.9999 10/20/00 JGA

Concentration Units: Ug/L

#	SAMPLE ID	Time	Dil Factor	Sample (Absorb)	Sample (Conc)	%R/R	Flag		
81	CCV4 7	20:20	1.00		4.9400	99			
82	CCB4 7	20:23	1.00		-0.0120			ND	
83	DM554	20:25	1.00		0.3240			0.054	
84	DM557	20:27	1.00		0.2280			0.038	
85	DM56D	20:28	1.00		0.1700			0.028	
86	DM56H	20:30	1.00		0.6390			0.106	
87	DM56L	20:32	1.00		0.2160			0.036	
88	DM56P	20:34	1.00		0.1880			0.031	
89	DM56R	20:36	1.00		0.1980			0.033	
90	DM563	20:38	1.00		0.4510			0.075	
91	DM57N	20:40	1.00		0.2680			0.045	
92	DNCAXB	20:42	1.00		-0.0330			ND	
93	CCV5 8	20:44	1.00		4.8700	97			
94	CCB5 8	20:46	1.00		-0.1240			ND	
95	DNCAXC	20:47	1.00		4.7600	95		0.793	
96	DM9EJ	20:49	1.00		0.0650			ND	
7	DM9FE	20:51	1.00		0.0170			ND	
8	DM9FJ	20:53	1.00		0.3080			0.051	
99	DM9FM	20:55	1.00		0.5320			0.089	
100	DM9FV	20:57	1.00		0.2210			0.037	
	DM9F1	20:59	1.00		0.0310			ND	
	DM9F2	21:01	1.00		0.0510			ND	
	DM9F4	21:03	1.00		0.0460			ND	
	CCV6 9	21:05	1.00		4.7300	95			
	CCB6 9	21:07	1.00		-0.0390			ND	
	DM9F8	21:08	1.00		0.0550			ND	
	DM9GF	21:10	1.00		0.2200			0.037	
	DM9GH	21:12	1.00		0.4140			0.069	
	DM9GK	21:14	1.00		0.1350			0.022	
	DM9GM	21:16	1.00		0.1810			0.030	
	DM9GN	21:18	1.00		0.0760			ND	
	DM9GQ	21:20	1.00		0.1430			0.024	
	DM9GV	21:22	1.00		0.1560			0.026	
	DM9G0	21:23	1.00		0.0080			ND	
	CCV7 10	21:25	1.00		4.8500	97			
	CCB7 10	21:27	1.00		-0.0390			ND	
	DM9G2	21:29	1.00		0.1090			0.018	
	DM9G2S	21:32	1.00		1.1400	114		0.190	
	DM9G2D	21:33	1.00		1.0300	103		0.172	
	DM9G4	21:36	1.00		0.2900			0.048	

10/20/00 JGA

Analyst: JGA_____ QC Reviewer: _____

FURNACE DATA SHEET

File: HG01019B Element: HG__ Instrument: LEEMAN_____

Start Run Date: 10/19/00 End Run Date: 10/19/00

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

0-9999 10/20/00 JGA

Concentration Units: Ug/L

#	SAMPLE ID	Time	Dil Factor	Sample (Absorb)	Sample (Conc)	%R/R	Flag		
	DM9G5	21:38	1.00		0.2250			0.038	
	CCV~~8~~ 11	21:39	1.00		4.7100	94			
	CCB~~8~~ 11	21:41	1.00		-0.0550			ND	
	10/20/00 JGA								

Analyst: JGA_____ QC Reviewer: _____

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Standard: 1 Rep: 1				Seq: 0	17:24:28 19 Oct 2000 HG			
Hg	.000	ppb	-5597					
*** Standard: 1 Rep: 1				Seq: 1	17:26:28 19 Oct 2000 HG			
Hg	.000	ppb	1119					
*** Standard: 2 Rep: 1				Seq: 2	17:28:32 19 Oct 2000 HG			
Hg	.200	ppb	15794					
*** Standard: 3 Rep: 1				Seq: 3	17:30:25 19 Oct 2000 HG			
Hg	.500	ppb	32804					
*** Standard: 4 Rep: 1				Seq: 4	17:32:23 19 Oct 2000 HG			
Hg	1.00	ppb	65784					
*** Standard: 5 Rep: 1				Seq: 5	17:34:13 19 Oct 2000 HG			
Hg	5.00	ppb	317699					
*** Standard: 6 Rep: 1				Seq: 6	17:36:04 19 Oct 2000 HG			
Hg	10.0	ppb	622360					

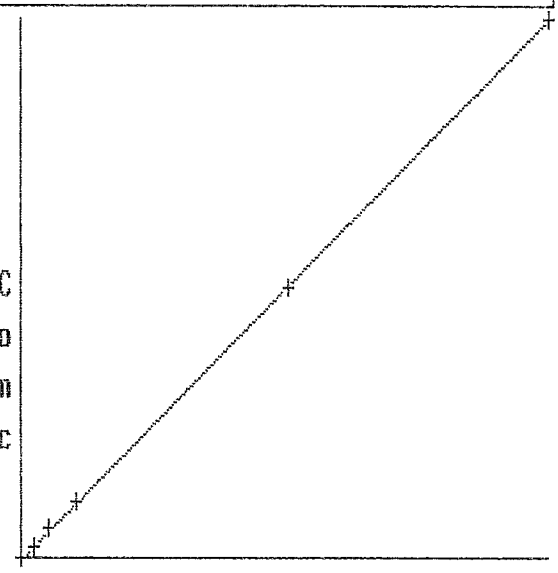
```
RunProt: HG-A        Err: hardware inoperable                Mode:    Analyze
RunFold: HG01019B Seq: 7    Batch:                           RunPrep: prp7470
                  Prnt: R/T On                     Pump: On
                  Rev: 4.2    17:40:13 19 Oct 2000 Xmit: Off Gas:     0.70 LPM
  Idle None                                        User: JGA        A/S: On
```

CALIBRATION: Line proto: HG-A

	Hg Conc.	Calc.	Dev.	Accepted ->linear	
S1	.000	-.029	-.029	Quadratic	
S2	.200	.207	.007	Wtdlinear	
S3	.500	.480	-.020		C
S4	1.00	1.01	.011	Accept	o
S5	5.00	5.06	.065		n
S6	10.0	9.97	-.033		c

A .0000000 r .999958

B 1.60908e-5 C -4.74637e-2



Relative Absorbance

	Mean			
S1	1119	0	SD	1119
S2	15794	0	%RSD	15794
S3	32804	0	%RSD	32804
S4	65784	0	%RSD	65784
S5	317699	0	%RSD	317699
S6	622360	0	%RSD	622360

New cal coefficients stored

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: ICV					Seq: 7	17:42:34 19 Oct 2000 HG		
Hg	2.57	ppb	.000	2.57				
*** Sample ID: ICB					Seq: 8	17:44:19 19 Oct 2000 HG		
Hg	-.037	ppb	.000	-.037				
*** Sample ID: DNCCLB					Seq: 9	17:46:04 19 Oct 2000 HG		
Hg	-.119	ppb	.000	-.119				
*** Sample ID: DNCCLC					Seq: 10	17:47:48 19 Oct 2000 HG		
Hg	4.99	ppb	.000	4.99				
*** Sample ID: DNCD6					Seq: 11	17:49:34 19 Oct 2000 HG		
Hg	.398	ppb	.000	.398				
*** Sample ID: DNCEC					Seq: 12	17:51:19 19 Oct 2000 HG		
Hg	.232	ppb	.000	.232				
*** Sample ID: DM9GX					Seq: 13	17:53:04 19 Oct 2000 HG		
Hg	.242	ppb	.000	.242				
*** Sample ID: DNAMX					Seq: 14	17:54:59 19 Oct 2000 HG		
Hg	.191	ppb	.000	.191				
*** Sample ID: DNAMX5					Seq: 15	17:56:44 19 Oct 2000 HG		
Hg	1.12	ppb	.000	1.12				
*** Sample ID: DNAMXD					Seq: 16	17:59:03 19 Oct 2000 HG		
Hg	1.29	ppb	.000	1.29				
*** Sample ID: DNAM3					Seq: 17	18:00:49 19 Oct 2000 HG		
Hg	.218	ppb	.000	.218				
*** Sample ID: CCV1					Seq: 18	18:02:45 19 Oct 2000 HG		
Hg	5.01	ppb	.000	5.01				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: CCB1				Seq:	19	18:04:32 19 Oct 2000 HG		
Hg	-.035	ppb	.000	-.035				
*** Sample ID: DNAM6				Seq:	20	18:06:14 19 Oct 2000 HG		
Hg	.103	ppb	.000	.103				
*** Sample ID: DNAM9				Seq:	21	18:07:57 19 Oct 2000 HG		
Hg	.258	ppb	.000	.258				
*** Sample ID: DNANA				Seq:	22	18:10:10 19 Oct 2000 HG		
Hg	.095	ppb	.000	.095				
*** Sample ID: DNAND				Seq:	23	18:12:04 19 Oct 2000 HG		
Hg	.133	ppb	.000	.133				
*** Sample ID: DNANF				Seq:	24	18:13:52 19 Oct 2000 HG		
Hg	.119	ppb	.000	.119				
*** Sample ID: DNANJ				Seq:	25	18:15:41 19 Oct 2000 HG		
Hg	.123	ppb	.000	.123				
*** Sample ID: DNANT				Seq:	26	18:17:26 19 Oct 2000 HG		
Hg	.206	ppb	.000	.206				
*** Sample ID: DNANO				Seq:	27	18:19:20 19 Oct 2000 HG		
Hg	.687	ppb	.000	.687				
*** Sample ID: DNAN2				Seq:	28	18:21:06 19 Oct 2000 HG		
Hg	.201	ppb	.000	.201				
*** Sample ID: CCV2				Seq:	29	18:22:52 19 Oct 2000 HG		
Hg	5.04	ppb	.000	5.04				
*** Sample ID: CCB2				Seq:	30	18:24:46 19 Oct 2000 HG		
Hg	-.056	ppb	.000	-.056				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: DNAN~~P~~ 4					Seq: 31	18:26:40 19 Oct 2000 HG		
Hg	.186	ppb	.000	.186				
*** Sample ID: DNAN~~4~~ 6					Seq: 32	18:28:24 19 Oct 2000 HG		
Hg	.184	ppb	.000	.184				
*** Sample ID: DNAN~~6~~ 8					Seq: 33	18:30:13 19 Oct 2000 HG		
Hg	.482	ppb	.000	.482				
*** Sample ID: ~~DNAN8~~ DM8DA					Seq: 34	18:31:57 19 Oct 2000 HG		
Hg	.662	ppb	.000	.662				
*** Sample ID: CCV					Seq: 35	18:47:03 19 Oct 2000 HG		
Hg	4.86	ppb	.000	4.86				
*** Sample ID: CCB					Seq: 36	18:48:48 19 Oct 2000 HG		
Hg	-.055	ppb	.000	-.055				

10/11/00

Full column mode Ins to switch

Folder: HG01019B Page 37

19:02:43 19 Oct 2000 Protocol: HG-A

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: DNA9MB					Seq: 37	19:02:43 19 Oct 2000 HG		
Hg	.082	ppb	.000	.082				
*** Sample ID: DNA9MC					Seq: 38	19:04:26 19 Oct 2000 HG		
Hg	5.15	ppb	.000	5.15				
*** Sample ID: DKLJ8					Seq: 39	19:06:09 19 Oct 2000 HG		
Hg	-.116	ppb	.000	-.116				
*** Sample ID: DM8RR					Seq: 40	19:07:53 19 Oct 2000 HG		
Hg	.290	ppb	.000	.290				
*** Sample ID: DM8RRS					Seq: 41	19:09:58 19 Oct 2000 HG		
Hg	1.37	ppb	.000	1.37				

Hg 1.36 ppb .000 1.36

*** Sample ID: DM8RO Seq: 43 19:13:46 19 Oct 2000 HG

Hg .077 ppb .000 .077

*** Sample ID: DM8R7 Seq: 44 19:15:31 19 Oct 2000 HG

Hg .208 ppb .000 .208

*** Sample ID: DM8TL Seq: 45 19:17:17 19 Oct 2000 HG

Hg .323 ppb .000 .323

*** Sample ID: CCV1 Seq: 46 19:19:12 19 Oct 2000 HG

Hg 4.88 ppb .000 4.88

*** Sample ID: CCB1 Seq: 47 19:20:56 19 Oct 2000 HG

Hg -.048 ppb .000 -.048

*** Sample ID: DM8TQ Seq: 48 19:22:44 19 Oct 2000 HG

Hg .103 ppb .000 .103

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: DM8TT Seq: 49 19:24:26 19 Oct 2000 HG

Hg .242 ppb .000 .242

*** Sample ID: DM8C8B Seq: 50 19:26:09 19 Oct 2000 HG

Hg -.037 ppb .000 -.037

*** Sample ID: DM8C8C Seq: 51 19:27:51 19 Oct 2000 HG

Hg 4.57 ppb .000 4.57

*** Sample ID: DM6DE Seq: 52 19:29:50 19 Oct 2000 HG

Hg .005 ppb .000 .005

*** Sample ID: DM6DES Seq: 53 19:31:34 19 Oct 2000 HG

Hg 1.08 ppb .000 1.08

*** Sample ID: [illegible] Seq: [illegible]

Hg 1.15 ppb .000 1.15

*** Sample ID: DM6DN Seq: 55 19:35:04 19 Oct 2000 HG

Hg .134 ppb .000 .134

*** Sample ID: DM6D5 Seq: 56 19:37:08 19 Oct 2000 HG

Hg .105 ppb .000 .105

*** Sample ID: CCV2 Seq: 57 19:38:57 19 Oct 2000 HG

Hg 4.86 ppb .000 4.86

*** Sample ID: CCB2 Seq: 58 19:40:47 19 Oct 2000 HG

Hg -.049 ppb .000 -.049

*** Sample ID: DM6EA Seq: 59 19:42:34 19 Oct 2000 HG

Hg .080 ppb .000 .080

*** Sample ID: DM6EE Seq: 60 19:44:31 19 Oct 2000 HG

Hg .246 ppb .000 .246

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: DM6EH Seq: 61 19:46:15 19 Oct 2000 HG

Hg .099 ppb .000 .099

*** Sample ID: DM6ET Seq: 62 19:48:00 19 Oct 2000 HG

Hg .067 ppb .000 .067

*** Sample ID: DM6EX Seq: 63 19:49:54 19 Oct 2000 HG

Hg .476 ppb .000 .476

*** Sample ID: DM6E4 Seq: 64 19:51:39 19 Oct 2000 HG

Hg .689 ppb .000 .689

*** Sample ID: DM8C4B Seq: 65 19:53:26 19 Oct 2000 HG

Hg -.129 ppb .000 -.129

Hg 4.90 ppb .000 4.90

*** Sample ID: DM54C Seq: 67 19:56:57 19 Oct 2000 HG

Hg .093 ppb .000 .093

*** Sample ID: DM54CS Seq: 68 19:58:44 19 Oct 2000 HG

Hg 1.12 ppb .000 1.12

*** Sample ID: CCV3 Seq: 69 20:00:31 19 Oct 2000 HG

Hg 4.95 ppb .000 4.95

*** Sample ID: CCB3 Seq: 70 20:02:17 19 Oct 2000 HG

Hg -.193 ppb .000 -.193

*** Sample ID: DM54CD Seq: 71 20:04:05 19 Oct 2000 HG

Hg 1.03 ppb .000 1.03

*** Sample ID: DM542 Seq: 72 20:06:24 19 Oct 2000 HG

Hg .052 ppb .000 .052

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: DM545 Seq: 73 20:08:13 19 Oct 2000 HG

Hg .132 ppb .000 .132

*** Sample ID: DM547 Seq: 74 20:10:10 19 Oct 2000 HG

Hg .187 ppb .000 .187

*** Sample ID: DM55G Seq: 75 20:11:57 19 Oct 2000 HG

Hg .195 ppb .000 .195

*** Sample ID: DM55K Seq: 76 20:13:43 19 Oct 2000 HG

Hg .086 ppb .000 .086

*** Sample ID: DM55R Seq: 77 20:15:29 19 Oct 2000 HG

Hg .170 ppb .000 .170

*** Sample ID: [illegible] Seq: 78 20:17:17 19 Oct 2000 HG

Hg .218 ppb .000 .218

*** Sample ID: DM551 Seq: 79 20:19:09 19 Oct 2000 HG

Hg .135 ppb .000 .135

*** Sample ID: CCV4 Seq: 80 20:20:58 19 Oct 2000 HG

Hg 4.94 ppb .000 4.94

*** Sample ID: CCB4 Seq: 81 20:23:26 19 Oct 2000 HG

Hg -.012 ppb .000 -.012

*** Sample ID: DM554 Seq: 82 20:25:13 19 Oct 2000 HG

Hg .324 ppb .000 .324

*** Sample ID: DM557 Seq: 83 20:27:02 19 Oct 2000 HG

Hg .228 ppb .000 .228

*** Sample ID: DM56D Seq: 84 20:28:50 19 Oct 2000 HG

Hg .170 ppb .000 .170

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: DM56H Seq: 85 20:30:52 19 Oct 2000 HG

Hg .639 ppb .000 .639

*** Sample ID: DM56L Seq: 86 20:32:49 19 Oct 2000 HG

Hg .216 ppb .000 .216

*** Sample ID: DM56P Seq: 87 20:34:38 19 Oct 2000 HG

Hg .188 ppb .000 .188

*** Sample ID: DM56R Seq: 88 20:36:25 19 Oct 2000 HG

Hg .198 ppb .000 .198

*** Sample ID: DM563 Seq: 89 20:38:15 19 Oct 2000 HG

Hg .451 ppb .000 .451

Hg .268 ppb .000 .268

*** Sample ID: DNCAXB Seq: 91 20:42:15 19 Oct 2000 HG

Hg -.033 ppb .000 -.033

*** Sample ID: CCV5 Seq: 92 20:44:13 19 Oct 2000 HG

Hg 4.87 ppb .000 4.87

*** Sample ID: CCB5 Seq: 93 20:46:02 19 Oct 2000 HG

Hg -.124 ppb .000 -.124

*** Sample ID: DNCAXC Seq: 94 20:47:53 19 Oct 2000 HG

Hg 4.76 ppb .000 4.76

*** Sample ID: DM9EJ Seq: 95 20:49:42 19 Oct 2000 HG

Hg .065 ppb .000 .065

*** Sample ID: DM9FE Seq: 96 20:51:31 19 Oct 2000 HG

Hg .017 ppb .000 .017

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: DM9FJ Seq: 97 20:53:34 19 Oct 2000 HG

Hg .308 ppb .000 .308

*** Sample ID: DM9FM Seq: 98 20:55:25 19 Oct 2000 HG

Hg .532 ppb .000 .532

*** Sample ID: DM9FV Seq: 99 20:57:15 19 Oct 2000 HG

Hg .221 ppb .000 .221

*** Sample ID: DM9F1 Seq: 100 20:59:15 19 Oct 2000 HG

Hg .031 ppb .000 .031

*** Sample ID: DM9F2 Seq: 101 21:01:06 19 Oct 2000 HG

Hg .051 ppb .000 .051

Hg .046 ppb .000 .046

*** Sample ID: CCV6 Seq: 103 21:05:11 19 Oct 2000 HG

Hg 4.73 ppb .000 4.73

*** Sample ID: CCB6 Seq: 104 21:07:05 19 Oct 2000 HG

Hg -.039 ppb .000 -.039

*** Sample ID: DM9F8 Seq: 105 21:08:58 19 Oct 2000 HG

Hg .055 ppb .000 .055

*** Sample ID: DM9GF Seq: 106 21:10:50 19 Oct 2000 HG

Hg .220 ppb .000 .220

*** Sample ID: DM9GH Seq: 107 21:12:42 19 Oct 2000 HG

Hg .414 ppb .000 .414

*** Sample ID: DM9GK Seq: 108 21:14:34 19 Oct 2000 HG

Hg .135 ppb .000 .135

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: DM9GM Seq: 109 21:16:24 19 Oct 2000 HG

Hg .181 ppb .000 .181

*** Sample ID: DM9GN Seq: 110 21:18:15 19 Oct 2000 HG

Hg .076 ppb .000 .076

*** Sample ID: DM9GQ Seq: 111 21:20:09 19 Oct 2000 HG

Hg .143 ppb .000 .143

*** Sample ID: DM9GV Seq: 112 21:22:02 19 Oct 2000 HG

Hg .156 ppb .000 .156

*** Sample ID: DM9GO Seq: 113 21:23:54 19 Oct 2000 HG

Hg .008 ppb .000 .008

Hg 4.85 ppb .000 4.85

*** Sample ID: CCB7 Seq: 115 21:27:54 19 Oct 2000 HG

Hg -.039 ppb .000 -.039

*** Sample ID: DM9G2 Seq: 116 21:29:47 19 Oct 2000 HG

Hg .109 ppb .000 .109

*** Sample ID: DM9G2S Seq: 117 21:32:04 19 Oct 2000 HG

Hg 1.14 ppb .000 1.14

*** Sample ID: DM9G2D Seq: 118 21:33:59 19 Oct 2000 HG

Hg 1.03 ppb .000 1.03

*** Sample ID: DM9G4 Seq: 119 21:36:01 19 Oct 2000 HG

Hg .290 ppb .000 .290

*** Sample ID: DM9G5 Seq: 120 21:38:03 19 Oct 2000 HG

Hg .225 ppb .000 .225

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: CCV8 Seq: 121 21:39:57 19 Oct 2000 HG

Hg 4.71 ppb .000 4.71

*** Sample ID: CCB8 Seq: 122 21:41:52 19 Oct 2000 HG

Hg -.055 ppb .000 -.055

RQC057

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

Run Date: 10/19/00
Time: 15:30:49

BATCH NUMBER: **0292254**

PREP DATE: 10/18/00
DUE DATE 10/20/00

INITIALS: JA

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0J180158	DNCD6	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/20/00			
E0J180158	DNCEC	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/20/00			
E0J170121	DM9GX	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			
E0J170247	DNAMX	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			
	DNAMXS		_____g	0.60 g	_____g	_____g
	DNAMXD		_____g	0.60 g	_____g	_____g
E0J170247	DNAM3	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			
E0J170247	DNAM6	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			
E0J170247	DNAM9	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			
E0J170247	DNANA	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			
E0J170247	DNAND	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			
E0J170247	DNANF	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			
E0J170247	DNANJ	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			
E0J170247	DNANT	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			
E0J170247	DNAN0	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			
E0J170247	DNAN2	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			

RQC057

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

Run Date: 10/19/00
Time: 15:30:49

BATCH NUMBER: **0292254**

PREP DATE: 10/18/00
DUE DATE 10/20/00

INITIALS: Ja

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0J170247	DNAN4	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			
E0J170247	DNAN6	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			
E0J170247	DNAN8	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			
G0J160175	DM8DA	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		11/13/00			
E0J180000	DNCCLB	01	_____g	X 0.60 g	_____g	_____g
SOLID	DUE DATE:		0/00/00			
	DNCCLC		_____g	0.62 g	_____g	_____g

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

COMMENTS: F.V. = 100ML

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

SPIKING WITNESSED BY _____

STL LOS ANGELES

Précis

Metals Preparation

Batch: 0292254

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

Prepared By: [signature] Date/Time Initiated: 10/18/00 / 1000

Reviewed By: [signature] Date/Time Completed: 8 / 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 T09A05
*HCl	3.75 mL	5587 N41A07
$KMnO_4$	15 mL	995929
$K_2S_2O_8$	8.0 mL	997008

* 3 HCl : 1HNO_3 as Aqua Regia

Analysis

Reagents	Volume	Lot#
NH_2OH-HCl+ NaCl	6.0 mL	995700+ 995717
$SnCl_2$ + HCl	Controlled by instrument	000152+ 5587 N41A07

SOP No. CORP-IP-0007SA, Revision 1.1, Date: 7/10/96

Method 7471A/245.5

Sample size 0.6 g (well mixed)

Step 1. **Standards**-Add 5 mL of aqua regia and mix.
Samples-Add 5 mL of DI water and 5 mL of aqua regia and mix.

Step 2. Heat for 2 min. at 95 °C ±5 °C.

Step 3. Cool

Step 4. Add 50 mL of DI water and mix.

Step 3. Add 15 mL of $KMnO_4$ and mix.

Step 4. Add 8 mL of $K_2S_2O_8$ and mix

Step 5. Heat at 95 °C ±5 °C for 30 min.

Step 6. Cool

Step 7. Add 6 mL of NH_2OH-HCl and mix.

Step 8. **Standards**-Add 50 mL of DI water and mix.
Samples- Add 55 mL of DI water and mix.

Standards to be prepared with each batch

To each standard add DI water for a total vol. of 10 mL

Standard	Concentration (mg/L)
Std. 0/ICB/CCB	0
Std. 1	0.0002
Std. 2	0.0005
Std. 3	0.001
Std. 4/CCV	0.005
Std. 5	0.010
ICV	0.0025

Redigestion required - Samples/Reason: _____

Requested By: _____ Date: _____ Completed By: _____ Date: _____

Digestate Chain-of-Custody:

Relinquished By: [signature] Date: 10/19/00 Received By: [signature] Date: 10/19/00

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10/18/00

RQC057

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

Run Date: 10/18/00
Time: 11:17:44

BATCH NUMBER: **0292238**

PREP DATE: 10/18/00
DUE DATE 10/03/00

INITIALS: JP

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
L0I190204	DKLJ8	01	_____g	X 0. g	_____g	_____g
SOLID	TO DUE DATE:		10/03/00			
E0J160201	DM8RR	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			
	DM8RRS		_____g	0.59 g	_____g	_____g
	DM8RRD		_____g	0.59 g	_____g	_____g
E0J160201	DM8R0	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			
E0J160201	DM8R7	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			
E0J160201	DM8TL	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			
E0J160201	DM8TQ	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			
E0J160201	DM8TT	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			
E0J160201	DM8TX	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			
E0J160201	DM8T1	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			
E0J160201	DM8T3	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			
E0J160201	DM8VK	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			
E0J160201	DM8VR	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			
E0J160201	DM8VW	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			
E0J160201	DM8V1	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			

RQC057

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

Run Date: 10/18/00
Time: 11:17:44

BATCH NUMBER: **0292238**

PREP DATE: 10/18/00
DUE DATE 10/03/00

INITIALS: JP

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0J160201	DM8WA	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			
E0J160201	DM8WF	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			
E0J160201	DM8WQ	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			
E0J160201	DM8WV	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			
E0J160201	DM8W0	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			
E0J180000	DNA9MB	01	_____g	X 0.60 g	_____g	_____g
SOLID	DUE DATE:		0/00/00			
	DNA9MC		_____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: 0292238

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

Prepared By: [signature] Date/Time Initiated: 10/18/00 1500

Reviewed By: [signature] Date/Time Completed: 10/18/00 1530

Water Bath # 6 Temp* 95 °C Thermometer # M-H-01

*Thermometer correction applied. (CF + 2.0°C)

Spike Standards for LCS, MS/MSD and ICV samples (*Volume of Working standard).

	*Volume	Lot #	Exp. Date
1. Hg Cal (MS)	1 mL	Hg-060800	05/2002
2. Hg Cal (LCS)	5 mL	Hg-060800	05/2002
3. Hg ICV	0.5 mL	Hg-061300	07/2001

Preparation

Reagents	Volume	Lot #
*HNO_3	1.25 mL	6623 T09A05
*HCl	3.75 mL	5587 N41A07
$KMnO_4$	15 mL	995929
$K_2S_2O_8$	8.0 mL	997008

* 3 HCl : 1HNO_3 as Aqua Regia

Analysis

Reagents	Volume	Lot#
NH_2OH-HCl+ NaCl	6.0 mL	995700+ 995717
$SnCl_2$ + HCl	Controlled by instrument	000152+ 5587 N41A07

SOP No. CORP-IP-0007SA, Revision 1.1, Date: 7/10/96

Method 7471A/245.5

Sample size 0.6 g (well mixed)

Step 1. **Standards**-Add 5 mL of aqua regia and mix.
Samples-Add 5 mL of DI water and 5 mL of aqua regia and mix.
Step 2. Heat for 2 min. at 95 °C ±5 °C.
Step 3. Cool
Step 4. Add 50 mL of DI water and mix.
Step 3. Add 15 mL of $KMnO_4$ and mix.
Step 4. Add 8 mL of $K_2S_2O_8$ and mix
Step 5. Heat at 95 °C ±5 °C for 30 min.
Step 6. Cool
Step 7. Add 6 mL of NH_2OH-HCl and mix.
Step 8. **Standards**-Add 50 mL of DI water and mix.
Samples- Add 55 mL of DI water and mix.

Standards to be prepared with each batch

To each standard add DI water for a total vol. of 10 mL

Standard	Concentration (mg/L)
Std. 0/ICB/CCB	0
Std. 1	0.0002
Std. 2	0.0005
Std. 3	0.001
Std. 4/CCV	0.005
Std. 5	0.010
ICV	0.0025

Redigestion required - Samples/Reason: _____

Requested By: _____ Date: _____ Completed By: _____ Date: _____

Digestate Chain-of-Custody:

Relinquished By: [signature] Date: 10/18/00 Received By: [signature] Date: 10/18/00

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10/18/00

RQC057

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

Run Date: 10/16/00
Time: 14:42:46

BATCH NUMBER: **0290497**

PREP DATE: 10/17/00
DUE DATE 10/19/00

INITIALS: JR

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0J130341	DM6DE	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/19/00			
	DM6DES		_____g	0.59 g	_____g	_____g
	DM6DED		_____g	0.59 g	_____g	_____g
E0J130341	DM6DN	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/19/00			
E0J130341	DM6D5	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/19/00			
E0J130341	DM6EA	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/19/00			
E0J130341	DM6EE	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/19/00			
E0J130341	DM6EH	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/19/00			
E0J130341	DM6EP	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/19/00			
E0J130341	DM6ET	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/19/00			
E0J130341	DM6EX	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/19/00			
E0J130341	DM6E4	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/19/00			
E0J160000	DM8C8B	01	_____g	X 0.60 g	_____g	_____g
SOLID	DUE DATE:		0/00/00			
	DM8C8C		_____g	0.62 g	_____g	_____g

F.V. = 100ML

STL LOS ANGELES

Précis

Metals Preparation

Batch: 0290497

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

Prepared By: [signature] Date/Time Initiated: 10/18/00 1230

Reviewed By: [signature] Date/Time Completed: 10/18/00 1300

Water Bath # 6 Temp* 95 °C Thermometer # M-H-01

*Thermometer correction applied. (CF + 2.0°C)

Spike Standards for LCS, MS/MSD and ICV samples (*Volume of Working standard).

	*Volume	Lot #	Exp. Date
1. Hg Cal (MS)	1 mL	Hg-060800	05/2002
2. Hg Cal (LCS)	5 mL	Hg-060800	05/2002
3. Hg ICV	0.5 mL	Hg-061300	07/2001

Preparation

Reagents	Volume	Lot #
*HNO_3	1.25 mL	6623 T09A05
*HCl	3.75 mL	5587 N41A07
$KMnO_4$	15 mL	995929
$K_2S_2O_8$	8.0 mL	997008

* 3 HCl : 1HNO_3 as Aqua Regia

Analysis

Reagents	Volume	Lot#
NH_2OH-HCl+ NaCl	6.0 mL	995700+ 995717
$SnCl_2$ + HCl	Controlled by instrument	000152+ 5587 N41A07

SOP No. CORP-IP-0007SA, Revision 1.1, Date: 7/10/96

Method 7471A/245.5

Sample size 0.6 g (well mixed)

Step 1. **Standards**-Add 5 mL of aqua regia and mix.
Samples-Add 5 mL of DI water and 5 mL of aqua regia and mix.

Step 2. Heat for 2 min. at 95 °C ±5 °C.

Step 3. Cool

Step 4. Add 50 mL of DI water and mix.

Step 3. Add 15 mL of $KMnO_4$ and mix.

Step 4. Add 8 mL of $K_2S_2O_8$ and mix

Step 5. Heat at 95 °C ±5 °C for 30 min.

Step 6. Cool

Step 7. Add 6 mL of NH_2OH-HCl and mix.

Step 8. **Standards**-Add 50 mL of DI water and mix.
Samples- Add 55 mL of DI water and mix.

Standards to be prepared with each batch

To each standard add DI water for a total vol. of 10 mL

Standard	Concentration (mg/L)
Std. 0/ICB/CCB	0
Std. 1	0.0002
Std. 2	0.0005
Std. 3	0.001
Std. 4/CCV	0.005
Std. 5	0.010
ICV	0.0025

Redigestion required - Samples/Reason: _____

Requested By: _____ Date: _____ Completed By: _____ Date: _____

Digestate Chain-of-Custody:

Relinquished By: [signature] Date: 10/19/00 Received By: [signature] Date: 10/19/00

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10/18/00

RQC057

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

Run Date: 10/16/00
Time: 14:42:37

BATCH NUMBER: **0290494**

PREP DATE: 10/17/00
DUE DATE 10/19/00

INITIALS: lcy

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0J130321	DM54C	01	_____g	X .59 g	_____g	_____g
SOLID	TO DUE DATE:		10/19/00			
	DM54CS		_____g	.60 g	_____g	_____g
	DM54CD		_____g	.60 g	_____g	_____g
E0J130321	DM542	01	_____g	X .61 g	_____g	_____g
SOLID	TO DUE DATE:		10/19/00			
E0J130321	DM545	01	_____g	X .60 g	_____g	_____g
SOLID	TO DUE DATE:		10/19/00			
E0J130321	DM547	01	_____g	X .60 g	_____g	_____g
SOLID	TO DUE DATE:		10/19/00			
E0J130321	DM55G	01	_____g	X .61 g	_____g	_____g
SOLID	TO DUE DATE:		10/19/00			
E0J130321	DM55K	01	_____g	X .59 g	_____g	_____g
SOLID	TO DUE DATE:		10/19/00			
E0J130321	DM55R	01	_____g	X .58 g	_____g	_____g
SOLID	TO DUE DATE:		10/19/00			
E0J130321	DM55X	01	_____g	X .59 g	_____g	_____g
SOLID	TO DUE DATE:		10/19/00			
E0J130321	DM551	01	_____g	X .60 g	_____g	_____g
SOLID	TO DUE DATE:		10/19/00			
E0J130321	DM554	01	_____g	X .60 g	_____g	_____g
SOLID	TO DUE DATE:		10/19/00			
E0J130321	DM557	01	_____g	X .61 g	_____g	_____g
SOLID	TO DUE DATE:		10/19/00			
E0J130321	DM56D	01	_____g	X .61 g	_____g	_____g
SOLID	TO DUE DATE:		10/19/00			
E0J130321	DM56H	01	_____g	X .60 g	_____g	_____g
SOLID	TO DUE DATE:		10/19/00			
E0J130321	DM56L	01	_____g	X .61 g	_____g	_____g
SOLID	TO DUE DATE:		10/19/00			

RQC057

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

Run Date: 10/16/00
Time: 14:42:37

BATCH NUMBER: **0290494**

PREP DATE: 10/17/00
DUE DATE 10/19/00

INITIALS: LCJ

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0J130321	DM56P	01	_____g	X .59 g	_____g	_____g
SOLID	TO DUE DATE:		10/19/00			
E0J130321	DM56R	01	_____g	X .60 g	_____g	_____g
SOLID	TO DUE DATE:		10/19/00			
E0J130321	DM563	01	_____g	X .59 g	_____g	_____g
SOLID	TO DUE DATE:		10/19/00			
E0J130321	DM57N	01	_____g	X .60 g	_____g	_____g
SOLID	TO DUE DATE:		10/19/00			
E0J160000	DM8C4B	01	_____g	X .60 g	_____g	_____g
SOLID	DUE DATE:		0/00/00			
	DM8C4C		_____g	.62 g	_____g	_____g

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

COMMENTS: F.V. = 100ML

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

SPIKING WITNESSED BY _____

STL LOS ANGELES

Précis

Metals Preparation

Batch: 0290494

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

Prepared By: Jgr Date/Time Initiated: 10/18/001 1400

Reviewed By: Jgr Date/Time Completed: 1 1430

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 #	Analysis Reagents	Volume	Lot#
*HNO_3	1.25 mL	6623 T09A05	NH_2OH-HCl+	6.0 mL	995700+
*HCl	3.75 mL	5587 N41A07	NaCl		995717
$KMnO_4$	15 mL	995929	$SnCl_2$ +	Controlled by	000152+
$K_2S_2O_8$	8.0 mL	997008	HCl	instrument	5587 N41A07

* 3 HCl : 1HNO_3 as Aqua Regia

SOP No. CORP-IP-0007SA, Revision 1.1, Date: 7/10/96

Method 7471A/245.5

Sample size 0.6 g (well mixed)

Step 1. **Standards**-Add 5 mL of aqua regia and mix.
Samples-Add 5 mL of DI water and 5 mL of aqua regia and mix.

Step 2. Heat for 2 min. at 95 °C ±5 °C.

Step 3. Cool

Step 4. Add 50 mL of DI water and mix.

Step 3. Add 15 mL of $KMnO_4$ and mix.

Step 4. Add 8 mL of $K_2S_2O_8$ and mix

Step 5. Heat at 95 °C ±5 °C for 30 min.

Step 6. Cool

Step 7. Add 6 mL of NH_2OH-HCl and mix.

Step 8. **Standards**-Add 50 mL of DI water and mix.
Samples- Add 55 mL of DI water and mix.

Standards to be prepared with each batch

To each standard add DI water for a total vol. of 10 mL

Standard	Concentration (mg/L)
Std. 0/ICB/CCB	0
Std. 1	0.0002
Std. 2	0.0005
Std. 3	0.001
Std. 4/CCV	0.005
Std. 5	0.010
ICV	0.0025

Redigestion required - Samples/Reason: _____

Requested By: _____ Date: _____ Completed By: _____ Date: _____

Digestate Chain-of-Custody:

Relinquished By: Jgr Date: 10/18/00 Received By: Jgr Date: Jgr 10/19/00

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10/18/00

RQC057

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

Run Date: 10/18/00
Time: 11:12:24

BATCH NUMBER: **0292249**

PREP DATE: 10/18/00
DUE DATE 10/23/00

INITIALS: 127

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0J170121	DM9EJ	01	_____g	X .60 g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			
E0J170121	DM9FE	01	_____g	X .60 g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			
E0J170121	DM9FJ	01	_____g	X .61 g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			
E0J170121	DM9FM	01	_____g	X .59 g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			
E0J170121	DM9FV	01	_____g	X .61 g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			
E0J170121	DM9F1	01	_____g	X .59 g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			
E0J170121	DM9F2	01	_____g	X .59 g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			
E0J170121	DM9F4	01	_____g	X .58 g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			
E0J170121	DM9F8	01	_____g	X .59 g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			
E0J170121	DM9GF	01	_____g	X .60 g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			
E0J170121	DM9GH	01	_____g	X .61 g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			
E0J170121	DM9GK	01	_____g	X .61 g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			
E0J170121	DM9GM	01	_____g	X .60 g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			
E0J170121	DM9GN	01	_____g	X .61 g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			
E0J170121	DM9GQ	01	_____g	X .60 g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			
E0J170121	DM9GV	01	_____g	X .61 g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			

RQC057

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

Run Date: 10/18/00
Time: 11:12:24

BATCH NUMBER: **0292249**

PREP DATE: 10/18/00
DUE DATE 10/23/00

INITIALS: WJ

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0J170121	DM9G0	01	_____g	X .60 g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			
E0J170121	DM9G2	01	_____g	X .61 g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			
	DM9G2S		_____g	.61 g	_____g	_____g
	DM9G2D		_____g	.61 g	_____g	_____g
E0J170121	DM9G4	01	_____g	X .60 g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			
E0J170121	DM9G5	01	_____g	X .59 g	_____g	_____g
SOLID	TO DUE DATE:		10/23/00			
E0J180000	DNCAXB	01	_____g	X .60 g	_____g	_____g
SOLID	DUE DATE:		0/00/00			
	DNCAXC		_____g	.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: 0292249

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

Prepared By: JB Date/Time Initiated: 10/19/00 / 1200

Reviewed By: JB Date/Time Completed: 1 / 1230

Water Bath # 6 Temp* 93 °C Thermometer # M-H-01

*Thermometer correction applied. (CF + 2.0°C)

Spike Standards for LCS, MS/MSD and ICV samples (*Volume of Working standard).

	*Volume	Lot #	Exp. Date
1. Hg Cal (MS)	1 mL	Hg-060800	05/2002
2. Hg Cal (LCS)	5 mL	Hg-060800	05/2002
3. Hg ICV	0.5 mL	Hg-061300	07/2001

Preparation

Reagents	Volume	Lot #
*HNO_3	1.25 mL	6623 T09A05
*HCl	3.75 mL	5587 N41A07
$KMnO_4$	15 mL	995929
$K_2S_2O_8$	8.0 mL	997008

* 3 HCl : 1HNO_3 as Aqua Regia

Analysis

Reagents	Volume	Lot#
NH_2OH-HCl+ NaCl	6.0 mL	995700+ 995717
$SnCl_2$ + HCl	Controlled by instrument	000152+ 5587 N41A07

SOP No. CORP-IP-0007SA, Revision 1.1, Date: 7/10/96

Method 7471A/245.5

Sample size 0.6 g (well mixed)

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Step 3. Cool
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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.

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To each standard add DI water for a total vol. of 10 mL

Standard	Concentration (mg/L)
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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: JB Date: 10/19/00 Received By: JB Date: 10/19/00

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10/18/00