TVPH

SAMPLE AND QC DATA

$C_6 \rightarrow C_8$

Date(s) Analyzed: 10-5,6-00

Instrument ID: GC15A GC16 GC13

Batch #: 0283409

Samples: EOJ 030150 - B,C,24

EOJ 030233 - 1,15,1D Batch QC

Turbochrom Sequence File : C:\TC4\GC15\005.SEQ
Created by : JKA on : 10/5/00 01:17 PM
Edited by : JKA on : 10/6/00 05:26 PM
Description : TVPH BY PURGE AND TRAP BY METHOD 8015B

TVPH STD: #122-2
TVPH QC SPIKE: #121-1
SURROGATE (TFT): #124-1

FJK 10/10/00

Number of Times Edited : 10

Sequence File Header Information:

Number of Rows : 122
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	10/05/00	BLK	10/05/00	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
2	Sample	GASCCV	GASCCV		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
3	Sample	LCSGAS-S	LCS-GAS	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
4	Sample	BLK-S	BLK-S	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
5	Sample	j030150-24	150-24	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
6	Sample	j030233-1	j030233-1	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
7	Sample	j030233-2	j030233-2	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
8	Sample	j030233-4	j030233-4	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
9	Sample	j030233-5	j030233-5	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
10	Sample	j030233-6	j030233-6	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
11	Sample	j030233-7	j030233-7	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
12	Sample	j030233-8	j030233-8	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
13	Sample	j030233-9 w med	j030233-9	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
14	Sample	j030233-10 w lgn	j030233-10	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
15	Sample	j030233-11	j030233-11	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
16	Sample	j030233-12	j030233-12	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
17	Sample	j030233-13 w med	j030233-13	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
18	Sample	j030233-14 w med	j030233-14	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
19	Sample	j030233-15 w lgn	j030233-15	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
20	Sample	BLK	BLK		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
21	Sample	GASCCV	GASCCV		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
22	Sample	j030233-16	j030233-16	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
23	Sample	j030233-17	j030233-17	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
24	Sample	j030233-18	j030233-18	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
25	Sample	j030233-19	j030233-19	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
26	Sample	233-1ms	233-1ms	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
27	Sample	233-1msd	233-1msd	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
28	Sample	LCSGAS-S	LCS-GAS	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
29	Sample	BLK-S	BLK-S	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
30	Sample	BLK-S n/a	BLK-S	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
31	Sample	j030262-2	j030262-2	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
32	Sample	j030262-3	j030262-3	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
33	Sample	j030262-4	j030262-4	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
34	Sample	j030262-5	j030262-5	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
35	Sample	j030262-6	j030262-6	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
36	Sample	j030262-7 w med	j030262-7	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
37	Sample	j030262-8	j030262-8	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
38	Sample	j030262-9	j030262-9	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
39	Sample	j030262-11	j030262-11	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
40	Sample	GASCCV	GASCCV		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
41	Sample	j030262-12 w lgn	j030262-12	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
42	Sample	j030262-14 w med	j030262-14	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
43	Sample	j030262-16 w med	j030262-16	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
44	Sample	j030262-17 br lgn	j030262-17	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
45	Sample	j030262-19 w lgn	j030262-19	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
46	Sample	j030262-20	j030262-20	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
47	Sample	j030262-21	j030262-21	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
48	Sample	j030262-22	j030262-22	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
49	Sample	j030262-23	j030262-23	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
50	Sample	262-23ms	262-23ms	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
51	Sample	262-23msd	262-23msd	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
52	Sample	GASCCV	GASCCV		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
53	Sample	LCSGAS-S	LCS-GAS	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
54	Sample	BLK-S	BLK-S	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000

028390 (1)

028314 (2)

000774

BOE-C6-0149192

Software Version: 4.1<2F12>
Sample Name : GASCCV
Sample Number: GASCCV
Operator :

Time : 10/5/00 04:35 PM
Study :

Instrument : GC15
AutoSampler :
Rack/Vial : 0/0

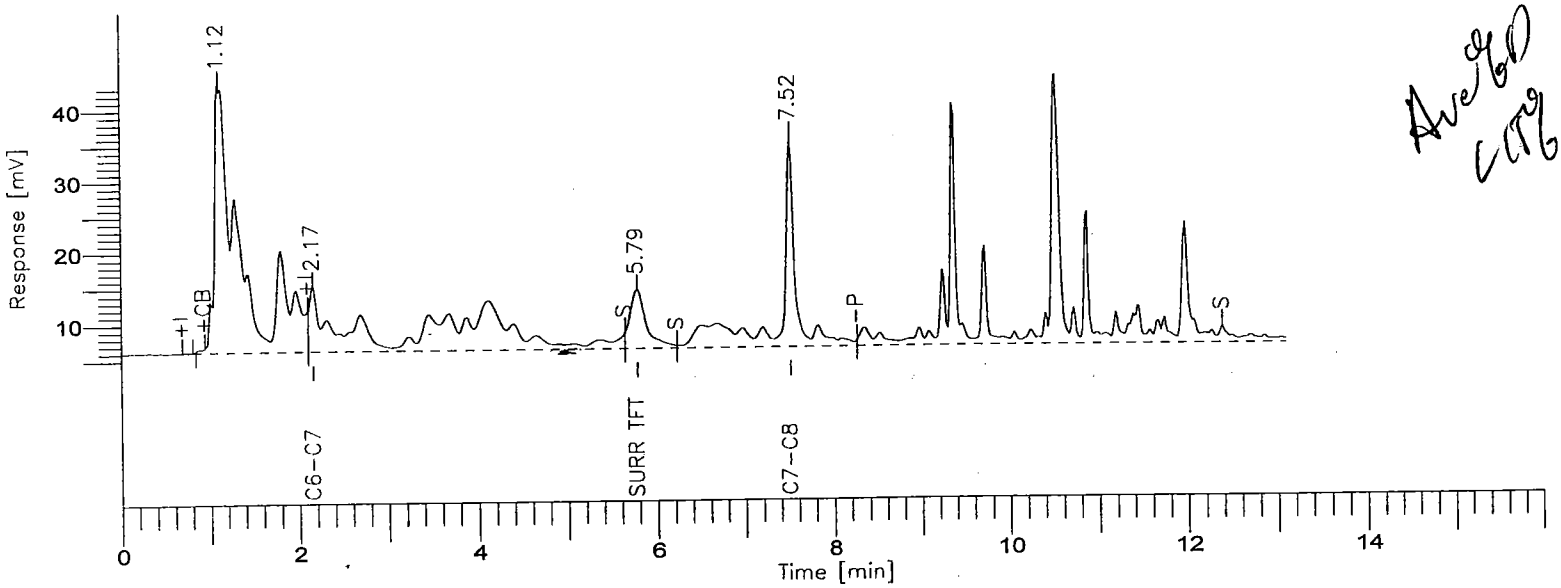
Channel : A A/D mV Range : 1000

Interface Serial # : 0269512307 Data Acquisition Time: 10/5/00 04:22 PM
Delay Time : 0.00 min.
End Time : 13.08 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O05A002A.RAW
Result File : C:\TC4\GC15\O05A002A.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O05A002A.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8
Calib Method : C:\TC4\GC15\METHODS\925C6-C8
Sequence File : C:\TC4\GC15\O05.SEQ

Sample Volume : 1.0000 ml
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



Avg 6D
CTG

8015B(TVPH)

GC-15/FID COLUMN: DB624

000775

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
5.79	SURR TFT	104272	0.0380	0.0400	-5.0
7.52	GASOLINE RANGE	898768	0.8012	1.0000	-19.9
		1003040			

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
2.17	C6-C7	542694	0.7796	0.0000	-----
7.52	C7-C8	356074	0.8358	0.0000	-----
		898768			

S - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O05A002A.TXO

Software Version: 4.1<2F12>
Sample Name : GASCCV
Sample Number: GASCCV
Operator :

Time : 10/6/00 10:57 AM
Study :

Instrument : GC15
AutoSampler :
Rack/Vial : 0/0

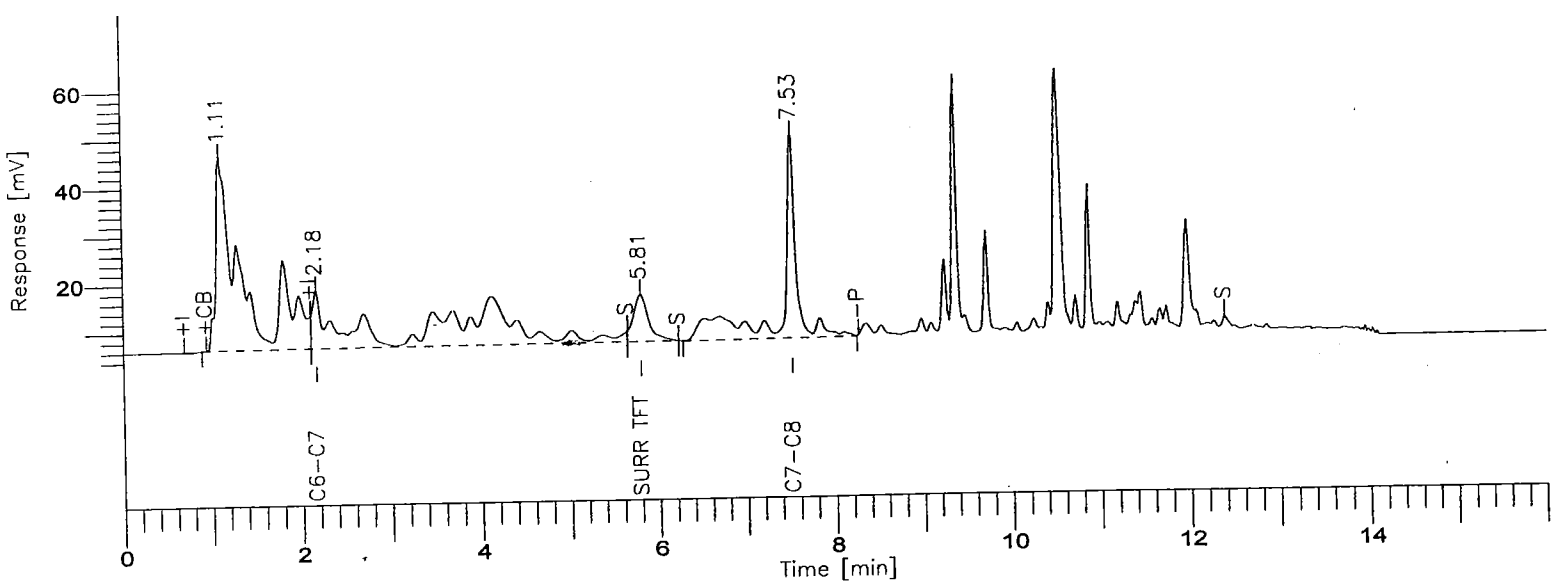
Channel : A A/D mV Range : 1000

Interface Serial # : 0269512307 Data Acquisition Time: 10/6/00 02:20 AM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O05A021.RAW
Result File : C:\TC4\GC15\O05A021.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O05A021.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O05A021.RST
Calib Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O05A021.RST
Sequence File : C:\TC4\GC15\O05.SEQ

Sample Volume : 1.0000 ml
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

000777

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
5.81	SURR TFT	116294	0.0416	0.0400	3.9
7.52	GASOLINE RANGE	1190566	1.0521	1.0000	5.2
		1306860			

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
2.18	C6-C7	718465	1.0253	0.0000	-----
7.52	C7-C8	472101	1.0948	0.0000	-----
		1190566			

L - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O05A021.TX0

Software Version: 4.1<2F12>
Sample Name : GASCCV
Sample Number: GASCCV
Operator :

Time : 10/6/00 11:42 AM
Study :

Instrument : GC15
AutoSampler :
Rack/Vial : 0/0

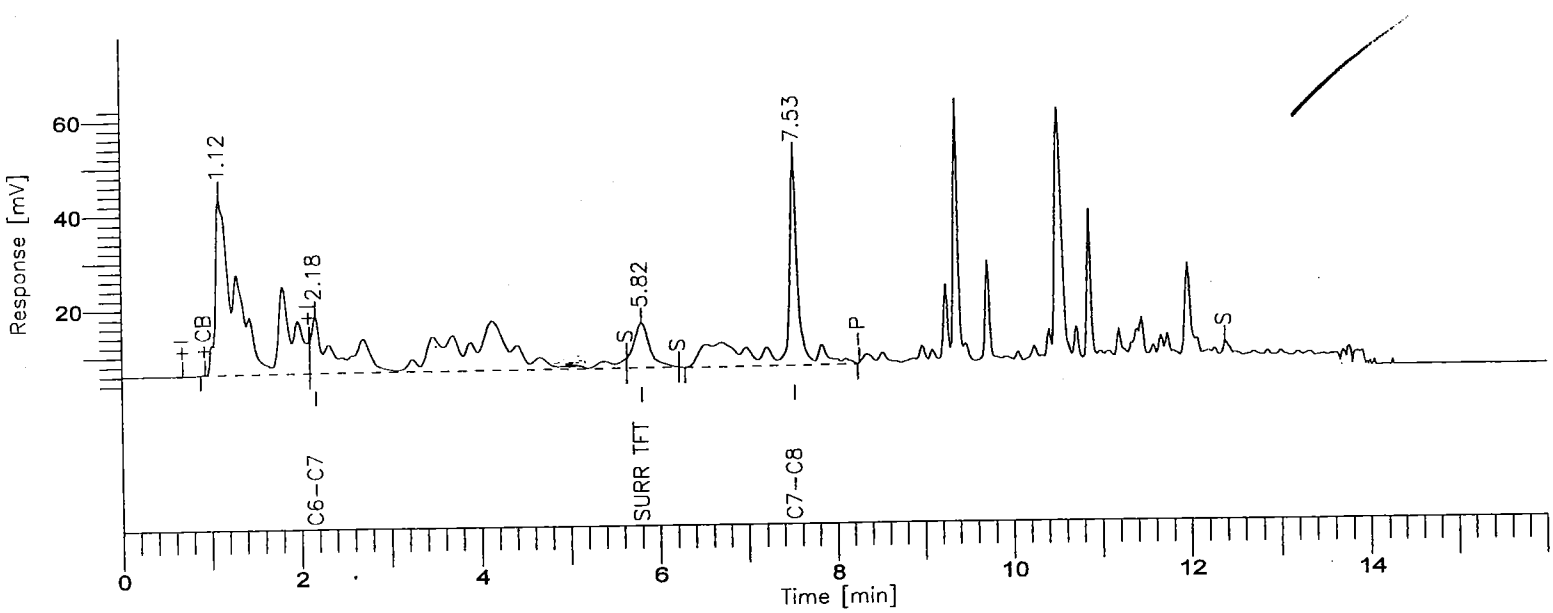
Channel : A A/D mV Range : 1000

Interface Serial # : 0269512307 Data Acquisition Time: 10/6/00 11:23 AM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O05A040.RAW
Result File : C:\TC4\GC15\O05A040.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O05A040.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O05A040.RST
Calib Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O05A040.RST
Sequence File : C:\TC4\GC15\O05.SEQ

Sample Volume : 1.0000 ml
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

000779

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
5.82	SURR TFT	115427	0.0413	0.0400	3.3
7.53	GASOLINE RANGE	1205423	1.0648	1.0000	6.5
		1320850			

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
2.18	C6-C7	717283	1.0237	0.0000	-----
7.53	C7-C8	488140	1.1306	0.0000	-----
		1205423			

S.. - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O05A040.TXO

Software Version: 4.1<2F12>
Sample Name : GASCCV
Sample Number: GASCCV
Operator :

Time : 10/7/00 11:51 PM
Study :

Instrument : GC15
AutoSampler :
Rack/Vial : 0/0

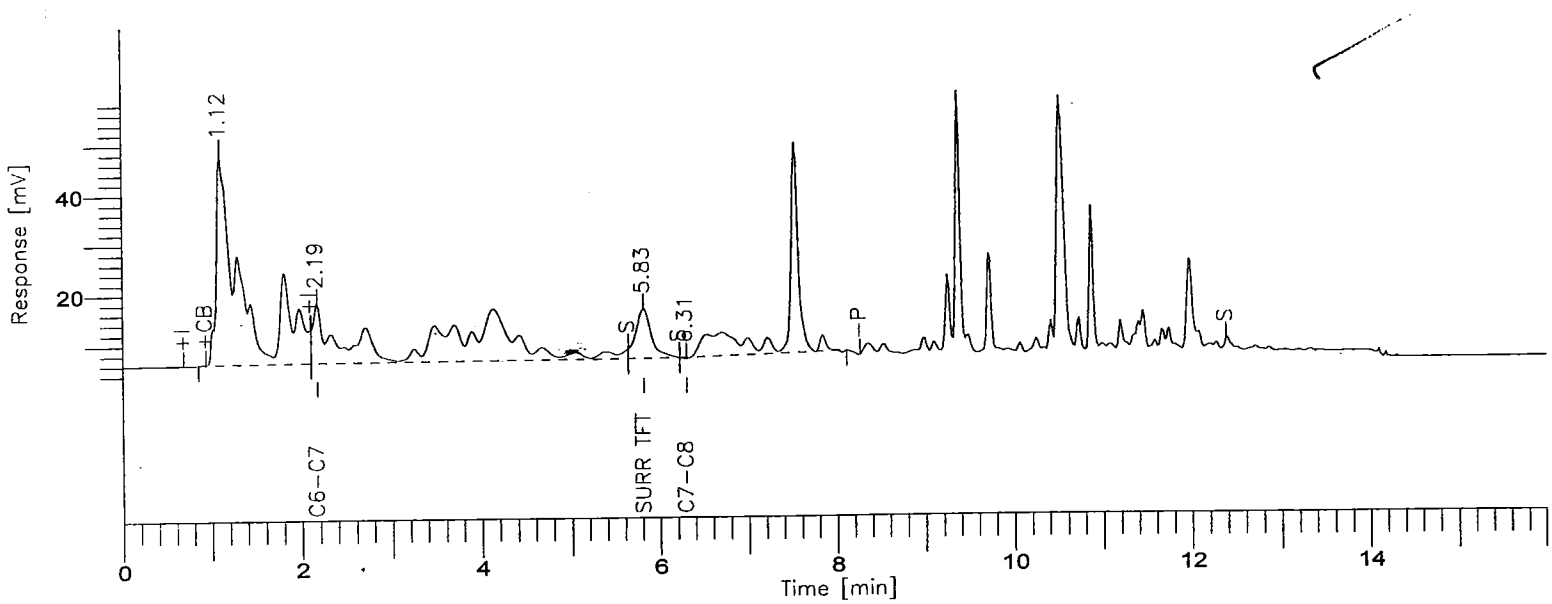
Channel : A A/D mV Range : 1000

Interface Serial # : 0269512307 Data Acquisition Time: 10/6/00 05:18 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O05A052.RAW
Result File : C:\TC4\GC15\O05A052.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O05A052.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O05A052.RST
Calib Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O05A052.RST
Sequence File : C:\TC4\GC15\O05.SEQ

Sample Volume : 1.0000 ml
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

000781

BOE-C6-0149199

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
2.19	GASOLINE RANGE	1112400	0.9849	1.0000	-1.5
5.83	SURR TFT	119511	0.0425	0.0400	6.3
		1231912			

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
2.19	C6-C7	710394	1.0140	0.0000	-----
6.31	C7-C8	402006	0.9383	0.0000	-----
		1112400			

SIL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O05A052.TX0

Lot/Sample: E0J090000-409B INTRA-LAB BLANK TICs.....: N Report Results: Y
WO#.....: DLRP0-1-01 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 15 KJ 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/05/00
Inject Time..: 17:21 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O05A004
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/02/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/09 14:05:33
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/05-10/06/00
QC Batch.....: 0283409
MS Run Number:
Prep Time....: 0:00- 0:00
Init Wgt/Vol.: 1 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: Amt..:
Exchange Solv: Amt..:
Spike....:
Surrogate: TFT

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05134	C6-C8			0.1553	1	0.1	J	J

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
03185	a,a,a-Trifluorotoluene (TFT		0.2	0.1677	83.85		

Notes:

J Estimated result. Result is less than RL.

Software Version: 4.1<2F12>
Sample Name : BLK-S
Sample Number: BLK-S
Operator :

Time : 10/5/00 05:37 PM
Study : LOW SOIL

Instrument : GC15
AutoSampler :
Rack/Vial : 0/0

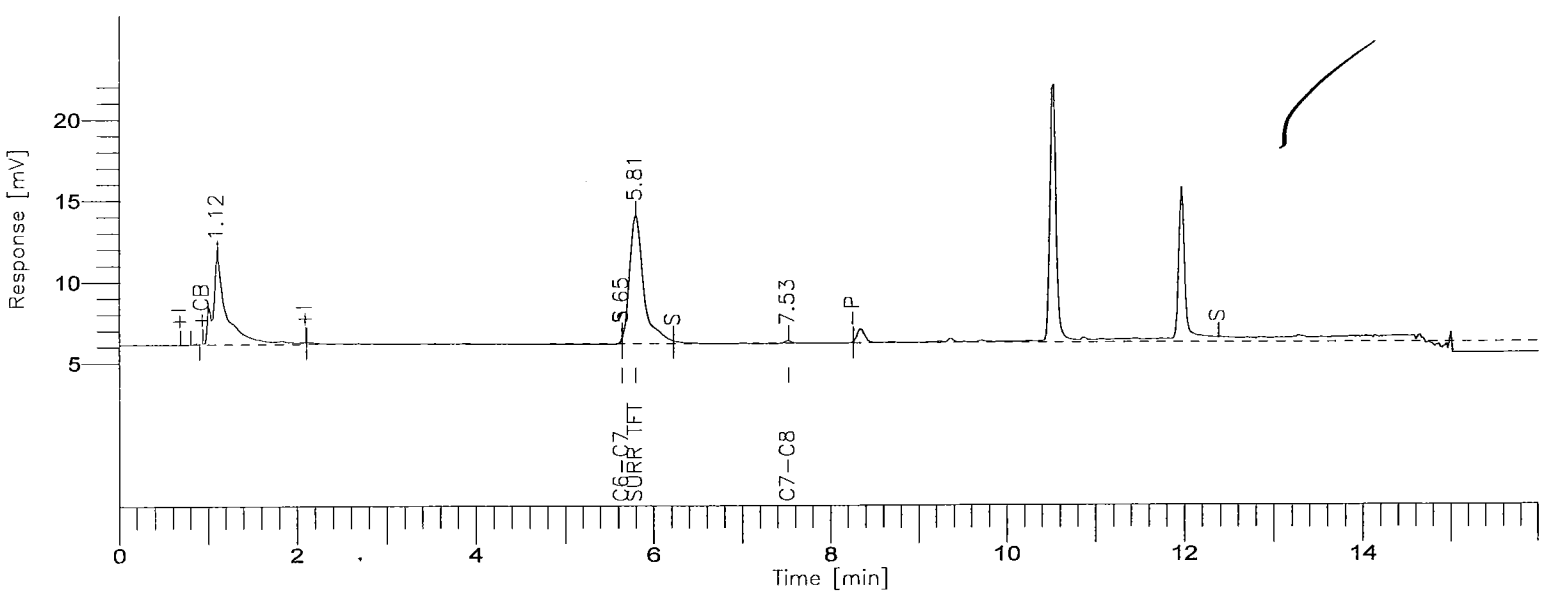
Channel : A A/D mV Range : 1000

Interface Serial # : 0269512307 Data Acquisition Time: 10/5/00 05:21 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O05A004.RAW
Result File : C:\TC4\GC15\O05A004.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O05A004.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8
Calib Method : C:\TC4\GC15\METHODS\925C6-C8
Sequence File : C:\TC4\GC15\O05.SEQ

Sample Volume : 1.0000 ml
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

000784

BOE-C6-0149202

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.65	GASOLINE RANGE	2886	0.1553	-----	1.00		0.0311
5.81	SURR TFT	89146	0.1677	83.9	0.00		0.0335
		92032					0.0646

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.65	C6-C7	1532	0.1146	-----	0.00		0.0229
7.53	C7-C8	1354	0.2202	-----	0.00		0.0440
		2886					0.0670

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O05A004.TX0

Lot/Sample: E0J090000-409C INTRA-LAB CHECK TICs.....: N Report Results: Y
WO#.....: DLRP0-1-02 Est. Results: Sig Fig Alg...: A
SAC.....: XX A 15 KJ 01 Dry Weight..: Upload.....: Y
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/05/00
Inject Time..: 16:52 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O05A003
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/02/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/09 12:49:56
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/05-10/06/00
QC Batch.....: 0283409
MS Run Number:
Prep Time....: 0:00- 0:00
Init Wgt/Vol.: 1 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: Amt..:
Exchange Solv: Amt..:
Spike....: GASOLINE
Surrogate: TFT

Total Solids..: .00

SYN#	Analyte	* SPK	Exc Code	Spike Amount	Measured Amount	%REC	%RPD	Data Qual	Report Qual
04273	Gasoline Range Organics			5.0	NA	0	0		NA
04863	Gasoline Range Organics			5.0	NA	0	0		NA
02909	TPH (as Gasoline)			5.0	5.4341	108.6	0		

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
03185	a,a,a-Trifluorotoluene (TFT		0.2	0.2193	109.65		

Software Version: 4.1<2F12>
Sample Name : LCSGAS-S
Sample Number: LCS-GAS
Operator :

Time : 10/5/00 05:08 PM
Study : LOW SOIL

Instrument : GC15
AutoSampler :
Rack/Vial : 0/0

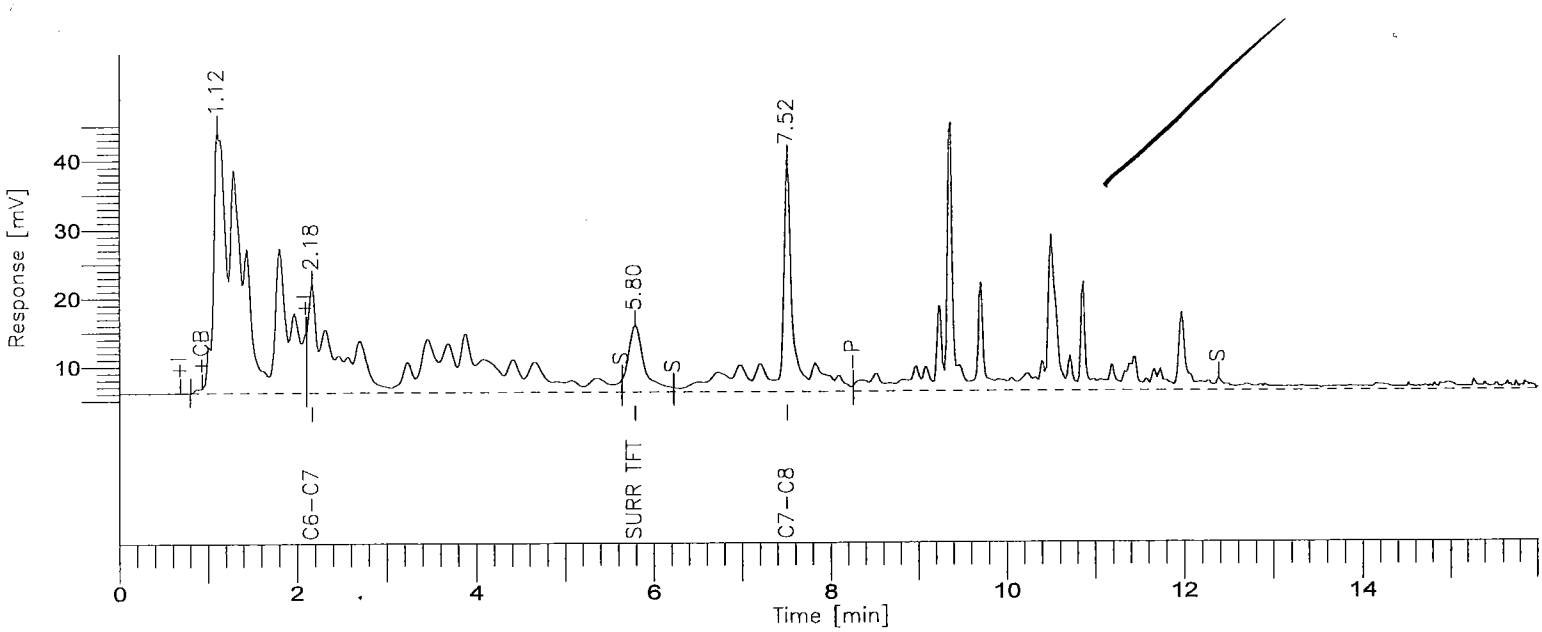
Channel : A A/D mV Range : 1000

Interface Serial # : 0269512307 Data Acquisition Time: 10/5/00 04:52 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O05A003.RAW
Result File : C:\TC4\GC15\O05A003.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O05A003.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8
Calib Method : C:\TC4\GC15\METHODS\925C6-C8
Sequence File : C:\TC4\GC15\O05.SEQ

Sample Volume : 1.0000 ml
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

000787

BOE-C6-0149205

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	QC Spike (ppm)	QC % REC	FN	Raw Amount (ppm)
5.80	SURR TFT	124058	0.2193	0.2000	109.6		0.0439
7.52	GASOLINE RANGE	1230969	5.4341	5.0000	108.7		1.0868
		1355027					1.1307

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	QC Spike (ppm)	QC % REC	FN	Raw Amount (ppm)
2.18	C6-C7	818038	5.8228	0.0000	-----		1.1646
7.52	C7-C8	412931	4.8135	0.0000	-----		0.9627
		1230969					2.1273

Report stored in ASCII file: C:\TC4\GC15\O05A003.TX0

Lot/Sample: E0J030150-024 C-2-46-5 TICs.....: N Report Results: Y
WO#.....: DLFKA-1-03 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 15 KJ 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/05/00
Inject Time..: 18:43 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O05A005
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/02/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/09 14:05:46
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/05-10/06/00
QC Batch.....: 0283409
MS Run Number: 0283181
Prep Time....: 0:00- 0:00
Init Wgt/Vol.: 1 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: Amt..:
Exchange Solv: Amt..:
Spike....:
Surrogate: TFT

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05134	C6-C8			0.1564 B	1	0.1	J	J,B

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
03185	a,a,a-Trifluorotoluene (TFT		0.2	0.1618	80.9		

Notes:

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

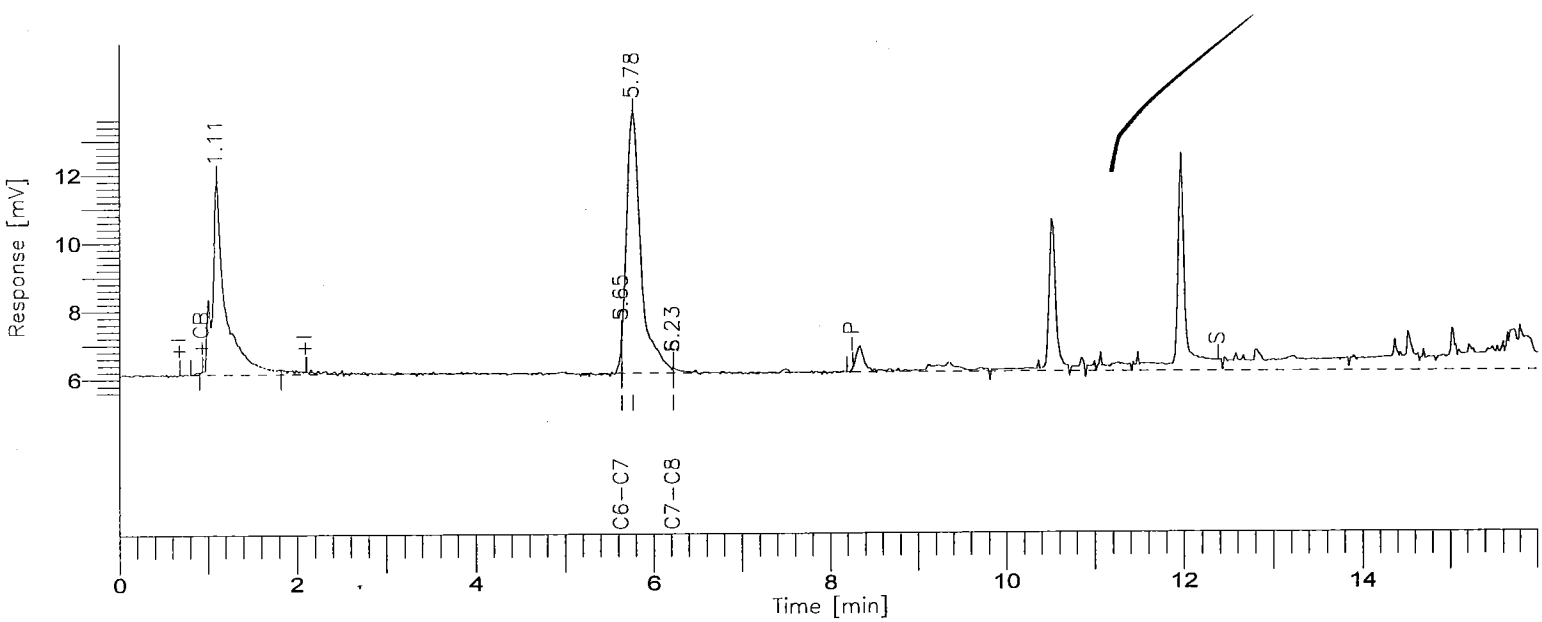
Software Version: 4.1<2F12>
Sample Name : j030150-24 Time : 10/5/00 06:59 PM
Sample Number: 150-24 Study : low soil
Operator :

Instrument : GC15 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 0269512307 Data Acquisition Time: 10/5/00 06:43 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O05A005.RAW
Result File : C:\TC4\GC15\O05A005.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O05A005.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8
Calib Method : C:\TC4\GC15\METHODS\925C6-C8
Sequence File : C:\TC4\GC15\O05.SEQ

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



8015B(TVPH)

GC-15/FID COLUMN: DB624

000790

BOE-C6-0149208

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.65	GASOLINE RANGE	3133	0.1564	-----	1.00		0.0313
5.78	SURR TFT	85133	0.1618	80.9	0.00		0.0324
		88266					0.0636

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.65	C6-C7	2720	0.1229	-----	0.00		0.0246
6.23	C7-C8	413	0.2097	-----	0.00		0.0419
		3133					0.0665

[illegible] - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O05A005.TX0

Lot/Sample: E0J030233-001 DP0080 SSH01314 TICs.....: N Report Results: Y
WO#.....: DLGAH-1-03 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 15 KJ 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/05/00
Inject Time..: 19:11 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O05A006
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/02/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/09 14:06:12
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/05-10/06/00
QC Batch.....: 0283409
MS Run Number: 0283181
Prep Time....: 0:00- 0:00
Init Wgt/Vol.: 1 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: Amt..:
Exchange Solv: Amt..:
Spike....:
Surrogate: TFT

Total Solids..: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05134	C6-C8			0.1660 B	1	0.1	J	J,B
04273	Gasoline Range Organics	*		NA	1	0.1		NA
04863	Gasoline Range Organics	*		NA	1	0.1		NA
02909	TPH (as Gasoline)	*		NA	1	0.1		NA

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
03185	a,a,a-Trifluorotoluene (TFT		0.2	0.1498	74.9		

Notes:

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

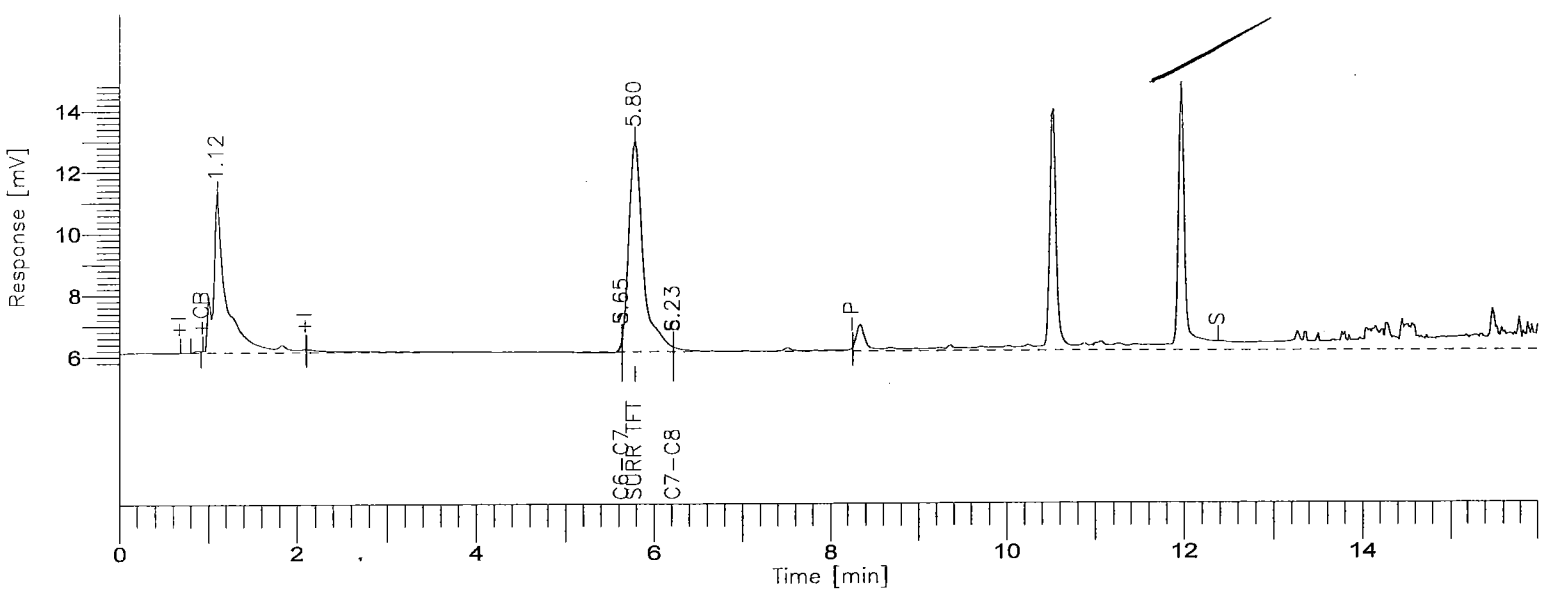
Software Version: 4.1<2F12>
Sample Name : j030233-1 Time : 10/5/00 07:27 PM
Sample Number: j030233-1 Study : low soil
Operator :

Instrument : GC15 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 0269512307 Data Acquisition Time: 10/5/00 07:11 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O05A006.RAW
Result File : C:\TC4\GC15\O05A006.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O05A006.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8
Calib Method : C:\TC4\GC15\METHODS\925C6-C8
Sequence File : C:\TC4\GC15\O05.SEQ

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



8015B(TVPH)

GC-15/FID COLUMN: DB624

000793

BOE-C6-0149211

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.65	GASOLINE RANGE	5384	0.1660	-----	1.00		0.0332
5.80	SURR TFT	76958	0.1498	74.9	0.00		0.0300
		82342					0.0632

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.65	C6-C7	2449	0.1210	-----	0.00		0.0242
6.23	C7-C8	2935	0.2379	-----	0.00		0.0476
		5384					0.0718

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\005A006.TX0

Lot/Sample: E0J030233-001S DP0080 SSH01314 TICs.....: N Report Results: Y
WO#.....: DLGAH-1-0U Est. Results: Sig Fig Alg...: A
SAC.....: XX A 15 KJ 01 Dry Weight..: Upload.....: Y
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/06/00
Inject Time..: 4:43 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O05A026
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/02/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/04 14:49:55
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/05-10/06/00
QC Batch.....: 0283409
MS Run Number: 0283181
Prep Time....: 0:00- 0:00
Init Wgt/Vol.: 1 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: Amt..:
Exchange Solv: Amt..:
Spike....: GASOLINE
Surrogate: TFT

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Spike Amount	Measured Amount	%REC	%RPD	Data Qual	Report Qual
04273	Gasoline Range Organics			5.0	NA	0	0		NA
	Sample amount: NA								
04863	Gasoline Range Organics			5.0	NA	0	0		NA
	Sample amount: NA								
02909	TPH (as Gasoline)			5.0	6.0894	121.7	1.58		
	Sample amount: NA								

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
03185	a,a,a-Trifluorotoluene (TFT		0.2	0.2100	105		

Software Version: 4.1<2F12>
Sample Name : 233-1ms
Sample Number: 233-1ms
Operator :

Time : 10/6/00 04:59 AM
Study : low soil

Instrument : GC15
AutoSampler :
Rack/Vial : 0/0

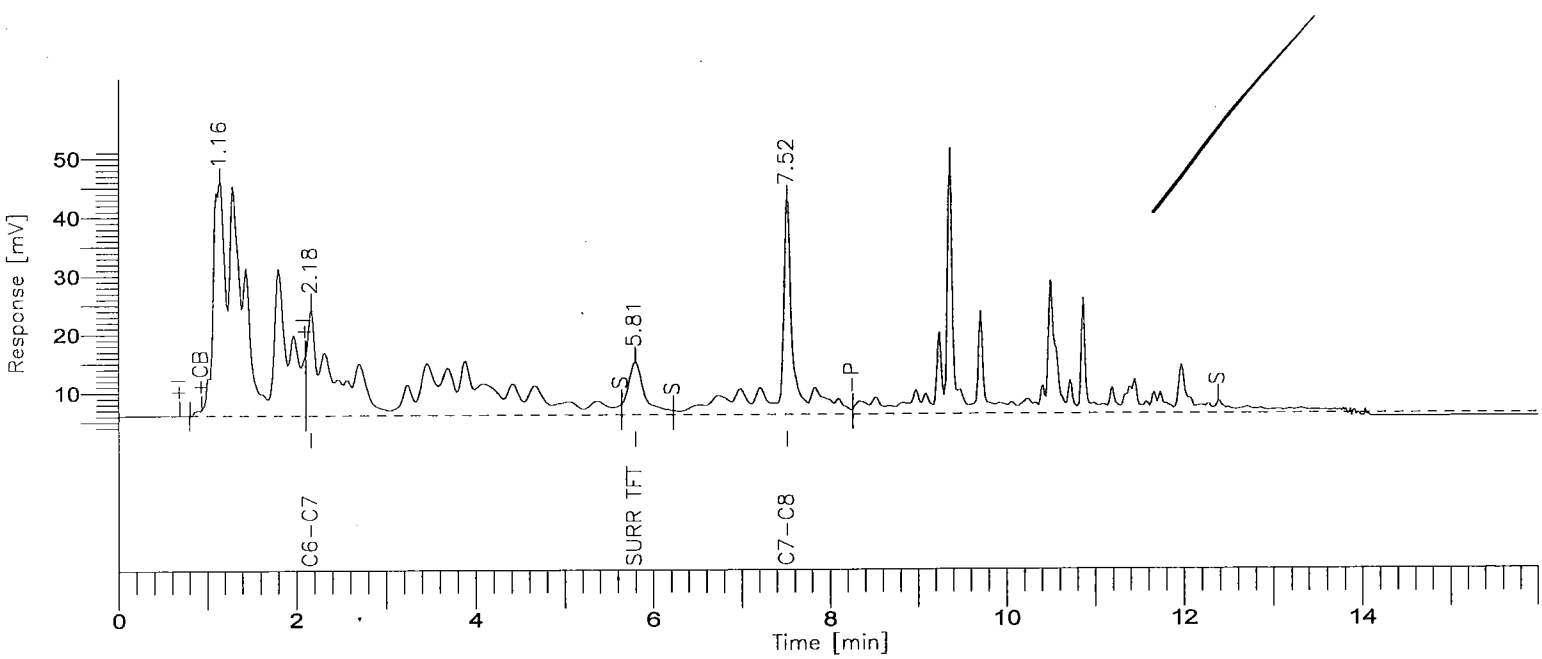
Channel : A A/D mV Range : 1000

Interface Serial # : 0269512307 Data Acquisition Time: 10/6/00 04:43 AM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O05A026.RAW
Result File : C:\TC4\GC15\O05A026.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O05A026.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8
Calib Method : C:\TC4\GC15\METHODS\925C6-C8
Sequence File : C:\TC4\GC15\O05.SEQ

Sample Volume : 1.0000 ml
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	QC Spike (ppm)	QC % REC	FN	Raw Amount (ppm)
5.81	SURR TFT	117785	0.2100	0.2000	105.0		0.0420
7.52	GASOLINE RANGE	1383433	6.0894	5.0000	121.8		1.2179
		1501218					1.2599

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	QC Spike (ppm)	QC % REC	FN	Raw Amount (ppm)
2.18	C6-C7	926331	6.5798	0.0000	-----		1.3160
7.52	C7-C8	457102	5.3065	0.0000	-----		1.0613
		1383433					2.3773

Report stored in ASCII file: C:\TC4\GC15\O05A026.TXO

Lot/Sample: E0J030233-001D DP0080 SSH01314 TICs.....: N Report Results: Y
WO#.....: DLGAH-1-0V Est. Results: Sig Fig Alg...: A
SAC.....: XX A 15 KJ 01 Dry Weight..: Upload.....: Y
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/06/00
Inject Time..: 5:11 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O05A027
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/02/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/04 14:49:56
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/05-10/06/00
QC Batch.....: 0283409
MS Run Number: 0283181
Prep Time....: 0:00- 0:00
Init Wgt/Vol.: 1 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: Amt..:
Exchange Solv: Amt..:
Spike....: GASOLINE
Surrogate: TFT

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Spike Amount	Measured Amount	%REC	%RPD	Data Qual	Report Qual
04273	Gasoline Range Organics			5.0	NA	0	0		NA
	Sample amount: NA								
04863	Gasoline Range Organics			5.0	NA	0	0		NA
	Sample amount: NA								
02909	TPH (as Gasoline)			5.0	6.1868	123.7	1.58		
	Sample amount: NA								

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
03185	a,a,a-Trifluorotoluene (TFT		0.2	0.2194	109.7		

Software Version: 4.1<2F12>
Sample Name : 233-1msd
Sample Number: 233-1msd
Operator :

Time : 10/6/00 05:27 AM
Study : low soil

Instrument : GC15
AutoSampler :
Rack/Vial : 0/0

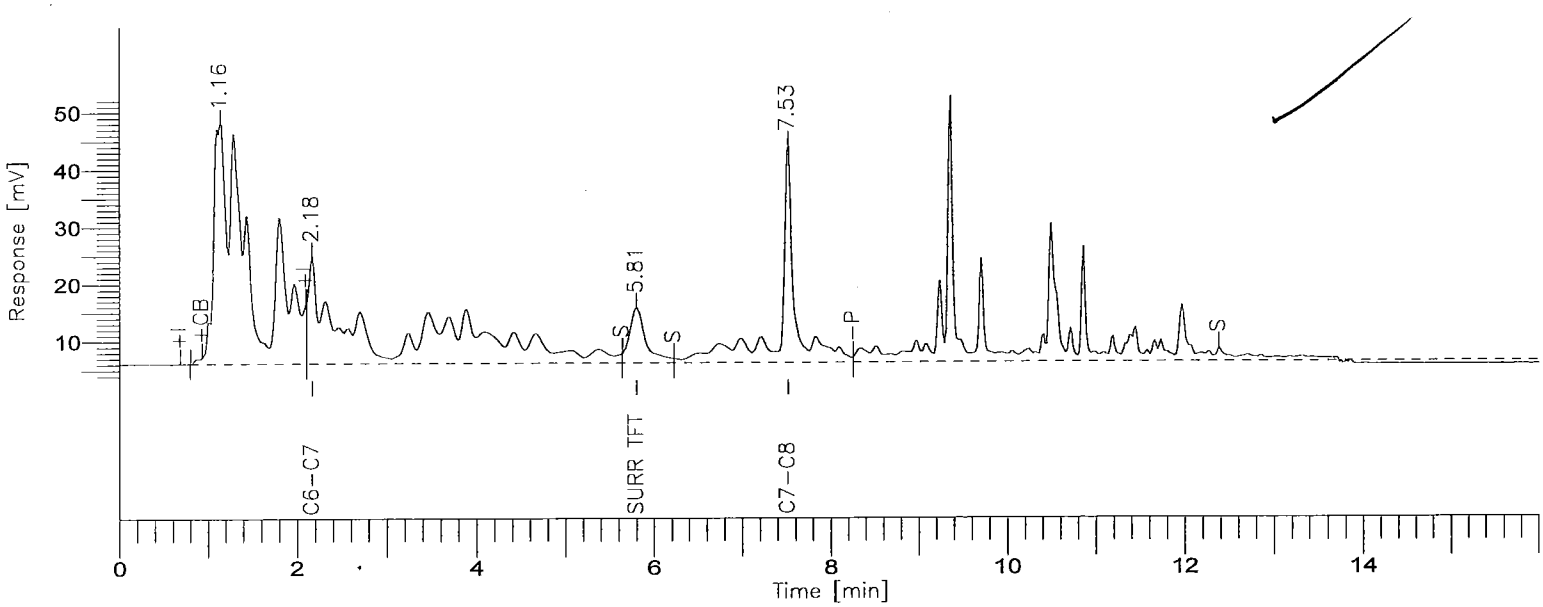
Channel : A A/D mV Range : 1000

Interface Serial # : 0269512307 Data Acquisition Time: 10/6/00 05:11 AM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O05A027.RAW
Result File : C:\TC4\GC15\O05A027.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O05A027.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8
Calib Method : C:\TC4\GC15\METHODS\925C6-C8
Sequence File : C:\TC4\GC15\O05.SEQ

Sample Volume : 1.0000 ml
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

000799

BOE-C6-0149217

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	QC Spike (ppm)	QC % REC	FN	Raw Amount (ppm)
5.81	SURR TFT	124157	0.2194	0.2000	109.7		0.0439
7.53	GASOLINE RANGE	1406092	6.1868	5.0000	123.7		1.2374
		1530249					1.2812

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	QC Spike (ppm)	QC % REC	FN	Raw Amount (ppm)
2.18	C6-C7	944763	6.7087	0.0000	-----		1.3417
7.53	C7-C8	461329	5.3537	0.0000	-----		1.0707
		1406092					2.4125

[illegible] - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O05A027.TXO

INITIAL CALIBRATION DATA

Date Analyzed: 9-25-00

Instrument ID: G15 C6-C8

BOE-C6-0149219

Turbochrom Method File : C:\TC4\GC15\METHODS\925C6-C8.MTH
Created by : ps on : 9/25/00 08:45 PM
Edited by : JKA on : 9/25/00 08:52 PM
Description :

Number of Times Edited : 2
Number of Times Calibrated : 188

Instrument Conditions :
PURGEABLE AROMATIC HYDROCARBONS

Instrument Control Method:
Instrument name : GC15

Interface Parameters :
Delay Time : 0.00 min.
Run Time : 16.00 min.
Sampling Rate : 1.0000 pts/s
Interface Type : 9092
Analog Voltage Input : 1000 mV
Data will be collected from channel A

Timed Events:
There are no timed events in the method

Real Time Plot Parameters :
Channel A -- Pages: 1 Offset: 0.000 mV Scale: 1000.000 mV
Channel B -- Pages: 1 Offset: 0.000 mV Scale: 1000.000 mV

Processing Parameters :
Bunch Factor : 1 points
Noise Threshold : 100 µV
Area Threshold : 499.00 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 - +I at 0.699
Event #2 - +HF at 0.819
Event #3 - +CB at 0.951
Event #4 - +I at 2.111
Event #5 - S at 2.122
Event #6 - S at 5.652
Event #7 - S at 6.070

000802

Event #8 - S at 7.717
Event #9 - -P at 8.267
Event #10 - S at 12.384

Rotated Replot Parameters :
No replot will be printed

Report Format files :
No report format files given

User Programs :
User Program #1 : C:\TC4\GC15\RST_READ.EXE
Command Line : $RST
Entry Point : Post Analysis
Synchronize : NO

Global Information :
Default Sample Volume : 1.000 ml
Quantitation Units : ppm
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 :
SOLV PK
Component Type : Single Peak Component
Retention Time : 1.182 min Search Window: 0.00 s, 3.00 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 0.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	0.5000	150717.00	9094.41	----------	----------	1
2	5.0000	268073.00	16073.28	----------	----------	1
3	10.0000	518863.00	26042.32	----------	----------	1
4	60.0000	892419.00	40947.22	----------	----------	1
5	100.0000	1501200.00	65378.77	----------	----------	1

Average Calibration Factor = 87364.110000 (%RSD = 138.68)

C6-C7
Component Type : Single Peak Component
Retention Time : 2.236 min Search Window: 51.00 s, 40.00 %
Reference Component:
Find largest peak in window

000803

Calibrating Area versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: None
User Values:

Label :
Value 1: 0.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Value 6: 0.000000
Value 7: -1.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	0.0500	39714.00	515.34	----------	----------	1
2	0.2000	137523.00	2159.47	----------	----------	1
3	0.5000	355269.00	5696.00	----------	----------	1
4	1.0000	702561.00	11364.61	----------	----------	1
5	2.0000	1347821.00	21845.19	----------	----------	1
6	5.0000	3586046.00	58414.46	----------	----------	1

Calibration Curve : y = (-14865.104974) + (715214.243411)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.999353

SURR TFT

Component Type : Single Peak Component
Retention Time : 5.918 min Search Window: 1.00 s, 4.00 %
Reference Component:
Find largest peak in window
Calibrating Area versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: None
User Values:

Label :
Value 1: 0.000000
Value 2: 0.040000
Value 3: 0.040000
Value 4: 0.000000
Value 5: 2.000000
Value 6: 0.000000
Value 7: 108.018306

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	0.0100	16940.00	1580.01	----------	----------	1
2	0.0200	38364.00	3408.57	----------	----------	1
3	0.0300	71254.00	5925.39	----------	----------	1
4	0.0400	110745.00	8711.38	----------	----------	1
5	0.0600	182197.00	13691.58	----------	----------	1

Calibration Curve : y = (-24465.837838) + (3386432.432432)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.992543

C7-C8

Component Type : Single Peak Component
Retention Time : 7.577 min Search Window: 99.00 s, 55.00 %
Reference Component:
Find largest peak in window

Calibrating Area versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: None
User Values:

Label :
Value 1: 0.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Value 6: 0.000000
Value 7: -1.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	0.0500	20954.00	1809.05	----------	----------	1
2	0.2000	78991.00	7165.63	----------	----------	1
3	0.5000	212228.00	19723.04	----------	----------	1
4	1.0000	429143.00	40745.25	----------	----------	1
5	2.0000	828059.00	79162.10	----------	----------	1
6	5.0000	2240510.00	216122.80	----------	----------	1

Calibration Curve : y = (-18378.724838) + (448017.982746)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.999090

GASOLINE RANGE

Component Type : Named Group
Group Members:
C6-C7
C7-C8

Calibrating Area versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: None
User Values:

Label :
Value 1: 0.100000
Value 2: 0.000000
Value 3: 1.000000
Value 4: 0.000000
Value 5: 0.000000
Value 6: 0.100000
Value 7: -1.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	0.0500	60668.00	2324.39	----------	----------	1
2	0.2000	216514.00	9325.10	----------	----------	1
3	0.5000	567497.00	25419.04	----------	----------	1
4	1.0000	1131704.00	52109.86	----------	----------	1
5	2.0000	2175880.00	101007.29	----------	----------	1
6	5.0000	5826556.00	274537.26	----------	----------	1

Calibration Curve : y = (-33243.829812) + (1163232.226157)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.999258

Software Version: 4.1<2F12>
Sample Name : 50/10PPB GAS/TFT
Sample Number: 50PPB GAS
Operator :

Time : 9/25/00 08:48 PM
Study :

Instrument : GC15
AutoSampler :
Rack/Vial : 0/0

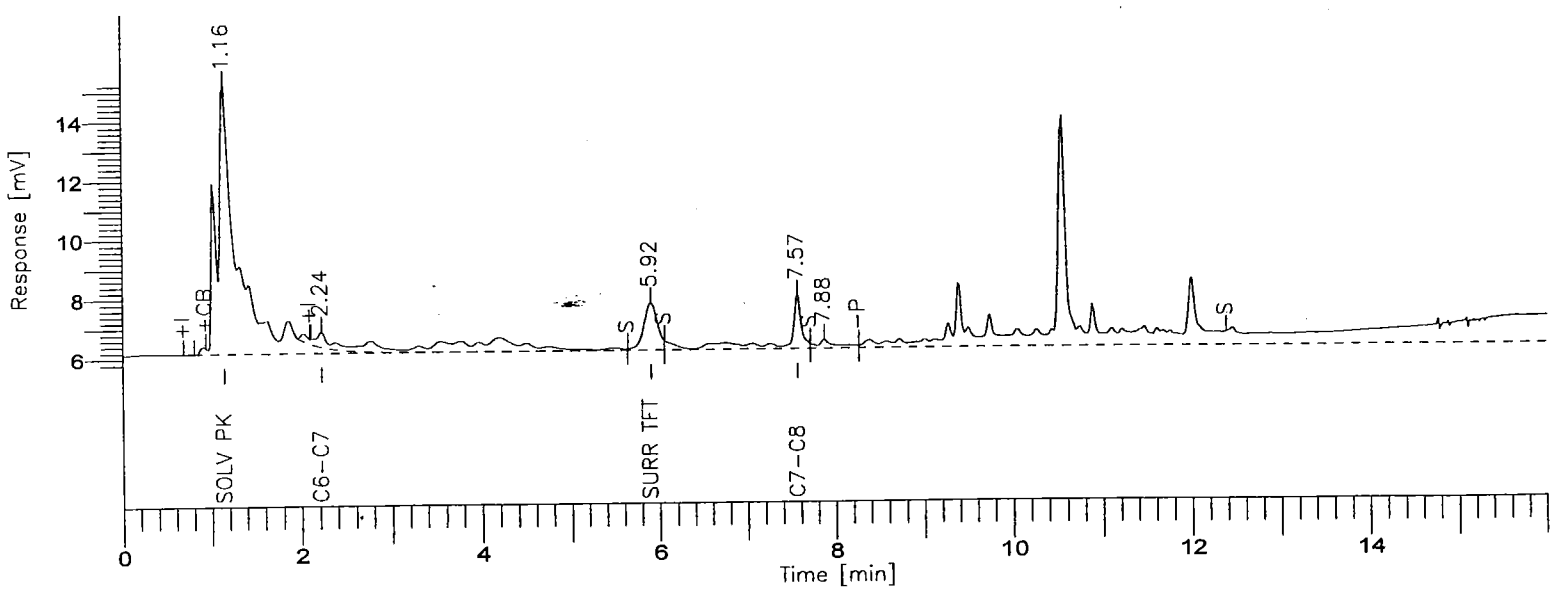
Channel : A A/D mV Range : 1000

Interface Serial # : 0269512307 Data Acquisition Time: 9/25/00 05:28 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\925A003.RAW
Result File : C:\TC4\GC15\925A003.RST
Inst Method : C:\TC4\GC15\METHODS\714GAS from C:\TC4\GC15\925A003.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Calib Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Sequence File : C:\TC4\GC15\925A.SEQ

Sample Volume : 1.0000 ml
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

000806

BOE-C6-0149224

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount
1.16	SOLV PK	150717	1.5946	-----	0.00		1.5946
5.92	SURR TFT	16940	0.0050	12.4	0.00		0.0050
7.57	GASOLINE RANGE	60668	-0.0025	-----	0.10		-0.0025
		228325					1.5971

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount
2.24	C6-C7	39714	-0.0115	-----	0.00		-0.0115
7.57	C7-C8	20954	0.0131	-----	0.00		0.0131
		60668					0.0016

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\925A003.TX0

Software Version: 4.1<2F12>
Sample Name : 200/20PPB GAS/TFT
Sample Number: 200PPB GAS
Operator :

Time : 9/25/00 08:48 PM
Study :

Instrument : GC15
AutoSampler :
Rack/Vial : 0/0

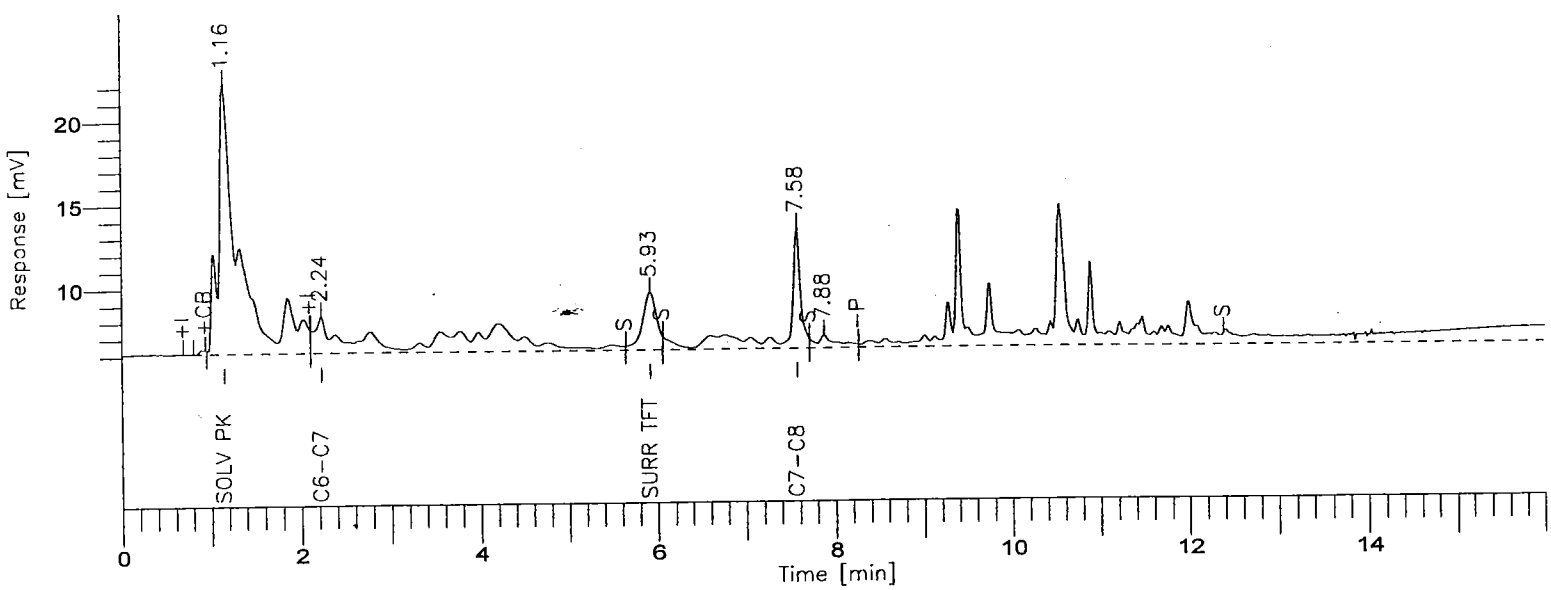
Channel : A A/D mV Range : 1000

Interface Serial # : 0269512307 Data Acquisition Time: 9/25/00 05:56 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\925A004.RAW
Result File : C:\TC4\GC15\925A004.RST
Inst Method : C:\TC4\GC15\METHODS\714GAS from C:\TC4\GC15\925A004.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Calib Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Sequence File : C:\TC4\GC15\925A.SEQ

Sample Volume : 1.0000 ml
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

000808

BOE-C6-0149226

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount
1.16	SOLV PK	268073	2.9451	-----	0.00		2.9451
5.93	SURR TFT	38364	0.0184	46.0	0.00		0.0184
7.58	GASOLINE RANGE	216514	0.1546	-----	0.10		0.1546
		522951					3.1181

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount
2.24	C6-C7	137523	0.1457	-----	0.00		0.1457
7.58	C7-C8	78991	0.1700	-----	0.00		0.1700
		216514					0.3157

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\925A004.TX0

Software Version: 4.1<2F12>
Sample Name : 500/30PPB GAS/TFT
Sample Number: 500PPB GAS
Operator :

Time : 9/25/00 08:48 PM
Study :

Instrument : GC15
AutoSampler :
Rack/Vial : 0/0

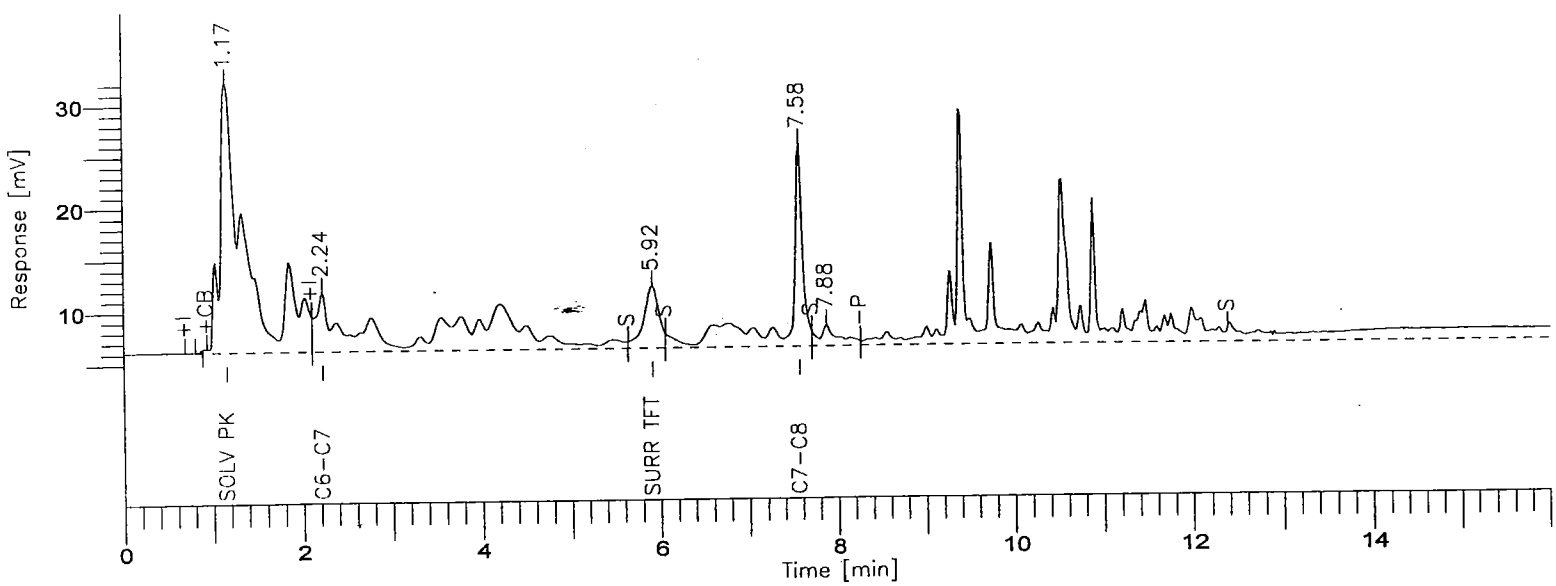
Channel : A A/D mV Range : 1000

Interface Serial # : 0269512307 Data Acquisition Time: 9/25/00 06:25 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\925A005.RAW
Result File : C:\TC4\GC15\925A005.RST
Inst Method : C:\TC4\GC15\METHODS\714GAS from C:\TC4\GC15\925A005.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Calib Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Sequence File : C:\TC4\GC15\925A.SEQ

Sample Volume : 1.0000 ml
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

000810

BOE-C6-0149228

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount
1.17	SOLV PK	518863	5.8742	-----	0.00		5.8742
5.92	SURR TFT	71254	0.0306	76.5	0.00		0.0306
7.58	GASOLINE RANGE	567497	0.4755	-----	0.10		0.4755
		1157614					6.3803

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount
2.24	C6-C7	355269	0.4642	-----	0.00		0.4642
7.58	C7-C8	212228	0.4950	-----	0.00		0.4950
		567497					0.9592

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\925A005.TX0

Software Version: 4.1<2F12>
Sample Name : 1000/40PPB GAS/TFT
Sample Number: 1000PPB
Operator :

Time : 9/25/00 08:48 PM
Study :

Instrument : GC15
AutoSampler :
Rack/Vial : 0/0

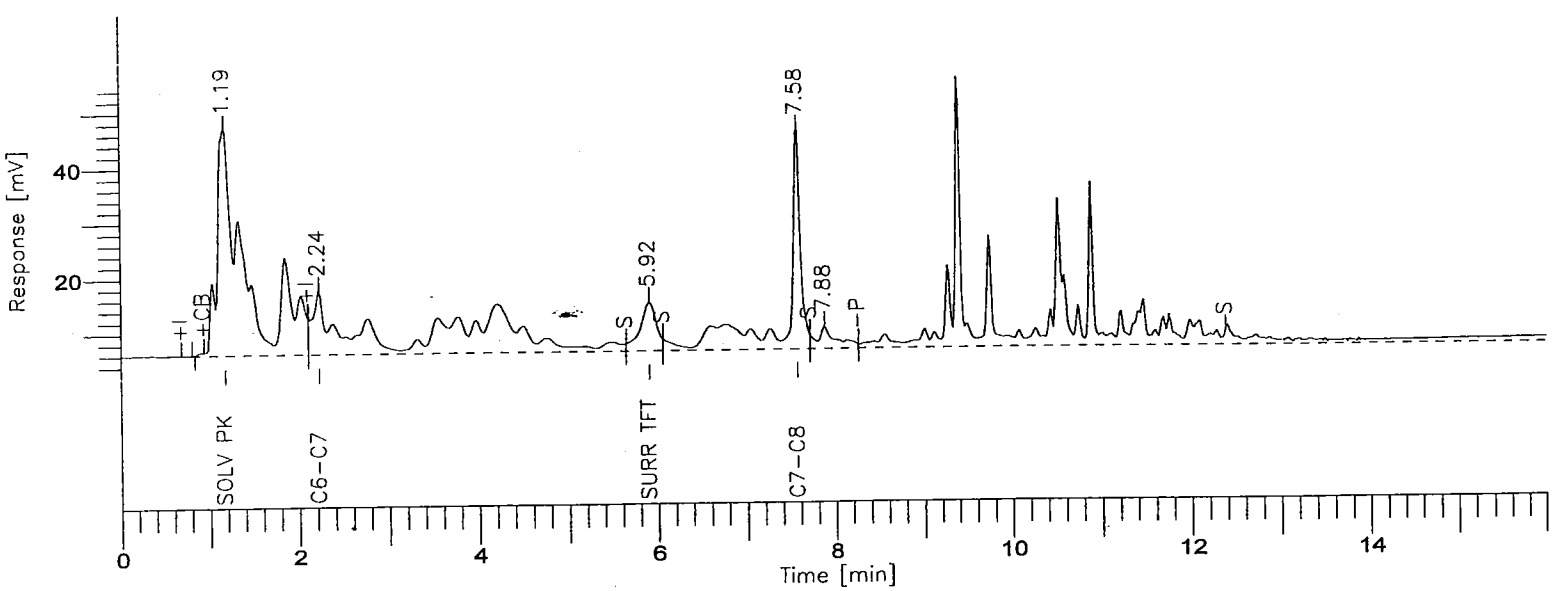
Channel : A A/D mV Range : 1000

Interface Serial # : 0269512307 Data Acquisition Time: 9/25/00 06:56 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\925A006.RAW
Result File : C:\TC4\GC15\925A006.RST
Inst Method : C:\TC4\GC15\METHODS\714GAS from C:\TC4\GC15\925A006.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Calib Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Sequence File : C:\TC4\GC15\925A.SEQ

Sample Volume : 1.0000 ml
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount
1.19	SOLV PK	892419	10.1584	-----	0.00		10.1584
5.92	SURR TFT	110745	0.0418	104.5	0.00		0.0418
7.57	GASOLINE RANGE	1131704	0.9725	-----	0.10		0.9725
		2134868					11.1727

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount
2.24	C6-C7	702561	0.9542	-----	0.00		0.9542
7.57	C7-C8	429143	1.0043	-----	0.00		1.0043
		1131704					1.9585

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\925A006.TX0

Software Version: 4.1<2F12>
Sample Name : 2000/60PPB GAS/TFT
Sample Number: 2000PPB
C. rator :

Time : 9/25/00 08:48 PM
Study :

Instrument : GC15
AutoSampler :
Rack/Vial : 0/0

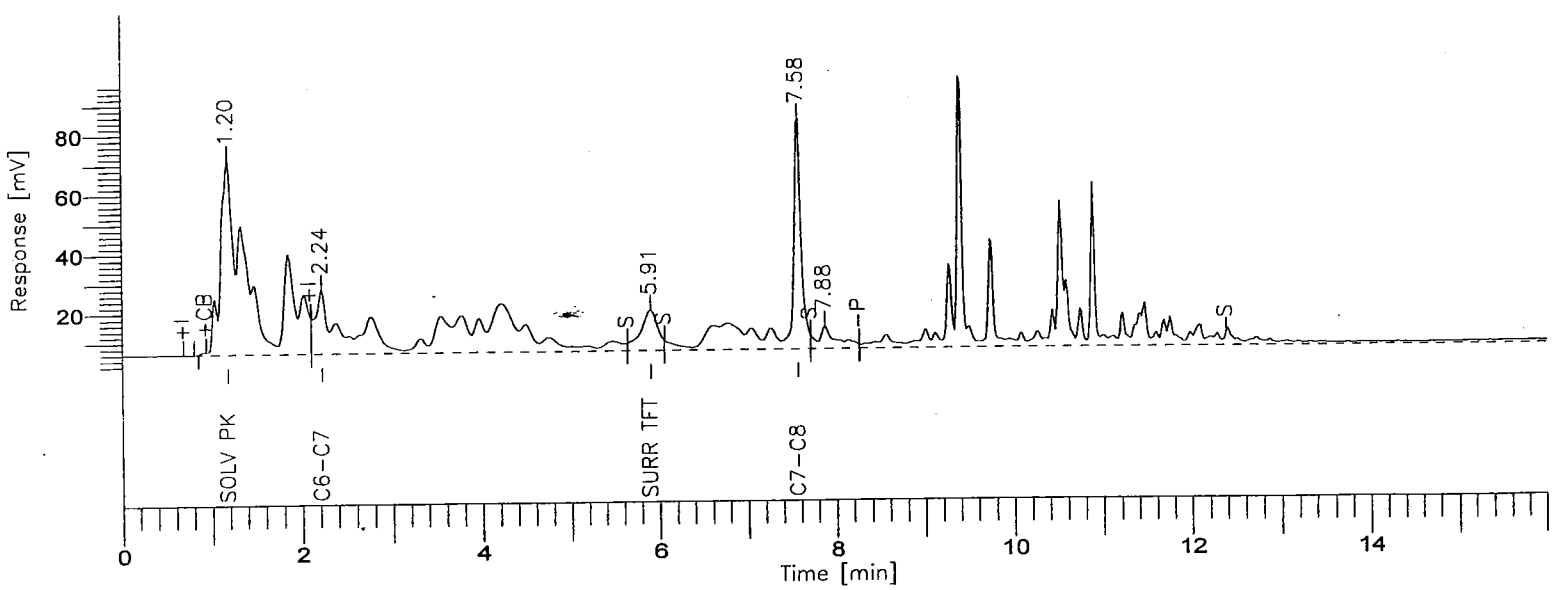
Channel : A A/D mV Range : 1000

Interface Serial # : 0269512307 Data Acquisition Time: 9/25/00 07:25 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\925A007.RAW
Result File : C:\TC4\GC15\925A007.RST
Inst Method : C:\TC4\GC15\METHODS\714GAS from C:\TC4\GC15\925A007.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Calib Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Sequence File : C:\TC4\GC15\925A.SEQ

Sample Volume : 1.0000 ml
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount
1.20	SOLV PK	1501200	17.1833	-----	0.00		17.1833
5.91	SURR TFT	182197	0.0574	143.4	0.00		0.0574
7.58	GASOLINE RANGE	2175880	1.8831	-----	0.10		1.8831
		3859277					19.1237

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount
2.23	C6-C7	1347821	1.8530	-----	0.00		1.8530
7.58	C7-C8	828059	1.9351	-----	0.00		1.9351
		2175880					3.7881

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\925A007.TX0

Software Version: 4.1<2F12>
Sample Name : 5000/80PPB GAS/TFT
Sample Number: 5000PPB
Operator :

Time : 9/25/00 08:48 PM
Study :

Instrument : GC15
AutoSampler :
Rack/Vial : 0/0

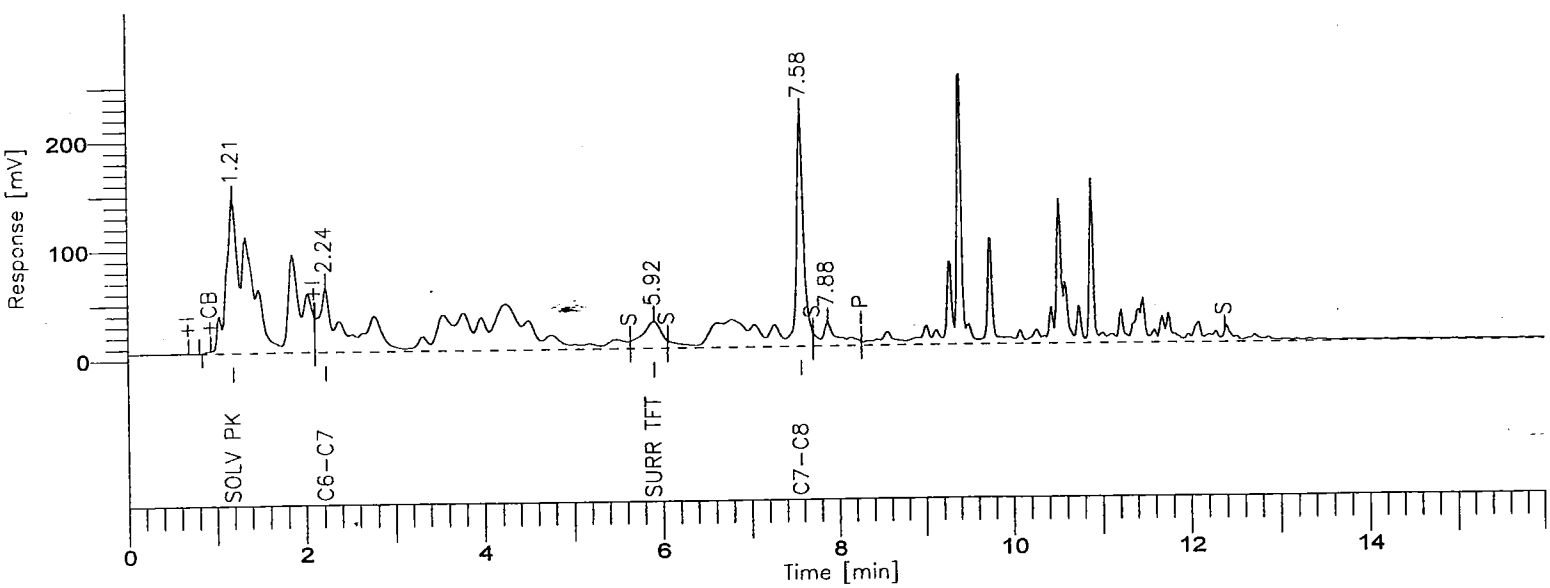
Channel : A A/D mV Range : 1000

Interface Serial # : 0269512307 Data Acquisition Time: 9/25/00 07:53 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\925A008.RAW
Result File : C:\TC4\GC15\925A008.RST
Inst Method : C:\TC4\GC15\METHODS\714GAS from C:\TC4\GC15\925A008.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Calib Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Sequence File : C:\TC4\GC15\925A.SEQ

Sample Volume : 1.0000 ml
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount
1.20	SOLV PK	3456286	39.5619	-----	0.00		39.5619
5.92	SURR TFT	364654	0.0810	202.5	0.00		0.0810
7.58	GASOLINE RANGE	5826556	5.0375	-----	0.10		5.0375
		9647496					44.6804

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount
2.24	C6-C7	3586046	5.0347	-----	0.00		5.0347
7.58	C7-C8	2240510	5.0420	-----	0.00		5.0420
		5826556					10.0767

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\925A008.TX0

Turbochrom Sequence File : C:\TC4\GC15\925A.SEQ
Created by : JKA on : 9/25/00 04:35 PM
Edited by : JKA on : 9/25/00 08:55 PM
Description : TVPH BY PURGE AND TRAP BY METHOD 8015B

TVPH STD: #122-2
TVPH QC SPIKE: #121-1
SURROGATE (TFT): #117-1-A

Number of Times Edited : 3

Sequence File Header Information:

Number of Rows : 30
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	9/25/00	BLK	9/25/00	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
2	Sample	RT MARKER	RT MARKER		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
3	Cal:Replace	50/10PPB GAS/TF	50PPB GAS		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
4	Cal:Replace	200/20PPB GAS/T	200PPB GAS		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
5	Cal:Replace	500/30PPB GAS/T	500PPB GAS		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
6	Cal:Replace	1000/40PPB GAS/	1000PPB		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
7	Cal:Replace	2000/60PPB GAS/	2000PPB		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
8	Cal:Replace	5000/80PPB GAS/	5000PPB		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
	Sample	2ND SOURCE VERI	2ND SOURCE		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
	Sample	BLK-S	BLK	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
11	Sample	MDL STUDY - 50P	REPL#1	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
12	Sample	MDL STUDY - 50P	REPL#2	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
13	Sample	MDL STUDY - 50P	REPL#3	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
14	Sample	MDL STUDY - 50P	REPL#4	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
15	Sample	MDL STUDY - 50P	REPL#5	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
16	Sample	MDL STUDY - 50P	REPL#6	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
17	Sample	MDL STUDY - 50P	REPL#7	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
18	Sample	GASCCV			1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
19	Sample	GASCCV			1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
20	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
21	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
22	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
23	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
24	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
25	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
26	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
27	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
28	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
29	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
30	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000

Software Version: 4.1<2F12>
Sample Name : 9/25/00
Sample Number: BLK
Operator :

Time : 9/25/00 05:11 PM
Study : 9/25/00

Instrument : GC15
AutoSampler :
Rack/Vial : 0/0

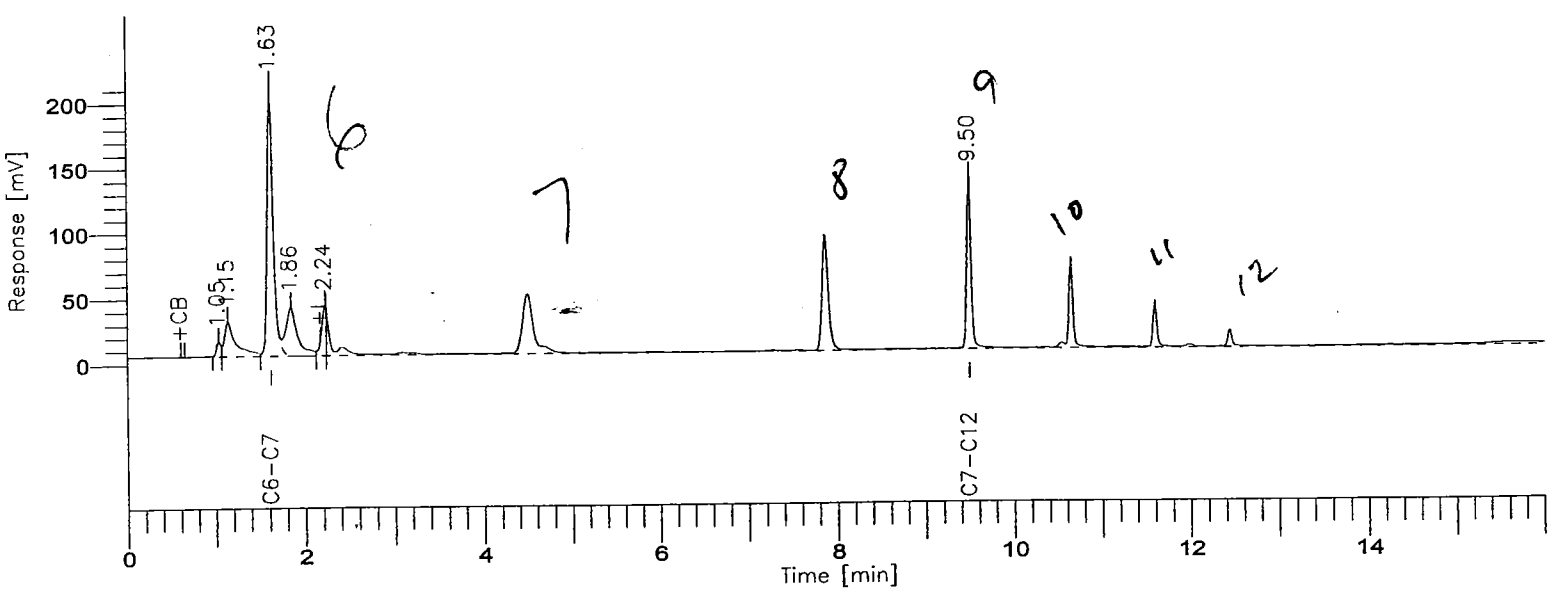
Channel : A A/D mV Range : 1000

Interface Serial # : 0269512307 Data Acquisition Time: 9/25/00 04:55 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\925A001.RAW
Result File : C:\TC4\GC15\925A001.RST
Inst Method : C:\TC4\GC15\METHODS\714GAS from C:\TC4\GC15\925A001.RST
Proc Method : C:\TC4\GC15\METHODS\714GAS
Calib Method : C:\TC4\GC15\METHODS\714GAS
Sequence File : C:\TC4\GC15\925A.SEQ

Sample Volume : 1.0000 ml
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

000819

BOE-C6-0149237

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount
1.63	GASOLINE RANGE	3138229	1.5021	-----	0.10		1.5021
		3138229					1.5021

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount
1.63	C6-C7	952915	1.1505	-----	0.00		1.1505
9.50	C7-C12	2185314	1.7278	-----	0.00		1.7278
		3138229					2.8783

TL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\925A001.TX0

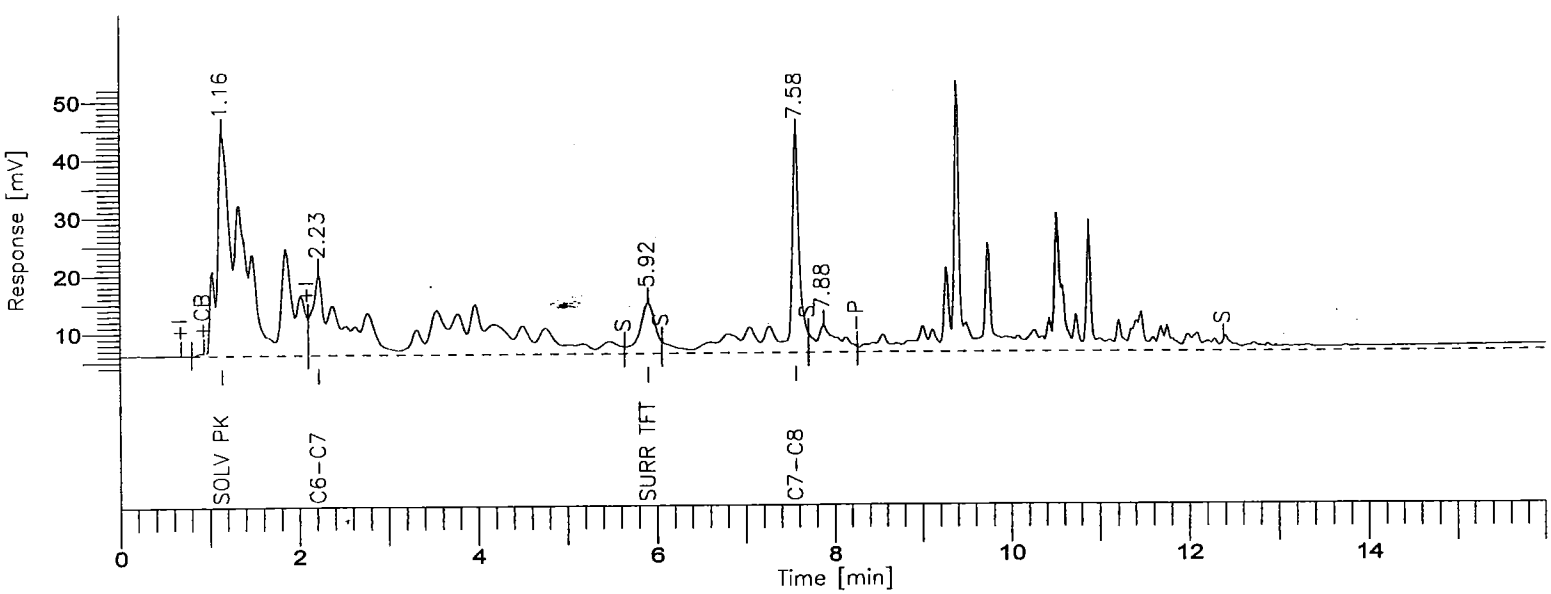
Software Version: 4.1<2F12>
Sample Name : 2ND SOURCE VERIFICATION Time : 9/25/00 08:52 PM
Sample Number: 2ND SOURCE Study :
Operator :

Instrument : GC15 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 0269512307 Data Acquisition Time: 9/25/00 08:22 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\925A009.RAW
Result File : C:\TC4\GC15\925A009.RST
Inst Method : C:\TC4\GC15\METHODS\714GAS from C:\TC4\GC15\925A009.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8.MTH
Calib Method : C:\TC4\GC15\METHODS\925C6-C8.MTH
Sequence File : C:\TC4\GC15\925A.SEQ

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



8015B(TVPH)

GC-15/FID COLUMN: DB624

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
1.16	SOLV PK	902740	10.3331	0.0000	-----
5.92	SURR TFT	104606	0.0381	0.0400	-4.7
7.57	GASOLINE RANGE	1208459	1.0675	1.0000	6.7
		2215805			

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
2.23	C6-C7	820142	1.1675	0.0000	-----
7.57	C7-C8	388317	0.9078	0.0000	-----
		1208459			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\925A009.TX0

TEPH

LEVEL III

C8 TO C40+

BOE-C6-0149241

TEPH

SAMPLE AND QC DATA

$C_8 \rightarrow C_{40}^+$

Date(s) Analyzed: 10-11, 12-00

Instrument ID: GC1 GC2 GC3

Lab #: EOJ030150

Batch #: 0278369

Samples: B, C, 1, 15, 10, 3, 4, 5, 7, 9, 10, 17, 19, 20, 22, 23, 24, 26, 27, 28

EXTRACTION NOTES

BOE-C6-0149243

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

10/9

Run Date: 10/04/00
Time: 14:47:08

LEV 1	LEV 2		LEV 1	LEV 2	
Y	Y	Blank	Y	Y	Weights/Volumes
Y	Y	Check	Y	Y	Spike & Surrogate Worksheet
Y	Y	MS/MSD	Y	Y	Vial contains correct volume
			Y	Y	Labels, greenbars, worksheets computer batch: correct & all match
			_	_	Anomalies to Extraction Method

Expanded Deliverable
Y COC Completed
Y Bench Sheet Copied
Y Package Submitted to AnalyticalGroup
Y Bench Sheet Copied per COC

Extractionist: 355979 Cornelia Apahidean

Concentrationist: 355979 Cornelia Apahidean

Reviewer/Date: APAHIDEC / 10/04/00

QC BATCH: 0278369

PREP DATE: 10/04/00
COMP DATE: 10/04/00

Hydrocarbons, Extractable Petroleum (8015B)
EXTRACTION, SOLID/SOLVENT (Auto shaker)

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJ1	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
10/16/00	10/09/00	E0J030150-001 DLFGE-1-02	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/16/00	10/09/00	E0J030150-001 DLFGE-1-1WS	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1561-1DCS/5000PPM/1M TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/16/00	10/09/00	E0J030150-001 DLFGE-1-1XD	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1561-1DCS/5000PPM/1M TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/16/00	10/09/00	E0J030150-003 DLFGQ-1-02	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/16/00	10/09/00	E0J030150-004 DLFGV-1-02	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/16/00	10/09/00	E0J030150-005 DLFHQ-1-02	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/16/00	10/09/00	E0J030150-007 DLFHX-1-02	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															

000826

BOE-C6-0149244

e-chain

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 10/04/00
Time: 14:47:08

QC BATCH: 0278369

PREP DATE: 10/04/00
COMP DATE: 10/04/00

000827

BOE-C6-0149245

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJ1	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
10/16/00	10/09/00	E0J030150-017 **DLFJQ-1-02**	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/16/00	10/09/00	E0J030150-019 **DLFJV-1-02**	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/16/00	10/09/00	E0J030150-009 **DLFJ4-1-02**	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/16/00	10/09/00	E0J030150-010 **DLFJ6-1-02**	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/16/00	10/09/00	E0J030150-024 **DLFKA-1-02**	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/16/00	10/09/00	E0J030150-026 **DLFKE-1-02**	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/16/00	10/09/00	E0J030150-027 **DLFKG-1-02**	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/16/00	10/09/00	E0J030150-028 **DLFKJ-1-02**	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/16/00	10/09/00	E0J030150-020 **DLFK0-1-02**	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/16/00	10/09/00	E0J030150-022 **DLFK5-1-02**	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 10/04/00
Time: 14:47:08

QC BATCH: 0278369

PREP DATE: 10/04/00
COMP DATE: 10/04/00

000828

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJI	ADJ2	EXTRACTION	SOLVENTS VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
10/16/00	10/09/00	E0J030150-023 **DLFK7-1-02**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/16/00	10/09/00	E0J030162-001 **DLFLL-1-02**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/16/00	10/09/00	E0J030162-002 **DLFLR-1-02**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/16/00	10/09/00	E0J030162-003 **DLFLV-1-02**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/16/00	0/00/00	E0J040000-369 **DLJ1V-1-01B**		0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/16/00	0/00/00	E0J040000-369 **DLJ1V-1-02C**		0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1561-1DCS/5000PPM/1M TEPH1562-1SCS/250PPM/1ML
COMMENTS:															

SPKD BY: CA MECL2/T08286 NA2SO4/8024
METHOD: SOLID/SOLVENT EXTRACTION (AUTO SHAKER).
RELINQUISHED BY/DATE: CA 10-05-00 RECEIVED BY/DATE: EL 10-5-00

R = RUSH C = CLP
E = EPA 600 D = EXP.DEL)
M = CLIENT REQ MS/MSD

NUMBER OF WORK ORDERS IN BATCH: 23

BOE-C6-0149246

61	Sample	262-04	DLLGPV102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
62	Sample	262-04 MS	DLGPV10QS	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
63	Sample	262-04 MSD	DLGPV10RD	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
64	Sample	125-MB	DLM0T101B	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
65	Sample	125-LCS	DLM0T102C	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
66	Sample	125-01	DLH33102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
67	Sample	125-01 MS	DLH3310PS	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
[illegible]	Sample	125-01 MSD	DLH3310QD	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
[illegible]	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
70	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
71	Sample	162-MB	DLJ1V101B	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
72	Sample	162-LCS	DLJ1V102C	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
73	Sample	162-01	DLFLL102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
74	Sample	162-02	DLFLR102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
75	Sample	162-03	DLFLV102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
76	Sample	150-01	DLFGE102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
77	Sample	150-01 MS	DLFGE11WS	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
78	Sample	150-01 MSD	DLFGE11XD	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
79	Sample	150-03	DLFGQ102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
80	Sample	150-04	DLFGV102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
81	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
82	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
83	Sample	150-05	DLFHQ102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
84	Sample	150-07	DLFHX102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
85	Sample	150-09	DLFJ4102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
86	Sample	150-10	DLFJ6102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
87	Sample	150-17	DLFJQ102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
88	Sample	150-19	DLFJV102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
89	Sample	150-20	DLFK0102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
90	Sample	150-22	DLFK5102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
91	Sample	150-23	DLFK7102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
92	Sample	150-24	DLFKA102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
93	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
94	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
95	Sample	150-26	DLFKE102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
96	Sample	150-27	DLFKG102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
97	Sample	150-28	DLFKJ102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
98	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
99	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
100	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
101	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
102	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
[illegible]	Sample	162-MB	DLJ1V101B	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
[illegible]	Sample	162-LCS	DLJ1V102C	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
105	Sample	162-01	DLFLL102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
106	Sample	162-02	DLFLR102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
107	Sample	162-03	DLFLV102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
108	Sample	150-01	DLFGE102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
109	Sample	150-01 MS	DLFGE11WS	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
110	Sample	150-01 MSD	DLFGE11XD	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
111	Sample	150-03	DLFGQ102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
112	Sample	150-04	DLFGV102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
113	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
114	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
115	Sample	150-05	DLFHQ102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
116	Sample	150-07	DLFHX102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
117	Sample	150-09	DLFJ4102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
118	Sample	150-10	DLFJ6102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
119	Sample	150-17	DLFJQ102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
120	Sample	150-19	DLFJV102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
121	Sample	150-20	DLFK0102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
122	Sample	150-22	DLFK5102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
123	Sample	150-23	DLFK7102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
124	Sample	150-24	DLFKA102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
125	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
126	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
127	Sample	150-26	DLFKE102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
128	Sample	150-27	DLFKG102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
129	Sample	150-28	DLFKJ102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
130	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
131	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
132	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
133	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
134	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
135	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
136	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
137	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
138	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
[illegible]	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
[illegible]	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
141	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
142	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
143	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
144	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
145	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
146	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
147	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000

Turbochrom Sequence File : C:\TC4\DATA_01\O09A.SEQ
Created by : doug on : 10/9/00 08:34 AM
Edited by : EC on : 10/11/00 01:27 PM
Description :

Number of Times Edited : 20

Sequence File Header Information:

Number of Rows : 148
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	MECL2	MECL2	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
3	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
4	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
5	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
6	Sample	370-MB	DLEM0101B	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
7	Sample	370-LCS	DLEM0102C	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
8	Sample	370-19	DLC7710N	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	520.000	0.000	100.000
9	Sample	315-25	DL8JR106	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	520.000	0.000	100.000
10	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
11	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
12	Sample	370-LCS	DLEKW102C	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
13	Sample	370-MB	DLEKW101B	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
14	Sample	370-MB	DLEL7101B	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
15	Sample	370-LCS	DLEL7102C	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
16	Sample	370-01	DLC6J102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
[illegible]	Sample	370-01 MS	DLC6J11WS	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
[illegible]	Sample	370-01 MSD	DLC6J11XD	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
19	Sample	370-02	DLC6K102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
20	Sample	370-03	DLC6L102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
21	Sample	370-04	DLC6N102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
22	Sample	370-06	DLC6Q102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
23	Sample	370-07	DLC6R102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
24	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
25	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
26	Sample	370-08	DLC6T102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
27	Sample	370-09	DLC6V102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
28	Sample	370-10	DLC6W102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
29	Sample	370-11	DLC6X102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
30	Sample	370-12	DLC70102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
31	Sample	370-13	DLC71102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
32	Sample	370-14	DLC72102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
33	Sample	370-15	DLC73102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
34	Sample	370-16	DLC74102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
35	Sample	370-17	DLC75102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
36	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
37	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
38	Sample	370-18	DLC76102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
39	Sample	370-20	DLC78102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
40	Sample	370-21	DLC79102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
41	Sample	370-22	DLC7A102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
42	Sample	370-23	DLC7C102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
43	Sample	370-24	DLC7D102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
44	Sample	370-24 MS	DLC7D10QS	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
45	Sample	370-24 MSD	DLC7D10RD	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
46	Sample	370-25	DLC7E102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
47	Sample	370-22	DLC7A102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
48	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
49	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
50	Sample	262-MB	DLLVV101B	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
51	Sample	262-LCS	DLLVV102C	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
52	Sample	262-LCD	DLLVV103L	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
53	Sample	233-03	DLGAR10M	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
54	Sample	262-01	DLGPH10M	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	991.000	0.000	100.000
55	Sample	322-23	DLJLO10M	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	400.000	0.000	100.000
56	Sample	370-22	DLC7A102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
57	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
58	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
59	Sample	262-MB	DLJ3N101B	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
60	Sample	262-LCS	DLJ3N102C	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000

Software Version: 4.1<2F12>
Sample Name : #TEPH00-171 DIESEL STD Time : 10/12/00 10:47 AM
Sample Number: 1000 PPM Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/11/00 02:06 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

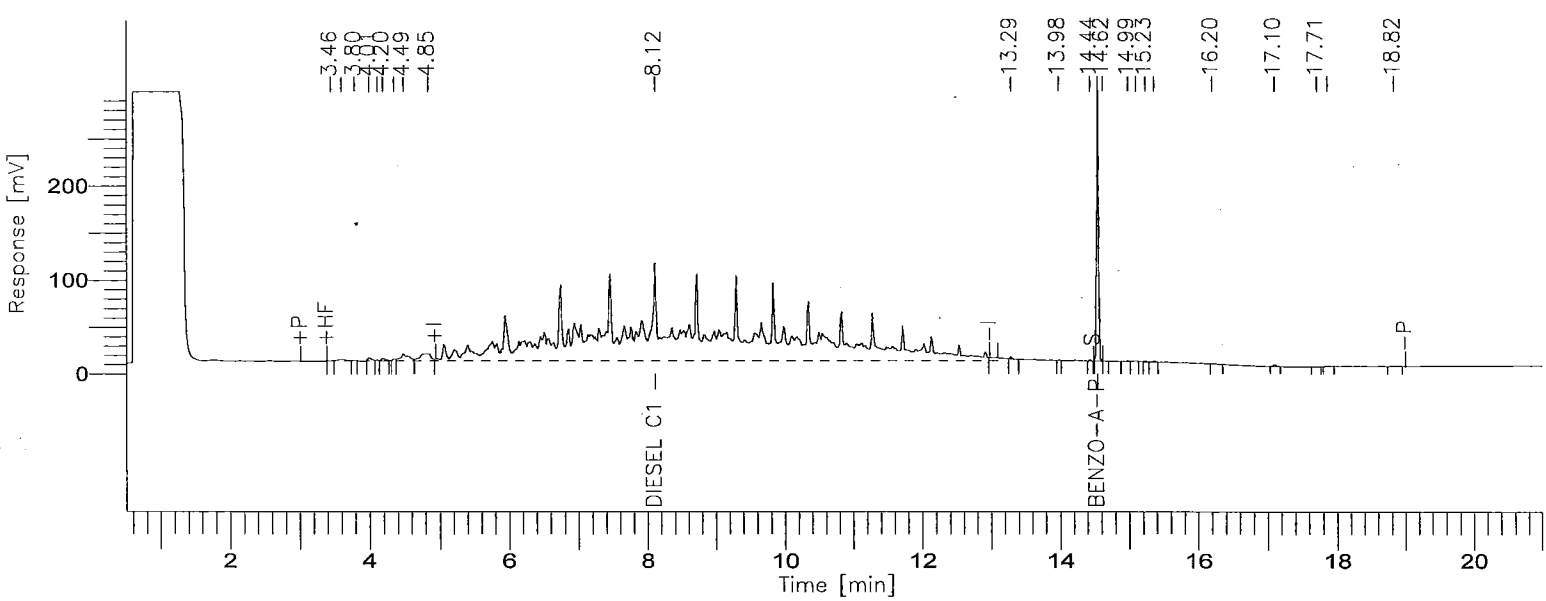
Raw Data File : C:\TC4\DATA_01\O09A101.RAW
Result File : C:\TC4\DATA_01\O09A101.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O09A101.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O09A101.R
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O09A101.R
Sequence File : C:\TC4\DATA_01\O09A.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: 24



000831

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
3.460		1264	0.0013	------	----------
3.610		12666	0.0127	------	----------
3.800		1884	0.0019	------	----------
4.007		12201	0.0122	------	----------
4.127		2827	0.0028	------	----------
4.200		11199	0.0112	------	----------
4.359		7215	0.0072	------	----------
4.491		60274	0.0603	------	----------
4.848		82564	0.0826	------	----------
8.117	DIESEL C10-C24	9991643	1351.6987	1000.0	35.17
13.286		3840	0.0038	------	----------
13.980		524	0.0005	------	----------
14.440		2564	0.0026	------	----------
14.550	BENZO-A-PYRENE	568554	53.8771	50.0	7.75
1.617		466	0.0005	------	----------
14.985		2808	0.0028	------	----------
15.100		3240	0.0032	------	----------
15.234		2159	0.0022	------	----------
15.364		2313	0.0023	------	----------
16.197		1421	0.0014	------	----------
17.100		4848	0.0048	------	----------
17.713		502	0.0005	------	----------
17.861		2004	0.0020	------	----------
18.824		3038	0.0030	------	----------
		10782019	1405.7976		

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O09A101.TX0

Software Version: 4.1<2F12>
Sample Name : #TEPH00-167 RT MARKER Time : 10/12/00 10:47 AM
Sample Number: 30 PPM Study : ICAL 10/3/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/11/00 02:36 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

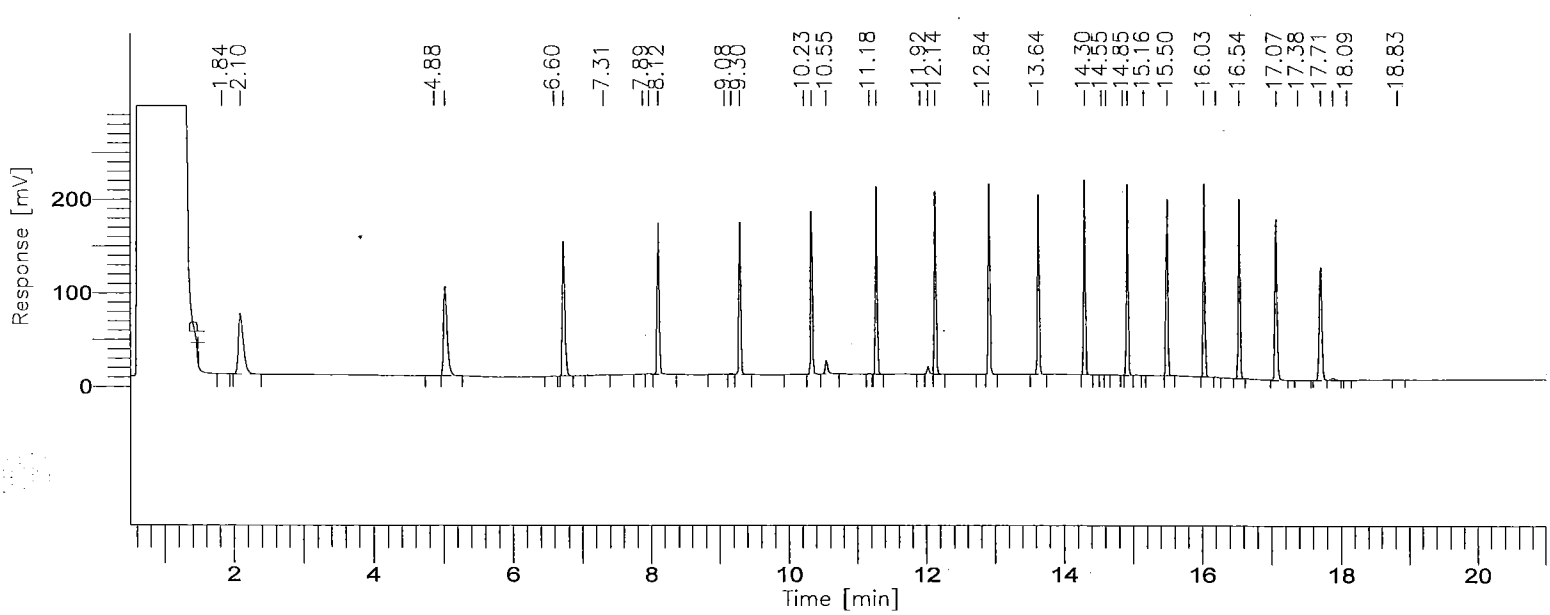
Raw Data File : C:\TC4\DATA_01\O09A102.RAW
Result File : C:\TC4\DATA_01\O09A102.RST
Inst Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\O09A102.RS
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\O09A102.RS
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\O09A102.RS
Sequence File : C:\TC4\DATA_01\O09A.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: 40



000833

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
3.446	C8-C9	322916	32.3178	30.0	7.73
5.772	C10-C11	343850	32.5881	30.0	8.63
7.314	C12-C13	347879	32.4178	30.0	8.06
8.586	C14-C15	333972	27.7251	30.0	-7.58
9.692	C16-C17	336412	31.0816	30.0	3.61
10.720	C18-C19	369891	30.8003	30.0	2.67
12.018	C20-C23	678345	31.2418	30.0	4.14
13.534	C24-C27	667272	31.7908	30.0	5.97
14.819	C28-C31	668470	31.1380	30.0	3.79
15.898	C32-C35	669894	31.1180	30.0	3.73
16.990	C36-C39	674508	31.4923	30.0	4.97
19.290	C40+	333918	32.3423	30.0	7.81
		5747328	376.0541		

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
2.104		321301	0.3213	------	----------
4.879		1615	0.0016	------	----------
		322916	0.3229		

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
5.031		340754	0.3408	------	----------
6.600		3096	0.0031	------	----------
		343850	0.3439		

Group Report For : C12-C13

Time	Component	Area	ACTUAL	TRUE	%

[min]	Name	[µV·s]	VALUE (PPM)	VALUE	D
6.735		336172	0.3362	------	----------
7.311		5252	0.0053	------	----------
7.886		2239	0.0022	------	----------
7.980		4216	0.0042	------	----------
		347879	0.3479		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
8.115		328802	0.3288	------	----------
9.081		5170	0.0052	------	----------
		333972	0.3340		

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
9.169		3613	0.0036	------	----------
9.296		326439	0.3264	------	----------
10.225		6360	0.0064	------	----------
		336412	0.3364		

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
10.338		330537	0.3305	------	----------
10.553		37671	0.0377	------	----------
11.179		1683	0.0017	------	----------
		369891	0.3699		

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
11.283		329598	0.3296	------	----------
11.919		609	0.0006	------	----------

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
12.032		18092	0.0181	------	----------
12.136		330047	0.3300	------	----------
		678345	0.6783		

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
12.836		892	0.0009	------	----------
12.918		330003	0.3300	------	----------
13.637		336377	0.3364	------	----------
		667272	0.6673		

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
14.302		333898	0.3339	------	----------
14.547		337	0.0003	------	----------
14.616		568	0.0006	------	----------
14.852		562	0.0006	------	----------
14.918		332165	0.3322	------	----------
15.156		940	0.0009	------	----------
		668470	0.6685		

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
15.497		335349	0.3353	------	----------
16.033		332820	0.3328	------	----------
16.197		1725	0.0017	------	----------
		669894	0.6699		

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D

16.536	333381	0.3334	------	----------
17.067	340264	0.3403	------	----------
17.379	863	0.0009	------	----------
	674508	0.6745		

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
17.711		322802	0.3228	------	----------
17.883		7749	0.0077	------	----------
18.089		478	0.0005	------	----------
18.825		2889	0.0029	------	----------
		333918	0.3339		

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

Timed Event Table

Time	Event	Value
0.131	-P	
1.500	P	
23.390	-P	

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O09A102.TX0

Software Version: 4.1<2F12>
Sample Name : #TEPH00-171 DIESEL STD Time : 10/12/00 10:35 AM
Sample Number: 1000 PPM Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/11/00 08:09 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

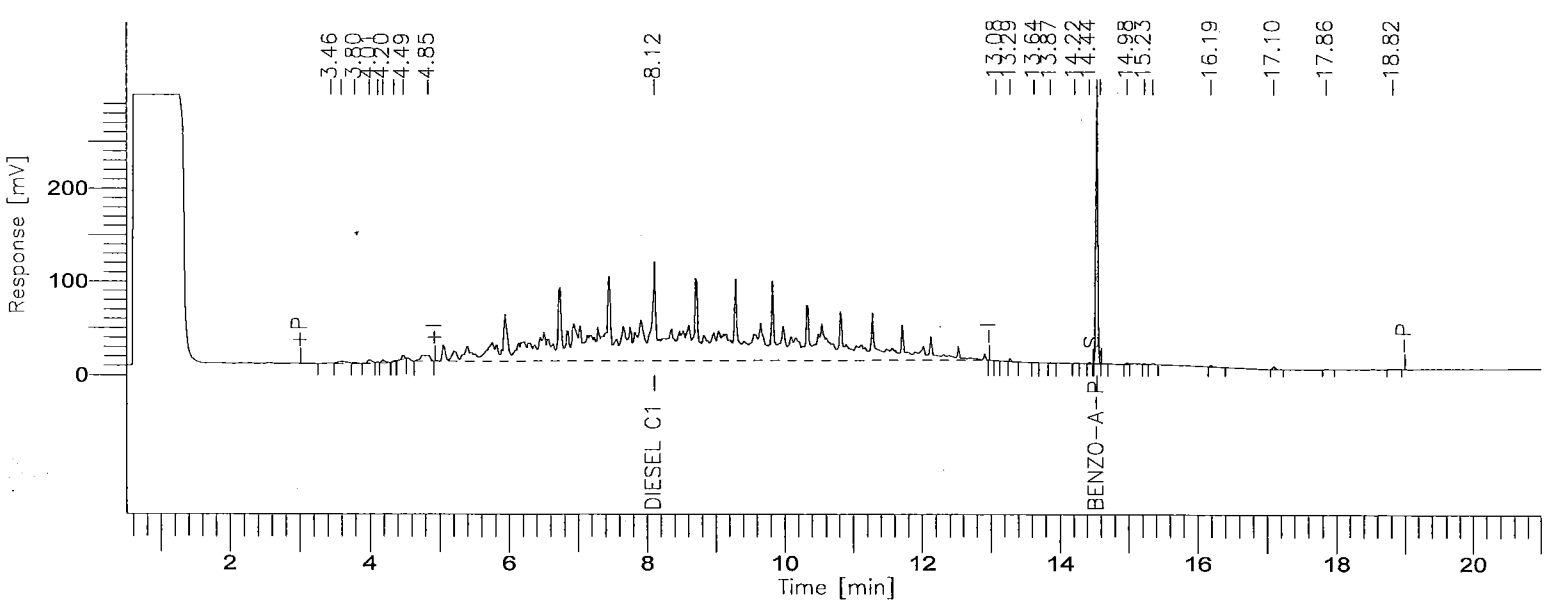
Raw Data File : C:\TC4\DATA_01\O09A113.RAW
Result File : C:\TC4\DATA_01\O09A113.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O09A113.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O09A113.R
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O09A113.R
Sequence File : C:\TC4\DATA_01\O09A.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: 25



000838

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
3.457		5222	0.0052	------	----------
3.610		21500	0.0215	------	----------
3.799		5502	0.0055	------	----------
4.007		17540	0.0175	------	----------
4.127		4399	0.0044	------	----------
4.200		13188	0.0132	------	----------
4.358		3669	0.0037	------	----------
4.490		12035	0.0120	------	----------
4.847		60683	0.0607	------	----------
8.116	DIESEL C10-C24	9222131	1247.5969	1000.0	24.76
13.080		1913	0.0019	------	----------
13.285		4082	0.0041	------	----------
13.635		1478	0.0015	------	----------
13.869		914	0.0009	------	----------
1.218		2204	0.0022	------	----------
14.436		2684	0.0027	------	----------
14.548	BENZO-A-PYRENE	580583	55.0170	50.0	10.03
14.600		880	0.0009	------	----------
14.983		2520	0.0025	------	----------
15.232		2205	0.0022	------	----------
15.361		2456	0.0025	------	----------
16.194		3309	0.0033	------	----------
17.098		8008	0.0080	------	----------
17.855		2008	0.0020	------	----------
18.819		3884	0.0039	------	----------
		9984998	1302.7961		

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O09A113.TX0

Software Version: 4.1<2F12>
Sample Name : #TEPH00-171 DIESEL STD Time : 10/11/00 08:30 PM
Sample Number: 1000 PPM Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/11/00 08:09 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

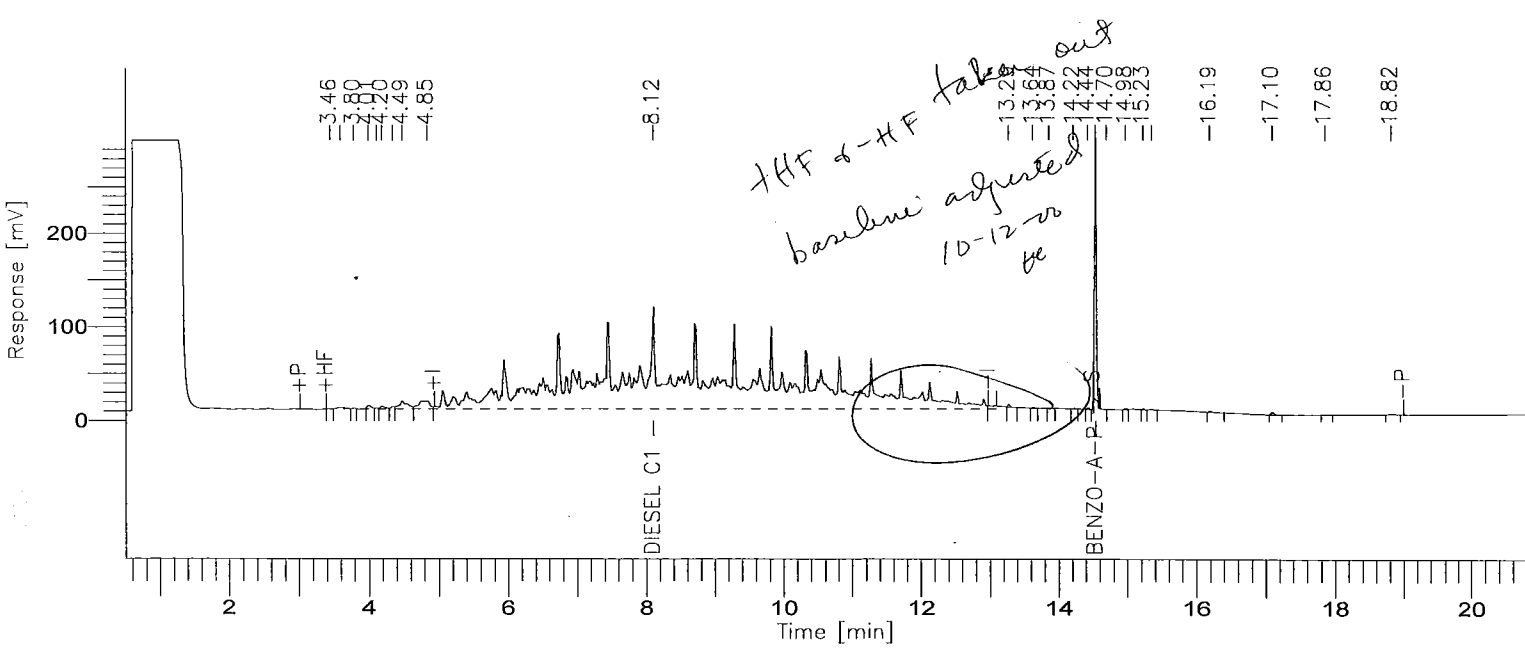
Raw Data File : C:\TC4\DATA_01\O09A113.RAW
Result File : C:\TC4\DATA_01\O09A113.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O09A113.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_01\O09A.SEQ

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: 24



000840

BOE-C6-0149258

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.12	DIESEL C10-C24	10517949	1422.899	------	10.0	
14.55	BENZO-A-PYRENE	523157	49.575	396.6	10.0	
		11041106	1472.474			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O09A113.TX0

Software Version: 4.1<2F12>
Sample Name : #TEPH00-167 RT MARKER Time : 10/12/00 10:36 AM
Sample Number: 30 PPM Study : ICAL 10/3/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/11/00 08:39 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

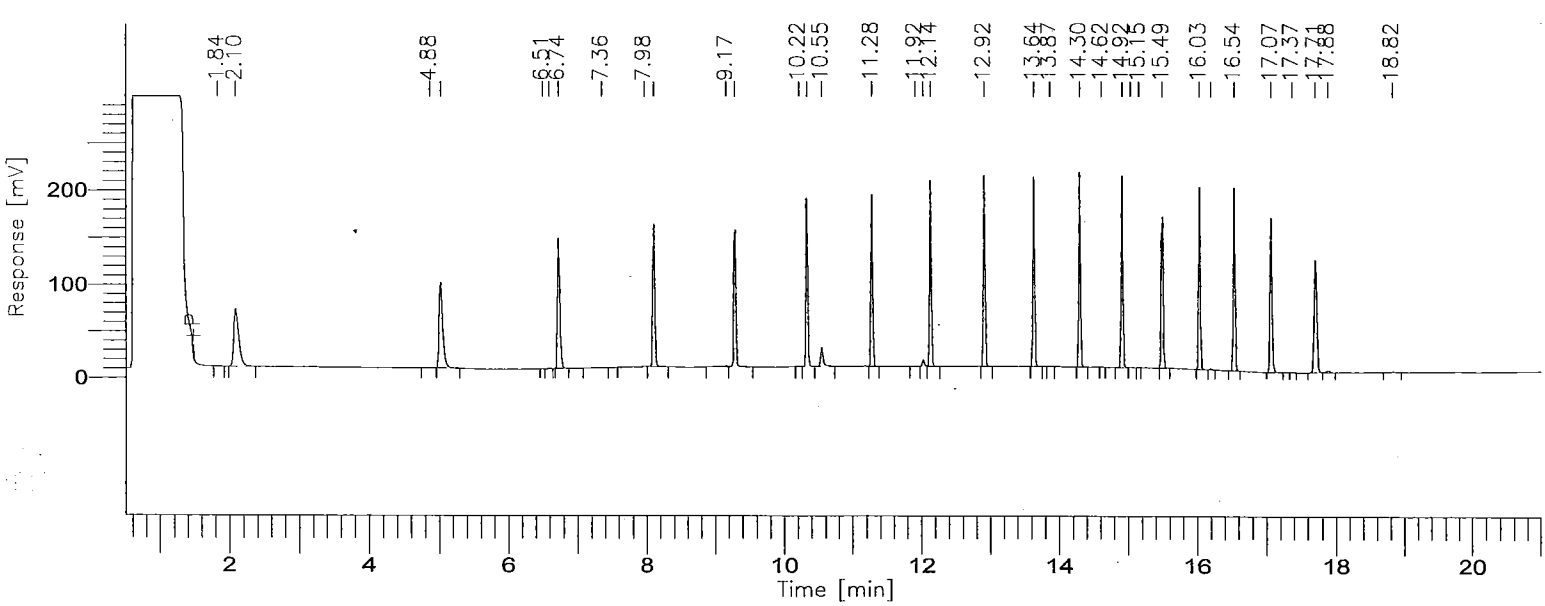
Raw Data File : C:\TC4\DATA_01\O09A114.RAW
Result File : C:\TC4\DATA_01\O09A114.RST
Inst Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\O09A114.RS
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\O09A114.RS
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\O09A114.RS
Sequence File : C:\TC4\DATA_01\O09A.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: 36



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BOE-C6-0149260

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
3.446	C8-C9	308758	30.9010	30.0	3.00
5.771	C10-C11	335135	31.7621	30.0	5.87
7.314	C12-C13	346672	32.3054	30.0	7.68
8.586	C14-C15	322410	26.7652	30.0	-10.78
9.691	C16-C17	333265	30.7909	30.0	2.64
10.720	C18-C19	366773	30.5407	30.0	1.80
12.018	C20-C23	655022	30.1676	30.0	0.56
13.534	C24-C27	647120	30.8308	30.0	2.77
14.819	C28-C31	655632	30.5400	30.0	1.80
15.898	C32-C35	654896	30.4213	30.0	1.40
16.989	C36-C39	659401	30.7870	30.0	2.62
19.290	C40+	325606	31.5372	30.0	5.12
		5610689	367.3490		

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
2.103		307140	0.3071	------	----------
4.878		1618	0.0016	------	----------
		308758	0.3088		

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
5.031		332793	0.3328	------	----------
6.508		386	0.0004	------	----------
6.600		1956	0.0020	------	----------
		335135	0.3351		

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
6.735		330230	0.3302	------	----------
7.358		5184	0.0052	------	----------
7.979		11258	0.0113	------	----------
		346672	0.3467		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
8.114		322410	0.3224	------	----------
		322410	0.3224		

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
9.167		9741	0.0097	------	----------
9.293		322264	0.3223	------	----------
10.221		1259	0.0013	------	----------
		333265	0.3333		

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
10.337		317596	0.3176	------	----------
10.551		49177	0.0492	------	----------
		366773	0.3668		

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
11.281		318997	0.3190	------	----------
11.917		613	0.0006	------	----------
12.031		15256	0.0153	------	----------
12.135		320156	0.3202	------	----------

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
		655022	0.6550		

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
12.917		319941	0.3199	------	----------
13.635		326437	0.3264	------	----------
13.870		742	0.0007	------	----------
		647120	0.6471		

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
14.301		326188	0.3262	------	----------
14.615		540	0.0005	------	----------
14.917		326635	0.3266	------	----------
15.035		992	0.0010	------	----------
15.153		1277	0.0013	------	----------
		655632	0.6556		

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
15.494		327668	0.3277	------	----------
16.032		324857	0.3249	------	----------
16.194		2370	0.0024	------	----------
		654896	0.6549		

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
16.535		325644	0.3256	------	----------
17.066		333389	0.3334	------	----------

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
17.368		368	0.0004	------	----------
		659401	0.6594		

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
17.705		314606	0.3146	------	----------
17.881		7338	0.0073	------	----------
18.819		3662	0.0037	------	----------
		325606	0.3256		

Missing Component Report

Component	Expected Retention (Calibration File)
All components were found	

Timed Event Table

Time	Event	Value
0.131	-P	
1.500	P	
23.390	-P	

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O09A114.TX0

Software Version: 4.1<2F12>
Sample Name : #TEPH00-171 DIESEL STD Time : 10/12/00 02:30 AM
Sample Number: 1000 PPM Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/12/00 02:09 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

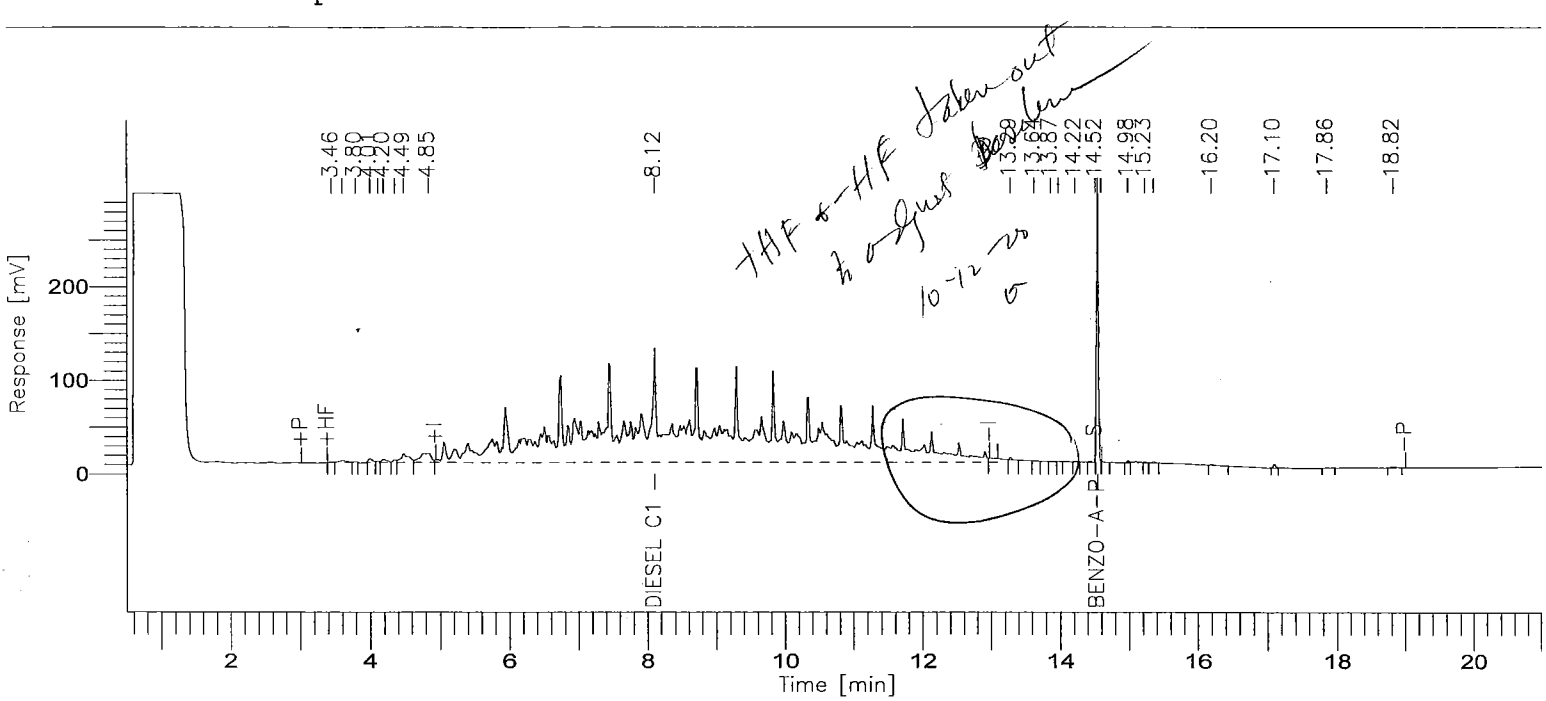
Raw Data File : C:\TC4\DATA_01\O09A125.RAW
Result File : C:\TC4\DATA_01\O09A125.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O09A125.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_01\O09A.SEQ

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: 25



000847

BOE-C6-0149265

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.12	DIESEL C10-C24	12014201	1625.316	------	10.0	
14.55	BENZO-A-PYRENE	643368	60.967	487.7	10.0	
		12657570	1686.283			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O09A125.TX0

Software Version: 4.1<2F12>
Sample Name : #TEPH00-171 DIESEL STD Time : 10/12/00 10:39 AM
Sample Number: 1000 PPM Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/12/00 02:09 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

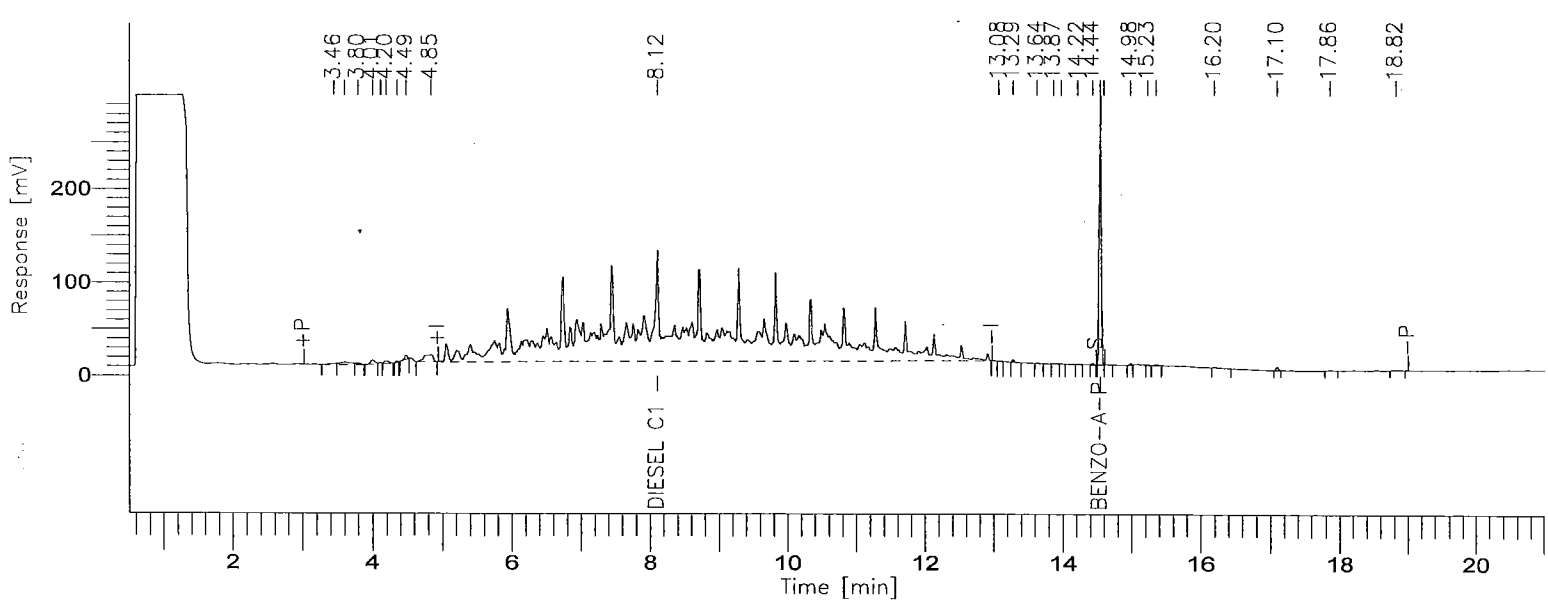
Raw Data File : C:\TC4\DATA_01\O09A125.RAW
Result File : C:\TC4\DATA_01\O09A125.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O09A125.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O09A125.R
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O09A125.R
Sequence File : C:\TC4\DATA_01\O09A.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: 26



000849

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
3.462		5927	0.0059	------	----------
3.612		24019	0.0240	------	----------
3.801		6358	0.0064	------	----------
4.009		19648	0.0196	------	----------
4.126		5045	0.0050	------	----------
4.200		14826	0.0148	------	----------
4.361		3948	0.0039	------	----------
4.490		13492	0.0135	------	----------
4.847		67942	0.0679	------	----------
8.116	DIESEL C10-C24	10457675	1414.7448	1000.0	41.47
13.081		2311	0.0023	------	----------
13.285		4538	0.0045	------	----------
13.637		1697	0.0017	------	----------
13.869		1157	0.0012	------	----------
13.978		712	0.0007	------	----------
14.219		2542	0.0025	------	----------
14.437		3052	0.0031	------	----------
14.549	BENZO-A-PYRENE	654883	62.0578	50.0	24.12
14.600		1025	0.0010	------	----------
14.983		2938	0.0029	------	----------
15.233		2549	0.0025	------	----------
15.362		2772	0.0028	------	----------
16.195		2870	0.0029	------	----------
17.098		8121	0.0081	------	----------
17.855		2174	0.0022	------	----------
18.820		4602	0.0046	------	----------
		11316824	1477.0068		

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O09A125.TX0

Software Version: 4.1<2F12>
Sample Name : #TEPH00-167 RT MARKER Time : 10/12/00 10:41 AM
Sample Number: 30 PPM Study : ICAL 10/3/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/12/00 02:39 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

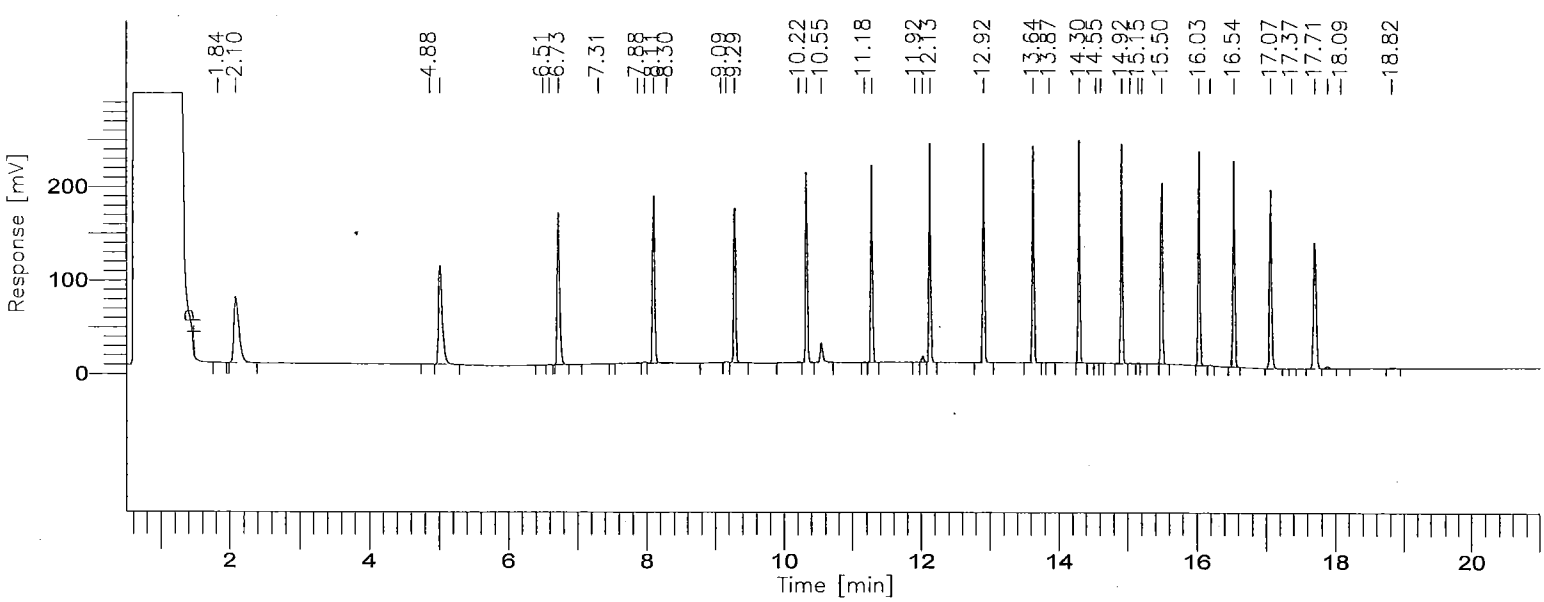
Raw Data File : C:\TC4\DATA_01\O09A126.RAW
Result File : C:\TC4\DATA_01\O09A126.RST
Inst Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\O09A126.RS
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\O09A126.RS
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\O09A126.RS
Sequence File : C:\TC4\DATA_01\O09A.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: 43



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8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
3.446	C8-C9	360198	36.0492	30.0	20.16
5.771	C10-C11	395598	37.4924	30.0	24.97
7.314	C12-C13	411512	38.3476	30.0	27.83
8.586	C14-C15	385311	31.9870	30.0	6.62
9.691	C16-C17	381558	35.2527	30.0	17.51
10.720	C18-C19	422096	35.1474	30.0	17.16
12.018	C20-C23	754018	34.7270	30.0	15.76
13.534	C24-C27	749138	35.6912	30.0	18.97
14.819	C28-C31	757867	35.3022	30.0	17.67
15.898	C32-C35	752066	34.9351	30.0	16.45
16.989	C36-C39	756347	35.3133	30.0	17.71
19.290	C40+	373774	36.2027	30.0	20.68
		6499482	426.4477		

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
2.104		358515	0.3585	------	----------
4.881		1683	0.0017	------	----------
		360198	0.3602		

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
5.028		392812	0.3928	------	----------
6.510		676	0.0007	------	----------
6.601		2110	0.0021	------	----------
		395598	0.3956		

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
6.734		388253	0.3883	------	----------
7.313		4368	0.0044	------	----------
7.883		13448	0.0134	------	----------
7.981		5444	0.0054	------	----------
		411512	0.4115		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
8.114		375261	0.3753	------	----------
8.301		2473	0.0025	------	----------
9.087		7577	0.0076	------	----------
		385311	0.3853		

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
9.168		4927	0.0049	------	----------
9.292		370261	0.3703	------	----------
10.223		6370	0.0064	------	----------
		381558	0.3816		

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
10.337		369511	0.3695	------	----------
10.552		50663	0.0507	------	----------
11.176		1922	0.0019	------	----------
		422096	0.4221		

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D

11.281	369625	0.3696	------	----------
11.917	516	0.0005	------	----------
12.031	14140	0.0141	------	----------
12.134	369737	0.3697	------	----------
	754018	0.7540		

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
12.917		370749	0.3707	------	----------
13.635		377448	0.3774	------	----------
13.870		941	0.0009	------	----------
		749138	0.7491		

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
14.301		376378	0.3764	------	----------
14.545		544	0.0005	------	----------
14.615		575	0.0006	------	----------
14.918		376486	0.3765	------	----------
15.035		1323	0.0013	------	----------
15.154		1929	0.0019	------	----------
15.212		631	0.0006	------	----------
		757867	0.7579		

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
15.495		376764	0.3768	------	----------
16.033		373167	0.3732	------	----------
16.195		2134	0.0021	------	----------
		752066	0.7521		

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D

16.535	373571	0.3736	------	----------
17.066	382333	0.3823	------	----------
17.369	443	0.0004	------	----------
	756347	0.7563		

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
17.706		360044	0.3600	------	----------
17.881		8618	0.0086	------	----------
18.085		776	0.0008	------	----------
18.821		4336	0.0043	------	----------
		373774	0.3738		

Missing Component Report

Component	Expected Retention (Calibration File)
All components were found	

Timed Event Table

Time	Event	Value
0.131	-P	
1.500	P	
23.390	-P	

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O09A126.TX0

Software Version: 4.1<2F12>
Sample Name : #TEPH00-171 DIESEL STD Time : 10/12/00 05:00 AM
Sample Number: 1000 PPM Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/12/00 04:39 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

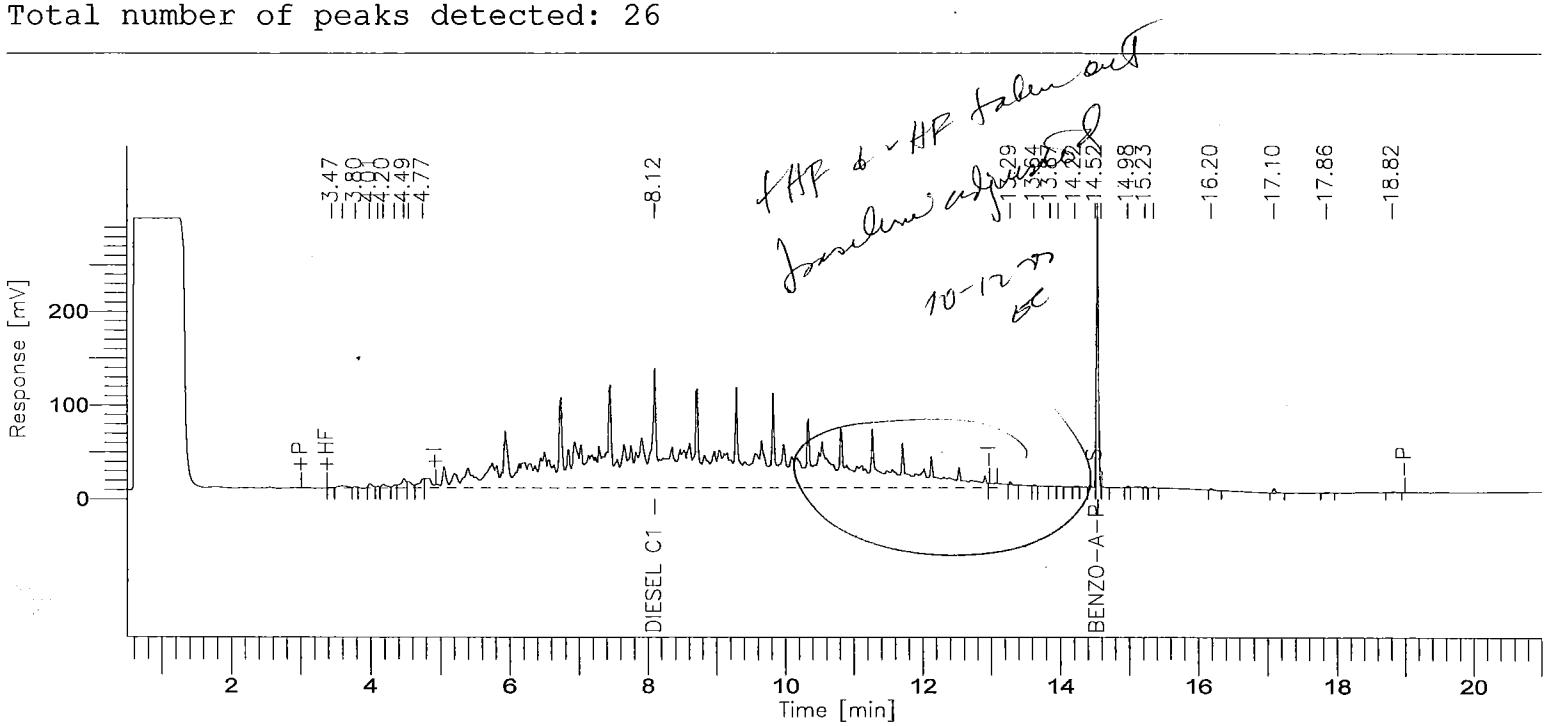
Raw Data File : C:\TC4\DATA_01\O09A130.RAW
Result File : C:\TC4\DATA_01\O09A130.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O09A130.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_01\O09A.SEQ

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: 26



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BOE-C6-0149274

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.12	DIESEL C10-C24	12432571	1681.915	------	10.0	
14.55	BENZO-A-PYRENE	657840	62.338	498.7	10.0	
		13090411	1744.253			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O09A130.TX0

Software Version: 4.1<2F12>
Sample Name : #TEPH00-171 DIESEL STD Time : 10/12/00 10:42 AM
Sample Number: 1000 PPM Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/12/00 04:39 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

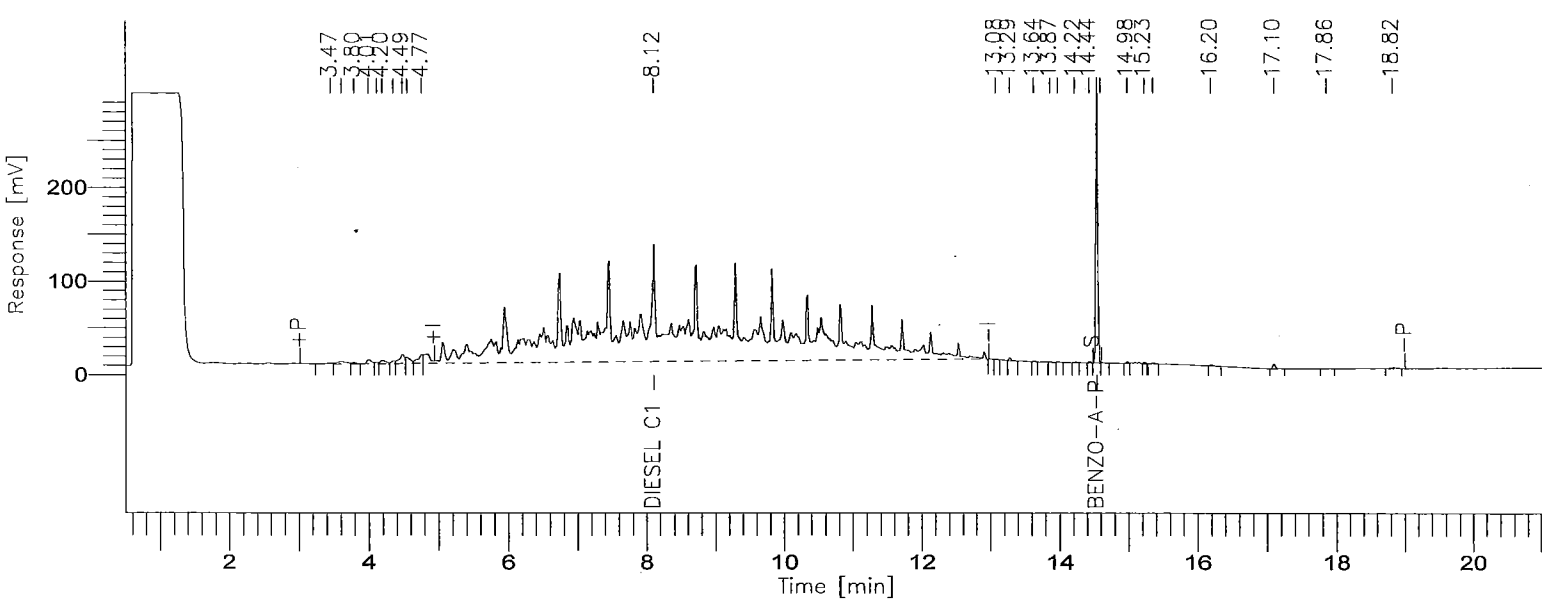
Raw Data File : C:\TC4\DATA_01\O09A130.RAW
Result File : C:\TC4\DATA_01\O09A130.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O09A130.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O09A130.R
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O09A130.R
Sequence File : C:\TC4\DATA_01\O09A.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: 27



000858

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
3.465		6533	0.0065	------	----------
3.615		25412	0.0254	------	----------
3.800		6653	0.0067	------	----------
4.008		22168	0.0222	------	----------
4.126		6929	0.0069	------	----------
4.200		21029	0.0210	------	----------
4.360		12921	0.0129	------	----------
4.491		53875	0.0539	------	----------
4.559		31937	0.0319	------	----------
4.772		48902	0.0489	------	----------
8.116	DIESEL C10-C24	11357784	1536.5142	1000.0	53.65
13.082		2222	0.0022	------	----------
13.285		4620	0.0046	------	----------
13.637		1761	0.0018	------	----------
13.869		1301	0.0013	------	----------
13.978		655	0.0007	------	----------
14.218		2608	0.0026	------	----------
14.436		3156	0.0032	------	----------
14.549	BENZO-A-PYRENE	669502	63.4430	50.0	26.89
14.600		1107	0.0011	------	----------
14.983		2900	0.0029	------	----------
15.233		2586	0.0026	------	----------
15.361		2900	0.0029	------	----------
16.195		3446	0.0034	------	----------
17.099		11984	0.0120	------	----------
17.855		2308	0.0023	------	----------
18.819		5009	0.0050	------	----------
		12312209	1600.2422		

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O09A130.TX0

Software Version: 4.1<2F12>
Sample Name : #TEPH00-167 RT MARKER Time : 10/12/00 10:43 AM
Sample Number: 30 PPM Study : ICAL 10/3/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/12/00 05:09 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

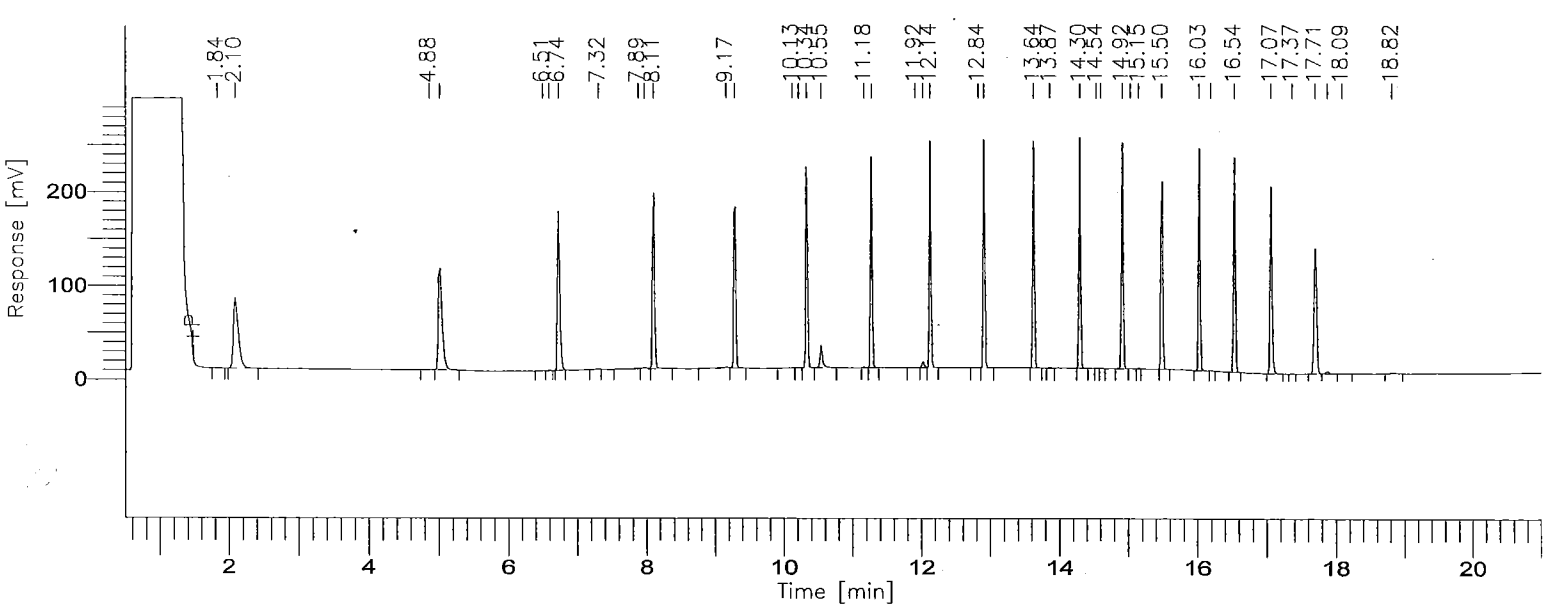
Raw Data File : C:\TC4\DATA_01\O09A131.RAW
Result File : C:\TC4\DATA_01\O09A131.RST
Inst Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\O09A131.RS
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\O09A131.RS
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\O09A131.RS
Sequence File : C:\TC4\DATA_01\O09A.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: 42



000860

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
3.446	C8-C9	383486	38.3799	30.0	27.93
5.771	C10-C11	415338	39.3632	30.0	31.21
7.314	C12-C13	425880	39.6865	30.0	32.29
8.586	C14-C15	393596	32.6748	30.0	8.92
9.691	C16-C17	404407	37.3638	30.0	24.55
10.720	C18-C19	441578	36.7696	30.0	22.57
12.018	C20-C23	785372	36.1710	30.0	20.57
13.534	C24-C27	780112	37.1669	30.0	23.89
14.819	C28-C31	787364	36.6762	30.0	22.25
15.898	C32-C35	782348	36.3417	30.0	21.14
16.989	C36-C39	786064	36.7008	30.0	22.34
19.290	C40+	388364	37.6158	30.0	25.39
		6773908	444.9102		

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
2.103		381337	0.3813	------	----------
4.882		2149	0.0021	------	----------
		383486	0.3835		

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
5.028		412378	0.4124	------	----------
6.512		752	0.0008	------	----------
6.602		2207	0.0022	------	----------
		415338	0.4153		

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
6.735		405324	0.4053	------	----------
7.316		1813	0.0018	------	----------
7.890		10546	0.0105	------	----------
7.981		8197	0.0082	------	----------
		425880	0.4259		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
8.114		393596	0.3936	------	----------
		393596	0.3936		

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
9.168		13866	0.0139	------	----------
9.292		385615	0.3856	------	----------
10.132		2846	0.0028	------	----------
10.224		2080	0.0021	------	----------
		404407	0.4044		

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
10.337		383491	0.3835	------	----------
10.552		56126	0.0561	------	----------
11.178		1961	0.0020	------	----------
		441578	0.4416		

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
11.282		385366	0.3854	------	----------

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
11.918		490	0.0005	------	----------
12.031		14261	0.0143	------	----------
12.135		385255	0.3853	------	----------
		785372	0.7854		

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
12.835		961	0.0010	------	----------
12.918		385542	0.3855	------	----------
13.635		392513	0.3925	------	----------
13.870		1096	0.0011	------	----------
		780112	0.7801		

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
14.301		391773	0.3918	------	----------
14.544		571	0.0006	------	----------
14.615		639	0.0006	------	----------
14.917		391472	0.3915	------	----------
15.035		1143	0.0011	------	----------
15.154		1766	0.0018	------	----------
		787364	0.7874		

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
15.495		391660	0.3917	------	----------
16.032		388327	0.3883	------	----------
16.195		2361	0.0024	------	----------
		782348	0.7823		

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
16.536		387983	0.3880	------	----------
17.067		397574	0.3976	------	----------
17.369		507	0.0005	------	----------
		786064	0.7861		

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
17.708		373196	0.3732	------	----------
17.882		9257	0.0093	------	----------
18.086		936	0.0009	------	----------
18.821		4974	0.0050	------	----------
		388364	0.3884		

Missing Component Report

Component	Expected Retention (Calibration File)
All components were found	

Timed Event Table

Time	Event	Value
0.131	-P	
1.500	P	
23.390	-P	

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O09A131.TX0

Lot/Sample: E0J040000-369B INTRA-LAB BLANK TICs.....: N Report Results: Y
WO#.....: DLJ1V-1-01 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/11/00
Inject Time..: 15:07 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O09A103
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....:10/02/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/13 11:50:54
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/04/00
QC Batch.....: 0278369
MS Run Number:
Prep Time....: 12:00-16:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1562-1SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05120	C8-C9			ND	10	5		
05121	C10-C11			ND	10	5		
05122	C12-C13			ND	10	5		
05123	C14-C15			ND	10	5		
05124	C16-C17			ND	10	5		
05125	C18-C19			ND	10	5		
05201	C20-C23			ND	10	5		
05202	C24-C27			ND	10	5		
05203	C28-C31			ND	10	5		
05204	C32-C35			ND	10	5		
05205	C36-C39			ND	10	5		
05132	C40+			ND	10	5		
05136	Total Carbon Chain Rang			ND	10	5		

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	15.715	125.72		

Software Version: 4.1<2F12>
Sample Name : 162-MB
Sample Number: DLJ1V101B
Operator :

Time : 10/12/00 11:22 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: 10/11/00 03:07 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

e-chan

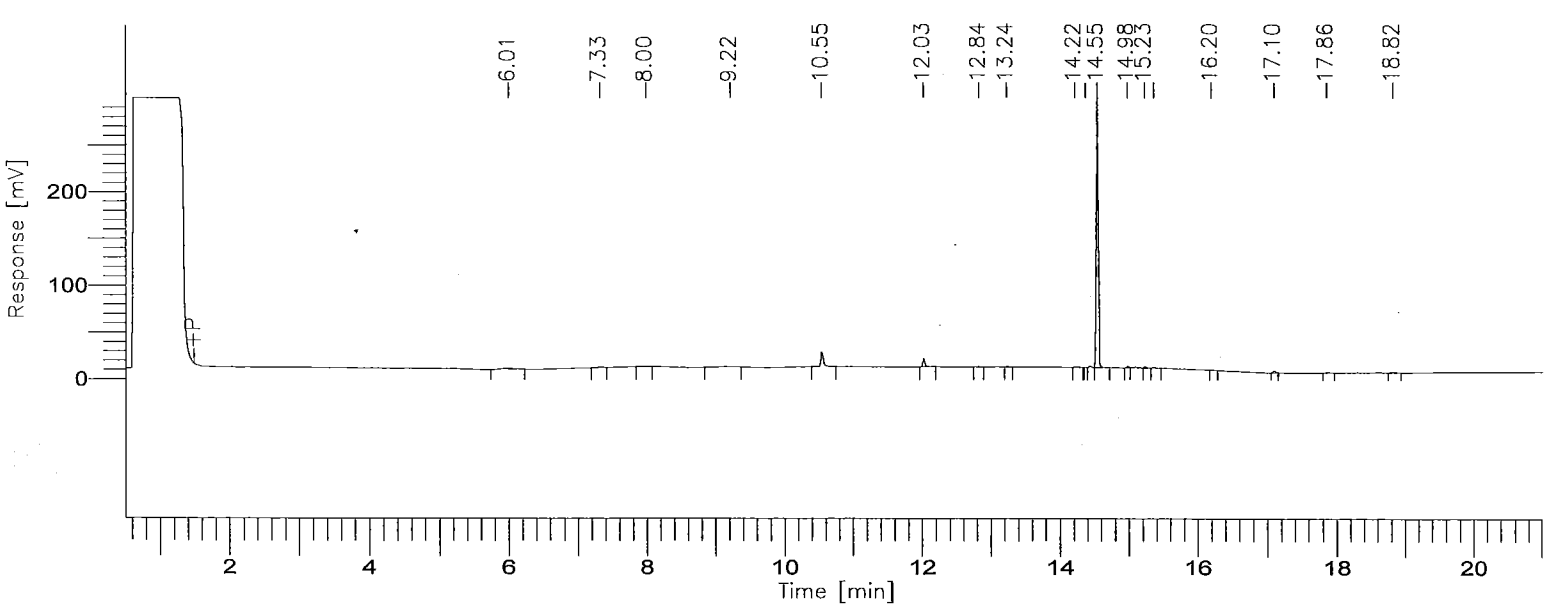
Raw Data File : C:\TC4\DATA_01\O09A103A.RAW
Result File : C:\TC4\DATA_01\O09A103A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O09A103A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\O09A103A.R
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\O09A103A.R
Sequence File : C:\TC4\DATA_01\O09B.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 : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 18



000866

BOE-C6-0149284

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	0	0.000	------	10.0	
5.77	C10-C11	15516	0.368	------	10.0	
7.31	C12-C13	4693	0.109	------	10.0	
8.59	C14-C15	0	0.000	------	10.0	
9.69	C16-C17	7663	0.177	------	10.0	
10.72	C18-C19	39229	0.817	------	10.0	
12.02	C20-C23	20163	0.232	------	10.0	
13.53	C24-C27	5535	0.066	------	10.0	
14.82	C28-C31	674029	7.849	------	10.0	
15.90	C32-C35	1794	0.021	------	10.0	
16.99	C36-C39	4752	0.055	------	10.0	
19.29	C40+	5216	0.126	------	10.0	
		778590	9.821			

Group Report For : C8-C9

No peaks available to report

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
6.01		15516	0.004	------	10.0	
		15516	0.004			

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.33		3388	0.001	------	10.0	
8.00		1305	0.000	------	10.0	

	4693	0.001

Group Report For : C14-C15

No peaks available to report

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.22		7663	0.002	------	10.0	
		7663	0.002			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
[illegible].55		39229	0.010	------	10.0	
		39229	0.010			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.03		20163	0.005	------	10.0	
		20163	0.005			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.84		1238	0.000	------	10.0	
[illegible] 24		1261	0.000	------	10.0	
[illegible].22		3036	0.001	------	10.0	
		5535	0.001			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.38		372	9.288e-05	------	10.0	
14.55		664457	0.166	------	10.0	
14.98		3118	0.001	------	10.0	
15.23		3264	0.001	------	10.0	
15.36		2819	0.001	------	10.0	
		674029	0.169			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.20		1794	0.000	------	10.0	
		1794	0.000			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.10		4752	0.001	------	10.0	
		4752	0.001			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.86		2349	0.001	------	10.0	
18.82		2868	0.001	------	10.0	
		5216	0.001			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

==========

r port stored in ASCII file: C:\TC4\DATA_01\O09A103A.TX0

Software Version: 4.1<2F12>
Sample Name : 162-MB
Sample Number: DLJ1V101B
Operator :

Time : 10/12/00 10:27 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: 10/11/00 03:07 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

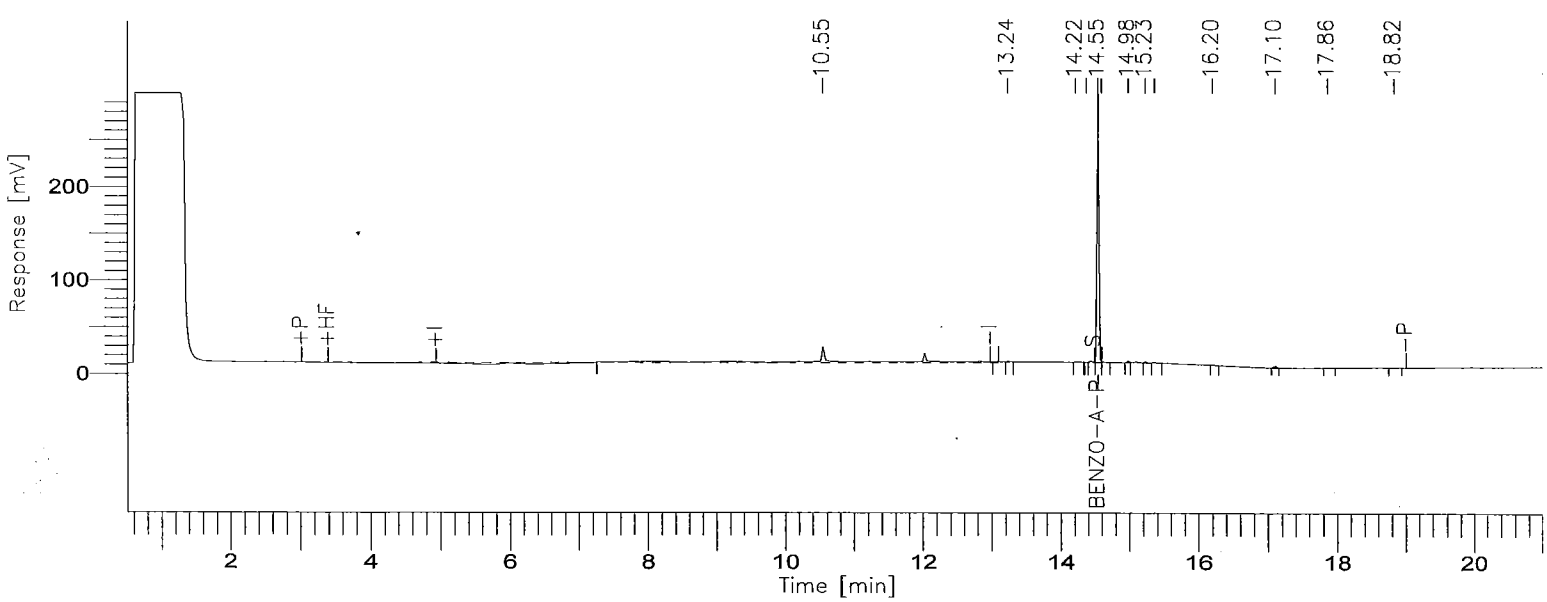
Raw Data File : C:\TC4\DATA_01\O09A103.RAW
Result File : C:\TC4\DATA_01\O09A103.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O09A103.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O09A103.R
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O09A103.R
Sequence File : C:\TC4\DATA_01\O09A.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 : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 13



000871

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.03	DIESEL C10-C24	0	0.000	------	10.0	
14.55	BENZO-A-PYRENE	663364	15.715	125.7	10.0	
		663364	15.715			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O09A103.TX0

Lot/Sample: E0J040000-369C INTRA-LAB CHECK TICs.....: N Report Results: Y
WO#.....: DLJ1V-1-02 Est. Results: Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/11/00
Inject Time..: 15:37 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O09A104
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....:10/02/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/04 14:42:56
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/04/00
QC Batch.....: 0278369
MS Run Number:
Prep Time....: 12:00-12:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....: TEPH1561-1DCS/5000PPM/1M
Surrogate: TEPH1562-1SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Spike Amount	Measured Amount	%REC	%RPD	Data Qual	Report Qual
04490	Diesel Range Organics (			250	NA	0	0		NA
04980	Diesel Range Organics			250	NA	0	0		NA
05013	Motor Oil Range Organic			250	NA	0	0		NA
03052	TPH (as Diesel)			250	320.2352	128.0	0		
03053	TPH (as Motor Oil)			250	NA	0	0		NA

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	14.732	117.8568		NA

Software Version: 4.1<2F12>
Sample Name : 162-LCS
Sample Number: DLJ1V102C
Operator :

Time : 10/12/00 10:30 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: 10/11/00 03:37 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

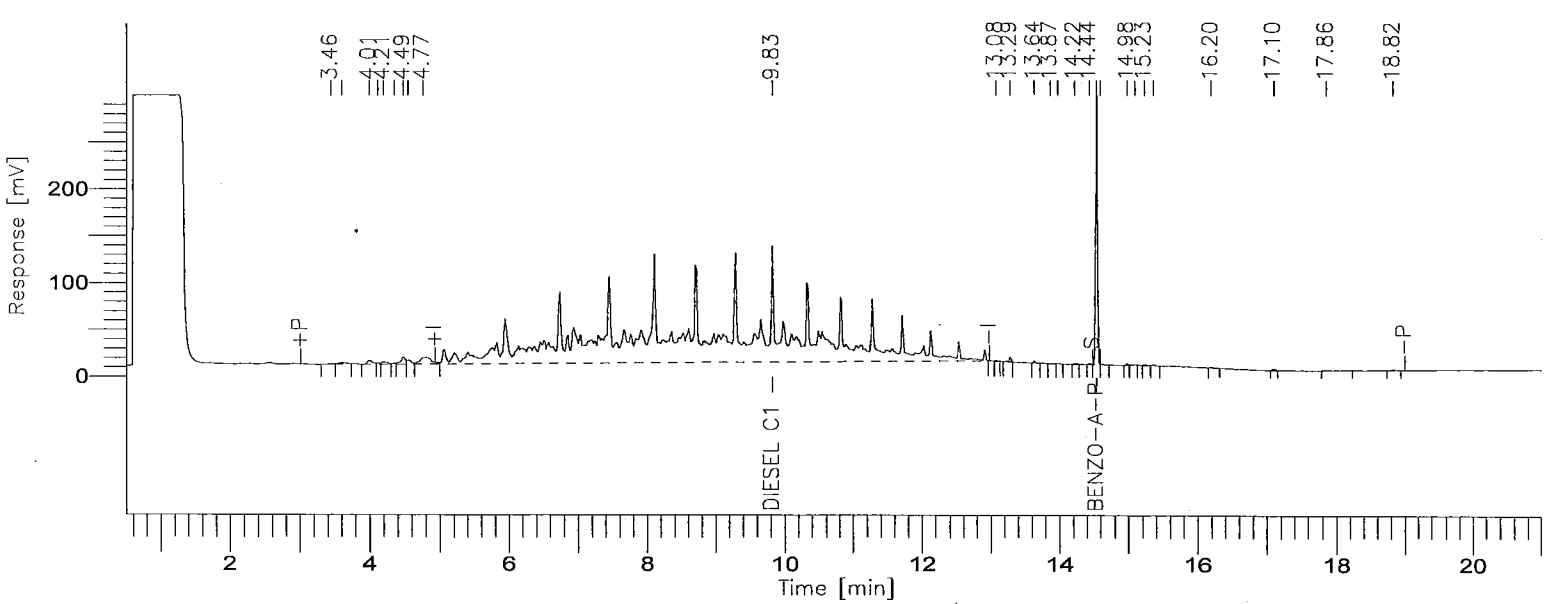
Raw Data File : C:\TC4\DATA_01\O09A104.RAW
Result File : C:\TC4\DATA_01\O09A104.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O09A104.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O09A104.R
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O09A104.R
Sequence File : C:\TC4\DATA_01\O09A.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 : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 27



000874

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% RECOVERY
9.833	DIESEL C10-C24	9468605.30	320.2352	250.00	128.09
14.549	BENZO-A-PYRENE	621860.29	14.7321	12.50	117.86
		10090465.58	334.9673	262.50	245.95

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O09A104.TX0

Software Version: 4.1<2F12>
Sample Name : 162-LCS Time : 10/12/00 10:27 AM
Sample Number: DLJ1V102C Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/11/00 03:37 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

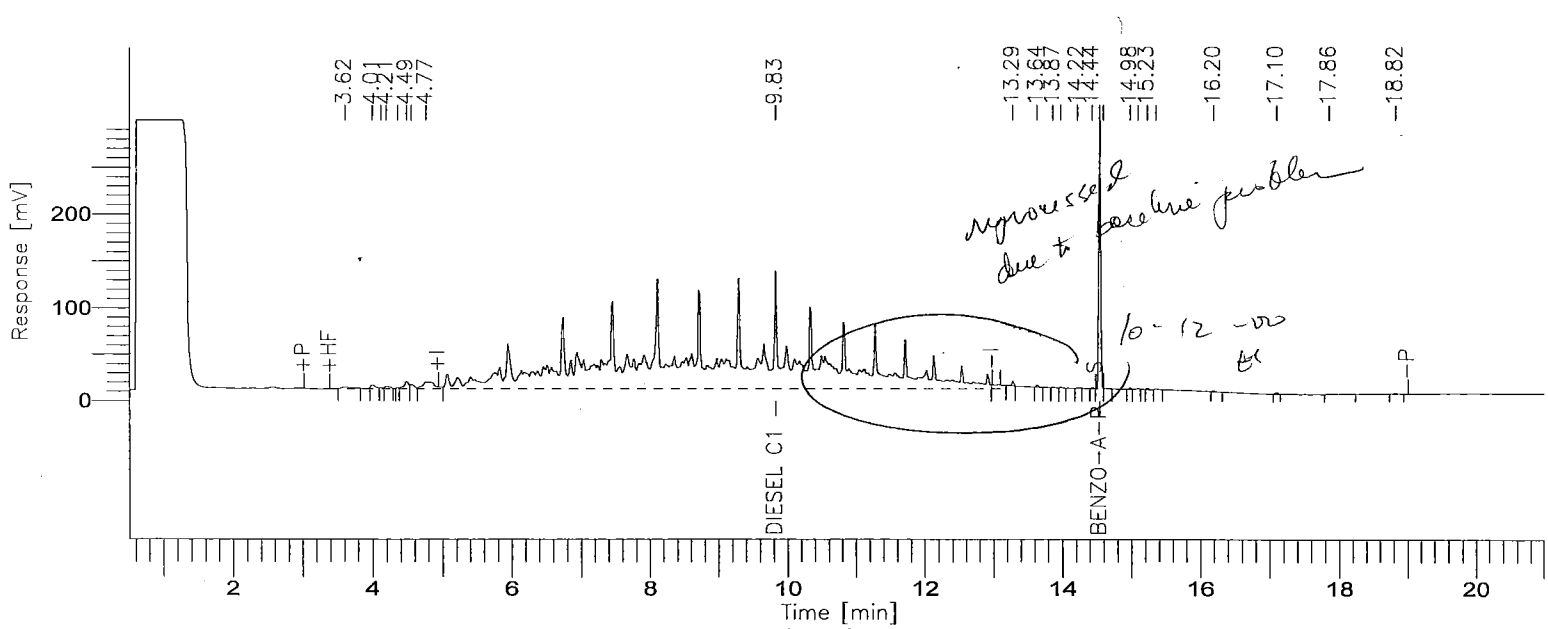
Raw Data File : C:\TC4\DATA_01\O09A104.RAW
Result File : C:\TC4\DATA_01\O09A104.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O09A104.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O09A104.R
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O09A104.R
Sequence File : C:\TC4\DATA_01\O09A.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 : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 25



000876

BOE-C6-0149294

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% RECOVERY
9.833	DIESEL C10-C24	10489334.00	354.7569	250.00	141.90
14.549	BENZO-A-PYRENE	621860.29	14.7321	12.50	117.86
		11111194.29	369.4891	262.50	259.76

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O09A104.TX0

Lot/Sample: E0J030150-001 C-2-34-5 TICs.....: N Report Results: Y
WO#.....: DLFGE-1-02 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/11/00
Inject Time..: 17:38 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O09A108A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....:10/02/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/13 11:51:56
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/04/00
QC Batch.....: 0278369
MS Run Number: 0278177
Prep Time....: 12:00-16:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1562-1SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
04490	Diesel Range Organics (	*		NA	10			NA
05120	C8-C9			ND	10	5		
05121	C10-C11			ND	10	5		
05122	C12-C13			ND	10	5		
05123	C14-C15			ND	10	5		
05124	C16-C17			ND	10	5		
05125	C18-C19			ND	10	5		
05201	C20-C23			ND	10	5		
05202	C24-C27			ND	10	5		
05203	C28-C31			ND	10	5		
05204	C32-C35			ND	10	5		
05205	C36-C39			ND	10	5		
05132	C40+			ND	10	5		
05136	Total Carbon Chain Rang			9.7477	10	5	J	J
04980	Diesel Range Organics	*		NA	10	6		NA
05013	Motor Oil Range Organic	*		NA	10	5		NA
03052	TPH (as Diesel)	*		NA	10	5		NA
03053	TPH (as Motor Oil)	*		ND	10	5		

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual

(Continued on next page)

Lot/Sample: E0J030150-001 C-2-34-5 TICs.....: N Report Results: Y
WO#.....: DLFGE-1-02 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	12.961	103.688		

Notes:

J Estimated result. Result is less than RL.

Software Version: 4.1<2F12>
Sample Name : 150-01 Time : 10/12/00 10:56 AM
Sample Number: DLFGE102 Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/11/00 05:38 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

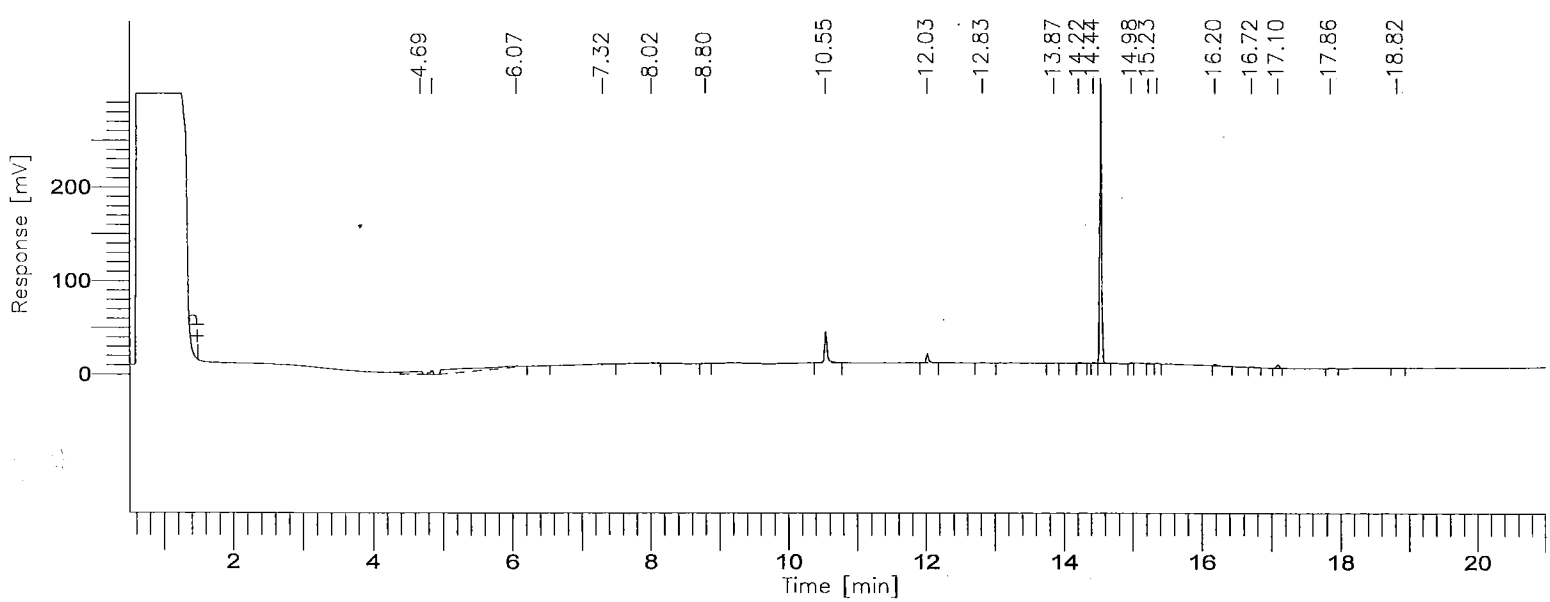
Raw Data File : C:\TC4\DATA_01\O09A108A.RAW
Result File : C:\TC4\DATA_01\O09A108A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O09A108A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O09B.SEQ

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 : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 21



000880

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	63470	1.588	------	10.0	
5.77	C10-C11	208569	4.942	------	10.0	
7.31	C12-C13	15893	0.370	------	10.0	
8.59	C14-C15	11148	0.231	------	10.0	
9.69	C16-C17	0	0.000	------	10.0	
10.72	C18-C19	82377	1.715	------	10.0	
12.02	C20-C23	23201	0.267	------	10.0	
13.53	C24-C27	4877	0.058	------	10.0	
14.82	C28-C31	567598	6.610	------	10.0	
15.90	C32-C35	5195	0.060	------	10.0	
16.99	C36-C39	11816	0.138	------	10.0	
19.29	C40+	5744	0.139	------	10.0	
		999888	16.119			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
4.69		50127	0.013	------	10.0	
4.86		13343	0.003	------	10.0	
		63470	0.016			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
6.07		208569	0.052	------	10.0	
		208569	0.052			

Group Report For : C12-C13

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

7.32		15893	0.004	------	10.0
		15893	0.004		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.02		10415	0.003	------	10.0	
8.80		733	0.000	------	10.0	
		11148	0.003			

Group Report For : C16-C17

No peaks available to report

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.55		82377	0.021	------	10.0	
		82377	0.021			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.03		23201	0.006	------	10.0	
		23201	0.006			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.83		1501	0.000	------	10.0	
13.87		756	0.000	------	10.0	
14.22		2620	0.001	------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
		4877	0.001			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.44		2792	0.001	------	10.0	
14.55		557620	0.139	------	10.0	
14.98		2468	0.001	------	10.0	
15.23		2539	0.001	------	10.0	
15.36		2179	0.001	------	10.0	
		567598	0.142			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.20		5195	0.001	------	10.0	
		5195	0.001			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.72		1842	0.000	------	10.0	
17.10		9974	0.002	------	10.0	
		11816	0.003			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.86		2632	0.001	------	10.0	
18.82		3112	0.001	------	10.0	
		5744	0.001			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O09A108A.TX0

Software Version: 4.1<2F12>
Sample Name : 150-01 Time : 10/11/00 05:59 PM
Sample Number: DLFGE102 Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/11/00 05:38 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

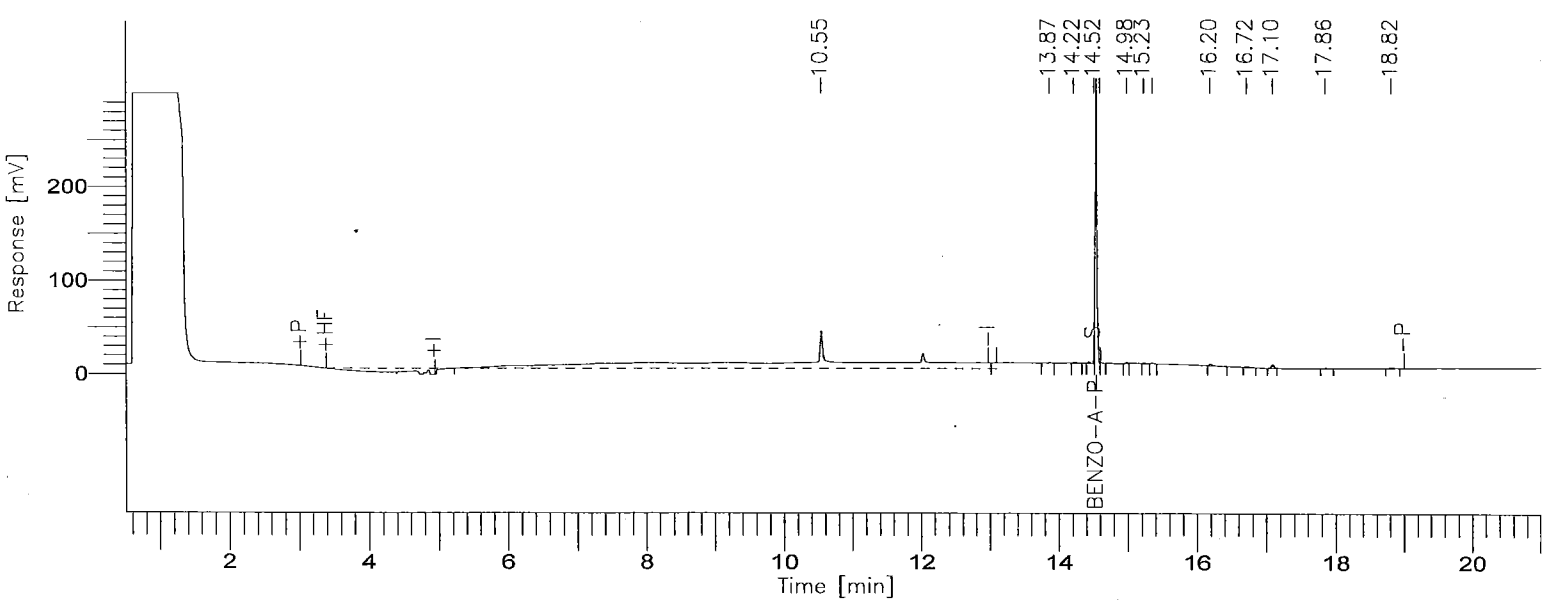
Raw Data File : C:\TC4\DATA_01\O09A108.RAW
Result File : C:\TC4\DATA_01\O09A108.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O09A108.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_01\O09A.SEQ

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 : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 14



000885

BOE-C6-0149303

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.03	DIESEL C10-C24	0	0.000	------	10.0	
14.55	BENZO-A-PYRENE	547093	12.961	103.7	10.0	
		547093	12.961			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O09A108.TX0

Lot/Sample: E0J030150-001S C-2-34-5 TICs.....: N Report Results: Y
WO#.....: DLFGE-1-1W Est. Results: Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/11/00
Inject Time..: 18:08 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O09A109
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....:10/02/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/03 15:25:24
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/04/00
QC Batch.....: 0278369
MS Run Number: 0278177
Prep Time....: 12:00-12:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....: TEPH1561-1DCS/5000PPM/1M
Surrogate: TEPH1562-1SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Spike Amount	Measured Amount	%REC	%RPD	Data Qual	Report Qual
04490	Diesel Range Organics (			250	NA	0	0		NA
	Sample amount: NA								
04980	Diesel Range Organics			250	NA	0	0		NA
	Sample amount: NA								
05013	Motor Oil Range Organic			250	NA	0	0		NA
	Sample amount: NA								
03052	TPH (as Diesel)			250	298.2481	119.2	2.21		
	Sample amount: NA								
03053	TPH (as Motor Oil)			250	NA	0	0		NA
	Sample amount: ND								

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	13.803	110.4256		NA

Software Version: 4.1<2F12>
Sample Name : 150-01 MS Time : 10/12/00 10:32 AM
Sample Number: DLFGE11WS Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/11/00 06:08 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

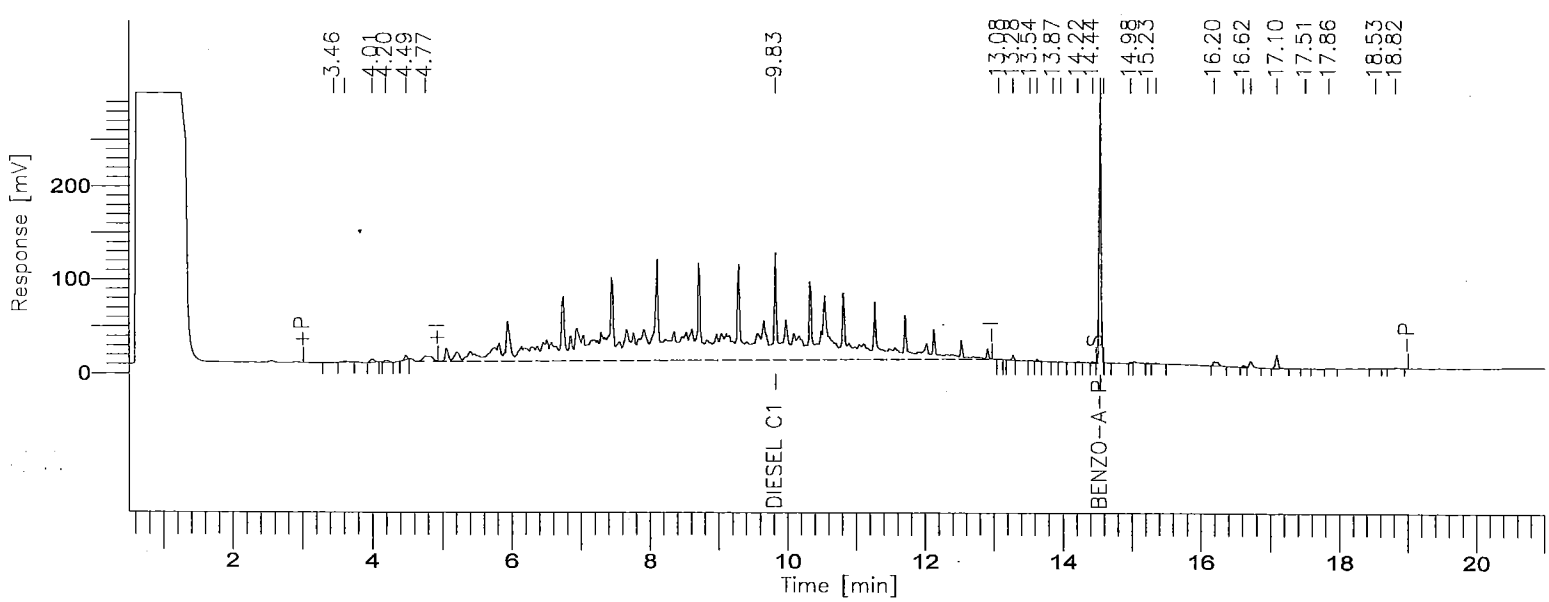
Raw Data File : C:\TC4\DATA_01\O09A109.RAW
Result File : C:\TC4\DATA_01\O09A109.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O09A109.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O09A109.R
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O09A109.R
Sequence File : C:\TC4\DATA_01\O09A.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 : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 28



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% RECOVERY
9.832	DIESEL C10-C24	8818499.00	298.2481	250.00	119.30
14.548	BENZO-A-PYRENE	582648.72	13.8032	12.50	110.43
		9401147.72	312.0513	262.50	229.72

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O09A109.TX0

Software Version: 4.1<2F12>
Sample Name : 150-01 MS
Sample Number: DLFGE11WS
Operator :

Time : 10/11/00 06:29 PM
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: 10/11/00 06:08 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

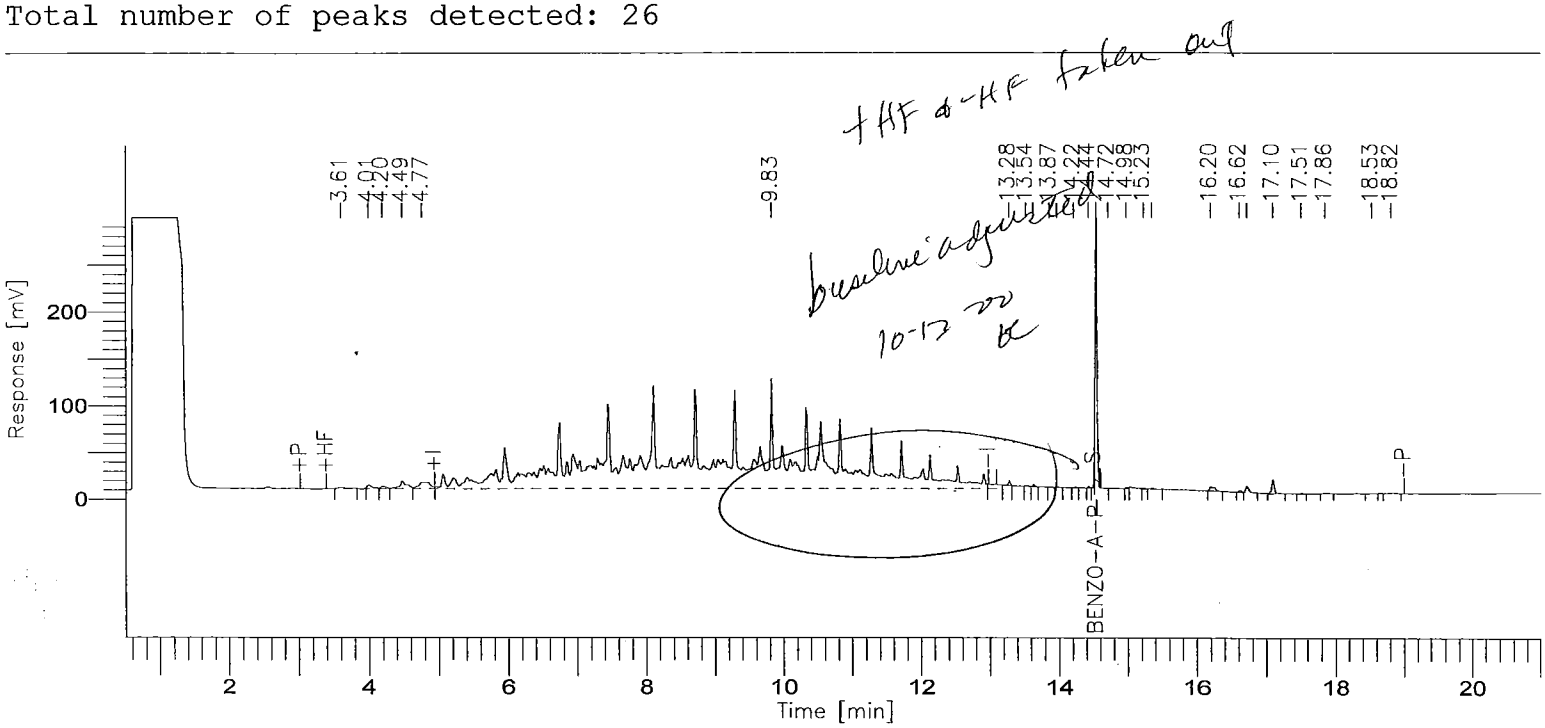
Raw Data File : C:\TC4\DATA_01\O09A109.RAW
Result File : C:\TC4\DATA_01\O09A109.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O09A109.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_01\O09A.SEQ

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 : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 26



000830

BOE-C6-0149308

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.03	DIESEL C10-C24	0	0.000	------	10.0	
14.55	BENZO-A-PYRENE	533658	12.643	101.1	10.0	
		533658	12.643			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O09A109.TX0

Lot/Sample: E0J030150-001D C-2-34-5 TICs.....: N Report Results: Y
WO#.....: DLFGE-1-1X Est. Results: Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/11/00
Inject Time..: 18:39 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O09A110
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....:10/02/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 10/10/03 15:25:36
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/04/00
QC Batch.....: 0278369
MS Run Number: 0278177
Prep Time....: 12:00-12:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....: TEPH1561-1DCS/5000PPM/1M
Surrogate: TEPH1562-1SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Spike Amount	Measured Amount	%REC	%RPD	Data Qual	Report Qual
04490	Diesel Range Organics (			250	NA	0	0		NA
	Sample amount: NA								
04980	Diesel Range Organics			250	NA	0	0		NA
	Sample amount: NA								
05013	Motor Oil Range Organic			250	NA	0	0		NA
	Sample amount: NA								
03052	TPH (as Diesel)			250	304.9418	121.9	2.21		
	Sample amount: NA								
03053	TPH (as Motor Oil)			250	NA	0	0		NA
	Sample amount: ND								

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	13.637	109.0976		NA

Software Version: 4.1<2F12>
Sample Name : 150-01 MSD
Sample Number: DLFGE11XD
Operator :

Time : 10/12/00 10:33 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: 10/11/00 06:39 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

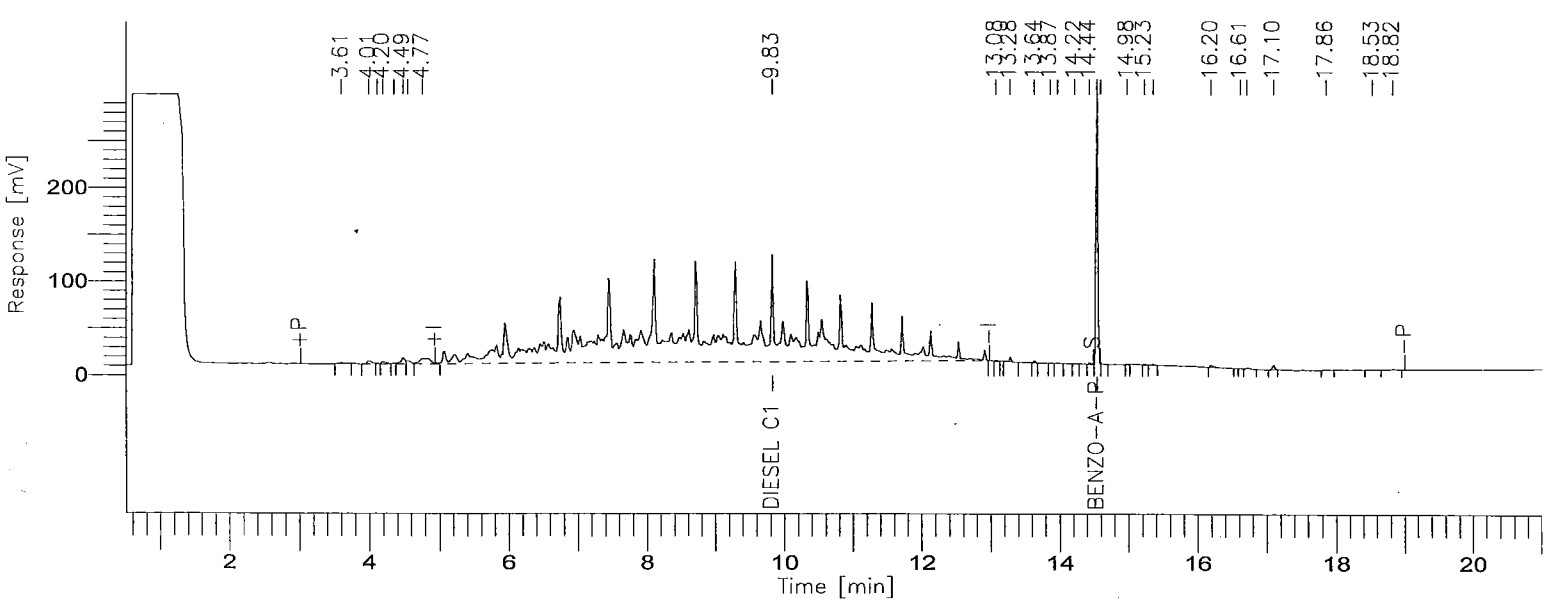
Raw Data File : C:\TC4\DATA_01\O09A110.RAW
Result File : C:\TC4\DATA_01\O09A110.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O09A110.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O09A110.R
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O09A110.R
Sequence File : C:\TC4\DATA_01\O09A.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 : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 28



000893

BOE-C6-0149311

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% RECOVERY
9.833	DIESEL C10-C24	9016415.38	304.9418	250.00	121.98
14.548	BENZO-A-PYRENE	575641.00	13.6372	12.50	109.10
		9592056.38	318.5789	262.50	231.07

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O09A110.TX0

Software Version: 4.1<2F12>
Sample Name : 150-01 MSD Time : 10/11/00 06:59 PM
Sample Number: DLFGE11XD Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/11/00 06:39 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

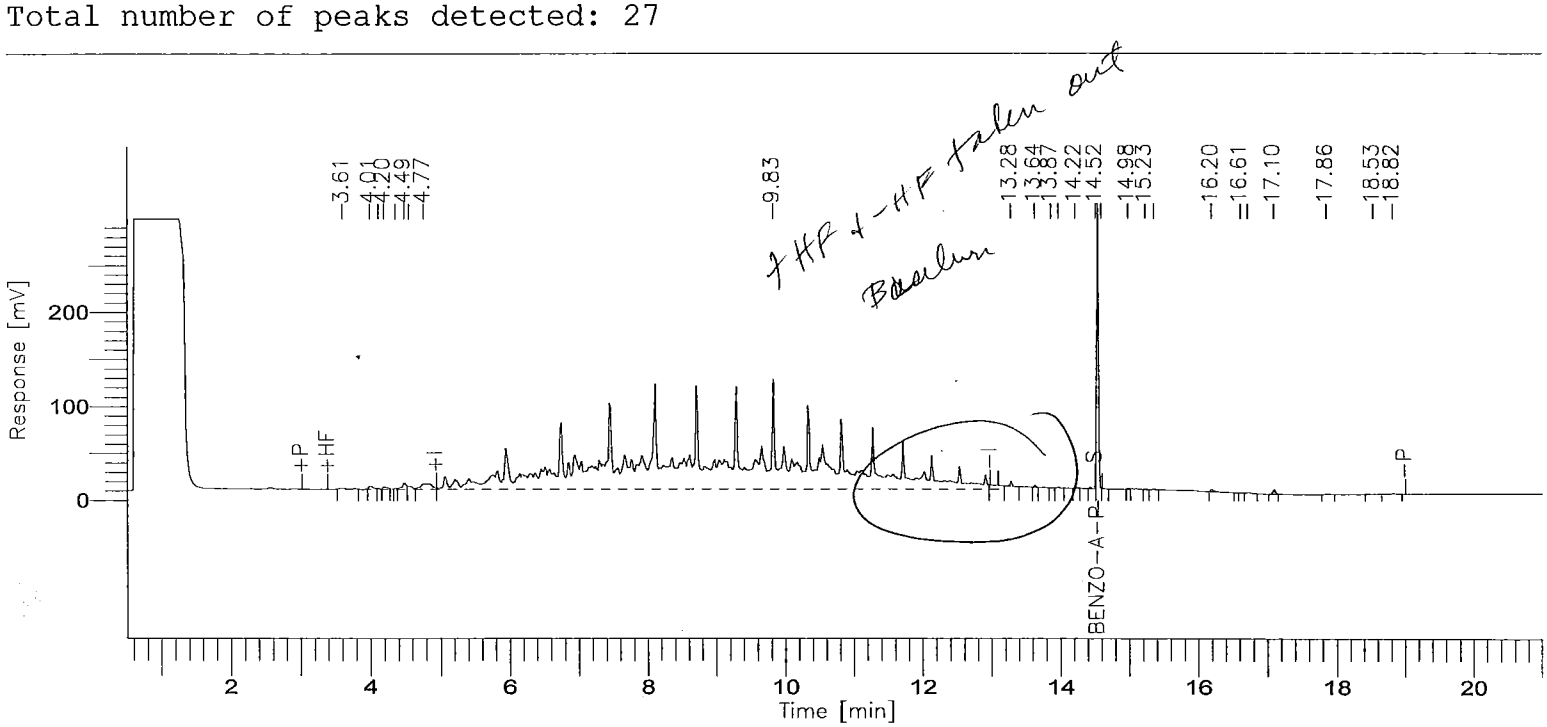
Raw Data File : C:\TC4\DATA_01\O09A110.RAW
Result File : C:\TC4\DATA_01\O09A110.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O09A110.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_01\O09A.SEQ

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 : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 27



000895

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.03	DIESEL C10-C24	0	0.000	------	10.0	
14.55	BENZO-A-PYRENE	564539	13.374	107.0	10.0	
		564539	13.374			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O09A110.TX0

Lot/Sample: E0J030150-003 C-2-35-1.5 TICs.....: N Report Results: Y
WO#.....: DLFGQ-1-02 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/11/00
Inject Time..: 19:09 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O09A111A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....:10/02/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/13 11:52:33
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/04/00
QC Batch.....: 0278369
MS Run Number: 0278177
Prep Time....: 12:00-16:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1562-1SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05120	C8-C9			ND	10	5		
05121	C10-C11			ND	10	5		
05122	C12-C13			ND	10	5		
05123	C14-C15			ND	10	5		
05124	C16-C17			ND	10	5		
05125	C18-C19			ND	10	5		
05201	C20-C23			ND	10	5		
05202	C24-C27			ND	10	5		
05203	C28-C31			ND	10	5		
05204	C32-C35			ND	10	5		
05205	C36-C39			ND	10	5		
05132	C40+			ND	10	5		
05136	Total Carbon Chain Rang			5.2279	10	5	J	J

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	11.129	89.032		

Notes:

J Estimated result. Result is less than RL.

(Continued on next page)

Lot/Sample: E0J030150-003 C-2-35-1.5 TICs.....: N Report Results: Y
WO#.....: DLFGQ-1-02 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Notes:

Software Version: 4.1<2F12>
Sample Name : 150-03 Time : 10/12/00 10:56 AM
Sample Number: DLFGQ102 Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/11/00 07:09 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

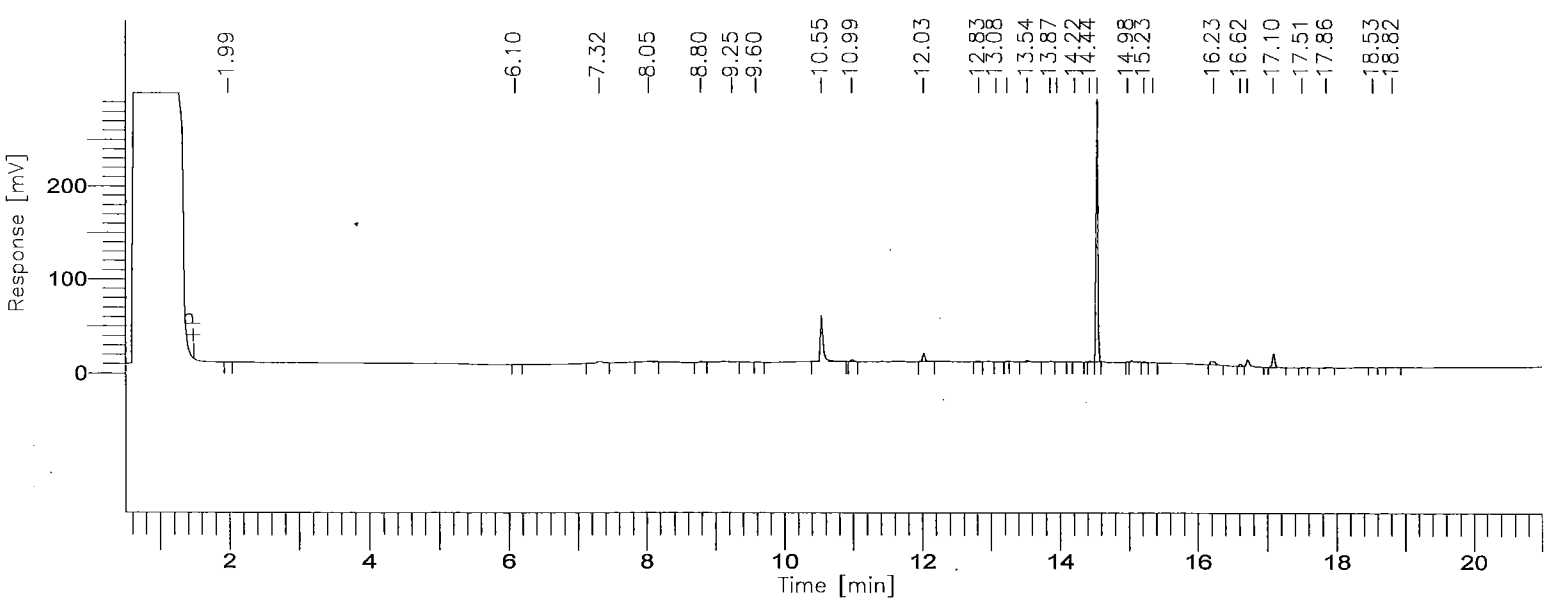
Raw Data File : C:\TC4\DATA_01\O09A111A.RAW
Result File : C:\TC4\DATA_01\O09A111A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O09A111A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O09B.SEQ

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 : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 30



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	690	0.017	------	10.0	
5.77	C10-C11	523	0.012	------	10.0	
7.31	C12-C13	11390	0.265	------	10.0	
8.59	C14-C15	7382	0.153	------	10.0	
9.69	C16-C17	7656	0.177	------	10.0	
10.72	C18-C19	134917	2.809	------	10.0	
12.02	C20-C23	21212	0.244	------	10.0	
13.53	C24-C27	12599	0.150	------	10.0	
14.82	C28-C31	488650	5.690	------	10.0	
15.90	C32-C35	20191	0.234	------	10.0	
16.99	C36-C39	66829	0.780	------	10.0	
19.29	C40+	6838	0.166	------	10.0	
		778876	10.698			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
1.99		690	0.000	------	10.0	
		690	0.000			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
6.10		523	0.000	------	10.0	
		523	0.000			

Group Report For : C12-C13

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

7.32		11390	0.003	------	10.0	
		11390	0.003			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.05		3277	0.001	------	10.0	
8.80		4105	0.001	------	10.0	
		7382	0.002			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.25		7317	0.002	------	10.0	
9.60		339	8.475e-05	------	10.0	
		7656	0.002			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.55		129753	0.032	------	10.0	
10.99		5164	0.001	------	10.0	
		134917	0.034			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.03		21212	0.005	------	10.0	
		21212	0.005			

Group Report For : C24-C27

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

12.83	1070	0.000	------	10.0
13.08	421	0.000	------	10.0
.24	1021	0.000	------	10.0
13.54	4096	0.001	------	10.0
13.87	2141	0.001	------	10.0
13.97	1232	0.000	------	10.0
14.22	2618	0.001	------	10.0
	12599	0.003		

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.44		2452	0.001	------	10.0	
14.55		479985	0.120	------	10.0	
14.98		1560	0.000	------	10.0	
15.23		2747	0.001	------	10.0	
15.36		1905	0.000	------	10.0	
		488650	0.122			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.23		20191	0.005	------	10.0	
		20191	0.005			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.62		5719	0.001	------	10.0	
16.72		22849	0.006	------	10.0	
17.10		36816	0.009	------	10.0	
17.51		1444	0.000	------	10.0	
		66829	0.017			

Group Report For : C40+

Time	Component	Area	Final Results	% SURR	REP. LIMIT	FN

[min]	Name	[µV·s]	(ppm)	REC	mg/kg
17.86		2486	0.001	------	10.0
.53		709	0.000	------	10.0
18.82		3642	0.001	------	10.0
		6838	0.002		

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O09A111A.TX0

Software Version: 4.1<2F12>
Sample Name : 150-03 Time : 10/11/00 07:30 PM
Sample Number: DLFGQ102 Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/11/00 07:09 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

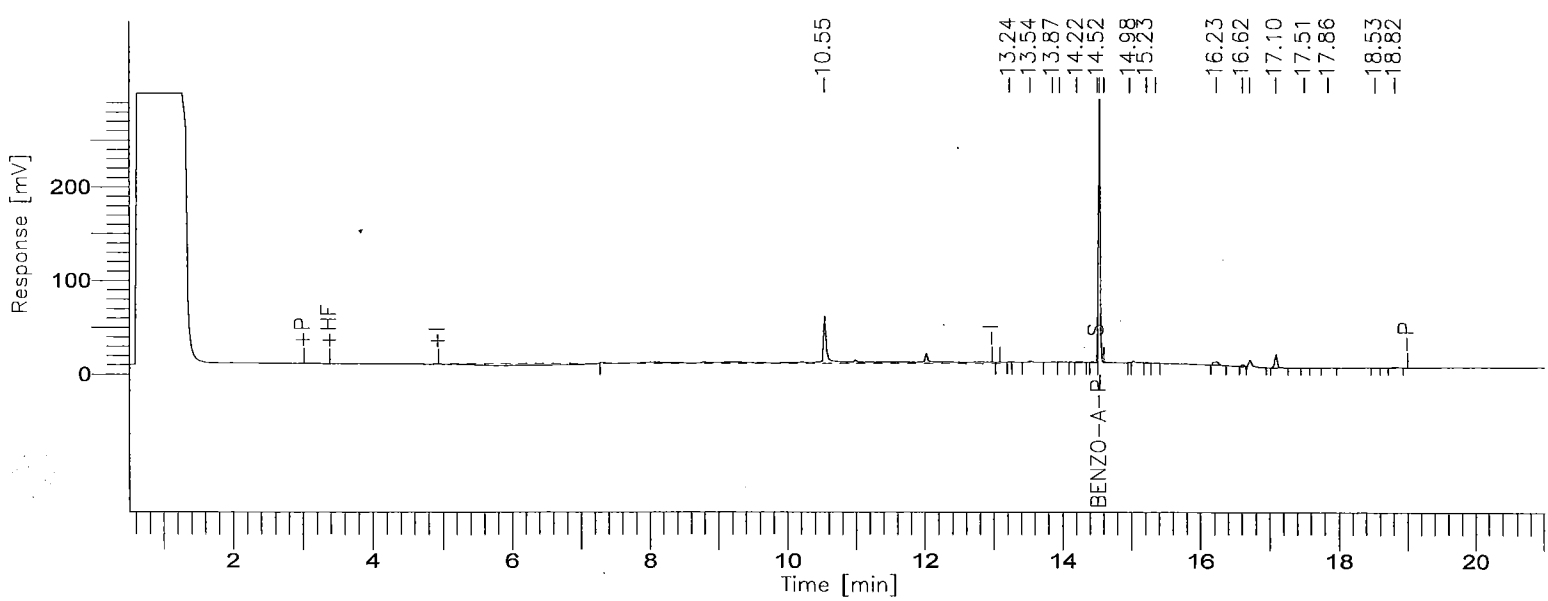
Raw Data File : C:\TC4\DATA_01\O09A111.RAW
Result File : C:\TC4\DATA_01\O09A111.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O09A111.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_01\O09A.SEQ

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 : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 20



000904

BOE-C6-0149322

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.03	DIESEL C10-C24	0	0.000	------	10.0	
14.55	BENZO-A-PYRENE	469764	11.129	89.0	10.0	
		469764	11.129			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O09A111.TX0

Lot/Sample: E0J030150-004 C-2-35-5 TICs.....: N Report Results: Y
WO#.....: DLFGV-1-02 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/11/00
Inject Time..: 19:39 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O09A112A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....:10/02/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/13 11:52:46
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/04/00
QC Batch.....: 0278369
MS Run Number: 0278177
Prep Time....: 12:00-16:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1562-1SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05120	C8-C9			ND	10	5		
05121	C10-C11			ND	10	5		
05122	C12-C13			ND	10	5		
05123	C14-C15			ND	10	5		
05124	C16-C17			ND	10	5		
05125	C18-C19			ND	10	5		
05201	C20-C23			ND	10	5		
05202	C24-C27			ND	10	5		
05203	C28-C31			ND	10	5		
05204	C32-C35			ND	10	5		
05205	C36-C39			ND	10	5		
05132	C40+			ND	10	5		
05136	Total Carbon Chain Rang			ND	10	5		

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	13.210	105.68		

Software Version: 4.1<2F12>
Sample Name : 150-04 Time : 10/12/00 10:56 AM
Sample Number: DLFGV102 Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/11/00 07:39 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

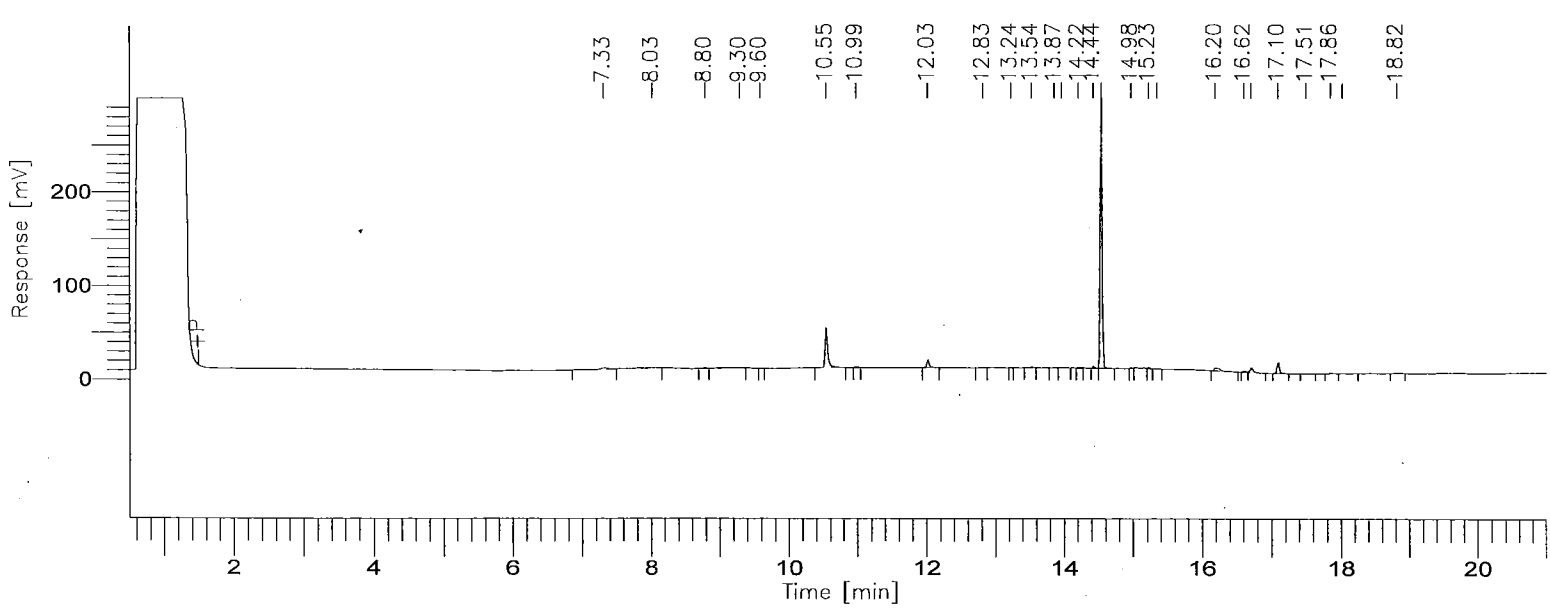
Raw Data File : C:\TC4\DATA_01\O09A112A.RAW
Result File : C:\TC4\DATA_01\O09A112A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O09A112A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O09B.SEQ

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 : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 27



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	0	0.000	------	10.0	
5.77	C10-C11	0	0.000	------	10.0	
7.31	C12-C13	13042	0.304	------	10.0	
8.59	C14-C15	11437	0.237	------	10.0	
9.69	C16-C17	11764	0.272	------	10.0	
10.72	C18-C19	111990	2.331	------	10.0	
12.02	C20-C23	19210	0.221	------	10.0	
13.53	C24-C27	10059	0.120	------	10.0	
14.82	C28-C31	580338	6.758	------	10.0	
15.90	C32-C35	15737	0.183	------	10.0	
16.99	C36-C39	49901	0.582	------	10.0	
19.29	C40+	7964	0.193	------	10.0	
		831444	11.202			

Group Report For : C8-C9

No peaks available to report

Group Report For : C10-C11

No peaks available to report

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.32		13042	0.003	------	10.0	
		13042	0.003			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
[illegible].03		8475	0.002	------	10.0	
8.80		2962	0.001	------	10.0	
		11437	0.003			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.30		11474	0.003	------	10.0	
9.60		291	7.263e-05	------	10.0	
		11764	0.003			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
[illegible].55		109536	0.027	------	10.0	
10.99		2455	0.001	------	10.0	
		111990	0.028			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.03		19210	0.005	------	10.0	
		19210	0.005			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
[illegible] 83		637	0.000	------	10.0	
[illegible].24		1506	0.000	------	10.0	
13.54		2280	0.001	------	10.0	
13.87		1605	0.000	------	10.0	
13.98		1647	0.000	------	10.0	
14.22		2384	0.001	------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
		10059	0.003			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.44		2836	0.001	------	10.0	
14.55		571068	0.143	------	10.0	
14.98		2052	0.001	------	10.0	
15.23		2454	0.001	------	10.0	
15.36		1929	0.000	------	10.0	
		580338	0.145			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.20		15737	0.004	------	10.0	
		15737	0.004			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.62		4009	0.001	------	10.0	
16.72		16433	0.004	------	10.0	
17.10		28226	0.007	------	10.0	
17.51		1233	0.000	------	10.0	
		49901	0.012			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.86		2883	0.001	------	10.0	
18.03		1296	0.000	------	10.0	
18.82		3786	0.001	------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
		7964	0.002			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O09A112A.TX0

Software Version: 4.1<2F12>
Sample Name : 150-04 Time : 10/11/00 08:00 PM
Sample Number: DLFGV102 Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/11/00 07:39 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

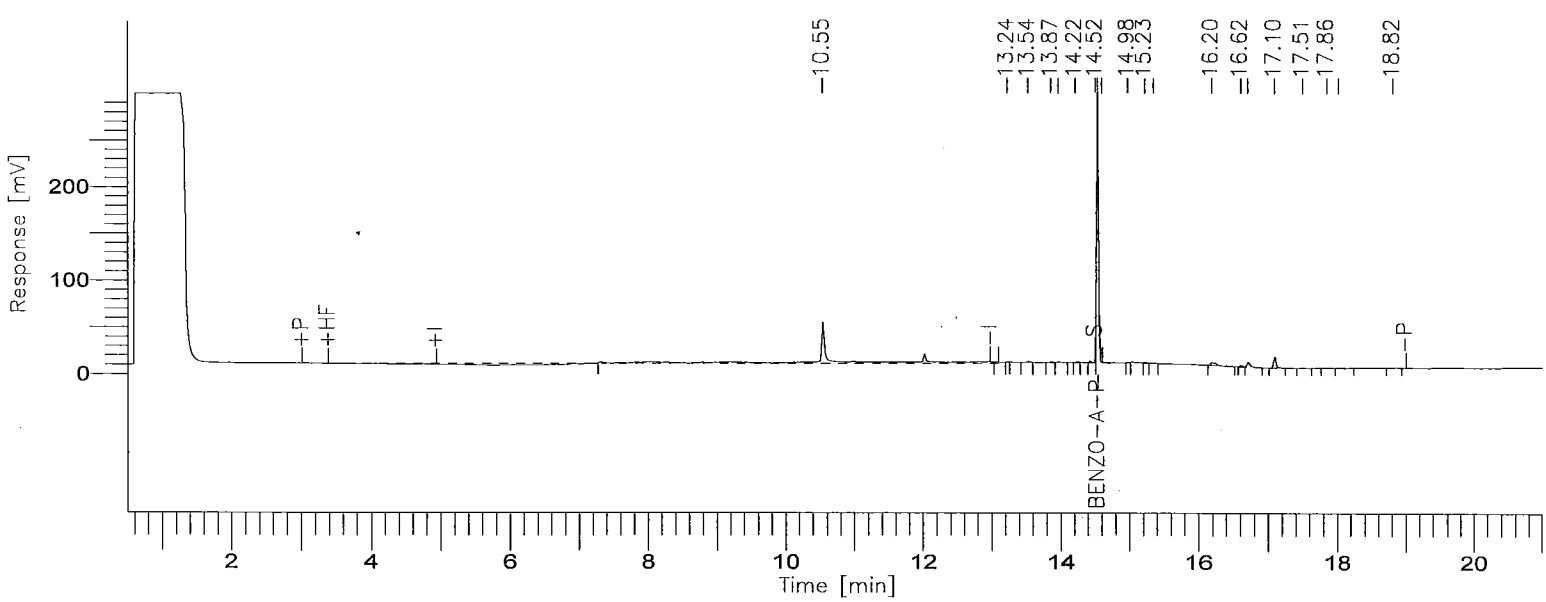
Raw Data File : C:\TC4\DATA_01\O09A112.RAW
Result File : C:\TC4\DATA_01\O09A112.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O09A112.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_01\O09A.SEQ

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 : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 20



000912

BOE-C6-0149330

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.03	DIESEL C10-C24	0	0.000	------	10.0	
14.55	BENZO-A-PYRENE	557598	13.210	105.7	10.0	
		557598	13.210			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O09A112.TX0

Lot/Sample: E0J030150-005 C-2-36-5 TICs.....: N Report Results: Y
WO#.....: DLFHQ-1-02 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/11/00
Inject Time..: 21:09 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O09A115A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....:10/02/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/13 11:52:56
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/04/00
QC Batch.....: 0278369
MS Run Number: 0278177
Prep Time....: 12:00-16:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1562-1SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05120	C8-C9			ND	10	5		
05121	C10-C11			ND	10	5		
05122	C12-C13			ND	10	5		
05123	C14-C15			ND	10	5		
05124	C16-C17			ND	10	5		
05125	C18-C19			ND	10	5		
05201	C20-C23			ND	10	5		
05202	C24-C27			ND	10	5		
05203	C28-C31			ND	10	5		
05204	C32-C35			ND	10	5		
05205	C36-C39			ND	10	5		
05132	C40+			ND	10	5		
05136	Total Carbon Chain Rang			ND	10	5		

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	11.273	90.184		

Software Version: 4.1<2F12>
Sample Name : 150-05 Time : 10/12/00 11:09 AM
Sample Number: DLFHQ102 Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/11/00 09:09 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

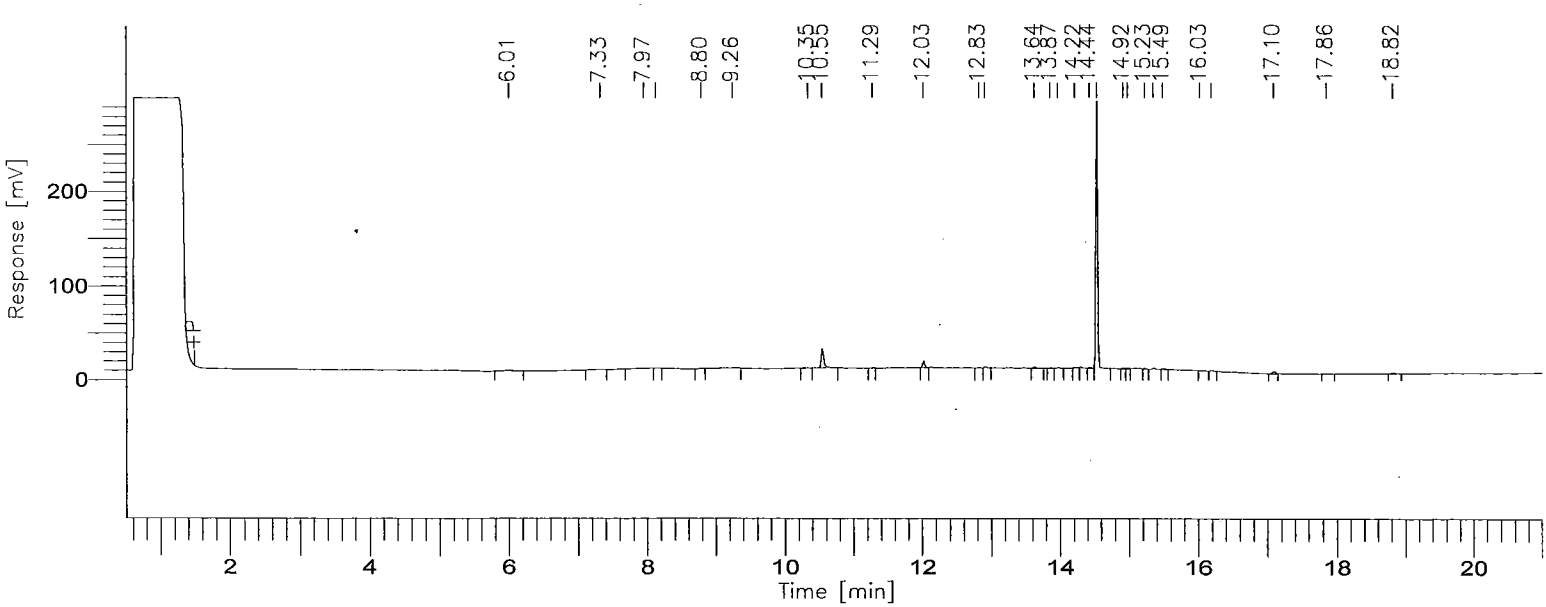
Raw Data File : C:\TC4\DATA_01\O09A115A.RAW
Result File : C:\TC4\DATA_01\O09A115A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O09A115A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O09B.SEQ

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 : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 28



000915

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	0	0.000	------	10.0	
5.77	C10-C11	10291	0.244	------	10.0	
7.31	C12-C13	11230	0.262	------	10.0	
8.59	C14-C15	4575	0.095	------	10.0	
9.69	C16-C17	9155	0.211	------	10.0	
10.72	C18-C19	52932	1.102	------	10.0	
12.02	C20-C23	17044	0.196	------	10.0	
13.53	C24-C27	8512	0.101	------	10.0	
14.82	C28-C31	500356	5.827	------	10.0	
15.90	C32-C35	4954	0.058	------	10.0	
16.99	C36-C39	6188	0.072	------	10.0	
19.29	C40+	5659	0.137	------	10.0	
		630895	8.305			

Group Report For : C8-C9

No peaks available to report

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
6.01		10291	0.003	------	10.0	
		10291	0.003			

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.33		5161	0.001	------	10.0	
7.97		6069	0.002	------	10.0	

	11230	0.003

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.14		1327	0.000	------	10.0	
8.80		3247	0.001	------	10.0	
		4575	0.001			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.26		9155	0.002	------	10.0	
		9155	0.002			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.35		1006	0.000	------	10.0	
10.55		51926	0.013	------	10.0	
		52932	0.013			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.28		972	0.000	------	10.0	
12.03		16072	0.004	------	10.0	
		17044	0.004			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.83		567	0.000	------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
[illegible].92		2352	0.001	------	10.0	
13.64		2468	0.001	------	10.0	
13.87		742	0.000	------	10.0	
13.98		806	0.000	------	10.0	
14.22		1577	0.000	------	10.0	
		8512	0.002			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.44		2756	0.001	------	10.0	
14.55		489156	0.122	------	10.0	
14.92		1600	0.000	------	10.0	
14.98		2082	0.001	------	10.0	
15.23		2168	0.001	------	10.0	
15.36		2593	0.001	------	10.0	
		500356	0.125			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.49		1152	0.000	------	10.0	
16.03		1072	0.000	------	10.0	
16.19		2730	0.001	------	10.0	
		4954	0.001			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.10		6188	0.002	------	10.0	
		6188	0.002			

Group Report For : C40+

Time	Component	Area	Final Results	% SURR	REP. LIMIT	FN

[min]	Name	[µV·s]	(ppm)	REC	mg/kg
17.86		2370	0.001	------	10.0
18.82		3288	0.001	------	10.0
		5659	0.001		

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O09A115A.TX0

Software Version: 4.1<2F12>
Sample Name : 150-05 Time : 10/11/00 09:30 PM
Sample Number: DLFHQ102 Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/11/00 09:09 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

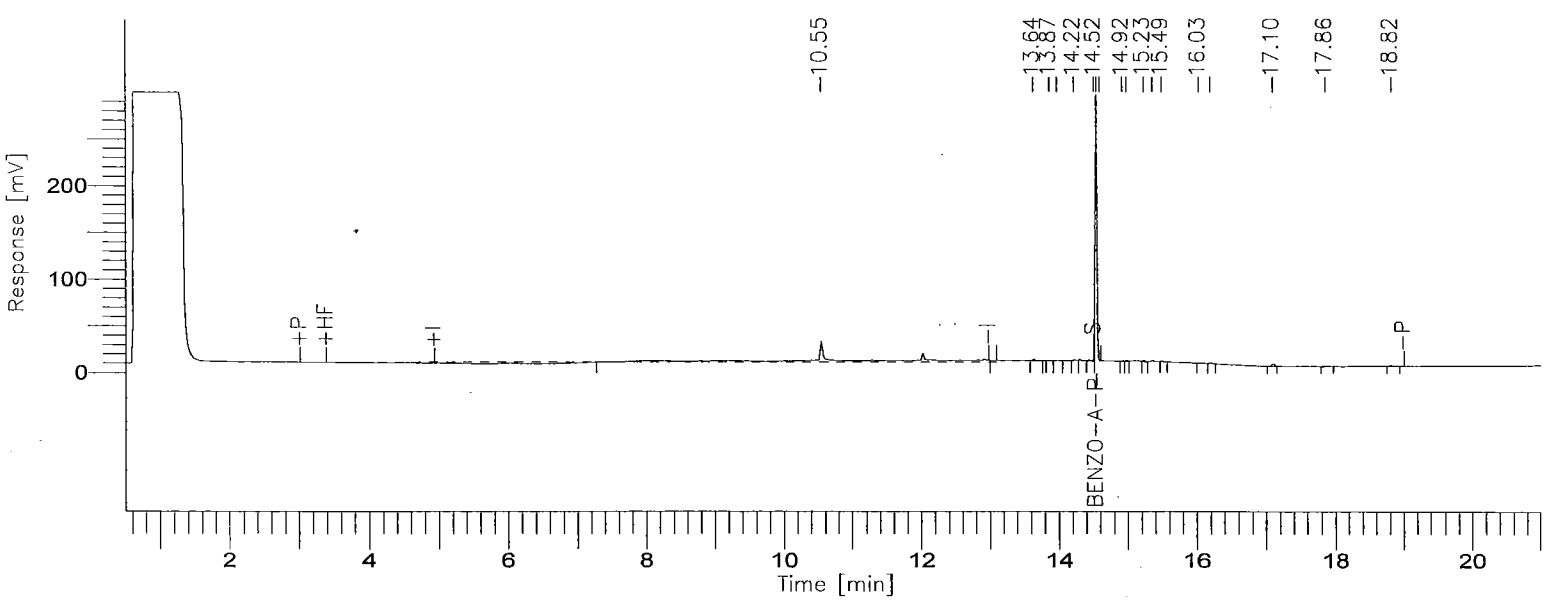
Raw Data File : C:\TC4\DATA_01\O09A115.RAW
Result File : C:\TC4\DATA_01\O09A115.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O09A115.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_01\O09A.SEQ

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 : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 18



000920

BOE-C6-0149338

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.03	DIESEL C10-C24	0	0.000	------	10.0	
14.55	BENZO-A-PYRENE	475855	11.273	90.2	10.0	
		475855	11.273			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O09A115.TX0

Lot/Sample: E0J030150-007 C-2-37-5 TICs.....: N Report Results: Y
WO#.....: DLFHX-1-02 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/11/00
Inject Time..: 21:39 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O09A116A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....:10/02/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/13 11:53:06
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/04/00
QC Batch.....: 0278369
MS Run Number: 0278177
Prep Time....: 12:00-16:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1562-1SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05120	C8-C9			ND	10	5		
05121	C10-C11			ND	10	5		
05122	C12-C13			ND	10	5		
05123	C14-C15			ND	10	5		
05124	C16-C17			ND	10	5		
05125	C18-C19			ND	10	5		
05201	C20-C23			ND	10	5		
05202	C24-C27			ND	10	5		
05203	C28-C31			ND	10	5		
05204	C32-C35			ND	10	5		
05205	C36-C39			ND	10	5		
05132	C40+			ND	10	5		
05136	Total Carbon Chain Rang			ND	10	5		

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	11.927	95.416		

Software Version: 4.1<2F12>
Sample Name : 150-07 Time : 10/12/00 11:09 AM
Sample Number: DLFHX102 Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/11/00 09:39 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

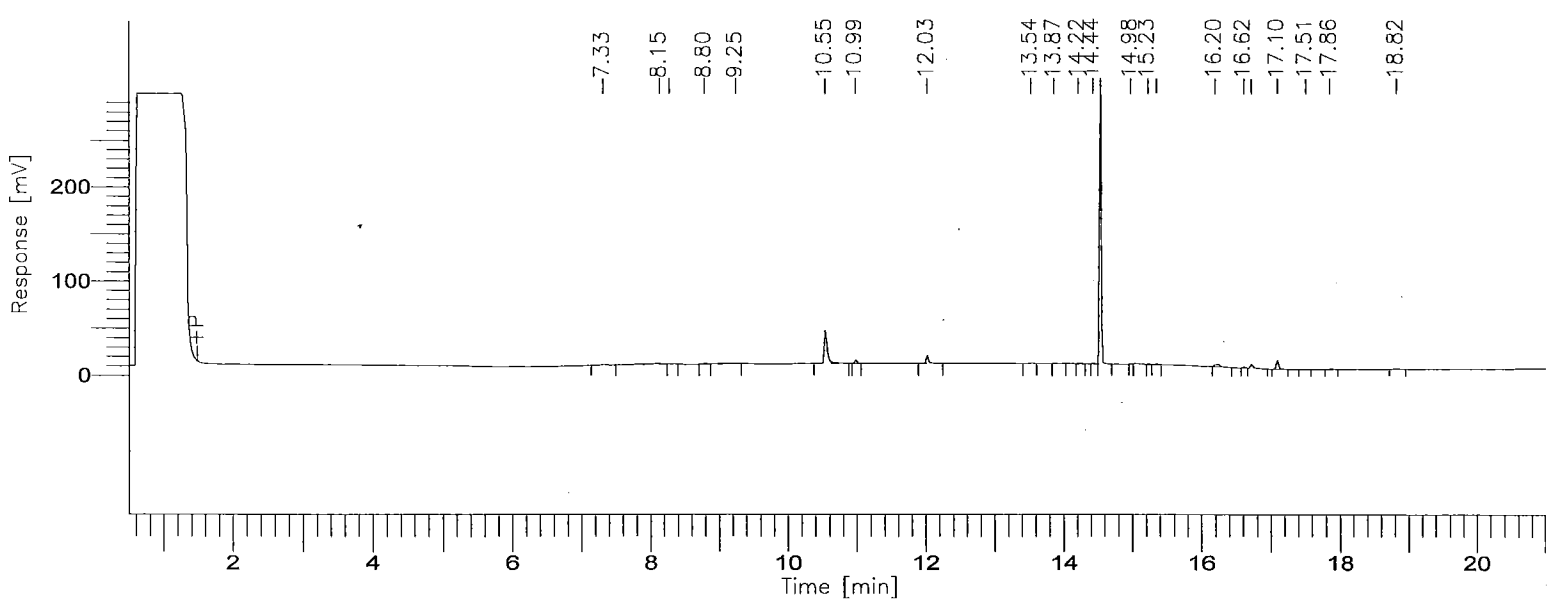
Raw Data File : C:\TC4\DATA_01\O09A116A.RAW
Result File : C:\TC4\DATA_01\O09A116A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O09A116A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O09B.SEQ

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 : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 23



000923

BOE-C6-0149341

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	0	0.000	------	10.0	
5.77	C10-C11	0	0.000	------	10.0	
7.31	C12-C13	8946	0.208	------	10.0	
8.59	C14-C15	33421	0.694	------	10.0	
9.69	C16-C17	6742	0.156	------	10.0	
10.72	C18-C19	111877	2.329	------	10.0	
12.02	C20-C23	19462	0.224	------	10.0	
13.53	C24-C27	5758	0.069	------	10.0	
14.82	C28-C31	524626	6.109	------	10.0	
15.90	C32-C35	12446	0.145	------	10.0	
16.99	C36-C39	38491	0.449	------	10.0	
19.29	C40+	6154	0.149	------	10.0	
		767924	10.532			

Group Report For : C8-C9

No peaks available to report

Group Report For : C10-C11

No peaks available to report

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.32		8946	0.002	------	10.0	
		8946	0.002			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
[illegible]15		27262	0.007	------	10.0	
8.28		2597	0.001	------	10.0	
8.80		3562	0.001	------	10.0	
		33421	0.008			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.25		6742	0.002	------	10.0	
		6742	0.002			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
[illegible].55		103587	0.026	------	10.0	
10.99		8290	0.002	------	10.0	
		111877	0.028			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.03		19462	0.005	------	10.0	
		19462	0.005			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
[illegible]54		1788	0.000	------	10.0	
[illegible].87		1525	0.000	------	10.0	
14.22		2445	0.001	------	10.0	
		5758	0.001			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.44		2868	0.001	------	10.0	
14.55		515856	0.129	------	10.0	
14.98		2003	0.001	------	10.0	
15.23		2052	0.001	------	10.0	
15.36		1847	0.000	------	10.0	
		524626	0.131			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.20		12446	0.003	------	10.0	
		12446	0.003			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.62		2888	0.001	------	10.0	
16.72		12579	0.003	------	10.0	
17.10		21968	0.005	------	10.0	
17.51		1056	0.000	------	10.0	
		38491	0.010			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.86		2486	0.001	------	10.0	
18.82		3668	0.001	------	10.0	
		6154	0.002			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

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STL - LOS ANGELES

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Report stored in ASCII file: C:\TC4\DATA_01\O09A116A.TX0

Software Version: 4.1<2F12>
Sample Name : 150-07 Time : 10/11/00 10:00 PM
Sample Number: DLFHX102 Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/11/00 09:39 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

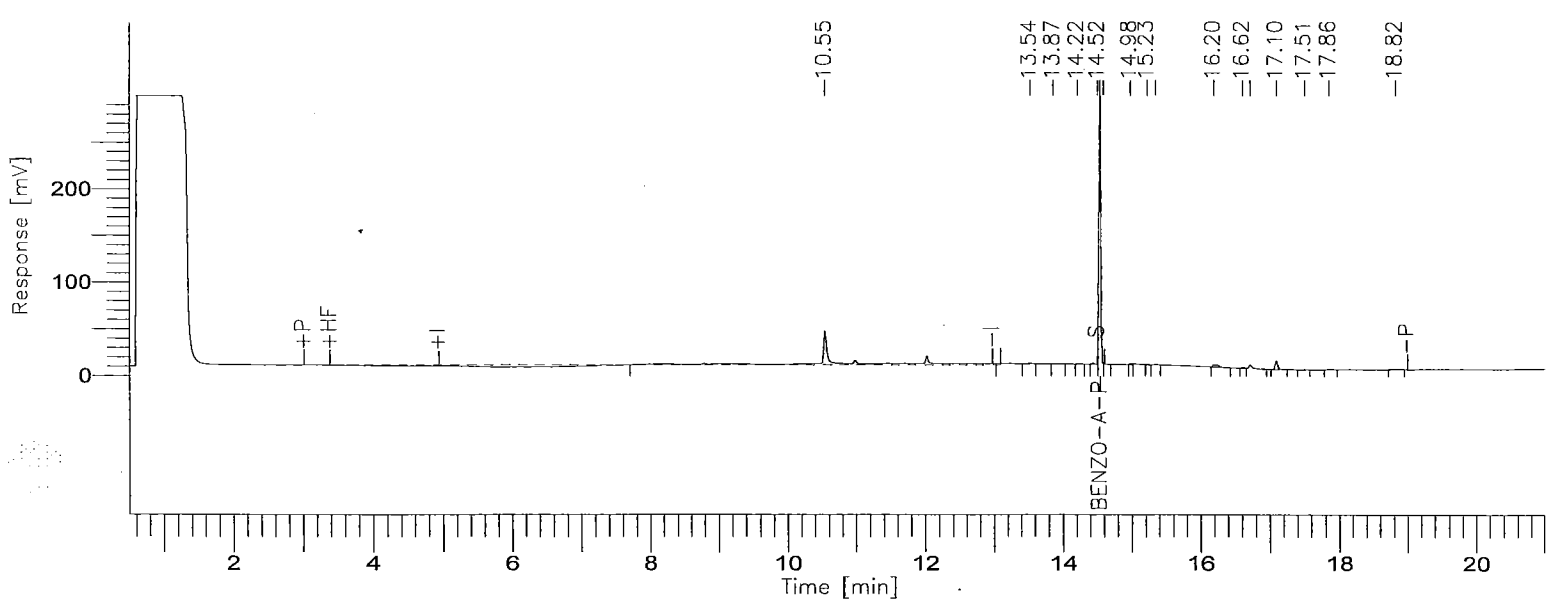
Raw Data File : C:\TC4\DATA_01\O09A116.RAW
Result File : C:\TC4\DATA_01\O09A116.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O09A116.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_01\O09A.SEQ

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 : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 17



000928

BOE-C6-0149346

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.03	DIESEL C10-C24	0	0.000	------	10.0	
14.55	BENZO-A-PYRENE	503458	11.927	95.4	10.0	
		503458	11.927			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O09A116.TX0

Lot/Sample: E0J030150-009 C-2-38-1.5 TICs.....: N Report Results: Y
WO#.....: DLFJ4-1-02 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/11/00
Inject Time..: 22:09 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O09A117A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....:10/02/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/13 11:53:19
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/04/00
QC Batch.....: 0278369
MS Run Number: 0278177
Prep Time....: 12:00-16:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1562-1SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05120	C8-C9			ND	10	5		
05121	C10-C11			ND	10	5		
05122	C12-C13			ND	10	5		
05123	C14-C15			ND	10	5		
05124	C16-C17			ND	10	5		
05125	C18-C19			ND	10	5		
05201	C20-C23			ND	10	5		
05202	C24-C27			ND	10	5		
05203	C28-C31			ND	10	5		
05204	C32-C35			ND	10	5		
05205	C36-C39			ND	10	5		
05132	C40+			ND	10	5		
05136	Total Carbon Chain Rang			6.4878	10	5	J	J

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	13.459	107.672		

Notes:

J Estimated result. Result is less than RL.

(Continued on next page)

Lot/Sample: E0J030150-009 C-2-38-1.5 TICs.....: N Report Results: Y
WO#.....: DLFJ4-1-02 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Notes:

Software Version: 4.1<2F12>
Sample Name : 150-09 Time : 10/12/00 11:09 AM
Sample Number: DLFJ4102 Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/11/00 10:09 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

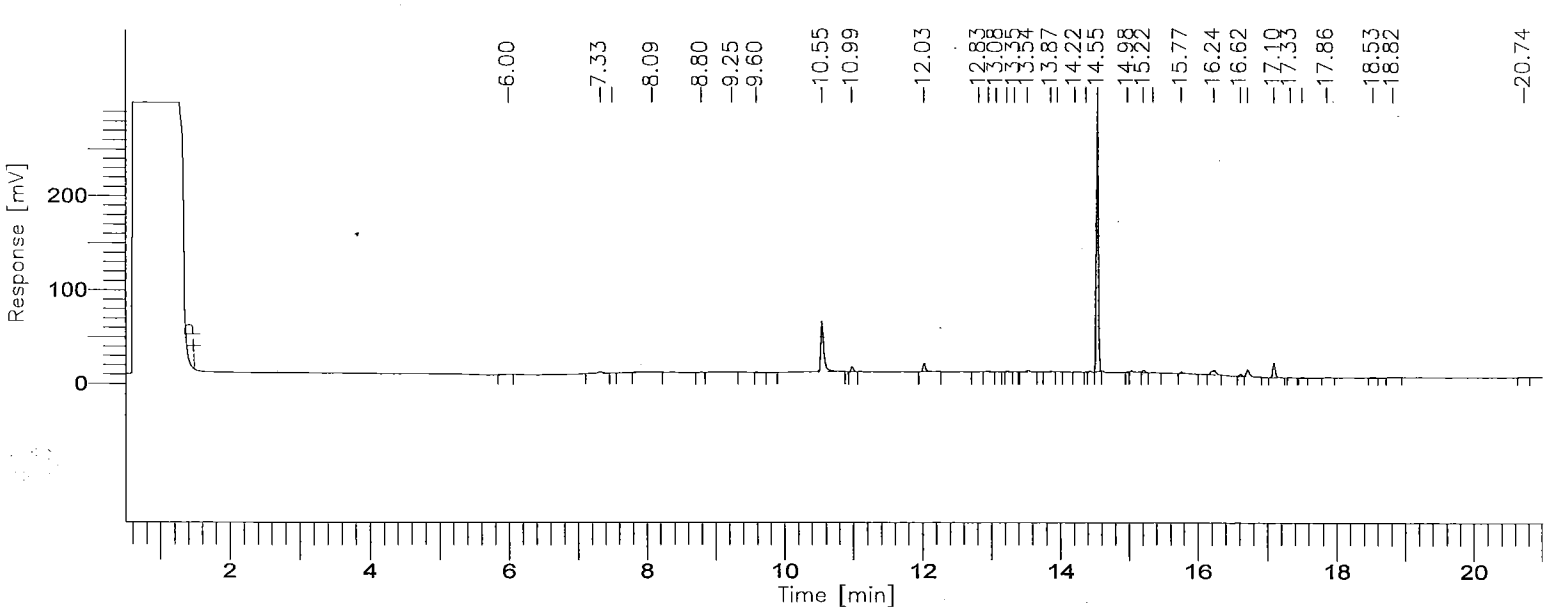
Raw Data File : C:\TC4\DATA_01\O09A117A.RAW
Result File : C:\TC4\DATA_01\O09A117A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O09A117A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O09B.SEQ

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 : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 35



000932

BOE-C6-0149350

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	0	0.000	------	10.0	
5.77	C10-C11	2097	0.050	------	10.0	
7.31	C12-C13	13218	0.308	------	10.0	
8.59	C14-C15	7291	0.151	------	10.0	
9.69	C16-C17	6884	0.159	------	10.0	
10.72	C18-C19	183764	3.825	------	10.0	
12.02	C20-C23	23192	0.267	------	10.0	
13.53	C24-C27	18850	0.225	------	10.0	
14.82	C28-C31	577222	6.722	------	10.0	
15.90	C32-C35	30369	0.353	------	10.0	
16.99	C36-C39	71569	0.835	------	10.0	
19.29	C40+	8644	0.209	------	10.0	
		943100	13.104			

Group Report For : C8-C9

No peaks available to report

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
6.00		2097	0.001	------	10.0	
		2097	0.001			

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.33		12461	0.003	------	10.0	
7.50		758	0.000	------	10.0	

	13218	0.003

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.09		5865	0.001	------	10.0	
8.80		1426	0.000	------	10.0	
		7291	0.002			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.25		6370	0.002	------	10.0	
9.60		514	0.000	------	10.0	
		6884	0.002			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.55		171969	0.043	------	10.0	
10.99		11795	0.003	------	10.0	
		183764	0.046			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.03		23192	0.006	------	10.0	
		23192	0.006			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.83		1439	0.000	------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
[illegible].97		2453	0.001	------	10.0	
13.08		463	0.000	------	10.0	
13.24		2425	0.001	------	10.0	
13.35		687	0.000	------	10.0	
13.54		4824	0.001	------	10.0	
13.87		2100	0.001	------	10.0	
13.96		1212	0.000	------	10.0	
14.22		3247	0.001	------	10.0	
		18850	0.005			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.38		556	0.000	------	10.0	
14.55		565876	0.141	------	10.0	
14.98		1722	0.000	------	10.0	
15.22		6839	0.002	------	10.0	
[illegible]36		2230	0.001	------	10.0	
		577222	0.144			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.77		6855	0.002	------	10.0	
16.24		23514	0.006	------	10.0	
		30369	0.008			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.62		5806	0.001	------	10.0	
[illegible]72		24810	0.006	------	10.0	
[illegible].10		38860	0.010	------	10.0	
17.33		745	0.000	------	10.0	
17.51		1349	0.000	------	10.0	
		71569	0.018			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.86		2675	0.001	------	10.0	
18.53		728	0.000	------	10.0	
18.82		4313	0.001	------	10.0	
20.74		928	0.000	------	10.0	
		8644	0.002			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O09A117A.TX0

Software Version: 4.1<2F12>
Sample Name : 150-09 Time : 10/12/00 10:36 AM
Sample Number: DLFJ4102 Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/11/00 10:09 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

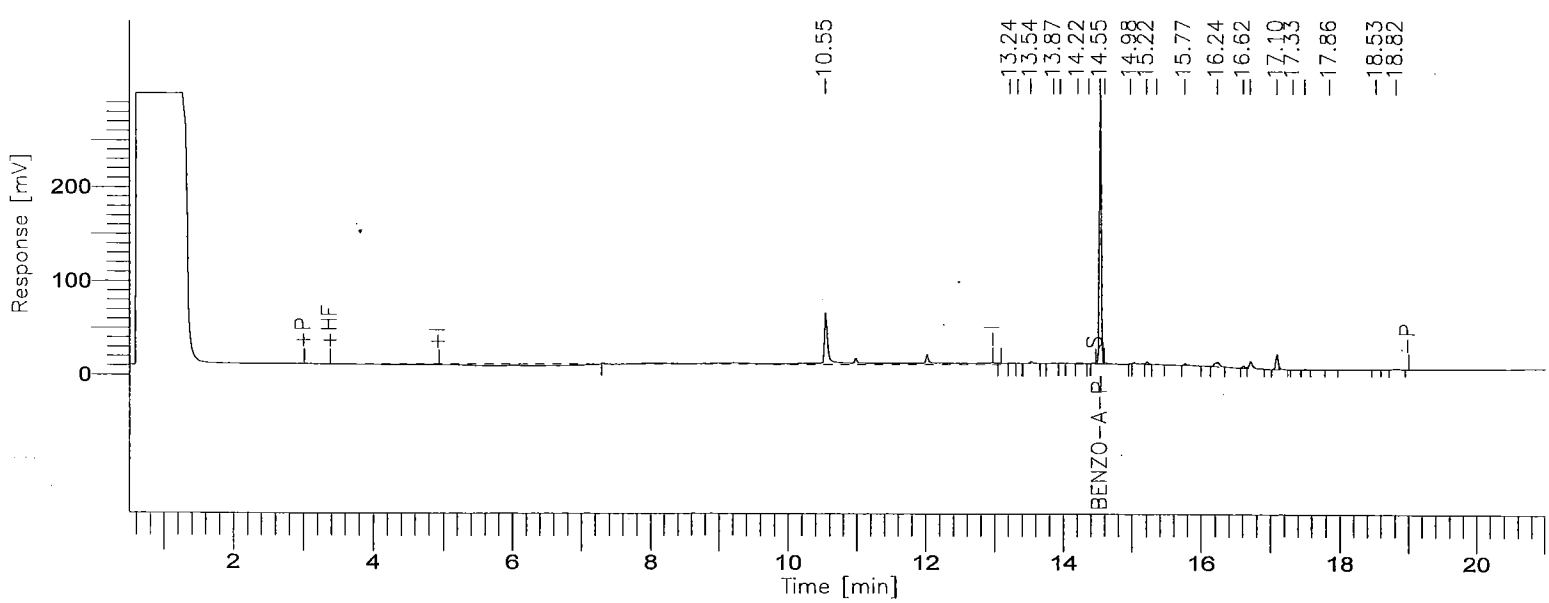
Raw Data File : C:\TC4\DATA_01\O09A117.RAW
Result File : C:\TC4\DATA_01\O09A117.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O09A117.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O09A117.R
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O09A117.R
Sequence File : C:\TC4\DATA_01\O09A.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 : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 23



000937

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.03	DIESEL C10-C24	0	0.000	------	10.0	
14.55	BENZO-A-PYRENE	568132	13.459	107.7	10.0	
		568132	13.459			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O09A117.TX0

Lot/Sample: E0J030150-010 C-2-38-5 TICs.....: N Report Results: Y
WO#.....: DLFJ6-1-02 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/11/00
Inject Time..: 22:39 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O09A118A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....:10/02/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/13 11:53:41
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/04/00
QC Batch.....: 0278369
MS Run Number: 0278177
Prep Time....: 12:00-16:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1562-1SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05120	C8-C9			ND	10	5		
05121	C10-C11			ND	10	5		
05122	C12-C13			ND	10	5		
05123	C14-C15			ND	10	5		
05124	C16-C17			ND	10	5		
05125	C18-C19			ND	10	5		
05201	C20-C23			ND	10	5		
05202	C24-C27			ND	10	5		
05203	C28-C31			ND	10	5		
05204	C32-C35			ND	10	5		
05205	C36-C39			ND	10	5		
05132	C40+			ND	10	5		
05136	Total Carbon Chain Rang			6.3563	10	5	J	J

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	11.297	90.376		

Notes:

J Estimated result. Result is less than RL.

(Continued on next page)

Lot/Sample: E0J030150-010 C-2-38-5 TICs.....: N Report Results: Y
WO#.....: DLFJ6-1-02 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Notes:

Software Version: 4.1<2F12>
Sample Name : 150-10 Time : 10/12/00 11:09 AM
Sample Number: DLFJ6102 Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/11/00 10:39 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

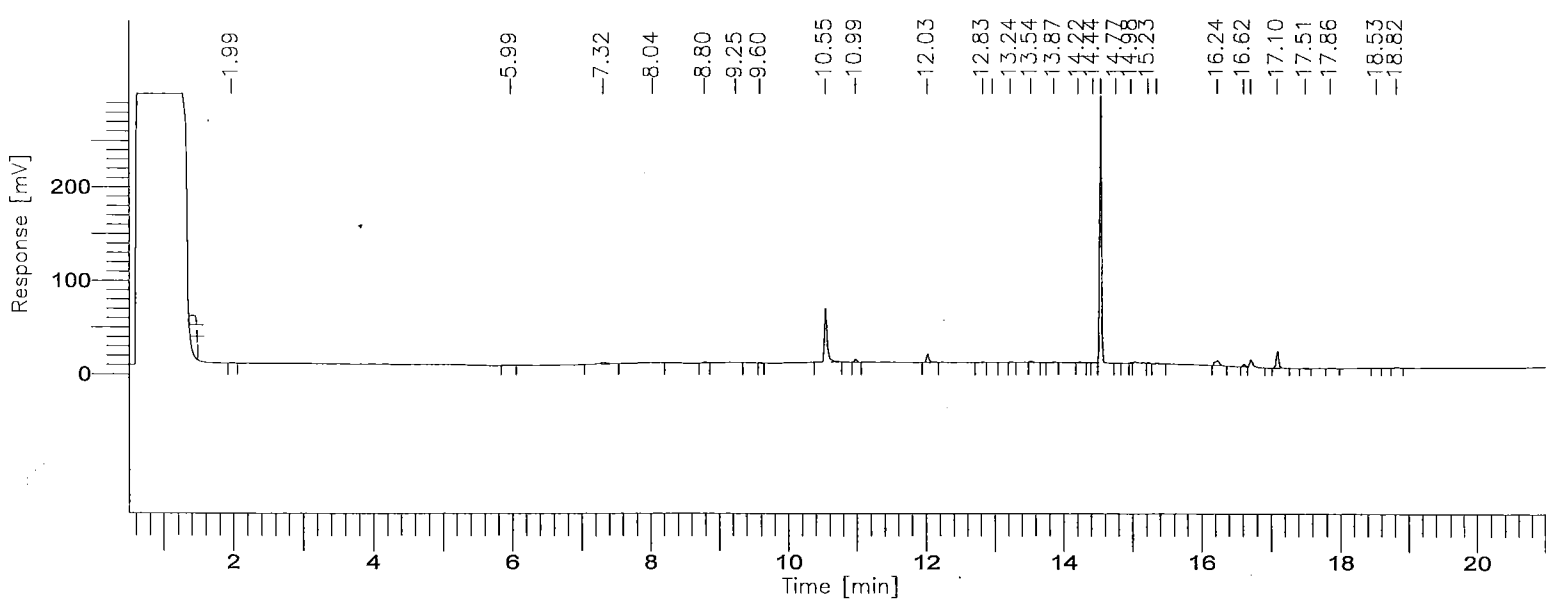
Raw Data File : C:\TC4\DATA_01\O09A118A.RAW
Result File : C:\TC4\DATA_01\O09A118A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O09A118A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O09B.SEQ

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 : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 30



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	672	0.017	------	10.0	
5.77	C10-C11	1460	0.035	------	10.0	
7.31	C12-C13	15955	0.372	------	10.0	
8.59	C14-C15	17878	0.371	------	10.0	
9.69	C16-C17	8812	0.204	------	10.0	
10.72	C18-C19	157491	3.279	------	10.0	
12.02	C20-C23	21201	0.244	------	10.0	
13.53	C24-C27	12335	0.147	------	10.0	
14.82	C28-C31	498701	5.808	------	10.0	
15.90	C32-C35	25403	0.295	------	10.0	
16.99	C36-C39	82099	0.958	------	10.0	
19.29	C40+	7500	0.182	------	10.0	
		849506	11.910			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
1.99		672	0.000	------	10.0	
		672	0.000			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.99		1460	0.000	------	10.0	
		1460	0.000			

Group Report For : C12-C13

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

7.32		15955	0.004	------	10.0	
		15955	0.004			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.04		13416	0.003	------	10.0	
8.80		4461	0.001	------	10.0	
		17878	0.004			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.25		8042	0.002	------	10.0	
9.60		770	0.000	------	10.0	
		8812	0.002			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.55		150655	0.038	------	10.0	
10.99		6836	0.002	------	10.0	
		157491	0.039			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.03		21201	0.005	------	10.0	
		21201	0.005			

Group Report For : C24-C27

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

12.83	1314	0.000	------	10.0	
12.98	723	0.000	------	10.0	
[illegible].24	1557	0.000	------	10.0	
13.54	3897	0.001	------	10.0	
13.87	1980	0.000	------	10.0	
14.22	2865	0.001	------	10.0	
	12335	0.003			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.44		2778	0.001	------	10.0	
14.55		489409	0.122	------	10.0	
14.77		435	0.000	------	10.0	
14.98		1609	0.000	------	10.0	
15.23		2365	0.001	------	10.0	
15.36		2105	0.001	------	10.0	
		498701	0.125			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.24		25403	0.006	------	10.0	
		25403	0.006			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.62		7750	0.002	------	10.0	
16.72		27057	0.007	------	10.0	
17.10		45859	0.011	------	10.0	
17.51		1433	0.000	------	10.0	
		82099	0.021			

Group Report For : C40+

Time	Component	Area	Final Results	% SURR	REP. LIMIT	FN

[min]	Name	[µV·s]	(ppm)	REC	mg/kg
17.86		3171	0.001	------	10.0
.53		797	0.000	------	10.0
18.82		3532	0.001	------	10.0
		7500	0.002		

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O09A118A.TX0

Software Version: 4.1<2F12>
Sample Name : 150-10 Time : 10/11/00 11:00 PM
Sample Number: DLFJ6102 Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/11/00 10:39 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

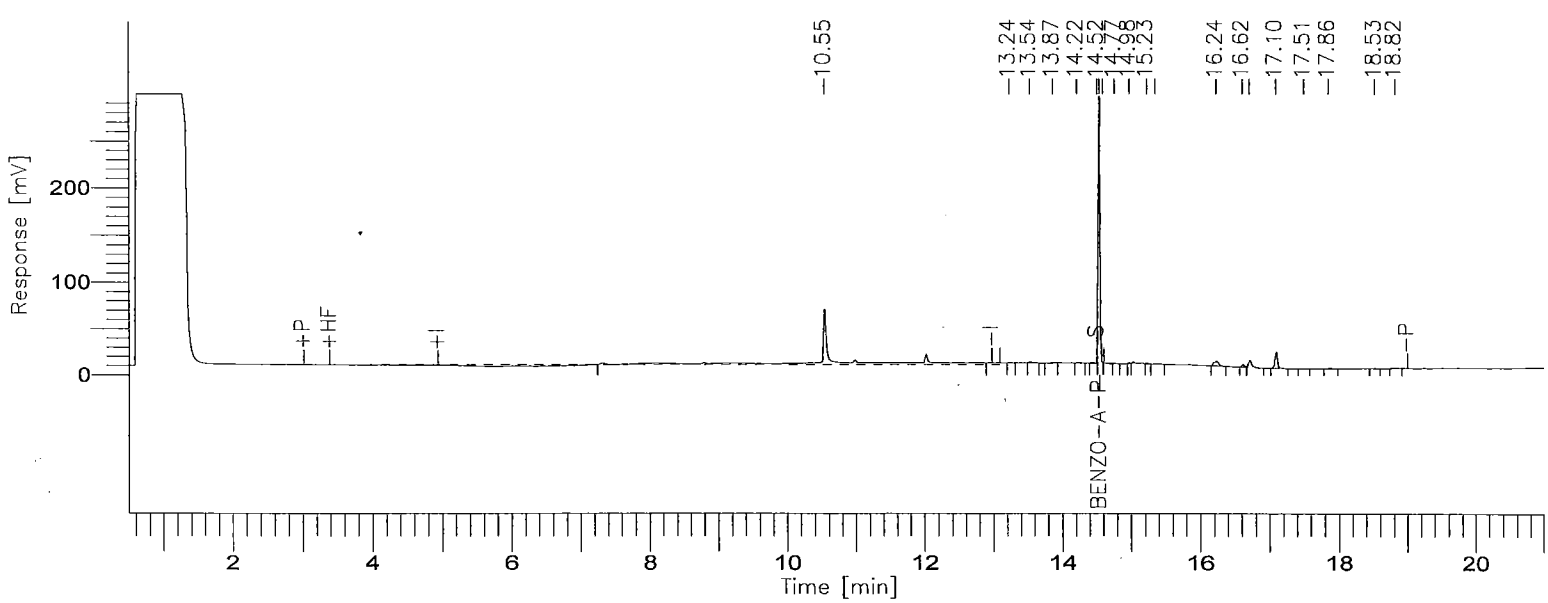
Raw Data File : C:\TC4\DATA_01\O09A118.RAW
Result File : C:\TC4\DATA_01\O09A118.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O09A118.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_01\O09A.SEQ

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 : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 20



000946

BOE-C6-0149364

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.03	DIESEL C10-C24	0	0.000	------	10.0	
14.55	BENZO-A-PYRENE	476856	11.297	90.4	10.0	
		476856	11.297			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O09A118.TX0

Lot/Sample: E0J030150-017 C-2-42-5 TICs.....: N Report Results: Y
WO#.....: DLFJQ-1-02 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/11/00
Inject Time..: 23:09 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O09A119A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....:10/02/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/13 11:53:51
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/04/00
QC Batch.....: 0278369
MS Run Number: 0278177
Prep Time....: 12:00-16:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1562-1SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05120	C8-C9			ND	10	5		
05121	C10-C11			ND	10	5		
05122	C12-C13			ND	10	5		
05123	C14-C15			ND	10	5		
05124	C16-C17			ND	10	5		
05125	C18-C19			ND	10	5		
05201	C20-C23			ND	10	5		
05202	C24-C27			ND	10	5		
05203	C28-C31			ND	10	5		
05204	C32-C35			ND	10	5		
05205	C36-C39			ND	10	5		
05132	C40+			ND	10	5		
05136	Total Carbon Chain Rang			ND	10	5		

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	10.509	84.072		

Software Version: 4.1<2F12>
Sample Name : 150-17 Time : 10/12/00 11:09 AM
Sample Number: DLFJQ102 Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/11/00 11:09 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

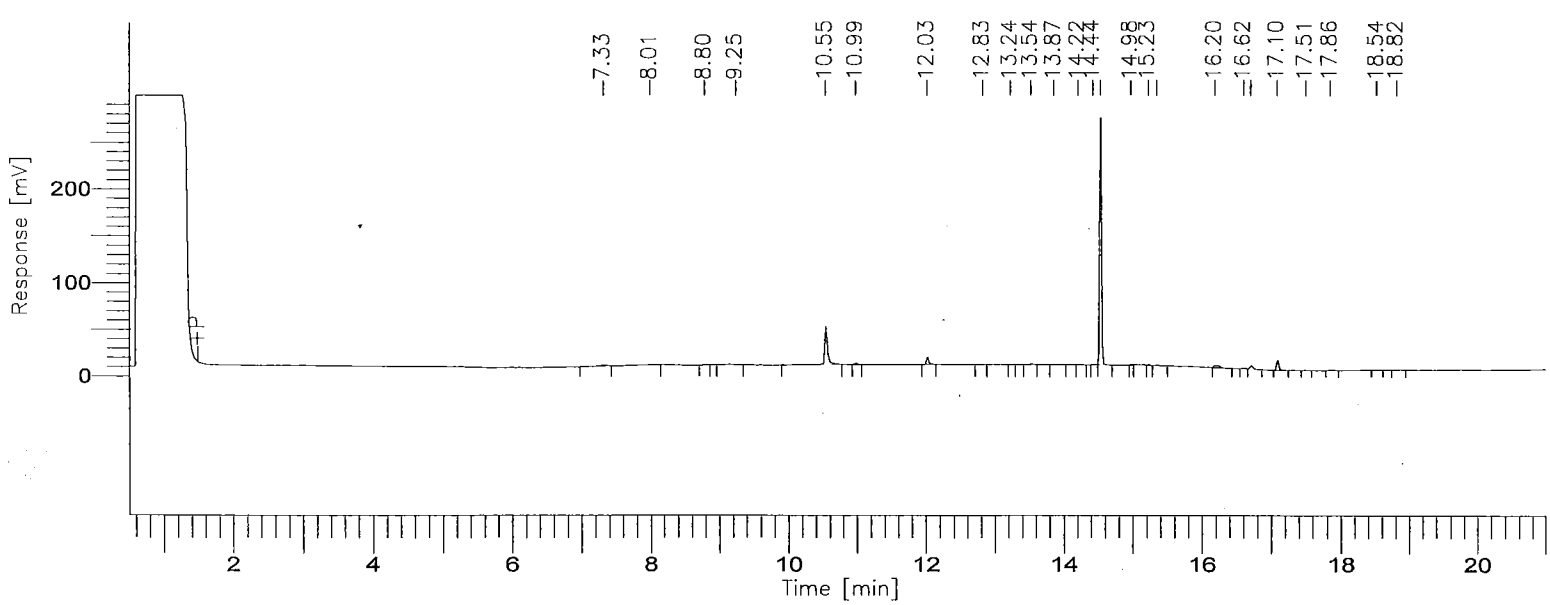
Raw Data File : C:\TC4\DATA_01\O09A119A.RAW
Result File : C:\TC4\DATA_01\O09A119A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O09A119A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O09B.SEQ

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 : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 25



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	0	0.000	------	10.0	
5.77	C10-C11	0	0.000	------	10.0	
7.31	C12-C13	17161	0.400	------	10.0	
8.59	C14-C15	2056	0.043	------	10.0	
9.69	C16-C17	3572	0.083	------	10.0	
10.72	C18-C19	119756	2.493	------	10.0	
12.02	C20-C23	17481	0.201	------	10.0	
13.53	C24-C27	8445	0.101	------	10.0	
14.82	C28-C31	463904	5.402	------	10.0	
15.90	C32-C35	13185	0.153	------	10.0	
16.99	C36-C39	41932	0.489	------	10.0	
19.29	C40+	7214	0.175	------	10.0	
		694704	9.539			

Group Report For : C8-C9

No peaks available to report

Group Report For : C10-C11

No peaks available to report

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.33		11193	0.003	------	10.0	
.01		5968	0.001	------	10.0	
		17161	0.004			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.80		2056	0.001	------	10.0	
		2056	0.001			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.25		3572	0.001	------	10.0	
		3572	0.001			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.55		115926	0.029	------	10.0	
10.99		3829	0.001	------	10.0	
		119756	0.030			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.03		17481	0.004	------	10.0	
		17481	0.004			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
[illegible].83		667	0.000	------	10.0	
13.24		1339	0.000	------	10.0	
13.54		1973	0.000	------	10.0	
13.87		2133	0.001	------	10.0	
14.22		2333	0.001	------	10.0	

	8445	0.002

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.44		2710	0.001	------	10.0	
14.55		455154	0.114	------	10.0	
14.98		1717	0.000	------	10.0	
15.23		2235	0.001	------	10.0	
15.36		2088	0.001	------	10.0	
		463904	0.116			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.20		13185	0.003	------	10.0	
		13185	0.003			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.62		3572	0.001	------	10.0	
16.72		11832	0.003	------	10.0	
17.10		25658	0.006	------	10.0	
17.51		870	0.000	------	10.0	
		41932	0.010			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.86		2426	0.001	------	10.0	
[illegible].54		611	0.000	------	10.0	
18.82		4177	0.001	------	10.0	
		7214	0.002			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O09A119A.TX0

Software Version: 4.1<2F12>
Sample Name : 150-17 Time : 10/11/00 11:30 PM
Sample Number: DLFJQ102 Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/11/00 11:09 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

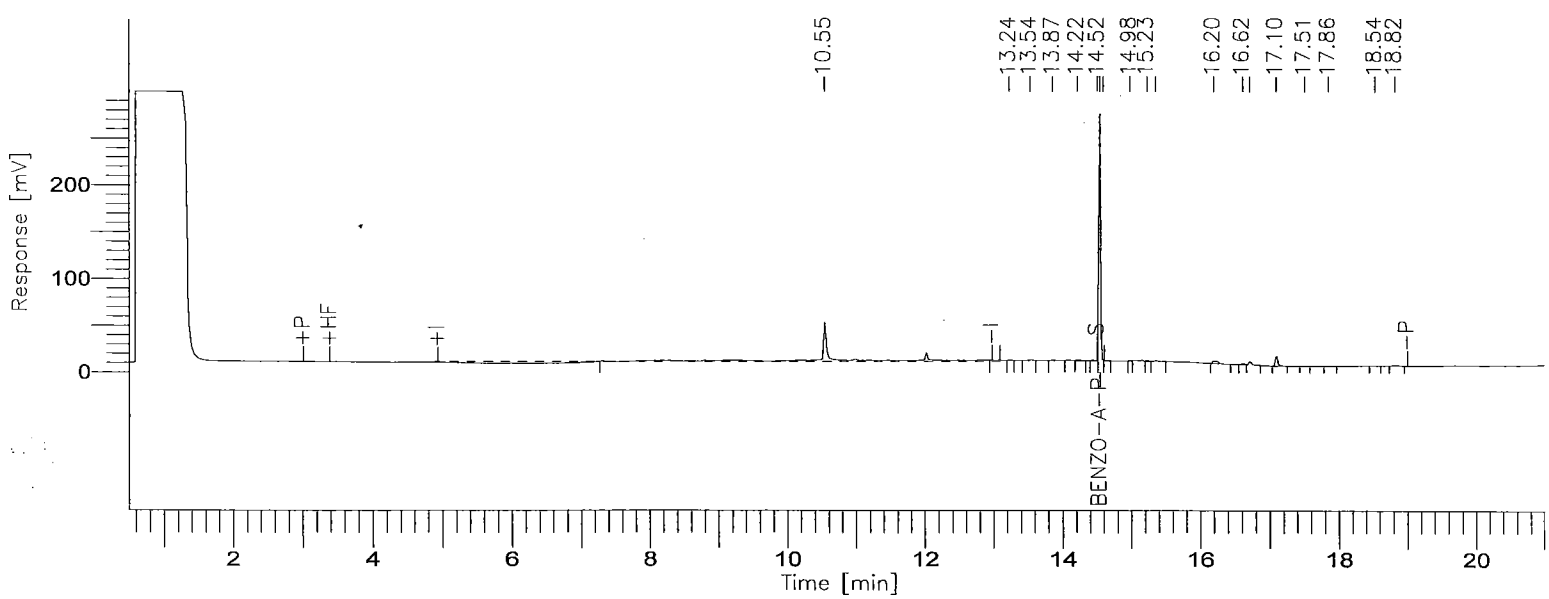
Raw Data File : C:\TC4\DATA_01\O09A119.RAW
Result File : C:\TC4\DATA_01\O09A119.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O09A119.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_01\O09A.SEQ

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 : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 19



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BOE-C6-0149372

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.03	DIESEL C10-C24	0	0.000	------	10.0	
14.55	BENZO-A-PYRENE	443606	10.509	84.1	10.0	
		443606	10.509			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O09A119.TX0

Lot/Sample: E0J030150-019 C-2-43-1.5 TICs.....: N Report Results: Y
WO#.....: DLFJV-1-02 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/11/00
Inject Time..: 23:39 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O09A120A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....:10/02/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/13 11:54:00
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/04/00
QC Batch.....: 0278369
MS Run Number: 0278177
Prep Time....: 12:00-16:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1562-1SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05120	C8-C9			ND	10	5		
05121	C10-C11			ND	10	5		
05122	C12-C13			ND	10	5		
05123	C14-C15			ND	10	5		
05124	C16-C17			ND	10	5		
05125	C18-C19			ND	10	5		
05201	C20-C23			ND	10	5		
05202	C24-C27			ND	10	5		
05203	C28-C31			ND	10	5		
05204	C32-C35			ND	10	5		
05205	C36-C39			ND	10	5		
05132	C40+			ND	10	5		
05136	Total Carbon Chain Rang			ND	10	5		

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	12.495	99.96		

Software Version: 4.1<2F12>
Sample Name : 150-19 Time : 10/12/00 11:09 AM
Sample Number: DLFJV102 Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/11/00 11:39 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

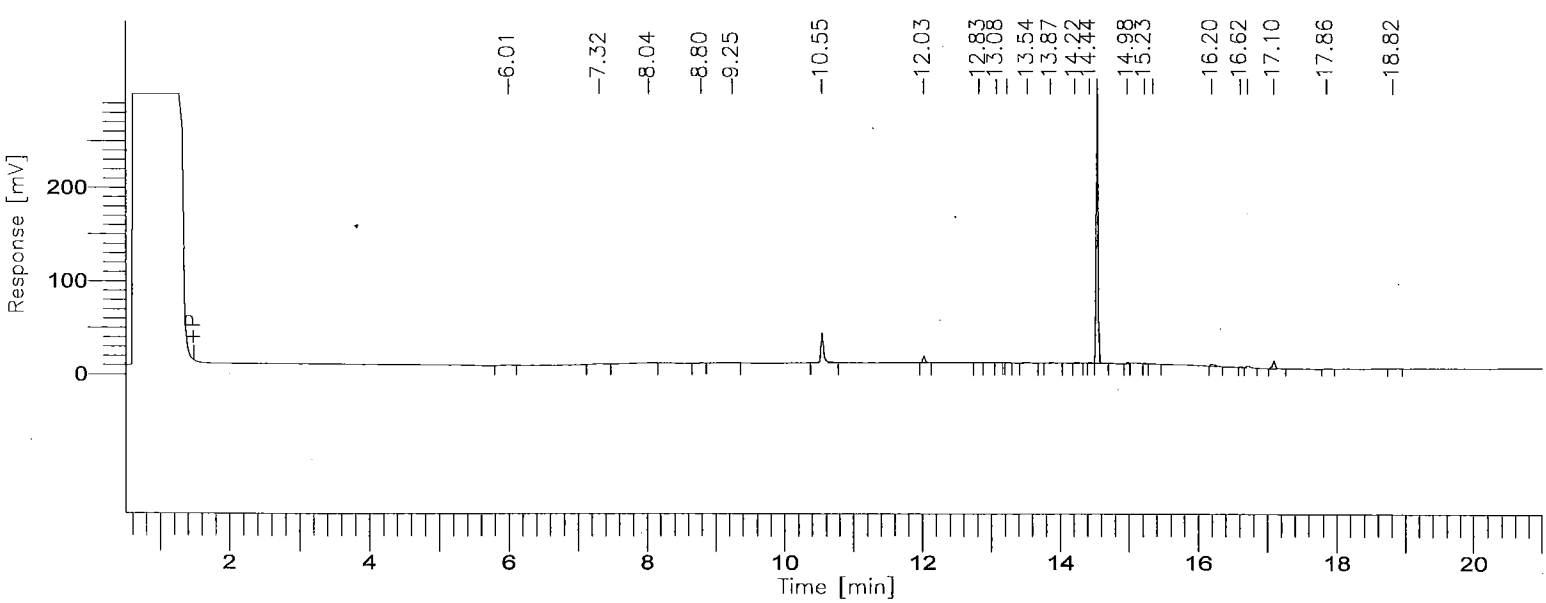
Raw Data File : C:\TC4\DATA_01\O09A120A.RAW
Result File : C:\TC4\DATA_01\O09A120A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O09A120A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O09B.SEQ

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 : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 24



000957

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	0	0.000	------	10.0	
5.77	C10-C11	5216	0.124	------	10.0	
7.31	C12-C13	8964	0.209	------	10.0	
8.59	C14-C15	10435	0.217	------	10.0	
9.69	C16-C17	7909	0.183	------	10.0	
10.72	C18-C19	80443	1.675	------	10.0	
12.02	C20-C23	16208	0.187	------	10.0	
13.53	C24-C27	7986	0.095	------	10.0	
14.82	C28-C31	548992	6.393	------	10.0	
15.90	C32-C35	9205	0.107	------	10.0	
16.99	C36-C39	31656	0.370	------	10.0	
19.29	C40+	7060	0.171	------	10.0	
		734076	9.729			

Group Report For : C8-C9

No peaks available to report

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
6.00		5216	0.001	------	10.0	
		5216	0.001			

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.32		8964	0.002	------	10.0	
		8964	0.002			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.04		7560	0.002	------	10.0	
8.80		2874	0.001	------	10.0	
		10435	0.003			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.25		7909	0.002	------	10.0	
		7909	0.002			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.55		80443	0.020	------	10.0	
		80443	0.020			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.03		16208	0.004	------	10.0	
		16208	0.004			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
[illegible] 83		604	0.000	------	10.0	
[illegible].08		381	9.525e-05	------	10.0	
13.24		890	0.000	------	10.0	
13.54		1479	0.000	------	10.0	
13.87		1952	0.000	------	10.0	
14.22		2680	0.001	------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
		7986	0.002			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.44		2626	0.001	------	10.0	
14.55		539419	0.135	------	10.0	
14.98		2278	0.001	------	10.0	
15.23		2329	0.001	------	10.0	
15.36		2340	0.001	------	10.0	
		548992	0.137			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.20		9205	0.002	------	10.0	
		9205	0.002			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.61		1584	0.000	------	10.0	
16.72		6824	0.002	------	10.0	
17.10		23248	0.006	------	10.0	
		31656	0.008			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.86		2743	0.001	------	10.0	
18.82		4318	0.001	------	10.0	
		7060	0.002			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O09A120A.TX0

Software Version: 4.1<2F12>
Sample Name : 150-19 Time : 10/12/00 12:00 AM
Sample Number: DLFJV102 Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/11/00 11:39 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

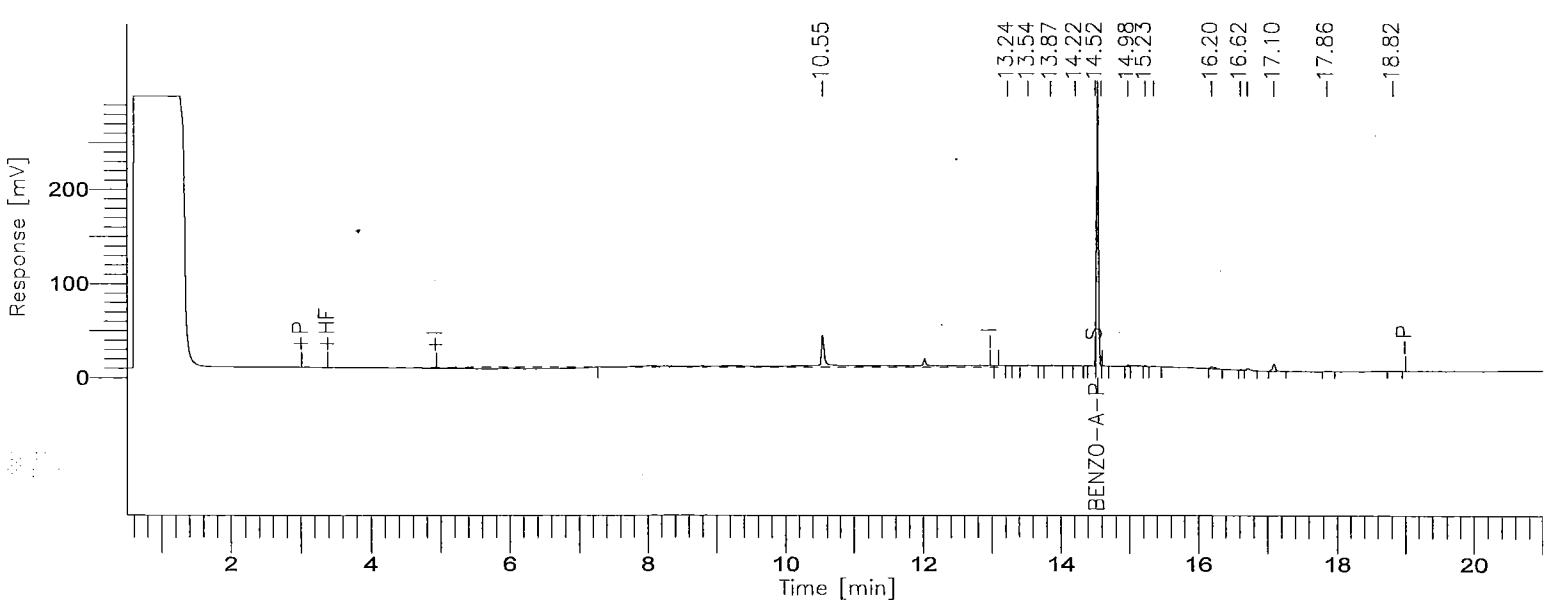
Raw Data File : C:\TC4\DATA_01\O09A120.RAW
Result File : C:\TC4\DATA_01\O09A120.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O09A120.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_01\O09A.SEQ

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 : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 17



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.03	DIESEL C10-C24	0	0.000	------	10.0	
14.55	BENZO-A-PYRENE	527421	12.495	100.0	10.0	
		527421	12.495			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O09A120.TX0

Lot/Sample: E0J030150-020 C-2-43-5 TICs.....: N Report Results: Y
WO#.....: DLFK0-1-02 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/12/00
Inject Time..: 0:09 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O09A121A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....:10/02/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/13 11:54:10
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/04/00
QC Batch.....: 0278369
MS Run Number: 0278177
Prep Time....: 12:00-16:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1562-1SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05120	C8-C9			ND	10	5		
05121	C10-C11			ND	10	5		
05122	C12-C13			ND	10	5		
05123	C14-C15			ND	10	5		
05124	C16-C17			ND	10	5		
05125	C18-C19			ND	10	5		
05201	C20-C23			ND	10	5		
05202	C24-C27			ND	10	5		
05203	C28-C31			ND	10	5		
05204	C32-C35			ND	10	5		
05205	C36-C39			ND	10	5		
05132	C40+			ND	10	5		
05136	Total Carbon Chain Rang			ND	10	5		

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	11.782	94.256		

Software Version: 4.1<2F12>
Sample Name : 150-20 Time : 10/12/00 11:10 AM
Sample Number: DLFK0102 Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/12/00 12:09 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

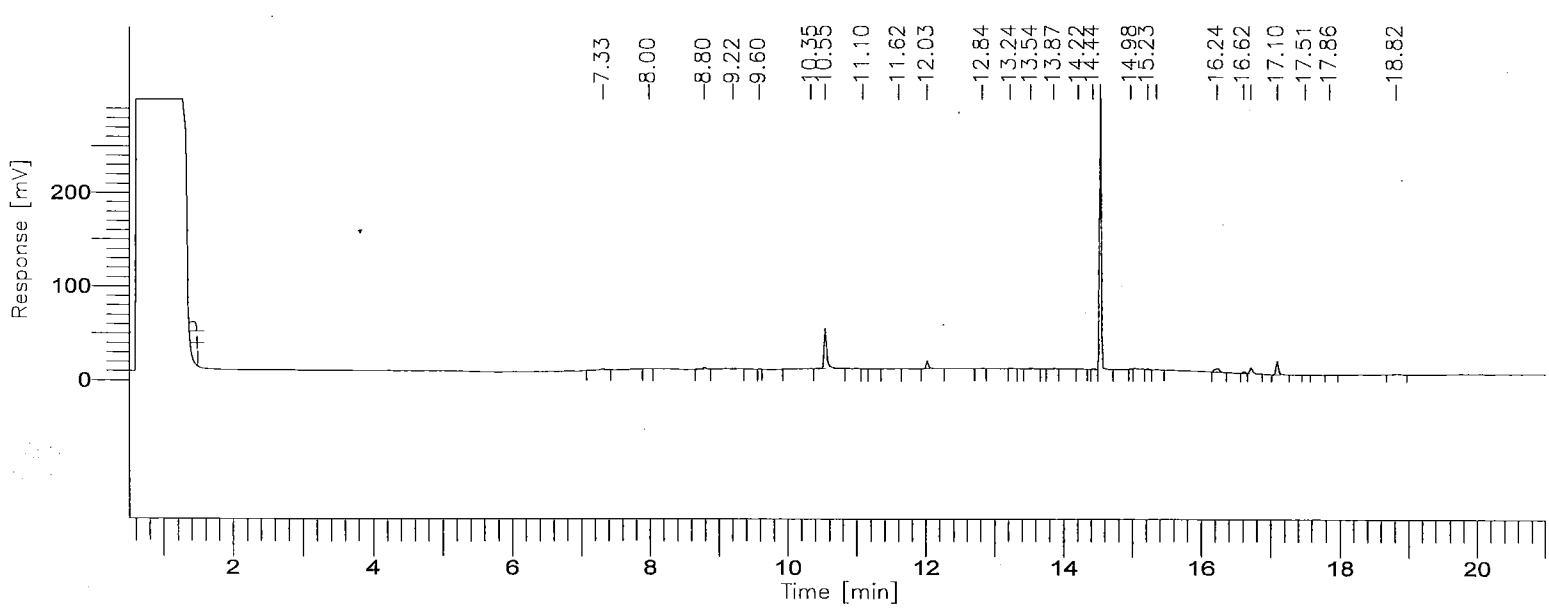
Raw Data File : C:\TC4\DATA_01\O09A121A.RAW
Result File : C:\TC4\DATA_01\O09A121A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O09A121A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O09B.SEQ

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 : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 27



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	0	0.000	------	10.0	
5.77	C10-C11	0	0.000	------	10.0	
7.31	C12-C13	9588	0.223	------	10.0	
8.59	C14-C15	7484	0.155	------	10.0	
9.69	C16-C17	10390	0.240	------	10.0	
10.72	C18-C19	120810	2.515	------	10.0	
12.02	C20-C23	22314	0.257	------	10.0	
13.53	C24-C27	10643	0.127	------	10.0	
14.82	C28-C31	519346	6.048	------	10.0	
15.90	C32-C35	18648	0.217	------	10.0	
16.99	C36-C39	60084	0.701	------	10.0	
19.29	C40+	7228	0.175	------	10.0	
		786535	10.658			

Group Report For : C8-C9

No peaks available to report

Group Report For : C10-C11

No peaks available to report

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.33		8381	0.002	------	10.0	
00		1208	0.000	------	10.0	
		9588	0.002			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.80		7484	0.002	------	10.0	
		7484	0.002			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.22		9706	0.002	------	10.0	
9.60		684	0.000	------	10.0	
		10390	0.003			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.35		6764	0.002	------	10.0	
10.55		113516	0.028	------	10.0	
11.10		529	0.000	------	10.0	
		120810	0.030			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.62		1030	0.000	------	10.0	
12.03		21284	0.005	------	10.0	
		22314	0.006			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.84		1551	0.000	------	10.0	
13.24		1476	0.000	------	10.0	
13.54		3175	0.001	------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
.87		1790	0.000	------	10.0	
14.22		2651	0.001	------	10.0	
		10643	0.003			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.44		2524	0.001	------	10.0	
14.55		510259	0.128	------	10.0	
14.98		1927	0.000	------	10.0	
15.23		2400	0.001	------	10.0	
15.36		2236	0.001	------	10.0	
		519346	0.130			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.24		18648	0.005	------	10.0	
		18648	0.005			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.62		5075	0.001	------	10.0	
16.72		19328	0.005	------	10.0	
17.10		34296	0.009	------	10.0	
17.51		1384	0.000	------	10.0	
		60084	0.015			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.86		2426	0.001	------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
.82		4802	0.001	------	10.0	
		7228	0.002			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O09A121A.TX0

Software Version: 4.1<2F12>
Sample Name : 150-20 Time : 10/12/00 12:30 AM
Sample Number: DLFK0102 Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/12/00 12:09 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

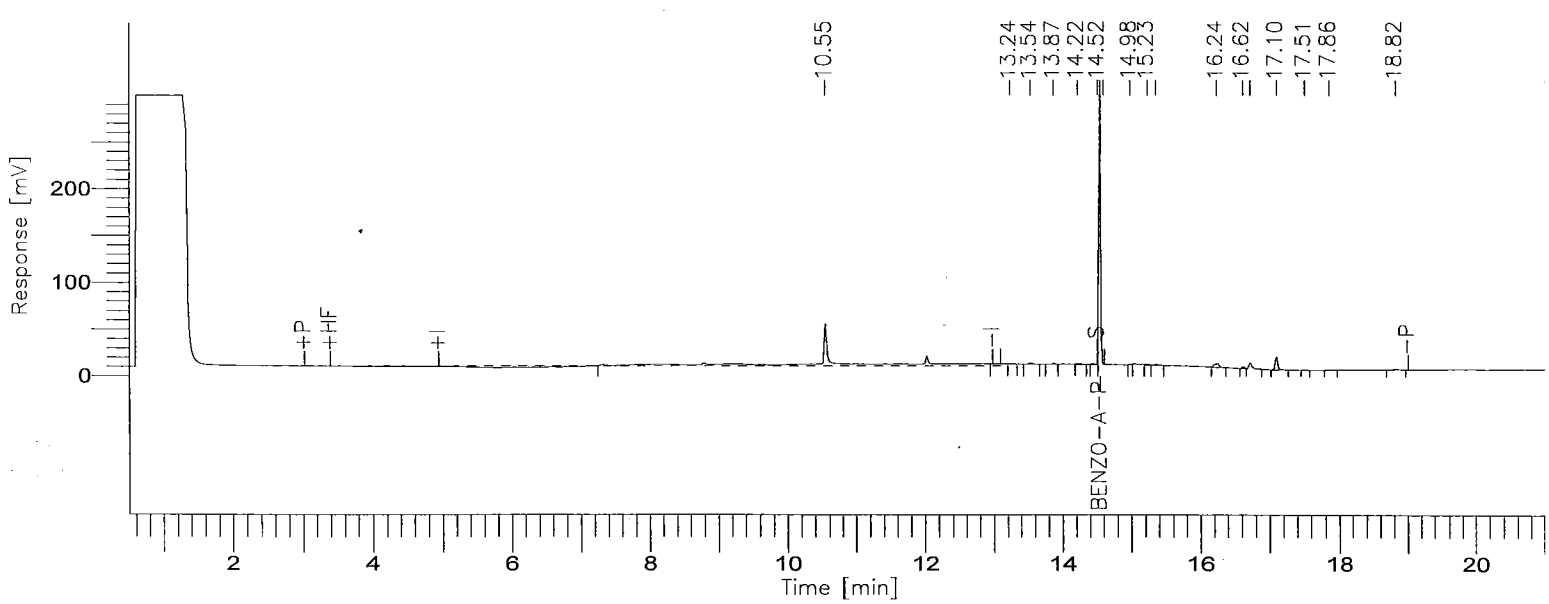
Raw Data File : C:\TC4\DATA_01\O09A121.RAW
Result File : C:\TC4\DATA_01\O09A121.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O09A121.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_01\O09A.SEQ

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 : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 18



000970

BOE-C6-0149388

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.03	DIESEL C10-C24	0	0.000	------	10.0	
14.55	BENZO-A-PYRENE	497313	11.782	94.3	10.0	
		497313	11.782			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O09A121.TX0

Lot/Sample: E0J030150-022 C-2-45-1.5 TICs.....: N Report Results: Y
WO#.....: DLFK5-1-02 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/12/00
Inject Time..: 0:39 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O09A122A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....:10/02/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/13 11:54:18
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/04/00
QC Batch.....: 0278369
MS Run Number: 0278177
Prep Time....: 12:00-16:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1562-1SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05120	C8-C9			ND	10	5		
05121	C10-C11			ND	10	5		
05122	C12-C13			ND	10	5		
05123	C14-C15			ND	10	5		
05124	C16-C17			ND	10	5		
05125	C18-C19			ND	10	5		
05201	C20-C23			ND	10	5		
05202	C24-C27			ND	10	5		
05203	C28-C31			ND	10	5		
05204	C32-C35			ND	10	5		
05205	C36-C39			ND	10	5		
05132	C40+			ND	10	5		
05136	Total Carbon Chain Rang			ND	10	5		

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	12.934	103.472		

Software Version: 4.1<2F12>
Sample Name : 150-22 Time : 10/12/00 11:10 AM
Sample Number: DLFK5102 Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/12/00 12:39 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

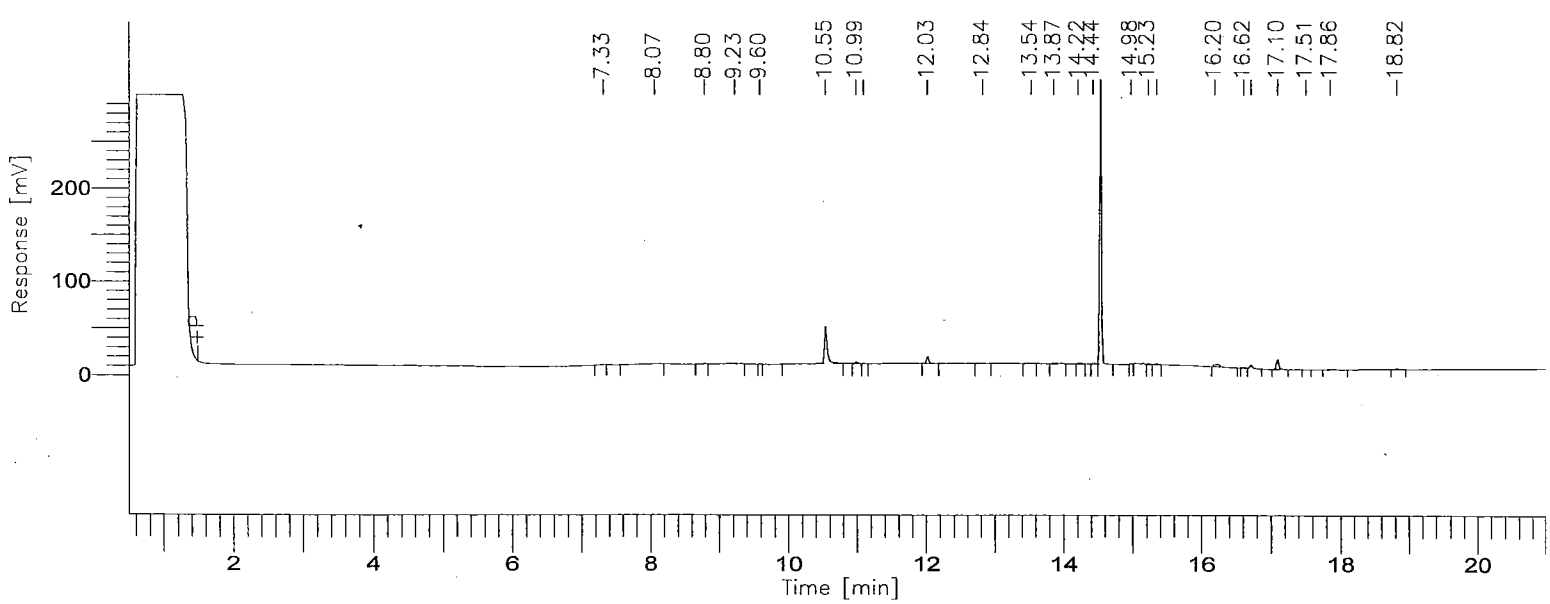
Raw Data File : C:\TC4\DATA_01\O09A122A.RAW
Result File : C:\TC4\DATA_01\O09A122A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O09A122A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O09B.SEQ

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 : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 25



000973

BOE-C6-0149391

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	0	0.000	------	10.0	
5.77	C10-C11	0	0.000	------	10.0	
7.31	C12-C13	3029	0.071	------	10.0	
8.59	C14-C15	13874	0.288	------	10.0	
9.69	C16-C17	10296	0.238	------	10.0	
10.72	C18-C19	116653	2.428	------	10.0	
12.02	C20-C23	18009	0.207	------	10.0	
13.53	C24-C27	8141	0.097	------	10.0	
14.82	C28-C31	555695	6.471	------	10.0	
15.90	C32-C35	13411	0.156	------	10.0	
16.99	C36-C39	41121	0.480	------	10.0	
19.29	C40+	7735	0.187	------	10.0	
		787964	10.623			

Group Report For : C8-C9

No peaks available to report

Group Report For : C10-C11

No peaks available to report

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.33		3029	0.001	------	10.0	
		3029	0.001			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
.07		10922	0.003	------	10.0	
8.80		2952	0.001	------	10.0	
		13874	0.003			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.23		9968	0.002	------	10.0	
9.60		328	8.200e-05	------	10.0	
		10296	0.003			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
[illegible].55		112540	0.028	------	10.0	
10.99		3756	0.001	------	10.0	
11.10		357	8.925e-05	------	10.0	
		116653	0.029			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.03		18009	0.005	------	10.0	
		18009	0.005			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
[illegible].83		1247	0.000	------	10.0	
13.54		1973	0.000	------	10.0	
13.87		2218	0.001	------	10.0	
14.22		2703	0.001	------	10.0	

	8141	0.002

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.44		2818	0.001	------	10.0	
14.55		546043	0.137	------	10.0	
14.98		2163	0.001	------	10.0	
15.23		2410	0.001	------	10.0	
15.36		2261	0.001	------	10.0	
		555695	0.139			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.20		13411	0.003	------	10.0	
		13411	0.003			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.62		2988	0.001	------	10.0	
16.72		11311	0.003	------	10.0	
17.10		26123	0.007	------	10.0	
17.51		699	0.000	------	10.0	
		41121	0.010			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.86		3102	0.001	------	10.0	
[illegible].82		4632	0.001	------	10.0	
		7735	0.002			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O09A122A.TX0

Software Version: 4.1<2F12>
Sample Name : 150-22 Time : 10/12/00 10:38 AM
Sample Number: DLFK5102 Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/12/00 12:39 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

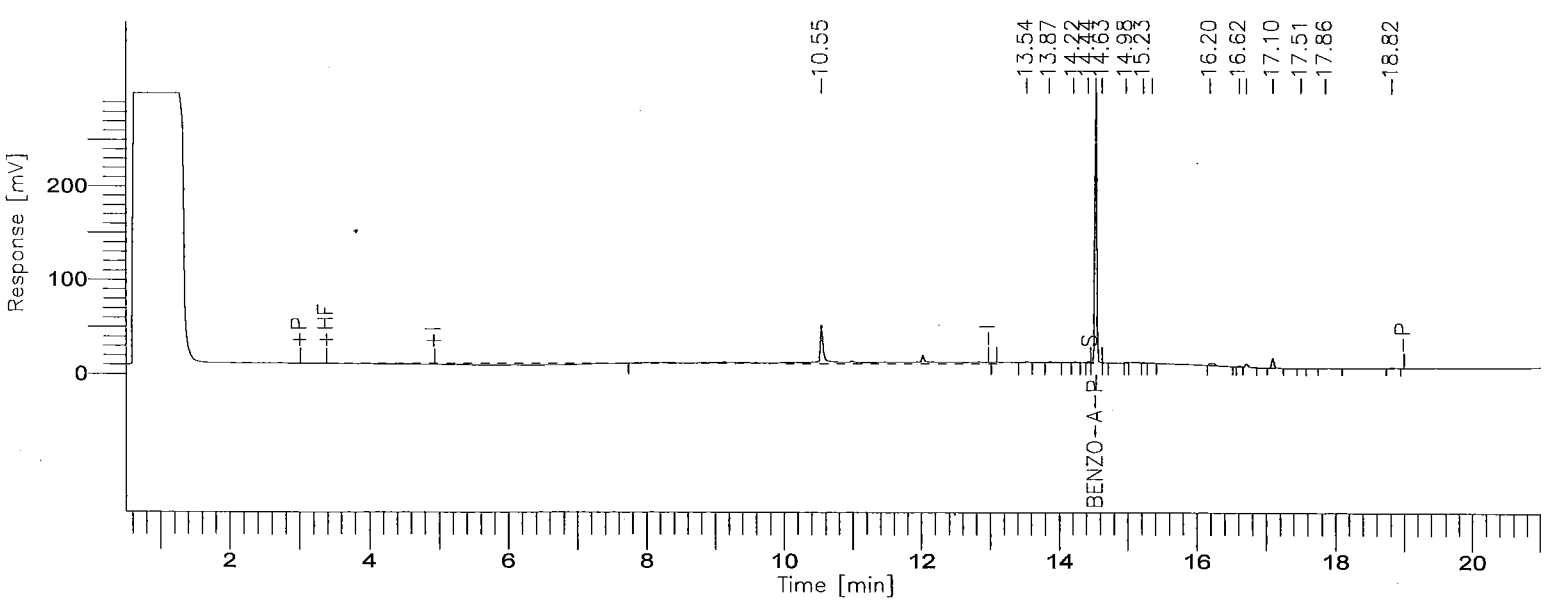
Raw Data File : C:\TC4\DATA_01\O09A122.RAW
Result File : C:\TC4\DATA_01\O09A122.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O09A122.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O09A122.R
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O09A122.R
Sequence File : C:\TC4\DATA_01\O09A.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 : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 17



000978

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.03	DIESEL C10-C24	0	0.000	------	10.0	
14.55	BENZO-A-PYRENE	545969	12.934	103.5	10.0	
		545969	12.934			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O09A122.TX0

Lot/Sample: E0J030150-023 C-2-45-5 TICs.....: N Report Results: Y
WO#.....: DLFK7-1-02 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/12/00
Inject Time..: 1:09 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O09A123A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....:10/02/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/13 11:54:25
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/04/00
QC Batch.....: 0278369
MS Run Number: 0278177
Prep Time....: 12:00-16:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1562-1SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05120	C8-C9			ND	10	5		
05121	C10-C11			ND	10	5		
05122	C12-C13			ND	10	5		
05123	C14-C15			ND	10	5		
05124	C16-C17			ND	10	5		
05125	C18-C19			ND	10	5		
05201	C20-C23			ND	10	5		
05202	C24-C27			ND	10	5		
05203	C28-C31			ND	10	5		
05204	C32-C35			ND	10	5		
05205	C36-C39			ND	10	5		
05132	C40+			ND	10	5		
05136	Total Carbon Chain Rang			ND	10	5		

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	11.916	95.328		

Software Version: 4.1<2F12>
Sample Name : 150-23 Time : 10/12/00 11:10 AM
Sample Number: DLFK7102 Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/12/00 01:09 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

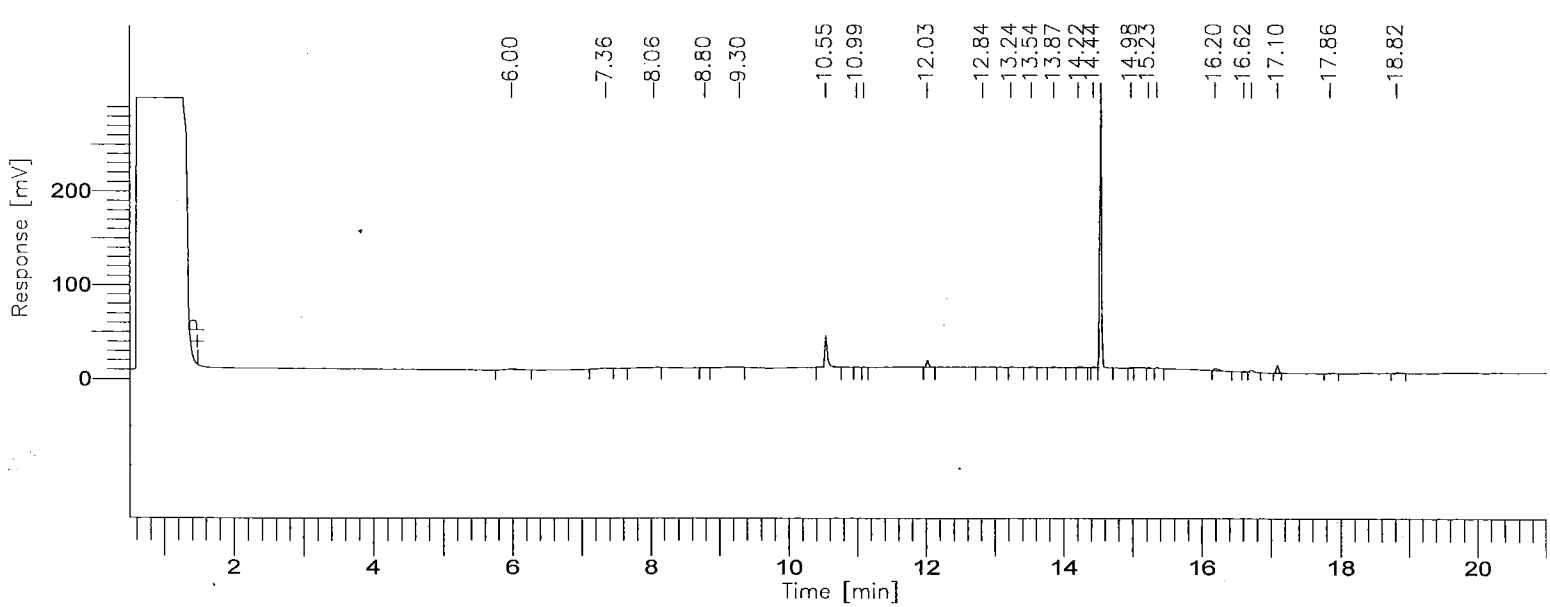
Raw Data File : C:\TC4\DATA_01\O09A123A.RAW
Result File : C:\TC4\DATA_01\O09A123A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O09A123A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O09B.SEQ

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 : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 25



000981

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	0	0.000	------	10.0	
5.77	C10-C11	19020	0.451	------	10.0	
7.31	C12-C13	8630	0.201	------	10.0	
8.59	C14-C15	9949	0.206	------	10.0	
9.69	C16-C17	8460	0.195	------	10.0	
10.72	C18-C19	87932	1.830	------	10.0	
12.02	C20-C23	16078	0.185	------	10.0	
13.53	C24-C27	9274	0.110	------	10.0	
14.82	C28-C31	525160	6.116	------	10.0	
15.90	C32-C35	9630	0.112	------	10.0	
16.99	C36-C39	27510	0.321	------	10.0	
19.29	C40+	7001	0.170	------	10.0	
		728644	9.898			

Group Report For : C8-C9

No peaks available to report

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
6.00		19020	0.005	------	10.0	
		19020	0.005			

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.36		8630	0.002	------	10.0	
		8630	0.002			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.06		7962	0.002	------	10.0	
8.80		1987	0.000	------	10.0	
		9949	0.002			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.30		8460	0.002	------	10.0	
		8460	0.002			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.55		85482	0.021	------	10.0	
10.99		2032	0.001	------	10.0	
11.10		418	0.000	------	10.0	
		87932	0.022			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.03		16078	0.004	------	10.0	
		16078	0.004			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.83		1546	0.000	------	10.0	
13.24		1712	0.000	------	10.0	
13.54		1355	0.000	------	10.0	
13.87		2066	0.001	------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
.22		2596	0.001	------	10.0	
		9274	0.002			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.44		2605	0.001	------	10.0	
14.55		515878	0.129	------	10.0	
14.98		2093	0.001	------	10.0	
15.23		2555	0.001	------	10.0	
15.36		2029	0.001	------	10.0	
		525160	0.131			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.20		9630	0.002	------	10.0	
		9630	0.002			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.62		1632	0.000	------	10.0	
16.72		7337	0.002	------	10.0	
17.10		18540	0.005	------	10.0	
		27510	0.007			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.86		2409	0.001	------	10.0	
18.82		4592	0.001	------	10.0	

7001 0.002

ssing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O09A123A.TX0

Software Version: 4.1<2F12>
Sample Name : 150-23 Time : 10/12/00 01:30 AM
Sample Number: DLFK7102 Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/12/00 01:09 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

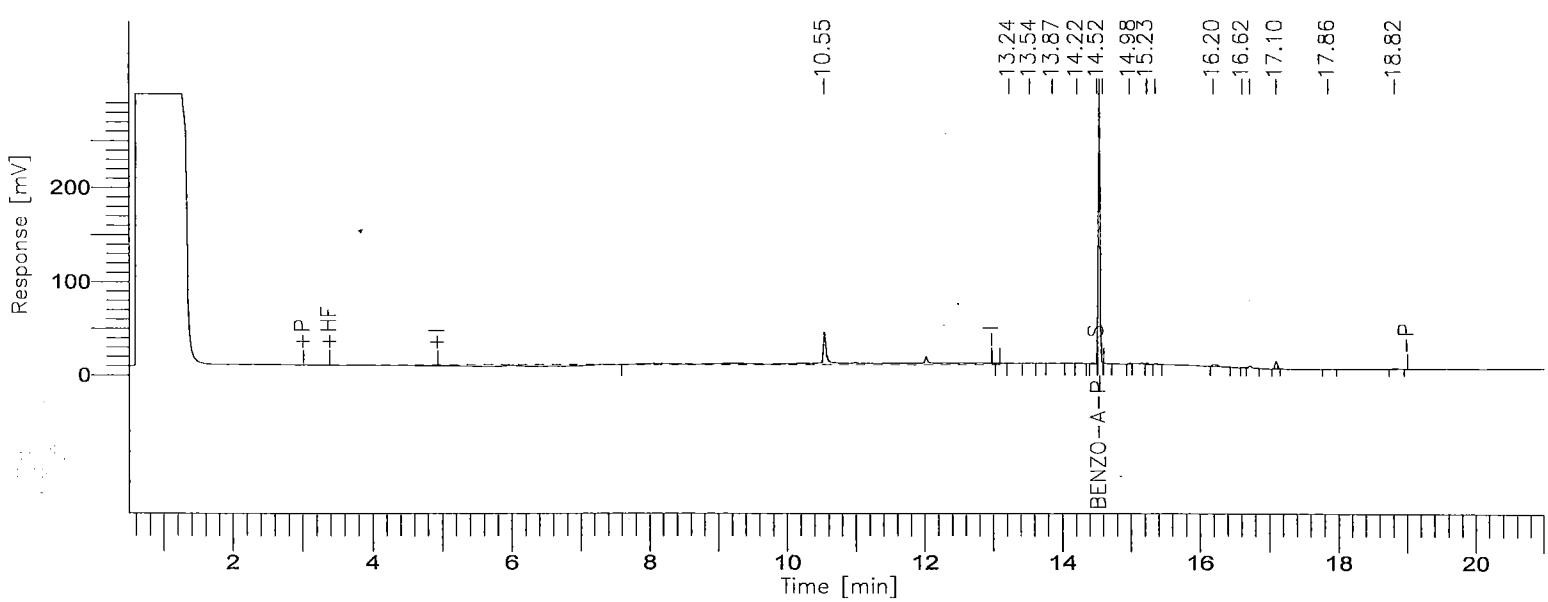
Raw Data File : C:\TC4\DATA_01\O09A123.RAW
Result File : C:\TC4\DATA_01\O09A123.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O09A123.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_01\O09A.SEQ

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 : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 17



000986

BOE-C6-0149404

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.03	DIESEL C10-C24	0	0.000	------	10.0	
14.55	BENZO-A-PYRENE	503004	11.916	95.3	10.0	
		503004	11.916			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O09A123.TX0

Lot/Sample: E0J030150-024 C-2-46-5 TICs.....: N Report Results: Y
WO#.....: DLFKA-1-02 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/12/00
Inject Time..: 1:39 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O09A124A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....:10/02/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/13 11:54:44
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/04/00
QC Batch.....: 0278369
MS Run Number: 0278177
Prep Time....: 12:00-16:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1562-1SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05120	C8-C9			ND	10	5		
05121	C10-C11			ND	10	5		
05122	C12-C13			ND	10	5		
05123	C14-C15			ND	10	5		
05124	C16-C17			ND	10	5		
05125	C18-C19			ND	10	5		
05201	C20-C23			ND	10	5		
05202	C24-C27			ND	10	5		
05203	C28-C31			ND	10	5		
05204	C32-C35			ND	10	5		
05205	C36-C39			ND	10	5		
05132	C40+			ND	10	5		
05136	Total Carbon Chain Rang			5.0385	10	5	J	J

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	10.425	83.4		

Notes:

J Estimated result. Result is less than RL.

(Continued on next page)

Lot/Sample: E0J030150-024 C-2-46-5 TICs.....: N Report Results: Y
WO#.....: DLFKA-1-02 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Notes:

Software Version: 4.1<2F12>
Sample Name : 150-24 Time : 10/12/00 11:10 AM
Sample Number: DLFKA102 Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/12/00 01:39 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

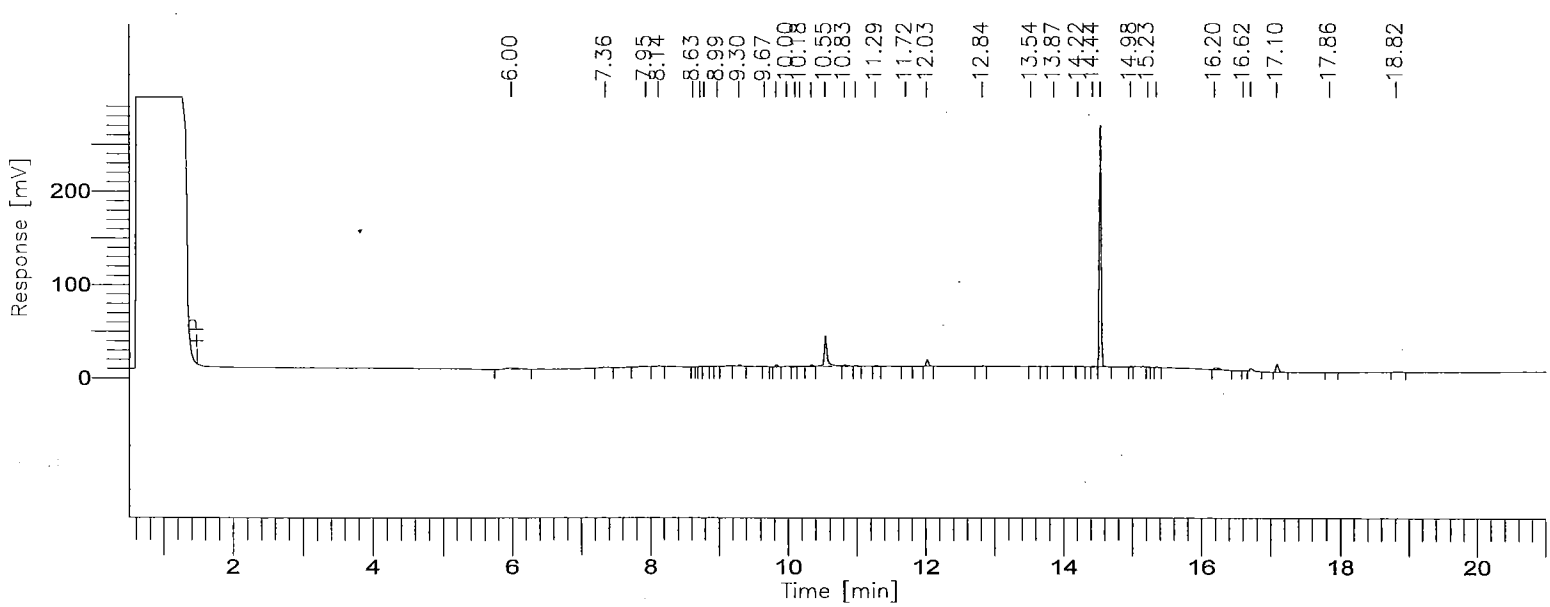
Raw Data File : C:\TC4\DATA_01\O09A124A.RAW
Result File : C:\TC4\DATA_01\O09A124A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O09A124A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O09B.SEQ

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 : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 36



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BOE-C6-0149408

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	0	0.000	------	10.0	
5.77	C10-C11	22417	0.531	------	10.0	
7.31	C12-C13	10896	0.254	------	10.0	
8.59	C14-C15	9850	0.204	------	10.0	
9.69	C16-C17	21222	0.490	------	10.0	
10.72	C18-C19	114465	2.383	------	10.0	
12.02	C20-C23	18492	0.213	------	10.0	
13.53	C24-C27	6445	0.077	------	10.0	
14.82	C28-C31	459074	5.346	------	10.0	
15.90	C32-C35	10668	0.124	------	10.0	
16.99	C36-C39	32168	0.375	------	10.0	
19.29	C40+	6832	0.165	------	10.0	
		712532	10.163			

Group Report For : C8-C9

No peaks available to report

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
6.00		22417	0.006	------	10.0	
		22417	0.006			

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.36		6032	0.002	------	10.0	
7.95		4864	0.001	------	10.0	

	10896	0.003

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.13		3845	0.001	------	10.0	
8.63		380	9.500e-05	------	10.0	
8.74		2361	0.001	------	10.0	
8.80		2722	0.001	------	10.0	
8.99		542	0.000	------	10.0	
		9850	0.002			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.30		3656	0.001	------	10.0	
9.67		1193	0.000	------	10.0	
[illegible] 84		4517	0.001	------	10.0	
[illegible].00		4050	0.001	------	10.0	
10.12		3107	0.001	------	10.0	
10.18		4700	0.001	------	10.0	
		21222	0.005			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.35		8635	0.002	------	10.0	
10.55		98214	0.025	------	10.0	
10.83		5832	0.001	------	10.0	
10.99		1783	0.000	------	10.0	
		114465	0.029			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.28		1657	0.000	------	10.0	
11.72		1123	0.000	------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
[illegible].03		15712	0.004	------	10.0	
		18492	0.005			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.84		1398	0.000	------	10.0	
13.54		1282	0.000	------	10.0	
13.87		1682	0.000	------	10.0	
14.22		2083	0.001	------	10.0	
		6445	0.002			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.44		2212	0.001	------	10.0	
14.55		451659	0.113	------	10.0	
14.98		1815	0.000	------	10.0	
15.23		1834	0.000	------	10.0	
15.36		1554	0.000	------	10.0	
		459074	0.115			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.20		10668	0.003	------	10.0	
		10668	0.003			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.62		2075	0.001	------	10.0	
16.72		8699	0.002	------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
.10		21394	0.005	------	10.0	
		32168	0.008			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.86		2270	0.001	------	10.0	
18.82		4563	0.001	------	10.0	
		6832	0.002			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

LLL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O09A124A.TX0

Software Version: 4.1<2F12>
Sample Name : 150-24 Time : 10/12/00 02:00 AM
Sample Number: DLFKA102 Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/12/00 01:39 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

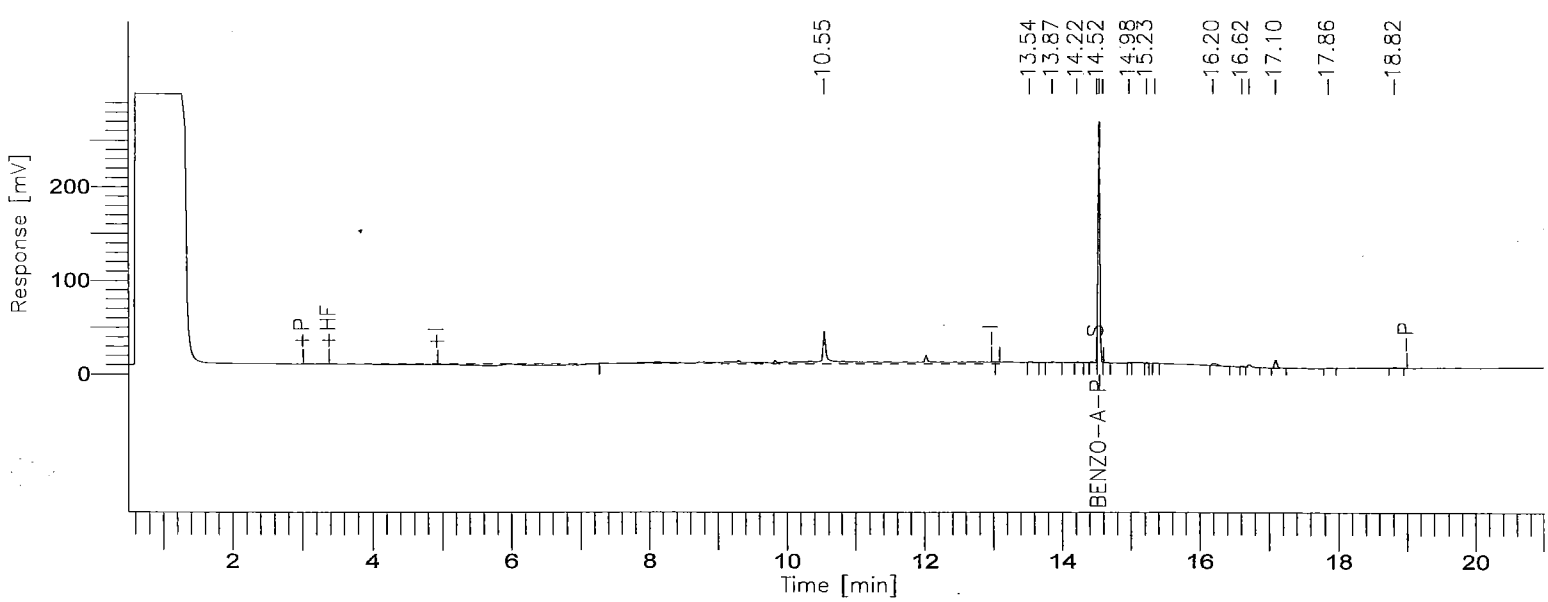
Raw Data File : C:\TC4\DATA_01\O09A124.RAW
Result File : C:\TC4\DATA_01\O09A124.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O09A124.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_01\O09A.SEQ

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 : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 16



000995

BOE-C6-0149413

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.03	DIESEL C10-C24	0	0.000	------	10.0	
14.55	BENZO-A-PYRENE	440048	10.425	83.4	10.0	
		440048	10.425			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O09A124.TX0

Lot/Sample: E0J030150-026 C-2-47-1.5 TICs.....: N Report Results: Y
WO#.....: DLFKE-1-02 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/12/00
Inject Time..: 3:09 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: 009A127A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....:10/02/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/13 11:54:55
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/04/00
QC Batch.....: 0278369
MS Run Number: 0278177
Prep Time....: 12:00-16:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1562-1SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05120	C8-C9			ND	10	5		
05121	C10-C11			ND	10	5		
05122	C12-C13			ND	10	5		
05123	C14-C15			ND	10	5		
05124	C16-C17			ND	10	5		
05125	C18-C19			ND	10	5		
05201	C20-C23			ND	10	5		
05202	C24-C27			ND	10	5		
05203	C28-C31			ND	10	5		
05204	C32-C35			ND	10	5		
05205	C36-C39			ND	10	5		
05132	C40+			ND	10	5		
05136	Total Carbon Chain Rang			5.6460	10	5	J	J

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	13.163	105.304		

Notes:

J Estimated result. Result is less than RL.

(Continued on next page)

Lot/Sample: E0J030150-026 C-2-47-1.5 TICs.....: N Report Results: Y
WO#.....: DLFKE-1-02 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Notes:

Software Version: 4.1<2F12>
Sample Name : 150-26 Time : 10/13/00 10:31 AM
Sample Number: DLFKE102 Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/12/00 03:09 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

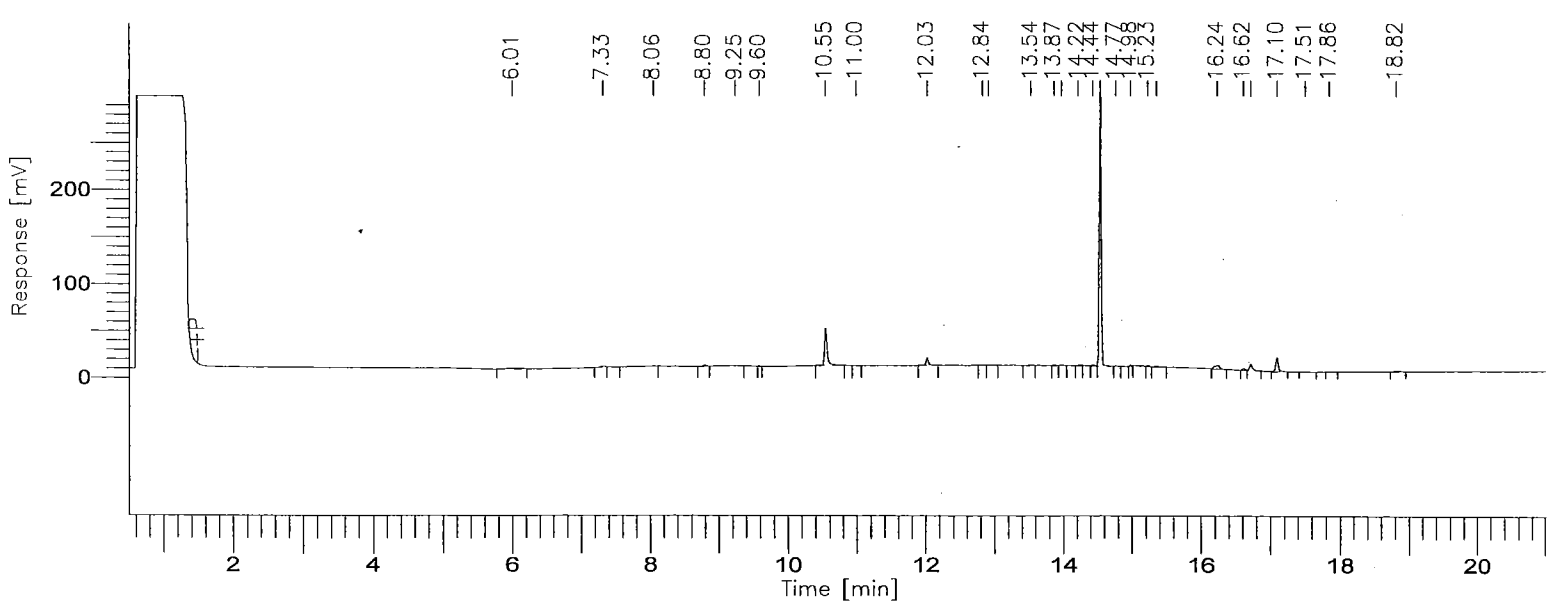
Raw Data File : C:\TC4\DATA_01\O09A127B.RAW
Result File : C:\TC4\DATA_01\O09A127B.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O09A127B.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O09B.SEQ

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 : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 28



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	0	0.000	------	10.0	
5.77	C10-C11	10412	0.247	------	10.0	
7.31	C12-C13	4515	0.105	------	10.0	
8.59	C14-C15	11193	0.232	------	10.0	
9.69	C16-C17	9807	0.227	------	10.0	
10.72	C18-C19	99918	2.080	------	10.0	
12.02	C20-C23	19302	0.222	------	10.0	
13.53	C24-C27	11349	0.135	------	10.0	
14.82	C28-C31	579328	6.746	------	10.0	
15.90	C32-C35	19232	0.223	------	10.0	
16.99	C36-C39	62218	0.726	------	10.0	
19.29	C40+	7108	0.172	------	10.0	
		834384	11.116			

Group Report For : C8-C9

No peaks available to report

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
6.01		10412	0.003	------	10.0	
		10412	0.003			

Group Report For : C12-C13

Time .n]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.33		4515	0.001	------	10.0	
		4515	0.001			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.06		6372	0.002	------	10.0	
8.80		4822	0.001	------	10.0	
		11193	0.003			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.25		9317	0.002	------	10.0	
9.60		490	0.000	------	10.0	
		9807	0.002			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.55		99454	0.025	------	10.0	
11.00		465	0.000	------	10.0	
		99918	0.025			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.03		19302	0.005	------	10.0	
		19302	0.005			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.84		1428	0.000	------	10.0	
12.92		745	0.000	------	10.0	
13.54		3168	0.001	------	10.0	
13.87		1833	0.000	------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
.98		1632	0.000	------	10.0	
14.22		2543	0.001	------	10.0	
		11349	0.003			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.44		3401	0.001	------	10.0	
14.55		568242	0.142	------	10.0	
14.77		805	0.000	------	10.0	
14.98		2274	0.001	------	10.0	
15.23		2295	0.001	------	10.0	
15.36		2311	0.001	------	10.0	
		579328	0.145			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.24		19232	0.005	------	10.0	
		19232	0.005			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.62		4769	0.001	------	10.0	
16.72		20494	0.005	------	10.0	
17.10		35873	0.009	------	10.0	
17.51		1082	0.000	------	10.0	
		62218	0.016			

Group Report For : C40+

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

17.86	2322	0.001	------	10.0
18.82	4786	0.001	------	10.0
	7108	0.002		

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O09A127B.TX0

Software Version: 4.1<2F12>
Sample Name : 150-26 Time : 10/12/00 03:30 AM
Sample Number: DLFKE102 Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/12/00 03:09 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

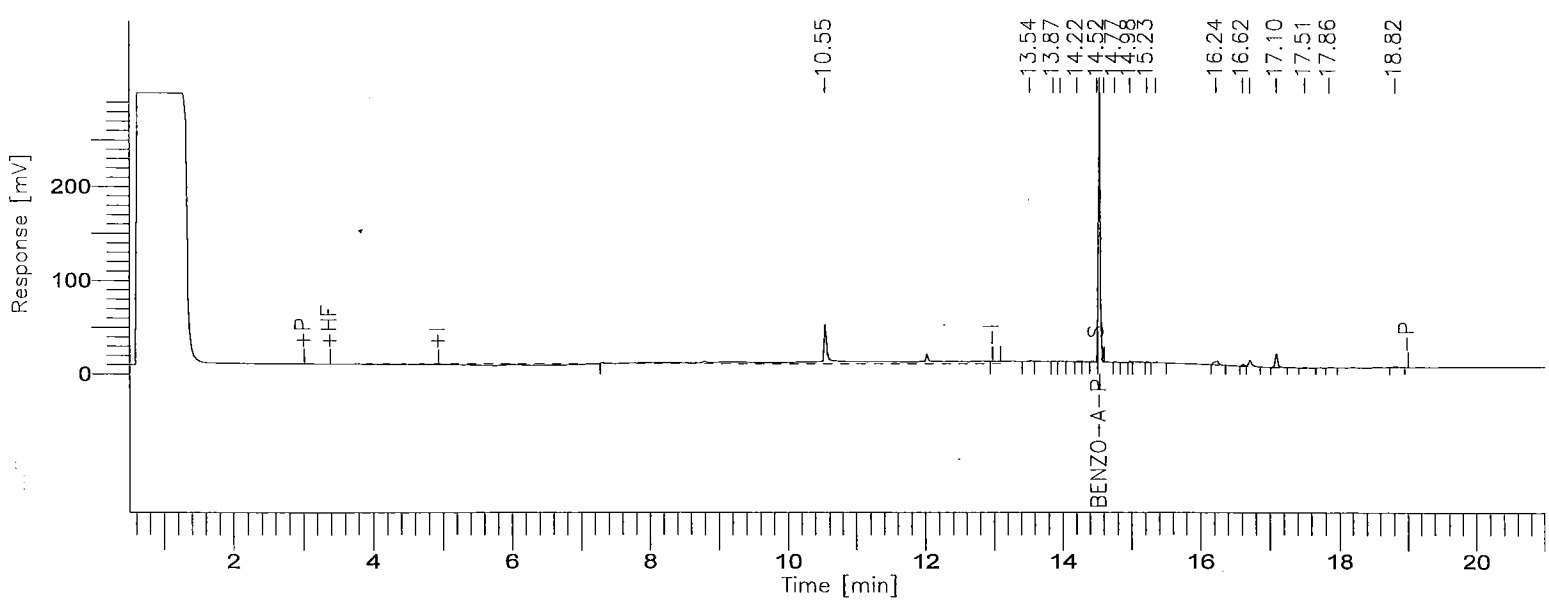
Raw Data File : C:\TC4\DATA_01\O09A127.RAW
Result File : C:\TC4\DATA_01\O09A127.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O09A127.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_01\O09A.SEQ

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 : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 19



001004

BOE-C6-0149422

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.03	DIESEL C10-C24	0	0.000	------	10.0	
14.55	BENZO-A-PYRENE	555623	13.163	105.3	10.0	
		555623	13.163			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O09A127.TX0

Lot/Sample: E0J030150-027 C-2-47-5 TICs.....: N Report Results: Y
WO#.....: DLFKG-1-02 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/12/00
Inject Time..: 3:39 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O09A128A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....:10/02/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/13 11:55:09
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/04/00
QC Batch.....: 0278369
MS Run Number: 0278177
Prep Time....: 12:00-16:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1562-1SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05120	C8-C9			ND	10	5		
05121	C10-C11			ND	10	5		
05122	C12-C13			ND	10	5		
05123	C14-C15			ND	10	5		
05124	C16-C17			ND	10	5		
05125	C18-C19			ND	10	5		
05201	C20-C23			ND	10	5		
05202	C24-C27			ND	10	5		
05203	C28-C31			ND	10	5		
05204	C32-C35			ND	10	5		
05205	C36-C39			ND	10	5		
05132	C40+			ND	10	5		
05136	Total Carbon Chain Rang			6.6644	10	5	J	J

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	12.558	100.464		

Notes:

J Estimated result. Result is less than RL.

(Continued on next page)

Lot/Sample: E0J030150-027 C-2-47-5 TICs.....: N Report Results: Y
WO#.....: DLFKG-1-02 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Notes:

Software Version: 4.1<2F12>
Sample Name : 150-27 Time : 10/13/00 10:31 AM
Sample Number: DLFKG102 Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/12/00 03:39 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

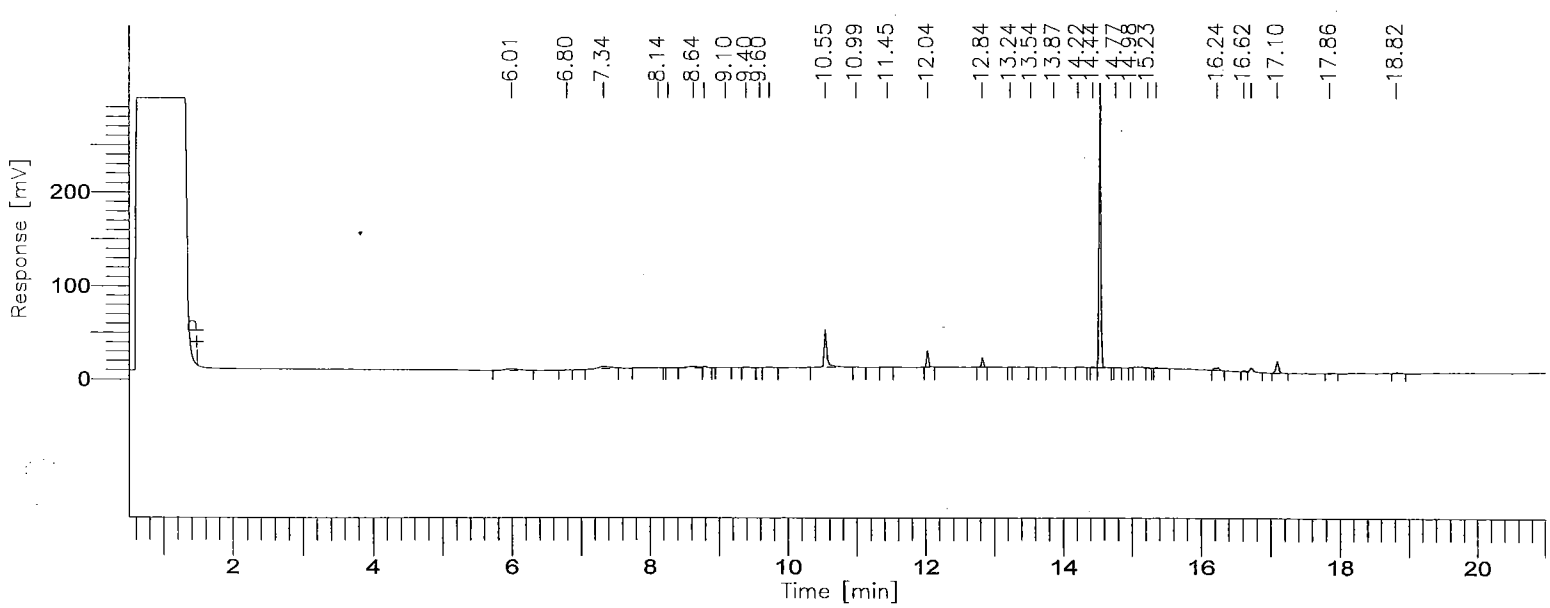
Raw Data File : C:\TC4\DATA_01\O09A128B.RAW
Result File : C:\TC4\DATA_01\O09A128B.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O09A128B.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O09B.SEQ

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 : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 32



001008

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	0	0.000	------	10.0	
5.77	C10-C11	29918	0.709	------	10.0	
7.31	C12-C13	29224	0.681	------	10.0	
8.59	C14-C15	30765	0.638	------	10.0	
9.69	C16-C17	7989	0.185	------	10.0	
10.72	C18-C19	118217	2.461	------	10.0	
12.02	C20-C23	37176	0.428	------	10.0	
13.53	C24-C27	26068	0.310	------	10.0	
14.82	C28-C31	553226	6.442	------	10.0	
15.90	C32-C35	14766	0.171	------	10.0	
16.99	C36-C39	52886	0.617	------	10.0	
19.29	C40+	7976	0.193	------	10.0	
		908210	12.837			

Group Report For : C8-C9

No peaks available to report

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
6.01		29918	0.007	------	10.0	
		29918	0.007			

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
6.80		715	0.000	------	10.0	
7.34		28509	0.007	------	10.0	

29224	0.007	

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.14		6379	0.002	------	10.0	
8.27		1661	0.000	------	10.0	
8.64		17321	0.004	------	10.0	
8.80		4377	0.001	------	10.0	
9.10		1027	0.000	------	10.0	
		30765	0.008			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.40		3348	0.001	------	10.0	
9.60		943	0.000	------	10.0	
[illegible] 74		3698	0.001	------	10.0	
		7989	0.002			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.55		116124	0.029	------	10.0	
10.99		2093	0.001	------	10.0	
		118217	0.030			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.45		1516	0.000	------	10.0	
[illegible].04		35660	0.009	------	10.0	
		37176	0.009			

Group Report For : C24-C27

001010

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
[illegible].84		16952	0.004	------	10.0	
13.24		630	0.000	------	10.0	
13.54		2196	0.001	------	10.0	
13.87		3106	0.001	------	10.0	
14.22		3184	0.001	------	10.0	
		26068	0.007			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.44		2822	0.001	------	10.0	
14.55		542754	0.136	------	10.0	
14.77		506	0.000	------	10.0	
14.98		2172	0.001	------	10.0	
15.23		2226	0.001	------	10.0	
15.36		2746	0.001	------	10.0	
		553226	0.138			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.23		14766	0.004	------	10.0	
		14766	0.004			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.62		4186	0.001	------	10.0	
16.72		15820	0.004	------	10.0	
17.10		32879	0.008	------	10.0	
		52886	0.013			

Group Report For : C40+

Time	Component	Area	Final Results	% SURR	REP. LIMIT	FN

[min]	Name	[µV·s]	(ppm)	REC	mg/kg
17.86		3110	0.001	------	10.0
[illegible].82		4866	0.001	------	10.0
		7976	0.002		

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O09A128B.TX0

Software Version: 4.1<2F12>
Sample Name : 150-27 Time : 10/12/00 04:00 AM
Sample Number: DLFKG102 Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/12/00 03:39 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

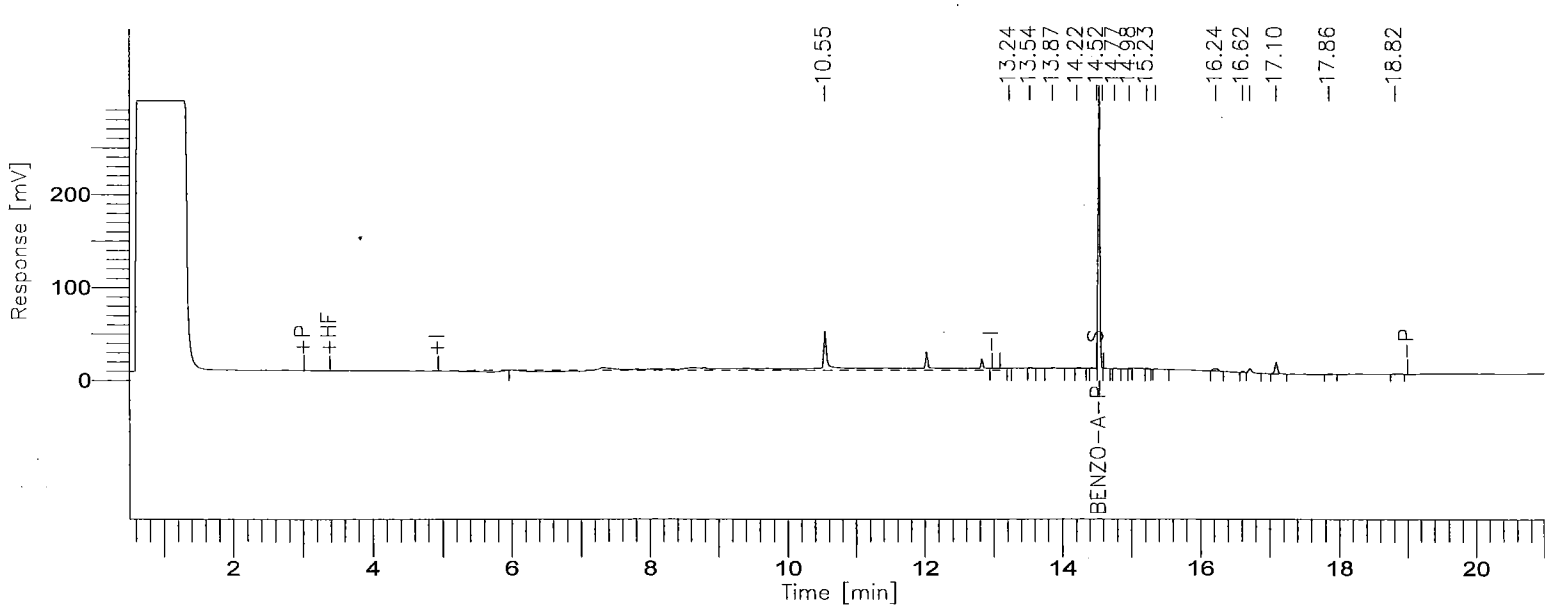
Raw Data File : C:\TC4\DATA_01\O09A128.RAW
Result File : C:\TC4\DATA_01\O09A128.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O09A128.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_01\O09A.SEQ

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 : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 18



001013

BOE-C6-0149431

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.03	DIESEL C10-C24	0	0.000	------	10.0	
14.55	BENZO-A-PYRENE	530090	12.558	100.5	10.0	
		530090	12.558			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O09A128.TXO

Lot/Sample: E0J030150-028 C-2-48-5 TICs.....: N Report Results: Y
WO#.....: DLFKJ-1-02 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/12/00
Inject Time..: 4:09 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O09A129A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....:10/02/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/13 11:55:19
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/04/00
QC Batch.....: 0278369
MS Run Number: 0278177
Prep Time....: 12:00-16:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1562-1SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05120	C8-C9			ND	10	5		
05121	C10-C11			ND	10	5		
05122	C12-C13			ND	10	5		
05123	C14-C15			ND	10	5		
05124	C16-C17			ND	10	5		
05125	C18-C19			ND	10	5		
05201	C20-C23			ND	10	5		
05202	C24-C27			ND	10	5		
05203	C28-C31			ND	10	5		
05204	C32-C35			ND	10	5		
05205	C36-C39			ND	10	5		
05132	C40+			ND	10	5		
05136	Total Carbon Chain Rang			ND	10	5		

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	13.900	111.2		

Software Version: 4.1<2F12>
Sample Name : 150-28 Time : 10/13/00 10:31 AM
Sample Number: DLFKJ102 Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/12/00 04:09 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

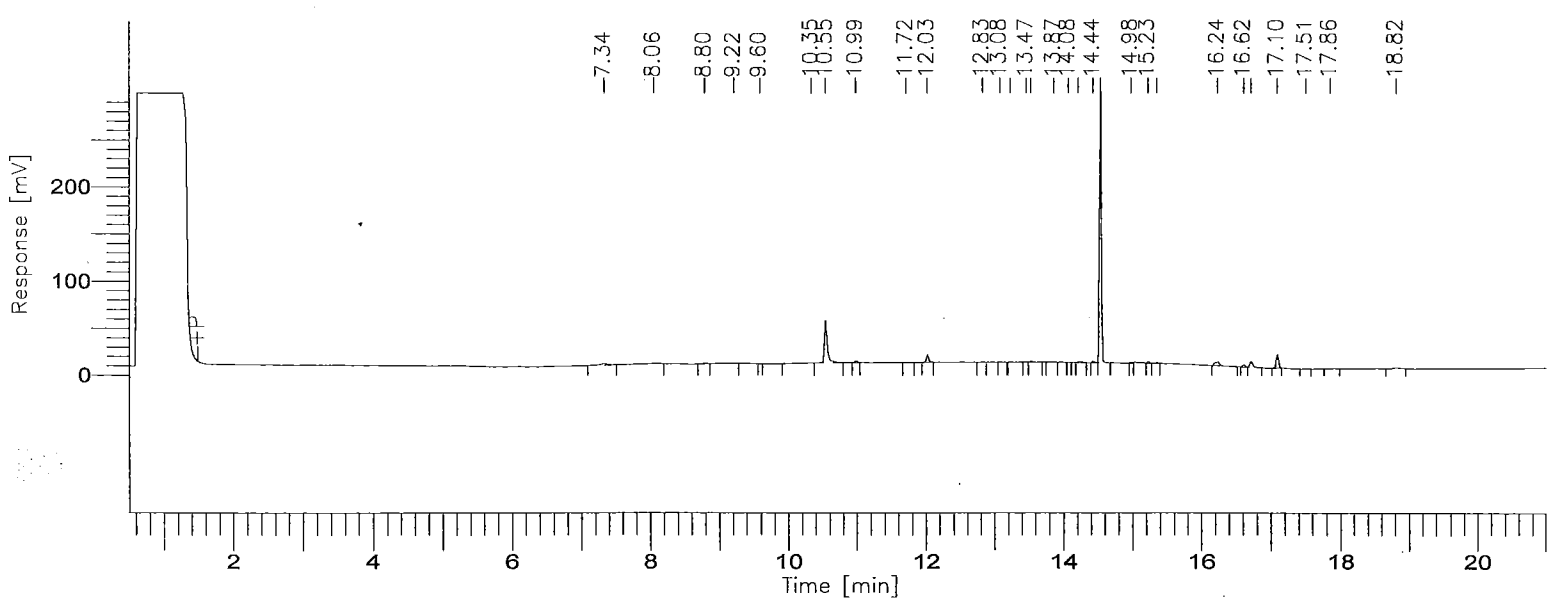
Raw Data File : C:\TC4\DATA_01\O09A129B.RAW
Result File : C:\TC4\DATA_01\O09A129B.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O09A129B.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O09B.SEQ

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 : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 30



001016

BOE-C6-0149434

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	0	0.000	------	10.0	
5.77	C10-C11	0	0.000	------	10.0	
7.31	C12-C13	13158	0.307	------	10.0	
8.59	C14-C15	12618	0.262	------	10.0	
9.69	C16-C17	5612	0.130	------	10.0	
10.72	C18-C19	135076	2.812	------	10.0	
12.02	C20-C23	18329	0.211	------	10.0	
13.53	C24-C27	16262	0.194	------	10.0	
14.82	C28-C31	598884	6.974	------	10.0	
15.90	C32-C35	20762	0.241	------	10.0	
16.99	C36-C39	58899	0.687	------	10.0	
19.29	C40+	8356	0.202	------	10.0	
		887956	12.020			

Group Report For : C8-C9

No peaks available to report

Group Report For : C10-C11

No peaks available to report

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.34		13158	0.003	------	10.0	
		13158	0.003			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
.06		8601	0.002	------	10.0	
8.80		4017	0.001	------	10.0	
		12618	0.003			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.22		5022	0.001	------	10.0	
9.60		590	0.000	------	10.0	
		5612	0.001			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
.35		5804	0.001	------	10.0	
10.55		124316	0.031	------	10.0	
10.99		4956	0.001	------	10.0	
		135076	0.034			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.72		703	0.000	------	10.0	
12.03		17626	0.004	------	10.0	
		18329	0.005			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.83		784	0.000	------	10.0	
13.08		889	0.000	------	10.0	
13.24		3021	0.001	------	10.0	
13.47		1447	0.000	------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
.54		4402	0.001	------	10.0	
13.87		2118	0.001	------	10.0	
14.08		370	9.250e-05	------	10.0	
14.22		3231	0.001	------	10.0	
		16262	0.004			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.44		3669	0.001	------	10.0	
14.55		587623	0.147	------	10.0	
14.98		2235	0.001	------	10.0	
15.23		3110	0.001	------	10.0	
15.36		2247	0.001	------	10.0	
		598884	0.150			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.24		20762	0.005	------	10.0	
		20762	0.005			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.62		5096	0.001	------	10.0	
16.72		19144	0.005	------	10.0	
17.10		33468	0.008	------	10.0	
17.51		1191	0.000	------	10.0	
		58899	0.015			

Group Report For : C40+

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

17.86	3164	0.001	------	10.0
18.82	5192	0.001	------	10.0
	8356	0.002		

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O09A129B.TX0

Software Version: 4.1<2F12>
Sample Name : 150-28 Time : 10/12/00 10:41 AM
Sample Number: DLFKJ102 Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/12/00 04:09 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

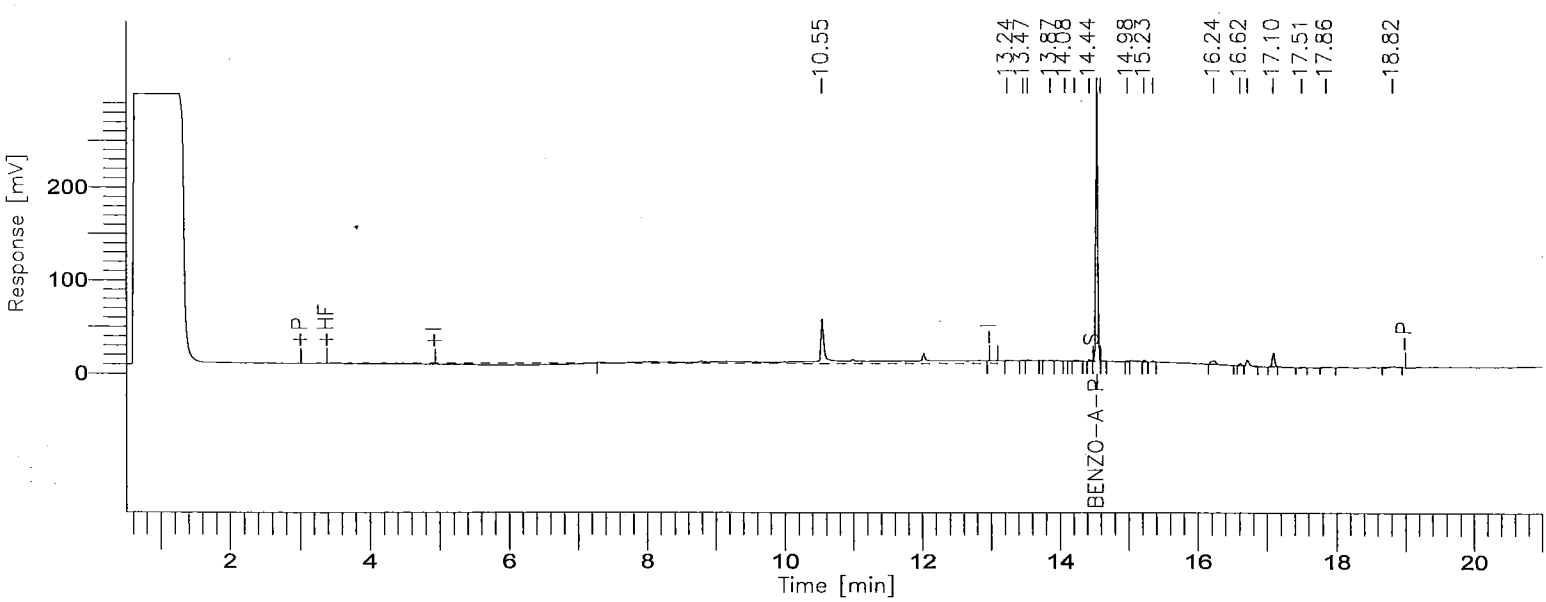
Raw Data File : C:\TC4\DATA_01\O09A129.RAW
Result File : C:\TC4\DATA_01\O09A129.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O09A129.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O09A129.R
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O09A129.R
Sequence File : C:\TC4\DATA_01\O09A.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 : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 20



001021

BOE-C6-0149439

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.03	DIESEL C10-C24	0	0.000	------	10.0	
14.55	BENZO-A-PYRENE	586754	13.900	111.2	10.0	
		586754	13.900			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O09A129.TX0

INITIAL CALIBRATION DATA

Date Analyzed: 082800

Instrument ID: GC01

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

BOE-C6-0149441

Turbochrom Method File : C:\TC4\DATA_01\METHODS\DBC10C24.MTH
Created by : ELVIE on : 11/1/99 01:41 PM
Edited by : ec on : 8/28/00 03:22 PM
Description :

Number of Times Edited : 64
Number of Times Calibrated : 562

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

DBC10C24. Mth
082800
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 5.016
Event #5 - -I at 13.098
Event #6 - -HF at 13.101
Event #7 - S at 14.679
Event #8 - S at 14.794
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

obal 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 :

DIESEL C10-C24

Component Type : Single Peak Component
Retention Time : 8.030 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	226213.50	3195.43	----------	----------	1
2	100.0000	793456.00	8527.83	----------	----------	1
3	1000.0000	7940532.00	78341.54	----------	----------	1
4	2000.0000	16609752.00	166148.41	----------	----------	1
5	5000.0000	35621371.00	341661.11	----------	----------	1

Average Calibration Factor = 7391.915940 (%RSD = 14.37)

BENZO-A-PYRENE

Component Type : Single Peak Component
Retention Time : 14.737 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	103771.92	64592.07	----------	----------	1
2	25.0000	274262.17	172578.54	----------	----------	1
3	50.0000	527346.69	299284.65	----------	----------	1
4	80.0000	841752.00	414358.87	----------	----------	1
5	100.0000	1034749.00	532930.77	----------	----------	1

Average Calibration Factor = 10552.800436 (%RSD = 2.36)

Software Version: 4.1<2F12>
Sample Name : #TEPH00-129 SECOND SOURCE DIESEL STD Time : 8/28/00 03:36 PM
Sample Number: 1000 PPM Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 8/28/00 03:12 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Second Source - good to use
From Ext. lab diesel 8-28-00
Stock # 1560-2
Source: Union 76 Edinger, Sta

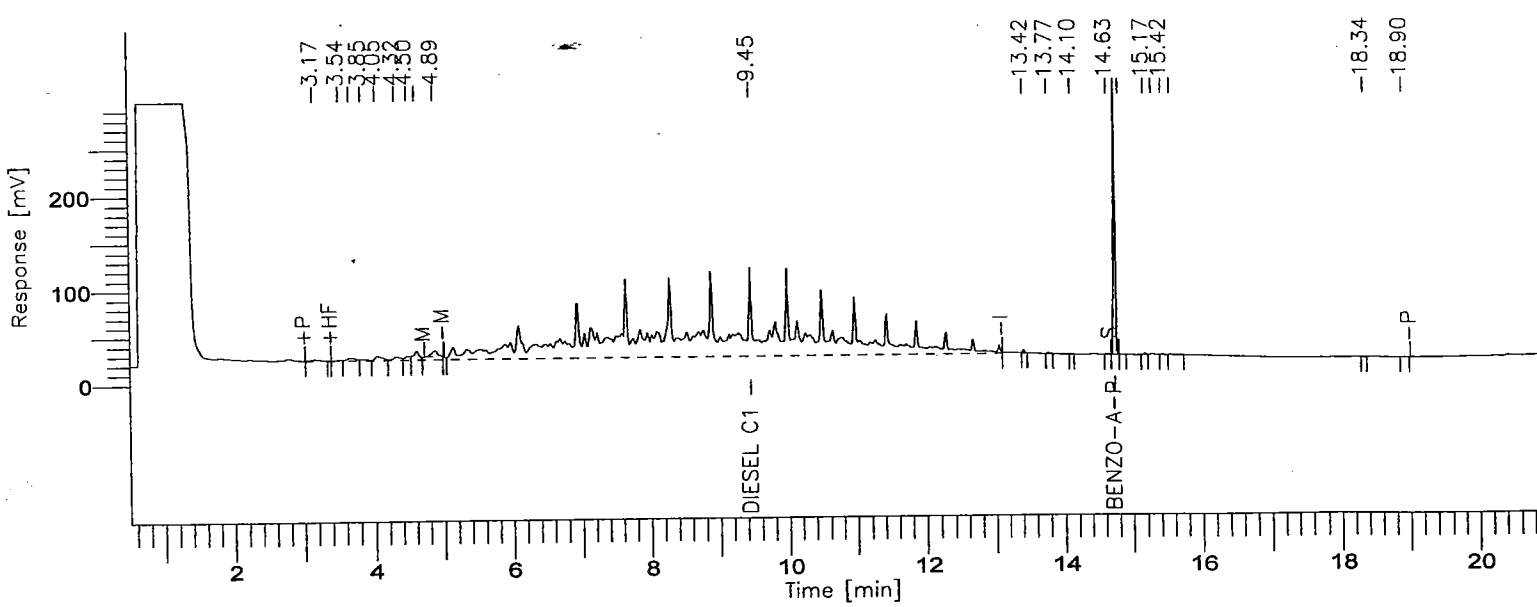
Raw Data File : C:\TC4\DATA_01\828_011.RAW
Result File : C:\TC4\DATA_01\828_011.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\828_011.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\828_011.R
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\828_011.R
Sequence File : C:\TC4\DATA_01\828.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: 22



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
3.165		10669	0.0107	------	----------
3.535		4298	0.0043	------	----------
3.684		23708	0.0237	------	----------
3.846		9046	0.0090	------	----------
4.048		31741	0.0317	------	----------
4.324		26813	0.0268	------	----------
4.502		22845	0.0228	------	----------
4.617		53811	0.0538	------	----------
4.885		101597	0.1016	------	----------
9.451	DIESEL C10-C24	8084434	1093.6859	1000.0	9.37
13.417		6000	0.0060	------	----------
13.766		2763	0.0028	------	----------
14.101		905	0.0009	------	----------
14.629		2583	0.0026	------	----------
14.735	BENZO-A-PYRENE	551748	52.2845	50.0	4.57
[illegible].800		640	0.0006	------	----------
15.167		2982	0.0030	------	----------
15.283		4065	0.0041	------	----------
15.418		2667	0.0027	------	----------
15.543		2594	0.0026	------	----------
18.335		323	0.0003	------	----------
18.895		645	0.0006	------	----------
		8946877	1146.2811		

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\828_011.TX0

Software Version: 4.1<2F12>
Date: 8/28/00 03:17 PM
Sample Name : #TEPH00-98 DIESEL STD
Data File : C:\TC4\DATA_01\828_006.RAW Date: 8/28/00 12:43 PM
Sequence File: C:\TC4\DATA_01\828.SEQ Cycle: 6 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	8.030	40.00000	226213.500000	5655.337500	4.16	5	------	------	1	0
BENZO-A-PYRENE	14.737	10.00000	103771.916667	10377.191667	0.04	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	475495.090348	7192.343741	----------	----------	0.993570	9
BENZO-A-PYRENE	0.000000	10552.800436	----------	----------	--------	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 : #TEPH00-98 DIESEL STD
Sample Number: 40 PPM
Operator :

Time : 8/28/00 03:17 PM
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: 8/28/00 12:43 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_01\828_006.RAW
Result File : C:\TC4\DATA_01\828_006.rst
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\828_006.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\828.SEQ

Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

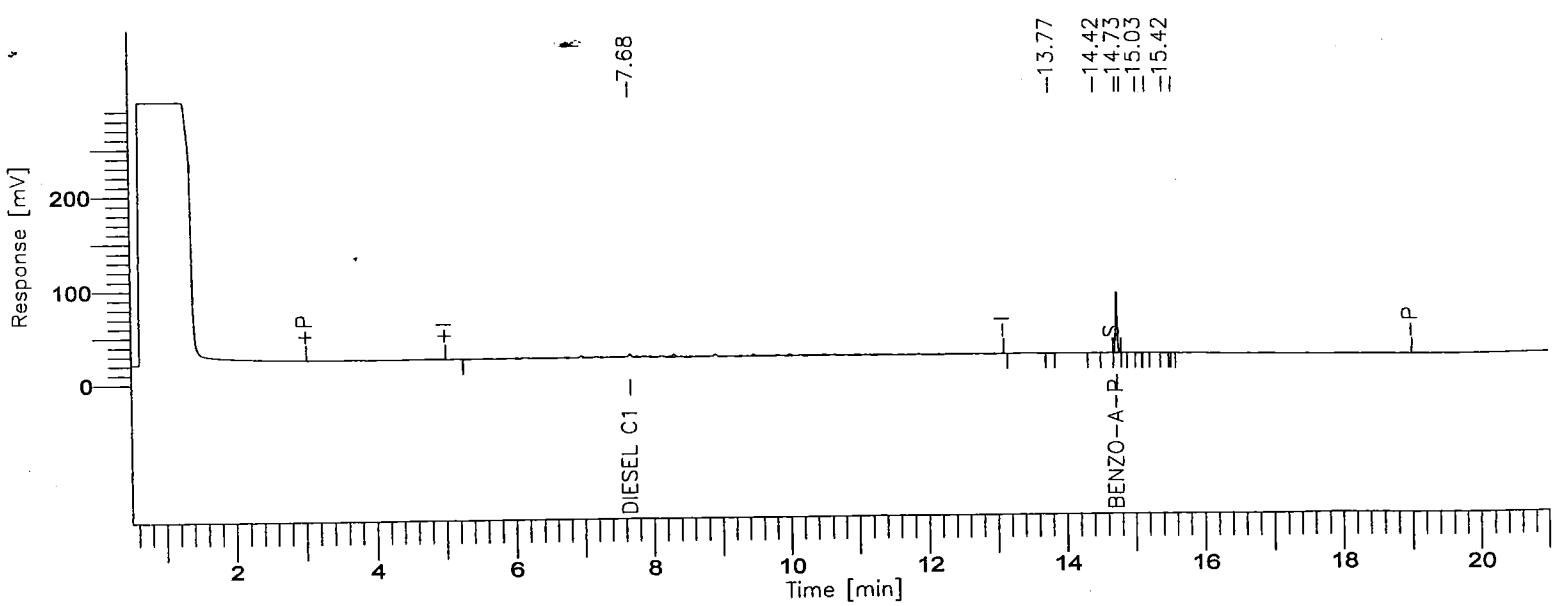
Noise Threshold: 50
Multiplier : 1.0000
r1 : TPHDA
User3 :
User5 :

Area Threshold : 200
Divisor : 1.0000
User2 :
User4 :

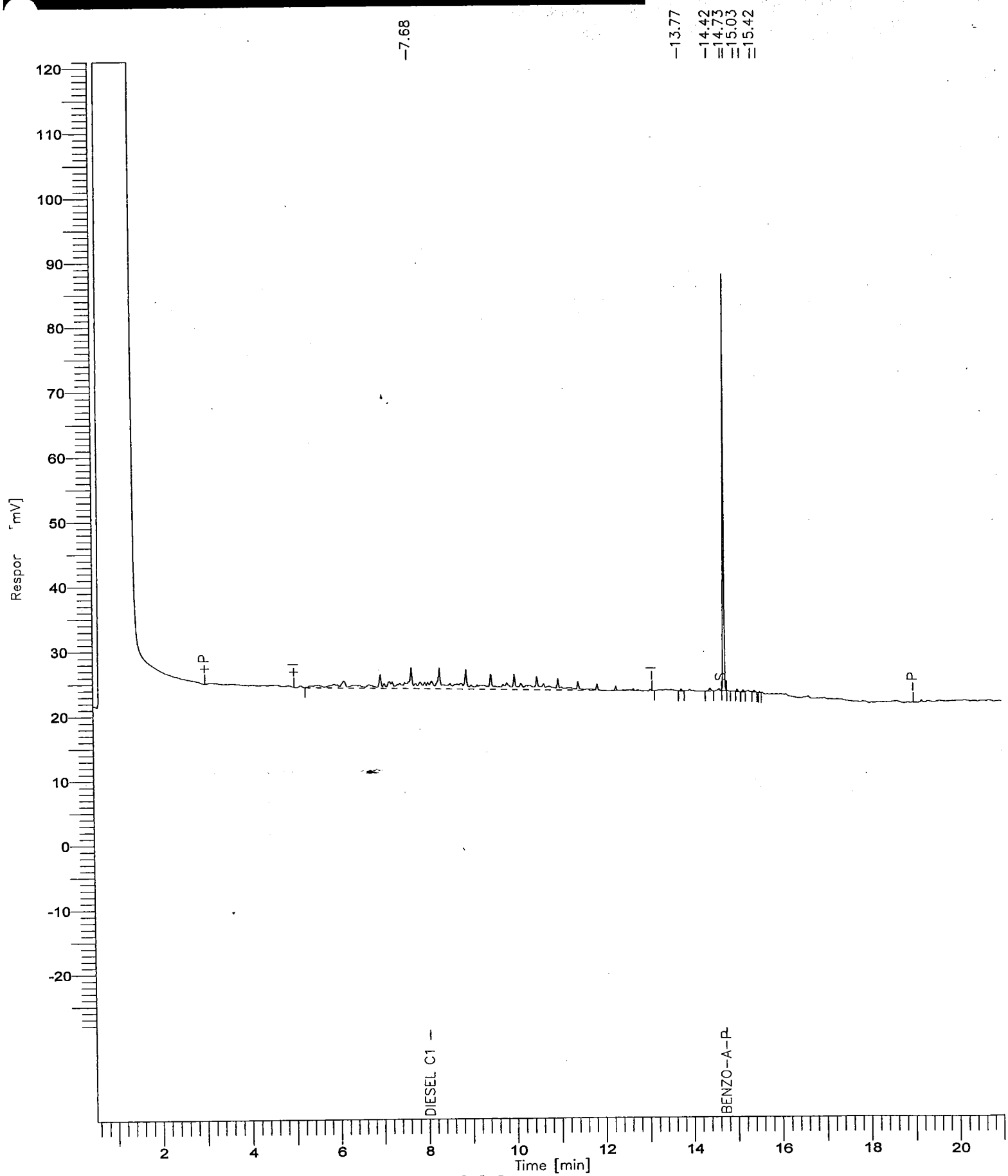
Bunch Factor: 1
Addend : 0.0000

Instrument Conditions:

Total number of peaks detected: 9



[redacted]



001030

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.68	DIESEL C10-C24	226214	-34.659	------	10.0	
14.73	BENZO-A-PYRENE	103772	9.834	78.7	10.0	
		329985	-24.826			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\828_006.TX0

Software Version: 4.1<2F12>
Date: 8/28/00 03:18 PM
Sample Name : #TEPH00-99 DIESEL STD
Data File : C:\TC4\DATA_01\828_007.RAW Date: 8/28/00 01:13 PM
S ıence File: C:\TC4\DATA_01\828.SEQ Cycle: 7 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	8.030	100.00000	793456.000000	7934.560000	4.16	5	------	------	1	0
BENZO-A-PYRENE	14.737	25.00000	274262.166667	10970.486667	0.04	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	656355.376644	7145.018872	----------	----------	0.994383	9
BENZO-A-PYRENE	0.000000	10552.800436	----------	----------	--------	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 : #TEPH00-99 DIESEL STD Time : 8/28/00 03:18 PM
Sample Number: 100 PPM Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 8/28/00 01:13 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

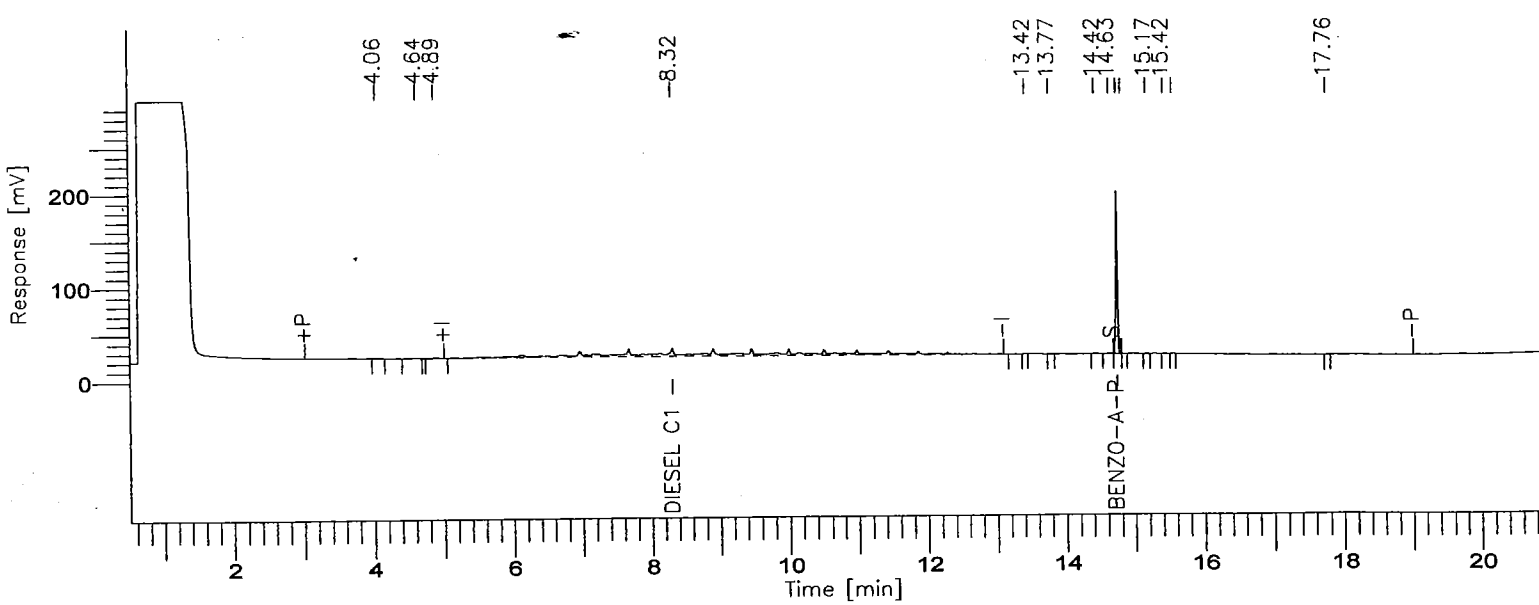
Raw Data File : C:\TC4\DATA_01\828_007.RAW
Result File : C:\TC4\DATA_01\828_007.rst
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\828_007.r
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_01\828.SEQ

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
r1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 14



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.32	DIESEL C10-C24	793456	19.188	------	10.0	
14.73	BENZO-A-PYRENE	274262	25.990	207.9	10.0	
		1067718	45.178			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\828_007.TX0

Software Version: 4.1<2F12>
Date: 8/28/00 03:19 PM
Sample Name : #TEPH00-143 DIESEL STD
Data File : C:\TC4\DATA_01\828_008.RAW Date: 8/28/00 01:43 PM
Sequence File: C:\TC4\DATA_01\828.SEQ Cycle: 8 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	8.030	1000.00000	7940532.000000	7940.532000	4.16	5	------	------	1	0
BENZO-A-PYRENE	14.737	50.00000	527346.692308	10546.933846	0.04	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	635236.090529	7148.050866	----------	----------	0.994423	9
BENZO-A-PYRENE	0.000000	10552.800436	----------	----------	--------	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 : #TEPH00-143 DIESEL STD
Sample Number: 1000 PPM
Operator :

Time : 8/28/00 03:19 PM
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: 8/28/00 01:43 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_01\828_008.RAW
Result File : C:\TC4\DATA_01\828_008.rst
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\828_008.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\828.SEQ

Sample Volume : 1.0000 uL
Sample Amount : 1.0000

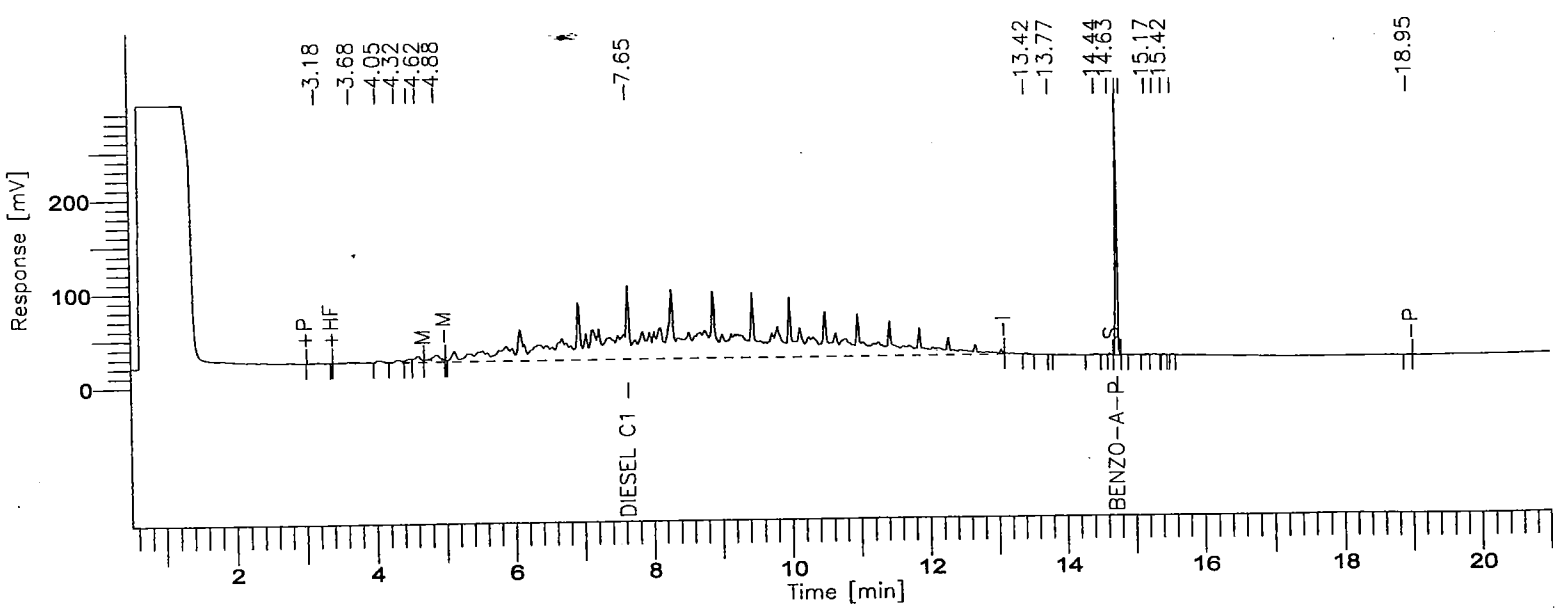
Area Reject : 0.000000
Dilution Factor : 1.00

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: 19



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.65	DIESEL C10-C24	7940532	1021.998	------	10.0	
14.74	BENZO-A-PYRENE	527347	49.972	399.8	10.0	
		8467879	1071.971			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\828_008.TX0

Software Version: 4.1<2F12>
Date: 8/28/00 03:20 PM
Sample Name : #TEPH00-101 DIESEL STD
Data File : C:\TC4\DATA_01\828_009.RAW Date: 8/28/00 02:12 PM
S ıence File: C:\TC4\DATA_01\828.SEQ Cycle: 9 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	8.030	2000.00000	1.66097520e+07	8304.876000	4.16	5	------	------	1	0
BENZO-A-PYRENE	14.737	80.00000	841752.000000	10521.900000	0.04	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	607380.729520	7144.277746	----------	----------	0.995117	9
BENZO-A-PYRENE	0.000000	10552.800436	----------	----------	--------	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 : #TEPH00-101 DIESEL STD
Sample Number: 2000 PPM
Operator :

Time : 8/28/00 03:20 PM
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: 8/28/00 02:12 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_01\828_009.RAW
Result File : C:\TC4\DATA_01\828_009.rst
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\828_009.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\828.SEQ

Sample Volume : 1.0000 uL
Sample Amount : 1.0000

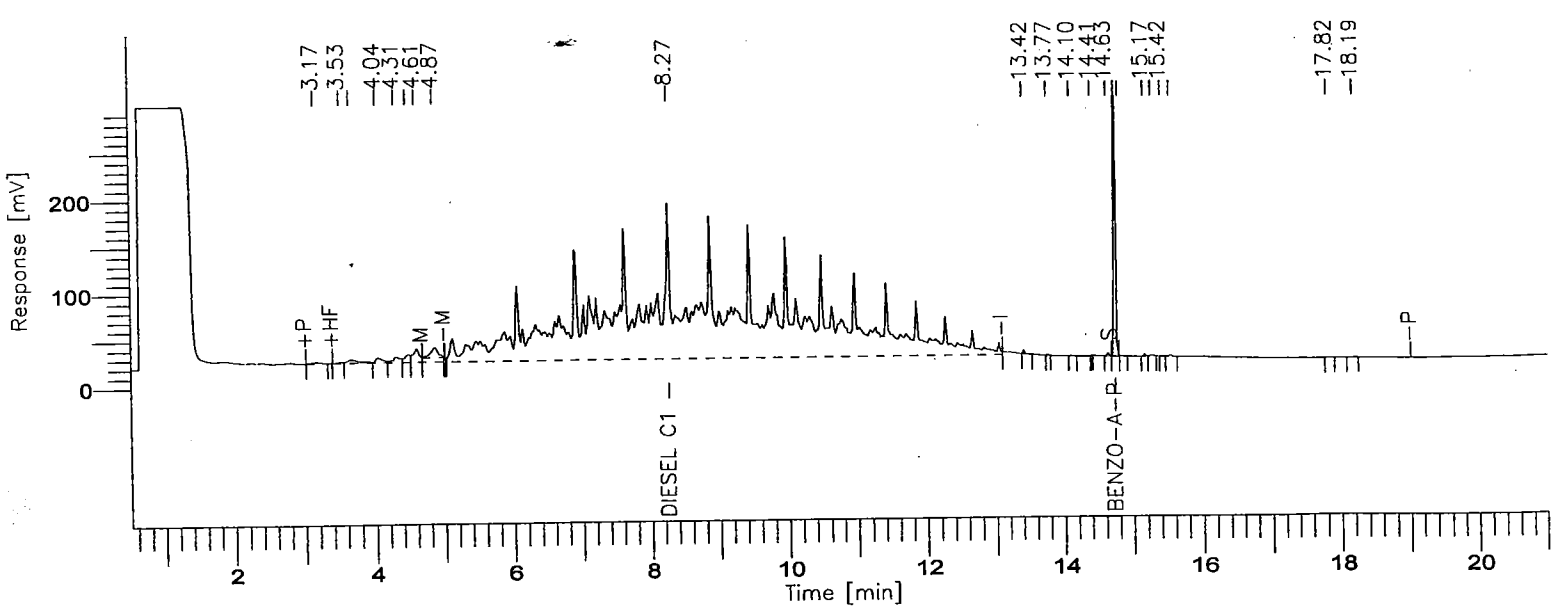
Area Reject : 0.000000
Dilution Factor : 1.00

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: 22



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.27	DIESEL C10-C24	16609752	2239.886	------	10.0	
14.74	BENZO-A-PYRENE	841752	79.766	638.1	10.0	
		17451504	2319.652			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\828_009.TXO

Software Version: 4.1<2F12>
Date: 8/28/00 03:10 PM
Sample Name : #TEPH00-102 DIESEL STD
Data File : C:\TC4\DATA_01\828_010.RAW Date: 8/28/00 02:42 PM
S ıence File: C:\TC4\DATA_01\828.SEQ Cycle: 10 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	8.030	5000.00000	3.56213710e+07	7124.274200	4.16	5	------	------	1	0
BENZO-A-PYRENE	14.737	100.00000	1034749.000000	10347.490000	0.04	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	137509.351670	7145.248371	----------	----------	0.999202	9
BENZO-A-PYRENE	0.000000	10491.132103	----------	----------	--------	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 : #TEPH00-102 DIESEL STD
Sample Number: 5000 PPM
Operator :

Time : 8/28/00 03:10 PM
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: 8/28/00 02:42 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_01\828_010.RAW
Result File : C:\TC4\DATA_01\828_010.rst
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\828_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\828.SEQ

Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

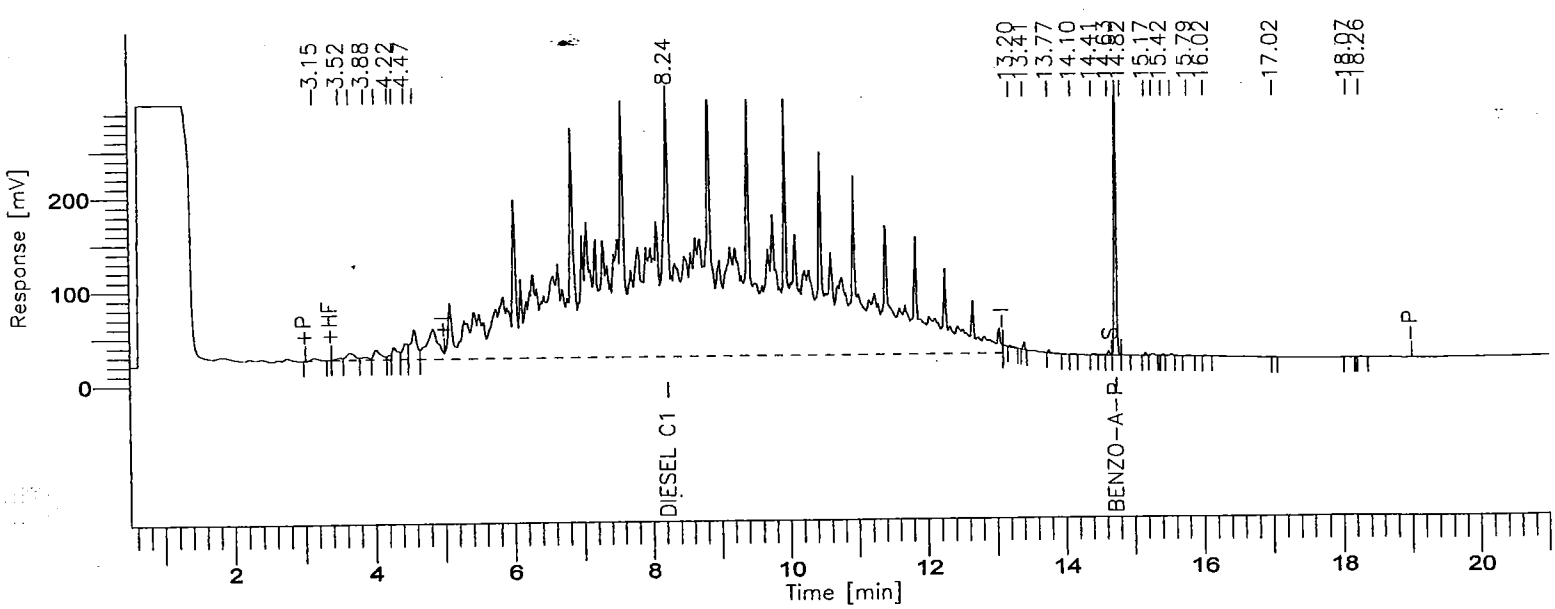
Noise Threshold: 50
Multiplier : 1.0000
User1 : TPHDA
User3 :
User5 :

Area Threshold : 200
Divisor : 1.0000
User2 :
User4 :

Bunch Factor: 1
Addend : 0.0000

Instrument Conditions:

Total number of peaks detected: 27



001042

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.24	DIESEL C10-C24	35621371	4966.078	------	10.0	
14.74	BENZO-A-PYRENE	1034749	98.631	789.0	10.0	
		36656120	5064.709			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\828_010.TX0

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

Time : 8/28/00 03:35 PM
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: 8/28/00 12:14 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_01\828_005.RAW
Result File : C:\TC4\DATA_01\828_005.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\828_005.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\828.SEQ

Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

Noise Threshold: 50
Multiplier : 1.0000

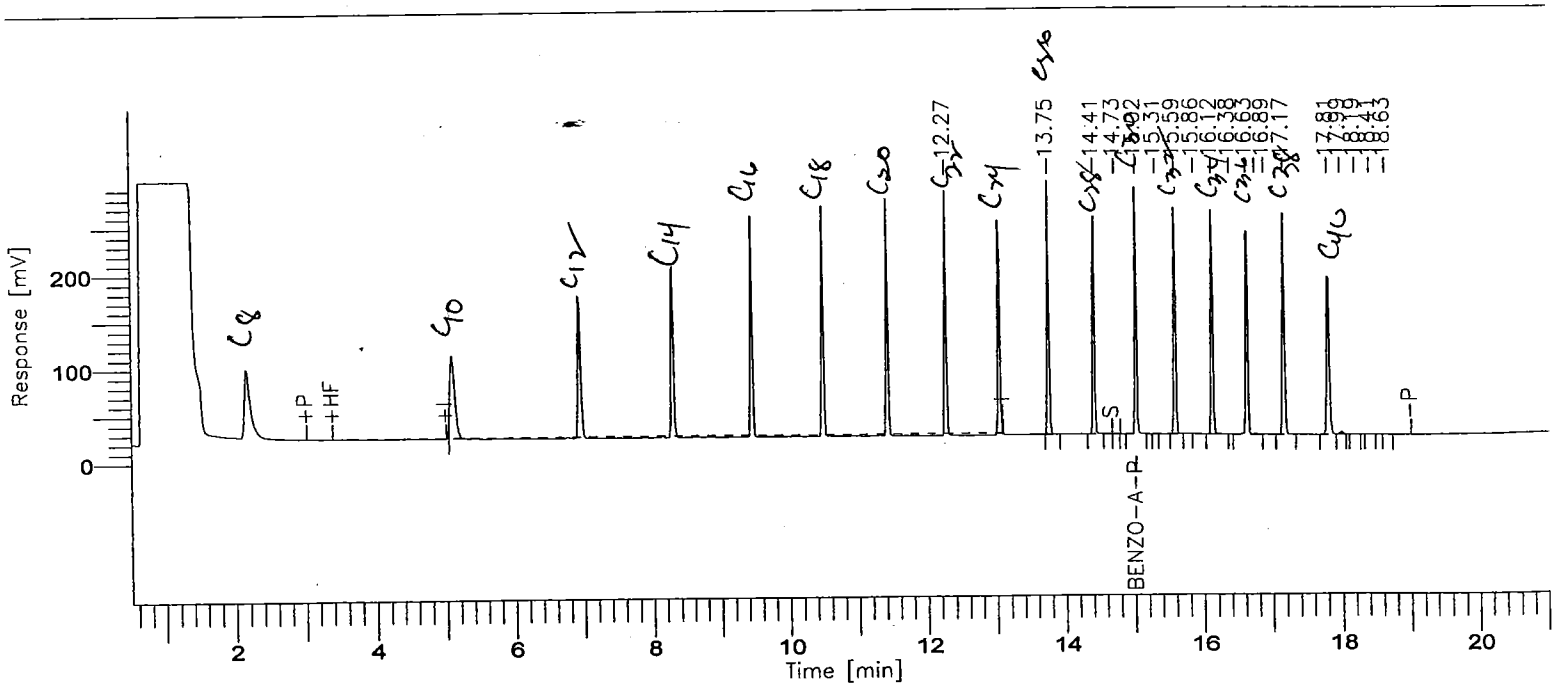
Area Threshold : 200
Divisor : 1.0000

Bunch Factor: 1
Addend : 0.0000

User1 : TPHDA
User2 :
User3 :
User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 19



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.03	DIESEL C10-C24	0	0.000	------	10.0	
15.02	BENZO-A-PYRENE	478054	45.301	362.4	10.0	
		478054	45.301			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\828_005.TX0

Turbochrom Sequence File : C:\TC4\DATA_01\828.SEQ
Created by : doug on : 8/28/00 09:10 AM
Edited by : EC on : 8/28/00 10:46 AM
Description :

Number of Times Edited : 2

Sequence File Header Information:

Number of Rows : 131
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	MECL2	MECL2	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
3	Sample	RT MARKER	C8-C40	ICAL 8/28/	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	RT MARKER	C8-C40	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
6	Cal:Replace	#TEPH00-98 DIES	40 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
7	Cal:Replace	#TEPH00-99 DIES	100 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
8	Cal:Replace	#TEPH00-143 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
9	Cal:Replace	#TEPH00-101 DIE	2000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
10	Cal:Replace	#TEPH00-102 DIE	5000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
11	Std Check	#TEPH00-129 SEC	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
12	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
13	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
14	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
15	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
16	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
17	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
	Cal:Replace			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
	Cal:Replace			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
20	Cal:Replace			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
21	Cal:Replace			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
22	Cal:Replace			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
23	Std Check			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
24	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
25	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
26	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
27	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
28	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
29	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
30	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
31	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
32	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
33	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
34	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
35	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
36	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
37	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
38	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
39	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
40	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
41	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
42	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
43	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
44	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
45	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
46	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
47	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
48	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
49	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
50	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
51	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
52	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
[illegible]	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
[illegible]	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
55	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
56	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
57	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
58	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
59	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
60	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000

INITIAL CALIBRATION DATA

Date Analyzed: 10-3-00

Instrument ID: GC 1

C8 → C40

Turbochrom Method File : C:\TC4\DATA_01\METHODS\C8-C40A.MTH <Modified>
Created by : ELVIE on : 6/8/00 12:53 PM
Edited by : ec on : 10/4/00 10:00 AM
Description :

Number of Times Edited : 32
Number of Times Calibrated : 589

ICAL 10-3-00

ALL AVG CF

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

Component Type : Timed Group
Start Time : 1.957 min End Time : 4.935 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	98942.00	20976.93	----------	----------	1
2	20.0000	181282.00	37531.86	----------	----------	1
3	30.0000	314824.00	65619.88	----------	----------	1
4	40.0000	420877.00	85133.87	----------	----------	1
5	50.0000	499248.00	102748.16	----------	----------	1

Average Calibration Factor = 9991.863667 (%RSD = 5.93)

C10-C11
Component Type : Timed Group
Start Time : 4.936 min End Time : 6.607 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	104746.00	34392.64	----------	----------	1
2	20.0000	191191.38	60962.83	----------	----------	1
3	30.0000	331740.00	100901.38	----------	----------	1
4	40.0000	443619.70	132979.35	----------	----------	1
5	50.0000	528720.50	149845.42	----------	----------	1

Average Calibration Factor = 10551.414346 (%RSD = 5.88)

C12-C13
Component Type : Timed Group
Start Time : 6.608 min End Time : 8.021 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	110266.00	49885.54	----------	----------	1
2	20.0000	193761.27	82016.59	----------	----------	1

3	30.0000	333534.97	151395.93	----------	----------	1
4	40.0000	448041.99	196026.43	----------	----------	1
5	50.0000	531098.96	212299.79	----------	----------	1

Average Calibration Factor = 10731.104958 (%RSD = 5.81)

C14-C15

Component Type : Timed Group
Start Time : 8.022 min End Time : 9.151 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	150365.50	56818.65	----------	----------	1
2	20.0000	218824.35	104560.13	----------	----------	1
3	30.0000	355440.23	181276.09	----------	----------	1
4	40.0000	462324.60	230294.14	----------	----------	1
5	50.0000	542272.36	257979.20	----------	----------	1

Average Calibration Factor = 12045.867437 (%RSD = 14.31)

C16-C17

Component Type : Timed Group
Start Time : 9.152 min End Time : 10.231 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	112854.50	64028.09	----------	----------	1
2	20.0000	190749.20	112897.43	----------	----------	1
3	30.0000	330558.30	189891.03	----------	----------	1
4	40.0000	459089.70	244401.96	----------	----------	1
5	50.0000	539937.28	279018.73	----------	----------	1

Average Calibration Factor = 10823.501644 (%RSD = 7.06)

C18-C19

Component Type : Timed Group
Start Time : 10.232 min End Time : 11.208 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	151176.00	80086.96	----------	----------	1
2	20.0000	215221.80	120773.02	----------	----------	1
3	30.0000	352871.50	189396.26	----------	----------	1
4	40.0000	461316.00	235650.36	----------	----------	1
5	50.0000	543630.90	269400.10	----------	----------	1

Average Calibration Factor = 12009.318282 (%RSD = 14.90)

C20-C23

Component Type : Timed Group
Start Time : 11.209 min End Time : 12.826 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	239776.61	124095.51	----------	----------	1
2	20.0000	389112.00	212507.34	----------	----------	1
3	30.0000	657391.50	364652.88	----------	----------	1
4	40.0000	887047.50	508553.47	----------	----------	1
5	50.0000	1052064.00	610875.15	----------	----------	1

Average Calibration Factor = 21712.755605 (%RSD = 7.61)

C24-C27

Component Type : Timed Group
Start Time : 12.827 min End Time : 14.240 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	212010.89	119498.53	----------	----------	1
2	20.0000	369377.00	203971.43	----------	----------	1
3	30.0000	656313.50	351026.98	----------	----------	1
4	40.0000	889214.50	472726.38	----------	----------	1
5	50.0000	1058488.00	566065.73	----------	----------	1

Average Calibration Factor = 20989.435728 (%RSD = 7.05)

C28-C31

Component Type : Timed Group
Start Time : 14.241 min End Time : 15.397 min
Reference Component:

001051

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	226569.00	115504.35	----------	----------	1
2	20.0000	379511.00	192383.60	----------	----------	1
3	30.0000	661454.00	338948.30	----------	----------	1
4	40.0000	894571.00	466021.08	----------	----------	1
5	50.0000	1064732.00	567732.02	----------	----------	1

Average Calibration Factor = 21467.966333 (%RSD = 6.91)

C32-C35
Component Type : Timed Group
Start Time : 15.398 min End Time : 16.398 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	227906.79	122057.86	----------	----------	1
2	20.0000	384509.87	224290.30	----------	----------	1
3	30.0000	663450.00	389173.28	----------	----------	1
4	40.0000	891252.50	529120.62	----------	----------	1
5	50.0000	1061257.50	636964.70	----------	----------	1

Average Calibration Factor = 21527.526898 (%RSD = 6.53)

C36-C39
Component Type : Timed Group
Start Time : 16.399 min End Time : 17.580 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	225067.21	101651.75	----------	----------	1
2	20.0000	393223.63	192977.38	----------	----------	1
3	30.0000	656936.00	326906.93	----------	----------	1
4	40.0000	879493.00	440446.22	----------	----------	1
5	50.0000	1051892.50	530395.23	----------	----------	1

Average Calibration Factor = 21418.188935 (%RSD = 5.20)

C40+

Component Type : Timed Group
Start Time : 17.581 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	103852.50	39580.28	----------	----------	1
2	20.0000	191119.00	74937.86	----------	----------	1
3	30.0000	320957.50	128162.59	----------	----------	1
4	40.0000	428857.00	172389.14	----------	----------	1
5	50.0000	513060.00	205176.18	----------	----------	1

Average Calibration Factor = 10324.481667 (%RSD = 4.58)

Software Version: 4.1<2F12>
Date: 10/4/00 09:57 AM
Sample Name : #TEPH00-165 RT MARKER
[illegible]a File : C:\TC4\DATA_01\003_019.RAW Date: 10/3/00 09:06 PM
Sequence File: C:\TC4\DATA_01\003.SEQ Cycle: 19 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	3.446	10.00000	98942.000000	9894.200000	------	1	------	------	1	0
C10-C11	5.771	10.00000	104746.000000	10474.600000	------	1	------	------	1	0
C12-C13	7.314	10.00000	110266.000000	11026.600000	------	1	------	------	1	0
C14-C15	8.586	10.00000	150365.500000	15036.550000	------	1	------	------	1	0
C16-C17	9.691	10.00000	112854.500000	11285.450000	------	1	------	------	1	0
C18-C19	10.720	10.00000	151176.000000	15117.600000	------	1	------	------	1	0
[illegible]-C23	12.018	10.00000	239776.605263	23977.660526	------	1	------	------	1	0
[illegible]-C27	13.534	10.00000	212010.894737	21201.089474	------	1	------	------	1	0
C28-C31	14.819	10.00000	226569.000000	22656.900000	------	1	------	------	1	0
C32-C35	15.898	10.00000	227906.785714	22790.678571	------	1	------	------	1	0
C36-C39	16.989	10.00000	225067.214286	22506.721429	------	1	------	------	1	0
C40+	19.290	10.00000	103852.500000	10385.250000	------	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	9991.863667	----------	----------	--------	9
C10-C11	0.000000	10551.414346	----------	----------	--------	9
C12-C13	0.000000	10731.104958	----------	----------	--------	9
C14-C15	0.000000	12090.393179	----------	----------	--------	9
C16-C17	0.000000	10778.975901	----------	----------	--------	9
C18-C19	0.000000	12009.318282	----------	----------	--------	9
C20-C23	0.000000	21712.755605	----------	----------	--------	9
C24-C27	0.000000	20988.613228	----------	----------	--------	9
C28-C31	0.000000	29951.450620	----------	----------	--------	9
[illegible]-C35	0.000000	13044.042611	----------	----------	--------	9
[illegible]C39	0.000000	21418.188935	----------	----------	--------	9
[illegible]+	0.000000	10324.481667	----------	----------	--------	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
Sample Number: 10 PPM
(rator :

Time : 10/4/00 09:57 AM
Study : ICAL10/03/00

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

Channel : A A/D mV Range : 1000

Interface Serial # : 2136574898 Data Acquisition Time: 10/3/00 09:06 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_01\O03_019.RAW
Result File : C:\TC4\DATA_01\O03_019.RST
Inst Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\O03_019.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\O03.SEQ

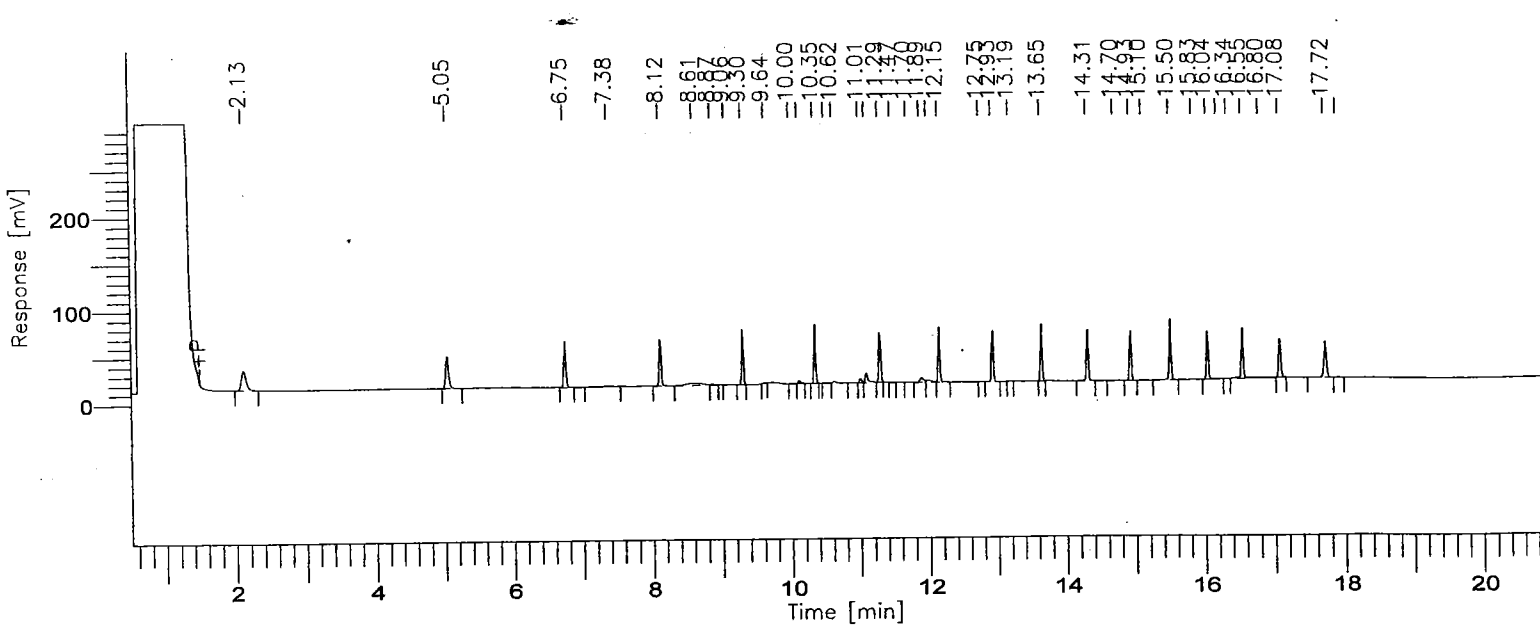
Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

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

Instrument Conditions:

Total number of peaks detected: 41



001056

BOE-C6-0149474

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	98942	9.902	------	10.0	
5.77	C10-C11	104746	9.927	------	10.0	
7.31	C12-C13	110266	10.275	------	10.0	
8.59	C14-C15	150365	12.437	------	10.0	
9.69	C16-C17	112854	10.470	------	10.0	
10.72	C18-C19	151176	12.588	------	10.0	
12.02	C20-C23	239777	11.043	------	10.0	
13.53	C24-C27	212011	10.101	------	10.0	
14.82	C28-C31	226569	7.565	------	10.0	
15.90	C32-C35	227907	17.472	------	10.0	
16.99	C36-C39	225067	10.508	------	10.0	
19.29	C40+	103853	10.059	------	10.0	
		1963533	132.348			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
2.12		98942	0.099	------	10.0	
		98942	0.099			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.05		104746	0.105	------	10.0	
		104746	0.105			

Group Report For : C12-C13

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

6.75		104602	0.105	------	10.0
7.38		5664	0.006	------	10.0
		110266	0.110		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.12		105551	0.106	------	10.0	
8.61		39568	0.040	------	10.0	
8.87		3185	0.003	------	10.0	
9.06		2062	0.002	------	10.0	
		150365	0.150			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
30		102360	0.102	------	10.0	
9.64		1442	0.001	------	10.0	
10.00		1275	0.001	------	10.0	
10.12		7777	0.008	------	10.0	
		112854	0.113			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.35		102807	0.103	------	10.0	
10.50		2274	0.002	------	10.0	
10.62		6043	0.006	------	10.0	
11.01		11029	0.011	------	10.0	
11.09		29023	0.029	------	10.0	
		151176	0.151			

oup Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.29		103326	0.103	------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.47		887	0.001	------	10.0	
11.70		527	0.001	------	10.0	
11.89		18802	0.019	------	10.0	
11.99		10069	0.010	------	10.0	
12.15		105705	0.106	------	10.0	
12.75		461	0.000	------	10.0	
		239777	0.240			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.93		105200	0.105	------	10.0	
13.18		1114	0.001	------	10.0	
13.65		105697	0.106	------	10.0	
		212011	0.212			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.31		110966	0.111	------	10.0	
14.70		4854	0.005	------	10.0	
14.93		106548	0.107	------	10.0	
15.10		4201	0.004	------	10.0	
		226569	0.227			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.50		111715	0.112	------	10.0	
15.83		5262	0.005	------	10.0	
16.04		102405	0.102	------	10.0	
.19		6715	0.007	------	10.0	
16.34		1809	0.002	------	10.0	
		227907	0.228			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.55		110363	0.110	------	10.0	
16.80		16677	0.017	------	10.0	
17.07		98027	0.098	------	10.0	
		225067	0.225			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.72		101619	0.102	------	10.0	
17.89		2234	0.002	------	10.0	
		103853	0.104			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\003_019.TX0

Software Version: 4.1<2F12>
Date: 10/4/00 09:57 AM
Sample Name : #TEPH00-166 RT MARKER
Data File : C:\TC4\DATA_01\003_020.RAW Date: 10/3/00 09:36 PM
Sequence File: C:\TC4\DATA_01\003.SEQ Cycle: 20 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	3.446	20.00000	181282.000000	9064.100000	0.00	2	------	------	1	0
C10-C11	5.771	20.00000	191191.384615	9559.569231	0.00	2	------	------	1	0
C12-C13	7.314	20.00000	193761.267559	9688.063378	0.00	2	------	------	1	0
C14-C15	8.586	20.00000	218824.347826	10941.217391	0.00	2	------	------	1	0
C16-C17	9.691	20.00000	190749.200000	9537.460000	0.00	2	------	------	1	0
C18-C19	10.720	20.00000	215221.800000	10761.090000	0.00	2	------	------	1	0
C20-C23	12.018	20.00000	389112.000000	19455.600000	0.00	2	------	------	1	0
C24-C27	13.534	20.00000	369377.000000	18468.850000	0.00	2	------	------	1	0
C28-C31	14.819	20.00000	379511.000000	18975.550000	0.00	2	------	------	1	0
C32-C35	15.898	20.00000	384509.868421	19225.493421	0.00	2	------	------	1	0
C36-C39	16.989	20.00000	393223.631579	19661.181579	0.00	2	------	------	1	0
C40+	19.290	20.00000	191119.000000	9555.950000	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	9991.863667	----------	----------	--------	9
C10-C11	0.000000	10551.414346	----------	----------	--------	9
C12-C13	0.000000	10731.104958	----------	----------	--------	9
C14-C15	0.000000	12090.393179	----------	----------	--------	9
C16-C17	0.000000	10778.975901	----------	----------	--------	9
C18-C19	0.000000	12009.318282	----------	----------	--------	9
C20-C23	0.000000	21712.755605	----------	----------	--------	9
C24-C27	0.000000	20988.613228	----------	----------	--------	9
C28-C31	0.000000	28051.585620	----------	----------	--------	9
C32-C35	0.000000	14943.907611	----------	----------	--------	9
C36-C39	0.000000	21418.188935	----------	----------	--------	9
C40+	0.000000	10324.481667	----------	----------	--------	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 Time : 10/4/00 09:58 AM
Sample Number: 20 PPM Study : ICAL10/03/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/3/00 09:36 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

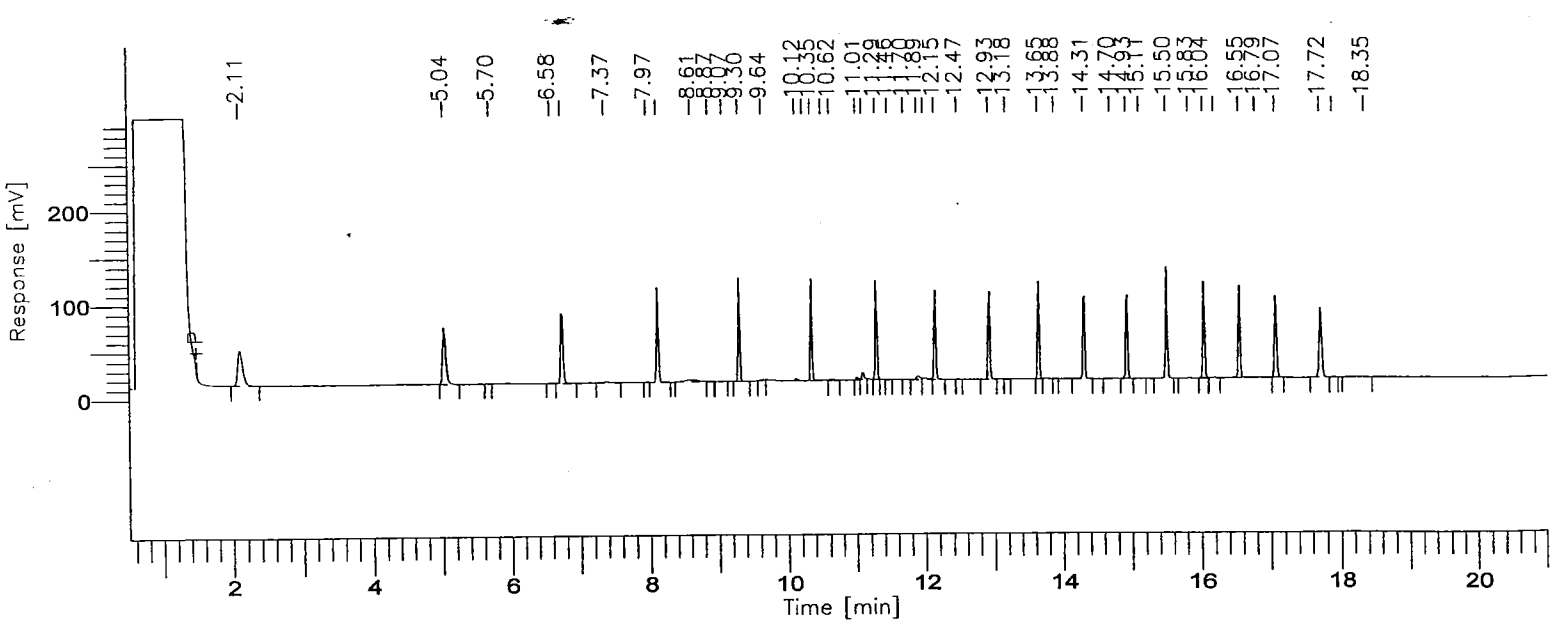
Raw Data File : C:\TC4\DATA_01\O03_020.RAW
Result File : C:\TC4\DATA_01\O03_020.RST
Inst Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\O03_020.RS
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O03.SEQ

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: 45



001063

BOE-C6-0149481

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	181282	18.143	------	10.0	
5.77	C10-C11	191191	18.120	------	10.0	
7.31	C12-C13	193761	18.056	------	10.0	
8.59	C14-C15	218824	18.099	------	10.0	
9.69	C16-C17	190749	17.696	------	10.0	
10.72	C18-C19	215222	17.921	------	10.0	
12.02	C20-C23	389112	17.921	------	10.0	
13.53	C24-C27	369377	17.599	------	10.0	
14.82	C28-C31	379511	13.529	------	10.0	
15.90	C32-C35	384510	25.730	------	10.0	
16.99	C36-C39	393224	18.359	------	10.0	
19.29	C40+	191119	18.511	------	10.0	
		3297882	219.685			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
2.11		181282	0.181	------	10.0	
		181282	0.181			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.04		189332	0.189	------	10.0	
5.70		203	0.000	------	10.0	
6.58		1656	0.002	------	10.0	
		191191	0.191			

Group Report For : C12-C13

Time	Component	Area	Final Results	% SURR	REP. LIMIT	FN

[min]	Name	[µV·s]	(ppm)	REC	mg/kg
74		187743	0.188	------	10.0
..37		4956	0.005	------	10.0
7.97		1063	0.001	------	10.0
		193761	0.194		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.12		185237	0.185	------	10.0	
8.61		30042	0.030	------	10.0	
8.87		2322	0.002	------	10.0	
9.07		1223	0.001	------	10.0	
		218824	0.219			

Group Report For : C16-C17

[min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.30		181367	0.181	------	10.0	
9.64		2049	0.002	------	10.0	
10.12		6429	0.006	------	10.0	
10.23		904	0.001	------	10.0	
		190749	0.191			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.35		181663	0.182	------	10.0	
10.51		4127	0.004	------	10.0	
10.62		4432	0.004	------	10.0	
11.01		7349	0.007	------	10.0	
11.09		17651	0.018	------	10.0	
		215222	0.215			

Group Report For : C20-C23

Time	Component	Area	Final Results	% SURR	REP. LIMIT	FN

[min]	Name	[µV·s]	(ppm)	REC	mg/kg
1[illegible] 29		181508	0.182	------	10.0
1[illegible].46		560	0.001	------	10.0
11.70		563	0.001	------	10.0
11.89		14696	0.015	------	10.0
11.98		8022	0.008	------	10.0
12.15		183309	0.183	------	10.0
12.47		454	0.000	------	10.0
		389112	0.389		

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.93		183241	0.183	------	10.0	
13.17		829	0.001	------	10.0	
13.65		184925	0.185	------	10.0	
13.88		382	0.000	------	10.0	
		369377	0.369			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.31		188779	0.189	------	10.0	
14.70		3774	0.004	------	10.0	
14.93		184718	0.185	------	10.0	
15.11		2240	0.002	------	10.0	
		379511	0.380			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.50		189986	0.190	------	10.0	
15.83		3581	0.004	------	10.0	
[illegible].04		186422	0.186	------	10.0	
16.19		4521	0.005	------	10.0	
		384510	0.385			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.55		194622	0.195	------	10.0	
16.79		8207	0.008	------	10.0	
17.07		190395	0.190	------	10.0	
		393224	0.393			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.72		183916	0.184	------	10.0	
17.89		2692	0.003	------	10.0	
18.35		4511	0.005	------	10.0	
		191119	0.191			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\003_020.TX0

Software Version: 4.1<2F12>
Date: 10/4/00 09:58 AM
Sample Name : #TEPH00 167 RT MARKER
Data File : C:\TC4\DATA_01\003_021.RAW Date: 10/3/00 10:06 PM
Sequence File: C:\TC4\DATA_01\003.SEQ Cycle: 21 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	3.446	30.00000	314824.000000	10494.133333	0.00	3	------	------	1	0
C10-C11	5.771	30.00000	331740.000000	11058.000000	0.00	3	------	------	1	0
C12-C13	7.314	30.00000	333534.972222	11117.832407	0.00	3	------	------	1	0
C14-C15	8.586	30.00000	355440.229270	11848.007642	0.00	3	------	------	1	0
C16-C17	9.691	30.00000	330558.298507	11018.609950	0.00	3	------	------	1	0
C18-C19	10.720	30.00000	352871.500000	11762.383333	0.00	3	------	------	1	0
C20-C23	12.018	30.00000	657391.500000	21913.050000	0.00	3	------	------	1	0
C24-C27	13.533	30.00000	656313.500000	21877.116667	0.00	3	------	------	1	0
C28-C31	14.819	30.00000	661454.000000	22048.466667	0.00	3	------	------	1	0
C32-C35	15.898	30.00000	663450.000000	22115.000000	0.00	3	------	------	1	0
C36-C39	16.989	30.00000	656936.000000	21897.866667	0.00	3	------	------	1	0
C40+	19.290	30.00000	320957.500000	10698.583333	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	9991.863667	----------	----------	--------	9
C10-C11	0.000000	10551.414346	----------	----------	--------	9
C12-C13	0.000000	10731.104958	----------	----------	--------	9
C14-C15	0.000000	12075.197309	----------	----------	--------	9
C16-C17	0.000000	10794.171772	----------	----------	--------	9
C18-C19	0.000000	12009.318282	----------	----------	--------	9
C20-C23	0.000000	21712.755605	----------	----------	--------	9
C24-C27	0.000000	20988.613228	----------	----------	--------	9
C28-C31	0.000000	25839.788143	----------	----------	--------	9
C32-C35	0.000000	17155.705089	----------	----------	--------	9
C36-C39	0.000000	21418.188935	----------	----------	--------	9
C40+	0.000000	10324.481667	----------	----------	--------	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 167 RT MARKER
Sample Number: 30 PPM
Operator :

Time : 10/4/00 09:58 AM
Study : ICAL10/03/00

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

Channel : A A/D mV Range : 1000

Interface Serial # : 2136574898 Data Acquisition Time: 10/3/00 10:06 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_01\003_021.RAW
Result File : C:\TC4\DATA_01\003_021.RST
Inst Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\003_021.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\003.SEQ

Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

Noise Threshold: 50
Multiplier : 1.0000

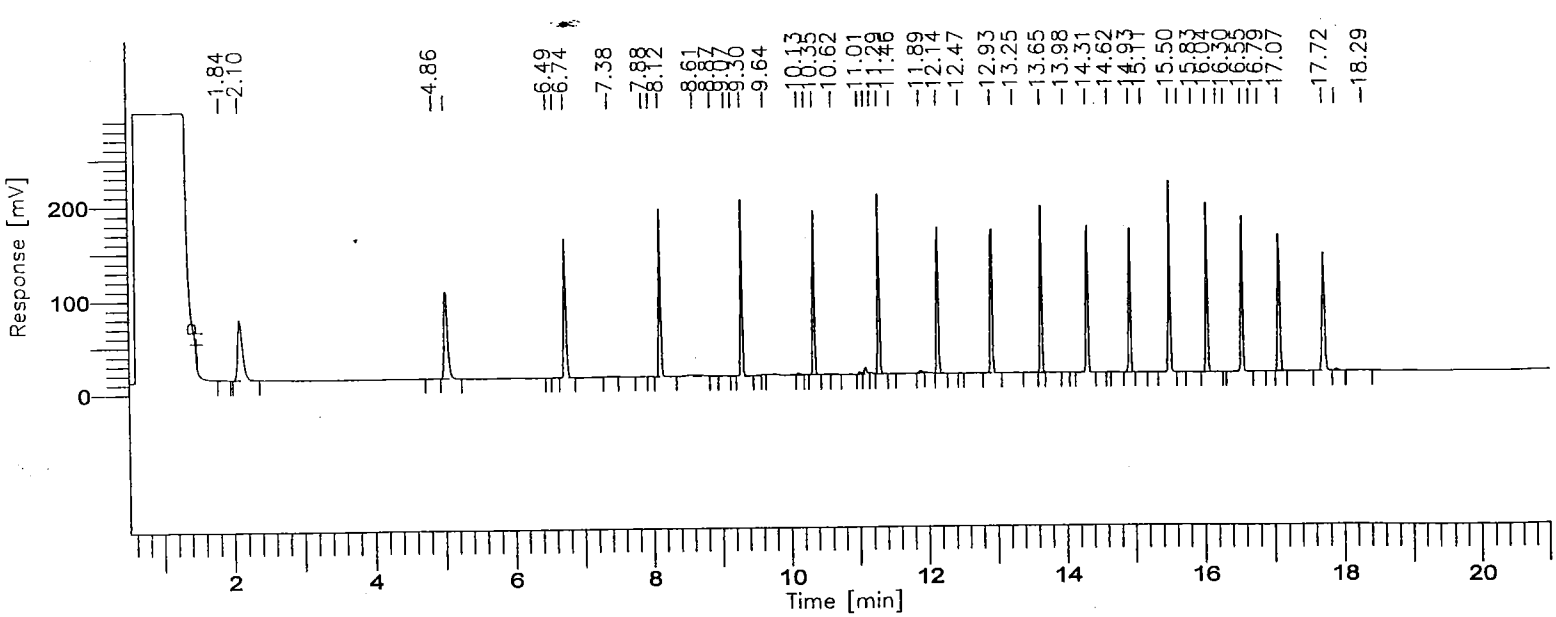
Area Threshold : 200
Divisor : 1.0000

Bunch Factor: 1
Addend : 0.0000

User1 : TPHDA
User2 :
User3 :
User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 50



001070

BOE-C6-0149488

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	314824	31.508	------	10.0	
5.77	C10-C11	331740	31.440	------	10.0	
7.31	C12-C13	333535	31.081	------	10.0	
8.59	C14-C15	355440	29.436	------	10.0	
9.69	C16-C17	330558	30.624	------	10.0	
10.72	C18-C19	352872	29.383	------	10.0	
12.02	C20-C23	657392	30.277	------	10.0	
13.53	C24-C27	656314	31.270	------	10.0	
14.82	C28-C31	661454	25.598	------	10.0	
15.90	C32-C35	663450	38.672	------	10.0	
16.99	C36-C39	656936	30.672	------	10.0	
19.29	C40+	320958	31.087	------	10.0	
		5635472	371.048			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
2.10		313084	0.313	------	10.0	
4.86		1739	0.002	------	10.0	
		314824	0.315			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.02		329192	0.329	------	10.0	
6.49		482	0.000	------	10.0	
6.59		2066	0.002	------	10.0	
		331740	0.332			

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
.74		325176	0.325	------	10.0	
7.38		3985	0.004	------	10.0	
7.88		1679	0.002	------	10.0	
7.98		2695	0.003	------	10.0	
		333535	0.334			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.12		324219	0.324	------	10.0	
8.61		25299	0.025	------	10.0	
8.87		2631	0.003	------	10.0	
9.07		3291	0.003	------	10.0	
		355440	0.355			

oup Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.17		2279	0.002	------	10.0	
9.30		321720	0.322	------	10.0	
9.64		764	0.001	------	10.0	
10.12		4887	0.005	------	10.0	
10.23		908	0.001	------	10.0	
		330558	0.331			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.35		320989	0.321	------	10.0	
10.62		2448	0.002	------	10.0	
11.01		6906	0.007	------	10.0	
.09		18434	0.018	------	10.0	
11.18		4094	0.004	------	10.0	
		352872	0.353			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.29		325676	0.326	------	10.0	
11.46		794	0.001	------	10.0	
11.89		7650	0.008	------	10.0	
12.14		322896	0.323	------	10.0	
12.47		376	0.000	------	10.0	
		657392	0.657			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.93		324592	0.325	------	10.0	
13.25		2602	0.003	------	10.0	
13.65		328711	0.329	------	10.0	
13.98		408	0.000	------	10.0	
		656314	0.656			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.31		331806	0.332	------	10.0	
14.62		489	0.000	------	10.0	
14.93		327474	0.327	------	10.0	
15.11		1685	0.002	------	10.0	
		661454	0.661			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.50		331770	0.332	------	10.0	
[illegible].63		1261	0.001	------	10.0	
15.83		3038	0.003	------	10.0	
16.04		323007	0.323	------	10.0	
16.19		4087	0.004	------	10.0	
16.30		288	0.000	------	10.0	

	663450	0.663

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.55		326978	0.327	------	10.0	
16.66		3004	0.003	------	10.0	
16.79		3928	0.004	------	10.0	
17.07		323026	0.323	------	10.0	
		656936	0.657			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.72		312418	0.312	------	10.0	
17.89		5701	0.006	------	10.0	
18.29		2838	0.003	------	10.0	
		320958	0.321			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\003_021.TX0

Software Version: 4.1<2F12>
Date: 10/4/00 09:58 AM
Sample Name : #TEPH00-168 RT MARKER
Data File : C:\TC4\DATA_01\003_022.RAW Date: 10/3/00 10:36 PM
Sequence File: C:\TC4\DATA_01\003.SEQ Cycle: 22 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	3.446	40.00000	420877.000000	10521.925000	0.00	4	------	------	1	0
C10-C11	5.771	40.00000	443619.700000	11090.492500	0.00	4	------	------	1	0
C12-C13	7.314	40.00000	448041.994444	11201.049861	0.00	4	------	------	1	0
C14-C15	8.586	40.00000	462324.601010	11558.115025	0.00	4	------	------	1	0
C16-C17	9.691	40.00000	459089.704545	11477.242614	0.00	4	------	------	1	0
C18-C19	10.720	40.00000	461316.000000	11532.900000	0.00	4	------	------	1	0
C20-C23	12.018	40.00000	887047.500000	22176.187500	0.00	4	------	------	1	0
C24-C27	13.534	40.00000	889214.500000	22230.362500	0.00	4	------	------	1	0
C28-C31	14.819	40.00000	894571.000000	22364.275000	0.00	4	------	------	1	0
C32-C35	15.898	40.00000	891252.500000	22281.312500	0.00	4	------	------	1	0
C36-C39	16.989	40.00000	879493.000000	21987.325000	0.00	4	------	------	1	0
C40+	19.290	40.00000	428857.000000	10721.425000	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	9991.863667	----------	----------	--------	9
C10-C11	0.000000	10551.414346	----------	----------	--------	9
C12-C13	0.000000	10731.104958	----------	----------	--------	9
C14-C15	0.000000	12059.643407	----------	----------	--------	9
C16-C17	0.000000	10809.725674	----------	----------	--------	9
C18-C19	0.000000	12009.318282	----------	----------	--------	9
C20-C23	0.000000	21712.755605	----------	----------	--------	9
C24-C27	0.000000	20988.735728	----------	----------	--------	9
C28-C31	0.000000	23599.853857	----------	----------	--------	9
C32-C35	0.000000	19395.639375	----------	----------	--------	9
C36-C39	0.000000	21418.188935	----------	----------	--------	9
C40+	0.000000	10324.481667	----------	----------	--------	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
Sample Number: 40 PPM
C rator :

Time : 10/4/00 09:58 AM
Study : ICAL10/03/00

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

Channel : A A/D mV Range : 1000

Interface Serial # : 2136574898 Data Acquisition Time: 10/3/00 10:36 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_01\O03_022.RAW
Result File : C:\TC4\DATA_01\O03_022.RST
Inst Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\O03_022.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\O03.SEQ

Sample Volume : 1.0000 uL
Sample Amount : 1.0000

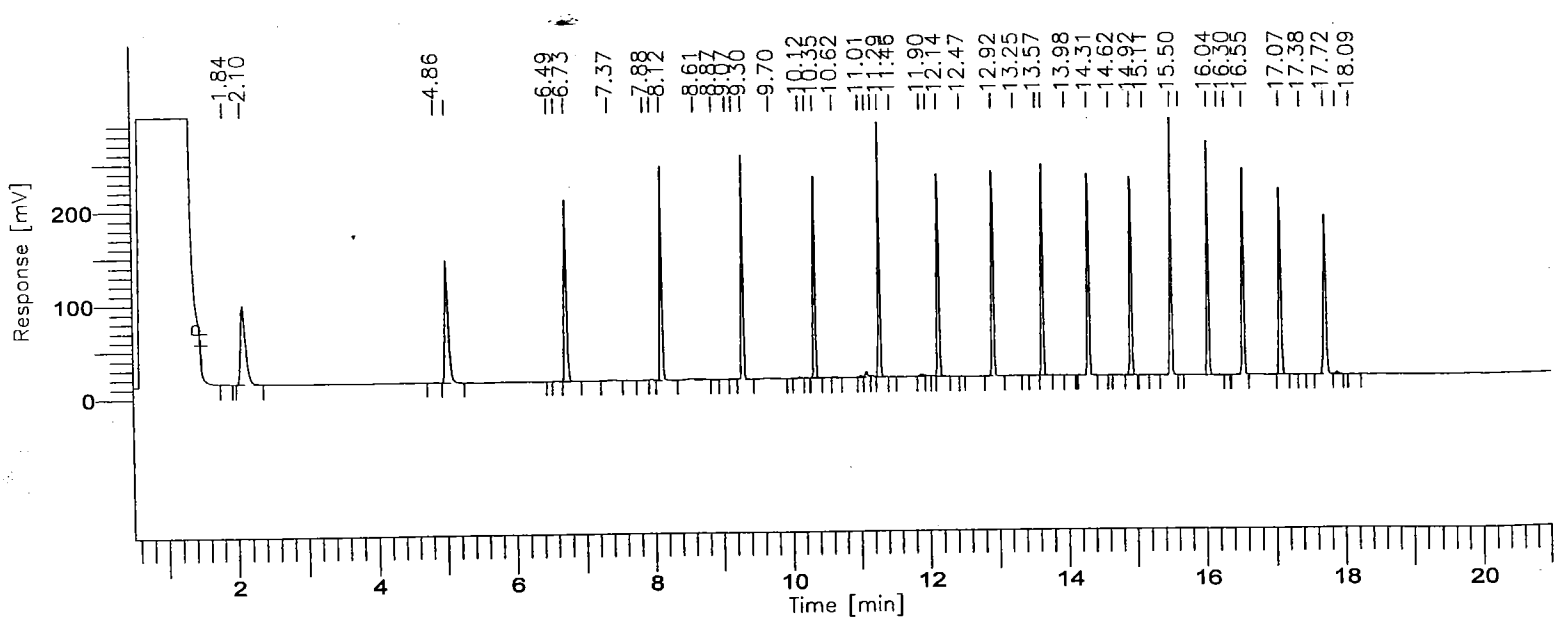
Area Reject : 0.000000
Dilution Factor : 1.00

Noise Threshold: 50
' tiplier : 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: 50



001077

BOE-C6-0149495

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	420877	42.122	------	10.0	
5.77	C10-C11	443620	42.044	------	10.0	
7.31	C12-C13	448042	41.752	------	10.0	
8.59	C14-C15	462325	38.337	------	10.0	
9.69	C16-C17	459090	42.470	------	10.0	
10.72	C18-C19	461316	38.413	------	10.0	
12.02	C20-C23	887048	40.854	------	10.0	
13.53	C24-C27	889214	42.366	------	10.0	
14.82	C28-C31	894571	37.906	------	10.0	
15.90	C32-C35	891252	45.951	------	10.0	
16.99	C36-C39	879493	41.063	------	10.0	
19.29	C40+	428857	41.538	------	10.0	
		7565704	494.815			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
2.10		418860	0.419	------	10.0	
4.86		2017	0.002	------	10.0	
		420877	0.421			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.02		440068	0.440	------	10.0	
6.49		707	0.001	------	10.0	
6.58		2844	0.003	------	10.0	
		443620	0.444			

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
.73		437357	0.437	------	10.0	
7.36		5762	0.006	------	10.0	
7.88		1587	0.002	------	10.0	
7.98		3337	0.003	------	10.0	
		448042	0.448			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.12		437078	0.437	------	10.0	
8.61		21126	0.021	------	10.0	
8.87		1874	0.002	------	10.0	
9.07		2247	0.002	------	10.0	
		462325	0.462			

oup Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.17		3111	0.003	------	10.0	
9.30		435391	0.435	------	10.0	
9.70		15080	0.015	------	10.0	
10.12		4100	0.004	------	10.0	
10.23		1407	0.001	------	10.0	
		459090	0.459			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.34		435502	0.436	------	10.0	
10.62		2113	0.002	------	10.0	
11.01		5452	0.005	------	10.0	
.09		14885	0.015	------	10.0	
11.18		3364	0.003	------	10.0	
		461316	0.461			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.28		438426	0.438	------	10.0	
11.46		468	0.000	------	10.0	
11.89		8168	0.008	------	10.0	
11.98		1970	0.002	------	10.0	
12.14		437617	0.438	------	10.0	
12.47		398	0.000	------	10.0	
		887048	0.887			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.92		439448	0.439	------	10.0	
13.25		1986	0.002	------	10.0	
13.57		566	0.001	------	10.0	
13.64		446632	0.447	------	10.0	
[illegible]98		583	0.001	------	10.0	
		889214	0.889			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.31		448145	0.448	------	10.0	
14.62		795	0.001	------	10.0	
14.92		444362	0.444	------	10.0	
15.11		1268	0.001	------	10.0	
		894571	0.895			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.50		447987	0.448	------	10.0	
15.63		974	0.001	------	10.0	
16.04		438327	0.438	------	10.0	
16.19		3504	0.004	------	10.0	
16.30		460	0.000	------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
		891252	0.891			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.54		439556	0.440	------	10.0	
17.07		439353	0.439	------	10.0	
17.38		584	0.001	------	10.0	
		879493	0.879			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
72		421515	0.422	------	10.0	
17.89		6803	0.007	------	10.0	
18.09		538	0.001	------	10.0	
		428857	0.429			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\003_022.TX0

Software Version: 4.1<2F12>
Date: 10/4/00 09:58 AM
Sample Name : #TEPH00-169 RT MARKER
Data File : C:\TC4\DATA_01\003_023.RAW Date: 10/3/00 11:06 PM
Sequence File: C:\TC4\DATA_01\003.SEQ Cycle: 23 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	3.446	50.00000	499248.000000	9984.960000	0.00	5	------	------	1	0
C10-C11	5.771	50.00000	528720.500000	10574.410000	0.00	5	------	------	1	0
C12-C13	7.314	50.00000	531098.957143	10621.979143	0.00	5	------	------	1	0
C14-C15	8.586	50.00000	542272.356290	10845.447126	0.00	5	------	------	1	0
C16-C17	9.691	50.00000	539937.282721	10798.745654	0.00	5	------	------	1	0
C18-C19	10.720	50.00000	543630.903846	10872.618077	0.00	5	------	------	1	0
C20-C23	12.018	50.00000	1052064.000000	21041.280000	0.00	5	------	------	1	0
C24-C27	13.534	50.00000	1058488.000000	21169.760000	0.00	5	------	------	1	0
C28-C31	14.819	50.00000	1064732.000000	21294.640000	0.00	5	------	------	1	0
C32-C35	15.898	50.00000	1061257.500000	21225.150000	0.00	5	------	------	1	0
C36-C39	16.989	50.00000	1051892.500000	21037.850000	0.00	5	------	------	1	0
C40+	19.290	50.00000	513060.000000	10261.200000	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	9991.863667	----------	----------	--------	9
C10-C11	0.000000	10551.414346	----------	----------	--------	9
C12-C13	0.000000	10731.104958	----------	----------	--------	9
C14-C15	0.000000	12045.867437	----------	----------	--------	9
C16-C17	0.000000	10823.501644	----------	----------	--------	9
C18-C19	0.000000	12009.318282	----------	----------	--------	9
C20-C23	0.000000	21712.755605	----------	----------	--------	9
C24-C27	0.000000	20989.435728	----------	----------	--------	9
C28-C31	0.000000	21467.966333	----------	----------	--------	9
C32-C35	0.000000	21527.526898	----------	----------	--------	9
C36-C39	0.000000	21418.188935	----------	----------	--------	9
C40+	0.000000	10324.481667	----------	----------	--------	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
Sample Number: 50 PPM
C :ator :

Time : 10/4/00 09:58 AM
Study : ICAL10/03/00

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

Channel : A A/D mV Range : 1000

Interface Serial # : 2136574898 Data Acquisition Time: 10/3/00 11:06 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_01\O03_023.RAW
Result File : C:\TC4\DATA_01\O03_023.RST
Inst Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\O03_023.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\O03.SEQ

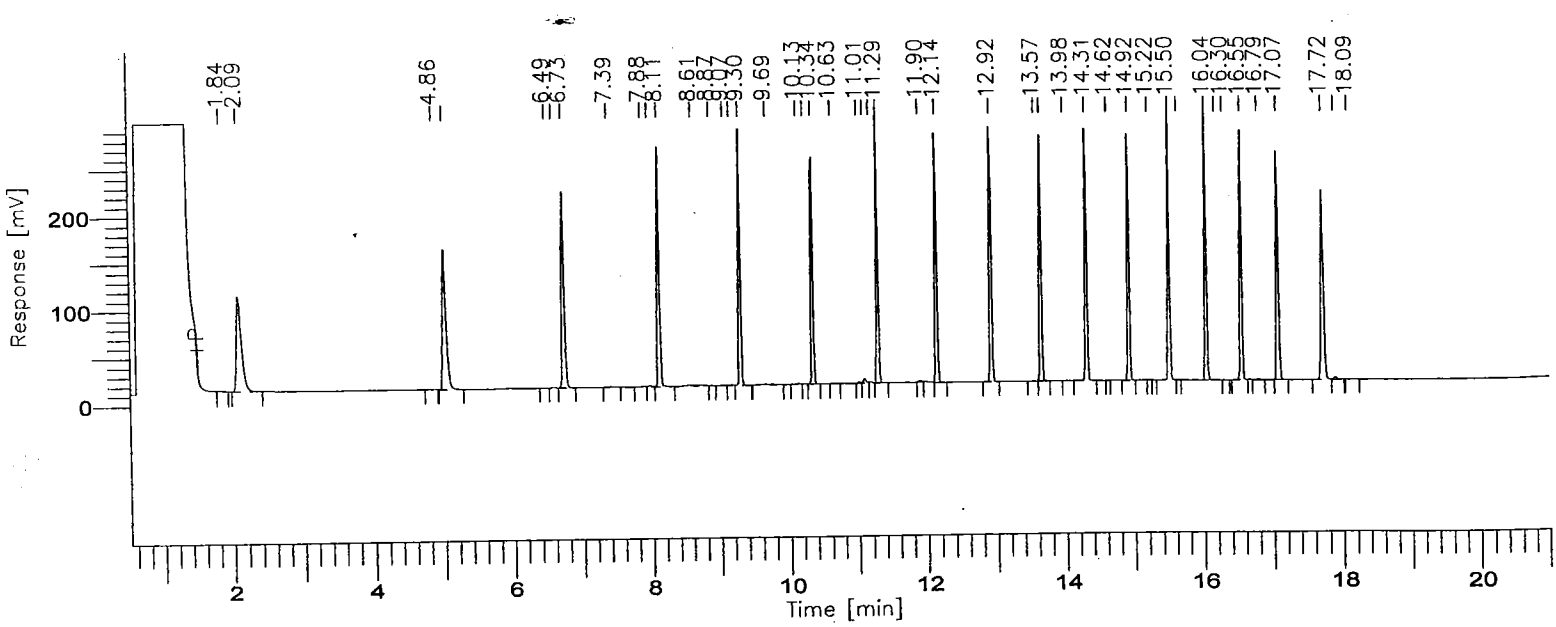
Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

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

Instrument Conditions:

Total number of peaks detected: 46



001084

BOE-C6-0149502

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	499248	49.965	------	10.0	
5.77	C10-C11	528720	50.109	------	10.0	
7.31	C12-C13	531099	49.492	------	10.0	
8.59	C14-C15	542272	45.017	------	10.0	
9.69	C16-C17	539937	49.886	------	10.0	
10.72	C18-C19	543631	45.267	------	10.0	
12.02	C20-C23	1052064	48.454	------	10.0	
13.53	C24-C27	1058488	50.430	------	10.0	
14.82	C28-C31	1064732	49.596	------	10.0	
15.90	C32-C35	1061258	49.298	------	10.0	
16.99	C36-C39	1051892	49.112	------	10.0	
19.29	C40+	513060	49.694	------	10.0	
		8986402	586.319			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
2.09		496715	0.497	------	10.0	
4.86		2533	0.003	------	10.0	
		499248	0.499			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.01		524854	0.525	------	10.0	
6.49		729	0.001	------	10.0	
6.58		3137	0.003	------	10.0	
		528720	0.529			

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
6.73		520601	0.521	------	10.0	
7.39		4534	0.005	------	10.0	
7.88		1982	0.002	------	10.0	
7.98		3982	0.004	------	10.0	
		531099	0.531			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.11		519686	0.520	------	10.0	
8.61		18294	0.018	------	10.0	
8.87		1686	0.002	------	10.0	
9.07		2607	0.003	------	10.0	
		542272	0.542			

up Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.17		3444	0.003	------	10.0	
9.30		518036	0.518	------	10.0	
9.69		13324	0.013	------	10.0	
10.13		3479	0.003	------	10.0	
10.23		1654	0.002	------	10.0	
		539937	0.540			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.34		519209	0.519	------	10.0	
10.62		1826	0.002	------	10.0	
11.01		4763	0.005	------	10.0	
.09		13471	0.013	------	10.0	
11.18		4362	0.004	------	10.0	
		543631	0.544			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.28		523896	0.524	------	10.0	
11.90		5156	0.005	------	10.0	
12.14		523012	0.523	------	10.0	
		1052064	1.052			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.92		524343	0.524	------	10.0	
13.57		526	0.001	------	10.0	
13.64		533030	0.533	------	10.0	
13.98		589	0.001	------	10.0	
		1058488	1.058			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.31		533853	0.534	------	10.0	
14.62		815	0.001	------	10.0	
14.92		529515	0.530	------	10.0	
15.22		549	0.001	------	10.0	
		1064732	1.065			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.50		532972	0.533	------	10.0	
15.63		1162	0.001	------	10.0	
16.04		522881	0.523	------	10.0	
.18		3624	0.004	------	10.0	
16.29		619	0.001	------	10.0	
		1061258	1.061			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.55		524789	0.525	------	10.0	
16.79		1898	0.002	------	10.0	
17.07		525206	0.525	------	10.0	
		1051892	1.052			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.71		504088	0.504	------	10.0	
17.89		8232	0.008	------	10.0	
18.09		740	0.001	------	10.0	
		513060	0.513			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\003_023.TX0

10-4-00

ICAL 10-3-00

FILES 19-24

C8 1.957 - 4.935

C10 4.936 - 6.607

C12 6.608 - 8.021

C14 8.022 - 9.151

C16 9.152 - 10.231

C18 10.232 - 11.208

C20 11.209 - 12.826

C24 12.827 - 14.240

C28 14.241 - 15.397

C32 15.398 - 16.398

C36 16.395 - 17.580

C40 17.581 - 31.0

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

Time : 10/4/00 10:12 AM
Study : ICAL10/03/00

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

Channel : A A/D mV Range : 1000

Interface Serial # : 2136574898 Data Acquisition Time: 10/3/00 08:36 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_01\003_018A.RAW
Result File : C:\TC4\DATA_01\003_018A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\003_018A.
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\003.SEQ

Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

Noise Threshold: 50
Multiplier : 1.0000

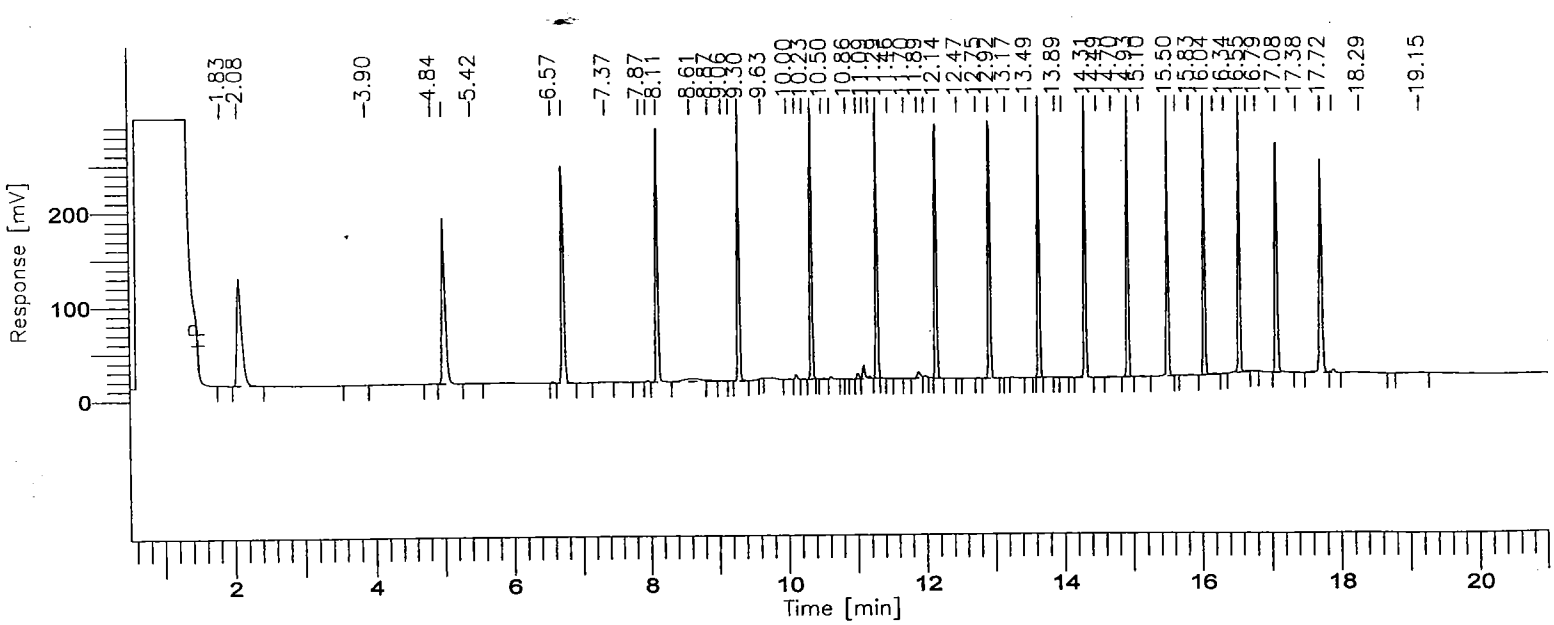
Area Threshold : 200
Divisor : 1.0000

Bunch Factor: 1
Addend : 0.0000

User1 : TPHDA
User2 :
User3 :
User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 62



001090

BOE-C6-0149508

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	559484	55.994	------	10.0	
5.77	C10-C11	590150	55.931	------	10.0	
7.31	C12-C13	587180	54.718	------	10.0	
8.59	C14-C15	642226	53.315	------	10.0	
9.69	C16-C17	592742	54.764	------	10.0	
10.72	C18-C19	639711	53.268	------	10.0	
12.02	C20-C23	1187222	54.679	------	10.0	
13.53	C24-C27	1175387	55.999	------	10.0	
14.82	C28-C31	1199112	55.856	------	10.0	
15.90	C32-C35	1206984	56.067	------	10.0	
16.99	C36-C39	1203641	56.197	------	10.0	
19.29	C40+	612808	59.355	------	10.0	
		10196647	666.142			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
2.08		555150	0.555	------	10.0	
3.90		1043	0.001	------	10.0	
4.84		3291	0.003	------	10.0	
		559484	0.559			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.00		584142	0.584	------	10.0	
5.42		3072	0.003	------	10.0	
[illegible].57		2937	0.003	------	10.0	
		590150	0.590			

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
6.72		579151	0.579	------	10.0	
7.37		3190	0.003	------	10.0	
7.87		1640	0.002	------	10.0	
7.97		3200	0.003	------	10.0	
		587180	0.587			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.11		576075	0.576	------	10.0	
8.61		54435	0.054	------	10.0	
8.87		7224	0.007	------	10.0	
9.06		4491	0.004	------	10.0	
		642226	0.642			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.17		2111	0.002	------	10.0	
9.30		572313	0.572	------	10.0	
9.63		1998	0.002	------	10.0	
10.00		2315	0.002	------	10.0	
10.12		12192	0.012	------	10.0	
10.23		1814	0.002	------	10.0	
		592742	0.593			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.34		572752	0.573	------	10.0	
10.50		2561	0.003	------	10.0	
[illegible].62		6077	0.006	------	10.0	
10.85		327	0.000	------	10.0	
11.01		15811	0.016	------	10.0	
11.09		35479	0.035	------	10.0	
11.18		6704	0.007	------	10.0	

	639711	0.640

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.29		576589	0.577	------	10.0	
11.46		1072	0.001	------	10.0	
11.70		696	0.001	------	10.0	
11.89		23274	0.023	------	10.0	
11.99		6059	0.006	------	10.0	
12.14		577792	0.578	------	10.0	
12.47		1176	0.001	------	10.0	
12.75		563	0.001	------	10.0	
		1187222	1.187			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.92		581966	0.582	------	10.0	
13.17		1513	0.002	------	10.0	
13.48		1074	0.001	------	10.0	
13.65		588904	0.589	------	10.0	
13.89		610	0.001	------	10.0	
13.98		1320	0.001	------	10.0	
		1175387	1.175			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.31		594663	0.595	------	10.0	
14.49		1681	0.002	------	10.0	
14.70		6684	0.007	------	10.0	
14.93		589964	0.590	------	10.0	
15.10		6121	0.006	------	10.0	
		1199112	1.199			

Group Report For : C32-C35

Time	Component	Area	Final Results	% SURR	REP. LIMIT	FN

[min]	Name	[µV·s]	(ppm)	REC	mg/kg
50		600034	0.600	------	10.0
15.63		1718	0.002	------	10.0
15.83		8954	0.009	------	10.0
16.04		586586	0.587	------	10.0
16.18		7555	0.008	------	10.0
16.34		2137	0.002	------	10.0
		1206984	1.207		

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.55		597016	0.597	------	10.0	
16.66		6024	0.006	------	10.0	
16.79		3944	0.004	------	10.0	
17.08		595688	0.596	------	10.0	
17.38		970	0.001	------	10.0	
		1203641	1.204			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.72		576178	0.576	------	10.0	
17.89		10580	0.011	------	10.0	
18.29		18714	0.019	------	10.0	
19.15		7336	0.007	------	10.0	
		612808	0.613			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O03_018A.TXO

Turbochrom Sequence File : C:\TC4\DATA_01\003.SEQ
Created by : doug on : 10/3/00 07:49 AM
Edited by : EC on : 10/4/00 10:12 AM
D ·ription :

Number of Times Edited : 15

Sequence File Header Information:

Number of Rows : 84
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 9/21/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
2	Sample	DAILY RT MAKER	C8-C40	ICAL 9/21/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
3	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
4	Std Check	#TEPH00-167 RT	30 PPM	ICAL9/21/0	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
5	Sample	285-09		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
6	Sample	285-12		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
7	Sample	285-17 2x		ICAL8/28/0	1.000	1.000	1.000	2.000	5.000	20.000	0.000	100.000
8	Sample	285-29		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
9	Sample	285-30		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
10	Sample	285-31		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
11	Sample	285-32		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
12	Sample	285-33		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
13	Sample	MECL2		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
14	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
15	Std Check	#TEPH00-167 RT	30 PPM	ICAL9/21/0	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
	Sample	MECL2	MECL2	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
	Sample	MECL2	MECL2	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
18	Sample	DAILY RT MARKER	C8-C40	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
19	Cal:Replace	#TEPH00-165 RT	10 PPM	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
20	Cal:Replace	#TEPH00-166 RT	20 PPM	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
21	Cal:Replace	#TEPH00 167 RT	30 PPM	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
22	Cal:Replace	#TEPH00-168 RT	40 PPM	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
23	Cal:Replace	#TEPH00-169 RT	50 PPM	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
24	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
25	Sample	285-08		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
26	Sample	285-09		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
27	Sample	285-11		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
28	Sample	285-12		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
29	Sample	285-13		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
30	Sample	285-14		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
31	Sample	285-17 2x		ICAL8/28/0	1.000	1.000	1.000	2.000	5.000	20.000	0.000	100.000
32	Sample	285-16		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
33	Sample	285-19		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
34	Sample	285-20		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
35	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
36	Std Check	#TEPH00-167 RT	30 PPM	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
37	Sample	285-21		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
38	Sample	285-22		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
39	Sample	285-24		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
40	Sample	285-25		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
41	Sample	MECL2	MECL2	ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
42	Sample	285-MB		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
43	Sample	285-LCS		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
44	Sample	285-27		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
45	Sample	285-27 MS		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
46	Sample	285-27 MSD		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
47	Sample	285-28		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
48	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
49	Std Check	#TEPH00-167 RT	30 PPM	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
50	Sample	285-29		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
	Sample	285-30		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
	Sample	285-31		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
53	Sample	285-32		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
54	Sample	285-33		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
55	Sample	285-34		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
56	Sample	285-35		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
57	Sample	285-36		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
58	Sample	285-37		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
59	Sample	285-38		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
60	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000

61	Std Check	#TEPH00-167 RT	30 PPM	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
62	Sample	285-42		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
63	Sample	285-43		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
64	Sample	285-44		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
65	Sample	285-45		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
66	Sample	285-47		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
[illegible]	Sample	285-48		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
[illegible]	Sample	285-49		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
[illegible]	Sample	285-50 5x		ICAL8/28/0	1.000	1.000	1.000	5.000	5.000	20.000	0.000	100.000
70	Std Check	MECL2	MECL2	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
71	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
72	Std Check	#TEPH00-167 RT	30 PPM	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
73	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
74	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
75	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
76	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
77	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
78	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
79	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
80	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
81	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
82	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
83	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
84	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000

Supporting Raw Data

Metals

Lot # E0J030150

STL Los Angeles
Précis
CVAA Data Summary Cover Sheet

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

Analyst: JGA
Analytical Date: 10/6/00
Data File: HG010006B
Corr. Coeff.: 0.9999

Analysis by SOP: 7470 - 245.1 - CORP-MT-0005SA Rev 1.1 ___
7471 - 245.5 - CORP-MT-0007SA Rev 1.1 ✓

Batch	Lot/~~Project~~	Data Upload	Review/Release	Pkg.
0277500	EOJ030150	JG 10/10/00		L3
0278323	EOJ030150			L3
	EOJ030233			L3
	EOJ030262			L3
	EOJ040125			L3
0278325	LOH280191			L3
	EOJ040125			L3
	EOJ040183			L3

Calibration Stds:
Preparation: Date 10/5/00 Time 1000
Calibration Stock Standard Concentration 10000 mg/L Lot# Hg-060800 Exp. Date 05/02
Intermediate Standard – 10000ug/L – requires 1000X dilution of Stock Std.
Cal Working Standard - 100ug/L - requires 100X dilution of Intermediate Std.
Std.1 - 0.2 ug/L 500X dilution of Cal Working Standard (0.2mL to 100mL)
Std.2 - 0.5 ug/L 200X dilution of Cal Working Standard (0.5mL to 100mL)
Std.3 - 1.0 ug/L 100X dilution of Cal Working Standard (1.0mL to 100mL)
Std.4 - 5.0 ug/L 20X dilution of Cal Working Standard (5.0mL to 100mL)
Std.5 - 10 ug/L 10X dilution of Cal Working Standard (10.0mL to 100mL)
Calibration Check Stds:
CRA - 0.2 ug/L - 500X dilution of Cal Working Standard (0.2mL to 100mL)
ICV Stock Standard Concentration 1000 mg/mL Lot# Hg-061300 Exp. Date 07/2001
ICV Working Standard - 500 ug/L - two dilutions of ICV Stock -first 100X then a 20X
ICV - 2.5 ug/L - 200X dilution of ICV Working Standard (0.5mL to 100mL)
CCV - 5.0 ug/L - 20X dilution of Cal Working Standard (5.0mL to 100mL)

Notes/Comments:

N:\metals\forms\dscs.doc
06/22/00

FURNACE DATA SHEET

File: HG01006B Element: HG__ Instrument: LEEMAN_____

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

1 of 3

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

0.9999 10/10/00 Jr

Concentration Units: Ug/L

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

Analyst: jga_____ QC Reviewer: _____

FURNACE DATA SHEET

2 of 3

File: HG01006B Element: HG__ Instrument: LEEMAN_____

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

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

0.9999 10/10/00 JP

Concentration Units: Ug/L

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

Analyst: jga_____ QC Reviewer: _____

FURNACE DATA SHEET

3 of 3

File: HG01006B Element: HG__ Instrument: LEEMAN_____

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

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

0.9999 10/10/00 jga

Concentration Units: ug/L

#	SAMPLE ID	Time	Dil Factor	Sample (Absorb)	Sample (Conc)	%R/R	Flag		
81	DJJ8E	17:04	1.00		-0.0390			ND	
82	DLH4A	17:06	1.00		0.1550			ND	
83	DLH4AS	17:08	1.00		1.1400	114		0.190	
84	DLH4AD	17:10	1.00		1.3400	134		0.223	
85	DLH4D	17:12	1.00		0.2820			0.047	
86	CCV7	17:14	1.00		4.9400	99			
87	CCB7	17:16	1.00		-0.0280			ND	
88	DLH4F	17:18	1.00		0.0680			ND	
89	DLH4J	17:20	1.00		0.2530			0.042	
90	DLH5H	17:21	1.00		0.1910			ND	
91	DLH5M	17:23	1.00		0.2970			0.050	
92	DLHHQ	17:25	1.00		0.2140			0.036	
93	DLHK5	17:27	1.00		0.1330			ND	
94	CCV8	17:29	1.00		5.0300	101			
95	CCB8	17:31	1.00		-0.0460			ND	
96									
7									
98									
99									
100									

Analyst: jga_____ QC Reviewer: _____

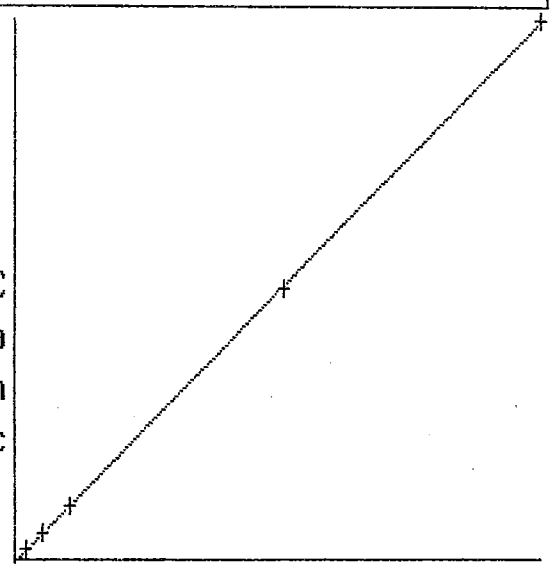
Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Standard: 1 Rep: 1				Seq: 0	14:32:45 06 Oct 2000 HG			
Hg	.000	ppb	-1500					
*** Standard: 2 Rep: 1				Seq: 1	14:35:06 06 Oct 2000 HG			
Hg	.200	ppb	12663					
*** Standard: 3 Rep: 1				Seq: 2	14:36:56 06 Oct 2000 HG			
Hg	.500	ppb	28819					
*** Standard: 4 Rep: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

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

CALIBRATION: Line proto: HG-A

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

A .0000000 r .999905
B 1.83144e-5 C -3.23312e-2



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

New cal coefficients stored

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

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

BOE-C6-0149523

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

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

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: DLG0N					Seq: 54	16:15:19 06 Oct 2000 HG		
Hg	.179	ppb	.000	.179				
*** Sample ID: DLH33					Seq: 55	16:17:08 06 Oct 2000 HG		
Hg	.204	ppb	.000	.204				
*** Sample ID: DLH39					Seq: 56	16:18:55 06 Oct 2000 HG		
Hg	.049	ppb	.000	.049				
*** Sample ID: DLH3D					Seq: 57	16:20:53 06 Oct 2000 HG		
Hg	.313	ppb	.000	.313				
*** Sample ID: DLH3E					Seq: 58	16:22:41 06 Oct 2000 HG		
Hg	.041	ppb	.000	.041				
*** Sample ID: DLH3J					Seq: 59	16:24:29 06 Oct 2000 HG		
Hg	.098	ppb	.000	.098				
*** Sample ID: DLH3L					Seq: 60	16:26:41 06 Oct 2000 HG		
Hg	.059	ppb	.000	.059				
*** Sample ID: DLH3T					Seq: 61	16:28:32 06 Oct 2000 HG		
Hg	.243	ppb	.000	.243				
*** Sample ID: CCV5					Seq: 62	16:30:20 06 Oct 2000 HG		
Hg	5.12	ppb	.000	5.12				
*** Sample ID: CCB5					Seq: 63	16:32:09 06 Oct 2000 HG		
Hg	-.044	ppb	.000	-.044				
*** Sample ID: DLH47					Seq: 64	16:33:58 06 Oct 2000 HG		
Hg	.059	ppb	.000	.059				
*** Sample ID: DLH48					Seq: 65	16:35:52 06 Oct 2000 HG		
Hg	.112	ppb	.000	.112				

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

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: DJJ8C					Seq: 78	17:00:33 06 Oct 2000 HG		
Hg	.217	ppb	.000	.217				
*** Sample ID: ~~DJJ8C~~ DLJ83 10/10/00					Seq: 79	17:02:24 06 Oct 2000 HG		
Hg	.040	ppb	.000	.040				
*** Sample ID: DJJ8E					Seq: 80	17:04:20 06 Oct 2000 HG		
Hg	-.039	ppb	.000	-.039				
*** Sample ID: DLH4A					Seq: 81	17:06:31 06 Oct 2000 HG		
Hg	.155	ppb	.000	.155				
*** Sample ID: DLH4AS					Seq: 82	17:08:25 06 Oct 2000 HG		
Hg	1.14	ppb	.000	1.14				
*** Sample ID: DLH4AD					Seq: 83	17:10:17 06 Oct 2000 HG		
Hg	1.34	ppb	.000	1.34				
*** Sample ID: DLH4D					Seq: 84	17:12:09 06 Oct 2000 HG		
Hg	.282	ppb	.000	.282				
*** Sample ID: CCV7					Seq: 85	17:14:02 06 Oct 2000 HG		
Hg	4.94	ppb	.000	4.94				
*** Sample ID: CCB7					Seq: 86	17:16:05 06 Oct 2000 HG		
Hg	-.028	ppb	.000	-.028				
*** Sample ID: DLH4F					Seq: 87	17:18:09 06 Oct 2000 HG		
Hg	.068	ppb	.000	.068				
*** Sample ID: DLH4J					Seq: 88	17:20:02 06 Oct 2000 HG		
Hg	.253	ppb	.000	.253				
*** Sample ID: DLH5H					Seq: 89	17:21:55 06 Oct 2000 HG		
Hg	.191	ppb	.000	.191				

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

RQC057

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

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

BATCH NUMBER: **0277500**

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

INITIALS: Jm/EI 10/3/00

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

RQC057

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

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

BATCH NUMBER: **0277500**

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

INITIALS: MCEI

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

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

COMMENTS: F.V. = 100 ML

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

SPIKING WITNESSED BY _____

STL LOS ANGELES

Précis

Metals Preparation

Batch: 0277500

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

Prepared By: [signature]

Reviewed By: [signature]

Date/Time Initiated: 10/05/00 1000

Date/Time Completed: 1 1030

Water Bath # 6 Temp* 95 °C Thermometer # M-H-01

*Thermometer correction applied. (CF + 2.0°C)

Spike Standards for LCS, MS/MSD and ICV samples (*Volume of Working standard).

	*Volume	Lot #	Exp. Date
1. Hg Cal (MS)	1 mL	Hg-060800	05/2002
2. Hg Cal (LCS)	5 mL	Hg-060800	05/2002
3. Hg ICV	0.5 mL	Hg-061300	07/2001

Preparation

Reagents	Volume	Lot #
*HNO_3	1.25 mL	6623 T09A058
*HCl	3.75 mL	5587 N41A07
$KMnO_4$	15 mL	995929
$K_2S_2O_8$	8.0 mL	995705

* 3 HCl : 1HNO_3 as Aqua Regia

Analysis

Reagents	Volume	Lot#
NH_2OH-HCl+ NaCl	6.0 mL	995700+ 995717
$SnCl_2$ + HCl	Controlled by instrument	000152+ 419100

SOP No. CORP-IP-0007SA, Revision 1.1, Date: 7/10/96

Method 7471A/245.5

Sample size 0.6 g (well mixed)

Step 1. **Standards**-Add 5 mL of aqua regia and mix.
Samples-Add 5 mL of DI water and 5 mL of aqua regia and mix.
Step 2. Heat for 2 min. at 95 °C ±5 °C.
Step 3. Cool
Step 4. Add 50 mL of DI water and mix.
Step 3. Add 15 mL of $KMnO_4$ and mix.
Step 4. Add 8 mL of $K_2S_2O_8$ and mix
Step 5. Heat at 95 °C ±5 °C for 30 min.
Step 6. Cool
Step 7. Add 6 mL of NH_2OH-HCl and mix.
Step 8. **Standards**-Add 50 mL of DI water and mix.
Samples- Add 55 mL of DI water and mix.

Standards to be prepared with each batch

To each standard add DI water for a total vol. of 10 mL

Standard	Concentration (mg/L)
Std. 0/ICB/CCB	0
Std. 1	0.0002
Std. 2	0.0005
Std. 3	0.001
Std. 4/CCV	0.005
Std. 5	0.010
ICV	0.0025

Redigestion required - Samples/Reason: _____

Requested By: _____ Date: _____ Completed By: _____ Date: _____

Digestate Chain-of-Custody:

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

N:\inorganics\metals\forms\Q_prep

08/19/00

RQC057

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

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

BATCH NUMBER: **0278323**

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

INITIALS: GI

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

RQC057

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

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

BATCH NUMBER: **0278323**

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

INITIALS: JL

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0J040125	DLH3E	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040125	DLH3J	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040125	DLH3L	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040125	DLH3T	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040125	DLH47	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040125	DLH48	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040000	DLHNQB	01	_____g	X 0.61 g	_____g	_____g
SOLID	DUE DATE:		0/00/00			
	DLHNQC		_____g	0.62 g	_____g	_____g

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

COMMENTS: F.V. = 100 ML

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

SPIKING WITNESSED BY _____

STL LOS ANGELES

Précis

Metals Preparation

Batch: 0278323

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

Prepared By: [signature]

Reviewed By: [signature]

Date/Time Initiated: 10/5/01 1030

Date/Time Completed: / / 1100

Water Bath # 5 Temp* 95 °C Thermometer # M-H-01

*Thermometer correction applied. (CF + 2.0°C)

Spike Standards for LCS, MS/MSD and ICV samples (*Volume of Working standard).

	*Volume	Lot #	Exp. Date
1. Hg Cal (MS)	1 mL	Hg-060800	05/2002
2. Hg Cal (LCS)	5 mL	Hg-060800	05/2002
3. Hg ICV	0.5 mL	Hg-061300	07/2001

Preparation Reagents	Volume	Lot #
*HNO_3	1.25 mL	6623 T09A058
*HCl	3.75 mL	5587 N41A07
$KMnO_4$	15 mL	995929
$K_2S_2O_8$	8.0 mL	995705

* 3 HCl : 1HNO_3 as Aqua Regia

Analysis Reagents	Volume	Lot#
NH_2OH-HCl+ NaCl	6.0 mL	995700+ 995717
$SnCl_2$ + HCl	Controlled by instrument	000152+ 419100

SOP No. CORP-IP-0007SA, Revision 1.1, Date: 7/10/96

Method 7471A/245.5

Sample size 0.6 g (well mixed)

Step 1. **Standards**-Add 5 mL of aqua regia and mix.
Samples-Add 5 mL of DI water and 5 mL of aqua regia and mix.

Step 2. Heat for 2 min. at 95 °C ±5 °C.

Step 3. Cool

Step 4. Add 50 mL of DI water and mix.

Step 3. Add 15 mL of $KMnO_4$ and mix.

Step 4. Add 8 mL of $K_2S_2O_8$ and mix

Step 5. Heat at 95 °C ±5 °C for 30 min.

Step 6. Cool

Step 7. Add 6 mL of NH_2OH-HCl and mix.

Step 8. **Standards**-Add 50 mL of DI water and mix.
Samples- Add 55 mL of DI water and mix.

Standards to be prepared with each batch

To each standard add DI water for a total vol. of 10 mL

Standard	Concentration (mg/L)
Std. 0/ICB/CCB	0
Std. 1	0.0002
Std. 2	0.0005
Std. 3	0.001
Std. 4/CCV	0.005
Std. 5	0.010
ICV	0.0025

Redigestion required - Samples/Reason: _____

Requested By: _____ Date: _____ Completed By: _____ Date: _____

Digestate Chain-of-Custody:

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

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08/19/00

RQC057

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

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

BATCH NUMBER: **0278325**

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

INITIALS: [illegible]

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

RQC057

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

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

BATCH NUMBER: **0278325**

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

INITIALS: JB/EI

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0J040125	DLH4J	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040125	DLH5H	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040125	DLH5M	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040183	DLHHQ	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040183	DLHK5	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040000	DLHP0B	01	_____g	X 0.00 g	_____g	_____g
SOLID	DUE DATE:		0/00/00			
	DLHP0C		_____g	0.62 g	_____g	_____g

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

COMMENTS: F.V. = 100 ML

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

SPIKING WITNESSED BY _____

STL LOS ANGELES

Précis

Metals Preparation

Batch: 0278325

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

Prepared By: _____ Date/Time Initiated: 10/05/001 1100

Reviewed By: _____ Date/Time Completed: 1 1130

Water Bath # 6 Temp* 95 °C Thermometer # M-H-01

*Thermometer correction applied. (CF + 2.0°C)

Spike Standards for LCS, MS/MSD and ICV samples (*Volume of Working standard).

	*Volume	Lot #	Exp. Date
1. Hg Cal (MS)	1 mL	Hg-060800	05/2002
2. Hg Cal (LCS)	5 mL	Hg-060800	05/2002
3. Hg ICV	0.5 mL	Hg-061300	07/2001

Preparation

Reagents	Volume	Lot #,
*HNO_3	1.25 mL	6623 T09A058
*HCl	3.75 mL	5587 N41A07
$KMnO_4$	15 mL	995929
$K_2S_2O_8$	8.0 mL	995705

* 3 HCl : 1HNO_3 as Aqua Regia

Analysis

Reagents	Volume	Lot#
NH_2OH-HCl+ NaCl	6.0 mL	995700÷ 995717
$SnCl_2$ + HCl	Controlled by instrument	000152+ 419100

SOP No. CORP-IP-0007SA, Revision 1.1, Date: 7/10/96

Method 7471A/245.5

Sample size 0.6 g (well mixed)

Step 1. **Standards**-Add 5 mL of aqua regia and mix.
Samples-Add 5 mL of DI water and 5 mL of aqua regia and mix.

Step 2. Heat for 2 min. at 95 °C ±5 °C.

Step 3. Cool

Step 4. Add 50 mL of DI water and mix.

Step 3. Add 15 mL of $KMnO_4$ and mix.

Step 4. Add 8 mL of $K_2S_2O_8$ and mix

Step 5. Heat at 95 °C ±5 °C for 30 min.

Step 6. Cool

Step 7. Add 6 mL of NH_2OH-HCl and mix.

Step 8. **Standards**-Add 50 mL of DI water and mix.
Samples- Add 55 mL of DI water and mix.

Standards to be prepared with each batch

To each standard add DI water for a total vol. of 10 mL

Standard	Concentration (mg/L)
Std. 0/ICB/CCB	0
Std. 1	0.0002
Std. 2	0.0005
Std. 3	0.001
Std. 4/CCV	0.005
Std. 5	0.010
ICV	0.0025

Redigestion required - Samples/Reason: _____

Requested By: _____ Date: _____ Completed By: _____ Date: _____

Digestate Chain-of-Custody:

Relinquished By: _____ Date: 10/5/00 Received By: _____ Date: 10/6/00

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08/19/00

STL Los Angeles
Précis
CVAA Data Summary Cover Sheet

Instrument ID: ICPT - M01

Analyst: 107
Analytical Date: 10/04/00

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

Data File: Q 100400
R 100400

Batch	Lot/Project	Data Upload	Review/Release	Pkg.
0276395	EOI 290371 ✓			
~~0277480~~	EOI 030198	WLM 10/04/00	WLM 10/04/00	
~~0276395~~	~~EOI 2903~~ W7 10/04/00			
0276421	LOI 220347			
	LOI 260254			
	LOI 260267			
0274142	EOI 290370 ✓			
	EOI 290371 ✓			
0277483	EOJ 030150 ✓			
0277577	EOI 280327			
	LOI 180191			

Standards

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

Notes/Comments:

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09/08/00

BOE-C6-0149539

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	STDBLK	R100400	QTESTNAK	10/04/00	14:05		X	IR
2	STD1	R100400	QTESTNAK	10/04/00	14:11		X	IR
3	ICVHP	R100400	QTESTNAK	10/04/00	14:18	KT	S	CONC
4	ICB	R100400	QTESTNAK	10/04/00	14:26	KT	S	CONC
5	ICSA	R100400	QTESTNAK	10/04/00	14:32	KT	S	CONC
6	ICSAB	R100400	QTESTNAK	10/04/00	14:38	KT	S	CONC
7	DLC8R	R100400	QTESTNAK	10/04/00	14:46	KT	S	CONC
8	DLC8T	R100400	QTESTNAK	10/04/00	14:52	KT	S	CONC
9	DLC8W	R100400	QTESTNAK	10/04/00	14:58	KT	S	CONC
10	DLC93	R100400	QTESTNAK	10/04/00	15:04	KT	S	CONC
11	DLC96	R100400	QTESTNAK	10/04/00	15:10	KT	S	CONC
12	DLEDRB-0276421	R100400	QTESTNAK	10/04/00	15:15	KT	S	CONC
13	DLEDRC	R100400	QTESTNAK	10/04/00	15:21	KT	S	CONC
14	DKX2J	R100400	QTESTNAK	10/04/00	15:30	KT	S	CONC
15	CCVT	R100400	QTESTNAK	10/04/00	15:38	KT	S	CONC
16	CCBT	R100400	QTESTNAK	10/04/00	15:46	KT	Q	CONC
17	DKX2L	R100400	QTESTNAK	10/04/00	15:52	KT	S	CONC
18	DKX2M	R100400	QTESTNAK	10/04/00	16:00	KT	S	CONC
19	DKX2N	R100400	QTESTNAK	10/04/00	16:08	KT	S	CONC
20	DKX2P	R100400	QTESTNAK	10/04/00	16:16	KT	S	CONC
21	DKX2R	R100400	QTESTNAK	10/04/00	16:24	KT	S	CONC
22	DKX2T	R100400	QTESTNAK	10/04/00	16:30	KT	S	CONC
23	DKX2W	R100400	QTESTNAK	10/04/00	16:38	KT	S	CONC
[illegible]	DKX2X	R100400	QTESTNAK	10/04/00	16:46	KT	S	CONC
[illegible]5	DKX30	R100400	QTESTNAK	10/04/00	16:54	KT	S	CONC
26	DL34V	R100400	QTESTNAK	10/04/00	17:02	KT	S	CONC
27	CCVT	R100400	QTESTNAK	10/04/00	17:10	KT	S	CONC
28	CCBT	R100400	QTESTNAK	10/04/00	17:18	KT	Q	CONC
29	DL34W	R100400	QTESTNAK	10/04/00	17:24	KT	S	CONC
30	DL359	R100400	QTESTNAK	10/04/00	17:32	KT	S	CONC
31	DL39K	R100400	QTESTNAK	10/04/00	17:41	KT	S	CONC
32	DL39KP	R100400	QTESTNAK	10/04/00	17:49	KT	S	CONC
33	DL39KS	R100400	QTESTNAK	10/04/00	17:57	KT	S	CONC
34	DL39KD	R100400	QTESTNAK	10/04/00	18:05	KT	S	CONC
35	DL3C7	R100400	QTESTNAK	10/04/00	18:13	KT	S	CONC
36	DL3C8	R100400	QTESTNAK	10/04/00	18:21	KT	S	CONC
37	CCVT	R100400	QTESTNAK	10/04/00	18:27	KT	S	CONC
38	CCBT	R100400	QTESTNAK	10/04/00	18:35	KT	Q	CONC
39	DLD0NB-0274142	R100400	QTESTNAK	10/04/00	18:41	KT	S	CONC
40	DLD0NC	R100400	QTESTNAK	10/04/00	18:47	KT	S	CONC
41	DLC7C	R100400	QTESTNAK	10/04/00	18:55	KT	S	CONC
42	DLC7CP	R100400	QTESTNAK	10/04/00	19:01	KT	S	CONC
43	DLC7CS	R100400	QTESTNAK	10/04/00	19:09	KT	S	CONC
44	DLC7CD	R100400	QTESTNAK	10/04/00	19:17	KT	S	CONC
45	DLC7D	R100400	QTESTNAK	10/04/00	19:25	KT	S	CONC
46	DLC7E	R100400	QTESTNAK	10/04/00	19:31	KT	S	CONC
47	DLC7J	R100400	QTESTNAK	10/04/00	19:39	KT	S	CONC
48	DLC7L	R100400	QTESTNAK	10/04/00	19:45	KT	S	CONC
[illegible]9	CCVT	R100400	QTESTNAK	10/04/00	19:51	KT	S	CONC
[illegible]0	CCBT.	R100400	QTESTNAK	10/04/00	19:59	KT	Q	CONC
51	DLC7N	R100400	QTESTNAK	10/04/00	20:05	KT	S	CONC
52	DLC7P	R100400	QTESTNAK	10/04/00	20:11	KT	S	CONC
53	DLC7R	R100400	QTESTNAK	10/04/00	20:17	KT	S	CONC

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
54	DLC7T	R100400	QTESTNAK	10/04/00	20:23	KT	S	CONC
55	DLC7W	R100400	QTESTNAK	10/04/00	20:29	KT	S	CONC
56	DLC81	R100400	QTESTNAK	10/04/00	20:35	KT	S	CONC
57	DLC82	R100400	QTESTNAK	10/04/00	20:41	KT	S	CONC
58	DLC83	R100400	QTESTNAK	10/04/00	20:47	KT	S	CONC
59	DLC85	R100400	QTESTNAK	10/04/00	20:53	KT	S	CONC
60	DLC86	R100400	QTESTNAK	10/04/00	20:59	KT	S	CONC
61	CCVT	R100400	QTESTNAK	10/04/00	21:05	KT	S	CONC
62	CCBT.	R100400	QTESTNAK	10/04/00	21:13	KT	Q	CONC
63	DLC87	R100400	QTESTNAK	10/04/00	21:19	KT	S	CONC
64	DLC89	R100400	QTESTNAK	10/04/00	21:25	KT	S	CONC
65	DLC8C	R100400	QTESTNAK	10/04/00	21:31	KT	S	CONC
66	DLC8E	R100400	QTESTNAK	10/04/00	21:37	KT	S	CONC
67	DLC8F	R100400	QTESTNAK	10/04/00	21:43	KT	S	CONC
68	DLGAVB-0277483	R100400	QTESTNAK	10/04/00	21:49	KT	S	CONC
69	DLGAVC	R100400	QTESTNAK	10/04/00	21:55	KT	S	CONC
70	DLFGE	R100400	QTESTNAK	10/04/00	22:03	KT	S	CONC
71	DLFGEP	R100400	QTESTNAK	10/04/00	22:09	KT	S	CONC
72	DLFGES	R100400	QTESTNAK	10/04/00	22:15	KT	S	CONC
73	CCVT	R100400	QTESTNAK	10/04/00	22:23	KT	S	CONC
74	CCBT.	R100400	QTESTNAK	10/04/00	22:31	KT	Q	CONC
75	DLFGED	R100400	QTESTNAK	10/04/00	22:37	KT	S	CONC
76	DLFGQ	R100400	QTESTNAK	10/04/00	22:46	KT	S	CONC
77	DLFGV	R100400	QTESTNAK	10/04/00	22:51	KT	S	CONC
	DLFHQ	R100400	QTESTNAK	10/04/00	22:57	KT	S	CONC
[illegible]	DLFHX	R100400	QTESTNAK	10/04/00	23:03	KT	S	CONC
80	DLFJ4	R100400	QTESTNAK	10/04/00	23:09	KT	S	CONC
81	DLFJA	R100400	QTESTNAK	10/04/00	23:15	KT	S	CONC
82	DLFJD	R100400	QTESTNAK	10/04/00	23:21	KT	S	CONC
83	DLFJK	R100400	QTESTNAK	10/04/00	23:27	KT	S	CONC
84	DLFJN	R100400	QTESTNAK	10/04/00	23:33	KT	S	CONC
85	CCVT	R100400	QTESTNAK	10/04/00	23:39	KT	S	CONC
86	CCBT,	R100400	QTESTNAK	10/04/00	23:47	KT	Q	CONC
87	DLFJQ	R100400	QTESTNAK	10/04/00	23:53	KT	S	CONC
88	DLFJV	R100400	QTESTNAK	10/04/00	23:59	KT	S	CONC
89	DLFKK0	R100400	QTESTNAK	10/05/00	00:07	KT	S	CONC
90	DLFK5	R100400	QTESTNAK	10/05/00	00:13	KT	S	CONC
91	DLFK7	R100400	QTESTNAK	10/05/00	00:19	KT	S	CONC
92	DLFKA	R100400	QTESTNAK	10/05/00	00:25	KT	S	CONC
93	DLFKE	R100400	QTESTNAK	10/05/00	00:31	KT	S	CONC
94	DLFKG	R100400	QTESTNAK	10/05/00	00:37	KT	S	CONC
95	DLGP8BT-0277577	R100400	QTESTNAK	10/05/00	00:43	KT	S	CONC
96	DLGP8CT	R100400	QTESTNAK	10/05/00	00:51	KT	S	CONC
97	CCVT	R100400	QTESTNAK	10/05/00	00:59	KT	S	CONC
98	CCBT,	R100400	QTESTNAK	10/05/00	01:07	KT	Q	CONC
99	DL8H5T	R100400	QTESTNAK	10/05/00	01:13	KT	S	CONC
100	DL8H5PT	R100400	QTESTNAK	10/05/00	01:22	KT	S	CONC
101	DL8H5ST	R100400	QTESTNAK	10/05/00	01:27	KT	S	CONC
102	DL8H5DT	R100400	QTESTNAK	10/05/00	01:36	KT	S	CONC
[illegible]	DKK8QT	R100400	QTESTNAK	10/05/00	01:44	KT	S	CONC
[illegible]	DKK95T	R100400	QTESTNAK	10/05/00	01:52	KT	S	CONC
105	DLGP8CT 5X	R100400	QTESTNAK	10/05/00	02:00	KT	S	CONC
106	DL8H5ST 5X	R100400	QTESTNAK	10/05/00	02:08	KT	S	CONC
107	DL8H5DT 5X	R100400	QTESTNAK	10/05/00	02:16	KT	S	CONC

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
108	CCVT	R100400	QTESTNAK	10/05/00	02:24	KT	S	CONC
109	CCBT,	R100400	QTESTNAK	10/05/00	02:32	KT	Q	CONC

Method: QTESTNAK Standard: STDBLK R100400
Run Time: 10/04/00 14:05:05

Elem	Al3082	As1890	Ba4934	Be3130	Cd_tr	Ca3179	Cr_tr
Avge	.08846	-.01624	.00032	.00079	.02051	.00189	.00441
SDev	.00257	.00020	.00000	.00022	.01118	.00000	.00089
%RSD	2.9049	1.2410	.13202	28.411	54.505	.13201	20.074
#1	.09028	-.01610	.00032	.00095	.02841	.00189	.00379
#2	.08664	-.01638	.00032	.00063	.01260	.00189	.00504

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Mo2020	Ni2316
Avge	.00000	.00883	-.00047	.00110	.00032	.00016	.00016
SDev	.00000	.00001	.00022	.00022	.00000	.00022	.00022
%RSD	.00000	.13201	47.023	20.332	.13202	141.42	141.42
#1	.00000	.00884	-.00032	.00126	.00032	.00000	.00000
#2	.00000	.00882	-.00063	.00095	.00032	.00032	.00032

Elem	Ag_tr	Na3302	Tl1908	Ti3349	V_2924	Zn2138	Sn1899
Avge	-.00063	-.00410	-.03043	-.00126	.00047	.00095	-.00079
SDev	.00045	.00134	.00116	.00000	.00022	.00000	.00022
%RSD	70.810	32.761	3.7957	.13202	47.258	.13201	28.158
#1	-.00095	-.00505	-.03125	-.00126	.00063	.00095	-.00063
#2	-.00032	-.00315	-.02962	-.00126	.00032	.00095	-.00095

Elem	2068_1	2068_2	2203_1	2203_2	1960_1	1960_2	B_2496
Avge	-.00363	.00284	.06551	.00457	-.01072	.00867	-.0002
SDev	.00380	.00179	.00203	.00023	.00046	.00021	.0002
%RSD	104.59	62.960	3.1015	5.0084	4.2913	2.4393	141.4
#1	-.00631	.00410	.06408	.00473	-.01105	.00852	-.0003
#2	-.00095	.00158	.06695	.00441	-.01040	.00882	.0000

Elem	Sr4215	Si2881
Avge	.0003	.0536
SDev	.0000	.0001
%RSD	.1320	.1320
#1	.0003	.0537
#2	.0003	.0536

IntStd	1	2	3	4	5	6	7
de	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6342	--	--	--	--	--	--
SDev	8.372379	--	--	--	--	--	--
%RSD	.1320131	--	--	--	--	--	--
#1	6336	--	--	--	--	--	--
#2	6348	--	--	--	--	--	--

Method: QTESTNAK Standard: STD1
Run Time: 10/04/00 14:11:38

Elem	Al3082	As1890	Ba4934	Be3130	Cd_tr	Ca3179	Cr_tr
Avge	15.374	2.2510	3.4212	7.1079	18.437	2.7202	8.7061
SDev	.020	.0425	.0042	.0046	.035	.0003	.0013
%RSD	.13064	1.8882	.12190	.06535	.18957	.00979	.01517
#1	15.388	2.2209	3.4242	7.1112	18.412	2.7200	8.7070
#2	15.359	2.2810	3.4183	7.1046	18.462	2.7204	8.7051

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Mo2020	Ni2316
Avge	1.2190	2.9792	3.5165	21.940	3.7211	.48484	1.3239
SDev	.0002	.0031	.0062	.017	.0015	.00408	.0036
%RSD	.02021	.10407	.17709	.07811	.03953	.84113	.27536
#1	1.2188	2.9814	3.5209	21.952	3.7221	.48196	1.3213
#2	1.2192	2.9770	3.5121	21.927	3.7200	.48773	1.3265

Elem	Ag_tr	Na3302	Tl1908	Ti3349	V_2924	Zn2138	Sn1899
Avge	6.0559	3.6004	2.5235	2.1574	1.8280	1.1366	.19843
SDev	.0042	.0019	.0140	.0057	.0044	.0004	.00066
%RSD	.06859	.05177	.55421	.26320	.24203	.03920	.33333
#1	6.0588	3.6018	2.5136	2.1614	1.8311	1.1363	.19796
#2	6.0529	3.5991	2.5334	2.1534	1.8249	1.1370	.19889

Elem	2068_1	2068_2	2203_1	2203_2	1960_1	1960_2	B_2496
Avge	1.3557	.67342	5.5020	2.3019	.29708	.39604	.5964
SDev	.0106	.00453	.0134	.0036	.00111	.00384	.0008
%RSD	.78533	.67344	.24411	.15772	.37285	.96869	.1408
#1	1.3482	.67022	5.5115	2.3045	.29629	.39333	.5958
#2	1.3633	.67663	5.4925	2.2994	.29786	.39876	.5970

Elem	Sr4215	Si2881
Avge	7.275	1.347
SDev	.008	.004
%RSD	.1149	.3003
#1	7.281	1.344
#2	7.269	1.350

IntStd	1	2	3	4	5	6	7
›de	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
ɛlem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6194	--	--	--	--	--	--
SDev	14.99046	--	--	--	--	--	--
%RSD	.2420283	--	--	--	--	--	--
#1	6183	--	--	--	--	--	--
#2	6204	--	--	--	--	--	--

Method: QTESTNAK Slope = Conc(SIR)/IR

I ment	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	3.27996	-.290140	10/04/00 02:11:38
As1890	189.042	STD1	STDBLK	.442497	.007186	10/04/00 02:11:38
Ba4934	493.409	STD1	STDBLK	1.16928	-.000369	10/04/00 02:11:38
Be3130	313.042	STD1	STDBLK	.563178	-.000444	10/04/00 02:11:38
Cd_tr	226.502	STD1	STDBLK	.054753	-.001123	10/04/00 02:11:38
Ca3179	317.933	STD1	STDBLK	73.5827	-.139228	10/04/00 02:11:38
Cr_tr	267.716	STD1	STDBLK	.459778	-.002030	10/04/00 02:11:38
Co2286	228.616	STD1	STDBLK	3.29004	.000000	10/04/00 02:11:38
Cu3247	324.753	STD1	STDBLK	1.34628	-.011888	10/04/00 02:11:38
Fe2714	271.441	STD1	STDBLK	14.3357	.006779	10/04/00 02:11:38
Mg2790	279.078	STD1	STDBLK	9.11096	-.010057	10/04/00 02:11:38
Mn2576	257.610	STD1	STDBLK	1.07506	-.000339	10/04/00 02:11:38
Mo2020	202.030	STD1	STDBLK	8.24234	-.001298	10/04/00 02:11:38
Ni2316	231.604	STD1	STDBLK	3.02168	-.000476	10/04/00 02:11:38
Ag_tr	328.068	STD1	STDBLK	.330442	.000209	10/04/00 02:11:38
Na3302	330.232	STD1	STDBLK	1.06180	.016117	10/04/00 02:11:38
Tl1908	190.864	STD1	STDBLK	.788396	.023993	10/04/00 02:11:38
Ti3349	334.941	STD1	STDBLK	1.85343	.002338	10/04/00 02:11:38
V_2924	292.402	STD1	STDBLK	2.19016	-.001036	10/04/00 02:11:38
Zn2138	213.856	STD1	STDBLK	3.54698	-.003356	10/04/00 02:11:38
Sn1899	189.989	STD1	STDBLK	20.0954	.015840	10/04/00 02:11:38
[illegible]68_1	206.831	STD1	STDBLK	.711053	.002580	10/04/00 02:11:38
[illegible]68_2	206.832	STD1	STDBLK	1.47416	-.004186	10/04/00 02:11:38
2203_1	220.351	STD1	STDBLK	.187050	-.012254	10/04/00 02:11:38
2203_2	220.352	STD1	STDBLK	.431773	-.001974	10/04/00 02:11:38
1960_1	196.021	STD1	STDBLK	3.25581	.034910	10/04/00 02:11:38
1960_2	196.022	STD1	STDBLK	2.52000	-.021854	10/04/00 02:11:38
B_2496	249.678	STD1	STDBLK	6.70498	.001058	10/04/00 02:11:38
Sr4215	421.552	STD1	STDBLK	.549845	-.000173	10/04/00 02:11:38
Si2881	288.158	STD1	STDBLK	3.09223	-.165775	10/04/00 02:11:38

Method: QTESTNAK Sample Name: ICVHP Operator: KT
Run Time: 10/04/00 14:18:09
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.99883	.99173	1.0032	10.037	1.0089	1.0296	1.0380
SDev	.00345	.00571	.0016	.045	.0022	.0015	.0004
%RSD	.34532	.57602	.15838	.45255	.21823	.14951	.03487
#1	1.0013	.98769	1.0021	10.070	1.0104	1.0285	1.0382
#2	.99640	.99577	1.0043	10.005	1.0073	1.0307	1.0377
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	1.0134	41.058	1.0399	1.0178	.99236	10.413	40.270
SDev	.0004	.058	.0027	.0026	.00271	.013	.058
%RSD	.04015	.14049	.26393	.25204	.27290	.12263	.14359
#1	1.0137	41.099	1.0379	1.0160	.99428	10.422	40.229
#2	1.0131	41.018	1.0418	1.0196	.99045	10.404	40.311
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	1.0540	1.0024	1.0307	.39495	38.862	5.0979	1.0545
SDev	.0024	.0037	.0002	.00056	.093	.0158	.0018
%RSD	.22976	.37040	.01631	.14277	.24040	.31057	.17341
#1	1.0523	.99975	1.0306	.39535	38.928	5.0867	1.0532
#2	1.0557	1.0050	1.0308	.39455	38.796	5.1091	1.0558
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	1.0371	1.0326	.96941	1.0018	1.0060	.99360	1.0015
SDev	.0020	.0013	.00620	.0026	.0005	.00704	.0017
%RSD	.19693	.12472	.63952	.26165	.04762	.70850	.16540
#1	1.0356	1.0317	.97380	1.00000	1.0063	.99858	1.0026
#2	1.0385	1.0335	.96503	1.0037	1.0056	.98863	1.0003
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	1.1000	1.1000	1.1000				
Low	.90000	.90000	.90000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
rge	.98658	.99430	.9912	1.040	L.8953
sDev	.00172	.00942	.0042	.001	.0002
%RSD	.17390	.94751	.4241	.1032	.0180
#1	.98780	.98764	.9882	1.040	L.8952
#2	.98537	1.0010	.9942	1.041	L.8955
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	6338	--	--	--	--	--	--
SDev	11.39864	--	--	--	--	--	--
%RSD	.1798398	--	--	--	--	--	--
#1	6330	--	--	--	--	--	--
#2	6346	--	--	--	--	--	--

Analysis Report 10/04/00 02:32:08 PM page 1

Method: QTESTNAK Sample Name: ICB Operator: KT
Run Time: 10/04/00 14:26:14
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00194	.00047	-.00061	-.00839	-.00094	-.00000	-.00001
SDev	.00097	.00051	.00141	.00470	.00252	.00000	.00012
%RSD	49.754	107.92	231.36	55.998	268.83	9.8698	2257.4
#1	-.00262	.00011	.00039	-.00507	.00084	-.00000	.00008
#2	-.00126	.00083	-.00161	-.01172	-.00272	-.00001	-.00009
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	.00009	.02107	.00040	-.00000	.00005	.00679	.00131
SDev	.00002	.00021	.00000	.00000	.00031	.00631	.00001
%RSD	27.728	.99726	.78472	7.9269	580.97	92.967	1.0710
#1	.00007	.02122	.00041	-.00000	.00027	.01125	.00132
#2	.00010	.02093	.00040	-.00000	-.00017	.00233	.00130
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	-.00000	.00127	-.00095	-.00005	.20968	.00056	.00061
SDev	.00000	.00000	.00067	.00022	.10779	.00049	.00000
%RSD	9.8698	.31574	70.310	449.52	51.405	86.994	.37377
#1	-.00000	.00127	-.00142	.00011	.28589	.00091	.00061
#2	-.00000	.00126	-.00048	-.00020	.13346	.00022	.00061
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	-.00035	-.00004	.00646	-.00181	.00178	-.00268	-.00157
SDev	.00000	.00001	.00443	.00341	.00259	.00176	.00057
%RSD	.20156	12.538	68.696	188.79	145.06	65.699	36.199
#1	-.00035	-.00004	.00332	.00060	-.00005	-.00392	-.00197
#2	-.00036	-.00005	.00959	-.00421	.00361	-.00143	-.00117
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	.00197	-.00028	.0011	<.0000	<.0000
SDev	.00936	.00391	.0000	.0001	.0016
%RSD	474.44	1390.5	.0000	138.0	130.2
#1	-.00464	.00249	.0011	<.0000	<.0000
#2	.00859	-.00305	.0011	<.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	6426	--	--	--	--	--	--
SDev	8.428657	--	--	--	--	--	--
%RSD	.1311576	--	--	--	--	--	--
#1	6420	--	--	--	--	--	--
#2	6432	--	--	--	--	--	--

Method: QTESTNAK Sample Name: ICSA Operator: KT
Run Time: 10/04/00 14:32:11
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00350	-.00513	.00009	505.75	-.00627	.00083	-.00006
SDev	.00211	.00382	.00942	.40	.00217	.00000	.00000
%RSD	60.170	74.431	10341.	.07855	34.674	.42229	1.4602
#1	-.00499	-.00783	-.00657	506.03	-.00781	.00083	-.00006
#2	-.00201	-.00243	.00675	505.47	-.00473	.00083	-.00006
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	.00096	489.28	-.00259	.00047	-.00082	197.38	499.48
SDev	.00021	.09	.00090	.00001	.00031	.22	.51
%RSD	22.028	.01812	34.789	1.2276	37.393	.11162	.10178
#1	.00081	489.34	-.00195	.00048	-.00104	197.54	499.84
#2	.00111	489.22	-.00323	.00047	-.00060	197.22	499.12
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	-.00346	.00315	-.00099	-.00069	.03047	-.00098	.00012
SDev	.00025	.00197	.00073	.00016	.01564	.00137	.00046
%RSD	7.2413	62.556	73.657	22.601	51.341	140.25	376.00
#1	-.00328	.00454	-.00151	-.00058	.01941	-.00001	-.00020
#2	-.00364	.00176	-.00048	-.00081	.04153	-.00195	.00044
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	-.00114	-.00161	.00312	-.00018	.00063	.02259	-.01652
SDev	.00054	.00092	.00001	.01254	.00317	.00645	.00006
%RSD	47.252	57.259	.36980	7069.9	504.33	28.553	.38299
#1	-.00076	-.00096	.00311	-.00904	-.00161	.01803	-.01648
#2	-.00153	-.00226	.00313	.00869	.00287	.02715	-.01657
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.05000	.02000	.10000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
ge	.00956	-.01247	.0102	.0153	.0091
sDev	.00875	.00136	.0000	.0001	.0002
%RSD	91.517	10.915	.2621	.5711	2.586
#1	.00337	-.01343	.0102	.0153	.0090
#2	.01574	-.01151	.0102	.0154	.0093
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	5852	--	--	--	--	--	--
SDev	17.11178	--	--	--	--	--	--
%RSD	.2924001	--	--	--	--	--	--
#1	5840	--	--	--	--	--	--
#2	5864	--	--	--	--	--	--

Analysis Report 10/04/00 02:44:02 PM page 1

Method: QTESTNAK Sample Name: ICSAB Operator: KT
Run Time: 10/04/00 14:38:08
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0128	1.0133	1.0598	508.38	1.0462	.52628	.50811
SDev	.0022	.0040	.0188	.61	.0049	.00180	.00010
%RSD	.21473	.39238	1.7710	.11903	.47141	.34246	.02036
#1	1.0112	1.0161	1.0466	508.81	1.0427	.52755	.50819
#2	1.0143	1.0105	1.0731	507.95	1.0497	.52500	.50804
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.2000	1.2000	1.2000	600.00	1.2000	.60000	.60000
Low	.80000	.80000	.80000	400.00	.80000	.40000	.40000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.97269	489.45	.49839	.49964	.53944	197.33	501.63
SDev	.00712	.53	.00286	.00303	.00036	.20	1.61
%RSD	.73178	.10731	.57402	.60560	.06726	.10221	.32178
#1	.97773	489.82	.50041	.50178	.53970	197.19	502.77
#2	.96766	489.08	.49637	.49750	.53918	197.47	500.49
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	.51202	1.0172	1.0022	1.0740	H13.219	1.0590	-.00031
SDev	.00247	.0107	.0049	.0014	.023	.0106	.00089
%RSD	.48307	1.0536	.49220	.13471	.17106	.99824	290.03
#1	.51377	1.0097	1.0056	1.0750	H13.235	1.0665	.00032
#2	.51027	1.0248	.99867	1.0730	H13.203	1.0515	-.00094
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass
High	.60000	1.2000	1.2000	1.2000	12.000	1.2000	.10000
Low	.40000	.80000	.80000	.80000	8.0000	.80000	-.10000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.50612	1.0557	-.00036	1.0531	1.0733	1.0362	1.0011
SDev	.00200	.0040	.00487	.0284	.0006	.0006	.0036
%RSD	.39487	.37783	1360.4	2.6992	.05324	.05796	.35564
#1	.50471	1.0585	-.00380	1.0330	1.0737	1.0366	.99856
#2	.50753	1.0529	.00309	1.0732	1.0729	1.0357	1.0036
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.60000	1.2000	.20000				
Low	.40000	.80000	-.20000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
·ge	1.0147	1.0126	.0102	.0154	.0051
sDev	.0060	.0030	.0000	.0001	.0025
%RSD	.58877	.29413	.1141	.9955	47.86
#1	1.0189	1.0147	.0102	.0155	.0069
#2	1.0105	1.0104	.0102	.0152	.0034
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	5844	--	--	--	--	--	--
SDev	7.438777	--	--	--	--	--	--
%RSD	.1272966	--	--	--	--	--	--
#1	5838	--	--	--	--	--	--
#2	5849	--	--	--	--	--	--

Method: QTESTNAK Sample Name: CCVT Operator: KT
Run Time: 10/04/00 21:05:21
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49912	.49403	.49912	24.582	.49839	2.0329	2.0539
SDev	.00124	.00393	.00103	.082	.01050	.0124	.0018
%RSD	.24855	.79514	.20611	.33361	2.1062	.61068	.08637
#1	.50000	.49681	.49839	24.640	.50581	2.0417	2.0552
#2	.49824	.49126	.49984	24.525	.49097	2.0241	2.0527
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	.50775	101.98	2.0429	2.0256	1.9911	25.648	100.37
SDev	.00448	.22	.0083	.0081	.0003	.038	.55
%RSD	.88253	.21904	.40798	.40020	.01354	.14771	.54713
#1	.51092	102.13	2.0488	2.0314	1.9913	25.674	100.76
#2	.50459	101.82	2.0370	2.0199	1.9909	25.621	99.986
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	2.0403	2.0066	2.0335	.99546	50.136	.97219	2.0509
SDev	.0084	.0100	.0070	.00240	.219	.00100	.0034
%RSD	.41406	.49971	.34242	.24154	.43766	.10290	.16483
#1	2.0463	1.9995	2.0385	.99716	50.291	.97149	2.0532
#2	2.0343	2.0137	2.0286	.99376	49.981	.97290	2.0485
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	2.0448	2.0360	1.9725	.49727	.50281	.49734	.50001
SDev	.0036	.0072	.0368	.00358	.00408	.00387	.00007
%RSD	.17374	.35554	1.8673	.72009	.81204	.77892	.01482
#1	2.0473	2.0411	1.9985	.49474	.50570	.50008	.49996
#2	2.0423	2.0309	1.9464	.49980	.49993	.49460	.50006
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
rge	.49536	.49337	1.982	2.050	2.012
sDev	.00888	.00146	.004	.012	.016
%RSD	1.7919	.29552	.2060	.5738	.7897
#1	.50164	.49440	1.985	2.058	2.024
#2	.48909	.49234	1.979	2.042	2.001
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	6342	--	--	--	--	--	--
SDev	32.21583	--	--	--	--	--	--
%RSD	.5079774	--	--	--	--	--	--
#1	6319	--	--	--	--	--	--
#2	6365	--	--	--	--	--	--

Method: QTESTNAK Sample Name: CCBT. Operator: KT
Run Time: 10/04/00 21:13:26
nment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00173	-.00112	.00164	-.01345	.00078	.00017	.00008
SDev	.00104	.00070	.00138	.00637	.00056	.00026	.00000
%RSD	60.304	62.211	84.208	47.335	71.768	149.14	2.1307
#1	-.00247	-.00162	.00262	-.00895	.00118	.00035	.00008
#2	-.00099	-.00063	.00066	-.01795	.00039	-.00001	.00008
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.00500	.06000	.20000	.01000	.02000	.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00004	.01934	.00010	-.00000	-.00008	.02225	.00542
SDev	.00030	.00037	.00061	.00000	.00027	.01564	.00205
%RSD	662.23	1.9132	637.15	21.898	350.30	70.301	37.828
#1	.00026	.01960	.00052	-.00000	-.00026	.03331	.00687
#2	-.00017	.01908	-.00033	-.00000	.00011	.01119	.00397
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	.00032	.00251	-.00048	-.00005	.24256	-.00015	.00148
SDev	.00000	.00180	.00132	.00007	.04233	.00091	.00040
%RSD	.47837	71.841	275.48	155.79	17.450	607.76	27.071
#1	.00032	.00379	-.00141	.00000	.21263	-.00079	.00177
#2	.00032	.00124	.00045	-.00010	.27249	.00049	.00120
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	-.00070	-.00063	.00037	.00171	.00151	-.00137	-.00191
SDev	.00048	.00076	.00441	.00034	.00484	.00144	.00084
%RSD	67.944	121.37	1198.8	20.072	320.43	105.25	44.201
#1	-.00104	-.00117	-.00275	.00147	.00493	-.00239	-.00251
#2	-.00036	-.00009	.00349	.00195	-.00191	-.00035	-.00131
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	-.00468	.00065	.0031	<.0000	.0018
sDev	.00222	.00006	.0000	.0000	.0004
%RSD	47.365	8.9824	.1543	9.576	22.11
#1	-.00625	.00069	.0031	<.0000	.0020
#2	-.00312	.00061	.0031	<.0000	.0015
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	6497	--	--	--	--	--	--
SDev	15.16033	--	--	--	--	--	--
%RSD	.2333564	--	--	--	--	--	--
#1	6486	--	--	--	--	--	--
#2	6507	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLC87 Operator: KT
Run Time: 10/04/00 21:19:24
ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06241	L-.01922	-.00342	355.20	.02539	1.3554	.00934
SDev	.00180	.00751	.00553	.52	.00012	.0054	.00011
%RSD	2.8802	39.059	161.91	.14545	.48453	.39608	1.1665
#1	.06114	L-.01391	.00050	354.84	.02530	1.3516	.00942
#2	.06368	L-.02453	-.00733	355.57	.02548	1.3591	.00926
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	-.00008	39.093	.35197	.10353	.19881	338.87	73.799
SDev	.00024	.062	.00081	.00023	.00036	.23	.288
%RSD	308.70	.15736	.22915	.22432	.18039	.06751	.38989
#1	-.00025	39.049	.35140	.10337	.19907	339.03	73.596
#2	.00009	39.136	.35254	.10370	.19856	338.71	74.003
rrors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
igh	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.7817	.00521	.22955	-.00192	12.255	.00741	15.373
SDev	.0152	.00362	.00104	.00015	.017	.00551	.028
%RSD	.40207	69.506	.45260	7.6424	.13904	74.304	.18474
#1	3.7710	.00777	.23028	-.00182	12.267	.00352	15.393
#2	3.7925	.00265	.22881	-.00202	12.243	.01131	15.353
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	.66605	.62466	.02447	-.00753	.00481	.09178	.04775
SDev	.00154	.00313	.00430	.00830	.00000	.00242	.00149
%RSD	.23090	.50062	17.591	110.26	.06346	2.6392	3.1115
#1	.66713	.62245	.02752	-.00166	.00481	.09007	.04670
#2	.66496	.62687	.02143	-.01340	.00481	.09349	.04880
rrors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.00582	-.02592	.0738	.4908	2.748
SDev	.00568	.00842	.0015	.0016	.014
%RSD	97.606	32.498	2.078	.3343	.5126
#1	-.00180	-.01996	.0727	.4896	2.738
#2	-.00983	-.03187	.0749	.4919	2.758
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	6542	--	--	--	--	--	--
SDev	7.608303	--	--	--	--	--	--
%RSD	.1163011	--	--	--	--	--	--
#1	6547	--	--	--	--	--	--
#2	6537	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLC89 Operator: KT
Run Time: 10/04/00 21:25:22
Comment:
de: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06083	L-.01882	-.00393	330.92	.02701	2.4026	.00877
SDev	.00037	.00177	.00301	.18	.00366	.0010	.00014
%RSD	.61167	9.4269	76.498	.05431	13.564	.04078	1.6401
#1	.06056	L-.02008	-.00181	331.05	.02960	2.4033	.00887
#2	.06109	L-.01757	-.00606	330.79	.02442	2.4019	.00867
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	-.00010	39.244	.33962	.12783	.19792	329.01	69.719
SDev	.00015	.036	.00089	.00043	.00072	.44	.048
%RSD	147.50	.09221	.26108	.33290	.36612	.13396	.06860
#1	.00000	39.218	.33899	.12813	.19844	328.70	69.685
#2	-.00021	39.269	.34024	.12753	.19741	329.32	69.753
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
igh	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.8307	.00818	.23462	-.00300	9.2975	.01175	13.030
SDev	.0063	.00167	.00011	.00022	.0166	.00292	.024
%RSD	.10749	20.398	.04713	7.2661	.17839	24.878	.18175
#1	5.8263	.00936	.23454	-.00316	9.3093	.00969	13.013
#2	5.8352	.00700	.23470	-.00285	9.2858	.01382	13.047
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	.63327	.60592	.01952	-.00675	.00170	.08458	.04897
SDev	.00129	.00070	.00424	.00401	.00101	.00497	.00304
%RSD	.20364	.11568	21.747	59.393	59.675	5.8713	6.2018
#1	.63236	.60542	.01652	-.00391	.00241	.08809	.04682
#2	.63418	.60641	.02252	-.00958	.00098	.08107	.05112
'rrors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
ıigh	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.00188	-.02728	.0641	.5577	2.562
SDev	.00218	.00157	.0001	.0001	.002
%RSD	116.20	5.7534	.2249	.0173	.0931
#1	-.00342	-.02839	.0642	.5578	2.561
#2	-.00034	-.02617	.0640	.5577	2.564
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	6594	--	--	--	--	--	--
SDev	15.07539	--	--	--	--	--	--
%RSD	.2286402	--	--	--	--	--	--
#1	6583	--	--	--	--	--	--
#2	6604	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLC8C Operator: KT
Run Time: 10/04/00 21:31:20
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05929	L-.01771	-.00645	327.65	.03034	2.5805	.00840
SDev	.00136	.00753	.00219	.36	.00453	.0033	.00002
%RSD	2.2921	42.536	33.978	.11111	14.916	.12915	.17898
#1	.05832	L-.01238	-.00800	327.39	.03354	2.5828	.00841
#2	.06025	L-.02303	-.00490	327.91	.02714	2.5781	.00839
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	-.00130	35.016	.32757	.11168	.18322	323.99	68.282
SDev	.00098	.004	.00042	.00047	.00061	.26	.029
%RSD	75.510	.01232	.12948	.42424	.33141	.08045	.04187
#1	-.00060	35.013	.32727	.11135	.18365	324.17	68.262
#2	-.00199	35.019	.32787	.11202	.18279	323.80	68.303
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	4.3736	.00378	.21287	-.00271	11.414	.00780	12.380
SDev	.0011	.00353	.00160	.00014	.101	.00110	.001
%RSD	.02526	93.629	.74980	5.0976	.88115	14.138	.00998
#1	4.3729	.00627	.21174	-.00262	11.485	.00702	12.381
#2	4.3744	.00128	.21400	-.00281	11.343	.00858	12.379
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.62282	.57400	.01696	-.00990	.00046	.08612	.04589
SDev	.00108	.00052	.00003	.00458	.00259	.00087	.00160
%RSD	.17266	.08983	.17226	46.260	559.85	1.0123	3.4911
#1	.62358	.57363	.01698	-.01314	.00230	.08550	.04476
#2	.62206	.57436	.01694	-.00666	-.00137	.08673	.04702
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	-.00480	-.02415	.0604	.5806	2.569
⊔Dev	.00764	.00748	.0001	.0006	.004
%RSD	159.16	30.959	.1653	.1070	.1531
#1	.00060	-.01886	.0604	.5811	2.572
#2	-.01021	-.02944	.0603	.5802	2.566
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6558	--	--	--	--	--	--
SDev	11.03093	--	--	--	--	--	--
%RSD	.1682150	--	--	--	--	--	--
#1	6550	--	--	--	--	--	--
#2	6565	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLC8E Operator: KT
Run Time: 10/04/00 21:37:17
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.08951	L-.00699	-.00319	160.26	.03046	1.2853	.00462
SDev	.00040	.00108	.00014	.18	.00003	.0003	.00013
%RSD	.44831	15.412	4.3676	.11176	.11523	.02116	2.8841
#1	.08979	L-.00776	-.00309	160.14	.03044	1.2855	.00471
#2	.08922	L-.00623	-.00328	160.39	.03049	1.2851	.00452
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	.00027	36.224	.19271	.10937	.22927	179.91	35.618
SDev	.00030	.040	.00081	.00106	.00054	.13	.016
%RSD	108.94	.11060	.41795	.96569	.23691	.07095	.04398
#1	.00048	36.196	.19214	.10863	.22965	179.82	35.607
#2	.00006	36.253	.19328	.11012	.22888	180.00	35.629
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	7.8195	.00821	.13526	-.00283	5.4283	.01546	13.254
SDev	.0065	.00172	.00032	.00028	.0354	.00194	.004
%RSD	.08321	20.935	.24012	9.7773	.65286	12.563	.03373
#1	7.8149	.00942	.13503	-.00263	5.4032	.01409	13.251
#2	7.8241	.00699	.13549	-.00302	5.4533	.01684	13.257
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5.0000	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.39071	.45331	.01966	-.00526	.00097	.10252	.08301
SDev	.00137	.00036	.00431	.00097	.00152	.00315	.00217
%RSD	.34952	.07909	21.937	18.385	156.60	3.0697	2.6173
#1	.38974	.45306	.02271	-.00458	-.00010	.10029	.08455
#2	.39168	.45356	.01661	-.00594	.00204	.10474	.08148
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
rge	-.00332	-.00883	.0353	.4452	2.812
sDev	.00286	.00019	.0029	.0001	.004
%RSD	86.149	2.1350	8.295	.0286	.1263
#1	-.00534	-.00896	.0374	.4451	2.809
#2	-.00130	-.00870	.0332	.4453	2.815
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	6656	--	--	--	--	--	--
SDev	15.55635	--	--	--	--	--	--
%RSD	.2337066	--	--	--	--	--	--
#1	6645	--	--	--	--	--	--
#2	6667	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLC8F Operator: KT
Run Time: 10/04/00 21:43:15
mment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05642	L-.01633	-.00298	330.62	.02984	2.3157	.00963
SDev	.00128	.00280	.00090	.07	.00245	.0039	.00001
%RSD	2.2747	17.180	30.340	.02154	8.2069	.16940	.13749
#1	.05551	L-.01831	-.00234	330.57	.02811	2.3130	.00964
#2	.05732	L-.01434	-.00362	330.67	.03157	2.3185	.00962
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	-.00184	34.805	.34436	.11134	.16835	324.69	66.941
SDev	.00012	.083	.00034	.00046	.00019	.67	.113
%RSD	6.6008	.23981	.09909	.40845	.11115	.20591	.16898
#1	-.00193	34.746	.34460	.11101	.16848	324.22	66.861
#2	-.00175	34.864	.34412	.11166	.16822	325.17	67.021
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	4.2136	.00376	.21258	-.00330	9.9085	.01098	13.155
SDev	.0045	.00010	.00039	.00014	.0410	.00071	.030
%RSD	.10632	2.7200	.18172	4.2175	.41345	6.4231	.23112
#1	4.2104	.00369	.21230	-.00320	9.8795	.01048	13.133
#2	4.2167	.00383	.21285	-.00340	9.9375	.01148	13.176
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	.62274	.57230	.02286	-.00167	-.00561	.08481	.04224
SDev	.00010	.00013	.00006	.00007	.00258	.00109	.00247
%RSD	.01539	.02203	.25784	4.1161	45.929	1.2839	5.8419
#1	.62268	.57239	.02290	-.00162	-.00379	.08558	.04050
#2	.62281	.57222	.02282	-.00171	-.00743	.08404	.04398
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	-.00137	-.02379	.0575	.5645	2.261
SDev	.00428	.00207	.0014	.0007	.006
%RSD	312.09	8.7003	2.401	.1273	.2499
#1	-.00439	-.02526	.0565	.5639	2.257
#2	.00165	-.02233	.0584	.5650	2.265
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	6538	--	--	--	--	--	--
SDev	8.202508	--	--	--	--	--	--
%RSD	.1254544	--	--	--	--	--	--
#1	6532	--	--	--	--	--	--
#2	6544	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLGAVB-0277483 Operator: KT
Run Time: 10/04/00 21:49:13
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00252	.00021	-.00229	.01791	.00211	.00088	-.00019
SDev	.00175	.00133	.00133	.01582	.00010	.00025	.00012
%RSD	69.328	643.09	58.062	88.371	4.7504	28.734	65.839
#1	-.00129	.00115	-.00323	.02910	.00204	.00106	-.00010
#2	-.00376	-.00074	-.00135	.00672	.00218	.00070	-.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	-.00010	.13088	.00029	-.00001	.00150	.05065	.03597
SDev	.00016	.00019	.00010	.00143	.00030	.02496	.00594
%RSD	154.38	.14316	34.771	14442.	20.113	49.278	16.527
#1	-.00021	.13102	.00036	-.00102	.00171	.06829	.04017
#2	.00001	.13075	.00022	.00100	.00129	.03300	.03176
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	.00114	.00123	-.00140	.00006	.21384	.00351	.00404
SDev	.00023	.00000	.00000	.00007	.04233	.00750	.00161
%RSD	20.472	.34826	.04597	125.77	19.795	213.88	39.729
#1	.00131	.00123	-.00140	.00001	.18391	.00881	.00517
#2	.00098	.00123	-.00140	.00011	.24378	-.00180	.00290
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	-.00037	.00640	.01276	-.00224	-.00238	-.00521	-.00118
SDev	.00000	.00000	.00435	.00326	.00255	.00111	.00318
%RSD	.41883	.00464	34.088	145.60	107.34	21.377	269.25
#1	-.00037	.00640	.00969	-.00455	-.00057	-.00600	.00107
#2	-.00037	.00640	.01584	.00007	-.00418	-.00442	-.00343
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	.00652	-.00295	.0031	.0004	.0149
SDev	.00068	.00166	.0000	.0001	.0001
%RSD	10.501	56.233	.0459	28.73	.8447
#1	.00701	-.00177	.0031	.0005	.0150
#2	.00604	-.00412	.0031	.0003	.0148
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	6538	--	--	--	--	--	--
SDev	4.553726	--	--	--	--	--	--
%RSD	.0696508	--	--	--	--	--	--
#1	6535	--	--	--	--	--	--
#2	6541	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLGAVC Operator: KT
Run Time: 10/04/00 21:55:11
ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.45147	1.8345	.45650	1.8055	1.8102	1.8423	.04678
SDev	.00073	.0020	.00138	.0113	.0084	.0044	.00001
%RSD	.16223	.11119	.30308	.62499	.46627	.24024	.01011
#1	.45198	1.8331	.45552	1.8135	1.8042	1.8454	.04678
#2	.45095	1.8359	.45748	1.7975	1.8161	1.8392	.04678
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	.04718	47.777	.18757	.47448	.22613	.96982	45.890
SDev	.00025	.142	.00021	.00036	.00038	.02431	.179
%RSD	.53775	.29777	.10965	.07566	.17017	2.5064	.39104
#1	.04700	47.878	.18743	.47473	.22640	.98701	46.017
#2	.04736	47.677	.18772	.47423	.22586	.95264	45.764
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	.47076	.90559	.46645	.04616	44.817	1.8287	L.00403
SDev	.00062	.00786	.00183	.00003	.164	.0023	.00001
%RSD	.13179	.86767	.39143	.06061	.36522	.12344	.23034
#1	.47120	.90004	.46774	.04618	44.932	1.8271	L.00403
#2	.47032	.91115	.46516	.04614	44.701	1.8303	L.00402
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Low
High	.60000	1.2000	.60000	.06000		2.4000	1.2000
Low	.40000	.80000	.40000	.04000		1.6000	.80000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.46634	.47724	.01267	.45644	.45661	.44984	.45228
SDev	.00056	.00257	.00441	.00229	.00042	.00213	.00003
%RSD	.11965	.53841	34.764	.50092	.09305	.47367	.00758
#1	.46673	.47906	.01579	.45482	.45691	.45135	.45230
#2	.46594	.47543	.00956	.45806	.45631	.44834	.45225
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	1.8240	1.8397	L.0063	L.0021	.0570
sDev	.0005	.0028	.0015	.0000	.0032
%RSD	.02655	.15309	23.94	.5785	5.664
#1	1.8236	1.8378	L.0073	L.0021	.0593
#2	1.8243	1.8417	L.0052	L.0020	.0547
Errors	NOCHECK	NOCHECK	LC Low	LC Low	NOCHECK
High			1.200	1.200	
Low			.8000	.8000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6426	--	--	--	--	--	--
SDev	34.28052	--	--	--	--	--	--
%RSD	.5334527	--	--	--	--	--	--
#1	6402	--	--	--	--	--	--
#2	6450	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLFGE Operator: KT
Run Time: 10/04/00 22:03:16
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05013	L-.01493	.00240	240.18	.03492	1.4131	.00625
SDev	.00014	.00228	.00027	.66	.00214	.0032	.00003
%RSD	.27466	15.246	11.146	.27523	6.1264	.22747	.42418
#1	.05022	L-.01332	.00221	240.65	.03340	1.4108	.00627
#2	.05003	L-.01654	.00259	239.71	.03643	1.4154	.00624
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	-.00226	38.412	.25646	.10494	.22921	285.34	64.863
SDev	.00028	.118	.00071	.00013	.00091	.42	.079
%RSD	12.432	.30634	.27708	.12690	.39508	.14760	.12164
#1	-.00206	38.495	.25697	.10485	.22985	285.63	64.807
#2	-.00246	38.329	.25596	.10503	.22857	285.04	64.919
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	4.6132	.00900	.17879	-.00310	9.1223	.01904	15.676
SDev	.0005	.00172	.00059	.00022	.0139	.00339	.006
%RSD	.01140	19.078	.32911	7.1346	.15276	17.787	.03864
#1	4.6128	.01022	.17837	-.00326	9.1124	.02144	15.671
#2	4.6136	.00779	.17920	-.00295	9.1321	.01665	15.680
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	.56207	.58660	.01488	.00348	.00024	.06794	.04123
SDev	.00132	.00063	.01273	.00074	.00068	.00007	.00024
%RSD	.23486	.10805	85.589	21.338	284.03	.09776	.58104
#1	.56300	.58615	.00587	.00295	.00072	.06790	.04140
#2	.56114	.58704	.02388	.00400	-.00024	.06799	.04106
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	.00860	-.02669	.0412	.4393	1.575
SDev	.00955	.00136	.0002	.0008	.012
%RSD	111.06	5.0849	.3761	.1707	.7594
#1	.01536	-.02764	.0413	.4388	1.584
#2	.00185	-.02573	.0411	.4398	1.567
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	6675	--	--	--	--	--	--
SDev	25.76693	--	--	--	--	--	--
%RSD	.3860203	--	--	--	--	--	--
#1	6657	--	--	--	--	--	--
#2	6693	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: DLFGEP Operator: KT
Run Time: 10/04/00 22:09:14
Comment:
Mode: CONC Corr. Factor: 5

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L.04529	L.00154	L-.01169	240.46	L.01650	1.4553	.00555
SDev	.00419	.00653	.00902	2.22	.01005	.0506	.00064
%RSD	9.2483	424.98	77.119	.92168	60.920	3.4793	11.534
#1	L.04233	L.00615	L-.01807	238.89	L.00939	1.4195	.00600
#2	L.04825	L-.00308	L-.00532	242.02	L.02360	1.4911	.00509
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-.00648	39.813	.26285	.10511	.23273	298.08	66.691
SDev	.00057	.658	.00598	.00090	.00208	3.03	1.970
%RSD	8.7430	1.6536	2.2755	.85779	.89217	1.0178	2.9546
#1	L-.00688	39.348	.25862	.10575	.23127	295.93	65.298
#2	L-.00608	40.279	.26708	.10447	.23420	300.22	68.085
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	4.7923	L.02361	.18428	L-.00264	10.503	L.01166	16.474
SDev	.1568	.00031	.00915	.00106	.310	.01345	.169
%RSD	3.2717	1.2976	4.9681	40.342	2.9549	115.27	1.0258
#1	4.6815	L.02340	.17781	L-.00339	10.723	L.02117	16.355
#2	4.9032	L.02383	.19076	L-.00189	10.284	L.00216	16.594
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	.57423	.59788	L.04733	-.01559	-.00389	.08419	.02587
SDev	.00722	.02027	.02179	.03108	.03518	.01739	.01496
%RSD	1.2573	3.3899	46.039	199.40	904.27	20.653	57.837
#1	.56912	.58354	L.06274	-.03757	.02099	.09649	.01529
#2	.57933	.61221	L.03192	.00639	-.02877	.07190	.03645
Errors	LC Pass	LC Pass	LC Low	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	.02000	.03500	.46000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.02354	-.00945	L.0462	.4495	1.589
SDev	.02758	.00399	.0001	.0163	.022
%RSD	117.17	42.179	.2953	3.624	1.382
#1	.04304	-.01227	L.0463	.4380	1.573
#2	.00404	-.00663	L.0461	.4610	1.604
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	6556	--	--	--	--	--	--
SDev	21.86403	--	--	--	--	--	--
%RSD	.3335179	--	--	--	--	--	--
#1	6540	--	--	--	--	--	--
#2	6571	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: DLFGES Operator: KT
Run Time: 10/04/00 22:15:45
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50353	1.8082	.13081	243.71	1.8325	3.1547	.05380
SDev	.00044	.0005	.00478	.61	.0081	.0053	.00018
%RSD	.08673	.02870	3.6572	.25226	.43952	.16817	.32929
#1	.50322	1.8078	.13419	244.15	1.8382	3.1585	.05393
#2	.50384	1.8086	.12742	243.28	1.8268	3.1509	.05367
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	.04665	84.411	.43510	.57728	.43268	277.36	108.53
SDev	.00077	.197	.00084	.00266	.00115	.53	.21
%RSD	1.6592	.23347	.19293	.46041	.26549	.19160	.18897
#1	.04720	84.551	.43569	.57916	.43349	277.74	108.67
#2	.04610	84.272	.43451	.57540	.43186	276.98	108.38
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	5.0567	.89323	.64166	.04374	56.479	1.8564	14.592
SDev	.0068	.00237	.00112	.00028	.113	.0138	.013
%RSD	.13374	.26550	.17381	.63558	.20074	.74092	.09227
#1	5.0615	.89156	.64087	.04355	56.559	1.8661	14.601
#2	5.0519	.89491	.64245	.04394	56.398	1.8467	14.582
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	1.0126	1.0435	.01844	.13298	.12646	.52338	.49362
SDev	.0019	.0012	.00856	.00291	.00853	.00120	.00006
%RSD	.19157	.11599	46.388	2.1907	6.7460	.22918	.01133
#1	1.0140	1.0444	.02449	.13504	.13250	.52253	.49358
#2	1.0112	1.0427	.01239	.13092	.12043	.52423	.49366
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
ge	1.8139	1.8054	.0463	.4302	5.906
SDev	.0072	.0044	.0013	.0006	.022
%RSD	.39520	.24133	2.753	.1357	.3763
#1	1.8189	1.8023	.0454	.4306	5.890
#2	1.8088	1.8085	.0472	.4298	5.921
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	6668	--	--	--	--	--	--
SDev	21.69382	--	--	--	--	--	--
%RSD	.3253470	--	--	--	--	--	--
#1	6653	--	--	--	--	--	--
#2	6683	--	--	--	--	--	--

Analysis Report 10/04/00 10:29:45 PM page 1

Method: QTESTNAK Sample Name: CCVT Operator: KT
Run Time: 10/04/00 22:23:51
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49965	.50270	.49878	24.562	.49403	2.0301	2.0540
SDev	.00062	.00344	.00005	.037	.00212	.0021	.0009
%RSD	.12479	.68484	.01007	.15227	.42980	.10412	.04526
#1	.50010	.50027	.49875	24.589	.49253	2.0316	2.0547
#2	.49921	.50514	.49882	24.536	.49553	2.0286	2.0534
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	.50707	102.04	2.0377	2.0259	1.9914	25.584	100.22
SDev	.00113	.03	.0009	.0026	.0033	.010	.12
%RSD	.22207	.02685	.04579	.12808	.16750	.04097	.11539
#1	.50627	102.06	2.0384	2.0278	1.9938	25.591	100.30
#2	.50786	102.02	2.0371	2.0241	1.9891	25.576	100.14
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	2.0366	2.0121	2.0323	.99713	50.088	.98053	2.0373
SDev	.0014	.0111	.0039	.00087	.186	.00209	.0031
%RSD	.06764	.54994	.19098	.08754	.37145	.21284	.15295
#1	2.0376	2.0042	2.0351	.99775	50.220	.98201	2.0351
#2	2.0357	2.0199	2.0296	.99652	49.957	.97906	2.0396
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	2.0403	2.0332	1.9554	.49525	.50586	.50048	.49924
SDev	.0014	.0026	.0063	.00204	.00424	.00176	.00006
%RSD	.06716	.12999	.32036	.41201	.83777	.35110	.01154
#1	2.0413	2.0350	1.9599	.49669	.50286	.50172	.49928
#2	2.0394	2.0313	1.9510	.49381	.50885	.49924	.49920
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	.50276	.50267	1.974	2.052	2.007
SDev	.00903	.00065	.006	.003	.001
%RSD	1.7971	.12947	.2886	.1362	.0643
#1	.49638	.50221	1.970	2.054	2.008
#2	.50915	.50313	1.978	2.050	2.006
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	6325	--	--	--	--	--	--
SDev	5.770102	--	--	--	--	--	--
%RSD	.0912292	--	--	--	--	--	--
#1	6321	--	--	--	--	--	--
#2	6329	--	--	--	--	--	--

Analysis Report QC Standard 10/04/00 10:37:50 PM page 1

Method: QTESTNAK Sample Name: CCBT. Operator: KT
Run Time: 10/04/00 22:31:56
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00127	.00077	-.00066	-.01795	-.00249	-.00001	.00008
SDev	.00131	.00082	.00001	.00207	.00385	.00000	.00000
%RSD	103.22	106.90	1.0715	11.549	154.77	.82960	.56584
#1	-.00034	.00134	-.00067	-.01941	.00023	-.00001	.00008
#2	-.00219	.00019	-.00066	-.01648	-.00521	-.00001	.00008
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.00500	.06000	.20000	.01000	.02000	.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00009	.01938	.00024	-.00000	-.00007	.00237	-.00017
SDev	.00002	.00003	.00020	.00000	.00030	.01249	.00198
%RSD	23.785	.16634	84.796	46.869	400.83	526.84	1156.4
#1	.00011	.01940	.00038	-.00000	.00014	.01120	-.00157
#2	.00008	.01935	.00009	-.00000	-.00028	-.00646	.00123
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	.00378	.00045	-.00010	.16711	.00033	.00091
SDev	.00000	.00000	.00000	.00014	.00002	.00017	.00040
%RSD	.82960	.06031	.04101	148.65	.01049	52.479	44.253
#1	-.00001	.00378	.00045	.00000	.16710	.00021	.00120
#2	-.00001	.00378	.00045	-.00020	.16712	.00045	.00063
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	-.00070	-.00008	.00346	.00075	-.00348	-.00424	.00022
SDev	.00048	.00000	.00000	.00015	.00032	.00041	.00216
%RSD	68.409	2.2113	.08372	20.083	9.2488	9.5688	979.03
#1	-.00104	-.00008	.00346	.00085	-.00371	-.00453	.00175
#2	-.00036	-.00008	.00347	.00064	-.00325	-.00396	-.00131
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	.00333	-.00051	.0021	<.0000	.0013
SDev	.00354	.00054	.0015	.0000	.0007
%RSD	106.25	104.81	69.83	.0000	53.19
#1	.00583	-.00090	.0011	<.0000	.0018
#2	.00083	-.00013	.0031	<.0000	.0008
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	6495	--	--	--	--	--	--
SDev	1.300966	--	--	--	--	--	--
%RSD	.0200296	--	--	--	--	--	--
#1	6494	--	--	--	--	--	--
#2	6496	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLFGED Operator: KT
Run Time: 10/04/00 22:37:54
mment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.51790	1.8437	.13041	256.48	1.8701	3.2671	.05549
SDev	.00056	.0096	.00030	.27	.0034	.0007	.00001
%RSD	.10866	.52273	.22711	.10528	.18004	.02262	.01105
#1	.51830	1.8369	.13020	256.68	1.8725	3.2666	.05549
#2	.51750	1.8505	.13062	256.29	1.8677	3.2676	.05548
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	.04759	88.803	.46149	.59782	.45271	299.60	115.18
SDev	.00042	.057	.00055	.00213	.00073	.03	.02
%RSD	.89060	.06367	.11833	.35622	.16053	.00858	.01717
#1	.04729	88.843	.46187	.59933	.45322	299.62	115.16
#2	.04788	88.763	.46110	.59632	.45220	299.58	115.19
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	5.3490	.91271	.67875	.04474	58.241	1.9083	15.423
SDev	.0009	.00021	.00152	.00004	.117	.0108	.000
%RSD	.01622	.02264	.22385	.09243	.20071	.56651	.00007
#1	5.3484	.91286	.67982	.04471	58.324	1.9007	15.423
#2	5.3496	.91257	.67768	.04477	58.159	1.9160	15.423
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	1.0572	1.0919	.01764	.13092	.12937	.54005	.50684
SDev	.0009	.0013	.00861	.00241	.00572	.00287	.00059
%RSD	.08368	.11552	48.793	1.8407	4.4185	.53077	.11589
#1	1.0566	1.0910	.01156	.13263	.12533	.54208	.50643
#2	1.0578	1.0928	.02373	.12922	.13341	.53802	.50726
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	1.8380	1.8466	.0480	.4588	6.917
SDev	.0086	.0102	.0001	.0003	.040
%RSD	.46643	.55070	.2187	.0598	.5787
#1	1.8320	1.8394	.0480	.4586	6.888
#2	1.8441	1.8538	.0479	.4590	6.945
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	6575	--	--	--	--	--	--
SDev	14.70768	--	--	--	--	--	--
%RSD	.2236842	--	--	--	--	--	--
#1	6565	--	--	--	--	--	--
#2	6586	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLFGQ Operator: KT
Run Time: 10/04/00 22:46:00
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04948	L-.01139	-.00244	222.58	.02321	1.1872	.00607
SDev	.00061	.00029	.00315	.01	.00013	.0006	.00003
%RSD	1.2413	2.5396	129.19	.00229	.54051	.05070	.41552
#1	.04905	L-.01119	-.00467	222.58	.02312	1.1876	.00609
#2	.04992	L-.01160	-.00021	222.58	.02329	1.1868	.00605
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	-.00280	37.942	.24513	.09942	.20712	266.84	57.772
SDev	.00133	.014	.00007	.00018	.00039	.06	.088
%RSD	47.716	.03603	.02722	.18005	.18707	.02397	.15303
#1	-.00374	37.952	.24508	.09929	.20685	266.89	57.834
#2	-.00185	37.932	.24518	.09954	.20740	266.80	57.709
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.5948	.00933	.17455	-.00307	8.1053	.01126	14.436
SDev	.0016	.00528	.00065	.00008	.0163	.00801	.014
%RSD	.02942	56.556	.37006	2.6716	.20157	71.142	.10013
#1	5.5960	.01306	.17501	-.00313	8.1169	.00560	14.426
#2	5.5937	.00560	.17409	-.00301	8.0938	.01693	14.446
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	.51205	.55548	.02244	-.00368	.00004	.06995	.03926
SDev	.00056	.00143	.00441	.00525	.00104	.00295	.00055
%RSD	.10964	.25757	19.673	142.61	2533.6	4.2139	1.4028
#1	.51244	.55649	.02556	-.00739	.00078	.06787	.03965
#2	.51165	.55447	.01932	.00003	-.00070	.07204	.03887
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	.00658	-.02036	.0430	.4064	1.701
SDev	.00269	.00091	.0013	.0002	.044
%RSD	40.914	4.4723	3.005	.0484	2.560
#1	.00849	-.02101	.0420	.4065	1.732
#2	.00468	-.01972	.0439	.4063	1.671
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	6560	--	--	--	--	--	--
SDev	24.21150	--	--	--	--	--	--
%RSD	.3690530	--	--	--	--	--	--
#1	6543	--	--	--	--	--	--
#2	6578	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLFGV Operator: KT
Run Time: 10/04/00 22:51:58
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04967	L-.00624	-.00114	186.39	.01622	1.1165	.00547
SDev	.00194	.00335	.00125	.42	.00123	.0059	.00001
%RSD	3.9040	53.759	109.03	.22619	7.5777	.52988	.13151
#1	.04830	-.00387	-.00026	186.09	.01535	1.1123	.00547
#2	.05104	L-.00861	-.00203	186.69	.01709	1.1207	.00546
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	-.00223	25.867	.22584	.09235	.31421	211.94	40.442
SDev	.00054	.068	.00104	.00131	.00026	.36	.188
%RSD	24.195	.26376	.46233	1.4161	.08313	.17012	.46393
#1	-.00261	25.819	.22510	.09143	.31403	211.68	40.309
#2	-.00185	25.916	.22658	.09328	.31439	212.19	40.574
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	5.9582	.01253	.13329	-.00266	6.2707	.00787	14.286
SDev	.0312	.00004	.00080	.00014	.0247	.00057	.008
%RSD	.52398	.35420	.59674	5.3341	.39399	7.2962	.05889
#1	5.9362	.01250	.13385	-.00276	6.2532	.00828	14.292
#2	5.9803	.01256	.13272	-.00256	6.2882	.00747	14.280
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	.43585	.46138	.00916	-.00231	.00120	.06463	.04220
SDev	.00094	.00172	.00869	.00042	.00290	.00043	.00269
%RSD	.21592	.37303	94.868	18.319	241.70	.66476	6.3806
#1	.43518	.46017	.00301	-.00201	.00325	.06433	.04030
#2	.43651	.46260	.01530	-.00261	-.00085	.06493	.04411
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	-.00572	-.00650	.0360	.3018	1.939
SDev	.00066	.00470	.0000	.0015	.004
%RSD	11.547	72.328	.1022	.4867	.1834
#1	-.00526	-.00317	.0360	.3007	1.942
#2	-.00619	-.00982	.0360	.3028	1.937
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6529	--	--	--	--	--	--
SDev	6.873230	--	--	--	--	--	--
%RSD	.1052797	--	--	--	--	--	--
#1	6524	--	--	--	--	--	--
#2	6533	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLFHQ Operator: KT
Run Time: 10/04/00 22:57:56
ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04765	L-.01652	.00380	204.38	.01795	1.0057	.00487
SDev	.00157	.00343	.00401	.21	.00122	.0027	.00002
%RSD	3.3000	20.773	105.63	.10286	6.8054	.26646	.31679
#1	.04654	L-.01895	.00096	204.53	.01709	1.0038	.00488
#2	.04876	L-.01409	.00663	204.23	.01882	1.0076	.00486
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	-.00069	27.583	.21152	.09273	.22779	221.47	47.448
SDev	.00037	.025	.00020	.00037	.00031	.02	.110
%RSD	54.449	.09029	.09582	.39916	.13575	.00730	.23131
#1	-.00042	27.601	.21137	.09299	.22801	221.48	47.371
#2	-.00095	27.566	.21166	.09247	.22757	221.46	47.526
rrors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
igh	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.8839	.00692	.12960	-.00291	6.5724	.00229	14.109
SDev	.0111	.00003	.00028	.00006	.0331	.00332	.023
%RSD	.22779	.48881	.21984	2.0976	.50298	145.29	.15975
#1	4.8760	.00690	.12940	-.00287	6.5957	-.00006	14.093
#2	4.8917	.00695	.12980	-.00296	6.5490	.00463	14.125
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.47135	.46503	.00828	.00361	.00416	.06080	.04108
SDev	.00185	.00019	.00811	.00574	.00055	.00295	.00088
%RSD	.39326	.04023	97.941	158.73	13.209	4.8552	2.1508
#1	.47004	.46490	.00255	-.00044	.00377	.05872	.04045
#2	.47266	.46517	.01402	.00767	.00455	.06289	.04170
rrors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
ge	-.01030	-.01963	.0337	.3287	1.998
SDev	.00275	.00377	.0001	.0009	.012
%RSD	26.677	19.227	.2429	.2904	.5847
#1	-.01224	-.02230	.0337	.3280	2.006
#2	-.00836	-.01696	.0336	.3294	1.989
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	6992	--	--	--	--	--	--
SDev	17.53646	--	--	--	--	--	--
%RSD	.2508046	--	--	--	--	--	--
#1	6980	--	--	--	--	--	--
#2	7004	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLFHX Operator: KT
Run Time: 10/04/00 23:03:53
ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04506	L-.00654	-.00103	194.84	.01537	1.0180	.00545
SDev	.00061	.00146	.00106	.37	.00085	.0020	.00014
%RSD	1.3509	22.379	102.74	.18889	5.5038	.19744	2.6068
#1	.04549	L-.00758	-.00028	195.10	.01477	1.0194	.00555
#2	.04462	L-.00551	-.00177	194.58	.01596	1.0166	.00535
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	-.00028	22.657	.21302	.08785	.20747	205.77	40.188
SDev	.00078	.040	.00017	.00119	.00074	.06	.104
%RSD	274.63	.17692	.08197	1.3547	.35545	.03044	.25775
#1	.00027	22.629	.21290	.08869	.20799	205.82	40.261
#2	-.00084	22.686	.21315	.08701	.20694	205.73	40.115
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	4.9050	.00890	.12887	-.00286	5.3145	.00931	14.326
SDev	.0030	.00162	.00183	.00001	.1054	.00407	.024
%RSD	.06192	18.184	1.4234	.43053	1.9833	43.722	.16857
#1	4.9028	.01005	.13017	-.00287	5.3890	.01219	14.343
#2	4.9071	.00776	.12757	-.00285	5.2399	.00643	14.308
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	.42986	.45201	.02596	-.00130	-.00047	.05845	.03837
SDev	.00167	.00128	.00009	.00008	.00333	.00114	.00148
%RSD	.38836	.28299	.36297	6.1694	705.85	1.9439	3.8570
#1	.43104	.45110	.02603	-.00136	.00188	.05765	.03941
#2	.42868	.45291	.02590	-.00125	-.00283	.05926	.03732
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	.00268	-.01115	.0345	.2877	2.005
SDev	.00641	.00540	.0012	.0005	.011
%RSD	239.05	48.412	3.456	.1672	.5458
#1	.00722	-.01496	.0337	.2881	2.013
#2	-.00185	-.00733	.0354	.2874	1.998
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	7009	--	--	--	--	--	--
SDev	33.31895	--	--	--	--	--	--
%RSD	.4753956	--	--	--	--	--	--
#1	6985	--	--	--	--	--	--
#2	7032	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLFJ4 Operator: KT
Run Time: 10/04/00 23:09:52
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04053	L-.00525	-.00033	141.86	.01612	1.0417	.00434
SDev	.00127	.00302	.00293	.17	.00333	.0016	.00009
%RSD	3.1253	57.499	900.11	.11916	20.650	.15832	2.1329
#1	.03963	-.00311	-.00239	141.98	.01376	1.0429	.00428
#2	.04143	L-.00738	.00174	141.74	.01847	1.0406	.00441
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	-.00003	24.381	.17369	.08096	.36648	163.96	31.613
SDev	.00022	.018	.00020	.00019	.00043	.10	.030
%RSD	867.26	.07587	.11611	.23298	.11674	.05956	.09591
#1	-.00018	24.368	.17354	.08082	.36678	163.89	31.635
#2	.00013	24.394	.17383	.08109	.36618	164.03	31.592
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	5.1150	.00825	.11043	-.00236	5.1529	.00523	12.658
SDev	.0040	.00004	.00105	.00021	.0368	.00486	.008
%RSD	.07874	.46391	.95575	8.7721	.71502	92.970	.06251
#1	5.1122	.00823	.11118	-.00250	5.1790	.00867	12.652
#2	5.1179	.00828	.10969	-.00221	5.1269	.00179	12.663
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	.35053	.37301	.02254	-.00140	.00184	.05146	.03507
SDev	.00018	.00163	.00813	.00530	.00183	.00046	.00213
%RSD	.05113	.43752	36.054	377.48	99.452	.88401	6.0625
#1	.35066	.37416	.02829	-.00515	.00313	.05178	.03357
#2	.35041	.37186	.01679	.00234	.00054	.05114	.03658
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
rge	.00013	-.00793	.0296	.3128	2.061
sDev	.00247	.00329	.0001	.0004	.016
%RSD	1919.5	41.498	.3911	.1240	.7691
#1	.00187	-.00560	.0296	.3130	2.072
#2	-.00162	-.01026	.0295	.3125	2.050
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	7057	--	--	--	--	--	--
SDev	28.62367	--	--	--	--	--	--
%RSD	.4056298	--	--	--	--	--	--
#1	7036	--	--	--	--	--	--
#2	7077	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: DLFJA Operator: KT
Run Time: 10/04/00 23:15:50
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05550	L-.01364	-.00500	250.46	.01928	1.3323	.00690
SDev	.00046	.00452	.00249	.19	.00076	.0036	.00028
%RSD	.82476	33.126	49.769	.07580	3.9502	.27308	4.0020
#1	.05518	L-.01684	-.00677	250.60	.01874	1.3348	.00709
#2	.05583	L-.01045	-.00324	250.33	.01981	1.3297	.00670
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	.00043	24.237	.22632	.08679	.17625	231.07	45.508
SDev	.00023	.060	.00007	.00064	.00091	.23	.061
%RSD	53.440	.24889	.02975	.73977	.51698	.09875	.13394
#1	.00027	24.195	.22628	.08724	.17689	230.91	45.551
#2	.00059	24.280	.22637	.08633	.17561	231.23	45.465
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	4.2606	.00860	.12862	-.00231	7.7250	-.00009	14.042
SDev	.0120	.00510	.00066	.00001	.1241	.00664	.009
%RSD	.28166	59.226	.51419	.43614	1.6061	7446.8	.06234
#1	4.2522	.01221	.12909	-.00232	7.8128	-.00478	14.036
#2	4.2691	.00500	.12815	-.00230	7.6373	.00460	14.048
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	.50139	.45393	.01951	-.00796	.00092	.07361	.04646
SDev	.00007	.00191	.00010	.00410	.00073	.00225	.00181
%RSD	.01477	.42101	.49970	51.478	79.427	3.0588	3.8965
#1	.50134	.45258	.01958	-.01086	.00143	.07520	.04518
#2	.50145	.45528	.01944	-.00506	.00040	.07202	.04774
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	-.00632	-.01730	.0548	.3622	1.567
·Dev	.00295	.00530	.0025	.0004	.017
%RSD	46.734	30.643	4.635	.0985	1.105
#1	-.00841	-.02105	.0530	.3625	1.579
#2	-.00423	-.01355	.0566	.3620	1.555
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	6741	--	--	--	--	--	--
SDev	34.53498	--	--	--	--	--	--
%RSD	.5122958	--	--	--	--	--	--
#1	6717	--	--	--	--	--	--
#2	6766	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLFJD Operator: KT
Run Time: 10/04/00 23:21:47
mment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04777	L-.01918	-.00462	218.36	.01551	1.4945	.00613
SDev	.00257	.00148	.00150	.15	.00124	.0044	.00015
%RSD	5.3746	7.7440	32.451	.07031	7.9680	.29437	2.5031
#1	.04596	L-.02023	-.00568	218.25	.01463	1.4914	.00624
#2	.04959	L-.01813	-.00356	218.47	.01638	1.4976	.00602
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	.00102	25.414	.20458	.10226	.30834	221.30	46.590
SDev	.00042	.132	.00296	.00134	.00156	.49	.203
%RSD	40.689	.51855	1.4487	1.3117	.50530	.22034	.43584
#1	.00073	25.321	.20249	.10131	.30944	220.95	46.447
#2	.00131	25.507	.20668	.10321	.30724	221.64	46.734
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	4.6109	.00769	.11987	-.00311	8.6846	-.00081	14.444
SDev	.0339	.00504	.00065	.00015	.0486	.00646	.008
%RSD	.73499	65.548	.54448	4.7848	.55983	795.62	.05831
#1	4.5870	.01126	.11941	-.00322	8.6502	-.00538	14.438
#2	4.6349	.00413	.12033	-.00301	8.7190	.00376	14.450
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	.46806	.43963	.01413	-.00812	.00239	.06576	.03879
SDev	.00117	.00269	.01685	.00262	.00074	.00068	.00419
%RSD	.24997	.61249	119.21	32.249	31.080	1.0258	10.792
#1	.46723	.43772	.02604	-.00997	.00292	.06624	.03583
#2	.46889	.44153	.00222	-.00627	.00187	.06528	.04175
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	-.00812	-.02470	.0357	.3788	1.746
sDev	.00317	.00381	.0012	.0014	.006
%RSD	39.042	15.425	3.431	.3726	.3705
#1	-.00588	-.02739	.0348	.3778	1.741
#2	-.01036	-.02200	.0365	.3798	1.750
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6779	--	--	--	--	--	--
SDev	34.25221	--	--	--	--	--	--
%RSD	.5052500	--	--	--	--	--	--
#1	6755	--	--	--	--	--	--
#2	6803	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: DLFJK Operator: KT
Run Time: 10/04/00 23:27:45
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06572	L-.01458	-.00299	203.17	.01933	1.4157	.00568
SDev	.00077	.00136	.00291	.24	.00119	.0052	.00007
%RSD	1.1762	9.3048	97.237	.12034	6.1587	.36398	1.2190
#1	.06517	L-.01362	-.00505	203.35	.02017	1.4194	.00563
#2	.06626	L-.01554	-.00093	203.00	.01849	1.4121	.00573
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	.00093	34.916	.22496	.09810	.21176	228.62	51.437
SDev	.00001	.034	.00005	.00029	.00099	.06	.077
%RSD	.86773	.09824	.02186	.29457	.46963	.02532	.14884
#1	.00092	34.892	.22500	.09830	.21246	228.58	51.491
#2	.00094	34.940	.22493	.09790	.21106	228.66	51.383
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	4.7535	.00627	.14443	-.00260	9.9091	.00141	14.330
SDev	.0055	.00157	.00042	.00002	.0181	.00060	.003
%RSD	.11488	25.045	.29288	.64526	.18312	42.577	.01899
#1	4.7496	.00739	.14473	-.00261	9.9219	.00099	14.328
#2	4.7573	.00516	.14413	-.00259	9.8963	.00184	14.332
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	.46847	.48730	.01977	-.00657	.00417	.08299	.05710
SDev	.00037	.00015	.00012	.00443	.00013	.00036	.00098
%RSD	.07919	.03028	.62874	67.407	3.1470	.43294	1.7156
#1	.46873	.48740	.01986	-.00970	.00426	.08273	.05640
#2	.46821	.48719	.01969	-.00344	.00408	.08324	.05779
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	-.00947	-.01713	.0389	.4227	2.363
SDev	.00434	.00013	.0011	.0012	.004
%RSD	45.795	.76996	2.828	.2930	.1530
#1	-.00641	-.01723	.0382	.4236	2.366
#2	-.01254	-.01704	.0397	.4218	2.361
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	6902	--	--	--	--	--	--
SDev	49.63869	--	--	--	--	--	--
%RSD	.7191741	--	--	--	--	--	--
#1	6867	--	--	--	--	--	--
#2	6937	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: DLFJN Operator: KT
Run Time: 10/04/00 23:33:43
ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04780	L-.01812	-.00109	226.34	.02676	1.3007	.00576
SDev	.00012	.00568	.00300	.20	.00194	.0008	.00004
%RSD	.25313	31.368	274.50	.08724	7.2317	.06508	.75419
#1	.04789	L-.02214	-.00321	226.48	.02813	1.3013	.00580
#2	.04772	L-.01410	.00103	226.20	.02539	1.3001	.00573
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	.00110	47.727	.21807	.09754	.18843	267.37	66.208
SDev	.00001	.083	.00001	.00043	.00125	.34	.011
%RSD	1.0437	.17449	.00214	.43906	.66402	.12793	.01709
#1	.00111	47.668	.21806	.09723	.18931	267.13	66.200
#2	.00109	47.786	.21807	.09784	.18754	267.62	66.216
rrors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
igh	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.2862	.00808	.15822	-.00340	9.8977	-.00340	15.399
SDev	.0119	.00484	.00139	.00018	.1474	.00323	.000
%RSD	.27791	59.906	.87624	5.2815	1.4891	94.969	.00274
#1	4.2778	.01150	.15724	-.00327	10.002	-.00568	15.399
#2	4.2946	.00466	.15920	-.00353	9.7935	-.00112	15.398
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	.55234	.51162	.01499	-.00222	.00117	.06605	.03869
SDev	.00072	.00126	.01227	.00768	.00638	.00166	.00065
%RSD	.13109	.24618	81.835	346.14	547.73	2.5179	1.6771
#1	.55285	.51073	.02367	-.00765	.00568	.06723	.03823
#2	.55183	.51251	.00632	.00321	-.00335	.06487	.03915
rrors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.01666	-.01885	.0317	.5304	2.161
SDev	.00293	.00998	.0002	.0003	.012
%RSD	17.584	52.977	.6414	.0475	.5701
#1	-.01459	-.02591	.0318	.5303	2.170
#2	-.01874	-.01179	.0315	.5306	2.153
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	7007	--	--	--	--	--	--
SDev	46.49918	--	--	--	--	--	--
%RSD	.6636142	--	--	--	--	--	--
#1	6974	--	--	--	--	--	--
#2	7040	--	--	--	--	--	--

Method: QTESTNAK Sample Name: CCVT Operator: KT
Run Time: 10/04/00 23:39:42
ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49070	.49738	.49912	25.018	.49221	2.0569	1.9761
SDev	.00099	.00145	.00200	.065	.00517	.0023	.0014
%RSD	.20264	.29207	.40073	.26070	1.0512	.10942	.07097
#1	.48999	.49635	.50054	25.064	.48855	2.0585	1.9771
#2	.49140	.49840	.49771	24.972	.49587	2.0553	1.9751
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	.49310	96.870	1.9548	1.9637	2.0443	24.689	99.980
SDev	.00038	.197	.0018	.0036	.0043	.015	.152
%RSD	.07663	.20352	.09259	.18147	.21090	.06056	.15214
#1	.49283	97.009	1.9561	1.9662	2.0474	24.679	100.09
#2	.49337	96.731	1.9536	1.9612	2.0413	24.700	99.873
rrors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
igh	.55000	110.00	2.2000	2.2000	2.2000	27.500	110.00
Low	.45000	90.000	1.8000	1.8000	1.8000	22.500	90.000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.9662	1.9694	1.9825	.97799	51.381	.98654	2.0001
SDev	.0014	.0087	.0000	.00255	.170	.00663	.0019
%RSD	.06964	.44117	.00145	.26073	.33009	.67205	.09690
#1	1.9672	1.9633	1.9825	.97980	51.501	.99123	2.0015
#2	1.9652	1.9756	1.9825	.97619	51.261	.98185	1.9987
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	1.9816	1.9588	1.9384	.49673	.50392	.48757	.49226
SDev	.0005	.0042	.0214	.00408	.00216	.00170	.00234
%RSD	.02358	.21489	1.1043	.82105	.42916	.34825	.47505
#1	1.9813	1.9617	1.9535	.49961	.50239	.48877	.49060
#2	1.9820	1.9558	1.9233	.49384	.50545	.48637	.49391
rrors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	2.2000	2.2000	2.2000				
Low	1.8000	1.8000	1.8000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
ge	.50149	.49532	1.960	2.059	2.005
SDev	.00689	.00126	.006	.004	.002
%RSD	1.3747	.25516	.3148	.1841	.0799
#1	.49662	.49622	1.956	2.062	2.006
#2	.50636	.49443	1.965	2.056	2.004
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	6851	--	--	--	--	--	--
SDev	17.14043	--	--	--	--	--	--
%RSD	.2501903	--	--	--	--	--	--
#1	6839	--	--	--	--	--	--
#2	6863	--	--	--	--	--	--

Method: QTESTNAK Sample Name: CCBT, Operator: KT
Run Time: 10/04/00 23:47:48
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00067	-.00072	.00066	.00815	.00071	-.00020	.00020
SDev	.00076	.00036	.00139	.00260	.00311	.00023	.00000
%RSD	112.85	49.399	209.39	31.870	439.24	115.97	.23261
#1	-.00121	-.00097	-.00032	.00631	-.00149	-.00037	.00020
#2	-.00014	-.00047	.00164	.00998	.00291	-.00004	.00020
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	.00015	.00716	.00013	-.00047	-.00022	.00070	.00034
SDev	.00031	.00002	.00009	.00066	.00027	.00859	.00003
%RSD	200.28	.22595	73.036	140.61	123.30	1219.0	8.4989
#1	.00037	.00717	.00019	-.00000	-.00041	.00678	.00036
#2	-.00006	.00715	.00006	-.00094	-.00003	-.00537	.00032
rors	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	-.00019	.00222	-.00005	-.00003	.11112	.00338	.00102
SDev	.00022	.00166	.00182	.00007	.04199	.00634	.00037
%RSD	115.97	74.821	3898.6	252.75	37.790	187.27	36.461
#1	-.00034	.00339	-.00133	.00002	.14081	-.00110	.00128
#2	-.00003	.00104	.00124	-.00007	.08143	.00787	.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	-.00010	-.00033	-.00129	.00025	.00149	-.00152	-.00025
SDev	.00044	.00001	.01616	.00253	.00090	.00188	.00208
%RSD	429.51	2.4421	1247.9	1004.2	60.792	124.02	822.87
#1	-.00041	-.00033	-.01272	-.00154	.00212	-.00019	-.00172
#2	.00021	-.00034	.01013	.00204	.00085	-.00285	.00122
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	-.00071	-.00073	.0011	<.0000	.0060
SDev	.00196	.00151	.0000	.0000	.0019
%RSD	274.38	208.16	.0000	.0000	31.22
#1	.00067	-.00180	.0011	<.0000	.0074
#2	-.00210	.00034	.0011	<.0000	.0047
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	7037	--	--	--	--	--	--
SDev	.7637306	--	--	--	--	--	--
%RSD	.0108526	--	--	--	--	--	--
#1	7037	--	--	--	--	--	--
#2	7038	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLFJQ Operator: KT
Run Time: 10/04/00 23:53:46
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05288	L-.02715	-.00079	301.31	.02206	.97365	.00741
SDev	.00312	.00437	.00374	.08	.00124	.00225	.00006
%RSD	5.8939	16.091	472.74	.02751	5.6125	.23149	.82100
#1	.05068	L-.02406	-.00343	301.37	.02293	.97205	.00745
#2	.05509	L-.03024	.00185	301.25	.02118	.97524	.00736
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	.00271	44.806	.28774	.10632	.20752	318.80	79.194
SDev	.00012	.137	.00009	.00027	.00064	.36	.231
%RSD	4.3721	.30504	.03058	.25326	.30785	.11324	.29165
#1	.00279	44.709	.28767	.10613	.20797	318.54	79.031
#2	.00262	44.902	.28780	.10651	.20707	319.05	79.358
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.4473	.00419	.19332	-.00347	12.591	-.00166	16.702
SDev	.0216	.00665	.00049	.00025	.048	.00127	.017
%RSD	.48480	158.63	.25620	7.3107	.38370	76.444	.09945
#1	4.4321	.00889	.19297	-.00329	12.625	-.00256	16.690
#2	4.4626	-.00051	.19367	-.00365	12.557	-.00076	16.713
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	.65594	.60909	.01551	-.00118	-.00002	.07084	.04392
SDev	.00102	.00258	.00014	.00737	.00355	.00122	.00528
%RSD	.15503	.42355	.91116	627.05	19173.	1.7219	12.027
#1	.65522	.60726	.01561	-.00639	.00249	.07170	.04018
#2	.65666	.61091	.01541	.00404	-.00253	.06998	.04765
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
rge	-.01194	-.03474	.0574	.5349	2.001
Dev	.00914	.00198	.0010	.0015	.015
%RSD	76.585	5.7122	1.729	.2873	.7675
#1	-.00547	-.03334	.0567	.5339	1.990
#2	-.01840	-.03614	.0581	.5360	2.011
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	6783	--	--	--	--	--	--
SDev	48.81833	--	--	--	--	--	--
%RSD	.7197585	--	--	--	--	--	--
#1	6748	--	--	--	--	--	--
#2	6817	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLFJV Operator: KT
Run Time: 10/04/00 23:59:44
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.14676	-.00351	.00088	119.54	.03527	.99019	.00409
SDev	.00063	.00349	.00146	.31	.00525	.00307	.00014
%RSD	.42678	99.558	164.98	.25537	14.880	.31019	3.3390
#1	.14632	-.00104	-.00015	119.75	.03899	.98802	.00419
#2	.14720	L-.00598	.00192	119.32	.03156	.99236	.00400
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	.00062	25.436	.15360	.10439	.24995	145.25	27.262
SDev	.00031	.056	.00065	.00066	.00095	.23	.105
%RSD	50.236	.22153	.42032	.63470	.37872	.15878	.38526
#1	.00084	25.396	.15314	.10392	.25062	145.09	27.188
#2	.00040	25.475	.15406	.10486	.24928	145.41	27.337
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	3.6190	.00511	.09210	-.00205	5.5485	.00238	10.201
SDev	.0204	.00161	.00078	.00006	.1055	.00439	.022
%RSD	.56488	31.400	.84742	2.9034	1.9011	184.01	.21305
#1	3.6045	.00625	.09155	-.00201	5.6231	-.00072	10.186
#2	3.6334	.00398	.09266	-.00210	5.4739	.00549	10.217
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	.31796	.37594	.02430	.00059	.00147	.15703	.14164
SDev	.00028	.00307	.00009	.00178	.00082	.00028	.00080
%RSD	.08845	.81725	.37424	300.52	55.819	.17990	.56343
#1	.31816	.37377	.02436	-.00067	.00089	.15683	.14107
#2	.31776	.37811	.02424	.00185	.00205	.15723	.14220
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	-.00727	-.00163	.0270	.3303	1.840
SDev	.01101	.00026	.0015	.0009	.005
%RSD	151.52	16.079	5.492	.2626	.2836
#1	.00052	-.00182	.0280	.3297	1.844
#2	-.01505	-.00144	.0259	.3309	1.837
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	6984	--	--	--	--	--	--
SDev	33.43186	--	--	--	--	--	--
%RSD	.4786592	--	--	--	--	--	--
#1	6961	--	--	--	--	--	--
#2	7008	--	--	--	--	--	--

Analysis Report 10/05/00 00:13:44 AM page 1

Method: QTESTNAK Sample Name: DL~~K~~F K0 kr 10/05/00 Operator: KT
Run Time: 10/05/00 00:07:50
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05843	L-.02416	-.00144	245.33	.03155	1.8834	.00633
SDev	.00207	.00370	.00100	.46	.00034	.0019	.00014
%RSD	3.5504	15.333	69.690	.18723	1.0649	.10050	2.2559
#1	.05990	L-.02154	-.00073	245.66	.03132	1.8848	.00643
#2	.05696	L-.02678	-.00215	245.01	.03179	1.8821	.00623
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	.00071	47.695	.25420	.10918	.31420	296.77	75.129
SDev	.00059	.046	.00045	.00055	.00072	.04	.034
%RSD	82.771	.09643	.17737	.50096	.22957	.01209	.04466
#1	.00113	47.662	.25388	.10957	.31471	296.75	75.153
#2	.00030	47.727	.25452	.10879	.31369	296.80	75.106
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	4.3912	.00744	.18942	-.00319	9.2695	.00645	15.315
SDev	.0095	.00009	.00230	.00001	.0176	.00085	.020
%RSD	.21746	1.1971	1.2117	.34572	.18957	13.149	.12761
#1	4.3845	.00737	.18780	-.00320	9.2819	.00705	15.329
#2	4.3980	.00750	.19104	-.00318	9.2571	.00585	15.302
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	.58593	.66584	.01683	-.00285	.00139	.07411	.05060
SDev	.00021	.00003	.00808	.00043	.00215	.00490	.00066
%RSD	.03627	.00415	47.997	15.073	154.44	6.6187	1.3068
#1	.58608	.66586	.01112	-.00254	.00291	.07758	.05107
#2	.58578	.66582	.02255	-.00315	-.00013	.07064	.05013
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

001194

BOE-C6-0149612

Units			ppm	ppm	ppm
vge	.00024	-.03635	.0385	.6159	1.803
Dev	.00711	.00201	.0015	.0001	.002
%RSD	2926.6	5.5176	3.917	.0226	.1164
#1	.00527	-.03493	.0396	.6160	1.802
#2	-.00478	-.03777	.0374	.6158	1.805
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	6985	--	--	--	--	--	--
SDev	28.08609	--	--	--	--	--	--
%RSD	.4020719	--	--	--	--	--	--
#1	6965	--	--	--	--	--	--
#2	7005	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLFK5 Operator: KT
Run Time: 10/05/00 00:13:48
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05108	L-.01439	.00226	239.53	.01683	.96539	.00736
SDev	.00164	.00841	.00066	.47	.00164	.00209	.00005
%RSD	3.2070	58.410	29.058	.19517	9.7314	.21694	.71769
#1	.04993	L-.00845	.00273	239.86	.01567	.96688	.00739
#2	.05224	L-.02034	.00180	239.20	.01799	.96391	.00732
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	-.00174	22.350	.23527	.08823	.13246	232.20	40.580
SDev	.00048	.022	.00078	.00007	.00058	.32	.063
%RSD	27.425	.09829	.32994	.08262	.43719	.13820	.15570
#1	-.00208	22.335	.23582	.08829	.13287	231.98	40.624
#2	-.00140	22.366	.23472	.08818	.13205	232.43	40.535
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.7709	.00668	.11473	-.00304	7.3180	.00194	10.140
SDev	.0032	.00155	.00073	.00005	.1493	.00681	.008
%RSD	.11549	23.225	.63988	1.6005	2.0407	351.33	.07968
#1	2.7686	.00778	.11525	-.00300	7.4235	.00676	10.134
#2	2.7732	.00559	.11422	-.00307	7.2124	-.00288	10.146
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	.48190	.37203	.02038	.00236	.00207	.06733	.04297
SDev	.00128	.00095	.00809	.00078	.00040	.00021	.00256
%RSD	.26646	.25541	39.710	33.244	19.490	.31679	5.9635
#1	.48099	.37136	.01466	.00292	.00235	.06748	.04116
#2	.48281	.37270	.02611	.00181	.00178	.06718	.04479
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	-.00259	-.02029	.0321	.3657	1.366
SDev	.01637	.00443	.0029	.0005	.004
%RSD	631.62	21.844	9.161	.1463	.2986
#1	.00899	-.01715	.0341	.3661	1.369
#2	-.01417	-.02342	.0300	.3654	1.364
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	6924	--	--	--	--	--	--
SDev	44.12339	--	--	--	--	--	--
%RSD	.6372346	--	--	--	--	--	--
#1	6893	--	--	--	--	--	--
#2	6955	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLFK7 Operator: KT
Run Time: 10/05/00 00:19:47
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04465	L-.01715	-.00224	235.84	.03011	1.5288	.00597
SDev	.00199	.00193	.00138	.23	.00243	.0038	.00004
%RSD	4.4553	11.272	61.650	.09861	8.0562	.24820	.63645
#1	.04606	L-.01852	-.00322	236.01	.03183	1.5314	.00600
#2	.04324	L-.01579	-.00126	235.68	.02840	1.5261	.00594
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	-.00068	47.338	.24745	.09738	.20153	274.50	75.576
SDev	.00076	.109	.00021	.00070	.00090	.51	.152
%RSD	112.16	.22922	.08638	.72096	.44876	.18687	.20061
#1	-.00014	47.415	.24730	.09788	.20217	274.86	75.683
#2	-.00122	47.262	.24760	.09688	.20089	274.14	75.468
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	3.9922	.00326	.17792	-.00317	7.1502	.01042	16.168
SDev	.0041	.00320	.00139	.00024	.1079	.00131	.031
%RSD	.10167	98.017	.78161	7.7172	1.5085	12.604	.19012
#1	3.9951	.00552	.17694	-.00300	7.2265	.01135	16.190
#2	3.9893	.00100	.17890	-.00335	7.0739	.00949	16.146
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	.56753	.56464	.00850	-.00173	-.00327	.06263	.03567
SDev	.00113	.00056	.00397	.00108	.00198	.00452	.00073
%RSD	.19912	.09973	46.728	62.582	60.663	7.2140	2.0374
#1	.56832	.56504	.00569	-.00249	-.00467	.06582	.03619
#2	.56673	.56424	.01131	-.00096	-.00187	.05943	.03516
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	-.00285	-.02430	.0416	.6290	1.850
SDev	.00994	.00206	.0011	.0012	.015
%RSD	349.25	8.4888	2.652	.1852	.7844
#1	-.00987	-.02284	.0408	.6298	1.860
#2	.00418	-.02576	.0424	.6282	1.840
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	7114	--	--	--	--	--	--
SDev	40.36171	--	--	--	--	--	--
%RSD	.5673736	--	--	--	--	--	--
#1	7085	--	--	--	--	--	--
#2	7142	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: DLFKA Operator: KT
Run Time: 10/05/00 00:25:45
C ment:
M e: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04758	L-.01456	-.00095	221.33	.01753	1.5759	.00562
SDev	.00136	.00169	.00193	.32	.00138	.0002	.00003
%RSD	2.8628	11.575	202.16	.14522	7.8746	.01039	.44199
#1	.04854	L-.01575	-.00231	221.56	.01655	1.5760	.00564
#2	.04662	L-.01337	.00041	221.11	.01851	1.5758	.00560
Errors	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00049	60.041	.22749	.10408	.19797	269.87	80.079
SDev	.00061	.053	.00080	.00063	.00032	.02	.011
%RSD	123.82	.08876	.35043	.60184	.16077	.00876	.01393
#1	-.00006	60.078	.22805	.10452	.19775	269.86	80.071
#2	-.00092	60.003	.22692	.10364	.19820	269.89	80.087
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
gh	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.2054	.00598	.16672	-.00304	12.618	.00119	17.815
SDev	.0015	.00158	.00058	.00026	.118	.00598	.026
%RSD	.03575	26.474	.34557	8.4044	.93131	502.54	.14651
#1	4.2043	.00710	.16631	-.00286	12.701	-.00304	17.796
#2	4.2064	.00486	.16712	-.00322	12.535	.00542	17.833
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	.52364	.55823	.01991	-.00179	.00073	.06529	.03874
SDev	.00008	.00303	.00397	.00322	.00067	.00072	.00168
%RSD	.01598	.54228	19.949	179.41	90.700	1.1001	4.3458
#1	.52358	.56037	.01710	-.00407	.00120	.06579	.03993
#2	.52370	.55609	.02272	.00048	.00026	.06478	.03755
rors	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	.00605	-.02486	.0326	.7080	3.466
SDev	.00012	.00247	.0012	.0005	.005
%RSD	1.9166	9.9339	3.775	.0713	.1550
#1	.00597	-.02660	.0317	.7084	3.462
#2	.00614	-.02311	.0335	.7077	3.469
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	7012	--	--	--	--	--	--
SDev	26.95499	--	--	--	--	--	--
%RSD	.3843981	--	--	--	--	--	--
#1	6993	--	--	--	--	--	--
#2	7031	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLFKE Operator: KT
Run Time: 10/05/00 00:31:43
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05141	L-.01410	.00003	204.78	.01635	1.0990	.00604
SDev	.00026	.00736	.00418	.57	.00146	.0008	.00017
%RSD	.51533	52.211	13276.	.27781	8.9376	.07215	2.8045
#1	.05123	L-.01931	-.00293	205.18	.01532	1.0996	.00616
#2	.05160	L-.00889	.00299	204.38	.01738	1.0985	.00592
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	-.00089	22.973	.21690	.10406	.16135	208.10	36.898
SDev	.00010	.033	.00075	.00106	.00072	.09	.023
%RSD	11.255	.14536	.34653	1.0197	.44733	.04328	.06269
#1	-.00082	22.949	.21637	.10481	.16186	208.04	36.915
#2	-.00096	22.996	.21743	.10331	.16084	208.16	36.882
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	5.2299	.00654	.11380	-.00302	6.9706	-.00392	12.253
SDev	.0087	.00159	.00088	.00032	.1769	.00130	.011
%RSD	.16646	24.237	.77546	10.594	2.5377	33.190	.09141
#1	5.2237	.00766	.11443	-.00279	7.0957	-.00300	12.245
#2	5.2361	.00542	.11318	-.00324	6.8455	-.00484	12.260
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	.46121	.36337	.01223	-.00172	.00354	.06532	.04447
SDev	.00125	.00057	.00407	.00649	.00044	.00123	.00022
%RSD	.27119	.15584	33.277	376.74	12.323	1.8883	.49135
#1	.46032	.36297	.00935	-.00631	.00385	.06444	.04463
#2	.46209	.36377	.01510	.00287	.00324	.06619	.04432
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	-.01026	-.01602	.0332	.3090	1.768
SDev	.00839	.00685	.0011	.0001	.001
%RSD	81.787	42.753	3.402	.0406	.0532
#1	-.01619	-.02086	.0324	.3091	1.769
#2	-.00433	-.01118	.0340	.3089	1.768
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	6875	--	--	--	--	--	--
SDev	53.08963	--	--	--	--	--	--
%RSD	.7722286	--	--	--	--	--	--
#1	6837	--	--	--	--	--	--
#2	6912	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLFKG Operator: KT
Run Time: 10/05/00 00:37:41
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06265	L-.02630	-.00317	302.20	.03797	1.6376	.00822
SDev	.00325	.00982	.00511	.14	.00161	.0008	.00014
%RSD	5.1816	37.339	161.32	.04694	4.2408	.04905	1.7211
#1	.06036	L-.01936	-.00678	302.30	.03911	1.6382	.00832
#2	.06495	L-.03324	.00045	302.10	.03684	1.6370	.00812
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	.00119	62.399	.29661	.11756	.23879	331.36	90.755
SDev	.00018	.085	.00018	.00119	.00052	.05	.015
%RSD	14.854	.13547	.06211	1.0086	.21966	.01644	.01659
#1	.00107	62.340	.29674	.11840	.23916	331.33	90.745
#2	.00132	62.459	.29648	.11672	.23842	331.40	90.766
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	4.6809	.00665	.22330	-.00338	13.284	.00541	18.750
SDev	.0086	.00319	.00075	.00021	.063	.00010	.006
%RSD	.18340	48.029	.33401	6.1431	.47180	1.8852	.03410
#1	4.6749	.00890	.22382	-.00352	13.329	.00534	18.755
#2	4.6870	.00439	.22277	-.00323	13.240	.00548	18.746
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	.66337	.66865	.02505	-.00302	-.00346	.08256	.05271
SDev	.00186	.00041	.00809	.00666	.00199	.00056	.00459
%RSD	.28024	.06110	32.306	220.64	57.632	.67191	8.7079
#1	.66469	.66836	.03078	-.00773	-.00487	.08217	.04947
#2	.66206	.66894	.01933	.00169	-.00205	.08296	.05596
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	-.01109	-.03389	.0520	.7054	2.536
SDev	.00437	.01254	.0002	.0001	.024
%RSD	39.458	36.993	.3265	.0075	.9559
#1	-.00799	-.02503	.0522	.7055	2.519
#2	-.01418	-.04276	.0519	.7054	2.553
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	7103	--	--	--	--	--	--
SDev	23.67392	--	--	--	--	--	--
%RSD	.3333031	--	--	--	--	--	--
#1	7086	--	--	--	--	--	--
#2	7120	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLGP8BT-0277577 Operator: KT
Run Time: 10/05/00 00:43:40
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00242	H.01167	.00276	.02625	.00126	.00144	.00016
SDev	.00049	.00057	.00058	.00624	.00664	.00001	.00013
%RSD	20.003	4.9030	21.025	23.755	527.73	.48936	76.072
#1	-.00208	H.01127	.00317	.03066	.00595	.00144	.00025
#2	-.00277	H.01208	.00235	.02184	-.00344	.00143	.00008
Errors	LC Pass	LC High	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	-.00039	.06518	-.00054	-.00001	.00058	.01120	.00401
SDev	.00011	.00080	.00009	.00000	.00054	.00624	.00009
%RSD	28.703	1.2209	17.409	21.752	93.417	55.754	2.2112
#1	-.00031	.06574	-.00061	-.00001	.00020	.00678	.00408
#2	-.00047	.06462	-.00047	-.00001	.00096	.01561	.00395
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	.00032	-.00002	.00139	.00021	H1113.3	-.00629	.00406
SDev	.00000	.00180	.00133	.00014	1.0	.00281	.00082
%RSD	.79600	8290.3	95.284	69.052	.08942	44.620	20.113
#1	.00033	.00125	.00233	.00031	H1114.0	-.00431	.00463
#2	.00032	-.00130	.00045	.00011	H1112.6	-.00828	.00348
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	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	-.00036	.00540	.02826	.00441	-.00055	-.00360	-.00184
SDev	.00000	.00003	.00882	.00053	.00067	.00119	.00132
%RSD	.85449	.55613	31.210	12.132	122.39	33.078	72.043
#1	-.00036	.00542	.03450	.00478	-.00007	-.00445	-.00090
#2	-.00037	.00538	.02202	.00403	-.00102	-.00276	-.00277
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.05000	.02000	.10000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
vge	.01883	.00809	.0083	.0007	.0790
Dev	.00136	.00154	.0014	.0000	.0057
%RSD	7.2128	18.978	17.29	.4894	7.182
#1	.01979	.00701	.0073	.0007	.0831
#2	.01787	.00918	.0093	.0007	.0750
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	6480	--	--	--	--	--	--
SDev	25.22969	--	--	--	--	--	--
%RSD	.3893640	--	--	--	--	--	--
#1	6462	--	--	--	--	--	--
#2	6498	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLGP8CT Operator: KT
Run Time: 10/05/00 00:51:46
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.9190	1.0930	.00670	.01768	5.1891	42.543	.00026
SDev	.0053	.0034	.00369	.00293	.0185	.154	.00000
%RSD	.10832	.31196	55.053	16.565	.35726	.36231	1.3184
#1	4.9228	1.0906	.00409	.01975	5.2023	42.652	.00026
#2	4.9153	1.0954	.00931	.01561	5.1760	42.434	.00025
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	NOCHECK
High	6.0000	1.2000			6.0000	60.000	
Low	4.0000	.80000			4.0000	40.000	

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.95297	.06655	4.7570	.00869	5.4503	-.00022	-.00330
SDev	.00185	.00100	.0060	.00076	.0129	.00007	.00002
%RSD	.19425	1.4945	.12575	8.8057	.23746	32.805	.61567
#1	.95428	.06725	4.7613	.00923	5.4594	-.00027	-.00328
#2	.95166	.06585	4.7528	.00815	5.4411	-.00017	-.00331
Errors	LC Pass	NOCHECK	LC Pass	NOCHECK	LC Pass	NOCHECK	NOCHECK
High	1.2000		6.0000		6.0000		
Low	.80000		4.0000		4.0000		

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00000	.00126	.00187	1.0151	1056.8	.00013	.00130
SDev	.00000	.00001	.00065	.0017	1.2	.00184	.00000
%RSD	32.471	.97986	34.903	.16857	.11470	1383.9	.10107
#1	-.00000	.00127	.00141	1.0163	1057.7	-.00117	.00130
#2	-.00001	.00125	.00233	1.0139	1056.0	.00144	.00130
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK
High				1.2000			
Low				.80000			

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	-.00104	5.0268	.03144	.00758	.00493	4.8972	4.9299
SDev	.00000	.0064	.00434	.00833	.00561	.0162	.0001
%RSD	.00094	.12753	13.804	109.87	113.74	.33142	.00231
#1	-.00104	5.0313	.02837	.00169	.00890	4.9087	4.9299
#2	-.00104	5.0223	.03451	.01348	.00097	4.8857	4.9300
Errors	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High		6.0000					
Low		4.0000					

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
vge	1.1001	1.0895	.0104	.0007	.0735
SDev	.0023	.0063	.0014	.0000	.0052
%RSD	.20793	.57405	13.69	.6065	7.121
#1	1.1017	1.0851	.0094	.0007	.0772
#2	1.0985	1.0939	.0114	.0007	.0698
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High					
Low					

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6437	--	--	--	--	--	--
SDev	31.11270	--	--	--	--	--	--
%RSD	.4833746	--	--	--	--	--	--
#1	6415	--	--	--	--	--	--
#2	6459	--	--	--	--	--	--

Method: QTESTNAK Sample Name: CCVT Operator: KT
Run Time: 10/05/00 00:59:51
mment:
..de: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units.	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.48870	.50321	.50063	25.148	.49313	2.0663	1.9705
SDev	.00004	.00206	.00564	.029	.00414	.0019	.0022
%RSD	.00881	.40951	1.1259	.11642	.83916	.09395	.11049
#1	.48873	.50467	.49664	25.127	.49020	2.0649	1.9721
#2	.48867	.50176	.50462	25.169	.49605	2.0676	1.9690
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	.48947	96.295	1.9428	1.9579	2.0606	24.661	100.23
SDev	.00135	.027	.0026	.0016	.0019	.017	.01
%RSD	.27499	.02793	.13327	.08092	.08983	.06694	.00525
#1	.48851	96.314	1.9410	1.9567	2.0593	24.673	100.23
#2	.49042	96.276	1.9446	1.9590	2.0619	24.650	100.22
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
.igh	.55000	110.00	2.2000	2.2000	2.2000	27.500	110.00
Low	.45000	90.000	1.8000	1.8000	1.8000	22.500	90.000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.9574	1.9596	1.9704	.97913	51.612	.99082	2.0018
SDev	.0011	.0195	.0039	.00007	.026	.00834	.0035
%RSD	.05499	.99493	.19660	.00699	.05091	.84124	.17583
#1	1.9567	1.9459	1.9677	.97918	51.593	.98492	2.0042
#2	1.9582	1.9734	1.9731	.97908	51.631	.99671	1.9993
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	1.9835	1.9512	1.9176	.49895	.50400	.48858	.48876
SDev	.0012	.0018	.0115	.00592	.00507	.00031	.00009
%RSD	.05914	.09056	.59772	1.1867	1.0052	.06288	.01818
#1	1.9843	1.9500	1.9095	.49476	.50042	.48880	.48869
#2	1.9826	1.9525	1.9257	.50313	.50758	.48836	.48882
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	.50728	.50118	1.957	2.068	2.001
SDev	.00029	.00295	.002	.000	.003
%RSD	.05633	.58797	.0835	.0180	.1290
#1	.50748	.50327	1.956	2.068	1.999
#2	.50708	.49910	1.958	2.068	2.003
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	6767	--	--	--	--	--	--
SDev	4.044457	--	--	--	--	--	--
%RSD	.0597637	--	--	--	--	--	--
#1	6765	--	--	--	--	--	--
#2	6770	--	--	--	--	--	--

Analysis Report QC Standard 10/05/00 01:13:51 AM page 1

Method: QTESTNAK Sample Name: CCBT, Operator: KT
Run Time: 10/05/00 01:07:57
mment:
ode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00150	.00045	.00191	.00820	-.00102	-.00037	.00020
SDev	.00058	.00145	.00076	.00380	.00134	.00000	.00000
%RSD	39.041	324.49	39.646	46.370	131.55	.00000	.45355
#1	-.00191	.00147	.00244	.01089	-.00007	-.00037	.00020
#2	-.00108	-.00058	.00137	.00551	-.00196	-.00037	.00020
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	.00003	-.00179	.00022	-.00047	.00011	.01711	-.00347
SDev	.00022	.01474	.00019	.00067	.00002	.01460	.00184
%RSD	705.51	824.15	87.291	140.93	17.502	85.352	52.876
#1	.00018	-.01221	.00035	-.00000	.00012	.00678	-.00217
#2	-.00012	.00863	.00008	-.00095	.00009	.02743	-.00477
rrors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
alue	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00003	.00226	-.00048	.00002	.14451	.00429	.00074
SDev	.00000	.00167	.00000	.00000	.07207	.00132	.00000
%RSD	1.5992	74.094	.00000	1.8251	49.875	30.766	.34177
#1	-.00003	.00107	-.00048	.00002	.19547	.00336	.00074
#2	-.00003	.00344	-.00048	.00002	.09354	.00522	.00074
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	-.00041	-.00030	.00140	.00198	.00176	-.00042	-.00203
SDev	.00000	.00001	.00406	.00233	.00240	.00088	.00044
%RSD	.12776	2.6720	289.12	117.77	136.52	209.36	21.573
#1	-.00041	-.00029	.00428	.00363	.00006	-.00104	-.00235
#2	-.00041	-.00031	-.00147	.00033	.00346	.00020	-.00172
rrors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.00000	.00000	.00000				
Range	.05000	.02000	.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
rge	-.00205	.00169	<.0000	<.0000	.0053
SDev	.00325	.00054	.0000	.0000	.0009
%RSD	158.88	32.196	.3453	1.599	16.91
#1	.00025	.00207	<.0000	<.0000	.0059
#2	-.00434	.00130	<.0000	<.0000	.0047
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	6959	--	--	--	--	--	--
SDev	10.83310	--	--	--	--	--	--
%RSD	.1556609	--	--	--	--	--	--
#1	6952	--	--	--	--	--	--
#2	6967	--	--	--	--	--	--

STL LOS ANGELES

Précis

Metals Preparation

Batch: 0277483

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

Prepared By: [illegible] Date/Time Initiated: 10/5/00 / 1715

Reviewed By: [illegible] Date/Time Completed: [illegible] 10/4/1200

Hot Plate/Block # 1 Temp* 99 °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 mL	QSPK1A-091200-1	08/2002
2. QSPK1B	1 mL	QSKP1B-072000-1	07/2001
3. QSPK2A	NA mL	QSPK2A 072000-1	04/2002
4. QSPK2B	1 mL	QCAL6B-112299-1	05/2001

Reagents	Volume	Lot #
HNO_3	10 mL	6623 T09A058
H_2O_2	4 mL	001185
HCl	10.0 mL	5587 N41A07

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

Method 3050B

Step 1. Thoroughly mix and weigh 1.0g (±0.01g) sample.
Step 2. Add 10 mL of 1:1 HNO_3.
Step 3. Cover and heat at 95°C for 10 min.
Step 4. Cool and add 5 mL conc. HNO_3, cover and heat at 95 °C for 30 min.
Step 5. If brown fumes observed, repeat last step until no fumes are evolved. 1830 (6:20pm)).
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. 9:30 pm!
Step 11. Add 10 mL of conc. HCl and heat for 15 min.
Step 12. Cool, rinse and filter sample with DI water.
Step 13. Dilute to100 mL with DI water and mix sample.

Redigestion required - Samples/Reason: _____

Requested By: _____ Date: _____ Completed By: _____ Date: _____

Digestate Chain-of-Custody:

Relinquished By: [illegible] Date: 10/4/00 Received By: [illegible] Date: 10/04/00

N:\inorganics\metals\forms\Q_prep
10/02/00

RQC057

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

Run Date: 10/05/00
Time: 15:58:50

BATCH NUMBER: **0277483**

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

INITIALS: TM

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0J030150 SOLID	DLFGE TO DUE DATE:	01	X 1.00 g 10/09/00	_____g	_____g	_____g
	DLFGES		1.00 g	_____g	_____g	_____g
	DLFGED		1.00 g	_____g	_____g	_____g
E0J030150 SOLID	DLFGQ TO DUE DATE:	01	X 1.00 g 10/09/00	_____g	_____g	_____g
E0J030150 SOLID	DLFGV TO DUE DATE:	01	X 1.00 g 10/09/00	_____g	_____g	_____g
E0J030150 SOLID	DLFHQ TO DUE DATE:	01	X 1.00 g 10/09/00	_____g	_____g	_____g
E0J030150 SOLID	DLFHX TO DUE DATE:	01	X 1.00 g 10/09/00	_____g	_____g	_____g
E0J030150 SOLID	DLFJ4 TO DUE DATE:	01	X 1.00 g 10/09/00	_____g	_____g	_____g
E0J030150 SOLID	DLFJA TO DUE DATE:	01	X .99 g 10/09/00	_____g	_____g	_____g
E0J030150 SOLID	DLFJD TO DUE DATE:	01	X 1.00 g 10/09/00	_____g	_____g	_____g
E0J030150 SOLID	DLFJK TO DUE DATE:	01	X 1.00 g 10/09/00	_____g	_____g	_____g
E0J030150 SOLID	DLFJN TO DUE DATE:	01	X 1.00 g 10/09/00	_____g	_____g	_____g
E0J030150 SOLID	DLFJQ TO DUE DATE:	01	X 1.00 g 10/09/00	_____g	_____g	_____g
E0J030150 SOLID	DLFJV TO DUE DATE:	01	X 1.00 g 10/09/00	_____g	_____g	_____g
E0J030150 SOLID	DLFK0 TO DUE DATE:	01	X 1.00 g 10/09/00	_____g	_____g	_____g
E0J030150 SOLID	DLFK5 TO DUE DATE:	01	X 1.00 g 10/09/00	_____g	_____g	_____g

RQC057

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

Run Date: 10/05/00
Time: 15:58:50

BATCH NUMBER: **0277483**

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

INITIALS: TM

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0J030150	DLFK7	01	X 1.00 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/09/00			
E0J030150	DLFKA	01	X 1.00 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/09/00			
E0J030150	DLFKE	01	X 1.00 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/09/00			
E0J030150	DLFKG	01	X 1.00 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/09/00			
E0J030000	DLGAVB	01	X 1.00 g	_____g	_____g	_____g
SOLID	DUE DATE:		0/00/00			
	DLGAVC		1.00g	_____g	_____g	_____g

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

COMMENTS: Final Vol. 100 ml

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

SPIKING WITNESSED BY _____

RQC057

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

Run Date: 10/05/00
Time: 15:58:50

BATCH NUMBER: **0277483**

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

INITIALS: _____

ICP ELEMENTS WITHIN THE BATCH:

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

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

STL Los Angeles
Précis
CVAA Data Summary Cover Sheet

Instrument ID: ICPT - M01

Analyst: lcm
Analytical Date: 10/05/00

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

Data File: P100500

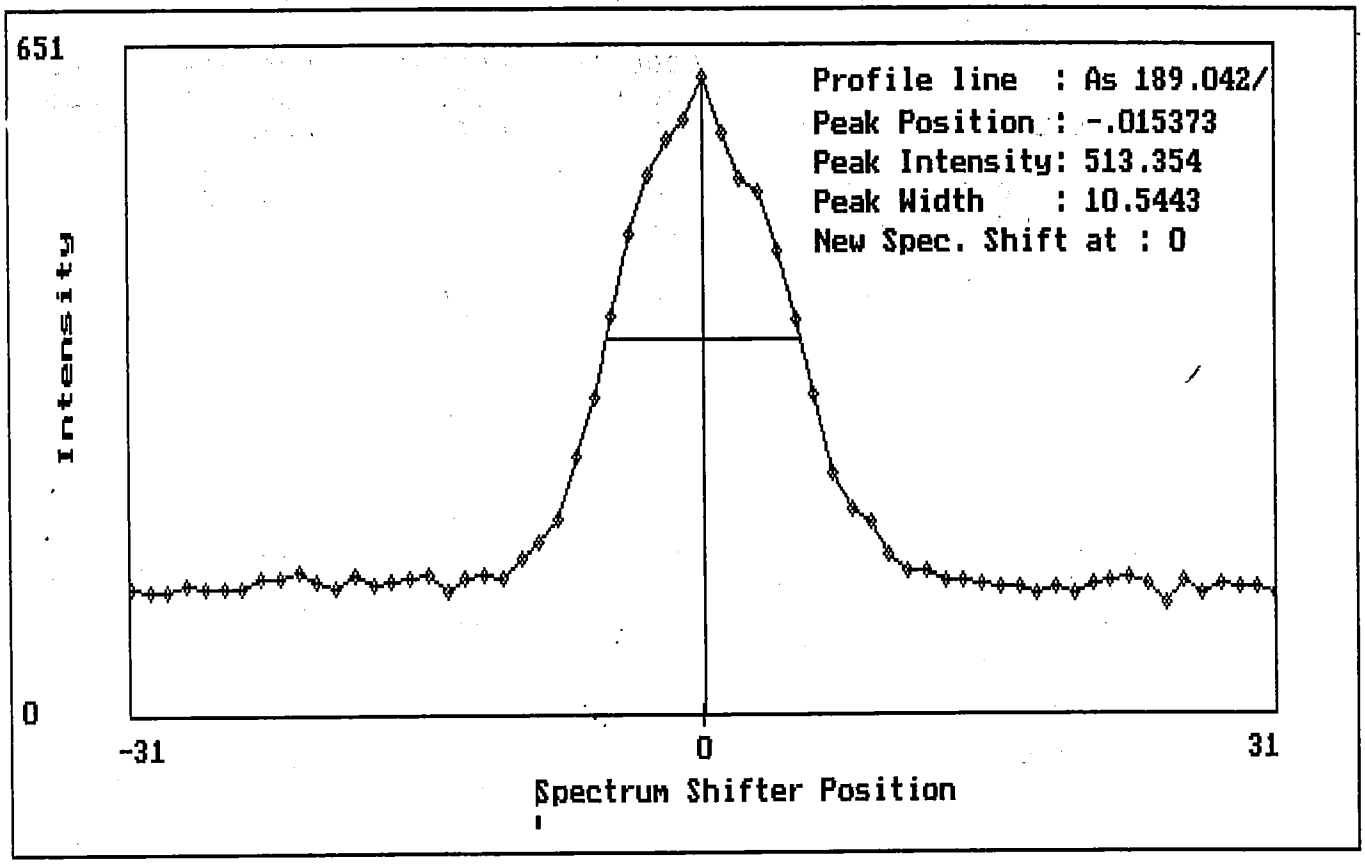
Batch	Lot/Project	Data Upload	Review/Release	Pkg.
0278276	EOJ040160	lcm 10/06/00		
	EOJ030233			
	EOJ030246			
	LOI190323			
	EOJ030262			
	LOI260284			
0279531	EOJ020156			
0278301	EOJ030150			
	EOJ030233			
	EOJ030262			
	EOJ040125			
0278311	EOJ040125			
	EOJ040183			
	EOJ030150			
	Linear Range			
0278311	SCE - CSM151			

Standards

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

Notes/Comments:

N:\metals\forms\dscs.doc
09/08/00


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

10/05/00

Analysis Report Summary 10/06/00 09:46:41 AM page 1

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Method: QTESTNAK Slope = Conc(SIR)/IR

I ment	Wavelen	High std	Low std	Slope	Y-intercept	Date Standardized
Pb2203	220.353	NONE	NONE	.000000	.000000	*NOT STANDARDIZED
Se1960	196.026	NONE	NONE	.000000	.000000	*NOT STANDARDIZED
Sb2068	206.838	NONE	NONE	.000000	.000000	*NOT STANDARDIZED
Al3082	308.215	STD1	STDBLK	3.18442	-.250244	10/05/00 01:33:37
As1890	189.042	STD1	STDBLK	.445067	.010105	10/05/00 01:33:37
Ba4934	493.409	STD1	STDBLK	1.11172	-.000328	10/05/00 01:33:37
Be3130	313.042	STD1	STDBLK	.589848	-.000087	10/05/00 01:33:37
Cd_tr	226.502	STD1	STDBLK	.057139	-.001660	10/05/00 01:33:37
Ca3179	317.933	STD1	STDBLK	79.3245	-.163735	10/05/00 01:33:37
Cr_tr	267.716	STD1	STDBLK	.475672	-.002595	10/05/00 01:33:37
Co2286	228.616	STD1	STDBLK	3.37017	.000994	10/05/00 01:33:37
Cu3247	324.753	STD1	STDBLK	1.26847	-.013091	10/05/00 01:33:37
Fe2714	271.441	STD1	STDBLK	14.6534	.004321	10/05/00 01:33:37
Mg2790	279.078	STD1	STDBLK	8.98231	-.009270	10/05/00 01:33:37
Mn2576	257.610	STD1	STDBLK	1.10413	-.000326	10/05/00 01:33:37
Mo2020	202.030	STD1	STDBLK	8.50688	-.002508	10/05/00 01:33:37
Ni2316	231.604	STD1	STDBLK	3.12827	-.000461	10/05/00 01:33:37
Ag_tr	328.068	STD1	STDBLK	.336882	-.000099	10/05/00 01:33:37
Na3302	330.232	STD1	STDBLK	1.01741	.012813	10/05/00 01:33:37
Tl1908	190.864	STD1	STDBLK	.782511	.022151	10/05/00 01:33:37
Ti3349	334.941	STD1	STDBLK	1.81391	.002140	10/05/00 01:33:37
V_2924	292.402	STD1	STDBLK	2.19931	-.000324	10/05/00 01:33:37
Zn2138	213.856	STD1	STDBLK	3.71241	-.003284	10/05/00 01:33:37
Sn1899	189.989	STD1	STDBLK	20.9015	.015409	10/05/00 01:33:37
[illegible]8_1	206.831	STD1	STDBLK	.695806	.006566	10/05/00 01:33:37
2[illegible]8_2	206.832	STD1	STDBLK	1.50118	-.003763	10/05/00 01:33:37
2203_1	220.351	STD1	STDBLK	.196365	-.011146	10/05/00 01:33:37
2203_2	220.352	STD1	STDBLK	.434734	-.002628	10/05/00 01:33:37
1960_1	196.021	STD1	STDBLK	3.33042	.037318	10/05/00 01:33:37
1960_2	196.022	STD1	STDBLK	2.48425	-.021244	10/05/00 01:33:37
B_2496	249.678	STD1	STDBLK	6.51332	.000960	10/05/00 01:33:37
Sr4215	421.552	STD1	STDBLK	.539752	.000000	10/05/00 01:33:37
Si2881	288.158	STD1	STDBLK	3.00109	-.179644	10/05/00 01:33:37

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

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.99969	.98159	.99594	9.9246	.98798	1.0162	1.0485
SDev	.00395	.00475	.00430	.0168	.00068	.0024	.0011
%RSD	.39471	.48361	.43129	.16879	.06914	.23199	.10088
#1	.99690	.97824	.99290	9.9364	.98749	1.0146	1.0478
#2	1.0025	.98495	.99898	9.9127	.98846	1.0179	1.0493
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.1000	1.1000	1.1000	11.000	1.1000	1.1000	1.1000
Low	.90000	.90000	.90000	9.0000	.90000	.90000	.90000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0159	41.656	1.0431	1.0186	.97677	10.459	40.127
SDev	.0036	.013	.0020	.0022	.00073	.004	.053
%RSD	.35296	.03203	.18739	.21118	.07503	.03533	.13322
#1	1.0134	41.647	1.0418	1.0171	.97728	10.462	40.089
#2	1.0185	41.666	1.0445	1.0201	.97625	10.457	40.165
rrors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
igh	1.1000	44.000	1.1000	1.1000	1.1000	11.000	44.000
Low	.90000	36.000	.90000	.90000	.90000	9.0000	36.000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0562	1.0034	1.0356	.39328	38.314	5.0646	1.0454
SDev	.0022	.0069	.0011	.00004	.008	.0245	.0028
%RSD	.21238	.69150	.11107	.01015	.02207	.48422	.27011
#1	1.0546	.99847	1.0348	.39331	38.320	5.0473	1.0434
#2	1.0577	1.0083	1.0364	.39325	38.308	5.0820	1.0474
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	1.1000	1.1000	1.1000	.44000		5.5000	1.1000
Low	.90000	.90000	.90000	.36000		4.5000	.90000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	1.0332	1.0347	.96760	.98582	1.0162	1.0287	.98521
SDev	.0002	.0017	.02023	.00653	.0002	.0008	.00552
%RSD	.01619	.16812	2.0913	.66254	.01805	.07774	.55996
#1	1.0331	1.0335	.95329	.98120	1.0163	1.0282	.98131
#2	1.0333	1.0359	.98191	.99044	1.0161	1.0293	.98911
rrors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	1.1000	1.1000	1.1000				
Low	.90000	.90000	.90000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
ge	1.0063	.96924	.9781	1.030	L.8847
SDev	.0070	.01061	.0049	.002	.0016
%RSD	.69584	1.0950	.4985	.1913	.1807
#1	1.0113	.96174	.9746	1.028	L.8859
#2	1.0014	.97675	.9815	1.031	L.8836
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	LC Low
High			1.100		1.100
Low			.9000		.9000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6646	--	--	--	--	--	--
SDev	13.97226	--	--	--	--	--	--
%RSD	.2102433	--	--	--	--	--	--
#1	6636	--	--	--	--	--	--
#2	6656	--	--	--	--	--	--

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

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

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

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

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

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

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

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

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

Elems	2068_1	2068_2	2203_1

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

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

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

Elems	*Y
Units	
Avge	6754.75976
SDev	13.29346
%RSD	0.19680

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

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00009	.00291	-.00228	491.66	.00122	.00039	.00020
SDev	.00184	.00369	.00541	1.91	.00419	.00000	.00014
%RSD	1964.3	126.56	237.06	.38936	342.69	.14469	67.480
#1	-.00140	.00552	.00154	490.31	.00419	.00039	.00030
#2	.00121	.00031	-.00611	493.02	-.00174	.00040	.00011
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.01000	.01000	.06000	600.00	.02000	.02000	.01000
Low	-.01000	-.01000	-.06000	400.00	-.02000	-.02000	-.01000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00390	492.18	-.00230	.00251	-.00040	196.50	488.86
SDev	.00007	.89	.00068	.00000	.00032	.49	.50
%RSD	1.6935	.18089	29.429	.02832	78.516	.25036	.10265
#1	.00394	491.55	-.00182	.00251	-.00062	196.16	488.50
#2	.00385	492.81	-.00278	.00251	-.00018	196.85	489.21
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	-.00355	.00490	.00005	-.00076	.06742	.00362	-.00051
SDev	.00000	.00582	.00072	.00015	.06064	.00402	.00042
%RSD	.07179	118.91	1538.4	20.426	89.942	110.96	81.712
#1	-.00355	.00902	.00055	-.00087	.02454	.00078	-.00022
#2	-.00356	.00078	-.00046	-.00065	.11030	.00647	-.00081
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.01500	.04000	.04000	.02000	5.0000	.02000	.05000
Low	-.01500	-.04000	-.04000	-.02000	-5.0000	-.02000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	-.00030	.00076	-.01066	-.00274	-.00137	.02224	-.01125
SDev	.00001	.00090	.00005	.00499	.00626	.00377	.00464
%RSD	4.1260	117.63	.48890	182.14	456.96	16.929	41.295
#1	-.00029	.00140	-.01062	.00079	.00306	.02491	-.01453
#2	-.00031	.00013	-.01070	-.00626	-.00579	.01958	-.00796
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	.00293	.00291	.0073	.0153	.0095
SDev	.00689	.00209	.0000	.0000	.0012
%RSD	235.24	71.885	.0687	.0790	12.90
#1	.00780	.00438	.0073	.0152	.0104
#2	-.00194	.00143	.0073	.0153	.0087
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			.2000	.0500	.5000
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6155	--	--	--	--	--	--
SDev	4.864812	--	--	--	--	--	--
%RSD	.0790358	--	--	--	--	--	--
#1	6159	--	--	--	--	--	--
#2	6152	--	--	--	--	--	--

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

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

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.97471	494.81	.49841	.49980	.53063	197.52	491.60
SDev	.00397	2.25	.00238	.00292	.00116	.53	1.87
%RSD	.40754	.45409	.47727	.58497	.21886	.26687	.37968
#1	.97752	496.40	.50009	.50187	.53145	197.89	492.92
#2	.97190	493.22	.49673	.49773	.52981	197.15	490.28
rrors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
igh	1.2000	600.00	.60000	.60000	.60000	240.00	600.00
Low	.80000	400.00	.40000	.40000	.40000	160.00	400.00

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.51166	1.0115	1.0016	1.0714	H13.027	1.0393	-.00033
SDev	.00195	.0074	.0029	.0035	.093	.0011	.00001
%RSD	.38057	.73363	.28638	.32510	.71028	.10724	3.2205
#1	.51304	1.0063	1.0036	1.0738	H13.092	1.0385	-.00034
#2	.51029	1.0168	.99953	1.0689	H12.961	1.0401	-.00032
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass
High	.60000	1.2000	1.2000	1.2000	12.000	1.2000	.10000
Low	.40000	.80000	.80000	.80000	8.0000	.80000	-.10000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.50457	1.0640	.00284	1.0317	1.0783	1.0776	.98891
SDev	.00167	.0038	.00966	.0089	.0049	.0067	.00505
%RSD	.33053	.35691	339.93	.86239	.45647	.62169	.51045
#1	.50575	1.0666	-.00399	1.0255	1.0817	1.0823	.99248
#2	.50339	1.0613	.00967	1.0380	1.0748	1.0728	.98534
rrors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.60000	1.2000	.20000				
Low	.40000	.80000	-.20000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	1.0512	.99675	.0084	.0152	.0065
SDev	.0074	.00435	.0015	.0002	.0029
%RSD	.70543	.43665	17.51	1.247	44.45
#1	1.0565	.99368	.0073	.0153	.0085
#2	1.0460	.99983	.0094	.0151	.0044
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			.4000	.1000	1.000
Low			-.4000	-.1000	-1.000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6144	--	--	--	--	--	--
SDev	26.41741	--	--	--	--	--	--
%RSD	.4299653	--	--	--	--	--	--
#1	6125	--	--	--	--	--	--
#2	6163	--	--	--	--	--	--

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

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04885	.05119	.62845	491.58	.09901	.51485	.51760
SDev	.00005	.00187	.00329	.96	.00069	.00007	.00016
%RSD	.10352	3.6516	.52400	.19568	.69768	.01460	.03195
#1	.04889	.04987	.62612	492.26	.09950	.51480	.51771
#2	.04882	.05251	.63078	490.90	.09852	.51491	.51748
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.98016	493.34	.49590	.50209	.54830	196.85	489.47
SDev	.00182	.49	.00128	.00042	.00106	.06	.15
%RSD	.18609	.09923	.25895	.08446	.19259	.02977	.03071
#1	.98145	493.69	.49681	.50239	.54905	196.89	489.57
#2	.97887	493.00	.49500	.50179	.54755	196.81	489.36
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	.50507	1.0181	.98832	.21355	12.831	.09853	-.00032
SDev	.00068	.0128	.00084	.00034	.005	.00417	.00000
%RSD	.13466	1.2586	.08448	.15704	.03510	4.2303	.70115
#1	.50555	1.0090	.98891	.21379	12.828	.10148	-.00033
#2	.50459	1.0272	.98773	.21332	12.834	.09558	-.00032
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.49232	1.0616	-.01065	.62231	.64074	.07234	.03713
SDev	.00092	.0043	.00003	.00894	.00802	.00275	.00130
%RSD	.18617	.40783	.25737	1.4368	1.2518	3.8049	3.4971
#1	.49297	1.0647	-.01067	.61599	.64641	.07428	.03621
#2	.49167	1.0585	-.01063	.62863	.63507	.07039	.03804
rrors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.06406	.04477	.0105	.0152	.0035
SDev	.00691	.00625	.0015	.0001	.0012
%RSD	10.789	13.967	14.35	.9019	35.44
#1	.06894	.04035	.0115	.0152	.0026
#2	.05917	.04919	.0094	.0151	.0043
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6163	--	--	--	--	--	--
SDev	5.204209	--	--	--	--	--	--
%RSD	.0844428	--	--	--	--	--	--
#1	6159	--	--	--	--	--	--
#2	6167	--	--	--	--	--	--

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

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00322	.00983	.02166	.35855	.01957	.02010	.01025
SDev	.00124	.00246	.00020	.00274	.00105	.00015	.00005
%RSD	38.436	25.069	.93165	.76399	5.3591	.76603	.44281
#1	.00234	.01157	.02180	.36048	.02031	.02000	.01028
#2	.00409	.00809	.02152	.35661	.01882	.02021	.01022
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00360	10.264	.00966	.09988	.04781	.20909	9.6963
SDev	.00016	.029	.00029	.00075	.00007	.00462	.0003
%RSD	4.4060	.27984	3.0252	.74654	.15187	2.2110	.00283
#1	.00349	10.243	.00946	.09935	.04786	.20582	9.6965
#2	.00372	10.284	.00987	.10040	.04776	.21236	9.6961
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03191	.08073	.08021	.00976	9.4222	.01576	-.00001
SDev	.00001	.00063	.00070	.00036	.0569	.00537	.00002
%RSD	.03623	.77754	.87687	3.6552	.60413	34.048	121.32
#1	.03190	.08029	.08071	.00951	9.4624	.01197	-.00000
#2	.03192	.08117	.07971	.01001	9.3819	.01955	-.00002
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.09978	.04252	-.00319	.02187	.02123	.00374	.00296
SDev	.00029	.00035	.00014	.00055	.00170	.00090	.00141
%RSD	.29414	.81959	4.3944	2.4977	8.0081	23.987	47.533
#1	.09958	.04228	-.00309	.02149	.02243	.00310	.00197
#2	.09999	.04277	-.00329	.02226	.02003	.00437	.00396
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
vge	.01405	.00772	.0010	.0002	.0067
SDev	.00367	.00186	.0000	.0000	.0005
%RSD	26.096	24.135	.0000	.7537	7.174
#1	.01664	.00904	.0010	.0002	.0071
#2	.01145	.00641	.0010	.0002	.0064
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6747	--	--	--	--	--	--
SDev	50.85541	--	--	--	--	--	--
%RSD	.7537351	--	--	--	--	--	--
#1	6783	--	--	--	--	--	--
#2	6711	--	--	--	--	--	--

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

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49559	.49394	.49144	24.340	.49550	1.9950	2.0426
SDev	.00073	.00231	.00508	.109	.00795	.0036	.0013
%RSD	.14802	.46755	1.0329	.44591	1.6035	.17799	.06286
#1	.49611	.49557	.48786	24.416	.50111	1.9975	2.0417
#2	.49507	.49231	.49503	24.263	.48988	1.9925	2.0435
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	.55000	.55000	27.500	.55000	2.2000	2.2000
Low	.45000	.45000	.45000	22.500	.45000	1.8000	1.8000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50064	102.64	2.0441	2.0119	1.9482	25.468	100.55
SDev	.00104	.05	.0020	.0012	.0076	.065	.30
%RSD	.20785	.05115	.09607	.05771	.38752	.25514	.30044
#1	.49991	102.68	2.0428	2.0111	1.9536	25.514	100.76
#2	.50138	102.60	2.0455	2.0128	1.9429	25.422	100.33
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	110.00	2.2000	2.2000	2.2000	27.500	110.00
Low	.45000	90.000	1.8000	1.8000	1.8000	22.500	90.000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0306	1.9763	2.0151	.99187	49.800	.96470	2.0344
SDev	.0016	.0235	.0010	.00254	.285	.00319	.0006
%RSD	.07721	1.1900	.04754	.25622	.57164	.33098	.02943
#1	2.0295	1.9597	2.0145	.99366	50.001	.96244	2.0340
#2	2.0317	1.9929	2.0158	.99007	49.598	.96695	2.0348
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	2.2000	2.2000	2.2000	1.1000		1.1000	2.2000
Low	1.8000	1.8000	1.8000	.90000		.90000	1.8000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	2.0250	2.0360	1.9354	.48490	.50456	.51300	.48689
SDev	.0017	.0030	.0028	.00822	.00121	.00215	.00003
%RSD	.08310	.14749	.14536	1.6941	.23982	.41950	.00522
#1	2.0261	2.0338	1.9334	.47909	.50541	.51452	.48691
#2	2.0238	2.0381	1.9374	.49071	.50370	.51148	.48687
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	2.2000	2.2000	2.2000				
Low	1.8000	1.8000	1.8000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.51619	.48283	1.977	2.037	2.018
SDev	.00604	.00045	.003	.004	.002
%RSD	1.1701	.09258	.1533	.1734	.1226
#1	.52046	.48315	1.979	2.039	2.020
#2	.51192	.48252	1.974	2.034	2.017
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			2.200	2.200	2.200
Low			1.800	1.800	1.800

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6689	--	--	--	--	--	--
SDev	5.600231	--	--	--	--	--	--
%RSD	.0837200	--	--	--	--	--	--
#1	6685	--	--	--	--	--	--
#2	6693	--	--	--	--	--	--

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

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

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00098	.00014	.00182	-.08417	-.00001	-.00000	.00017
SDev	.00079	.00023	.00113	.00571	.00236	.00000	.00012
%RSD	80.258	164.02	62.371	6.7826	36591.	22.289	71.611
#1	-.00042	.00030	.00102	-.08013	.00166	-.00000	.00026
#2	-.00154	-.00002	.00262	-.08821	-.00167	-.00000	.00008
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.00500	.06000	.20000	.01000	.02000	.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00017	-.00195	-.00051	.00001	.00058	-.00423	-.00137
SDev	.00009	.00044	.00001	.00000	.00004	.00605	.00002
%RSD	50.992	22.314	1.1230	33.939	6.2817	143.17	1.6859
#1	.00011	-.00164	-.00051	.00001	.00061	-.00851	-.00136
#2	.00024	-.00226	-.00052	.00001	.00056	.00005	-.00139
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00000	.00245	-.00046	.00015	.27316	-.00053	.00082
SDev	.00000	.00001	.00000	.00049	.02811	.00268	.00037
%RSD	22.289	.51980	.00000	331.80	10.290	506.51	45.202
#1	-.00000	.00246	-.00046	.00049	.25329	.00137	.00108
#2	-.00000	.00244	-.00046	-.00020	.29304	-.00242	.00056
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.01500	.04000	.04000	.01000	5.0000	.01000	.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	-.00000	-.00004	-.00591	.00339	-.00133	-.00211	-.00042
SDev	.00045	.00001	.00436	.00248	.00155	.00034	.00135
%RSD	12240.	23.847	73.827	72.981	116.38	16.132	324.59
#1	-.00032	-.00003	-.00900	.00164	-.00024	-.00235	.00054
#2	.00032	-.00004	-.00283	.00514	-.00243	-.00187	-.00137
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.00000	.00000	.00000				
Range	.05000	.02000	.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
rge	.00092	-.00025	.0010	.0000	.0022
sDev	.00353	.00210	.0000	.0000	.0005
%RSD	381.90	826.08	.0000	.0000	21.95
#1	-.00157	.00123	.0010	.0000	.0026
#2	.00342	-.00174	.0010	.0000	.0019
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value			.0000	.0000	.0000
Range			.2000	.0500	.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6864	--	--	--	--	--	--
SDev	18.46971	--	--	--	--	--	--
%RSD	.2690629	--	--	--	--	--	--
#1	6851	--	--	--	--	--	--
#2	6878	--	--	--	--	--	--

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

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00066	.00037	.00215	-.07760	.00093	-.00001	.00025
SDev	.00093	.00711	.00250	.00723	.00133	.00000	.00000
%RSD	140.77	1917.1	116.03	9.3126	143.11	14.964	.32832
#1	.00132	H.00540	.00039	-.08271	.00187	-.00001	.00025
#2	.00000	-.00466	.00392	-.07249	-.00001	-.00001	.00025
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.00500	.06000	.20000	.01000	.02000	.00500
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00001	.01929	.00454	.00099	.00136	.03805	.00244
SDev	.00024	.00061	.00022	.00000	.00031	.00608	.00553
%RSD	2269.7	3.1822	4.8012	.01922	22.595	15.986	226.28
#1	-.00018	.01972	.00469	.00099	.00158	.04235	.00636
#2	.00016	.01885	.00439	.00099	.00114	.03375	-.00147
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00047	.00240	-.00001	-.00010	.55741	-.00560	.00109
SDev	.00022	.00002	.00064	.00027	.10523	.00023	.00000
%RSD	47.326	.71122	7042.1	274.67	18.878	4.0263	.32592
#1	.00031	.00241	.00044	-.00029	.63182	-.00544	.00109
#2	.00063	.00239	-.00046	.00009	.48300	-.00576	.00109
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.01500	.04000	.04000	.01000	5.0000	.01000	.05000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	-.00001	.00206	-.00568	.00219	.00208	.00450	-.00126
SDev	.00045	.00001	.00419	.00268	.00213	.00102	.00089
%RSD	6373.8	.67610	73.759	122.62	102.14	22.531	70.781
#1	.00031	.00207	-.00272	.00029	.00058	.00522	-.00063
#2	-.00032	.00205	-.00865	.00408	.00358	.00379	-.00189
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.05000	.02000	.10000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.00734	.00422	.0000	.0002	.0238
SDev	.00596	.00769	.0013	.0000	.0031
%RSD	81.264	182.19	5705.	.3357	13.18
#1	-.00312	.00966	.0010	.0002	.0260
#2	-.01155	-.00122	<.0000	.0002	.0215
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			.2000	.0500	.5000
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6935	--	--	--	--	--	--
SDev	23.27790	--	--	--	--	--	--
%RSD	.3356709	--	--	--	--	--	--
#1	6918	--	--	--	--	--	--
#2	6951	--	--	--	--	--	--

Analysis Report 10/06/00 03:38:33 AM page 1

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

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.44573	1.7184	.44493	1.6258	1.7801	1.9327	.04763
SDev	.02019	.0762	.01535	.1191	.0821	.0914	.00289
%RSD	4.5306	4.4326	3.4501	7.3233	4.6104	4.7292	6.0583
#1	.46001	1.7722	.45578	1.7100	1.8381	1.9973	.04967
#2	.43145	1.6645	.43407	L1.5416	1.7221	1.8680	.04559
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.60000	2.4000	.60000	2.4000	2.4000	2.4000	.06000
Low	.40000	1.4000	.35000	1.6000	1.5000	1.6000	.04000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04812	L.04555	.19958	.49150	.23597	.99602	L.00376
SDev	.00183	.00498	.00942	.02293	.01515	.05340	.00573
%RSD	3.8013	10.936	4.7212	4.6643	6.4202	5.3617	152.65
#1	.04942	L.04203	.20625	.50771	.24668	1.0338	L.00781
#2	.04683	L.04908	.19292	.47529	.22525	.95826	L-.00030
Errors	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	.06000	60.000	.24000	.60000	.30000	1.2500	60.000
Low	.04000	40.000	.16000	.40000	.20000	.80000	40.000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50371	.92768	.48546	.04671	.56037	1.6997	L.00159
SDev	.02278	.03553	.02283	.00258	.08331	.0740	.00003
%RSD	4.5218	3.8299	4.7037	5.5175	14.866	4.3555	1.7440
#1	.51982	.95281	.50160	.04853	.61927	1.7520	L.00157
#2	.48760	.90256	.46931	.04488	.50146	1.6473	L.00161
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Low
High	.60000	1.2000	.60000	.06000		2.4000	1.2000
Low	.40000	.80000	.40000	.04000		1.6000	.80000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.48495	.48403	.00974	.43723	.46033	.46103	.43809
SDev	.02724	.02330	.00794	.01424	.01758	.01959	.02050
%RSD	5.6169	4.8137	81.472	3.2559	3.8196	4.2484	4.6788
#1	.50421	.50051	.01536	.44730	.47277	.47488	.45258
#2	.46569	.46756	.00413	.42717	.44790	.44718	.42360
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.60000	.60000					
Low	.40000	.40000					

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
ge	1.7494	1.7029	L.0082	L.0001	.0772
SDev	.0798	.0744	.0004	.0001	.0166
%RSD	4.5590	4.3678	4.486	141.4	21.49
#1	1.8057	1.7555	L.0085	L.0002	.0889
#2	1.6930	1.6503	L.0080	L.0000	.0654
Errors	NOCHECK	NOCHECK	LC Low	LC Low	NOCHECK
High			1.200	1.200	
Low			.8000	.8000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	7187	--	--	--	--	--	--
SDev	365.0370	--	--	--	--	--	--
%RSD	5.079270	--	--	--	--	--	--
#1	6929	--	--	--	--	--	--
#2	7445	--	--	--	--	--	--

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

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05622	-.00292	-.00351	257.73	.04427	1.8406	.00746
SDev	.00142	.00101	.00220	.37	.00081	.0081	.00014
%RSD	2.5308	34.543	62.606	.14452	1.8254	.43782	1.8603
#1	.05521	-.00221	-.00506	257.99	.04370	1.8349	.00755
#2	.05722	-.00364	-.00196	257.47	.04484	1.8463	.00736
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00471	46.042	.28375	.11206	.19242	308.89	74.532
SDev	.00004	.034	.00083	.00086	.00025	.21	.232
%RSD	.79805	.07469	.29249	.77147	.12774	.06804	.31093
#1	.00474	46.017	.28317	.11145	.19225	308.74	74.368
#2	.00469	46.066	.28434	.11267	.19260	309.04	74.696
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	4.8826	.00739	.22366	-.00354	11.174	.01793	13.737
SDev	.0243	.00327	.00249	.00013	.134	.00400	.033
%RSD	.49753	44.240	1.1121	3.5893	1.2030	22.319	.24339
#1	4.8654	.00970	.22190	-.00345	11.269	.01510	13.713
#2	4.8997	.00508	.22542	-.00363	11.079	.02076	13.761
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	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	.60347	.61604	.00789	-.00558	.00064	.08111	.04379
SDev	.00222	.00332	.00415	.00333	.00007	.00061	.00244
%RSD	.36740	.53866	52.573	59.696	11.436	.75325	5.5676
#1	.60191	.61369	.01082	-.00794	.00069	.08154	.04207
#2	.60504	.61838	.00495	-.00323	.00058	.08067	.04551
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.00111	-.00494	.0454	.5939	2.265
SDev	.00187	.00058	.0012	.0026	.005
%RSD	168.90	11.722	2.567	.4341	.2372
#1	.00243	-.00453	.0445	.5921	2.261
#2	-.00022	-.00535	.0462	.5957	2.269
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	7188	--	--	--	--	--	--
SDev	18.92236	--	--	--	--	--	--
%RSD	.2632427	--	--	--	--	--	--
#1	7175	--	--	--	--	--	--
#2	7202	--	--	--	--	--	--

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

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L.04940	L.02141	L.00361	269.15	L.01861	1.9585	.00890
SDev	.00160	.01638	.00500	.08	.00096	.0027	.00062
%RSD	3.2370	76.509	138.59	.02852	5.1691	.13990	6.9500
#1	L.05053	L.00983	L.00007	269.10	L.01793	1.9566	.00934
#2	L.04827	L.03299	L.00715	269.21	L.01929	1.9605	.00846
Errors	LC Low	LC Low	LC Low	LC Pass	LC Low	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	5.5000
Low	.07500	.17000	.10000	.63000	.24500	.01000	.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.00284	49.469	.30515	.12093	.19898	335.13	80.929
SDev	.00298	.075	.00097	.00360	.00038	.19	.007
%RSD	105.07	.15169	.31761	2.9724	.19156	.05777	.00806
#1	L-.00073	49.522	.30583	.12347	.19925	335.26	80.934
#2	L-.00495	49.416	.30446	.11839	.19871	334.99	80.924
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	550.00	55.000	110.00	55.000	1100.0	1100.0
Low	.01500	.38500	.02000	.03500	.04000	.66500	.19000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.3018	L.01518	.24113	L-.00438	12.633	L.02838	14.835
SDev	.0011	.00868	.00601	.00069	.016	.00621	.030
%RSD	.02054	57.167	2.4934	15.808	.12796	21.867	.19892
#1	5.3010	L.02132	.23688	L-.00487	12.645	L.03277	14.856
#2	5.3025	L.00905	.24538	L-.00389	12.622	L.02400	14.814
Errors	LC Pass	LC Low	LC Pass	LC Low	NOCHECK	LC Low	LC Pass
High	27.500	27.500	110.00	2.2000		22.000	55.000
Low	.01000	.10500	.05500	.03000		.23500	.01500

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.63909	.66120	L.04451	.00764	-.00446	.06966	.03928
SDev	.00352	.00487	.02133	.00373	.00756	.01444	.00481
%RSD	.55060	.73638	47.930	48.782	169.54	20.732	12.252
#1	.63661	.66464	L.02943	.00500	-.00980	.07987	.03588
#2	.64158	.65775	L.05960	.01027	.00089	.05945	.04268
Errors	LC Pass	LC Pass	LC Low	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	.02000	.03500	.46000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.02427	.01998	L.0517	.6324	2.406
SDev	.00364	.02273	.0001	.0013	.005
%RSD	15.015	113.81	.1353	.1987	.2049
#1	.02169	.00390	L.0518	.6315	2.410
#2	.02685	.03605	L.0517	.6333	2.403
Errors	NOCHECK	NOCHECK	LC Low	LC Pass	LC Pass
High			55.00	5.500	55.00
Low			.0550	.0050	.2400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6939	--	--	--	--	--	--
SDev	10.35214	--	--	--	--	--	--
%RSD	.1491861	--	--	--	--	--	--
#1	6932	--	--	--	--	--	--
#2	6946	--	--	--	--	--	--

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

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.47659	1.5929	.10297	263.83	1.6714	3.6645	.05302
SDev	.00042	.0032	.00315	.06	.0024	.0121	.00005
%RSD	.08913	.20239	3.0646	.02143	.14408	.33143	.09712
#1	.47629	1.5906	.10073	263.87	1.6731	3.6731	.05306
#2	.47689	1.5952	.10520	263.79	1.6697	3.6560	.05299
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05001	45.022	.46925	.55285	.41906	310.30	74.471
SDev	.00045	.039	.00016	.00036	.00013	.09	.160
%RSD	.89888	.08625	.03420	.06450	.03102	.02949	.21475
#1	.04969	44.995	.46936	.55310	.41915	310.24	74.584
#2	.05033	45.050	.46913	.55260	.41896	310.37	74.358
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.7655	.82127	.65379	.04106	11.278	1.6968	13.478
SDev	.0026	.00086	.00117	.00024	.059	.0174	.007
%RSD	.05482	.10442	.17876	.59434	.52285	1.0237	.05438
#1	4.7636	.82188	.65462	.04123	11.320	1.6845	13.483
#2	4.7673	.82067	.65297	.04088	11.236	1.7091	13.472
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	1.0484	1.0599	.01365	.10235	.10419	.51840	.45572
SDev	.0001	.0005	.00401	.00796	.00646	.00196	.00161
%RSD	.01374	.04386	29.372	7.7733	6.2009	.37766	.35424
#1	1.0485	1.0595	.01081	.09673	.10876	.51979	.45458
#2	1.0483	1.0602	.01648	.10798	.09962	.51702	.45686
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
vge	1.6365	1.5711	.0472	.5986	2.377
SDev	.0079	.0088	.0016	.0014	.041
%RSD	.48489	.55979	3.445	.2287	1.720
#1	1.6421	1.5649	.0484	.5996	2.406
#2	1.6309	1.5774	.0461	.5977	2.348
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	7182	--	--	--	--	--	--
SDev	53.40072	--	--	--	--	--	--
%RSD	.7435603	--	--	--	--	--	--
#1	7144	--	--	--	--	--	--
#2	7220	--	--	--	--	--	--

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

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.47653	1.5829	.09938	274.10	1.6688	3.4224	.05277
SDev	.00140	.0011	.00221	.13	.0061	.0029	.00001
%RSD	.29376	.06732	2.2278	.04580	.36438	.08480	.01756
#1	.47554	1.5836	.10095	274.19	1.6731	3.4203	.05277
#2	.47752	1.5821	.09782	274.01	1.6645	3.4244	.05278
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04921	47.599	.47965	.56059	.42423	322.35	77.501
SDev	.00072	.078	.00139	.00075	.00132	.40	.172
%RSD	1.4589	.16349	.28888	.13417	.31134	.12504	.22234
#1	.04972	47.544	.47867	.56006	.42517	322.07	77.379
#2	.04870	47.654	.48063	.56112	.42330	322.64	77.623
rrors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
igh	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.9664	.81907	.66293	.04089	11.637	1.6913	14.009
SDev	.0147	.00351	.00177	.00041	.086	.0088	.028
%RSD	.29559	.42865	.26760	1.0137	.73598	.52110	.20227
#1	4.9560	.81659	.66167	.04118	11.697	1.6975	13.989
#2	4.9768	.82155	.66418	.04060	11.576	1.6851	14.029
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	1.0703	1.0828	.01592	.09581	.10654	.51639	.45663
SDev	.0026	.0028	.00827	.00247	.00169	.00000	.00210
%RSD	.24141	.25962	51.957	2.5825	1.5890	.00045	.45935
#1	1.0685	1.0808	.02177	.09756	.10774	.51638	.45514
#2	1.0722	1.0848	.01007	.09406	.10535	.51639	.45811
rrors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
vge	1.6174	1.5657	.0490	.5986	2.338
sDev	.0002	.0017	.0012	.0006	.017
%RSD	.01072	.10758	2.424	.1052	.7163
#1	1.6172	1.5668	.0481	.5981	2.350
#2	1.6175	1.5645	.0498	.5990	2.326
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	7191	--	--	--	--	--	--
SDev	14.11382	--	--	--	--	--	--
%RSD	.1962636	--	--	--	--	--	--
#1	7181	--	--	--	--	--	--
#2	7201	--	--	--	--	--	--

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

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.10262	.00150	.00196	117.01	.03626	1.7343	.00335
SDev	.00120	.00308	.00229	1.99	.00458	.0203	.00018
%RSD	1.1695	205.39	116.83	1.7004	12.623	1.1730	5.4412
#1	.10177	.00367	.00034	118.42	.03303	1.7487	.00348
#2	.10347	-.00068	.00358	115.60	.03950	1.7199	.00322
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00328	100.32	.15695	.07715	.24333	179.65	52.577
SDev	.00040	1.81	.00165	.00132	.00506	3.34	.585
%RSD	12.315	1.8024	1.0499	1.7081	2.0791	1.8610	1.1118
#1	.00300	101.60	.15811	.07808	.24691	182.01	52.990
#2	.00357	99.041	.15578	.07622	.23975	177.28	52.164
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.5886	.01441	.11850	-.00187	5.8263	.00046	10.635
SDev	.0716	.00207	.00146	.00004	.2156	.00389	.199
%RSD	1.0868	14.355	1.2299	2.3075	3.7002	855.06	1.8755
#1	6.6393	.01587	.11953	-.00184	5.9787	-.00230	10.776
#2	6.5380	.01295	.11747	-.00190	5.6739	.00321	10.494
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.37364	.47234	.01170	.00304	-.00021	.11713	.09537
SDev	.00660	.00532	.00007	.00409	.00131	.00221	.00069
%RSD	1.7649	1.1266	.61839	134.44	638.58	1.8876	.72910
#1	.37830	.47610	.01165	.00015	.00072	.11557	.09488
#2	.36898	.46858	.01175	.00593	-.00113	.11870	.09586
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
rge	.00476	-.00013	.0265	.6263	1.830
sDev	.00194	.00558	.0036	.0075	.032
%RSD	40.758	4252.2	13.46	1.199	1.738
#1	.00339	.00381	.0240	.6316	1.853
#2	.00613	-.00408	.0291	.6210	1.808
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6864	--	--	--	--	--	--
SDev	121.2830	--	--	--	--	--	--
%RSD	1.766953	--	--	--	--	--	--
#1	6778	--	--	--	--	--	--
#2	6950	--	--	--	--	--	--

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

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03392	.00026	-.00013	93.638	.08960	.81706	.00298
SDev	.00135	.00639	.00154	.213	.00964	.00063	.00014
%RSD	3.9903	2499.9	1188.1	.22702	10.758	.07716	4.5703
#1	.03296	-.00426	.00096	93.788	.08279	.81661	.00308
#2	.03487	.00478	-.00122	93.488	.09642	.81751	.00289
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00086	31.149	.14314	.06337	.25118	156.28	40.756
SDev	.00048	.068	.00122	.00038	.00104	.06	.035
%RSD	55.535	.21827	.85221	.59998	.41393	.03696	.08611
#1	.00120	31.101	.14400	.06364	.25192	156.24	40.731
#2	.00052	31.197	.14228	.06310	.25044	156.32	40.781
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.1898	.01084	.13597	-.00141	4.5538	.00047	9.2981
SDev	.0106	.00002	.00058	.00021	.1235	.00231	.0209
%RSD	.25417	.16701	.42952	14.804	2.7121	485.73	.22518
#1	4.1823	.01082	.13556	-.00155	4.6411	-.00116	9.3129
#2	4.1973	.01085	.13638	-.00126	4.4664	.00210	9.2833
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.33534	.44026	.00996	-.00169	.00300	.04577	.02800
SDev	.00005	.00064	.01272	.00076	.00310	.00283	.00061
%RSD	.01592	.14572	127.67	44.898	103.27	6.1929	2.1927
#1	.33530	.43980	.00097	-.00115	.00519	.04376	.02756
#2	.33538	.44071	.01895	-.00223	.00081	.04777	.02843
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
vge	.00112	-.00018	.0168	.3251	1.548
SDev	.00050	.00983	.0012	.0004	.004
%RSD	44.235	5548.4	7.372	.1376	.2262
#1	.00147	-.00713	.0160	.3248	1.545
#2	.00077	.00677	.0177	.3255	1.550
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6970	--	--	--	--	--	--
SDev	35.01594	--	--	--	--	--	--
%RSD	.5023491	--	--	--	--	--	--
#1	6946	--	--	--	--	--	--
#2	6995	--	--	--	--	--	--

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

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03442	.00418	.00186	94.010	.06999	.45585	.00385
SDev	.00162	.00065	.00148	.043	.00511	.00038	.00015
%RSD	4.7224	15.586	79.439	.04551	7.2952	.08296	3.9203
#1	.03327	.00372	.00082	94.041	.06638	.45612	.00396
#2	.03557	.00465	.00291	93.980	.07360	.45558	.00374
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00179	29.736	.24004	.05891	.18973	162.67	37.339
SDev	.00032	.024	.00093	.00056	.00143	.02	.030
%RSD	17.748	.08237	.38938	.95897	.75385	.01465	.08119
#1	.00157	29.719	.23938	.05931	.19074	162.66	37.360
#2	.00202	29.753	.24070	.05851	.18872	162.69	37.317
rrors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
ıigh	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0366	.00659	.10924	-.00105	7.5911	-.00241	7.0607
SDev	.0049	.00006	.00175	.00001	.1196	.00912	.0066
%RSD	.24274	.84625	1.5984	.49162	1.5749	378.52	.09319
#1	2.0331	.00655	.10800	-.00105	7.6757	-.00886	7.0560
#2	2.0401	.00662	.11047	-.00105	7.5066	.00404	7.0653
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.31546	.30637	.01354	.00095	.00370	.04821	.02753
SDev	.00120	.00018	.00005	.00151	.00143	.00122	.00183
%RSD	.38013	.06043	.33780	159.24	38.583	2.5221	6.6459
#1	.31462	.30650	.01357	-.00012	.00269	.04735	.02624
#2	.31631	.30623	.01351	.00201	.00471	.04907	.02883
ırrors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.00440	.00408	.0384	.3491	1.957
SDev	.00228	.00016	.0003	.0001	.002
%RSD	51.693	3.8886	.7087	.0355	.1079
#1	.00279	.00419	.0386	.3492	1.959
#2	.00601	.00396	.0382	.3490	1.956
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6958	--	--	--	--	--	--
SDev	50.57229	--	--	--	--	--	--
%RSD	.7268515	--	--	--	--	--	--
#1	6922	--	--	--	--	--	--
#2	6993	--	--	--	--	--	--

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

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05903	-.00244	-.00183	241.43	.02853	.87778	.00671
SDev	.00094	.00101	.00538	.27	.00068	.00047	.00015
%RSD	1.5926	41.461	294.24	.11066	2.3736	.05293	2.2402
#1	.05837	-.00173	-.00563	241.62	.02805	.87745	.00682
#2	.05970	-.00316	.00198	241.24	.02901	.87810	.00661
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00434	29.721	.31465	.07659	.19867	258.31	68.616
SDev	.00030	.039	.00043	.00025	.00083	.11	.027
%RSD	6.9598	.13022	.13616	.32176	.41786	.04103	.03931
#1	.00456	29.694	.31435	.07642	.19925	258.24	68.597
#2	.00413	29.749	.31495	.07677	.19808	258.39	68.635
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.0055	.00761	.19075	-.00221	25.335	.00811	15.086
SDev	.0068	.00514	.00113	.00020	.103	.00487	.010
%RSD	.22530	67.519	.59163	9.0386	.40816	60.139	.06753
#1	3.0007	.01124	.18995	-.00207	25.409	.01155	15.094
#2	3.0103	.00398	.19155	-.00235	25.262	.00466	15.079
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.39919	.76035	.01239	-.00235	-.00078	.08219	.04747
SDev	.00052	.00121	.00859	.00643	.00329	.00392	.00337
%RSD	.13008	.15956	69.329	273.16	421.58	4.7759	7.0970
#1	.39882	.75949	.01846	-.00690	-.00311	.08497	.04509
#2	.39956	.76121	.00631	.00219	.00155	.07941	.04986
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
vge	-.00070	-.00331	.1930	.4123	2.280
SDev	.00800	.00248	.0008	.0005	.008
%RSD	1141.0	74.796	.4107	.1223	.3377
#1	.00496	-.00506	.1935	.4119	2.286
#2	-.00636	-.00156	.1924	.4126	2.275
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6920	--	--	--	--	--	--
SDev	28.56705	--	--	--	--	--	--
%RSD	.4128066	--	--	--	--	--	--
#1	6900	--	--	--	--	--	--
#2	6940	--	--	--	--	--	--

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

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49875	.49403	.49309	24.165	.48727	1.9957	2.0724
SDev	.00186	.00193	.00261	.094	.00229	.0012	.0014
%RSD	.37314	.39126	.52849	.38953	.47006	.06150	.06661
#1	.50007	.49266	.49493	24.232	.48565	1.9948	2.0733
#2	.49743	.49539	.49125	24.098	.48889	1.9965	2.0714
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	.55000	.55000	27.500	.55000	2.2000	2.2000
Low	.45000	.45000	.45000	22.500	.45000	1.8000	1.8000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50599	103.63	2.0655	2.0259	1.9370	25.689	100.37
SDev	.00102	.14	.0015	.0021	.0050	.029	.03
%RSD	.20098	.13095	.07421	.10352	.25908	.11261	.02662
#1	.50527	103.73	2.0644	2.0274	1.9406	25.709	100.35
#2	.50671	103.54	2.0666	2.0244	1.9335	25.669	100.39
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	110.00	2.2000	2.2000	2.2000	27.500	110.00
Low	.45000	90.000	1.8000	1.8000	1.8000	22.500	90.000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0473	2.0004	2.0308	.99446	49.327	.97004	2.0547
SDev	.0004	.0274	.0010	.00239	.227	.00875	.0023
%RSD	.01773	1.3676	.04843	.23997	.46067	.90235	.11305
#1	2.0470	1.9810	2.0301	.99614	49.488	.96386	2.0563
#2	2.0475	2.0197	2.0315	.99277	49.166	.97623	2.0530
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	2.2000	2.2000	2.2000	1.1000		1.1000	2.2000
Low	1.8000	1.8000	1.8000	.90000		.90000	1.8000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	2.0443	2.0537	1.9423	.48644	.50642	.51300	.49164
SDev	.0017	.0027	.0047	.00197	.00388	.00194	.00182
%RSD	.08416	.13127	.24144	.40507	.76594	.37916	.37000
#1	2.0456	2.0557	1.9456	.48783	.50916	.51437	.49292
#2	2.0431	2.0518	1.9390	.48504	.50368	.51162	.49035
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	2.2000	2.2000	2.2000				
Low	1.8000	1.8000	1.8000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.51105	.48553	1.981	2.039	2.006
SDev	.00536	.00558	.008	.001	.002
%RSD	1.0499	1.1486	.3795	.0436	.1127
#1	.51485	.48158	1.976	2.039	2.005
#2	.50726	.48947	1.987	2.040	2.008
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			2.200	2.200	2.200
Low			1.800	1.800	1.800

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6719	--	--	--	--	--	--
SDev	16.34839	--	--	--	--	--	--
%RSD	.2433028	--	--	--	--	--	--
#1	6708	--	--	--	--	--	--
#2	6731	--	--	--	--	--	--

Analysis Report QC Standard 10/06/00 05:01:35 AM page 1

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

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00192	-.00051	.00131	-.08643	.00406	-.00001	.00017
SDev	.00140	.00475	.00104	.01075	.00490	.00000	.00012
%RSD	73.231	924.74	79.207	12.434	120.54	9.6298	71.817
#1	-.00291	-.00387	.00205	-.07883	.00753	-.00001	.00025
#2	-.00092	.00284	.00058	-.09403	.00060	-.00001	.00008
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.00500	.06000	.20000	.01000	.02000	.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00040	.01966	-.00005	.00050	.00084	-.00419	-.00013
SDev	.00002	.00036	.00010	.00069	.00003	.00604	.00552
%RSD	5.5218	1.8239	203.35	136.97	3.2806	144.20	4132.0
#1	-.00042	.01992	.00002	.00002	.00086	.00008	.00377
#2	-.00039	.01941	-.00012	.00099	.00082	-.00846	-.00404
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
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	.00241	.00044	-.00015	.28506	-.00408	.00109
SDev	.00000	.00001	.00000	.00021	.10228	.00069	.00000
%RSD	9.6298	.42505	.39969	139.20	35.880	16.800	.19018
#1	-.00001	.00242	.00044	-.00029	.21274	-.00457	.00109
#2	-.00001	.00240	.00044	-.00000	.35739	-.00360	.00109
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.01500	.04000	.04000	.01000	5.0000	.01000	.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	-.00001	-.00060	-.00573	.00221	-.00049	-.00199	-.00188
SDev	.00045	.00075	.00423	.00013	.00338	.00031	.00195
%RSD	7057.7	124.91	73.840	5.7338	693.78	15.414	103.70
#1	-.00032	-.00114	-.00274	.00212	.00190	-.00220	-.00326
#2	.00031	-.00007	-.00872	.00230	-.00288	-.00177	-.00050
rrors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.00000	.00000	.00000				
Range	.05000	.02000	.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

001266

BOE-C6-0149684

Units			ppm	ppm	ppm
rge	.00651	-.00402	.0019	.0000	.0012
sDev	.00823	.00301	.0013	.0000	.0003
%RSD	126.40	74.890	69.95	.0000	21.78
#1	.00069	-.00615	.0010	.0000	.0010
#2	.01233	-.00189	.0028	.0000	.0014
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value			.0000	.0000	.0000
Range			.2000	.0500	.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6920	--	--	--	--	--	--
SDev	13.54828	--	--	--	--	--	--
%RSD	.1957713	--	--	--	--	--	--
#1	6911	--	--	--	--	--	--
#2	6930	--	--	--	--	--	--

Analysis Report 10/06/00 05:07:34 AM page 1

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

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04620	.00629	.00219	71.662	.02802	.44819	.00207
SDev	.00077	.00229	.00432	.102	.00032	.00052	.00013
%RSD	1.6597	36.422	197.47	.14303	1.1555	.11543	6.0492
#1	.04674	.00467	.00525	71.590	.02779	.44782	.00216
#2	.04566	.00791	-.00087	71.734	.02825	.44855	.00199
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00586	28.606	.18782	.05092	.13799	105.81	35.231
SDev	.00015	.004	.00026	.00082	.00042	.11	.011
%RSD	2.5762	.01336	.14019	1.6182	.30488	.10372	.03200
#1	.00575	28.609	.18801	.05150	.13769	105.89	35.223
#2	.00597	28.603	.18763	.05034	.13829	105.74	35.239
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.8706	.00940	.13272	-.00108	7.4875	.00004	6.3481
SDev	.0024	.00174	.00032	.00007	.0775	.00660	.0070
%RSD	.12956	18.548	.23840	6.5560	1.0351	14814.	.10963
#1	1.8723	.01064	.13294	-.00113	7.4327	.00472	6.3530
#2	1.8689	.00817	.13250	-.00103	7.5423	-.00463	6.3432
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.18729	.77757	.00657	.00454	-.00251	.05497	.04182
SDev	.00001	.00263	.00424	.00556	.00185	.00388	.00309
%RSD	.00532	.33806	64.559	122.46	73.661	7.0538	7.3774
#1	.18730	.77943	.00957	.00847	-.00120	.05223	.04401
#2	.18728	.77571	.00357	.00061	-.00382	.05771	.03964
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.00597	.00645	.0216	.2710	1.350
SDev	.01295	.00303	.0001	.0001	.004
%RSD	217.00	46.989	.2270	.0460	.3188
#1	-.00319	.00859	.0216	.2709	1.347
#2	.01512	.00431	.0215	.2711	1.353
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6953	--	--	--	--	--	--
SDev	16.51792	--	--	--	--	--	--
%RSD	.2375763	--	--	--	--	--	--
#1	6941	--	--	--	--	--	--
#2	6964	--	--	--	--	--	--

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

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05845	.00059	.00127	196.30	.06156	1.7065	.00602
SDev	.00023	.00264	.00154	.04	.00186	.0052	.00004
%RSD	.38851	446.08	121.23	.02080	3.0195	.30658	.60581
#1	.05861	.00246	.00237	196.33	.06025	1.7028	.00605
#2	.05829	-.00127	.00018	196.27	.06287	1.7102	.00599
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00430	35.476	.27318	.14634	.21470	259.28	66.834
SDev	.00108	.086	.00095	.00035	.00009	.82	.186
%RSD	24.973	.24230	.34645	.23824	.04296	.31793	.27859
#1	.00354	35.415	.27251	.14609	.21476	258.69	66.703
#2	.00506	35.537	.27385	.14659	.21463	259.86	66.966
rors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
gh	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.1935	.00652	.20656	-.00251	28.302	.00107	13.156
SDev	.0213	.00330	.00082	.00001	.050	.00226	.033
%RSD	.50866	50.563	.39508	.34662	.17828	211.23	.25007
#1	4.1784	.00885	.20598	-.00252	28.338	.00267	13.133
#2	4.2085	.00419	.20714	-.00251	28.267	-.00053	13.179
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.51646	.54094	.01056	.00021	.00340	.07890	.04823
SDev	.00294	.00131	.01271	.00118	.00228	.00281	.00106
%RSD	.56958	.24189	120.34	557.43	66.838	3.5617	2.2029
#1	.51438	.54001	.00157	.00105	.00501	.08089	.04748
#2	.51854	.54186	.01954	-.00062	.00179	.07691	.04899
rrors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.00311	-.00067	.1287	.4229	1.787
SDev	.00253	.00269	.0007	.0013	.008
%RSD	81.206	402.45	.5262	.3027	.4465
#1	.00490	.00123	.1292	.4220	1.793
#2	.00133	-.00257	.1282	.4238	1.782
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6936	--	--	--	--	--	--
SDev	36.76955	--	--	--	--	--	--
%RSD	.5301384	--	--	--	--	--	--
#1	6910	--	--	--	--	--	--
#2	6962	--	--	--	--	--	--

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

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.08752	-.00436	.00100	197.92	.08813	1.2955	.00715
SDev	.00054	.00189	.00051	.51	.00873	.0028	.00016
%RSD	.61879	43.271	50.585	.25634	9.9012	.21951	2.2571
#1	.08713	L-.00569	.00136	198.28	.09430	1.2975	.00727
#2	.08790	-.00302	.00064	197.56	.08196	1.2935	.00704
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00486	53.911	.31339	.13568	1.0249	303.64	86.637
SDev	.00045	.093	.00065	.00045	.0033	.21	.005
%RSD	9.2276	.17309	.20615	.33441	.31721	.06779	.00558
#1	.00454	53.845	.31385	.13536	1.0272	303.78	86.633
#2	.00518	53.977	.31294	.13600	1.0226	303.49	86.640
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.3377	.00884	.27821	-.00233	9.9610	.00631	15.663
SDev	.0064	.00675	.00157	.00046	.2133	.01211	.033
%RSD	.14667	76.346	.56450	19.921	2.1417	191.82	.21160
#1	4.3332	.01361	.27710	-.00200	10.112	-.00225	15.686
#2	4.3422	.00407	.27932	-.00266	9.8102	.01488	15.640
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.55755	.96730	.01151	.00074	.00153	.11119	.07570
SDev	.00059	.00172	.01684	.00261	.00675	.00024	.00093
%RSD	.10547	.17824	146.38	355.12	442.66	.21951	1.2335
#1	.55796	.96609	.02342	-.00111	.00630	.11136	.07504
#2	.55713	.96852	-.00040	.00258	-.00325	.11101	.07636
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
vge	-.00391	-.00458	.0380	.7361	1.806
sDev	.01047	.00805	.0028	.0001	.000
%RSD	267.82	175.84	7.441	.0191	.0195
#1	.00349	-.01028	.0400	.7362	1.807
#2	-.01131	.00111	.0360	.7360	1.806
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	7038	--	--	--	--	--	--
SDev	39.71123	--	--	--	--	--	--
%RSD	.5642082	--	--	--	--	--	--
#1	7010	--	--	--	--	--	--
#2	7066	--	--	--	--	--	--

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

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03555	.00232	.00160	155.15	.01839	.58773	.00442
SDev	.00048	.00115	.00044	.13	.00142	.00081	.00015
%RSD	1.3535	49.581	27.523	.08619	7.6961	.13764	3.5115
#1	.03521	.00151	.00129	155.25	.01739	.58830	.00453
#2	.03589	.00313	.00191	155.06	.01939	.58716	.00431
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00275	17.667	.20804	.05543	.14879	175.68	47.952
SDev	.00025	.021	.00034	.00010	.00012	.05	.027
%RSD	9.0692	.12072	.16162	.18716	.07967	.02992	.05530
#1	.00293	17.682	.20780	.05536	.14871	175.71	47.971
#2	.00258	17.652	.20828	.05551	.14888	175.64	47.933
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0405	.00911	.11626	-.00107	13.944	.00071	9.2370
SDev	.0033	.00169	.00152	.00061	.004	.00213	.0008
%RSD	.16108	18.567	1.3049	56.998	.03154	300.35	.00851
#1	2.0381	.01031	.11733	-.00064	13.947	-.00080	9.2365
#2	2.0428	.00792	.11519	-.00151	13.941	.00221	9.2376
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.24850	.48051	.00864	.00104	.00272	.05318	.02674
SDev	.00063	.00005	.01279	.00041	.00051	.00322	.00233
%RSD	.25193	.01129	148.00	39.092	18.626	6.0492	8.7044
#1	.24894	.48055	.01769	.00076	.00236	.05546	.02509
#2	.24805	.48047	-.00040	.00133	.00308	.05091	.02839
rrors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
rge	.00248	.00224	.1623	.3385	1.680
sDev	.00774	.00214	.0012	.0001	.005
%RSD	312.42	95.431	.7493	.0392	.3249
#1	-.00300	.00375	.1632	.3386	1.684
#2	.00795	.00073	.1615	.3384	1.676
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6942	--	--	--	--	--	--
SDev	52.32590	--	--	--	--	--	--
%RSD	.7537670	--	--	--	--	--	--
#1	6905	--	--	--	--	--	--
#2	6979	--	--	--	--	--	--

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

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04492	.00278	.00328	251.83	.02490	.88216	.00744
SDev	.00166	.00293	.00353	.14	.00288	.00174	.00007
%RSD	3.7003	105.27	107.62	.05733	11.550	.19700	.89093
#1	.04610	.00486	.00078	251.93	.02693	.88339	.00749
#2	.04375	.00071	.00578	251.73	.02286	.88093	.00739
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00471	22.450	.29958	.09823	.19198	279.73	71.527
SDev	.00038	.036	.00149	.00038	.00086	.00	.081
%RSD	7.9852	.16129	.49794	.38654	.44633	.00005	.11347
#1	.00497	22.424	.30063	.09850	.19259	279.73	71.584
#2	.00444	22.476	.29852	.09797	.19138	279.73	71.469
rrors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
igh	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.5885	.00744	.18535	-.00194	27.099	.01249	12.800
SDev	.0005	.00157	.00155	.00026	.033	.00794	.007
%RSD	.01302	21.132	.83800	13.424	.12182	63.559	.05225
#1	3.5882	.00856	.18645	-.00176	27.122	.01810	12.804
#2	3.5888	.00633	.18425	-.00213	27.075	.00688	12.795
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.37342	.64819	.01230	.00321	.00342	.07195	.03143
SDev	.00163	.00053	.00010	.00354	.00351	.00518	.00009
%RSD	.43775	.08195	.78059	110.23	102.70	7.1981	.29713
#1	.37226	.64856	.01236	.00071	.00094	.07561	.03136
#2	.37457	.64781	.01223	.00572	.00591	.06829	.03150
rrors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.00063	.00386	.2925	.3835	1.853
SDev	.01048	.00084	.0024	.0008	.004
%RSD	1676.1	21.673	.8332	.2076	.1939
#1	.00803	.00327	.2942	.3840	1.855
#2	-.00678	.00445	.2908	.3829	1.850
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6970	--	--	--	--	--	--
SDev	58.26553	--	--	--	--	--	--
%RSD	.8359138	--	--	--	--	--	--
#1	6929	--	--	--	--	--	--
#2	7011	--	--	--	--	--	--

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

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06600	.00119	-.00182	202.73	.03258	1.2112	.00583
SDev	.00060	.00393	.00165	.21	.00645	.0024	.00004
%RSD	.90288	329.69	90.508	.10418	19.781	.20164	.66427
#1	.06643	.00397	-.00298	202.88	.02802	1.2129	.00586
#2	.06558	-.00159	-.00066	202.58	.03714	1.2095	.00580
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00319	28.463	.21731	.09472	.16849	217.53	44.410
SDev	.00042	.028	.00120	.00084	.00057	.10	.041
%RSD	13.251	.09972	.55383	.88365	.34038	.04391	.09232
#1	.00349	28.443	.21816	.09531	.16890	217.46	44.439
#2	.00289	28.483	.21646	.09413	.16809	217.60	44.381
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.7228	.00734	.12937	-.00248	6.2020	.00159	13.625
SDev	.0049	.00335	.00018	.00019	.0169	.00384	.018
%RSD	.10358	45.585	.14180	7.7143	.27209	241.22	.12873
#1	4.7193	.00971	.12950	-.00235	6.2139	-.00112	13.612
#2	4.7263	.00497	.12924	-.00262	6.1901	.00431	13.637
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.44942	.47753	.01132	-.00362	.00179	.08651	.05577
SDev	.00073	.00052	.00415	.00177	.00140	.00121	.00029
%RSD	.16254	.10788	36.695	48.833	78.605	1.3941	.52242
#1	.44994	.47717	.00838	-.00487	.00079	.08736	.05597
#2	.44890	.47789	.01426	-.00237	.00278	.08566	.05556
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
vge	.00305	.00027	.0437	.3389	2.186
sDev	.00179	.00500	.0024	.0004	.012
%RSD	58.662	1884.1	5.401	.1133	.5681
#1	.00432	.00380	.0420	.3391	2.194
#2	.00179	-.00327	.0454	.3386	2.177
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	7012	--	--	--	--	--	--
SDev	43.98183	--	--	--	--	--	--
%RSD	.6272814	--	--	--	--	--	--
#1	6980	--	--	--	--	--	--
#2	7043	--	--	--	--	--	--

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

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04227	.00637	.00228	137.30	.02624	1.5463	.00458
SDev	.00093	.00080	.00376	.05	.00394	.0042	.00014
%RSD	2.1965	12.636	165.40	.03892	15.004	.27304	3.0611
#1	.04293	.00693	.00494	137.27	.02346	1.5493	.00468
#2	.04161	.00580	-.00039	137.34	.02902	1.5434	.00448
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00239	22.534	.17333	.09112	.14676	167.04	31.277
SDev	.00022	.013	.00027	.00053	.00047	.01	.071
%RSD	9.1843	.05579	.15836	.57961	.32394	.00632	.22691
#1	.00254	22.543	.17352	.09149	.14709	167.05	31.327
#2	.00223	22.526	.17314	.09074	.14642	167.03	31.227
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	5.2012	.00596	.10991	-.00215	4.5236	.00504	11.076
SDev	.0005	.00166	.00052	.00019	.0789	.00271	.011
%RSD	.00991	27.826	.47581	9.0149	1.7431	53.791	.10273
#1	5.2015	.00714	.11028	-.00202	4.5793	.00312	11.084
#2	5.2008	.00479	.10954	-.00229	4.4678	.00696	11.068
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.35493	.33196	.01433	.00298	.00086	.06076	.03304
SDev	.00130	.00052	.00413	.00517	.00096	.00167	.00056
%RSD	.36656	.15566	28.831	173.29	110.90	2.7537	1.6850
#1	.35585	.33159	.01141	.00663	.00154	.06194	.03344
#2	.35401	.33232	.01726	-.00067	.00019	.05957	.03265
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	.00647	.00631	.0276	.2968	2.374
SDev	.00383	.00071	.0012	.0005	.034
%RSD	59.299	11.225	4.250	.1834	1.418
#1	.00918	.00581	.0268	.2972	2.398
#2	.00376	.00682	.0284	.2964	2.351
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	7086	--	--	--	--	--	--
SDev	33.57342	--	--	--	--	--	--
%RSD	.4738140	--	--	--	--	--	--
#1	7062	--	--	--	--	--	--
#2	7110	--	--	--	--	--	--

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

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06079	-.00197	.00070	272.07	.04200	1.3415	.00737
SDev	.00070	.00474	.00266	.36	.00206	.0008	.00006
%RSD	1.1464	240.31	380.99	.13215	4.8988	.05797	.78492
#1	.06128	L-.00533	-.00118	272.33	.04055	1.3410	.00741
#2	.06030	.00138	.00258	271.82	.04346	1.3421	.00733
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00554	41.922	.30385	.12366	.21240	311.99	73.584
SDev	.00006	.078	.00053	.00051	.00001	.20	.030
%RSD	1.1094	.18527	.17407	.41479	.00668	.06542	.04115
#1	.00558	41.867	.30347	.12403	.21241	311.85	73.563
#2	.00550	41.977	.30422	.12330	.21239	312.13	73.605
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
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	4.9792	.00964	.18925	-.00298	10.065	.00472	15.797
SDev	.0134	.00326	.00012	.00032	.118	.01218	.007
%RSD	.26952	33.864	.06216	10.827	1.1703	258.31	.04394
#1	4.9697	.01195	.18933	-.00275	10.148	-.00390	15.792
#2	4.9887	.00733	.18916	-.00321	9.9817	.01333	15.802
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.62720	.63052	.01011	.00012	.00185	.08720	.04760
SDev	.00059	.00099	.00009	.00602	.00407	.00588	.00189
%RSD	.09344	.15718	.87554	4916.4	220.42	6.7495	3.9776
#1	.62678	.62982	.01017	-.00413	.00473	.09136	.04626
#2	.62761	.63122	.01005	.00438	-.00103	.08304	.04894
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	-.00057	-.00268	.0473	.4830	2.154
SDev	.00633	.00396	.0030	.0004	.018
%RSD	1116.4	147.75	6.252	.0840	.8145
#1	-.00504	-.00547	.0494	.4827	2.167
#2	.00391	.00012	.0452	.4833	2.142
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	7025	--	--	--	--	--	--
SDev	50.99662	--	--	--	--	--	--
%RSD	.7259575	--	--	--	--	--	--
#1	6989	--	--	--	--	--	--
#2	7061	--	--	--	--	--	--

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

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05028	.00513	-.00070	194.88	.03508	1.0550	.00588
SDev	.00017	.00494	.00104	.12	.00028	.0002	.00015
%RSD	.33139	96.328	148.95	.06389	.78906	.01437	2.5628
#1	.05039	.00862	-.00143	194.79	.03527	1.0548	.00599
#2	.05016	.00164	.00004	194.97	.03488	1.0551	.00577
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00208	22.613	.22076	.09552	.14960	208.27	38.245
SDev	.00071	.058	.00088	.00000	.00104	.38	.036
%RSD	33.954	.25594	.39764	.00445	.69294	.18024	.09440
#1	.00258	22.572	.22138	.09551	.15033	208.00	38.220
#2	.00158	22.654	.22014	.09552	.14886	208.53	38.271
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.5624	.01009	.12676	-.00232	4.5575	.00699	12.326
SDev	.0160	.00162	.00003	.00014	.1000	.00204	.012
%RSD	.34979	16.086	.02072	6.1437	2.1946	29.164	.09859
#1	4.5512	.01124	.12678	-.00242	4.6282	.00555	12.318
#2	4.5737	.00894	.12674	-.00222	4.4868	.00843	12.335
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.43867	.40164	.00909	-.00076	-.00058	.07155	.03965
SDev	.00029	.00142	.00005	.00369	.00428	.00107	.00028
%RSD	.06538	.35381	.50504	488.54	744.35	1.4949	.71667
#1	.43847	.40063	.00912	-.00337	.00245	.07230	.03945
#2	.43887	.40264	.00905	.00186	-.00360	.07079	.03986
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
vge	.00747	.00396	.0323	.2753	2.171
SDev	.01585	.00051	.0002	.0003	.002
%RSD	212.14	12.797	.4982	.1151	.1127
#1	.01868	.00360	.0325	.2751	2.173
#2	-.00374	.00432	.0322	.2756	2.169
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	7057	--	--	--	--	--	--
SDev	36.23232	--	--	--	--	--	--
%RSD	.5134049	--	--	--	--	--	--
#1	7032	--	--	--	--	--	--
#2	7083	--	--	--	--	--	--

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

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.14699	-.00078	-.00277	208.70	.02722	1.1957	.00594
SDev	.00220	.00225	.00014	.54	.00455	.0003	.00005
%RSD	1.4991	290.22	5.1373	.25908	16.699	.02220	.79516
#1	.14544	-.00237	-.00267	209.08	.02400	1.1958	.00597
#2	.14855	.00082	-.00287	208.31	.03043	1.1955	.00591
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00357	34.174	.22713	.09474	.21211	232.86	50.407
SDev	.00002	.029	.00093	.00029	.00061	.05	.049
%RSD	.46985	.08487	.41082	.30649	.28629	.02236	.09816
#1	.00356	34.154	.22647	.09495	.21254	232.90	50.442
#2	.00358	34.195	.22779	.09454	.21169	232.83	50.372
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.2150	.01017	.13915	-.00218	8.1820	.00326	13.395
SDev	.0097	.00163	.00209	.00026	.1151	.00100	.008
%RSD	.23024	16.015	1.5013	11.833	1.4064	30.624	.06013
#1	4.2082	.01132	.13767	-.00200	8.2634	.00397	13.389
#2	4.2219	.00902	.14062	-.00236	8.1006	.00256	13.401
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.47101	.48073	.01085	-.00352	-.00127	.17311	.13396
SDev	.00058	.00132	.00413	.00133	.00310	.00384	.00138
%RSD	.12336	.27517	38.064	37.899	243.53	2.2208	1.0335
#1	.47142	.47980	.00793	-.00447	.00092	.17039	.13298
#2	.47060	.48167	.01377	-.00258	-.00347	.17583	.13494
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
vge	.00116	-.00174	.0406	.3940	2.078
SDev	.00639	.00657	.0010	.0001	.000
%RSD	551.18	376.96	2.481	.0349	.0031
#1	.00568	-.00639	.0399	.3941	2.078
#2	-.00336	.00290	.0414	.3939	2.078
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	7058	--	--	--	--	--	--
SDev	52.83517	--	--	--	--	--	--
%RSD	.7485814	--	--	--	--	--	--
#1	7021	--	--	--	--	--	--
#2	7095	--	--	--	--	--	--

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

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49743	.49406	.49149	24.053	.49122	1.9861	2.0679
SDev	.00032	.00343	.00449	.134	.01024	.0009	.0001
%RSD	.06431	.69364	.91253	.55751	2.0852	.04688	.00708
#1	.49765	.49648	.48832	24.148	.49846	1.9854	2.0678
#2	.49720	.49164	.49467	23.958	.48398	1.9867	2.0680
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	.55000	.55000	27.500	.55000	2.2000	2.2000
Low	.45000	.45000	.45000	22.500	.45000	1.8000	1.8000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50531	103.57	2.0607	2.0235	1.9283	25.594	99.929
SDev	.00261	.25	.0027	.0010	.0059	.033	.051
%RSD	.51647	.23983	.12889	.04942	.30812	.12886	.05111
#1	.50715	103.74	2.0626	2.0243	1.9325	25.617	99.965
#2	.50346	103.39	2.0588	2.0228	1.9241	25.571	99.892
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	2.0415	1.9930	2.0226	.99240	49.194	.96474	2.0449
SDev	.0004	.0241	.0058	.00105	.212	.00587	.0042
%RSD	.01903	1.2103	.28839	.10601	.43168	.60863	.20520
#1	2.0418	1.9760	2.0267	.99315	49.344	.96889	2.0419
#2	2.0412	2.0101	2.0185	.99166	49.044	.96058	2.0478
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	2.2000	2.2000	2.2000	1.1000		1.1000	2.2000
Low	1.8000	1.8000	1.8000	.90000		.90000	1.8000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	2.0378	2.0494	1.9780	.48478	.50493	.51534	.48849
SDev	.0001	.0030	.0000	.00562	.00221	.00484	.00194
%RSD	.00353	.14750	.00009	1.1594	.43779	.93905	.39640
#1	2.0377	2.0515	1.9780	.48081	.50337	.51876	.48712
#2	2.0378	2.0472	1.9780	.48876	.50650	.51191	.48986
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	2.2000	2.2000	2.2000				
Low	1.8000	1.8000	1.8000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
\vge	.51287	.48467	1.970	2.031	1.992
SDev	.00387	.00321	.004	.000	.001
%RSD	.75390	.66180	.1933	.0026	.0411
#1	.51561	.48693	1.967	2.031	1.992
#2	.51014	.48240	1.972	2.031	1.993
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			2.200	2.200	2.200
Low			1.800	1.800	1.800

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6736	--	--	--	--	--	--
SDev	15.04708	--	--	--	--	--	--
%RSD	.2233950	--	--	--	--	--	--
#1	6725	--	--	--	--	--	--
#2	6746	--	--	--	--	--	--

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

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00120	.00148	.00035	-.10971	.00034	-.00002	-.00009
SDev	.00073	.00421	.00090	.00103	.00045	.00000	.00000
%RSD	60.428	284.77	256.62	.94150	129.99	2.0288	.34142
#1	-.00172	.00446	-.00028	-.10898	.00066	-.00002	-.00009
#2	-.00069	-.00150	.00098	-.11044	.00003	-.00002	-.00009
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.00500	.06000	.20000	.01000	.02000	.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00037	.01131	-.00043	.00053	.00020	-.00180	-.00056
SDev	.00027	.00024	.00028	.00066	.00002	.01424	.00176
%RSD	73.256	2.1683	64.301	125.01	8.8759	792.61	317.31
#1	-.00018	.01114	-.00023	.00099	.00019	.00827	-.00180
#2	-.00057	.01148	-.00062	.00006	.00022	-.01186	.00069
rrors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
alue	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00002	.00218	-.00089	-.00005	.34555	.00175	.00114
SDev	.00000	.00001	.00061	.00007	.00855	.00171	.00000
%RSD	2.0288	.23505	68.384	124.43	2.4736	97.413	.11777
#1	-.00002	.00218	-.00046	-.00010	.35159	.00296	.00114
#2	-.00002	.00219	-.00132	-.00001	.33950	.00055	.00114
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.01500	.04000	.04000	.01000	5.0000	.01000	.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	-.00002	-.00021	.00100	.00188	-.00271	-.00061	-.00150
SDev	.00043	.00001	.00406	.00178	.00088	.00201	.00009
%RSD	2045.8	4.6090	405.98	94.939	32.318	330.11	5.8156
#1	.00028	-.00022	-.00187	.00062	-.00209	-.00203	-.00156
#2	-.00032	-.00020	.00387	.00314	-.00333	.00081	-.00144
rrors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.00000	.00000	.00000				
Range	.05000	.02000	.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
vge	.00102	.00171	.0028	.0000	<.0000
SDev	.00979	.00143	.0000	.0000	.0002
%RSD	957.84	83.609	.0913	.0000	2.895
#1	.00795	.00272	.0028	.0000	<.0000
#2	-.00590	.00070	.0028	.0000	<.0000
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value			.0000	.0000	.0000
Range			.2000	.0500	.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	7251	--	--	--	--	--	--
SDev	10.15396	--	--	--	--	--	--
%RSD	.1400403	--	--	--	--	--	--
#1	7258	--	--	--	--	--	--
#2	7244	--	--	--	--	--	--

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

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05977	.00340	-.00131	273.37	.03349	1.1960	.00775
SDev	.00048	.00304	.00106	.06	.00089	.0021	.00017
%RSD	.80106	89.502	80.510	.02063	2.6724	.17625	2.1517
#1	.05943	.00125	-.00206	273.33	.03286	1.1974	.00787
#2	.06011	.00555	-.00057	273.41	.03412	1.1945	.00764
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00325	24.136	.27122	.13592	.29339	272.03	45.930
SDev	.00047	.006	.00111	.00041	.00066	.07	.017
%RSD	14.363	.02437	.40891	.30299	.22649	.02609	.03785
#1	.00358	24.132	.27201	.13563	.29386	271.98	45.943
#2	.00292	24.140	.27044	.13621	.29292	272.08	45.918
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	5.3689	.01519	.14439	-.00288	6.5187	.00803	13.226
SDev	.0028	.00340	.00083	.00033	.0907	.00203	.001
%RSD	.05214	22.362	.57491	11.462	1.3910	25.321	.00821
#1	5.3669	.01759	.14498	-.00264	6.5828	.00946	13.227
#2	5.3708	.01279	.14380	-.00311	6.4546	.00659	13.226
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.56113	.50047	.01803	-.00105	-.00185	.08678	.04628
SDev	.00064	.00140	.01690	.00300	.00283	.00141	.00142
%RSD	.11466	.27887	93.727	286.95	153.08	1.6216	3.0688
#1	.56159	.49948	.00608	-.00317	.00015	.08777	.04528
#2	.56068	.50146	.02998	.00108	-.00386	.08578	.04729
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	.01288	-.00134	.0487	.3116	2.279		
SDev	.00526	.00718	.0010	.0001	.004		
%RSD	40.814	535.90	2.157	.0447	.1897		
#1	.01660	-.00642	.0480	.3117	2.282		
#2	.00917	.00374	.0495	.3115	2.275		
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass		
High			110.0	5.500	55.00		
Low			-.2000	-.0500	-.5000		
IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6954	--	--	--	--	--	--
SDev	39.85244	--	--	--	--	--	--
%RSD	.5730783	--	--	--	--	--	--
#1	6926	--	--	--	--	--	--
#2	6982	--	--	--	--	--	--

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

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05113	.00009	-.00161	287.72	.03563	1.8432	.00863
SDev	.00364	.00320	.00218	.26	.00186	.0048	.00017
%RSD	7.1122	3584.5	135.45	.09081	5.2140	.26309	1.9391
#1	.04856	.00235	-.00316	287.90	.03432	1.8398	.00875
#2	.05370	-.00217	-.00007	287.53	.03694	1.8466	.00851
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00343	37.685	.32845	.11727	.16679	290.91	62.279
SDev	.00024	.020	.00069	.00087	.00065	.02	.192
%RSD	7.1340	.05373	.20968	.74498	.38872	.00728	.30854
#1	.00326	37.671	.32796	.11788	.16725	290.89	62.144
#2	.00360	37.699	.32893	.11665	.16633	290.92	62.415
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.0499	.00882	.19436	-.00292	9.2698	.00178	15.561
SDev	.0223	.00160	.00104	.00026	.1296	.00402	.021
%RSD	.44230	18.196	.53491	8.8628	1.3976	226.02	.13724
#1	5.0341	.00995	.19510	-.00274	9.3614	.00462	15.546
#2	5.0657	.00768	.19363	-.00311	9.1782	-.00106	15.576
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.55797	.56577	.01340	-.00276	.00069	.07879	.03733
SDev	.00085	.00343	.00427	.00377	.00100	.00122	.00484
%RSD	.15268	.60546	31.838	136.54	144.15	1.5541	12.969
#1	.55737	.56335	.01642	-.00543	.00140	.07792	.03390
#2	.55857	.56819	.01038	-.00010	-.00001	.07965	.04075
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
vge	.00892	-.00432	.0710	.4645	2.277
SDev	.00384	.00288	.0022	.0012	.010
%RSD	43.006	66.580	3.145	.2572	.4267
#1	.01164	-.00229	.0694	.4636	2.270
#2	.00621	-.00636	.0726	.4653	2.284
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	7065	--	--	--	--	--	--
SDev	37.70281	--	--	--	--	--	--
%RSD	.5336395	--	--	--	--	--	--
#1	7039	--	--	--	--	--	--
#2	7092	--	--	--	--	--	--

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

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.09271	-.00051	.00099	205.82	.03391	1.1913	.00593
SDev	.00264	.00364	.00244	.73	.01262	.0071	.00006
%RSD	2.8423	707.82	246.66	.35293	37.215	.60009	.93378
#1	.09085	-.00309	.00271	206.34	.02499	1.1964	.00597
#2	.09457	.00206	-.00074	205.31	.04283	1.1863	.00589
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00259	39.098	.22391	.10564	.20982	230.87	49.848
SDev	.00014	.123	.00106	.00041	.00116	.91	.269
%RSD	5.4061	.31578	.47233	.38977	.55240	.39388	.53904
#1	.00249	39.186	.22465	.10593	.21064	231.52	50.038
#2	.00269	39.011	.22316	.10535	.20900	230.23	49.658
rors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
igh	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.9313	.00760	.14584	-.00263	8.2749	.00605	13.476
SDev	.0180	.00168	.00191	.00002	.0621	.00376	.051
%RSD	.36511	22.054	1.3109	.75918	.75063	62.241	.37782
#1	4.9440	.00878	.14719	-.00265	8.3188	.00339	13.512
#2	4.9186	.00641	.14448	-.00262	8.2310	.00871	13.440
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.46371	.49692	.01683	.00192	-.00087	.11200	.08308
SDev	.00065	.00160	.00426	.00272	.00188	.00125	.00333
%RSD	.14102	.32101	25.285	142.07	216.42	1.1160	4.0041
#1	.46417	.49805	.01984	.00384	.00046	.11111	.08073
#2	.46325	.49580	.01382	-.00001	-.00219	.11288	.08543
rrors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.00526	-.00340	.0424	.4089	1.981
SDev	.00229	.00431	.0017	.0021	.030
%RSD	43.523	126.93	3.931	.5103	1.504
#1	.00364	-.00645	.0436	.4104	2.002
#2	.00688	-.00035	.0412	.4074	1.960
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	7078	--	--	--	--	--	--
SDev	62.25371	--	--	--	--	--	--
%RSD	.8795208	--	--	--	--	--	--
#1	7034	--	--	--	--	--	--
#2	7122	--	--	--	--	--	--

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

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00199	-.00179	.00269	-.08022	.00247	-.00017	-.00000
SDev	.00033	.00415	.00428	.01113	.00064	.00022	.00012
%RSD	16.591	232.35	159.26	13.875	25.676	127.25	2700.5
#1	-.00222	-.00472	.00572	-.08809	.00292	-.00033	-.00009
#2	-.00175	.00115	-.00034	-.07235	.00203	-.00002	.00008
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.00500	.06000	.20000	.01000	.02000	.00500
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00071	.01318	-.00113	-.00042	-.00018	.01459	-.00549
SDev	.00038	.00048	.00113	.00066	.00029	.00863	.00536
%RSD	54.421	3.6632	99.625	157.88	155.28	59.179	97.577
#1	-.00098	.01284	-.00193	-.00088	-.00039	.00848	-.00927
#2	-.00043	.01352	-.00034	.00005	.00002	.02069	-.00170
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00014	.00105	-.00133	-.00066	-.04301	-.00457	.00138
SDev	.00022	.00169	.00123	.00053	.30633	.00084	.00036
%RSD	160.46	160.32	92.436	79.987	712.15	18.463	25.711
#1	-.00002	-.00014	-.00220	-.00104	-.25962	-.00397	.00113
#2	.00029	.00225	-.00046	-.00029	.17359	-.00516	.00163
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.01500	.04000	.04000	.01000	5.0000	.01000	.05000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	-.00033	.00034	.00957	.00507	-.00208	-.00554	-.00022
SDev	.00000	.00073	.00826	.00554	.00176	.00303	.00102
%RSD	.10976	214.19	86.272	109.30	84.684	54.727	473.07
#1	-.00033	-.00018	.01541	.00899	-.00083	-.00768	.00051
#2	-.00032	.00086	.00373	.00115	-.00333	-.00340	-.00094
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.05000	.02000	.10000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
vge	-.00167	-.00184	.0010	.0000	<.0000
SDev	.00646	.00300	.0000	.0000	.0022
%RSD	386.97	162.47	.0000	.0000	26.23
#1	-.00624	-.00396	.0010	.0000	<.0000
#2	.00290	.00027	.0010	.0000	<.0000
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			.2000	.0500	.5000
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	7174	--	--	--	--	--	--
SDev	19.60115	--	--	--	--	--	--
%RSD	.2732165	--	--	--	--	--	--
#1	7188	--	--	--	--	--	--
#2	7160	--	--	--	--	--	--

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

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49351	2.0282	.48887	1.7672	1.9982	2.0991	.05230
SDev	.03633	.1358	.02421	.1277	.1467	.1633	.00355
%RSD	7.3626	6.6932	4.9519	7.2248	7.3390	7.7799	6.7849
#1	.51921	2.1242	.50599	1.8575	2.1019	2.2146	.05481
#2	.46782	1.9322	.47175	1.6770	1.8946	1.9836	.04979
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.60000	2.4000	.60000	2.4000	2.4000	2.4000	.06000
Low	.40000	1.6000	.40000	1.6000	1.6000	1.6000	.04000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05207	L.01887	.21714	.54390	.24813	1.1026	L-.00367
SDev	.00414	.00015	.01954	.04633	.01687	.0811	.00180
%RSD	7.9458	.78269	9.0003	8.5183	6.7996	7.3589	49.019
#1	.05499	L.01876	.23096	.57666	.26006	1.1599	L-.00240
#2	.04914	L.01897	.20332	.51114	.23620	1.0452	L-.00494
rors	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
gh	.06000	60.000	.24000	.60000	.30000	1.2000	60.000
Low	.04000	40.000	.16000	.40000	.20000	.80000	40.000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.56300	1.0103	.53651	.04689	.07813	1.9103	L.00105
SDev	.04823	.0721	.04491	.00187	.26626	.1466	.00000
%RSD	8.5662	7.1407	8.3700	3.9969	340.77	7.6717	.34105
#1	.59711	1.0613	.56827	.04822	-.11014	2.0139	L.00104
#2	.52890	.95931	.50476	.04557	.26641	1.8066	L.00105
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Low
High	.60000	1.2000	.60000	.06000		2.4000	1.2000
Low	.40000	.80000	.40000	.04000		1.6000	.80000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.53079	.54828	L.00029	.48517	.49627	.48996	.49528
SDev	.03733	.04703	.00425	.02494	.02274	.01541	.04678
%RSD	7.0329	8.5780	1457.2	5.1404	4.5827	3.1450	9.4456
#1	.55719	.58153	L-.00272	.50281	.51236	.50086	.52837
#2	.50440	.51502	L.00330	.46754	.48019	.47907	.46220
rors	LC Pass	LC Pass	LC Low	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.60000	.60000	2.4000				
Low	.40000	.40000	1.6000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
vge	2.0293	2.0276	.0057	L.0000	L.0358
SDev	.0807	.1632	.0013	.0000	.0011
%RSD	3.9789	8.0494	23.43	.0000	3.011
#1	2.0864	2.1430	.0066	L.0000	L.0365
#2	1.9722	1.9122	.0047	L.0000	L.0350
Errors	NOCHECK	NOCHECK	NOCHECK	LC Low	LC Low
High				1.200	12.00
Low				.8000	8.000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6938	--	--	--	--	--	--
SDev	4.723252	--	--	--	--	--	--
%RSD	.0680755	--	--	--	--	--	--
#1	6942	--	--	--	--	--	--
#2	6935	--	--	--	--	--	--

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

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.22329	.00539	.01445	.78206	.00874	.26225	.00007
SDev	.02278	.00038	.00942	.00733	.00231	.03242	.00023
%RSD	10.200	7.0916	65.200	.93748	26.504	12.361	319.72
#1	.20719	.00512	.02112	.78724	.01037	.23933	-.00009
#2	.23940	.00566	.00779	.77687	.00710	.28517	.00024
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00046	9.5128	.00663	.00143	.05472	1.7603	.99127
SDev	.00023	.9903	.00106	.00068	.00549	.1094	.12429
%RSD	50.293	10.410	16.071	47.193	10.034	6.2160	12.539
#1	-.00063	8.8126	.00588	.00095	.05084	1.6829	.90338
#2	-.00030	10.213	.00738	.00191	.05860	1.8376	1.0792
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01813	.01694	.00353	-.00053	3.2704	.00005	.01088
SDev	.00181	.01358	.00064	.00061	.4196	.00747	.00002
%RSD	9.9784	80.192	18.009	114.13	12.831	13675.	.17104
#1	.01685	.02654	.00308	-.00096	2.9737	-.00523	.01086
#2	.01941	.00733	.00398	-.00010	3.5671	.00534	.01089
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.01115	.06576	.03312	.01949	.00437	.23506	.21741
SDev	.00134	.00756	.00841	.01349	.00129	.02440	.02196
%RSD	11.980	11.494	25.392	69.200	29.503	10.381	10.102
#1	.01021	.06041	.02718	.02902	.00529	.21781	.20188
#2	.01210	.07110	.03907	.00995	.00346	.25232	.23294
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.00571	.00523	.1089	.0423	3.252
SDev	.00193	.00039	.0146	.0047	.011
%RSD	33.853	7.5104	13.39	11.21	.3384
#1	.00435	.00551	.0986	.0389	3.244
#2	.00708	.00495	.1192	.0456	3.260
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	7059	--	--	--	--	--	--
SDev	15.21661	--	--	--	--	--	--
%RSD	.2155681	--	--	--	--	--	--
#1	7070	--	--	--	--	--	--
#2	7048	--	--	--	--	--	--

Analysis Report 10/06/00 07:39:29 AM

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

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.20343	L.00744	L.02529	L.43079	L.02495	.25029	L-.00003
SDev	.01809	.00270	.00270	.00967	.01413	.02760	.00059
%RSD	8.8938	36.323	10.678	2.2456	56.661	11.027	2013.0
#1	.19064	L.00936	L.02720	L.42395	L.03494	.23078	L-.00044
#2	.21623	L.00553	L.02338	L.43763	L.01495	.26981	L.00039
Errors	LC Pass	LC Low	LC Low	LC Low	LC Low	LC Pass	LC Low
High	55.000	11.000	5.5000	550.00	11.000	11.000	5.5000
Low	.07500	.17000	.10000	.63000	.24500	.01000	.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.00173	9.5328	L.00270	L.00256	.05030	1.6866	.92418
SDev	.00001	.4732	.00425	.00334	.00505	.0871	.12503
%RSD	.84546	4.9636	157.21	130.29	10.033	5.1654	13.528
#1	L-.00172	9.1982	L-.00030	L.00020	.04673	1.6250	.83578
#2	L-.00174	9.8674	L.00571	L.00492	.05386	1.7482	1.0126
Errors	LC Low	LC Pass	LC Low	LC Low	LC Pass	LC Pass	LC Pass
High	11.000	550.00	55.000	110.00	55.000	1100.0	1100.0
Low	.01500	.38500	.02000	.03500	.04000	.66500	.19000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01696	L.00553	L-.00011	L-.00215	3.9384	L-.00044	L.01197
SDev	.00219	.00845	.00310	.00301	1.2654	.00078	.00180
%RSD	12.926	152.72	2787.2	139.62	32.131	176.72	15.029
#1	.01541	L-.00044	L-.00231	L-.00428	3.0436	L-.00100	L.01070
#2	.01851	L.01151	L.00208	L-.00003	4.8332	L.00011	L.01324
Errors	LC Pass	LC Low	LC Low	LC Low	NOCHECK	LC Low	LC Low
High	27.500	27.500	110.00	2.2000		22.000	55.000
Low	.01000	.10500	.05500	.03000		.23500	.01500

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	L.01221	.06136	L.03299	.03890	-.00197	.21035	.19998
SDev	.00218	.00734	.02074	.00705	.00601	.01541	.01943
%RSD	17.857	11.960	62.876	18.115	304.67	7.3250	9.7176
#1	L.01375	.05617	L.04766	.04388	-.00622	.19946	.18624
#2	L.01067	.06655	L.01833	.03391	.00228	.22125	.21372
Errors	LC Low	LC Pass	LC Low	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	.02000	.03500	.46000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
vge	.01368	.00433	.1053	.0409	2.995
SDev	.00659	.00734	.0129	.0043	.212
%RSD	48.170	169.61	12.28	10.48	7.071
#1	.00902	.00952	.0962	.0379	2.845
#2	.01834	-.00086	.1145	.0439	3.145
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			55.00	5.500	55.00
Low			.0550	.0050	.2400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	7127	--	--	--	--	--	--
SDev	.6504830	--	--	--	--	--	--
%RSD	.0091275	--	--	--	--	--	--
#1	7127	--	--	--	--	--	--
#2	7126	--	--	--	--	--	--

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

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.74282	2.1157	.50606	2.8076	2.0445	2.3806	.05241
SDev	.05142	.2781	.06131	.2910	.3092	.3075	.00785
%RSD	6.9220	13.145	12.116	10.365	15.125	12.919	14.972
#1	.77918	2.3124	.54942	3.0133	2.2632	2.5981	.05796
#2	.70647	1.9191	.46271	2.6018	1.8259	2.1632	.04687
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05271	9.6287	.22670	.54850	.31039	2.9472	1.0166
SDev	.00800	.9426	.03567	.09154	.03076	.0670	.1020
%RSD	15.176	9.7894	15.736	16.690	9.9097	2.2727	10.031
#1	.05837	8.9622	.25192	.61323	.33214	2.9945	.94446
#2	.04706	10.295	.20147	.48376	.28864	2.8998	1.0887
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.58180	1.0273	.54516	.04687	3.3060	1.9549	.01186
SDev	.09214	.1414	.08706	.00590	.3757	.2806	.00060
%RSD	15.837	13.769	15.970	12.588	11.364	14.355	5.0987
#1	.64695	1.1273	.60672	.05104	3.0403	2.1533	.01229
#2	.51665	.92724	.48360	.04269	3.5716	1.7565	.01143
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.53769	.61797	.03312	.51315	.49187	.73861	.74493
SDev	.08064	.08299	.00860	.05949	.06496	.04099	.05663
%RSD	14.998	13.430	25.966	11.594	13.206	5.5490	7.6017
#1	.59471	.67665	.02704	.55522	.53780	.76759	.78497
#2	.48066	.55928	.03920	.47108	.44594	.70963	.70489
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	2.0568	2.1451	.1165	.0432	3.576
SDev	.2634	.2855	.0105	.0042	.054
%RSD	12.805	13.308	9.017	9.697	1.508
#1	2.2431	2.3470	.1091	.0402	3.614
#2	1.8706	1.9433	.1239	.0462	3.538
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	7051	--	--	--	--	--	--
SDev	82.98595	--	--	--	--	--	--
%RSD	1.176905	--	--	--	--	--	--
#1	7110	--	--	--	--	--	--
#2	6993	--	--	--	--	--	--

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

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.72974	2.1120	.51175	2.7275	2.0621	2.3864	.05172
SDev	.07765	.4250	.10954	.4032	.4537	.4577	.01126
%RSD	10.640	20.123	21.406	14.783	22.003	19.179	21.766
#1	.78465	2.4125	.58921	3.0126	2.3830	2.7100	.05968
#2	.67484	1.8115	.43429	2.4424	1.7413	2.0628	.04376
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05238	9.2787	.22819	.55425	.30423	2.8611	.96446
SDev	.01161	1.2969	.05420	.13357	.04393	.1007	.15116
%RSD	22.163	13.977	23.750	24.100	14.439	3.5206	15.673
#1	.06058	8.3617	.26652	.64870	.33529	2.9323	.85758
#2	.04417	10.196	.18987	.45980	.27317	2.7898	1.0713
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.58444	1.0449	.54932	.04646	3.2482	1.9733	.01167
SDev	.13501	.2387	.13305	.00918	.4346	.4371	.00065
%RSD	23.101	22.846	24.221	19.759	13.381	22.153	5.5819
#1	.67991	1.2137	.64340	.05295	2.9409	2.2824	.01213
#2	.48897	.87614	.45524	.03997	3.5556	1.6642	.01121
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.53366	.61816	.03275	.52970	.47579	.71234	.73843
SDev	.11495	.12299	.00832	.12022	.08815	.04928	.09181
%RSD	21.540	19.896	25.403	22.697	18.527	6.9177	12.433
#1	.61494	.70513	.02686	.61471	.53812	.74718	.80335
#2	.45238	.53119	.03863	.44469	.41346	.67750	.67351
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	1.9763	2.1798	.1078	.0410	3.426
SDev	.3453	.4648	.0134	.0062	.045
%RSD	17.472	21.322	12.39	15.02	1.324
#1	2.2205	2.5084	.0984	.0366	3.394
#2	1.7321	1.8511	.1173	.0453	3.458
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	7193	--	--	--	--	--	--
SDev	37.50497	--	--	--	--	--	--
%RSD	.5213832	--	--	--	--	--	--
#1	7220	--	--	--	--	--	--
#2	7167	--	--	--	--	--	--

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

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.16821	.00423	.01291	.69750	.01006	.14106	-.00001
SDev	.01533	.00656	.00907	.05725	.00147	.01472	.00011
%RSD	9.1134	155.06	70.271	8.2085	14.642	10.431	1021.5
#1	.15737	.00887	.01932	.73799	.01110	.13066	-.00009
#2	.17905	-.00041	.00649	.65702	.00902	.15147	.00007
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00059	9.4971	.00706	.00095	.05008	1.5171	.96326
SDev	.00061	.9713	.00105	.00000	.00364	.0584	.10943
%RSD	103.15	10.227	14.800	.16550	7.2741	3.8500	11.361
#1	-.00102	8.8103	.00632	.00095	.04751	1.4758	.88587
#2	-.00016	10.184	.00780	.00096	.05266	1.5584	1.0406
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	.01631	.01644	.00300	-.00071	2.5326	.00174	.01091
SDev	.00112	.01325	.00123	.00033	.5341	.00481	.00104
%RSD	6.8845	80.579	41.077	46.365	21.091	276.78	9.5389
#1	.01552	.02581	.00213	-.00094	2.1549	.00514	.01165
#2	.01711	.00707	.00387	-.00048	2.9102	-.00166	.01018
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.00967	.08311	.03268	.01695	.00480	.17796	.16334
SDev	.00131	.00819	.00813	.01312	.00096	.01695	.01452
%RSD	13.536	9.8590	24.867	77.385	19.925	9.5262	8.8890
#1	.00874	.07731	.03842	.02623	.00547	.16597	.15307
#2	.01059	.08890	.02693	.00768	.00412	.18994	.17360
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.00647	.00312	.1045	.0429	3.314
SDev	.00724	.00622	.0117	.0046	.071
%RSD	111.93	199.79	11.23	10.84	2.130
#1	.01159	.00752	.0962	.0396	3.364
#2	.00135	-.00129	.1128	.0462	3.264
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	7235	--	--	--	--	--	--
SDev	19.03526	--	--	--	--	--	--
%RSD	.2631106	--	--	--	--	--	--
#1	7248	--	--	--	--	--	--
#2	7221	--	--	--	--	--	--

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Method: QTESTNAK Sample Name: CCVT Operator: KT
Run Time: 10/06/00 08:05:59
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.48734	.48534	.48446	23.613	.48200	1.9373	2.0046
SDev	.00242	.00180	.00226	.026	.00816	.0012	.0043
%RSD	.49624	.37063	.46726	.11153	1.6932	.06315	.21438
#1	.48905	.48661	.48606	23.632	.48777	1.9382	2.0077
#2	.48563	.48407	.48286	23.594	.47623	1.9364	2.0016
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	.55000	.55000	27.500	.55000	2.2000	2.2000
Low	.45000	.45000	.45000	22.500	.45000	1.8000	1.8000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49466	100.67	1.9983	1.9711	1.8889	24.862	97.419
SDev	.00418	.39	.0125	.0148	.0005	.078	.260
%RSD	.84491	.38605	.62317	.74888	.02433	.31202	.26646
#1	.49761	100.95	2.0072	1.9816	1.8885	24.917	97.603
#2	.49170	100.40	1.9895	1.9607	1.8892	24.807	97.236
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	1.9880	1.9488	1.9775	.96566	48.304	.95283	1.9715
SDev	.0132	.0101	.0137	.00125	.060	.00151	.0019
%RSD	.66219	.51761	.69407	.12987	.12485	.15832	.09645
#1	1.9973	1.9416	1.9872	.96655	48.346	.95176	1.9702
#2	1.9786	1.9559	1.9678	.96477	48.261	.95390	1.9729
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	2.2000	2.2000	2.2000	1.1000		1.1000	2.2000
Low	1.8000	1.8000	1.8000	.90000		.90000	1.8000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	1.9721	1.9954	1.9043	.47911	.49517	.49767	.48219
SDev	.0008	.0124	.0302	.00387	.00096	.00422	.00573
%RSD	.03878	.62051	1.5835	.80826	.19362	.84868	1.1893
#1	1.9726	2.0041	1.9256	.48185	.49450	.49469	.48624
#2	1.9716	1.9866	1.8830	.47637	.49585	.50066	.47813
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	.49315	.48144	1.927	1.984	1.951
SDev	.00211	.00164	.003	.004	.010
%RSD	.42727	.34166	.1542	.2050	.4886
#1	.49464	.48260	1.929	1.987	1.958
#2	.49166	.48028	1.925	1.981	1.944
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			2.200	2.200	2.200
Low			1.800	1.800	1.800

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6932	--	--	--	--	--	--
SDev	1.131440	--	--	--	--	--	--
%RSD	.0163218	--	--	--	--	--	--
#1	6931	--	--	--	--	--	--
#2	6933	--	--	--	--	--	--

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

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00019	.00248	.00384	-.06131	.00355	.00110	.00092
SDev	.00207	.00068	.00647	.00266	.00783	.00157	.00071
%RSD	1072.2	27.488	168.42	4.3453	220.59	142.60	77.206
#1	.00127	.00200	.00842	-.05943	-.00199	.00221	.00143
#2	-.00165	.00296	-.00073	-.06320	.00908	-.00001	.00042
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.00500	.06000	.20000	.01000	.02000	.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00020	.05182	.00034	.00099	.00106	.01253	.01809
SDev	.00018	.04762	.00048	.00136	.00047	.02353	.01667
%RSD	87.271	91.895	142.28	137.80	44.870	187.80	92.132
#1	-.00008	.08550	.00067	.00195	.00139	.02917	.02987
#2	-.00033	.01815	-.00000	.00003	.00072	-.00411	.00630
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00125	.02181	.00133	.00014	.09934	.00661	.00240
SDev	.00178	.02060	.00126	.00034	.43535	.00180	.00183
%RSD	142.45	94.446	95.038	242.76	438.26	27.269	76.531
#1	.00251	.03637	.00222	-.00010	-.20850	.00788	.00369
#2	-.00001	.00724	.00044	.00038	.40717	.00534	.00110
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.01500	.04000	.04000	.01000	5.0000	.01000	.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.00157	.00042	.00345	.00585	-.00017	-.00355	.00148
SDev	.00089	.00073	.00003	.00964	.00014	.00544	.00581
%RSD	56.885	173.96	.80515	164.77	78.904	153.24	392.07
#1	.00220	.00094	.00347	.01266	-.00008	-.00739	.00559
#2	.00094	-.00010	.00343	-.00097	-.00027	.00030	-.00263
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.00000	.00000	.00000				
Range	.05000	.02000	.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

001314

Units			ppm	ppm	ppm
rge	.00301	.00221	.0038	.0013	.0140
SDev	.00396	.00096	.0013	.0016	.0074
%RSD	131.51	43.221	34.92	124.7	53.11
#1	.00021	.00289	.0047	.0025	.0192
#2	.00582	.00154	.0028	.0002	.0087
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value			.0000	.0000	.0000
Range			.2000	.0500	.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6990	--	--	--	--	--	--
SDev	16.94225	--	--	--	--	--	--
%RSD	.2423777	--	--	--	--	--	--
#1	7002	--	--	--	--	--	--
#2	6978	--	--	--	--	--	--

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

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49852	.49435	.49007	23.784	.49177	1.9842	2.0850
SDev	.00190	.00143	.00320	.037	.00483	.0017	.0026
%RSD	.38105	.28920	.65278	.15550	.98262	.08446	.12464
#1	.49717	.49536	.48780	23.810	.49518	1.9854	2.0869
#2	.49986	.49334	.49233	23.758	.48835	1.9830	2.0832
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	.55000	.55000	27.500	.55000	2.2000	2.2000
Low	.45000	.45000	.45000	22.500	.45000	1.8000	1.8000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.51093	104.30	2.0761	2.0338	1.9115	25.720	99.832
SDev	.00238	.20	.0001	.0031	.0015	.003	.060
%RSD	.46522	.18766	.00625	.15387	.07620	.01185	.05994
#1	.51261	104.44	2.0760	2.0361	1.9126	25.718	99.875
#2	.50925	104.16	2.0762	2.0316	1.9105	25.722	99.790
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	110.00	2.2000	2.2000	2.2000	27.500	110.00
Low	.45000	90.000	1.8000	1.8000	1.8000	22.500	90.000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0635	2.0065	2.0390	.99180	47.923	.96985	2.0344
SDev	.0016	.0277	.0049	.00074	.040	.00524	.0036
%RSD	.07962	1.3784	.23857	.07472	.08415	.53994	.17502
#1	2.0647	1.9869	2.0424	.99232	47.952	.97356	2.0319
#2	2.0623	2.0260	2.0356	.99127	47.895	.96615	2.0369
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	2.2000	2.2000	2.2000	1.1000		1.1000	2.2000
Low	1.8000	1.8000	1.8000	.90000		.90000	1.8000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	2.0334	2.0620	1.9793	.48177	.50669	.51696	.48931
SDev	.0005	.0019	.0094	.00528	.00097	.00199	.00384
%RSD	.02360	.09098	.47295	1.0958	.19095	.38535	.78530
#1	2.0331	2.0633	1.9727	.47803	.50738	.51837	.48659
#2	2.0338	2.0607	1.9859	.48550	.50601	.51555	.49203
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	2.2000	2.2000	2.2000				
Low	1.8000	1.8000	1.8000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

001316

Units			ppm	ppm	ppm
Avge	.51001	.48653	1.950	2.034	1.985
SDev	.00557	.00064	.003	.003	.000
%RSD	1.0926	.13125	.1653	.1297	.0071
#1	.51395	.48608	1.948	2.035	1.985
#2	.50607	.48698	1.953	2.032	1.984
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			2.200	2.200	2.200
Low			1.800	1.800	1.800

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6636	--	--	--	--	--	--
SDev	1.527116	--	--	--	--	--	--
%RSD	.0230143	--	--	--	--	--	--
#1	6637	--	--	--	--	--	--
#2	6634	--	--	--	--	--	--

Analysis Report QC Standard 10/06/00 00:43:03 AM page 1

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

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00228	-.00049	.00136	-.05518	-.00177	-.00000	.00017
SDev	.00116	.00045	.00010	.00267	.00332	.00000	.00012
%RSD	51.128	91.552	7.5131	4.8427	187.88	2.8232	70.946
#1	-.00145	-.00082	.00129	-.05707	-.00411	-.00000	.00026
#2	-.00310	-.00017	.00144	-.05329	.00058	-.00000	.00009
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.00500	.06000	.20000	.01000	.02000	.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00034	.02227	-.00008	.00000	.00011	.00216	.00789
SDev	.00019	.00003	.00039	.00000	.00026	.01519	.00558
%RSD	55.341	.14382	468.79	5.1074	244.19	701.87	70.748
#1	-.00020	.02225	.00019	.00000	.00029	.01290	.01183
#2	-.00047	.02229	-.00036	.00000	-.00008	-.00857	.00394
rrors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
alue	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00000	.00248	-.00000	-.00005	.21890	.00013	.00108
SDev	.00000	.00000	.00065	.00007	.06784	.00325	.00000
%RSD	2.8232	.02768	23694.	139.47	30.991	2426.5	.00877
#1	-.00000	.00248	-.00046	-.00000	.17093	.00243	.00108
#2	-.00000	.00248	-.00046	-.00010	.26686	-.00216	.00108
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.01500	.04000	.04000	.01000	5.0000	.01000	.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.00032	.00107	.00009	.00117	.00176	-.00169	-.00257
SDev	.00000	.00000	.00433	.00156	.00343	.00065	.00207
%RSD	.17133	.22202	4646.1	133.01	195.06	38.569	80.638
#1	.00032	.00107	-.00297	.00227	-.00067	-.00215	-.00110
#2	.00032	.00107	.00315	.00007	.00418	-.00123	-.00403
rrors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.00000	.00000	.00000				
Range	.05000	.02000	.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.00169	-.00158	.0019	.0001	.0077
SDev	.00070	.00103	.0014	.0001	.0012
%RSD	41.291	64.834	70.50	141.4	15.70
#1	.00218	-.00231	.0029	.0002	.0086
#2	.00119	-.00086	.0010	.0000	.0069
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value			.0000	.0000	.0000
Range			.2000	.0500	.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6823	--	--	--	--	--	--
SDev	1.159407	--	--	--	--	--	--
%RSD	.0169917	--	--	--	--	--	--
#1	6824	--	--	--	--	--	--
#2	6823	--	--	--	--	--	--

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

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00028	.00141	.00172	-.07975	-.00023	-.00001	.00026
SDev	.00030	.00158	.00072	.01051	.00406	.00000	.00000
%RSD	107.81	112.01	41.617	13.173	1738.4	24.727	.62736
#1	.00007	.00029	.00222	-.07232	-.00310	-.00000	.00026
#2	.00049	.00253	.00121	-.08718	.00264	-.00001	.00025
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.00500	.06000	.20000	.01000	.02000	.00500
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00003	.04341	.00010	.00148	.00071	.02760	.00770
SDev	.00030	.00083	.00011	.00069	.00020	.00907	.00188
%RSD	971.59	1.9186	110.38	46.782	28.694	32.847	24.426
#1	.00018	.04400	.00017	.00197	.00057	.03401	.00903
#2	-.00024	.04282	.00002	.00099	.00086	.02119	.00637
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00064	.00119	-.00046	.00005	.57787	-.00249	.00109
SDev	.00000	.00173	.00128	.00034	.05953	.00090	.00000
%RSD	.60814	144.94	279.86	745.39	10.302	36.352	.39166
#1	.00064	-.00003	.00045	-.00020	.53577	-.00313	.00108
#2	.00063	.00242	-.00137	.00029	.61997	-.00185	.00109
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.01500	.04000	.04000	.01000	5.0000	.01000	.05000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	-.00001	.00318	.00630	.00216	.00082	.00283	-.00100
SDev	.00045	.00002	.00432	.00062	.00339	.00019	.00035
%RSD	6336.5	.63767	68.624	28.782	411.49	6.7093	35.123
#1	-.00033	.00319	.00324	.00172	.00322	.00270	-.00125
#2	.00031	.00316	.00936	.00260	-.00158	.00297	-.00075
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.05000	.02000	.10000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.00377	.00400	.0010	.0000	.0272
SDev	.00905	.00215	.0000	.0000	.0039
%RSD	239.92	53.622	.0000	.0000	14.39
#1	-.01017	.00552	.0010	.0000	.0299
#2	.00263	.00248	.0010	.0000	.0244
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			.2000	.0500	.5000
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6893	--	--	--	--	--	--
SDev	27.71872	--	--	--	--	--	--
%RSD	.4021333	--	--	--	--	--	--
#1	6873	--	--	--	--	--	--
#2	6913	--	--	--	--	--	--

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

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.45493	1.7229	.44958	1.6430	1.8083	1.9756	.04936
SDev	.00408	.0062	.00924	.0006	.0111	.0014	.00006
%RSD	.89618	.35866	2.0559	.03740	.61336	.07318	.12868
#1	.45205	1.7185	.44304	1.6434	1.8005	1.9766	.04941
#2	.45782	1.7273	.45612	1.6425	1.8162	1.9745	.04932
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.60000	2.4000	.60000	2.4000	2.4000	2.4000	.06000
Low	.40000	1.4000	.35000	1.6000	1.5000	1.6000	.04000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04940	L.02083	.20748	.50453	.23744	1.0164	L.00921
SDev	.00041	.00069	.00000	.00050	.00016	.0130	.00533
%RSD	.83516	3.3194	.00006	.09864	.06686	1.2799	57.828
#1	.04911	L.02132	.20748	.50488	.23755	1.0256	L.01298
#2	.04969	L.02034	.20748	.50418	.23732	1.0072	L.00544
rors	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	.06000	60.000	.24000	.60000	.30000	1.2500	60.000
Low	.04000	40.000	.16000	.40000	.20000	.80000	40.000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.52043	.96036	.49940	.04746	.78012	1.7325	L.00051
SDev	.00013	.01216	.00006	.00011	.08673	.0105	.00001
%RSD	.02511	1.2667	.01226	.23100	11.117	.60630	1.1669
#1	.52053	.95175	.49936	.04754	.84144	1.7400	L.00050
#2	.52034	.96896	.49944	.04738	.71879	1.7251	L.00051
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Low
High	.60000	1.2000	.60000	.06000		2.4000	1.2000
Low	.40000	.80000	.40000	.04000		1.6000	.80000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.50118	.49331	.00623	.44040	.46796	.47155	.44664
SDev	.00096	.00119	.00427	.00944	.00886	.00410	.00407
%RSD	.19222	.24156	68.537	2.1423	1.8929	.86957	.91021
#1	.50186	.49247	.00925	.43373	.46170	.46865	.44376
#2	.50050	.49416	.00321	.44707	.47422	.47445	.44951
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.60000	.60000					
Low	.40000	.40000					

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
vge	1.7546	1.7071	L.0133	L.0001	.1500
SDev	.0039	.0073	.0013	.0001	.0025
%RSD	.21979	.42993	9.747	141.4	1.648
#1	1.7519	1.7019	L.0124	L.0002	.1517
#2	1.7574	1.7123	L.0142	L.0000	.1482
Errors	NOCHECK	NOCHECK	LC Low	LC Low	NOCHECK
High			1.200	1.200	
Low			.8000	.8000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6865	--	--	--	--	--	--
SDev	25.71065	--	--	--	--	--	--
%RSD	.3744993	--	--	--	--	--	--
#1	6847	--	--	--	--	--	--
#2	6884	--	--	--	--	--	--

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

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05184	.00214	.00130	191.00	.03049	1.0897	.00622
SDev	.00036	.00595	.00102	.03	.00009	.0005	.00004
%RSD	.69794	278.14	78.916	.01642	.27908	.04893	.58003
#1	.05158	.00634	.00057	191.02	.03055	1.0901	.00625
#2	.05209	-.00207	.00202	190.98	.03043	1.0894	.00619
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00188	24.504	.22636	.10075	.15901	219.03	41.019
SDev	.00048	.043	.00009	.00070	.00064	.08	.002
%RSD	25.636	.17390	.03851	.69476	.40025	.03842	.00384
#1	.00222	24.474	.22630	.10125	.15946	218.97	41.018
#2	.00154	24.534	.22642	.10026	.15856	219.09	41.020
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.8387	.01105	.12877	-.00248	5.4357	.00763	12.765
SDev	.0082	.00168	.00007	.00013	.1336	.00353	.008
%RSD	.17045	15.175	.05462	5.1430	2.4577	46.257	.05968
#1	4.8329	.01223	.12882	-.00239	5.5301	.01013	12.771
#2	4.8445	.00986	.12872	-.00257	5.3412	.00514	12.760
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.45692	.43028	.00280	.00109	.00170	.07322	.04116
SDev	.00035	.00121	.00000	.00234	.00161	.00181	.00036
%RSD	.07699	.28123	.02489	214.09	94.562	2.4683	.87439
#1	.45717	.42942	.00280	-.00056	.00284	.07194	.04142
#2	.45667	.43113	.00280	.00274	.00056	.07450	.04091
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

001324

Units			ppm	ppm	ppm
Avge	.00298	.00172	.0357	.3121	2.983
SDev	.00658	.00563	.0015	.0001	.064
%RSD	221.16	327.38	4.251	.0191	2.157
#1	.00763	.00570	.0367	.3121	3.029
#2	-.00168	-.00226	.0346	.3120	2.938
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6947	--	--	--	--	--	--
SDev	38.01389	--	--	--	--	--	--
%RSD	.5471767	--	--	--	--	--	--
#1	6920	--	--	--	--	--	--
#2	6974	--	--	--	--	--	--

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

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L.05127	L.00503	L.00865	191.71	L.04159	1.1163	.00783
SDev	.00084	.00274	.01281	.29	.01650	.0019	.00002
%RSD	1.6350	54.446	148.19	.15064	39.664	.17026	.19969
#1	L.05186	L.00697	L.01770	191.51	L.05326	1.1150	.00782
#2	L.05067	L.00310	L-.00041	191.92	L.02993	1.1177	.00784
Errors	LC Low	LC Low	LC Low	LC Pass	LC Low	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	5.5000
Low	.07500	.17000	.10000	.63000	.24500	.01000	.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.00329	25.496	.23279	.10982	.15883	228.39	43.073
SDev	.00167	.045	.00140	.00011	.00039	.54	.092
%RSD	50.665	.17548	.59994	.10209	.24355	.23603	.21337
#1	L-.00211	25.464	.23180	.10974	.15855	228.01	43.008
#2	L-.00447	25.527	.23378	.10990	.15910	228.77	43.138
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	5.0633	L.02291	.12745	L-.00365	6.7112	L.00792	13.280
SDev	.0154	.00007	.00344	.00103	.3709	.01384	.051
%RSD	.30470	.32959	2.6990	28.333	5.5267	174.81	.38070
#1	5.0524	L.02285	.12502	L-.00438	6.4490	L.01770	13.244
#2	5.0742	L.02296	.12988	L-.00292	6.9735	L-.00187	13.316
Errors	LC Pass	LC Low	LC Pass	LC Low	NOCHECK	LC Low	LC Pass
High	27.500	27.500	110.00	2.2000		22.000	55.000
Low	.01000	.10500	.05500	.03000		.23500	.01500

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.46275	.45166	L.01837	.00941	.00712	.06576	.04403
SDev	.00150	.00077	.02162	.01383	.01078	.01162	.00706
%RSD	.32433	.17094	117.68	147.00	151.32	17.668	16.029
#1	.46381	.45111	L.03366	.01918	.01474	.05755	.04902
#2	.46169	.45221	L.00308	-.00037	-.00050	.07398	.03904
Errors	LC Pass	LC Pass	LC Low	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	.02000	.03500	.46000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.01492	.01500	L.0475	.3197	3.105
SDev	.02707	.01763	.0068	.0005	.040
%RSD	181.41	117.52	14.27	.1700	1.273
#1	-.03407	.02746	L.0427	.3193	3.133
#2	.00422	.00254	L.0523	.3201	3.077
Errors	NOCHECK	NOCHECK	LC Low	LC Pass	LC Pass
High			55.00	5.500	55.00
Low			.0550	.0050	.2400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6871	--	--	--	--	--	--
SDev	11.68142	--	--	--	--	--	--
%RSD	.1700040	--	--	--	--	--	--
#1	6880	--	--	--	--	--	--
#2	6863	--	--	--	--	--	--

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

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50292	1.6452	.08885	199.96	1.7188	2.9969	.05547
SDev	.00060	.0044	.00015	.25	.0081	.0028	.00003
%RSD	.11853	.26700	.16570	.12430	.47058	.09455	.06179
#1	.50335	1.6483	.08896	200.14	1.7131	2.9949	.05549
#2	.50250	1.6421	.08875	199.79	1.7245	2.9989	.05545
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04988	23.576	.42782	.58831	.39309	218.10	40.511
SDev	.00022	.030	.00071	.00178	.00065	.30	.068
%RSD	.43708	.12620	.16492	.30280	.16442	.13680	.16718
#1	.04973	23.555	.42732	.58705	.39355	217.89	40.464
#2	.05003	23.597	.42832	.58957	.39263	218.31	40.559
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.2833	.87003	.60471	.04276	5.4135	1.7876	11.989
SDev	.0156	.01153	.00152	.00021	.0551	.0029	.009
%RSD	.29481	1.3253	.25074	.50343	1.0176	.16406	.07675
#1	5.2723	.86188	.60364	.04292	5.4525	1.7855	11.983
#2	5.2943	.87819	.60578	.04261	5.3746	1.7897	11.996
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.93179	.90252	.00903	.08850	.08956	.54061	.48411
SDev	.00165	.00217	.01715	.00059	.00162	.00176	.00177
%RSD	.17688	.23997	189.90	.66470	1.8093	.32508	.36585
#1	.93063	.90099	.02115	.08809	.09071	.53936	.48536
#2	.93296	.90405	-.00309	.08892	.08841	.54185	.48286
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
ge	1.6703	1.6327	.0387	.3137	3.673
sDev	.0073	.0029	.0002	.0006	.048
%RSD	.43820	.17955	.4777	.1790	1.316
#1	1.6755	1.6347	.0388	.3133	3.707
#2	1.6651	1.6306	.0385	.3141	3.639
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6911	--	--	--	--	--	--
SDev	33.85619	--	--	--	--	--	--
%RSD	.4898757	--	--	--	--	--	--
#1	6887	--	--	--	--	--	--
#2	6935	--	--	--	--	--	--

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

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49854	1.6042	.08989	204.75	1.6885	3.0876	.05519
SDev	.00231	.0033	.00390	.02	.0206	.0002	.00018
%RSD	.46349	.20614	4.3437	.00878	1.2209	.00572	.32225
#1	.49691	1.6065	.08713	204.76	1.7031	3.0877	.05532
#2	.50018	1.6018	.09265	204.74	1.6739	3.0875	.05507
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04898	23.665	.44211	.57764	.39318	219.88	40.242
SDev	.00031	.016	.00172	.00043	.00092	.06	.014
%RSD	.63996	.06820	.38804	.07487	.23353	.02800	.03521
#1	.04921	23.654	.44090	.57794	.39383	219.92	40.232
#2	.04876	23.677	.44332	.57733	.39253	219.83	40.252
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.0202	.87011	.60181	.04229	5.5944	1.7640	12.010
SDev	.0131	.00408	.00125	.00046	.1299	.0278	.010
%RSD	.26168	.46884	.20785	1.0957	2.3225	1.5772	.08519
#1	5.0109	.86722	.60093	.04262	5.6863	1.7444	12.003
#2	5.0295	.87299	.60270	.04197	5.5026	1.7837	12.017
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.93541	.89599	.02107	.08718	.09532	.53765	.47902
SDev	.00039	.00364	.00873	.00638	.00105	.00574	.00633
%RSD	.04150	.40620	41.431	7.3162	1.1018	1.0681	1.3217
#1	.93569	.89341	.02724	.08267	.09606	.54171	.47454
#2	.93514	.89856	.01490	.09169	.09457	.53359	.48350
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

001330

Units			ppm	ppm	ppm
Avge	1.6260	1.5933	.0407	.3169	3.476
SDev	.0079	.0089	.0003	.0002	.007
%RSD	.48563	.55860	.7352	.0520	.1885
#1	1.6204	1.5996	.0409	.3168	3.480
#2	1.6316	1.5870	.0405	.3170	3.471
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6882	--	--	--	--	--	--
SDev	51.81663	--	--	--	--	--	--
%RSD	.7529168	--	--	--	--	--	--
#1	6845	--	--	--	--	--	--
#2	6919	--	--	--	--	--	--

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

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05546	-.00034	-.00196	252.93	.03352	1.8810	.00750
SDev	.00125	.00284	.00090	.08	.00349	.0003	.00015
%RSD	2.2603	830.43	45.771	.03324	10.427	.01542	2.0296
#1	.05635	-.00235	-.00260	252.87	.03104	1.8812	.00760
#2	.05457	.00167	-.00133	252.99	.03599	1.8808	.00739
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00257	28.039	.26344	.10712	.16591	264.73	52.195
SDev	.00080	.072	.00024	.00019	.00037	.18	.072
%RSD	31.114	.25681	.09221	.17393	.22512	.06651	.13817
#1	.00314	27.988	.26327	.10699	.16617	264.61	52.144
#2	.00201	28.090	.26361	.10725	.16564	264.86	52.246
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.1322	.01438	.14649	-.00314	7.7855	.00004	15.125
SDev	.0141	.00692	.00056	.00048	.1446	.00396	.017
%RSD	.27392	48.149	.38010	15.144	1.8567	10528.	.11328
#1	5.1222	.01927	.14688	-.00280	7.8877	-.00276	15.137
#2	5.1421	.00948	.14609	-.00347	7.6833	.00284	15.113
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.53556	.53129	.01204	-.00250	-.00089	.08044	.04299
SDev	.00106	.00159	.00852	.00014	.00298	.00209	.00084
%RSD	.19714	.30009	70.791	5.5934	336.80	2.5922	1.9502
#1	.53481	.53017	.00601	-.00240	-.00299	.08191	.04358
#2	.53631	.53242	.01807	-.00260	.00122	.07896	.04239
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
vge	-.00358	.00128	.0453	.3870	3.223
SDev	.00358	.00248	.0012	.0003	.014
%RSD	99.924	194.02	2.575	.0786	.4191
#1	-.00611	-.00047	.0445	.3868	3.233
#2	-.00105	.00303	.0462	.3873	3.214
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6897	--	--	--	--	--	--
SDev	26.13464	--	--	--	--	--	--
%RSD	.3789079	--	--	--	--	--	--
#1	6879	--	--	--	--	--	--
#2	6916	--	--	--	--	--	--

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

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05420	.00229	-.00177	246.80	.02815	1.6084	.00685
SDev	.00058	.00006	.00010	.13	.00737	.0047	.00005
%RSD	1.0739	2.5756	5.8488	.05395	26.193	.29467	.69662
#1	.05379	.00225	-.00170	246.89	.03336	1.6117	.00688
#2	.05461	.00234	-.00185	246.71	.02293	1.6050	.00681
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00299	22.017	.25351	.09183	.17098	244.74	49.548
SDev	.00086	.023	.00028	.00085	.00021	.24	.081
%RSD	28.810	.10399	.10912	.92963	.12161	.09990	.16251
#1	.00360	22.000	.25370	.09244	.17083	244.57	49.605
#2	.00238	22.033	.25331	.09123	.17113	244.92	49.491
rrors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
igh	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.8080	.00725	.14186	-.00260	6.3322	.01313	14.224
SDev	.0074	.00694	.00039	.00001	.1831	.00469	.021
%RSD	.15471	95.736	.27446	.49792	2.8909	35.700	.14999
#1	4.8027	.01216	.14158	-.00261	6.4616	.01644	14.209
#2	4.8132	.00234	.14213	-.00259	6.2027	.00981	14.239
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.49041	.51150	.02227	-.00366	.00200	.07859	.04202
SDev	.00128	.00107	.01287	.00272	.00576	.00347	.00261
%RSD	.26159	.20844	57.785	74.354	287.33	4.4222	6.2055
#1	.48951	.51075	.01317	-.00558	.00608	.08105	.04018
#2	.49132	.51225	.03136	-.00173	-.00207	.07613	.04386
rrors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.00514	.00087	.0535	.3177	3.169
SDev	.00299	.00140	.0010	.0006	.011
%RSD	58.072	161.11	1.898	.1805	.3606
#1	.00303	.00186	.0528	.3181	3.178
#2	.00726	-.00012	.0542	.3173	3.161
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6814	--	--	--	--	--	--
SDev	43.52953	--	--	--	--	--	--
%RSD	.6388344	--	--	--	--	--	--
#1	6783	--	--	--	--	--	--
#2	6845	--	--	--	--	--	--

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

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06873	-.00122	.00456	167.26	.03788	.96245	.00528
SDev	.00081	.00128	.00287	.10	.00264	.00328	.00003
%RSD	1.1733	105.67	63.063	.05839	6.9684	.34072	.47985
#1	.06930	-.00031	.00253	167.33	.03602	.96013	.00530
#2	.06816	-.00212	.00659	167.20	.03975	.96477	.00527
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00191	25.521	.19601	.08777	.14836	195.17	37.010
SDev	.00032	.033	.00030	.00083	.00041	.21	.096
%RSD	17.014	.12983	.15396	.95051	.27774	.10717	.25921
#1	.00168	25.498	.19622	.08718	.14865	195.03	36.942
#2	.00214	25.545	.19579	.08836	.14807	195.32	37.078
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.7580	.00981	.12022	-.00268	6.0527	.00413	11.708
SDev	.0199	.00344	.00203	.00013	.0551	.00554	.016
%RSD	.41812	35.030	1.6922	4.8736	.91031	134.02	.13903
#1	4.7440	.01224	.11879	-.00259	6.0917	.00022	11.697
#2	4.7721	.00738	.12166	-.00278	6.0138	.00805	11.720
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.39892	.42836	.02232	.00630	.00108	.08862	.05880
SDev	.00041	.00250	.00866	.00527	.00193	.00248	.00003
%RSD	.10208	.58284	38.814	83.731	179.37	2.7933	.04557
#1	.39864	.42659	.02845	.00257	.00244	.09037	.05878
#2	.39921	.43012	.01620	.01002	-.00029	.08687	.05882
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
ge	-.00589	.00112	.0350	.2785	3.172
SDev	.00459	.00037	.0001	.0011	.018
%RSD	77.881	32.676	.4289	.3939	.5627
#1	-.00265	.00086	.0351	.2777	3.159
#2	-.00914	.00138	.0349	.2792	3.184
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6895	--	--	--	--	--	--
SDev	30.40559	--	--	--	--	--	--
%RSD	.4410021	--	--	--	--	--	--
#1	6873	--	--	--	--	--	--
#2	6916	--	--	--	--	--	--

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

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04947	-.00194	.00051	238.73	.03201	1.4154	.00714
SDev	.00050	.01172	.00323	.06	.00653	.0031	.00005
%RSD	1.0062	604.96	633.76	.02582	20.384	.22001	.64640
#1	.04982	.00635	-.00177	238.77	.02740	1.4132	.00717
#2	.04912	L-.01023	.00279	238.68	.03662	1.4176	.00710
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00232	28.108	.22571	.11450	.15833	266.97	57.826
SDev	.00052	.062	.00009	.00044	.00041	.49	.158
%RSD	22.600	.22140	.04107	.38035	.26035	.18330	.27264
#1	.00195	28.064	.22578	.11420	.15862	266.62	57.714
#2	.00269	28.152	.22565	.11481	.15804	267.32	57.937
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
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	5.5571	.00957	.13873	-.00315	8.0072	.00668	14.639
SDev	.0210	.00337	.00147	.00068	.0374	.00171	.030
%RSD	.37731	35.227	1.0572	21.624	.46739	25.578	.20633
#1	5.5422	.01196	.13976	-.00267	8.0337	.00547	14.618
#2	5.5719	.00719	.13769	-.00364	7.9808	.00789	14.661
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.50466	.51033	.01242	-.00027	.00206	.07506	.03670
SDev	.00186	.00202	.00853	.00552	.00137	.00547	.00199
%RSD	.36770	.39657	68.705	2075.0	66.209	7.2946	5.4150
#1	.50334	.50890	.00638	-.00417	.00303	.07893	.03529
#2	.50597	.51176	.01845	.00364	.00110	.07119	.03810
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	-.00266	-.00158	.0523	.3846	3.200		
sDev	.02037	.00741	.0024	.0007	.023		
%RSD	765.52	469.74	4.563	.1916	.7312		
#1	.01174	.00366	.0506	.3841	3.183		
#2	-.01706	-.00682	.0539	.3851	3.217		
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass		
High			110.0	5.500	55.00		
Low			-.2000	-.0500	-.5000		
IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6855	--	--	--	--	--	--
SDev	40.44630	--	--	--	--	--	--
%RSD	.5900159	--	--	--	--	--	--
#1	6827	--	--	--	--	--	--
#2	6884	--	--	--	--	--	--

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

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49324	.48659	.48749	23.521	.48410	1.9744	2.0653
SDev	.00086	.00268	.00095	.007	.01129	.0017	.0046
%RSD	.17529	.55067	.19431	.02801	2.3317	.08381	.22391
#1	.49386	.48848	.48682	23.526	.47612	1.9756	2.0686
#2	.49263	.48469	.48816	23.516	.49209	1.9733	2.0620
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	.55000	.55000	27.500	.55000	2.2000	2.2000
Low	.45000	.45000	.45000	22.500	.45000	1.8000	1.8000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50283	103.05	2.0576	2.0145	1.8972	25.491	98.955
SDev	.00191	.18	.0026	.0007	.0006	.046	.129
%RSD	.38073	.17558	.12582	.03711	.03195	.18003	.13006
#1	.50147	103.18	2.0594	2.0151	1.8977	25.524	99.046
#2	.50418	102.92	2.0557	2.0140	1.8968	25.459	98.864
rors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
gh	.55000	110.00	2.2000	2.2000	2.2000	27.500	110.00
Low	.45000	90.000	1.8000	1.8000	1.8000	22.500	90.000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0401	1.9820	2.0149	.98229	47.590	.95940	2.0277
SDev	.0018	.0276	.0049	.00031	.204	.00577	.0052
%RSD	.08611	1.3910	.24095	.03135	.42830	.60154	.25569
#1	2.0413	1.9625	2.0183	.98251	47.734	.95532	2.0313
#2	2.0388	2.0015	2.0115	.98207	47.446	.96348	2.0240
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	2.2000	2.2000	2.2000	1.1000		1.1000	2.2000
Low	1.8000	1.8000	1.8000	.90000		.90000	1.8000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	2.0238	2.0403	1.9405	.47978	.50295	.51366	.48305
SDev	.0047	.0014	.0060	.00136	.00012	.00002	.00130
%RSD	.23351	.06675	.31115	.28327	.02432	.00324	.27007
#1	2.0271	2.0413	1.9362	.47882	.50286	.51365	.48397
#2	2.0204	2.0394	1.9448	.48074	.50303	.51367	.48213
rors	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	.50614	.47682	1.943	2.021	1.964
ɔDev	.00137	.00333	.004	.002	.006
%RSD	.27171	.69851	.2096	.1065	.3168
#1	.50711	.47918	1.940	2.023	1.968
#2	.50517	.47447	1.946	2.020	1.959
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			2.200	2.200	2.200
Low			1.800	1.800	1.800

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6726	--	--	--	--	--	--
SDev	9.616721	--	--	--	--	--	--
%RSD	.1429834	--	--	--	--	--	--
#1	6719	--	--	--	--	--	--
#2	6733	--	--	--	--	--	--

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

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

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00232	-.00036	.00313	-.09768	.00341	-.00001	.00008
SDev	.00094	.00384	.00223	.00408	.00038	.00000	.00000
%RSD	40.723	1075.1	71.309	4.1817	11.296	16.206	.88037
#1	-.00299	-.00308	.00155	-.10057	.00313	-.00001	.00008
#2	-.00165	.00236	.00471	-.09479	.00368	-.00001	.00008
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.00500	.06000	.20000	.01000	.02000	.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00029	-.00298	-.00053	.00050	.00031	.00216	-.00274
SDev	.00037	.00048	.00038	.00069	.00030	.00306	.00183
%RSD	124.34	16.222	72.495	137.65	96.117	141.54	66.576
#1	-.00004	-.00264	-.00080	.00001	.00053	.00433	-.00145
#2	-.00055	-.00332	-.00026	.00099	.00010	-.00000	-.00403
rors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
alue	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00001	.00118	-.00046	-.00005	.33189	-.00525	.00109
SDev	.00000	.00173	.00128	.00007	.01804	.00505	.00000
%RSD	16.206	146.20	278.84	137.03	5.4349	96.029	.28205
#1	-.00001	-.00004	.00045	-.00000	.31913	-.00169	.00109
#2	-.00001	.00241	-.00136	-.00010	.34464	-.00882	.00109
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.01500	.04000	.04000	.01000	5.0000	.01000	.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	-.00001	-.00060	.00030	.00375	.00190	-.00079	-.00308
SDev	.00045	.00076	.01279	.00335	.00000	.00015	.00134
%RSD	6551.7	127.39	4248.3	89.391	.21649	19.038	43.496
#1	-.00033	-.00113	.00935	.00138	.00190	-.00090	-.00403
#2	.00031	-.00006	-.00874	.00612	.00189	-.00068	-.00213
rors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.00000	.00000	.00000				
Range	.05000	.02000	.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
vge	.00115	-.00111	.0010	.0000	<.0000
⌐Dev	.00352	.00401	.0000	.0000	.0001
%RSD	304.66	360.23	.0000	.0000	7.076
#1	-.00133	-.00395	.0010	.0000	<.0000
#2	.00364	.00172	.0010	.0000	<.0000
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value			.0000	.0000	.0000
Range			.2000	.0500	.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6908	--	--	--	--	--	--
SDev	20.76090	--	--	--	--	--	--
%RSD	.3005186	--	--	--	--	--	--
#1	6894	--	--	--	--	--	--
#2	6923	--	--	--	--	--	--

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

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04576	.00449	-.00216	221.70	.02970	1.0393	.00666
SDev	.00146	.00076	.00105	7.96	.00160	.0196	.00034
%RSD	3.1833	16.827	48.654	3.5924	5.3759	1.8856	5.1344
#1	.04473	.00503	-.00290	227.33	.02858	1.0532	.00690
#2	.04679	.00396	-.00141	216.07	.03083	1.0255	.00642
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00204	28.342	.22691	.10457	.16657	258.33	56.423
SDev	.00130	.971	.00562	.00259	.00689	8.97	1.072
%RSD	63.574	3.4266	2.4746	2.4755	4.1379	3.4714	1.8996
#1	.00112	29.029	.23088	.10640	.17144	264.67	57.181
#2	.00296	27.656	.22294	.10274	.16169	251.99	55.665
rrors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
igh	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.6976	.00719	.13931	-.00271	6.6088	.00792	13.833
SDev	.0890	.00216	.00255	.00008	.3009	.00147	.467
%RSD	1.8950	30.053	1.8284	2.8541	4.5532	18.600	3.3769
#1	4.7605	.00872	.14111	-.00277	6.8216	.00688	14.164
#2	4.6346	.00566	.13751	-.00266	6.3960	.00896	13.503
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.50609	.50516	.01657	-.00271	-.00104	.07190	.03271
SDev	.01633	.00855	.00439	.00366	.00419	.00160	.00298
%RSD	3.2270	1.6924	26.492	134.97	402.45	2.2290	9.1230
#1	.51764	.51121	.01967	-.00530	.00192	.07304	.03060
#2	.49454	.49912	.01347	-.00012	-.00400	.07077	.03482
rrors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
·ge	.00479	.00434	.0483	.3469	2.699
sDev	.00312	.00269	.0002	.0068	.072
%RSD	65.099	61.968	.3387	1.958	2.677
#1	.00259	.00625	.0484	.3517	2.750
#2	.00700	.00244	.0482	.3421	2.648
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6739	--	--	--	--	--	--
SDev	217.7606	--	--	--	--	--	--
%RSD	3.231512	--	--	--	--	--	--
#1	6585	--	--	--	--	--	--
#2	6893	--	--	--	--	--	--

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

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06848	.00084	-.00462	319.53	.04235	1.8350	.00949
SDev	.00121	.00054	.00073	.97	.00373	.0014	.00017
%RSD	1.7617	64.501	15.766	.30301	8.8053	.07469	1.8036
#1	.06762	.00045	-.00411	320.21	.03971	1.8360	.00961
#2	.06933	.00122	-.00514	318.84	.04498	1.8341	.00937
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00455	25.756	.36601	.11986	.20633	312.34	64.336
SDev	.00073	.005	.00084	.00084	.00100	.37	.022
%RSD	16.033	.01771	.22942	.69753	.48239	.11917	.03474
#1	.00507	25.753	.36542	.12045	.20704	312.08	64.352
#2	.00404	25.760	.36660	.11927	.20563	312.61	64.320
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.6711	.01421	.17922	-.00316	10.191	-.00058	15.766
SDev	.0083	.00689	.00106	.00040	.209	.00041	.029
%RSD	.14683	48.472	.58987	12.782	2.0511	70.212	.18272
#1	5.6652	.01908	.17848	-.00287	10.339	-.00029	15.746
#2	5.6770	.00934	.17997	-.00344	10.043	-.00087	15.786
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.66038	.63578	.00663	-.00827	.00267	.09918	.05315
SDev	.00117	.00034	.00435	.00056	.00107	.00510	.00436
%RSD	.17717	.05414	65.609	6.7574	39.996	5.1449	8.1959
#1	.65955	.63603	.00970	-.00787	.00343	.10279	.05007
#2	.66120	.63554	.00355	-.00866	.00192	.09557	.05623
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
ge	.00309	-.00029	.0654	.4031	2.894
SDev	.00222	.00030	.0003	.0002	.018
%RSD	72.016	104.76	.4786	.0452	.6225
#1	.00152	-.00007	.0656	.4033	2.907
#2	.00466	-.00050	.0651	.4030	2.881
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6877	--	--	--	--	--	--
SDev	33.40389	--	--	--	--	--	--
%RSD	.4857518	--	--	--	--	--	--
#1	6853	--	--	--	--	--	--
#2	6900	--	--	--	--	--	--

Analysis Report 10/06/00 02:40:09 AM page 1

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

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01676	.00163	.00306	66.169	.02384	.21992	.00253
SDev	.00151	.00493	.00066	.183	.00441	.00055	.00013
%RSD	9.0148	301.84	21.502	.27697	18.486	.25125	4.9601
#1	.01569	-.00185	.00352	66.299	.02696	.22032	.00262
#2	.01783	.00512	.00259	66.040	.02073	.21953	.00244
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00048	13.399	.27849	.03159	.28781	101.09	14.947
SDev	.00042	.018	.00015	.00009	.00049	.08	.045
%RSD	87.954	.13512	.05516	.28036	.17153	.08360	.29942
#1	-.00078	13.412	.27838	.03165	.28816	101.15	14.979
#2	-.00018	13.386	.27860	.03153	.28746	101.03	14.915
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0940	.00408	.09055	-.00177	2.6365	.00089	4.1978
SDev	.0005	.00171	.00086	.00021	.0492	.00118	.0060
%RSD	.04840	41.811	.94552	11.681	1.8654	132.72	.14235
#1	1.0944	.00529	.09116	-.00192	2.6713	.00173	4.2020
#2	1.0937	.00288	.08995	-.00162	2.6017	.00005	4.1935
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.20622	.24631	.00156	.00386	.00146	.02330	.01349
SDev	.00036	.00009	.00417	.00157	.00117	.00010	.00221
%RSD	.17222	.03795	266.50	40.745	80.669	.44261	16.403
#1	.20597	.24624	.00451	.00497	.00063	.02322	.01193
#2	.20647	.24637	-.00138	.00275	.00229	.02337	.01506
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.00155	.00322	.0148	.1079	1.595
SDev	.00678	.00400	.0013	.0003	.015
%RSD	436.68	124.14	8.584	.2509	.9590
#1	-.00635	.00039	.0139	.1080	1.606
#2	.00324	.00605	.0157	.1077	1.584
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	7046	--	--	--	--	--	--
SDev	17.67767	--	--	--	--	--	--
%RSD	.2508787	--	--	--	--	--	--
#1	7034	--	--	--	--	--	--
#2	7059	--	--	--	--	--	--

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

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.08185	-.00144	-.00409	252.38	.05443	1.7915	.00845
SDev	.00303	.00377	.00669	.47	.00479	.0004	.00004
%RSD	3.7070	261.26	163.52	.18628	8.8025	.02434	.45328
#1	.07970	.00122	-.00882	252.71	.05782	1.7912	.00842
#2	.08400	-.00411	.00064	252.05	.05104	1.7918	.00847
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00820	187.24	.29243	.15890	.32730	270.00	72.378
SDev	.00011	.75	.00118	.00029	.00148	.32	.140
%RSD	1.3895	.40260	.40247	.18305	.45120	.11889	.19398
#1	.00828	186.71	.29160	.15911	.32834	269.77	72.279
#2	.00812	187.77	.29327	.15870	.32626	270.23	72.478
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	7.2674	.00856	.23502	-.00272	6.2989	-.00217	9.4348
SDev	.0400	.00511	.00106	.00041	.2688	.00408	.0014
%RSD	.55018	59.748	.45086	14.921	4.2672	188.42	.01460
#1	7.2392	.01217	.23427	-.00244	6.4889	-.00505	9.4358
#2	7.2957	.00494	.23577	-.00301	6.1088	.00072	9.4339
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.55059	.65909	.00771	-.00838	.00450	.11192	.06684
SDev	.00158	.00417	.00862	.01028	.00051	.00142	.00526
%RSD	.28635	.63229	111.83	122.68	11.310	1.2644	7.8628
#1	.54948	.65614	.00161	-.01565	.00486	.11292	.06312
#2	.55171	.66204	.01380	-.00111	.00414	.11092	.07056
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

001350

Units			ppm	ppm	ppm
Avge	-.00066	-.00184	.0459	.7810	2.561
SDev	.00724	.00204	.0018	.0009	.001
%RSD	1096.1	111.24	3.854	.1185	.0209
#1	.00446	-.00039	.0471	.7804	2.562
#2	-.00578	-.00328	.0446	.7817	2.561
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6815	--	--	--	--	--	--
SDev	63.27190	--	--	--	--	--	--
%RSD	.9284348	--	--	--	--	--	--
#1	6770	--	--	--	--	--	--
#2	6860	--	--	--	--	--	--

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

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05268	.00336	-.00245	231.11	.02529	.98754	.00690
SDev	.00549	.00027	.00040	.19	.00649	.00274	.00017
%RSD	10.414	8.0693	16.358	.08147	25.639	.27779	2.4249
#1	.04880	.00355	-.00273	231.24	.02988	.98560	.00702
#2	.05656	.00316	-.00216	230.98	.02071	.98948	.00678
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00305	21.378	.22475	.09377	.16020	231.12	46.417
SDev	.00036	.066	.00051	.00122	.00046	.52	.139
%RSD	11.810	.30920	.22811	1.3001	.28400	.22390	.29864
#1	.00280	21.331	.22512	.09291	.16052	230.76	46.319
#2	.00331	21.425	.22439	.09463	.15988	231.49	46.515
rrors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
igh	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.5909	.00842	.12929	-.00266	6.5233	.00598	13.811
SDev	.0273	.00339	.00180	.00027	.1668	.00348	.043
%RSD	.59405	40.221	1.3913	10.056	2.5572	58.312	.31008
#1	4.5716	.01082	.12802	-.00247	6.6413	.00844	13.780
#2	4.6102	.00603	.13057	-.00285	6.4054	.00351	13.841
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.48421	.46010	.00459	-.00410	.00087	.07783	.04013
SDev	.00145	.00151	.00428	.00236	.00353	.00282	.00681
%RSD	.29922	.32741	93.041	57.584	406.59	3.6303	16.982
#1	.48318	.45903	.00157	-.00577	.00336	.07583	.03531
#2	.48523	.46116	.00762	-.00243	-.00163	.07983	.04495
rrors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
rge	-.00997	.01001	.0485	.2995	1.343
sDev	.00315	.00116	.0003	.0008	.003
%RSD	31.560	11.637	.5936	.2506	.2364
#1	-.00774	.00918	.0487	.2990	1.341
#2	-.01219	.01083	.0483	.3000	1.345
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6847	--	--	--	--	--	--
SDev	41.46484	--	--	--	--	--	--
%RSD	.6056197	--	--	--	--	--	--
#1	6817	--	--	--	--	--	--
#2	6876	--	--	--	--	--	--

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

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.14005	.00157	-.00008	141.41	.03674	1.0550	.00467
SDev	.00035	.00165	.00114	1.00	.00657	.0064	.00018
%RSD	.24974	104.81	1402.8	.70926	17.878	.61001	3.8937
#1	.13980	.00041	-.00089	142.12	.03209	1.0596	.00480
#2	.14030	.00273	.00072	140.70	.04138	1.0505	.00455
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00277	26.821	.17382	.09418	.20111	169.22	34.050
SDev	.00010	.128	.00106	.00070	.00187	.95	.193
%RSD	3.6201	.47841	.61094	.73864	.92778	.56223	.56765
#1	.00284	26.912	.17457	.09467	.20243	169.89	34.187
#2	.00270	26.730	.17307	.09369	.19979	168.55	33.914
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	3.9025	.00848	.11106	-.00200	6.6291	-.00344	10.468
SDev	.0070	.00175	.00013	.00039	.1977	.00066	.042
%RSD	.17968	20.627	.11221	19.567	2.9830	19.118	.40478
#1	3.9075	.00972	.11115	-.00172	6.7689	-.00391	10.498
#2	3.8976	.00724	.11097	-.00227	6.4892	-.00298	10.438
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.35051	.47403	.00254	-.00093	.00161	.15801	.13109
SDev	.00092	.00162	.00434	.00283	.00226	.00314	.00209
%RSD	.26332	.34164	171.00	306.32	140.47	1.9864	1.5954
#1	.35116	.47517	-.00053	-.00293	.00321	.16023	.12961
#2	.34986	.47288	.00561	.00108	.00001	.15579	.13256
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
rge	-.00719	.00594	.0300	.3399	1.252
sDev	.00056	.00219	.0010	.0019	.033
%RSD	7.8007	36.818	3.205	.5744	2.601
#1	-.00758	.00440	.0293	.3413	1.275
#2	-.00679	.00749	.0307	.3385	1.229
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6957	--	--	--	--	--	--
SDev	87.11569	--	--	--	--	--	--
%RSD	1.252231	--	--	--	--	--	--
#1	6895	--	--	--	--	--	--
#2	7018	--	--	--	--	--	--

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

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00007	.02665	.00882	-.07346	.00535	-.00002	.00033
SDev	.00197	.00534	.00119	.00096	.00268	.00000	.00012
%RSD	2886.3	20.052	13.524	1.3111	50.130	10.873	36.489
#1	-.00132	.02287	.00967	-.07414	.00345	-.00001	.00041
#2	.00146	.03043	.00798	-.07278	.00724	-.00002	.00024
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00196	.11495	.00008	.00099	.00349	.01660	.00714
SDev	.00038	.01428	.00001	.00000	.00034	.00006	.00190
%RSD	19.306	12.425	18.071	.08473	9.7404	.37875	26.612
#1	.00169	.10485	.00009	.00099	.00373	.01664	.00849
#2	.00223	.12505	.00007	.00099	.00325	.01655	.00580
rrors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
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	.00138	-.00131	.00042	.00023	.45285	L-.01757	.00291
SDev	.00021	.00170	.00001	.00006	.03336	.00659	.00036
%RSD	15.235	129.90	1.1204	28.150	7.3657	37.476	12.550
#1	.00123	-.00011	.00042	.00019	.42926	L-.02223	.00316
#2	.00153	-.00251	.00041	.00028	.47644	L-.01292	.00265
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.00029	.00559	.05068	.01217	.00213	.00355	-.00167
SDev	.00000	.00079	.00850	.00147	.00064	.00211	.00189
%RSD	1.3414	14.085	16.765	12.083	30.013	59.391	113.52
#1	.00029	.00614	.05669	.01321	.00258	.00206	-.00301
#2	.00029	.00503	.04467	.01113	.00168	.00504	-.00033
rrors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.03028	.02484	.0000	.0003	.0414
SDev	.00467	.00568	.0013	.0000	.0095
%RSD	15.426	22.867	3144.	.5327	23.01
#1	.02698	.02082	<.0000	.0003	.0481
#2	.03359	.02885	.0010	.0003	.0347
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	7115	--	--	--	--	--	--
SDev	37.90099	--	--	--	--	--	--
%RSD	.5326944	--	--	--	--	--	--
#1	7088	--	--	--	--	--	--
#2	7142	--	--	--	--	--	--

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

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49559	.49394	.49144	24.340	.49550	1.9950	2.0426
SDev	.00073	.00231	.00508	.109	.00795	.0036	.0013
%RSD	.14802	.46755	1.0329	.44591	1.6035	.17799	.06286
#1	.49611	.49557	.48786	24.416	.50111	1.9975	2.0417
#2	.49507	.49231	.49503	24.263	.48988	1.9925	2.0435
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	.55000	.55000	27.500	.55000	2.2000	2.2000
Low	.45000	.45000	.45000	22.500	.45000	1.8000	1.8000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50064	102.64	2.0441	2.0119	1.9482	25.468	100.55
SDev	.00104	.05	.0020	.0012	.0076	.065	.30
%RSD	.20785	.05115	.09607	.05771	.38752	.25514	.30044
#1	.49991	102.68	2.0428	2.0111	1.9536	25.514	100.76
#2	.50138	102.60	2.0455	2.0128	1.9429	25.422	100.33
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55000	110.00	2.2000	2.2000	2.2000	27.500	110.00
Low	.45000	90.000	1.8000	1.8000	1.8000	22.500	90.000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0306	1.9763	2.0151	.99187	49.800	.96470	2.0344
SDev	.0016	.0235	.0010	.00254	.285	.00319	.0006
%RSD	.07721	1.1900	.04754	.25622	.57164	.33098	.02943
#1	2.0295	1.9597	2.0145	.99366	50.001	.96244	2.0340
#2	2.0317	1.9929	2.0158	.99007	49.598	.96695	2.0348
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	2.2000	2.2000	2.2000	1.1000		1.1000	2.2000
Low	1.8000	1.8000	1.8000	.90000		.90000	1.8000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	2.0250	2.0360	1.9354	.48490	.50456	.51300	.48689
SDev	.0017	.0030	.0028	.00822	.00121	.00215	.00003
%RSD	.08310	.14749	.14536	1.6941	.23982	.41950	.00522
#1	2.0261	2.0338	1.9334	.47909	.50541	.51452	.48691
#2	2.0238	2.0381	1.9374	.49071	.50370	.51148	.48687
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	2.2000	2.2000	2.2000				
Low	1.8000	1.8000	1.8000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.51619	.48283	1.977	2.037	2.018
SDev	.00604	.00045	.003	.004	.002
%RSD	1.1701	.09258	.1533	.1734	.1226
#1	.52046	.48315	1.979	2.039	2.020
#2	.51192	.48252	1.974	2.034	2.017
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			2.200	2.200	2.200
Low			1.800	1.800	1.800

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6689	--	--	--	--	--	--
SDev	5.600231	--	--	--	--	--	--
%RSD	.0837200	--	--	--	--	--	--
#1	6685	--	--	--	--	--	--
#2	6693	--	--	--	--	--	--

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

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

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00098	.00014	.00182	-.08417	-.00001	-.00000	.00017
SDev	.00079	.00023	.00113	.00571	.00236	.00000	.00012
%RSD	80.258	164.02	62.371	6.7826	36591.	22.289	71.611
#1	-.00042	.00030	.00102	-.08013	.00166	-.00000	.00026
#2	-.00154	-.00002	.00262	-.08821	-.00167	-.00000	.00008
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.00500	.06000	.20000	.01000	.02000	.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00017	-.00195	-.00051	.00001	.00058	-.00423	-.00137
SDev	.00009	.00044	.00001	.00000	.00004	.00605	.00002
%RSD	50.992	22.314	1.1230	33.939	6.2817	143.17	1.6859
#1	.00011	-.00164	-.00051	.00001	.00061	-.00851	-.00136
#2	.00024	-.00226	-.00052	.00001	.00056	.00005	-.00139
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00000	.00245	-.00046	.00015	.27316	-.00053	.00082
SDev	.00000	.00001	.00000	.00049	.02811	.00268	.00037
%RSD	22.289	.51980	.00000	331.80	10.290	506.51	45.202
#1	-.00000	.00246	-.00046	.00049	.25329	.00137	.00108
#2	-.00000	.00244	-.00046	-.00020	.29304	-.00242	.00056
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.01500	.04000	.04000	.01000	5.0000	.01000	.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	-.00000	-.00004	-.00591	.00339	-.00133	-.00211	-.00042
SDev	.00045	.00001	.00436	.00248	.00155	.00034	.00135
%RSD	12240.	23.847	73.827	72.981	116.38	16.132	324.59
#1	-.00032	-.00003	-.00900	.00164	-.00024	-.00235	.00054
#2	.00032	-.00004	-.00283	.00514	-.00243	-.00187	-.00137
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.00000	.00000	.00000				
Range	.05000	.02000	.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

001360

Units			ppm	ppm	ppm
ge	.00092	-.00025	.0010	.0000	.0022
sDev	.00353	.00210	.0000	.0000	.0005
%RSD	381.90	826.08	.0000	.0000	21.95
#1	-.00157	.00123	.0010	.0000	.0026
#2	.00342	-.00174	.0010	.0000	.0019
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value			.0000	.0000	.0000
Range			.2000	.0500	.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6864	--	--	--	--	--	--
SDev	18.46971	--	--	--	--	--	--
%RSD	.2690629	--	--	--	--	--	--
#1	6851	--	--	--	--	--	--
#2	6878	--	--	--	--	--	--

STL LOS ANGELES

Précis

Metals Preparation

Batch: 0278301

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

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

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

Hot Plate/Block # 1 Temp* 95 °C Thermometer # M-H-04

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

Spike Standards for LCS and MS/MSD samples.

	Volume	Lot #	Exp. Date
1. QSPK1A	1.0 mL	QSPK1A-091200-1	08/2002
2. QSPK1B	NA mL	QSKP1B-072000-1	07/2001
3. QSPK2A	[illegible] mL	QSPK2A 072000-1	04/2002
4. QSPK2B	[illegible] mL	QCAL6B-112299-1	05/2001

Reagents	Volume	Lot #
HNO_3	60.0 mL	6623 T09A058
H_2O_2	4.0 mL	001185
HCl	10.0 mL	5587 N41A07

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

Method 3050B

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

Redigestion required - Samples/Reason: _____

Requested By: _____ Date: _____ Completed By: _____ Date: _____

Digestate Chain-of-Custody:

Relinquished By: [illegible] Date: 10/05/00 Received By: [illegible] Date: 10/05/00

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10/02/00

RQC057

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

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

BATCH NUMBER: **0278301**

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

INITIALS: EC

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

RQC057

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

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

BATCH NUMBER: **0278301**

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

INITIALS: EC

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0J040125	DLH3J	01	X 1.00 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040125	DLH3L	01	X 1.01 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040125	DLH3T	01	X .99 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040125	DLH47	01	X 1.00 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040000	DLHL8B	01	X 1.00 g	_____g	_____g	_____g
SOLID	DUE DATE:		0/00/00			
	DLHL8C		1.03 g	_____g	_____g	_____g

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

COMMENTS: Final Vol - 100ml

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

SPIKING WITNESSED BY _____

RQC057

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

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

BATCH NUMBER: **0278301**

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

INITIALS: _____

ICP ELEMENTS WITHIN THE BATCH:

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

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

STL LOS ANGELES

Précis

Metals Preparation

Batch: 0278311

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

Prepared By: [illegible] Date/Time Initiated: 10/5/001 1030

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

Hot Plate/Block # 1 Temp* 95 °C Thermometer # M-H-04

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

Spike Standards for LCS and MS/MSD samples.

	Volume	Lot #	Exp. Date
1. QSPK1A	1.0 mL	QSPK1A-091200-1	08/2002
2. QSPK1B	NA mL	QSKP1B-072000-1	07/2001
3. QSPK2A	1 mL	QSPK2A 072000-1	04/2002
4. QSPK2B	1 mL	QCAL6B-112299-1	05/2001

Reagents	Volume	Lot #
HNO_3	10.0 mL	6623 T09A058
H_2O_2	4.0 mL	001185
HCl	10.0 mL	5587 N41A07

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

Method 3050B

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

Redigestion required - Samples/Reason: _____

Requested By: _____ Date: _____ Completed By: _____ Date: _____

Digestate Chain-of-Custody:

Relinquished By: [illegible] Date: 10/05/00 Received By: [illegible] Date: 10/05/00

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10/02/00

RQC057

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

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

BATCH NUMBER: **0278311**

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

INITIALS: BI

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

Add SCE - CSM 151

RQC057

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

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

BATCH NUMBER: **0278311**

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

INITIALS: _____

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

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

ICP ELEMENTS WITHIN THE BATCH:

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

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