TVPH

LEVEL III

C6 TO C8

BOE-C6-0169168

TVPH

SAMPLE AND QC DATA

$C_6 \rightarrow C_8$

Date(s) Analyzed: 10-6-00

Instrument ID: GC15A GC16 GC13

Batch #: 0283421

Samples: EOJ040325-B, C, 13, 14, 15, 29, 30, 31, 33, 34, 35, 37, 38

EOJ040322-30, 30S, 30D Batch QC

Turbochrom Sequence File : C:\TC4\GC15\006.SEQ
Created by : JKA on : 10/6/00 05:38 PM
Edited by : JKA on : 10/6/00 06:07 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 : 2

Sequence File Header Information:

Number of Rows : 72
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	10/06/00	BLK	10/06/00	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	BLK-S n/a	BLK-S	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
6	Sample	J040322-2	322-3	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
7	Sample	J040322-3	322-2	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
8	Sample	J040322-4	322-4	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
9	Sample	J040322-5	322-5	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
	Sample	J040322-6	322-6	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
	Sample	J040322-7	322-7	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
12	Sample	J040322-8	322-8	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
13	Sample	J040322-9	322-9	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
14	Sample	J040322-10	322-10	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
15	Sample	J040322-11	322-11	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
16	Sample	J040322-12	322-12	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
17	Sample	J040322-13	322-13	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
18	Sample	J040322-[redacted]	322-14	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
19	Sample	J040322-[redacted]	322-15	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
20	Sample	[redacted]	322-16	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
21	Sample	J040322-17 w/ med	322-17	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
22	Sample	J040322-18 w/ gm	322-18	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
23	Sample	J040322-19	322-19	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
24	Sample	BLK	BLK		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
25	Sample	GASCCV	GASCCV		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
26	Sample	J040322-20 w/ med	322-20	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
27	Sample	J040322-21	322-21	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
28	Sample	322-2MS	322-2MS	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
29	Sample	322-2MSD	322-2MSD	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
30	Sample	LCSGAS-S	LCS-GAS	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
31	Sample	BLK-S	BLK-S	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
32	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
33	Sample	J040322-22	322-22	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
34	Sample	J040322-24	322-24	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
35	Sample	J040322-25	322-25	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
36	Sample	J040322-26	322-26	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
37	Sample	J040322-27	322-27	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
38	Sample	J040322-28	322-28	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
39	Sample	J040322-29	322-29	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
40	Sample	J040322-30	322-30	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
41	Sample	J040325-13	*325-13	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
42	Sample	J040325-14	*325-14	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
43	Sample	J040325-15	*325-15	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
44	Sample	J040325-29	*325-29	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
[illegible]	Sample	J040325-30	*325-30	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
	Sample	BLK	BLK		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
47	Sample	GASCCV	GASCCV		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
48	Sample	J040325-31	*325-31	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
49	Sample	J040325-33	*325-33	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
50	Sample	J040325-34	*325-34	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
51	Sample	J040325-35	*325-35	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
52	Sample	J040325-37	*325-37	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
53	Sample	J040325-38	*325-38	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
54	Sample	322-30MS	322-30MS	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000

55	Sample	322-30MSD	322-30MSD	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
56	Sample	BLK	BLK		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
57	Sample	GASCCV	GASCCV		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
58	Sample				1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
59	Sample				1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
60	Sample				1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
61	Sample				1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
	Sample				1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
	Sample				1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
64	Sample			low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
65	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
66	Sample	BLK	BLK		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
67	Sample	GASCCV	GASCCV		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
68	Sample	LCSGAS-S	LCS-GAS	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
69	Sample	BLK-S	BLK-S	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
70	Sample	BLK-S	BLK-S	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
71	Sample			low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
72	Sample				1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000

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

Time : 10/8/00 12:16 AM
Study :

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

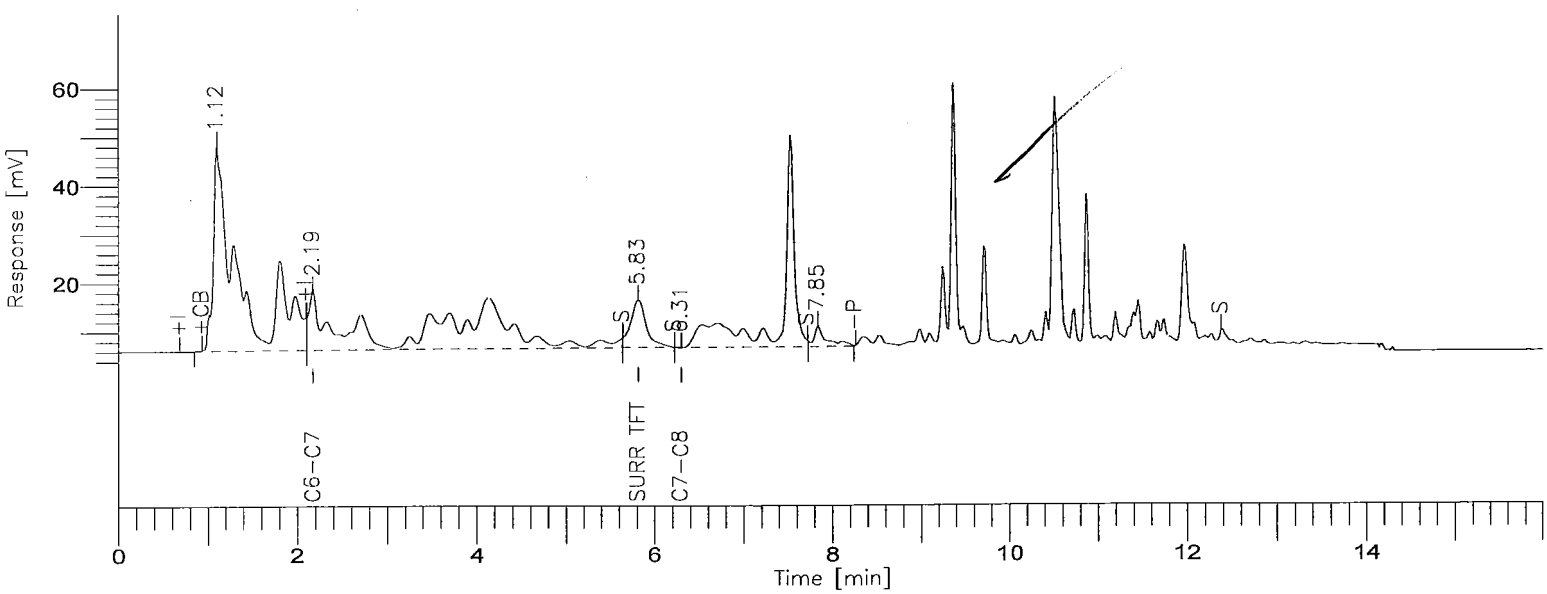
Channel : A A/D mV Range : 1000

Interface Serial # : 0269512307 Data Acquisition Time: 10/6/00 05:46 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O06A002.RAW
Result File : C:\TC4\GC15\O06A002.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O06A002.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O06A002.RST
Calib Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O06A002.RST
Sequence File : C:\TC4\GC15\O06.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]	STD Results (ppm)	STD Level (ppm)	STD % D
2.19	GASOLINE RANGE	1151158	1.0182	1.0000	1.8
5.83	SURR TFT	118887	0.0423	0.0400	5.8
		1270045			

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
2.19	C6-C7	719064	1.0262	0.0000	-----
6.31	C7-C8	432094	1.0055	0.0000	-----
		1151158			

SIL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O06A002.TX0

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

Time : 10/8/00 12:17 AM
Study :

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

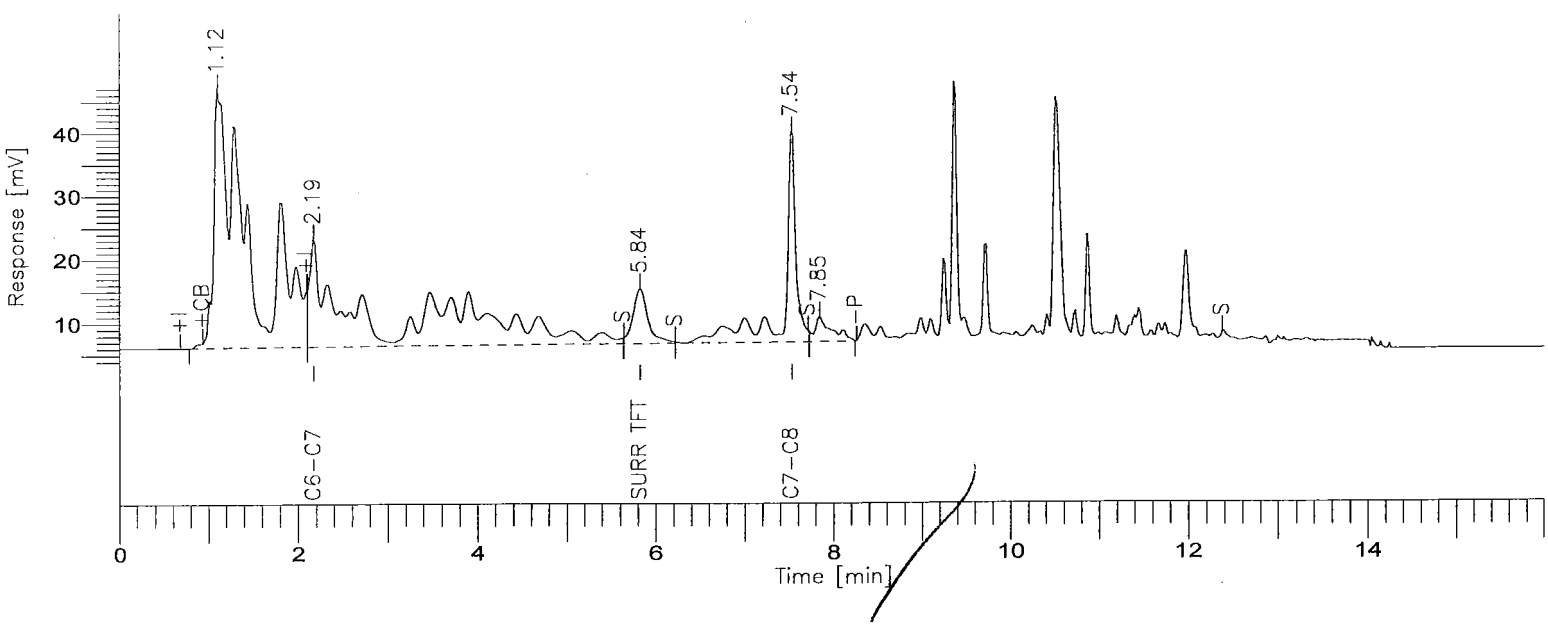
Channel : A A/D mV Range : 1000

Interface Serial # : 0269512307 Data Acquisition Time: 10/7/00 04:49 AM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O06A025.RAW
Result File : C:\TC4\GC15\O06A025.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O06A025.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O06A025.RST
Calib Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O06A025.RST
Sequence File : C:\TC4\GC15\O06.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]	STD Results (ppm)	STD Level (ppm)	STD % D
5.84	SURR TFT	102718	0.0376	0.0400	-6.1
7.54	GASOLINE RANGE	1142006	1.0103	1.0000	1.0
		1244724			

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
2.19	C6-C7	831616	1.1835	0.0000	-----
7.54	C7-C8	310390	0.7338	0.0000	-----
		1142006			

SFL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O06A025.TX0

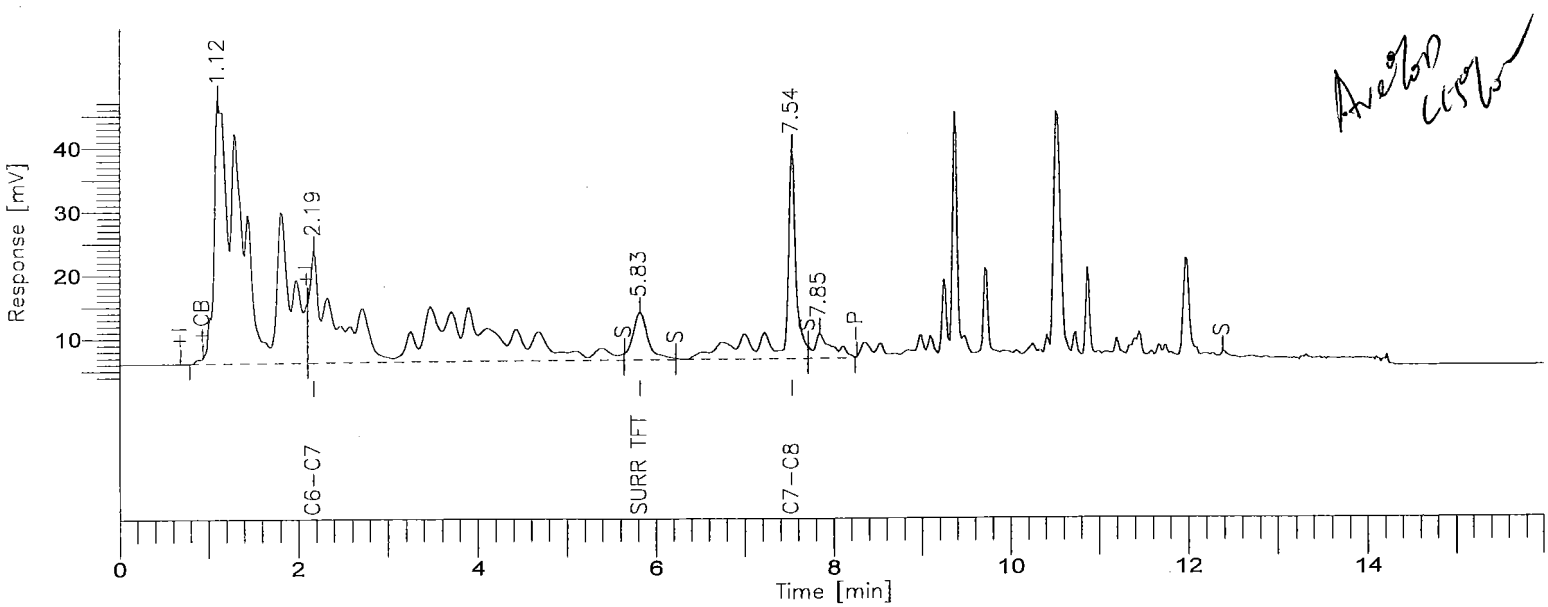
Software Version: 4.1<2F12>
Sample Name : GASCCV Time : 10/8/00 12:18 AM
Sample Number: GASCCV Study :
Operator :

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

Interface Serial # : 0269512307 Data Acquisition Time: 10/7/00 03:14 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O06A047.RAW
Result File : C:\TC4\GC15\O06A047.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O06A047.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O06A047.RST
Calib Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O06A047.RST
Sequence File : C:\TC4\GC15\O06.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
5.83	SURR TFT	89826	0.0337	0.0400	-15.6
7.54	GASOLINE RANGE	1156418	1.0227	1.0000	2.3
		1246244			

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
2.19	C6-C7	848624	1.2073	0.0000	-----
7.54	C7-C8	307794	0.7280	0.0000	-----
		1156418			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O06A047.TX0

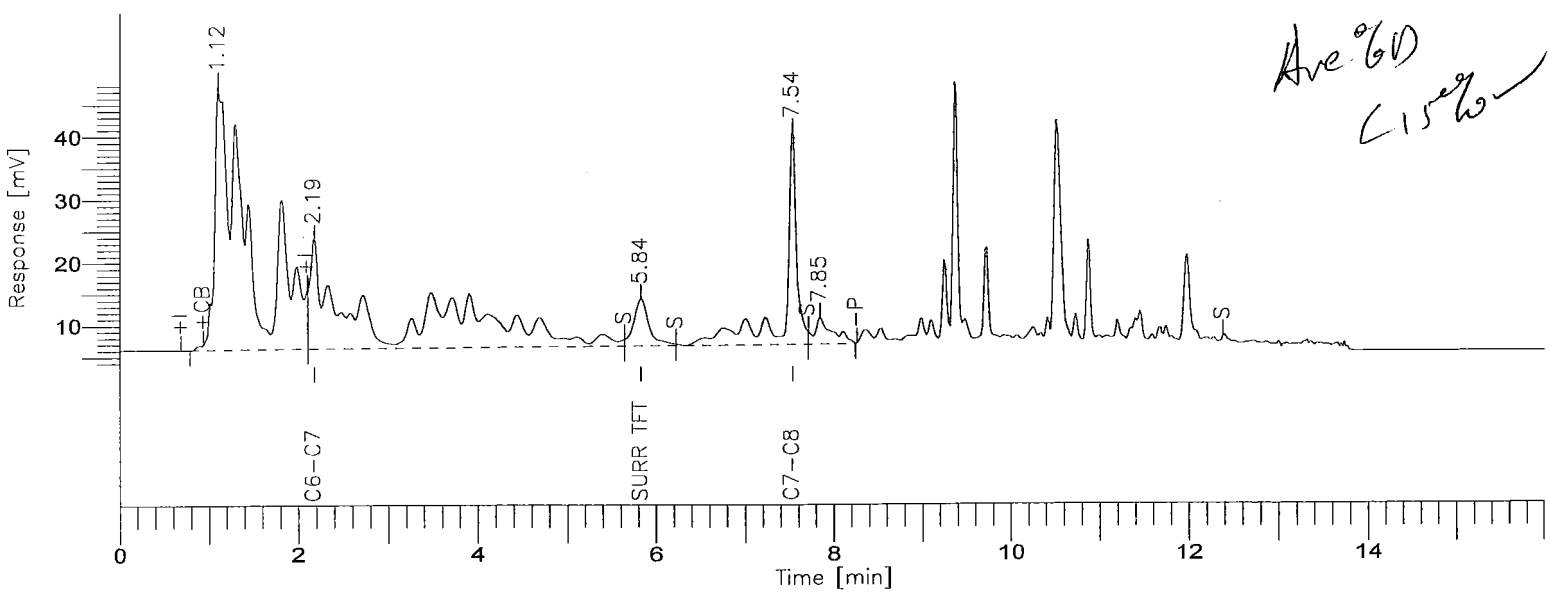
Software Version: 4.1<2F12>
Sample Name : GASCCV Time : 10/8/00 12:20 AM
Sample Number: GASCCV Study :
Operator :

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

Interface Serial # : 0269512307 Data Acquisition Time: 10/7/00 07:59 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O06A057.RAW
Result File : C:\TC4\GC15\O06A057.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O06A057.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O06A057.RST
Calib Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O06A057.RST
Sequence File : C:\TC4\GC15\O06.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

000815

BOE-C6-0169178

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
5.84	SURR TFT	90483	0.0339	0.0400	-15.1
7.54	GASOLINE RANGE	1182035	1.0447	1.0000	4.5
		1272518			

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
2.19	C6-C7	862106	1.2262	0.0000	-----
7.54	C7-C8	319929	0.7551	0.0000	-----
		1182035			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O06A057.TX0

PDE120 Severn Trent Laboratories, Inc. Date 10/09/2000
Page: 1 Data Review Time 13:22:03

Lot/Sample: E0J090000-421B INTRA-LAB BLANK TICs.....: N Report Results: Y
WO#.....: DLRPM-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: 10/07/00
Inject Time..: 7:39 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O06A031
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/04/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/09 14:22:02
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/06/00
QC Batch....: 0283421
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			0.1978	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	0.1665	83.25		

Notes:

J Estimated result. Result is less than RL.

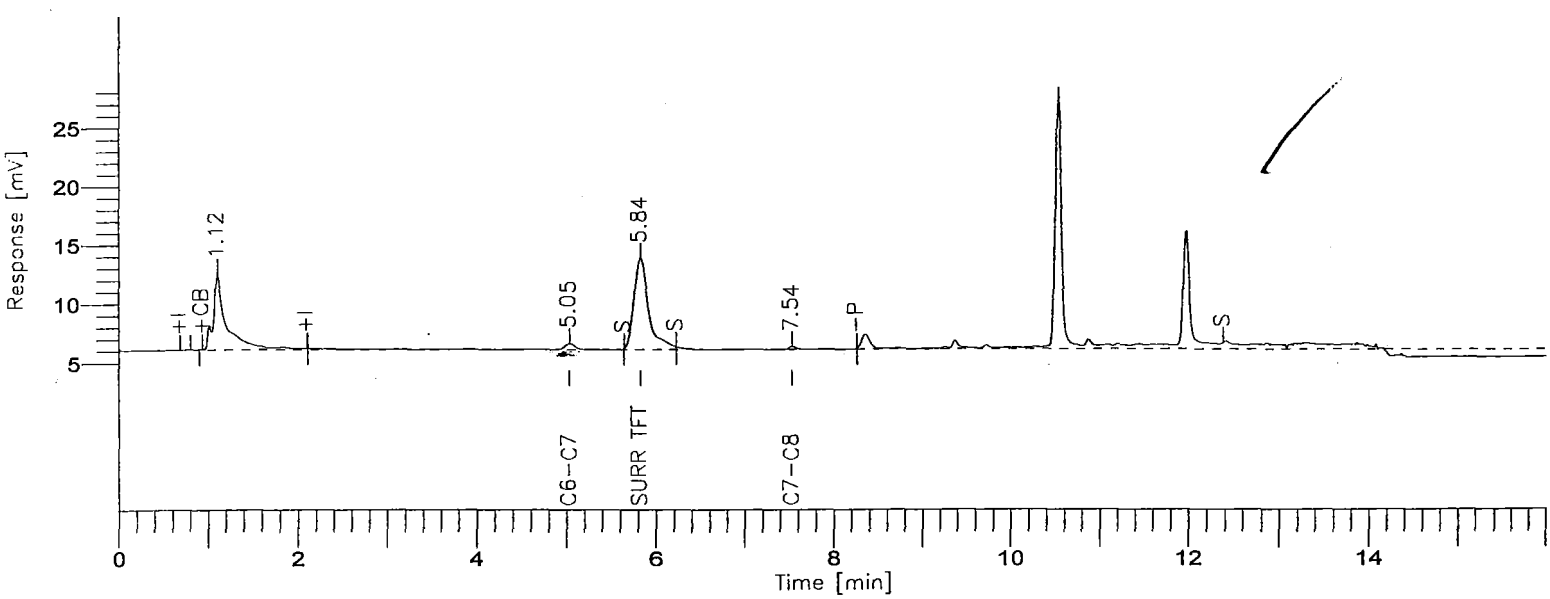
Software Version: 4.1<2F12>
Sample Name : BLK-S Time : 10/7/00 07:55 AM
Sample Number: BLK-S Study : low soil
Operator :

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

Interface Serial # : 0269512307 Data Acquisition Time: 10/7/00 07:39 AM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\006A031.RAW
Result File : C:\TC4\GC15\006A031.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\006A031.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8
Calib Method : C:\TC4\GC15\METHODS\925C6-C8
Sequence File : C:\TC4\GC15\006.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]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.04	GASOLINE RANGE	12775	0.1978	-----	1.00		0.0396
5.84	SURR TFT	88331	0.1665	83.3	0.00		0.0333
		101106					0.0729

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.04	C6-C7	8989	0.1668	-----	0.00		0.0334
7.54	C7-C8	3786	0.2474	-----	0.00		0.0495
		12775					0.0828

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O06A031.TX0

Lot/Sample: E0J090000-421C INTRA-LAB CHECK TICs.....: N Report Results: Y
WO#.....: DLRPM-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: 10/07/00
Inject Time..: 7:11 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O06A030
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/04/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/09 12:54:21
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/06/00
QC Batch.....: 0283421
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
	Sample amount: NA								
04863	Gasoline Range Organics			5.0	NA	0	0		NA
	Sample amount: NA								
02909	TPH (as Gasoline)			5.0	6.2949	125.8	0		
	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	0.2550	127.5		

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

Time : 10/7/00 07:27 AM
Study : low soil

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

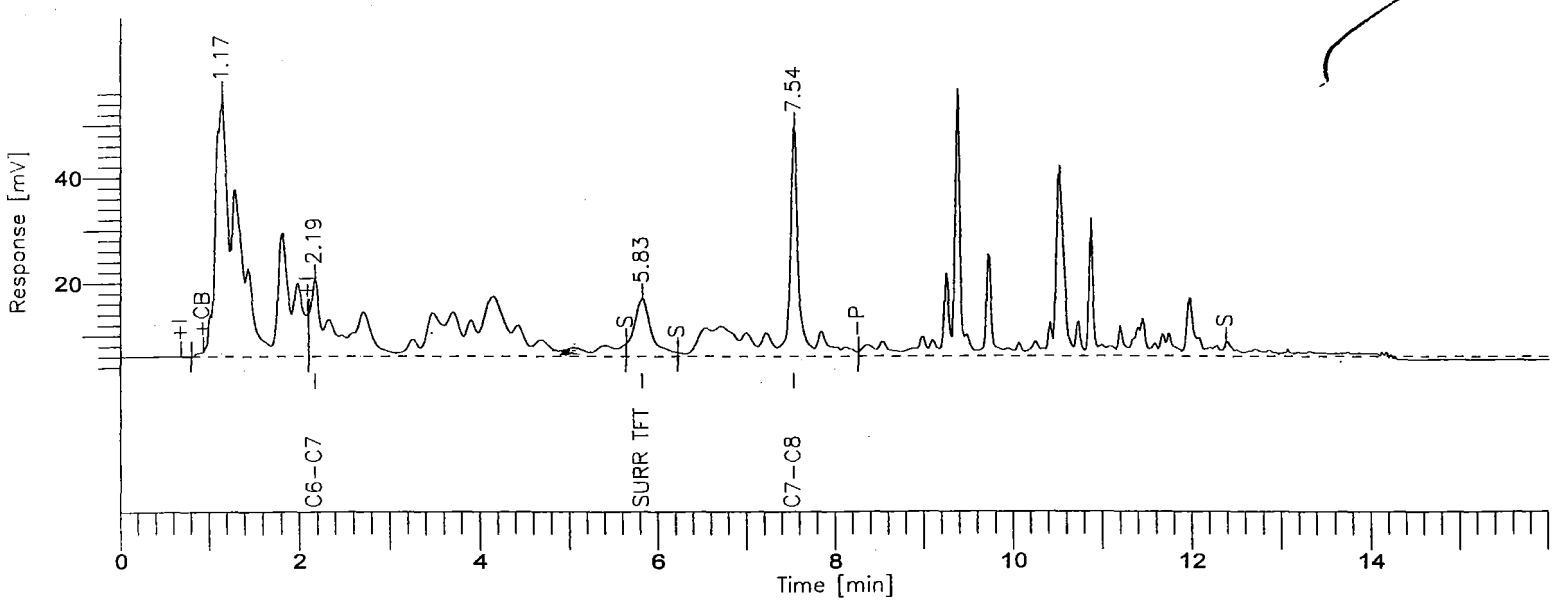
Channel : A A/D mV Range : 1000

Interface Serial # : 0269512307 Data Acquisition Time: 10/7/00 07:11 AM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\006A030.RAW
Result File : C:\TC4\GC15\006A030.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\006A030.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8
Calib Method : C:\TC4\GC15\METHODS\925C6-C8
Sequence File : C:\TC4\GC15\006.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)
5.83	SURR TFT	148218	0.2550	0.2000	127.5		0.0510
7.54	GASOLINE RANGE	1431247	6.2949	5.0000	125.9		1.2590
		1579465					1.3100

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	QC Spike (ppm)	QC % REC	FN	Raw Amount (ppm)
2.19	C6-C7	875594	6.2251	0.0000	-----		1.2450
7.54	C7-C8	555653	6.4063	0.0000	-----		1.2813
		1431247					2.5263

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O06A030.TX0

PDE120 Severn Trent Laboratories, Inc. Date 10/09/2000
Page: 1 Data Review Time 14:05:44

Lot/Sample: E0J040325-013 C-2-66-5 TICs.....: N Report Results: Y
WO#.....: DLJMV-1-02 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: 10/07/00
Inject Time..: 12:23 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O06A041
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/04/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/09 15:05:42
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/06/00
QC Batch.....: 0283421
MS Run Number: 0283187
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			0.1562 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	0.1832	91.6		

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.

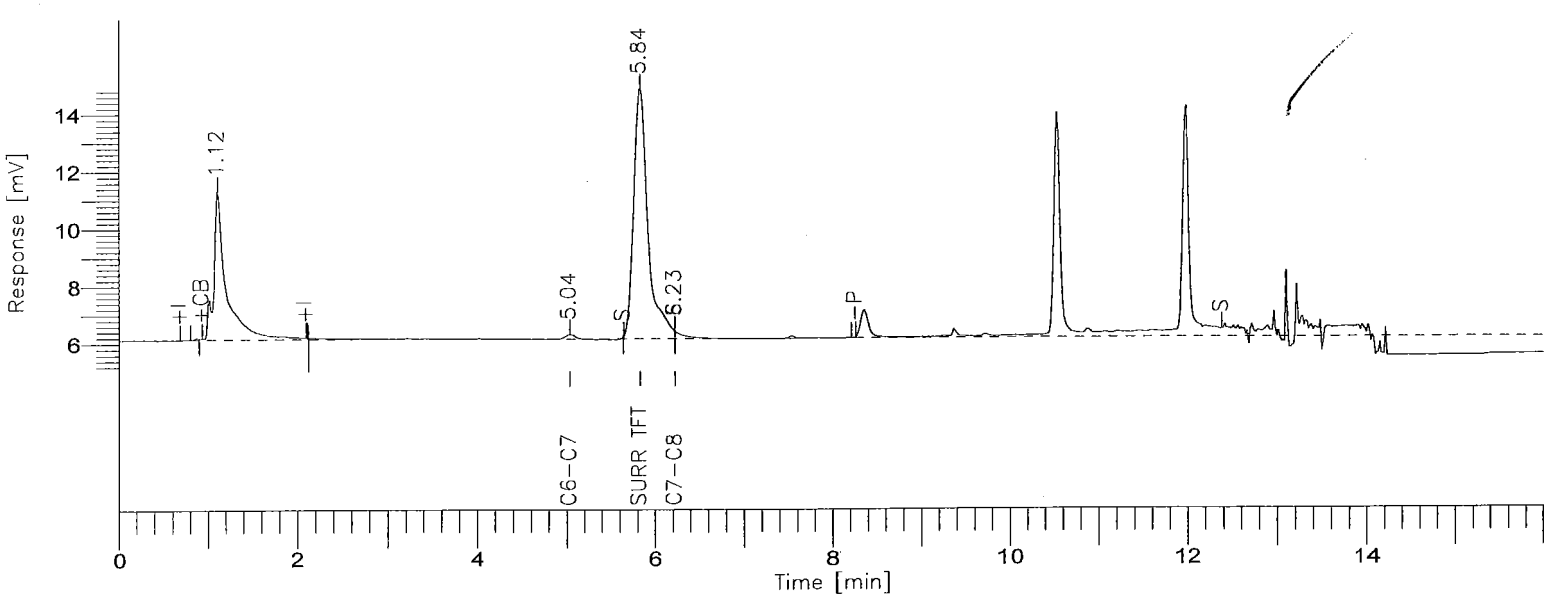
Software Version: 4.1<2F12>
Sample Name : J040325-13 Time : 10/7/00 12:39 PM
Sample Number: *325-13 Study : low soil
Operator :

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

Interface Serial # : 0269512307 Data Acquisition Time: 10/7/00 12:23 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O06A041.RAW
Result File : C:\TC4\GC15\O06A041.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O06A041.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8
Calib Method : C:\TC4\GC15\METHODS\925C6-C8
Sequence File : C:\TC4\GC15\O06.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]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.84	SURR TFT	99587	0.1832	91.6	0.00		0.0366
6.23	GASOLINE RANGE	3105	0.1562	-----	1.00		0.0312
		102692					0.0679

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.04	C6-C7	1396	0.1137	-----	0.00		0.0227
6.23	C7-C8	1709	0.2242	-----	0.00		0.0448
		3105					0.0676

Report stored in ASCII file: C:\TC4\GC15\O06A041.TX0

Lot/Sample: E0J040325-014 C-2-66-10 TICs.....: N Report Results: Y
WO#.....: DLJMW-1-02 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 15 KJ 01 Dry Weight..: N Upload.....:
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/07/00
Inject Time..: 12:52 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O06A042
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/04/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/09 14:25:19
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/06/00
QC Batch.....: 0283421
MS Run Number: 0283187
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			0.1569 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	0.1839	91.95		

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.

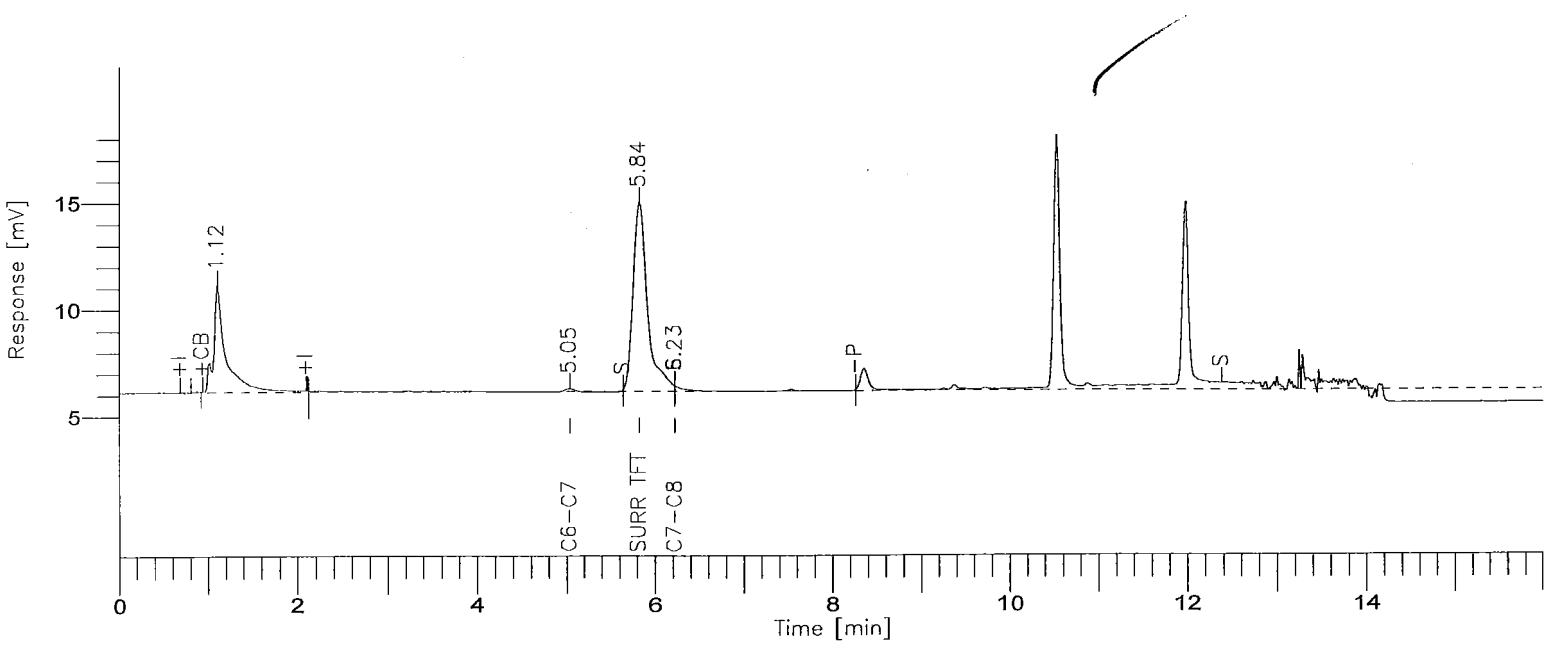
Software Version: 4.1<2F12>
Sample Name : J040325-14 Time : 10/7/00 01:08 PM
Sample Number: *325-14 Study : low soil
Operator :

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

Interface Serial # : 0269512307 Data Acquisition Time: 10/7/00 12:52 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O06A042.RAW
Result File : C:\TC4\GC15\O06A042.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O06A042.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8
Calib Method : C:\TC4\GC15\METHODS\925C6-C8
Sequence File : C:\TC4\GC15\O06.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

000827

BOE-C6-0169190

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.84	SURR TFT	100088	0.1839	92.0	0.00		0.0368
6.23	GASOLINE RANGE	3258	0.1569	-----	1.00		0.0314
		103346					0.0682

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.05	C6-C7	1309	0.1131	-----	0.00		0.0226
6.23	C7-C8	1949	0.2269	-----	0.00		0.0454
		3258					0.0680

Report stored in ASCII file: C:\TC4\GC15\O06A042.TX0

Lot/Sample: E0J040325-015 C-2-66-15 TICs.....: N Report Results: Y
WO#.....: DLJMX-1-02 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: 10/07/00
Inject Time..: 13:20 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O06A043
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/04/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/09 14:25:33
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/06/00
QC Batch.....: 0283421
MS Run Number: 0283187
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			0.1525 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	0.1720	86		

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.

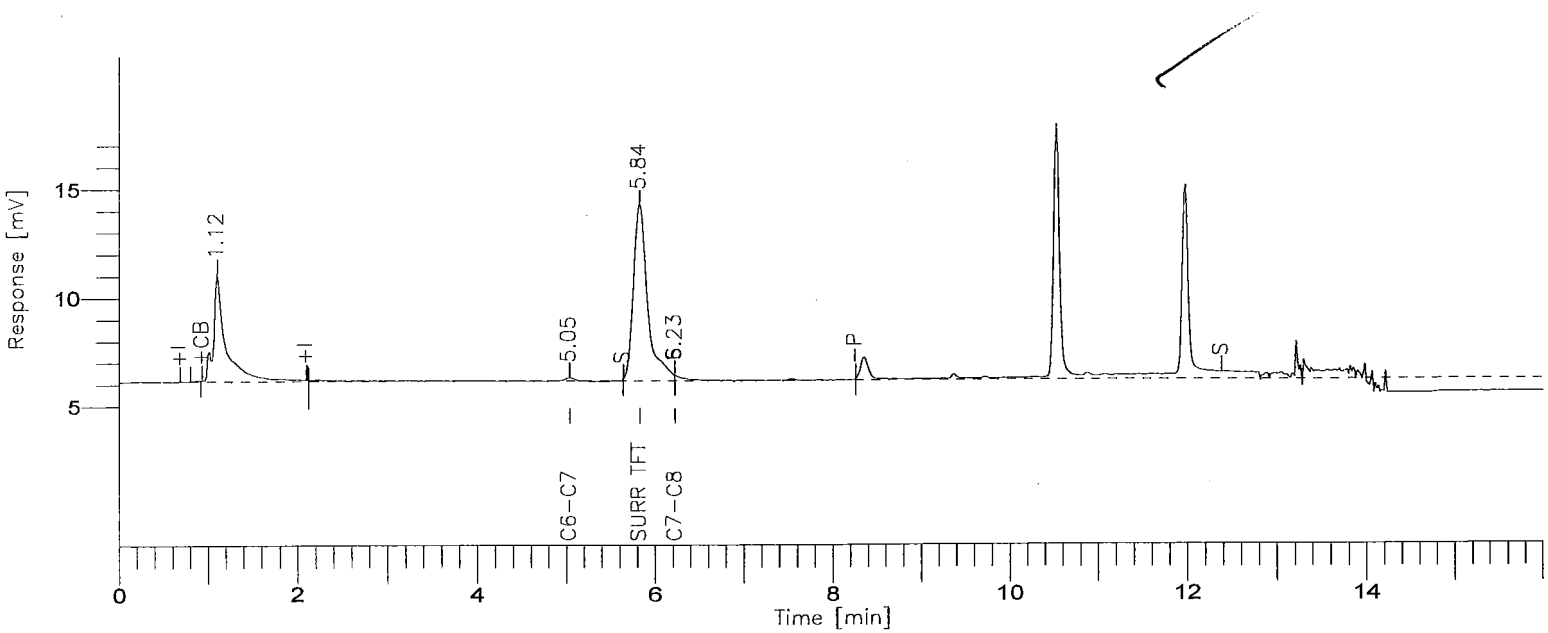
Software Version: 4.1<2F12>
Sample Name : J040325-15 Time : 10/7/00 01:36 PM
Sample Number: *325-15 Study : low soil
Operator :

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

Interface Serial # : 0269512307 Data Acquisition Time: 10/7/00 01:20 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O06A043.RAW
Result File : C:\TC4\GC15\O06A043.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O06A043.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8
Calib Method : C:\TC4\GC15\METHODS\925C6-C8
Sequence File : C:\TC4\GC15\O06.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]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.84	SURR TFT	92036	0.1720	86.0	0.00		0.0344
6.23	GASOLINE RANGE	2228	0.1525	-----	1.00		0.0305
		94264					0.0649

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.05	C6-C7	904	0.1102	-----	0.00		0.0220
6.23	C7-C8	1324	0.2199	-----	0.00		0.0440
		2228					0.0660

[illegible] - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O06A043.TX0

Lot/Sample: E0J040325-029 C-2-70-5 TICs.....: N Report Results: Y
WO#.....: DLJNP-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: 10/07/00
Inject Time..: 13:49 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O06A044
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/04/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/09 14:25:49
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/06/00
QC Batch.....: 0283421
MS Run Number: 0283187
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			0.1546 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	0.1683	84.15		

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.

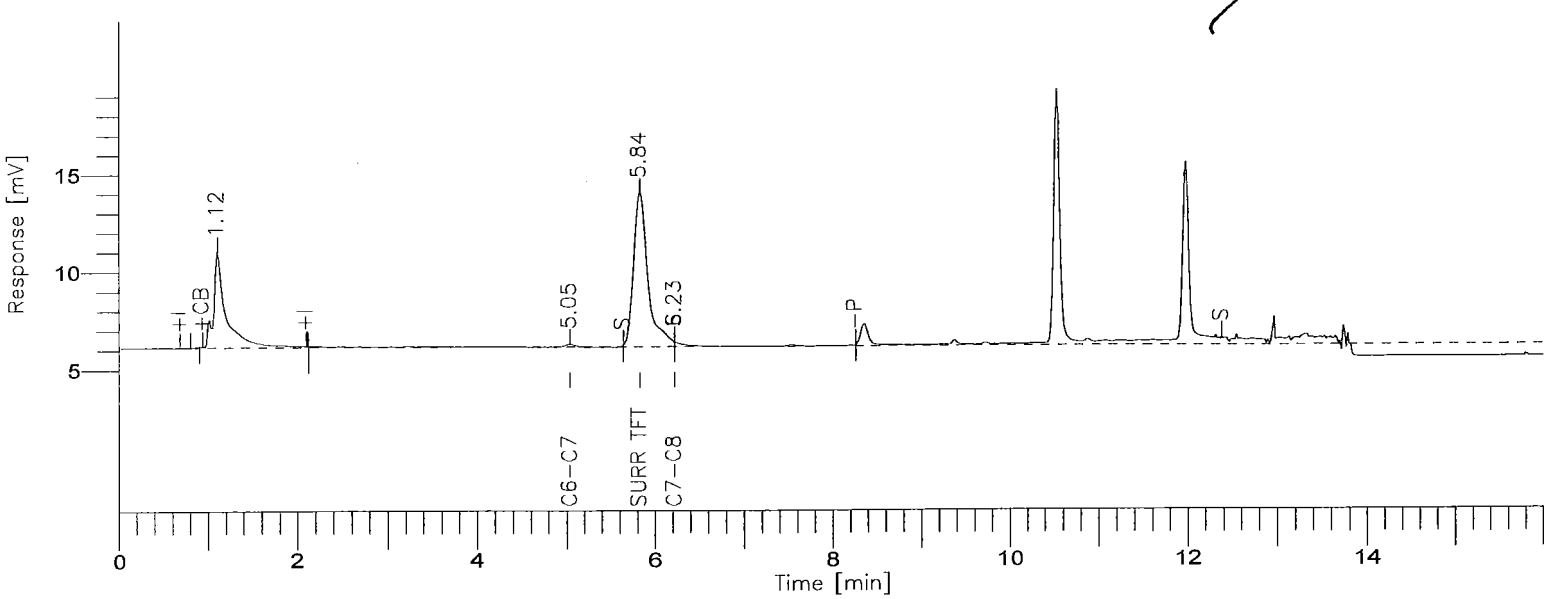
Software Version: 4.1<2F12>
Sample Name : J040325-29 Time : 10/7/00 02:05 PM
Sample Number: *325-29 Study : low soil
Operator :

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

Interface Serial # : 0269512307 Data Acquisition Time: 10/7/00 01:49 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O06A044.RAW
Result File : C:\TC4\GC15\O06A044.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O06A044.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8
Calib Method : C:\TC4\GC15\METHODS\925C6-C8
Sequence File : C:\TC4\GC15\O06.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

000833

BOE-C6-0169196

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.84	SURR TFT	89534	0.1683	84.2	0.00		0.0337
6.23	GASOLINE RANGE	2727	0.1546	-----	1.00		0.0309
		92261					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)
5.05	C6-C7	1036	0.1112	-----	0.00		0.0222
6.23	C7-C8	1691	0.2240	-----	0.00		0.0448
		2727					0.0670

Report stored in ASCII file: C:\TC4\GC15\O06A044.TXO

Lot/Sample: E0J040325-030 C-2-70-10 TICs.....: N Report Results: Y
WO#.....: DLJNR-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: 10/07/00
Inject Time..: 14:17 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O06A045
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/04/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/09 14:26:05
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/06/00
QC Batch.....: 0283421
MS Run Number: 0283187
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			0.1539 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	0.1836	91.8		

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.

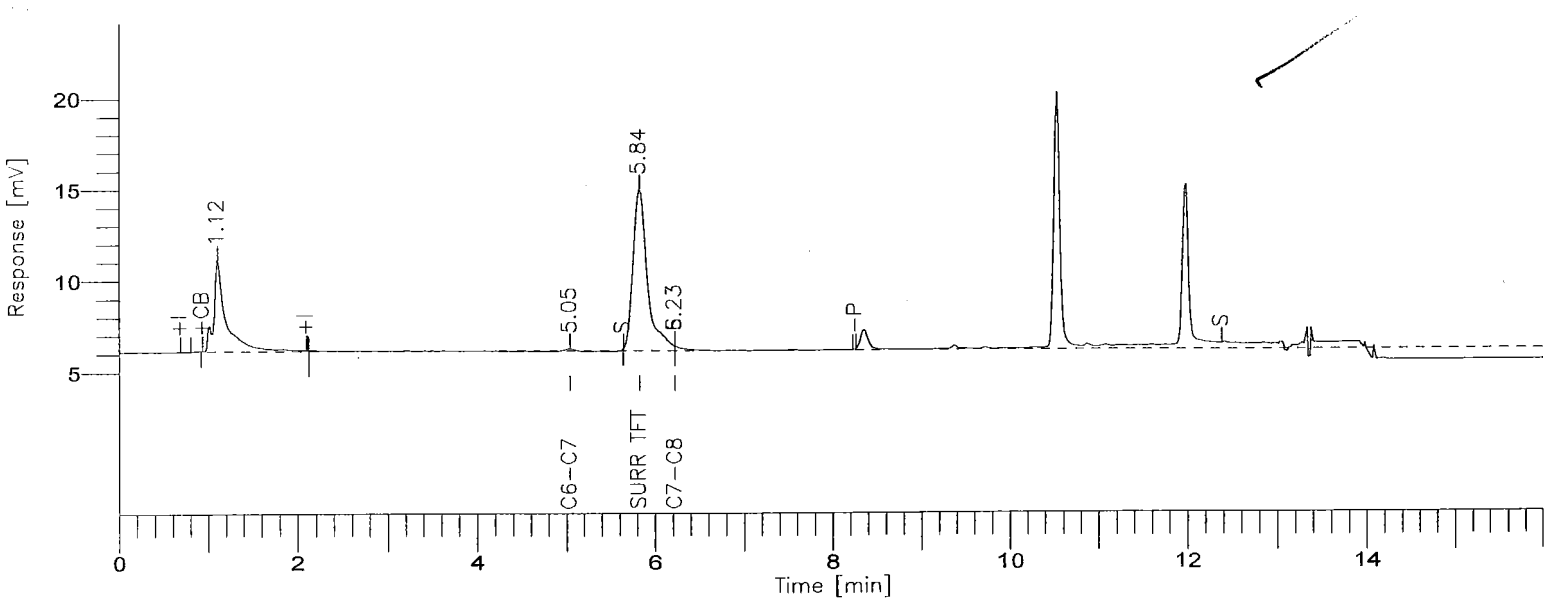
Software Version: 4.1<2F12>
Sample Name : J040325-30 Time : 10/7/00 02:33 PM
Sample Number: *325-30 Study : low soil
Operator :

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

Interface Serial # : 0269512307 Data Acquisition Time: 10/7/00 02:17 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O06A045.RAW
Result File : C:\TC4\GC15\O06A045.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O06A045.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8
Calib Method : C:\TC4\GC15\METHODS\925C6-C8
Sequence File : C:\TC4\GC15\O06.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]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.84	SURR TFT	99851	0.1836	91.8	0.00		0.0367
6.23	GASOLINE RANGE	2551	0.1539	-----	1.00		0.0308
		102402					0.0675

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.05	C6-C7	1015	0.1110	-----	0.00		0.0222
6.23	C7-C8	1536	0.2223	-----	0.00		0.0445
		2551					0.0667

- LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O06A045.TX0

Lot/Sample: E0J040325-031 C-2-71-5 TICs.....: N Report Results: Y
WO#.....: DLJNV-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: 10/07/00
Inject Time..: 15:43 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O06A048
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/04/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/09 14:26:20
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/06/00
QC Batch.....: 0283421
MS Run Number: 0283187
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			0.1800 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	0.1782	89.1		

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.

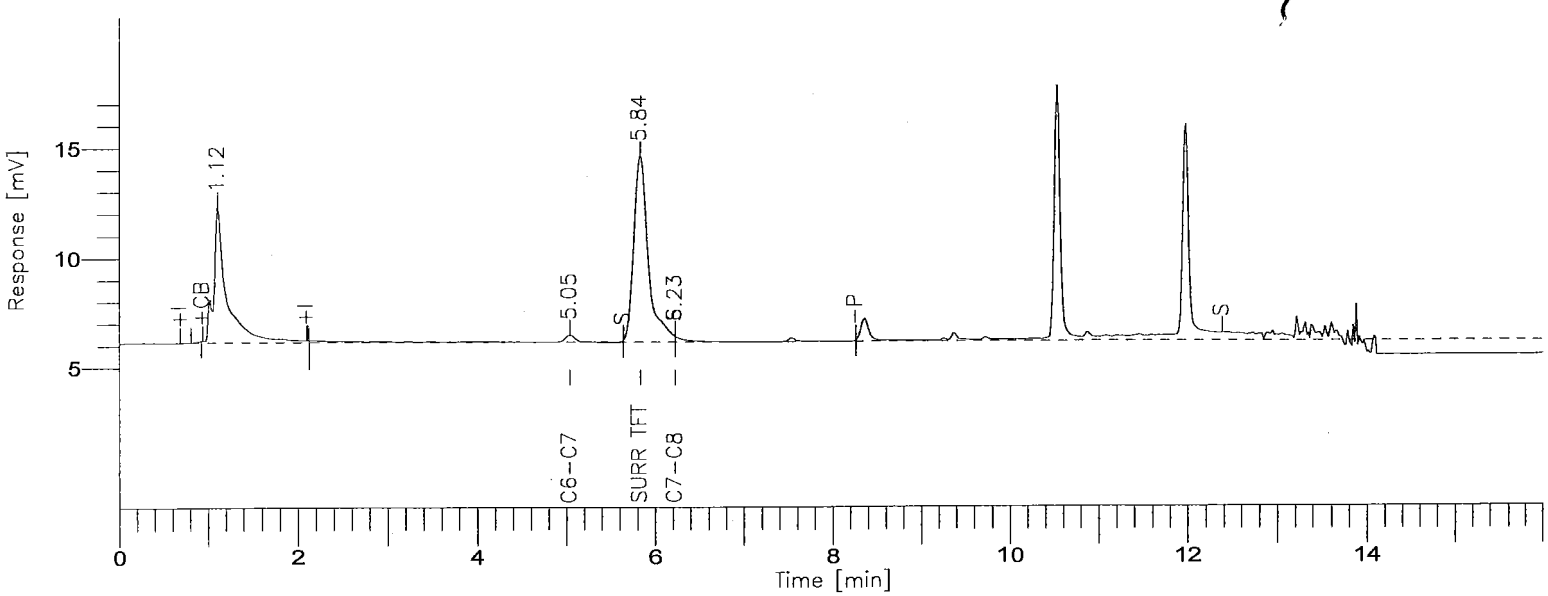
Software Version: 4.1<2F12>
Sample Name : J040325-31 Time : 10/7/00 03:59 PM
Sample Number: *325-31 Study : low soil
Operator :

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

Interface Serial # : 0269512307 Data Acquisition Time: 10/7/00 03:43 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O06A048.RAW
Result File : C:\TC4\GC15\O06A048.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O06A048.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8
Calib Method : C:\TC4\GC15\METHODS\925C6-C8
Sequence File : C:\TC4\GC15\O06.SEQ

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



8015B(TVPH)

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GC-15/FID COLUMN: DB624

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Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.05	GASOLINE RANGE	8621	0.1800	-----	1.00		0.0360
5.84	SURR TFT	96228	0.1782	89.1	0.00		0.0356
		104849					0.0716

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.05	C6-C7	6022	0.1460	-----	0.00		0.0292
6.23	C7-C8	2599	0.2341	-----	0.00		0.0468
		8621					0.0760

[illegible] - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O06A048.TX0

Lot/Sample: E0J040325-033 C-2-72-1 TICs.....: N Report Results: Y
WO#.....: DLJP2-1-03 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: 10/07/00
Inject Time..: 16:11 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O06A049
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/04/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/09 14:26:34
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/06/00
QC Batch.....: 0283421
MS Run Number: 0283187
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			0.1582 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	0.1652	82.6		

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.

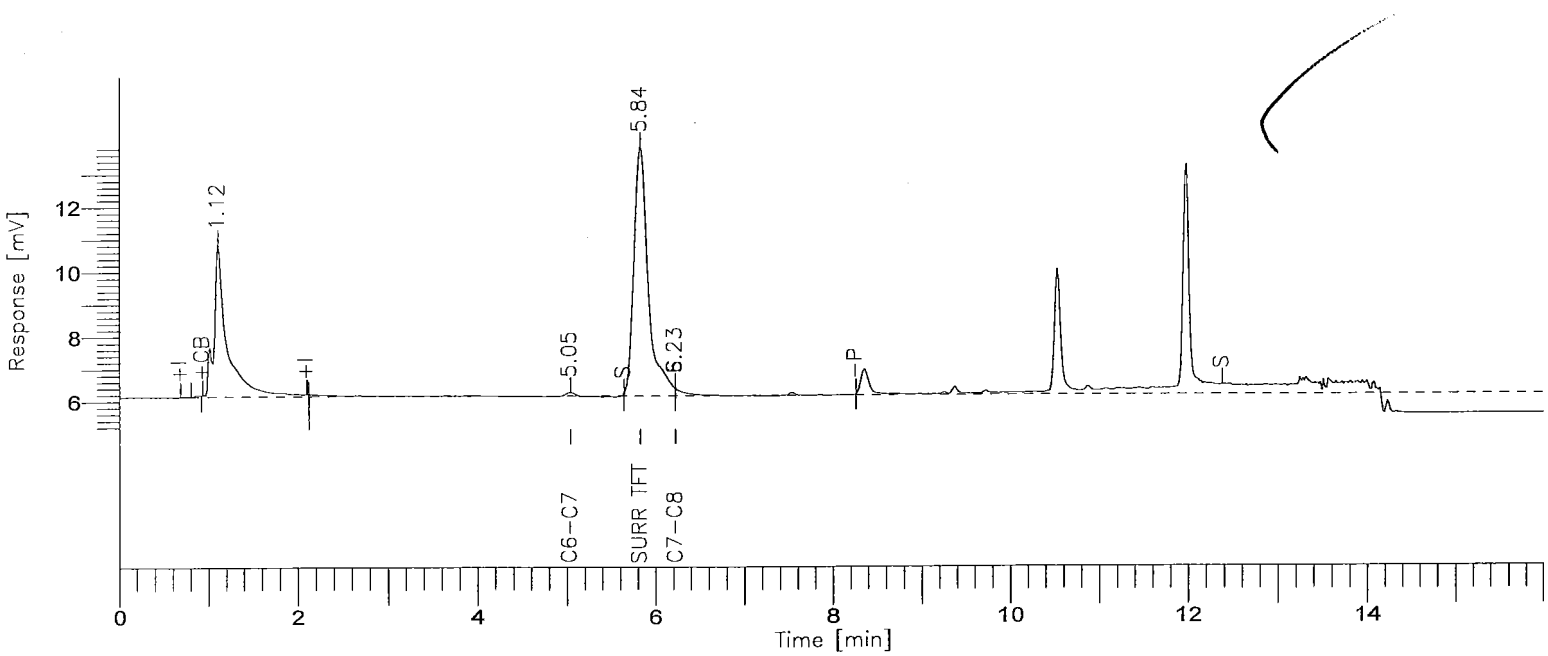
Software Version: 4.1<2F12>
Sample Name : J040325-33 Time : 10/7/00 04:27 PM
Sample Number: *325-33 Study : low soil
Operator :

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

Interface Serial # : 0269512307 Data Acquisition Time: 10/7/00 04:11 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O06A049.RAW
Result File : C:\TC4\GC15\O06A049.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O06A049.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8
Calib Method : C:\TC4\GC15\METHODS\925C6-C8
Sequence File : C:\TC4\GC15\O06.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

000842

BOE-C6-0169205

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.84	SURR TFT	87435	0.1652	82.6	0.00		0.0330
6.23	GASOLINE RANGE	3561	0.1582	-----	1.00		0.0316
		90996					0.0647

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.05	C6-C7	1737	0.1161	-----	0.00		0.0232
6.23	C7-C8	1824	0.2255	-----	0.00		0.0451
		3561					0.0683

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O06A049.TXO

PDE120 Severn Trent Laboratories, Inc. Date 10/09/2000
Page: 1 Data Review Time 13:26:46

Lot/Sample: E0J040325-034 C-2-72-5 TICs.....: N Report Results: Y
WO#.....: DLJP4-1-03 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: 10/07/00
Inject Time..: 16:39 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O06A050
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/04/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/09 14:26:45
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/06/00
QC Batch.....: 0283421
MS Run Number: 0283187
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			0.2972 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	0.1811	90.55		

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.

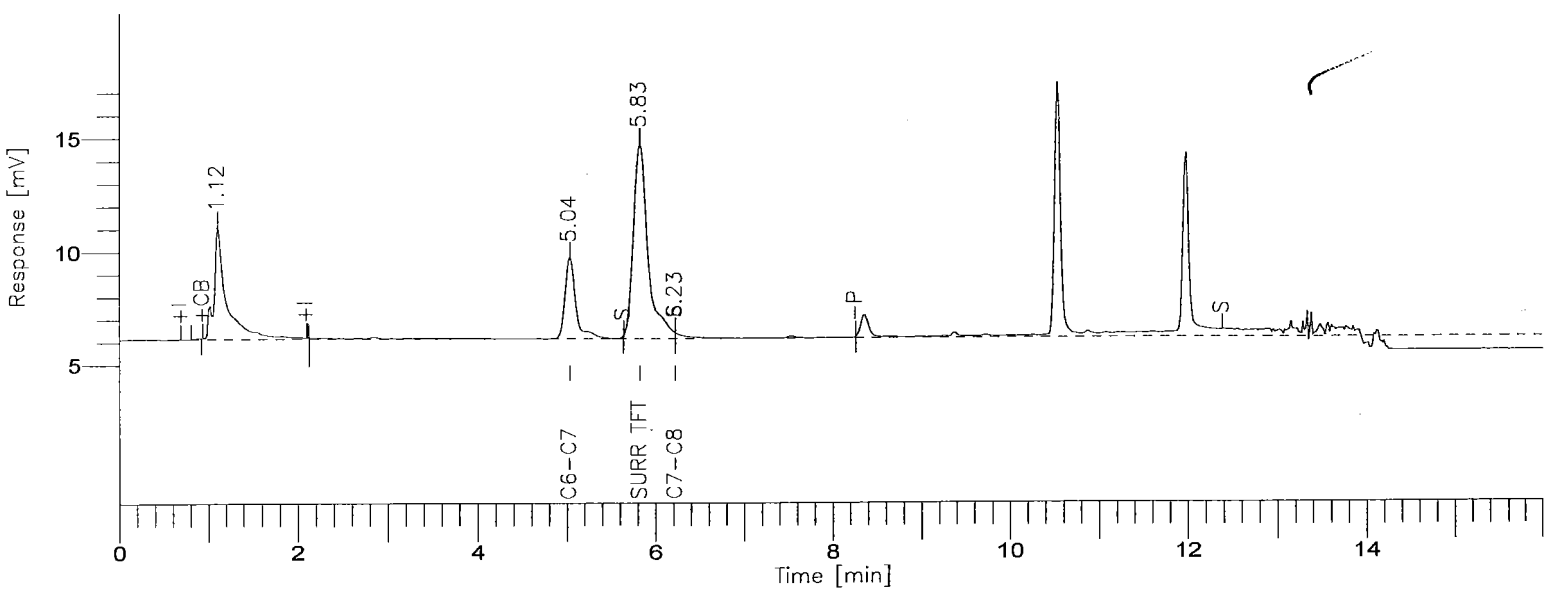
Software Version: 4.1<2F12>
Sample Name : J040325-34 Time : 10/7/00 04:55 PM
Sample Number: *325-34 Study : low soil
Operator :

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

Interface Serial # : 0269512307 Data Acquisition Time: 10/7/00 04:39 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O06A050.RAW
Result File : C:\TC4\GC15\O06A050.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O06A050.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8
Calib Method : C:\TC4\GC15\METHODS\925C6-C8
Sequence File : C:\TC4\GC15\O06.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]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.04	GASOLINE RANGE	35895	0.2972	-----	1.00		0.0594
5.83	SURR TFT	98173	0.1811	90.5	0.00		0.0362
		134068					0.0957

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.04	C6-C7	33349	0.3371	-----	0.00		0.0674
6.23	C7-C8	2546	0.2335	-----	0.00		0.0467
		35895					0.1141

Report stored in ASCII file: C:\TC4\GC15\O06A050.TX0

PDE120 Severn Trent Laboratories, Inc. Date 10/09/2000
Page: 1 Data Review Time 13:26:56

Lot/Sample: E0J040325-035 C-2-73-5 TICs.....: N Report Results: Y
WO#.....: DLJP5-1-03 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: 10/07/00
Inject Time..: 17:08 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O06A051
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/04/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/09 14:26:56
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/06/00
QC Batch.....: 0283421
MS Run Number: 0283187
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			0.2788 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	0.1823	91.15		

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.

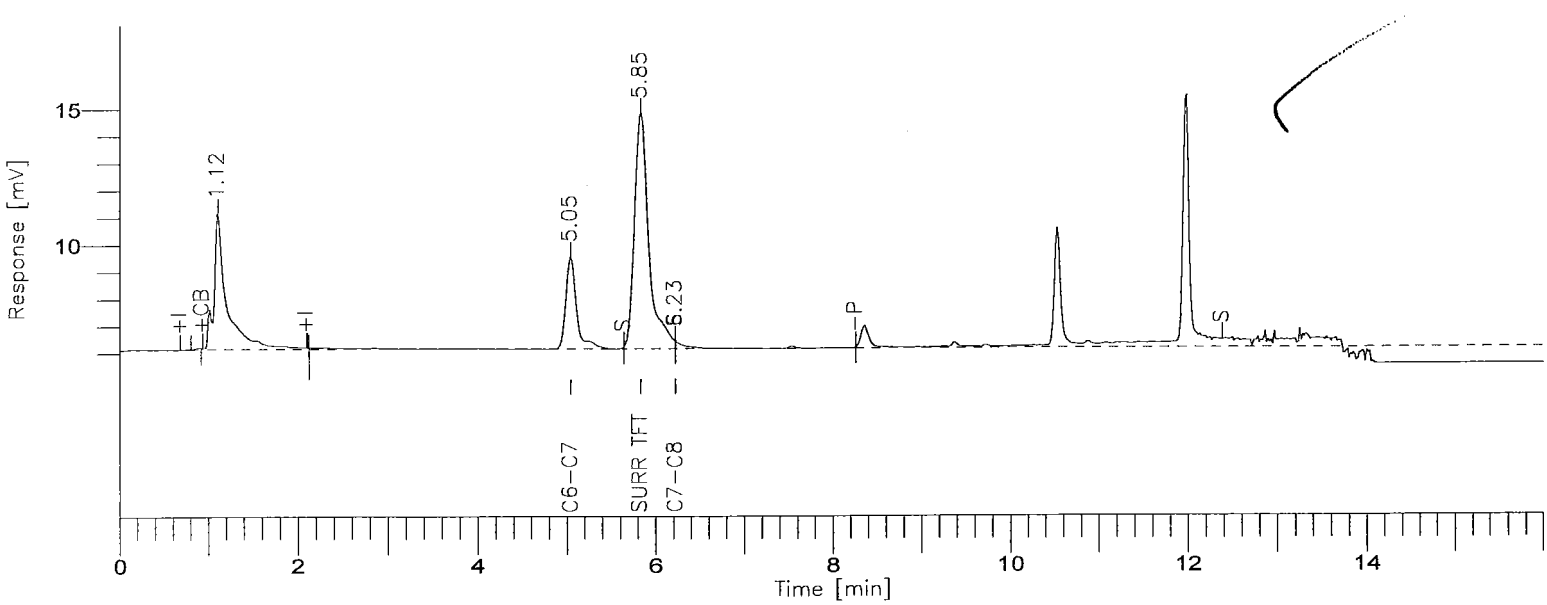
Software Version: 4.1<2F12>
Sample Name : J040325-35 Time : 10/7/00 05:24 PM
Sample Number: *325-35 Study : low soil
Operator :

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

Interface Serial # : 0269512307 Data Acquisition Time: 10/7/00 05:08 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O06A051.RAW
Result File : C:\TC4\GC15\O06A051.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O06A051.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8
Calib Method : C:\TC4\GC15\METHODS\925C6-C8
Sequence File : C:\TC4\GC15\O06.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]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.05	GASOLINE RANGE	31628	0.2788	-----	1.00		0.0558
5.84	SURR TFT	98983	0.1823	91.1	0.00		0.0365
		130611					0.0922

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.05	C6-C7	29858	0.3127	-----	0.00		0.0625
6.23	C7-C8	1770	0.2249	-----	0.00		0.0450
		31628					0.1075

[illegible] - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O06A051.TX0

Lot/Sample: E0J040325-037 C-2-74-1 TICs.....: N Report Results: Y
WO#.....: DLJP8-1-03 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: 10/07/00
Inject Time..: 17:36 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O06A052
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/04/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/09 14:27:05
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/06/00
QC Batch.....: 0283421
MS Run Number: 0283187
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			0.1668 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	0.1748	87.4		

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.

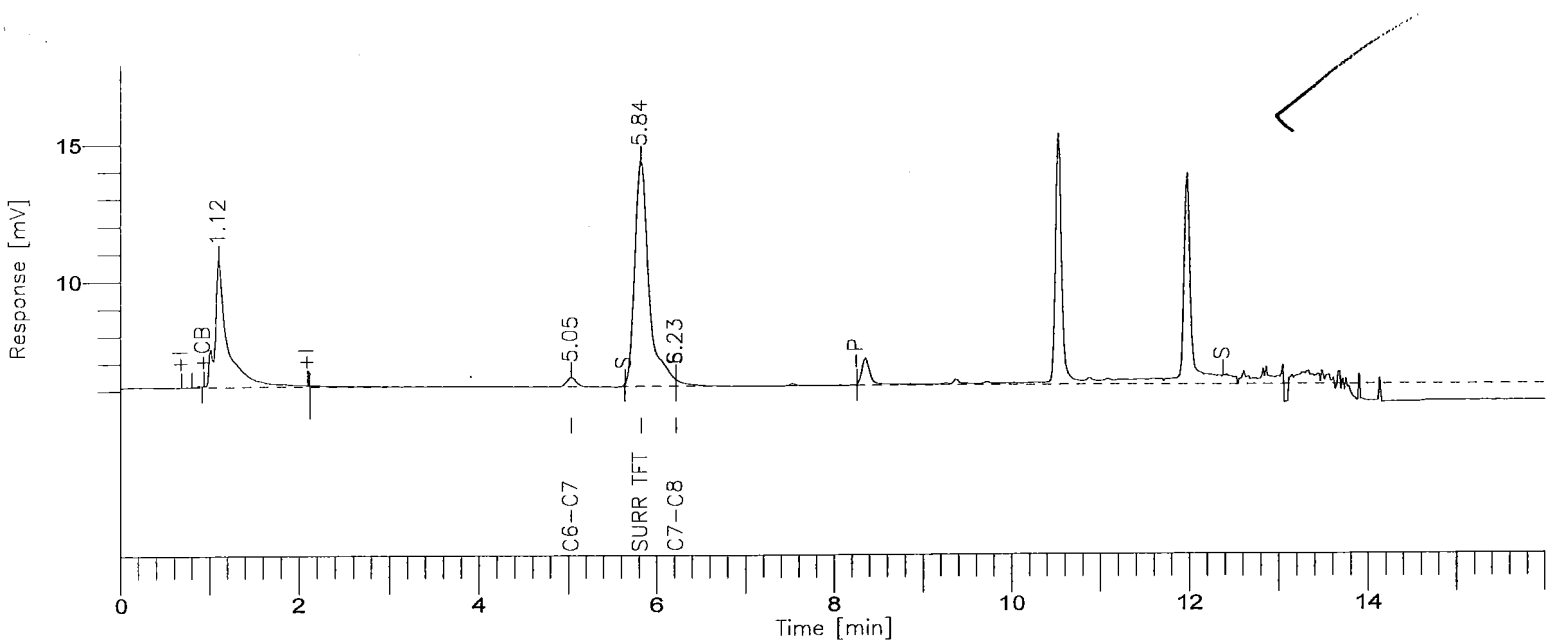
Software Version: 4.1<2F12>
Sample Name : J040325-37 Time : 10/7/00 05:52 PM
Sample Number: *325-37 Study : low soil
Operator :

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

Interface Serial # : 0269512307 Data Acquisition Time: 10/7/00 05:36 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O06A052.RAW
Result File : C:\TC4\GC15\O06A052.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O06A052.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8
Calib Method : C:\TC4\GC15\METHODS\925C6-C8
Sequence File : C:\TC4\GC15\O06.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

000851

BOE-C6-0169214

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.05	GASOLINE RANGE	5552	0.1668	-----	1.00		0.0334
5.84	SURR TFT	93906	0.1748	87.4	0.00		0.0350
		99458					0.0683

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.05	C6-C7	3534	0.1286	-----	0.00		0.0257
6.23	C7-C8	2018	0.2276	-----	0.00		0.0455
		5552					0.0713

[illegible] - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O06A052.TX0

Lot/Sample: E0J040325-038 C-2-74-5 TICs.....: N Report Results: Y
WO#.....: DLJP9-1-03 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: 10/07/00
Inject Time..: 18:04 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O06A053
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/04/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/09 14:27:16
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/06/00
QC Batch.....: 0283421
MS Run Number: 0283187
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			0.1795 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	0.1687	84.35		

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.

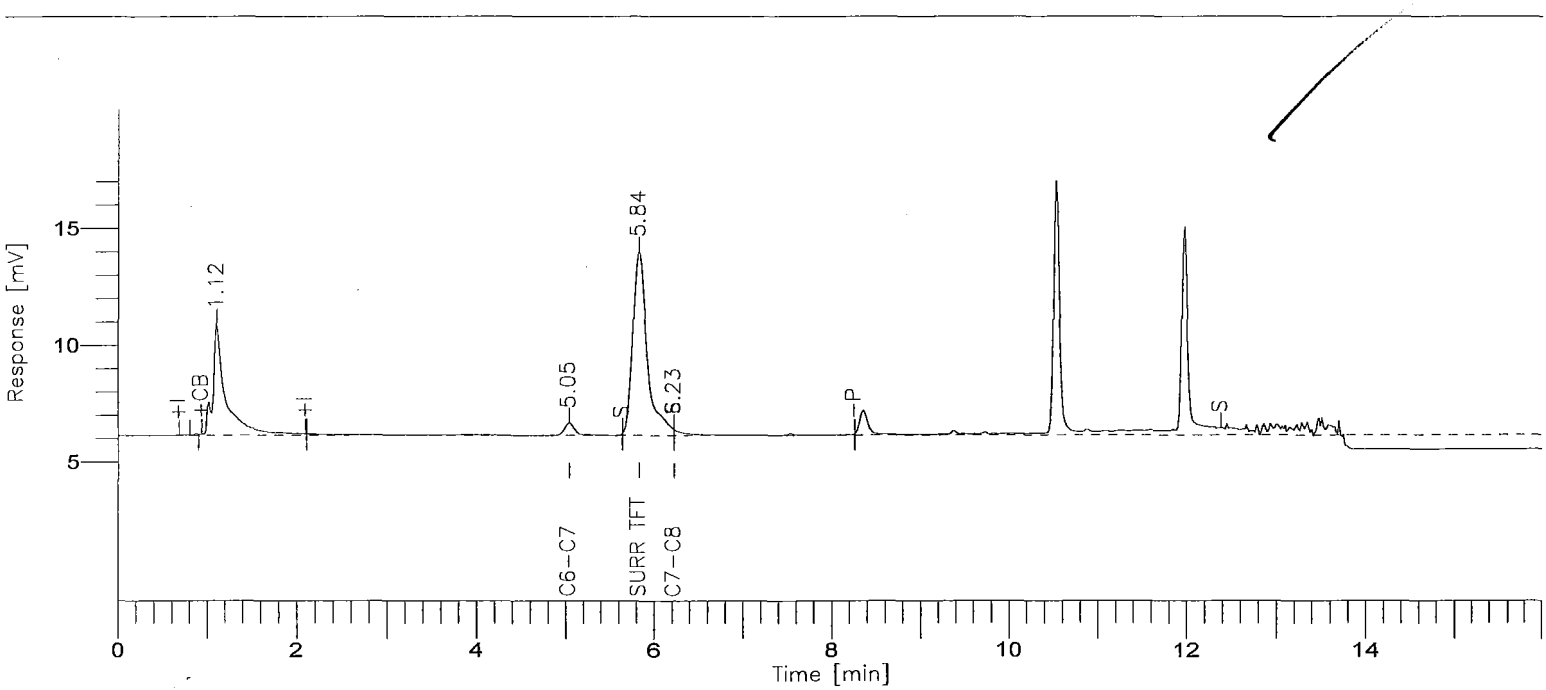
Software Version: 4.1<2F12>
Sample Name : J040325-38 Time : 10/7/00 06:20 PM
Sample Number: *325-38 Study : low soil
Operator :

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

Interface Serial # : 0269512307 Data Acquisition Time: 10/7/00 06:04 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O06A053.RAW
Result File : C:\TC4\GC15\O06A053.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O06A053.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8
Calib Method : C:\TC4\GC15\METHODS\925C6-C8
Sequence File : C:\TC4\GC15\O06.SEQ

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



8015B(TVPH)

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GC-15/FID COLUMN: DB624

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Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.05	GASOLINE RANGE	8521	0.1795	-----	1.00		0.0359
5.84	SURR TFT	89771	0.1687	84.3	0.00		0.0337
		98292					0.0696

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.05	C6-C7	6091	0.1465	-----	0.00		0.0293
6.23	C7-C8	2430	0.2322	-----	0.00		0.0464
		8521					0.0757

[illegible] - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O06A053.TX0

Lot/Sample: E0J040322-030 DP0091-SSB10A01 TICs.....: N Report Results: Y
WO#.....: DLJLC-1-03 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 15 KJ 01 Dry Weight..: N Upload.....:
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/07/00
Inject Time..: 11:55 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O06A040
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/04/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/09 14:24:16
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/06/00
QC Batch....: 0283421
MS Run Number: 0283187
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			0.1483 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	0.1734	86.7		

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.

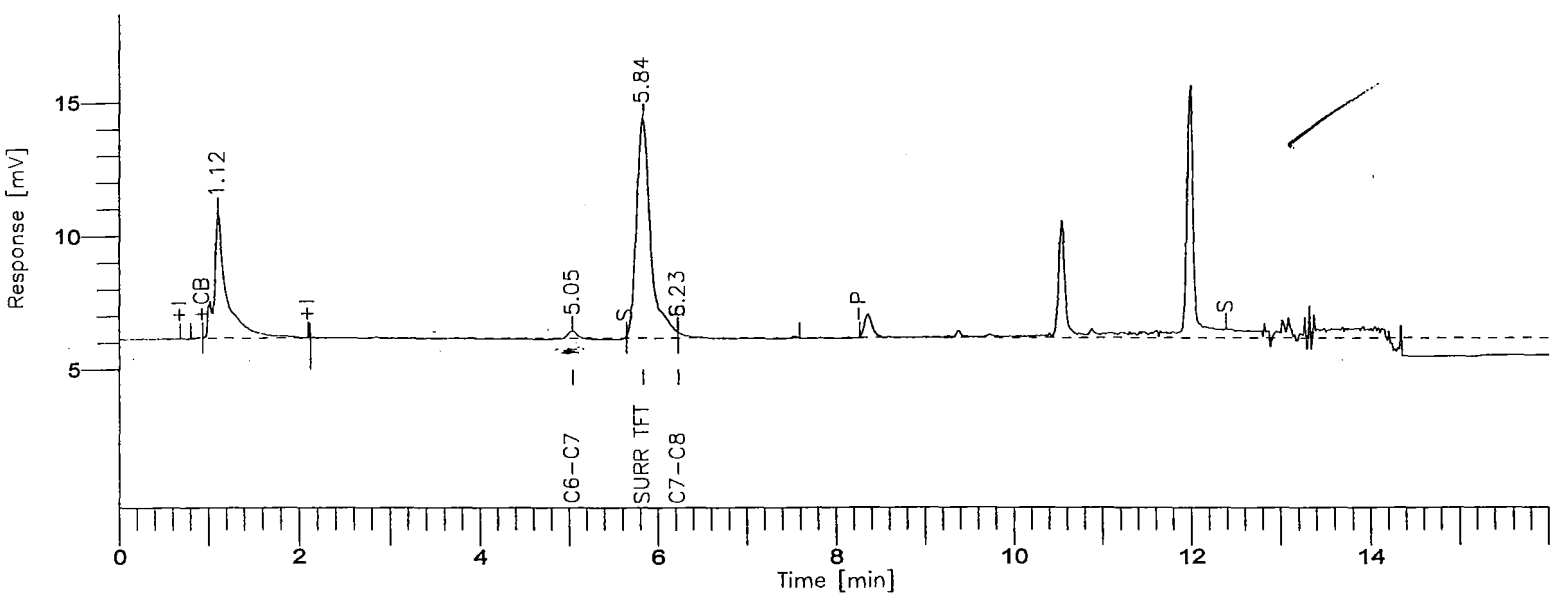
Software Version: 4.1<2F12>
Sample Name : J040322-30 Time : 10/7/00 12:11 PM
Sample Number: 322-30 Study : low soil
Operator :

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

Interface Serial # : 0269512307 Data Acquisition Time: 10/7/00 11:55 AM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O06A040.RAW
Result File : C:\TC4\GC15\O06A040.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O06A040.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8
Calib Method : C:\TC4\GC15\METHODS\925C6-C8
Sequence File : C:\TC4\GC15\O06.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

000857

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.05	GASOLINE RANGE	1248	0.1483	-----	1.00		0.0297
5.84	SURR TFT	92946	0.1734	86.7	0.00		0.0347
		94194					0.0643

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.05	C6-C7	1091	0.1115	-----	0.00		0.0223
6.23	C7-C8	157	0.2069	-----	0.00		0.0414
		1248					0.0637

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O06A040.TX0

Lot/Sample: E0J040322-030S DP0091-SSB10A01 TICs.....: N Report Results: Y
WO#.....: DLJLC-1-05 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: 10/07/00
Inject Time..: 18:33 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O06A054
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/04/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/09 12:54:21
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/06/00
QC Batch.....: 0283421
MS Run Number: 0283187
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	5.9624	119.2	1.02		
	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	0.2501	125.05		

Software Version: 4.1<2F12>
Sample Name : 322-30MS
Sample Number: 322-30MS
Operator :

Time : 10/7/00 06:49 PM
Study : low soil

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

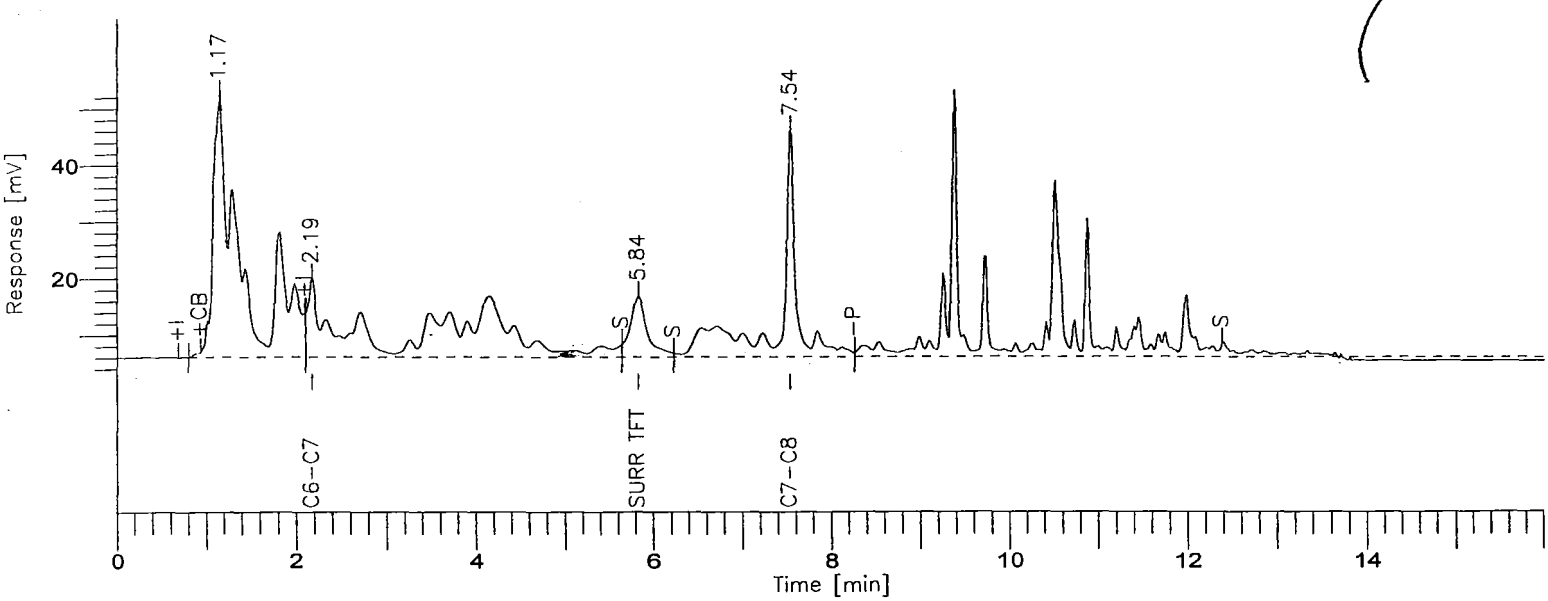
Channel : A A/D mV Range : 1000

Interface Serial # : 0269512307 Data Acquisition Time: 10/7/00 06:33 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\006A054.RAW
Result File : C:\TC4\GC15\006A054.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\006A054.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8
Calib Method : C:\TC4\GC15\METHODS\925C6-C8
Sequence File : C:\TC4\GC15\006.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

000860

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	QC Spike (ppm)	QC % REC	FN	Raw Amount (ppm)
5.84	SURR TFT	144931	0.2501	0.2000	125.1		0.0500
7.54	GASOLINE RANGE	1353881	5.9624	5.0000	119.2		1.1925
		1498812					1.2425

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	QC Spike (ppm)	QC % REC	FN	Raw Amount (ppm)
2.19	C6-C7	829618	5.9037	0.0000	-----		1.1807
7.54	C7-C8	524263	6.0560	0.0000	-----		1.2112
		1353881					2.3919

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O06A054.TX0

Lot/Sample: E0J040322-030D DP0091-SSB10A01 TICs.....: N Report Results: Y
WO#.....: DLJLC-1-06 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: 10/07/00
Inject Time..: 19:01 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O06A055
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/04/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/09 12:54:22
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date.....: 10/06/00
QC Batch.....: 0283421
MS Run Number: 0283187
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	6.0236	120.4	1.02		
	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	0.2481	124.05		

Software Version: 4.1<2F12>
Sample Name : 322-30MSD
Sample Number: 322-30MSD
Operator :

Time : 10/7/00 07:17 PM
Study : low soil

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

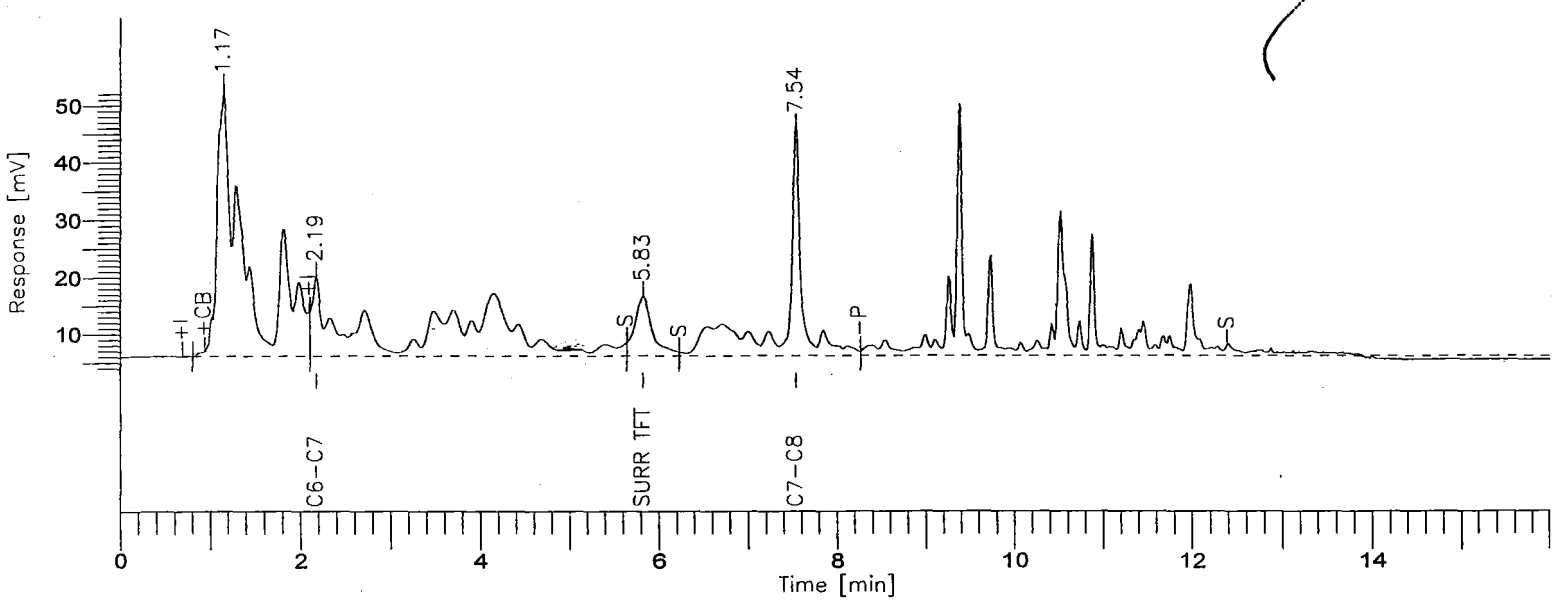
Channel : A A/D mV Range : 1000

Interface Serial # : 0269512307 Data Acquisition Time: 10/7/00 07:01 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\006A055.RAW
Result File : C:\TC4\GC15\006A055.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\006A055.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8
Calib Method : C:\TC4\GC15\METHODS\925C6-C8
Sequence File : C:\TC4\GC15\006.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)
5.83	SURR TFT	143552	0.2481	0.2000	124.0		0.0496
7.54	GASOLINE RANGE	1368129	6.0236	5.0000	120.5		1.2047
		1511681					1.2543

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	QC Spike (ppm)	QC % REC	FN	Raw Amount (ppm)
2.19	C6-C7	839080	5.9699	0.0000	-----		1.1940
7.54	C7-C8	529049	6.1094	0.0000	-----		1.2219
		1368129					2.4159

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O06A055.TX0

INITIAL CALIBRATION DATA

Date Analyzed: 9-25-00

Instrument ID: G15 C6-C8

BOE-C6-0169228

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

1 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

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

Annotated 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

ponent 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

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

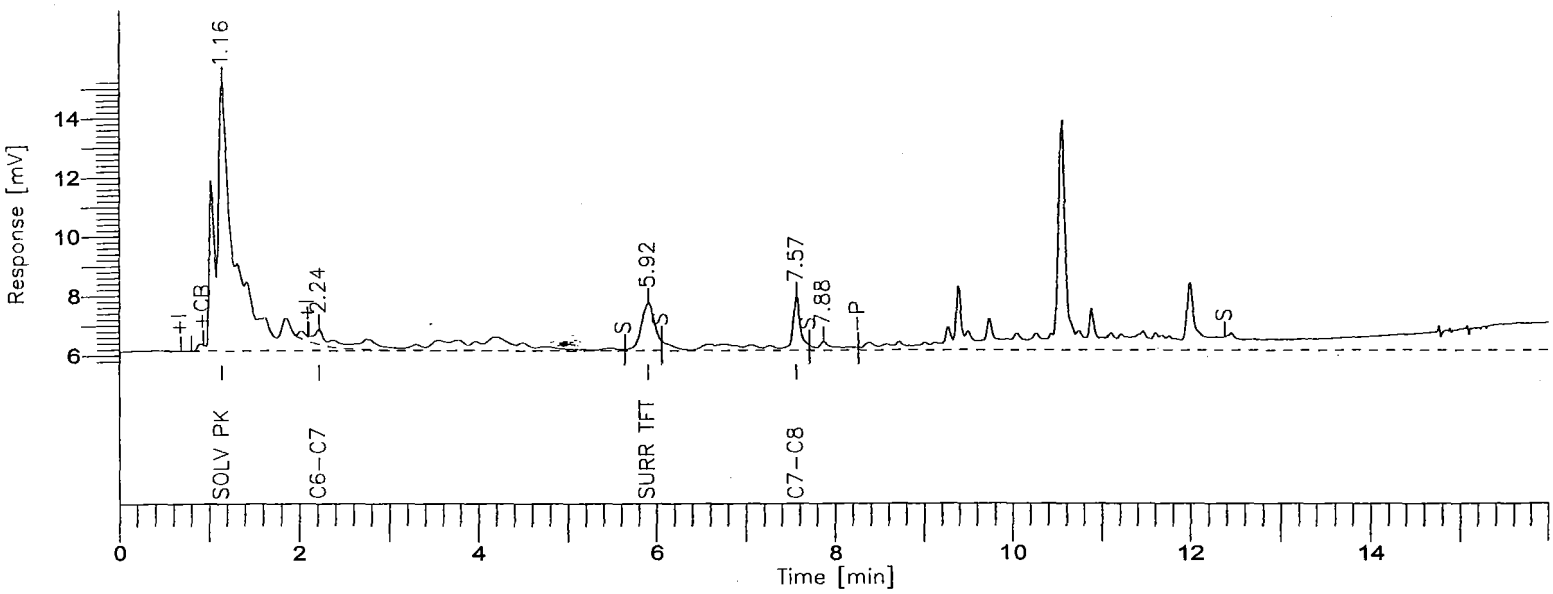
Software Version: 4.1<2F12>
Sample Name : 50/10PPB GAS/TFT Time : 9/25/00 08:48 PM
Sample Number: 50PPB GAS Study :
Operator :

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

Interface Serial # : 0269512307 Data Acquisition Time: 9/25/00 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 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]	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

- LOS ANGELES

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

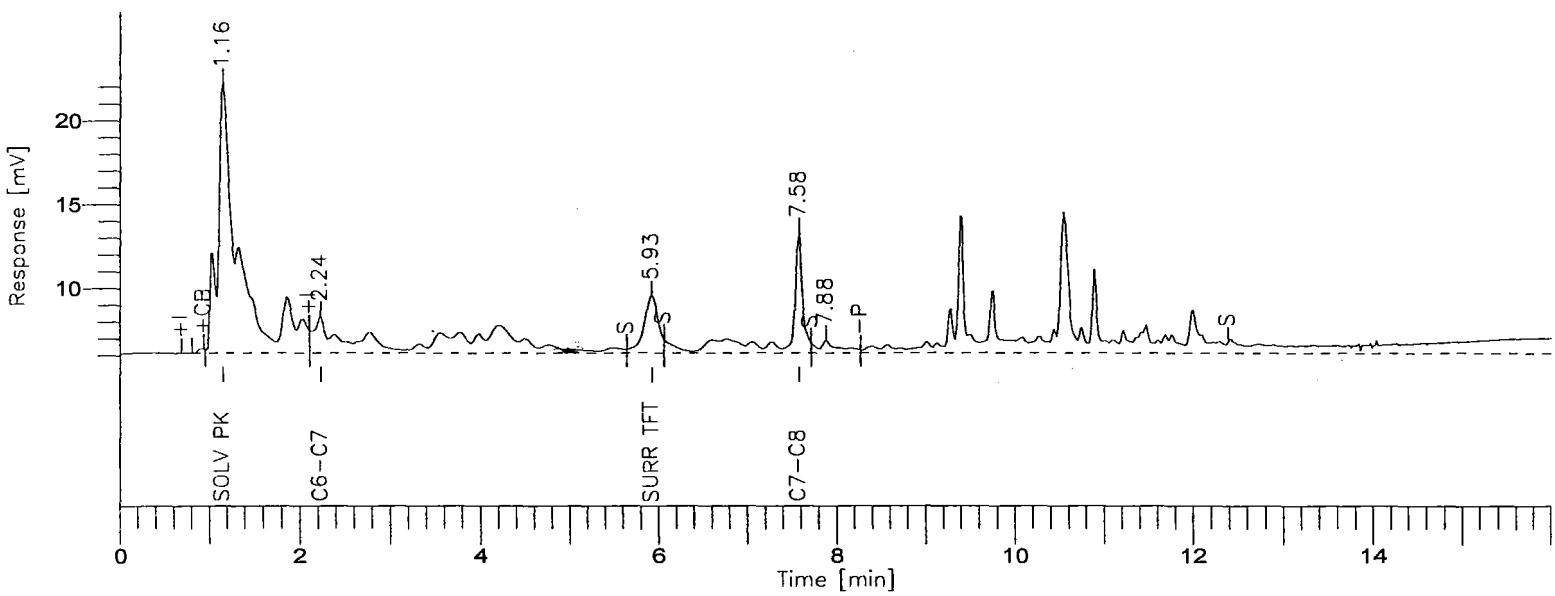
Software Version: 4.1<2F12>
Sample Name : 200/20PPB GAS/TFT Time : 9/25/00 08:48 PM
Sample Number: 200PPB GAS Study :
Operator :

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

Interface Serial # : 0269512307 Data Acquisition Time: 9/25/00 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 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]	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

, - LOS ANGELES

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

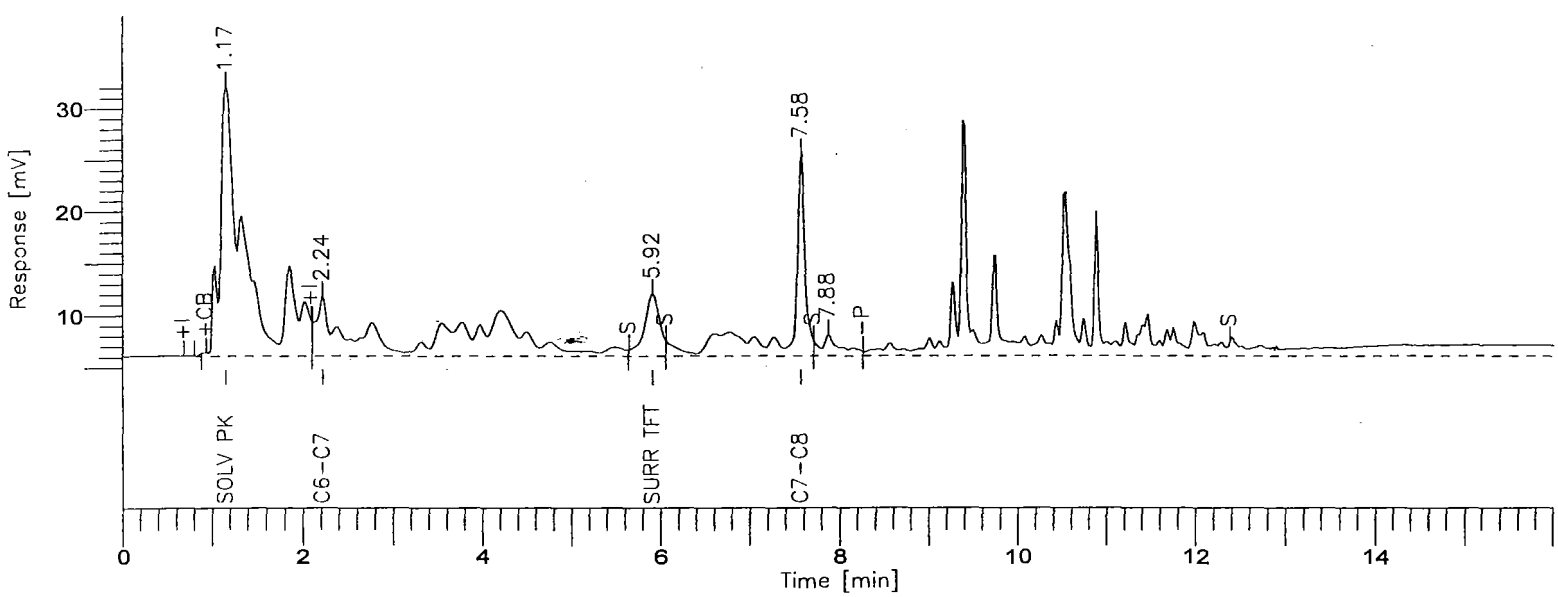
Software Version: 4.1<2F12>
Sample Name : 500/30PPB GAS/TFT Time : 9/25/00 08:48 PM
Sample Number: 500PPB GAS Study :
Operator :

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

Interface Serial # : 0269512307 Data Acquisition Time: 9/25/00 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 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]	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

SIL - LOS ANGELES

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

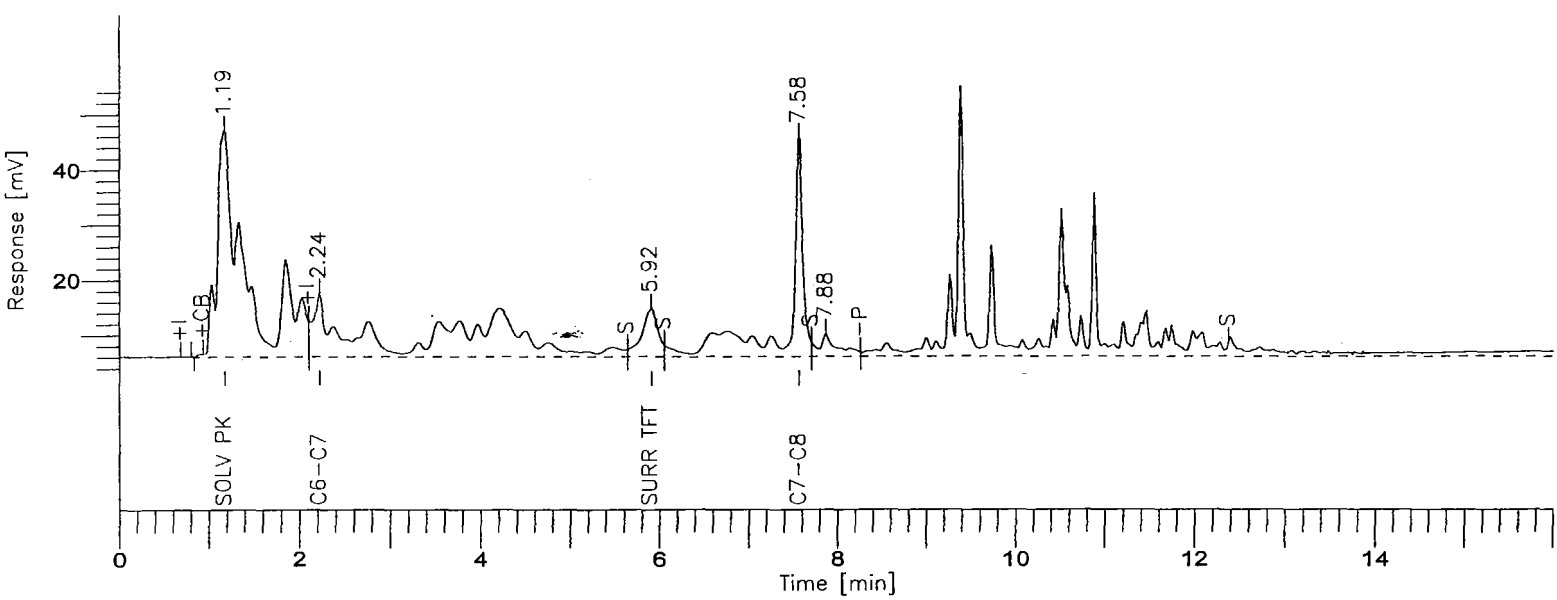
Software Version: 4.1<2F12>
Sample Name : 1000/40PPB GAS/TFT Time : 9/25/00 08:48 PM
Sample Number: 1000PPB Study :
C rator :

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

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 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]	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

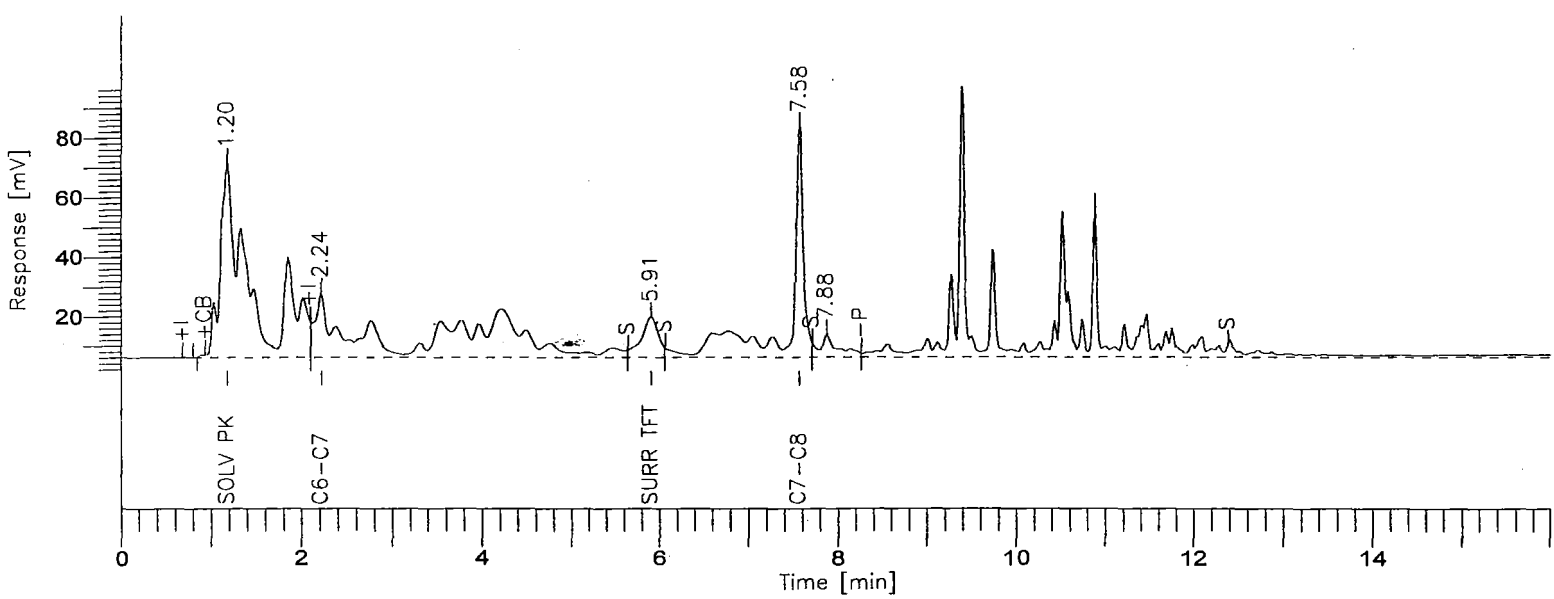
Software Version: 4.1<2F12>
Sample Name : 2000/60PPB GAS/TFT Time : 9/25/00 08:48 PM
Sample Number: 2000PPB Study :
Operator :

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

Interface Serial # : 0269512307 Data Acquisition Time: 9/25/00 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 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]	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

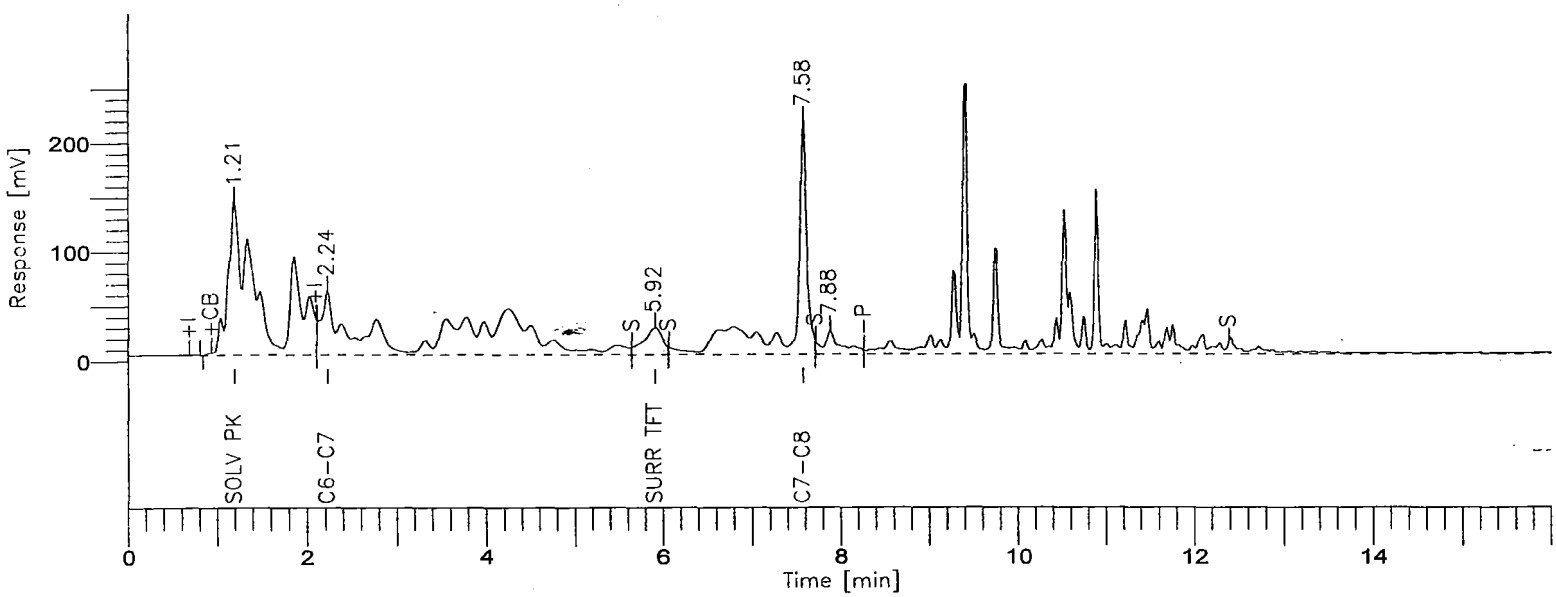
Software Version: 4.1<2F12>
Sample Name : 5000/80PPB GAS/TFT Time : 9/25/00 08:48 PM
Sample Number: 5000PPB Study :
C rator :

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

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 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]	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

[illegible] - 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
9	Sample	2ND SOURCE VERI	2ND SOURCE		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
[illegible]	Sample	BLK-S	BLK	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
[illegible]	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

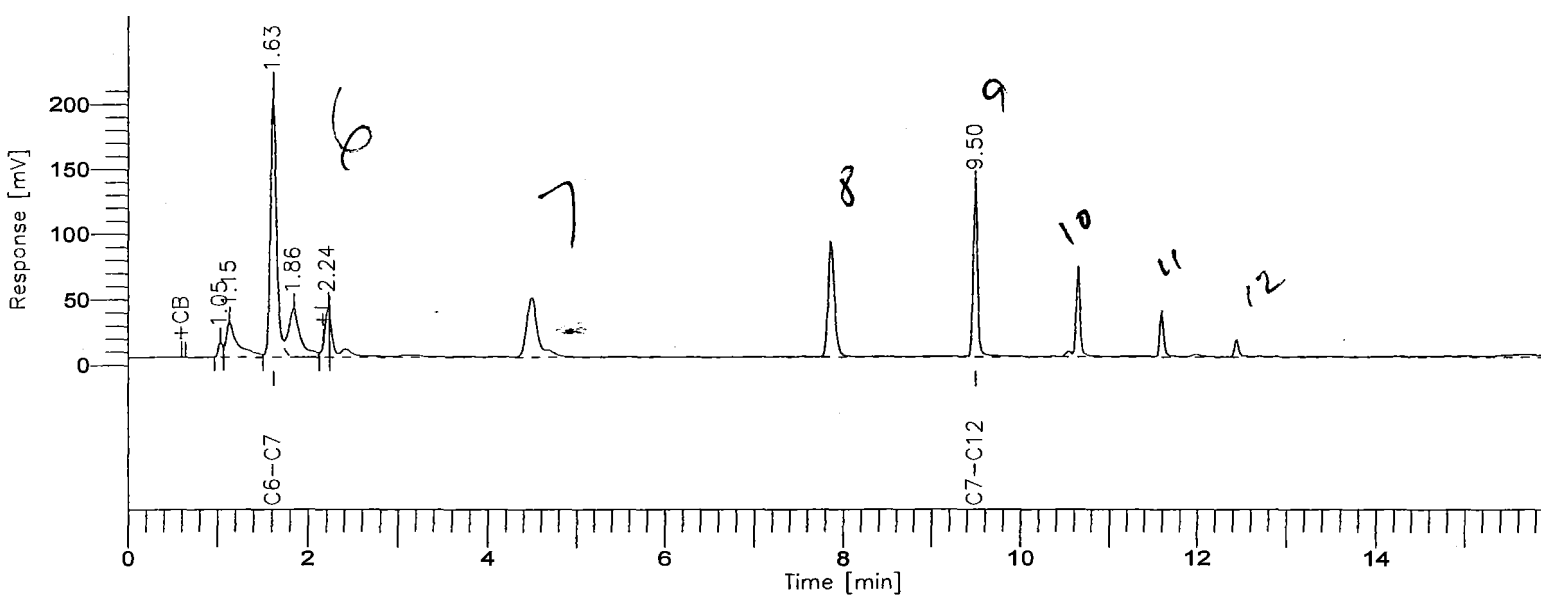
Software Version: 4.1<2F12>
Sample Name : 9/25/00 Time : 9/25/00 05:11 PM
Sample Number: BLK Study : 9/25/00
C rator :

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

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



8015B(TVPH).

GC-15/FID COLUMN: DB624

000883

BOE-C6-0169246

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

STL - LOS ANGELES

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

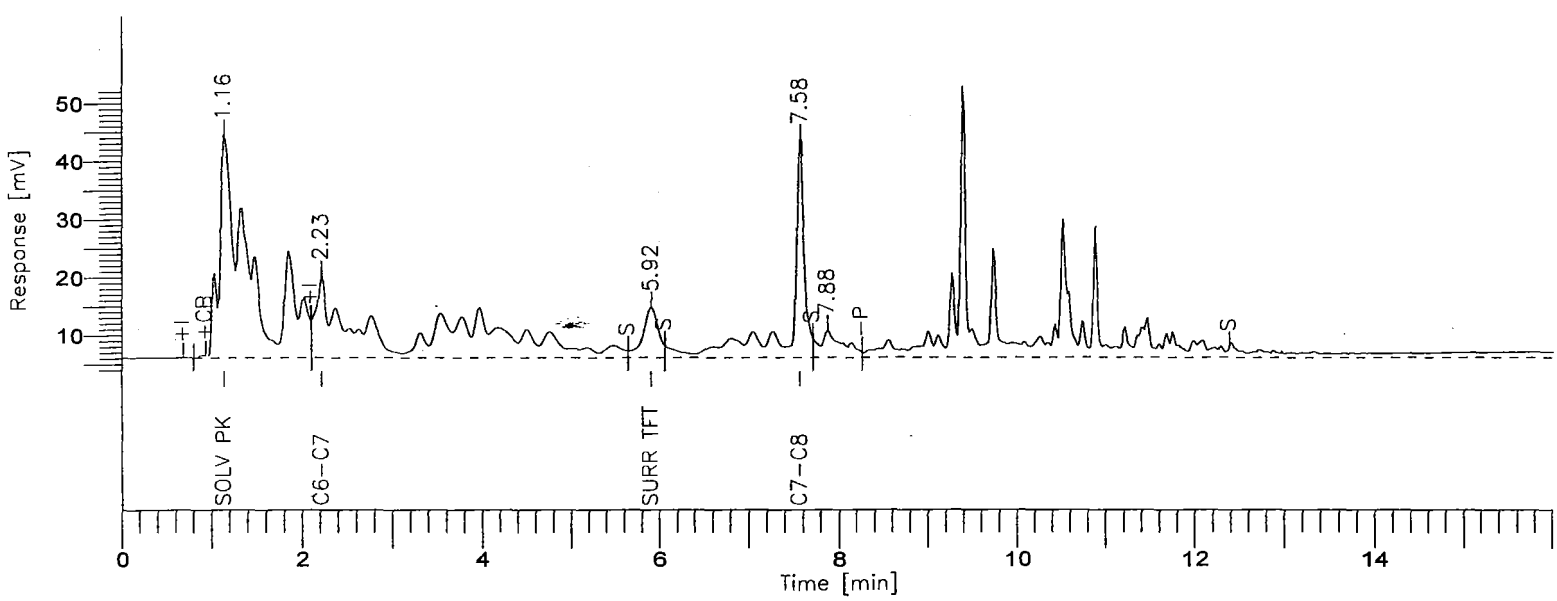
Software Version: 4.1<2F12>
Sample Name : 2ND SOURCE VERIFICATION Time : 9/25/00 08:52 PM
Sample Number: 2ND SOURCE Study :
(rator :

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-C6-0169250

TEPH

SAMPLE AND QC DATA

C8 → C40+

Date(s) Analyzed: 10-13, 16-00

Instrument ID: GC1 GC2 GC3

Lab #: EOJ040325

Batch #: 0279537

Samples: B, C, 13, 14, 15, 29, 30, 31, 33, 34, 34S, 34D, 35, 37, 38

EXTRACTION NOTES

BOE-C6-0169252

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

10/10

Run Date: 10/05/00
Time: 18:47:49

****
* QC BATCH: 0279537 *
****

PREP DATE: 10/05/00
COMP DATE: 10/05/00

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJI	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
10/18/00	10/10/00	E0J040322-029 **DLJL9-1-02**	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/18/00	10/10/00	E0J040325-013 **DLJMV-1-01**	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/18/00	10/10/00	E0J040325-014 **DLJMW-1-01**	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/18/00	10/10/00	E0J040325-015 **DLJMX-1-01**	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/18/00	10/10/00	E0J040325-029 **DLJNP-1-02**	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/18/00	10/10/00	E0J040325-030 **DLJNR-1-02**	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/18/00	10/10/00	E0J040325-031 **DLJNV-1-02**	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/18/00	10/10/00	E0J040325-033 **DLJP2-1-02**	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/18/00	10/10/00	E0J040325-034 **DLJP4-1-0PS**	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1564-2DCS/5000PPM/1M TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/18/00	10/10/00	E0J040325-034 **DLJP4-1-0QD**	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1564-2DCS/5000PPM/1M TEPH1562-1SCS/250PPM/1ML
COMMENTS:															

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068000

BOE-C6-0169253

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 10/05/00
Time: 18:47:49

QC BATCH: 0279537

PREP DATE: 10/05/00
COMP DATE: 10/05/00

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
10/18/00	10/10/00	E0J040325-034 **DLJP4-1-02**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/18/00	10/10/00	E0J040325-035 **DLJP5-1-02**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/18/00	10/10/00	E0J040325-037 **DLJP8-1-02**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/18/00	10/10/00	E0J040325-038 **DLJP9-1-02**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/18/00	0/00/00	E0J050000-537 **DLM1A-1-01B**		0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/18/00	0/00/00	E0J050000-537 **DLM1A-1-02C**		0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1564-2DCS/5000PPM/1M TEPH1562-1SCS/250PPM/1ML
COMMENTS:															

SPKD BY: CA MECL2/T23272 NA2SO4/8024
METHOD: SOLID/SOLVENT EXTRACTION (AUTO SHAKER).
RELINQUISHED BY/DATE CA 10-06-00 RECEIVED BY/DATE: 10-6-00

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

NUMBER OF WORK ORDERS IN BATCH: 23

BOE-C6-0169254

0008916

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 10/05/00
Time: 18:47:49

BOE-C6-0169255

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 / 10/05/00

QC BATCH: 0279537

PREP DATE: 10/05/00
COMP DATE: 10/05/00

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 ADJI	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE·STANDARD/ SURROGATE ID
10/18/00	10/10/00	E0J040322-022 **DLJKX-1-02**	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/18/00	10/10/00	E0J040322-030 **DLJLC-1-02**	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/18/00	10/10/00	E0J040322-024 **DLJL1-1-02**	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/18/00	10/10/00	E0J040322-025 **DLJL2-1-02**	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/18/00	10/10/00	E0J040322-026 **DLJL4-1-02**	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/18/00	10/10/00	E0J040322-027 **DLJL6-1-02**	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/18/00	10/10/00	E0J040322-028 **DLJL8-1-02**	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															

000892

Turbochrom Sequence File : C:\TC4\DATA_3\011.SEQ
Created by : EM on : 10/11/00 01:42 PM
Edited by : EC on : 10/13/00 08:43 AM
Description :

Number of Times Edited : 25

Sequence File Header Information:

Number of Rows : 111
Instrument Type : 760 / 900 Series Intelligent Interface
Injection Type : SINGLE

FJK 10/18/00

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 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
2	Sample	DAILY RT MARKER	C8-C40	ICAL 9/27/	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 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
4	Sample	#TEPH00-167 RT	30 PPM	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
5	Std Check	#TEPH00-178 DIE	1000 PPM	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
6	Sample	#TEPH00-167 RT	30 PPM	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
7	Sample	371-01	DLC7L102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
8	Sample	333-13 2X		ICAL 9/27/	1.000	1.000	1.000	2.000	5.000	20.000	0.000	100.000
9	Sample	MECL2	MECL2	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
10	Std Check	#TEPH00-178 DIE	1000 PPM	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
11	Sample	#TEPH00-167 RT	30 PPM	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
12	Sample	233-MB	DLJ2F101B	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
13	Sample	233-LCS	DLJ2F102C	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
14	Sample	262-02	DLGPR102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
15	Sample	262-03	DLGPT102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
	Sample	233-01	DLGAH102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
	Sample	233-01 MS	DLGAH10RS	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
18	Sample	233-01 MSD	DLGAH10TD	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
19	Sample	233-02	DLGAN102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
20	Sample	233-04	DLGC3101	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
21	Sample	233-05	DLGC9101	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
22	Sample	233-06	DLGCF101	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
23	Sample	233-07	DLGCL101	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
24	Sample	233-08	DLGCP101	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
25	Std Check	#TEPH00-178 DIE	1000 PPM	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
26	Sample	#TEPH00-167 RT	30 PPM	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
27	Std Check	#TEPH00-178 DIE	1000 PPM	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
28	Sample	371-01	DLC7L102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
29	Sample	333-13 2X		ICAL 9/27/	1.000	1.000	1.000	2.000	5.000	20.000	0.000	100.000
30	Std Check	#TEPH00-178 DIE	1000 PPM	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
31	Sample	#TEPH00-167 RT	30 PPM	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
32	Sample	#TEPH00-167 RT	30 PPM	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
33	Sample	MECL2	MECL2	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
34	Sample	MECL2	MECL2	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
35	Sample	DAILY RT MARKER	C8-C40	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
36	Sample	#TEPH00-167 RT	30 PPM	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
37	Std Check	#TEPH00-178 DIE	1000 PPM	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
38	Std Check	#TEPH00-178 DIE	1000 PPM	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
39	Sample	333-13 20X		ICAL 9/27/	1.000	1.000	1.000	20.000	5.000	20.000	0.000	100.000
40	Sample	233-09	DLGCR101	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
41	Sample	333-13 10X		ICAL 9/27/	1.000	1.000	1.000	10.000	5.000	20.000	0.000	100.000
42	Sample	233-10	DLGD2101	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
43	Sample	233-11	DLGD3101	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
44	Sample	233-12	DLGD4101	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
45	Sample	233-13	DLGD9101	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
46	Sample	233-14	DLGDE101	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
47	Sample	233-15	DLGDG101	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
48	Sample	233-16	DLGE5101	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
49	Sample	233-17	DLGE6101	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
50	Std Check	#TEPH00-178 DIE	1000 PPM	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
	Sample	#TEPH00-167 RT	30 PPM	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
	Sample	233-18	DLGE7101	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
53	Sample	233-19	DLGE8101	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
54	Sample	322-MB	DLM1A101B	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
55	Sample	322-LCS	DLM1A102C	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
56	Sample	322-22	DLJKX102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
57	Sample	322-24	DLJL1102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
58	Sample	322-25	DLJL2102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
59	Sample	322-26	DLJL4102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
60	Sample	322-27	DLJL6102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000

6603 Oil. Seq.

61	Sample	322-28	DLJL8102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
62	Std Check OK	#TEPH00-178 DIE	1000 PPM	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
63	Sample	#TEPH00-167 RT	30 PPM	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
64	Sample	233-09 20X	DLGCR101	ICAL 9/27/	1.000	1.000	1.000	20.000	5.000	20.000	0.000	100.000
65	Sample	233-13 5X	DLGD9101	ICAL 9/27/	1.000	1.000	1.000	5.000	5.000	20.000	0.000	100.000
66	Sample	233-14 20X	DLGDE101	ICAL 9/27/	1.000	1.000	1.000	20.000	5.000	20.000	0.000	100.000
[illegible]	Sample	MECL2	MECL2	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
	Std Check	#TEPH00-178 DIE	1000 PPM	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
[illegible]	Sample OK	#TEPH00-167 RT	30 PPM	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
70	Sample	322-29	DLJL9102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
71	Sample	322-30	DLJLC102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
72	Sample	325-34	DLJP4102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
73	Sample	325-34 MS	DLJP410PS	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
74	Sample	325-34 MSD	DLJP410QD	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
75	Sample	322-MB	DLM12101B	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
76	Sample	322-LCS	DLM12102C	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
77	Sample	322-02	DLJK1102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
78	Sample	322-02 MS	DLJK111XS	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
79	Sample	322-02 MSD	DLJK1120D	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
80	Std Check OK	#TEPH00-178 DIE	1000 PPM	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
81	Sample	#TEPH00-167 RT	30 PPM	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
82	Sample	322-03	DLJK6102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
83	Sample	322-04	DLJK8102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
84	Sample	322-05	DLJKA102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
85	Sample	322-06	DLJKC102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
86	Sample	322-07	DLJKD102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
87	Sample	322-08	DLJKE102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
88	Sample	322-09	DLJKF102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
89	Sample	322-10	DLJKG102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
90	Sample	322-11	DLJKH102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
91	Sample	322-12	DLJKJ102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
92	Std Check	#TEPH00-178 DIE	1000 PPM	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
93	Sample	#TEPH00-167 RT	30 PPM	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
94	Sample	322-13	DLJKK102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
95	Sample	322-14	DLKKL102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
96	Sample	322-15	DLJKM102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
97	Sample	322-16	DLJKN102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
~~98~~	Sample	322-17 ~ new sy	DLJKP102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
99	Sample	322-18	DLJKR102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
100	Sample	322-19	DLJKT102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
101	Sample	322-20	DLJKV102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
[illegible]	Sample	322-21	DLJKW102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
	Std Check	#TEPH00-178 DIE	1000 PPM	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
[illegible]	Sample	#TEPH00-167 RT	30 PPM	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
105	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
106	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
107	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
108	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
109	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
110	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
111	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000

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

Time : 10/12/00 02:23 PM
Study : ICAL 9/27/00

Instrument : GC/FID-03
AutoSampler :
Rack/Vial : 0/0

Channel : A A/D mV Range : 1000

Interface Serial # : 8293570026 Data Acquisition Time: 10/12/00 01:53 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

Diesel

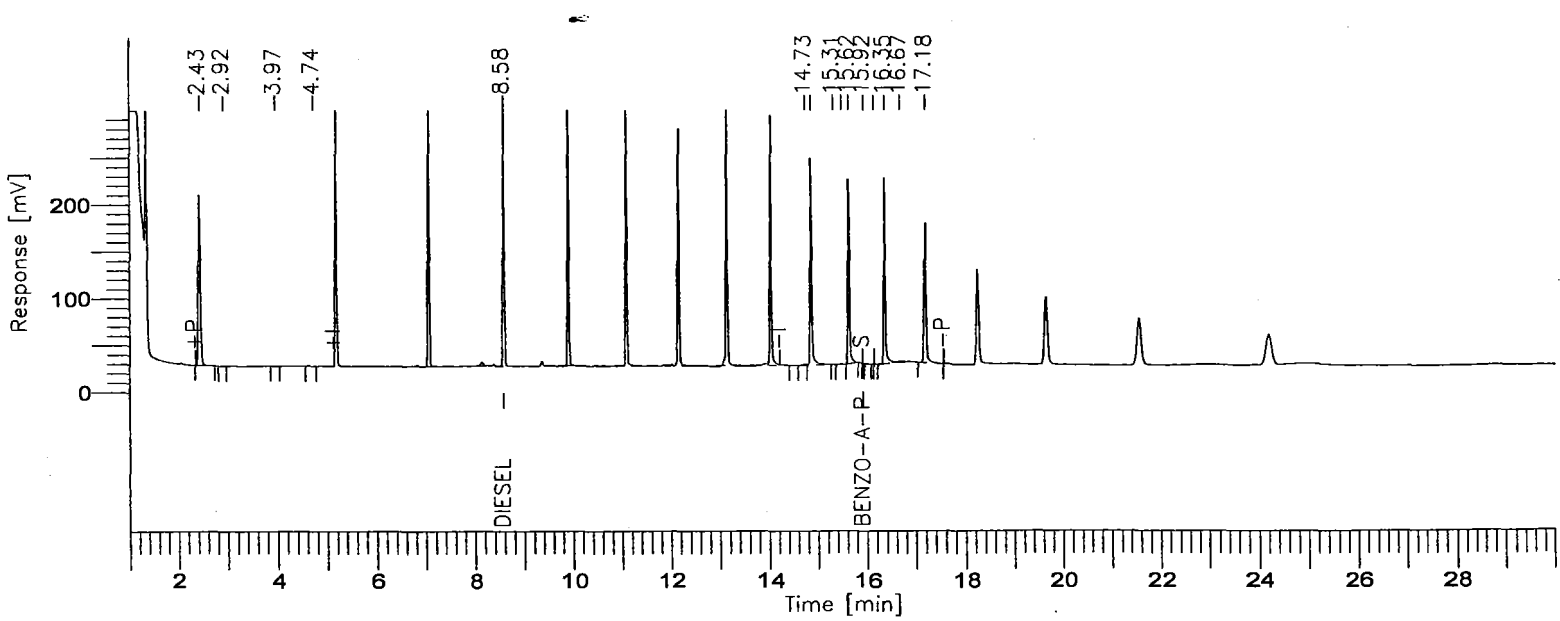
Raw Data File : C:\TC4\DATA_3\O11_035.RAW
Result File : C:\TC4\DATA_3\O11_035.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O11_035.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_3\O11.SEQ

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: 16



000895

BOE-C6-0169258

8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/l	FN
8.583	DIESEL	4555861	466.42729	-------	1.0	
15.924	BENZO-A-PYRENE	224	0.02511	10.04	1.0	
		4556085	466.45240			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O11_035.TXO

Software Version: 4.1<2F12>
Sample Name : #TEPH00-178 DIESEL STD Time : 10/16/00 04:30 PM
Sample Number: 1000 PPM Study : ICAL 9/27/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 10/13/00 12:26 AM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

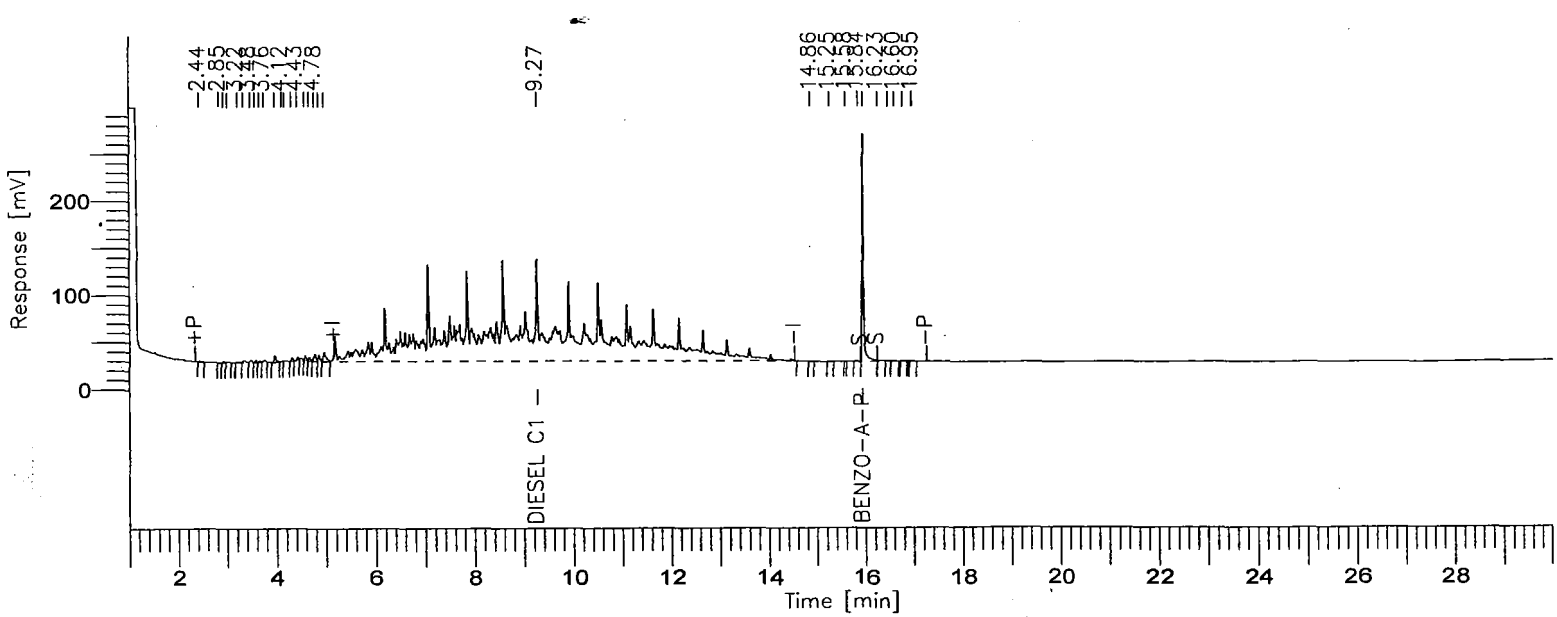
Raw Data File : C:\TC4\DATA_3\O11_050.RAW
Result File : C:\TC4\DATA_3\O11_050.RST
Inst Method : C:\TC4\DATA_3\METHODS\C8-C40A from C:\TC4\DATA_3\O11_050.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C25 from C:\TC4\DATA_3\O11_050.RST
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C25 from C:\TC4\DATA_3\O11_050.RST
Sequence File : C:\TC4\DATA_3\O11.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: 31



8015B(TEPH)

GC03/FID:RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
2.439		3171	0.0032	------	----------
2.846		788	0.0008	------	----------
2.931		5447	0.0054	------	----------
3.018		4412	0.0044	------	----------
3.217		5057	0.0051	------	----------
3.345		9377	0.0094	------	----------
3.482		7414	0.0074	------	----------
3.580		6079	0.0061	------	----------
3.663		4589	0.0046	------	----------
3.755		7532	0.0075	------	----------
3.972		22043	0.0220	------	----------
4.117		3330	0.0033	------	----------
4.179		7777	0.0078	------	----------
4.317		8963	0.0090	------	----------
4.429		6870	0.0069	------	----------
4.584		10744	0.0107	------	----------
4.671		11133	0.0111	------	----------
4.783		26952	0.0270	------	----------
4.866		15207	0.0152	------	----------
4.965		39024	0.0390	------	----------
9.267	DIESEL C10C25	10804805	1067.8703	1000.0	6.79
14.863		1870	0.0019	------	----------
15.250		601	0.0006	------	----------
15.584		614	0.0006	------	----------
15.843		3161	0.0032	------	----------
15.949	BENZO-A-PYRENE	527302	59.2421	50.0	18.48
16.233		8660	0.0087	------	----------
16.456		5192	0.0052	------	----------
16.600		3341	0.0033	------	----------
16.763		1727	0.0017	------	----------
16.952		1871	0.0019	------	----------
		11565052	1127.3453		

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

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Report stored in ASCII file: C:\TC4\DATA_3\O11_050.TX0

Software Version: 4.1<2F12>
Sample Name : #TEPH00-167 RT MARKER Time : 10/16/00 04:30 PM
Sample Number: 30 PPM Study : ICAL 9/30/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 10/13/00 01:05 AM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

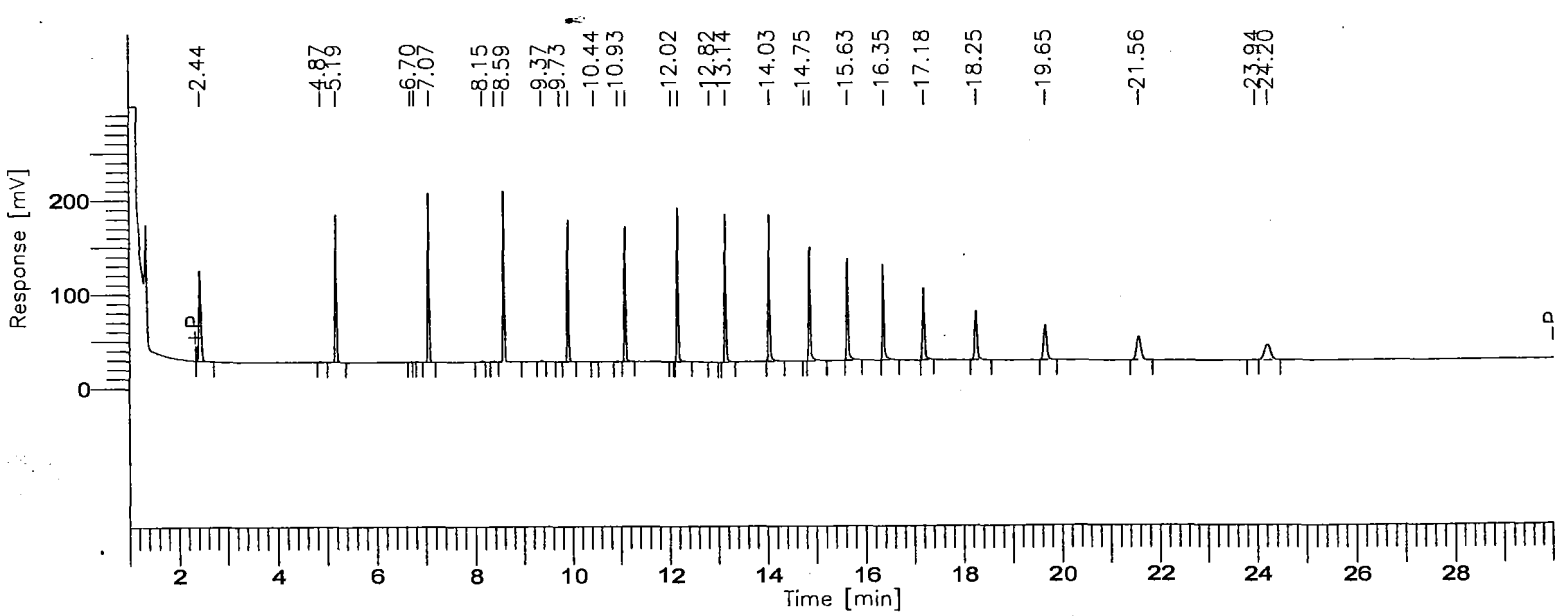
Raw Data File : C:\TC4\DATA_3\O11_051.RAW
Result File : C:\TC4\DATA_3\O11_051.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C25 from C:\TC4\DATA_3\O11_051.RST
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A from C:\TC4\DATA_3\O11_051.RST
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A from C:\TC4\DATA_3\O11_051.RST
Sequence File : C:\TC4\DATA_3\O11.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: 30



8015B(TEPH)

GC03/FID:RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
3.749	C8-C9	300069	27.4611	30.0	-8.46
6.074	C10-C11	319283	27.2446	30.0	-9.18
7.769	C12-C13	328796	26.4339	30.0	-11.89
9.180	C14-C15	333569	27.2955	30.0	-9.01
10.441	C16-C17	333121	27.3620	30.0	-8.79
11.579	C18-C19	331875	27.2807	30.0	-9.06
13.051	C20-C23	650398	27.3958	30.0	-8.68
14.784	C24-C27	608052	28.0122	30.0	-6.63
16.356	C28-C31	505971	27.9251	30.0	-6.92
18.348	C32-C35	392132	29.4345	30.0	-1.88
21.815	C36-C39	333539	32.6597	30.0	8.87
27.034	C40+	142694	33.6228	30.0	12.08
		4579500	342.1280		

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
2.437		298328	0.2983	------	----------
4.866		1741	0.0017	------	----------
		300069	0.3001		

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
5.185		318541	0.3185	------	----------
6.697		440	0.0004	------	----------
6.767		302	0.0003	------	----------
		319283	0.3193		

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
7.066		322899	0.3229	------	----------
8.147		3865	0.0039	------	----------
8.383		2032	0.0020	------	----------
		328796	0.3288		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
8.585		328996	0.3290	------	----------
9.365		3574	0.0036	------	----------
9.733		999	0.0010	------	----------
		333569	0.3336		

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
9.910		331050	0.3310	------	----------
10.443		875	0.0009	------	----------
10.934		1196	0.0012	------	----------
		333121	0.3331		

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
11.092		330018	0.3300	------	----------
12.022		1857	0.0019	------	----------
		331875	0.3319		

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
12.163		330819	0.3308	------	----------
12.815		952	0.0010	------	----------

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
13.136		318626	0.3186	------	----------
		650398	0.6504		

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
14.033		311111	0.3111	------	----------
14.751		416	0.0004	------	----------
14.861		296526	0.2965	------	----------
		608052	0.6081		

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
15.628		267560	0.2676	------	----------
16.352		238411	0.2384	------	----------
		505971	0.5060		

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
17.184		205204	0.2052	------	----------
18.246		186928	0.1869	------	----------
		392132	0.3921		

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
19.652		169121	0.1691	------	----------
21.560		160384	0.1604	------	----------
23.936		4034	0.0040	------	----------
		333539	0.3335		

Group Report For : C40+

'me [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
24.203		142694	0.1427	------	----------
		142694	0.1427		

Missing Component Report

Component	Expected Retention (Calibration File)
All components were found	

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O11_051.TXO

Software Version: 4.1<2F12>
Sample Name : #TEPH00-178 DIESEL STD Time : 10/17/00 12:24 PM
Sample Number: 1000 PPM Study : ICAL 9/27/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 10/13/00 08:14 AM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

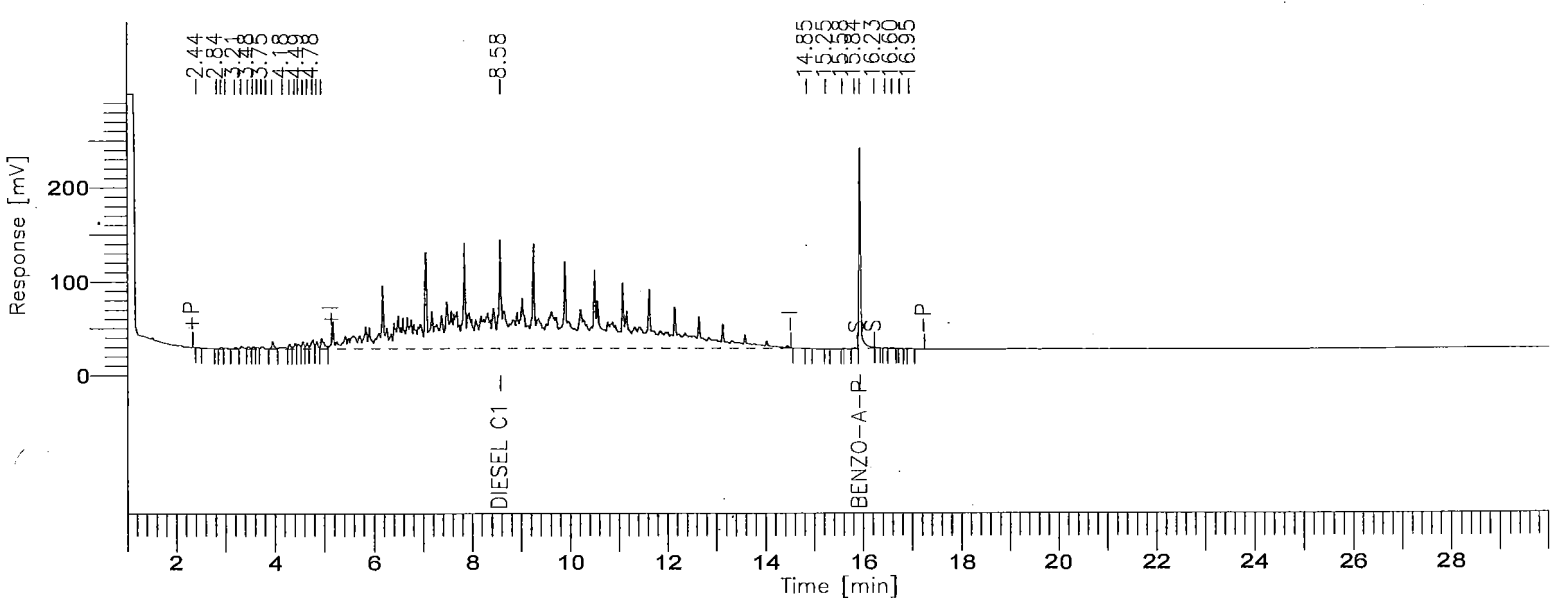
Raw Data File : C:\TC4\DATA_3\O11_062.RAW
Result File : C:\TC4\DATA_3\O11_062.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C25 from C:\TC4\DATA_3\O11_062.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C25 from C:\TC4\DATA_3\O11_062.RST
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C25 from C:\TC4\DATA_3\O11_062.RST
Sequence File : C:\TC4\DATA_3\O11.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: 32



8015B(TEPH)

GC03/FID:RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
2.436		3164	0.0032	------	----------
2.840		693	0.0007	------	----------
2.926		5686	0.0057	------	----------
3.015		4409	0.0044	------	----------
3.212		5936	0.0059	------	----------
3.339		11474	0.0115	------	----------
3.477		8877	0.0089	------	----------
3.574		7518	0.0075	------	----------
3.657		6052	0.0061	------	----------
3.751		10495	0.0105	------	----------
3.845		848	0.0008	------	----------
3.968		24450	0.0244	------	----------
4.176		17618	0.0176	------	----------
4.314		15333	0.0153	------	----------
.423		20955	0.0210	------	----------
4.487		19089	0.0191	------	----------
4.580		23074	0.0231	------	----------
4.667		20515	0.0205	------	----------
4.780		38672	0.0387	------	----------
4.862		25175	0.0252	------	----------
4.959		52643	0.0526	------	----------
8.583	DIESEL C10C25	11637508	1150.1687	1000.0	15.02
14.854		1857	0.0019	------	----------
15.246		510	0.0005	------	----------
15.582		767	0.0008	------	----------
15.836		2579	0.0026	------	----------
15.944	BENZO-A-PYRENE	537262	60.3611	50.0	20.72
16.233		1644	0.0016	------	----------
16.451		1896	0.0019	------	----------
16.595		2063	0.0021	------	----------
16.755		1657	0.0017	------	----------
16.947		1757	0.0018	------	----------
		12512174	1210.8672		

sing 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_3\O11_062.TXO

Software Version: 4.1<2F12>
Sample Name : #TEPH00-167 RT MARKER Time : 10/17/00 12:24 PM
Sample Number: 30 PPM Study : ICAL 9/30/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 10/13/00 08:52 AM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

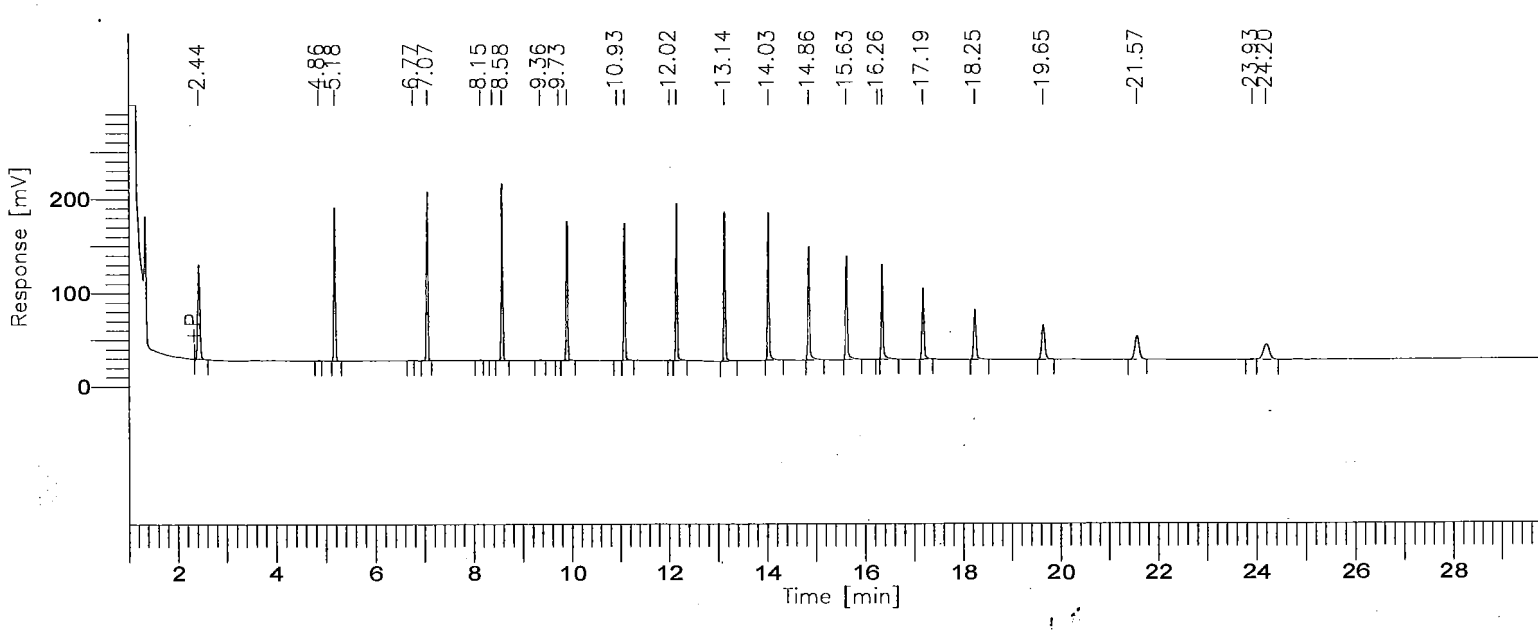
Raw Data File : C:\TC4\DATA_3\O11_063.RAW
Result File : C:\TC4\DATA_3\O11_063.RST
Inst Method : C:\TC4\DATA_3\METHODS\C8-C40A from C:\TC4\DATA_3\O11_063.RST
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A from C:\TC4\DATA_3\O11_063.RST
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A from C:\TC4\DATA_3\O11_063.RST
Sequence File : C:\TC4\DATA_3\O11.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



000908

BOE-C6-0169271

8015B(TEPH)

GC03/FID:RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
3.749	C8-C9	306690	28.0670	30.0	-6.44
6.075	C10-C11	324828	27.7178	30.0	-7.61
7.769	C12-C13	334580	26.8989	30.0	-10.34
9.181	C14-C15	339152	27.7524	30.0	-7.49
10.441	C16-C17	340326	27.9538	30.0	-6.82
11.579	C18-C19	339480	27.9058	30.0	-6.98
13.051	C20-C23	662731	27.9153	30.0	-6.95
14.784	C24-C27	616380	28.3959	30.0	-5.35
16.357	C28-C31	514090	28.3732	30.0	-5.42
18.348	C32-C35	394308	29.5978	30.0	-1.34
21.815	C36-C39	330939	32.4051	30.0	8.02
27.034	C40+	141600	33.3650	30.0	11.22
		4645104	346.3480		

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
2.436		305085	0.3051	------	----------
4.864		1605	0.0016	------	----------
		306690	0.3067		

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
5.184		324344	0.3243	------	----------
6.767		484	0.0005	------	----------
		324828	0.3248		

Group Report For : C12-C13

Time	Component	Area	ACTUAL	TRUE	%

[min]	Name	[µV·s]	VALUE (PPM)	VALUE	D
7.065		329650	0.3296	------	----------
5.147		3122	0.0031	------	----------
8.383		1808	0.0018	------	----------
		334580	0.3346		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
8.584		335112	0.3351	------	----------
9.364		2998	0.0030	------	----------
9.732		1042	0.0010	------	----------
		339152	0.3392		

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
9.908		339064	0.3391	------	----------
10.934		1263	0.0013	------	----------
		340326	0.3403		

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
11.092		337639	0.3376	------	----------
12.022		1841	0.0018	------	----------
		339480	0.3395		

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
12.164		336091	0.3361	------	----------
13.137		326640	0.3266	------	----------
		662731	0.6627		

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
14.033		317134	0.3171	------	----------
14.860		299246	0.2992	------	----------
		616380	0.6164		

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
15.628		271919	0.2719	------	----------
16.264		330	0.0003	------	----------
16.353		241840	0.2418	------	----------
		514090	0.5141		

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
17.186		206810	0.2068	------	----------
18.247		187498	0.1875	------	----------
		394308	0.3943		

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
19.653		168568	0.1686	------	----------
21.565		158534	0.1585	------	----------
23.925		3836	0.0038	------	----------
		330939	0.3309		

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
24.204		141600	0.1416	------	----------

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
		141600	0.1416		

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O11_063.TX0

Software Version: 4.1<2F12>
Sample Name : #TEPH00-178 DIESEL STD Time : 10/16/00 05:24 PM
Sample Number: 1000 PPM Study : ICAL 9/27/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 10/13/00 12:09 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

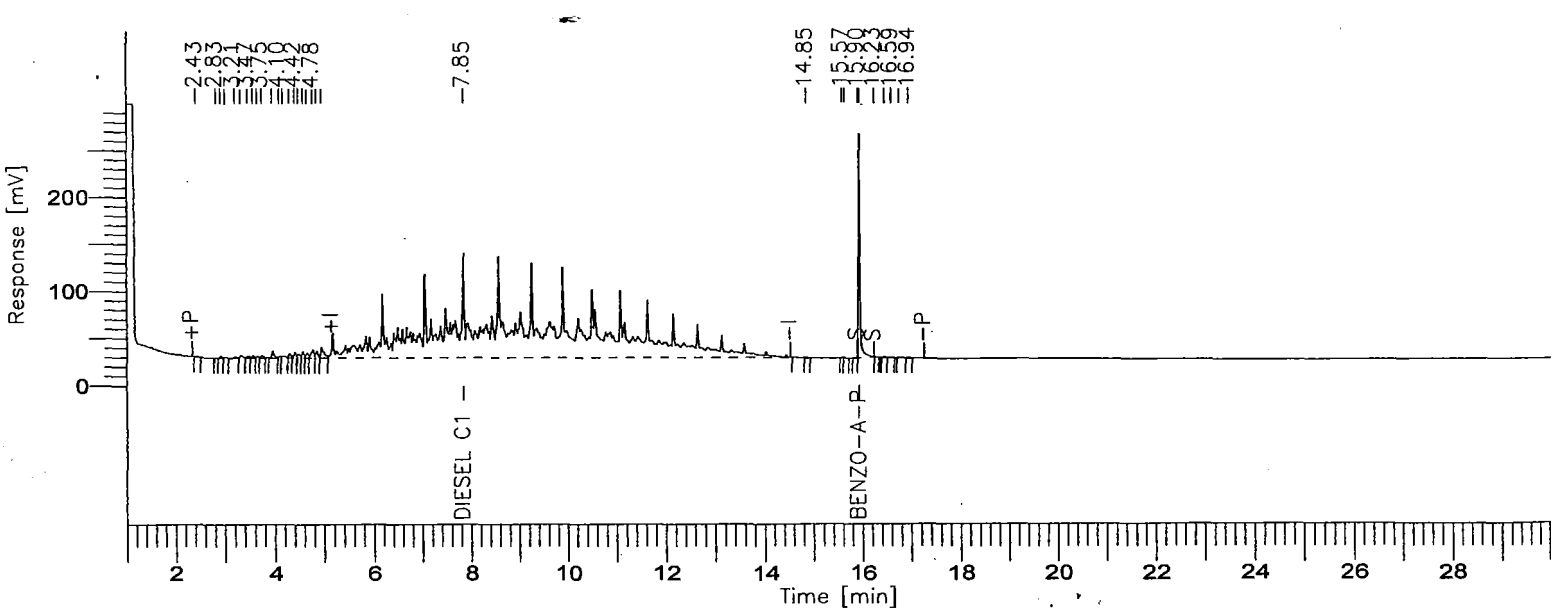
Raw Data File : C:\TC4\DATA_3\O11_068.RAW
Result File : C:\TC4\DATA_3\O11_068.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C25 from C:\TC4\DATA_3\O11_068.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C25 from C:\TC4\DATA_3\O11_068.RST
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C25 from C:\TC4\DATA_3\O11_068.RST
Sequence File : C:\TC4\DATA_3\O11.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: 32



8015B(TEPH)

GC03/FID:RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
2.429		3067	0.0031	------	----------
2.832		782	0.0008	------	----------
2.919		5921	0.0059	------	----------
3.008		4394	0.0044	------	----------
3.205		5631	0.0056	------	----------
3.334		9795	0.0098	------	----------
3.471		7765	0.0078	------	----------
3.569		6577	0.0066	------	----------
3.652		4639	0.0046	------	----------
3.747		7882	0.0079	------	----------
3.964		24088	0.0241	------	----------
4.104		5579	0.0056	------	----------
4.170		11930	0.0119	------	----------
4.309		15329	0.0153	------	----------
4.419		20708	0.0207	------	----------
4.484		18596	0.0186	------	----------
4.575		22462	0.0225	------	----------
4.664		20373	0.0204	------	----------
4.777		38089	0.0381	------	----------
4.857		24248	0.0242	------	----------
4.954		51491	0.0515	------	----------
7.849	DIESEL C10C25	11325970	1119.3785	1000.0	11.94
14.851		1836	0.0018	------	----------
15.573		1156	0.0012	------	----------
15.629		1308	0.0013	------	----------
15.900		4714	0.0047	------	----------
15.936	BENZO-A-PYRENE	523950	58.8655	50.0	17.73
16.233		1301	0.0013	------	----------
16.447		2014	0.0020	------	----------
16.586		1818	0.0018	------	----------
16.750		1614	0.0016	------	----------
16.938		1733	0.0017	------	----------
		12176758	1178.5709		

.ssing 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_3\O11_068.TX0

Software Version: 4.1<2F12>
Sample Name : #TEPH00-167 RT MARKER Time : 10/16/00 05:24 PM
Sample Number: 30 PPM Study : ICAL 9/30/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 10/13/00 12:48 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

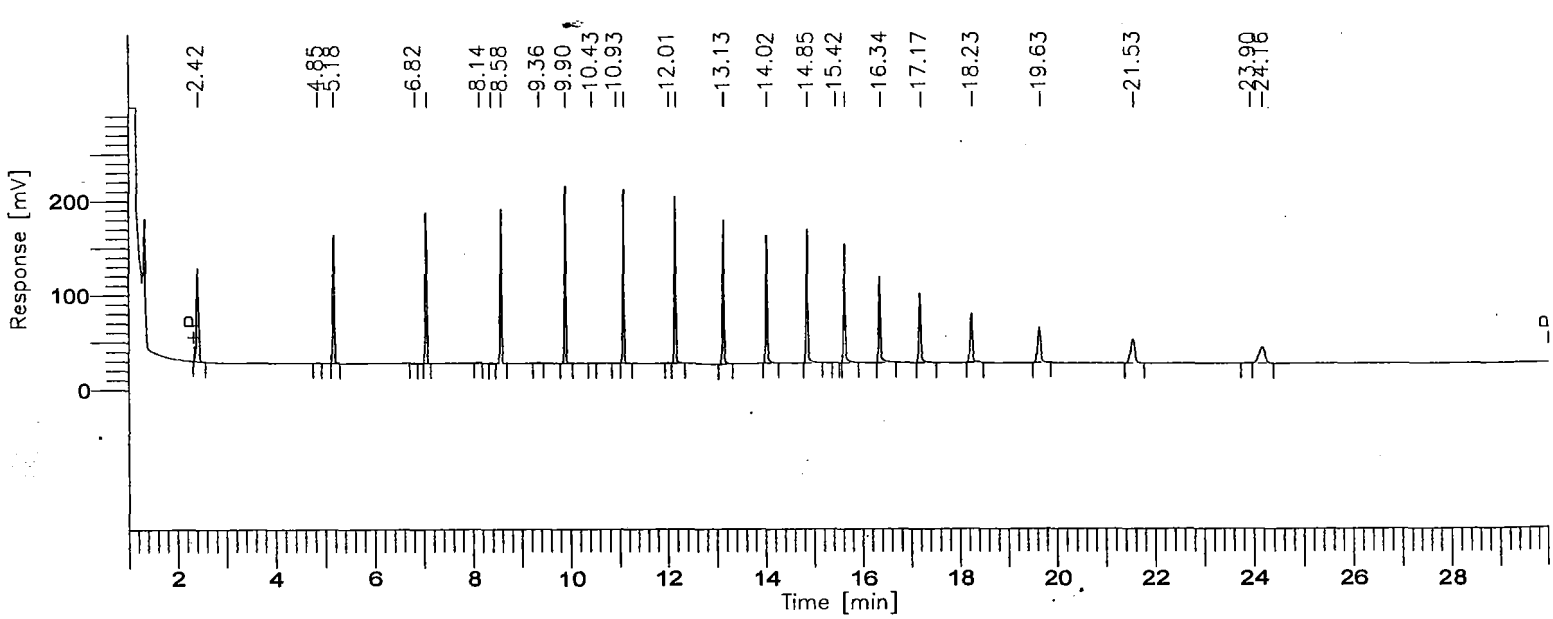
Raw Data File : C:\TC4\DATA_3\O11_069.RAW
Result File : C:\TC4\DATA_3\O11_069.RST
Inst Method : C:\TC4\DATA_3\METHODS\C8-C40A from C:\TC4\DATA_3\O11_069.RST
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A from C:\TC4\DATA_3\O11_069.RST
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A from C:\TC4\DATA_3\O11_069.RST
Sequence File : C:\TC4\DATA_3\O11.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



8015B(TEPH)

GC03/FID:RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
3.749	C8-C9	303877	27.8096	30.0	-7.30
6.075	C10-C11	326405	27.8524	30.0	-7.16
7.769	C12-C13	333906	26.8447	30.0	-10.52
9.181	C14-C15	336625	27.5456	30.0	-8.18
10.441	C16-C17	338623	27.8139	30.0	-7.29
11.579	C18-C19	337625	27.7534	30.0	-7.49
13.051	C20-C23	657673	27.7022	30.0	-7.66
14.784	C24-C27	609546	28.0811	30.0	-6.40
16.357	C28-C31	510902	28.1973	30.0	-6.01
18.348	C32-C35	398980	29.9485	30.0	-0.17
21.815	C36-C39	333616	32.6672	30.0	8.89
27.034	C40+	142701	33.6244	30.0	12.08
		4630478	345.8401		

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
2.421		302098	0.3021	------	----------
4.853		1779	0.0018	------	----------
		303877	0.3039		

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
5.176		323878	0.3239	------	----------
6.815		2527	0.0025	------	----------
		326405	0.3264		

Group Report For : C12-C13

Time	Component	Area	ACTUAL	TRUE	%

[min]	Name	[µV·s]	VALUE (PPM)	VALUE	D
7.055		328758	0.3288	------	----------
8.139		3275	0.0033	------	----------
8.372		1873	0.0019	------	----------
		333906	0.3339		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
8.578		333668	0.3337	------	----------
9.355		2956	0.0030	------	----------
		336625	0.3366		

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
9.900		336515	0.3365	------	----------
10.434		812	0.0008	------	----------
10.927		1296	0.0013	------	----------
		338623	0.3386		

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
11.083		335674	0.3357	------	----------
12.014		1951	0.0020	------	----------
		337625	0.3376		

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
12.151		334298	0.3343	------	----------
13.129		323375	0.3234	------	----------
		657673	0.6577		

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
14.022		311268	0.3113	------	----------
14.850		297702	0.2977	------	----------
15.421		576	0.0006	------	----------
		609546	0.6095		

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
15.617		269460	0.2695	------	----------
16.344		241441	0.2414	------	----------
		510902	0.5109		

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
17.171		213451	0.2135	------	----------
18.228		185528	0.1855	------	----------
		398980	0.3990		

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
19.629		169379	0.1694	------	----------
21.530		160331	0.1603	------	----------
23.896		3906	0.0039	------	----------
		333616	0.3336		

oup Report For : C40+

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
24.155		142701	0.1427	------	----------

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
		142701	0.1427		

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O11_069.TX0

Software Version: 4.1<2F12>
Sample Name : #TEPH00-178 DIESEL STD Time : 10/13/00 08:39 PM
Sample Number: 1000 PPM Study : ICAL 9/27/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 10/13/00 08:10 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

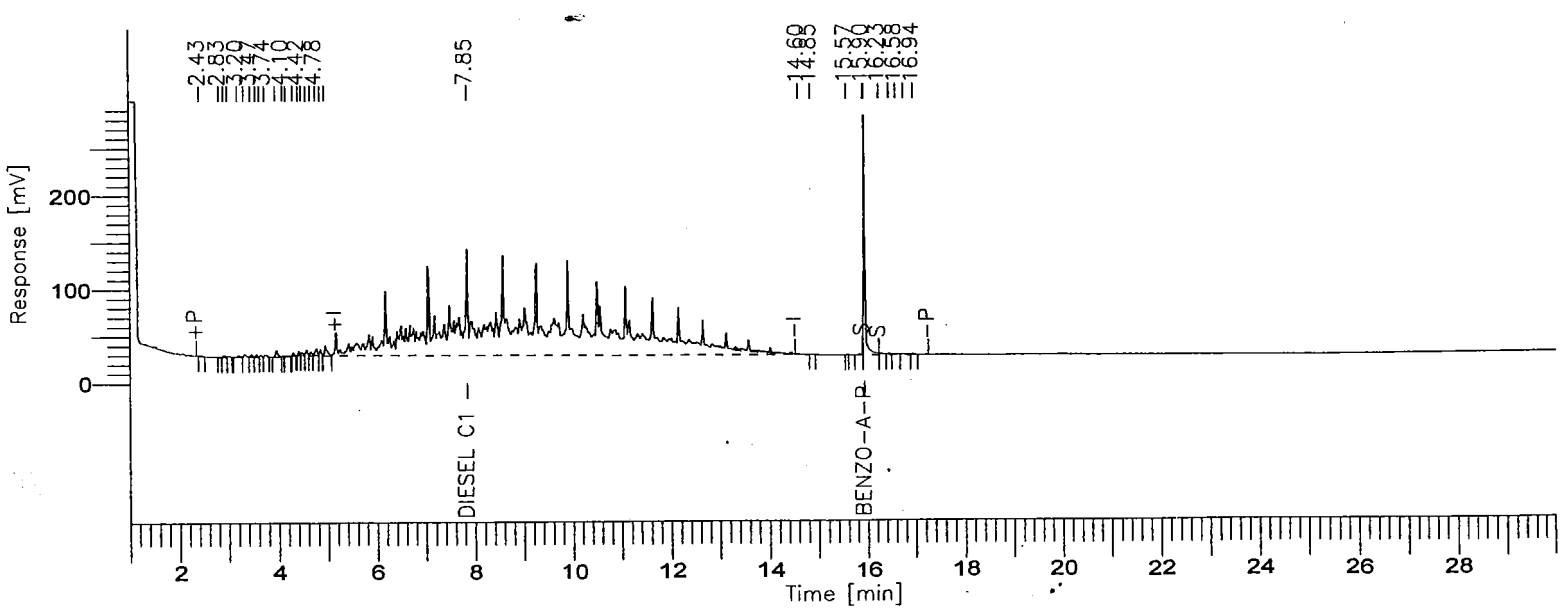
Raw Data File : C:\TC4\DATA_3\O11_080.RAW
Result File : C:\TC4\DATA_3\O11_080.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C25 from C:\TC4\DATA_3\O11_080.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C25
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C25
Sequence File : C:\TC4\DATA_3\O11.SEQ

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: 32



000921

BOE-C6-0169284

8015B(TEPH)

GC03/FID:RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
2.425		3152	0.0032	------	----------
2.832		699	0.0007	------	----------
2.917		5936	0.0059	------	----------
3.005		4179	0.0042	------	----------
3.203		5527	0.0055	------	----------
3.332		10094	0.0101	------	----------
3.469		8124	0.0081	------	----------
3.567		6892	0.0069	------	----------
3.650		4842	0.0048	------	----------
3.743		8243	0.0082	------	----------
3.962		23104	0.0231	------	----------
4.103		3156	0.0032	------	----------
4.166		7815	0.0078	------	----------
4.306		8843	0.0088	------	----------
.417		10034	0.0100	------	----------
4.483		10295	0.0103	------	----------
4.572		14556	0.0146	------	----------
4.662		12891	0.0129	------	----------
4.775		28338	0.0283	------	----------
4.854		16065	0.0161	------	----------
4.953		38791	0.0388	------	----------
7.848	DIESEL C10C25	11439560	1130.6049	1000.0	13.06
14.596		107905	0.1079	------	----------
14.850		2631	0.0026	------	----------
15.571		794	0.0008	------	----------
15.900		7057	0.0071	------	----------
15.934	BENZO-A-PYRENE	548151	61.5845	50.0	23.17
16.233		9873	0.0099	------	----------
16.445		7543	0.0075	------	----------
16.584		7359	0.0074	------	----------
16.748		5352	0.0054	------	----------
16.938		2524	0.0025	------	----------
		12370323	1192.5720		

. ssing 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_3\O11_080.TXO

Software Version: 4.1<2F12>
Sample Name : #TEPH00-167 RT MARKER Time : 10/13/00 09:18 PM
Sample Number: 30 PPM Study : ICAL 9/30/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 10/13/00 08:49 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

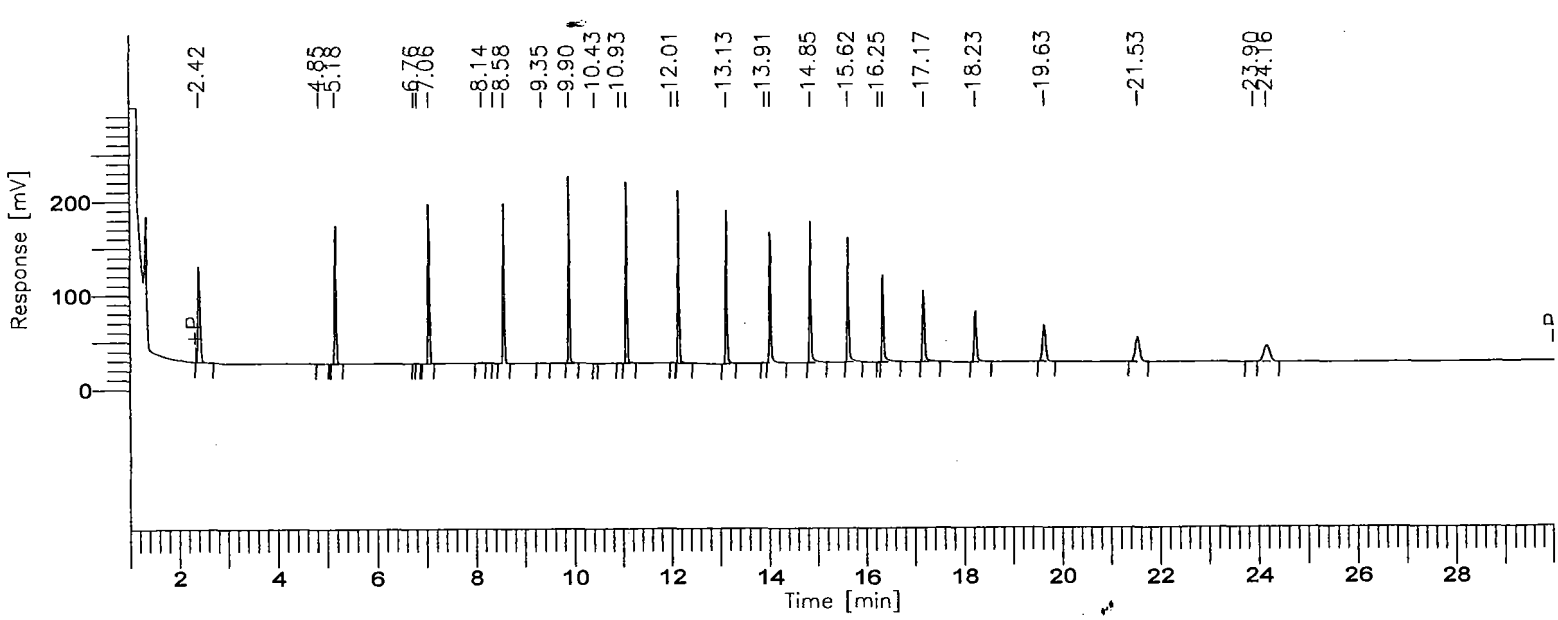
Raw Data File : C:\TC4\DATA_3\O11_081.RAW
Result File : C:\TC4\DATA_3\O11_081.RST
Inst Method : C:\TC4\DATA_3\METHODS\C8-C40A from C:\TC4\DATA_3\O11_081.RST
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A
Sequence File : C:\TC4\DATA_3\O11.SEQ

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: 29



000924

8015B(TEPH)

GC03/FID:RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
3.749	C8-C9	318704	29.1665	30.0	-2.78
6.074	C10-C11	343730	29.3307	30.0	-2.23
7.769	C12-C13	351675	28.2732	30.0	-5.76
9.180	C14-C15	354466	29.0055	30.0	-3.31
10.441	C16-C17	356902	29.3153	30.0	-2.28
11.579	C18-C19	355428	29.2168	30.0	-2.61
13.051	C20-C23	694804	29.2663	30.0	-2.45
14.784	C24-C27	643851	29.6614	30.0	-1.13
16.356	C28-C31	536122	29.5892	30.0	-1.37
18.348	C32-C35	418246	31.3947	30.0	4.65
21.815	C36-C39	344648	33.7474	30.0	12.49
27.034	C40+	148592	35.0125	30.0	16.71
		4867168	362.9796		

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
2.421		316812	0.3168	------	----------
4.854		1892	0.0019	------	----------
		318704	0.3187		

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
5.177		340648	0.3406	------	----------
6.758		1118	0.0011	------	----------
6.815		1964	0.0020	------	----------
		343730	0.3437		

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
.055		346106	0.3461	------	----------
8.138		3674	0.0037	------	----------
8.372		1895	0.0019	------	----------
		351675	0.3517		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
8.578		351301	0.3513	------	----------
9.354		3165	0.0032	------	----------
		354466	0.3545		

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
9.900		354769	0.3548	------	----------
10.433		825	0.0008	------	----------
10.927		1308	0.0013	------	----------
		356902	0.3569		

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
11.083		353383	0.3534	------	----------
12.014		2045	0.0020	------	----------
		355428	0.3554		

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
12.152		354604	0.3546	------	----------
13.130		339494	0.3395	------	----------
13.912		706	0.0007	------	----------

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
		694804	0.6948		

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
14.023		331026	0.3310	------	----------
14.850		312825	0.3128	------	----------
		643851	0.6439		

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
15.617		282825	0.2828	------	----------
[illegible].252		437	0.0004	------	----------
[illegible].343		252860	0.2529	------	----------
		536122	0.5361		

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
17.171		222187	0.2222	------	----------
18.229		196059	0.1961	------	----------
		418246	0.4182		

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
[illegible].630		175286	0.1753	------	----------
[illegible].533		165468	0.1655	------	----------
23.895		3894	0.0039	------	----------
		344648	0.3446		

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
24.156		148592	0.1486	------	----------
		148592	0.1486		

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O11_081.TX0

Turbochrom Sequence File : C:\TC4\DATA_3\014.SEQ
Created by : EM on : 10/14/00 11:45 AM
Edited by : EC on : 10/17/00 11:24 AM
Description :

Number of Times Edited : 15

Sequence File Header Information:

Number of Rows : 181
Instrument Type : 760 / 900 Series Intelligent Interface
Injection Type : SINGLE

FJK 10/18/00

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	DAILY RT MARKER	C8-C40	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
2	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
3	Std Check	#TEPH00-167 RT	30 PPM	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
4	Sample	322-17 2X	DLJKP102	ICAL 9/27/	1.000	1.000	1.000	2.000	5.000	20.000	0.000	100.000
5	Sample	325-13	DLJMV101	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
6	Sample	325-14	DLJMW101	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
7	Sample	325-15	DLJMX101	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
8	Sample	325-29 not used	DLJNP102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
9	Sample	325-30	DLJNR102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
10	Sample	325-31 reserve	DLJN102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
11	Sample	325-33	DLJP2102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
12	Sample	325-35	DLJP5102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
13	Sample	325-37	DLJP8102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
14	Sample	325-38	DLJP9102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
15	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
16	Std Check	#TEPH00-167 RT	30 PPM C40	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
[illegible]	Sample	329-MB	DLTDQ101B 69°	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
[illegible]	Sample	329-LCS	DLTDQ102C	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
19	Sample	329-28	DLPJV102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
20	Sample	355-01	DLPWC102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
21	Sample	355-01 MS	DLPWC120S	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
22	Sample	355-01 MSD	DLPWC121D	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
23	Sample	MECL2	MECL2	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
24	Sample	329-MB	DLTDA101B	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
25	Sample	329-LCS	DLTDA102C	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
26	Sample	329-01	DLPGD102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
27	Sample	329-01 MS	DLPGD11WS	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
28	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
29	Std Check	#TEPH00-167 RT	30 PPM	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
30	Sample	329-01 MSD	DLPGD11XD	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
31	Sample	329-03	DLPHC102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
32	Sample	329-04	DLPHE102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
33	Sample	329-05	DLPHF102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
34	Sample	329-07	DLPHL102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
35	Sample	329-08	DLPHN102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
36	Sample	329-09	DLPHQ102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
37	Sample	329-11	DLPHX102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
38	Sample	329-12	DLPJ3102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
39	Sample	329-13	DLPJ5102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
40	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
41	Std Check	#TEPH00-167 RT	30 PPM	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
42	Sample	329-15	DLPJ8102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
43	Sample	329-16	DLPJA102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
44	Sample	329-17	DLPJC102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
45	Sample	329-19	DLPJF102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
46	Sample	329-21	DLPJJ102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
47	Sample	329-23	DLPJL102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
48	Sample	329-25	DLPJN102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
49	Sample	329-27	DLPJT102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
50	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
51	Std Check	#TEPH00-167 RT	30 PPM	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
[illegible]	Sample	MECL2	MECL2	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
[illegible]	Sample	MECL2	MECL2	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
54	Sample	DAILY RT MARKER	C8-C40	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
55	Std Check	#TEPH00-178 DIE	1000 PPM	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
56	Std Check	#TEPH00-195 RT	30 PPM	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
57	Sample	#1566-2 BAP SUR	25 PPM	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
58	Sample	322-17 2X	DLJKP102	ICAL 9/27/	1.000	1.000	1.000	2.000	5.000	20.000	0.000	100.000
59	Std Check	#TEPH00-178 DIE	1000 PPM	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
60	Std Check	#TEPH00-195 RT	30 PPM	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000

GC03 014-Sec

61	Sample	325-13	DLJMV101	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
62	Sample	325-14	DLJMW101	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
63	Sample	325-15	DLJMX101	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
64	Sample	325-29	DLJNP102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
65	Sample	325-30	DLJNR102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
66	Sample	325-31	DLJN102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
67	Sample	325-33	DLJP2102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
	Sample	325-35	DLJP5102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
	Sample	325-37	DLJP8102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
70	Sample	325-38	DLJP9102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
71	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
72	Std Check	#TEPH00-167 RT	30 PPM	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
73	Sample	329-MB	DLTDQ101B	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
74	Sample	329-LCS	DLTDQ102C	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
75	Sample	329-28	DLPJV102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
76	Sample	355-01	DLPWC102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
77	Sample	355-01 MS	DLPWC120S	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
78	Sample	355-01 MSD	DLPWC121D	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
79	Sample	MECL2	MECL2	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
80	Sample	329-MB	DLTDA101B	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
81	Sample	329-LCS	DLTDA102C	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
82	Sample	329-01	DLPGD102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
83	Sample	329-01 MS	DLPGD11WS	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
84	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
85	Std Check	#TEPH00-167 RT	30 PPM	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
86	Sample	329-01 MSD	DLPGD11XD	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
87	Sample	329-03	DLPHC102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
88	Sample	329-04	DLPHE102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
89	Sample	329-05	DLPHF102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
90	Sample	329-07	DLPHL102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
91	Sample	329-08	DLPHN102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
92	Sample	329-09	DLPHQ102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
93	Sample	329-11	DLPHX102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
94	Sample	329-12	DLPJ3102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
95	Sample	329-13	DLPJ5102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
96	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
97	Std Check	#TEPH00-167 RT	30 PPM	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
98	Sample	329-15	DLPJ8102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
99	Sample	329-16	DLPJA102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
100	Sample	329-17	DLPJC102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
101	Sample	329-19	DLPJF102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
102	Sample	329-21	DLPJJ102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
	Sample	329-23	DLPJL102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
	Sample	329-25	DLPJN102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
105	Sample	329-27	DLPJT102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
106	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
107	Std Check	#TEPH00-167 RT	30 PPM	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
108	Sample	226-MB	DM6FT1AAB	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
109	Sample	226-LCS	DM6FT1ACC	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
110	Sample	226-LCD	DM6FT1ADL	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
111	Sample	226-01	DLTAM10N	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	1017.000	0.000	100.000
112	Sample	274-08	DLW6A10N	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	990.000	0.000	100.000
113	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 9/27/	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 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
115	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
116	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
117	Sample			ICAL 9/27/	1.000	1.000	1.000	5.000	5.000	20.000	0.000	100.000
118	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
119	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
120	Std Check			ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
121	Std Check			ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
122	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
123	Sample			ICAL 9/27/	1.000	1.000	1.000	5.000	5.000	20.000	0.000	100.000
124	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
125	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
126	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
127	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
128	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
129	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
130	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
131	Std Check			ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
132	Std Check			ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
133	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
134	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
135	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
136	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
137	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
9	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
140	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
141	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
142	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
143	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
144	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
145	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
146	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
147	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000

Software Version: 4.1<2F12>
Sample Name : DAILY RT MARKER Time : 10/16/00 10:04 AM
Sample Number: C8-C40 Study : ICAL 9/27/00
C rator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 10/16/00 09:34 AM
Delay Time : 1.00 min.
End Time : 30.00 min. Diesel
Sampling Rate : 1.0000 pts/sec

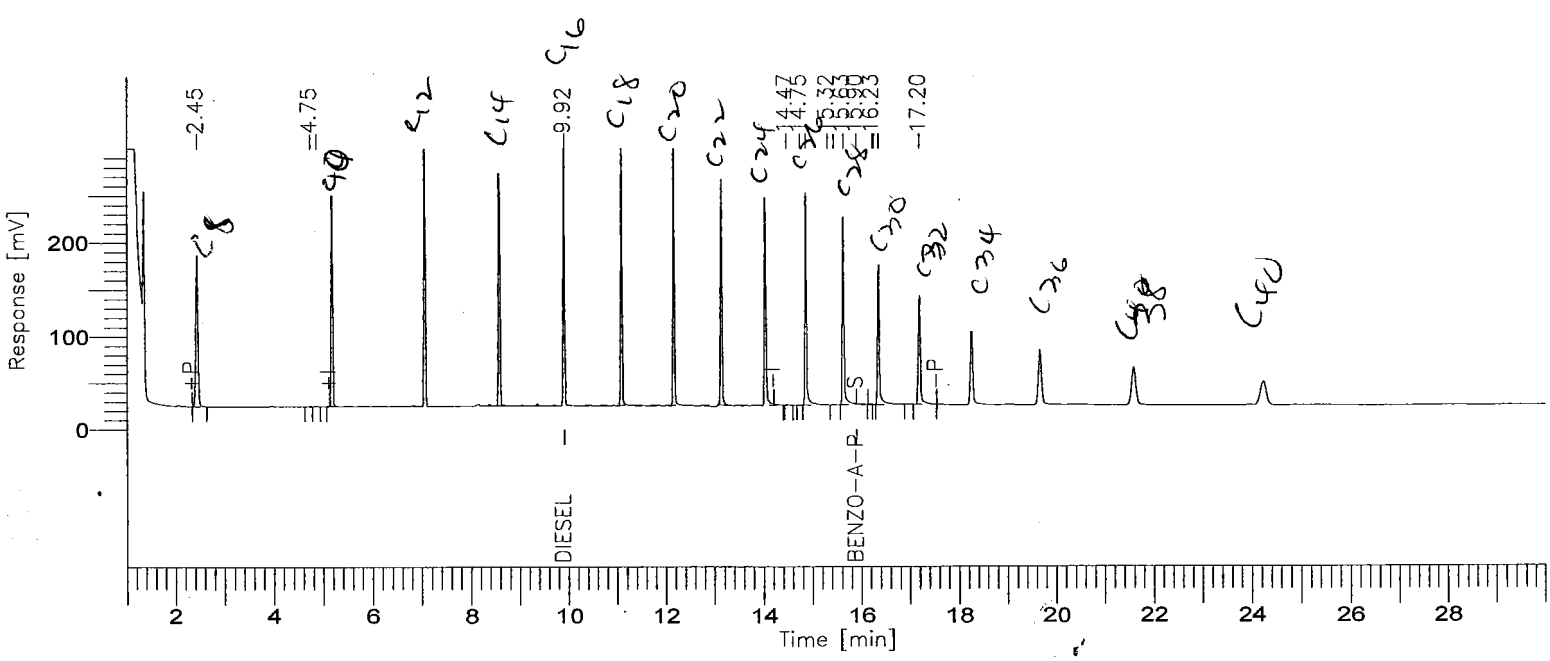
Raw Data File : C:\TC4\DATA_3\O14_054.RAW
Result File : C:\TC4\DATA_3\O14_054.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O14_054.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_3\O14.SEQ

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
M tiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 15



000971

BOE-C6-0169294

8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/l	FN
9.916	DIESEL	4146871	424.55502	-------	1.0	
15.900	BENZO-A-PYRENE	7380	0.82914	331.66	1.0	
		4154251	425.38416			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O14_054.TXO

Software Version: 4.1<2F12>
Sample Name : #TEPH00-178 DIESEL STD Time : 10/16/00 10:43 AM
Sample Number: 1000 PPM Study : ICAL 9/27/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 10/16/00 10:13 AM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

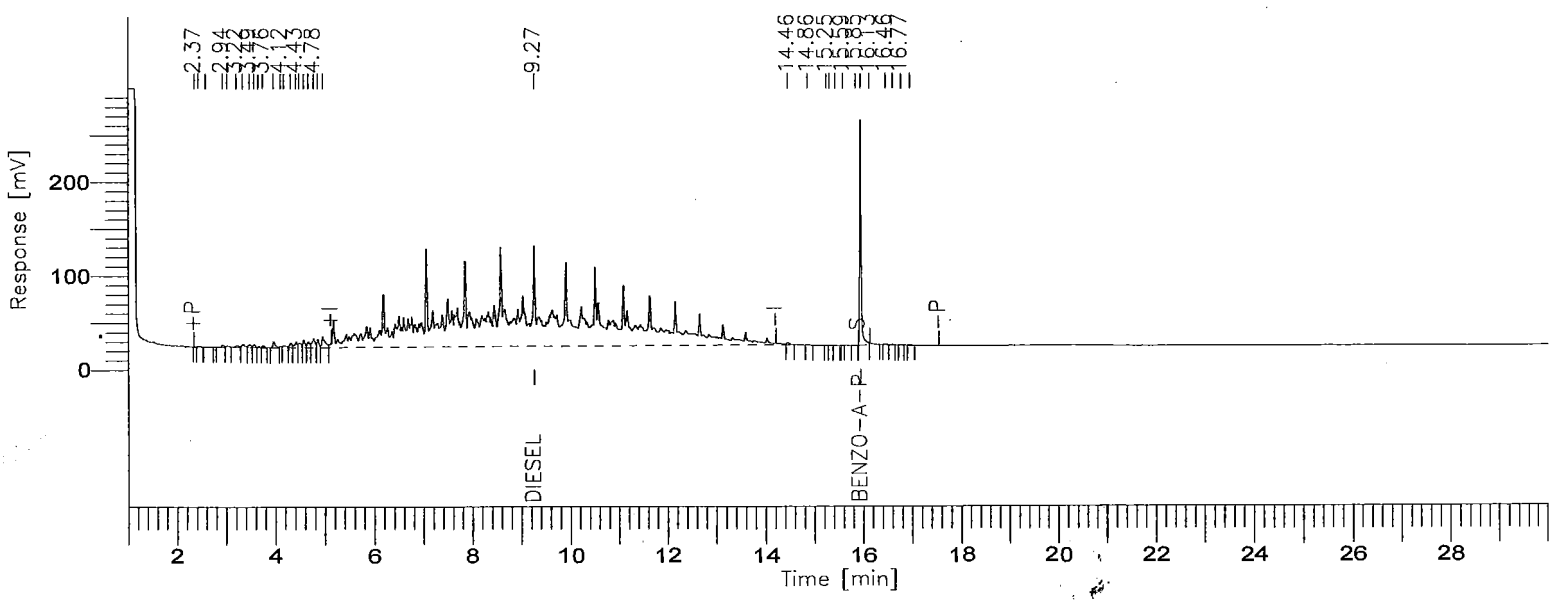
Raw Data File : C:\TC4\DATA_3\O14_055.RAW
Result File : C:\TC4\DATA_3\O14_055.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O14_055.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_3\O14.SEQ

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



8015B(TEPH)

GC03/FID:RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
2.369		1277	0.0013	------	----------
2.449		4006	0.0040	------	----------
2.599		901	0.0009	------	----------
2.937		9024	0.0090	------	----------
3.028		7778	0.0078	------	----------
3.222		13782	0.0138	------	----------
3.350		17004	0.0170	------	----------
3.486		14300	0.0143	------	----------
3.582		10623	0.0106	------	----------
3.666		3757	0.0038	------	----------
3.760		7588	0.0076	------	----------
3.976		24776	0.0248	------	----------
4.118		4711	0.0047	------	----------
4.182		13811	0.0138	------	----------
..319		16026	0.0160	------	----------
4.431		25213	0.0252	------	----------
4.495		20324	0.0203	------	----------
4.586		24369	0.0244	------	----------
4.673		22921	0.0229	------	----------
4.784		42186	0.0422	------	----------
4.867		25366	0.0254	------	----------
4.967		58423	0.0584	------	----------
9.269	DIESEL	11467666	1174.0551	1000.0	17.41
14.456		7102	0.0071	------	----------
14.864		2098	0.0021	------	----------
15.251		474	0.0005	------	----------
15.313		385	0.0004	------	----------
15.427		761	0.0008	------	----------
15.587		737	0.0007	------	----------
15.846		2635	0.0026	------	----------
15.950	BENZO-A-PYRENE	499885	56.1618	50.0	12.32
16.133		7979	0.0080	------	----------
16.461		1892	0.0019	------	----------
16.601		1692	0.0017	------	----------
16.766		1534	0.0015	------	----------
16.953		2402	0.0024	------	----------
		12365408	1230.6148		

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O14_055.TX0

Software Version: 4.1<2F12>
Sample Name : #TEPH00-195 RT MARKER Time : 10/16/00 11:22 AM
Sample Number: 30 PPM Study : ICAL 9/30/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 10/16/00 10:52 AM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

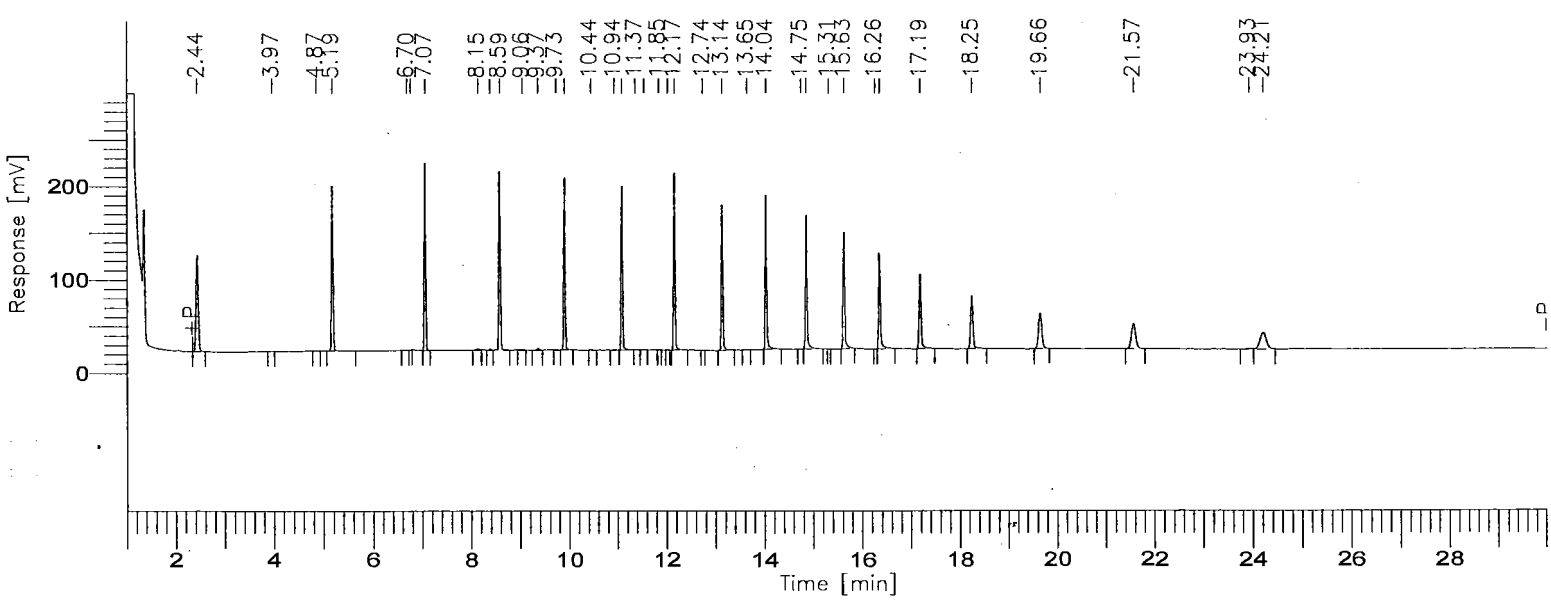
Raw Data File : C:\TC4\DATA_3\O14_056.RAW
Result File : C:\TC4\DATA_3\O14_056.RST
Inst Method : C:\TC4\DATA_3\METHODS\C8-C40A from C:\TC4\DATA_3\O14_056.RST
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A
Sequence File : C:\TC4\DATA_3\O14.SEQ

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: 38



000936

8015B(TEPH)

GC03/FID:RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
3.749	C8-C9	341197	31.2249	30.0	4.08
6.074	C10-C11	359028	30.6362	30.0	2.12
7.769	C12-C13	367392	29.5369	30.0	-1.54
9.180	C14-C15	374062	30.6090	30.0	2.03
10.441	C16-C17	371808	30.5397	30.0	1.80
11.579	C18-C19	373473	30.7001	30.0	2.33
13.051	C20-C23	721575	30.3939	30.0	1.31
14.784	C24-C27	660562	30.4313	30.0	1.44
16.356	C28-C31	530750	29.2927	30.0	-2.36
18.348	C32-C35	418190	31.3905	30.0	4.63
21.815	C36-C39	346872	33.9652	30.0	13.22
27.034	C40+	149210	35.1581	30.0	17.19
		5014120	373.8785		

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
2.444		338743	0.3387	------	----------
3.971		553	0.0006	------	----------
4.866		1901	0.0019	------	----------
		341197	0.3412		

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
5.185		357722	0.3577	------	----------
6.699		700	0.0007	------	----------
6.771		606	0.0006	------	----------
		359028	0.3590		

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
7.067		359877	0.3599	------	----------
8.149		4934	0.0049	------	----------
8.385		2582	0.0026	------	----------
		367392	0.3674		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
8.586		367109	0.3671	------	----------
9.055		1435	0.0014	------	----------
9.367		4410	0.0044	------	----------
9.734		1108	0.0011	------	----------
		374062	0.3741		

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
9.913		368718	0.3687	------	----------
10.444		1569	0.0016	------	----------
10.937		1522	0.0015	------	----------
		371808	0.3718		

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
11.095		369200	0.3692	------	----------
11.368		920	0.0009	------	----------
11.549		436	0.0004	------	----------
11.853		888	0.0009	------	----------
12.026		2028	0.0020	------	----------
		373473	0.3735		

Group Report For : C20-C23

Time	Component	Area	ACTUAL	TRUE	%

[min]	Name	[µV·s]	VALUE (PPM)	VALUE	D
12.165		366298	0.3663	------	----------
12.743		813	0.0008	------	----------
13.139		353889	0.3539	------	----------
13.648		575	0.0006	------	----------
		721575	0.7216		

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
14.035		340128	0.3401	------	----------
14.749		624	0.0006	------	----------
14.864		319524	0.3195	------	----------
15.313		286	0.0003	------	----------
		660562	0.6606		

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
15.630		279266	0.2793	------	----------
16.264		375	0.0004	------	----------
16.354		251108	0.2511	------	----------
		530750	0.5307		

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
17.186		221528	0.2215	------	----------
18.249		196662	0.1967	------	----------
		418190	0.4182		

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
19.656		174790	0.1748	------	----------

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
[illegible].569		167631	0.1676	------	----------
23.932		4451	0.0045	------	----------
		346872	0.3469		

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
24.209		149210	0.1492	------	----------
		149210	0.1492		

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

[illegible] - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O14_056.TXO

Software Version: 4.1<2F12>
Sample Name : #TEPH00-178 DIESEL STD Time : 10/17/00 12:30 PM
Sample Number: 1000 PPM Study : ICAL 9/27/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 10/16/00 01:22 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

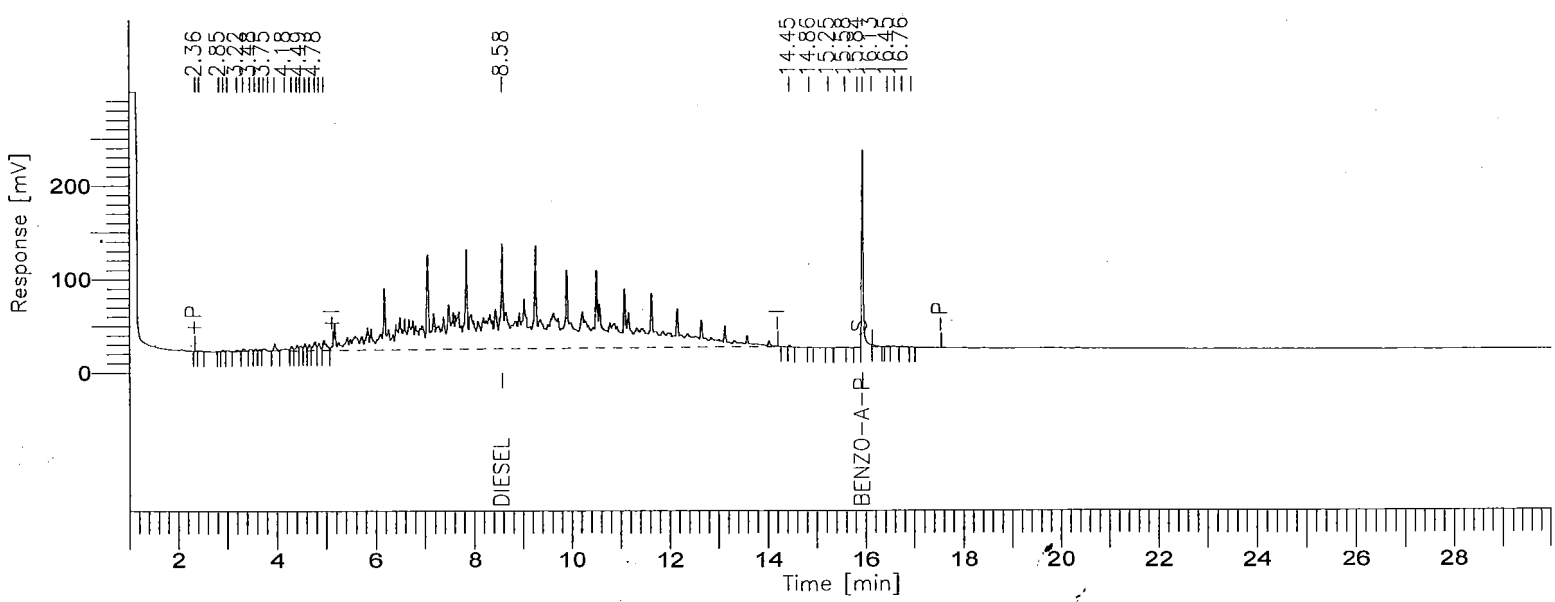
Raw Data File : C:\TC4\DATA_3\014_059.RAW
Result File : C:\TC4\DATA_3\014_059.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\014_059.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\014_059.RST
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\014_059.RST
Sequence File : C:\TC4\DATA_3\014.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: 34



8015B(TEPH)

GC03/FID:RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
2.363		1665	0.0017	------	----------
2.440		4061	0.0041	------	----------
2.847		1006	0.0010	------	----------
2.929		6063	0.0061	------	----------
3.018		4852	0.0049	------	----------
3.215		5429	0.0054	------	----------
3.341		9199	0.0092	------	----------
3.479		6408	0.0064	------	----------
3.576		5169	0.0052	------	----------
3.659		4327	0.0043	------	----------
3.752		9037	0.0090	------	----------
3.845		774	0.0008	------	----------
3.968		24377	0.0244	------	----------
4.179		18563	0.0186	------	----------
4.314		15982	0.0160	------	----------
4.422		21906	0.0219	------	----------
4.487		20184	0.0202	------	----------
4.580		24250	0.0243	------	----------
4.667		22217	0.0222	------	----------
4.780		41557	0.0416	------	----------
4.862		28067	0.0281	------	----------
4.958		58053	0.0581	------	----------
8.584	DIESEL	11197287	1146.3739	1000.0	14.64
14.452		4437	0.0044	------	----------
14.857		2034	0.0020	------	----------
15.249		699	0.0007	------	----------
15.582		1349	0.0013	------	----------
15.837		3344	0.0033	------	----------
15.945	BENZO-A-PYRENE	506273	56.8795	50.0	13.76
16.133		10360	0.0104	------	----------
16.452		3211	0.0032	------	----------
16.594		3914	0.0039	------	----------
16.755		3403	0.0034	------	----------
16.947		1694	0.0017	------	----------
		12071152	1203.6210		

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

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- LOS ANGELES

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Report stored in ASCII file: C:\TC4\DATA_3\O14_059.TX0

Software Version: 4.1<2F12>
Sample Name : #TEPH00-195 RT MARKER Time : 10/17/00 12:30 PM
Sample Number: 30 PPM Study : ICAL 9/30/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 10/16/00 02:01 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

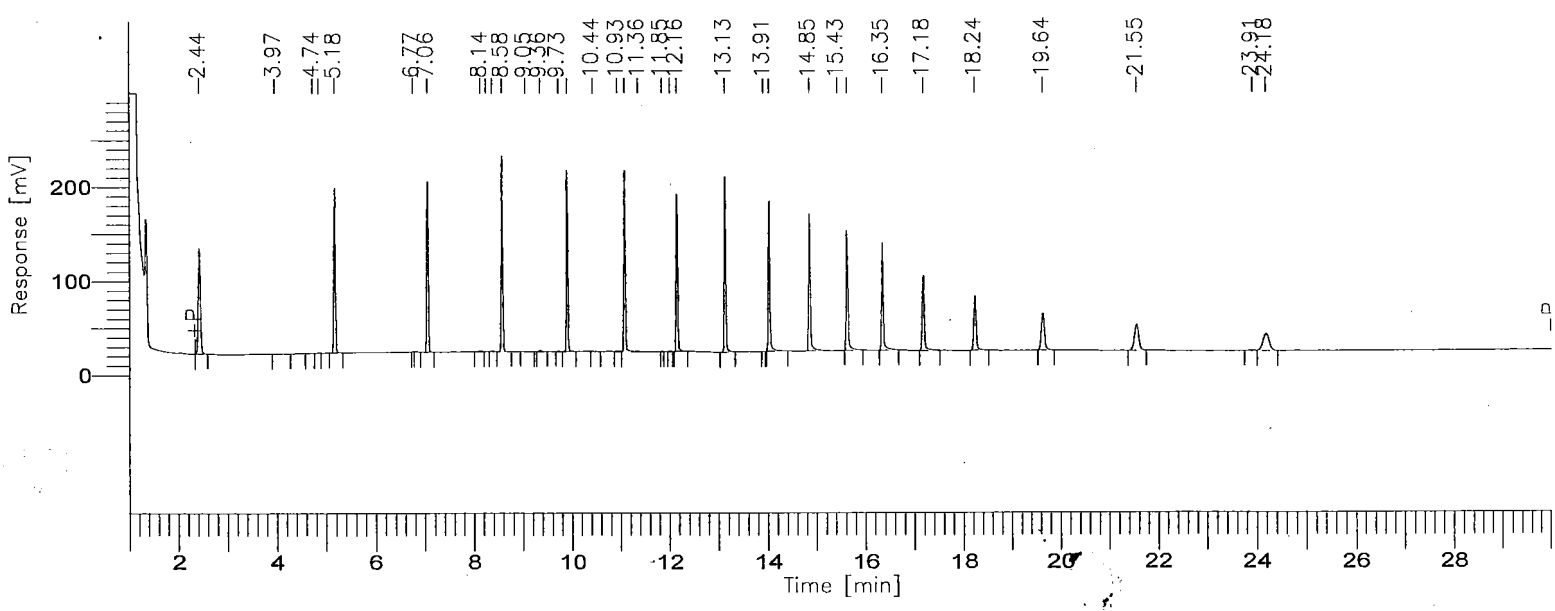
Raw Data File : C:\TC4\DATA_3\O14_060.RAW
Result File : C:\TC4\DATA_3\O14_060.RST
Inst Method : C:\TC4\DATA_3\METHODS\C8-C40A from C:\TC4\DATA_3\O14_060.RST
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A from C:\TC4\DATA_3\O14_060.RST
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A from C:\TC4\DATA_3\O14_060.RST
Sequence File : C:\TC4\DATA_3\O14.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: 35



8015B(TEPH)

GC03/FID:RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
3.749	C8-C9	347366	31.7895	30.0	5.97
6.075	C10-C11	363320	31.0023	30.0	3.34
7.769	C12-C13	373754	30.0483	30.0	0.16
9.181	C14-C15	379301	31.0377	30.0	3.46
10.441	C16-C17	378912	31.1232	30.0	3.74
11.579	C18-C19	379838	31.2233	30.0	4.08
13.051	C20-C23	730652	30.7762	30.0	2.59
14.784	C24-C27	689110	31.7465	30.0	5.82
16.357	C28-C31	553376	30.5415	30.0	1.80
18.348	C32-C35	430538	32.3174	30.0	7.72
21.815	C36-C39	358530	35.1067	30.0	17.02
27.034	C40+	154716	36.4554	30.0	21.52
		5139412	383.1680		

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
2.435		344418	0.3444	------	----------
3.965		13	0.0000	------	----------
4.735		885	0.0009	------	----------
4.860		2051	0.0021	------	----------
		347366	0.3474		

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
5.181		362674	0.3627	------	----------
6.765		646	0.0006	------	----------
		363320	0.3633		

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
7.062		366292	0.3663	------	----------
8.144		4560	0.0046	------	----------
8.253		578	0.0006	------	----------
8.380		2324	0.0023	------	----------
		373754	0.3738		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
8.582		373058	0.3731	------	----------
9.051		848	0.0008	------	----------
9.362		4050	0.0040	------	----------
9.729		1345	0.0013	------	----------
		379301	0.3793		

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
9.903		376065	0.3761	------	----------
10.437		1192	0.0012	------	----------
10.932		1655	0.0017	------	----------
		378912	0.3789		

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
11.086		375985	0.3760	------	----------
11.363		1261	0.0013	------	----------
11.850		524	0.0005	------	----------
12.017		2068	0.0021	------	----------
		379838	0.3798		

Group Report For : C20-C23

Time	Component	Area	ACTUAL	TRUE	%

BOE-C6-0169310

[min]	Name	[µV·s]	VALUE (PPM)	VALUE	D
12.156		371394	0.3714	------	----------
13.133		358923	0.3589	------	----------
13.913		334	0.0003	------	----------
		730652	0.7307		

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
14.030		350529	0.3505	------	----------
14.853		336129	0.3361	------	----------
15.426		2452	0.0025	------	----------
		689110	0.6891		

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
15.620		293996	0.2940	------	----------
16.349		259380	0.2594	------	----------
		553376	0.5534		

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
17.179		228888	0.2289	------	----------
18.237		201650	0.2017	------	----------
		430538	0.4305		

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
19.642		181983	0.1820	------	----------
21.551		172146	0.1721	------	----------
23.913		4400	0.0044	------	----------

		358530	0.3585		

›up Report For : C40+

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
24.183		154716	0.1547	------	----------
		154716	0.1547		

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O14_060.TX0

Software Version: 4.1<2F12>
Sample Name : #TEPH00-171 DIESEL STD Time : 10/17/00 12:29 PM
Sample Number: 1000 PPM Study : ICAL 9/27/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 10/16/00 09:11 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

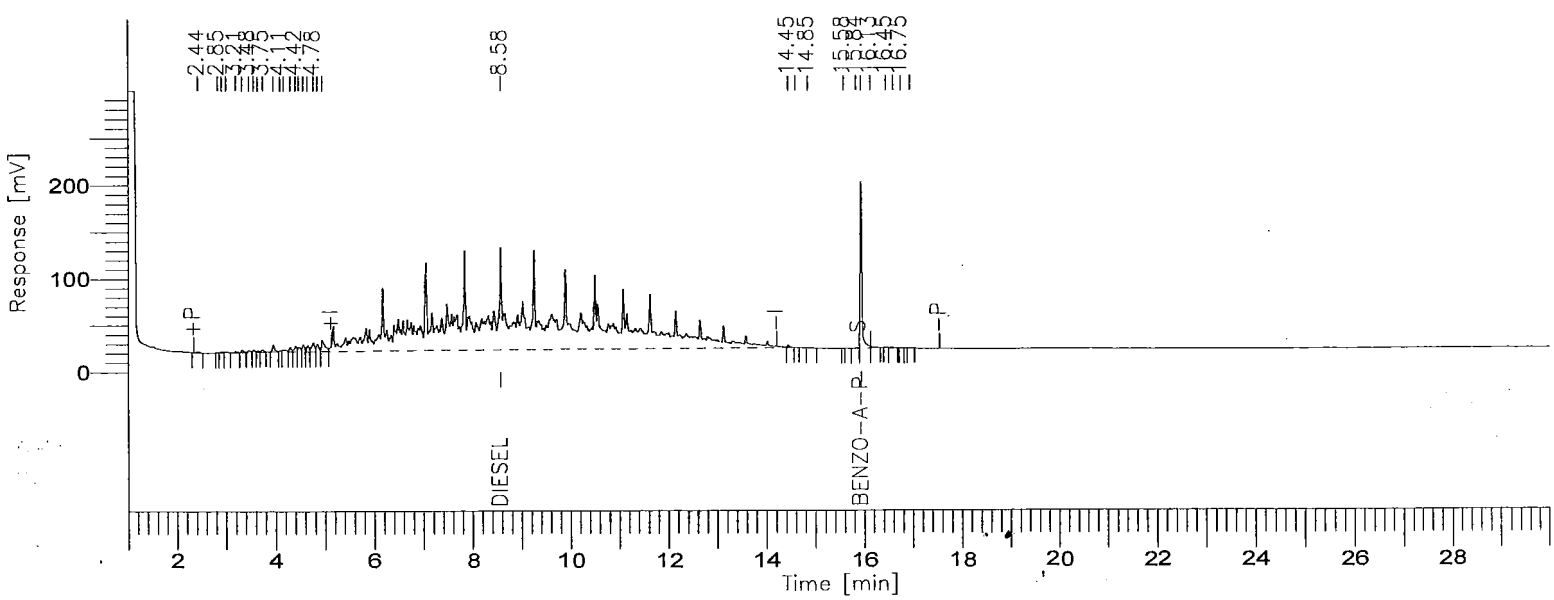
Raw Data File : C:\TC4\DATA_3\O14_071.RAW
Result File : C:\TC4\DATA_3\O14_071.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O14_071.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_3\O14.SEQ

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

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

Instrument Conditions:

Total number of peaks detected: 33



8015B(TEPH)

GC03/FID:RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
2.438		5245	0.0052	------	----------
2.846		728	0.0007	------	----------
2.926		5726	0.0057	------	----------
3.015		4238	0.0042	------	----------
3.213		5146	0.0051	------	----------
3.337		9520	0.0095	------	----------
3.475		8242	0.0082	------	----------
3.572		6180	0.0062	------	----------
3.655		4572	0.0046	------	----------
3.749		7894	0.0079	------	----------
3.966		24610	0.0246	------	----------
4.107		6129	0.0061	------	----------
4.179		14053	0.0141	------	----------
4.311		17110	0.0171	------	----------
.420		23286	0.0233	------	----------
4.486		21402	0.0214	------	----------
4.577		25675	0.0257	------	----------
4.664		24096	0.0241	------	----------
4.778		44429	0.0444	------	----------
4.858		30968	0.0310	------	----------
4.955		64167	0.0642	------	----------
8.583	DIESEL	11606350	1188.2536	1000.0	18.83
14.450		8517	0.0085	------	----------
14.600		1140	0.0011	------	----------
14.854		2007	0.0020	------	----------
15.580		703	0.0007	------	----------
15.835		2212	0.0022	------	----------
15.941	BENZO-A-PYRENE	460551	51.7427	50.0	3.49
16.133		6724	0.0067	------	----------
16.450		1857	0.0019	------	----------
16.595		1690	0.0017	------	----------
16.754		1483	0.0015	------	----------
16.947		1532	0.0015	------	----------
		12448183	1240.3775		

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

000951

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STL - LOS ANGELES

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Report stored in ASCII file: C:\TC4\DATA_3\O14_071.TXO

Software Version: 4.1<2F12>
Sample Name : #TEPH00-167 RT MARKER Time : 10/17/00 12:29 PM
Sample Number: 30 PPM Study : ICAL 9/30/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 10/16/00 09:51 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

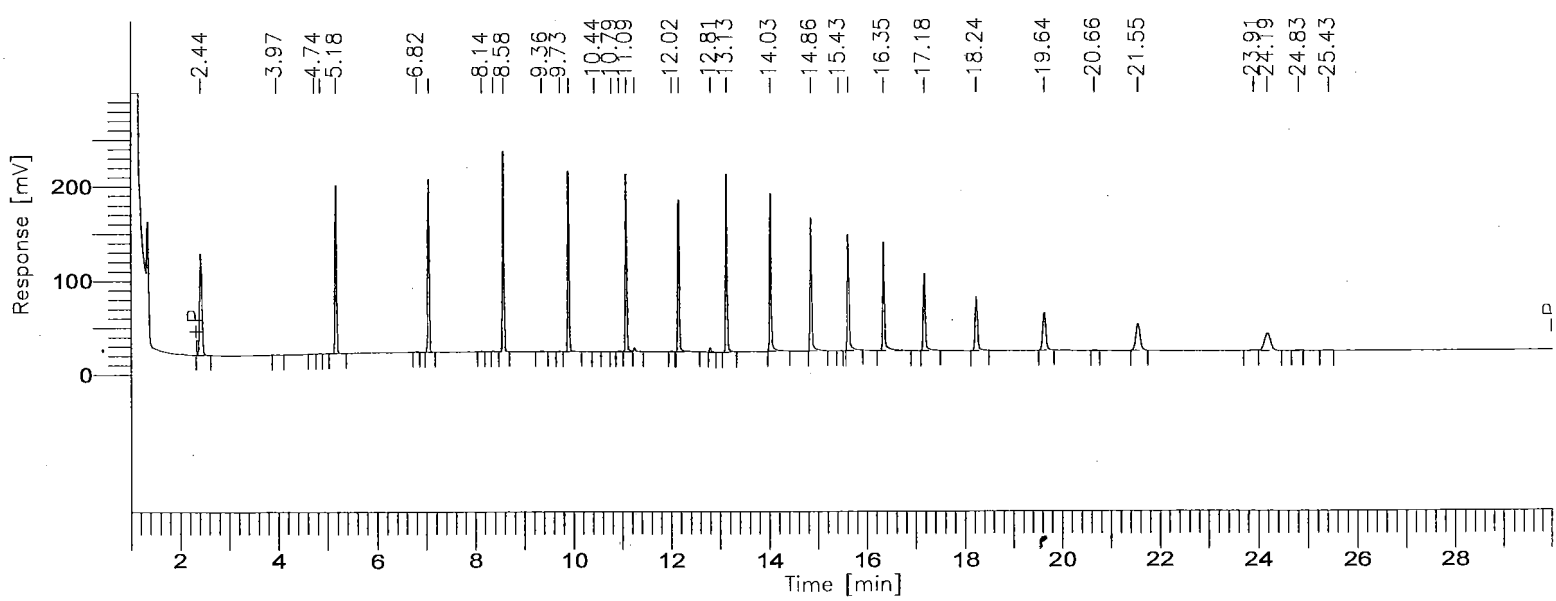
Raw Data File : C:\TC4\DATA_3\014_072.RAW
Result File : C:\TC4\DATA_3\014_072.RST
Inst Method : C:\TC4\DATA_3\METHODS\C8-C40A from C:\TC4\DATA_3\014_072.RST
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_3\014.SEQ

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



000953

BOE-C6-0169316

8015B(TEPH)

GC03/FID:RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
3.749	C8-C9	359411	32.8918	30.0	9.64
6.074	C10-C11	376406	32.1190	30.0	7.06
7.769	C12-C13	380238	30.5696	30.0	1.90
9.180	C14-C15	384350	31.4509	30.0	4.84
10.441	C16-C17	388470	31.9082	30.0	6.36
11.579	C18-C19	394348	32.4161	30.0	8.05
13.051	C20-C23	761178	32.0620	30.0	6.87
14.784	C24-C27	691695	31.8655	30.0	6.22
16.356	C28-C31	570554	31.4895	30.0	4.97
18.348	C32-C35	433946	32.5731	30.0	8.58
21.815	C36-C39	364448	35.6863	30.0	18.95
27.034	C40+	162940	38.3934	30.0	27.98
		5267982	393.4254		

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
2.435		356110	0.3561	------	----------
3.966		621	0.0006	------	----------
4.737		713	0.0007	------	----------
4.859		1967	0.0020	------	----------
		359411	0.3594		

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
5.180		374016	0.3740	------	----------
6.818		2390	0.0024	------	----------
		376406	0.3764		

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
7.062		375878	0.3759	------	----------
8.142		2294	0.0023	------	----------
8.380		2066	0.0021	------	----------
		380238	0.3802		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
8.582		380119	0.3801	------	----------
9.363		2854	0.0029	------	----------
9.730		1378	0.0014	------	----------
		384350	0.3844		

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
9.904		385396	0.3854	------	----------
10.438		1092	0.0011	------	----------
10.785		548	0.0005	------	----------
10.932		1434	0.0014	------	----------
		388470	0.3885		

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
11.087		382897	0.3829	------	----------
11.254		9169	0.0092	------	----------
12.018		2282	0.0023	------	----------
		394348	0.3943		

Group Report For : C20-C23

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

12.159		385591	0.3856	------	----------
12.811		10666	0.0107	------	----------
13.134		364920	0.3649	------	----------
		761178	0.7612		

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
14.031		357387	0.3574	------	----------
14.855		333561	0.3336	------	----------
15.429		747	0.0007	------	----------
		691695	0.6917		

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
15.622		297770	0.2978	------	----------
16.349		272784	0.2728	------	----------
		570554	0.5706		

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
17.180		231914	0.2319	------	----------
18.238		202032	0.2020	------	----------
		433946	0.4339		

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
19.644		183114	0.1831	------	----------
20.661		2162	0.0022	------	----------
21.552		174004	0.1740	------	----------
23.912		5170	0.0052	------	----------
		364448	0.3644		

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
24.188		158436	0.1584	------	----------
24.827		2255	0.0023	------	----------
25.427		2249	0.0022	------	----------
		162940	0.1629		

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O14_072.TXO

Lot/Sample: E0J050000-537B INTRA-LAB BLANK TICs.....: N Report Results: Y
WO#.....: DLM1A-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: 10/13/00
Inject Time..: 3:02 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O11_054A
Instr ID: G03 Column: RTX-1 ID: .53
Sampling date.....:10/04/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/17 11:50:14
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/05/00
QC Batch.....: 0279537
MS Run Number:
Prep Time....: 14:00-18:00
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	13.401	107.2128		

Software Version: 4.1<2F12>
Sample Name : 322-MB Time : 10/17/00 12:21 PM
Sample Number: DLM1A101B Study : ICAL 9/27/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 10/13/00 03:02 AM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

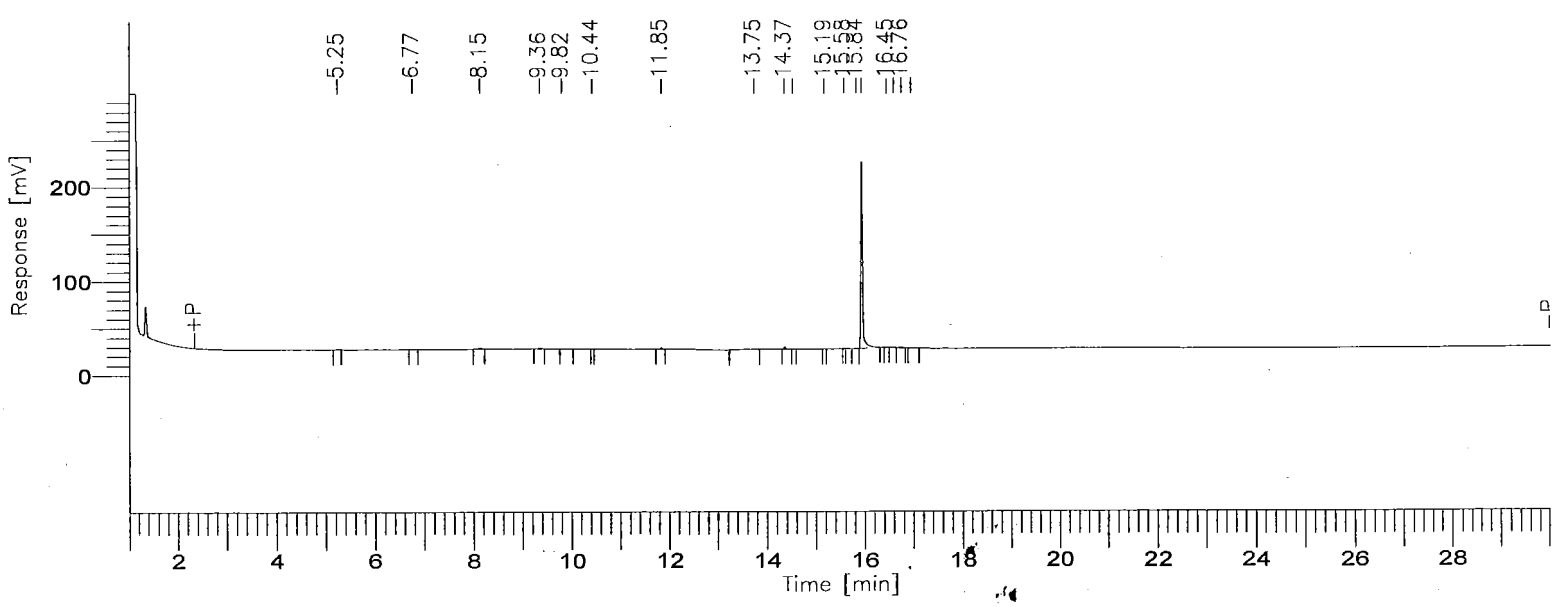
Raw Data File : C:\TC4\DATA_3\O11_054B.RAW
Result File : C:\TC4\DATA_3\O11_054B.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O11_054B.RS
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_3\O11A.SEQ

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



8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.75	C8-C9	0	0.0000	-------	10.0	
6.07	C10-C11	3038	0.0648	-------	10.0	
7.77	C12-C13	3727	0.0749	-------	10.0	
9.18	C14-C15	4244	0.0868	-------	10.0	
10.44	C16-C17	614	0.0126	-------	10.0	
11.58	C18-C19	3628	0.0746	-------	10.0	
13.05	C20-C23	7067	0.0744	-------	10.0	
14.78	C24-C27	6794	0.0782	-------	10.0	
16.36	C28-C31	498610	6.8797	-------	10.0	
18.35	C32-C35	0	0.0000	-------	10.0	
21.82	C36-C39	0	0.0000	-------	10.0	
27.03	C40+	0	0.0000	-------	10.0	
		527722	7.3461			

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
5.25		1902	0.0005	-------	10.0	
6.76		1136	0.0003	-------	10.0	
		3038	0.0008			

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.15		3727	0.0009	-------	10.0	

		3727	0.0009			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.36		3224	0.0008	-------	10.0	
9.82		1019	0.0003	-------	10.0	
		4244	0.0011			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.44		614	0.0002	-------	10.0	
		614	0.0002			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.85		3628	0.0009	-------	10.0	
		3628	0.0009			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
13.75		7067	0.0018	-------	10.0	
		7067	0.0018			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.36		5832	0.0015	-------	10.0	
14.53		486	0.0001	-------	10.0	
15.18		476	0.0001	-------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
		6794	0.0017			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.58		714	0.0002	-------	10.0	
15.84		2438	0.0006	-------	10.0	
15.94		486640	0.1217	-------	10.0	
16.45		1917	0.0005	-------	10.0	
16.60		1841	0.0005	-------	10.0	
16.75		3078	0.0008	-------	10.0	
16.95		1982	0.0005	-------	10.0	
		498610	0.1247			

Group Report For : C32-C35

No peaks available to report

Group Report For : C36-C39

No peaks available to report

Group Report For : C40+

No peaks available to report

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

Report stored in ASCII file: C:\TC4\DATA_3\O11_054B.TX0

Software Version: 4.1<2F12>
Sample Name : 322-MB
Sample Number: DLM1A101B
Operator :

Time : 10/13/00 03:32 AM
Study : ICAL 9/27/00

Instrument : GC/FID-03
AutoSampler :
Rack/Vial : 0/0

Channel : A A/D mV Range : 1000

Interface Serial # : 8293570026 Data Acquisition Time: 10/13/00 03:02 AM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_3\O11_054.RAW
Result File : C:\TC4\DATA_3\O11_054.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O11_054.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_3\O11.SEQ

Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

Noise Threshold: 50
Multiplier : 5.0000

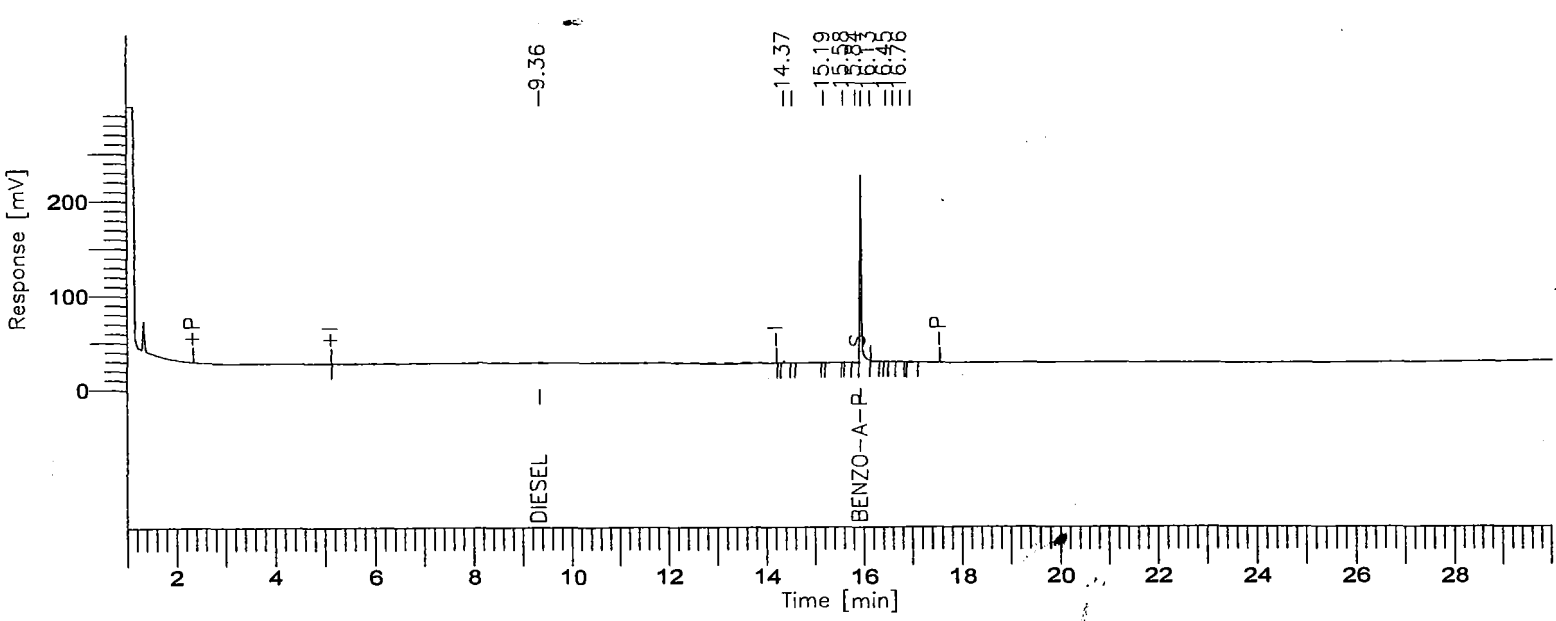
Area Threshold : 200
Divisor : 20.0000

Bunch Factor: 1
Addend : 0.0000

User1 : TPHDA
User2 :
User3 :
User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 12



000964

BOE-C6-0169327

8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.36	DIESEL	62882	1.6095	-------	10.0	
15.94	BENZO-A-PYRENE	477140	13.4016	107.21	10.0	
		540022	15.0111			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O11_054.TXO

Lot/Sample: E0J050000-537C INTRA-LAB CHECK TICs.....: N Report Results: Y
WO#.....: DLM1A-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: 10/13/00
Inject Time..: 3:41 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O11_055
Instr ID: G03 Column: RTX-1 ID: .53
Sampling date.....:10/04/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/05 18:43:12
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/05/00
QC Batch.....: 0279537
MS Run Number:
Prep Time....: 14:00-14:00
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....: TEPH1564-2DCS/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
J4490	Diesel Range Organics (			250	NA	0	0		NA
04980	Diesel Range Organics			250	213.1285	85.25	0		
05013	Motor Oil Range Organic			250	NA	0	0		NA
03052	TPH (as Diesel)			250	213.1285	85.25	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	11.897	95.1808		NA

Software Version: 4.1<2F12>
Sample Name : 322-LCS Time : 10/13/00 04:11 AM
Sample Number: DLM1A102C Study : ICAL 9/27/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 10/13/00 03:41 AM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

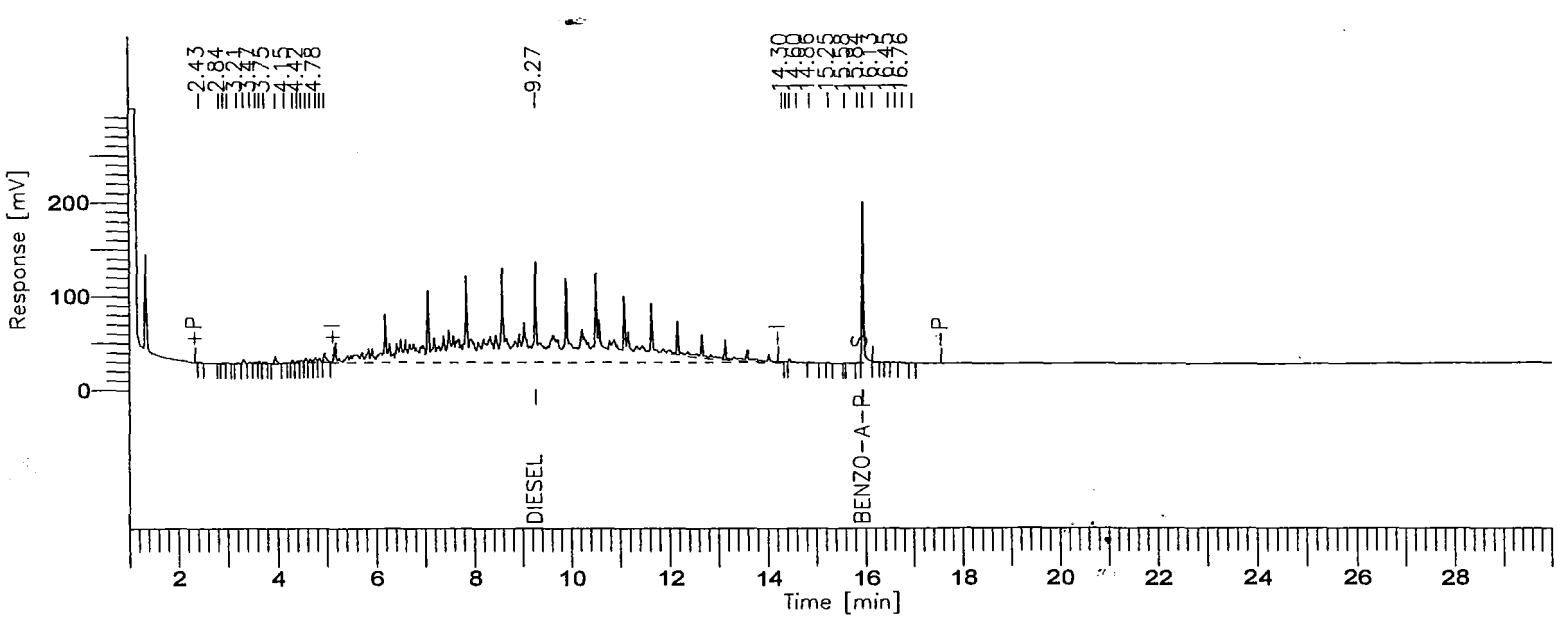
Raw Data File : C:\TC4\DATA_3\O11_055.RAW
Result File : C:\TC4\DATA_3\O11_055.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O11_055.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_3\O11.SEQ

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



000967

8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% RECOVERY	FN
9.266	DIESEL	8326989	213.1285	250.0000	85.25	
15.944	BENZO-A-PYRENE	423593	11.8976	12.5000	95.18	
		8750582				

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O11_055.TX0

Lot/Sample: E0J040325-013 C-2-66-5 TICs.....: N Report Results: Y
WO#.....: DLJMV-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: 10/16/00
Inject Time..: 14:40 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O14_061A
Instr ID: G03 Column: RTX-1 ID: .53
Sampling date.....:10/04/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/18 10:03:17
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/05/00
QC Batch.....: 0279537
MS Run Number: 0279258
Prep Time....: 14:00-18:00
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	12.532	100.2568		

Software Version: 4.1<2F12>
Sample Name : 325-13 Time : 10/17/00 12:41 PM
Sample Number: DLJMV101 Study : ICAL 9/30/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 10/16/00 02:40 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

C-chain

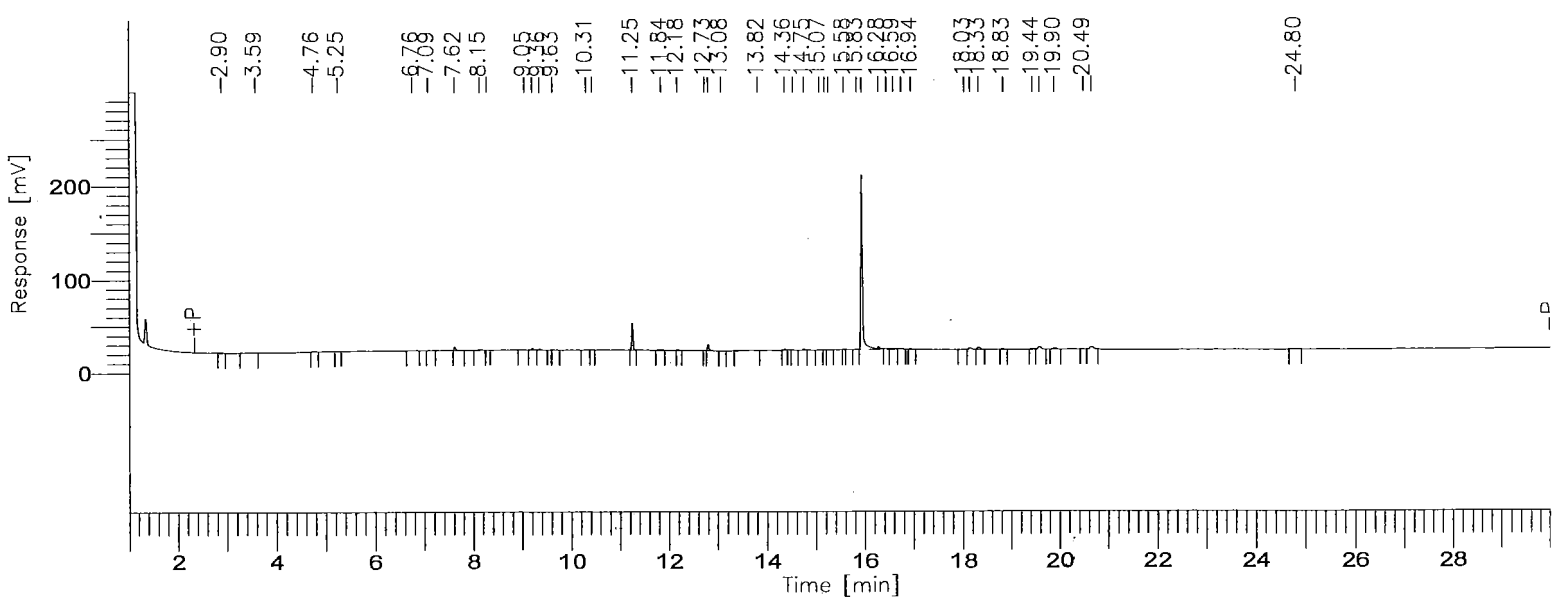
Raw Data File : C:\TC4\DATA_3\O14_061A.RAW
Result File : C:\TC4\DATA_3\O14_061A.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O14_061A.RS
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_3\O14A.SEQ

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: 46



000970

BOE-C6-0169333

8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.75	C8-C9	6454	0.1477	-------	10.0	
6.07	C10-C11	2381	0.0508	-------	10.0	
7.77	C12-C13	12832	0.2579	-------	10.0	
9.18	C14-C15	9491	0.1942	-------	10.0	
10.44	C16-C17	2095	0.0430	-------	10.0	
11.58	C18-C19	56834	1.1680	-------	10.0	
13.05	C20-C23	23253	0.2449	-------	10.0	
14.78	C24-C27	8841	0.1018	-------	10.0	
16.36	C28-C31	486459	6.7121	-------	10.0	
18.35	C32-C35	24476	0.4593	-------	10.0	
21.82	C36-C39	32924	0.8060	-------	10.0	
27.03	C40+	3442	0.2028	-------	10.0	
		669483	10.3883			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
2.90		972	0.0002	-------	10.0	
3.59		2193	0.0005	-------	10.0	
4.76		3290	0.0008	-------	10.0	
		6454	0.0016			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.25		993	0.0002	-------	10.0	
6.76		1388	0.0003	-------	10.0	
		2381	0.0006			

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
.09		454	0.0001	-------	10.0	
7.62		7854	0.0020	-------	10.0	
8.15		4155	0.0010	-------	10.0	
8.28		369	0.0001	-------	10.0	
		12832	0.0032			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.05		1227	0.0003	-------	10.0	
9.21		4238	0.0011	-------	10.0	
9.36		3614	0.0009	-------	10.0	
9.63		412	0.0001	-------	10.0	
		9491	0.0024			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.31		1022	0.0003	-------	10.0	
10.43		1073	0.0003	-------	10.0	
		2095	0.0005			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.25		54807	0.0137	-------	10.0	
11.84		2027	0.0005	-------	10.0	
		56834	0.0142			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.18		570	0.0001	-------	10.0	

000972

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
[illegible].73		511	0.0001	-------	10.0	
12.81		15287	0.0038	-------	10.0	
13.08		1888	0.0005	-------	10.0	
13.82		4997	0.0012	-------	10.0	
		23253	0.0058			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.36		2695	0.0007	-------	10.0	
14.53		510	0.0001	-------	10.0	
14.75		2886	0.0007	-------	10.0	
15.07		516	0.0001	-------	10.0	
15.18		633	0.0002	-------	10.0	
15.25		816	0.0002	-------	10.0	
15.58		786	0.0002	-------	10.0	
		8841	0.0022			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.83		2426	0.0006	-------	10.0	
15.94		453278	0.1133	-------	10.0	
16.28		14275	0.0036	-------	10.0	
16.45		6063	0.0015	-------	10.0	
16.59		5530	0.0014	-------	10.0	
16.75		3326	0.0008	-------	10.0	
16.94		1560	0.0004	-------	10.0	
		486459	0.1216			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
18.03		1285	0.0003	-------	10.0	
18.15		7190	0.0018	-------	10.0	
18.33		9175	0.0023	-------	10.0	
18.83		3192	0.0008	-------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
[illegible].44		3635	0.0009	-------	10.0	
		24476	0.0061			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
19.58		12573	0.0031	-------	10.0	
19.90		6122	0.0015	-------	10.0	
20.49		1236	0.0003	-------	10.0	
20.65		12993	0.0032	-------	10.0	
		32924	0.0082			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
24.80		3442	0.0009	-------	10.0	
		3442	0.0009			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O14_061A.TX0

Software Version: 4.1<2F12>
Sample Name : 325-13 Time : 10/16/00 03:09 PM
Sample Number: DLJMV101 Study : ICAL 9/27/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 10/16/00 02:40 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

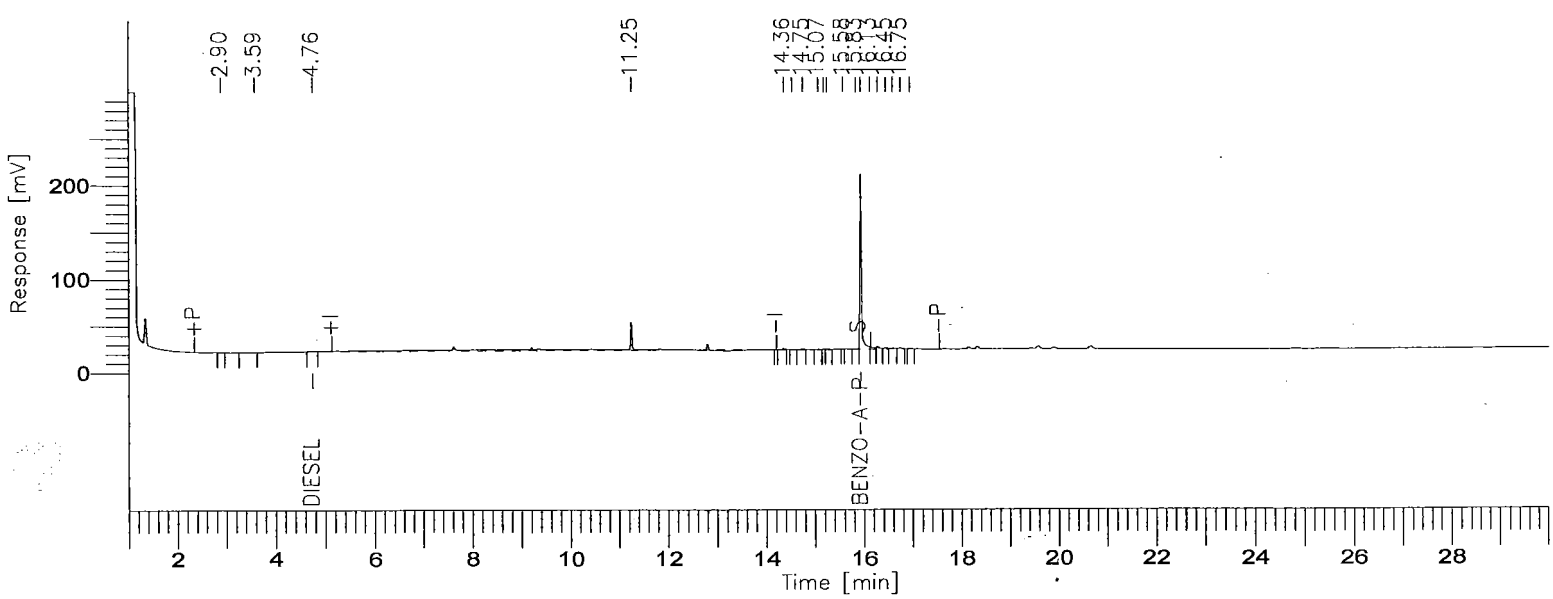
Raw Data File : C:\TC4\DATA_3\O14_061.RAW
Result File : C:\TC4\DATA_3\O14_061.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O14_061.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_3\O14.SEQ

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



8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
4.76	DIESEL	4893	0.1252	-------	10.0	
15.94	BENZO-A-PYRENE	446184	12.5321	100.26	10.0	
		451077	12.6574			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O14_061.TXO

Lot/Sample: E0J040325-014 C-2-66-10 TICs.....: N Report Results: Y
WO#.....: DLJMW-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: 10/16/00
Inject Time..: 15:19 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O14_062A
Instr ID: G03 Column: RTX-1 ID: .53
Sampling date.....:10/04/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/18 10:03:25
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/05/00
QC Batch.....: 0279537
MS Run Number: 0279258
Prep Time....: 14:00-18:00
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	10.998	87.984		

Software Version: 4.1<2F12>
Sample Name : 325-14 Time : 10/17/00 12:41 PM
Sample Number: DLJMW101 Study : ICAL 9/30/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 10/16/00 03:19 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

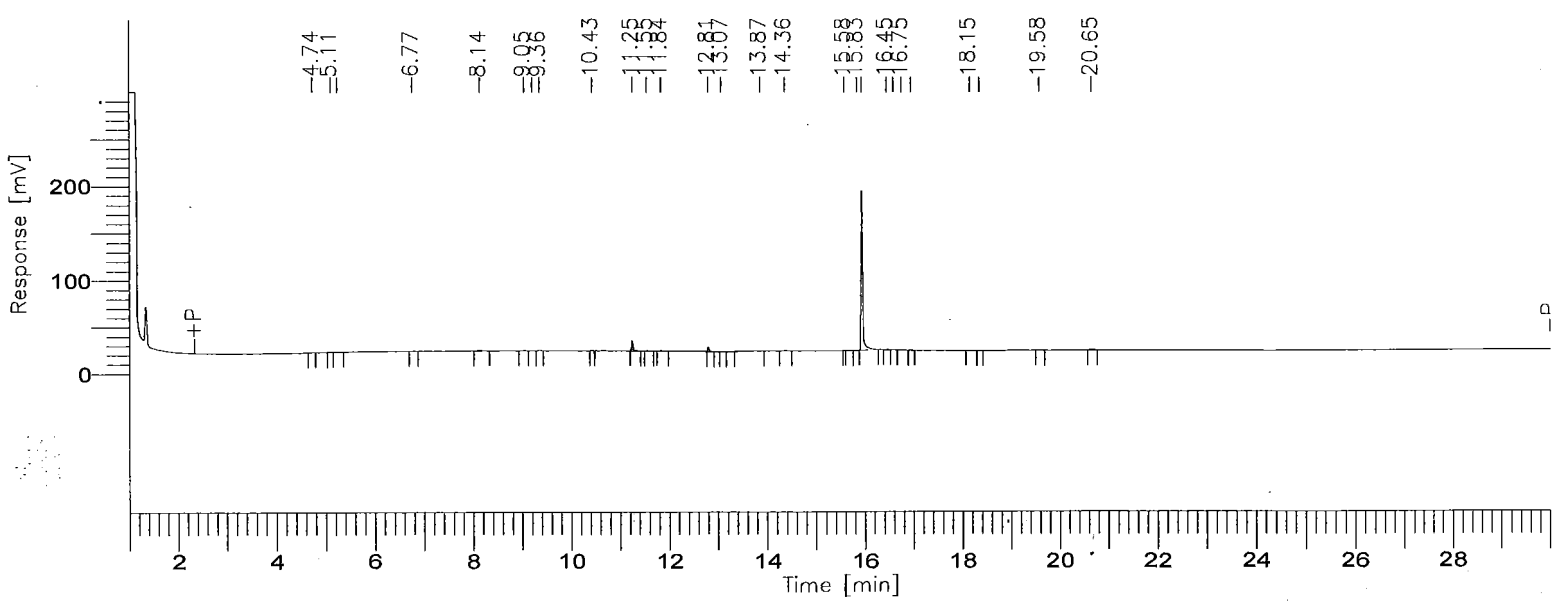
Raw Data File : C:\TC4\DATA_3\O14_062A.RAW
Result File : C:\TC4\DATA_3\O14_062A.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O14_062A.RS
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_3\O14A.SEQ

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



000978

BOE-C6-0169341

8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.75	C8-C9	1524	0.0349	-------	10.0	
6.07	C10-C11	1968	0.0420	-------	10.0	
7.77	C12-C13	3949	0.0794	-------	10.0	
9.18	C14-C15	4469	0.0914	-------	10.0	
10.44	C16-C17	883	0.0181	-------	10.0	
11.58	C18-C19	23298	0.4788	-------	10.0	
13.05	C20-C23	17991	0.1895	-------	10.0	
14.78	C24-C27	3200	0.0369	-------	10.0	
16.36	C28-C31	406430	5.6078	-------	10.0	
18.35	C32-C35	1396	0.0262	-------	10.0	
21.82	C36-C39	7828	0.1916	-------	10.0	
27.03	C40+	0	0.0000	-------	10.0	
		472936	6.7965			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
4.74		1146	0.0003	-------	10.0	
5.11		378	0.0001	-------	10.0	
		1524	0.0004			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.25		1265	0.0003	-------	10.0	
6.77		703	0.0002	-------	10.0	
		1968	0.0005			

Group Report For : C12-C13

Time	Component	Area	Final Results	% SURR	REP. LIMIT	FN

[min]	Name	[µV·s]	(ppm)	REC	mg/kg
[illegible]14		3949	0.0010	-------	10.0
		3949	0.0010		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.05		855	0.0002	-------	10.0	
9.21		598	0.0001	-------	10.0	
9.36		3016	0.0008	-------	10.0	
		4469	0.0011			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
[illegible] 43		883	0.0002	-------	10.0	
		883	0.0002			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.25		20644	0.0052	-------	10.0	
11.55		943	0.0002	-------	10.0	
11.84		1712	0.0004	-------	10.0	
		23298	0.0058			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
[illegible]81		9125	0.0023	-------	10.0	
13.07		1849	0.0005	-------	10.0	
13.87		7017	0.0018	-------	10.0	
		17991	0.0045			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.36		2608	0.0007	-------	10.0	
15.58		592	0.0001	-------	10.0	
		3200	0.0008			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.83		2066	0.0005	-------	10.0	
15.94		398028	0.0995	-------	10.0	
16.45		1729	0.0004	-------	10.0	
16.59		1519	0.0004	-------	10.0	
16.75		1750	0.0004	-------	10.0	
16.94		1339	0.0003	-------	10.0	
		406430	0.1016			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
18.15		816	0.0002	-------	10.0	
18.35		579	0.0001	-------	10.0	
		1396	0.0003			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
19.58		2108	0.0005	-------	10.0	
20.65		5720	0.0014	-------	10.0	
		7828	0.0020			

Group Report For : C40+

No peaks available to report

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O14_062A.TX0

Software Version: 4.1<2F12>
Sample Name : 325-14 Time : 10/16/00 03:48 PM
Sample Number: DLJMW101 Study : ICAL 9/27/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 10/16/00 03:19 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

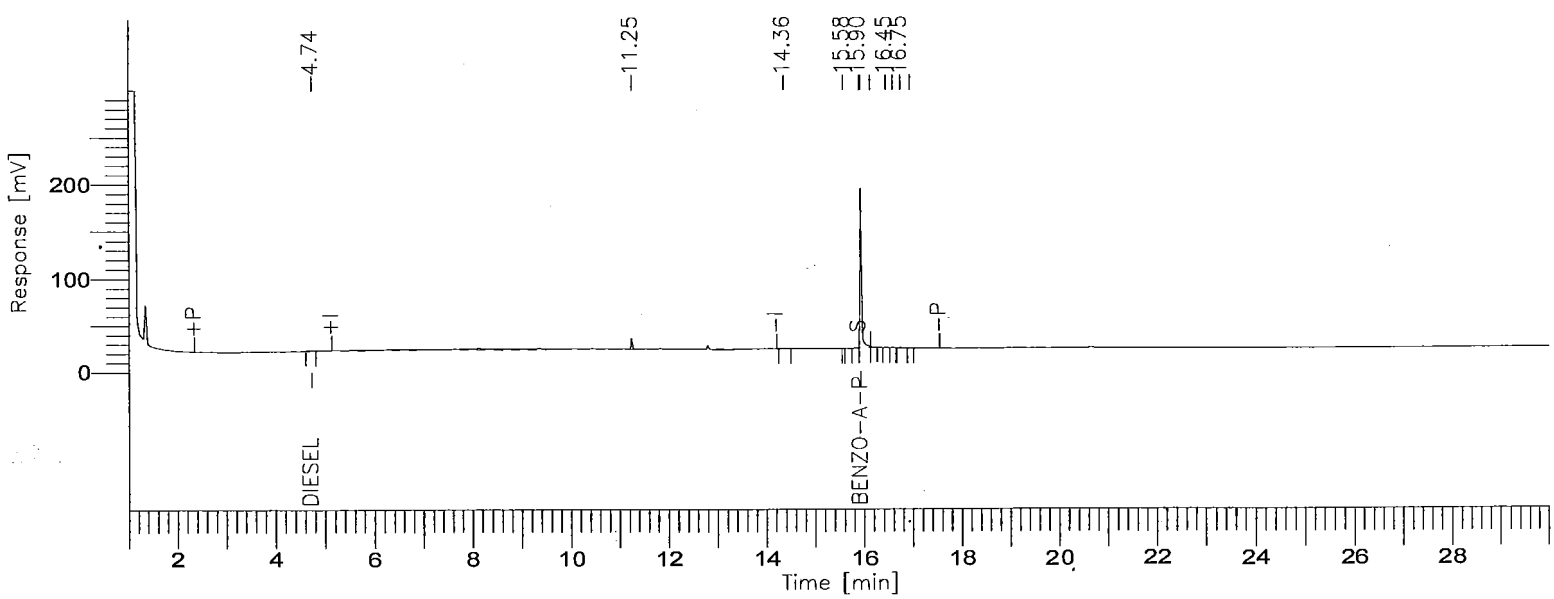
Raw Data File : C:\TC4\DATA_3\O14_062.RAW
Result File : C:\TC4\DATA_3\O14_062.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O14_062.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_3\O14.SEQ

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: 11



8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
4.74	DIESEL	2967	0.0760	-------	10.0	
15.94	BENZO-A-PYRENE	391564	10.9980	87.98	10.0	
		394531	11.0740			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O14_062.TXO

Lot/Sample: E0J040325-015 C-2-66-15 TICs.....: N Report Results: Y
WO#.....: DLJMX-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: 10/16/00
Inject Time..: 15:58 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O14_063A
Instr ID: G03 Column: RTX-1 ID: .53
Sampling date.....:10/04/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/18 10:03:31
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/05/00
QC Batch.....: 0279537
MS Run Number: 0279258
Prep Time....: 14:00-18:00
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	10.945	87.5648		

Software Version: 4.1<2F12>
Sample Name : 325-15 Time : 10/17/00 12:41 PM
Sample Number: DLJMX101 Study : ICAL 9/30/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 10/16/00 03:58 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

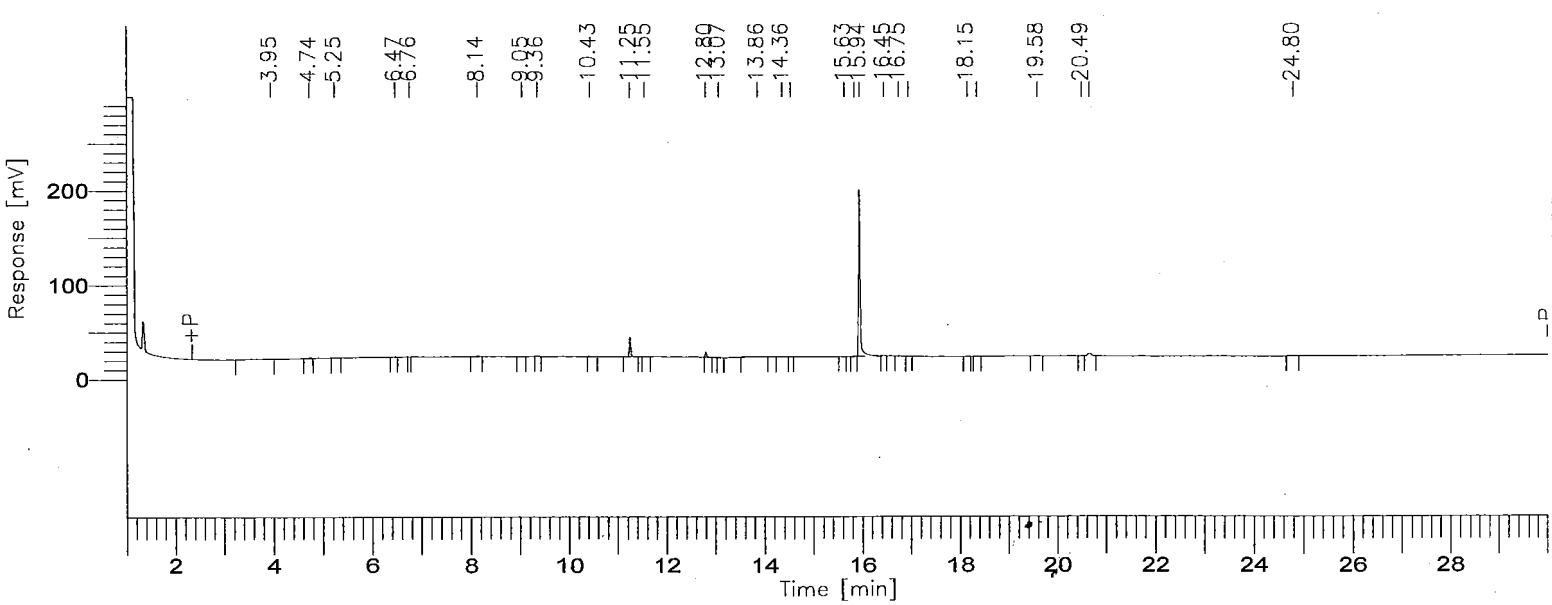
Raw Data File : C:\TC4\DATA_3\O14_063A.RAW
Result File : C:\TC4\DATA_3\O14_063A.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O14_063A.RS
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_3\O14A.SEQ

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)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.75	C8-C9	6832	0.1563	-------	10.0	
6.07	C10-C11	2187	0.0467	-------	10.0	
7.77	C12-C13	3725	0.0749	-------	10.0	
9.18	C14-C15	3690	0.0755	-------	10.0	
10.44	C16-C17	1270	0.0261	-------	10.0	
11.58	C18-C19	39889	0.8197	-------	10.0	
13.05	C20-C23	18619	0.1961	-------	10.0	
14.78	C24-C27	3174	0.0366	-------	10.0	
16.36	C28-C31	412102	5.6861	-------	10.0	
18.35	C32-C35	2290	0.0430	-------	10.0	
21.82	C36-C39	18240	0.4465	-------	10.0	
27.03	C40+	2213	0.1304	-------	10.0	
		514233	7.7377			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.95		4829	0.0012	-------	10.0	
4.74		2004	0.0005	-------	10.0	
		6832	0.0017			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.25		1353	0.0003	-------	10.0	
6.47		465	0.0001	-------	10.0	
6.76		369	0.0001	-------	10.0	
		2187	0.0005			

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
.14		3725	0.0009	-------	10.0	
		3725	0.0009			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.05		896	0.0002	-------	10.0	
9.36		2794	0.0007	-------	10.0	
		3690	0.0009			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
[illegible] 43		1270	0.0003	-------	10.0	
		1270	0.0003			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.25		38824	0.0097	-------	10.0	
11.55		1065	0.0003	-------	10.0	
		39889	0.0100			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.80		11681	0.0029	-------	10.0	
[illegible] 07		1740	0.0004	-------	10.0	
[illegible].86		5198	0.0013	-------	10.0	
		18619	0.0047			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.36		2686	0.0007	-------	10.0	
14.53		488	0.0001	-------	10.0	
		3174	0.0008			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.63		1723	0.0004	-------	10.0	
15.83		2003	0.0005	-------	10.0	
15.94		402650	0.1007	-------	10.0	
16.45		2755	0.0007	-------	10.0	
16.75		1753	0.0004	-------	10.0	
16.94		1219	0.0003	-------	10.0	
		412102	0.1030			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
18.15		452	0.0001	-------	10.0	
18.35		1839	0.0005	-------	10.0	
		2290	0.0006			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
19.58		4640	0.0012	-------	10.0	
20.49		742	0.0002	-------	10.0	
20.65		12858	0.0032	-------	10.0	
		18240	0.0046			

Group Report For : C40+

Time	Component	Area	Final Results	% SURR	REP. LIMIT	FN

[min]	Name	[µV·s]	(ppm)	REC	mg/kg
2' 80		2213	0.0006	-------	10.0
		2213	0.0006		

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O14_063A.TX0

Software Version: 4.1<2F12>
Sample Name : 325-15 Time : 10/16/00 04:28 PM
Sample Number: DLJMX101 Study : ICAL 9/27/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 10/16/00 03:58 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

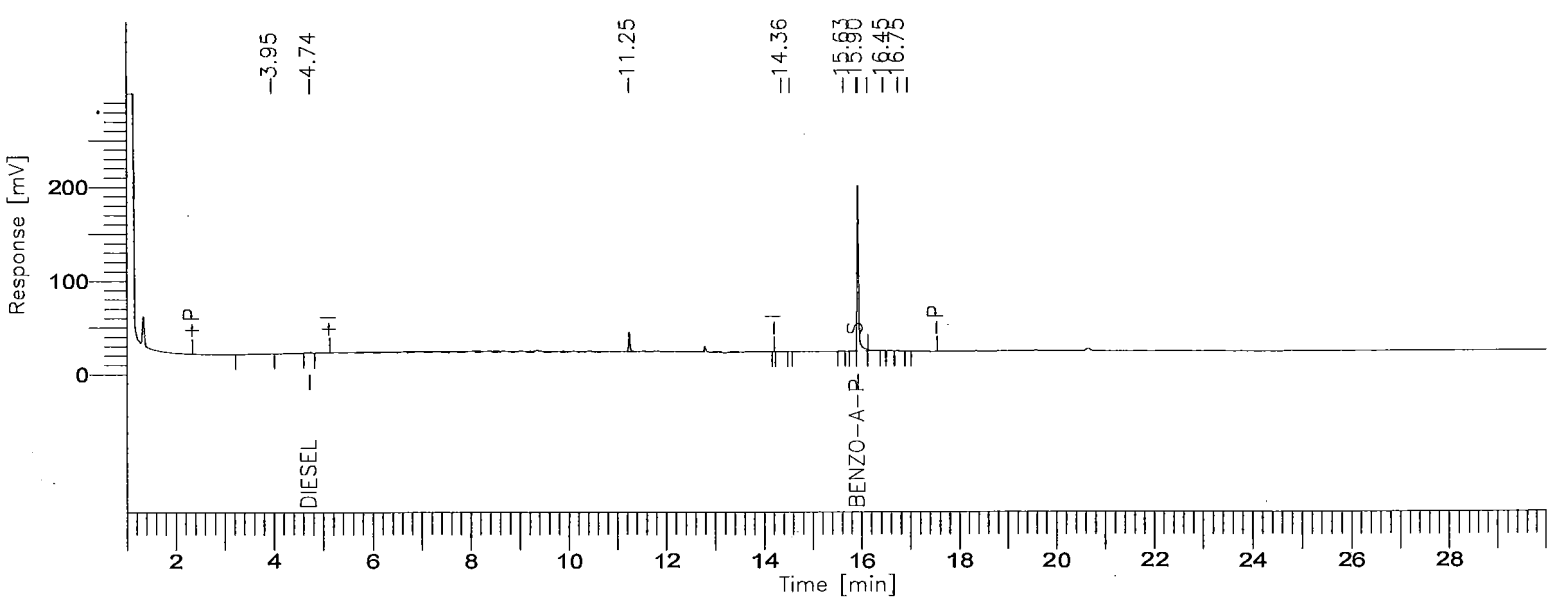
Raw Data File : C:\TC4\DATA_3\O14_063.RAW
Result File : C:\TC4\DATA_3\O14_063.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O14_063.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_3\O14.SEQ

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: 12



8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
4.74	DIESEL	4142	0.1060	-------	10.0	
15.94	BENZO-A-PYRENE	389699	10.9456	87.57	10.0	
		393842	11.0517			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O14_063.TXO

Lot/Sample: E0J040325-029 C-2-70-5 TICs.....: N Report Results: Y
WO#.....: DLJNP-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: 10/16/00
Inject Time..: 16:37 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O14_064A
Instr ID: G03 Column: RTX-1 ID: .53
Sampling date.....:10/04/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/18 10:03:40
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/05/00
QC Batch.....: 0279537
MS Run Number: 0279258
Prep Time....: 14:00-18:00
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	9.4540	75.632		

Software Version: 4.1<2F12>
Sample Name : 325-29 Time : 10/17/00 12:42 PM
Sample Number: DLJNP102 Study : ICAL 9/30/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 10/16/00 04:37 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

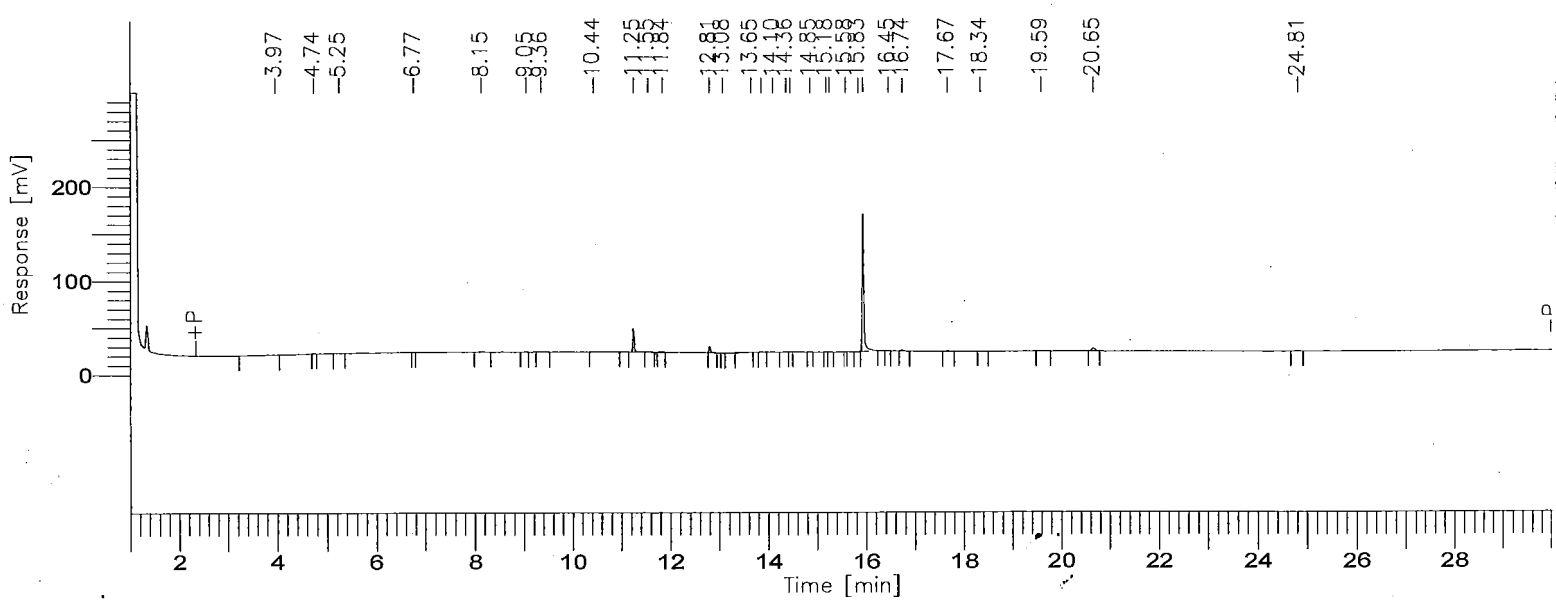
Raw Data File : C:\TC4\DATA_3\O14_064A.RAW
Result File : C:\TC4\DATA_3\O14_064A.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O14_064A.RS
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_3\O14A.SEQ

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: 31



8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.75	C8-C9	8349	0.1910	-------	10.0	
6.07	C10-C11	1616	0.0345	-------	10.0	
7.77	C12-C13	3531	0.0710	-------	10.0	
9.18	C14-C15	4257	0.0871	-------	10.0	
10.44	C16-C17	2364	0.0486	-------	10.0	
11.58	C18-C19	53825	1.1061	-------	10.0	
13.05	C20-C23	18852	0.1985	-------	10.0	
14.78	C24-C27	8245	0.0950	-------	10.0	
16.36	C28-C31	349239	4.8187	-------	10.0	
18.35	C32-C35	3502	0.0657	-------	10.0	
21.82	C36-C39	17796	0.4356	-------	10.0	
27.03	C40+	2896	0.1706	-------	10.0	
		474471	7.3223			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.97		6115	0.0015	-------	10.0	
4.74		2234	0.0006	-------	10.0	
		8349	0.0021			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.25		1109	0.0003	-------	10.0	
6.76		507	0.0001	-------	10.0	
		1616	0.0004			

Group Report For : C12-C13

Time	Component	Area	Final Results	% SURR	REP. LIMIT	FN

[min]	Name	[µV·s]	(ppm)	REC	mg/kg
9.15		3531	0.0009	-------	10.0
		3531	0.0009		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.05		832	0.0002	-------	10.0	
9.36		3424	0.0009	-------	10.0	
		4257	0.0011			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.43		2364	0.0006	-------	10.0	
		2364	0.0006			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.25		49873	0.0125	-------	10.0	
11.55		1339	0.0003	-------	10.0	
11.84		2613	0.0007	-------	10.0	
		53825	0.0135			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.81		14040	0.0035	-------	10.0	
13.07		1254	0.0003	-------	10.0	
13.65		2056	0.0005	-------	10.0	
13.86		1502	0.0004	-------	10.0	
		18852	0.0047			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.10		1422	0.0004	-------	10.0	
14.36		2793	0.0007	-------	10.0	
14.45		724	0.0002	-------	10.0	
14.85		674	0.0002	-------	10.0	
15.18		873	0.0002	-------	10.0	
15.25		1137	0.0003	-------	10.0	
15.58		622	0.0002	-------	10.0	
		8245	0.0021			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.83		1750	0.0004	-------	10.0	
15.94		341480	0.0854	-------	10.0	
16.45		1455	0.0004	-------	10.0	
1[illegible] 74		4554	0.0011	-------	10.0	
		349239	0.0873			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.67		2806	0.0007	-------	10.0	
18.34		696	0.0002	-------	10.0	
		3502	0.0009			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
19.59		4566	0.0011	-------	10.0	
2[illegible]65		13230	0.0033	-------	10.0	
		17796	0.0044			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
.81		2896	0.0007	-------	10.0	
		2896	0.0007			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O14_064A.TX0

Software Version: 4.1<2F12>
Sample Name : 325-29 Time : 10/17/00 12:29 PM
Sample Number: DLJNP102 Study : ICAL 9/27/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 10/16/00 04:37 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

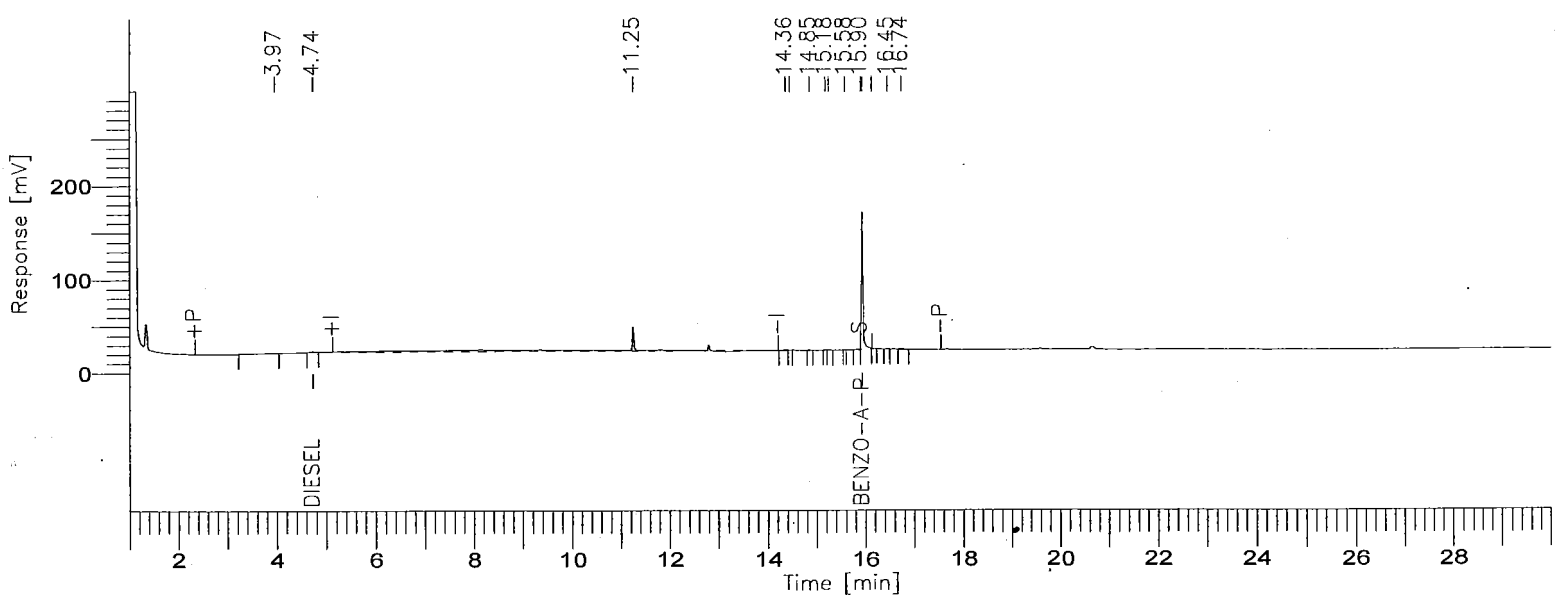
Raw Data File : C:\TC4\DATA_3\O14_064.RAW
Result File : C:\TC4\DATA_3\O14_064.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O14_064.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_3\O14.SEQ

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



8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
4.74	DIESEL	5018	0.1284	-------	10.0	
15.94	BENZO-A-PYRENE	336592	9.4540	75.63	10.0	
		341610	9.5824			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O14_064.TXO

Lot/Sample: E0J040325-030 C-2-70-10 TICs.....: N Report Results: Y
WO#.....: DLJNR-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: 10/16/00
Inject Time..: 17:16 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O14_065A
Instr ID: G03 Column: RTX-1 ID: .53
Sampling date.....:10/04/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/18 10:03:47
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/05/00
QC Batch.....: 0279537
MS Run Number: 0279258
Prep Time....: 14:00-18:00
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	11.345	90.7648		

Software Version: 4.1<2F12>
Sample Name : 325-30 Time : 10/17/00 12:42 PM
Sample Number: DLJNR102 Study : ICAL 9/30/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 10/16/00 05:16 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

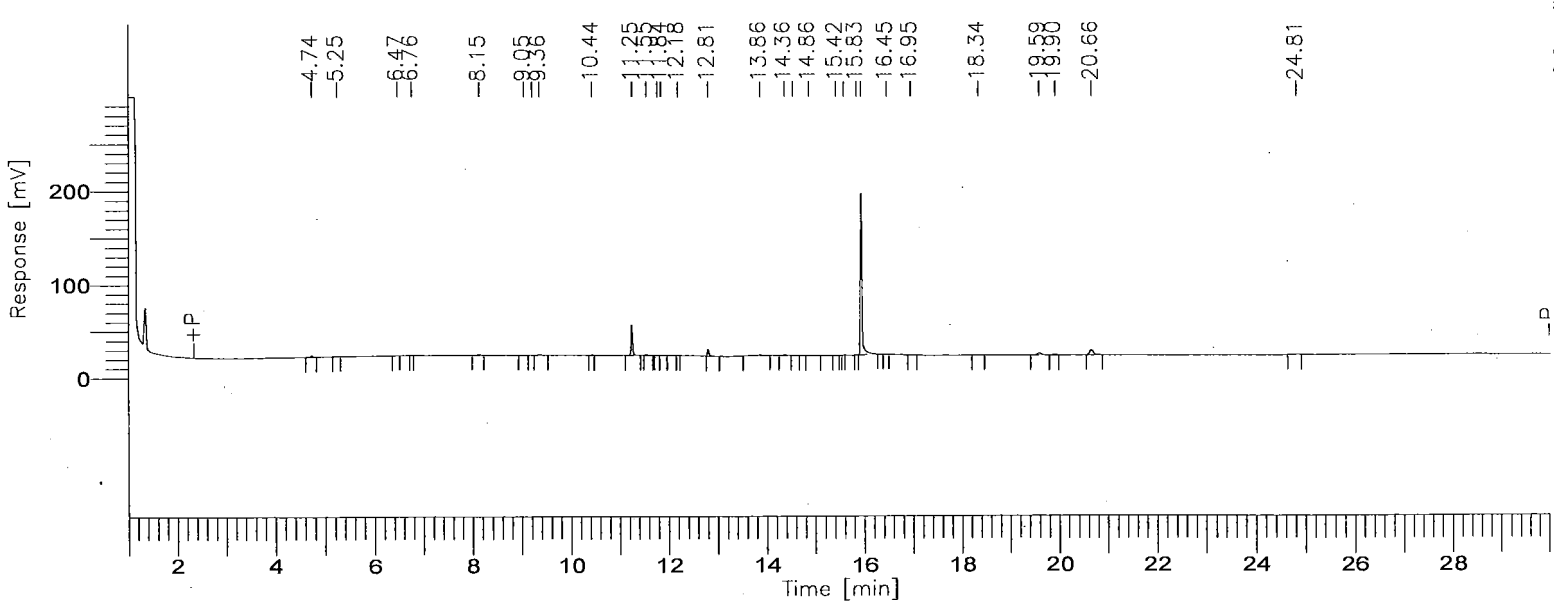
Raw Data File : C:\TC4\DATA_3\014_065A.RAW
Result File : C:\TC4\DATA_3\014_065A.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\014_065A.RS
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_3\014A.SEQ

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



001002

BOE-C6-0169365

8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.75	C8-C9	3744	0.0857	-------	10.0	
6.07	C10-C11	3038	0.0648	-------	10.0	
7.77	C12-C13	3683	0.0740	-------	10.0	
9.18	C14-C15	5432	0.1111	-------	10.0	
10.44	C16-C17	1357	0.0279	-------	10.0	
11.58	C18-C19	69458	1.4274	-------	10.0	
13.05	C20-C23	23522	0.2477	-------	10.0	
14.78	C24-C27	5500	0.0633	-------	10.0	
16.36	C28-C31	415873	5.7381	-------	10.0	
18.35	C32-C35	1298	0.0244	-------	10.0	
21.82	C36-C39	37078	0.9076	-------	10.0	
27.03	C40+	3686	0.2171	-------	10.0	
		573668	8.9892			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
4.74		3744	0.0009	-------	10.0	
		3744	0.0009			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.25		1240	0.0003	-------	10.0	
6.47		778	0.0002	-------	10.0	
6.76		1020	0.0003	-------	10.0	
		3038	0.0008			

Group Report For : C12-C13

Time	Component	Area	Final Results	% SURR	REP. LIMIT	FN

[min]	Name	[µV·s]	(ppm)	REC	mg/kg
^ 14		3683	0.0009	-------	10.0
		3683	0.0009		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.05		1087	0.0003	-------	10.0	
9.21		999	0.0002	-------	10.0	
9.36		3346	0.0008	-------	10.0	
		5432	0.0014			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
1[illegible] 44		1357	0.0003	-------	10.0	
		1357	0.0003			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.25		64532	0.0161	-------	10.0	
11.55		2006	0.0005	-------	10.0	
11.78		1585	0.0004	-------	10.0	
11.84		1335	0.0003	-------	10.0	
		69458	0.0174			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.18		624	0.0002	-------	10.0	
12.81		15913	0.0040	-------	10.0	
13.86		6984	0.0017	-------	10.0	
		23522	0.0059			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.36		2558	0.0006	-------	10.0	
14.53		465	0.0001	-------	10.0	
14.86		1244	0.0003	-------	10.0	
15.42		485	0.0001	-------	10.0	
15.58		748	0.0002	-------	10.0	
		5500	0.0014			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.83		2051	0.0005	-------	10.0	
15.94		410228	0.1026	-------	10.0	
16.45		2030	0.0005	-------	10.0	
16.95		1564	0.0004	-------	10.0	
		415873	0.1040			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
18.34		1298	0.0003	-------	10.0	
		1298	0.0003			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
19.59		8608	0.0022	-------	10.0	
19.90		1602	0.0004	-------	10.0	
20.66		26867	0.0067	-------	10.0	
		37078	0.0093			

Group Report For : C40+

Time	Component	Area	Final Results	% SURR	REP. LIMIT	FN

[min]	Name	[µV·s]	(ppm)	REC	mg/kg
81		3686	0.0009	-------	10.0
		3686	0.0009		

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O14_065A.TX0

Software Version: 4.1<2F12>
Sample Name : 325-30 Time : 10/16/00 05:45 PM
Sample Number: DLJNR102 Study : ICAL 9/27/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 10/16/00 05:16 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

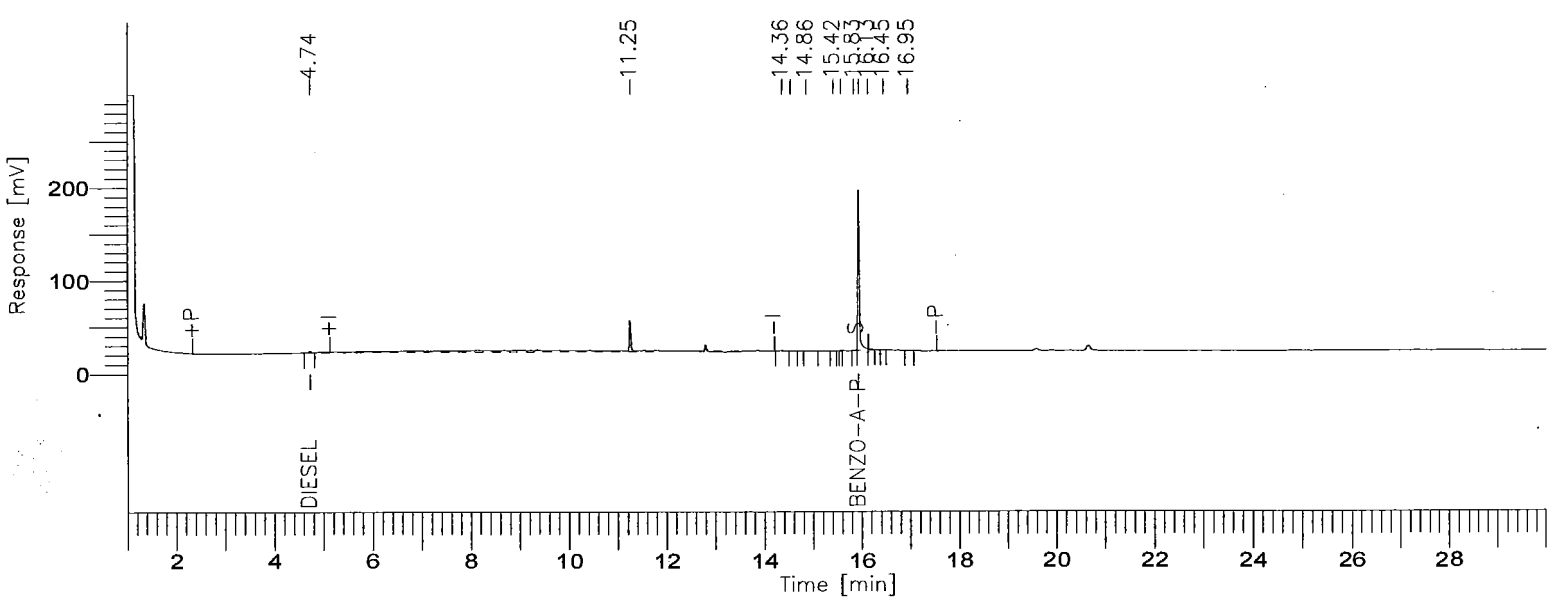
Raw Data File : C:\TC4\DATA_3\O14_065.RAW
Result File : C:\TC4\DATA_3\O14_065.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O14_065.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_3\O14.SEQ

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: 12



001007

8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
4.74	DIESEL	5484	0.1404	-------	10.0	
15.94	BENZO-A-PYRENE	403941	11.3456	90.77	10.0	
		409425	11.4860			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O14_065.TXO

Lot/Sample: E0J040325-031 C-2-71-5 TICs.....: N Report Results: Y
WO#.....: DLJNV-1-02 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....:
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/16/00
Inject Time..: 17:55 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O14_066
Instr ID: G03 Column: RTX-1 ID: .53
Sampling date.....:10/04/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/18 10:04:38
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/05/00
QC Batch.....: 0279537
MS Run Number: 0279258
Prep Time....: 14:00-18:00
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	10.73	85.84		

Software Version: 4.1<2F12>
Sample Name : 325-31 Time : 10/17/00 12:42 PM
Sample Number: DLJN102 Study : ICAL 9/30/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 10/16/00 05:55 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

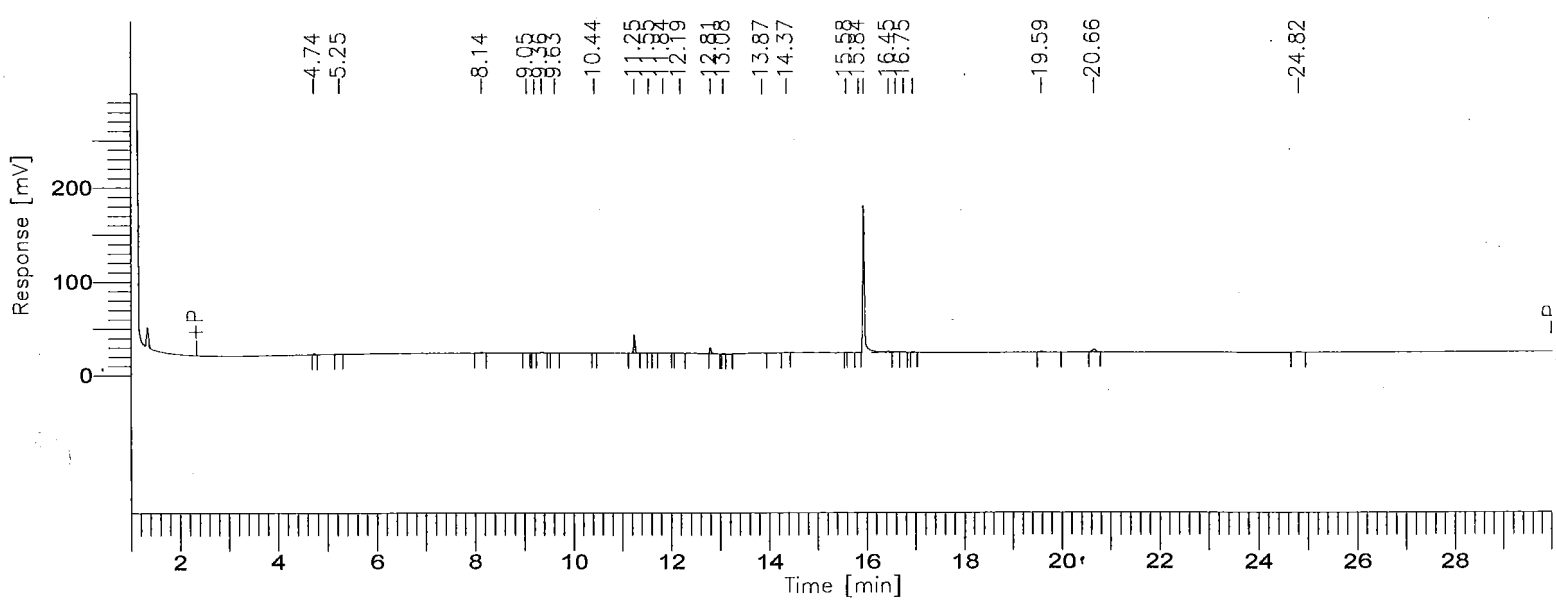
Raw Data File : C:\TC4\DATA_3\O14_066A.RAW
Result File : C:\TC4\DATA_3\O14_066A.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O14_066A.RS
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_3\O14A.SEQ

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



8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.75	C8-C9	2375	0.0543	-------	10.0	
6.07	C10-C11	706	0.0151	-------	10.0	
7.77	C12-C13	2965	0.0596	-------	10.0	
9.18	C14-C15	4797	0.0981	-------	10.0	
10.44	C16-C17	849	0.0174	-------	10.0	
11.58	C18-C19	40975	0.8421	-------	10.0	
13.05	C20-C23	28086	0.2958	-------	10.0	
14.78	C24-C27	2364	0.0272	-------	10.0	
16.36	C28-C31	412158	5.6869	-------	10.0	
18.35	C32-C35	0	0.0000	-------	10.0	
21.82	C36-C39	18154	0.4444	-------	10.0	
27.03	C40+	3132	0.1845	-------	10.0	
		516561	7.7254			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
4.74		2375	0.0006	-------	10.0	
		2375	0.0006			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.25		706	0.0002	-------	10.0	
		706	0.0002			

Group Report For : C12-C13

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

8.14		2965	0.0007	-------	10.0
		2965	0.0007		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.05		559	0.0001	-------	10.0	
9.21		834	0.0002	-------	10.0	
9.36		2887	0.0007	-------	10.0	
9.63		517	0.0001	-------	10.0	
		4797	0.0012			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.44		849	0.0002	-------	10.0	
		849	0.0002			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.25		37810	0.0095	-------	10.0	
11.55		984	0.0002	-------	10.0	
11.84		2181	0.0005	-------	10.0	
		40975	0.0102			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.18		755	0.0002	-------	10.0	
1[illegible] 81		14881	0.0037	-------	10.0	
1[illegible].07		1300	0.0003	-------	10.0	
13.86		11150	0.0028	-------	10.0	
		28086	0.0070			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.36		2364	0.0006	-------	10.0	
		2364	0.0006			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.84		2042	0.0005	-------	10.0	
15.94		393852	0.0985	-------	10.0	
16.45		8477	0.0021	-------	10.0	
16.59		3875	0.0010	-------	10.0	
16.75		2534	0.0006	-------	10.0	
16.95		1377	0.0003	-------	10.0	
		412158	0.1030			

Group Report For : C32-C35

No peaks available to report

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
19.59		4382	0.0011	-------	10.0	
20.66		13772	0.0034	-------	10.0	
		18154	0.0045			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
24.82		3132	0.0008	-------	10.0	
		3132	0.0008			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O14_066A.TX0

Software Version: 4.1<2F12>
Sample Name : 325-31 Time : 10/16/00 06:24 PM
Sample Number: DLJN102 Study : ICAL 9/27/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 10/16/00 05:55 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

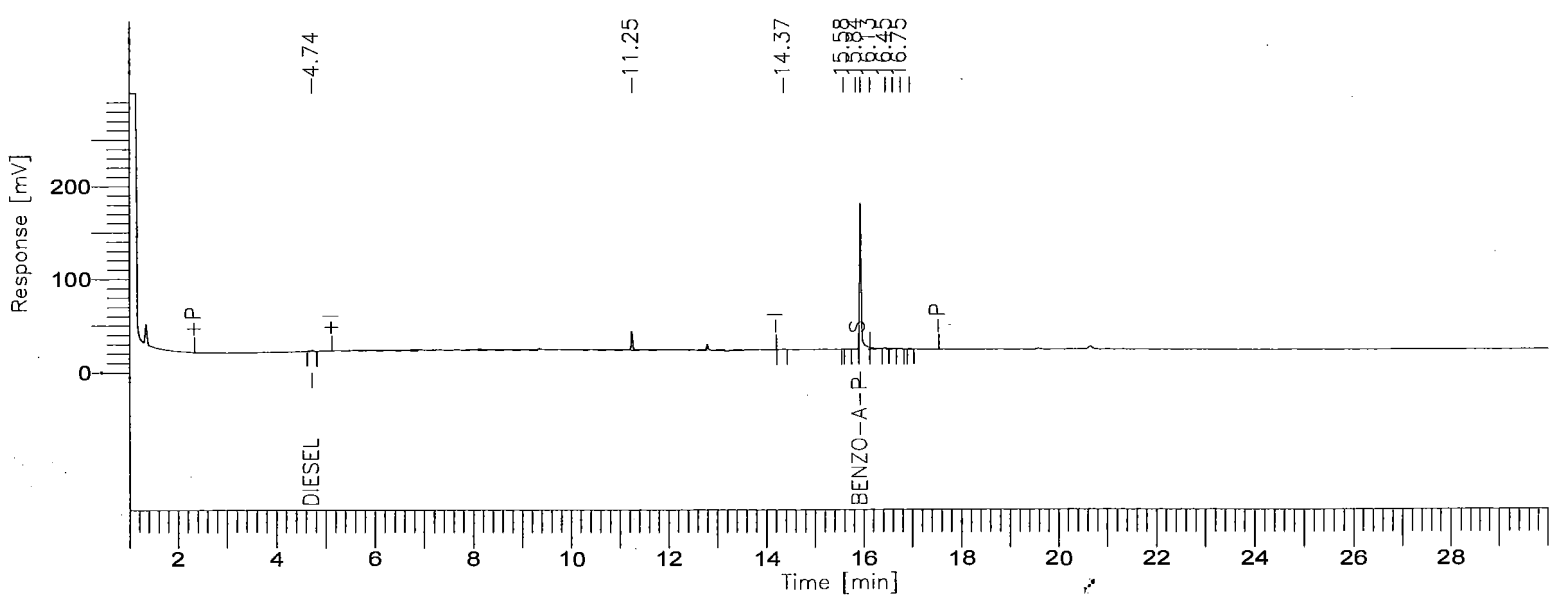
Raw Data File : C:\TC4\DATA_3\O14_066.RAW
Result File : C:\TC4\DATA_3\O14_066.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O14_066.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_3\O14.SEQ

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: 11



8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
4.74	DIESEL	4058	0.1039	-------	10.0	
15.94	BENZO-A-PYRENE	382024	10.7300	85.84	10.0	
		386082	10.8339			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O14_066.TX0

Lot/Sample: E0J040325-033 C-2-72-1 TICs.....: N Report Results: Y
WO#.....: DLJP2-1-02 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: 10/16/00
Inject Time..: 18:35 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O14_067A
Instr ID: G03 Column: RTX-1 ID: .53
Sampling date.....:10/04/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/18 10:04:56
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/05/00
QC Batch.....: 0279537
MS Run Number: 0279258
Prep Time....: 14:00-18:00
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	13.329	106.6384		

Software Version: 4.1<2F12>
Sample Name : 325-33 Time : 10/17/00 12:42 PM
Sample Number: DLJP2102 Study : ICAL 9/30/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 10/16/00 06:35 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

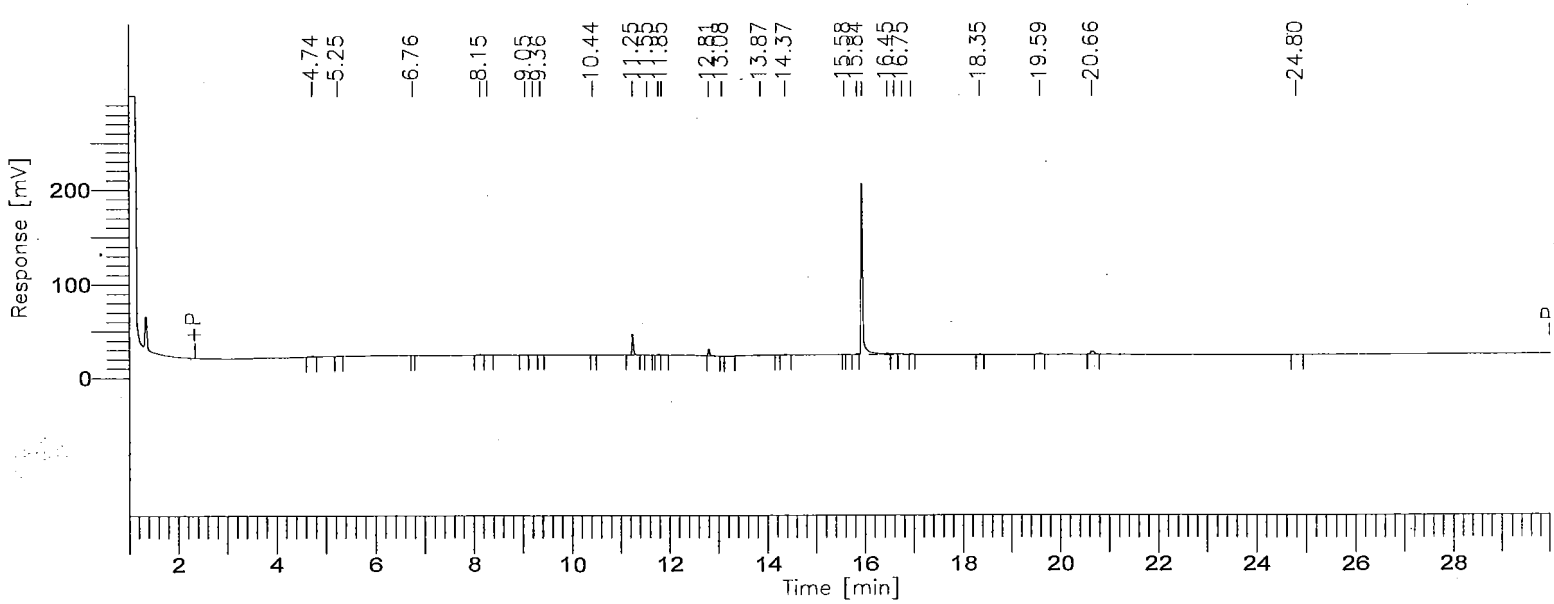
Raw Data File : C:\TC4\DATA_3\O14_067A.RAW
Result File : C:\TC4\DATA_3\O14_067A.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O14_067A.RS
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_3\O14A.SEQ

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)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.75	C8-C9	2987	0.0683	-------	10.0	
6.07	C10-C11	1790	0.0382	-------	10.0	
7.77	C12-C13	3956	0.0795	-------	10.0	
9.18	C14-C15	4823	0.0987	-------	10.0	
10.44	C16-C17	914	0.0188	-------	10.0	
11.58	C18-C19	54317	1.1162	-------	10.0	
13.05	C20-C23	29879	0.3146	-------	10.0	
14.78	C24-C27	2754	0.0317	-------	10.0	
16.36	C28-C31	516177	7.1221	-------	10.0	
18.35	C32-C35	942	0.0177	-------	10.0	
21.82	C36-C39	20642	0.5053	-------	10.0	
27.03	C40+	3024	0.1781	-------	10.0	
		642204	9.5893			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
4.74		2987	0.0007	-------	10.0	
		2987	0.0007			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.25		1132	0.0003	-------	10.0	
6.76		658	0.0002	-------	10.0	
		1790	0.0004			

Group Report For : C12-C13

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

8.15		3309	0.0008	-------	10.0
8.28		647	0.0002	-------	10.0
		3956	0.0010		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.05		738	0.0002	-------	10.0	
9.21		1435	0.0004	-------	10.0	
9.36		2650	0.0007	-------	10.0	
		4823	0.0012			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.43		914	0.0002	-------	10.0	
		914	0.0002			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.25		48493	0.0121	-------	10.0	
11.55		1208	0.0003	-------	10.0	
11.78		2742	0.0007	-------	10.0	
11.85		1874	0.0005	-------	10.0	
		54317	0.0136			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.81		17369	0.0043	-------	10.0	
13.08		1394	0.0003	-------	10.0	
13.87		11116	0.0028	-------	10.0	
		29879	0.0075			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.37		2754	0.0007	-------	10.0	
		2754	0.0007			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.84		2657	0.0007	-------	10.0	
15.94		490014	0.1225	-------	10.0	
16.45		11456	0.0029	-------	10.0	
16.59		5722	0.0014	-------	10.0	
16.75		4762	0.0012	-------	10.0	
16.95		1565	0.0004	-------	10.0	
		516177	0.1290			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
18.35		942	0.0002	-------	10.0	
		942	0.0002			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
19.59		4758	0.0012	-------	10.0	
20.66		15883	0.0040	-------	10.0	
		20642	0.0052			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
24.80		3024	0.0008	-------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
		3024	0.0008			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O14_067A.TX0

Software Version: 4.1<2F12>
Sample Name : 325-33 Time : 10/16/00 07:04 PM
Sample Number: DLJP2102 Study : ICAL 9/27/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 10/16/00 06:35 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

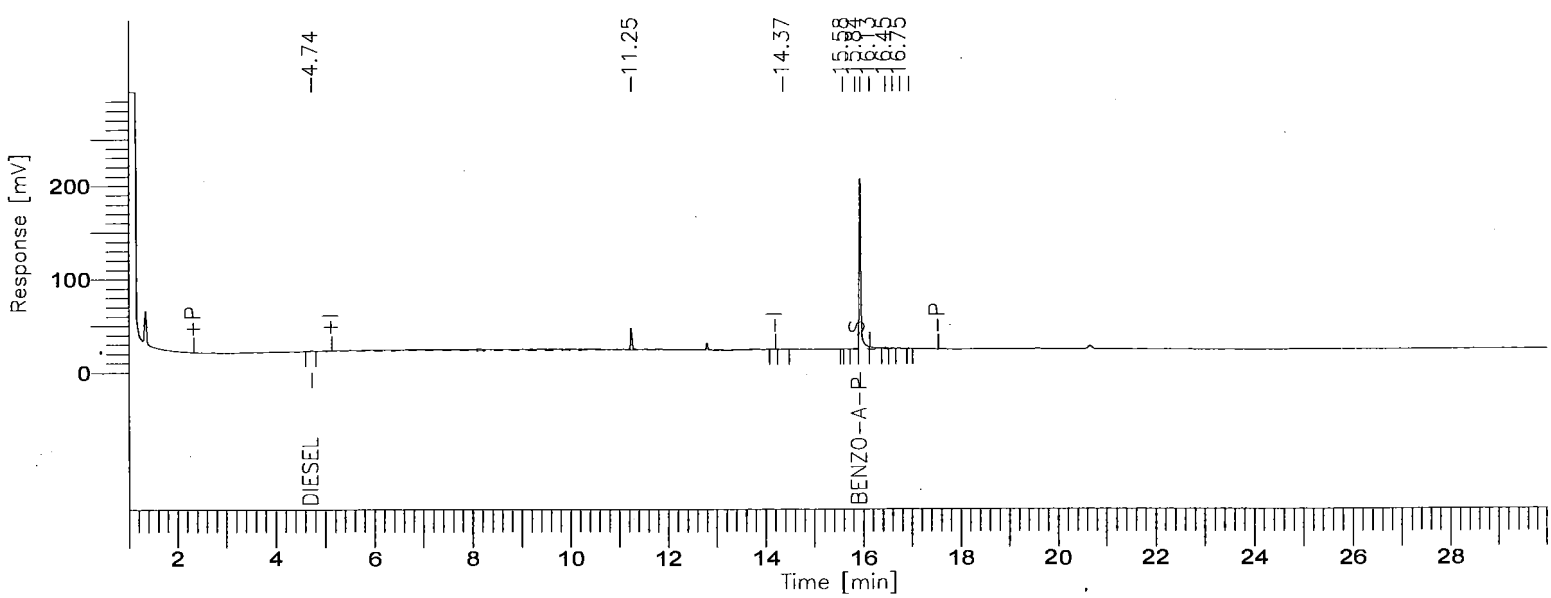
Raw Data File : C:\TC4\DATA_3\O14_067.RAW
Result File : C:\TC4\DATA_3\O14_067.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O14_067.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_3\O14.SEQ

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: 11



8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
4.74	DIESEL	4671	0.1196	-------	10.0	
15.94	BENZO-A-PYRENE	474582	13.3298	106.64	10.0	
		479253	13.4493			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O14_067.TXO

Lot/Sample: E0J040325-034 C-2-72-5 TICs.....: N Report Results: Y
WO#.....: DLJP4-1-02 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: 10/13/00
Inject Time..: 14:53 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O11_072A
Instr ID: G03 Column: RTX-1 ID: .53
Sampling date.....:10/04/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/17 11:53:17
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/05/00
QC Batch.....: 0279537
MS Run Number: 0279258
Prep Time....: 14:00-18:00
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			ND	10	5		
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)	*		NA	10	5		NA

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

(Continued on next page)

Lot/Sample: E0J040325-034 C-2-72-5 TICs.....: N Report Results: Y
WO#.....: DLJP4-1-02 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	12.242	97.9432		

Software Version: 4.1<2F12>
Sample Name : 325-34 Time : 10/17/00 12:22 PM
Sample Number: DLJP4102 Study : ICAL 9/27/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 10/13/00 02:53 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

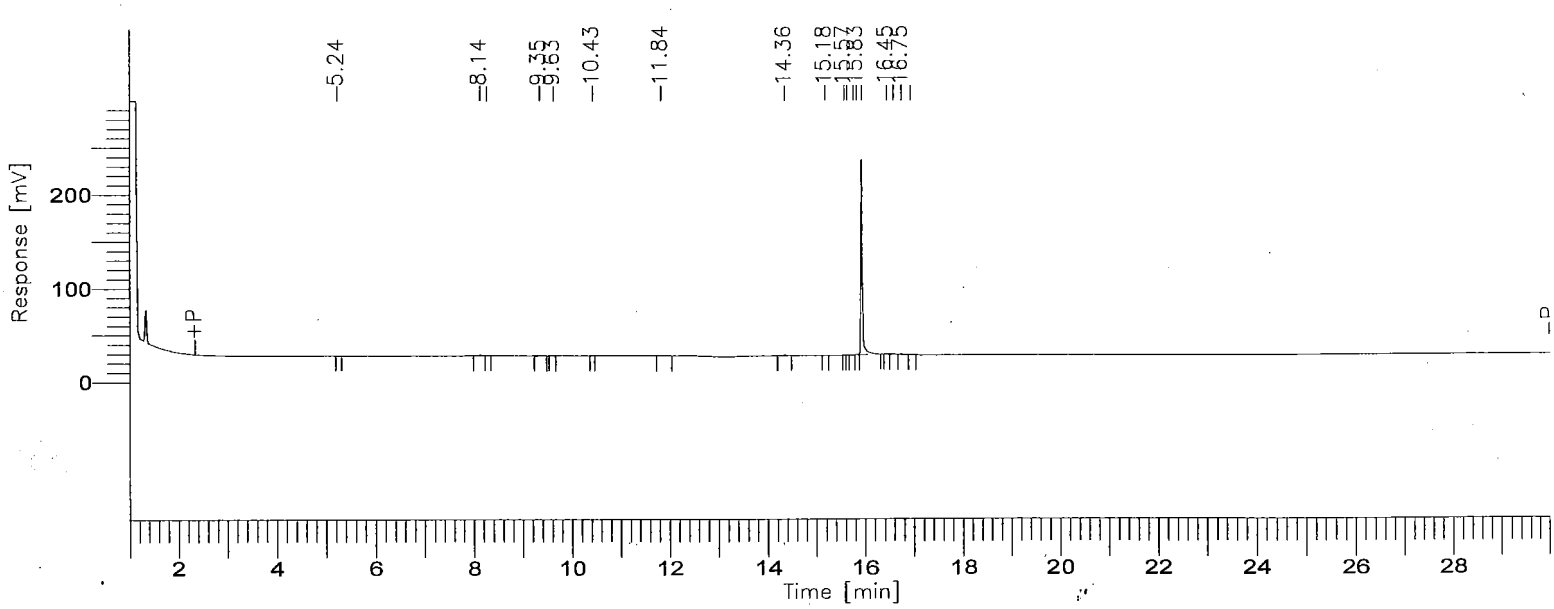
Raw Data File : C:\TC4\DATA_3\O11_072B.RAW
Result File : C:\TC4\DATA_3\O11_072B.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O11_072B.RS
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_3\O11A.SEQ

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



8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.75	C8-C9	0	0.0000	-------	10.0	
6.07	C10-C11	558	0.0119	-------	10.0	
7.77	C12-C13	3909	0.0786	-------	10.0	
9.18	C14-C15	3282	0.0671	-------	10.0	
10.44	C16-C17	581	0.0119	-------	10.0	
11.58	C18-C19	2180	0.0448	-------	10.0	
13.05	C20-C23	0	0.0000	-------	10.0	
14.78	C24-C27	5254	0.0605	-------	10.0	
16.36	C28-C31	458104	6.3208	-------	10.0	
18.35	C32-C35	0	0.0000	-------	10.0	
21.82	C36-C39	0	0.0000	-------	10.0	
27.03	C40+	0	0.0000	-------	10.0	
		473867	6.5957			

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
5.24		558	0.0001	-------	10.0	
		558	0.0001			

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.14		3472	0.0009	-------	10.0	
8.28		436	0.0001	-------	10.0	

	3909	0.0010	

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.35		2790	0.0007	-------	10.0	
9.63		492	0.0001	-------	10.0	
		3282	0.0008			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.43		581	0.0001	-------	10.0	
		581	0.0001			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.84		2180	0.0005	-------	10.0	
		2180	0.0005			

Group Report For : C20-C23

No peaks available to report

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
[illegible]36		3763	0.0009	-------	10.0	
[illegible].18		396	0.0001	-------	10.0	
15.57		1095	0.0003	-------	10.0	
		5254	0.0013			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.63		929	0.0002	-------	10.0	
15.77		286	0.0001	-------	10.0	
15.83		2137	0.0005	-------	10.0	
15.93		447355	0.1118	-------	10.0	
16.45		1643	0.0004	-------	10.0	
16.58		1542	0.0004	-------	10.0	
16.75		2592	0.0006	-------	10.0	
16.94		1621	0.0004	-------	10.0	
		458104	0.1145			

Group Report For : C32-C35

No peaks available to report

Group Report For : C36-C39

No peaks available to report

Group Report For : C40+

No peaks available to report

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O11_072B.TX0

Software Version: 4.1<2F12>
Sample Name : 325-34 Time : 10/13/00 03:23 PM
Sample Number: DLJP4102 Study : ICAL 9/27/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 10/13/00 02:53 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

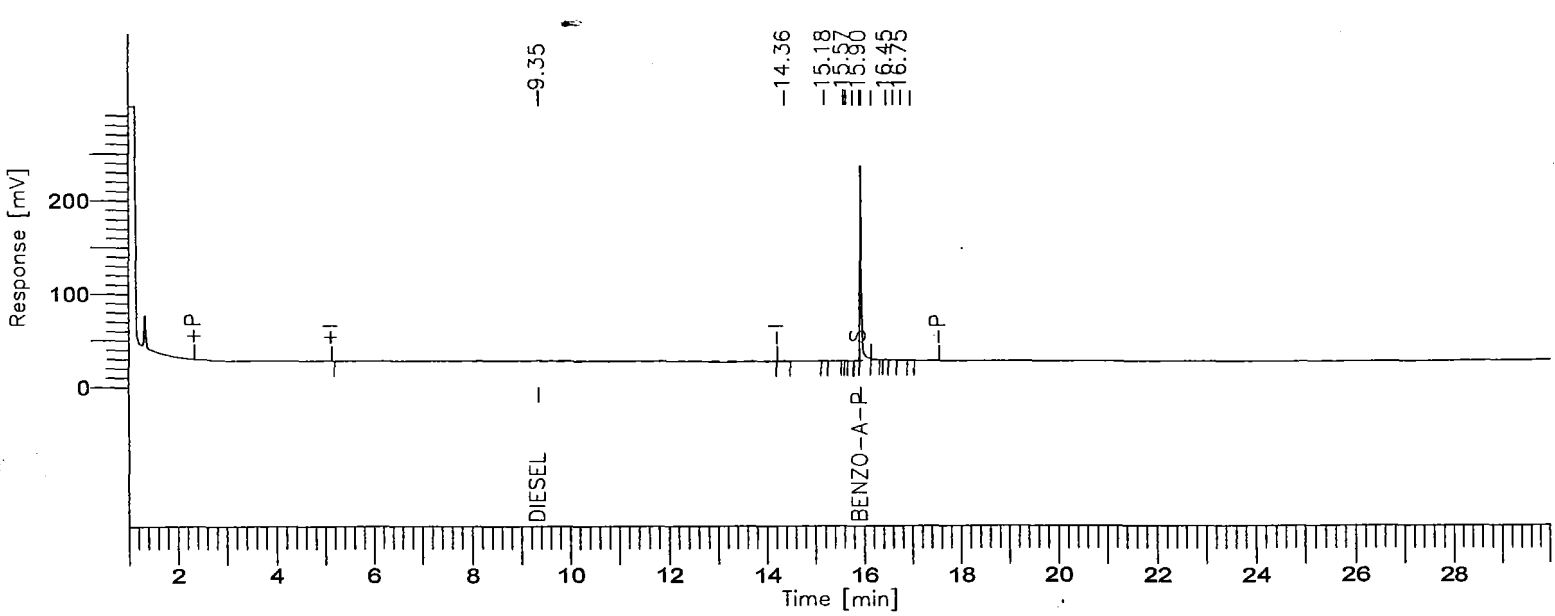
Raw Data File : C:\TC4\DATA_3\O11_072.RAW
Result File : C:\TC4\DATA_3\O11_072.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O11_072.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_3\O11.SEQ

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



8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.35	DIESEL	47602	1.2184	-------	10.0	
15.93	BENZO-A-PYRENE	435886	12.2429	97.94	10.0	
		483488	13.4612			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O11_072.TX0

Lot/Sample: E0J040325-034S C-2-72-5 TICs.....: N Report Results: Y
WO#.....: DLJP4-1-0P 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: 10/13/00
Inject Time..: 15:33 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O11_073
Instr ID: G03 Column: RTX-1 ID: .53
Sampling date.....:10/04/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/05 18:43:13
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/05/00
QC Batch.....: 0279537
MS Run Number: 0279258
Prep Time....: 14:00-14:00
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....: TEPH1564-2DCS/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	225.1966	90.07	2.2		
	Sample amount: NA								
05013	Motor Oil Range Organic			250	NA	0	0		NA
	Sample amount: NA								
03052	TPH (as Diesel)			250	225.1966	90.07	2.2		
	Sample amount: NA								
03053	TPH (as Motor Oil)			250	NA	0	0		NA
	Sample amount: NA								

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	12.802	102.4168		NA

Software Version: 4.1<2F12>
Sample Name : 325-34 MS Time : 10/16/00 05:22 PM
Sample Number: DLJP410PS Study : ICAL 9/27/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 10/13/00 03:33 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

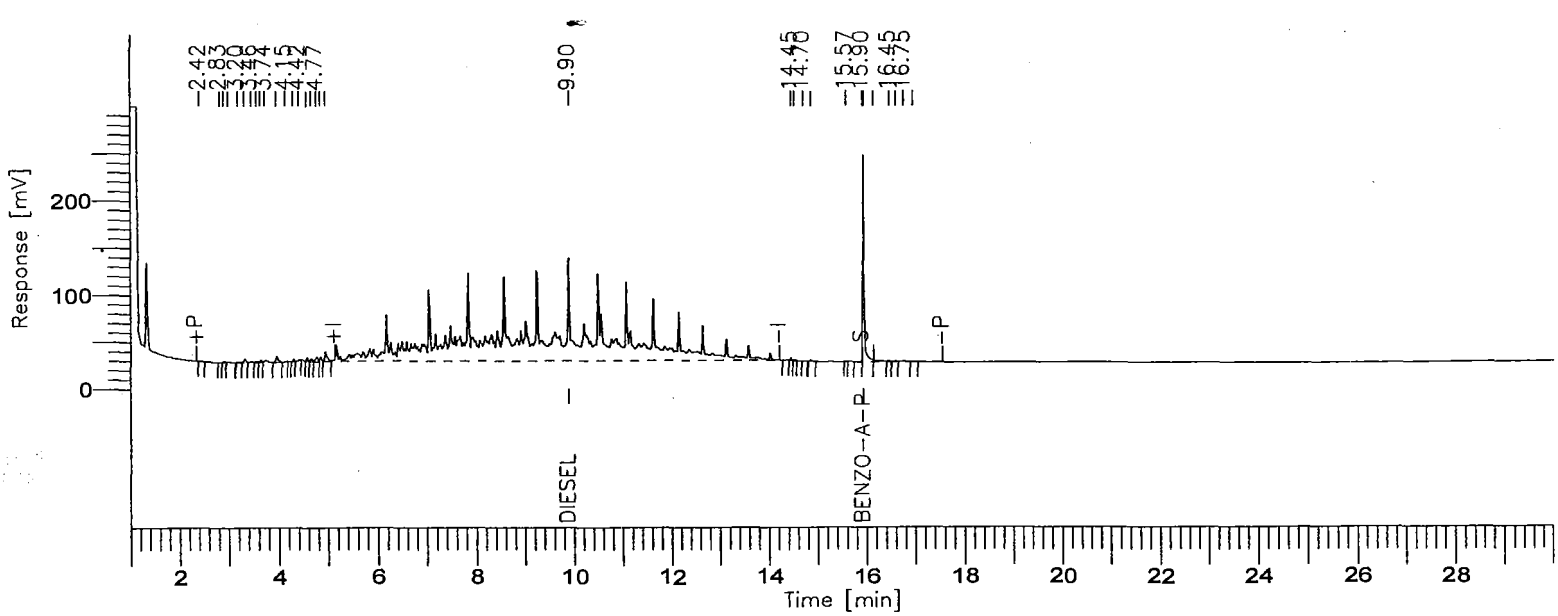
Raw Data File : C:\TC4\DATA_3\O11_073.RAW
Result File : C:\TC4\DATA_3\O11_073.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O11_073.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O11_073.RST
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O11_073.RST
Sequence File : C:\TC4\DATA_3\O11.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



8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% RECOVERY	FN
9.900	DIESEL	8798495	225.1966	250.0000	90.08	
15.934	BENZO-A-PYRENE	455795	12.8021	12.5000	102.42	
		9254290				

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O11_073.TX0

Lot/Sample: E0J040325-034D C-2-72-5 TICs.....: N Report Results: Y
WO#.....: DLJP4-1-0Q 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: 10/13/00
Inject Time..: 16:12 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O11_074
Instr ID: G03 Column: RTX-1 ID: .53
Sampling date.....:10/04/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/05 18:43:14
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/05/00
QC Batch.....: 0279537
MS Run Number: 0279258
Prep Time....: 14:00-14:00
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....: TEPH1564-2DCS/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	220.2787	88.11	2.2		
	Sample amount: NA								
05013	Motor Oil Range Organic			250	NA	0	0		NA
	Sample amount: NA								
03052	TPH (as Diesel)			250	220.2787	88.11	2.2		
	Sample amount: NA								
03053	TPH (as Motor Oil)			250	NA	0	0		NA
	Sample amount: NA								

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	12.116	96.9304		NA

Software Version: 4.1<2F12>
Sample Name : 325-34 MSD Time : 10/13/00 04:42 PM
Sample Number: DLJP410QD Study : ICAL 9/27/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 10/13/00 04:12 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

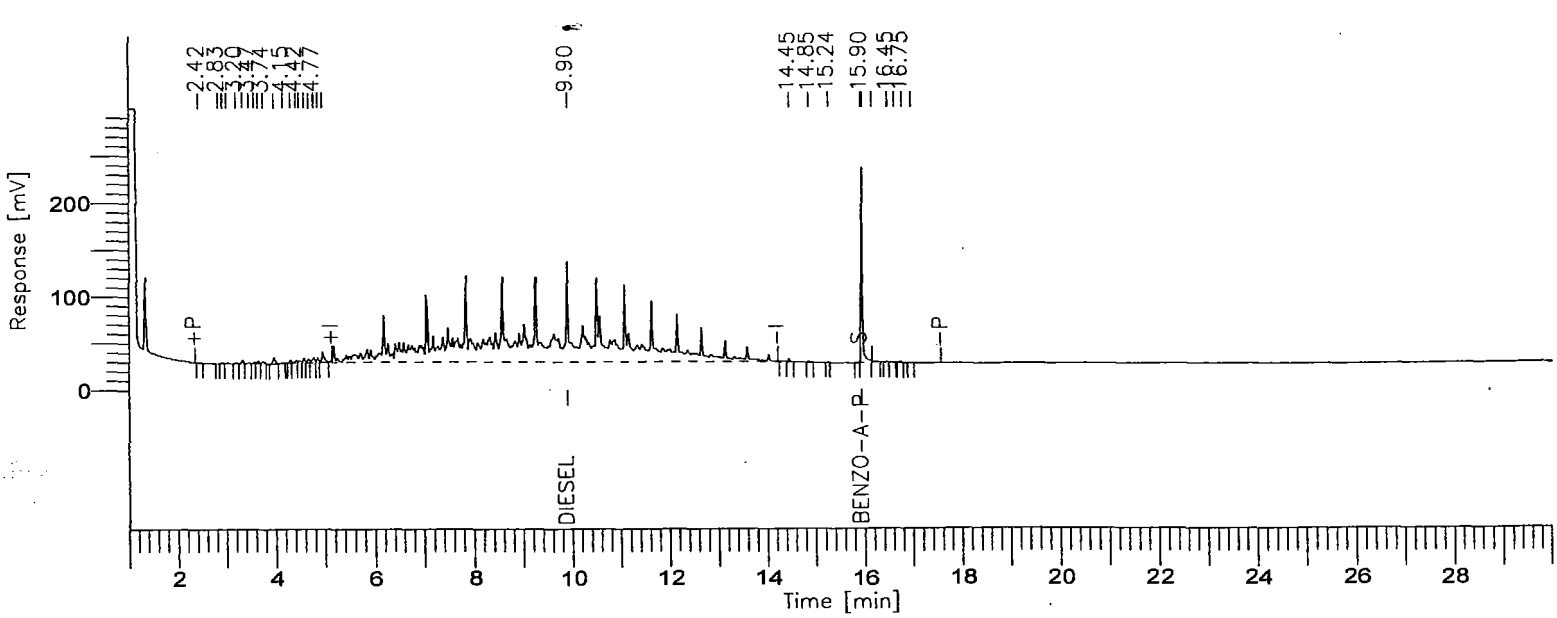
Raw Data File : C:\TC4\DATA_3\O11_074.RAW
Result File : C:\TC4\DATA_3\O11_074.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O11_074.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_3\O11.SEQ

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: 31



001036

8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% RECOVERY	FN
9.900	DIESEL	8606349	220.2787	250.0000	88.11	
15.934	BENZO-A-PYRENE	431379	12.1163	12.5000	96.93	
		9037728				

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O11_074.TX0

Lot/Sample: E0J040325-035 C-2-73-5 TICs.....: N Report Results: Y
WO#.....: DLJP5-1-02 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: 10/16/00
Inject Time..: 19:14 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O14_068A
Instr ID: G03 Column: RTX-1 ID: .53
Sampling date.....:10/04/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/18 10:05:02
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/05/00
QC Batch.....: 0279537
MS Run Number: 0279258
Prep Time....: 14:00-18:00
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	11.072	88.5784		

Software Version: 4.1<2F12>
Sample Name : 325-35 Time : 10/17/00 12:42 PM
Sample Number: DLJP5102 Study : ICAL 9/30/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 10/16/00 07:14 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

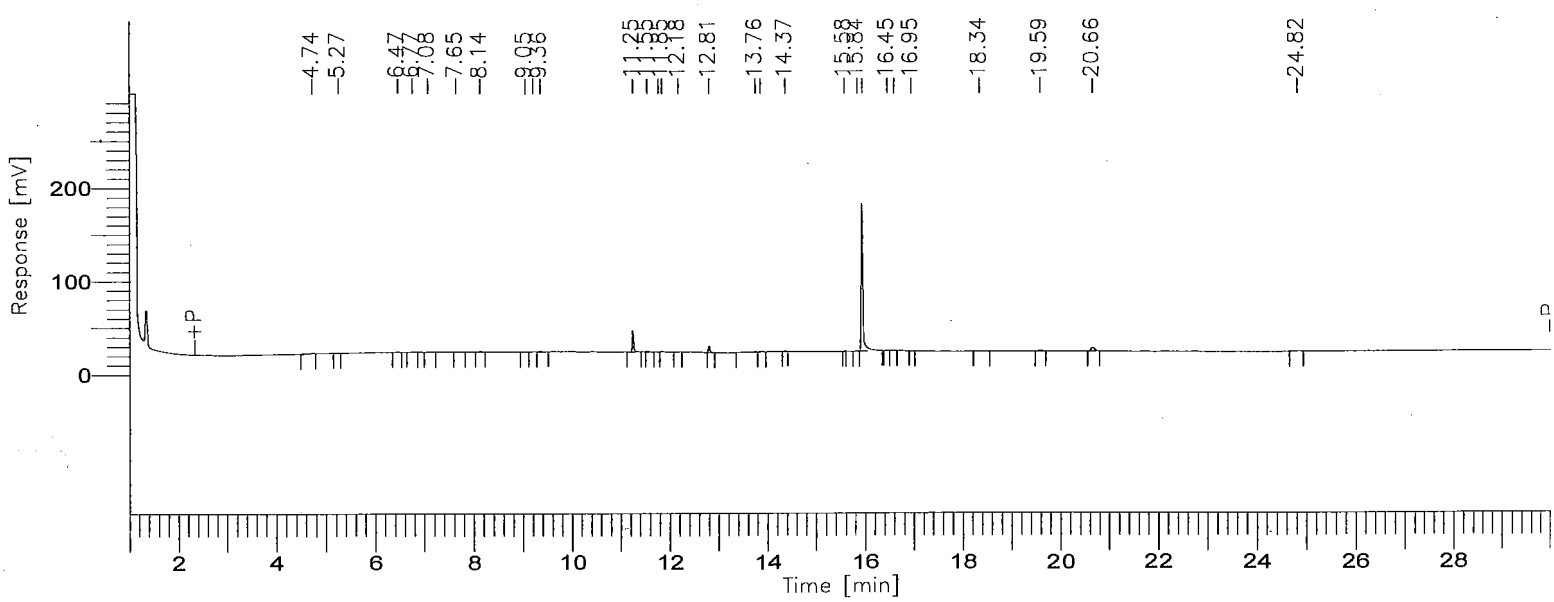
Raw Data File : C:\TC4\DATA_3\O14_068A.RAW
Result File : C:\TC4\DATA_3\O14_068A.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O14_068A.RS
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_3\O14A.SEQ

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: 29



8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.75	C8-C9	2896	0.0663	-------	10.0	
6.07	C10-C11	2004	0.0427	-------	10.0	
7.77	C12-C13	4549	0.0914	-------	10.0	
9.18	C14-C15	4353	0.0891	-------	10.0	
10.44	C16-C17	0	0.0000	-------	10.0	
11.58	C18-C19	50326	1.0342	-------	10.0	
13.05	C20-C23	24827	0.2614	-------	10.0	
14.78	C24-C27	2432	0.0280	-------	10.0	
16.36	C28-C31	409124	5.6450	-------	10.0	
18.35	C32-C35	1393	0.0261	-------	10.0	
21.82	C36-C39	23249	0.5691	-------	10.0	
27.03	C40+	3450	0.2033	-------	10.0	
		528603	8.0567			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
4.74		2896	0.0007	-------	10.0	
		2896	0.0007			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.26		715	0.0002	-------	10.0	
6.47		636	0.0002	-------	10.0	
6.77		652	0.0002	-------	10.0	
		2004	0.0005			

Group Report For : C12-C13

Time	Component	Area	Final Results	% SURR	REP. LIMIT	FN

[min]	Name	[µV·s]	(ppm)	REC	mg/kg
7.08		734	0.0002	-------	10.0
.65		961	0.0002	-------	10.0
8.14		2854	0.0007	-------	10.0
		4549	0.0011		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.05		709	0.0002	-------	10.0	
9.21		848	0.0002	-------	10.0	
9.36		2796	0.0007	-------	10.0	
		4353	0.0011			

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
11.25		45964	0.0115	-------	10.0	
11.55		1469	0.0004	-------	10.0	
11.78		757	0.0002	-------	10.0	
11.84		2136	0.0005	-------	10.0	
		50326	0.0126			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
1 18		880	0.0002	-------	10.0	
12.81		15379	0.0038	-------	10.0	
13.76		5866	0.0015	-------	10.0	
13.86		2702	0.0007	-------	10.0	
		24827	0.0062			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.36		2432	0.0006	-------	10.0	
		2432	0.0006			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.84		1990	0.0005	-------	10.0	
15.94		402798	0.1007	-------	10.0	
16.45		1726	0.0004	-------	10.0	
16.59		1566	0.0004	-------	10.0	
16.95		1044	0.0003	-------	10.0	
		409124	0.1023			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
18.34		1393	0.0003	-------	10.0	
		1393	0.0003			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
19.59		5278	0.0013	-------	10.0	
20.66		17970	0.0045	-------	10.0	
		23249	0.0058			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
24.82		3450	0.0009	-------	10.0	

3450 0.0009

1. Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O14_068A.TX0

Software Version: 4.1<2F12>
Sample Name : 325-35 Time : 10/16/00 07:43 PM
Sample Number: DLJP5102 Study : ICAL 9/27/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 10/16/00 07:14 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

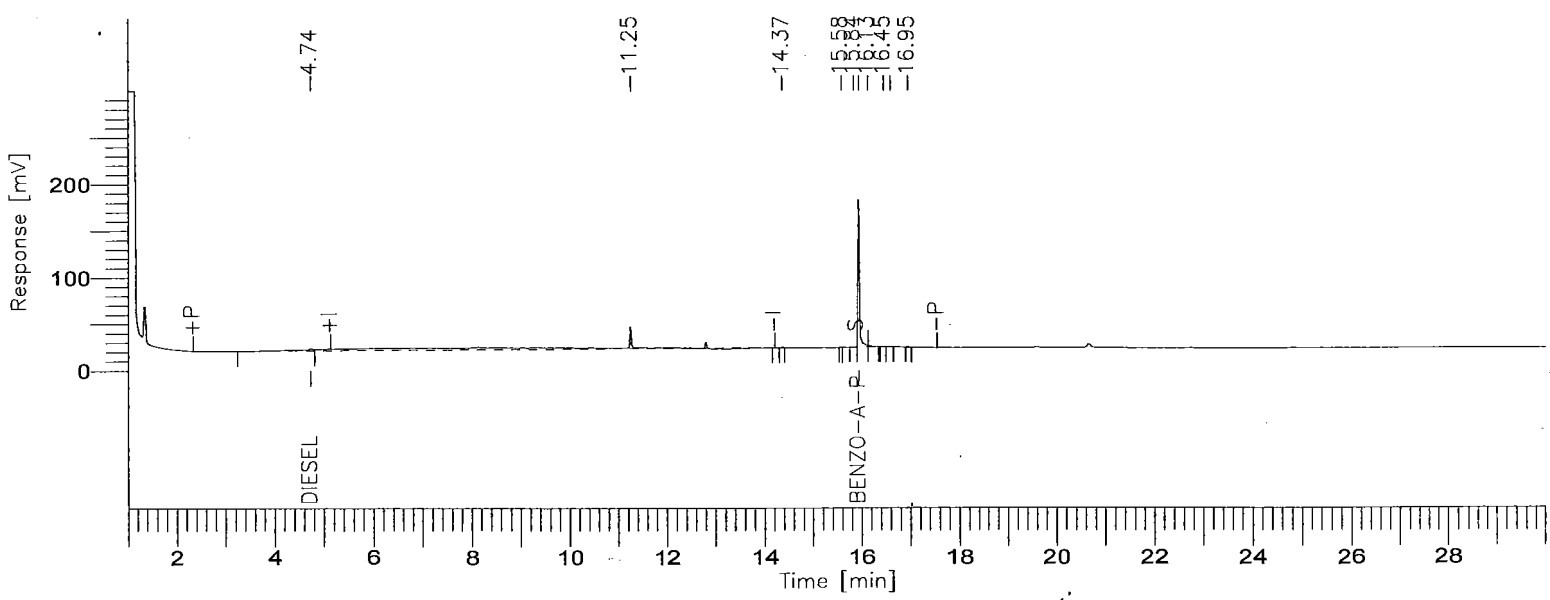
Raw Data File : C:\TC4\DATA_3\O14_068.RAW
Result File : C:\TC4\DATA_3\O14_068.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O14_068.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_3\O14.SEQ

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: 10



8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
4.74	DIESEL	74203	1.8992	-------	10.0	
15.94	BENZO-A-PYRENE	394210	11.0723	88.58	10.0	
		468413	12.9715			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O14_068.TXO

Lot/Sample: E0J040325-037 C-2-74-1 TICs.....: N Report Results: Y
WO#.....: DLJP8-1-02 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: 10/16/00
Inject Time..: 19:53 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O14_069A
Instr ID: G03 Column: RTX-1 ID: .53
Sampling date.....:10/04/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/18 10:05:09
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/05/00
QC Batch.....: 0279537
MS Run Number: 0279258
Prep Time....: 14:00-18:00
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	12.044	96.3552		

Software Version: 4.1<2F12>
Sample Name : 325-37 Time : 10/17/00 12:42 PM
Sample Number: DLJP8102 Study : ICAL 9/30/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 10/16/00 07:53 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

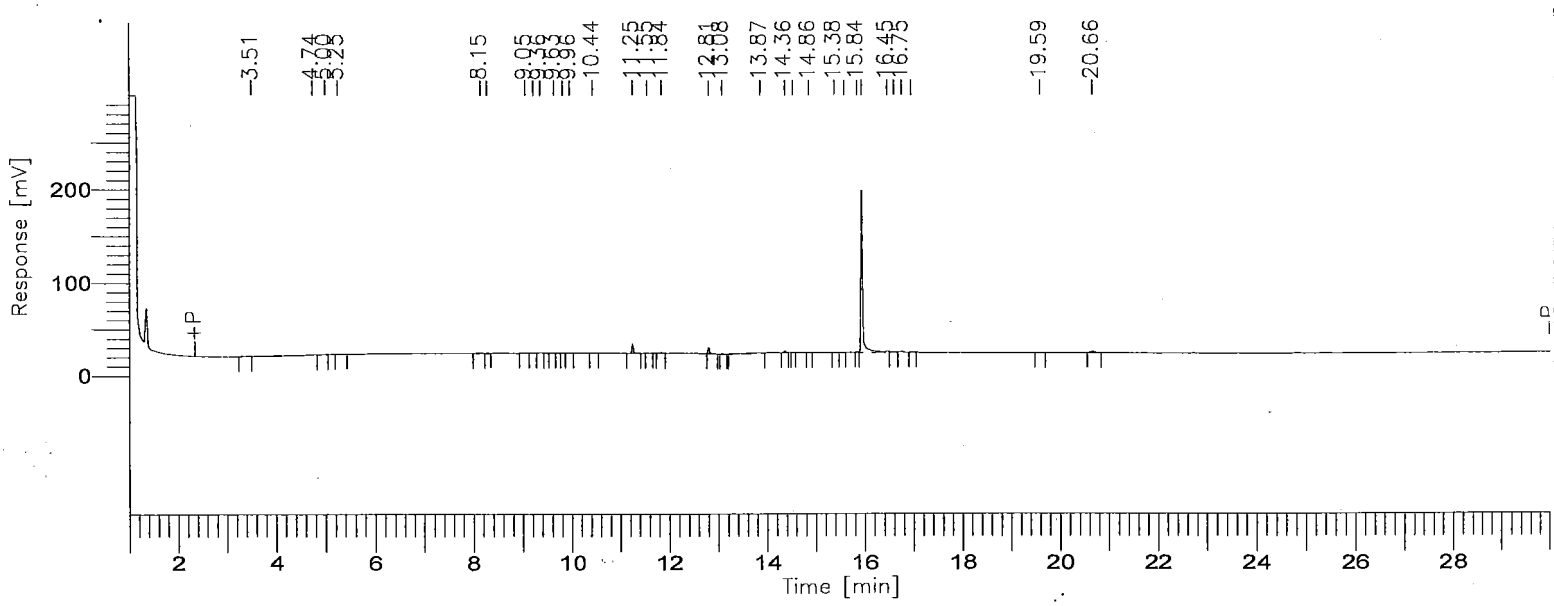
Raw Data File : C:\TC4\DATA_3\O14_069A.RAW
Result File : C:\TC4\DATA_3\O14_069A.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O14_069A.RS
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_3\O14A.SEQ

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



8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.75	C8-C9	6643	0.1520	-------	10.0	
6.07	C10-C11	1135	0.0242	-------	10.0	
7.77	C12-C13	3472	0.0698	-------	10.0	
9.18	C14-C15	5501	0.1125	-------	10.0	
10.44	C16-C17	2616	0.0537	-------	10.0	
11.58	C18-C19	24221	0.4978	-------	10.0	
13.05	C20-C23	27940	0.2942	-------	10.0	
14.78	C24-C27	8834	0.1017	-------	10.0	
16.36	C28-C31	469321	6.4756	-------	10.0	
18.35	C32-C35	0	0.0000	-------	10.0	
21.82	C36-C39	7712	0.1888	-------	10.0	
27.03	C40+	0	0.0000	-------	10.0	
		557393	7.9703			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.51		1641	0.0004	-------	10.0	
4.74		4004	0.0010	-------	10.0	
5.00		997	0.0002	-------	10.0	
		6643	0.0017			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.25		1135	0.0003	-------	10.0	
		1135	0.0003			

Group Report For : C12-C13

Time	Component	Area	Final Results	% SURR	REP. LIMIT	FN

[min]	Name	[µV·s]	(ppm)	REC	mg/kg
[illegible] 15		3083	0.0008	-------	10.0
[illegible].28		388	0.0001	-------	10.0
		3472	0.0009		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.05		736	0.0002	-------	10.0	
9.22		969	0.0002	-------	10.0	
9.36		2562	0.0006	-------	10.0	
9.63		647	0.0002	-------	10.0	
9.81		587	0.0001	-------	10.0	
		5501	0.0014			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.96		1643	0.0004	-------	10.0	
10.44		972	0.0002	-------	10.0	
		2616	0.0007			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.25		21004	0.0053	-------	10.0	
11.55		688	0.0002	-------	10.0	
11.84		2528	0.0006	-------	10.0	
		24221	0.0061			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.81		15002	0.0038	-------	10.0	
13.08		1467	0.0004	-------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
[illegible].87		11471	0.0029	-------	10.0	
		27940	0.0070			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.36		3806	0.0010	-------	10.0	
14.53		1669	0.0004	-------	10.0	
14.86		536	0.0001	-------	10.0	
15.38		2190	0.0005	-------	10.0	
15.58		632	0.0002	-------	10.0	
		8834	0.0022			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.83		2179	0.0005	-------	10.0	
15.94		443327	0.1108	-------	10.0	
16.45		10346	0.0026	-------	10.0	
16.59		6114	0.0015	-------	10.0	
16.75		5563	0.0014	-------	10.0	
16.95		1792	0.0004	-------	10.0	
		469321	0.1173			

Group Report For : C32-C35

No peaks available to report

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
19.59		1148	0.0003	-------	10.0	
20.66		6564	0.0016	-------	10.0	

7712 0.0019

Group Report For : C40+

No peaks available to report

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O14_069A.TX0

Software Version: 4.1<2F12>
Sample Name : 325-37 Time : 10/16/00 08:22 PM
Sample Number: DLJP8102 Study : ICAL 9/27/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 10/16/00 07:53 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

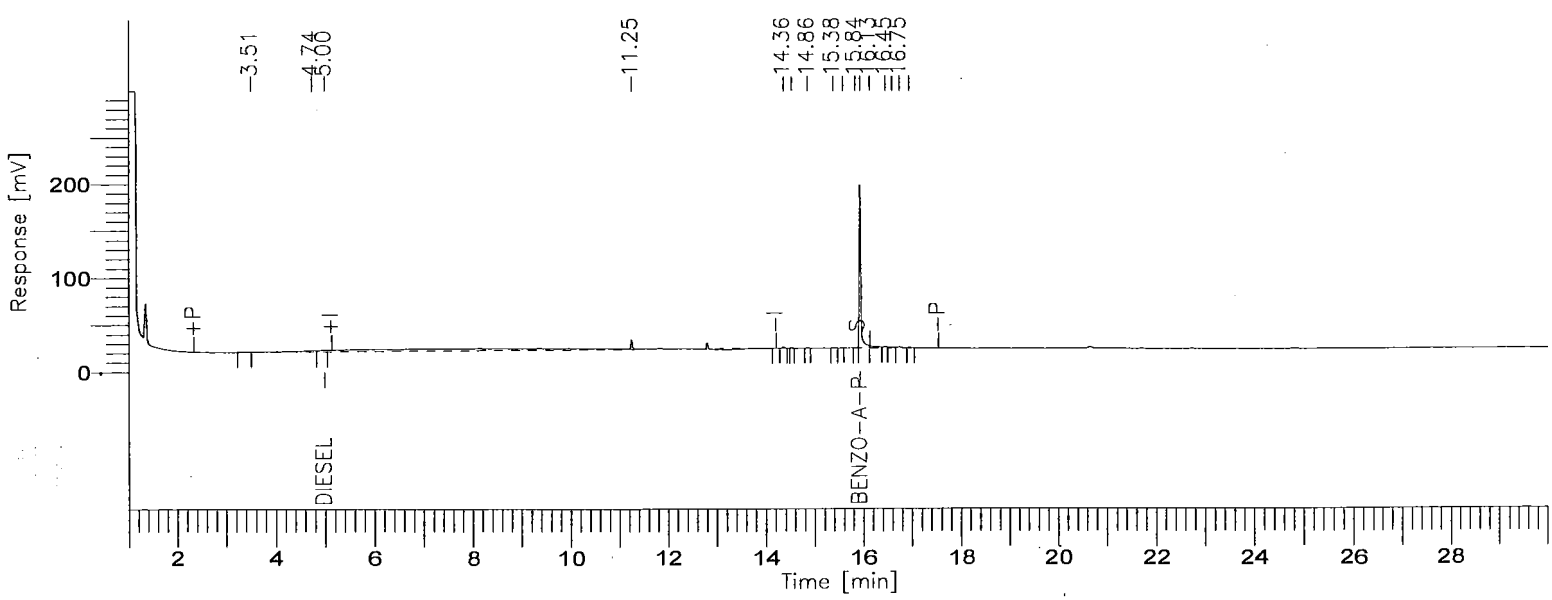
Raw Data File : C:\TC4\DATA_3\O14_069.RAW
Result File : C:\TC4\DATA_3\O14_069.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O14_069.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_3\O14.SEQ

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



001052

BOE-C6-0169416

8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.00	DIESEL	21412	0.5480	-------	10.0	
15.94	BENZO-A-PYRENE	428817	12.0444	96.35	10.0	
		450229	12.5924			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O14_069.TX0

Lot/Sample: E0J040325-038 C-2-74-5 TICs.....: N Report Results: Y
WO#.....: DLJP9-1-02 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: 10/16/00
Inject Time..: 20:32 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O14_070A
Instr ID: G03 Column: RTX-1 ID: .53
Sampling date.....:10/04/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/18 10:05:15
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/05/00
QC Batch.....: 0279537
MS Run Number: 0279258
Prep Time....: 14:00-18:00
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	10.635	85.0832		

Software Version: 4.1<2F12>
Sample Name : 325-38 Time : 10/17/00 12:42 PM
Sample Number: DLJP9102 Study : ICAL 9/30/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 10/16/00 08:32 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

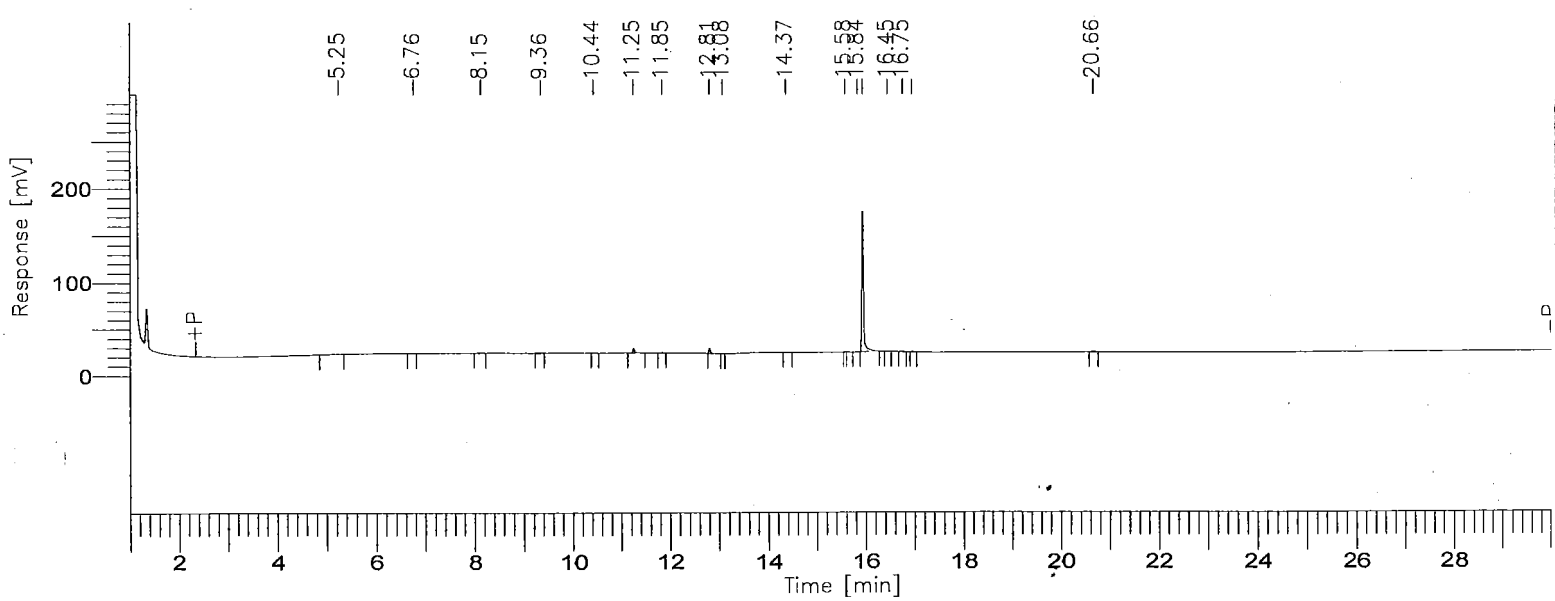
Raw Data File : C:\TC4\DATA_3\O14_070A.RAW
Result File : C:\TC4\DATA_3\O14_070A.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O14_070A.RS
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_3\O14A.SEQ

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



001055

8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.75	C8-C9	0	0.0000	-------	10.0	
6.07	C10-C11	3784	0.0807	-------	10.0	
7.77	C12-C13	2841	0.0571	-------	10.0	
9.18	C14-C15	2328	0.0476	-------	10.0	
10.44	C16-C17	706	0.0145	-------	10.0	
11.58	C18-C19	12693	0.2608	-------	10.0	
13.05	C20-C23	13978	0.1472	-------	10.0	
14.78	C24-C27	2652	0.0305	-------	10.0	
16.36	C28-C31	391426	5.4008	-------	10.0	
18.35	C32-C35	0	0.0000	-------	10.0	
21.82	C36-C39	2352	0.0576	-------	10.0	
27.03	C40+	0	0.0000	-------	10.0	
		432760	6.0969			

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
5.25		3188	0.0008	-------	10.0	
6.76		596	0.0001	-------	10.0	
		3784	0.0009			

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.15		2841	0.0007	-------	10.0	

	2841	0.0007

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.36		2328	0.0006	-------	10.0	
		2328	0.0006			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.44		706	0.0002	-------	10.0	
		706	0.0002			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.25		11472	0.0029	-------	10.0	
11.85		1221	0.0003	-------	10.0	
		12693	0.0032			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.81		12963	0.0032	-------	10.0	
13.08		1015	0.0003	-------	10.0	
		13978	0.0035			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.36		2652	0.0007	-------	10.0	

2652	0.0007	

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.84		1892	0.0005	-------	10.0	
15.94		384606	0.0962	-------	10.0	
16.45		1736	0.0004	-------	10.0	
16.75		1862	0.0005	-------	10.0	
16.95		1329	0.0003	-------	10.0	
		391426	0.0979			

Group Report For : C32-C35

No peaks available to report

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
20.66		2352	0.0006	-------	10.0	
		2352	0.0006			

Group Report For : C40+

No peaks available to report

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

SAL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O14_070A.TXO

Software Version: 4.1<2F12>
Sample Name : 325-38 Time : 10/16/00 09:01 PM
Sample Number: DLJP9102 Study : ICAL 9/27/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 10/16/00 08:32 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

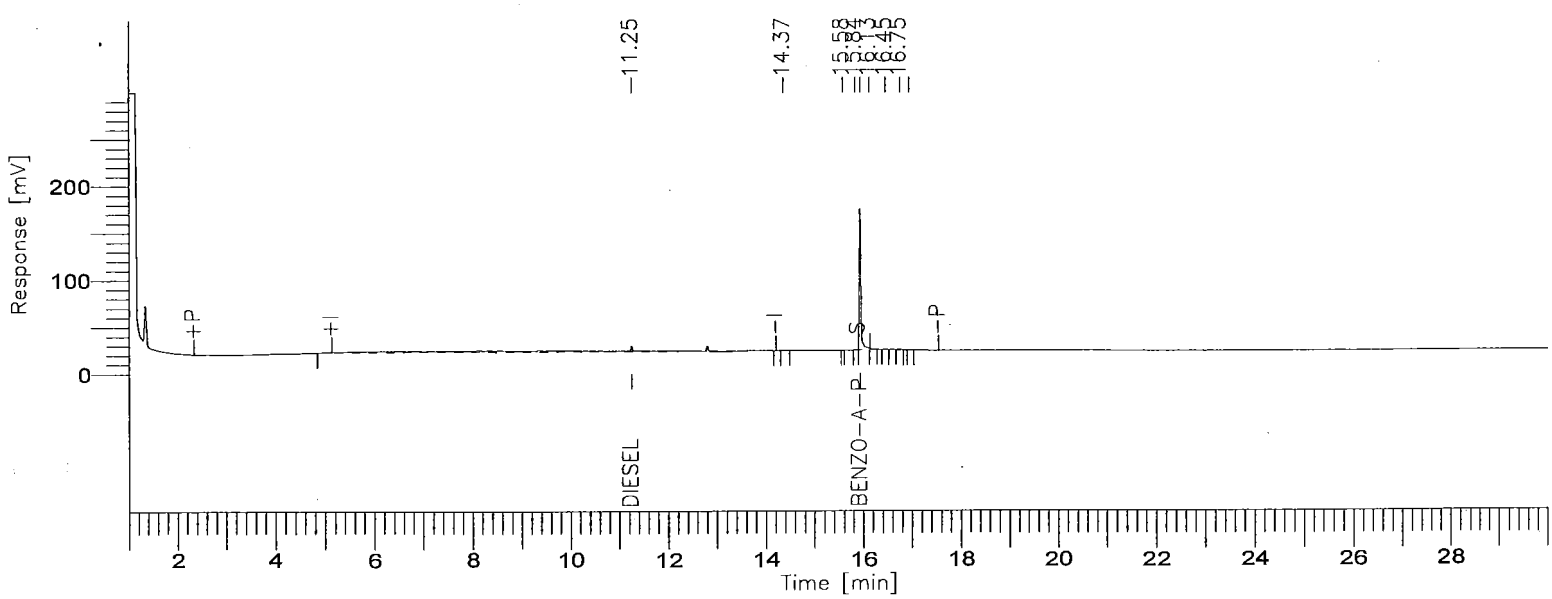
Raw Data File : C:\TC4\DATA_3\O14_070.RAW
Result File : C:\TC4\DATA_3\O14_070.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O14_070.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_3\O14.SEQ

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: 9



8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.25	DIESEL	384342	9.8372	-------	10.0	
15.94	BENZO-A-PYRENE	378655	10.6354	85.08	10.0	
		762998	20.4726			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O14_070.TXO

INITIAL CALIBRATION DATA

Date Analyzed: 9-27-00

Instrument ID: GC3

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

BOE-C6-0169425

Turbochrom Method File : C:\TC4\DATA_3\METHODS\DBC10C24.MTH
Created by : ELVIE on : 2/17/00 02:19 PM
Edited by : LB on : 9/27/00 05:51 PM
Description :

Number of Times Edited : 51
Number of Times Calibrated : 514

GC03 Diesel $C_{10} \rightarrow C_{24}$

DBC10C24.Mth.
092700

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 0.170
Event #2 - +P at 2.350
Event #3 - +I at 5.158
Event #4 - -I at 14.210
Event #5 - S at 15.934
Event #6 - S at 16.137
Event #7 - -P at 17.550

Annotated Replot Parameters :
No replot will be printed

Report Format files :
No report format files given

User Programs :
User Program #1 : C:\WINDOWS\SYSTEM\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

BOE-C6-0169427

Unknown peaks will be quantitated using a response factor of 1.000000e+06

Component Information :

DIESEL

Component Type : Single Peak Component
Retention Time : 7.883 min Search Window: 27.00 s, 48.00 %
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	376467.00	4592.08	----------	----------	1
2	100.0000	1058613.00	11412.27	----------	----------	1
3	1000.0000	9779947.98	99682.65	----------	----------	1
4	2000.0000	19697106.00	204974.69	----------	----------	1
5	5000.0000	46057727.00	448654.89	----------	----------	1

Average Calibration Factor = 9767.570275 (%RSD = 5.40) ok

BENZO-A-PYRENE

Component Type : Single Peak Component
Retention Time : 15.984 min Search Window: 3.00 s, 1.00 %
Reference Component:
Find peak closest to expected RT 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	91491.00	44358.00	----------	----------	1
2	25.0000	224787.40	108330.68	----------	----------	1
3	50.0000	412742.00	199872.21	----------	----------	1
4	80.0000	710063.78	342822.08	----------	----------	1
5	100.0000	923275.14	424010.92	----------	----------	1

Average Calibration Factor = 8900.796942 (%RSD = 4.34) ok

Software Version: 4.1<2F12>
Sample Name : #TEPH00-129 SECOND SOURCE DIESEL STD Time : 9/27/00 05:51 PM
Sample Number: 1000 PPM Study : ICAL 9/~~26~~/00
Operator : 27 9-27-00

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 9/27/00 04:48 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

Second source - good 9-27-00
From Ext. lab diesel
Stock # 1560-2

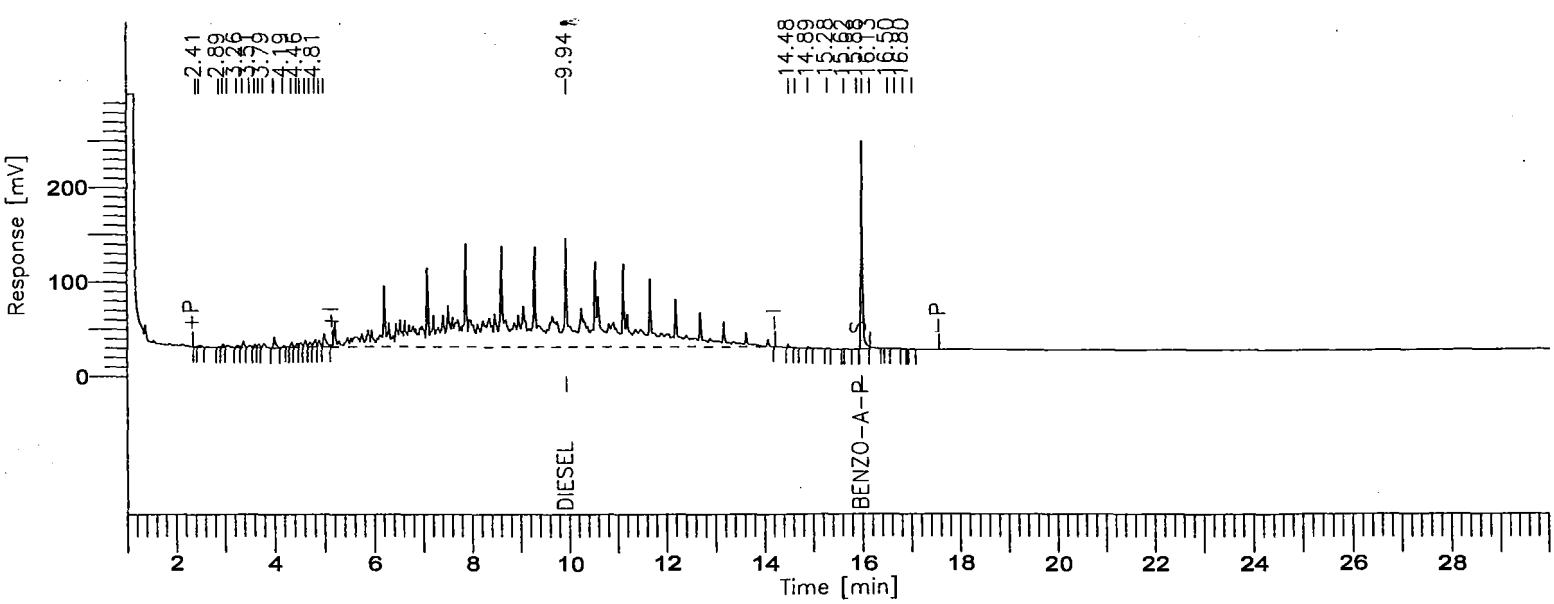
Raw Data File : C:\TC4\DATA_3\927_038.RAW
Result File : C:\TC4\DATA_3\927_038.RST
Source: Union 76, Edinger, Sta Ana
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\927_038.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\927_038.RST
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\927_038.RST
Sequence File : C:\TC4\DATA_3\927.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: 34



001065

8015B(TEPH)

GC03/FID:RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
2.412		1570	0.0016	------	----------
2.486		7178	0.0072	------	----------
2.890		1791	0.0018	------	----------
2.970		11269	0.0113	------	----------
3.056		9838	0.0098	------	----------
3.256		9651	0.0097	------	----------
3.381		18797	0.0188	------	----------
3.513		10092	0.0101	------	----------
3.616		10177	0.0102	------	----------
3.697		11924	0.0119	------	----------
3.790		19249	0.0192	------	----------
4.003		37444	0.0374	------	----------
4.191		6252	0.0063	------	----------
4.348		14655	0.0147	------	----------
4.456		15245	0.0152	------	----------
4.519		15954	0.0160	------	----------
4.616		21614	0.0216	------	----------
4.703		17634	0.0176	------	----------
4.814		26844	0.0268	------	----------
4.893		19660	0.0197	------	----------
4.991		52546	0.0525	------	----------
9.935	DIESEL	9629543	998.7155	1000.0	-0.13
14.484		7770	0.0078	------	----------
14.632		680	0.0007	------	----------
14.888		3166	0.0032	------	----------
15.281		1097	0.0011	------	----------
15.619		460	0.0005	------	----------
15.877		2027	0.0020	------	----------
15.983	BENZO-A-PYRENE	452185	50.8028	50.0	1.61
16.133		10169	0.0102	------	----------
16.497		1640	0.0016	------	----------
16.639		1840	0.0018	------	----------
16.802		1434	0.0014	------	----------
16.997		1378	0.0014	------	----------
		10452774	1049.8893		

Missing Component Report

Component	Expected Retention (Calibration File)

Software Version: 4.1<2F12>
Date: 9/27/00 05:43 PM
Sample Name : #TEPH00-98 DIESEL STD
Data File : C:\TC4\DATA_3\927_033.RAW Date: 9/27/00 01:32 PM
Sequence File: C:\TC4\DATA_3\927.SEQ Cycle: 33 Channel : A
Instrument : GC/FID-03 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

Updating method : C:\TC4\DATA_3\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	7.883	40.00000	376467.000000	9411.675000	0.01	5	------	------	1	0
BENZO-A-PYRENE	15.984	10.00000	91491.000000	9149.100000	0.01	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	0.000000	10098.582796	----------	----------	--------	9
BENZO-A-PYRENE	0.000000	8947.223353	----------	----------	--------	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 Time : 9/27/00 05:43 PM
Sample Number: 40 PPM Study : ICAL 9/~~26~~/00
Operator : 21 9-27-00

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 9/27/00 01:32 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

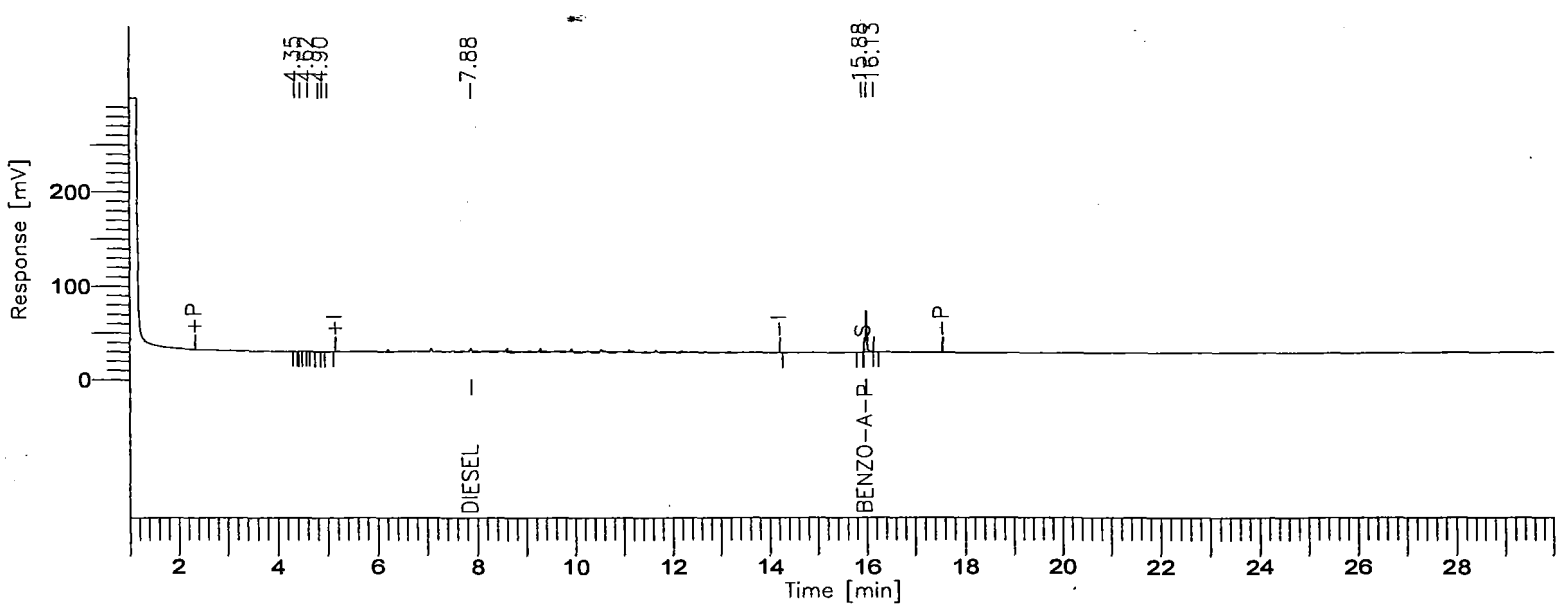
Raw Data File : C:\TC4\DATA_3\927_033.RAW
Result File : C:\TC4\DATA_3\927_033.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\927_033.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_3\927.SEQ

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:

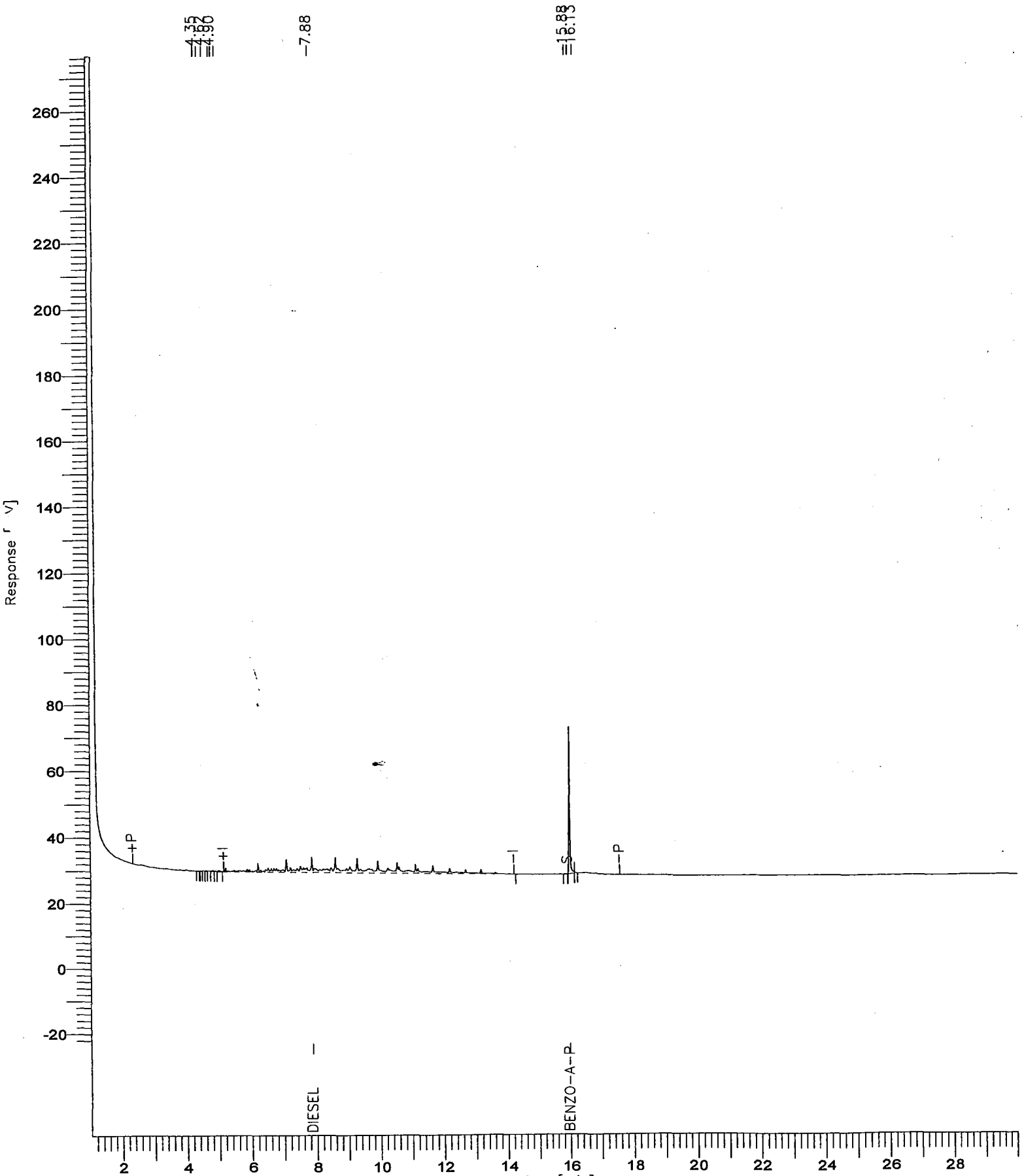
Total number of peaks detected: 10



Chromatogram

Sample Name : #TEPH00-98 DIESEL STD
FileName : C:\TC4\DATA_3\927_033.RAW
Method :
S Time : 1.02 min End Time : 30.00 min
S. Factor: 0.0 Plot Offset: -23 mV

Sample #: 40 PPM
Date : 9/27/00 05:45 PM
Time of Injection: 9/27/00 01:32 PM
Low Point : -23.30 mV High Point : 276.70 mV
Plot Scale: 300.0 mV



001069

8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.88	DIESEL	376467	37.2792	-------	10.0	
15.98	BENZO-A-PYRENE	91491	10.2256	81.81	10.0	
		467958	47.5048			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\927_033.TX0

Software Version: 4.1<2F12>
Date: 9/27/00 05:43 PM
Sample Name : #TEPH00-99 DIESEL STD
Data File : C:\TC4\DATA_3\927_034.RAW Date: 9/27/00 02:12 PM
Sequence File: C:\TC4\DATA_3\927.SEQ Cycle: 34 Channel : A
Instrument : GC/FID-03 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

Updating method : C:\TC4\DATA_3\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	7.883	100.00000	1058613.000000	10586.130000	0.01	5	------	------	1	0
BENZO-A-PYRENE	15.984	25.00000	224787.400000	8991.496000	0.01	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	0.000000	9987.160885	----------	----------	--------	9
BENZO-A-PYRENE	0.000000	8922.225826	----------	----------	--------	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 : 9/27/00 05:43 PM
Sample Number: 100 PPM Study : ICAL 9/~~26~~/00
Operator : 27 9-27-00

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 9/27/00 02:12 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

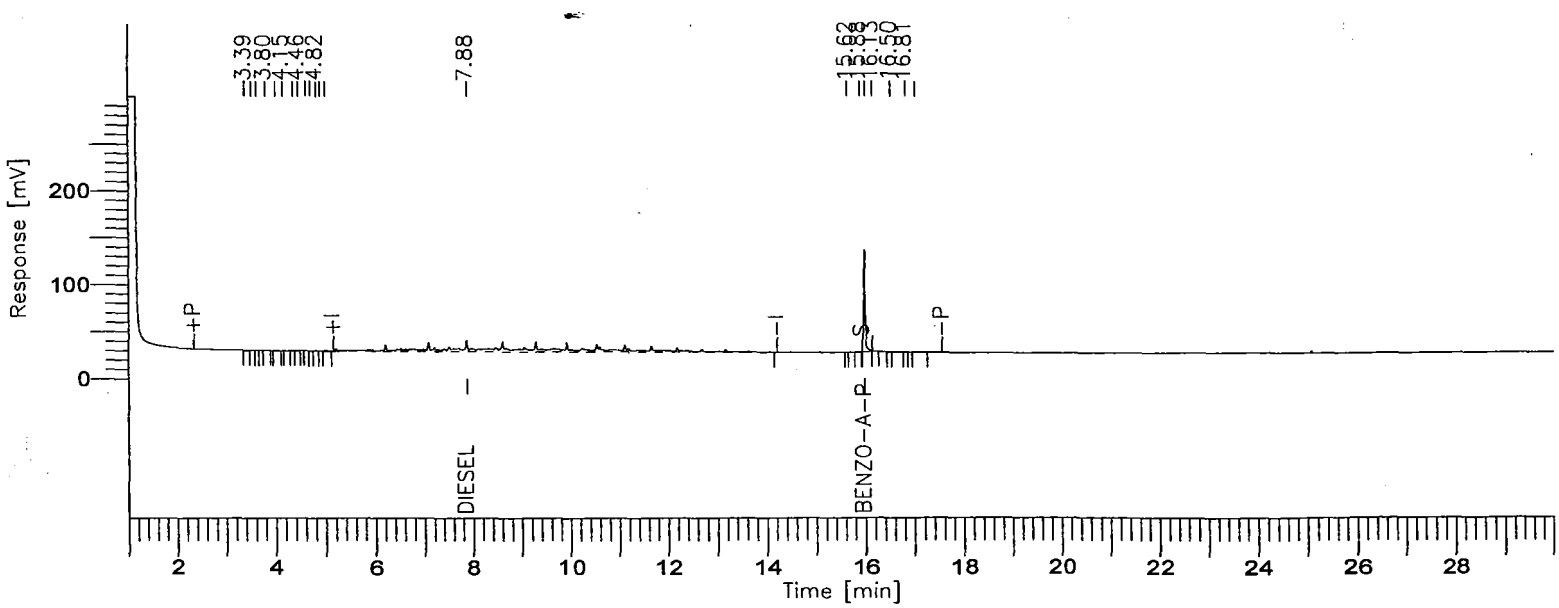
Raw Data File : C:\TC4\DATA_3\927_034.RAW
Result File : C:\TC4\DATA_3\927_034.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\927_034.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_3\927.SEQ

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: 21



001072

BOE-C6-0169436

8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.88	DIESEL	1058613	105.9974	-------	10.0	
15.98	BENZO-A-PYRENE	224787	25.1941	201.55	10.0	
		1283400	131.1915			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\927_034.TX0

Software Version: 4.1<2F12>
Date: 9/27/00 05:43 PM
Sample Name : #TEPH00-160 DIESEL STD
Data File : C:\TC4\DATA_3\927_035.RAW Date: 9/27/00 02:51 PM
Sequence File: C:\TC4\DATA_3\927.SEQ Cycle: 35 Channel : A
Instrument : GC/FID-03 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

Updating method : C:\TC4\DATA_3\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	7.883	1000.00000	9779947.977236	9779.947977	0.01	5	------	------	1	0
BENZO-A-PYRENE	15.984	50.00000	412742.000000	8254.840000	0.01	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	0.000000	9903.265314	----------	----------	--------	9
BENZO-A-PYRENE	0.000000	8913.770869	----------	----------	--------	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 : #TEPH00-160 DIESEL STD Time : 9/27/00 05:43 PM
Sample Number: 1000 PPM Study : ICAL 9/~~26~~/00
Operator : 27 9-27-00 EC

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 9/27/00 02:51 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

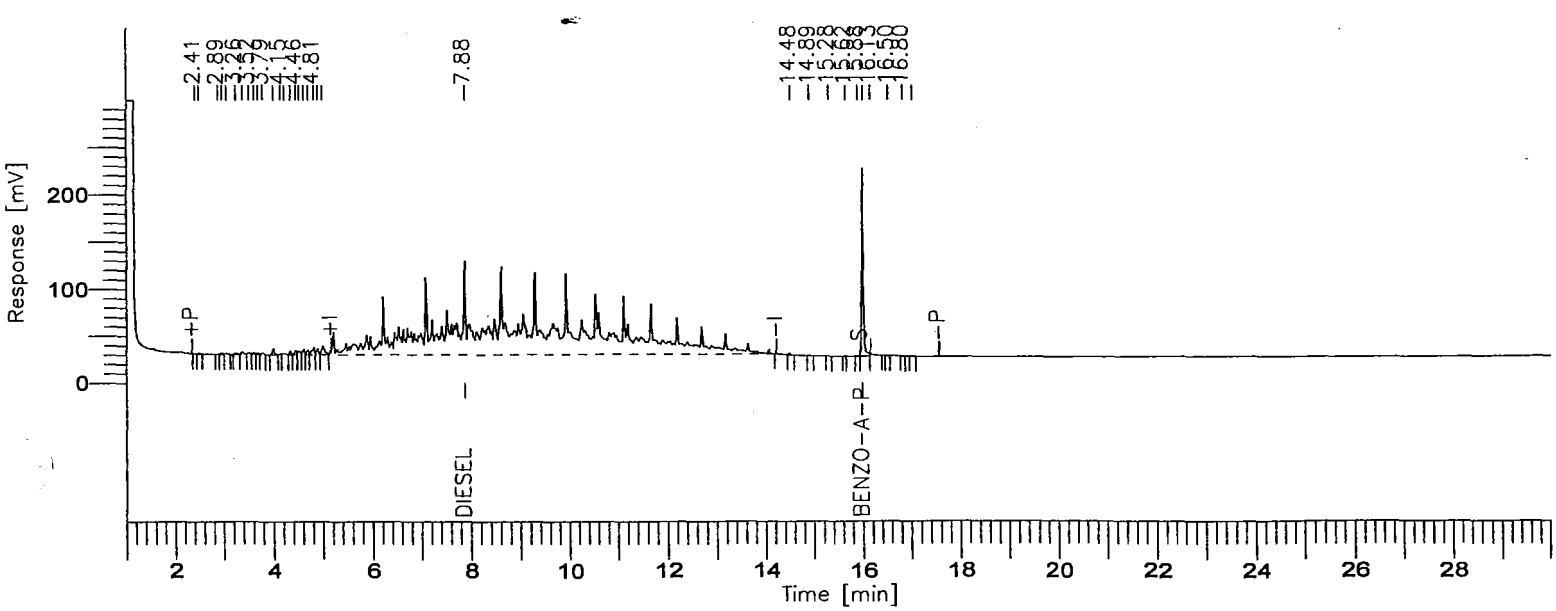
Raw Data File : C:\TC4\DATA_3\927_035.RAW
Result File : C:\TC4\DATA_3\927_035.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\927_035.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_3\927.SEQ

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

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

Instrument Conditions:

Total number of peaks detected: 33



001075

BOE-C6-0169439

8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.88	DIESEL	9779948	987.5478	-------	10.0	
15.98	BENZO-A-PYRENE	412742	46.3039	370.43	10.0	
		10192690	1033.8517			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\927_035.TX0

Software Version: 4.1<2F12>
Date: 9/27/00 05:43 PM
Sample Name : #TEPH00-101 DIESEL STD
Data File : C:\TC4\DATA_3\927_036.RAW Date: 9/27/00 03:30 PM
Sequence File: C:\TC4\DATA_3\927.SEQ Cycle: 36 Channel : A
Instrument : GC/FID-03 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

==========

Updating method : C:\TC4\DATA_3\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	7.883	2000.00000	1.96971060e+07	9848.553000	0.01	5	------	------	1	0
BENZO-A-PYRENE	15.984	80.00000	710063.782609	8875.797283	0.01	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	0.000000	9769.585169	----------	----------	--------	9
BENZO-A-PYRENE	0.000000	8913.770869	----------	----------	--------	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 Time : 9/27/00 05:43 PM
Sample Number: 2000 PPM Study : ICAL 9/~~26~~/00
Operator : 27 9-27-00 [illegible]

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 9/27/00 03:30 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

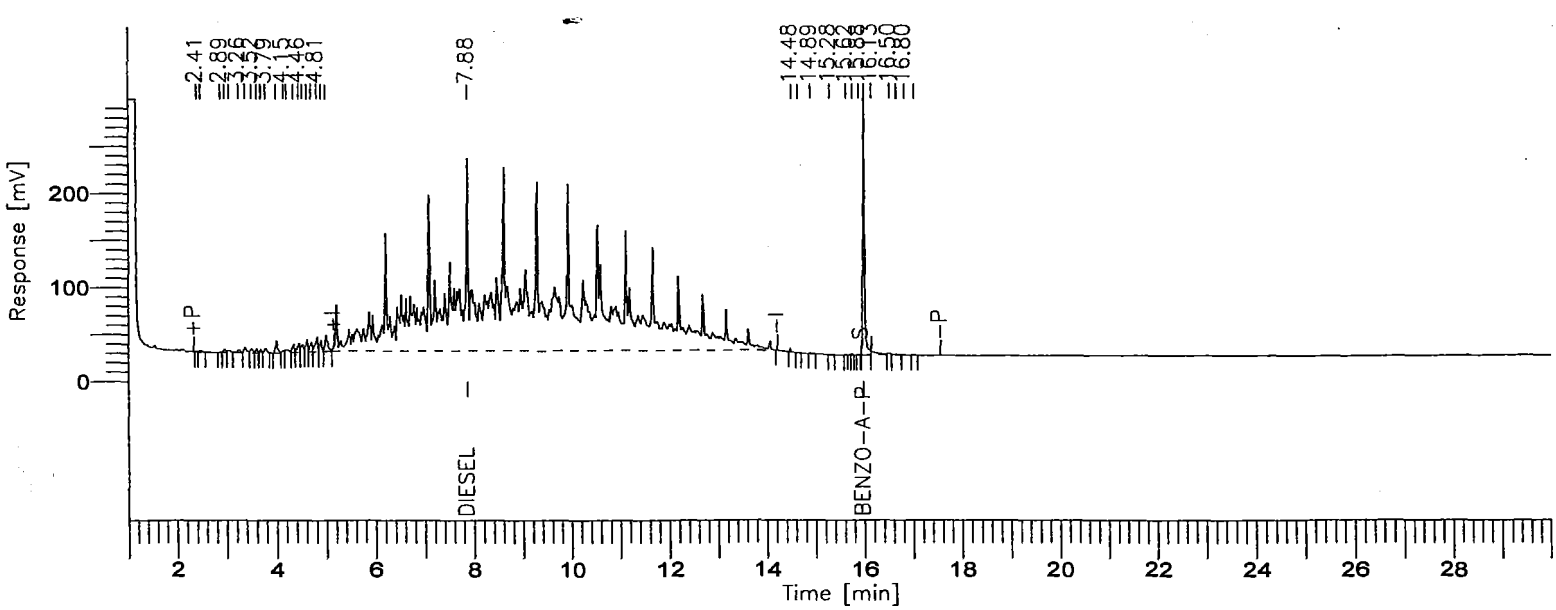
Raw Data File : C:\TC4\DATA_3\927_036.RAW
Result File : C:\TC4\DATA_3\927_036.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\927_036.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_3\927.SEQ

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



001078

8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.88	DIESEL	19697106	2016.1661	-------	10.0	
15.98	BENZO-A-PYRENE	710064	79.6592	637.27	10.0	
		20407170	2095.8252			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\927_036.TX0

Software Version: 4.1<2F12>
Date: 9/27/00 05:48 PM
Sample Name : #TEPH00-102 DIESEL STD
Data File : C:\TC4\DATA_3\927_037.RAW Date: 9/27/00 04:09 PM
Sequence File: C:\TC4\DATA_3\927.SEQ Cycle: 37 Channel : A
Instrument : GC/FID-03 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

Updating method : C:\TC4\DATA_3\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	7.883	5000.00000	4.60577270e+07	9211.545400	0.01	5	------	------	1	0
BENZO-A-PYRENE	15.984	100.00000	923275.142857	9232.751429	0.01	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	0.000000	9767.570275	----------	----------	--------	9
BENZO-A-PYRENE	0.000000	8900.796942	----------	----------	--------	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 Time : 9/27/00 05:48 PM
Sample Number: 5000 PPM Study : ICAL 9/~~26~~/00
Operator : 27 9-27-00 EK

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 9/27/00 04:09 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

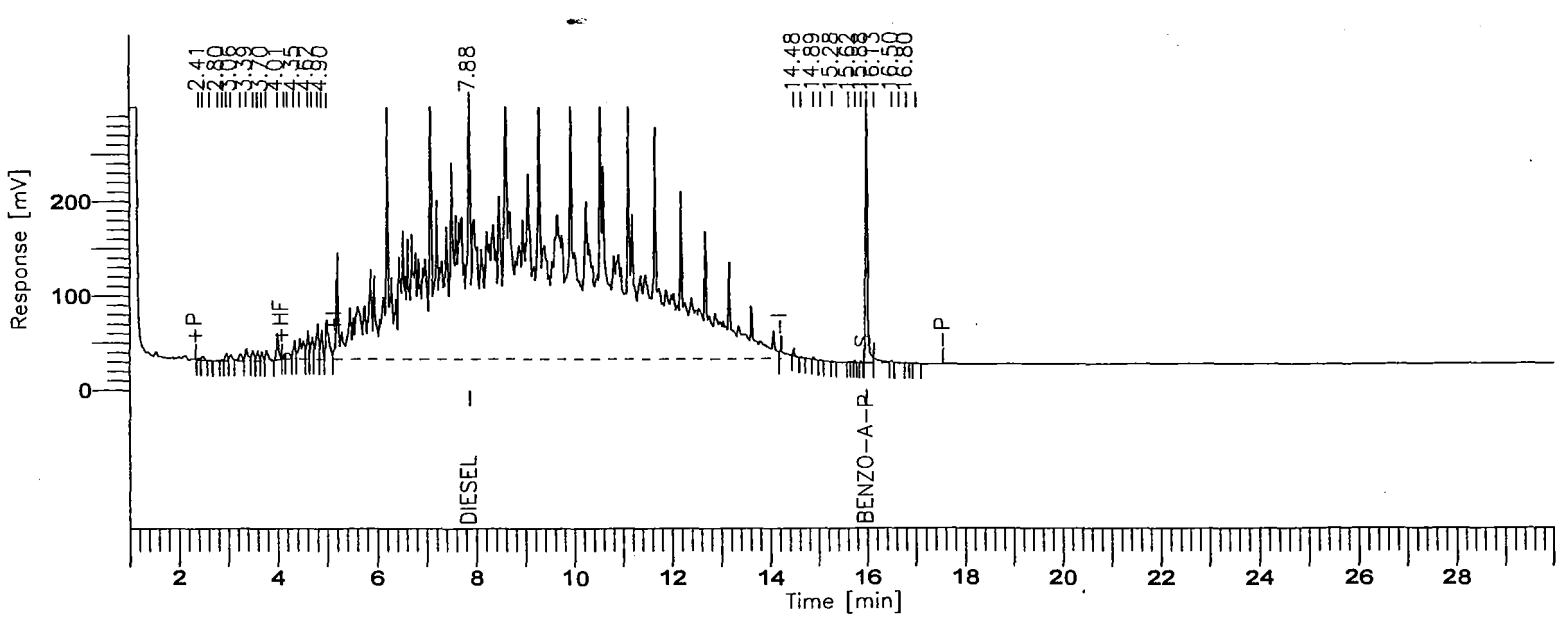
Raw Data File : C:\TC4\DATA_3\927_037.RAW
Result File : C:\TC4\DATA_3\927_037.rst
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\927_037.rst
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_3\927.SEQ

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: 38



001081

8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.88	DIESEL	46057727	4715.3720	-------	10.0	
15.99	BENZO-A-PYRENE	923275	103.7295	829.84	10.0	
		46981002	4819.1015			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\927_037.TX0

Software Version: 4.1<2F12>
Sample Name : DAILY RT MARKER Time : 9/27/00 01:23 PM
Sample Number: C8-C40 Study : ICAL 9/~~26~~ 27/00
Operator : 9-27-00

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 9/27/00 12:53 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

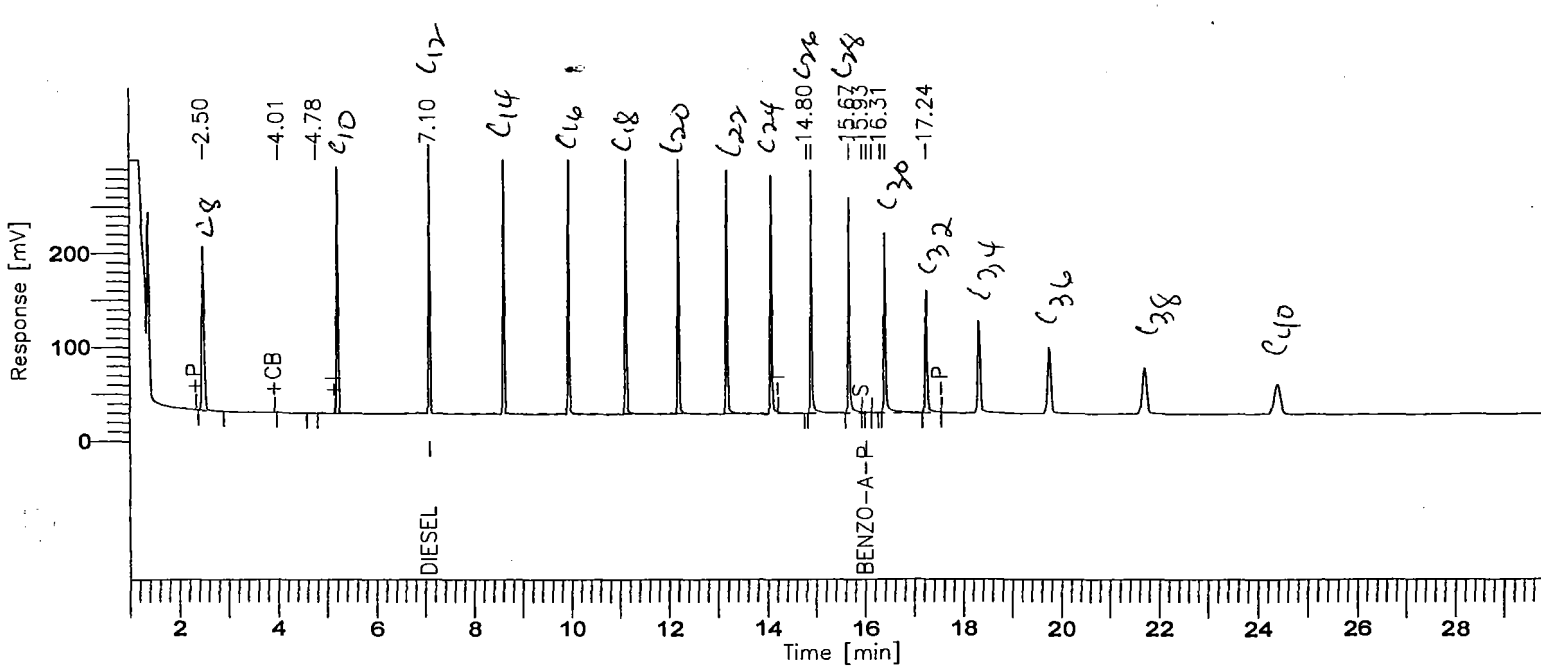
Raw Data File : C:\TC4\DATA_3\927_032.RAW
Result File : C:\TC4\DATA_3\927_032.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\927_032.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_3\927.SEQ

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: 13



001083

BOE-C6-0169447

8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.10	DIESEL	4719128	398.6318	-------	10.0	
16.03	BENZO-A-PYRENE	6091	0.6809	5.45	10.0	
		4725219	399.3127			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\927_032.TX0

Turbochrom Sequence File : C:\TC4\DATA_3\927.SEQ
Created by : EM on : 9/26/00 01:59 PM
Edited by : EC on : 9/27/00 05:36 PM
Description :

Number of Times Edited : 15

Sequence File Header Information:

Number of Rows : 70
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 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
2	Sample	DAILY RT MARKER	C8-C40	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
3	Cal:Replace	#TEPH00-98 DIES	40 PPM	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
4	Cal:Replace	#TEPH00-99 DIES	100 PPM	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
5	Cal:Replace	#TEPH00-160 DIE	1000 PPM	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
6	Cal:Replace	#TEPH00-101 DIE	2000 PPM	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
7	Cal:Replace	#TEPH00-102 DIE	5000 PPM	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
8	Std Check	#TEPH00-129 SEC	1000 PPM	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
9	Sample	MECL2	MECL2	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
10	Cal:Replace	#TEPH00-165 RT	10 PPM	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
11	Cal:Replace	#TEPH00-166 RT	20 PPM	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
12	Cal:Replace	#TEPH00-167 RT	30 PPM	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
13	Cal:Replace	#TEPH00-168 RT	40 PPM	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
14	Cal:Replace	#TEPH00-169 RT	50 PPM	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
15	Sample	MECL2	MECL2	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
16	Cal:Replace	#TEPH00-135 MOT	80 PPM	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
17	Cal:Replace	#TEPH00-136 MOT	500 PPM	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
[illegible]	Cal:Replace	#TEPH00-158 MOT	1000 PPM	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
[illegible]	Cal:Replace	#TEPH00-138 MOT	2000 PPM	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
20	Cal:Replace	#TEPH00-140 MOT	5000 PPM	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
21	Std Check	#TEPH00-141 SEC	1000 PPM	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
22	Std Check	#TEPH00-160 DIE	1000 PPM	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
23	Std Check	#TEPH00-158 MOT	1000 PPM	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
24	Sample	#TEPH00-171 DIE	1000 PPM	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
25	Sample	233-MB	DL1LC101B	ICAL 9/26/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
26	Sample	233-LCS	DL1LC102C	ICAL 9/26/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
27	Sample	233-04	DKRLH104	ICAL 9/26/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
28	Sample	233-04 MS	DKRLH108S	ICAL 9/26/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
29	Sample	233-04 MSD	DKRLH109D	ICAL 9/26/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
30	Sample	#TEPH00-171 DIE	1000 PPM	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
31	Sample	MECL2	MECL2	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
32	Sample	DAILY RT MARKER	C8-C40	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
33	Cal:Replace	#TEPH00-98 DIES	40 PPM	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
34	Cal:Replace	#TEPH00-99 DIES	100 PPM	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
35	Cal:Replace	#TEPH00-160 DIE	1000 PPM	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
36	Cal:Replace	#TEPH00-101 DIE	2000 PPM	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
37	Cal:Replace	#TEPH00-102 DIE	5000 PPM	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
38	Std Check	#TEPH00-129 SEC	1000 PPM	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
39	Sample	MECL2	MECL2	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
40	Cal:Replace	#TEPH00-135 MOT	80 PPM	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
41	Cal:Replace	#TEPH00-136 MOT	500 PPM	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
42	Cal:Replace	#TEPH00-158 MOT	1000 PPM	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
43	Cal:Replace	#TEPH00-138 MOT	2000 PPM	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
44	Cal:Replace	#TEPH00-140 MOT	5000 PPM	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
45	Std Check	#TEPH00-141 SEC	1000 PPM	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
46	Sample	233-MB	DL1LC101B	ICAL 9/26/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
47	Sample	233-LCS	DL1LC102C	ICAL 9/26/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
48	Sample	233-04	DKRLH104	ICAL 9/26/	1.000	1.000	1.000	1.000	5.000	1054.000	0.000	100.000
49	Sample	233-04 MS	DKRLH108S	ICAL 9/26/	1.000	1.000	1.000	1.000	5.000	1043.000	0.000	100.000
50	Sample	233-04 MSD	DKRLH109D	ICAL 9/26/	1.000	1.000	1.000	1.000	5.000	1058.000	0.000	100.000
51	Sample	233-05	DKRLM104	ICAL 9/26/	1.000	1.000	1.000	1.000	5.000	1052.000	0.000	100.000
52	Sample	233-06	DKRLQ104	ICAL 9/26/	1.000	1.000	1.000	1.000	5.000	1009.000	0.000	100.000
[illegible]	Sample	251-08	DKPE3103	ICAL 9/26/	1.000	1.000	1.000	1.000	5.000	882.000	0.000	100.000
[illegible]	Sample	251-09	DKPEK103	ICAL 9/26/	1.000	1.000	1.000	1.000	5.000	1047.000	0.000	100.000
55	Sample	251-10	DKPEL103	ICAL 9/26/	1.000	1.000	1.000	1.000	5.000	909.000	0.000	100.000
56	Std Check	#TEPH00-160 DIE	1000 PPM	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
57	Std Check	#TEPH00-158 MOT	1000 PPM	ICAL 9/26/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
58	Sample	233-MB	DL1JX101B	ICAL 9/26/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
59	Sample	233-LCS	DL1JX102C	ICAL 9/26/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
60	Sample	233-01	DKRKM104	ICAL 9/26/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000

INITIAL CALIBRATION DATA

Date Analyzed: 9-30-00

Instrument ID: GC3 C8 → C40

Turbochrom Method File : C:\TC4\DATA_3\METHODS\C8-C40A.MTH
Created by : ELVIE on : 6/8/00 12:16 PM
Edited by : EC on : 10/3/00 09:34 AM
Description : SOLVENT = METHYLENE CHLORIDE

Number of Times Edited : 23
Number of Times Calibrated : 583

ICAL 9-30-00

ALL AUG CF

10 → 50 ppm

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 0.170
Event #2 - +P at 2.350
Event #3 - -P at 30.000

Annotated Replot Parameters :
No replot will be printed

Report Format files :
No report format files given

User Programs :
User Program #1 : C:\WINDOWS\SYSTEM\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 : 2.366 min End Time : 5.132 min
Reference Component:
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: 30.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
2	10.0000	120337.00	39946.04	----------	----------	1
3	20.0000	226005.50	75020.56	----------	----------	1
4	30.0000	303374.00	100489.55	----------	----------	1
5	40.0000	403122.00	134237.60	----------	----------	1
6	50.0000	555543.00	185156.35	----------	----------	1

Average Calibration Factor = 10927.070333 (%RSD = 7.63)

C10-C11

Component Type : Timed Group
Start Time : 5.133 min End Time : 7.016 min
Reference Component:
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: 30.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
2	10.0000	132947.00	63911.23	----------	----------	1
3	20.0000	241379.65	118484.68	----------	----------	1
4	30.0000	323707.41	155991.68	----------	----------	1
5	40.0000	426246.34	207570.18	----------	----------	1
6	50.0000	589271.27	292047.13	----------	----------	1

Average Calibration Factor = 11719.102756 (%RSD = 9.15)

C12-C13

Component Type : Timed Group
Start Time : 7.017 min End Time : 8.521 min
Reference Component:
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: 30.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
2	10.0000	143039.00	66902.03	----------	----------	1
3	20.0000	257822.85	120932.02	----------	----------	1

4	30.0000	345186.59	161232.46	----------	----------	1
5	40.0000	445503.66	213721.25	----------	----------	1
6	50.0000	617666.23	300200.40	----------	----------	1

Average Calibration Factor = 12438.435577 (%RSD = 10.05)

C14-C15

Component Type : Timed Group
Start Time : 8.522 min End Time : 9.839 min
Reference Component:
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: 30.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
2	10.0000	138236.50	73047.88	----------	----------	1
3	20.0000	253744.50	134643.61	----------	----------	1
4	30.0000	335742.50	177775.72	----------	----------	1
5	40.0000	445609.00	241127.59	----------	----------	1
6	50.0000	613035.00	335734.00	----------	----------	1

Average Calibration Factor = 12220.643333 (%RSD = 9.16)

C16-C17

Component Type : Timed Group
Start Time : 9.840 min End Time : 11.042 min
Reference Component:
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: 30.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
2	10.0000	135687.00	74929.69	----------	----------	1
3	20.0000	253170.00	137689.40	----------	----------	1
4	30.0000	336301.00	184089.00	----------	----------	1
5	40.0000	445358.00	240457.70	----------	----------	1
6	50.0000	615091.00	330582.25	----------	----------	1

Average Calibration Factor = 12174.600667 (%RSD = 8.42)

C18-C19

Component Type : Timed Group
Start Time : 11.043 min End Time : 12.115 min
Reference Component:
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: 30.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
2	10.0000	136065.00	73256.78	----------	----------	1
3	20.0000	251706.50	135964.36	----------	----------	1
4	30.0000	334546.00	180770.03	----------	----------	1
5	40.0000	446154.00	238807.06	----------	----------	1
6	50.0000	616439.00	330374.91	----------	----------	1

Average Calibration Factor = 12165.197667 (%RSD = 8.55)

C20-C23

Component Type : Timed Group
Start Time : 12.116 min End Time : 13.986 min
Reference Component:
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: 30.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
2	10.0000	264438.00	133754.97	----------	----------	1
3	20.0000	490506.50	248632.76	----------	----------	1
4	30.0000	655573.50	327344.82	----------	----------	1
5	40.0000	871408.50	434090.37	----------	----------	1
6	50.0000	1204859.00	604073.11	----------	----------	1

Average Calibration Factor = 23740.793500 (%RSD = 8.28)

C24-C27

Component Type : Timed Group
Start Time : 13.987 min End Time : 15.580 min
Reference Component:
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: 30.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
2	10.0000	237875.00	110836.87	----------	----------	1
3	20.0000	443077.50	205976.48	----------	----------	1
4	30.0000	599012.50	276296.02	----------	----------	1
5	40.0000	805271.00	369286.42	----------	----------	1
6	50.0000	1124656.50	508806.80	----------	----------	1

Average Calibration Factor = 21706.672667 (%RSD = 7.52)

C28-C31

Component Type : Timed Group
Start Time : 15.581 min End Time : 17.132 min
Reference Component:

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: 30.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
2	10.0000	199711.00	85536.16	----------	----------	1
3	20.0000	376542.00	163616.99	----------	----------	1
4	30.0000	494995.50	217638.29	----------	----------	1
5	40.0000	669676.00	290089.91	----------	----------	1
6	50.0000	927712.50	396269.36	----------	----------	1

Average Calibration Factor = 18118.840000 (%RSD = 8.11)

C32-C35
Component Type : Timed Group
Start Time : 17.133 min End Time : 19.563 min
Reference Component:
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: 30.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
2	10.0000	137456.50	45047.54	----------	----------	1
3	20.0000	262553.00	87668.31	----------	----------	1
4	30.0000	383095.00	126675.12	----------	----------	1
5	40.0000	504487.50	163219.67	----------	----------	1
6	50.0000	717781.00	229710.80	----------	----------	1

Average Calibration Factor = 13322.188167 (%RSD = 5.43)

C36-C39
Component Type : Timed Group
Start Time : 19.564 min End Time : 24.067 min
Reference Component:
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: 30.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
2	10.0000	87995.00	16799.85	----------	----------	1
3	20.0000	192964.17	36778.97	----------	----------	1
4	30.0000	330001.12	62545.57	----------	----------	1
5	40.0000	400158.85	76082.63	----------	----------	1
6	50.0000	580556.27	111473.32	----------	----------	1

Average Calibration Factor = 10212.568428 (%RSD = 10.88)

C40+

Component Type : Timed Group
Start Time : 24.068 min End Time : 30.000 min
Reference Component:
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: 30.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
2	10.0000	34073.00	3928.30	----------	----------	1
3	20.0000	78143.33	8926.06	----------	----------	1
4	30.0000	140891.88	16017.58	----------	----------	1
5	40.0000	171219.65	20171.83	----------	----------	1
6	50.0000	246423.23	28863.58	----------	----------	1

Average Calibration Factor = 4243.963738 (%RSD = 14.37)

Software Version: 4.1<2F12>
Date: 10/3/00 09:26 AM
Sample Name : #TEPH00-165 RT MARKER
Data File : C:\TC4\DATA_3\930_004.RAW Date: 9/30/00 02:03 PM
Sequence File: C:\TC4\DATA_3\930.SEQ Cycle: 4 Channel : A
Instrument : GC/FID-03 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

Updating method : C:\TC4\DATA_3\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	3.749	10.00000	120337.000000	12033.700000	0.00	5	------	------	1	0
C10-C11	6.074	10.00000	132947.000000	13294.700000	0.00	5	------	------	1	0
C12-C13	7.769	10.00000	143039.000000	14303.900000	0.00	5	------	------	1	0
C14-C15	9.180	10.00000	138236.500000	13823.650000	0.00	5	------	------	1	0
C16-C17	10.441	10.00000	135687.000000	13568.700000	0.00	5	------	------	1	0
C18-C19	11.579	10.00000	136065.000000	13606.500000	0.00	5	------	------	1	0
C20-C23	13.051	10.00000	264438.000000	26443.800000	0.00	5	------	------	1	0
C24-C27	14.784	10.00000	237875.000000	23787.500000	0.00	5	------	------	1	0
C28-C31	16.356	10.00000	199711.000000	19971.100000	0.00	5	------	------	1	0
C32-C35	18.348	10.00000	137456.500000	13745.650000	0.00	5	------	------	1	0
C36-C39	21.815	10.00000	87995.000000	8799.500000	0.00	5	------	------	1	0
C40+	27.034	10.00000	34073.000000	3407.300000	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	14872.714167	----------	----------	--------	9
C10-C11	0.000000	16013.459002	----------	----------	--------	9
C12-C13	0.000000	16922.292804	----------	----------	--------	9
C14-C15	0.000000	16593.863889	----------	----------	--------	9
C16-C17	0.000000	16481.711944	----------	----------	--------	9
C18-C19	0.000000	16517.379167	----------	----------	--------	9
C20-C23	0.000000	32280.833333	----------	----------	--------	9
C24-C27	0.000000	29785.327361	----------	----------	--------	9
C28-C31	0.000000	25416.396806	----------	----------	--------	9
C32-C35	0.000000	19550.275833	----------	----------	--------	9
C36-C39	0.000000	15488.629116	----------	----------	--------	9
C40+	0.000000	6566.547134	----------	----------	--------	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 Time : 10/3/00 09:26 AM
Sample Number: 10 PPM Study : ICAL 9/30/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 9/30/00 02:03 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

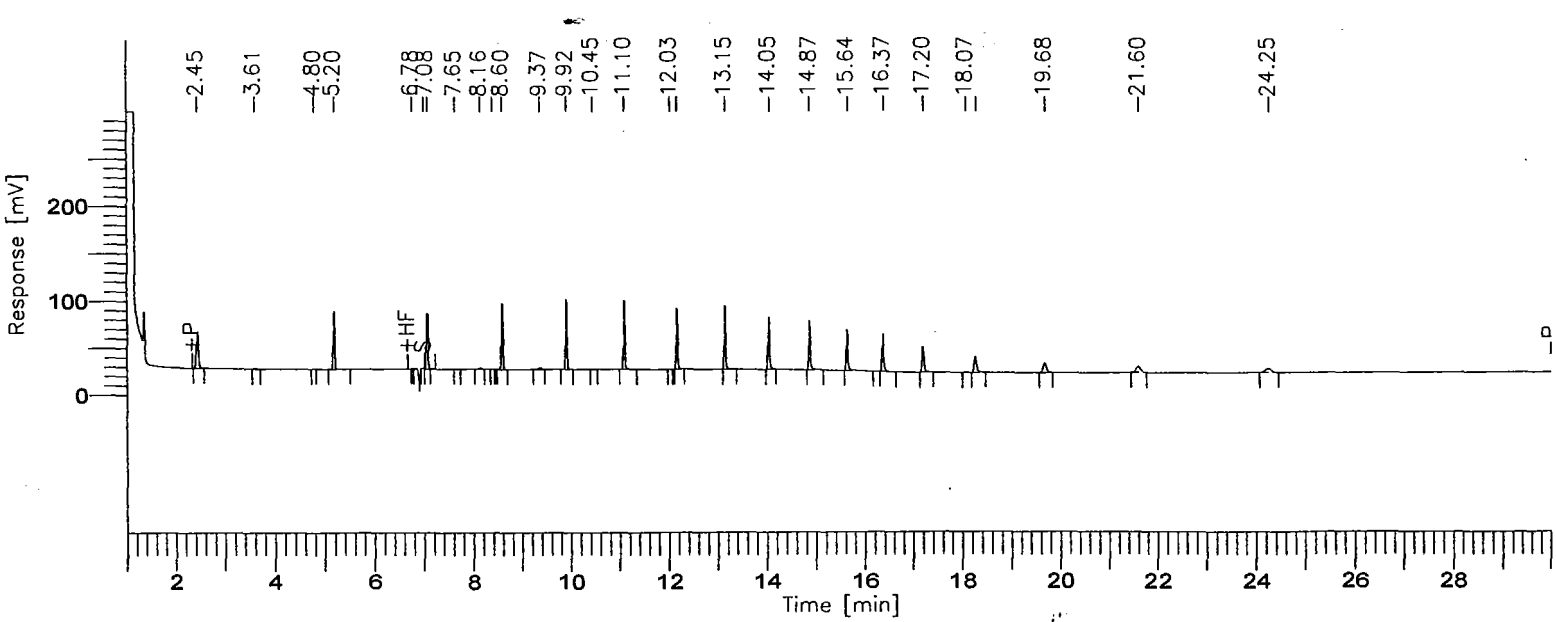
Raw Data File : C:\TC4\DATA_3\930_004.RAW
Result File : C:\TC4\DATA_3\930_004.rst
Inst Method : C:\TC4\DATA_3\METHODS\C8-C40A from C:\TC4\DATA_3\930_004.rst
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_3\930.SEQ

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: 28



8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.75	C8-C9	120337	8.0911	-------	10.0	
6.07	C10-C11	132947	8.3022	-------	10.0	
7.77	C12-C13	143039	8.4527	-------	10.0	
9.18	C14-C15	138236	8.3306	-------	10.0	
10.44	C16-C17	135687	8.2326	-------	10.0	
11.58	C18-C19	136065	8.2377	-------	10.0	
13.05	C20-C23	264438	8.1918	-------	10.0	
14.78	C24-C27	237875	7.9863	-------	10.0	
16.36	C28-C31	199711	7.8576	-------	10.0	
18.35	C32-C35	137456	7.0309	-------	10.0	
21.82	C36-C39	87995	5.6813	-------	10.0	
27.03	C40+	34073	5.1889	-------	10.0	
		1767860	91.5836			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
2.45		117152	0.1172	-------	10.0	
3.61		2312	0.0023	-------	10.0	
4.80		873	0.0009	-------	10.0	
		120337	0.1203			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.20		128073	0.1281	-------	10.0	
6.78		665	0.0007	-------	10.0	
00		4209	0.0042	-------	10.0	
		132947	0.1329			

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.07		136297	0.1363	-------	10.0	
7.65		265	0.0003	-------	10.0	
8.16		5808	0.0058	-------	10.0	
8.39		669	0.0007	-------	10.0	
		143039	0.1430			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.60		133116	0.1331	-------	10.0	
9.37		5120	0.0051	-------	10.0	
		138236	0.1382			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.92		134384	0.1344	-------	10.0	
10.45		1303	0.0013	-------	10.0	
		135687	0.1357			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.10		135220	0.1352	-------	10.0	
12.03		845	0.0008	-------	10.0	
		136065	0.1361			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.17		132364	0.1324	-------	10.0	
13.15		132074	0.1321	-------	10.0	

	264438	0.2644	

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.05		121034	0.1210	-------	10.0	
14.87		116841	0.1168	-------	10.0	
		237875	0.2379			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.64		109242	0.1092	-------	10.0	
16.37		90469	0.0905	-------	10.0	
		199711	0.1997			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.20		75120	0.0751	-------	10.0	
18.07		2582	0.0026	-------	10.0	
18.27		59755	0.0598	-------	10.0	
		137456	0.1375			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
19.68		47141	0.0471	-------	10.0	
21.60		40854	0.0409	-------	10.0	
		87995	0.0880			

Group Report For : C40+

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

24.25	34073	0.0341	-------	10.0
	34073	0.0341		

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\930_004.TX0

Software Version: 4.1<2F12>
Date: 10/3/00 09:26 AM
Sample Name : #TEPH00-166 RT MARKER
:a File : C:\TC4\DATA_3\930_005.RAW Date: 9/30/00 02:43 PM
Sequence File: C:\TC4\DATA_3\930.SEQ Cycle: 5 Channel : A
Instrument : GC/FID-03 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

Updating method : C:\TC4\DATA_3\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	3.749	20.00000	226005.500000	11300.275000	0.00	5	------	------	1	0
C10-C11	6.074	20.00000	241379.651515	12068.982576	0.00	5	------	------	1	0
C12-C13	7.769	20.00000	257822.848485	12891.142424	0.00	5	------	------	1	0
C14-C15	9.180	20.00000	253744.500000	12687.225000	0.00	5	------	------	1	0
C16-C17	10.441	20.00000	253170.000000	12658.500000	0.00	5	------	------	1	0
C18-C19	11.579	20.00000	251706.500000	12585.325000	0.00	5	------	------	1	0
C23	13.051	20.00000	490506.500000	24525.325000	0.00	5	------	------	1	0
C27	14.784	20.00000	443077.500000	22153.875000	0.00	5	------	------	1	0
C28-C31	16.356	20.00000	376542.000000	18827.100000	0.00	5	------	------	1	0
C32-C35	18.348	20.00000	262553.000000	13127.650000	0.00	5	------	------	1	0
C36-C39	21.815	20.00000	192964.166667	9648.208333	0.00	5	------	------	1	0
C40+	27.034	20.00000	78143.333333	3907.166667	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	14227.976667	----------	----------	--------	9
C10-C11	0.000000	15327.394309	----------	----------	--------	9
C12-C13	0.000000	16194.261663	----------	----------	--------	9
C14-C15	0.000000	15910.547222	----------	----------	--------	9
C16-C17	0.000000	15788.953611	----------	----------	--------	9
C18-C19	0.000000	15827.050000	----------	----------	--------	9
C20-C23	0.000000	30905.275000	----------	----------	--------	9
C24-C27	0.000000	28485.869028	----------	----------	--------	9
C28-C31	0.000000	24429.284306	----------	----------	--------	9
-C35	0.000000	18545.759167	----------	----------	--------	9
C39	0.000000	14346.654536	----------	----------	--------	9
C40+	0.000000	6043.642547	----------	----------	--------	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 : 10/3/00 09:26 AM
Sample Number: 20 PPM Study : ICAL 9/30/00
C rator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 9/30/00 02:43 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

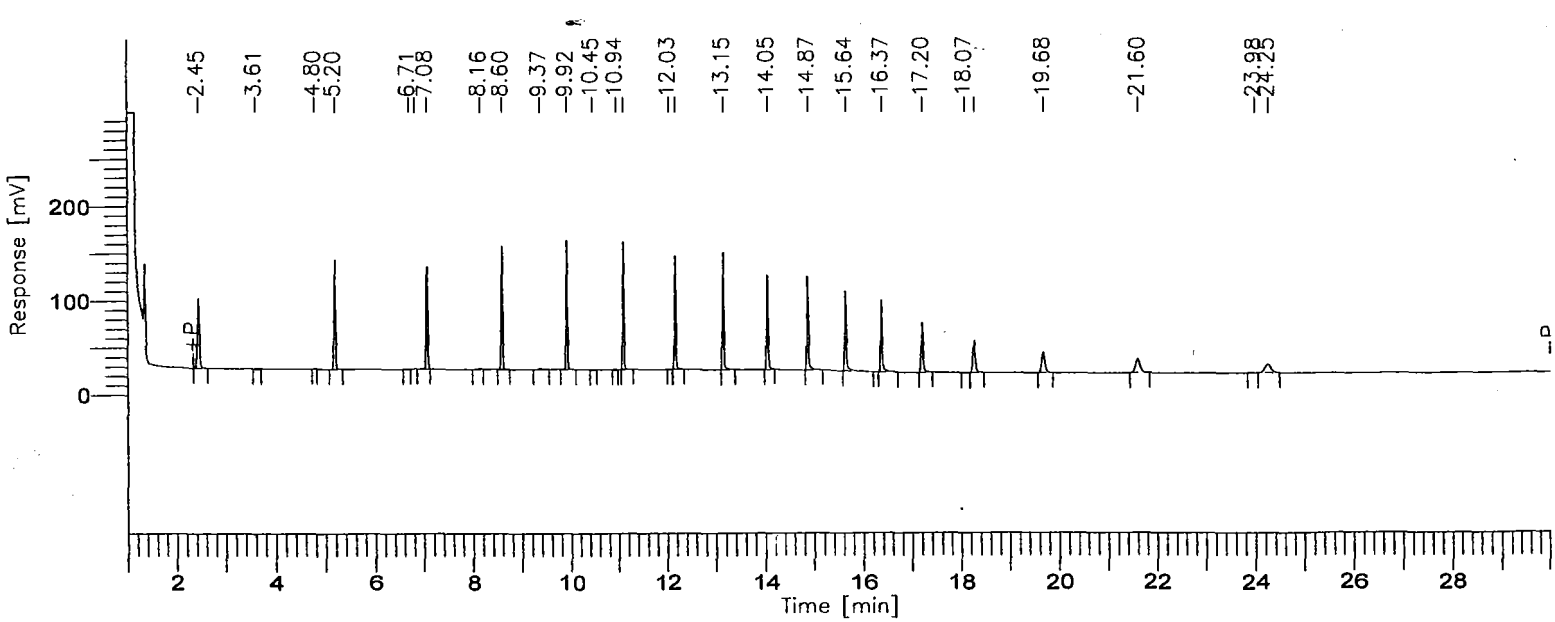
Raw Data File : C:\TC4\DATA_3\930_005.RAW
Result File : C:\TC4\DATA_3\930_005.rst
Inst Method : C:\TC4\DATA_3\METHODS\C8-C40A from C:\TC4\DATA_3\930_005.rst
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_3\930.SEQ

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
M tiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 28



8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.75	C8-C9	226006	15.8846	-------	10.0	
6.07	C10-C11	241380	15.7483	-------	10.0	
7.77	C12-C13	257823	15.9206	-------	10.0	
9.18	C14-C15	253744	15.9482	-------	10.0	
10.44	C16-C17	253170	16.0346	-------	10.0	
11.58	C18-C19	251706	15.9036	-------	10.0	
13.05	C20-C23	490506	15.8713	-------	10.0	
14.78	C24-C27	443078	15.5543	-------	10.0	
16.36	C28-C31	376542	15.4136	-------	10.0	
18.35	C32-C35	262553	14.1570	-------	10.0	
21.82	C36-C39	192964	13.4501	-------	10.0	
27.03	C40+	78143	12.9298	-------	10.0	
		3327616	182.8160			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
2.45		222846	0.2228	-------	10.0	
3.61		2514	0.0025	-------	10.0	
4.80		646	0.0006	-------	10.0	
		226006	0.2260			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.20		238902	0.2389	-------	10.0	
6.71		368	0.0004	-------	10.0	
83		2110	0.0021	-------	10.0	
		241380	0.2414			

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.08		252451	0.2525	-------	10.0	
8.16		5372	0.0054	-------	10.0	
		257823	0.2578			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.60		248679	0.2487	-------	10.0	
9.37		5066	0.0051	-------	10.0	
		253744	0.2537			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.92		250736	0.2507	-------	10.0	
10.45		1146	0.0011	-------	10.0	
10.94		1288	0.0013	-------	10.0	
		253170	0.2532			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.10		250388	0.2504	-------	10.0	
12.03		1318	0.0013	-------	10.0	
		251706	0.2517			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.17		247149	0.2471	-------	10.0	
13.15		243358	0.2434	-------	10.0	
		490506	0.4905			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.04		224820	0.2248	-------	10.0	
14.87		218258	0.2183	-------	10.0	
		443078	0.4431			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.64		204075	0.2041	-------	10.0	
16.37		172467	0.1725	-------	10.0	
		376542	0.3765			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.20		142821	0.1428	-------	10.0	
18.07		2233	0.0022	-------	10.0	
18.27		117499	0.1175	-------	10.0	
		262553	0.2626			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
19.68		99366	0.0994	-------	10.0	
21.60		91190	0.0912	-------	10.0	
23.98		2408	0.0024	-------	10.0	
		192964	0.1930			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
24.25		78143	0.0781	-------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
		78143	0.0781			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\930_005.TX0

Software Version: 4.1<2F12>
Date: 10/3/00 09:26 AM
Sample Name : #TEPH00-167 RT MARKER
Data File : C:\TC4\DATA_3\930_006.RAW Date: 9/30/00 03:22 PM
Sequence File: C:\TC4\DATA_3\930.SEQ Cycle: 6 Channel : A
Instrument : GC/FID-03 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

Updating method : C:\TC4\DATA_3\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	3.749	30.00000	303374.000000	10112.466667	0.00	5	------	------	1	0
C10-C11	6.074	30.00000	323707.414634	10790.247154	0.00	5	------	------	1	0
C12-C13	7.769	30.00000	345186.585366	11506.219512	0.00	5	------	------	1	0
C14-C15	9.180	30.00000	335742.500000	11191.416667	0.00	5	------	------	1	0
C16-C17	10.441	30.00000	336301.000000	11210.033333	0.00	5	------	------	1	0
C18-C19	11.579	30.00000	334546.000000	11151.533333	0.00	5	------	------	1	0
C20-C23	13.051	30.00000	655573.500000	21852.450000	0.00	5	------	------	1	0
C24-C27	14.784	30.00000	599012.500000	19967.083333	0.00	5	------	------	1	0
C28-C31	16.356	30.00000	494995.500000	16499.850000	0.00	5	------	------	1	0
C32-C35	18.348	30.00000	383095.000000	12769.833333	0.00	5	------	------	1	0
C36-C39	21.815	30.00000	330001.116279	11000.037209	0.00	5	------	------	1	0
C40+	27.034	30.00000	140891.883721	4696.396124	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	13673.821111	----------	----------	--------	9
C10-C11	0.000000	14757.733586	----------	----------	--------	9
C12-C13	0.000000	15636.944608	----------	----------	--------	9
C14-C15	0.000000	15300.177778	----------	----------	--------	9
C16-C17	0.000000	15183.081389	----------	----------	--------	9
C18-C19	0.000000	15207.005556	----------	----------	--------	9
C20-C23	0.000000	29706.191667	----------	----------	--------	9
C24-C27	0.000000	27339.988472	----------	----------	--------	9
C28-C31	0.000000	23458.837083	----------	----------	--------	9
C32-C35	0.000000	17871.356389	----------	----------	--------	9
C36-C39	0.000000	13956.889349	----------	----------	--------	9
C40+	0.000000	5875.154957	----------	----------	--------	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 Time : 10/3/00 09:26 AM
Sample Number: 30 PPM Study : ICAL 9/30/00
C rator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 9/30/00 03:22 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

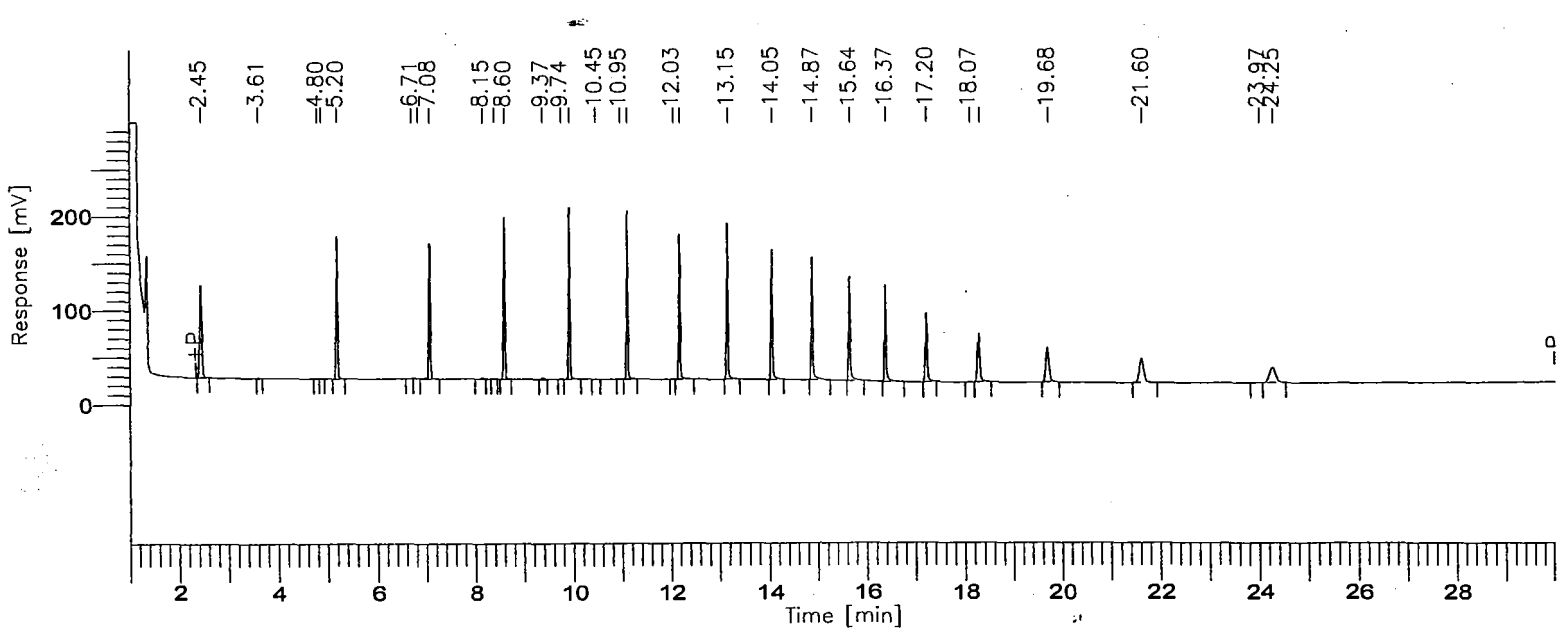
Raw Data File : C:\TC4\DATA_3\930_006.RAW
Result File : C:\TC4\DATA_3\930_006.rst
Inst Method : C:\TC4\DATA_3\METHODS\C8-C40A from C:\TC4\DATA_3\930_006.rst
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_3\930.SEQ

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

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

Instrument Conditions:

Total number of peaks detected: 31



8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.75	C8-C9	303374	22.1865	-------	10.0	
6.07	C10-C11	323707	21.9348	-------	10.0	
7.77	C12-C13	345187	22.0751	-------	10.0	
9.18	C14-C15	335742	21.9437	-------	10.0	
10.44	C16-C17	336301	22.1497	-------	10.0	
11.58	C18-C19	334546	21.9995	-------	10.0	
13.05	C20-C23	655574	22.0686	-------	10.0	
14.78	C24-C27	599012	21.9098	-------	10.0	
16.36	C28-C31	494996	21.1006	-------	10.0	
18.35	C32-C35	383095	21.4363	-------	10.0	
21.82	C36-C39	330001	23.6443	-------	10.0	
27.03	C40+	140892	23.9810	-------	10.0	
		4582427	266.4297			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
2.45		298343	0.2983	-------	10.0	
3.61		1992	0.0020	-------	10.0	
4.80		1276	0.0013	-------	10.0	
4.87		1762	0.0018	-------	10.0	
		303374	0.3034			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.20		319310	0.3193	-------	10.0	
.70		952	0.0010	-------	10.0	
6.83		3445	0.0034	-------	10.0	
		323707	0.3237			

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.07		338287	0.3383	-------	10.0	
8.15		5215	0.0052	-------	10.0	
8.39		1685	0.0017	-------	10.0	
		345187	0.3452			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.60		329596	0.3296	-------	10.0	
9.37		5033	0.0050	-------	10.0	
9.74		1114	0.0011	-------	10.0	
		335742	0.3357			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.92		333556	0.3336	-------	10.0	
10.45		1314	0.0013	-------	10.0	
10.95		1431	0.0014	-------	10.0	
		336301	0.3363			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.10		332680	0.3327	-------	10.0	
12.03		1866	0.0019	-------	10.0	
		334546	0.3345			

Group Report For : C20-C23

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

12.17		332340	0.3323	-------	10.0
13.15		323233	0.3232	-------	10.0
		655574	0.6556		

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.05		305106	0.3051	-------	10.0	
14.87		293906	0.2939	-------	10.0	
		599012	0.5990			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.64		262082	0.2621	-------	10.0	
16.37		232914	0.2329	-------	10.0	
		494996	0.4950			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.20		199975	0.2000	-------	10.0	
18.07		2453	0.0025	-------	10.0	
18.27		180667	0.1807	-------	10.0	
		383095	0.3831			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
19.68		166412	0.1664	-------	10.0	
[illegible].60		160107	0.1601	-------	10.0	
23.97		3482	0.0035	-------	10.0	
		330001	0.3300			

Group Report For : C40+

T e [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
24.25		140892	0.1409	-------	10.0	
		140892	0.1409			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\930_006.TX0

Software Version: 4.1<2F12>
Date: 10/3/00 09:26 AM
Sample Name : #TEPH00-168 RT MARKER
D ı File : C:\TC4\DATA_3\930_007.RAW Date: 9/30/00 04:01 PM
Sequence File: C:\TC4\DATA_3\930.SEQ Cycle: 7 Channel : A
Instrument : GC/FID-03 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

Updating method : C:\TC4\DATA_3\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	3.749	40.00000	403122.000000	10078.050000	0.00	5	------	------	1	0
C10-C11	6.074	40.00000	426246.344828	10656.158621	0.00	5	------	------	1	0
C12-C13	7.769	40.00000	445503.655172	11137.591379	0.00	5	------	------	1	0
C14-C15	9.180	40.00000	445609.000000	11140.225000	0.00	5	------	------	1	0
C16-C17	10.441	40.00000	445358.000000	11133.950000	0.00	5	------	------	1	0
C18-C19	11.579	40.00000	446154.000000	11153.850000	0.00	5	------	------	1	0
C 23	13.051	40.00000	871408.500000	21785.212500	0.00	5	------	------	1	0
C 27	14.784	40.00000	805271.000000	20131.775000	0.00	5	------	------	1	0
C28-C31	16.356	40.00000	669676.000000	16741.900000	0.00	5	------	------	1	0
C32-C35	18.348	40.00000	504487.500000	12612.187500	0.00	5	------	------	1	0
C36-C39	21.815	40.00000	400158.850000	10003.971250	0.00	5	------	------	1	0
C40+	27.034	40.00000	171219.650000	4280.491250	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	13038.733611	----------	----------	--------	9
C10-C11	0.000000	14078.463058	----------	----------	--------	9
C12-C13	0.000000	14919.600553	----------	----------	--------	9
C14-C15	0.000000	14602.569444	----------	----------	--------	9
C16-C17	0.000000	14475.860556	----------	----------	--------	9
C18-C19	0.000000	14497.484722	----------	----------	--------	9
C20-C23	0.000000	28316.814583	----------	----------	--------	9
C24-C27	0.000000	26009.215556	----------	----------	--------	9
C28-C31	0.000000	22383.685000	----------	----------	--------	9
C35	0.000000	16982.633472	----------	----------	--------	9
C39	0.000000	13205.233443	----------	----------	--------	9
C40+	0.000000	5561.806696	----------	----------	--------	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 Time : 10/3/00 09:26 AM
Sample Number: 40 PPM Study : ICAL 9/30/00
C rator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 9/30/00 04:01 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

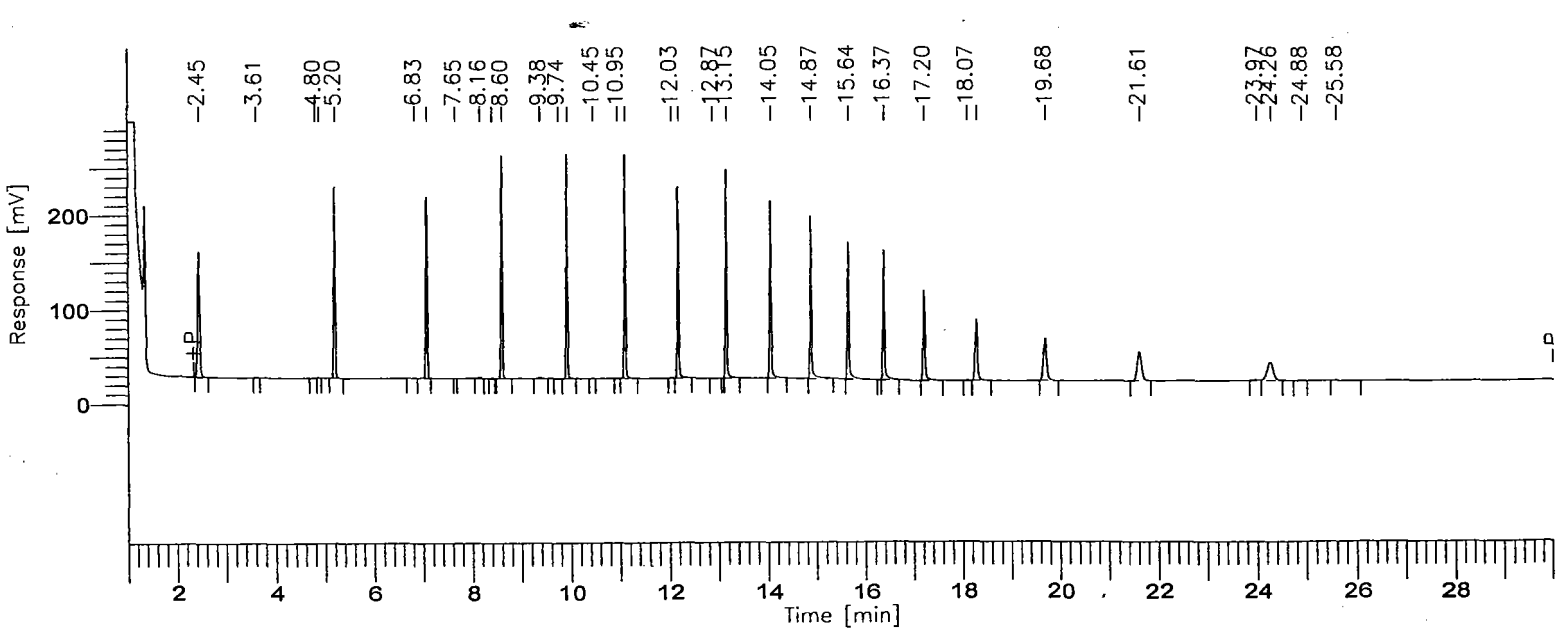
Raw Data File : C:\TC4\DATA_3\930_007.RAW
Result File : C:\TC4\DATA_3\930_007.rst
Inst Method : C:\TC4\DATA_3\METHODS\C8-C40A from C:\TC4\DATA_3\930_007.rst
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_3\930.SEQ

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
I tiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 34



001116

BOE-C6-0169480

8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.75	C8-C9	403122	30.9173	-------	10.0	
6.07	C10-C11	426246	30.2765	-------	10.0	
7.77	C12-C13	445504	29.8603	-------	10.0	
9.18	C14-C15	445609	30.5158	-------	10.0	
10.44	C16-C17	445358	30.7656	-------	10.0	
11.58	C18-C19	446154	30.7746	-------	10.0	
13.05	C20-C23	871408	30.7735	-------	10.0	
14.78	C24-C27	805271	30.9610	-------	10.0	
16.36	C28-C31	669676	29.9180	-------	10.0	
18.35	C32-C35	504488	29.7061	-------	10.0	
21.82	C36-C39	400159	30.3031	-------	10.0	
27.03	C40+	171220	30.7849	-------	10.0	
		6034214	365.5566			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
2.45		397752	0.3978	-------	10.0	
3.61		1892	0.0019	-------	10.0	
4.80		1318	0.0013	-------	10.0	
4.88		2160	0.0022	-------	10.0	
		403122	0.4031			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.20		422942	0.4229	-------	10.0	
[illegible].83		3304	0.0033	-------	10.0	
		426246	0.4262			

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.08		438071	0.4381	-------	10.0	
7.65		322	0.0003	-------	10.0	
8.16		4821	0.0048	-------	10.0	
8.39		2290	0.0023	-------	10.0	
		445504	0.4455			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.60		439278	0.4393	-------	10.0	
9.38		4990	0.0050	-------	10.0	
9.74		1342	0.0013	-------	10.0	
		445609	0.4456			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.92		442614	0.4426	-------	10.0	
10.45		933	0.0009	-------	10.0	
10.95		1811	0.0018	-------	10.0	
		445358	0.4454			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.10		443725	0.4437	-------	10.0	
12.03		2429	0.0024	-------	10.0	
		446154	0.4462			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.17		441394	0.4414	-------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.87		1410	0.0014	-------	10.0	
13.15		428605	0.4286	-------	10.0	
		871408	0.8714			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.05		410356	0.4104	-------	10.0	
14.87		394916	0.3949	-------	10.0	
		805271	0.8053			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.64		362461	0.3625	-------	10.0	
16.37		307215	0.3072	-------	10.0	
		669676	0.6697			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.20		272154	0.2722	-------	10.0	
18.07		2203	0.0022	-------	10.0	
18.27		230130	0.2301	-------	10.0	
		504488	0.5045			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
19.68		204996	0.2050	-------	10.0	
21.61		190818	0.1908	-------	10.0	
23.97		4346	0.0043	-------	10.0	

	400159	0.4002

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
24.26		168104	0.1681	-------	10.0	
24.88		1966	0.0020	-------	10.0	
25.58		1150	0.0012	-------	10.0	
		171220	0.1712			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

ɔort stored in ASCII file: C:\TC4\DATA_3\930_007.TX0

Software Version: 4.1<2F12>
Date: 10/3/00 09:26 AM
Sample Name : #TEPH00-169 RT MARKER
D a File : C:\TC4\DATA_3\930_008.RAW Date: 9/30/00 04:41 PM
Sequence File: C:\TC4\DATA_3\930.SEQ Cycle: 8 Channel : A
Instrument : GC/FID-03 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

Updating method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Calibration performed at level: 6
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	3.749	50.00000	555543.000000	11110.860000	0.00	6	------	------	1	0
C10-C11	6.074	50.00000	589271.271429	11785.425429	0.00	6	------	------	1	0
C12-C13	7.769	50.00000	617666.228571	12353.324571	0.00	6	------	------	1	0
C14-C15	9.180	50.00000	613035.000000	12260.700000	0.00	6	------	------	1	0
C16-C17	10.441	50.00000	615091.000000	12301.820000	0.00	6	------	------	1	0
C18-C19	11.579	50.00000	616439.000000	12328.780000	0.00	6	------	------	1	0
C[illegible]3	13.051	50.00000	1204859.000000	24097.180000	0.00	6	------	------	1	0
C[illegible]27	14.784	50.00000	1124656.500000	22493.130000	0.00	6	------	------	1	0
C28-C31	16.356	50.00000	927712.500000	18554.250000	0.00	6	------	------	1	0
C32-C35	18.348	50.00000	717781.000000	14355.620000	0.00	6	------	------	1	0
C36-C39	21.815	50.00000	580556.267442	11611.125349	0.00	6	------	------	1	0
C40+	27.034	50.00000	246423.232558	4928.464651	0.00	6	------	------	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	13117.125278	----------	----------	--------	9
C10-C11	0.000000	14197.485630	----------	----------	--------	9
C12-C13	0.000000	15133.329648	----------	----------	--------	9
C14-C15	0.000000	14791.752778	----------	----------	--------	9
C16-C17	0.000000	14668.400556	----------	----------	--------	9
C18-C19	0.000000	14673.164722	----------	----------	--------	9
C20-C23	0.000000	28598.594583	----------	----------	--------	9
C24-C27	0.000000	26018.060556	----------	----------	--------	9
C28-C31	0.000000	21756.066667	----------	----------	--------	9
C[illegible]35	0.000000	15683.706806	----------	----------	--------	9
C[illegible]39	0.000000	11443.640357	----------	----------	--------	9
C40+	0.000000	4672.403115	----------	----------	--------	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 Time : 10/3/00 09:26 AM
Sample Number: 50 PPM Study : ICAL 9/30/00
(rator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 9/30/00 04:41 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

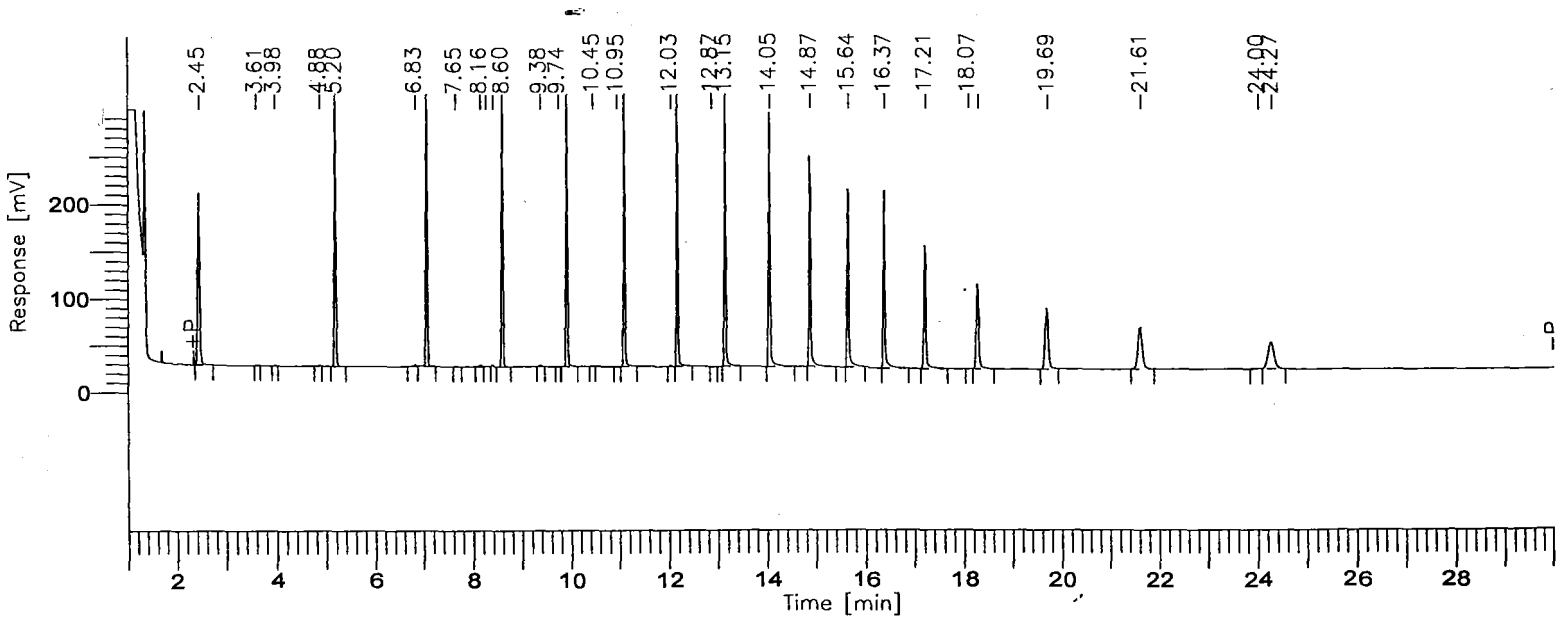
Raw Data File : C:\TC4\DATA_3\930_008.RAW
Result File : C:\TC4\DATA_3\930_008.rst
Inst Method : C:\TC4\DATA_3\METHODS\C8-C40A from C:\TC4\DATA_3\930_008.rst
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_3\930.SEQ

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

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

Instrument Conditions:

Total number of peaks detected: 33



8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.75	C8-C9	555543	42.3525	-------	10.0	
6.07	C10-C11	589271	41.5053	-------	10.0	
7.77	C12-C13	617666	40.8150	-------	10.0	
9.18	C14-C15	613035	41.4444	-------	10.0	
10.44	C16-C17	615091	41.9331	-------	10.0	
11.58	C18-C19	616439	42.0113	-------	10.0	
13.05	C20-C23	1204859	42.1300	-------	10.0	
14.78	C24-C27	1124656	43.2260	-------	10.0	
16.36	C28-C31	927712	42.6416	-------	10.0	
18.35	C32-C35	717781	45.7660	-------	10.0	
21.82	C36-C39	580556	50.7318	-------	10.0	
27.03	C40+	246423	52.7401	-------	10.0	
		8409034	527.2971			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
2.45		549737	0.5497	-------	10.0	
3.61		2086	0.0021	-------	10.0	
3.98		573	0.0006	-------	10.0	
4.88		3147	0.0031	-------	10.0	
		555543	0.5555			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.20		583106	0.5831	-------	10.0	
.83		6165	0.0062	-------	10.0	
		589271	0.5893			

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.08		606860	0.6069	-------	10.0	
7.65		429	0.0004	-------	10.0	
8.16		5921	0.0059	-------	10.0	
8.27		1112	0.0011	-------	10.0	
8.39		3344	0.0033	-------	10.0	
		617666	0.6177			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.60		606258	0.6063	-------	10.0	
9.38		5028	0.0050	-------	10.0	
9.74		1749	0.0017	-------	10.0	
		613035	0.6130			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.92		611843	0.6118	-------	10.0	
10.45		1091	0.0011	-------	10.0	
10.95		2157	0.0022	-------	10.0	
		615091	0.6151			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.10		613036	0.6130	-------	10.0	
12.03		3403	0.0034	-------	10.0	
		616439	0.6164			

Group Report For : C20-C23

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

12.17	610120	0.6101	-------	10.0	
12.87	945	0.0009	-------	10.0	
1[illegible]15	593793	0.5938	-------	10.0	
	1204859	1.2049			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.05		575535	0.5755	-------	10.0	
14.87		549122	0.5491	-------	10.0	
		1124656	1.1247			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
1[illegible] 64		488080	0.4881	-------	10.0	
1[illegible] 37		439632	0.4396	-------	10.0	
		927712	0.9277			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.21		384669	0.3847	-------	10.0	
18.07		2284	0.0023	-------	10.0	
18.27		330828	0.3308	-------	10.0	
		717781	0.7178			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
[illegible].69		294552	0.2946	-------	10.0	
21.61		279211	0.2792	-------	10.0	
24.00		6793	0.0068	-------	10.0	
		580556	0.5806			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
24.27		246423	0.2464	-------	10.0	
		246423	0.2464			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

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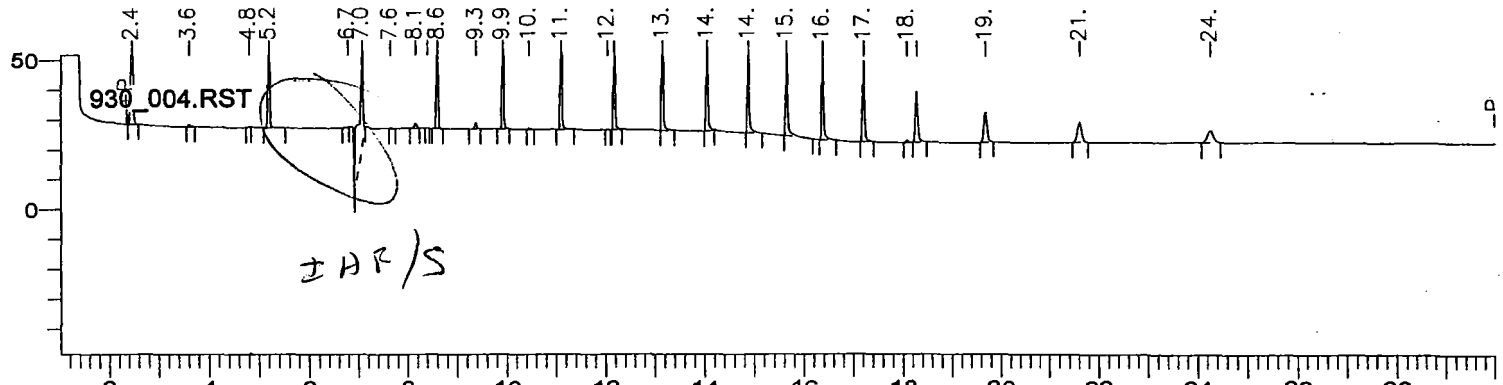
Report stored in ASCII file: C:\TC4\DATA_3\930_008.TX0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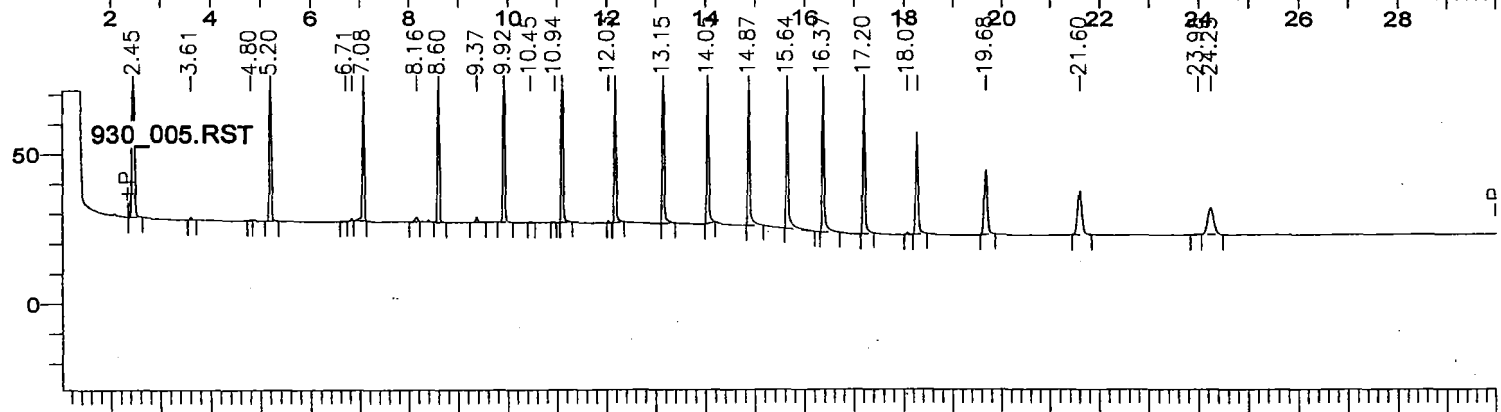
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10.94
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14.04
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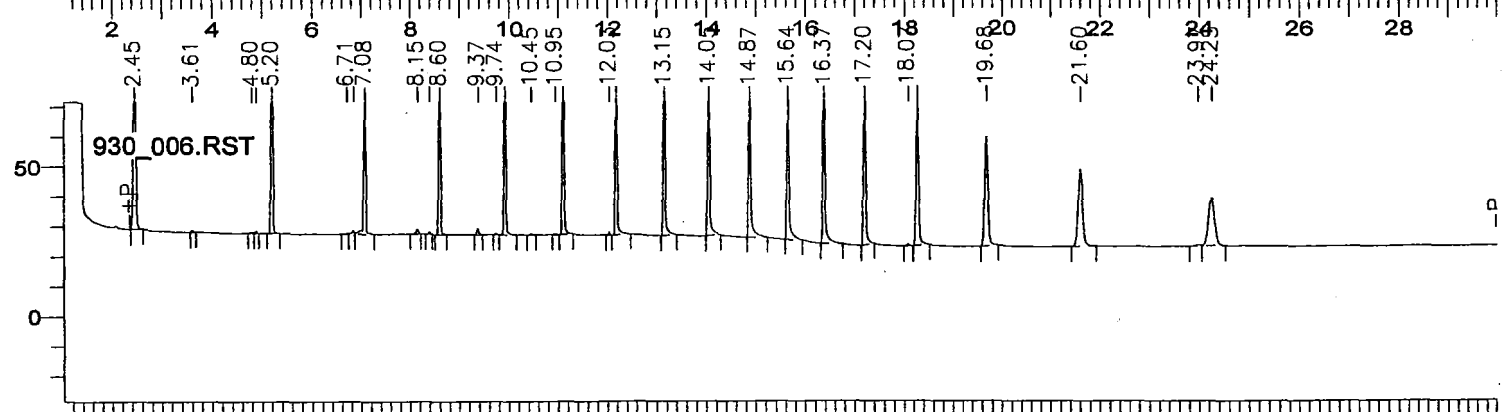
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10.95
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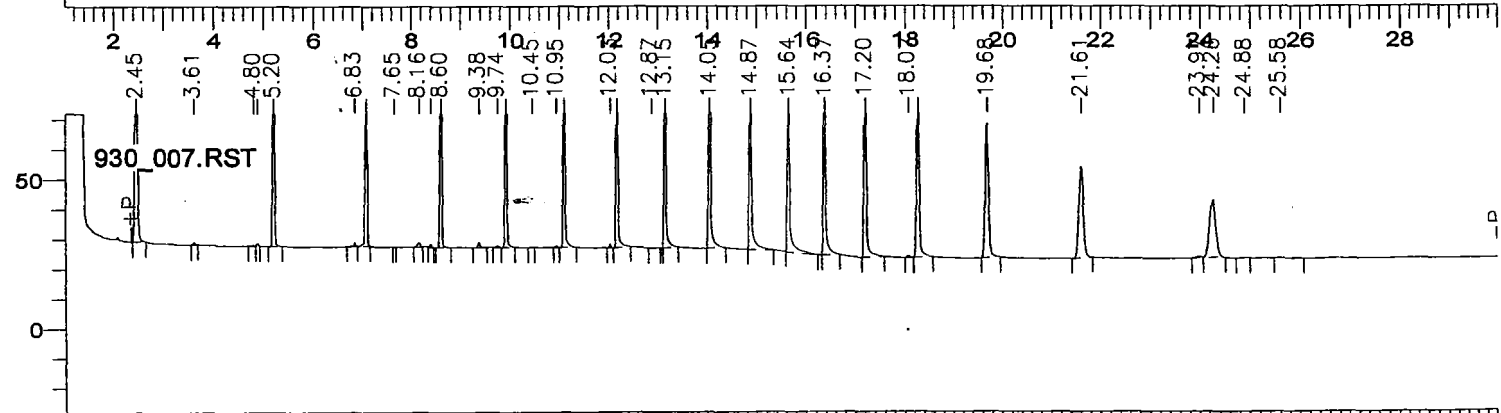
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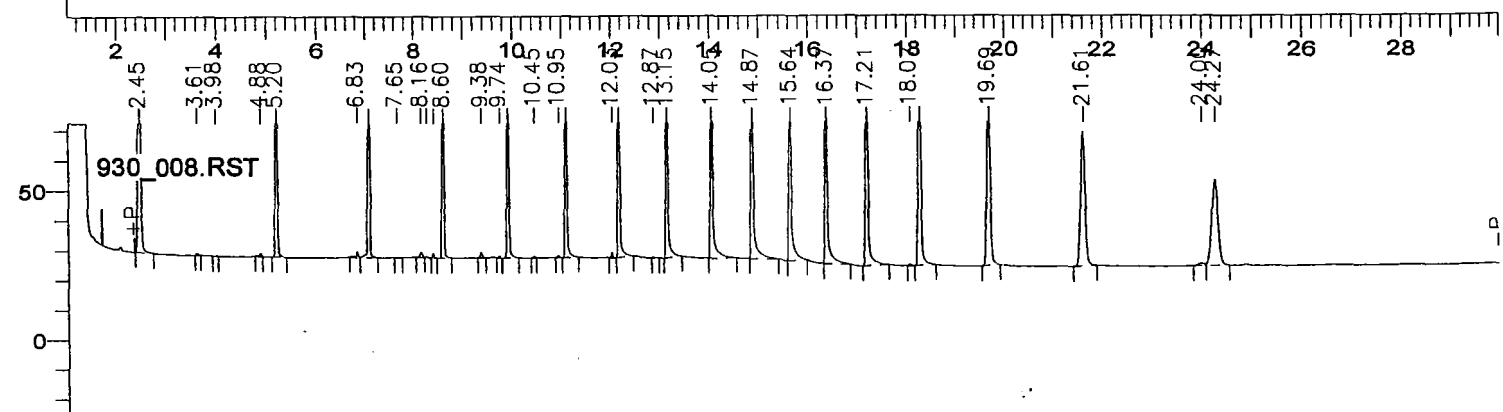
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28

Plot Title	Start Time	End Time	Scale (mV)	Offset (mV)
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Sample Name : #TEPH00-165 RT MARKER
Sample Number : 10 PPM
Instrument File Name : C:\TC4\DATA_3\METHODS\C8-C40A

930_005.RST	1.00	30.00	100.00	-28.73

Sample Name : #TEPH00-166 RT MARKER
Sample Number : 20 PPM
Instrument File Name : C:\TC4\DATA_3\METHODS\C8-C40A

930_006.RST	1.00	30.00	100.00	-28.42

Sample Name : #TEPH00-167 RT MARKER
Sample Number : 30 PPM
Instrument File Name : C:\TC4\DATA_3\METHODS\C8-C40A

930_007.RST	1.00	30.00	100.00	-28.00

Sample Name : #TEPH00-168 RT MARKER
Sample Number : 40 PPM
Instrument File Name : C:\TC4\DATA_3\METHODS\C8-C40A

930_008.RST	1.00	30.00	100.00	-27.38

Sample Name : #TEPH00-169 RT MARKER
Sample Number : 50 PPM
Instrument File Name : C:\TC4\DATA_3\METHODS\C8-C40A

Turbochrom Sequence File : C:\TC4\DATA_3\930.SEQ
Created by : EM on : 9/30/00 11:56 AM
Edited by : EC on : 10/3/00 08:15 AM
cription :

Number of Times Edited : 2

Sequence File Header Information:

Number of Rows : 69
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 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
2	Sample	DAILY RT MARKER	C8-C40	ICAL 9/27/	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 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
4	Cal:Replace	#TEPH00-165 RT	10 PPM	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
5	Cal:Replace	#TEPH00-166 RT	20 PPM	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
6	Cal:Replace	#TEPH00-167 RT	30 PPM	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
7	Cal:Replace	#TEPH00-168 RT	40 PPM	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
8	Cal:Replace	#TEPH00-169 RT	50 PPM	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
9	Sample	215-MB	DL3FR103B	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
10	Sample	215-LCS	DL3FR104C	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
11	Sample	215-01	DL1JW102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
12	Sample	215-02	DL1K2102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
13	Sample	215-03	DL1K4102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
14	Sample	215-04	DL1K8102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
15	Sample	215-05	DL1K9102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
	Sample	215-06	DL1KC102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
	Sample	215-06 MS	DL1KC10QS	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
18	Sample	215-06 MSD	DL1KC10RD	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
19	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
20	Std Check	#TEPH00-167 RT	30 PPM	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
21	Sample	215-07	DL1KE102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
22	Sample	215-08	DL1KG102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
23	Sample	215-10	DL1KJ102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
24	Sample	215-11	DL1KK102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
25	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
26	Std Check	#TEPH00-167 RT	30 PPM	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
27	Sample	MECL2	MECL2	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
28	Sample	DAILY RT MARKER	C8-C40	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
29	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
30	Std Check	#EPH00-167 RT M	30 PPM	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
31	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
32	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
33	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
34	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
35	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
36	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
37	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
38	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
39	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
40	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
41	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
42	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
43	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
44	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
45	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
46	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
47	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
48	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
49	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
50	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
53	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
54	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
55	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
56	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
57	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
58	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
59	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
60	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000

Supporting Raw Data

Metals

Lot # EOT040325

001131

STL Los Angeles
Précis
CVAA Data Summary Cover Sheet

Instrument ID: ICPT - M01 Analyst: [illegible]
Analytical Date: 10/06/00
Analysis by SOP: 6010B - 200.7 - CORP-MT-0001 Rev 2 ✓

Data File: P100600

Batch	Lot/Project	Data Upload	Review/Release	Pkg.
0279520	u OI 290180	[illegible] 10/09/00		
0278265	EOI 290369 ✓			
	EOJ 020201 ✓			
	EOJ 030246 ✓			
0279496	EOJ 040322 ✓			
	EOJ 040325 ✓			
	EOJ 030262 ✓			
0279506	EOJ 040325 ✓			
	EOJ 040324 x			
0279527	LOI 260267			

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

BOE-C6 0169496

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	STDBLK	P100600	QTESTNAK	10/06/00	14:22		X	IR
2	STD1	P100600	QTESTNAK	10/06/00	14:29		X	IR
3	ICVHP	P100600	QTESTNAK	10/06/00	14:35	KT	S	CONC
4	ICB	P100600	QTESTNAK	10/06/00	14:43	KT	S	CONC
5	ICSA	P100600	QTESTNAK	10/06/00	14:49	KT	S	CONC
6	ICSAB	P100600	QTESTNAK	10/06/00	14:55	KT	S	CONC
7	TEST-4.0	P100600	QTESTNAK	10/06/00	15:03	KT	S	CONC
8	TEST-CRI	P100600	QTESTNAK	10/06/00	15:11	KT	S	CONC
9	DLLWNB-0279520	P100600	QTESTNAK	10/06/00	15:22	KT	S	CONC
10	DLLWNC	P100600	QTESTNAK	10/06/00	15:28	KT	S	CONC
11	DL997	P100600	QTESTNAK	10/06/00	15:36	KT	S	CONC
12	DL99H	P100600	QTESTNAK	10/06/00	15:44	KT	S	CONC
13	DL99HP	P100600	QTESTNAK	10/06/00	15:52	KT	S	CONC
14	DL99HS	P100600	QTESTNAK	10/06/00	15:58	KT	S	CONC
15	CCVT	P100600	QTESTNAK	10/06/00	16:08	KT	S	CONC
16	CCBT	P100600	QTESTNAK	10/06/00	16:16	KT	Q	CONC
17	DL99HD	P100600	QTESTNAK	10/06/00	16:22	KT	S	CONC
18	DL99N	P100600	QTESTNAK	10/06/00	16:30	KT	S	CONC
19	DL99Q	P100600	QTESTNAK	10/06/00	16:38	KT	S	CONC
20	DL99R	P100600	QTESTNAK	10/06/00	16:46	KT	S	CONC
21	DLHG1BF-0278265	P100600	QTESTNAK	10/06/00	16:52	KT	S	CONC
22	DLHG1CF	P100600	QTESTNAK	10/06/00	16:58	KT	S	CONC
23	DLC69F	P100600	QTESTNAK	10/06/00	17:06	KT	S	CONC
24	DLC69PF	P100600	QTESTNAK	10/06/00	17:14	KT	S	CONC
25	DLC69SF	P100600	QTESTNAK	10/06/00	17:22	KT	S	CONC
26	DLC69DF	P100600	QTESTNAK	10/06/00	17:31	KT	S	CONC
27	CCVT	P100600	QTESTNAK	10/06/00	17:39	KT	S	CONC
28	CCBT	P100600	QTESTNAK	10/06/00	17:47	KT	Q	CONC
29	DLC6AF	P100600	QTESTNAK	10/06/00	17:53	KT	S	CONC
30	DLC6CF	P100600	QTESTNAK	10/06/00	18:01	KT	S	CONC
31	DLC6DF	P100600	QTESTNAK	10/06/00	18:11	KT	S	CONC
32	DLC6EF	P100600	QTESTNAK	10/06/00	18:19	KT	S	CONC
33	DLC6FF	P100600	QTESTNAK	10/06/00	18:25	KT	S	CONC
34	DLC6GF	P100600	QTESTNAK	10/06/00	18:33	KT	S	CONC
35	DLC6HF	P100600	QTESTNAK	10/06/00	18:41	KT	S	CONC
36	DLEKGF	P100600	QTESTNAK	10/06/00	18:47	KT	S	CONC
37	DLEKKF	P100600	QTESTNAK	10/06/00	18:55	KT	S	CONC
38	DLELEF	P100600	QTESTNAK	10/06/00	19:03	KT	S	CONC
39	CCVT	P100600	QTESTNAK	10/06/00	19:11	KT	S	CONC
40	CCBT	P100600	QTESTNAK	10/06/00	19:19	KT	Q	CONC
41	DLELJF	P100600	QTESTNAK	10/06/00	19:25	KT	S	CONC
42	DLELKF	P100600	QTESTNAK	10/06/00	19:33	KT	S	CONC
43	DLELLF	P100600	QTESTNAK	10/06/00	19:42	KT	S	CONC
44	DLELMF	P100600	QTESTNAK	10/06/00	19:50	KT	S	CONC
45	DLELNF	P100600	QTESTNAK	10/06/00	19:58	KT	S	CONC
46	DLGGNF	P100600	QTESTNAK	10/06/00	20:04	KT	S	CONC
47	DLGGXF	P100600	QTESTNAK	10/06/00	20:12	KT	S	CONC
48	DLGH2F	P100600	QTESTNAK	10/06/00	20:20	KT	S	CONC
49	DLGHGF	P100600	QTESTNAK	10/06/00	20:28	KT	S	CONC
50	CCVT	P100600	QTESTNAK	10/06/00	20:34	KT	S	CONC
51	CCBT.	P100600	QTESTNAK	10/06/00	20:42	KT	Q	CONC
52	DLLTPB-0279496	P100600	QTESTNAK	10/06/00	20:48	KT	S	CONC
53	DLLTPC	P100600	QTESTNAK	10/06/00	20:54	KT	S	CONC

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
54	DLGQN	P100600	QTESTNAK	10/06/00	21:02	KT	S	CONC
55	DLJK1	P100600	QTESTNAK	10/06/00	21:08	KT	S	CONC
56	DLJK1P	P100600	QTESTNAK	10/06/00	21:14	KT	S	CONC
57	DLJK1S	P100600	QTESTNAK	10/06/00	21:22	KT	S	CONC
58	DLJK1D	P100600	QTESTNAK	10/06/00	21:30	KT	S	CONC
59	DLJK8	P100600	QTESTNAK	10/06/00	21:40	KT	S	CONC
60	DLJKC	P100600	QTESTNAK	10/06/00	21:48	KT	S	CONC
61	DLJKE	P100600	QTESTNAK	10/06/00	21:56	KT	S	CONC
62	CCVT	P100600	QTESTNAK	10/06/00	22:02	KT	S	CONC
63	CCBT.	P100600	QTESTNAK	10/06/00	22:10	KT	Q	CONC
64	DLJKG	P100600	QTESTNAK	10/06/00	22:16	KT	S	CONC
65	DLJKJ	P100600	QTESTNAK	10/06/00	22:25	KT	S	CONC
66	DLJKL	P100600	QTESTNAK	10/06/00	22:33	KT	S	CONC
67	DLJKN	P100600	QTESTNAK	10/06/00	22:41	KT	S	CONC
68	DLJKW	P100600	QTESTNAK	10/06/00	22:47	KT	S	CONC
69	DLJL1	P100600	QTESTNAK	10/06/00	22:55	KT	S	CONC
70	DLJL4	P100600	QTESTNAK	10/06/00	23:01	KT	S	CONC
71	DLJL9	P100600	QTESTNAK	10/06/00	23:09	KT	S	CONC
72	DLJME	P100600	QTESTNAK	10/06/00	23:17	KT	S	CONC
73	DLJMG	P100600	QTESTNAK	10/06/00	23:25	KT	S	CONC
74	CCVT	P100600	QTESTNAK	10/06/00	23:31	KT	S	CONC
75	CCBT.	P100600	QTESTNAK	10/06/00	23:39	KT	Q	CONC
76	DLJMK	P100600	QTESTNAK	10/06/00	23:45	KT	S	CONC
77	DLJML	P100600	QTESTNAK	10/06/00	23:53	KT	S	CONC
8	DLLVCB-0279506	P100600	QTESTNAK	10/07/00	00:01	KT	S	CONC
79	DLLVCC	P100600	QTESTNAK	10/07/00	00:07	KT	S	CONC
80	DLJMP	P100600	QTESTNAK	10/07/00	00:15	KT	S	CONC
81	DLJMQ	P100600	QTESTNAK	10/07/00	00:21	KT	S	CONC
82	DLJMV	P100600	QTESTNAK	10/07/00	00:29	KT	S	CONC
83	DLJN0	P100600	QTESTNAK	10/07/00	00:35	KT	S	CONC
84	DLJN1	P100600	QTESTNAK	10/07/00	00:41	KT	S	CONC
85	DLJN5	P100600	QTESTNAK	10/07/00	00:49	KT	S	CONC
86	CCVT	P100600	QTESTNAK	10/07/00	00:57	KT	S	CONC
87	CCBT'	P100600	QTESTNAK	10/07/00	01:06	KT	Q	CONC
88	DLJN5P	P100600	QTESTNAK	10/07/00	01:12	KT	S	CONC
89	DLJN5S	P100600	QTESTNAK	10/07/00	01:20	KT	S	CONC
90	DLJN5D	P100600	QTESTNAK	10/07/00	01:28	KT	S	CONC
91	DLJN8	P100600	QTESTNAK	10/07/00	01:36	KT	S	CONC
92	DLJNC	P100600	QTESTNAK	10/07/00	01:44	KT	S	CONC
93	DLJNE	P100600	QTESTNAK	10/07/00	01:52	KT	S	CONC
94	DLJNP	P100600	QTESTNAK	10/07/00	01:58	KT	S	CONC
95	DLJNV	P100600	QTESTNAK	10/07/00	02:06	KT	S	CONC
96	DLJP2	P100600	QTESTNAK	10/07/00	02:14	KT	S	CONC
97	DLJP4	P100600	QTESTNAK	10/07/00	02:22	KT	S	CONC
98	CCVT	P100600	QTESTNAK	10/07/00	02:28	KT	S	CONC
99	CCBT'	P100600	QTESTNAK	10/07/00	02:36	KT	Q	CONC
100	DLJP5	P100600	QTESTNAK	10/07/00	02:42	KT	S	CONC
101	DLJP8	P100600	QTESTNAK	10/07/00	02:48	KT	S	CONC
102	DLJP9	P100600	QTESTNAK	10/07/00	02:56	KT	S	CONC
03	DLJLH	P100600	QTESTNAK	10/07/00	03:02	KT	S	CONC
104	DLJLM	P100600	QTESTNAK	10/07/00	03:10	KT	S	CONC
105	CCVT	P100600	QTESTNAK	10/07/00	03:19	KT	S	CONC
106	CCBT'	P100600	QTESTNAK	10/07/00	03:27	KT	Q	CONC
107	DLLWVBT-0279522	P100600	QTESTNAK	10/07/00	03:33	KT	S	CONC

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
108	DLLWVCT	P100600	QTESTNAK	10/07/00	03:41	KT	S	CONC
109	DL3C9T	P100600	QTESTNAK	10/07/00	03:49	KT	S	CONC
110	DL3C9PT	P100600	QTESTNAK	10/07/00	03:57	KT	S	CONC
111	DL3C9ST	P100600	QTESTNAK	10/07/00	04:03	KT	S	CONC
112	DL3C9DT	P100600	QTESTNAK	10/07/00	04:11	KT	S	CONC
113	DLLWVCT 5X	P100600	QTESTNAK	10/07/00	04:19	KT	S	CONC
114	DL3C9ST 5X	P100600	QTESTNAK	10/07/00	04:27	KT	S	CONC
115	DL3C9DT 5X	P100600	QTESTNAK	10/07/00	04:35	KT	S	CONC
116	CCVT	P100600	QTESTNAK	10/07/00	04:43	KT	S	CONC
117	CCBT,	P100600	QTESTNAK	10/07/00	04:51	KT	Q	CONC

STL LOS ANGELES

Précis

Metals Preparation

Batch: 027946

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

Prepared By: [illegible] Date/Time Initiated: 10/5/00 / 19:15

Reviewed By: [illegible] Date/Time Completed: 10/06/00 / 14:00

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	/ mL	QSKP1B-072000-1	07/2001
3. QSPK2A	/ mL	QSPK2A 072000-1	04/2002
4. QSPK2B	/ mL	QCAL6B-112299-1	05/2001

Reagents	Volume	Lot #
HNO_3	10.0 mL	6623 T09A058
H_2O_2	4.0 mL	~~001185~~ 5240 T15A01 [illegible] 10/06/00
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. @ 10:00 p.m.!
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. 11:15 AM
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: 10/06/00 Received By: [illegible] Date: 10/06/00

N:\inorganics\metals\forms\Q_prep
10/02/00

RQC057

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

Run Date: 10/06/00
Time: 16:33:34

BATCH NUMBER: **0279496**

PREP DATE: 10/05/00
DUE DATE 10/10/00

INITIALS: TM

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0J030262	DLGQN	01	X 1.01 g	____g	____g	____g
SOLID	TO DUE DATE:		10/10/00			
E0J040322	DLJK1	01	X 1.00 g	____g	____g	____g
SOLID	TO DUE DATE:		10/10/00			
	DLJK1S		1.00 g	____g	____g	____g
	DLJK1D		1.00 g	____g	____g	____g
E0J040322	DLJK8	01	X 1.00 g	____g	____g	____g
SOLID	TO DUE DATE:		10/10/00			
E0J040322	DLJKC	01	X 1.01 g	____g	____g	____g
SOLID	TO DUE DATE:		10/10/00			
E0J040322	DLJKE	01	X 1.00 g	____g	____g	____g
SOLID	TO DUE DATE:		10/10/00			
E0J040322	DLJKG	01	X 1.01 g	____g	____g	____g
SOLID	TO DUE DATE:		10/10/00			
E0J040322	DLJKJ	01	X 1.01 g	____g	____g	____g
SOLID	TO DUE DATE:		10/10/00			
E0J040322	DLJKL	01	X 1.01 g	____g	____g	____g
SOLID	TO DUE DATE:		10/10/00			
E0J040322	DLJKN	01	X 1.00 g	____g	____g	____g
SOLID	TO DUE DATE:		10/10/00			
E0J040322	DLJKW	01	X 1.01 g	____g	____g	____g
SOLID	TO DUE DATE:		10/10/00			
E0J040322	DLJL1	01	X 1.00 g	____g	____g	____g
SOLID	TO DUE DATE:		10/10/00			
E0J040322	DLJL4	01	X 1.01 g	____g	____g	____g
SOLID	TO DUE DATE:		10/10/00			
E0J040322	DLJL9	01	X 1.01 g	____g	____g	____g
SOLID	TO DUE DATE:		10/10/00			
E0J040325	DLJME	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: 10/06/00
Time: 16:33:34

BATCH NUMBER: **0279496**

PREP DATE: 10/05/00
DUE DATE 10/10/00

INITIALS: TM

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0J040325	DLJMG	01	X .99 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040325	DLJMK	01	X 1.00 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040325	DLJML	01	X 1.00 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J050000	DLLTPB	01	X 1.00 g	_____g	_____g	_____g
SOLID	DUE DATE:		0/00/00			
	DLLTPC		1.03g	_____g	_____g	_____g

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

COMMENTS: Final Vol: 100 ml
B-BLANK/C-LCS/D-MSD/I-REANALYSIS/L-LCSD/P-SERIAL DLTN/S-MS/X-SAMP DUP/Y-SAMP CONF/Z-PDS
SPIKING WITNESSED BY _____

ICP ELEMENTS WITHIN THE BATCH:

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

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

STL LOS ANGELES

Précis

Metals Preparation

Batch: 0279506

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

Prepared By: [illegible] Date/Time Initiated: 10/5/00 / 20:00

Reviewed By: [illegible] Date/Time Completed: 10/6/00 / 1330

Hot Plate/Block # 4 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	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~~ 5240 T 15A01 [illegible] 10/06/00
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. @ 22:00 (10:00 pm!).
- Step 7. Cool and add 2 mL of water and 3 Ml of 30% H_2O_2.
- Step 8. Heat until effervescence subsides.
- Step 9. Cool and add 1 mL H_2O_2 with heat effervescence is minimal.
- Step 10. Reduce volume to approx. 5 mL or heat for 2 hours. → 11:15 AM
- 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: 10/6/00 Received By: KM Date: 10/06/00

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: 17:08:35

BATCH NUMBER: **0279506**

PREP DATE: 10/05/00
DUE DATE 10/10/00

INITIALS: Th 10/5/00

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0J040325	DLJMP	01	X 1.00 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040325	DLJMQ	01	X 1.00 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040325	DLJMV	01	X 1.00 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040325	DLJN0	01	X 1.00 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040325	DLJN1	01	X 1.00 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040325	DLJN5	01	X 1.00 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
	DLJN5S		1.00 g	_____g	_____g	_____g
	DLJN5D		1.00 g	_____g	_____g	_____g
E0J040325	DLJN8	01	X 1.00 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040325	DLJNC	01	X 1.00 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040325	DLJNE	01	X 1.00 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040325	DLJNP	01	X 1.00 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040325	DLJNV	01	X 1.01 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040325	DLJP2	01	X 1.00 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040325	DLJP4	01	X 1.00 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040325	DLJP5	01	X 1.00 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: 17:08:35

BATCH NUMBER: **0279506**

PREP DATE: 10/05/00
DUE DATE 10/10/00

INITIALS: Jm 10/5/00

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0J040325	DLJP8	01	X 1.00 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040325	DLJP9	01	X 1.00 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040324	DLJLH	01	X 1.00 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/11/00			
E0J040324	DLJLM	01	X 1.00 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/11/00			
E0J050000	DLLVCB	01	X 1.00 g	_____g	_____g	_____g
SOLID	DUE DATE:		0/00/00			
	DLLVCC		1.00 g	_____g	_____g	_____g

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

COMMENTS: F.V. = 100 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: 17:08:35

BATCH NUMBER: **0279506**

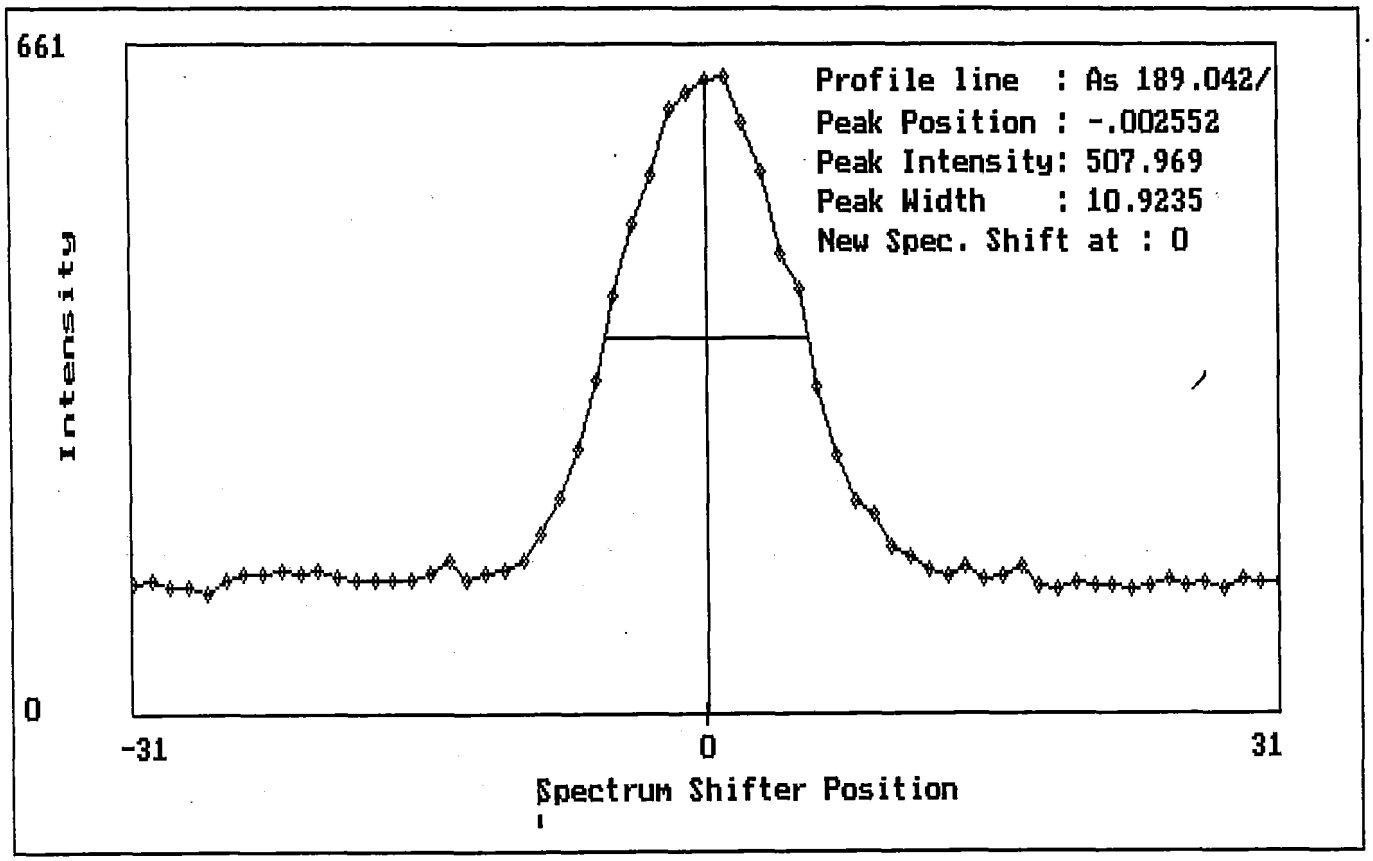
PREP DATE: 10/05/00
DUE DATE 10/10/00

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	_____	_____	____	___	___


661
Intensity
0
-31
0
31
Spectrum Shifter Position
Profile line : As 189.042/
Peak Position : -.002552
Peak Intensity: 507.969
Peak Width : 10.9235
New Spec. Shift at : 0

10/06/00

Quanterra ICP Data Review Checklist

Run/Project Information:

Run Date: 10/06/00 **Analyst:** [illegible] **Instrument:** MCI
Prep Batches Run: see coversheet

Circle Methods used: 6010B / 200.7: CORP-MT-0001 Rev 2
CLP ILMO3.0/4.0 : CORP-MT-0002 Rev 1

Review Items

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Instrument calibrated per manufacturer's instructions and at SOP specified levels ?	✓			
2. ICV/CCV analyzed at appropriate frequency and within control limits ? (6010B, CLP = 90 - 110%, 200.7 = 95 -105%[ICV])	✓			
3. ICB/CCB analyzed at appropriate frequency and within +/- RL or +/- CRDL (CLP) ?	✓			
4. CRI analyzed? (for CLP only)	✓			
5. ICSA/ICSAB run at required frequency and within SOP limits ?	✓			
B. Sample Results				
1. Were samples with concentrations > the linear range for any parameter diluted and reanalyzed ?		✓	✓ 10/09/00	
2. All reported results bracketed by in control QC ?	✓			
3. Sample analyses done within holding time ?	✓			
C. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits ?	✓			
2. Method blank done per prep batch and < RL or CRDL (CLP) ?	✓			
3. MS run at required frequency and within limits ?		✓		
4. MSD or DU run at required frequency and RPD within SOP limits ?		✓		
5. Dilution Test done per prep batch (or per SDG for CLP) ?	✓			
6. Post digest spike analyzed if required (CLP only) ?			✓	
D. Other				
1. Are all nonconformances documented appropriately ?			✓	
2. Current IDL/LR/IEC data on file ?	✓			
3. Calculations checked for error ?	✓			
4. Transcriptions checked for error ?	✓			
5. All client/project specific requirements met ?	✓			
6. Date/time of analysis verified as correct ?	✓			

Analyst: [illegible] **Date:** 10/09/00
Comments: The LCS controls the batch where the MS/SD is out

2nd Level Reviewer : _____ **Date:** _____
Comments: _____

Method: QTESTNAK Standard: STDBLK
Run Time: 10/06/00 14:22:43

Elem	Al3082	As1890	Ba4934	Be3130	Cd_tr	Ca3179	Cr_tr
Avge	.09020	-.01401	.00029	.00088	.01912	.00204	.00452
SDev	.00106	.00162	.00000	.00000	.00313	.00000	.00020
%RSD	1.1740	11.587	.19899	.19899	16.390	.19898	4.3632
#1	.09095	-.01516	.00029	.00087	.01691	.00204	.00466
#2	.08945	-.01286	.00029	.00088	.02134	.00205	.00439

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Mo2020	Ni2316
Avge	-.00015	.00876	-.00073	.00073	.00029	.00015	-.00029
SDev	.00021	.00002	.00062	.00021	.00000	.00021	.00000
%RSD	141.42	.19898	84.725	28.475	.19899	141.42	.19899
#1	.00000	.00875	-.00117	.00058	.00029	.00029	-.00029
#2	-.00029	.00877	-.00029	.00088	.00029	.00000	-.00029

Elem	Ag_tr	Na3302	Tl1908	Ti3349	V_2924	Zn2138	Sn1899
Avge	-.00000	-.00686	-.02992	-.00117	.00029	.00088	-.00088
SDev	.00041	.00019	.00097	.00000	.00000	.00000	.00000
%RSD	100510.	2.8101	3.2504	.19899	.19899	.19899	.19899
#1	.00029	-.00700	-.03061	-.00117	.00029	.00087	-.00087
#2	-.00029	-.00672	-.02923	-.00117	.00029	.00088	-.00088

lem	2068_1	2068_2	2203_1	2203_2	1960_1	1960_2	B_2496
Avge	-.00773	.00146	.05910	-.00277	-.00949	.00774	-.0001
SDev	.00391	.00206	.01784	.00639	.00146	.00060	.0002
%RSD	50.525	141.42	30.190	231.07	15.427	7.8066	141.4
#1	-.01049	.00292	.07171	-.00729	-.00845	.00816	.0000
#2	-.00497	.00000	.04648	.00175	-.01052	.00731	-.0003

Elem	Sr4215	Si2881
Avge	.0000	.0550
SDev	.0000	.0003
%RSD	.0000	.5741
#1	.0000	.0548
#2	.0000	.0553

IntStd Code	1 Counts	2 NOTUSED	3 NOTUSED	4 NOTUSED	5 NOTUSED	6 NOTUSED	7 NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6851	--	--	--	--	--	--
SDev	13.63287	--	--	--	--	--	--
%RSD	.1989874	--	--	--	--	--	--
#1	6861	--	--	--	--	--	--
#2	6841	--	--	--	--	--	--

Method: QTESTNAK Standard: STD1
P Time: 10/06/00 14:29:15

Elem	Al3082	As1890	Ba4934	Be3130	Cd_tr	Ca3179	Cr_tr
Avge	15.442	2.2336	3.4630	6.8772	17.776	2.5884	8.3678
SDev	.017	.0151	.0002	.0007	.000	.0019	.0046
%RSD	.10904	.67768	.00501	.01008	.00197	.07211	.05489
#1	15.454	2.2443	3.4631	6.8767	17.776	2.5871	8.3711
#2	15.430	2.2229	3.4629	6.8777	17.775	2.5897	8.3646

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Mo2020	Ni2316
Avge	1.1799	3.0526	3.3992	21.674	3.5879	.46971	1.2853
SDev	.0005	.0018	.0002	.003	.0011	.00497	.0027
%RSD	.03972	.06024	.00598	.01286	.03195	1.0578	.20689
#1	1.1802	3.0539	3.3991	21.672	3.5887	.46620	1.2834
#2	1.1795	3.0513	3.3994	21.676	3.5871	.47323	1.2872

Elem	Ag_tr	Na3302	Tl1908	Ti3349	V_2924	Zn2138	Sn1899
Avge	5.9222	3.6271	2.4846	2.1171	1.7791	1.0879	.19417
SDev	.0016	.0063	.0163	.0008	.0018	.0006	.00048
%RSD	.02665	.17405	.65583	.03767	.10104	.05060	.24599
#1	5.9211	3.6316	2.4731	2.1166	1.7778	1.0883	.19450
#2	5.9233	3.6226	2.4962	2.1177	1.7803	1.0875	.19383

.em	2068_1	2068_2	2203_1	2203_2	1960_1	1960_2	B_2496
Avge	1.3365	.66817	5.3732	2.2551	.29332	.39845	.5885
SDev	.0092	.00189	.0100	.0022	.00017	.00296	.0014
%RSD	.68886	.28347	.18542	.09847	.05892	.74157	.2362
#1	1.3300	.66683	5.3803	2.2535	.29344	.39636	.5875
#2	1.3430	.66951	5.3662	2.2566	.29320	.40054	.5895

Elem	Sr4215	Si2881
Avge	7.302	1.360
SDev	.007	.004
%RSD	.0922	.3120
#1	7.306	1.357
#2	7.297	1.363

tStd	1	2	3	4	5	6	7
de	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6525	--	--	--	--	--	--
SDev	5.798414	--	--	--	--	--	--
%RSD	.0888605	--	--	--	--	--	--
#1	6529	--	--	--	--	--	--
#2	6521	--	--	--	--	--	--

Standardization Report 10/06/00 02:35:10 PM page 1

Method: QTESTNAK Slope = Conc(SIR)/IR

Element	Wavelen	High std	Low std	Slope	Y-intercept	Date Standardized
Pb2203	220.353	NONE	NONE	.000000	.000000	*NOT STANDARDIZED
Se1960	196.026	NONE	NONE	.000000	.000000	*NOT STANDARDIZED
Sb2068	206.838	NONE	NONE	.000000	.000000	*NOT STANDARDIZED
Al3082	308.215	STD1	STDBLK	3.26577	-.294583	10/06/00 02:29:15
As1890	189.042	STD1	STDBLK	.445683	.006244	10/06/00 02:29:15
Ba4934	493.409	STD1	STDBLK	1.15517	-.000337	10/06/00 02:29:15
Be3130	313.042	STD1	STDBLK	.582077	-.000510	10/06/00 02:29:15
Cd_tr	226.502	STD1	STDBLK	.056788	-.001086	10/06/00 02:29:15
Ca3179	317.933	STD1	STDBLK	77.3369	-.158035	10/06/00 02:29:15
Cr_tr	267.716	STD1	STDBLK	.478379	-.002164	10/06/00 02:29:15
Co2286	228.616	STD1	STDBLK	3.39869	.000497	10/06/00 02:29:15
Cu3247	324.753	STD1	STDBLK	1.31378	-.011506	10/06/00 02:29:15
Fe2714	271.441	STD1	STDBLK	14.8291	.010813	10/06/00 02:29:15
Mg2790	279.078	STD1	STDBLK	9.22246	-.006733	10/06/00 02:29:15
Mn2576	257.610	STD1	STDBLK	1.11496	-.000325	10/06/00 02:29:15
Mo2020	202.030	STD1	STDBLK	8.50774	-.001240	10/06/00 02:29:15
Ni2316	231.604	STD1	STDBLK	3.11139	.000908	10/06/00 02:29:15
Ag_tr	328.068	STD1	STDBLK	.337936	.000000	10/06/00 02:29:15
Na3302	330.232	STD1	STDBLK	1.05320	.018988	10/06/00 02:29:15
Tl1908	190.864	STD1	STDBLK	.800746	.023959	10/06/00 02:29:15
Ti3349	334.941	STD1	STDBLK	1.88871	.002205	10/06/00 02:29:15
V_2924	292.402	STD1	STDBLK	2.25017	-.000657	10/06/00 02:29:15
Zn2138	213.856	STD1	STDBLK	3.70573	-.003245	10/06/00 02:29:15
Sn1899	189.989	STD1	STDBLK	20.5253	.017975	10/06/00 02:29:15
58_1	206.831	STD1	STDBLK	.719054	.005560	10/06/00 02:29:15
2068_2	206.832	STD1	STDBLK	1.48272	-.002161	10/06/00 02:29:15
2203_1	220.351	STD1	STDBLK	.191356	-.011309	10/06/00 02:29:15
2203_2	220.352	STD1	STDBLK	.439334	.001216	10/06/00 02:29:15
1960_1	196.021	STD1	STDBLK	3.30946	.031403	10/06/00 02:29:15
1960_2	196.022	STD1	STDBLK	2.49332	-.019287	10/06/00 02:29:15
B_2496	249.678	STD1	STDBLK	6.79549	.000993	10/06/00 02:29:15
Sr4215.	421.552	STD1	STDBLK	.547815	.000000	10/06/00 02:29:15
Si2881	288.158	STD1	STDBLK	3.06534	-.168679	10/06/00 02:29:15

Analysis Report 10/06/00 02:41:41 PM page 1

Method: QTESTNAK Sample Name: ICVHP Operator: KT
Run Time: 10/06/00 14:35:47
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.98237	.97287	.99151	9.9291	.97519	1.0160	1.0275
SDev	.00129	.00065	.00021	.0076	.00222	.0015	.0004
%RSD	.13093	.06708	.02079	.07705	.22815	.15101	.03948
#1	.98328	.97241	.99136	9.9237	.97361	1.0149	1.0278
#2	.98146	.97333	.99165	9.9345	.97676	1.0171	1.0272
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	1.0010	40.646	1.0272	1.0036	.98170	10.311	39.850
SDev	.0005	.019	.0007	.0015	.00047	.002	.029
%RSD	.04837	.04788	.06668	.14967	.04826	.02342	.07381
#1	1.0014	40.632	1.0267	1.0025	.98204	10.313	39.829
#2	1.0007	40.660	1.0277	1.0046	.98137	10.310	39.871
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	1.0418	.99377	1.0213	.39032	38.377	5.0542	1.0367
SDev	.0006	.00721	.0014	.00061	.061	.0079	.0013
%RSD	.05285	.72596	.13570	.15553	.15989	.15641	.12254
#1	1.0414	.98867	1.0203	.39075	38.333	5.0598	1.0358
#2	1.0422	.99887	1.0223	.38989	38.420	5.0487	1.0376
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	1.0219	1.0192	.96060	.99418	.98615	.97857	.98428
SDev	.0004	.0001	.00853	.00162	.00386	.00385	.00000
%RSD	.03791	.00785	.88825	.16272	.39137	.39378	.00045
#1	1.0222	1.0192	.96664	.99532	.98342	.98130	.98428
#2	1.0217	1.0193	.95457	.99304	.98888	.97585	.98427
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	1.1000	1.1000	1.1000				
Low	.90000	.90000	.90000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.97673	.97094	.9743	1.027	L.8653
SDev	.00285	.00044	.0086	.001	.0006
%RSD	.29176	.04577	.8855	.1310	.0648
#1	.97472	.97125	.9682	1.026	L.8657
#2	.97875	.97062	.9804	1.028	L.8649
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	6745	--	--	--	--	--	--
SDev	.5372354	--	--	--	--	--	--
%RSD	.0079652	--	--	--	--	--	--
#1	6745	--	--	--	--	--	--
#2	6744	--	--	--	--	--	--

Method: QTESTNAK Sample Name: ICB Operator: KT
Run Time: 10/06/00 14:43:52
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00126	-.00046	.00198	.00108	.00158	.00000	.00018
SDev	.00050	.00103	.00370	.00306	.00175	.00000	.00000
%RSD	39.716	225.61	186.34	282.37	110.81	33.748	1.5076
#1	.00161	.00027	.00460	.00325	.00034	.00000	.00018
#2	.00090	-.00118	-.00063	-.00108	.00282	.00000	.00018
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	.00006	.00162	.00059	-.00001	.00031	.01300	.00421
SDev	.00035	.00055	.00029	.00071	.00031	.00305	.00381
%RSD	581.67	33.791	49.404	12736.	100.95	23.448	90.567
#1	-.00019	.00123	.00079	-.00051	.00009	.01085	.00690
#2	.00031	.00200	.00038	.00049	.00053	.01516	.00151
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	.00378	.00183	-.00020	.18126	.00223	.00081
SDev	.00000	.00002	.00130	.00000	.03997	.00542	.00040
%RSD	33.748	.46223	71.156	.38015	22.051	242.76	49.076
#1	.00000	.00377	.00091	-.00020	.15300	.00606	.00109
#2	.00000	.00379	.00275	-.00020	.20953	-.00160	.00053
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	-.00032	.00002	.00285	.00208	.00180	.00108	.00135
SDev	.00047	.00001	.00423	.00493	.00122	.00144	.00147
%RSD	144.00	30.080	148.41	237.40	68.054	133.26	109.03
#1	.00001	.00002	-.00014	.00556	.00266	.00006	.00238
#2	-.00066	.00003	.00584	-.00141	.00093	.00210	.00031
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	-.00325	.00094	.0010	.0002	.0017
SDev	.00219	.00045	.0000	.0000	.0001
%RSD	67.387	47.809	.0000	.3420	3.273
#1	-.00170	.00126	.0010	.0002	.0018
#2	-.00480	.00062	.0010	.0002	.0017
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	6782	--	--	--	--	--	--
SDev	23.19297	--	--	--	--	--	--
%RSD	.3419924	--	--	--	--	--	--
#1	6798	--	--	--	--	--	--
#2	6765	--	--	--	--	--	--

Method: QTESTNAK Sample Name: ICSA Operator: KT
Run Time: 10/06/00 14:49:49
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00145	-.00603	.00522	496.15	.00460	.00041	-.00004
SDev	.00086	.00596	.00125	.54	.00376	.00000	.00013
%RSD	59.126	98.819	24.002	.10984	81.766	.13495	324.76
#1	-.00084	L-.01024	.00611	495.76	.00725	.00041	.00005
#2	-.00206	-.00182	.00434	496.53	.00194	.00041	-.00014
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	.00122	483.28	-.00187	.00093	-.00085	194.67	490.14
SDev	.00104	.02	.00033	.00000	.00031	.19	.00
%RSD	85.271	.00458	17.575	.02597	36.464	.09722	.00051
#1	.00048	483.26	-.00164	.00093	-.00107	194.53	490.14
#2	.00196	483.29	-.00210	.00093	-.00063	194.80	490.14
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	-.00356	.00335	.00241	-.00087	.11640	.00614	-.00023
SDev	.00000	.00193	.00071	.00015	.05850	.02152	.00000
%RSD	.06706	57.699	29.431	17.756	50.262	350.44	.75589
#1	-.00356	.00471	.00191	-.00076	.07503	-.00908	-.00023
#2	-.00356	.00198	.00291	-.00098	.15777	H.02136	-.00023
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	.00022	-.00041	.00878	.00386	.00796	.01748	-.01090
SDev	.00102	.00086	.00466	.00167	.00710	.00199	.00029
%RSD	455.63	210.40	53.135	43.145	89.253	11.383	2.6917
#1	-.00050	.00020	.00548	.00268	.01298	.01888	-.01069
#2	.00095	-.00102	.01208	.00504	.00294	.01607	-.01111
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	-.01028	-.00391	.0098	.0152	.0081
SDev	.00606	.01196	.0000	.0000	.0013
%RSD	58.957	305.94	.0663	.0738	15.64
#1	-.00599	-.01236	.0097	.0152	.0090
#2	-.01456	.00455	.0098	.0152	.0072
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	6208	--	--	--	--	--	--
SDev	4.582038	--	--	--	--	--	--
%RSD	.0738115	--	--	--	--	--	--
#1	6211	--	--	--	--	--	--
#2	6205	--	--	--	--	--	--

Method: QTESTNAK Sample Name: ICSAB Operator: KT
Run Time: 10/06/00 14:55:46
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0025	1.0013	1.0476	498.22	1.0349	.51933	.50242
SDev	.0022	.0048	.0113	.14	.0058	.00042	.00068
%RSD	.22190	.47604	1.0827	.02793	.56402	.08138	.13631
#1	1.0041	.99795	1.0395	498.31	1.0308	.51963	.50291
#2	1.0010	1.0047	1.0556	498.12	1.0390	.51904	.50194
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	.96098	483.95	.49097	.49391	.53568	194.86	492.08
SDev	.00298	1.03	.00190	.00093	.00103	.13	.33
%RSD	.30982	.21299	.38632	.18733	.19175	.06531	.06778
#1	.96308	484.68	.49232	.49456	.53495	194.95	492.32
#2	.95887	483.22	.48963	.49325	.53640	194.77	491.85
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	.50521	1.0086	.98929	1.0664	H13.214	1.0423	.00027
SDev	.00092	.0094	.00456	.0011	.062	.0093	.00000
%RSD	.18174	.93150	.46133	.10656	.46633	.88869	.36283
#1	.50586	1.0019	.99252	1.0672	H13.258	1.0488	.00027
#2	.50457	1.0152	.98607	1.0656	H13.170	1.0357	.00027
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	.50054	1.0481	.00212	1.0501	1.0424	1.0163	.99568
SDev	.00015	.0020	.01405	.0166	.0008	.0040	.00134
%RSD	.02922	.18938	661.24	1.5824	.07429	.39353	.13445
#1	.50065	1.0495	.01206	1.0384	1.0419	1.0191	.99663
#2	.50044	1.0467	-.00781	1.0619	1.0430	1.0135	.99474
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.60000	1.2000	.20000				
Low	.40000	.80000	-.20000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	1.0180	.99299	.0098	.0152	.0040
SDev	.0169	.01559	.0031	.0000	.0008
%RSD	1.6623	1.5705	31.79	.0306	18.79
#1	1.0300	.98196	.0120	.0152	.0045
#2	1.0060	1.0040	.0076	.0152	.0035
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	6195	--	--	--	--	--	--
SDev	1.895171	--	--	--	--	--	--
%RSD	.0305911	--	--	--	--	--	--
#1	6194	--	--	--	--	--	--
#2	6197	--	--	--	--	--	--

Method: QTESTNAK Sample Name: TEST-4.0 Operator: KT
Run Time: 10/06/00 15:03:51
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04866	.04436	.62775	497.48	.09919	.52025	.50854
SDev	.00125	.00409	.00062	.18	.00406	.00013	.00002
%RSD	2.5633	9.2201	.09848	.03706	4.0929	.02422	.00466
#1	.04778	.04147	.62819	497.61	.10206	.52016	.50856
#2	.04954	.04725	.62731	497.35	.09632	.52034	.50852
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.06000	.06000	.72000	600.00	.12000	.60000	.60000
Low	.04000	.04000	.48000	400.00	.08000	.40000	.40000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.96660	483.37	.49050	.49811	.55542	194.83	492.12
SDev	.00371	.48	.00068	.00063	.00039	.15	.23
%RSD	.38375	.09887	.13813	.12604	.07096	.07934	.04681
#1	.96922	483.71	.49098	.49767	.55515	194.94	491.96
#2	.96398	483.03	.49002	.49856	.55570	194.72	492.29
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	.50034	1.0044	.97681	.21344	H13.120	.09725	.00027
SDev	.00012	.0109	.00019	.00019	.051	.01244	.00000
%RSD	.02386	1.0869	.01996	.09123	.38740	12.790	.78876
#1	.50025	.99666	.97694	.21358	H13.156	.08845	.00027
#2	.50042	1.0121	.97667	.21330	H13.084	.10604	.00027
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass
High	.60000	1.2000	1.2000	.24000	12.000	.12000	.10000
Low	.40000	.80000	.80000	.16000	8.0000	.08000	-.10000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.49001	1.0498	-.00779	.62931	.62462	.06527	.04036
SDev	.00091	.0005	.00937	.00457	.00729	.00236	.00069
%RSD	.18507	.05154	120.22	.72570	1.1673	3.6123	1.7163
#1	.49065	1.0494	-.00117	.63254	.61947	.06361	.03987
#2	.48937	1.0502	-.01441	.62608	.62978	.06694	.04085
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	.04733	.04287	.0108	.0152	.0057
SDev	.00227	.00500	.0015	.0000	.0005
%RSD	4.7936	11.660	14.16	.1254	8.383
#1	.04573	.03934	.0119	.0152	.0061
#2	.04894	.04641	.0098	.0152	.0054
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	6204	--	--	--	--	--	--
SDev	7.778174	--	--	--	--	--	--
%RSD	.1253675	--	--	--	--	--	--
#1	6210	--	--	--	--	--	--
#2	6199	--	--	--	--	--	--

Analysis Report 10/06/00 03:17:49 PM page 1

Method: QTESTNAK Sample Name: TEST-CRI Operator: KT
Run Time: 10/06/00 15:11:56
mment:
de: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00719	.00912	H.02560	.42047	.01944	.02035	.01029
SDev	.00057	.00198	.00148	.00913	.00076	.00042	.00034
%RSD	7.9207	21.740	5.7854	2.1706	3.9340	2.0836	3.3422
#1	.00678	.01052	H.02665	.41402	.01998	.02005	.01004
#2	H.00759	.00772	.02455	.42693	.01890	.02065	.01053
Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass
High	.00750	.01250	.02500	.50000	.02500	.02500	.01250
Low	.00450	.00750	.01500	.30000	.01500	.01500	.00750

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00438	10.242	.01031	.09939	.04967	.23070	9.8641
SDev	.00002	.229	.00025	.00131	.00181	.00170	.1283
%RSD	.39292	2.2406	2.4134	1.3179	3.6403	.73646	1.3012
#1	.00437	10.079	.01049	.09846	.04839	.23190	9.7733
#2	.00439	10.404	.01014	.10031	.05095	.22950	9.9548
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
gh	.00500	12.500	.01250	.12500	.06250	.25000	12.500
Low	.00300	7.5000	.00750	.07500	.03750	.15000	7.5000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03179	.08005	.08171	.00996	9.8534	.01980	.00051
SDev	.00042	.00167	.00166	.00006	.1900	.00380	.00003
%RSD	1.3304	2.0805	2.0268	.61843	1.9280	19.204	6.7638
#1	.03149	.07888	.08054	.00992	9.7191	.01711	.00054
#2	.03209	.08123	.08289	.01000	9.9877	.02249	.00049
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	NOCHECK
High	.03750	.10000	.10000	.01250		.02500	
Low	.02250	.06000	.06000	.00750		.01500	

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.10115	.04223	L-.00042	.02640	.02400	.00726	.00715
SDev	.00256	.00015	.00038	.00124	.00197	.00462	.00145
%RSD	2.5326	.35314	90.055	4.6947	8.1877	63.673	20.337
#1	.09934	.04213	L-.00015	.02727	.02539	.00399	.00818
#2	.10296	.04234	L-.00068	.02552	.02261	.01053	.00612
rrors	LC Pass	LC Pass	LC Low	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.12500	.05000	.25000				
Low	.07500	.03000	.15000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
vge	.00513	.01111	L.0010	L.0003	L.0111
sDev	.00403	.00096	.0000	.0000	.0056
%RSD	78.556	8.6396	.0000	2.050	50.46
#1	.00798	.01179	L.0010	L.0003	L.0072
#2	.00228	.01043	L.0010	L.0003	L.0151
Errors	NOCHECK	NOCHECK	LC Low	LC Low	LC Low
High			.5000	.1250	1.250
Low			.3000	.0750	.7500

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6701	--	--	--	--	--	--
SDev	137.3482	--	--	--	--	--	--
%RSD	2.049607	--	--	--	--	--	--
#1	6798	--	--	--	--	--	--
#2	6604	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLLWNB-0279520 Operator: KT
Run Time: 10/06/00 15:22:09
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00066	-.00289	.00257	.01343	-.00779	-.00000	-.00000
SDev	.00232	.00104	.00310	.00124	.00052	.00000	.00000
%RSD	351.99	35.863	120.78	9.2401	6.7373	141.21	439.23
#1	-.00098	-.00216	.00476	.01431	-.00742	-.00000	.00000
#2	.00230	-.00362	.00037	.01256	-.00816	-.00000	-.00000
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.00500	.06000	.20000	.01000	.02000	.00500
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00009	-.00020	-.00028	-.00050	.00037	.02383	.00540
SDev	.00059	.00029	.00009	.00000	.00002	.00003	.00185
%RSD	687.34	141.07	33.625	.36208	5.7329	.11866	34.210
#1	.00050	-.00000	-.00035	-.00050	.00038	.02385	.00410
#2	-.00033	-.00041	-.00021	-.00049	.00035	.02381	.00671
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	.00248	.00091	.00005	.18388	-.00007	.00055
SDev	.00000	.00176	.00000	.00035	.10112	.00260	.00000
%RSD	141.21	70.865	.00000	709.23	54.990	3514.3	.53889
#1	-.00000	.00373	.00091	-.00020	.25538	.00177	.00055
#2	-.00000	.00124	.00091	.00030	.11238	-.00191	.00056
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	.00107	.00302	.00265	.00240	.00096	.00051
SDev	.00046	.00001	.00420	.00388	.00155	.00534	.00081
%RSD	140.49	.62513	139.30	146.10	64.619	559.19	159.09
#1	-.00066	.00107	.00599	.00540	.00349	-.00282	-.00006
#2	-.00000	.00106	.00005	-.00009	.00130	.00473	.00109
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	-.00719	-.00074	.0010	.0000	.0074
SDev	.00416	.00363	.0000	.0000	.0003
%RSD	57.873	492.76	.0000	.0000	4.338
#1	-.01014	.00183	.0010	.0000	.0076
#2	-.00425	-.00330	.0010	.0000	.0072
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	6860	--	--	--	--	--	--
SDev	12.47346	--	--	--	--	--	--
%RSD	.1818305	--	--	--	--	--	--
#1	6851	--	--	--	--	--	--
#2	6869	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLLWNC Operator: KT
Run Time: 10/06/00 15:28:06
ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.44206	1.7678	.46151	1.7321	1.8042	1.9301	.04748
SDev	.00077	.0008	.00501	.0093	.0033	.0033	.00020
%RSD	.17410	.04326	1.0857	.53872	.18153	.17232	.41345
#1	.44151	1.7684	.45797	1.7387	1.8019	1.9324	.04762
#2	.44260	1.7673	.46506	1.7255	1.8065	1.9277	.04734
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	.04903	L.02203	.19369	.48338	.23188	.96947	L.00786
SDev	.00002	.00029	.00018	.00007	.00015	.00145	.00176
%RSD	.04341	1.3064	.09397	.01490	.06475	.14929	22.423
#1	.04905	L.02223	.19356	.48343	.23178	.96845	L.00911
#2	.04902	L.02182	.19382	.48332	.23199	.97049	L.00662
rrors	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
igh	.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	.49274	.91525	.48117	.04612	.30406	1.7123	L.00051
SDev	.00013	.00730	.00013	.00035	.00933	.0031	.00000
%RSD	.02651	.79790	.02637	.76506	3.0687	.18020	.50897
#1	.49264	.91009	.48126	.04637	.31066	1.7101	L.00051
#2	.49283	.92042	.48108	.04587	.29746	1.7145	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	.47471	.47506	L.00296	.46001	.46453	.44307	.44155
SDev	.00076	.00001	.00426	.00496	.00512	.00064	.00148
%RSD	.15922	.00171	143.64	1.0773	1.1023	.14545	.33418
#1	.47524	.47507	L-.00005	.45650	.46091	.44353	.44050
#2	.47418	.47506	L.00597	.46351	.46815	.44262	.44259
rrors	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
/ge	1.7666	1.7685	.0059	L.0000	L.0409
sDev	.0028	.0002	.0014	.0000	.0010
%RSD	.15721	.01267	23.69	.0000	2.366
#1	1.7685	1.7683	.0069	L.0000	L.0416
#2	1.7646	1.7686	.0050	L.0000	L.0402
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	6861	--	--	--	--	--	--
SDev	10.97431	--	--	--	--	--	--
%RSD	.1599577	--	--	--	--	--	--
#1	6853	--	--	--	--	--	--
#2	6869	--	--	--	--	--	--

Analysis Report 10/06/00 03:42:05 PM page 1

Method: QTESTNAK Sample Name: DL997 Operator: KT
Run Time: 10/06/00 15:36:11
ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00205	-.00013	.00388	.05888	-.00320	.19938	-.00008
SDev	.00134	.00059	.00037	.00105	.00183	.00007	.00012
%RSD	65.283	470.86	9.6551	1.7783	57.253	.03446	150.37
#1	.00111	.00029	.00361	.05814	-.00190	.19943	.00001
#2	.00300	-.00055	.00414	.05962	-.00449	.19933	-.00017
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	.00027	41.855	.00164	.00099	.00128	.40815	9.4014
SDev	.00017	.126	.00001	.00071	.00003	.00513	.0124
%RSD	65.091	.30087	.61108	71.702	2.7730	1.2571	.13220
#1	.00014	41.766	.00164	.00149	.00130	.40452	9.4102
#2	.00039	41.944	.00163	.00049	.00125	.41178	9.3927
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	.03448	.00256	.00274	-.00000	72.989	-.00134	.00137
SDev	.00010	.00176	.00129	.00000	.321	.00324	.00040
%RSD	.27792	68.899	47.127	.86484	.43952	241.95	28.877
#1	.03455	.00131	.00183	-.00000	72.762	-.00363	.00109
#2	.03442	.00380	.00365	-.00000	73.216	.00095	.00165
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	.00099	.02778	-.00319	.00395	.00374	.00172	.00222
SDev	.00047	.00086	.00422	.00133	.00155	.00219	.00091
%RSD	47.030	3.1116	132.22	33.810	41.345	127.79	41.151
#1	.00066	.02839	-.00021	.00300	.00484	.00017	.00157
#2	.00132	.02717	-.00617	.00489	.00265	.00327	.00287
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	-.00273	.00117	.0460	.2931	25.49
SDev	.00561	.00369	.0013	.0005	.00
%RSD	205.61	314.58	2.806	.1585	.0017
#1	-.00669	.00378	.0451	.2934	25.49
#2	.00124	-.00144	.0469	.2928	25.49
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	6790	--	--	--	--	--	--
SDev	18.69586	--	--	--	--	--	--
%RSD	.2753238	--	--	--	--	--	--
#1	6777	--	--	--	--	--	--
#2	6804	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DL99H Operator: KT
Run Time: 10/06/00 15:44:16
(ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00318	.00042	.00428	.07426	-.00128	.21531	-.00000
SDev	.00082	.00319	.00192	.00099	.00146	.00053	.00000
%RSD	25.878	767.71	44.897	1.3319	114.12	.24750	49.640
#1	.00377	.00267	.00564	.07496	-.00025	.21493	-.00000
#2	.00260	-.00184	.00292	.07356	-.00232	.21568	-.00000
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00036	39.760	.00160	-.00001	.00095	.41275	8.7656
SDev	.00040	.030	.00020	.00070	.00028	.00583	.0174
%RSD	112.20	.07592	12.510	11067.	29.528	1.4124	.19805
#1	.00064	39.738	.00174	.00049	.00115	.40862	8.7533
#2	.00007	39.781	.00146	-.00050	.00075	.41687	8.7779
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	.03444	.00252	.00272	.00009	63.312	-.00095	.00165
SDev	.00003	.00175	.00128	.00000	.063	.00201	.00000
%RSD	.08488	69.468	47.162	.03534	.09937	211.76	.03062
#1	.03447	.00128	.00363	.00009	63.268	-.00237	.00165
#2	.03442	.00376	.00181	.00009	63.357	.00047	.00165
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	-.00001	.03285	.00001	.00566	.00152	.00038	.00458
SDev	.00000	.00074	.00847	.00365	.00154	.00098	.00172
%RSD	1.5891	2.2424	65082.	64.472	101.31	257.00	37.594
#1	-.00001	.03233	-.00598	.00824	.00043	-.00031	.00580
#2	-.00001	.03337	.00601	.00308	.00260	.00107	.00336
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	-.00284	.00204	.0426	.2818	24.02
SDev	.00338	.00310	.0000	.0007	.09
%RSD	118.92	151.67	.0821	.2364	.3927
#1	-.00045	.00423	.0426	.2813	23.95
#2	-.00523	-.00015	.0426	.2823	24.09
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	6862	--	--	--	--	--	--
SDev	5.769756	--	--	--	--	--	--
%RSD	.0840808	--	--	--	--	--	--
#1	6858	--	--	--	--	--	--
#2	6866	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DL99HP Operator: KT
Run Time: 10/06/00 15:52:21
Comment:
Mode: CONC Corr. Factor: 5

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L.01059	L-.00905	L.01348	L.15888	L-.01227	.21783	L.00002
SDev	.00698	.01490	.01056	.01116	.01436	.00105	.00000
%RSD	65.881	164.62	78.363	7.0265	117.08	.48417	.42777
#1	L.00566	L-.01959	L.00601	L.16678	L-.02242	.21708	L.00002
#2	L.01552	L.00149	L.02095	L.15099	L-.00211	.21857	L.00002
Errors	LC Low	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.00073	40.007	L-.00030	L.00247	L.00225	L.44555	8.7767
SDev	.00095	.107	.00198	.00000	.00004	.00022	.0325
%RSD	128.91	.26746	667.14	.02901	1.7359	.04931	.37042
#1	L.00140	40.082	L-.00170	L.00247	L.00228	L.44571	8.7537
#2	L.00007	39.931	L.00110	L.00247	L.00222	L.44540	8.7997
Errors	LC Low	LC Pass	LC Low	LC Low	LC Low	LC Low	LC Pass
High	11.000	550.00	55.000	110.00	55.000	1100.0	1100.0
Low	.01500	.38500	.02000	.03500	.04000	.66500	.19000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03518	L.00633	L.00683	L-.00124	64.794	L-.00997	L.00271
SDev	.00113	.00001	.00323	.00035	.070	.00258	.00001
%RSD	3.2195	.12971	47.322	28.140	.10871	25.900	.18501
#1	.03438	L.00633	L.00911	L-.00100	64.843	L-.01180	L.00271
#2	.03599	L.00632	L.00454	L-.00149	64.744	L-.00814	L.00272
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-.00164	.04892	L.02962	.01744	.00554	.00740	.01218
SDev	.00234	.00003	.00004	.00893	.01383	.00004	.01048
%RSD	142.05	.06429	.13392	51.212	249.50	.51028	86.028
#1	L.00001	.04894	L.02960	.01113	-.00424	.00743	.00477
#2	L-.00330	.04890	L.02965	.02376	.01532	.00738	.01959
Errors	LC Low	LC Pass	LC Low	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	.02000	.03500	.46000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.02511	-.00104	L.0449	.2846	24.10
SDev	.02416	.01029	.0000	.0002	.03
%RSD	96.207	990.43	.0583	.0656	.1169
#1	-.04219	-.00831	L.0449	.2847	24.08
#2	-.00803	.00623	L.0448	.2844	24.12
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	6815	--	--	--	--	--	--
SDev	4.469136	--	--	--	--	--	--
%RSD	.0655802	--	--	--	--	--	--
#1	6812	--	--	--	--	--	--
#2	6818	--	--	--	--	--	--

Analysis Report 10/06/00 04:04:12 PM page 1

Method: QTESTNAK Sample Name: DL99HS Operator: KT
Run Time: 10/06/00 15:58:18
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.45614	1.7908	.46834	1.9082	1.8124	2.1327	.04842
SDev	.00272	.0032	.00280	.0062	.0133	.0008	.00023
%RSD	.59597	.17778	.59719	.32670	.73415	.03902	.47036
#1	.45422	1.7886	.46637	1.9126	1.8030	2.1321	.04859
#2	.45806	1.7931	.47032	1.9038	1.8218	2.1333	.04826
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	.04805	39.917	.19297	.48665	.23985	1.3423	8.9235
SDev	.00069	.024	.00017	.00036	.00110	.0032	.0137
%RSD	1.4288	.05973	.08859	.07472	.45964	.23560	.15316
#1	.04854	39.934	.19285	.48691	.24063	1.3400	8.9332
#2	.04757	39.900	.19309	.48639	.23907	1.3445	8.9139
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	.51809	.92841	.48176	.04628	64.559	1.8693	.00161
SDev	.00025	.01034	.00218	.00045	.101	.0074	.00000
%RSD	.04836	1.1137	.45192	.98053	.15682	.39829	.07368
#1	.51791	.92110	.48022	.04660	64.488	1.8641	.00161
#2	.51827	.93572	.48330	.04596	64.631	1.8746	.00161
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	.47527	.50535	.00886	.46881	.46740	.45482	.45680
SDev	.00151	.00118	.00425	.00482	.00126	.00156	.00485
%RSD	.31743	.23241	47.943	1.0281	.26847	.34324	1.0628
#1	.47634	.50452	.01187	.46541	.46828	.45592	.45337
#2	.47421	.50618	.00586	.47222	.46651	.45371	.46023
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	1.7990	1.7867	.0480	.2872	24.48
SDev	.0051	.0022	.0013	.0001	.01
%RSD	.28105	.12587	2.731	.0217	.0349
#1	1.7954	1.7851	.0470	.2872	24.48
#2	1.8025	1.7883	.0489	.2871	24.49
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	6800	--	--	--	--	--	--
SDev	14.96249	--	--	--	--	--	--
%RSD	.2200204	--	--	--	--	--	--
#1	6790	--	--	--	--	--	--
#2	6811	--	--	--	--	--	--

Analysis Report 10/06/00 04:14:21 PM page 1

Method: QTESTNAK Sample Name: CCVT Operator: KT
Run Time: 10/06/00 16:08:28
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49362	.49005	.49832	24.384	.48809	2.0142	2.0175
SDev	.00150	.00061	.00066	.074	.00530	.0091	.0042
%RSD	.30292	.12501	.13206	.30156	1.0858	.45201	.20751
#1	.49467	.49049	.49878	24.436	.49183	2.0206	2.0205
#2	.49256	.48962	.49785	24.332	.48434	2.0077	2.0145
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	.50043	100.56	2.0082	1.9948	1.9681	25.211	99.781
SDev	.00013	.27	.0066	.0070	.0051	.078	.531
%RSD	.02547	.26929	.33058	.35245	.25747	.30748	.53198
#1	.50034	100.75	2.0129	1.9998	1.9717	25.266	100.16
#2	.50052	100.37	2.0035	1.9899	1.9645	25.156	99.405
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	2.0169	1.9747	2.0032	.98647	49.496	.96750	2.0040
SDev	.0072	.0220	.0001	.00212	.132	.01028	.0022
%RSD	.35931	1.1156	.00491	.21445	.26718	1.0621	.11010
#1	2.0220	1.9591	2.0033	.98796	49.590	.97477	2.0055
#2	2.0117	1.9903	2.0031	.98497	49.403	.96023	2.0024
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	2.0067	2.0119	1.9356	.49992	.49511	.49273	.49406
SDev	.0039	.0058	.0055	.00177	.00156	.00342	.00054
%RSD	.19393	.28900	.28336	.35296	.31470	.69326	.10856
#1	2.0095	2.0161	1.9317	.50117	.49400	.49514	.49444
#2	2.0040	2.0078	1.9395	.49867	.49621	.49031	.49368
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	.49003	.49007	1.949	2.033	1.976
SDev	.00431	.00123	.011	.009	.021
%RSD	.88031	.25204	.5423	.4493	1.046
#1	.49308	.48919	1.957	2.040	1.990
#2	.48698	.49094	1.942	2.027	1.961
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	6631	--	--	--	--	--	--
SDev	11.31371	--	--	--	--	--	--
%RSD	.1706308	--	--	--	--	--	--
#1	6623	--	--	--	--	--	--
#2	6639	--	--	--	--	--	--

Analysis Report QC Standard 10/06/00 04:22:28 PM page 1

Method: QTESTNAK Sample Name: CCBT Operator: KT
Run Time: 10/06/00 16:16:33
nment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00186	.00041	.00062	-.00456	-.00430	-.00001	-.00002
SDev	.00109	.00033	.00018	.00258	.00083	.00000	.00000
%RSD	58.451	80.946	29.219	56.626	19.255	7.6768	9.7230
#1	.00263	.00017	.00049	-.00273	-.00372	-.00001	-.00002
#2	.00109	.00064	.00075	-.00638	-.00489	-.00001	-.00001
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.00500	.06000	.20000	.01000	.02000	.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00002	-.00467	.00021	.00001	-.00053	.00659	.00770
SDev	.00024	.00036	.00009	.00068	.00029	.00589	.00181
%RSD	1446.5	7.6851	43.419	5322.6	54.846	89.287	23.569
#1	-.00019	-.00492	.00027	.00050	-.00073	.01075	.00898
#2	.00015	-.00441	.00014	-.00047	-.00032	.00243	.00641
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	-.00001	.00358	.00135	-.00005	.20826	-.00133	.00060
SDev	.00000	.00001	.00062	.00007	.02019	.00118	.00000
%RSD	7.6768	.29775	46.255	141.22	9.6937	88.560	.62145
#1	-.00001	.00357	.00091	-.00000	.22254	-.00050	.00060
#2	-.00001	.00359	.00179	-.00010	.19399	-.00217	.00060
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	.00030	-.00010	.00635	.00032	.00122	-.00022	.00290
SDev	.00045	.00001	.00003	.00056	.00059	.00063	.00132
%RSD	149.43	5.8490	.42503	178.26	47.903	281.64	45.439
#1	.00062	-.00011	.00636	-.00008	.00164	.00022	.00383
#2	-.00002	-.00010	.00633	.00071	.00081	-.00066	.00197
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	-.00047	.00085	.0010	.0001	<.0000
SDev	.00390	.00145	.0000	.0001	.0002
%RSD	829.84	172.02	.0000	141.4	3.134
#1	-.00323	.00187	.0010	.0002	<.0000
#2	.00229	-.00018	.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	7060	--	--	--	--	--	--
SDev	16.48961	--	--	--	--	--	--
%RSD	.2335777	--	--	--	--	--	--
#1	7071	--	--	--	--	--	--
#2	7048	--	--	--	--	--	--

Analysis Report 10/06/00 08:40:18 PM page 1

Method: QTESTNAK Sample Name: CCVT Operator: KT
Run Time: 10/06/00 20:34:24
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.46653	.46487	.46868	23.166	.45777	1.9108	1.9132
SDev	.00010	.00280	.00415	.087	.00336	.0013	.0026
%RSD	.02100	.60278	.88522	.37360	.73480	.07041	.13361
#1	.46646	.46289	.46575	23.227	.46015	1.9098	1.9150
#2	.46660	.46685	.47161	23.104	.45539	1.9117	1.9114
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	.47451	95.168	1.8992	1.8910	1.8686	23.844	94.276
SDev	.00067	.247	.0006	.0024	.0044	.008	.017
%RSD	.14066	.26004	.03226	.12542	.23671	.03461	.01819
#1	.47498	95.343	1.8997	1.8926	1.8717	23.838	94.289
#2	.47403	94.993	1.8988	1.8893	1.8655	23.850	94.264
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	1.9115	1.8714	1.8987	.93835	47.389	.92613	1.8980
SDev	.0003	.0264	.0040	.00269	.234	.00741	.0027
%RSD	.01445	1.4095	.21237	.28681	.49426	.79990	.14271
#1	1.9117	1.8527	1.9016	.94025	47.554	.92089	1.8961
#2	1.9113	1.8900	1.8959	.93645	47.223	.93137	1.8999
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	1.8996	1.9076	1.8277	.46892	.46820	.46327	.46815
SDev	.0004	.0018	.0213	.00382	.00481	.00065	.00047
%RSD	.02180	.09654	1.1642	.81389	1.0283	.13962	.10036
#1	1.8993	1.9089	1.8127	.46622	.46480	.46372	.46782
#2	1.8999	1.9063	1.8428	.47162	.47161	.46281	.46849
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	.46965	.46249	1.847	1.917	1.861
SDev	.00009	.00416	.007	.001	.005
%RSD	.01888	.89881	.3957	.0357	.2579
#1	.46959	.45955	1.842	1.916	1.857
#2	.46971	.46543	1.852	1.917	1.864
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	6946	--	--	--	--	--	--
SDev	1.470837	--	--	--	--	--	--
%RSD	.0211741	--	--	--	--	--	--
#1	6947	--	--	--	--	--	--
#2	6945	--	--	--	--	--	--

Analysis Report QC Standard 10/06/00 08:48:23 PM page 1

Method: QTESTNAK Sample Name: CCBT. Operator: KT
n Time: 10/06/00 20:42:29
omment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00269	.00190	.00271	.00783	-.00332	.00000	.00026
SDev	.00084	.00114	.00195	.00255	.00314	.00000	.00012
%RSD	31.236	60.306	72.042	32.605	94.687	7.4220	46.737
#1	.00329	.00109	.00409	.00602	-.00110	.00000	.00035
#2	.00210	.00271	.00133	.00963	-.00554	.00000	.00017
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	.00014	.00110	.00030	.00050	-.00011	.00859	.00551
SDev	.00011	.00008	.00010	.00000	.00028	.00308	.00195
%RSD	75.063	7.4368	32.822	.00596	246.61	35.837	35.451
#1	.00007	.00116	.00023	.00050	.00008	.00641	.00689
#2	.00021	.00105	.00037	.00050	-.00031	.01077	.00413
rrors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00000	.00251	.00182	-.00010	.29519	.00184	.00054
SDev	.00000	.00177	.00000	.00014	.03915	.00232	.00000
%RSD	7.4220	70.444	.02587	141.47	13.261	126.41	.15510
#1	.00000	.00376	.00182	-.00020	.26751	.00348	.00054
#2	.00000	.00126	.00182	.00000	.32287	.00019	.00054
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	-.00033	.00001	.00591	.00296	.00221	-.00057	.00432
SDev	.00047	.00000	.00853	.00200	.00186	.00150	.00201
%RSD	143.28	5.7379	144.29	67.515	84.169	265.10	46.584
#1	-.00066	.00001	.01194	.00437	.00353	-.00163	.00574
#2	.00000	.00001	-.00012	.00155	.00090	.00050	.00290
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	-.00119	.00344	.0010	.0000	<.0000
SDev	.00346	.00001	.0000	.0000	.0018
%RSD	290.75	.28916	.0000	.0000	75.27
#1	-.00363	.00345	.0010	.0000	<.0000
#2	.00126	.00343	.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	6804	--	--	--	--	--	--
SDev	3.507222	--	--	--	--	--	--
%RSD	.0515501	--	--	--	--	--	--
#1	6801	--	--	--	--	--	--
#2	6806	--	--	--	--	--	--

Analysis Report 10/06/00 08:54:21 PM page 1

Method: QTESTNAK Sample Name: DLLTPB-0279496 Operator: KT
Run Time: 10/06/00 20:48:27
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00373	-.00142	.00096	.00762	-.00323	-.00000	.00017
SDev	.00149	.00422	.00354	.00664	.00329	.00000	.00000
%RSD	39.877	297.02	367.69	87.088	101.65	129.14	.77474
#1	.00479	.00156	-.00154	.01232	-.00091	-.00000	.00017
#2	.00268	-.00440	.00347	.00293	-.00556	-.00000	.00017
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	.00066	-.00025	.00104	.00099	.00132	.01721	.00942
SDev	.00011	.00030	.00039	.00070	.00030	.00298	.00003
%RSD	16.588	119.66	37.261	70.706	22.336	17.346	.32815
#1	.00073	-.00004	.00077	.00050	.00153	.01510	.00945
#2	.00058	-.00047	.00132	.00149	.00111	.01932	.00940
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	.00065	.00124	.00136	.00025	.60566	-.00510	.00028
SDev	.00000	.00000	.00064	.00021	.04479	.00143	.00039
%RSD	.28958	.36105	47.047	84.724	7.3950	28.098	138.25
#1	.00065	.00124	.00091	.00010	.57399	-.00408	.00055
#2	.00065	.00124	.00181	.00039	.63733	-.00611	.00001
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.01500	.04000	.04000	.01000	5.0000	.01000	.05000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	-.00000	.00215	.00601	-.00007	.00303	.00634	.00243
SDev	.00000	.00001	.00002	.00623	.00185	.00283	.00082
%RSD	93.116	.59479	.38634	9161.3	60.870	44.664	33.648
#1	-.00000	.00216	.00599	-.00448	.00433	.00835	.00301
#2	-.00000	.00214	.00603	.00434	.00173	.00434	.00185
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	-.01296	.00434	.0000	.0002	.0216
SDev	.00537	.00364	.0014	.0000	.0004
%RSD	41.438	83.836	32250.	.1929	1.698
#1	-.00916	.00692	.0010	.0002	.0219
#2	-.01676	.00177	<.0000	.0002	.0214
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	6862	--	--	--	--	--	--
SDev	13.23719	--	--	--	--	--	--
%RSD	.1929024	--	--	--	--	--	--
#1	6853	--	--	--	--	--	--
#2	6871	--	--	--	--	--	--

Analysis Report 10/06/00 09:00:19 PM page 1

Method: QTESTNAK Sample Name: DLLTPC Operator: KT
Run Time: 10/06/00 20:54:25
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.43778	1.6609	.44434	1.7403	1.7580	1.9464	.04674
SDev	.00079	.0052	.00589	.0093	.0008	.0006	.00009
%RSD	.18007	.31188	1.3254	.53190	.04491	.02846	.19891
#1	.43834	1.6645	.44017	1.7468	1.7586	1.9460	.04681
#2	.43722	1.6572	.44850	1.7338	1.7575	1.9468	.04667
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	.04810	L-.00072	.19539	.48077	.23807	.97913	L.01192
SDev	.00021	.00071	.00040	.00135	.00058	.00471	.00357
%RSD	.44614	97.803	.20367	.28000	.24411	.48106	29.943
#1	.04795	L-.00022	.19511	.47982	.23848	.98246	L.01444
#2	.04826	L-.00122	.19567	.48172	.23766	.97580	L.00940
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	.49226	.91653	.47874	.04636	.70050	1.6918	L.00051
SDev	.00124	.01165	.00106	.00021	.00090	.0055	.00001
%RSD	.25116	1.2713	.22186	.45120	.12829	.32473	1.4235
#1	.49138	.90829	.47798	.04651	.70114	1.6957	L.00051
#2	.49313	.92477	.47949	.04621	.69987	1.6879	L.00052
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	.47803	.47013	-.00302	.44274	.44754	.44059	.43638
SDev	.00064	.00015	.01277	.00780	.00206	.00429	.00096
%RSD	.13460	.03246	422.91	1.7620	.46030	.97286	.21955
#1	.47757	.47002	-.01205	.43722	.44608	.44362	.43570
#2	.47848	.47024	.00601	.44826	.44899	.43755	.43705
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.60000	.60000					
Low	.40000	.40000					

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	1.6550	1.6638	L.0050	L.0001	.0571
SDev	.0025	.0065	.0000	.0001	.0035
%RSD	.15156	.39149	.3581	141.4	6.191
#1	1.6567	1.6684	L.0050	L.0002	.0596
#2	1.6532	1.6592	L.0049	L.0000	.0546
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	6870	--	--	--	--	--	--
SDev	30.77330	--	--	--	--	--	--
%RSD	.4479609	--	--	--	--	--	--
#1	6848	--	--	--	--	--	--
#2	6891	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLGQN Operator: KT
Run Time: 10/06/00 21:02:30
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06844	L-.00786	.00448	171.66	.02536	1.4637	.00561
SDev	.00053	.00095	.00019	.07	.00193	.0021	.00016
%RSD	.77852	12.056	4.3367	.03932	7.6079	.14312	2.8298
#1	.06881	L-.00719	.00435	171.61	.02672	1.4651	.00572
#2	.06806	L-.00853	.00462	171.70	.02399	1.4622	.00550
Errors	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00503	29.748	.27607	.18594	.52689	234.84	61.611
SDev	.00026	.012	.00001	.00017	.00035	.13	.021
%RSD	5.2159	.04162	.00265	.09169	.06611	.05559	.03460
#1	.00485	29.739	.27607	.18582	.52664	234.93	61.626
#2	.00522	29.757	.27606	.18606	.52714	234.75	61.596
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	8.4998	.01131	.21361	-.00221	19.645	.00329	9.1322
SDev	.0075	.00522	.00130	.00006	.165	.00199	.0067
%RSD	.08878	46.144	.60667	2.8332	.84202	60.521	.07385
#1	8.4944	.01500	.21269	-.00216	19.762	.00470	9.1370
#2	8.5051	.00762	.21452	-.00225	19.528	.00188	9.1274
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	.37400	.75911	.00643	.00343	.00660	.08347	.06093
SDev	.00000	.00058	.00848	.00117	.00293	.00353	.00096
%RSD	.00011	.07587	131.92	34.203	44.468	4.2299	1.5820
#1	.37400	.75870	.01242	.00426	.00452	.08597	.06025
#2	.37400	.75952	.00043	.00260	.00867	.08097	.06161
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	-.01550	-.00404	.1946	.6016	1.406
SDev	.00997	.00356	.0002	.0004	.003
%RSD	64.317	88.028	.1251	.0728	.2209
#1	-.00845	-.00656	.1944	.6019	1.408
#2	-.02255	-.00153	.1947	.6013	1.403
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	6846	--	--	--	--	--	--
SDev	41.04050	--	--	--	--	--	--
%RSD	.5994938	--	--	--	--	--	--
#1	6817	--	--	--	--	--	--
#2	6875	--	--	--	--	--	--

Analysis Report 10/06/00 09:14:22 PM page 1

Method: QTESTNAK Sample Name: DLJK1 Operator: KT
Run Time: 10/06/00 21:08:28
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05012	L-.01411	.00290	168.11	.04402	1.2841	.00534
SDev	.00028	.00481	.00038	.35	.00060	.0047	.00013
%RSD	.55063	34.082	13.066	.20589	1.3707	.36560	2.4207
#1	.05032	L-.01071	.00317	168.36	.04359	1.2808	.00543
#2	.04993	L-.01752	.00263	167.87	.04444	1.2874	.00525
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	-.00057	102.38	.25998	.10170	.18605	235.17	71.757
SDev	.00059	.09	.00044	.00022	.00105	.26	.233
%RSD	103.02	.08384	.16778	.21789	.56454	.10970	.32493
#1	-.00099	102.32	.25967	.10185	.18680	234.98	71.592
#2	-.00015	102.44	.26028	.10154	.18531	235.35	71.922
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	3.3887	.00522	.17978	-.00248	12.331	.00097	13.909
SDev	.0143	.00344	.00152	.00021	.046	.00236	.017
%RSD	.42086	65.952	.84300	8.3406	.37255	243.90	.12487
#1	3.3787	.00766	.18085	-.00233	12.364	.00264	13.896
#2	3.3988	.00279	.17871	-.00262	12.299	-.00070	13.921
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	.45626	.48825	.00791	.00322	.00225	.06969	.04035
SDev	.00212	.00079	.00420	.00204	.00522	.00118	.00017
%RSD	.46391	.16139	53.154	63.382	231.80	1.6930	.43440
#1	.45476	.48769	.00494	.00178	.00595	.07053	.04023
#2	.45776	.48880	.01088	.00466	-.00144	.06886	.04048
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	-.02520	-.00858	.0493	1.034	1.690
SDev	.01080	.00182	.0013	.004	.012
%RSD	42.868	21.201	2.698	.4110	.7101
#1	-.01756	-.00729	.0484	1.031	1.682
#2	-.03284	-.00987	.0503	1.037	1.699
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6888	--	--	--	--	--	--
SDev	9.164076	--	--	--	--	--	--
%RSD	.1330387	--	--	--	--	--	--
#1	6882	--	--	--	--	--	--
#2	6895	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLJK1P Operator: KT
Run Time: 10/06/00 21:14:26
Comment:
Mode: CONC Corr. Factor: 5

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L.06536	L.00901	L.02798	167.01	L.02527	1.3338	.00645
SDev	.00359	.01721	.01102	2.38	.01842	.0440	.00001
%RSD	5.4973	191.06	39.388	1.4236	72.904	3.2991	.07082
#1	L.06282	L-.00316	L.02019	168.69	L.03830	1.3650	.00646
#2	L.06790	L.02118	L.03577	165.33	L.01224	1.3027	.00645
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-.00353	106.40	.27246	.11061	.18196	247.08	75.616
SDev	.00249	1.53	.01105	.00657	.00440	3.61	2.347
%RSD	70.491	1.4364	4.0557	5.9405	2.4164	1.4605	3.1039
#1	L-.00177	107.48	.28027	.11526	.18507	249.63	77.276
#2	L-.00529	105.32	.26465	.10597	.17885	244.53	73.956
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	550.00	55.000	110.00	55.000	1100.0	1100.0
Low	.01500	.38500	.02000	.03500	.04000	.66500	.19000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.5943	L.01256	.19255	L-.00422	12.986	L.01458	14.470
SDev	.1088	.00840	.00304	.00138	.212	.01607	.229
%RSD	3.0272	66.900	1.5768	32.626	1.6350	110.22	1.5806
#1	3.6713	L.00662	.19040	L-.00325	13.136	L.00322	14.631
#2	3.5174	L.01850	.19470	L-.00520	12.836	L.02594	14.308
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	.46605	.52077	L.07638	.03708	.00975	.07596	.06007
SDev	.00477	.01907	.04206	.01566	.00172	.00699	.00888
%RSD	1.0243	3.6622	55.071	42.242	17.648	9.2019	14.778
#1	.46942	.53425	L.10612	.02600	.00853	.08090	.05379
#2	.46267	.50728	L.04664	.04815	.01097	.07102	.06634
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	-.01453	.02076	L.0495	1.077	1.763
SDev	.01377	.01893	.0070	.034	.072
%RSD	94.770	91.185	14.22	3.127	4.069
#1	-.02427	.00737	L.0545	1.101	1.814
#2	-.00479	.03415	L.0445	1.053	1.712
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	6868	--	--	--	--	--	--
SDev	6.109154	--	--	--	--	--	--
%RSD	.0889531	--	--	--	--	--	--
#1	6864	--	--	--	--	--	--
#2	6872	--	--	--	--	--	--

Analysis Report 10/06/00 09:28:24 PM page 1

Method: QTESTNAK Sample Name: DLJK1S Operator: KT
Run Time: 10/06/00 21:22:31
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49267	1.6402	.10677	172.71	1.7591	3.6829	.05192
SDev	.00233	.0057	.00041	.30	.0211	.0023	.00003
%RSD	.47216	.34935	.38077	.17144	1.2013	.06315	.05570
#1	.49102	1.6362	.10648	172.92	1.7442	3.6846	.05194
#2	.49431	1.6443	.10706	172.50	1.7741	3.6813	.05190
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04520	126.11	.44123	.56481	.41699	236.84	74.228
SDev	.00004	.22	.00035	.00046	.00090	.22	.045
%RSD	.08667	.17572	.08032	.08148	.21560	.09303	.06022
#1	.04517	125.96	.44148	.56449	.41762	236.68	74.196
#2	.04523	126.27	.44098	.56514	.41635	236.99	74.259
rrors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.8018	.87725	.63415	.04353	12.489	1.7867	13.200
SDev	.0054	.00290	.00080	.00030	.162	.0132	.012
%RSD	.14104	.33100	.12581	.67773	1.2973	.73632	.09099
#1	3.7980	.87520	.63359	.04333	12.603	1.7774	13.209
#2	3.8056	.87930	.63472	.04374	12.374	1.7960	13.192
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	.91860	.94008	-.00394	.10665	.10702	.50773	.48515
SDev	.00110	.00102	.01270	.00259	.00397	.00370	.00534
%RSD	.11993	.10895	322.22	2.4295	3.7088	.72895	1.0997
#1	.91782	.93935	.00504	.10482	.10982	.51035	.48138
#2	.91938	.94080	-.01293	.10848	.10421	.50512	.48892
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	1.6478	1.6364	.0507	1.192	1.688
SDev	.0011	.0091	.0001	.000	.003
%RSD	.06753	.55892	.2749	.0144	.1958
#1	1.6486	1.6300	.0508	1.192	1.690
#2	1.6470	1.6429	.0506	1.192	1.686
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	6839	--	--	--	--	--	--
SDev	19.17682	--	--	--	--	--	--
%RSD	.2803858	--	--	--	--	--	--
#1	6826	--	--	--	--	--	--
#2	6853	--	--	--	--	--	--

Analysis Report 10/06/00 09:36:30 PM page 1

Method: QTESTNAK Sample Name: DLJK1D Operator: KT
Run Time: 10/06/00 21:30:36
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.48380	1.6629	.11509	168.49	1.7430	2.9377	.05147
SDev	.00434	.0066	.00237	.27	.0157	.0004	.00011
%RSD	.89790	.39597	2.0560	.16045	.89982	.01508	.20786
#1	.48073	1.6582	.11342	168.30	1.7541	2.9380	.05154
#2	.48687	1.6675	.11677	168.68	1.7319	2.9374	.05139
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	.04509	57.967	.44268	.57071	.40421	237.93	66.440
SDev	.00025	.043	.00019	.00073	.00010	.44	.029
%RSD	.56216	.07422	.04221	.12881	.02413	.18342	.04347
#1	.04491	57.937	.44255	.57019	.40414	237.62	66.461
#2	.04527	57.997	.44281	.57123	.40428	238.24	66.420
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	3.8500	.86726	.63052	.04237	11.812	1.7641	12.766
SDev	.0033	.00706	.00076	.00006	.087	.0183	.030
%RSD	.08457	.81420	.11972	.14077	.74068	1.0374	.23176
#1	3.8477	.86227	.62999	.04241	11.874	1.7512	12.745
#2	3.8523	.87225	.63106	.04233	11.750	1.7771	12.787
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	.90959	.93862	.01397	.11549	.11430	.49618	.47762
SDev	.00152	.00162	.00411	.00307	.00095	.00029	.00666
%RSD	.16655	.17244	29.379	2.6598	.83394	.05830	1.3938
#1	.90851	.93747	.01107	.11332	.11363	.49638	.47292
#2	.91066	.93976	.01687	.11766	.11497	.49597	.48233
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	1.6745	1.6570	.0522	.6651	2.151
SDev	.0017	.0090	.0014	.0001	.013
%RSD	.09974	.54543	2.597	.0126	.5952
#1	1.6733	1.6507	.0532	.6652	2.142
#2	1.6757	1.6634	.0513	.6651	2.160
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	7032	--	--	--	--	--	--
SDev	1.442180	--	--	--	--	--	--
%RSD	.0205085	--	--	--	--	--	--
#1	7033	--	--	--	--	--	--
#2	7031	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLJK8 Operator: KT
Run Time: 10/06/00 21:40:46
(ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05412	.00054	.00299	130.27	.03598	1.0139	.00420
SDev	.00020	.00435	.00197	.16	.00318	.0024	.00014
%RSD	.37283	803.55	65.824	.12590	8.8432	.23606	3.2256
#1	.05426	-.00253	.00439	130.38	.03823	1.0156	.00430
#2	.05397	.00361	.00160	130.15	.03373	1.0122	.00410
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	-.00089	51.907	.21903	.08290	.22782	189.18	54.417
SDev	.00004	.013	.00073	.00035	.00076	.00	.101
%RSD	4.6278	.02557	.33443	.42362	.33567	.00143	.18531
#1	-.00086	51.916	.21955	.08315	.22836	189.19	54.489
#2	-.00092	51.897	.21851	.08265	.22728	189.18	54.346
'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	3.7448	.00926	.15067	-.00193	12.632	.00218	12.177
SDev	.0039	.00171	.00014	.00034	.153	.00605	.008
%RSD	.10396	18.475	.09499	17.614	1.2102	277.67	.06272
#1	3.7476	.01047	.15057	-.00169	12.740	.00646	12.182
#2	3.7421	.00805	.15077	-.00217	12.523	-.00210	12.172
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	.36750	.51303	.00726	.00418	.00061	.06362	.04937
SDev	.00012	.00048	.00839	.00127	.00337	.00245	.00092
%RSD	.03352	.09328	115.58	30.402	550.82	3.8527	1.8658
#1	.36741	.51269	.01319	.00508	.00300	.06535	.04872
#2	.36759	.51337	.00133	.00328	-.00177	.06189	.05002
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	-.00558	.00360	.0619	.6255	1.747
sDev	.00960	.00173	.0002	.0013	.006
%RSD	171.99	47.999	.3238	.2038	.3609
#1	-.01236	.00238	.0620	.6264	1.752
#2	.00121	.00482	.0618	.6246	1.743
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	6918	--	--	--	--	--	--
SDev	22.76863	--	--	--	--	--	--
%RSD	.3291168	--	--	--	--	--	--
#1	6902	--	--	--	--	--	--
#2	6934	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLJKC Operator: KT
Run Time: 10/06/00 21:48:51
ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.07095	-.00267	.00397	173.44	.04399	1.1977	.00592
SDev	.00038	.00304	.00005	.20	.00241	.0012	.00005
%RSD	.53176	113.62	1.1597	.11767	5.4734	.10266	.81672
#1	.07069	-.00482	.00400	173.59	.04570	1.1986	.00595
#2	.07122	-.00053	.00394	173.30	.04229	1.1968	.00588
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	24.196	.23744	.13262	.23724	261.16	61.452
SDev	.00023	.032	.00016	.00114	.00008	.41	.034
%RSD	36.675	.13046	.06873	.85998	.03424	.15528	.05505
#1	.00046	24.174	.23756	.13342	.23730	260.88	61.476
#2	.00078	24.218	.23733	.13181	.23718	261.45	61.428
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	7.7568	.01164	.20655	-.00239	18.471	.00201	10.656
SDev	.0114	.00160	.00020	.00008	.151	.00275	.002
%RSD	.14682	13.739	.09466	3.3284	.81815	136.40	.01815
#1	7.7487	.01277	.20668	-.00244	18.578	.00396	10.655
#2	7.7648	.01051	.20641	-.00233	18.364	.00007	10.658
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	.42542	.56826	.01113	.00346	.00498	.08582	.06353
SDev	.00051	.00066	.00005	.00120	.00254	.00062	.00026
%RSD	.11937	.11623	.45206	34.691	51.066	.72418	.40200
#1	.42506	.56873	.01117	.00261	.00678	.08538	.06335
#2	.42578	.56780	.01109	.00431	.00318	.08626	.06371
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	-.01187	.00192	.1697	.5826	1.701
SDev	.00172	.00541	.0016	.0003	.009
%RSD	14.444	281.88	.9264	.0602	.5409
#1	-.01066	-.00191	.1685	.5829	1.694
#2	-.01309	.00575	.1708	.5824	1.707
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	6930	--	--	--	--	--	--
SDev	49.38423	--	--	--	--	--	--
%RSD	.7126357	--	--	--	--	--	--
#1	6895	--	--	--	--	--	--
#2	6965	--	--	--	--	--	--

Analysis Report 10/06/00 10:02:50 PM page 1

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

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.07318	L-.01008	.00262	245.34	.07450	1.0901	.00766
SDev	.00070	.00125	.00127	.07	.00424	.0022	.00016
%RSD	.95948	12.379	48.542	.02969	5.6949	.19762	2.0694
#1	.07268	L-.01096	.00351	245.39	.07150	1.0886	.00777
#2	.07367	L-.00919	.00172	245.29	.07750	1.0917	.00754
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	-.00046	26.100	.34912	.11612	.23736	319.34	85.770
SDev	.00043	.034	.00038	.00080	.00024	.64	.133
%RSD	95.047	.12941	.10806	.68610	.10281	.20115	.15541
#1	-.00015	26.076	.34886	.11668	.23719	318.88	85.676
#2	-.00077	26.124	.34939	.11556	.23754	319.79	85.864
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	3.3445	.01149	.26735	-.00270	19.354	.00599	14.231
SDev	.0101	.00016	.00062	.00013	.009	.00076	.036
%RSD	.30230	1.3614	.23093	4.6856	.04517	12.742	.25433
#1	3.3373	.01138	.26779	-.00261	19.360	.00545	14.206
#2	3.3516	.01160	.26692	-.00279	19.347	.00652	14.257
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	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	.62768	.61026	.01028	.00299	.00187	.09472	.06242
SDev	.00011	.00095	.01242	.00051	.00279	.00308	.00259
%RSD	.01685	.15628	120.79	17.040	149.47	3.2459	4.1454
#1	.62761	.61093	.00150	.00335	.00384	.09690	.06059
#2	.62776	.60958	.01907	.00263	-.00011	.09255	.06425
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	-.01513	-.00755	.0829	.4493	1.544
SDev	.00715	.00544	.0004	.0010	.001
%RSD	47.284	72.056	.4630	.2239	.0442
#1	-.01007	-.01140	.0831	.4486	1.543
#2	-.02019	-.00370	.0826	.4500	1.544
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	6971	--	--	--	--	--	--
SDev	32.66847	--	--	--	--	--	--
%RSD	.4686057	--	--	--	--	--	--
#1	6948	--	--	--	--	--	--
#2	6995	--	--	--	--	--	--

Analysis Report 10/06/00 10:08:47 PM page 1

Method: QTESTNAK Sample Name: CCVT Operator: KT
Run Time: 10/06/00 22:02:54
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49569	.48439	.49924	24.471	.48865	2.0119	2.0327
SDev	.00421	.00296	.00197	.042	.00697	.0025	.0042
%RSD	.84842	.61052	.39393	.17150	1.4261	.12262	.20712
#1	.49867	.48230	.49785	24.501	.49358	2.0137	2.0357
#2	.49272	.48648	.50063	24.441	.48372	2.0102	2.0297
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	.50312	101.04	2.0229	2.0025	1.9690	25.305	99.598
SDev	.00117	.28	.0063	.0034	.0032	.081	.177
%RSD	.23280	.28043	.30929	.17015	.16422	.32000	.17727
#1	.50395	101.24	2.0273	2.0049	1.9713	25.363	99.723
#2	.50230	100.84	2.0185	2.0001	1.9667	25.248	99.473
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	2.0213	1.9871	2.0128	.98986	49.630	.97114	2.0142
SDev	.0051	.0279	.0012	.00248	.264	.00283	.0063
%RSD	.25124	1.4021	.06120	.25013	.53257	.29153	.31278
#1	2.0249	1.9674	2.0119	.99161	49.817	.96914	2.0186
#2	2.0177	2.0068	2.0136	.98811	49.443	.97315	2.0097
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	2.0145	2.0251	1.9596	.50072	.49628	.49490	.49609
SDev	.0070	.0035	.0026	.00536	.00482	.00522	.00370
%RSD	.34606	.17429	.13337	1.0697	.97178	1.0541	.74598
#1	2.0194	2.0276	1.9614	.49693	.49969	.49859	.49871
#2	2.0096	2.0226	1.9577	.50450	.49287	.49121	.49347
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	.48945	.48187	1.940	2.026	1.966
SDev	.00132	.00509	.004	.003	.001
%RSD	.26942	1.0567	.2086	.1290	.0512
#1	.49038	.47827	1.943	2.028	1.966
#2	.48851	.48547	1.937	2.024	1.967
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			2.200	2.200	2.200
Low			1.800	1.800	1.800

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6696	--	--	--	--	--	--
SDev	9.022517	--	--	--	--	--	--
%RSD	.1347356	--	--	--	--	--	--
#1	6690	--	--	--	--	--	--
#2	6703	--	--	--	--	--	--

Analysis Report QC Standard 10/06/00 10:16:53 PM page 1

Method: QTESTNAK Sample Name: CCBT. Operator: KT
Run Time: 10/06/00 22:10:59
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00118	.00098	.00303	-.01015	.00211	-.00001	.00015
SDev	.00093	.00044	.00027	.00078	.00027	.00000	.00023
%RSD	78.966	45.111	8.9146	7.6992	12.788	1.7170	152.31
#1	.00052	.00067	.00322	-.00960	.00192	-.00001	.00032
#2	.00185	.00129	.00284	-.01071	.00230	-.00001	-.00001
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.00500	.06000	.20000	.01000	.02000	.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00015	-.00370	.00009	.00049	-.00008	.01077	.00777
SDev	.00040	.00006	.00029	.00000	.00026	.00598	.00184
%RSD	266.35	1.7122	333.35	.01067	315.87	55.548	23.608
#1	-.00013	-.00365	.00029	.00049	-.00027	.01500	.00907
#2	.00043	-.00374	-.00012	.00049	.00010	.00654	.00647
rrors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00001	.00240	.00091	-.00010	.28054	.00513	.00113
SDev	.00000	.00171	.00000	.00027	.10466	.00404	.00000
%RSD	1.7170	71.406	.00000	282.70	37.306	78.885	.04488
#1	-.00001	.00119	.00091	-.00029	.35454	.00227	.00113
#2	-.00001	.00361	.00091	.00010	.20653	.00799	.00113
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	.00045	.00335	.00118	.00673	.00037	.00159
SDev	.00000	.00075	.00413	.00190	.00300	.00039	.00160
%RSD	5.3346	168.20	123.45	161.24	44.556	105.76	100.31
#1	-.00002	.00098	.00627	.00252	.00461	.00064	.00046
#2	-.00001	-.00008	.00043	-.00017	.00885	.00009	.00272
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	.00027	.00133	.0010	.0001	<.0000
SDev	.00135	.00001	.0000	.0001	.0001
%RSD	505.27	.86923	.0000	141.4	2.591
#1	-.00069	.00134	.0010	.0002	<.0000
#2	.00122	.00132	.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	7015	--	--	--	--	--	--
SDev	2.885051	--	--	--	--	--	--
%RSD	.0411257	--	--	--	--	--	--
#1	7013	--	--	--	--	--	--
#2	7017	--	--	--	--	--	--

Analysis Report 10/06/00 10:22:51 PM page 1

Method: QTESTNAK Sample Name: DLJKG Operator: KT
Run Time: 10/06/00 22:16:57
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06230	-.00112	.00638	176.71	.05670	1.4891	.00569
SDev	.00393	.00281	.00289	.31	.00204	.0033	.00015
%RSD	6.3050	250.45	45.310	.17711	3.5912	.22420	2.7213
#1	.05953	-.00310	.00434	176.93	.05814	1.4915	.00580
#2	.06508	.00086	.00842	176.49	.05526	1.4868	.00558
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	-.00174	37.397	.25865	.09994	.27859	253.91	73.500
SDev	.00039	.076	.00096	.00081	.00082	.49	.048
%RSD	22.583	.20256	.37198	.80886	.29585	.19370	.06501
#1	-.00147	37.344	.25796	.10051	.27918	253.56	73.534
#2	-.00202	37.451	.25933	.09937	.27801	254.26	73.466
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.3104	.00877	.22278	-.00225	33.992	.00149	12.259
SDev	.0044	.00497	.00129	.00008	.087	.00445	.022
%RSD	.10208	56.624	.57870	3.4871	.25597	298.04	.17741
#1	4.3073	.01228	.22370	-.00230	34.053	-.00165	12.243
#2	4.3135	.00526	.22187	-.00219	33.930	.00464	12.274
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.44531	.51254	.00775	.00553	.00809	.08096	.05299
SDev	.00043	.00114	.00414	.00441	.00016	.00222	.00478
%RSD	.09556	.22327	53.384	79.844	1.9383	2.7480	9.0185
#1	.44501	.51173	.01068	.00241	.00820	.07939	.04961
#2	.44561	.51335	.00483	.00865	.00798	.08254	.05637
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

001206

Units			ppm	ppm	ppm
Avge	-.01251	.00456	.0519	.5095	1.790
SDev	.00901	.00870	.0038	.0008	.004
%RSD	72.034	190.70	7.284	.1508	.2206
#1	-.00614	-.00159	.0493	.5101	1.788
#2	-.01888	.01072	.0546	.5090	1.793
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	7068	--	--	--	--	--	--
SDev	41.06882	--	--	--	--	--	--
%RSD	.5810726	--	--	--	--	--	--
#1	7039	--	--	--	--	--	--
#2	7097	--	--	--	--	--	--

Analysis Report 10/06/00 10:30:56 PM page 1

Method: QTESTNAK Sample Name: DLJKJ Operator: KT
Run Time: 10/06/00 22:25:03
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04351	-.00372	.00332	141.62	.02211	.84165	.00393
SDev	.00305	.00013	.00073	.27	.00142	.00016	.00013
%RSD	7.0166	3.6066	22.017	.18761	6.3987	.01888	3.3991
#1	.04135	-.00382	.00280	141.81	.02111	.84154	.00402
#2	.04567	-.00363	.00383	141.43	.02311	.84176	.00383
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	-.00074	57.512	.18834	.05998	.15458	162.85	45.613
SDev	.00019	.054	.00110	.00093	.00105	.14	.066
%RSD	25.761	.09368	.58235	1.5553	.67893	.08673	.14519
#1	-.00088	57.474	.18912	.06064	.15533	162.95	45.566
#2	-.00061	57.550	.18757	.05932	.15384	162.75	45.659
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	2.5786	.00538	.12495	-.00167	11.436	.00268	10.036
SDev	.0034	.00346	.00039	.00027	.077	.00553	.012
%RSD	.13297	64.268	.31515	16.297	.67541	206.49	.11557
#1	2.5762	.00783	.12523	-.00148	11.490	-.00123	10.045
#2	2.5810	.00294	.12467	-.00186	11.381	.00658	10.028
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	.27287	.42303	.00844	.00324	.00346	.06002	.03527
SDev	.00044	.00162	.00001	.00203	.00187	.00015	.00465
%RSD	.16042	.38229	.13436	62.489	54.081	.24147	13.183
#1	.27318	.42189	.00843	.00181	.00478	.06012	.03198
#2	.27256	.42417	.00844	.00468	.00213	.05991	.03856
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	-.00744	-.00186	.0668	.6988	1.728
SDev	.01002	.00520	.0012	.0006	.009
%RSD	134.66	278.96	1.767	.0829	.5297
#1	-.00036	-.00554	.0659	.6984	1.734
#2	-.01452	.00181	.0676	.6992	1.721
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	6923	--	--	--	--	--	--
SDev	21.97693	--	--	--	--	--	--
%RSD	.3174527	--	--	--	--	--	--
#1	6907	--	--	--	--	--	--
#2	6938	--	--	--	--	--	--

Analysis Report 10/06/00 10:39:02 PM page 1

Method: QTESTNAK Sample Name: DLJKL Operator: KT
P n Time: 10/06/00 22:33:08
C ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04481	-.00256	-.00372	158.01	.05028	1.2650	.00488
SDev	.00044	.00515	.00148	.04	.00155	.0014	.00015
%RSD	.97633	200.96	39.672	.02602	3.0811	.10983	2.9669
#1	.04512	L-.00620	-.00268	158.04	.04919	1.2660	.00498
#2	.04450	.00108	-.00477	157.98	.05138	1.2640	.00478
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	-.00037	31.992	.18350	.07664	.18744	191.00	49.757
SDev	.00048	.062	.00045	.00043	.00031	.18	.009
%RSD	129.46	.19350	.24305	.55951	.16648	.09171	.01836
#1	-.00003	31.948	.18381	.07695	.18766	190.87	49.751
#2	-.00071	32.036	.18318	.07634	.18722	191.12	49.764
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	4.4807	.00824	.14127	-.00169	16.658	.00671	8.7691
SDev	.0065	.00006	.00126	.00013	.083	.00057	.0036
%RSD	.14609	.74406	.89080	7.8480	.49895	8.4867	.04075
#1	4.4761	.00820	.14216	-.00160	16.717	.00631	8.7716
#2	4.4853	.00828	.14038	-.00179	16.599	.00712	8.7666
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	.33470	.45816	.01081	-.00582	.00048	.05842	.03801
SDev	.00166	.00081	.00417	.00144	.00155	.00084	.00023
%RSD	.49618	.17641	38.559	24.739	323.42	1.4416	.61933
#1	.33353	.45759	.00786	-.00480	.00158	.05902	.03818
#2	.33588	.45873	.01376	-.00684	-.00062	.05782	.03785
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

001210

Units			ppm	ppm	ppm
Avge	-.00705	-.00032	.0921	.8421	1.618
SDev	.00557	.00494	.0018	.0005	.007
%RSD	78.985	1543.8	1.944	.0602	.4525
#1	-.01100	-.00381	.0933	.8424	1.624
#2	-.00311	.00317	.0908	.8417	1.613
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	6938	--	--	--	--	--	--
SDev	30.85789	--	--	--	--	--	--
%RSD	.4447446	--	--	--	--	--	--
#1	6917	--	--	--	--	--	--
#2	6960	--	--	--	--	--	--

Analysis Report 10/06/00 10:47:07 PM page 1

Method: QTESTNAK Sample Name: DLJKN Operator: KT
Run Time: 10/06/00 22:41:13
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06524	L-.00779	.00349	154.47	.05806	1.5929	.00570
SDev	.00063	.00285	.00259	.13	.00222	.0021	.00014
%RSD	.96654	36.600	74.132	.08629	3.8190	.13261	2.4407
#1	.06568	L-.00980	.00533	154.57	.05963	1.5914	.00580
#2	.06479	L-.00577	.00166	154.38	.05649	1.5944	.00561
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	-.00055	31.883	.21494	.13826	.18407	252.40	52.923
SDev	.00024	.002	.00023	.00079	.00062	.09	.079
%RSD	43.359	.00549	.10627	.56902	.33652	.03679	.14835
#1	-.00071	31.882	.21478	.13770	.18451	252.33	52.868
#2	-.00038	31.884	.21510	.13882	.18363	252.47	52.979
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	5.9427	.00851	.15914	-.00131	16.117	.00999	10.298
SDev	.0200	.00508	.00010	.00061	.021	.00260	.015
%RSD	.33606	59.725	.06096	46.763	.12933	26.051	.14371
#1	5.9286	.01210	.15907	-.00088	16.131	.00815	10.288
#2	5.9568	.00491	.15921	-.00174	16.102	.01183	10.309
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	.48793	.53184	.00293	.00246	.00556	.08404	.05585
SDev	.00035	.00254	.01240	.00175	.00427	.00205	.00008
%RSD	.07085	.47791	423.47	71.059	76.860	2.4377	.13869
#1	.48817	.53004	.01170	.00370	.00858	.08549	.05579
#2	.48768	.53364	-.00584	.00123	.00254	.08259	.05590
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	-.01550	-.00394	.1065	.7915	1.713
SDev	.00282	.00286	.0017	.0012	.007
%RSD	18.210	72.743	1.617	.1532	.4039
#1	-.01749	-.00596	.1077	.7907	1.718
#2	-.01350	-.00191	.1053	.7924	1.708
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	7020	--	--	--	--	--	--
SDev	23.50439	--	--	--	--	--	--
%RSD	.3348309	--	--	--	--	--	--
#1	7003	--	--	--	--	--	--
#2	7036	--	--	--	--	--	--

Analysis Report 10/06/00 10:53:05 PM page 1

Method: QTESTNAK Sample Name: DLJKW Operator: KT
Run Time: 10/06/00 22:47:11
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05181	-.00276	-.00036	171.94	.02207	.68451	.00520
SDev	.00265	.00323	.00308	.20	.00274	.00167	.00014
%RSD	5.1149	117.20	862.11	.11445	12.398	.24416	2.7694
#1	.04993	-.00047	.00182	172.08	.02013	.68569	.00530
#2	.05368	L-.00505	-.00253	171.80	.02400	.68333	.00510
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	17.059	.23605	.15094	.17523	190.72	48.170
SDev	.00024	.001	.00001	.00007	.00081	.13	.085
%RSD	11.676	.00518	.00579	.04799	.46230	.06601	.17589
#1	-.00191	17.058	.23606	.15099	.17580	190.81	48.229
#2	-.00225	17.059	.23604	.15089	.17466	190.63	48.110
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	2.0274	.00345	.13070	-.00099	17.341	.00779	9.2357
SDev	.0012	.00338	.00058	.00007	.149	.00127	.0075
%RSD	.05972	98.236	.44539	7.3170	.85672	16.237	.08070
#1	2.0283	.00584	.13111	-.00104	17.446	.00869	9.2410
#2	2.0266	.00105	.13029	-.00094	17.236	.00690	9.2304
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	.28401	.51775	.00751	-.00045	-.00018	.06296	.04624
SDev	.00042	.00095	.00001	.00309	.00305	.00297	.00249
%RSD	.14716	.18348	.11435	692.68	1710.7	4.7152	5.3867
#1	.28431	.51842	.00750	.00174	.00198	.06086	.04448
#2	.28372	.51708	.00752	-.00263	-.00234	.06505	.04800
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	-.01111	.00141	.1476	.3599	1.676
SDev	.00716	.00128	.0007	.0006	.000
%RSD	64.402	90.609	.4848	.1717	.0237
#1	-.00605	.00231	.1471	.3603	1.675
#2	-.01617	.00051	.1481	.3595	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	7000	--	--	--	--	--	--
SDev	31.39547	--	--	--	--	--	--
%RSD	.4485016	--	--	--	--	--	--
#1	6978	--	--	--	--	--	--
#2	7022	--	--	--	--	--	--

Analysis Report 10/06/00 11:01:11 PM page 1

Method: QTESTNAK Sample Name: DLJL1 Operator: KT
Run Time: 10/06/00 22:55:17
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05620	L-.00647	.00075	167.74	.05286	.91103	.00533
SDev	.00259	.00062	.00137	.10	.00032	.00303	.00003
%RSD	4.6014	9.6362	182.19	.06121	.59766	.33258	.61351
#1	.05438	L-.00602	-.00022	167.81	.05308	.91317	.00536
#2	.05803	L-.00691	.00172	167.67	.05264	.90889	.00531
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	-.00204	23.430	.20721	.18982	.22234	209.83	55.255
SDev	.00016	.029	.00104	.00111	.00068	.08	.145
%RSD	8.0170	.12403	.50117	.58378	.30640	.03807	.26282
#1	-.00193	23.409	.20795	.19060	.22282	209.77	55.358
#2	-.00216	23.450	.20648	.18904	.22186	209.89	55.153
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	4.3978	.00543	.15278	-.00278	16.850	.00657	10.265
SDev	.0062	.00334	.00019	.00019	.066	.00400	.020
%RSD	.14115	61.442	.12348	6.8565	.39255	60.910	.19019
#1	4.4021	.00779	.15291	-.00265	16.897	.00374	10.279
#2	4.3934	.00307	.15264	-.00292	16.804	.00940	10.251
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	.41405	.44289	.01261	.00039	.00149	.07027	.04918
SDev	.00048	.00110	.00829	.00150	.00112	.00116	.00330
%RSD	.11572	.24836	65.700	387.75	75.357	1.6545	6.7035
#1	.41439	.44366	.01847	-.00067	.00070	.06945	.04685
#2	.41371	.44211	.00675	.00144	.00228	.07109	.05151
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	-.02053	.00056	.0929	.5185	1.505
sDev	.00029	.00108	.0009	.0016	.008
%RSD	1.4055	193.69	.9420	.3026	.5557
#1	-.02073	.00132	.0922	.5196	1.511
#2	-.02033	-.00021	.0935	.5174	1.499
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	7027	--	--	--	--	--	--
SDev	37.70281	--	--	--	--	--	--
%RSD	.5365283	--	--	--	--	--	--
#1	7001	--	--	--	--	--	--
#2	7054	--	--	--	--	--	--

Analysis Report 10/06/00 11:07:08 PM page 1

Method: QTESTNAK Sample Name: DLJL4 Operator: KT
Run Time: 10/06/00 23:01:15
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05058	-.00475	.00214	191.69	.04443	.79013	.00673
SDev	.00086	.00567	.00288	.69	.00402	.00044	.00015
%RSD	1.6941	119.27	134.65	.36188	9.0563	.05509	2.2276
#1	.04997	L-.00876	.00010	192.18	.04727	.78982	.00683
#2	.05119	-.00074	.00417	191.20	.04158	.79043	.00662
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	-.00230	12.765	.26400	.07887	.19120	251.60	60.138
SDev	.00022	.038	.00025	.00177	.00136	.55	.026
%RSD	9.5854	.30075	.09302	2.2488	.71058	.21876	.04268
#1	-.00214	12.792	.26417	.08013	.19216	251.99	60.120
#2	-.00245	12.738	.26383	.07762	.19024	251.21	60.156
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	2.4624	.00471	.16691	-.00190	25.139	.01413	9.7806
SDev	.0020	.00686	.00006	.00006	.056	.00491	.0118
%RSD	.08120	145.45	.03857	3.2186	.22472	34.761	.12095
#1	2.4610	.00956	.16695	-.00186	25.179	.01760	9.7890
#2	2.4638	-.00013	.16686	-.00194	25.099	.01065	9.7723
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	.48978	.49140	.00251	.00263	.00115	.06709	.04234
SDev	.00018	.00011	.00419	.00405	.00052	.00221	.00239
%RSD	.03768	.02166	166.81	154.11	45.251	3.2982	5.6434
#1	.48965	.49133	-.00045	-.00024	.00078	.06865	.04065
#2	.48991	.49148	.00548	.00550	.00151	.06552	.04403
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	-.01473	.00023	.1293	.2619	1.527
SDev	.00851	.01274	.0005	.0001	.000
%RSD	57.792	5601.6	.4147	.0372	.0231
#1	-.00871	-.00878	.1297	.2620	1.527
#2	-.02074	.00924	.1289	.2619	1.528
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	6991	--	--	--	--	--	--
SDev	29.21787	--	--	--	--	--	--
%RSD	.4179200	--	--	--	--	--	--
#1	6971	--	--	--	--	--	--
#2	7012	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLJL9 Operator: KT
Run Time: 10/06/00 23:09:20
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06486	-.00364	.00186	186.35	.01842	.80771	.00545
SDev	.00147	.00763	.00227	.11	.00962	.00066	.00003
%RSD	2.2604	209.51	121.71	.05846	52.243	.08156	.47225
#1	.06383	L-.00904	.00026	186.43	.02522	.80817	.00547
#2	.06590	.00175	.00346	186.28	.01161	.80724	.00543
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	-.00173	19.924	.24876	.12205	.19329	246.39	66.626
SDev	.00038	.029	.00043	.00059	.00078	.14	.043
%RSD	22.045	.14758	.17377	.48027	.40356	.05746	.06479
#1	-.00199	19.903	.24907	.12247	.19384	246.29	66.657
#2	-.00146	19.945	.24846	.12164	.19273	246.49	66.596
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	4.0336	.00654	.16802	-.00176	22.650	.00263	7.3185
SDev	.0067	.00008	.00067	.00013	.006	.00515	.0094
%RSD	.16606	1.2670	.39873	7.5333	.02806	195.64	.12859
#1	4.0288	.00648	.16849	-.00166	22.655	-.00101	7.3119
#2	4.0383	.00660	.16754	-.00185	22.646	.00627	7.3252
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5.000	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	.32622	.52103	.00645	.00066	.00427	.08302	.05580
SDev	.00137	.00148	.00001	.00478	.00277	.00161	.00300
%RSD	.41917	.28396	.07793	726.86	64.712	1.9393	5.3799
#1	.32526	.51999	.00646	-.00272	.00623	.08416	.05368
#2	.32719	.52208	.00645	.00404	.00232	.08188	.05792
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	-.01348	.00127	.1952	.4411	1.470
SDev	.01296	.00497	.0006	.0001	.001
%RSD	96.079	390.68	.3082	.0226	.0658
#1	-.02264	-.00224	.1948	.4412	1.471
#2	-.00432	.00479	.1956	.4410	1.469
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	6964	--	--	--	--	--	--
SDev	27.91656	--	--	--	--	--	--
%RSD	.4008961	--	--	--	--	--	--
#1	6944	--	--	--	--	--	--
#2	6983	--	--	--	--	--	--

Analysis Report 10/06/00 11:23:19 PM

Method: QTESTNAK Sample Name: DLJME Operator: KT
Run Time: 10/06/00 23:17:26
mment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04275	-.00060	.00208	138.19	.01946	.78340	.00468
SDev	.00077	.00439	.00185	.09	.00038	.00194	.00001
%RSD	1.7999	733.05	89.033	.06373	1.9353	.24812	.23922
#1	.04221	-.00371	.00339	138.26	.01972	.78203	.00469
#2	.04329	.00251	.00077	138.13	.01919	.78478	.00467
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	-.00060	19.082	.17433	.08339	.14051	171.11	32.727
SDev	.00005	.055	.00025	.00016	.00024	.07	.047
%RSD	8.4154	.29053	.14484	.19485	.17118	.04278	.14412
#1	-.00063	19.043	.17451	.08350	.14034	171.16	32.693
#2	-.00056	19.121	.17415	.08327	.14068	171.06	32.760
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	4.6358	.00641	.10793	-.00216	4.3635	.00255	9.7644
SDev	.0108	.00340	.00042	.00013	.1000	.00249	.0196
%RSD	.23392	52.956	.38415	6.1719	2.2925	97.410	.20033
#1	4.6281	.00881	.10764	-.00206	4.4343	.00431	9.7783
#2	4.6435	.00401	.10822	-.00225	4.2928	.00080	9.7506
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	.35884	.33537	-.00326	.00140	.00343	.05756	.03536
SDev	.00064	.00152	.00819	.00379	.00204	.00160	.00195
%RSD	.17919	.45316	251.46	270.34	59.358	2.7768	5.5199
#1	.35839	.33430	.00253	.00409	.00199	.05869	.03398
#2	.35930	.33645	-.00904	-.00128	.00488	.05643	.03674
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	-.00624	.00222	.0241	.2345	1.853
SDev	.00206	.00556	.0000	.0004	.004
%RSD	33.017	250.86	.1866	.1795	.2182
#1	-.00769	-.00171	.0241	.2342	1.850
#2	-.00478	.00615	.0240	.2348	1.856
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	7064	--	--	--	--	--	--
SDev	13.74611	--	--	--	--	--	--
%RSD	.1945807	--	--	--	--	--	--
#1	7055	--	--	--	--	--	--
#2	7074	--	--	--	--	--	--

Analysis Report 10/06/00 11:31:25 PM page 1

Method: QTESTNAK Sample Name: DLJMG Operator: KT
Run Time: 10/06/00 23:25:31
ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05464	L-.00733	-.00191	247.55	.03207	1.3521	.00757
SDev	.00098	.00197	.00175	.15	.00945	.0039	.00002
%RSD	1.7945	26.854	92.029	.05993	29.477	.29042	.31271
#1	.05394	L-.00872	-.00067	247.44	.02539	1.3493	.00759
#2	.05533	L-.00594	-.00315	247.65	.03875	1.3549	.00756
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	-.00218	22.648	.26686	.08633	.16537	262.67	50.045
SDev	.00086	.015	.00011	.00036	.00072	.13	.157
%RSD	39.677	.06459	.04068	.42286	.43699	.04914	.31306
#1	-.00157	22.638	.26679	.08607	.16588	262.58	49.934
#2	-.00279	22.658	.26694	.08659	.16486	262.76	50.156
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	3.4602	.00713	.13817	-.00232	7.2501	.01081	11.955
SDev	.0168	.00165	.00038	.00000	.0523	.00111	.001
%RSD	.48501	23.123	.27510	.16180	.72150	10.279	.00821
#1	3.4484	.00830	.13844	-.00232	7.2131	.01160	11.956
#2	3.4721	.00597	.13790	-.00232	7.2871	.01003	11.954
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	.53028	.49449	.02117	-.00370	.00168	.07381	.04506
SDev	.00029	.00222	.00005	.00365	.00204	.00028	.00161
%RSD	.05459	.44867	.25416	98.636	121.09	.37530	3.5688
#1	.53007	.49292	.02121	-.00112	.00024	.07401	.04393
#2	.53048	.49605	.02113	-.00628	.00313	.07362	.04620
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	-.01423	-.00388	.0445	.3217	1.861
sDev	.01185	.00887	.0015	.0011	.006
%RSD	83.310	228.37	3.343	.3400	.3352
#1	-.00585	-.01015	.0456	.3209	1.865
#2	-.02261	.00239	.0435	.3224	1.857
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	7027	--	--	--	--	--	--
SDev	19.45959	--	--	--	--	--	--
%RSD	.2769229	--	--	--	--	--	--
#1	7013	--	--	--	--	--	--
#2	7041	--	--	--	--	--	--

Method: QTESTNAK Sample Name: CCVT Operator: KT
Run Time: 10/06/00 23:31:29
nment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49499	.48529	.49426	24.288	.49456	1.9939	2.0403
SDev	.00009	.00234	.00019	.043	.00856	.0017	.0031
%RSD	.01736	.48268	.03887	.17823	1.7300	.08564	.15386
#1	.49506	.48363	.49439	24.319	.48851	1.9951	2.0425
#2	.49493	.48694	.49412	24.257	.50061	1.9927	2.0381
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	.50695	101.72	2.0213	2.0040	1.9521	25.243	98.929
SDev	.00059	.20	.0041	.0045	.0039	.049	.144
%RSD	.11577	.19636	.20102	.22673	.19844	.19490	.14522
#1	.50653	101.86	2.0242	2.0072	1.9548	25.278	99.030
#2	.50736	101.58	2.0184	2.0008	1.9494	25.208	98.827
rrors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
igh	.55000	110.00	2.2000	2.2000	2.2000	27.500	110.00
Low	.45000	90.000	1.8000	1.8000	1.8000	22.500	90.000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0164	1.9954	2.0205	.98651	49.282	.97243	1.9876
SDev	.0020	.0248	.0002	.00172	.099	.00255	.0005
%RSD	.09713	1.2433	.01042	.17467	.20093	.26230	.02626
#1	2.0178	1.9779	2.0203	.98773	49.352	.97063	1.9880
#2	2.0151	2.0130	2.0206	.98529	49.212	.97424	1.9873
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	2.0032	2.0252	1.9528	.49507	.49263	.49432	.49533
SDev	.0011	.0025	.0187	.00341	.00625	.00038	.00006
%RSD	.05510	.12398	.95856	.68820	1.2682	.07680	.01226
#1	2.0024	2.0270	1.9660	.49748	.48821	.49459	.49529
#2	2.0040	2.0234	1.9395	.49266	.49705	.49405	.49537
rrors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	2.2000	2.2000	2.2000				
Low	1.8000	1.8000	1.8000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.48650	.48468	1.932	2.017	1.952
SDev	.00452	.00577	.001	.002	.003
%RSD	.92905	1.1901	.0606	.1195	.1355
#1	.48970	.48060	1.931	2.018	1.950
#2	.48331	.48876	1.933	2.015	1.953
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	6805	--	--	--	--	--	--
SDev	5.826726	--	--	--	--	--	--
%RSD	.0856247	--	--	--	--	--	--
#1	6801	--	--	--	--	--	--
#2	6809	--	--	--	--	--	--

Analysis Report QC Standard 10/06/00 11:45:28 PM page 1

Method: QTESTNAK Sample Name: CCBT. Operator: KT
Run Time: 10/06/00 23:39:34
ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00195	-.00060	.00496	.01284	-.00393	-.00001	.00015
SDev	.00003	.00069	.00174	.00047	.00500	.00000	.00001
%RSD	1.4317	113.79	35.128	3.6550	127.46	30.980	4.3181
#1	.00197	-.00012	.00373	.01318	-.00746	-.00001	.00015
#2	.00193	-.00109	.00619	.01251	-.00039	-.00001	.00014
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	-.00498	.00014	.00049	-.00055	.00865	.00766
SDev	.00021	.00154	.00002	.00000	.00037	.00300	.00202
%RSD	137.63	30.964	17.127	.04622	68.055	34.642	26.374
#1	-.00029	-.00389	.00015	.00049	-.00028	.00653	.00909
#2	-.00000	-.00608	.00012	.00049	-.00081	.01077	.00623
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	.00015	.00238	.00091	-.00019	.16033	.00662	.00114
SDev	.00023	.00174	.00124	.00000	.02630	.00418	.00001
%RSD	153.34	73.060	136.02	1.0634	16.406	63.058	.94750
#1	.00031	.00361	.00179	-.00019	.17893	.00367	.00113
#2	-.00001	.00115	.00003	-.00019	.14173	.00958	.00115
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	.00030	-.00011	.00633	.00621	.00246	.00092	.00247
SDev	.00046	.00003	.00832	.00205	.00113	.00382	.00195
%RSD	153.63	25.906	131.54	33.022	45.774	414.15	78.825
#1	.00063	-.00009	.00044	.00476	.00166	-.00178	.00385
#2	-.00003	-.00013	.01221	.00766	.00325	.00362	.00109
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	-.00556	.00187	.0010	.0002	<.0000
SDev	.00236	.00221	.0027	.0000	.0029
%RSD	42.371	117.69	269.8	1.009	38.12
#1	-.00723	.00343	.0029	.0002	<.0000
#2	-.00390	.00031	<.0000	.0002	<.0000
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value			.0000	.0000	.0000
Range			.2000	.0500	.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	7075	--	--	--	--	--	--
SDev	71.36116	--	--	--	--	--	--
%RSD	1.008704	--	--	--	--	--	--
#1	7024	--	--	--	--	--	--
#2	7125	--	--	--	--	--	--

Analysis Report 10/06/00 11:51:26 PM page 1

Method: QTESTNAK Sample Name: DLJMK Operator: KT
Run Time: 10/06/00 23:45:32
ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.16148	-.00430	.00460	190.12	.05327	1.5236	.00628
SDev	.00144	.00231	.00015	.36	.00261	.0013	.00014
%RSD	.89046	53.694	3.3063	.18695	4.8894	.08788	2.2303
#1	.16250	-.00267	.00471	190.37	.05512	1.5227	.00638
#2	.16047	L-.00593	.00449	189.87	.05143	1.5246	.00618
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	-.00044	40.704	.23581	.10405	.21440	233.61	46.955
SDev	.00049	.069	.00010	.00023	.00094	.36	.098
%RSD	110.63	.17060	.04221	.22622	.43797	.15534	.20839
#1	-.00010	40.655	.23588	.10389	.21506	233.35	46.886
#2	-.00079	40.753	.23573	.10422	.21373	233.87	47.024
rrors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
igh	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.1751	.01042	.17909	-.00222	8.2510	.00239	9.0497
SDev	.0209	.00330	.00057	.00013	.0654	.00198	.0147
%RSD	.40433	31.703	.31678	5.9007	.79236	82.843	.16224
#1	5.1603	.01275	.17949	-.00213	8.2048	.00099	9.0393
#2	5.1899	.00808	.17869	-.00231	8.2973	.00378	9.0601
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	.46122	.49564	.01193	.00489	.00402	.17962	.15243
SDev	.00248	.00191	.00812	.00098	.00243	.00432	.00000
%RSD	.53778	.38599	68.076	20.134	60.366	2.4064	.00143
#1	.45947	.49429	.00619	.00419	.00574	.18268	.15242
#2	.46297	.49700	.01767	.00559	.00231	.17657	.15243
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	-.01352	.00031	.0353	.4585	1.900
SDev	.00577	.00058	.0026	.0006	.001
%RSD	42.705	188.86	7.327	.1322	.0585
#1	-.00944	.00071	.0335	.4581	1.901
#2	-.01760	-.00010	.0372	.4589	1.900
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	7125	--	--	--	--	--	--
SDev	22.68404	--	--	--	--	--	--
%RSD	.3183939	--	--	--	--	--	--
#1	7108	--	--	--	--	--	--
#2	7141	--	--	--	--	--	--

Analysis Report 10/06/00 11:59:32 PM page 1

Method: QTESTNAK Sample Name: DLJML Operator: KT
Run Time: 10/06/00 23:53:38
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05407	.00020	.00268	223.88	.02426	1.5893	.00664
SDev	.00235	.00038	.00182	.14	.00085	.0000	.00015
%RSD	4.3481	192.18	67.969	.06078	3.4954	.00225	2.2383
#1	.05241	.00047	.00139	223.97	.02486	1.5893	.00675
#2	.05573	-.00007	.00397	223.78	.02366	1.5893	.00654
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	-.00298	23.241	.26869	.09989	.13647	241.99	47.562
SDev	.00051	.043	.00051	.00196	.00055	.44	.034
%RSD	17.087	.18711	.18860	1.9647	.40584	.18305	.07217
#1	-.00334	23.211	.26833	.10128	.13687	241.68	47.538
#2	-.00262	23.272	.26904	.09851	.13608	242.31	47.586
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.7526	.00513	.13487	-.00215	7.0471	.00725	11.972
SDev	.0121	.00159	.00070	.00026	.1034	.00114	.030
%RSD	.32214	30.900	.51710	12.291	1.4672	15.747	.24909
#1	3.7441	.00625	.13438	-.00196	7.1202	.00806	11.951
#2	3.7612	.00401	.13536	-.00234	6.9739	.00644	11.993
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	.50372	.43672	.01324	-.00034	.00874	.07008	.04608
SDev	.00188	.00169	.00406	.00382	.00218	.00232	.00468
%RSD	.37385	.38644	30.631	1116.8	24.982	3.3125	10.164
#1	.50238	.43552	.01037	-.00305	.01029	.07172	.04277
#2	.50505	.43791	.01611	.00236	.00720	.06843	.04939
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	-.00747	.00403	.0482	.3434	1.680
SDev	.00878	.00496	.0012	.0001	.001
%RSD	117.65	123.18	2.425	.0375	.0607
#1	-.01368	.00753	.0473	.3433	1.679
#2	-.00126	.00052	.0490	.3435	1.681
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	7061	--	--	--	--	--	--
SDev	28.93510	--	--	--	--	--	--
%RSD	.4098119	--	--	--	--	--	--
#1	7040	--	--	--	--	--	--
#2	7081	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLLVCB-0279506 Operator: KT
Run Time: 10/07/00 00:01:44
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00231	.00037	.00222	.03192	-.00011	-.00001	.00015
SDev	.00200	.00045	.00199	.00039	.00036	.00000	.00000
%RSD	86.593	120.64	89.609	1.2190	316.55	3.6441	.10694
#1	.00373	.00005	.00362	.03220	-.00036	-.00001	.00015
#2	.00090	.00069	.00081	.03165	.00014	-.00001	.00015
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	.00028	-.00361	-.00005	.00001	-.00026	.03406	.00515
SDev	.00008	.00013	.00010	.00069	.00001	.00902	.00188
%RSD	27.908	3.6405	192.86	10476.	3.6967	26.466	36.465
#1	.00033	-.00370	.00002	-.00048	-.00027	.04044	.00648
#2	.00022	-.00352	-.00012	.00049	-.00026	.02769	.00382
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	.00063	.00240	.00180	-.00014	.32151	-.00299	.00221
SDev	.00000	.00171	.00126	.00020	.00958	.00520	.00076
%RSD	.12919	71.323	69.916	141.48	2.9802	173.98	34.552
#1	.00063	.00361	.00091	.00000	.32829	.00069	.00274
#2	.00063	.00119	.00268	-.00029	.31474	-.00666	.00167
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	.00030	-.00008	.00040	.00239	.00187	.00287	.00203
SDev	.00046	.00000	.00830	.00223	.00150	.00055	.00328
%RSD	149.25	1.3260	2049.6	93.277	80.229	19.217	161.23
#1	-.00002	-.00009	.00627	.00397	.00293	.00248	.00435
#2	.00063	-.00008	-.00546	.00081	.00081	.00326	-.00028
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	-.00872	.00491	.0010	.0000	.0027
SDev	.00070	.00102	.0000	.0000	.0001
%RSD	8.0482	20.842	.0000	.0000	5.388
#1	-.00822	.00419	.0010	.0000	.0026
#2	-.00922	.00564	.0010	.0000	.0028
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	7011	--	--	--	--	--	--
SDev	5.967940	--	--	--	--	--	--
%RSD	.0851208	--	--	--	--	--	--
#1	7015	--	--	--	--	--	--
#2	7007	--	--	--	--	--	--

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

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.45409	1.6933	.45971	1.7695	1.8072	2.0063	.04926
SDev	.00196	.0080	.00658	.0187	.0099	.0010	.00011
%RSD	.43071	.47368	1.4317	1.0587	.55037	.04997	.22945
#1	.45271	1.6876	.45506	1.7827	1.8002	2.0070	.04918
#2	.45547	1.6990	.46437	1.7562	1.8143	2.0056	.04934
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	.05053	L.01935	.20351	.50061	.24506	1.0100	L.01165
SDev	.00013	.00086	.00173	.00242	.00044	.0188	.00163
%RSD	.25692	4.4321	.85073	.48276	.17977	1.8591	14.010
#1	.05043	L.01995	.20228	.49890	.24537	.99675	L.01281
#2	.05062	L.01874	.20473	.50232	.24475	1.0233	L.01050
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	.51248	.96275	.49907	.04757	.85679	1.7604	L.00108
SDev	.00319	.01090	.00328	.00037	.03258	.0106	.00001
%RSD	.62171	1.1322	.65782	.77518	3.8026	.60457	.45126
#1	.51023	.95505	.49675	.04783	.83375	1.7529	L.00107
#2	.51474	.97046	.50139	.04731	.87982	1.7679	L.00108
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	.49775	.48910	.00022	.45992	.45929	.45742	.45243
SDev	.00080	.00286	.00842	.01018	.00062	.00068	.00327
%RSD	.16101	.58414	3869.7	2.2129	.13537	.14985	.72376
#1	.49718	.48708	-.00574	.45273	.45973	.45791	.45011
#2	.49832	.49112	.00617	.46712	.45885	.45694	.45474
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	1.6891	1.6954	L.0039	L.0001	.0580
SDev	.0020	.0130	.0014	.0001	.0030
%RSD	.11574	.76684	34.87	141.4	5.104
#1	1.6904	1.6862	L.0030	L.0002	.0601
#2	1.6877	1.7046	L.0049	L.0000	.0559
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	6964	--	--	--	--	--	--
SDev	33.60173	--	--	--	--	--	--
%RSD	.4825145	--	--	--	--	--	--
#1	6940	--	--	--	--	--	--
#2	6988	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLJMP Operator: KT
Run Time: 10/07/00 00:15:47
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05896	L-.00831	.00125	217.16	.02875	2.3634	.00731
SDev	.00484	.00171	.00064	.15	.00160	.0062	.00016
%RSD	8.2044	20.517	50.667	.06908	5.5555	.26278	2.1263
#1	.05554	L-.00711	.00170	217.27	.02988	2.3678	.00742
#2	.06238	L-.00952	.00080	217.05	.02762	2.3590	.00720
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	-.00090	39.661	.28002	.10422	.17609	272.64	55.028
SDev	.00045	.046	.00049	.00128	.00029	.32	.105
%RSD	49.924	.11678	.17508	1.2282	.16644	.11899	.19108
#1	-.00122	39.628	.27968	.10512	.17630	272.41	55.103
#2	-.00058	39.694	.28037	.10331	.17588	272.87	54.954
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	4.7929	.00575	.19496	-.00227	9.2721	.00173	6.5438
SDev	.0017	.00158	.00153	.00020	.1754	.00140	.0114
%RSD	.03580	27.467	.78739	8.5815	1.8920	80.964	.17489
#1	4.7917	.00687	.19605	-.00214	9.3961	.00272	6.5357
#2	4.7941	.00464	.19387	-.00241	9.1480	.00074	6.5519
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5.000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.52448	.48014	.00850	-.00037	.00450	.07651	.05021
SDev	.00017	.00104	.01239	.00073	.00336	.00385	.00533
%RSD	.03215	.21589	145.82	196.87	74.658	5.0341	10.616
#1	.52436	.48087	.01726	-.00088	.00688	.07378	.04644
#2	.52460	.47941	-.00026	.00014	.00213	.07923	.05397
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	-.00931	-.00781	.0319	.4967	1.733
SDev	.01044	.00265	.0001	.0010	.006
%RSD	112.12	33.978	.4543	.2030	.3724
#1	-.00193	-.00969	.0320	.4974	1.737
#2	-.01669	-.00594	.0318	.4960	1.728
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	7039	--	--	--	--	--	--
SDev	33.00787	--	--	--	--	--	--
%RSD	.4689297	--	--	--	--	--	--
#1	7016	--	--	--	--	--	--
#2	7062	--	--	--	--	--	--

Analysis Report 10/07/00 00:27:39 AM page 1

Method: QTESTNAK Sample Name: DLJMQ Operator: KT
Run Time: 10/07/00 00:21:45
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05129	-.00103	-.00135	189.09	.02412	1.3090	.00688
SDev	.00239	.00838	.00023	.30	.00210	.0001	.00016
%RSD	4.6546	814.92	16.868	.15707	8.6897	.01127	2.2694
#1	.04960	L-.00695	-.00119	188.88	.02263	1.3091	.00699
#2	.05298	.00489	-.00152	189.30	.02560	1.3089	.00677
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	-.00168	20.789	.22223	.12745	.13754	230.56	46.048
SDev	.00066	.068	.00071	.00075	.00014	.45	.014
%RSD	39.423	.32913	.31962	.58900	.10475	.19677	.02962
#1	-.00121	20.740	.22173	.12798	.13764	230.24	46.039
#2	-.00215	20.837	.22273	.12691	.13743	230.88	46.058
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	5.3361	.00752	.12583	-.00334	6.5958	.00372	12.538
SDev	.0113	.00331	.00061	.00006	.0600	.00891	.012
%RSD	.21166	44.009	.48736	1.6584	.91041	239.20	.09652
#1	5.3281	.00986	.12627	-.00330	6.6382	-.00257	12.547
#2	5.3441	.00518	.12540	-.00337	6.5533	.01002	12.530
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	.46373	.41597	.01391	-.00220	.00035	.06722	.04333
SDev	.00126	.00157	.01234	.00074	.00217	.00048	.00382
%RSD	.27112	.37680	88.756	33.707	629.00	.71462	8.8127
#1	.46284	.41708	.00518	-.00273	.00188	.06756	.04063
#2	.46461	.41486	.02263	-.00168	-.00119	.06688	.04603
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.00910	.00300	.0300	.3196	1.757
SDev	.00687	.00912	.0001	.0001	.001
%RSD	75.566	304.02	.4747	.0269	.0814
#1	-.01396	-.00345	.0301	.3195	1.758
#2	-.00424	.00945	.0299	.3196	1.756
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	7024	--	--	--	--	--	--
SDev	34.47871	--	--	--	--	--	--
%RSD	.4908965	--	--	--	--	--	--
#1	6999	--	--	--	--	--	--
#2	7048	--	--	--	--	--	--

Analysis Report 10/07/00 00:35:44 AM page 1

Method: QTESTNAK Sample Name: DLJMV Operator: KT
Run Time: 10/07/00 00:29:51
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05858	L-.00568	.00365	219.31	.02910	1.0388	.00722
SDev	.00036	.00148	.00444	.41	.00622	.0005	.00003
%RSD	.62007	25.987	121.81	.18685	21.369	.05280	.34257
#1	.05832	L-.00673	.00051	219.60	.03350	1.0392	.00723
#2	.05884	-.00464	.00679	219.02	.02470	1.0385	.00720
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	-.00196	20.974	.25923	.10101	.14791	245.07	45.137
SDev	.00035	.061	.00037	.00034	.00097	.08	.045
%RSD	17.770	.29115	.14179	.33558	.65691	.03084	.09939
#1	-.00171	20.931	.25897	.10125	.14859	245.01	45.106
#2	-.00221	21.018	.25949	.10077	.14722	245.12	45.169
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	3.3058	.00663	.12751	-.00225	7.2449	.00075	11.532
SDev	.0059	.00335	.00025	.00006	.0519	.00340	.020
%RSD	.17878	50.588	.19342	2.7812	.71602	454.38	.17639
#1	3.3016	.00900	.12734	-.00221	7.2816	-.00166	11.546
#2	3.3100	.00426	.12769	-.00230	7.2082	.00316	11.518
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	.52303	.43017	.01339	.00293	.00509	.07749	.04913
SDev	.00066	.00080	.00413	.00744	.00155	.00127	.00009
%RSD	.12601	.18592	30.839	253.93	30.495	1.6341	.17838
#1	.52257	.42960	.01632	-.00233	.00619	.07660	.04920
#2	.52350	.43073	.01047	.00819	.00399	.07839	.04907
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	-.01075	-.00316	.0405	.2975	1.908
SDev	.00518	.00480	.0012	.0001	.002
%RSD	48.197	152.20	3.074	.0343	.1267
#1	-.00709	-.00655	.0396	.2975	1.906
#2	-.01442	.00024	.0414	.2976	1.910
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	7053	--	--	--	--	--	--
SDev	21.01537	--	--	--	--	--	--
%RSD	.2979542	--	--	--	--	--	--
#1	7038	--	--	--	--	--	--
#2	7068	--	--	--	--	--	--

Analysis Report 10/07/00 00:41:42 AM page 1

Method: QTESTNAK Sample Name: DLJN0 Operator: KT
Run Time: 10/07/00 00:35:48
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04356	L-.00512	.00091	114.45	.02104	.82786	.00443
SDev	.00089	.00052	.00095	.11	.00156	.00028	.00014
%RSD	2.0390	10.113	103.85	.09886	7.4125	.03378	3.1427
#1	.04293	L-.00548	.00024	114.53	.01993	.82805	.00453
#2	.04419	-.00475	.00158	114.37	.02214	.82766	.00433
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	20.709	.16589	.09273	.14088	158.89	31.029
SDev	.00018	.020	.00120	.00122	.00035	.31	.034
%RSD	25.062	.09486	.72094	1.3191	.24628	.19581	.11113
#1	-.00084	20.695	.16674	.09359	.14112	158.67	31.005
#2	-.00059	20.723	.16505	.09186	.14063	159.11	31.054
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	5.1601	.00401	.11108	-.00255	4.1342	.00292	8.7168
SDev	.0102	.00162	.00140	.00019	.0547	.00184	.0266
%RSD	.19738	40.414	1.2566	7.6097	1.3242	62.935	.30516
#1	5.1529	.00515	.11009	-.00242	4.1730	.00162	8.6979
#2	5.1673	.00286	.11207	-.00269	4.0955	.00422	8.7356
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	.33720	.30799	.00648	-.00060	.00393	.05675	.03698
SDev	.00163	.00147	.00410	.00308	.00332	.00248	.00257
%RSD	.48385	.47761	63.260	517.59	84.373	4.3685	6.9490
#1	.33604	.30903	.00937	-.00277	.00628	.05851	.03516
#2	.33835	.30695	.00358	.00158	.00159	.05500	.03879
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	-.01176	-.00180	.0202	.2585	1.944
SDev	.00114	.00134	.0001	.0001	.009
%RSD	9.6854	74.603	.4025	.0417	.4836
#1	-.01095	-.00275	.0202	.2584	1.938
#2	-.01256	-.00085	.0201	.2586	1.951
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	7088	--	--	--	--	--	--
SDev	30.00957	--	--	--	--	--	--
%RSD	.4233605	--	--	--	--	--	--
#1	7067	--	--	--	--	--	--
#2	7110	--	--	--	--	--	--

Analysis Report 10/07/00 00:47:40 AM page 1

Method: QTESTNAK Sample Name: DLJN1 Operator: KT
Run Time: 10/07/00 00:41:46
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05320	-.00432	.00003	200.64	.02345	1.2196	.00626
SDev	.00200	.00628	.00479	.16	.00519	.0041	.00023
%RSD	3.7650	145.37	17089.	.07769	22.148	.33592	3.6075
#1	.05178	L-.00876	-.00336	200.75	.01978	1.2167	.00642
#2	.05462	.00012	.00341	200.53	.02712	1.2225	.00610
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	-.00174	20.994	.22996	.10670	.12617	229.84	42.674
SDev	.00003	.007	.00035	.00046	.00092	.23	.148
%RSD	1.8352	.03483	.15210	.43130	.73103	.09912	.34644
#1	-.00172	20.989	.22972	.10703	.12682	230.00	42.569
#2	-.00176	20.999	.23021	.10638	.12551	229.68	42.778
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	4.4319	.00387	.12535	-.00281	6.4514	.00943	11.019
SDev	.0165	.00175	.00111	.00000	.1817	.00135	.033
%RSD	.37284	45.158	.88860	.16236	2.8169	14.281	.29780
#1	4.4202	.00511	.12614	-.00281	6.5799	.00848	11.042
#2	4.4435	.00264	.12457	-.00281	6.3229	.01039	10.996
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	.48228	.39174	.00549	-.00149	.00308	.06941	.04511
SDev	.00033	.00124	.00822	.00821	.00207	.00371	.00115
%RSD	.06895	.31622	149.57	549.49	67.240	5.3411	2.5543
#1	.48252	.39087	.01130	-.00730	.00454	.06678	.04429
#2	.48205	.39262	-.00032	.00431	.00161	.07203	.04592
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

nits			ppm	ppm	ppm
vge	-.01227	-.00035	.0289	.2999	1.793
SDev	.00924	.00480	.0013	.0012	.001
%RSD	75.288	1366.4	4.605	.4010	.0534
#1	-.01880	-.00375	.0299	.2991	1.793
#2	-.00574	.00305	.0280	.3008	1.792
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	7.608648	--	--	--	--	--	--
%RSD	.1079152	--	--	--	--	--	--
#1	7056	--	--	--	--	--	--
#2	7045	--	--	--	--	--	--

Analysis Report 10/07/00 00:55:46 AM page 1

Method: QTESTNAK Sample Name: DLJN5 Operator: KT
F Time: 10/07/00 00:49:52
C..ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.11730	.00107	.00327	106.49	.01255	.99818	.00396
SDev	.00094	.00302	.00139	.04	.00150	.00294	.00014
%RSD	.80450	282.90	42.716	.03390	11.951	.29482	3.5241
#1	.11797	-.00107	.00228	106.46	.01149	.99610	.00406
#2	.11663	.00320	.00425	106.51	.01361	1.0003	.00386
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	-.00050	17.619	.15655	.07460	.14832	145.11	28.224
SDev	.00043	.036	.00055	.00051	.00022	.25	.100
%RSD	85.498	.20599	.35065	.68439	.15106	.17059	.35544
#1	-.00081	17.594	.15616	.07496	.14848	144.93	28.153
#2	-.00020	17.645	.15694	.07424	.14817	145.28	28.295
.rors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.8897	.00862	.09308	-.00165	3.7409	.00327	8.5157
SDev	.0215	.00005	.00045	.00020	.0775	.00840	.0189
%RSD	.55358	.56319	.48516	11.996	2.0722	256.70	.22252
#1	3.8745	.00858	.09339	-.00151	3.7957	-.00267	8.5023
#2	3.9049	.00865	.09276	-.00179	3.6861	.00921	8.5291
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	.30725	.41904	.00995	.00297	.00386	.12995	.11098
SDev	.00066	.00222	.01639	.00198	.00023	.00392	.00054
%RSD	.21451	.53029	164.80	66.506	6.0493	3.0166	.48864
#1	.30678	.41747	.02154	.00157	.00369	.13272	.11060
#2	.30771	.42061	-.00164	.00437	.00402	.12718	.11136
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	-.00787	.00553	.0221	.2458	1.976
SDev	.00151	.00377	.0001	.0013	.008
%RSD	19.229	68.242	.4679	.5326	.4274
#1	-.00894	.00286	.0222	.2449	1.970
#2	-.00680	.00820	.0220	.2467	1.982
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	7089	--	--	--	--	--	--
SDev	34.73317	--	--	--	--	--	--
%RSD	.4899365	--	--	--	--	--	--
#1	7065	--	--	--	--	--	--
#2	7114	--	--	--	--	--	--

Method: QTESTNAK Sample Name: CCVT Operator: KT
Time: 10/07/00 00:57:58
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49839	.48861	.49953	24.358	.49546	2.0022	2.0471
SDev	.00037	.00378	.00387	.010	.00017	.0013	.0024
%RSD	.07422	.77430	.77508	.04221	.03439	.06585	.11675
#1	.49865	.48593	.49680	24.365	.49558	2.0012	2.0488
#2	.49813	.49128	.50227	24.351	.49534	2.0031	2.0454
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	.50830	102.23	2.0299	2.0079	1.9552	25.317	99.343
SDev	.00133	.05	.0048	.0013	.0011	.032	.071
%RSD	.26060	.05101	.23664	.06720	.05760	.12607	.07163
#1	.50923	102.27	2.0265	2.0069	1.9559	25.295	99.293
#2	.50736	102.20	2.0333	2.0088	1.9544	25.340	99.393
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	2.0228	2.0038	2.0259	.99132	49.414	.98219	1.9951
SDev	.0033	.0258	.0067	.00039	.060	.00019	.0039
%RSD	.16097	1.2885	.32999	.03970	.12218	.01935	.19700
#1	2.0205	1.9855	2.0212	.99160	49.372	.98206	1.9923
#2	2.0251	2.0221	2.0307	.99104	49.457	.98232	1.9979
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	2.0084	2.0333	1.9645	.50236	.49387	.49707	.49905
SDev	.0018	.0020	.0027	.00538	.00084	.00335	.00223
%RSD	.09189	.09962	.13674	1.0717	.17065	.67374	.44617
#1	2.0071	2.0319	1.9626	.49855	.49327	.49471	.50062
#2	2.0097	2.0348	1.9664	.50617	.49447	.49944	.49747
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	.48394	.49094	1.945	2.031	1.956
SDev	.00476	.00330	.004	.001	.005
%RSD	.98355	.67133	.2107	.0649	.2479
#1	.48057	.48861	1.942	2.030	1.953
#2	.48730	.49327	1.948	2.032	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	6785	--	--	--	--	--	--
SDev	9.361915	--	--	--	--	--	--
%RSD	.1379784	--	--	--	--	--	--
#1	6792	--	--	--	--	--	--
#2	6778	--	--	--	--	--	--

Analysis Report QC Standard 10/07/00 01:11:57 AM page 1

Method: QTESTNAK Sample Name: CCBT' Operator: KT
Run Time: 10/07/00 01:06:04
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00132	-.00002	.00444	.01793	-.00030	.00016	.00050
SDev	.00133	.00169	.00039	.00431	.00146	.00023	.00024
%RSD	101.00	8053.3	8.6978	24.046	486.61	145.37	47.624
#1	.00226	.00117	.00417	.02098	.00073	.00033	.00066
#2	.00038	-.00121	.00471	.01488	-.00133	-.00000	.00033
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	.00010	-.00223	.00018	.00049	-.00054	.01930	.00924
SDev	.00031	.00017	.00019	.00000	.00001	.00602	.00377
%RSD	324.55	7.5250	109.01	.16078	2.2216	31.209	40.780
#1	.00031	-.00235	.00031	.00049	-.00055	.02356	.01190
#2	-.00012	-.00211	.00004	.00049	-.00053	.01504	.00657
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	.00243	.00225	.00005	.27901	.00587	.00085
SDev	.00000	.00173	.00064	.00007	.06702	.00051	.00039
%RSD	.21802	71.002	28.183	141.60	24.022	8.7118	45.589
#1	.00032	.00366	.00180	-.00000	.23162	.00623	.00112
#2	.00032	.00121	.00270	.00010	.32640	.00551	.00057
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	-.00006	.00616	.00581	.00169	-.00190	.00292
SDev	.00000	.00000	.00001	.00058	.00001	.00048	.00224
%RSD	2.8897	3.8395	.20051	10.027	.43403	25.205	76.451
#1	-.00001	-.00006	.00617	.00540	.00170	-.00224	.00450
#2	-.00001	-.00006	.00615	.00623	.00169	-.00156	.00134
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	-.00241	.00117	.0020	.0002	<.0000
SDev	.00206	.00150	.0014	.0001	.0002
%RSD	85.301	128.19	70.13	47.04	4.787
#1	-.00096	.00223	.0029	.0003	<.0000
#2	-.00387	.00011	.0010	.0002	<.0000
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value			.0000	.0000	.0000
Range			.2000	.0500	.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6949	--	--	--	--	--	--
SDev	7.467089	--	--	--	--	--	--
%RSD	.1074537	--	--	--	--	--	--
#1	6954	--	--	--	--	--	--
#2	6944	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLJN5P Operator: KT
Run Time: 10/07/00 01:12:02
Comment:
Mode: CONC Corr. Factor: 5

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.12918	L-.00044	L.01232	106.17	L-.00143	1.0122	.00590
SDev	.00134	.01344	.00959	.32	.01231	.0041	.00064
%RSD	1.0345	3040.8	77.810	.29961	859.51	.40385	10.817
#1	.13013	L.00906	L.01910	106.40	L-.01014	1.0151	.00635
#2	.12824	L-.00995	L.00554	105.95	L.00727	1.0093	.00545
Errors	LC Pass	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-.00058	18.340	.15884	.07990	.14728	151.22	29.459
SDev	.00104	.267	.00251	.00408	.00141	1.02	.196
%RSD	179.21	1.4551	1.5826	5.1056	.95877	.67149	.66392
#1	L.00016	18.151	.16062	.08278	.14628	150.50	29.597
#2	L-.00132	18.528	.15707	.07701	.14828	151.94	29.321
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	4.0258	L.02114	.09719	L.00248	5.8808	L.01704	8.7413
SDev	.0176	.00003	.00059	.00473	1.0074	.00741	.0168
%RSD	.43753	.12471	.60214	190.48	17.130	43.469	.19236
#1	4.0382	L.02112	.09760	L-.00086	5.1684	L.01180	8.7294
#2	4.0133	L.02115	.09677	L.00583	6.5931	L.02227	8.7532
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	.31550	.44940	L.05248	.01018	.01662	.16912	.10925
SDev	.00013	.00327	.00016	.01946	.01019	.03538	.01967
%RSD	.04032	.72643	.29894	191.26	61.325	20.918	18.001
#1	.31541	.45171	L.05237	.02394	.00941	.14410	.12315
#2	.31559	.44709	L.05259	-.00359	.02382	.19413	.09534
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	-.00881	.00373	L.0146	.2497	2.021
SDev	.02428	.03227	.0137	.0010	.037
%RSD	275.74	864.47	93.46	.4117	1.808
#1	-.02597	.02655	L.0243	.2505	2.047
#2	.00836	-.01909	L.0050	.2490	1.995
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	7053	--	--	--	--	--	--
SDev	44.54773	--	--	--	--	--	--
%RSD	.6316479	--	--	--	--	--	--
#1	7021	--	--	--	--	--	--
#2	7084	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLJN5S Operator: KT
Run Time: 10/07/00 01:20:08
ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.52423	1.5457	.12701	112.98	1.6592	2.9609	.05011
SDev	.00234	.0045	.00417	.32	.0053	.0033	.00010
%RSD	.44713	.29425	3.2857	.28762	.31797	.11259	.20312
#1	.52257	1.5489	.12406	113.21	1.6629	2.9633	.05018
#2	.52589	1.5424	.12996	112.75	1.6554	2.9586	.05004
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	.04522	16.854	.33382	.54594	.37104	143.86	27.709
SDev	.00004	.029	.00011	.00102	.00114	.19	.027
%RSD	.08053	.17008	.03177	.18672	.30764	.13328	.09606
#1	.04520	16.833	.33375	.54522	.37185	143.72	27.728
#2	.04525	16.874	.33390	.54666	.37024	143.99	27.691
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	4.9636	.85075	.54584	.04087	3.7054	1.7009	8.0621
SDev	.0136	.00651	.00206	.00014	.1185	.0159	.0282
%RSD	.27396	.76543	.37838	.33492	3.1973	.93496	.34930
#1	4.9540	.84614	.54438	.04097	3.7891	1.6897	8.0421
#2	4.9733	.85535	.54730	.04077	3.6216	1.7122	8.0820
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	.75236	.83541	.00998	.12373	.13358	.53661	.51805
SDev	.00313	.00028	.00001	.00713	.00174	.00780	.00741
%RSD	.41540	.03341	.09052	5.7591	1.3031	1.4542	1.4304
#1	.75015	.83522	.00999	.11869	.13481	.54213	.51281
#2	.75457	.83561	.00998	.12877	.13235	.53109	.52329
rrors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	1.5437	1.5466	.0261	.2495	2.321
SDev	.0152	.0008	.0002	.0003	.021
%RSD	.98499	.04995	.6284	.1407	.8865
#1	1.5545	1.5461	.0262	.2492	2.335
#2	1.5329	1.5472	.0260	.2497	2.306
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	7040	--	--	--	--	--	--
SDev	45.99025	--	--	--	--	--	--
%RSD	.6532707	--	--	--	--	--	--
#1	7007	--	--	--	--	--	--
#2	7073	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLJN5D Operator: KT
Run Time: 10/07/00 01:28:13
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	.53484	1.5200	.13223	113.37	1.6421	2.9272	.04958
SDev	.00290	.0075	.00509	.09	.0006	.0027	.00003
%RSD	.54136	.49473	3.8533	.07884	.03907	.09259	.07132
#1	.53279	1.5147	.12863	113.31	1.6416	2.9253	.04961
#2	.53688	1.5253	.13583	113.44	1.6425	2.9291	.04956
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	.04495	16.995	.33328	.53734	.36924	143.07	27.346
SDev	.00034	.048	.00137	.00108	.00015	.25	.053
%RSD	.75840	.28384	.41123	.20015	.04086	.17712	.19409
#1	.04519	16.960	.33231	.53658	.36935	142.89	27.309
#2	.04471	17.029	.33425	.53810	.36913	143.24	27.384
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	5.9086	.83796	.54322	.04045	3.7286	1.6929	8.0554
SDev	.0269	.01100	.00211	.00036	.0937	.0052	.0206
%RSD	.45545	1.3125	.38753	.88567	2.5123	.30733	.25532
#1	5.8895	.83018	.54173	.04071	3.7948	1.6965	8.0408
#2	5.9276	.84573	.54471	.04020	3.6624	1.6892	8.0699
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	.74384	.84122	.00998	.13049	.13572	.54762	.52845
SDev	.00002	.00574	.00823	.00916	.00305	.00026	.00421
%RSD	.00312	.68208	82.426	7.0215	2.2477	.04841	.79640
#1	.74382	.83716	.00416	.12401	.13788	.54743	.52548
#2	.74386	.84528	.01580	.13697	.13357	.54781	.53143
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	1.5264	1.5168	.0251	.2531	2.287
ɔev	.0040	.0133	.0012	.0005	.000
%RSD	.26136	.87458	4.922	.2055	.0076
#1	1.5292	1.5074	.0242	.2527	2.288
#2	1.5235	1.5262	.0260	.2535	2.287
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	7045	--	--	--	--	--	--
SDev	37.56160	--	--	--	--	--	--
%RSD	.5331455	--	--	--	--	--	--
#1	7019	--	--	--	--	--	--
#2	7072	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLJN8 Operator: KT
Run Time: 10/07/00 01:36:19
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05363	-.00392	.00059	191.38	.02584	.97469	.00633
SDev	.00043	.00088	.00785	.21	.00522	.00210	.00004
%RSD	.80831	22.353	1326.7	.11088	20.198	.21549	.61123
#1	.05333	-.00454	-.00496	191.53	.02953	.97618	.00636
#2	.05394	-.00330	.00614	191.23	.02215	.97321	.00630
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	-.00078	21.926	.22272	.11325	.12983	224.34	42.452
SDev	.00014	.056	.00101	.00142	.00122	.25	.018
%RSD	17.994	.25441	.45152	1.2540	.94299	.11320	.04288
#1	-.00088	21.886	.22343	.11425	.13070	224.16	42.465
#2	-.00068	21.965	.22200	.11224	.12897	224.52	42.439
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	5.4606	.00681	.12966	-.00285	6.4985	.00716	10.863
SDev	.0136	.00334	.00005	.00001	.1242	.00308	.003
%RSD	.24995	49.092	.03767	.38542	1.9117	42.946	.02726
#1	5.4510	.00917	.12969	-.00286	6.5863	.00499	10.865
#2	5.4703	.00445	.12962	-.00284	6.4106	.00933	10.861
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	.47700	.40250	.00878	-.00007	.00193	.06958	.04567
SDev	.00104	.00063	.00417	.01360	.00369	.00217	.00173
%RSD	.21786	.15723	47.552	18169.	191.37	3.1127	3.7907
#1	.47626	.40205	.01173	-.00969	.00453	.07111	.04445
#2	.47773	.40295	.00583	.00954	-.00068	.06805	.04689
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	-.01926	.00374	.0282	.2843	1.896
SDev	.00040	.00151	.0001	.0004	.009
%RSD	2.0706	40.493	.5087	.1371	.4760
#1	-.01897	.00267	.0283	.2845	1.903
#2	-.01954	.00481	.0281	.2840	1.890
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6984	--	--	--	--	--	--
SDev	36.82618	--	--	--	--	--	--
%RSD	.5272814	--	--	--	--	--	--
#1	6958	--	--	--	--	--	--
#2	7010	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLJNC Operator: KT
Run Time: 10/07/00 01:44:25
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05792	-.00146	.00096	217.98	.04727	1.3959	.00670
SDev	.00075	.00095	.00051	.07	.00281	.0013	.00003
%RSD	1.3013	65.137	53.403	.03123	5.9468	.09379	.41372
#1	.05739	-.00079	.00060	218.03	.04528	1.3950	.00672
#2	.05846	-.00213	.00132	217.94	.04926	1.3968	.00668
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00181	56.803	.26687	.09957	.22742	267.15	70.208
SDev	.00127	.037	.00024	.00021	.00006	.11	.141
%RSD	70.226	.06501	.08890	.21373	.02729	.04159	.20079
#1	.00091	56.776	.26671	.09942	.22746	267.23	70.108
#2	.00271	56.829	.26704	.09972	.22738	267.07	70.308
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	4.1445	.00649	.17349	-.00241	9.0666	.00657	14.266
SDev	.0103	.00334	.00064	.00020	.1336	.00941	.012
%RSD	.24925	51.566	.36787	8.1587	1.4734	143.13	.08496
#1	4.1372	.00885	.17394	-.00227	9.1611	.01323	14.275
#2	4.1518	.00412	.17304	-.00255	8.9722	-.00008	14.258
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	.53059	.61651	.01485	-.00081	.00450	.07812	.04784
SDev	.00067	.00203	.00003	.00096	.00038	.00135	.00180
%RSD	.12698	.32868	.23703	118.46	8.3310	1.7243	3.7681
#1	.53106	.61507	.01488	-.00148	.00476	.07908	.04656
#2	.53011	.61794	.01483	-.00013	.00423	.07717	.04911
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	-.01180	.00371	.0366	.5222	4.682
SDev	.00646	.00180	.0015	.0006	.029
%RSD	54.697	48.558	4.078	.1130	.6125
#1	-.00724	.00244	.0376	.5218	4.662
#2	-.01637	.00498	.0355	.5226	4.703
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	7067	--	--	--	--	--	--
SDev	26.13464	--	--	--	--	--	--
%RSD	.3698061	--	--	--	--	--	--
#1	7049	--	--	--	--	--	--
#2	7086	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLJNE Operator: KT
Run Time: 10/07/00 01:52:31
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.07051	L-.00603	-.00048	208.65	.02413	1.6595	.00715
SDev	.00000	.00237	.00026	.15	.00624	.0021	.00015
%RSD	.00368	39.319	54.429	.07185	25.869	.12828	2.0788
#1	.07051	L-.00771	-.00067	208.76	.01971	1.6580	.00726
#2	.07051	-.00435	-.00030	208.54	.02854	1.6610	.00705
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	-.00104	25.095	.26030	.17336	.12347	252.78	46.588
SDev	.00024	.030	.00044	.00012	.00034	.61	.087
%RSD	22.833	.11769	.17088	.07070	.27867	.24026	.18634
#1	-.00087	25.075	.25998	.17345	.12322	252.35	46.526
#2	-.00121	25.116	.26061	.17327	.12371	253.21	46.649
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	7.3842	.00736	.16646	-.00360	6.5707	.00688	9.4419
SDev	.0259	.00672	.00062	.00033	.1771	.01109	.0268
%RSD	.35020	91.348	.37378	9.2232	2.6948	161.28	.28428
#1	7.3659	.01211	.16690	-.00336	6.6960	-.00097	9.4229
#2	7.4025	.00261	.16602	-.00383	6.4455	.01472	9.4609
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	.53691	.41879	.01696	-.00202	.00259	.08861	.06148
SDev	.00150	.00189	.00007	.00179	.00280	.00038	.00019
%RSD	.27982	.45172	.38882	88.622	107.82	.42980	.31562
#1	.53584	.41745	.01701	-.00329	.00457	.08888	.06134
#2	.53797	.42013	.01691	-.00075	.00062	.08834	.06161
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	-.00871	-.00470	.0329	.3477	1.634
SDev	.00717	.00714	.0013	.0006	.004
%RSD	82.393	151.99	3.792	.1631	.2647
#1	-.00363	-.00974	.0320	.3473	1.631
#2	-.01378	.00035	.0338	.3481	1.637
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	7029	--	--	--	--	--	--
SDev	26.41741	--	--	--	--	--	--
%RSD	.3758239	--	--	--	--	--	--
#1	7011	--	--	--	--	--	--
#2	7048	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLJNP Operator: KT
Run Time: 10/07/00 01:58:29
mment:
ode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04508	-.00338	.00250	131.03	.02295	.98788	.00491
SDev	.00034	.00627	.00125	.27	.00200	.00390	.00014
%RSD	.75402	185.15	49.987	.20408	8.7213	.39516	2.7636
#1	.04532	L-.00782	.00339	131.22	.02436	.98512	.00501
#2	.04484	.00105	.00162	130.84	.02153	.99064	.00481
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	-.00082	22.557	.17576	.10472	.14800	171.60	33.148
SDev	.00021	.049	.00008	.00029	.00003	.11	.132
%RSD	25.411	.21668	.04453	.27720	.01705	.06216	.39739
#1	-.00097	22.522	.17570	.10452	.14798	171.52	33.055
#2	-.00067	22.591	.17581	.10493	.14802	171.68	33.241
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	4.9815	.00528	.11297	-.00210	4.3869	.00924	9.3542
SDev	.0291	.00165	.00025	.00014	.1253	.00398	.0134
%RSD	.58321	31.309	.22400	6.5101	2.8565	43.084	.14319
#1	4.9610	.00645	.11279	-.00220	4.4755	.00642	9.3637
#2	5.0020	.00411	.11315	-.00201	4.2983	.01205	9.3447
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	.36596	.32532	.02017	.00231	.00288	.06054	.03737
SDev	.00101	.00177	.00817	.00126	.00123	.00125	.00011
%RSD	.27532	.54273	40.499	54.504	42.722	2.0582	.30068
#1	.36525	.32408	.01439	.00321	.00375	.06142	.03729
#2	.36667	.32657	.02594	.00142	.00201	.05965	.03745
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	-.01618	.00300	.0221	.2846	1.903
SDev	.00544	.00668	.0027	.0013	.008
%RSD	33.603	222.44	11.97	.4402	.4141
#1	-.02002	-.00172	.0202	.2837	1.898
#2	-.01234	.00773	.0240	.2855	1.909
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	7080	--	--	--	--	--	--
SDev	23.27790	--	--	--	--	--	--
%RSD	.3287737	--	--	--	--	--	--
#1	7064	--	--	--	--	--	--
#2	7097	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLJNV Operator: KT
Run Time: 10/07/00 02:06:35
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06313	-.00329	.00449	107.75	.01856	1.2073	.00378
SDev	.00083	.00422	.00133	.10	.00048	.0020	.00002
%RSD	1.3172	127.99	29.533	.09462	2.5937	.16326	.40720
#1	.06254	-.00031	.00543	107.82	.01890	1.2087	.00379
#2	.06372	L-.00627	.00355	107.68	.01822	1.2059	.00377
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	.00031	118.36	.14384	1.2408	.13270	147.75	37.221
SDev	.00013	.10	.00117	.0022	.00073	.03	.059
%RSD	42.623	.08504	.81645	.17427	.55241	.01980	.15916
#1	.00040	118.29	.14467	1.2423	.13321	147.73	37.263
#2	.00021	118.43	.14301	1.2393	.13218	147.77	37.179
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	4.6145	.00395	.09790	-.00231	5.0336	.00270	7.6689
SDev	.0019	.00004	.00093	.00034	.0919	.00309	.0104
%RSD	.04133	.90589	.95125	14.574	1.8256	114.50	.13551
#1	4.6131	.00392	.09724	-.00207	5.0986	.00488	7.6762
#2	4.6158	.00398	.09856	-.00254	4.9686	.00051	7.6615
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	.29807	.37451	.01597	.00560	.00227	.07386	.05777
SDev	.00033	.00014	.00832	.00138	.00122	.00281	.00265
%RSD	.11059	.03621	52.078	24.595	53.991	3.8049	4.5861
#1	.29784	.37442	.02185	.00657	.00313	.07584	.05590
#2	.29831	.37461	.01009	.00463	.00140	.07187	.05965
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	-.01081	.00046	.0360	.4210	4.816
SDev	.00014	.00639	.0001	.0006	.000
%RSD	1.3150	1392.2	.3280	.1531	.0016
#1	-.01091	.00498	.0361	.4215	4.816
#2	-.01071	-.00406	.0359	.4206	4.815
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	6993	--	--	--	--	--	--
SDev	23.58933	--	--	--	--	--	--
%RSD	.3373123	--	--	--	--	--	--
#1	6977	--	--	--	--	--	--
#2	7010	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLJP2 Operator: KT
Run Time: 10/07/00 02:14:41
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04252	.00039	.00441	114.02	.01895	1.1279	.00449
SDev	.00058	.00054	.00064	.82	.00227	.0045	.00006
%RSD	1.3627	140.89	14.608	.72252	11.998	.39790	1.2486
#1	.04293	.00000	.00486	114.60	.01734	1.1311	.00453
#2	.04211	.00077	.00395	113.44	.02056	1.1248	.00445
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00067	24.907	.16537	.09666	.13280	159.32	32.435
SDev	.00027	.119	.00016	.00018	.00102	.83	.135
%RSD	40.122	.47955	.09643	.18844	.76560	.51900	.41527
#1	-.00086	24.992	.16526	.09653	.13352	159.91	32.531
#2	-.00048	24.823	.16548	.09679	.13208	158.74	32.340
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	7.5148	.00888	.11507	-.00251	5.0097	.00219	9.1118
SDev	.0038	.00171	.00186	.00018	.1137	.00473	.0499
%RSD	.05015	19.253	1.6187	7.2605	2.2695	215.88	.54767
#1	7.5175	.01009	.11639	-.00238	5.0900	.00554	9.1471
#2	7.5122	.00767	.11376	-.00264	4.9293	-.00115	9.0765
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	.34259	.30323	.01219	.00375	.00573	.05362	.03698
SDev	.00157	.00126	.01222	.00086	.00367	.00096	.00039
%RSD	.45863	.41694	100.30	23.081	64.043	1.7922	1.0517
#1	.34370	.30413	.02083	.00314	.00832	.05430	.03725
#2	.34148	.30234	.00354	.00436	.00313	.05294	.03670
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	-.00889	.00501	.0182	.3416	2.116
SDev	.00240	.00038	.0002	.0011	.003
%RSD	27.032	7.6665	1.030	.3247	.1399
#1	-.01058	.00529	.0183	.3424	2.118
#2	-.00719	.00474	.0181	.3408	2.114
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	77.52694	--	--	--	--	--	--
%RSD	1.089801	--	--	--	--	--	--
#1	7059	--	--	--	--	--	--
#2	7169	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLJP4 Operator: KT
Run Time: 10/07/00 02:22:47
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06144	L-.01588	.00232	254.96	.03100	1.4489	.00753
SDev	.00099	.00290	.00107	.36	.00293	.0044	.00017
%RSD	1.6055	18.274	46.137	.13997	9.4386	.30671	2.2101
#1	.06213	L-.01382	.00157	255.21	.02893	1.4457	.00765
#2	.06074	L-.01793	.00308	254.71	.03307	1.4520	.00742
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	-.00011	70.203	.28195	.10962	.22142	318.51	85.732
SDev	.00056	.145	.00138	.00106	.00101	.41	.320
%RSD	496.87	.20589	.48800	.96961	.45763	.12807	.37360
#1	-.00051	70.101	.28098	.10887	.22214	318.22	85.506
#2	.00028	70.305	.28293	.11037	.22071	318.80	85.959
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	4.3707	.00575	.20577	-.00317	13.532	.00103	16.577
SDev	.0239	.00490	.00057	.00019	.172	.00543	.040
%RSD	.54573	85.176	.27935	5.9338	1.2707	528.15	.24130
#1	4.3538	.00922	.20618	-.00304	13.654	.00486	16.549
#2	4.3875	.00229	.20537	-.00330	13.411	-.00281	16.605
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	.59123	.63275	.01510	.00232	.00233	.08329	.05053
SDev	.00130	.00408	.00419	.00551	.00783	.00299	.00001
%RSD	.22045	.64475	27.788	237.59	336.21	3.5861	.02433
#1	.59031	.62986	.01806	-.00158	.00786	.08540	.05052
#2	.59215	.63563	.01213	.00622	-.00321	.08117	.05054
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	-.02322	-.01221	.0403	.7665	4.037
SDev	.00033	.00451	.0011	.0023	.027
%RSD	1.4051	36.952	2.795	.3001	.6639
#1	-.02345	-.00902	.0395	.7649	4.018
#2	-.02299	-.01540	.0411	.7681	4.056
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	7093	--	--	--	--	--	--
SDev	41.37990	--	--	--	--	--	--
%RSD	.5834187	--	--	--	--	--	--
#1	7063	--	--	--	--	--	--
#2	7122	--	--	--	--	--	--

Method: QTESTNAK Sample Name: CCVT Operator: KT
Run Time: 10/07/00 02:28:45
C[illegible]ment:
M[illegible]e: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49572	.48828	.49573	24.423	.48514	2.0011	2.0475
SDev	.00146	.00247	.00400	.038	.00272	.0056	.0032
%RSD	.29407	.50531	.80750	.15478	.56117	.28227	.15689
#1	.49469	.49003	.49290	24.450	.48706	2.0051	2.0498
#2	.49675	.48654	.49856	24.397	.48321	1.9971	2.0452
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	.50640	102.20	2.0292	2.0078	1.9579	25.304	99.304
SDev	.00073	.28	.0102	.0114	.0015	.038	.399
%RSD	.14520	.27368	.50062	.56804	.07672	.14859	.40164
#1	.50692	102.40	2.0364	2.0159	1.9590	25.331	99.586
#2	.50588	102.00	2.0220	1.9998	1.9569	25.278	99.022
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
[illegible]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	2.0205	1.9970	2.0220	.99364	49.696	.97961	2.0027
SDev	.0087	.0211	.0059	.00213	.020	.00264	.0068
%RSD	.43051	1.0545	.29416	.21471	.04006	.26920	.33936
#1	2.0267	1.9822	2.0262	.99515	49.710	.98147	2.0075
#2	2.0143	2.0119	2.0178	.99213	49.682	.97774	1.9979
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	2.0139	2.0333	1.9477	.49537	.49644	.49453	.49632
SDev	.0062	.0078	.0041	.00546	.00108	.00259	.00089
%RSD	.30731	.38379	.21238	1.1027	.21745	.52340	.17999
#1	2.0183	2.0389	1.9447	.49151	.49568	.49270	.49569
#2	2.0096	2.0278	1.9506	.49924	.49720	.49636	.49695
[illegible]rrors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
[illegible]igh	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	.49281	.48602	1.944	2.033	1.963
Dev	.00003	.00368	.006	.006	.010
%RSD	.00564	.75825	.2969	.3199	.5258
#1	.49283	.48863	1.948	2.038	1.971
#2	.49279	.48341	1.940	2.028	1.956
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	6812	--	--	--	--	--	--
SDev	.4526450	--	--	--	--	--	--
%RSD	.0066446	--	--	--	--	--	--
#1	6812	--	--	--	--	--	--
#2	6813	--	--	--	--	--	--

Method: QTESTNAK Sample Name: CCBT' Operator: KT
Run Time: 10/07/00 02:36:50
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00324	-.00004	.00291	.00365	-.00178	-.00001	.00032
SDev	.00014	.00034	.00023	.00471	.00216	.00000	.00000
%RSD	4.2287	853.22	7.8739	129.01	121.41	1.4407	.07925
#1	.00315	.00020	.00275	.00698	-.00331	-.00001	.00032
#2	.00334	-.00028	.00307	.00032	-.00025	-.00001	.00032
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	-.00330	.00009	.00098	.00014	.01709	.00911
SDev	.00003	.00005	.00010	.00069	.00000	.00294	.00373
%RSD	87.926	1.4283	104.85	70.248	2.7104	17.215	40.970
#1	.00006	-.00327	.00002	.00147	.00014	.01917	.01175
#2	.00001	-.00333	.00016	.00049	.00013	.01501	.00647
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	.00031	.00119	.00180	-.00010	.19859	.00313	.00140
SDev	.00000	.00000	.00126	.00014	.02974	.00713	.00038
%RSD	.06278	.08749	69.972	141.24	14.974	227.70	27.369
#1	.00031	.00119	.00269	-.00000	.17756	-.00191	.00113
#2	.00031	.00119	.00091	-.00019	.21962	.00817	.00167
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	-.00008	.00037	.00279	.00314	.00253	.00360
SDev	.00000	.00000	.00830	.00019	.00030	.00101	.00071
%RSD	2.8661	2.7942	2225.3	7.0003	9.4272	39.887	19.678
#1	-.00001	-.00008	-.00550	.00265	.00293	.00324	.00310
#2	-.00002	-.00008	.00624	.00293	.00335	.00181	.00410
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	-.00076	.00032	.0010	.0002	<.0000
Dev	.00001	.00051	.0000	.0001	.0032
%RSD	1.3175	160.38	.0000	47.17	177.9
#1	-.00077	.00068	.0010	.0003	.0005
#2	-.00075	-.00004	.0010	.0002	<.0000
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value			.0000	.0000	.0000
Range			.2000	.0500	.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6997	--	--	--	--	--	--
SDev	2.149632	--	--	--	--	--	--
%RSD	.0307213	--	--	--	--	--	--
#1	6996	--	--	--	--	--	--
#2	6999	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLJP5 Operator: KT
Run Time: 10/07/00 02:42:48
Comment:
de: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.07001	L-.00655	.00204	225.82	.04837	1.7523	.00769
SDev	.00105	.00083	.00093	.19	.00121	.0006	.00015
%RSD	1.5028	12.716	45.900	.08324	2.5104	.03449	1.9857
#1	.06926	L-.00596	.00138	225.96	.04923	1.7519	.00780
#2	.07075	L-.00714	.00270	225.69	.04751	1.7527	.00758
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	61.756	.29109	.14939	.31162	303.28	77.511
SDev	.00033	.138	.00103	.00015	.00079	.30	.148
%RSD	117.06	.22266	.35338	.09850	.25441	.09855	.19070
#1	.00051	61.659	.29036	.14950	.31218	303.07	77.407
#2	.00005	61.853	.29182	.14929	.31106	303.49	77.616
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	6.4000	.01260	.25987	-.00318	9.9446	.00234	14.795
SDev	.0256	.00329	.00138	.00028	.1648	.00753	.014
%RSD	.39969	26.143	.53119	8.7559	1.6569	321.33	.09516
#1	6.3819	.01492	.25890	-.00337	10.061	-.00298	14.785
#2	6.4181	.01027	.26085	-.00298	9.8281	.00767	14.804
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	.61378	.64712	.02227	-.00089	.00789	.09292	.05856
SDev	.00048	.00215	.00400	.00279	.00278	.00181	.00248
%RSD	.07843	.33209	17.955	315.18	35.271	1.9446	4.2337
#1	.61412	.64560	.01945	-.00286	.00985	.09420	.05681
#2	.61344	.64864	.02510	.00109	.00592	.09164	.06032
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	-.00365	-.00800	.0403	.7065	2.903
Dev	.00777	.00263	.0015	.0007	.006
%RSD	213.07	32.902	3.779	.1002	.2026
#1	.00185	-.00986	.0414	.7060	2.899
#2	-.00914	-.00614	.0392	.7070	2.907
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	7089	--	--	--	--	--	--
SDev	30.17944	--	--	--	--	--	--
%RSD	.4257426	--	--	--	--	--	--
#1	7067	--	--	--	--	--	--
#2	7110	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLJP8 Operator: KT
Run Time: 10/07/00 02:48:46
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03917	-.00256	.00240	83.198	.01902	.89837	.00377
SDev	.00084	.00082	.00235	.089	.00556	.00009	.00012
%RSD	2.1321	32.086	97.817	.10639	29.222	.00965	3.1794
#1	.03858	-.00314	.00074	83.136	.01509	.89831	.00386
#2	.03976	-.00198	.00406	83.261	.02294	.89843	.00369
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00071	18.260	.13481	.08706	.11457	134.25	26.235
SDev	.00021	.024	.00026	.00055	.00066	.04	.024
%RSD	29.223	.13308	.19241	.63233	.57761	.03114	.09165
#1	-.00086	18.243	.13499	.08668	.11504	134.22	26.218
#2	-.00056	18.277	.13463	.08745	.11411	134.28	26.252
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	4.8059	.00636	.09470	-.00190	4.9343	.00904	7.2331
SDev	.0082	.00168	.00073	.00013	.0885	.00434	.0001
%RSD	.16970	26.364	.76811	7.0137	1.7936	47.950	.00134
#1	4.8002	.00754	.09521	-.00180	4.9969	.00598	7.2330
#2	4.8117	.00517	.09418	-.00199	4.8718	.01211	7.2332
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	.30004	.25032	.00807	.00161	.00399	.04615	.03569
SDev	.00126	.00033	.00407	.00309	.00086	.00135	.00058
%RSD	.41998	.13086	50.425	192.34	21.508	2.9246	1.6205
#1	.30093	.25055	.01095	-.00058	.00338	.04519	.03528
#2	.29915	.25009	.00519	.00379	.00460	.04710	.03610
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	-.01240	.00236	.0191	.2671	1.822
SDev	.00333	.00043	.0013	.0001	.003
%RSD	26.880	18.415	6.945	.0449	.1382
#1	-.01476	.00266	.0182	.2670	1.820
#2	-.01004	.00205	.0200	.2672	1.824
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	7133	--	--	--	--	--	--
SDev	8.400691	--	--	--	--	--	--
%RSD	.1177798	--	--	--	--	--	--
#1	7127	--	--	--	--	--	--
#2	7138	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLJP9 Operator: KT
Run Time: 10/07/00 02:56:53
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04522	L-.00658	.00191	165.77	.02484	1.3880	.00452
SDev	.00041	.00126	.00292	.22	.00296	.0025	.00013
%RSD	.89921	19.087	153.26	.13289	11.903	.18008	2.8852
#1	.04493	L-.00747	-.00016	165.92	.02693	1.3863	.00461
#2	.04551	L-.00569	.00397	165.61	.02275	1.3898	.00443
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	-.00046	58.483	.18649	.09276	.15148	236.17	66.746
SDev	.00010	.059	.00089	.00040	.00014	.27	.170
%RSD	21.688	.10060	.47687	.43096	.09255	.11596	.25421
#1	-.00039	58.442	.18712	.09304	.15158	235.98	66.626
#2	-.00053	58.525	.18586	.09248	.15138	236.36	66.866
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	3.6534	.00346	.15813	-.00258	10.816	-.00042	13.504
SDev	.0064	.00331	.00020	.00013	.113	.00362	.027
%RSD	.17631	95.672	.12607	4.9852	1.0489	862.49	.20202
#1	3.6488	.00580	.15799	-.00249	10.896	.00214	13.485
#2	3.6579	.00112	.15827	-.00267	10.736	-.00298	13.524
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	.43164	.48395	.01083	.00343	-.00114	.06507	.03531
SDev	.00011	.00070	.00814	.00426	.00024	.00335	.00106
%RSD	.02542	.14415	75.160	124.31	21.095	5.1463	3.0079
#1	.43156	.48444	.00508	.00041	-.00131	.06270	.03606
#2	.43171	.48345	.01659	.00644	-.00097	.06743	.03456
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	-.01933	-.00022	.0259	.5952	4.098
ev	.00606	.00114	.0001	.0011	.017
%RSD	31.378	526.54	.2569	.1909	.4067
#1	-.02362	.00059	.0259	.5944	4.087
#2	-.01504	-.00103	.0258	.5960	4.110
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	7105	--	--	--	--	--	--
SDev	18.97864	--	--	--	--	--	--
%RSD	.2671279	--	--	--	--	--	--
#1	7091	--	--	--	--	--	--
#2	7118	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLJLH Operator: KT
Run Time: 10/07/00 03:02:51
Comment:
M e: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02673	.00048	.00045	93.590	.02030	.30763	.00276
SDev	.00003	.00112	.00195	.112	.00369	.00008	.00010
%RSD	.12208	233.27	437.03	.11956	18.192	.02496	3.6803
#1	.02676	-.00031	-.00093	93.669	.01769	.30758	.00269
#2	.02671	.00127	.00183	93.511	.02292	.30769	.00283
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00030	12.195	.16781	.02044	.21473	76.037	13.665
SDev	.00034	.025	.00033	.00011	.00042	.138	.001
%RSD	115.81	.20352	.19444	.53429	.19555	.18146	.00648
#1	-.00005	12.177	.16758	.02051	.21503	75.939	13.664
#2	-.00054	12.212	.16804	.02036	.21443	76.134	13.666
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	.64828	.00403	.07311	-.00058	2.9518	-.00373	3.1690
SDev	.00148	.00002	.00094	.00020	.0764	.00436	.0048
%RSD	.22827	.59974	1.2831	34.871	2.5884	116.91	.15084
#1	.64724	.00401	.07245	-.00043	3.0058	-.00681	3.1724
#2	.64933	.00405	.07378	-.00072	2.8978	-.00065	3.1656
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	.15219	.20962	.01068	.00002	.00129	.03508	.02257
SDev	.00068	.00025	.00412	.00176	.00234	.00168	.00079
%RSD	.44693	.11797	38.584	7373.0	181.22	4.7910	3.5011
#1	.15171	.20980	.00776	-.00122	-.00036	.03626	.02201
#2	.15268	.20945	.01359	.00127	.00295	.03389	.02312
rors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
igh	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.00886	.00515	.0164	.1031	1.602
SDev	.00216	.00060	.0001	.0000	.006
%RSD	24.389	11.654	.3997	.0001	.3554
#1	-.01039	.00472	.0164	.1031	1.606
#2	-.00734	.00557	.0163	.1031	1.598
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	7067	--	--	--	--	--	--
SDev	30.06620	--	--	--	--	--	--
%RSD	.4254606	--	--	--	--	--	--
#1	7045	--	--	--	--	--	--
#2	7088	--	--	--	--	--	--

Analysis Report 10/07/00 03:16:51 AM page 1

Method: QTESTNAK Sample Name: DLJLM Operator: KT
Run Time: 10/07/00 03:10:57
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03853	-.00378	.00214	142.24	.03397	1.2211	.00445
SDev	.00086	.00293	.00017	.03	.00101	.0001	.00010
%RSD	2.2231	77.619	7.7800	.01843	2.9689	.01011	2.3296
#1	.03792	-.00170	.00202	142.26	.03326	1.2212	.00438
#2	.03913	L-.00585	.00225	142.22	.03468	1.2210	.00452
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	84.861	.19605	.07175	.33969	205.73	58.739
SDev	.00069	.045	.00065	.00047	.00123	.37	.020
%RSD	36.242	.05336	.33332	.65969	.36344	.17882	.03323
#1	.00240	84.829	.19651	.07142	.34057	205.99	58.753
#2	.00142	84.893	.19559	.07209	.33882	205.47	58.725
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	2.6267	.00737	.14734	-.00210	8.5419	.00644	10.737
SDev	.0058	.00000	.00104	.00006	.0810	.00056	.024
%RSD	.22003	.04519	.70344	3.0524	.94841	8.7664	.21918
#1	2.6227	.00737	.14807	-.00205	8.5992	.00684	10.754
#2	2.6308	.00737	.14660	-.00214	8.4846	.00604	10.720
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	.41376	.57374	.01295	.00132	.00378	.05127	.03216
SDev	.00071	.00062	.00830	.00326	.00602	.00195	.00226
%RSD	.17104	.10757	64.136	247.39	159.47	3.7962	7.0142
#1	.41426	.57330	.00708	-.00099	.00803	.05265	.03057
#2	.41326	.57417	.01882	.00362	-.00048	.04990	.03376
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	-.00991	-.00072	.0467	.6317	4.275
Dev	.01394	.00256	.0013	.0001	.017
%RSD	140.70	356.47	2.673	.0203	.3928
#1	-.00005	-.00253	.0458	.6316	4.263
#2	-.01977	.00109	.0476	.6318	4.287
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	6991	--	--	--	--	--	--
SDev	19.43128	--	--	--	--	--	--
%RSD	.2779527	--	--	--	--	--	--
#1	6977	--	--	--	--	--	--
#2	7005	--	--	--	--	--	--

Method: QTESTNAK Sample Name: CCVT Operator: KT
Run Time: 10/07/00 03:19:03
mment:
de: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.47657	.47088	.47894	23.440	.46601	1.9227	1.9633
SDev	.00191	.00161	.00149	.019	.00085	.0200	.0045
%RSD	.40142	.34273	.31078	.08298	.18133	1.0383	.23156
#1	.47522	.46974	.47789	23.426	.46541	1.9086	1.9601
#2	.47792	.47203	.47999	23.453	.46661	1.9368	1.9665
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	.48174	97.848	1.9349	1.9180	1.8839	24.310	95.254
SDev	.00376	.158	.0229	.0175	.0043	.051	1.045
%RSD	.77990	.16184	1.1847	.91482	.22860	.21017	1.0971
#1	.47909	97.736	1.9187	1.9056	1.8809	24.274	94.515
#2	.48440	97.960	1.9511	1.9304	1.8869	24.346	95.993
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	1.9319	1.9103	1.9304	.95650	48.062	.93504	1.9343
SDev	.0218	.0437	.0238	.00137	.016	.02216	.0082
%RSD	1.1305	2.2850	1.2346	.14352	.03245	2.3696	.42476
#1	1.9164	1.8795	1.9136	.95553	48.073	.91938	1.9284
#2	1.9473	1.9412	1.9473	.95747	48.051	.95071	1.9401
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	1.9382	1.9394	1.8599	.47973	.47735	.47610	.47681
SDev	.0034	.0181	.0355	.00162	.00771	.00391	.00092
%RSD	.17755	.93396	1.9085	.33764	1.6161	.82184	.19184
#1	1.9358	1.9266	1.8348	.48088	.47190	.47334	.47616
#2	1.9407	1.9522	1.8850	.47859	.48280	.47887	.47745
rrors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	2.2000	2.2000	2.2000				
Low	1.8000	1.8000	1.8000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
vge	.48000	.46633	1.865	1.951	1.873
SDev	.00657	.00086	.033	.020	.016
%RSD	1.3694	.18485	1.746	1.010	.8346
#1	.47536	.46694	1.842	1.937	1.862
#2	.48465	.46572	1.888	1.965	1.884
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	7014	--	--	--	--	--	--
SDev	9.107452	--	--	--	--	--	--
%RSD	.1298379	--	--	--	--	--	--
#1	7021	--	--	--	--	--	--
#2	7008	--	--	--	--	--	--

Method: QTESTNAK Sample Name: CCBT' Operator: KT
Run Time: 10/07/00 03:27:08
mment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00276	-.00106	.00387	-.00044	-.00156	.00016	.00041
SDev	.00105	.00269	.00139	.00934	.00090	.00023	.00012
%RSD	38.007	252.81	36.011	2110.0	57.944	146.68	28.802
#1	.00351	-.00297	.00486	.00616	-.00092	.00033	.00049
#2	.00202	.00084	.00289	-.00705	-.00219	-.00001	.00033
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	.00018	-.00275	.00058	.00098	-.00039	.01710	.00921
SDev	.00028	.00005	.00019	.00069	.00026	.00305	.00375
%RSD	151.80	1.8215	33.518	70.378	67.574	17.842	40.672
#1	.00038	-.00271	.00072	.00049	-.00057	.01926	.01186
#2	-.00001	-.00278	.00044	.00147	-.00020	.01495	.00656
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	.00031	.00364	.00091	-.00005	.15286	.00203	.00139
SDev	.00000	.00000	.00000	.00021	.11247	.00113	.00038
%RSD	.06690	.05249	.00000	422.79	73.577	55.767	27.485
#1	.00031	.00364	.00091	-.00019	.07333	.00283	.00166
#2	.00031	.00364	.00091	.00010	.23239	.00123	.00112
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	-.00059	.00031	.00443	.00275	.00144	.00342
SDev	.00091	.00075	.00001	.00044	.00331	.00297	.00009
%RSD	8326.8	126.56	1.9721	9.9200	120.15	206.35	2.6648
#1	.00063	-.00006	.00031	.00474	.00509	.00354	.00349
#2	-.00066	-.00113	.00032	.00412	.00041	-.00066	.00336
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	-.00182	-.00068	.0010	.0002	.0006
SDev	.00404	.00202	.0000	.0001	.0019
%RSD	221.37	294.68	.0000	47.17	328.4
#1	-.00468	-.00211	.0010	.0003	.0019
#2	.00103	.00074	.0010	.0002	<.0000
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value			.0000	.0000	.0000
Range			.2000	.0500	.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6972	--	--	--	--	--	--
SDev	2.291192	--	--	--	--	--	--
%RSD	.0328613	--	--	--	--	--	--
#1	6971	--	--	--	--	--	--
#2	6974	--	--	--	--	--	--

STL Los Angeles
Précis
CVAA Data Summary Cover Sheet

EOJ040325

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

Analyst: JGA
Analytical Date: 10/07/00
Data File: HG01007A
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.
0280466	EOJ040124 *	10/10/00		
0279510	EOJ040325	10/10/00		L3
	EOJ040324			~~L3~~
0279509	EOI200185 N/A			L3
	EOJ040322			L3
	EOJ040326			L3

Calibration Stds:
Preparation: Date 10/6/00 Time 1400
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:
* wipe samples, results were expressed in total ug/wipe.

N:\metals\forms\dscs.doc
06/22/00

BOE-C6-0169656

FURNACE DATA SHEET

File: HG01007A Element: HG__ Instrument: LEEMAN_____

1 of 3

Start Run Date: 10/07/00 End Run Date: 10/07/00

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

0.9999 10/10/00 JG

Concentration Units: Ug/L

#	SAMPLE ID	Time	Dil Factor	Sample (Absorb)	Sample (Conc)	%R/R	Flag		
1		13:57	1.00		0.0000				
2		13:59	1.00		0.0000				
3		14:01	1.00		0.0000				
4		14:03	1.00		0.0000				
5		14:07	1.00		0.0000				
6	S0	14:11	1.00		0.0000				
7	S0.2	14:13	1.00		0.2000				
8	S0.5	14:15	1.00		0.5000				
9	S1	14:16	1.00		1.0000				
10	S5	14:18	1.00		5.0000				
11	S10	14:20	1.00		10.0000				
12	ICV	14:22	1.00		2.4200	97			
13	ICB	14:24	1.00		-0.1050			ND	
14	DLPMKB	14:26	1.00		-0.0340			ND	
15	DLPMKC	14:28	1.00		4.5900	92		0.761	
16	DLPMKD	14:29	1.00		4.5500	91		0.758	
7	DLH2K	14:31	1.00		76.5000				
18	DLH2M	14:33	1.00		93.0000				
19	DLH2N	14:47	1.00		0.0000				
20	DLLVMB	14:49	1.00		0.0070			ND	
21	DLLVMC	14:50	1.00		4.6800	94		0.780	
22	DLJK1	14:52	1.00		0.1680			ND	
23	CCV1	14:54	1.00		4.8500	97			
24	CCB1	14:56	1.00		-0.0320			ND	
25	DLJK1S	14:58	1.00		1.1300	113		0.188	
26	DLJK1D	15:00	1.00		1.1000	110		0.183	
27	DLJK8	15:01	1.00		0.0240			ND	
28	DLJKC	15:03	1.00		0.0090				
29	DLJKE	15:05	1.00		0.1250				
30	DLJKG	15:07	1.00		0.3370			0.056	
31	DLJKJ	15:09	1.00		0.3590			0.060	
32	DLJKL	15:11	1.00		0.0520			ND	
33	DLJKN	15:12	1.00		0.0920				
34	CCV2	15:15	1.00		4.8600	97			
35	CCB2	15:16	1.00		-0.0630			ND	
36	DLJKW	15:18	1.00		0.0520				
37	DLJL1	15:20	1.00		0.3320			0.055	
38	DLJL4	15:22	1.00		0.0880			ND	
39	DLJL9	15:23	1.00		0.0830				
40	DLJME	15:25	1.00		-0.0870				

Re dilution

Analyst: jga_____ QC Reviewer: _____

FURNACE DATA SHEET

File: HG01007A Element: HG__ Instrument: LEEMAN_____

Start Run Date: 10/07/00 End Run Date: 10/07/00 2 of 3

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

0.9999 10/10/00 JGA

Concentration Units: Ug/L

#	SAMPLE ID	Time	Dil Factor	Sample (Absorb)	Sample (Conc)	%R/R	Flag		
41	DLJMG	15:27	1.00		0.0680			ND	
42	DLJMK	15:29	1.00		-0.0020				
43	DLJML	15:30	1.00		0.1140				
44	DLJMP	15:32	1.00		0.0970				
45	DLJMQ	15:34	1.00		0.0230				
46	CCV3	15:36	1.00		4.8500	97			
47	CCB3	15:38	1.00		-0.1310			ND	
48	DLJMV	15:40	1.00		0.1490			ND	
49	DLJN0	15:41	1.00		-0.0700				
50	DLLVPB	15:43	1.00		-0.0480				
51	DLLVPC	15:45	1.00		4.5500	91		0.758	
52	DLJN1	15:47	1.00		0.0680			ND	
53	DLJN1S	15:49	1.00		1.0300	103		0.172	
54	DLJN1D	15:51	1.00		1.0700	107		0.178	
55	DLJN5	15:53	1.00		0.0360			ND	
56	DLJN8	15:54	1.00		0.0910				
57	CCV4	15:56	1.00		4.7500	95			
58	CCB4	15:58	1.00		-0.0580			ND	
59	DLJNC	16:00	1.00		0.1270				
60	DLJNE	16:02	1.00		0.1400				
61	DLJNP	16:04	1.00		-0.0040				
62	DLJNV	16:06	1.00		0.2310			0.038	
63	DLJP2	16:08	1.00		0.2470			0.041	
64	DLJP4	16:10	1.00		0.3300			0.055	
65	DLJP5	16:12	1.00		0.1650			ND	
66	DLJP8	16:13	1.00		0.4100			0.068	
67	DLJP9	16:15	1.00		0.1080			ND	
68	CCV5	16:17	1.00		4.7800	96			
69	CCB5	16:19	1.00		-0.0440			ND	
70	DLJLH	16:21	1.00		0.1120			ND	
71	DLJLM	16:23	1.00		0.1500				
72	DLJLT	16:25	1.00		0.0110				
73	DLJLW	16:27	1.00		0.0440				
74	DLJLX	16:29	1.00		0.3820			0.064	
75	DLJM1	16:31	1.00		0.2110			0.035	
76	DLJM3	16:33	1.00		0.1320			ND	
77	DLJM5	16:35	1.00		0.2860			0.048	
78	CCV6	16:37	1.00		4.7700	95			
79	CCB6	16:39	1.00		-0.1280			ND	
80	DLH2X 10X	16:50	1.00		22.9000				

Analyst: jga_____ QC Reviewer: _____

FURNACE DATA SHEET

3 of 3

File: HG01007A Element: HG__ Instrument: LEEMAN_____

Start Run Date: 10/07/00 End Run Date: 10/07/00

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

0.9999 10/10/00 JG

Concentration Units: Ug/L

#	SAMPLE ID	Time	Dil Factor	Sample (Absorb)	Sample (Conc)	%R/R	Flag		
81	DLH2M 10X	16:52	1.00		91.5000				
82	DLH2N 10X	16:53	1.00		-0.8300				
83	DLH2K 20X	17:06	1.00		-0.0600	unbounded		range	
84	CCV6	17:09	1.00		4.6700	94			
85	CCB6	17:11	1.00		-0.1020			ND	
86	DLH2K 20X	17:16	1.00		7.3500			4.7	total ug / wipe
87	DLH2M 100X	17:18	1.00		2.6700			26.7	
88	DLH2N 20X	17:21	1.00		68.6000				
89	DLH2N 200X	17:25	1.00		11.2000				
90	DLH2N 250X	17:28	1.00		9.1800			~~382~~	230
91	DKP09	17:30	1.00		0.0570			ND	
92	DKP0L	17:32	1.00		0.4200			ND	
93	CCV7	17:34	1.00		4.6700	93			
94	CCB7	17:36	1.00		-0.0700			ND	
95									
96									
7									
98									
99							10/10/00		JG
100									

Analyst: jga_____ QC Reviewer: _____

RunProt: HG-A | Err: Out of range | Mode: Analyze

RunFold: HG01007A Seq: 11 Batch: RunPrep: prp7470

Prnt: R/T On Pump: On

Rev: 4.2 14:21:01 07 Oct 2000 Xmit: Off Gas: 0.70 LPM

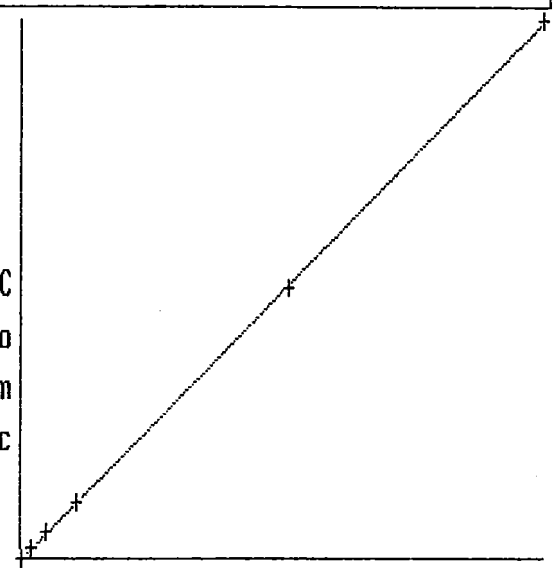
Idle None User: JGA A/S: On

CALIBRATION: Line proto: HG-A

	Hg Conc.	Calc.	Dev.	Accepted ->linear
S1	.000	-.015	-.015	Quadratic
S2	.200	.172	-.028	Wtdlinear
S3	.500	.472	-.028	C
S4	1.00	1.04	.039	Accept o
S5	5.00	5.07	.067	n
S6	10.0	9.96	-.037	c

A .0000000 r .999943

B 1.67683e-5 C -4.54409e-2



	Mean			
S1	1827	0	SD	1827
S2	12996	0	%RSD	12996
S3	30884	0	%RSD	30884
S4	64683	0	%RSD	64683
S5	304902	0	%RSD	304902
S6	596897	0	%RSD	596897

New cal coefficients stored

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Standard: 1 Rep: 1				Seq: 5	14:11:23 07 Oct 2000 HG			
Hg	.000	ppb	1827					
*** Standard: 2 Rep: 1				Seq: 6	14:13:11 07 Oct 2000 HG			
Hg	.200	ppb	12996					
*** Standard: 3 Rep: 1				Seq: 7	14:15:00 07 Oct 2000 HG			
Hg	.500	ppb	30884					
*** Standard: 4 Rep: 1				Seq: 8	14:16:48 07 Oct 2000 HG			
Hg	1.00	ppb	64683					
*** Standard: 5 Rep: 1				Seq: 9	14:18:48 07 Oct 2000 HG			
Hg	5.00	ppb	304902					
*** Standard: 6 Rep: 1				Seq: 10	14:20:50 07 Oct 2000 HG			
Hg	10.0	ppb	596897					

BOE-C6-0169661

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: ICV				Seq:	11	14:22:45 07 Oct 2000 HG		
Hg	2.42	ppb	.000	2.42				
*** Sample ID: ICB				Seq:	12	14:24:28 07 Oct 2000 HG		
Hg	-.105	ppb	.000	-.105				
*** Sample ID: DLPMKB				Seq:	13	14:26:13 07 Oct 2000 HG		
Hg	-.034	ppb	.000	-.034				
*** Sample ID: DLPMKC				Seq:	14	14:28:06 07 Oct 2000 HG		
Hg	4.59	ppb	.000	4.59				
*** Sample ID: DLPMKD				Seq:	15	14:29:49 07 Oct 2000 HG		
Hg	4.55	ppb	.000	4.55				
*** Sample ID: DLH2K				Seq:	16	14:31:39 07 Oct 2000 HG		
Hg	76.5 H	ppb	.000	76.5				
*** Sample ID: DLH2M				Seq:	17	14:33:27 07 Oct 2000 HG		
Hg	93.0 H	ppb	.000	93.0				
*** Sample ID: DLH2N				Seq:	18	14:47:23 07 Oct 2000 HG		
Hg	^^^^^^0	ppb	^^^^^^	^^^^^^				
*** Sample ID: DLLVMB				Seq:	19	14:49:07 07 Oct 2000 HG		
Hg	.007	ppb	.000	.007				
*** Sample ID: DLLVMC				Seq:	20	14:50:53 07 Oct 2000 HG		
Hg	4.68	ppb	.000	4.68				
*** Sample ID: DLJK1				Seq:	21	14:52:57 07 Oct 2000 HG		
Hg	.168	ppb	.000	.168				
*** Sample ID: CCV1				Seq:	22	14:54:54 07 Oct 2000 HG		
Hg	4.85	ppb	.000	4.85				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: CCB1					Seq: 23	14:56:37 07 Oct 2000 HG		
Hg	-.032	ppb	.000	-.032				
*** Sample ID: DLJK1S					Seq: 24	14:58:20 07 Oct 2000 HG		
Hg	1.13	ppb	.000	1.13				
*** Sample ID: DLJK1D					Seq: 25	15:00:12 07 Oct 2000 HG		
Hg	1.10	ppb	.000	1.10				
*** Sample ID: DLJK8					Seq: 26	15:01:57 07 Oct 2000 HG		
Hg	.024	ppb	.000	.024				
*** Sample ID: DLJKC					Seq: 27	15:03:40 07 Oct 2000 HG		
Hg	.009	ppb	.000	.009				
*** Sample ID: DLJKE					Seq: 28	15:05:25 07 Oct 2000 HG		
Hg	.125	ppb	.000	.125				
*** Sample ID: DLJKG					Seq: 29	15:07:11 07 Oct 2000 HG		
Hg	.337	ppb	.000	.337				
*** Sample ID: DLJKJ					Seq: 30	15:09:14 07 Oct 2000 HG		
Hg	.359	ppb	.000	.359				
*** Sample ID: DLJKL					Seq: 31	15:11:10 07 Oct 2000 HG		
Hg	.052	ppb	.000	.052				
*** Sample ID: DLJKN					Seq: 32	15:12:57 07 Oct 2000 HG		
Hg	.092	ppb	.000	.092				
*** Sample ID: CCV2					Seq: 33	15:15:01 07 Oct 2000 HG		
Hg	4.86	ppb	.000	4.86				
*** Sample ID: CCB2					Seq: 34	15:16:55 07 Oct 2000 HG		
Hg	-.063	ppb	.000	-.063				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: DLJKW					Seq: 35	15:18:40 07 Oct 2000 HG		
Hg	.052	ppb	.000	.052				
*** Sample ID: DLJL1					Seq: 36	15:20:26 07 Oct 2000 HG		
Hg	.332	ppb	.000	.332				
*** Sample ID: DLJL4					Seq: 37	15:22:11 07 Oct 2000 HG		
Hg	.088	ppb	.000	.088				
*** Sample ID: DLJL9					Seq: 38	15:23:58 07 Oct 2000 HG		
Hg	.083	ppb	.000	.083				
*** Sample ID: DLJME					Seq: 39	15:25:42 07 Oct 2000 HG		
Hg	-.087	ppb	.000	-.087				
*** Sample ID: DLJMG					Seq: 40	15:27:27 07 Oct 2000 HG		
Hg	.068	ppb	.000	.068				
*** Sample ID: DLJMK					Seq: 41	15:29:11 07 Oct 2000 HG		
Hg	-.002	ppb	.000	-.002				
*** Sample ID: DLJML					Seq: 42	15:30:58 07 Oct 2000 HG		
Hg	.114	ppb	.000	.114				
*** Sample ID: DLJMP					Seq: 43	15:32:43 07 Oct 2000 HG		
Hg	.097	ppb	.000	.097				
*** Sample ID: DLJMQ					Seq: 44	15:34:28 07 Oct 2000 HG		
Hg	.023	ppb	.000	.023				
*** Sample ID: CCV3					Seq: 45	15:36:24 07 Oct 2000 HG		
Hg	4.85	ppb	.000	4.85				
*** Sample ID: CCB3					Seq: 46	15:38:10 07 Oct 2000 HG		
Hg	-.131	ppb	.000	-.131				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: DLJMV					Seq: 47	15:40:08 07 Oct 2000 HG		
Hg	.149	ppb	.000	.149				
*** Sample ID: DLJNO					Seq: 48	15:41:59 07 Oct 2000 HG		
Hg	-.070	ppb	.000	-.070				
*** Sample ID: DLLVPB					Seq: 49	15:43:48 07 Oct 2000 HG		
Hg	-.048	ppb	.000	-.048				
*** Sample ID: DLLVPC					Seq: 50	15:45:34 07 Oct 2000 HG		
Hg	4.55	ppb	.000	4.55				
*** Sample ID: DLJN1					Seq: 51	15:47:29 07 Oct 2000 HG		
Hg	.068	ppb	.000	.068				
*** Sample ID: DLJN1S					Seq: 52	15:49:16 07 Oct 2000 HG		
Hg	1.03	ppb	.000	1.03				
*** Sample ID: DLJN1D					Seq: 53	15:51:04 07 Oct 2000 HG		
Hg	1.07	ppb	.000	1.07				
*** Sample ID: DLJN5					Seq: 54	15:53:04 07 Oct 2000 HG		
Hg	.036	ppb	.000	.036				
*** Sample ID: DLJN8					Seq: 55	15:54:55 07 Oct 2000 HG		
Hg	.091	ppb	.000	.091				
*** Sample ID: CCV4					Seq: 56	15:56:52 07 Oct 2000 HG		
Hg	4.75	ppb	.000	4.75				
*** Sample ID: CCB4					Seq: 57	15:58:43 07 Oct 2000 HG		
Hg	-.058	ppb	.000	-.058				
*** Sample ID: DLJNC					Seq: 58	16:00:56 07 Oct 2000 HG		
Hg	.127	ppb	.000	.127				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: DLJNE					Seq: 59	16:02:43 07 Oct 2000 HG		
Hg	.140	ppb	.000	.140				
*** Sample ID: DLJNP					Seq: 60	16:04:30 07 Oct 2000 HG		
Hg	-.004	ppb	.000	-.004				
*** Sample ID: DLJNV					Seq: 61	16:06:19 07 Oct 2000 HG		
Hg	.231	ppb	.000	.231				
*** Sample ID: DLJP2					Seq: 62	16:08:08 07 Oct 2000 HG		
Hg	.247	ppb	.000	.247				
*** Sample ID: DLJP4					Seq: 63	16:10:18 07 Oct 2000 HG		
Hg	.330	ppb	.000	.330				
*** Sample ID: DLJP5					Seq: 64	16:12:06 07 Oct 2000 HG		
Hg	.165	ppb	.000	.165				
*** Sample ID: DLJP8					Seq: 65	16:13:58 07 Oct 2000 HG		
Hg	.410	ppb	.000	.410				
*** Sample ID: DLJP9					Seq: 66	16:15:58 07 Oct 2000 HG		
Hg	.108	ppb	.000	.108				
*** Sample ID: CCV5					Seq: 67	16:17:50 07 Oct 2000 HG		
Hg	4.78	ppb	.000	4.78				
*** Sample ID: CCB5					Seq: 68	16:19:41 07 Oct 2000 HG		
Hg	-.044	ppb	.000	-.044				
*** Sample ID: DLJLH					Seq: 69	16:21:39 07 Oct 2000 HG		
Hg	.112	ppb	.000	.112				
*** Sample ID: DLJLM					Seq: 70	16:23:40 07 Oct 2000 HG		
Hg	.150	ppb	.000	.150				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: DLJLT				Seq:	71	16:25:39 07 Oct 2000 HG		
Hg	.011	ppb	.000	.011				
*** Sample ID: DLJLW				Seq:	72	16:27:29 07 Oct 2000 HG		
Hg	.044	ppb	.000	.044				
*** Sample ID: DLJLX				Seq:	73	16:29:21 07 Oct 2000 HG		
Hg	.382	ppb	.000	.382				
*** Sample ID: DLJM1				Seq:	74	16:31:11 07 Oct 2000 HG		
Hg	.211	ppb	.000	.211				
*** Sample ID: DLJM3				Seq:	75	16:33:11 07 Oct 2000 HG		
Hg	.132	ppb	.000	.132				
*** Sample ID: DLJM5				Seq:	76	16:35:00 07 Oct 2000 HG		
Hg	.286	ppb	.000	.286				
*** Sample ID: CCV6				Seq:	77	16:37:11 07 Oct 2000 HG		
Hg	4.77	ppb	.000	4.77				
*** Sample ID: CCB6				Seq:	78	16:39:26 07 Oct 2000 HG		
Hg	-.128	ppb	.000	-.128				

BOE-C6-0169667

*** Sample ID: DLH2X 10X Seq: 79 16:50:11 07 Oct 2000 HG

Hg 22.9 H ppb .000 22.9

*** Sample ID: DLH2M 10X Seq: 80 16:52:01 07 Oct 2000 HG

Hg 91.5 H ppb .000 91.5

*** Sample ID: DLH2N 10X Seq: 81 16:53:52 07 Oct 2000 HG

Hg -.830 ppb .000 -.830

*** Sample ID: DLH2K 20X Seq: 82 17:06:53 07 Oct 2000 HG

Hg -.060 ppb .000 -.060

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: CCV6 Seq: 83 17:09:21 07 Oct 2000 HG

Hg 4.67 ppb .000 4.67

*** Sample ID: CCB6 Seq: 84 17:11:13 07 Oct 2000 HG

Hg -.102 ppb .000 -.102

*** Sample ID: DLH2K 20X Seq: 85 17:16:39 07 Oct 2000 HG

Hg 7.35 ppb .000 7.35

*** Sample ID: DLH2M 100X Seq: 86 17:18:41 07 Oct 2000 HG

Hg 2.67 ppb .000 2.67

*** Sample ID: DLH2N 20X Seq: 87 17:21:30 07 Oct 2000 HG

Hg 68.6 H ppb .000 68.6

*** Sample ID: DLH2N 200X Seq: 88 17:25:16 07 Oct 2000 HG

Hg 11.2 H ppb .000 11.2

*** Sample ID: DLH2N 250X Seq: 89 17:28:43 07 Oct 2000 HG

Hg 9.18 ppb .000 9.18

*** Sample ID: DKP09 Seq: 90 17:30:41 07 Oct 2000 HG

Hg .057 ppb .000 .057

*** Sample ID: DKP0L Seq: 91 17:32:34 07 Oct 2000 HG

Hg .420 ppb .000 .420

*** Sample ID: CCV7 Seq: 92 17:34:28 07 Oct 2000 HG

Hg 4.67 ppb .000 4.67

*** Sample ID: CCB7 Seq: 93 17:36:29 07 Oct 2000 HG

Hg -.070 ppb .000 -.070

RQC057

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

Run Date: 10/05/00
Time: 17:14:58

BATCH NUMBER: **0279510**

PREP DATE: 10/05/00
DUE DATE 10/10/00

INITIALS: Tm 10/5/00

	LOT NUMBER	WORK ORDER	QC	~~ICP~~ Hg 10/7/00 /WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
3	E0J040325 SOLID	DLJN1 TO DUE DATE: 10/10/00	01	0.60 g	X ____g	____g	____g
4		DLJN1S		0.61 g	____g	____g	____g
5		DLJN1D		0.60 g	____g	____g	____g
6	E0J040325 SOLID	DLJN5 TO DUE DATE: 10/10/00	01	0.60 g	X ____g	____g	____g
7	E0J040325 SOLID	DLJN8 TO DUE DATE: 10/10/00	01	0.60 g	X ____g	____g	____g
8	E0J040325 SOLID	DLJNC TO DUE DATE: 10/10/00	01	0.60 g	X ____g	____g	____g
9	E0J040325 SOLID	DLJNE TO DUE DATE: 10/10/00	01	0.60 g	X ____g	____g	____g
10	E0J040325 SOLID	DLJNP TO DUE DATE: 10/10/00	01	0.60 g	X ____g	____g	____g
11	E0J040325 SOLID	DLJNV TO DUE DATE: 10/10/00	01	0.60 g	X ____g	____g	____g
12	E0J040325 SOLID	DLJP2 TO DUE DATE: 10/10/00	01	0.61 g	X ____g	____g	____g
13	E0J040325 SOLID	DLJP4 TO DUE DATE: 10/10/00	01	0.60 g	X ____g	____g	____g
14	E0J040325 SOLID	DLJP5 TO DUE DATE: 10/10/00	01	0.60 g	X ____g	____g	____g
15	E0J040325 SOLID	DLJP8 TO DUE DATE: 10/10/00	01	0.60 g	X ____g	____g	____g
16	E0J040325 SOLID	DLJP9 TO DUE DATE: 10/10/00	01	0.60 g	X ____g	____g	____g
17	E0J040324 SOLID	DLJLH TO DUE DATE: 10/11/00	01	0.60 g	X ____g	____g	____g
18	E0J040324 SOLID	DLJLM TO DUE DATE: 10/11/00	01	0.60 g	X ____g	____g	____g

weighed Tm 10/5/00

RQC057

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

Run Date: 10/05/00
Time: 17:14:58

BATCH NUMBER: **0279510**

PREP DATE: 10/05/00
DUE DATE 10/10/00

INITIALS: JP

Hg 10/7/00 JP

	LOT NUMBER	WORK ORDER	QC	~~ICP~~/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
19	E0J040324	DLJLT	01	0.61 g	X _____g	_____g	_____g
	SOLID	TO DUE DATE:		10/11/00			
20	E0J040324	DLJLW	01	0.61 g	X _____g	_____g	_____g
	SOLID	TO DUE DATE:		10/11/00			
21	E0J040324	DLJLX	01	0.59 g	X _____g	_____g	_____g
	SOLID	TO DUE DATE:		10/11/00			
22	E0J040324	DLJM1	01	0.60 g	X _____g	_____g	_____g
	SOLID	TO DUE DATE:		10/11/00			
23	E0J040324	DLJM3	01	0.61 g	X _____g	_____g	_____g
	SOLID	TO DUE DATE:		10/11/00			
24	E0J040324	DLJM5	01	0.60 g	X _____g	_____g	_____g
	SOLID	TO DUE DATE:		10/11/00			
1	E0J050000	DLLVPB	01	~~1.6~~ 0.60 g	X _____g	_____g	_____g
	SOLID	DUE DATE:		0/00/00			
2		DLLVPC		0.60 g	_____g	_____g	_____g

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

COMMENTS: F.V. = 100 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: 0279510

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

Prepared By: [signature] Date/Time Initiated: 10/6/00 / 1500

Reviewed By: [signature] Date/Time Completed: d / 1530

Water Bath # 6 Temp* 95 °C Thermometer # M-H-01

*Thermometer correction applied. (CF + 2.0°C)

Spike Standards for LCS, MS/MSD and ICV samples (*Volume of Working standard).

	*Volume	Lot #	Exp. Date
1. Hg Cal (MS)	1 mL	Hg-060800	05/2002
2. Hg Cal (LCS)	5 mL	Hg-060800	05/2002
3. Hg ICV	0.5 mL	Hg-061300	07/2001

Preparation Reagents	Volume	Lot # N35058	Analysis Reagents	Volume	Lot#
*HNO_3	1.25 mL	6623 ~~T09A058~~	NH_2OH-HCl-	6.0 mL	995700-
*HCl	3.75 mL	5587 N41A07	NaCl		995717
$KMnO_4$	15 mL	995929	$SnCl_2$ +	Controlled by	000152-
$K_2S_2O_8$	8.0 mL	995705	HCl	instrument	419100

* 3 HCl : 1HNO_3 as Aqua Regia

10/7/00 [signature]

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: 10/7/00 Received By: [signature] Date: 10/7/00

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08/19/00

BOE-C6-0169673

RQC057

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

Run Date: 10/10/00
Time: 11:54:58

BATCH NUMBER: **0279509**

PREP DATE: 10/05/00
DUE DATE 9/27/00

INITIALS: TM/JGA

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0I200185	DKP09	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		9/27/00			
E0I200185	DKP0L	01	_____g	X 0.62 g	_____g	_____g
SOLID	TO DUE DATE:		9/27/00			
E0J040322	DLJK1	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
	DLJK1S		_____g	0.60 g	_____g	_____g
	DLJK1D		_____g	0.60 g	_____g	_____g
E0J040322	DLJK8	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040322	DLJKC	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040322	DLJKE	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040322	DLJKG	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040322	DLJKJ	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040322	DLJKL	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040322	DLJKN	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040322	DLJKW	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040322	DLJL1	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040322	DLJL4	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040322	DLJL9	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: 10/10/00
Time: 11:54:58

BATCH NUMBER: **0279509**

PREP DATE: 10/05/00
DUE DATE 9/27/00

INITIALS: TM

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0J040325	DLJME	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040325	DLJMG	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040325	DLJMK	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040325	DLJML	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040325	DLJMP	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040325	DLJMQ	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040325	DLJMV	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J040325	DLJN0	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J050000	DLLVMB	01	_____g	X 0.60 g	_____g	_____g
SOLID	DUE DATE:		0/00/00			
	DLLVMC		_____g	0.62 g	_____g	_____g

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

COMMENTS: F.V. = 100ML

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

SPIKING WITNESSED BY _____

STL LOS ANGELES

Précis

Metals Preparation

Batch: 0279509

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

Prepared By: [signature] Date/Time Initiated: 10/6/00 / 1400

Reviewed By: [signature] Date/Time Completed: 〃 / 1430

Water Bath # 6 Temp* 95 °C Thermometer # M-H-01

*Thermometer correction applied. (CF + 2.0°C)

Spike Standards for LCS, MS/MSD and ICV samples (*Volume of Working standard).

	*Volume	Lot #	Exp. Date
1. Hg Cal (MS)	1 mL	Hg-060800	05/2002
2. Hg Cal (LCS)	5 mL	Hg-060800	05/2002
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Preparation Reagents	Volume	Lot # N35058	Analysis Reagents	Volume	Lot#
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$KMnO_4$	15 mL	995929	$SnCl_2$ +	Controlled by	000152+
$K_2S_2O_8$	8.0 mL	995705 10/7/00 [signature]	HCl	instrument	419100

* 3 HCl : 1HNO_3 as Aqua Regia

SOP No. CORP-IP-0007SA, Revision 1.1, Date: 7/10/96

Method 7471A/245.5

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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: 10/7/00 Received By: [signature] Date: 10/7/00

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