9/25

TVPH

SAMPLE AND QC DATA

C6 → C8

Date(s) Analyzed: 10-12,13-00 | 1 a 20

Instrument ID: GC15A GC16 GC13 | G15A

Batch #: 0292380

Samples: EUJ090227-B,C,1,2 3,4,5,7,8,9, 10,11,13,14,19,22,25 | 15.1D*

* 10/20 MB/LCS in unused data

Turbochrom Sequence File : C:\TC4\GC15\012.SEQ
Created by : JKA on : 10/12/00 04:24 PM
Edited by : JKA/ARM on : 10/13/00 04:39 PM
Description : TVPH BY PURGE AND TRAP BY METHOD 8015B

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

FJK 10/21/00

Number of Times Edited : 5

Sequence File Header Information:

Number of Rows : 100
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	GASCCV	GASCCV		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		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
4	Sample	BLK-S	BLK-S		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
5	Sample	J090227-1	227-1		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
6	Sample	J090227-2	227-2		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
7	Sample	J090227-3	227-3		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
8	Sample	J090227-4	227-4		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
9	Sample	J090227-5	227-5		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
	Sample	n/a J090227-6	227-6	low TFT	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
	Sample	J090227-7	227-7		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
12	Sample	J090227-8	227-8		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
13	Sample	J090227-9	227-9		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
14	Sample	J090227-10	227-10		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
15	Sample	GASCCV	GASCCV		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
16	Sample	BLK-S	BLK-S		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
17	Sample	J090227-11	227-11		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
18	Sample	J090227-12	227-12		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
19	Sample	J090227-13	227-13		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
20	Sample	J090227-14	227-14		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
21	Sample	J090227-19	227-19		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
22	Sample	J090227-21	227-21		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
23	Sample	J090227-22	227-22		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
24	Sample	J090227-23	227-23		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
25	Sample	J090227-25	227-25		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
26	Sample	J090227-26	227-26		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
27	Sample	J090227-1 bad purge	227-1GMS	Batch controlled by LCS	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
28	Sample	J090227-1	227-1GMSD		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
29	Sample	GASCCV	GASCCV		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
30	Sample	LCSGAS-S	LCS-GAS		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
31	Sample	BLK-S	BLK-S		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
32	Sample	J100272-1	272-1		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
33	Sample	J100272-3	272-3		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
34	Sample	J100272-4	272-4		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
35	Sample	J100272-8	272-8		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
36	Sample	J100272-9	272-9		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
37	Sample	J100272-10	272-10		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
38	Sample	J100272-11	272-11		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
39	Sample	J100272-12	272-12		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
40	Sample	J100272-13	272-13		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
41	Sample	J100272-14	272-14		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
42	Sample	GASCCV	GASCCV		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
43	Sample	BLK-S	BLK-S		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
44	Sample	J100272-15	272-15		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
45	Sample	J100272-16	272-16		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
[illegible]	Sample	J100272-17	272-17		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
47	Sample	J100272-18	272-18		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
48	Sample	n/a J100272-19	272-19	n/a	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
49	Sample	J100272-20	272-20		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
50	Sample	J100272-21	272-1		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
51	Sample	J100272-21	272-21GMS	ms	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
52	Sample	J100272-21	272-21GMSD	msd	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
53	Sample	GASCCV	GASCCV		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
54	Sample	LCSGAS-S	LCS-GAS		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000

000670

55	Sample	BLK-S	BLK-S	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
56	Sample	J100274-2	274-2	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
57	Sample	[redacted]	274-3	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
58	Sample	[redacted]	274-5	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
59	Sample	J100274-6	274-6	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
60	Sample	[redacted]	274-7	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
61	Sample	[redacted]	274-9	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
	Sample	[redacted]	274-10	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
	Sample	[redacted]	274-11	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
64	Sample	[redacted]	274-12	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
65	Sample	[redacted]	274-14	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
66	Sample	GASCCV	GASCCV	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
67	Sample	BLK-S	BLK-S	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
68	Sample	[redacted]	274-15	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
69	Sample	[redacted]	274-16	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
70	Sample	[redacted]	274-17	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
71	Sample	[redacted]	274-18	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
72	Sample	[redacted]	274-20	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
73	Sample	[redacted]	274-22	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
74	Sample	[redacted]	274-24	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
75	Sample	[redacted]	274-25	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
76	Sample	[redacted]	274-26	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
77	Sample	[redacted]	274-27	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
78	Sample	[redacted]	274-2GMS	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
79	Sample	[redacted]	274-2GMSD	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
80	Sample	GASCCV	GASCCV	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
81	Sample	LCSGAS-S	LCS-GAS	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
82	Sample	BLK-S	BLK-S	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
83	Sample	J100274-28	274-28	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
84	Sample	J100274-29	274-29	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
85	Sample	J100274-30	274-30	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
86	Sample	J100274-31	274-31	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
87	Sample	J100274-32	274-32	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
88	Sample	J100274-33	274-33	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
89	Sample	J100274-34	274-34	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
90	Sample	J100274-37	274-37	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
91	Sample	J100274-38	274-38	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
92	Sample	J100274-39	274-39	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
93	Sample	J100274-39	274-39GMS	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
94	Sample	J100274-39	274-39GMSD	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
95	Sample	GASCCV	GASCCV	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
96	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
99	Sample			1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
100	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 : 10/16/00 01:22 PM
Study :

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

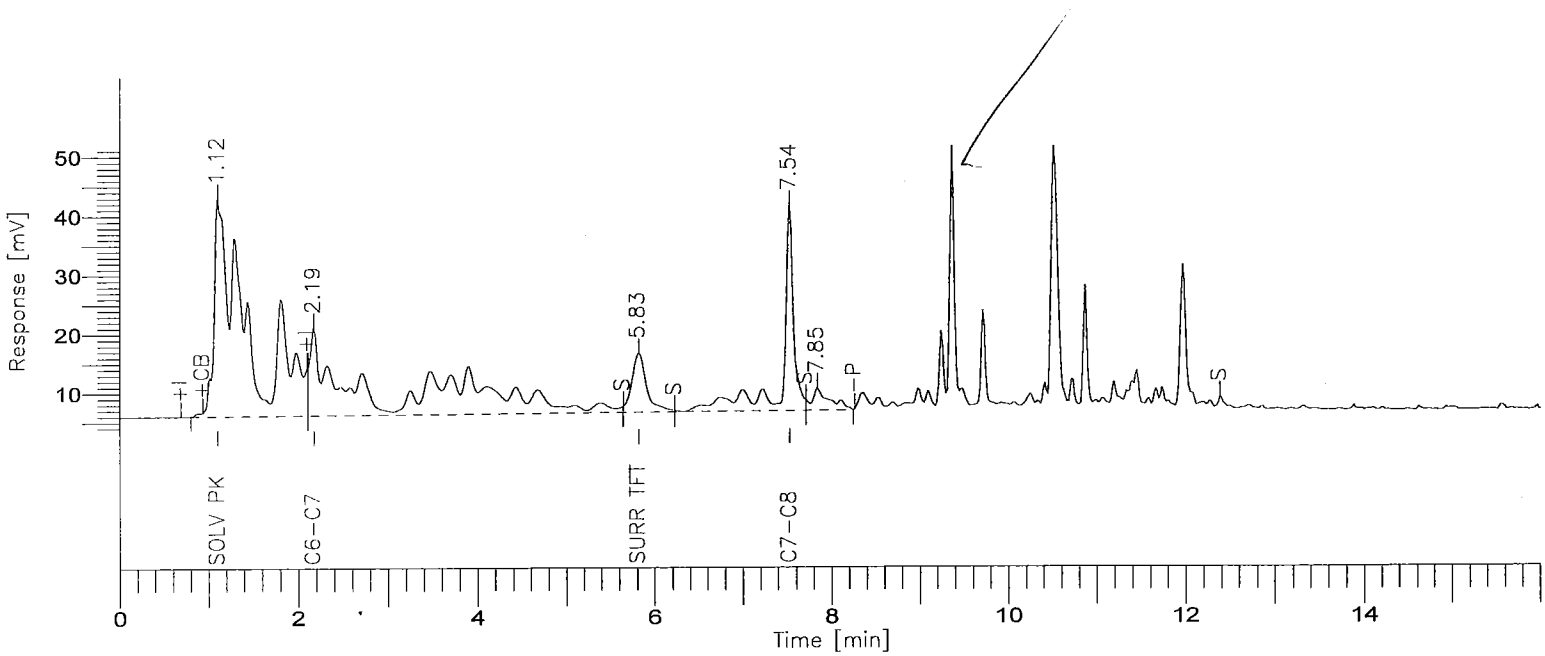
Channel : A A/D mV Range : 1000

Interface Serial # : 0269512307 Data Acquisition Time: 10/12/00 05:03 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O12A002.RAW
Result File : C:\TC4\GC15\O12A002.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O12A002.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8.MTH
Calib Method : C:\TC4\GC15\METHODS\925C6-C8.MTH
Sequence File : C:\TC4\GC15\O12.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
5.83	SURR TFT	117606	0.0420	0.0400	4.9
7.53	GASOLINE RANGE	1046790	0.9285	1.0000	-7.2
		1164397			

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
2.18	C6-C7	742250	1.0586	0.0000	-----
7.53	C7-C8	304540	0.7208	0.0000	-----
		1046790			

SIL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O12A002.TXO

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

Time : 10/16/00 01:23 PM
Study :

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

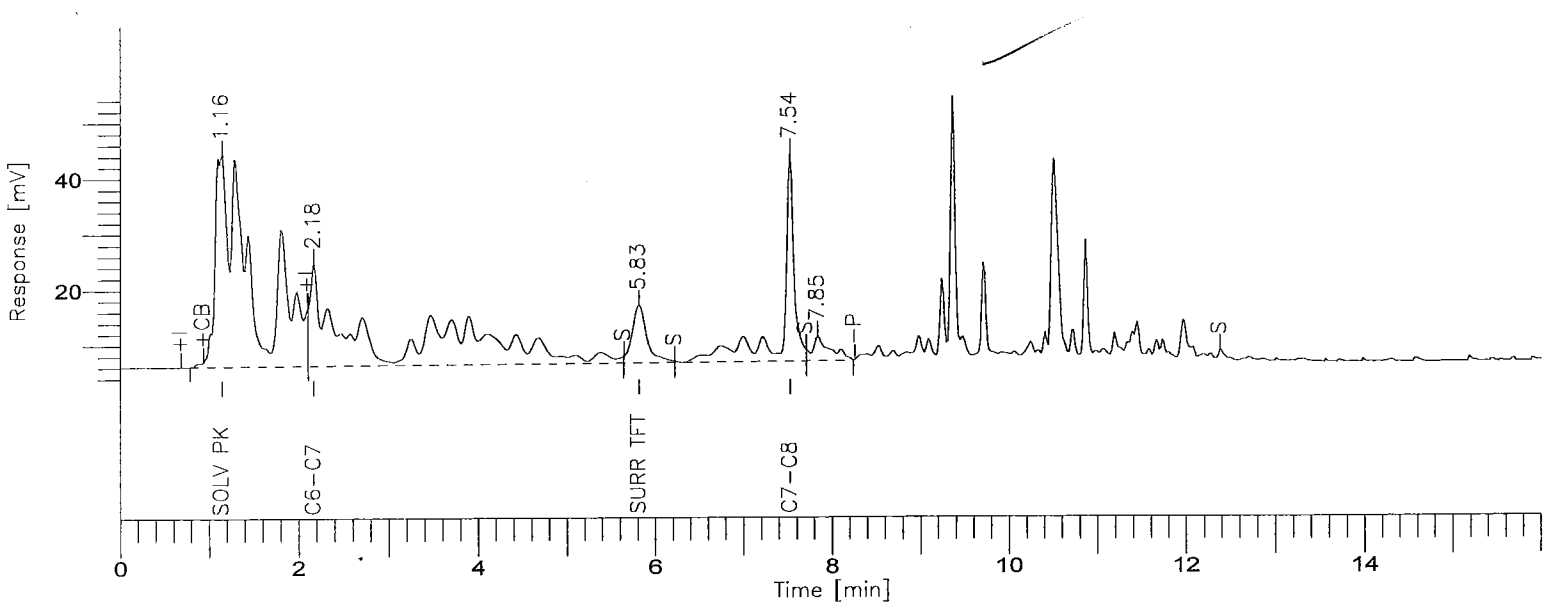
Channel : A A/D mV Range : 1000

Interface Serial # : 0269512307 Data Acquisition Time: 10/12/00 11:13 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O12A015.RAW
Result File : C:\TC4\GC15\O12A015.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O12A015.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8.MTH
Calib Method : C:\TC4\GC15\METHODS\925C6-C8.MTH
Sequence File : C:\TC4\GC15\O12.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
5.83	SURR TFT	122355	0.0434	0.0400	8.4
7.53	GASOLINE RANGE	1223944	1.0808	1.0000	8.1
		1346299			

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
2.18	C6-C7	880155	1.2514	0.0000	-----
7.53	C7-C8	343789	0.8084	0.0000	-----
		1223944			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O12A015.TX0

Software Version: 4.1<2F12>
Sample Name : GASCCV
Sample Number: GASCCV
(`rator :

Time : 10/16/00 01:24 PM
Study :

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

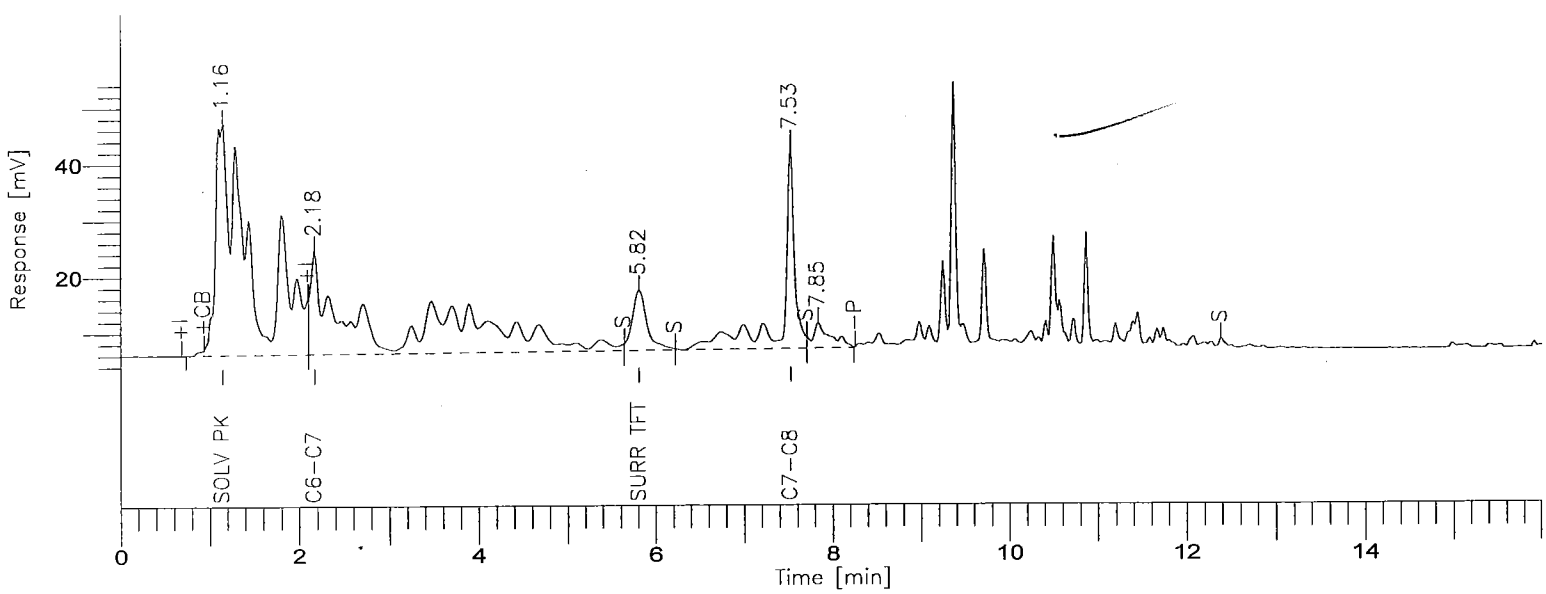
Channel : A A/D mV Range : 1000

Interface Serial # : 0269512307 Data Acquisition Time: 10/13/00 05:52 AM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O12A029.RAW
Result File : C:\TC4\GC15\O12A029.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O12A029.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8.MTH
Calib Method : C:\TC4\GC15\METHODS\925C6-C8.MTH
Sequence File : C:\TC4\GC15\O12.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
1.16	SOLV PK	1102029	12.6142	0.0000	-----
5.82	SURR TFT	124799	0.0441	0.0400	10.2
7.53	GASOLINE RANGE	1219850	1.0773	1.0000	7.7
		2446678			

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
2.18	C6-C7	880087	1.2513	0.0000	-----
7.53	C7-C8	339763	0.7994	0.0000	-----
		1219850			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O12A029.TX0

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

Time : 10/16/00 01:24 PM
Study :

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

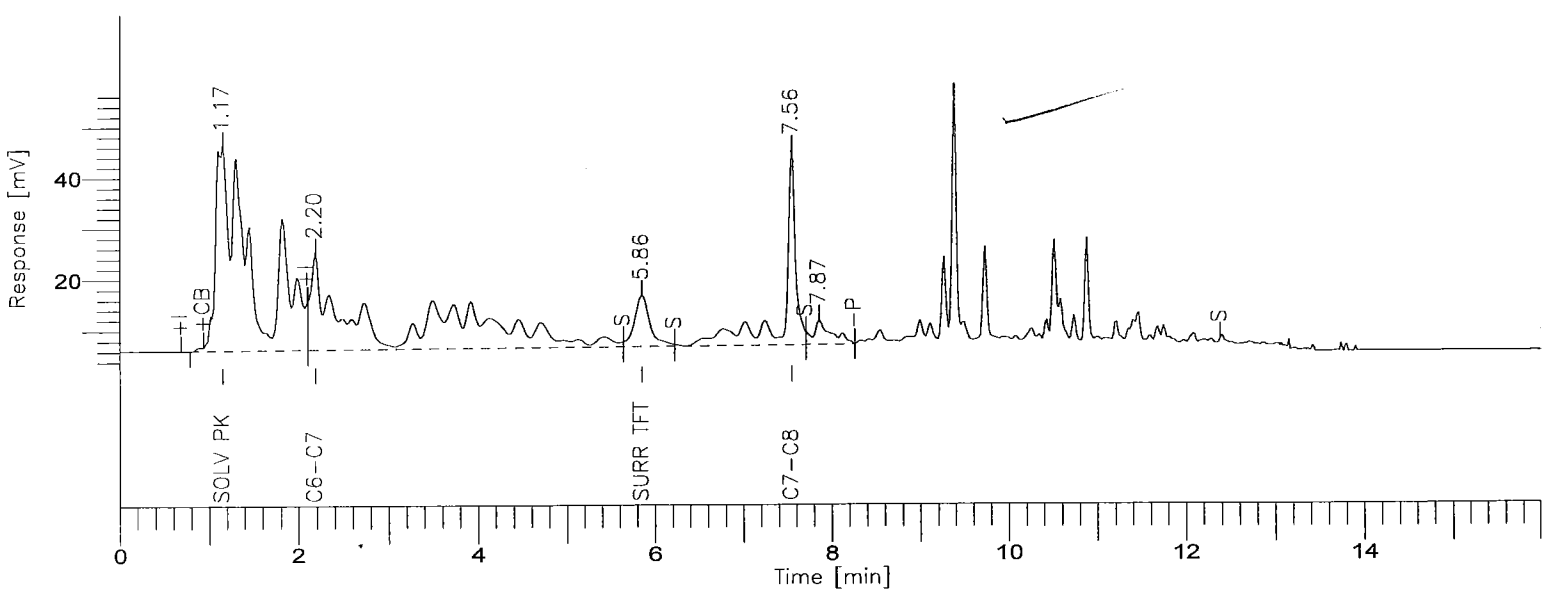
Channel : A A/D mV Range : 1000

Interface Serial # : 0269512307 Data Acquisition Time: 10/13/00 12:02 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O12A042.RAW
Result File : C:\TC4\GC15\O12A042.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O12A042.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8.MTH
Calib Method : C:\TC4\GC15\METHODS\925C6-C8.MTH
Sequence File : C:\TC4\GC15\O12.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

000678

BOE-C6-0149796

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
1.17	SOLV PK	1103187	12.6275	0.0000	-----
5.86	SURR TFT	119628	0.0426	0.0400	6.4
7.56	GASOLINE RANGE	1270230	1.1206	1.0000	12.1
		2493046			

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
2.20	C6-C7	914585	1.2995	0.0000	-----
7.56	C7-C8	355645	0.8348	0.0000	-----
		1270230			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O12A042.TXO

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

Time : 10/16/00 01:25 PM
Study :

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

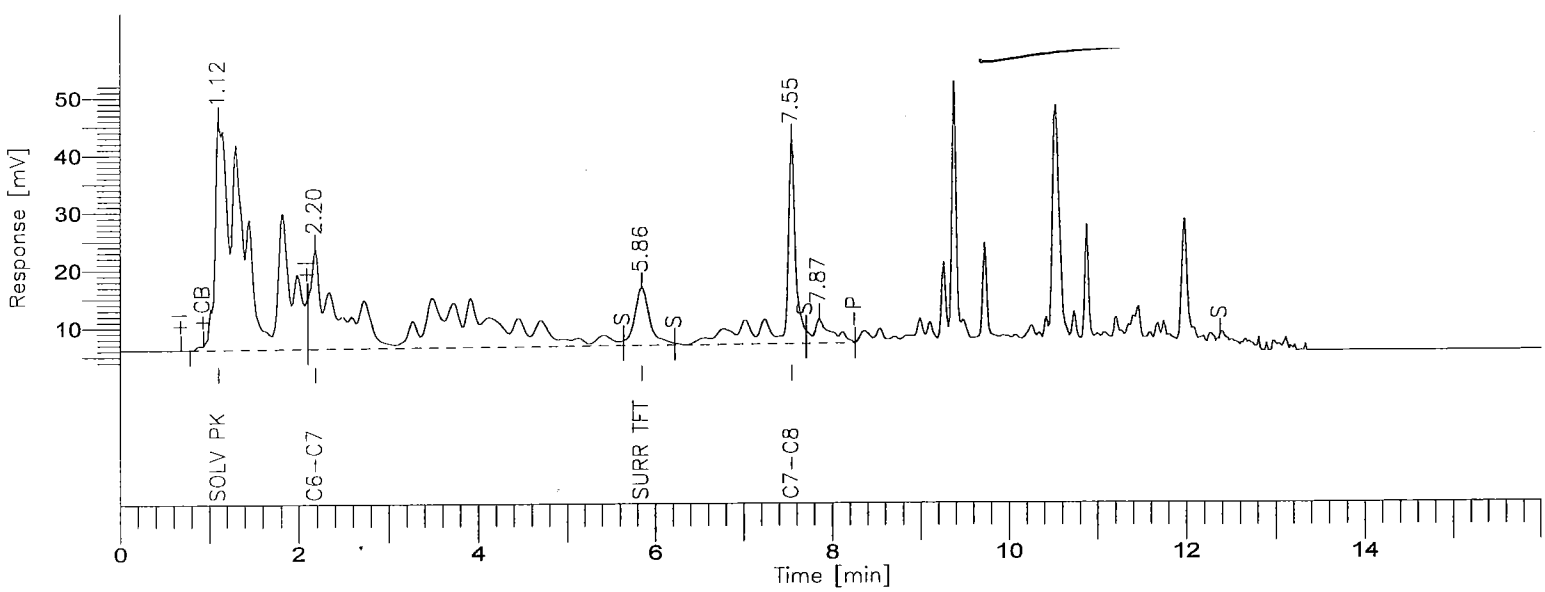
Channel : A A/D mV Range : 1000

Interface Serial # : 0269512307 Data Acquisition Time: 10/13/00 05:15 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O12A053.RAW
Result File : C:\TC4\GC15\O12A053.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O12A053.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8.MTH
Calib Method : C:\TC4\GC15\METHODS\925C6-C8.MTH
Sequence File : C:\TC4\GC15\O12.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
5.86	SURR TFT	119618	0.0425	0.0400	6.4
7.55	GASOLINE RANGE	1163778	1.0290	1.0000	2.9
		1283397			

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
2.20	C6-C7	841433	1.1973	0.0000	-----
7.55	C7-C8	322345	0.7605	0.0000	-----
		1163778			

SIL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O12A053.TXO

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

Time : 10/16/00 01:26 PM
Study :

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

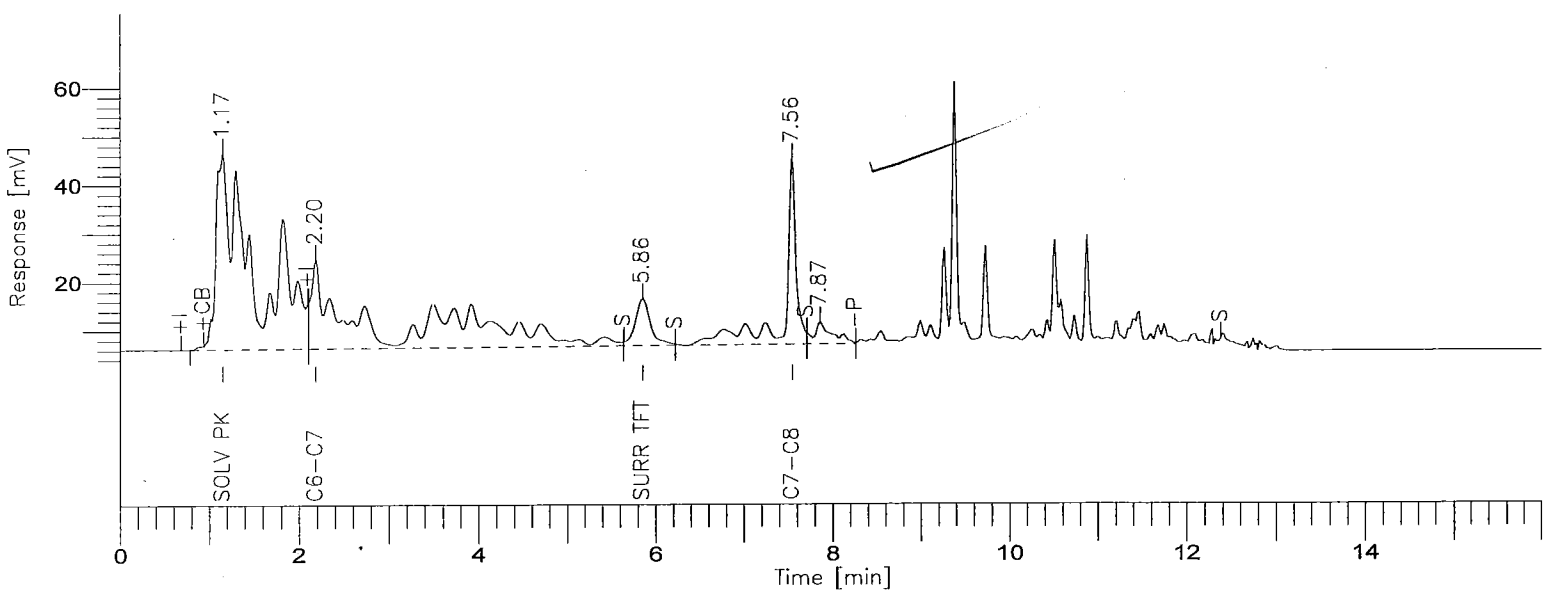
Channel : A A/D mV Range : 1000

Interface Serial # : 0269512307 Data Acquisition Time: 10/13/00 11:25 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O12A066.RAW
Result File : C:\TC4\GC15\O12A066.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O12A066.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8.MTH
Calib Method : C:\TC4\GC15\METHODS\925C6-C8.MTH
Sequence File : C:\TC4\GC15\O12.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

000682

BOE-C6-0149800

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
5.86	SURR TFT	114446	0.0410	0.0400	2.6
7.55	GASOLINE RANGE	1230204	1.0862	1.0000	8.6
		1344650			

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
2.20	C6-C7	884239	1.2571	0.0000	-----
7.55	C7-C8	345965	0.8132	0.0000	-----
		1230204			

SIL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O12A066.TXO

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

Time : 10/16/00 01:27 PM
Study :

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

Channel : A A/D mV Range : 1000

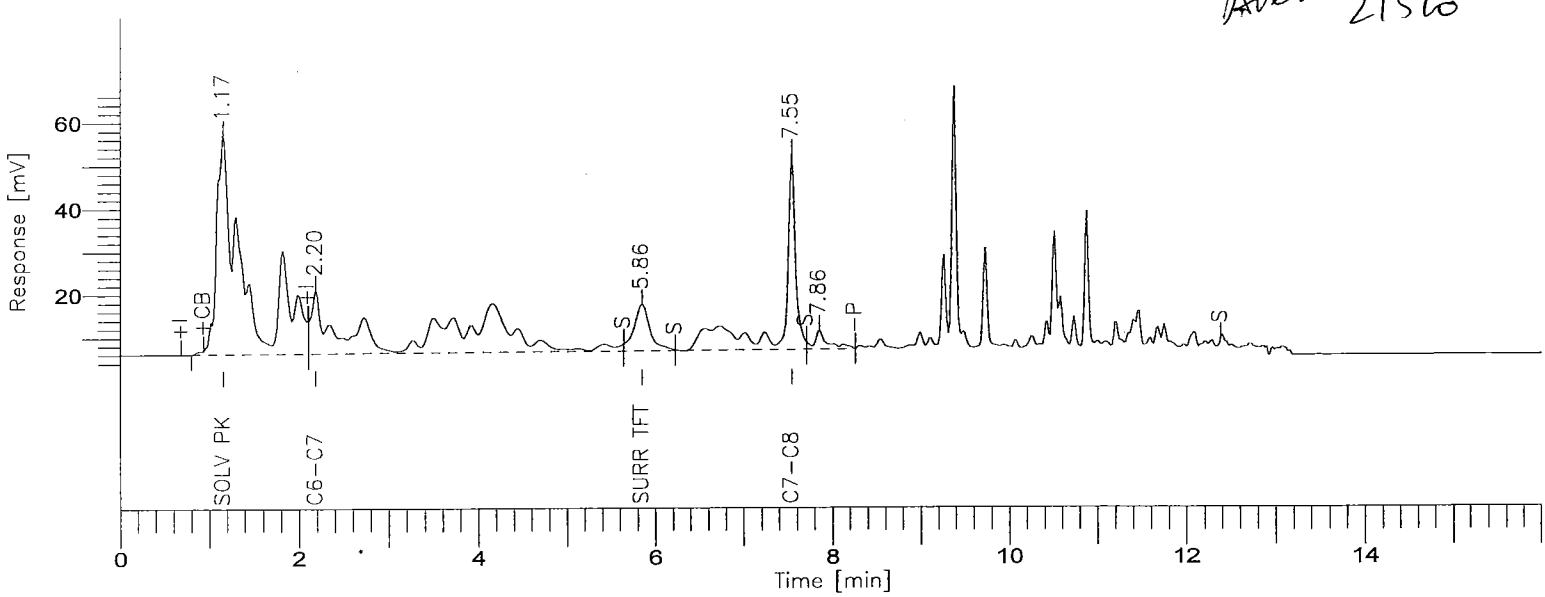
Interface Serial # : 0269512307 Data Acquisition Time: 10/14/00 06:04 AM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O12A080.RAW
Result File : C:\TC4\GC15\O12A080.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O12A080.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8.MTH
Calib Method : C:\TC4\GC15\METHODS\925C6-C8.MTH
Sequence File : C:\TC4\GC15\O12.SEQ

Sample Volume : 1.0000 ml
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

Ave % D 21%



8015B(TVPH)

GC-15/FID COLUMN: DB624

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
1.17	SOLV PK	1077116	12.3290	0.0000	-----
5.86	SURR TFT	135795	0.0473	0.0400	18.3
7.55	GASOLINE RANGE	1258170	1.1102	1.0000	11.0
		2471081			

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
2.20	C6-C7	806833	1.1489	0.0000	-----
7.55	C7-C8	451336	1.0484	0.0000	-----
		1258170			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O12A080.TX0

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

Time : 10/16/00 01:27 PM
Study :

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

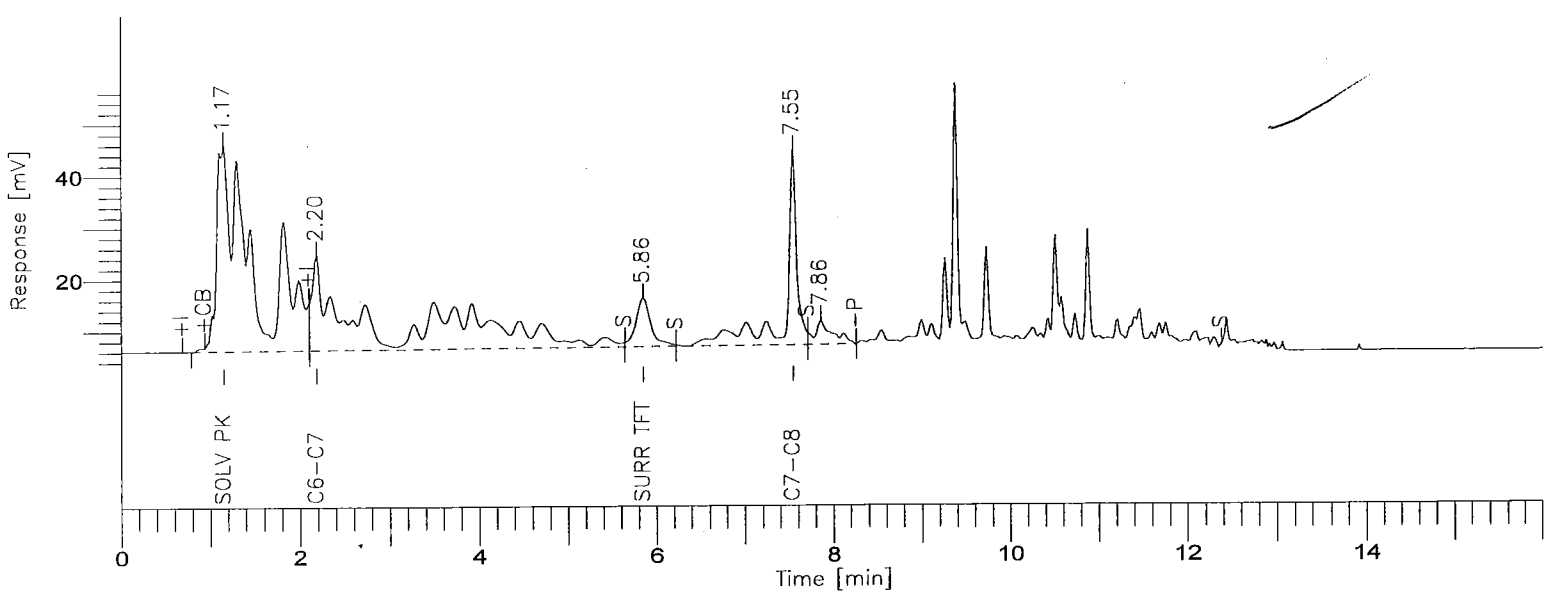
Channel : A A/D mV Range : 1000

Interface Serial # : 0269512307 Data Acquisition Time: 10/14/00 01:23 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O12A095.RAW
Result File : C:\TC4\GC15\O12A095.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O12A095.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8.MTH
Calib Method : C:\TC4\GC15\METHODS\925C6-C8.MTH
Sequence File : C:\TC4\GC15\O12.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
1.17	SOLV PK	1091773	12.4968	0.0000	-----
5.86	SURR TFT	112836	0.0405	0.0400	1.4
7.55	GASOLINE RANGE	1237508	1.0924	1.0000	9.2
		2442117			

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
2.20	C6-C7	893360	1.2699	0.0000	-----
7.55	C7-C8	344148	0.8092	0.0000	-----
		1237508			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O12A095.TX0

55	Sample	LCS-S	LCS-S	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
56	Sample	BLK-S	BLK-S	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
57	Sample	test		LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
58	Sample	j120326-2	326-2	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
59	Sample	j120326-3	326-3	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
60	Sample	j120326-4	326-4	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
61	Sample	j120326-5	326-5	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
	Sample	j120326-7	326-7	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
	Sample	j120326-8	326-8	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
64	Sample	j120326-9	326-9	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
65	Sample	j120326-10	326-10	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
66	Sample	gasccv	gasccv		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
67	Sample	j130321-1	321-1	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
68	Sample	j130321-2	321-2	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
69	Sample	j130321-4	321-4	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
70	Sample	j130321-5	321-5	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
71	Sample	j130321-6	321-6	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
72	Sample	j130321-7	321-7	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
73	Sample	j130321-8	321-8	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
74	Sample	gasccv	gasccv		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
75	Sample	j130321-9	321-9	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
76	Sample	j130321-21	321-21	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
77	Sample	j130321-22	321-22	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
78	Sample	j130321-24	321-24	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
79	Sample	j130321-25	321-25	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
80	Sample	321-1ms	321-1ms	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
81	Sample	321-1msd	321-1msd	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
82	Sample	GASCCV	GASCCV	BAD PURGE	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
83	Sample	GASCCV	GASCCV	LOW SOIL	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
84	Sample	LCS-S	LCS-S	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
85	Sample	BLK-S	BLK-S	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
86	Sample	BLK-S	BLK-S	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
87	Sample	J100274-2	J100274-2	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
88	Sample	j130321-27	j130321-27	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
89	Sample	j130341-1	341-1	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
90	Sample	j130341-2	341-2	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
91	Sample	j130341-3	341-3	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
92	Sample	j130341-4	341-4	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
93	Sample	j130341-5	341-5	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
94	Sample	j130341-6	341-6	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
95	Sample	j130341-7	341-7	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
96	Sample	j130341-8	341-8	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
	Sample	j130341-9	341-9	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
	Sample	j130341-10	341-10	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
99	Sample	j130341-11	341-11	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
100	Sample	j130341-12	341-12	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
101	Sample	j130341-14	341-14	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
102	Sample	j130341-15	341-15	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
103	Sample	BLK	BLK		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
104	Sample	U2 GASCCV	GASCCV		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
105	Sample	j130341-17	341-17	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
106	Sample	j130341-18	341-18	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
107	Sample	j130341-19	341-19	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
108	Sample	j130341-20	341-20	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
109	Sample	341-1ms	341-1ms	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
110	Sample	341-1msd	341-1msd	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
111	Sample	LCS-S	LCS-S	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
112	Sample	BLK-S	BLK-S	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
113	Sample	BLK-S	BLK-S	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
114	Sample	j130341-21	341-21	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
115	Sample	j130341-22	341-22	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
116	Sample	j130341-23	341-23	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
117	Sample	j130341-24	341-24	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
118	Sample	j130341-25	341-25	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
119	Sample	341-22ms	341-22ms	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
120	Sample	341-22msd	341-22msd	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
121	Sample	U2 GASCCV	GASCCV		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
122	Sample	J090227-1MS	227-1MS	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
123	Sample	J090227-1MSD	227-1MSD	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
124	Sample	LCS-S	LCS-S	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
125	Sample	BLK-S	BLK-S	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
126	Sample	J170121-1	121-1	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
127	Sample	J170121-3	121-3	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
128	Sample	J170121-4	121-4	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
129	Sample	J170121-5	121-5	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
130	Sample	J170121-6	121-6	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
131	Sample	J170121-8	121-8	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
	Sample	J170121-10	121-10	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
	Sample	J170121-12	121-12	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
134	Sample	J170121-14	121-14	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
135	Sample	J170121-15	121-15	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
136	Sample	J170121-16	121-16	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
137	Sample	J170121-21	121-21	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
138	Sample	J170121-22	121-22	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
139	Sample	J170121-23	121-23	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
140	Sample	J170121-27	121-27	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
141	Sample	J170121-28	121-28	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000

FTK 10/20/00

Turbochrom Sequence File : C:\TC4\GC15\017.SEQ
Created by : JKA on : 10/17/00 04:52 PM
Edited by : JKA on : 10/20/00 03:05 PM
Description : TVPH BY PURGE AND TRAP BY METHOD 8015B

TVPH STD: #
TVPH QC SPIKE: #
SURROGATE (TFT): #

Number of Times Edited : 34

Sequence File Header Information:

Number of Rows : 161
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	10/17/00 BLK	BLK	10/17/00	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	Sample	50/10PPB GAS/TF	50PPB GAS		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
4	Sample	200/20PPB GAS/T	200PPB GAS		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
5	Sample	500/30PPB GAS/T	500PPB GAS		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
6	Sample	1000/40PPB GAS/	1000PPB		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
7	Sample	2000/60PPB GAS/	2000PPB		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
8	Sample	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
	Sample	LCS-S	LCS-S	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
	Sample	BLK-S	BLK-S	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
12	Sample	J110284-1	284-1	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
13	Sample	J110284-2	284-2	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
14	Sample	J110284-3	284-3	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
15	Sample	J110284-4	284-4	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
16	Sample	J110284-6	284-6	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
17	Sample	J110284-11	284-11	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
18	Sample	J110284-13	284-13	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
19	Sample	J110284-14	284-14	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
20	Sample	J110284-15	284-15	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
21	Sample	J110284-21	284-21	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
22	Sample	J110284-22	284-22	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
23	Sample	J110284-23	284-23	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
24	Sample	J110284-24	284-24	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
25	Sample	J110284-25	284-25	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
26	Sample	J110284-26	284-26	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
27	Sample	J110284-27	284-27	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
28	Sample	284-1MS	284-1MS	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
29	Sample	284-1MSD	284-1MSD	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
30	Sample	BLK	BLK		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
31	Sample	GASCCV	GASCCV		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
32	Sample	LCS-S	LCS-S	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
33	Sample	BLK-S	BLK-S	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
34	Sample	BLK-S	BLK-S	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
35	Sample	J110292-2	292-2	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
36	Sample	J110292-3	292-3	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
37	Sample	J110292-4	292-4	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
38	Sample	J110292-5	292-5	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
39	Sample	J110292-6	292-6	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
40	Sample	J110292-7	292-7	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
41	Sample	J110292-8	292-8	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
42	Sample	J110292-9	292-9	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
43	Sample	J110292-10	292-10	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
44	Sample	J110292-11	292-11	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
	Sample	J110292-12	292-12	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
	Sample	J110292-14	292-14	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
47	Sample	J110292-15	292-15	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
48	Sample	J110292-16	292-16	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
49	Sample	J110292-17	292-17	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
50	Sample	J110292-18	292-16	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
51	Sample	J110292-19	292-17	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
52	Sample	292-2MS	292-2MS	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
53	Sample	292-2MSD	292-2MSD	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
54	Sample	GASCCV	GASCCV		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000

142	Sample	J170121-29	121-29	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
143	Sample	J170121-31	121-31	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
144	Sample	J170121-32	121-32	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
145	Sample	J170121-33	121-33	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
146	Sample	121-1MS	121-1MS	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
147	Sample	121-1MSD	121-1MSD	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
148	Sample	BLK	BLK		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
	Sample	GASCCV	GASCCV		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
	Sample	BLK	BLK		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
151	Sample	GASCCV	GASCCV		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
152	Sample	BLK	BLK		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
153	Sample	GASCCV	GASCCV		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
154	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
155	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
156	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
157	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
158	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
159	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
160	Sample			LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
161	Sample			LOW SOIL	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 : 10/20/00 01:06 PM
Study :

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

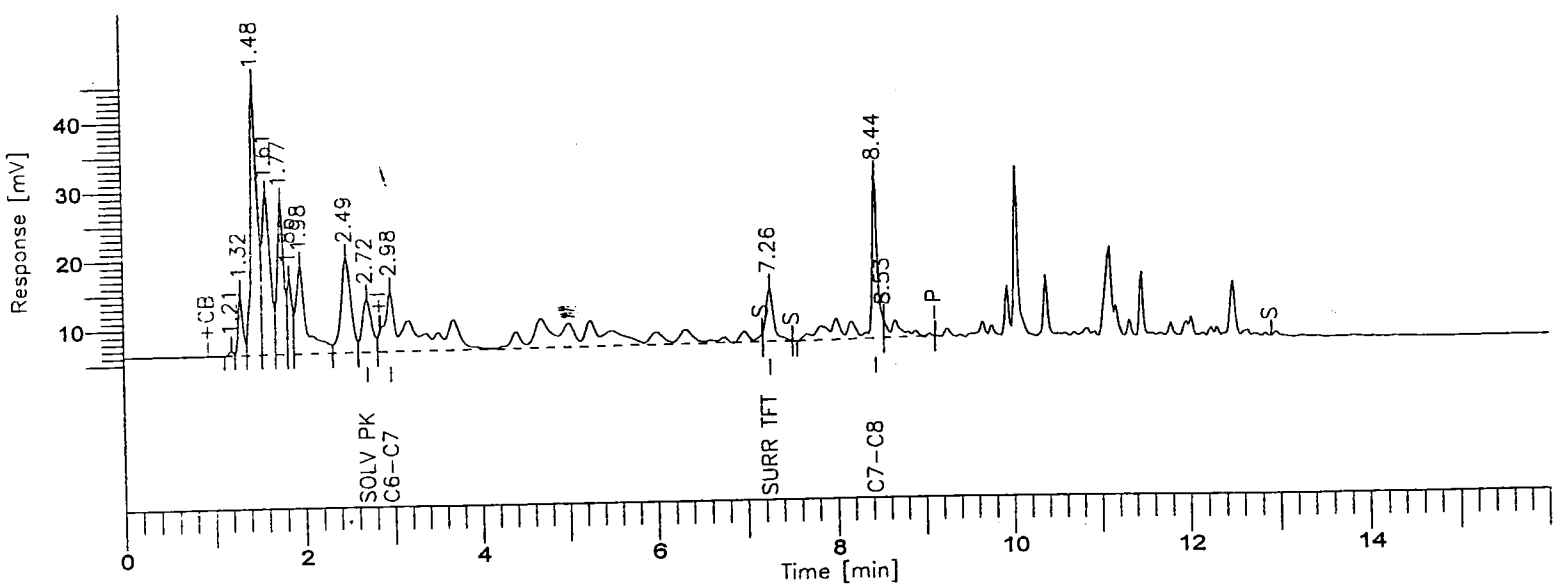
Channel : A A/D mV Range : 1000

Interface Serial # : 0269512307 Data Acquisition Time: 10/20/00 12:50 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O17A121.RAW
Result File : C:\TC4\GC15\O17A121.RST
Inst Method : C:\TC4\GC15\METHODS\O17C6-C8 from C:\TC4\GC15\O17A121.RST
Proc Method : C:\TC4\GC15\METHODS\O17C6-C8
Calib Method : C:\TC4\GC15\METHODS\O17C6-C8
Sequence File : C:\TC4\GC15\O17.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
2.72	SOLV PK	56834	8.8679	0.0000	-----
7.26	SURR TFT	45479	0.0407	0.0400	1.8
8.44	GASOLINE RANGE	583484	1.1576	1.0000	15.8
		685797			

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
2.98	C6-C7	428273	1.1962	0.0000	-----
8.44	C7-C8	155211	1.0645	0.0000	-----
		583484			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O17A121.TX0

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

Time : 10/20/00 02:24 AM
Study :

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

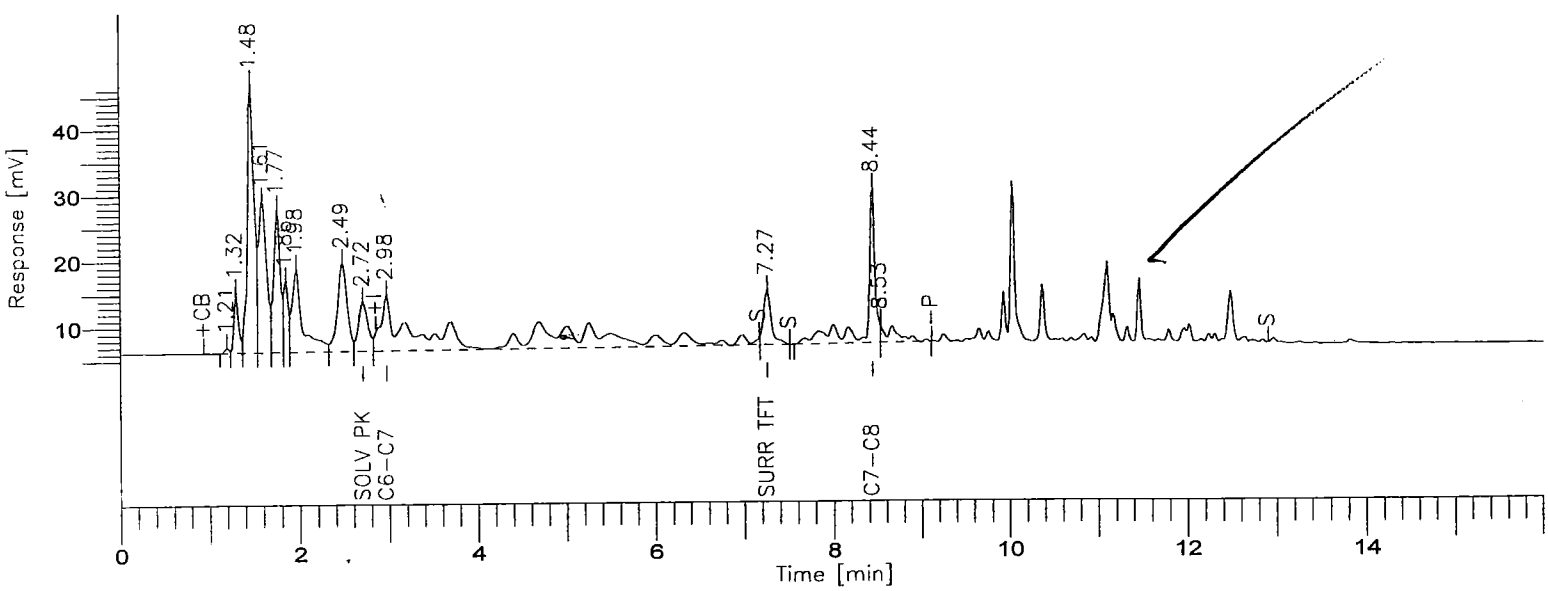
Channel : A A/D mV Range : 1000

Interface Serial # : 0269512307 Data Acquisition Time: 10/20/00 02:08 AM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O17A104.RAW
Result File : C:\TC4\GC15\O17A104.RST
Inst Method : C:\TC4\GC15\METHODS\O17C6-C8 from C:\TC4\GC15\O17A104.RST
Proc Method : C:\TC4\GC15\METHODS\O17C6-C8
Calib Method : C:\TC4\GC15\METHODS\O17C6-C8
Sequence File : C:\TC4\GC15\O17.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
2.72	SOLV PK	54698	8.5345	0.0000	-----
7.27	SURR TFT	48655	0.0428	0.0400	7.0
8.44	GASOLINE RANGE	563933	1.1201	1.0000	12.0
		667285			

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
2.98	C6-C7	411830	1.1516	0.0000	-----
8.44	C7-C8	152103	1.0441	0.0000	-----
		563933			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O17A104.TXO

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

Time : 10/20/00 04:49 PM
Study :

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

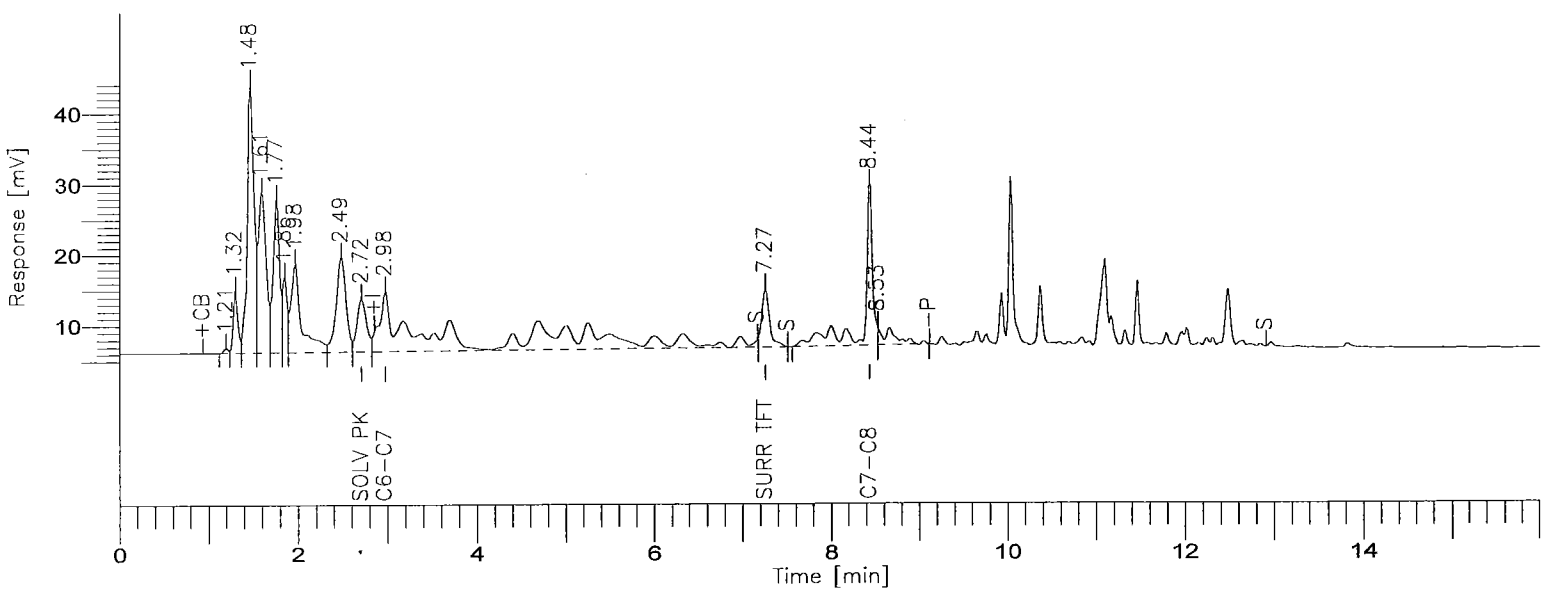
Channel : A A/D mV Range : 1000

Interface Serial # : 0269512307 Data Acquisition Time: 10/20/00 04:33 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O17A129.RAW
Result File : C:\TC4\GC15\O17A129.RST
Inst Method : C:\TC4\GC15\METHODS\O17C6-C8 from C:\TC4\GC15\O17A129.RST
Proc Method : C:\TC4\GC15\METHODS\O17C6-C8
Calib Method : C:\TC4\GC15\METHODS\O17C6-C8
Sequence File : C:\TC4\GC15\O17.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
2.72	SOLV PK	55474	8.6556	0.0000	-----
7.27	SURR TFT	49326	0.0432	0.0400	8.1
8.44	GASOLINE RANGE	569994	1.1318	1.0000	13.2
		674794			

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
2.98	C6-C7	418527	1.1698	0.0000	-----
8.44	C7-C8	151467	1.0400	0.0000	-----
		569994			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O17A129.TX0

Lot/Sample: E0J180000-380B INTRA-LAB BLANK TICs.....: N Report Results: Y
WO#.....: DNC38-1-AA 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: 10/12/00
Inject Time..: 18:00 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O12A004
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/09/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/18 16:11:12
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/12-10/13/00
QC Batch.....: 0292380
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			0.1745	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	0.1885	94.25		

Notes:

J Estimated result. Result is less than RL.

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

Time : 10/16/00 09:49 AM
Study :

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

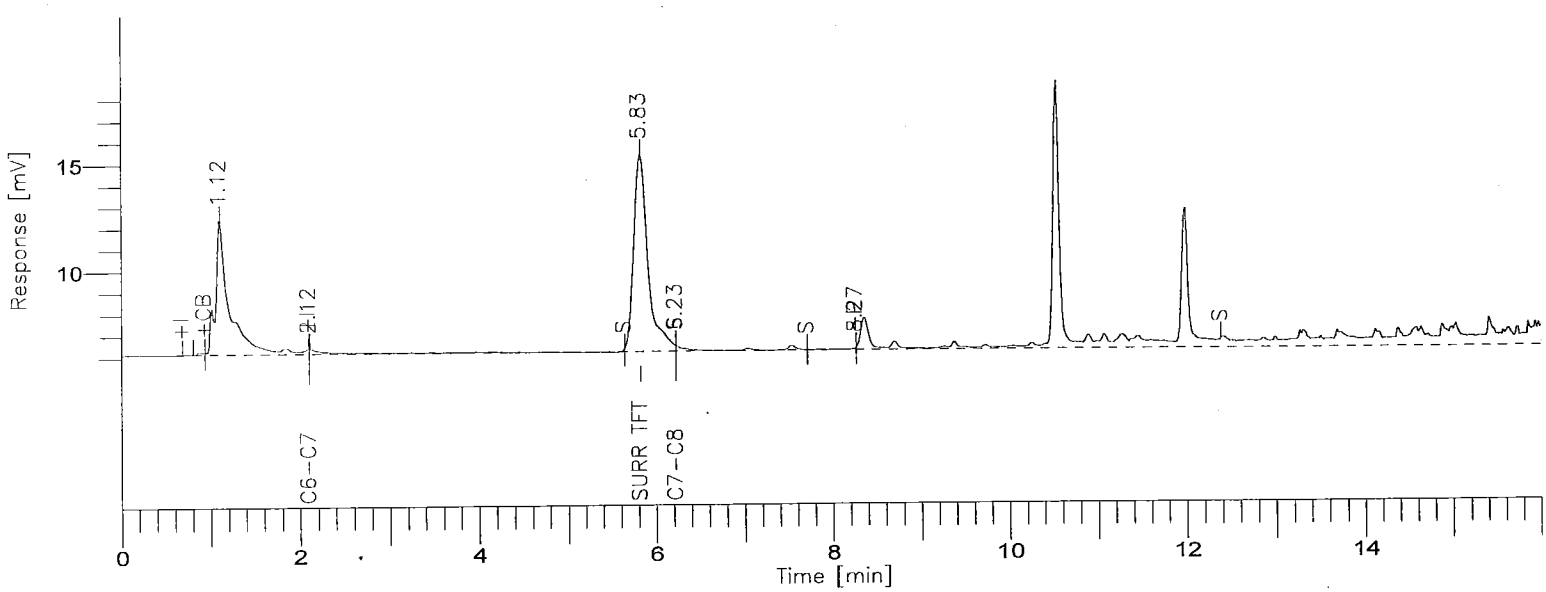
Channel : A A/D mV Range : 1000

Interface Serial # : 0269512307 Data Acquisition Time: 10/12/00 06:00 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O12A004.RAW
Result File : C:\TC4\GC15\O12A004.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O12A004.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Calib Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Sequence File : C:\TC4\GC15\O12.SEQ

Sample Volume : 1.0000 ml
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.83	SURR TFT	103209	0.1885	94.3	0.00		0.0377
6.23	GASOLINE RANGE	7352	0.1745	-----	1.00		0.0349
		110561					0.0726

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
2.12	C6-C7	3730	0.1300	-----	0.00		0.0260
6.23	C7-C8	3622	0.2455	-----	0.00		0.0491
		7352					0.0751

[illegible] - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O12A004.TX0

Lot/Sample: E0J180000-380C INTRA-LAB CHECK TICs.....: N Report Results: Y
WO#.....: DNC38-1-AC 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: 10/12/00
Inject Time..: 17:31 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O12A003
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/09/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/18 14:34:08
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/12-10/13/00
QC Batch.....: 0292380
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	4.9555	99.11	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	0.2549	127.45		

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

Time : 10/16/00 09:49 AM
Study :

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

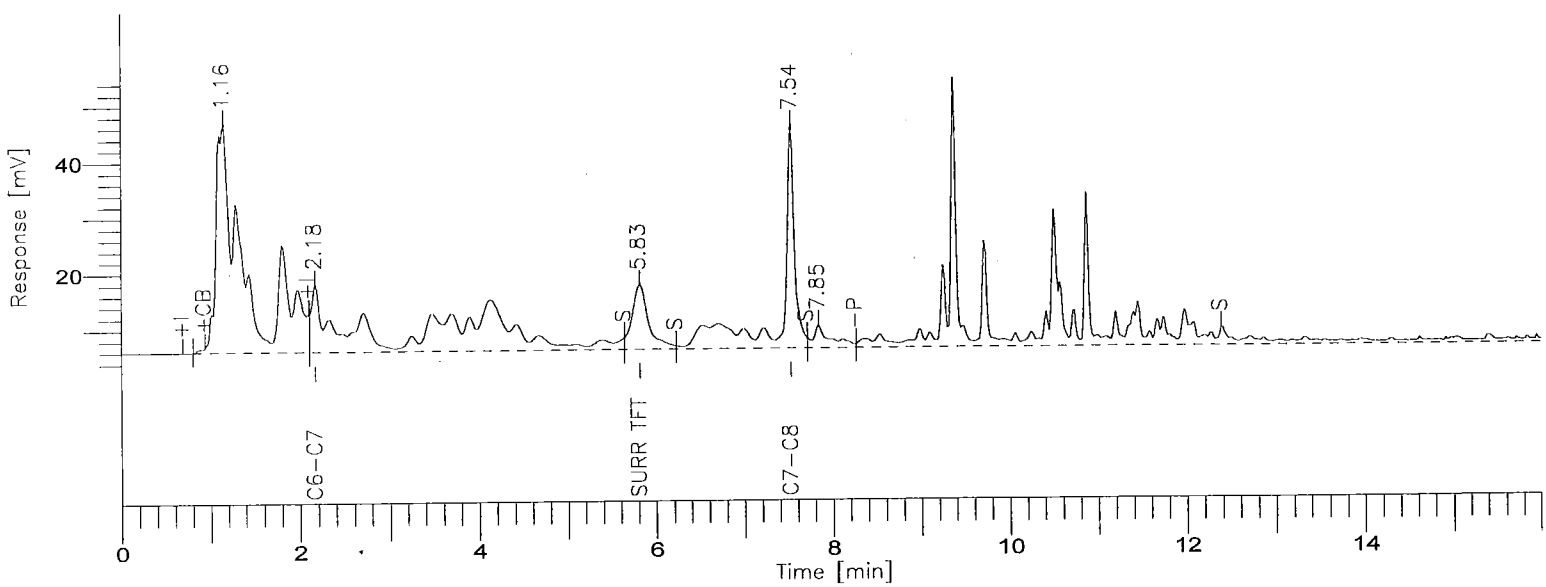
Channel : A A/D mV Range : 1000

Interface Serial # : 0269512307 Data Acquisition Time: 10/12/00 05:31 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O12A003.RAW
Result File : C:\TC4\GC15\O12A003.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O12A003.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Calib Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Sequence File : C:\TC4\GC15\O12.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	148188	0.2549	0.2000	127.5		0.0510
7.54	GASOLINE RANGE	1119646	4.9555	5.0000	99.1		0.9911
		1267834					1.0421

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	QC Spike (ppm)	QC % REC	FN	Raw Amount (ppm)
2.18	C6-C7	706331	5.0418	0.0000	-----		1.0084
7.54	C7-C8	413315	4.8178	0.0000	-----		0.9636
		1119646					1.9719

S[illegible] - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O12A003.TX0

Lot/Sample: E0J090227-001 C-2-99-5 TICs.....: N Report Results: Y
WO#.....: DLTCA-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: 10/12/00
Inject Time..: 18:28 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O12A005
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/09/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/18 16:11:33
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/12-10/13/00
QC Batch.....: 0292380
MS Run Number: 0292177
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			0.1585 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	0.1528	76.4		

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.

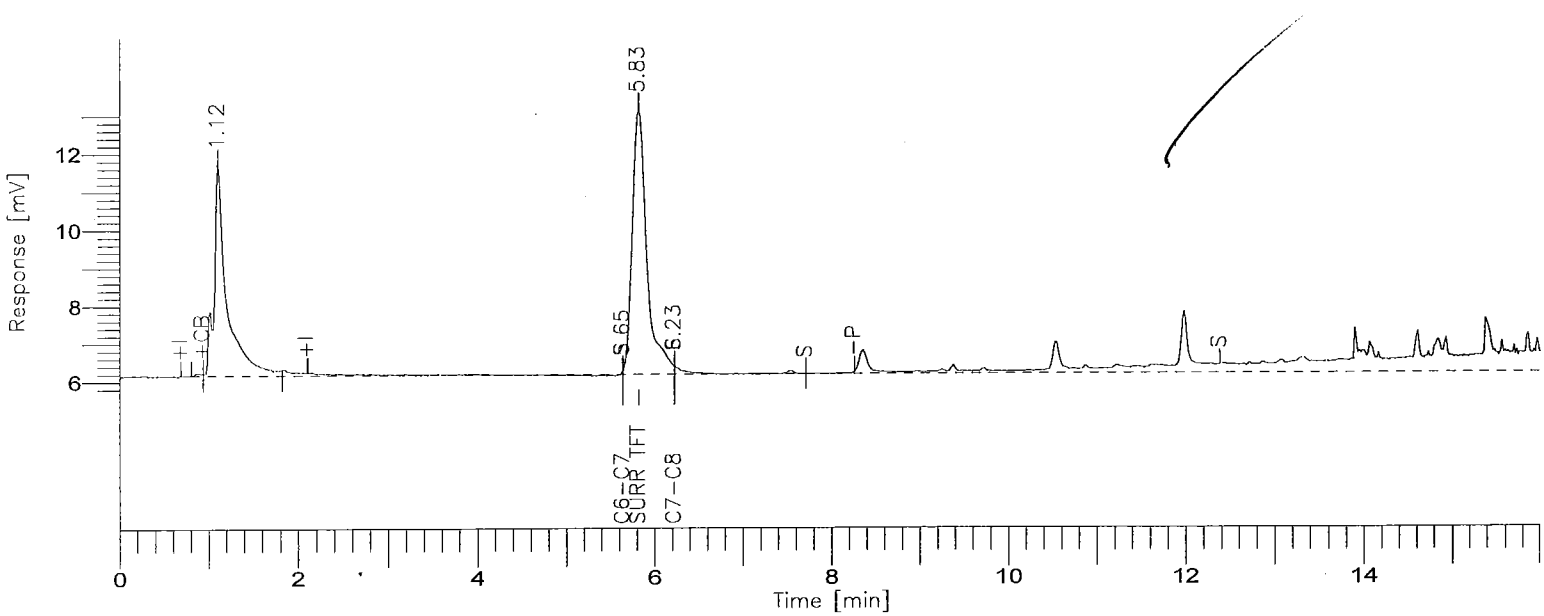
Software Version: 4.1<2F12>
Sample Name : J090227-1 Time : 10/16/00 09:49 AM
Sample Number: 227-1 Study :
Operator :

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

Interface Serial # : 0269512307 Data Acquisition Time: 10/12/00 06:28 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O12A005.RAW
Result File : C:\TC4\GC15\O12A005.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O12A005.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Calib Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Sequence File : C:\TC4\GC15\O12.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)
5.83	SURR TFT	79005	0.1528	76.4	0.00		0.0306
6.23	GASOLINE RANGE	3641	0.1585	-----	1.00		0.0317
		82646					0.0623

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.65	C6-C7	1929	0.1174	-----	0.00		0.0235
6.23	C7-C8	1712	0.2242	-----	0.00		0.0448
		3641					0.0683

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O12A005.TX0

Lot/Sample: E0J090227-002 C-2-99-10 TICs.....: N Report Results: Y
WO#.....: DLTCE-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: 10/12/00
Inject Time..: 18:57 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O12A006
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/09/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/18 16:11:48
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/12-10/13/00
QC Batch.....: 0292380
MS Run Number: 0292177
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			0.1543 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	0.1804	90.2		

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 : J090227-2
Sample Number: 227-2
Operator :

Time : 10/16/00 09:49 AM
Study :

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

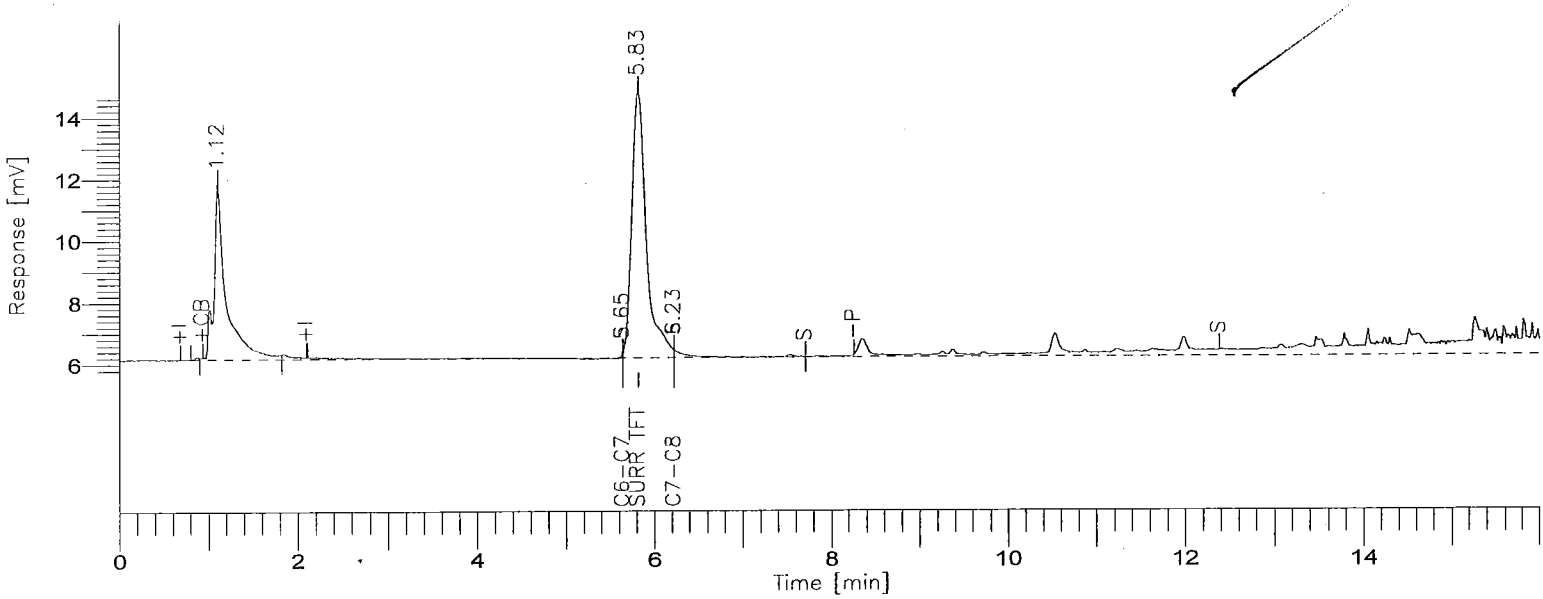
Channel : A A/D mV Range : 1000

Interface Serial # : 0269512307 Data Acquisition Time: 10/12/00 06:57 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O12A006.RAW
Result File : C:\TC4\GC15\O12A006.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O12A006.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Calib Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Sequence File : C:\TC4\GC15\O12.SEQ

Sample Volume : 1.0000 ml
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.83	SURR TFT	97698	0.1804	90.2	0.00		0.0361
6.23	GASOLINE RANGE	2649	0.1543	-----	1.00		0.0309
		100347					0.0669

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.65	C6-C7	628	0.1083	-----	0.00		0.0217
6.23	C7-C8	2021	0.2277	-----	0.00		0.0455
		2649					0.0672

S[illegible], - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O12A006.TX0

Lot/Sample: E0J090227-003 C-2-99-15 TICs.....: N Report Results: Y
WO#.....: DLTCF-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: 10/12/00
Inject Time..: 19:25 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O12A007
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/09/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/18 16:17:30
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/12-10/13/00
QC Batch.....: 0292380
MS Run Number: 0292177
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
J5134	C6-C8			0.1640 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	0.1780	89		

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.

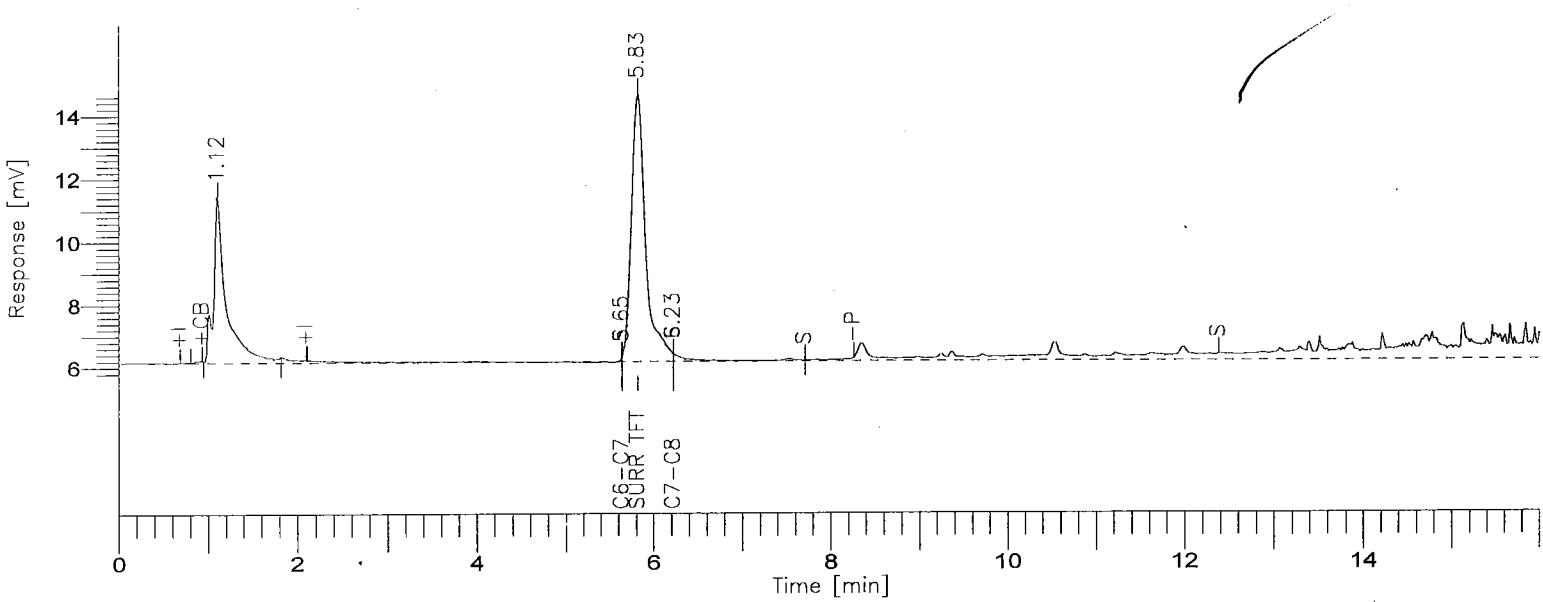
Software Version: 4.1<2F12>
Sample Name : J090227-3 Time : 10/16/00 09:49 AM
Sample Number: 227-3 Study :
Operator :

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

Interface Serial # : 0269512307 Data Acquisition Time: 10/12/00 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\O12A007.RAW
Result File : C:\TC4\GC15\O12A007.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O12A007.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Calib Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Sequence File : C:\TC4\GC15\O12.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

000710

BOE-C6-0149828

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.83	SURR TFT	96125	0.1780	89.0	0.00		0.0356
6.23	GASOLINE RANGE	4908	0.1640	-----	1.00		0.0328
		101033					0.0684

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.65	C6-C7	2085	0.1185	-----	0.00		0.0237
6.23	C7-C8	2823	0.2366	-----	0.00		0.0473
		4908					0.0710

- LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O12A007.TX0

Lot/Sample: E0J090227-004 C-2-100-5 TICs.....: N Report Results: Y
WO#.....: DLTCG-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: 10/12/00
Inject Time..: 19:54 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O12A008
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/09/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/18 16:17:43
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/12-10/13/00
QC Batch.....: 0292380
MS Run Number: 0292177
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			0.1786 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	0.1789	89.45		

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.

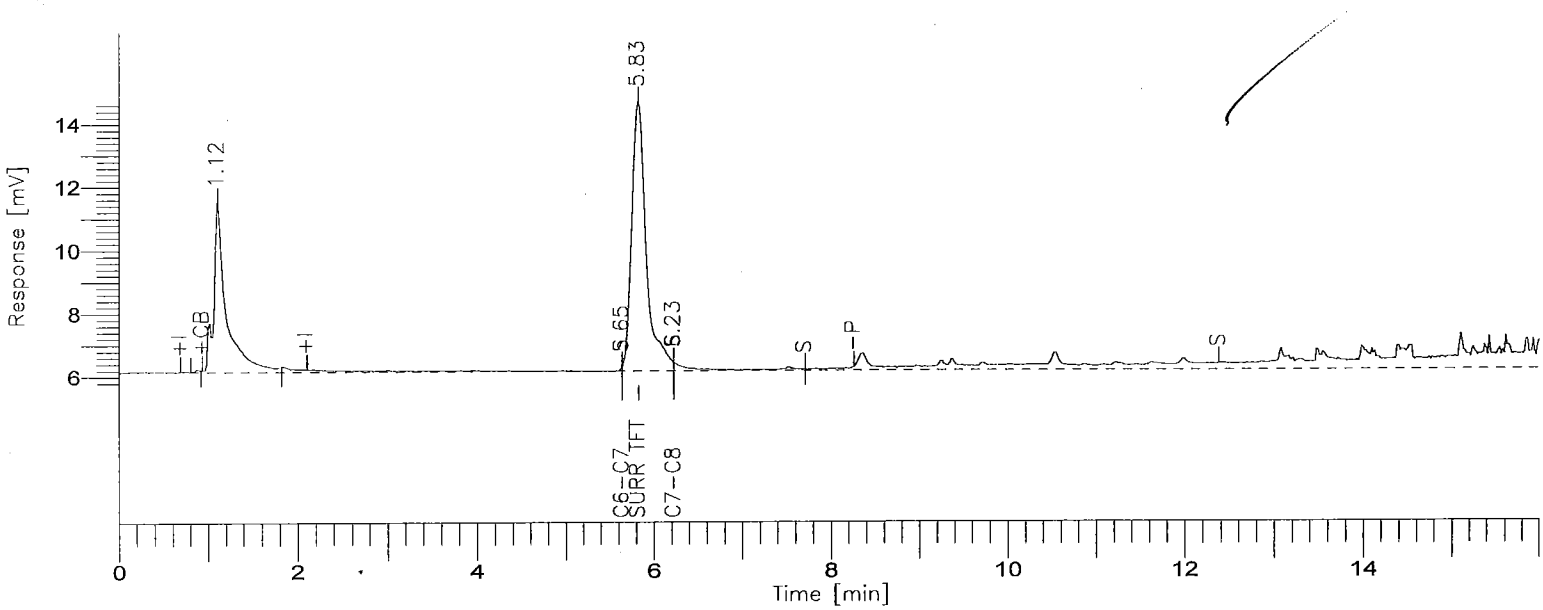
Software Version: 4.1<2F12>
Sample Name : J090227-4 Time : 10/16/00 09:49 AM
Sample Number: 227-4 Study :
Operator :

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

Interface Serial # : 0269512307 Data Acquisition Time: 10/12/00 07:54 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O12A008.RAW
Result File : C:\TC4\GC15\O12A008.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O12A008.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Calib Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Sequence File : C:\TC4\GC15\O12.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

000713

BOE-C6-0149831

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.83	SURR TFT	96724	0.1789	89.5	0.00		0.0358
6.23	GASOLINE RANGE	8300	0.1786	-----	1.00		0.0357
		105024					0.0715

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.65	C6-C7	4140	0.1329	-----	0.00		0.0266
6.23	C7-C8	4160	0.2515	-----	0.00		0.0503
		8300					0.0769

[illegible] - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O12A008.TXO

Lot/Sample: E0J090227-005 C-2-100-10 TICs.....: N Report Results: Y
WO#.....: DLTCH-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: 10/12/00
Inject Time..: 20:22 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O12A009
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/09/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/18 16:17:53
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/12-10/13/00
QC Batch.....: 0292380
MS Run Number: 0292177
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			0.1685 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	0.1846	92.3		

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.

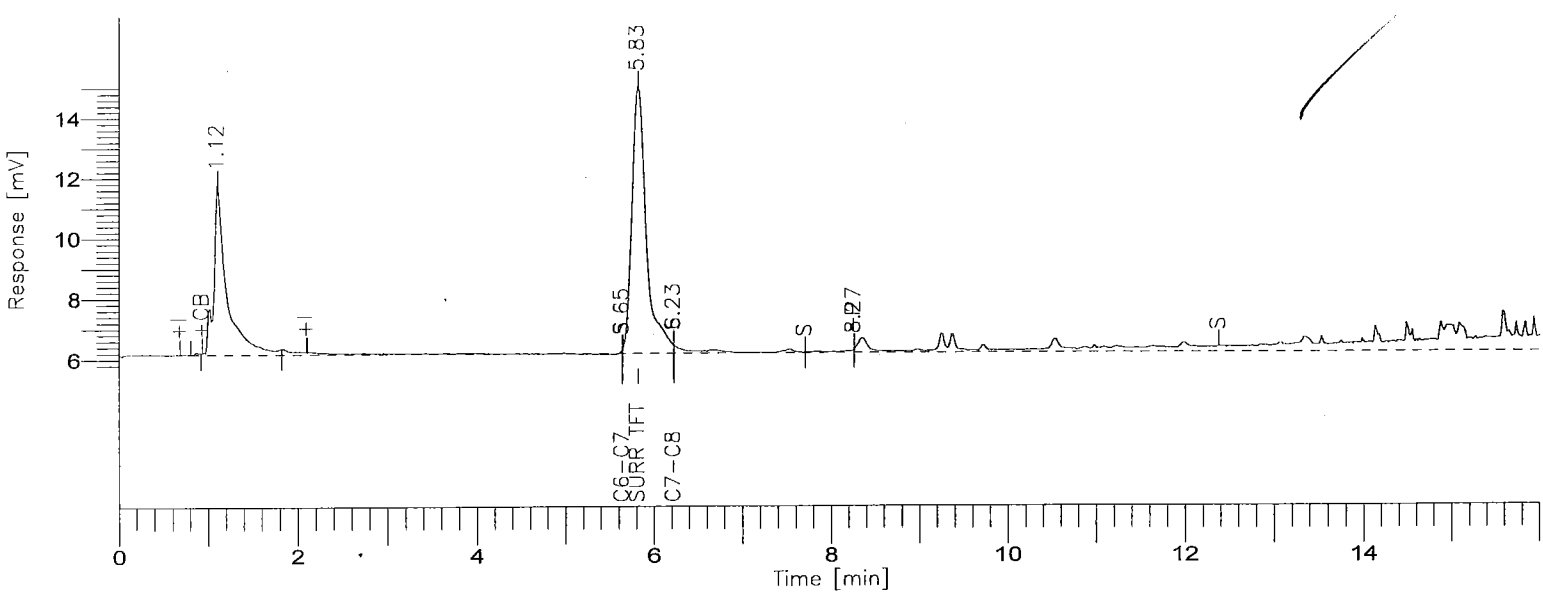
Software Version: 4.1<2F12>
Sample Name : J090227-5 Time : 10/16/00 09:49 AM
Sample Number: 227-5 Study :
erator :

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

Interface Serial # : 0269512307 Data Acquisition Time: 10/12/00 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\O12A009.RAW
Result File : C:\TC4\GC15\O12A009.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O12A009.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Calib Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Sequence File : C:\TC4\GC15\O12.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)
5.83	SURR TFT	100541	0.1846	92.3	0.00		0.0369
6.23	GASOLINE RANGE	5946	0.1685	-----	1.00		0.0337
		106487					0.0706

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.65	C6-C7	1873	0.1170	-----	0.00		0.0234
6.23	C7-C8	4073	0.2506	-----	0.00		0.0501
		5946					0.0735

[illegible] - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O12A009.TX0

Lot/Sample: E0J090227-007 C-2-101-1 TICs.....: N Report Results: Y
WO#.....: DLTCL-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: 10/12/00
Inject Time..: 21:19 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O12A011
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/09/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/18 16:18:06
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/12-10/13/00
QC Batch.....: 0292380
MS Run Number: 0292177
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			0.1931 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	0.1776	88.8		

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.

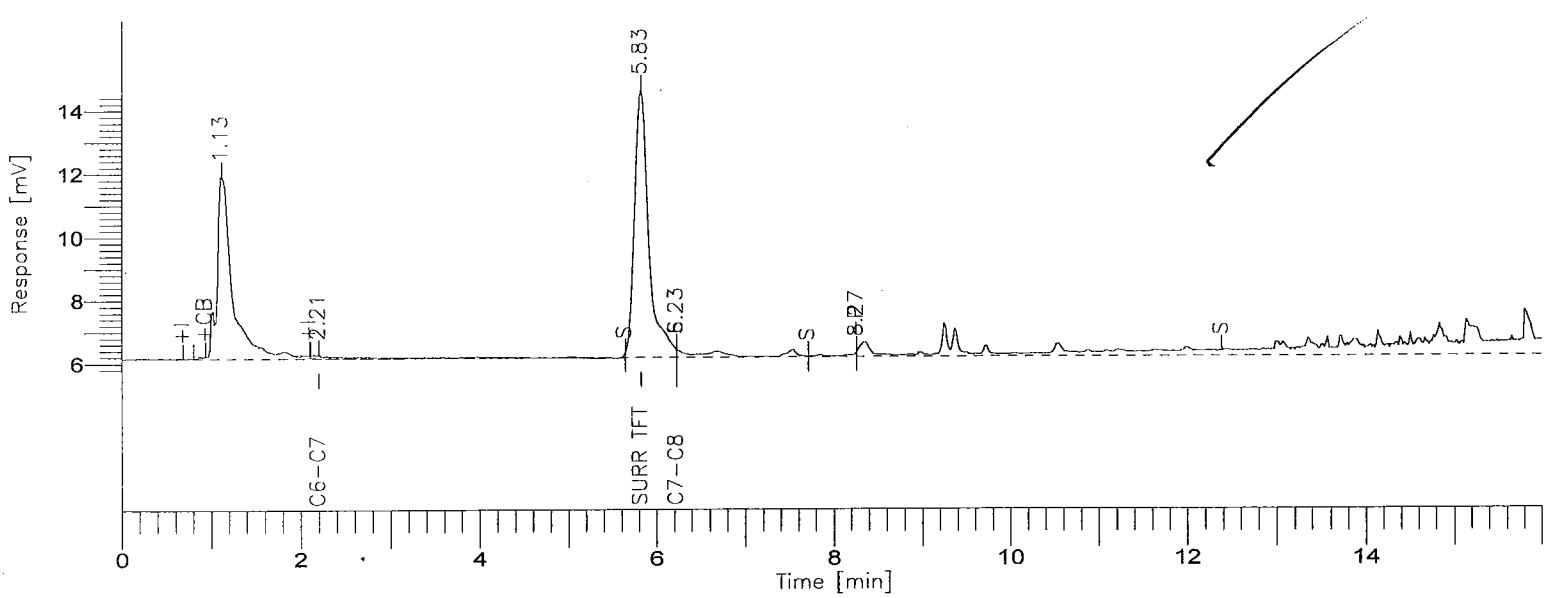
Software Version: 4.1<2F12>
Sample Name : J090227-7 Time : 10/16/00 09:49 AM
Sample Number: 227-7 Study :
Operator :

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

Interface Serial # : 0269512307 Data Acquisition Time: 10/12/00 09:19 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O12A011.RAW
Result File : C:\TC4\GC15\O12A011.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O12A011.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Calib Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Sequence File : C:\TC4\GC15\O12.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)
5.83	SURR TFT	95794	0.1776	88.8	0.00		0.0355
6.23	GASOLINE RANGE	11682	0.1931	-----	1.00		0.0386
		107476					0.0741

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
2.21	C6-C7	5017	0.1390	-----	0.00		0.0278
6.23	C7-C8	6665	0.2795	-----	0.00		0.0559
		11682					0.0837

[illegible] - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O12A011.TX0

Lot/Sample: E0J090227-008 C-2-101-5 TICs.....: N Report Results: Y
WO#.....: DLTCM-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: 10/12/00
Inject Time..: 21:48 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O12A012
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/09/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/18 16:18:15
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/12-10/13/00
QC Batch.....: 0292380
MS Run Number: 0292177
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			0.1773 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	0.1827	91.35		

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.

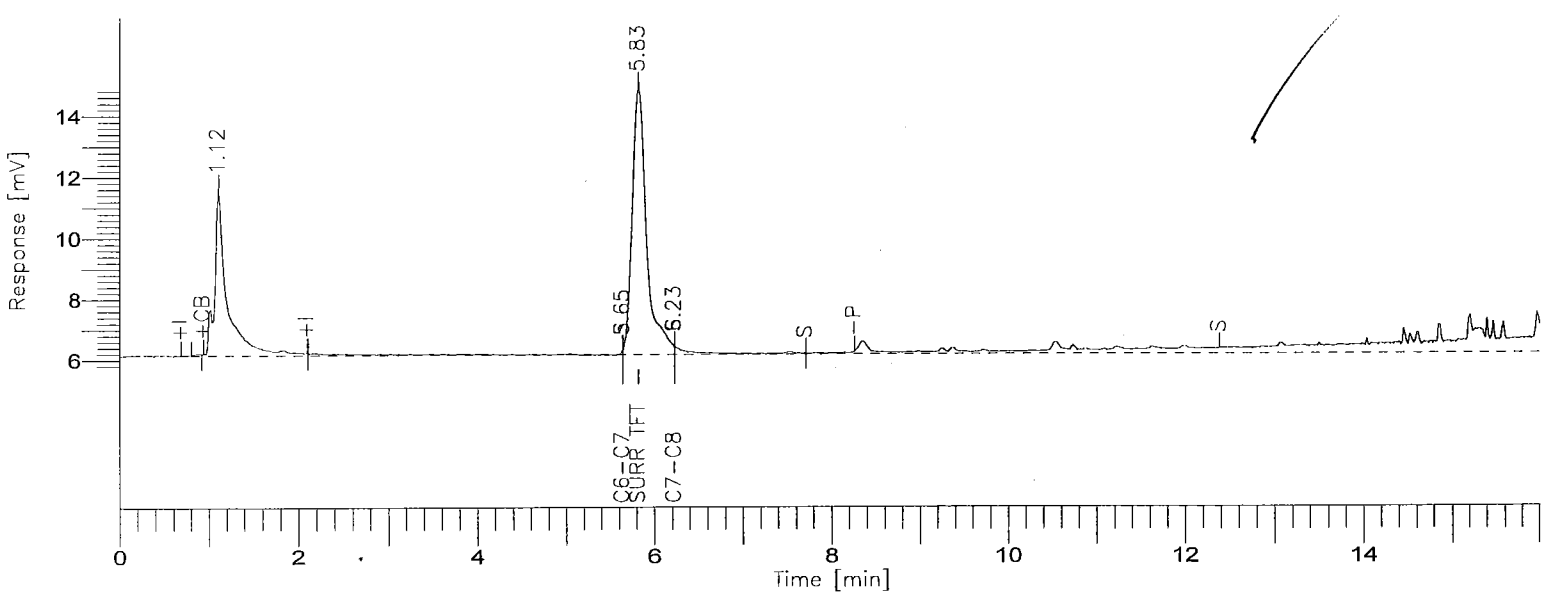
Software Version: 4.1<2F12>
Sample Name : J090227-8 Time : 10/16/00 09:50 AM
Sample Number: 227-8 Study :
Operator :

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

Interface Serial # : 0269512307 Data Acquisition Time: 10/12/00 09:48 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O12A012.RAW
Result File : C:\TC4\GC15\O12A012.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O12A012.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Calib Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Sequence File : C:\TC4\GC15\O12.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

000722

BOE-C6-0149840

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.83	SURR TFT	99290	0.1827	91.4	0.00		0.0365
6.23	GASOLINE RANGE	8010	0.1773	-----	1.00		0.0355
		107300					0.0720

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.65	C6-C7	4104	0.1326	-----	0.00		0.0265
6.23	C7-C8	3906	0.2487	-----	0.00		0.0497
		8010					0.0763

CTL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O12A012.TX0

Lot/Sample: E0J090227-009 C-2-102-5 TICs.....: N Report Results: Y
WO#.....: DLTCN-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: 10/12/00
Inject Time..: 22:16 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O12A013
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/09/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/18 16:18:25
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/12-10/13/00
QC Batch.....: 0292380
MS Run Number: 0292177
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			0.1629 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	0.1792	89.6		

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.

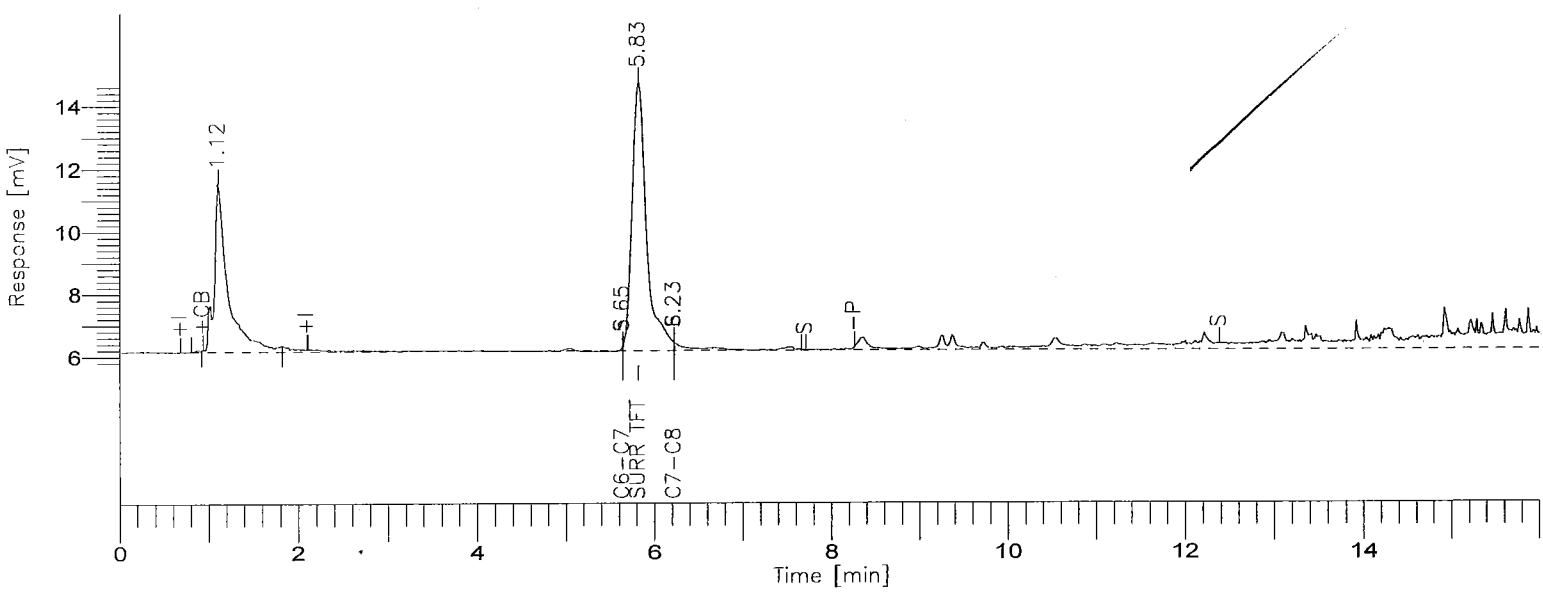
Software Version: 4.1<2F12>
Sample Name : J090227-9 Time : 10/16/00 09:50 AM
Sample Number: 227-9 Study :
Operator :

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

Interface Serial # : 0269512307 Data Acquisition Time: 10/12/00 10:16 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O12A013.RAW
Result File : C:\TC4\GC15\O12A013.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O12A013.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Calib Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Sequence File : C:\TC4\GC15\O12.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)
5.83	SURR TFT	96908	0.1792	89.6	0.00		0.0358
6.23	GASOLINE RANGE	4645	0.1629	-----	1.00		0.0326
		101553					0.0684

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.65	C6-C7	1151	0.1120	-----	0.00		0.0224
6.23	C7-C8	3494	0.2441	-----	0.00		0.0488
		4645					0.0712

Report stored in ASCII file: C:\TC4\GC15\O12A013.TX0

Lot/Sample: E0J090227-010 C-2-103-5 TICs.....: N Report Results: Y
WO#.....: DLTCP-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: 10/12/00
Inject Time..: 22:45 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O12A014
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/09/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/18 16:18:35
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/12-10/13/00
QC Batch.....: 0292380
MS Run Number: 0292177
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			0.1983 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	0.1734	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.

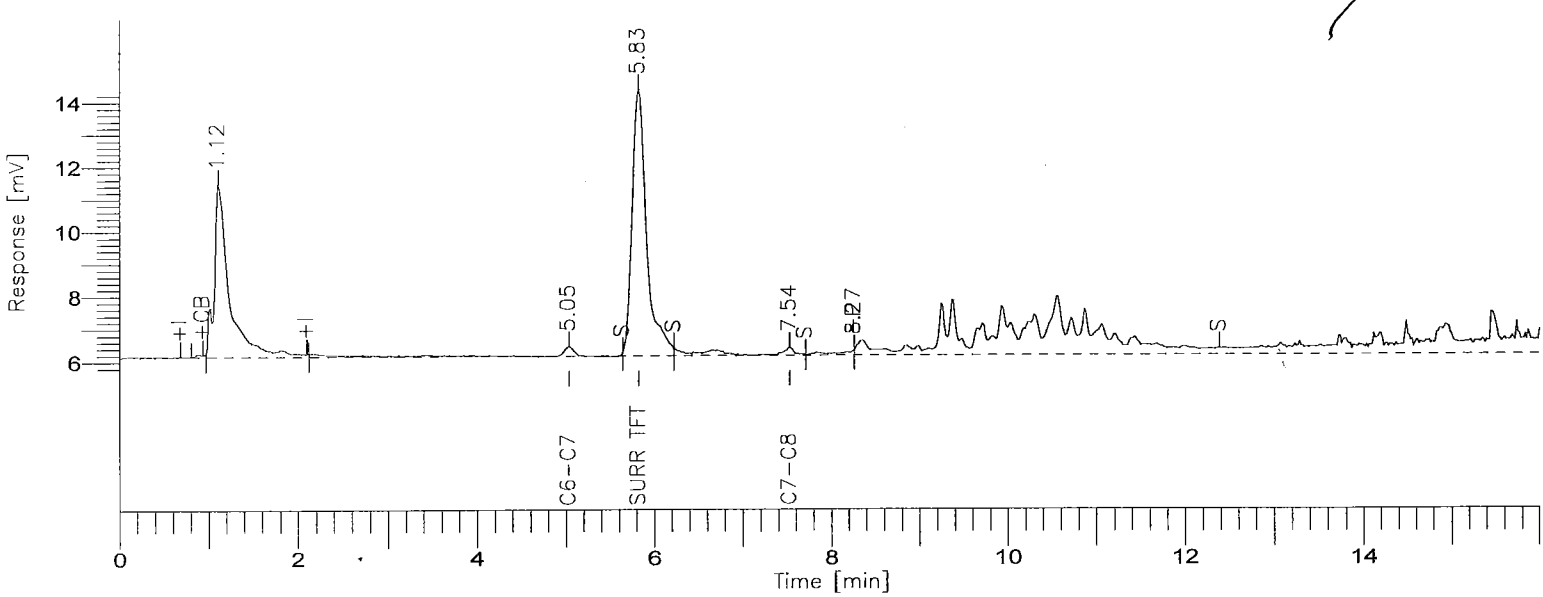
Software Version: 4.1<2F12>
Sample Name : J090227-10 Time : 10/16/00 09:50 AM
Sample Number: 227-10 Study :
C rator :

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

Interface Serial # : 0269512307 Data Acquisition Time: 10/12/00 10:45 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O12A014.RAW
Result File : C:\TC4\GC15\O12A014.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O12A014.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Calib Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Sequence File : C:\TC4\GC15\O12.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	12883	0.1983	-----	1.00		0.0397
5.83	SURR TFT	93001	0.1734	86.7	0.00		0.0347
		105884					0.0743

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	6100	0.1466	-----	0.00		0.0293
7.53	C7-C8	6783	0.2808	-----	0.00		0.0562
		12883					0.0855

S - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O12A014.TX0

Lot/Sample: E0J090227-011 C-2-103-10 TICs.....: N Report Results: Y
WO#.....: DLTCQ-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: 10/13/00
Inject Time..: 0:10 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O12A017
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/09/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/18 16:41:40
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/12-10/13/00
QC Batch.....: 0292380
MS Run Number: 0292177
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			0.1689 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	0.1880	94		

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.

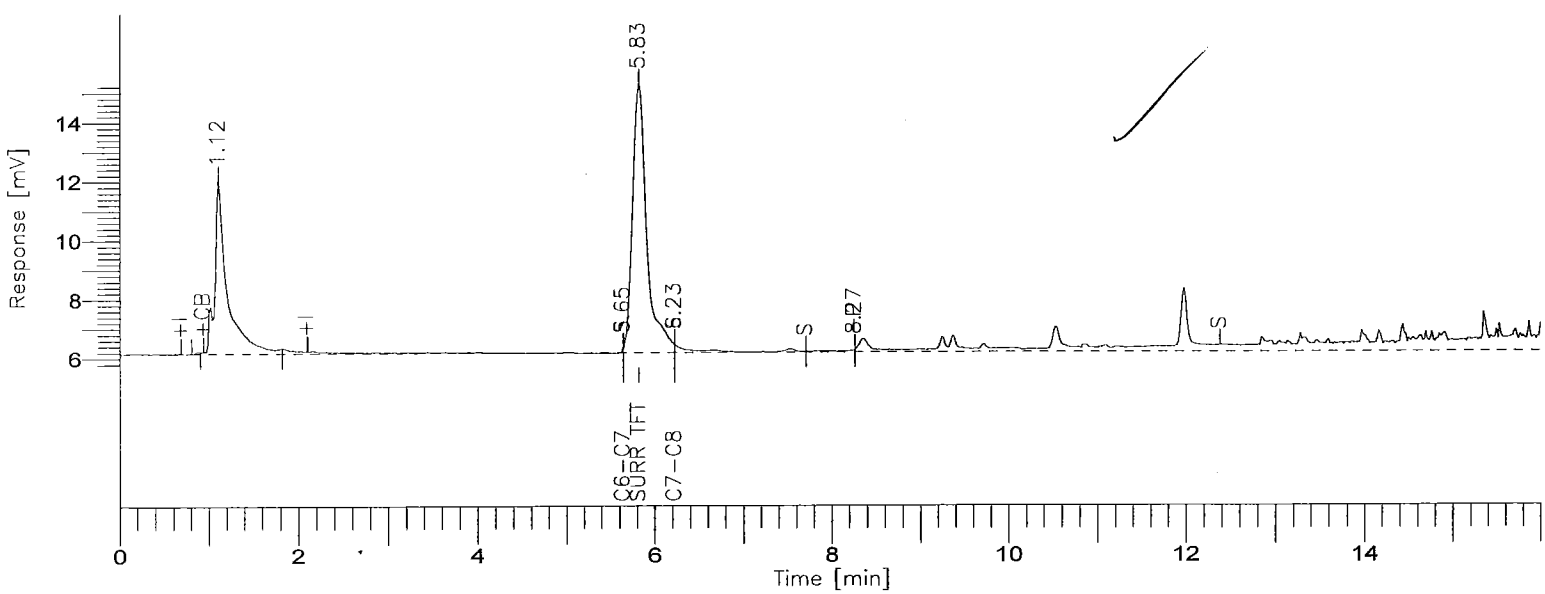
Software Version: 4.1<2F12>
Sample Name : J090227-11 Time : 10/18/00 03:35 PM
Sample Number: 227-11 Study :
Operator :

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

Interface Serial # : 0269512307 Data Acquisition Time: 10/13/00 12:10 AM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O12A017.RAW
Result File : C:\TC4\GC15\O12A017.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O12A017.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Calib Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Sequence File : C:\TC4\GC15\O12.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)
5.83	SURR TFT	102894	0.1880	94.0	0.00		0.0376
6.23	GASOLINE RANGE	6045	0.1689	-----	1.00		0.0338
		108939					0.0714

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.65	C6-C7	2113	0.1187	-----	0.00		0.0237
6.23	C7-C8	3932	0.2490	-----	0.00		0.0498
		6045					0.0735

- LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O12A017.TXO

Lot/Sample: E0J090227-013 C-2-106-1 TICs.....: N Report Results: Y
WO#.....: DLTCT-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: 10/13/00
Inject Time..: 1:07 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O12A019
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/09/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/18 16:21:03
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/12-10/13/00
QC Batch.....: 0292380
MS Run Number: 0292177
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	0.1791	89.55		

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.

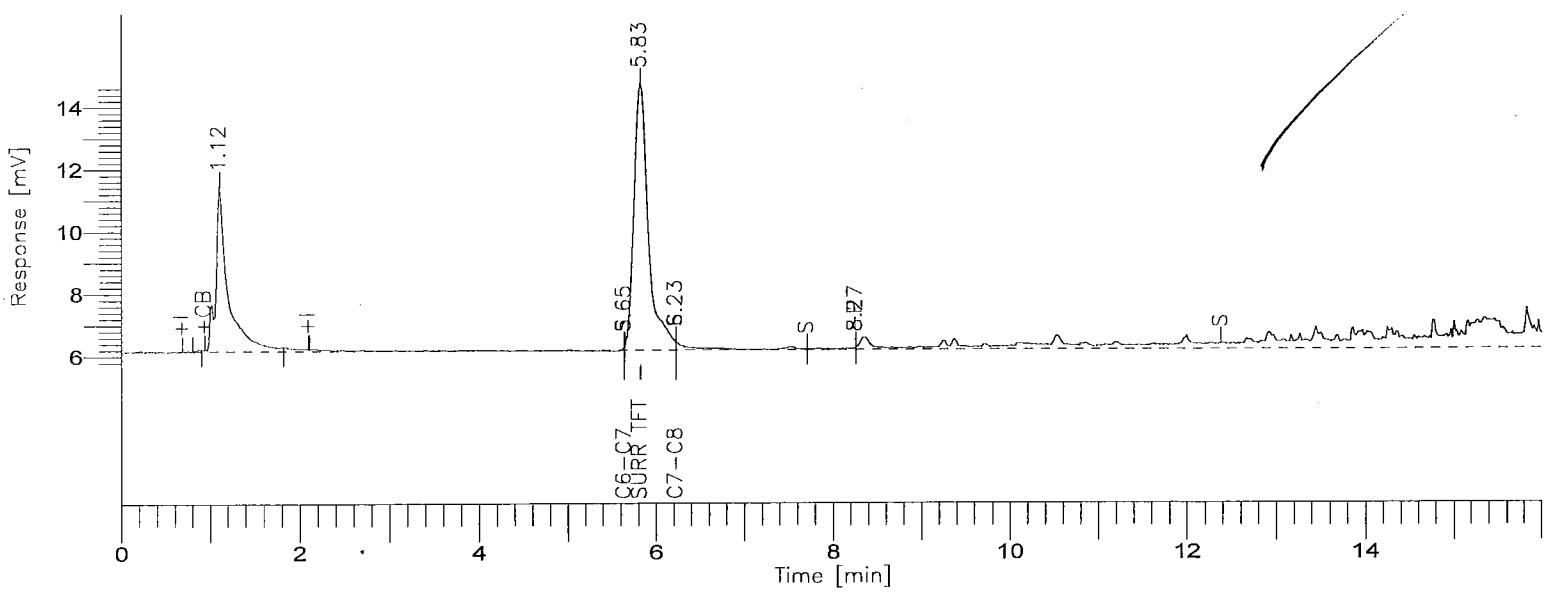
Software Version: 4.1<2F12>
Sample Name : J090227-13 Time : 10/16/00 09:50 AM
Sample Number: 227-13 Study :
Operator :

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

Interface Serial # : 0269512307 Data Acquisition Time: 10/13/00 01:07 AM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O12A019.RAW
Result File : C:\TC4\GC15\O12A019.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O12A019.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Calib Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Sequence File : C:\TC4\GC15\O12.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)
5.83	SURR TFT	96855	0.1791	89.6	0.00		0.0358
6.23	GASOLINE RANGE	3558	0.1582	-----	1.00		0.0316
		100413					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)
5.65	C6-C7	272	0.1058	-----	0.00		0.0212
6.23	C7-C8	3286	0.2418	-----	0.00		0.0484
		3558					0.0695

[illegible] - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O12A019.TX0

Lot/Sample: E0J090227-014 C-2-106-5 TICs.....: N Report Results: Y
WO#.....: DLTCW-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: 10/13/00
Inject Time..: 1:36 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O12A020
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/09/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/18 16:21:27
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/12-10/13/00
QC Batch.....: 0292380
MS Run Number: 0292177
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			0.1670 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	0.1661	83.05		

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.

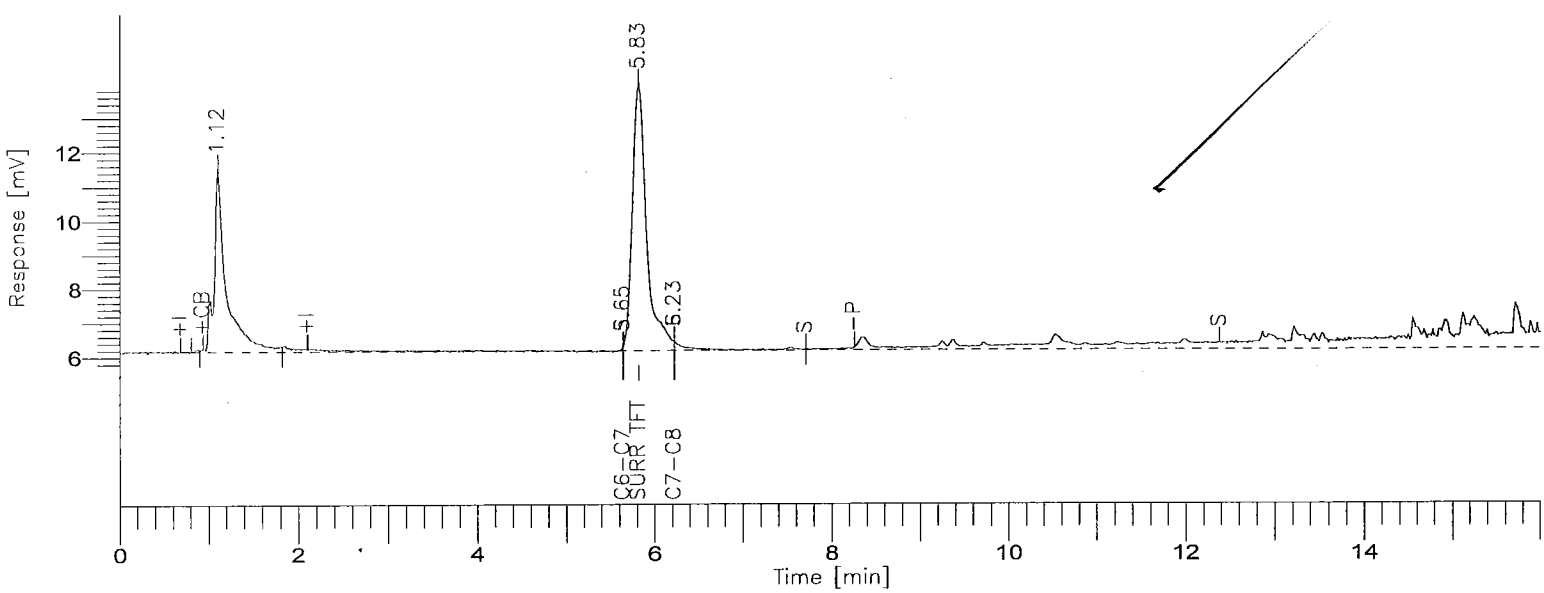
Software Version: 4.1<2F12>
Sample Name : J090227-14 Time : 10/16/00 09:50 AM
Sample Number: 227-14 Study :
Operator :

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

Interface Serial # : 0269512307 Data Acquisition Time: 10/13/00 01:36 AM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O12A020.RAW
Result File : C:\TC4\GC15\O12A020.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O12A020.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Calib Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Sequence File : C:\TC4\GC15\O12.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

000737

BOE-C6-0149855

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.83	SURR TFT	88055	0.1661	83.1	0.00		0.0332
6.23	GASOLINE RANGE	5611	0.1670	-----	1.00		0.0334
		93666					0.0666

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.65	C6-C7	2784	0.1234	-----	0.00		0.0247
6.23	C7-C8	2827	0.2367	-----	0.00		0.0473
		5611					0.0720

Report stored in ASCII file: C:\TC4\GC15\O12A020.TX0

Lot/Sample: E0J090227-019 C-2-109-5 TICs.....: N Report Results: Y
WO#.....: DLTD5-1-03 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: 10/13/00
Inject Time..: 2:04 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O12A021
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/09/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/18 16:21:40
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/12-10/13/00
QC Batch.....: 0292380
MS Run Number: 0292177
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			0.1752 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	0.1849	92.45		

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.

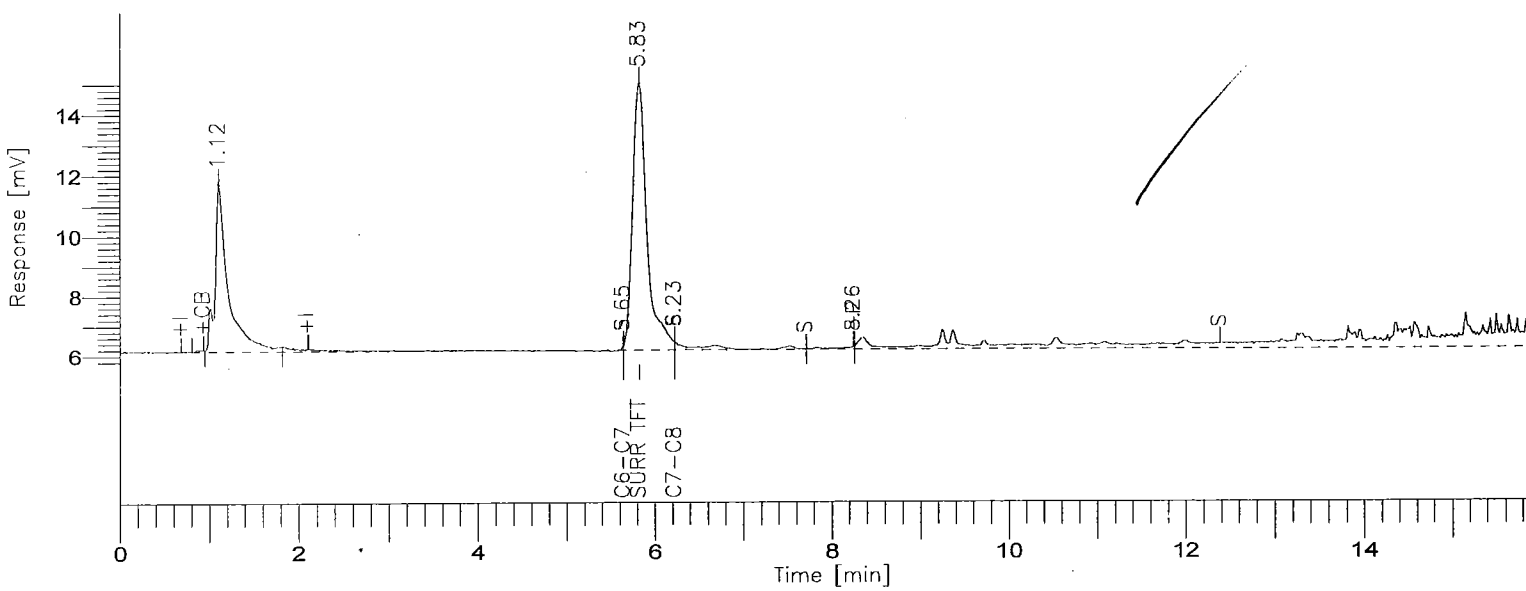
Software Version: 4.1<2F12>
Sample Name : J090227-19 Time : 10/16/00 09:50 AM
Sample Number: 227-19 Study :
Operator :

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

Interface Serial # : 0269512307 Data Acquisition Time: 10/13/00 02:04 AM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O12A021.RAW
Result File : C:\TC4\GC15\O12A021.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O12A021.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Calib Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Sequence File : C:\TC4\GC15\O12.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)
5.83	SURR TFT	100744	0.1849	92.4	0.00		0.0370
6.23	GASOLINE RANGE	7526	0.1752	-----	1.00		0.0350
		108270					0.0720

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.65	C6-C7	2125	0.1188	-----	0.00		0.0238
6.23	C7-C8	5401	0.2654	-----	0.00		0.0531
		7526					0.0768

Report stored in ASCII file: C:\TC4\GC15\O12A021.TX0

Lot/Sample: E0J090227-022 C-2-110-5 TICs.....: N Report Results: Y
WO#.....: DLTD9-1-03 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: 10/13/00
Inject Time..: 3:01 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O12A023
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/09/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/18 16:21:54
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/12-10/13/00
QC Batch.....: 0292380
MS Run Number: 0292177
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			0.1537 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	0.1874	93.7		

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.

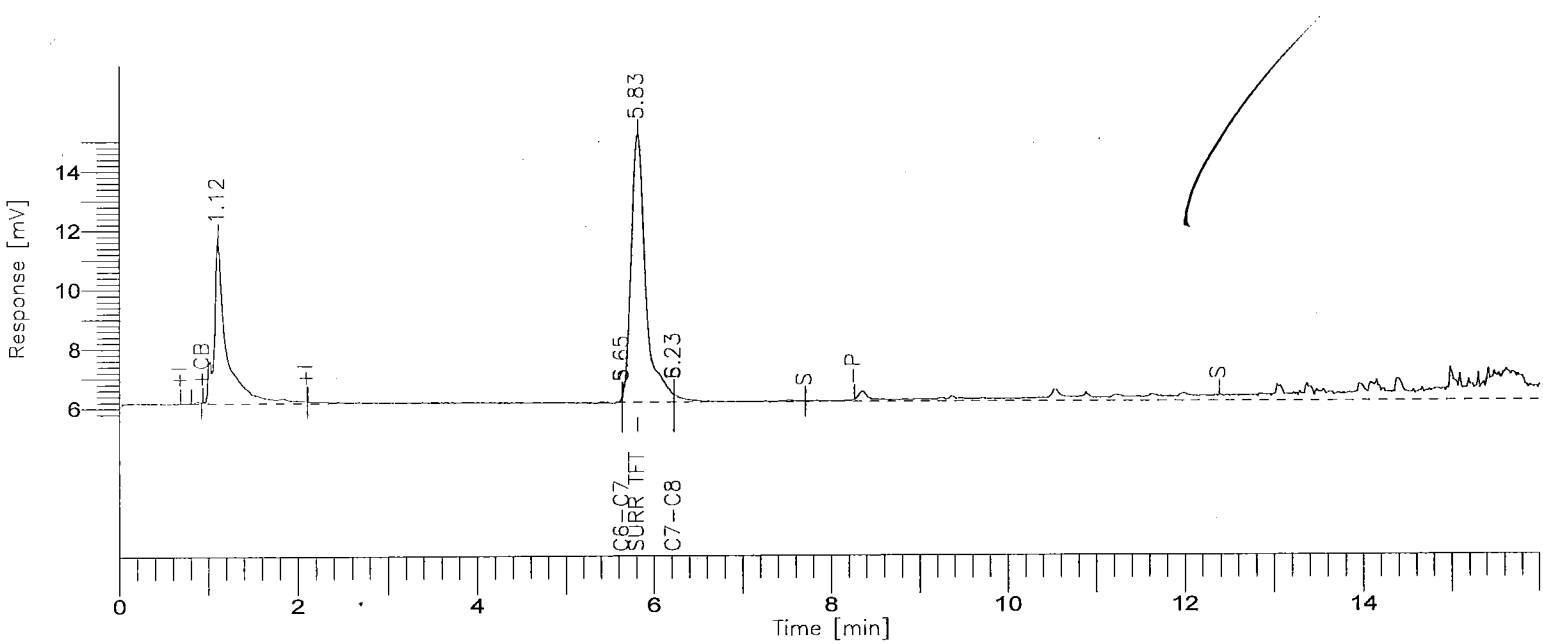
Software Version: 4.1<2F12>
Sample Name : J090227-22 Time : 10/16/00 09:50 AM
Sample Number: 227-22 Study :
Operator :

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

Interface Serial # : 0269512307 Data Acquisition Time: 10/13/00 03:01 AM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O12A023.RAW
Result File : C:\TC4\GC15\O12A023.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O12A023.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Calib Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Sequence File : C:\TC4\GC15\O12.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)
5.83	SURR TFT	102432	0.1874	93.7	0.00		0.0375
6.23	GASOLINE RANGE	2511	0.1537	-----	1.00		0.0307
		104943					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)
5.65	C6-C7	271	0.1058	-----	0.00		0.0212
6.23	C7-C8	2240	0.2301	-----	0.00		0.0460
		2511					0.0672

C[illegible] - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O12A023.TX0

Lot/Sample: E0J090227-025 C-2-112-5 TICs.....: N Report Results: Y
WO#.....: DLTDE-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: 10/13/00
Inject Time..: 3:58 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O12A025
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/09/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/18 16:22:07
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/12-10/13/00
QC Batch.....: 0292380
MS Run Number: 0292177
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			0.1765 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	0.1689	84.45		

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.

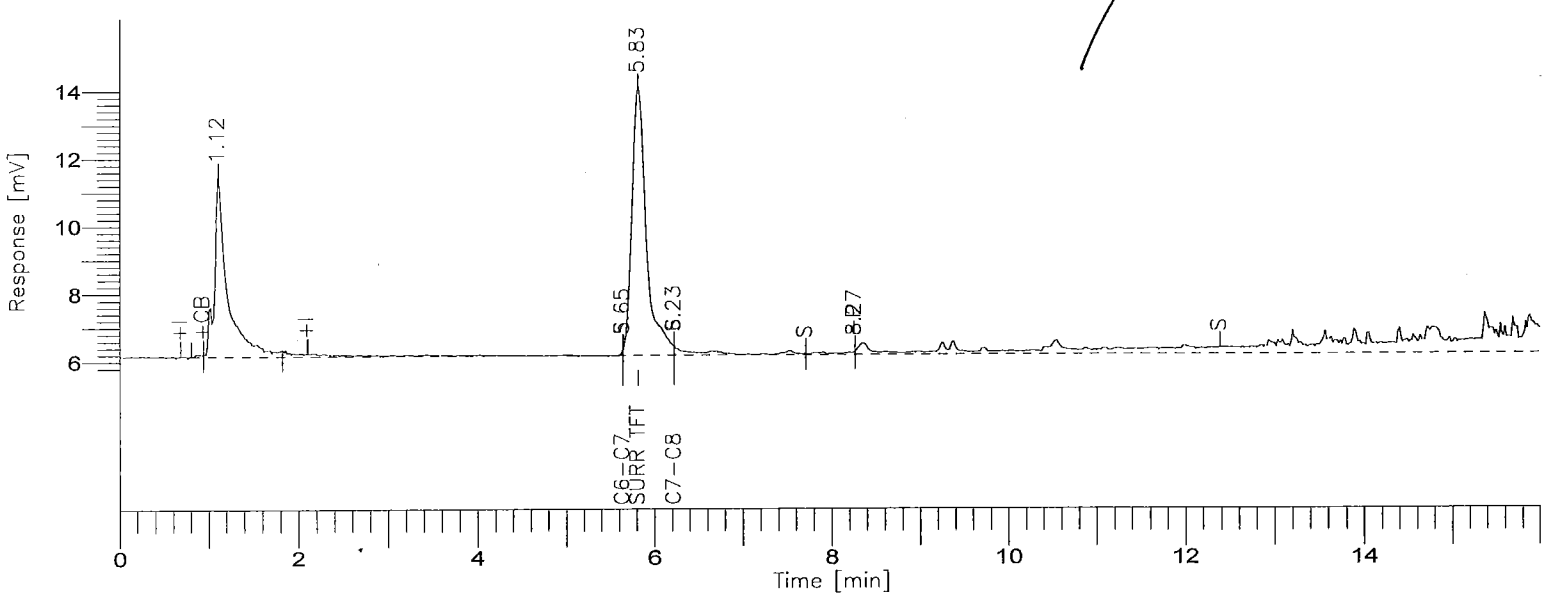
Software Version: 4.1<2F12>
Sample Name : J090227-25 Time : 10/16/00 09:50 AM
Sample Number: 227-25 Study :
Operator :

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

Interface Serial # : 0269512307 Data Acquisition Time: 10/13/00 03:58 AM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O12A025.RAW
Result File : C:\TC4\GC15\O12A025.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O12A025.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Calib Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Sequence File : C:\TC4\GC15\O12.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

000746

BOE-C6-0149864

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.83	SURR TFT	89925	0.1689	84.4	0.00		0.0338
6.23	GASOLINE RANGE	7813	0.1765	-----	1.00		0.0353
		97738					0.0691

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.65	C6-C7	3308	0.1270	-----	0.00		0.0254
6.23	C7-C8	4505	0.2554	-----	0.00		0.0511
		7813					0.0765

[illegible] - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O12A025.TX0

Lot/Sample: E0J090227-001S C-2-99-5 TICs.....: N Report Results: Y
WO#.....: DLTCA-1-2A 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: 10/20/00
Inject Time..: 13:22 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O17A122
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/09/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/17 10:48:14
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/12-10/13/00
QC Batch.....: 0292380
MS Run Number: 0292177
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	5.9266	118.5	4.1		
	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	0.2583	129.15		

Software Version: 4.1<2F12>
Sample Name : J090227-1MS
Sample Number: 227-1MS
Operator :

Time : 10/20/00 01:38 PM
Study : LOW SOIL

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

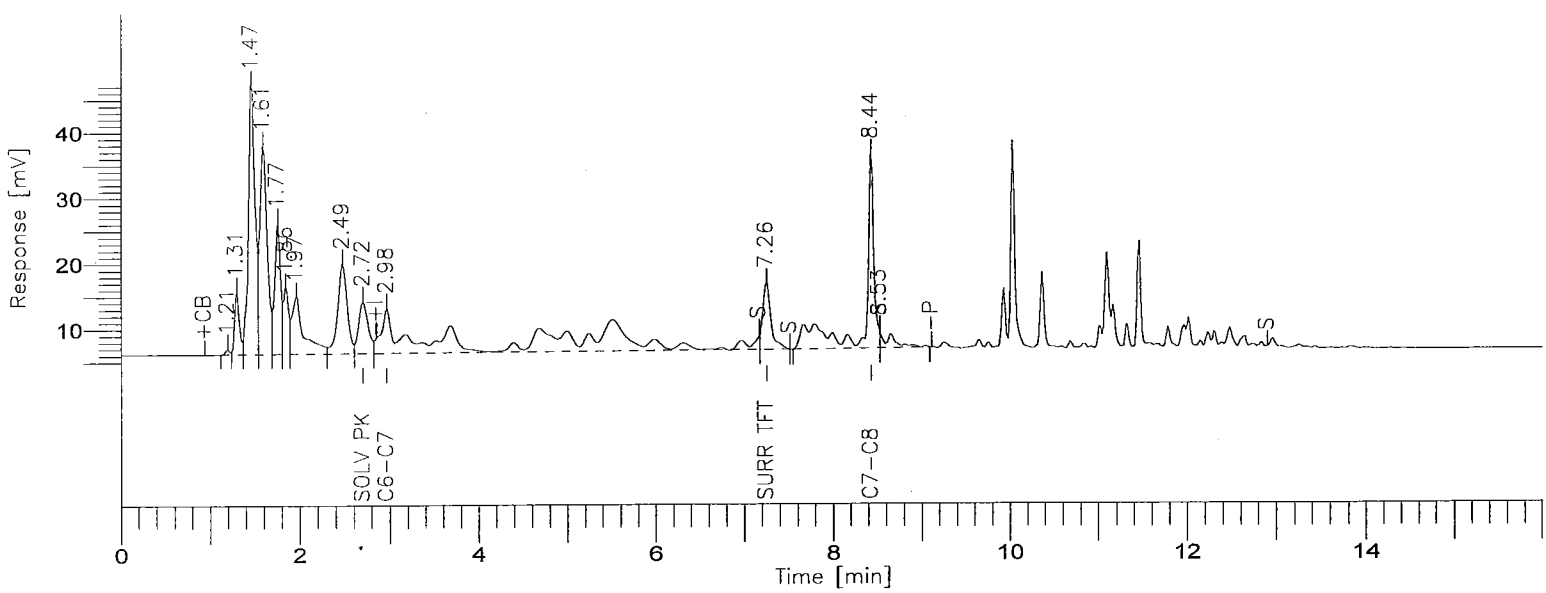
Channel : A A/D mV Range : 1000

Interface Serial # : 0269512307 Data Acquisition Time: 10/20/00 01:22 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O17A122.RAW
Result File : C:\TC4\GC15\O17A122.RST
Inst Method : C:\TC4\GC15\METHODS\O17C6-C8 from C:\TC4\GC15\O17A122.RST
Proc Method : C:\TC4\GC15\METHODS\O17C6-C8
Calib Method : C:\TC4\GC15\METHODS\O17C6-C8
Sequence File : C:\TC4\GC15\O17.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)
2.72	SOLV PK	58366	45.5350	0.0000	-----		9.1070
7.26	SURR TFT	63137	0.2583	0.2000	129.1		0.0517
8.44	GASOLINE RANGE	597941	5.9266	5.0000	118.5		1.1853
		719445					10.3440

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	QC Spike (ppm)	QC % REC	FN	Raw Amount (ppm)
2.98	C6-C7	388650	5.4441	0.0000	-----		1.0888
8.44	C7-C8	209291	7.0915	0.0000	-----		1.4183
		597941					2.5071

SAL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O17A122.TX0

Lot/Sample: E0J090227-001D C-2-99-5 TICs.....: N Report Results: Y
WO#.....: DLTCA-1-2C 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: 10/20/00
Inject Time..: 13:49 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O17A123
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/09/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/17 10:48:14
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/12-10/13/00
QC Batch.....: 0292380
MS Run Number: 0292177
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	6.1747	123.4	4.1		
	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	0.2713	135.65	*	

Notes:

* Surrogate recovery is outside stated control limits.

Software Version: 4.1<2F12>
Sample Name : J090227-1MSD
Sample Number: 227-1MSD
Operator :

Time : 10/20/00 02:05 PM
Study : LOW SOIL

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

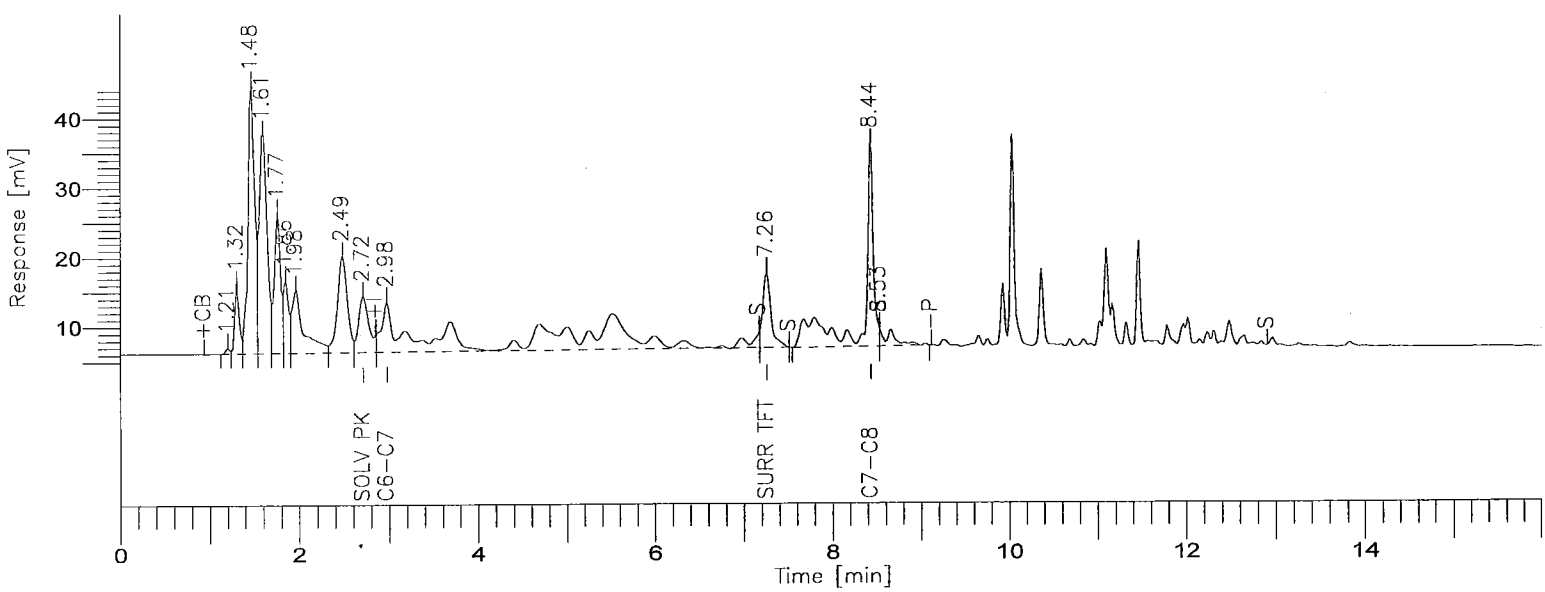
Channel : A A/D mV Range : 1000

Interface Serial # : 0269512307 Data Acquisition Time: 10/20/00 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\O17A123.RAW
Result File : C:\TC4\GC15\O17A123.RST
Inst Method : C:\TC4\GC15\METHODS\O17C6-C8 from C:\TC4\GC15\O17A123.RST
Proc Method : C:\TC4\GC15\METHODS\O17C6-C8
Calib Method : C:\TC4\GC15\METHODS\O17C6-C8
Sequence File : C:\TC4\GC15\O17.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)
2.72	SOLV PK	65907	51.4176	0.0000	-----		10.2835
7.26	SURR TFT	67724	0.2713	0.2000	135.6		0.0543
8.44	GASOLINE RANGE	623836	6.1747	5.0000	123.5		1.2349
		757467					11.5727

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	QC Spike (ppm)	QC % REC	FN	Raw Amount (ppm)
2.98	C6-C7	404234	5.6552	0.0000	-----		1.1310
8.44	C7-C8	219602	7.4288	0.0000	-----		1.4858
		623836					2.6168

SIL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O17A123.TX0

INITIAL CALIBRATION DATA

Date Analyzed: 9-25-00

Instrument ID: G15 C6-C8

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
Sample Number: 50PPB GAS
Operator :

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

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

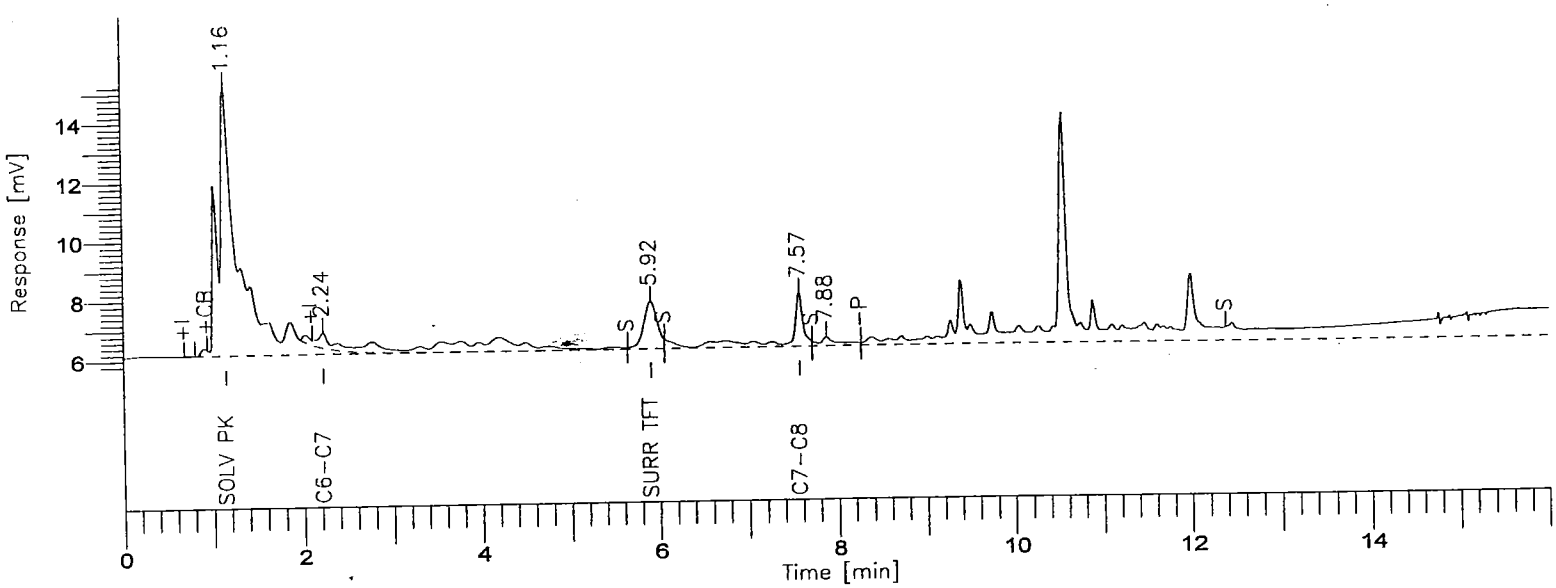
Channel : A A/D mV Range : 1000

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

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

Sample Volume : 1.0000 ml
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



8015B(TVPH)

==========

GC-15/FID COLUMN: DB624

==========

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
Sample Number: 200PPB GAS
Operator :

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

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

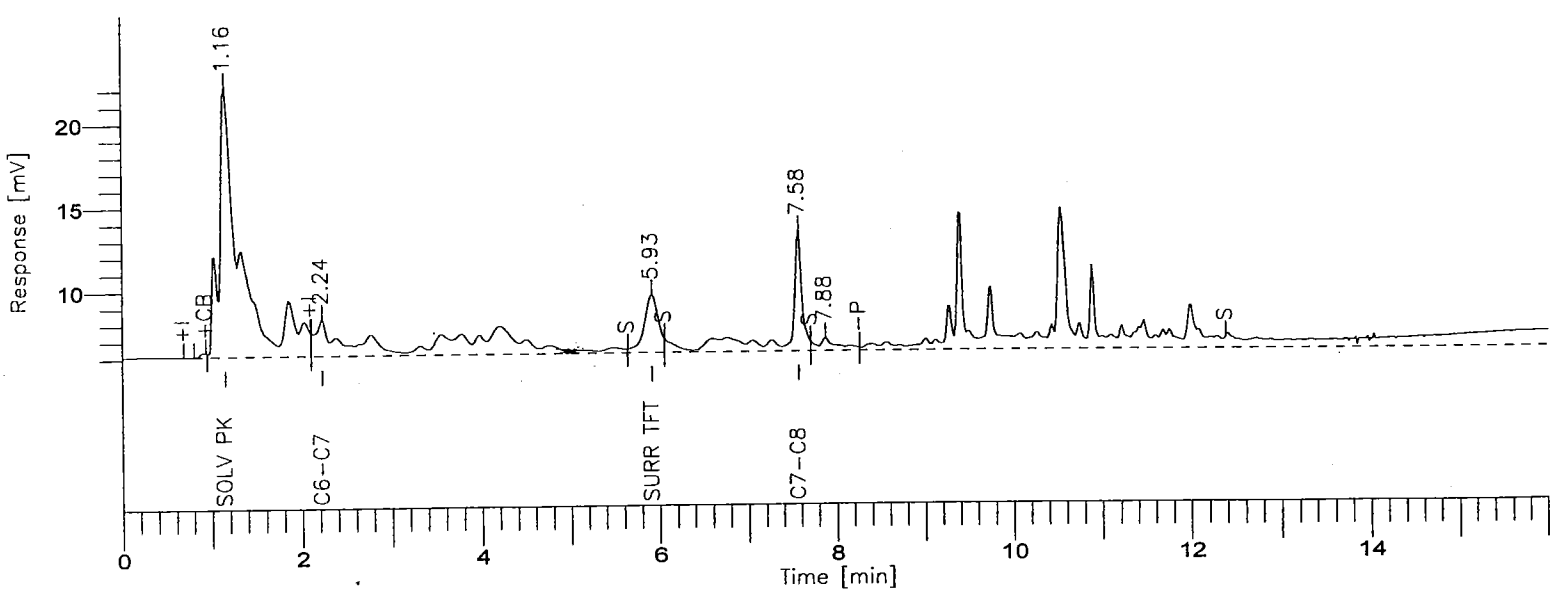
Channel : A A/D mV Range : 1000

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

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

Sample Volume : 1.0000 ml
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

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

S - LOS ANGELES

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

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

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

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

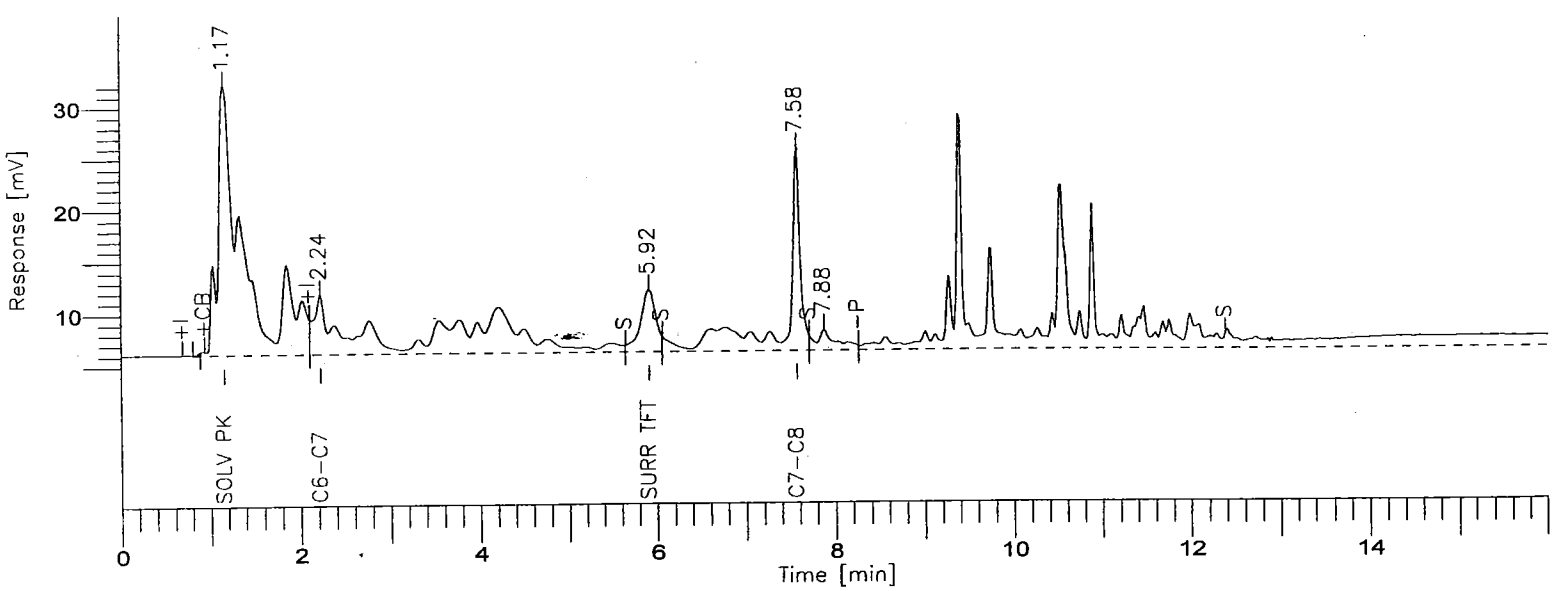
Channel : A A/D mV Range : 1000

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

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

Sample Volume : 1.0000 ml
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

000763

BOE-C6-0149881

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

S-L - LOS ANGELES

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

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

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

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

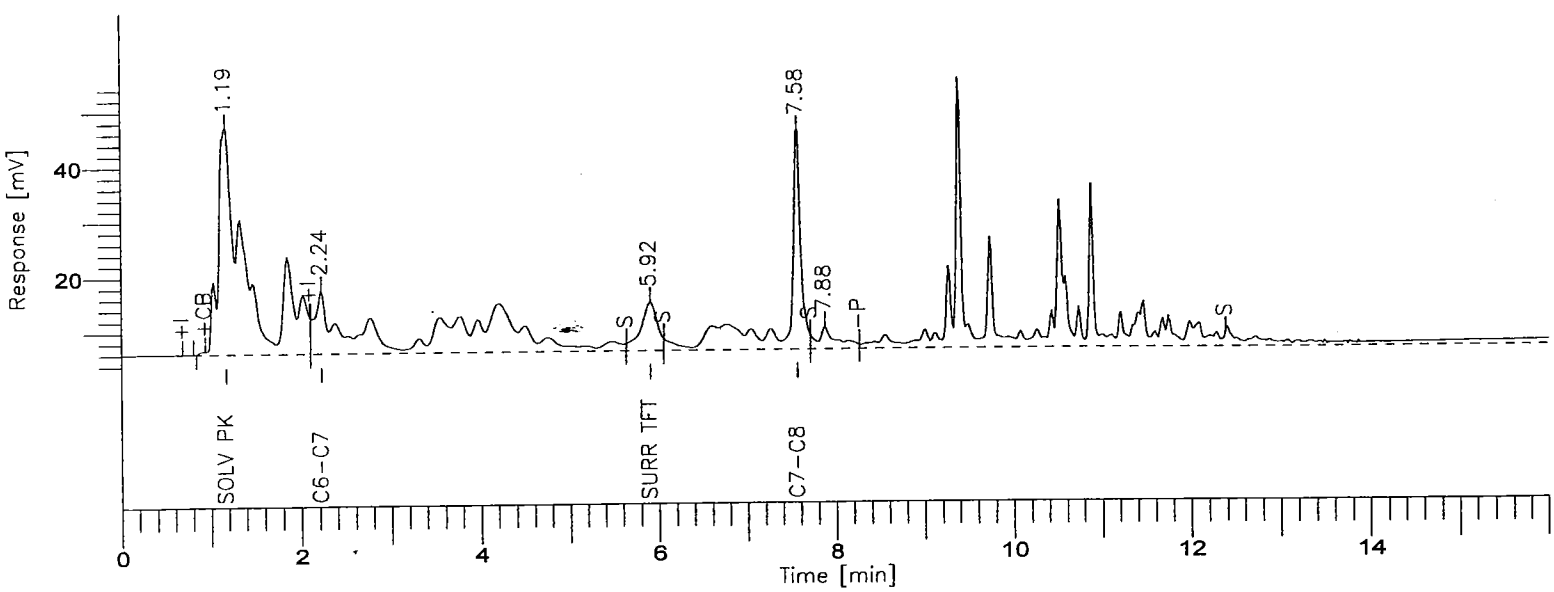
Channel : A A/D mV Range : 1000

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

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

Sample Volume : 1.0000 ml
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

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

Group Report For : GASOLINE RANGE

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

STL - LOS ANGELES

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

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

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

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

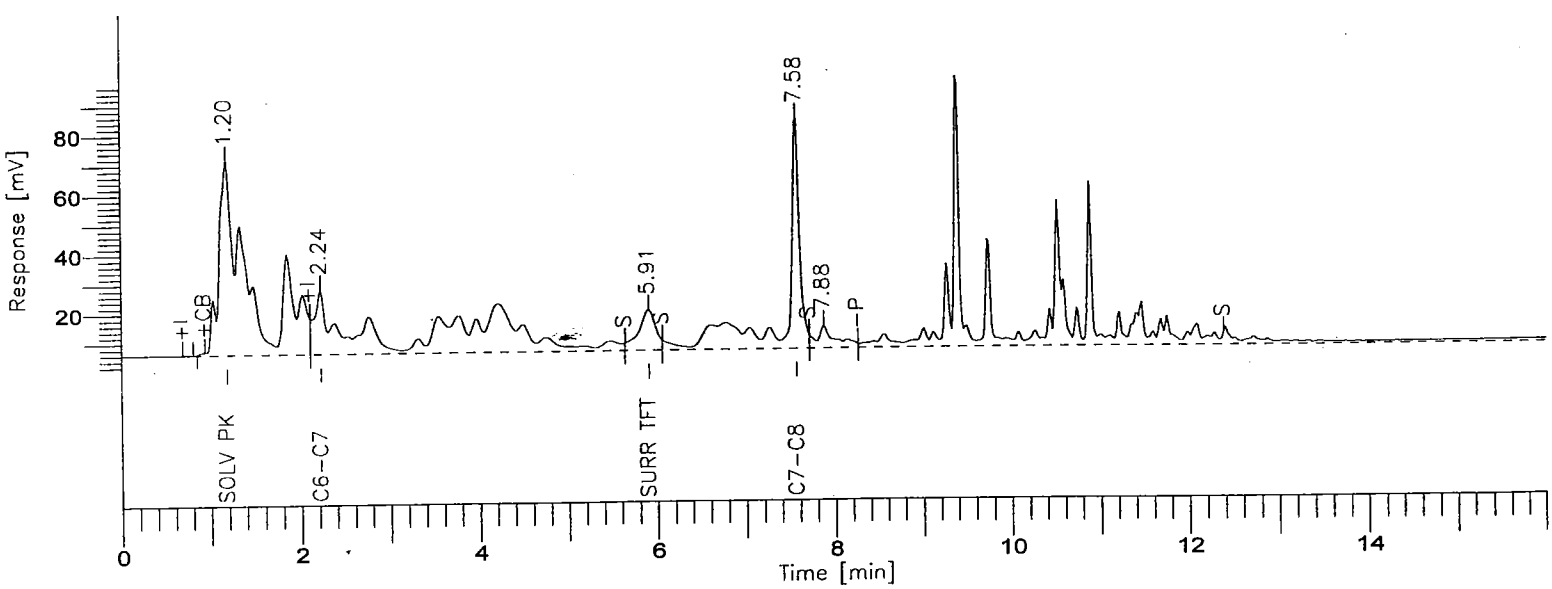
Channel : A A/D mV Range : 1000

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

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

Sample Volume : 1.0000 ml
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

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

Group Report For : GASOLINE RANGE

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

STL - LOS ANGELES

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

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

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

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

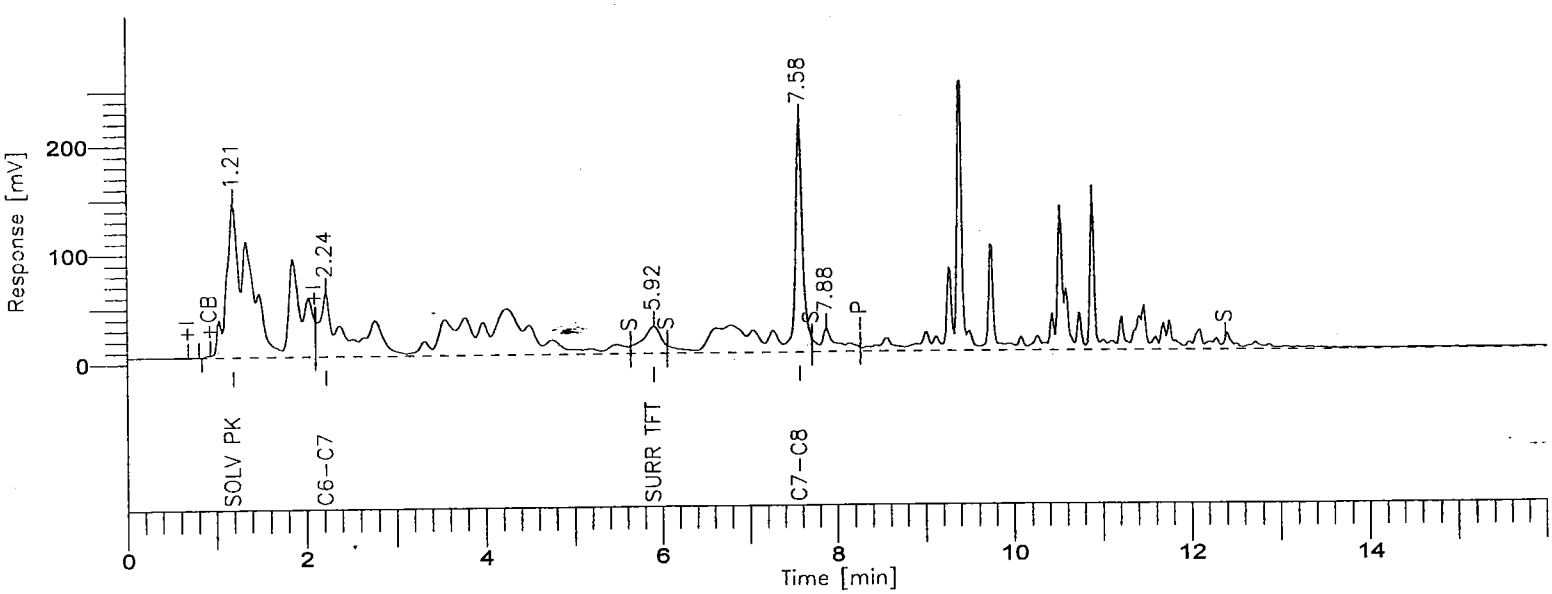
Channel : A A/D mV Range : 1000

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

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

Sample Volume : 1.0000 ml
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



8015B(TVPH).

GC-15/FID COLUMN: DB624

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

Group Report For : GASOLINE RANGE

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

S[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
	Sample	BLK-S	BLK	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
	Sample	MDL STUDY - 50P	REPL#1	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
12	Sample	MDL STUDY - 50P	REPL#2	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
13	Sample	MDL STUDY - 50P	REPL#3	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
14	Sample	MDL STUDY - 50P	REPL#4	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
15	Sample	MDL STUDY - 50P	REPL#5	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
16	Sample	MDL STUDY - 50P	REPL#6	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
17	Sample	MDL STUDY - 50P	REPL#7	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
18	Sample	GASCCV			1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
19	Sample	GASCCV			1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
20	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
21	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
22	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
23	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
24	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
25	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
26	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
27	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
28	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
29	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
30	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000

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

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

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

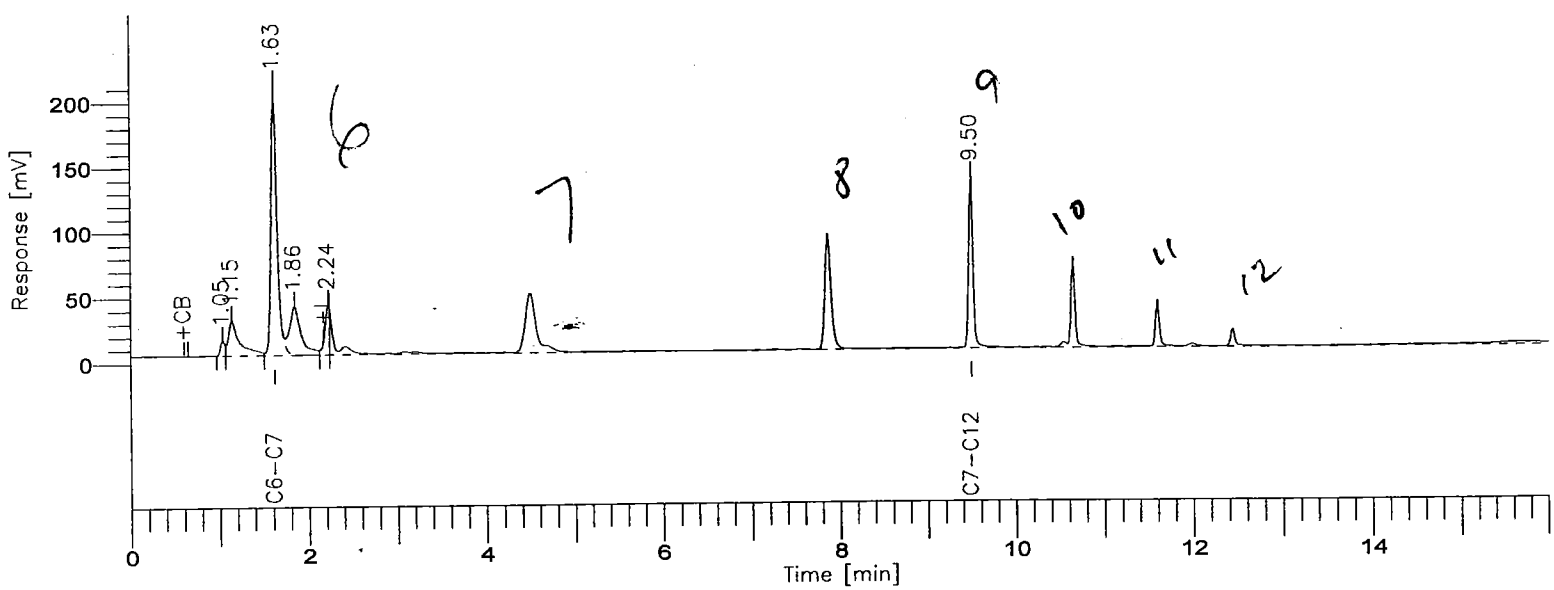
Channel : A A/D mV Range : 1000

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

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

Sample Volume : 1.0000 ml
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



8015B(TVPH).

GC-15/FID COLUMN: DB624

000772

BOE-C6-0149890

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

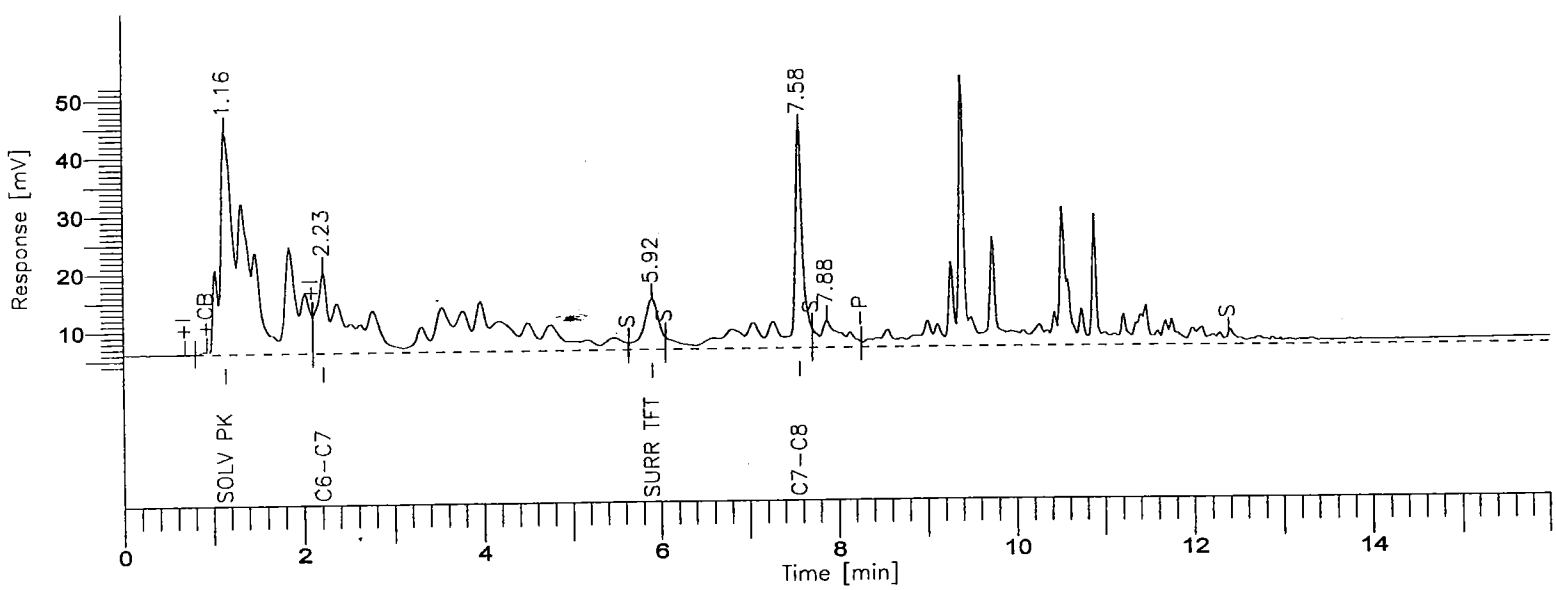
Software Version: 4.1<2F12>
Sample Name : 2ND SOURCE VERIFICATION Time : 9/25/00 08:52 PM
Sample Number: 2ND SOURCE Study :
(rator :

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

000774

BOE-C6-0149892

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-C6-0149894

TEPH

SAMPLE AND QC DATA

$C_8 \rightarrow C_{40+}$

Date(s) Analyzed: 10-19 → 24-00

Instrument ID: GC1 GC2 GC3

Lab #: EOJ090229

Batch #: 0284522

Samples: B, C, L, 1S, 1D, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11

EXTRACTION NOTES

BOE-C6-0149896

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 10/19/00
Time: 17:15:10

BOE-C6-0149897

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

QC BATCH: 0284522

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

000779

Reviewer/Date: APAHIDEC / 10/10/00

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

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJ1	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
10/23/00	10/16/00	E0J090227-001 **DLTCA-1-0PS**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1564-2DCS/5000PPM/1M TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
10/23/00	10/16/00	E0J090227-001 **DLTCA-1-0QD**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1564-2DCS/5000PPM/1M TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
10/23/00	10/16/00	E0J090227-001 **DLTCA-1-02**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
10/23/00	10/16/00	E0J090227-002 **DLTCE-1-02**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
10/23/00	10/16/00	E0J090227-003 **DLTCF-1-02**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
10/23/00	10/16/00	E0J090227-004 **DLTCG-1-02**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
10/23/00	10/16/00	E0J090227-005 **DLTCH-1-02**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 10/19/00
Time: 17:15:10

QC BATCH: 0284522

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

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	PH"S INIT	PH"S ADJ1	PH"S ADJ2	SOLVENTS EXTRACTION	SOLVENTS VOL	SOLVENTS EXCHANGE	SOLVENTS VOL	SPIKE STANDARD/ SURROGATE ID
10/23/00	10/16/00	E0J090227-006 **DLTCK-1-02**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
10/23/00	10/16/00	E0J090227-007 **DLTCL-1-02**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
10/23/00	10/16/00	E0J090227-008 **DLTCM-1-02**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
10/23/00	10/16/00	E0J090227-009 **DLTCN-1-02**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
10/23/00	10/16/00	E0J090227-010 **DLTCP-1-02**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
10/23/00	10/16/00	E0J090227-011 **DLTCQ-1-02**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
10/23/00	10/16/00	E0J090226-034 **DLTEC-1-02**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
10/23/00	10/16/00	E0J090226-036 **DLTEE-1-02**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
10/23/00	10/16/00	E0J090226-038 **DLTEG-1-02**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
10/23/00	10/16/00	E0J090226-027 **DLTE1-1-01**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															

000780
BOE-C6-0149898

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 10/19/00
Time: 17:15:10

000781

BOE-C6-0149899

QC BATCH: 0284522

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

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
10/23/00	10/16/00	E0J090226-028 **DLTE2-1-01**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
10/23/00	10/16/00	E0J090226-029 **DLTE3-1-01**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
10/23/00	10/16/00	E0J090226-030 **DLTE4-1-01**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
10/23/00	10/16/00	E0J090226-031 **DLTE5-1-02**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
10/23/00	10/16/00	E0J090226-032 **DLTE7-1-02**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
10/23/00	0/00/00	E0J100000-522 **DLW59-1-01B**		0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1566-2SCS/250PPM/1ML
COMMENTS:															
10/23/00	0/00/00	E0J100000-522 **DLW59-1-02C**		0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1564-2DCS/5000PPM/1M TEPH1566-2SCS/250PPM/1ML
COMMENTS:															

SPKD BY: CM MECL2/T23272 NA2SO4/8024
METHOD ; SOLID/SOLVENT EXTRACTION (AUTO SHAKER).
RELINQUISHED BY/DATE: CA 10-11-00 RECEIVED BY/DATE: 10-19-00

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

NUMBER OF WORK ORDERS IN BATCH: 24

Turbochrom Sequence File : C:\TC4\DATA_3\018.SEQ
Created by : EM on : 10/17/00 11:23 AM
Edited by : EC on : 10/20/00 03:02 PM
Description :

Number of Times Edited : 17

Sequence File Header Information: FJK 10/26/00

Number of Rows : 155
Instrument Type : 760 / 900 Series Intelligent Interface -227
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	MECL2	MECL2	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
3	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
4	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
5	Sample	360-MB	DLTEH101B	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
6	Sample	360-LCS	DLTEH102C	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
7	Sample	360-02	DLQ15103	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
8	Sample	360-02 MS	DLQ15104S	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
9	Sample	360-02 MSD	DLQ15105D	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
10	Sample	360-04	DLQ19103	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
11	Sample	360-06	DLQ1D103	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
12	Sample	360-08	DLQ1G103	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
13	Sample	360-10 5X	DLQ1J103	ICAL 9/27/	1.000	1.000	1.000	5.000	5.000	20.000	0.000	100.000
14	Sample	360-12	DLQ1L103	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
15	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
16	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
7	Sample	226-MB	DLW59101B	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
8	Sample	226-LCS	DLW59102C	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
19	Sample	226-27 5X	DLTE1101	ICAL 9/27/	1.000	1.000	1.000	5.000	5.000	20.000	0.000	100.000
20	Sample	226-28	DLTE2101	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
21	Sample	226-29	DLTE3101	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
22	Sample	226-30	DLTE4101	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
23	Sample	226-31 5X	DLTE5102	ICAL 9/27/	1.000	1.000	1.000	5.000	5.000	20.000	0.000	100.000
24	Sample	226-32	DLTE7102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
25	Sample	226-34	DLTEC102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
26	Sample	226-36	DLTEE102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	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	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
29	Sample	226-38	DLTE1101	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
30	Sample	227-01	DLTCA102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
31	Sample	227-01 MS	DLTCA10PS	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
32	Sample	227-01 MSD	DLTCA10QD	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
33	Sample	226-MB	DLW58101B	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
34	Sample	226-LCS	DLW58102C	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
35	Sample	226-02	DLTAQ102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
36	Sample	226-02 MS	DLTAQ104S	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
37	Sample	MECL2	MECL2	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
38	Sample	MECL2	MECL2	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
39	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
40	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
41	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
42	Std Check	#TEPH00-203 RT	30 PPM	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
43	Sample	226-MB	DLW59101B	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
44	Sample	226-LCS	DLW59102C	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
45	Sample	226-27 20X	DLTE1101	ICAL 9/27/	1.000	1.000	1.000	20.000	5.000	20.000	0.000	100.000
46	Sample	226-28	DLTE2101	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
47	Sample	226-29	DLTE3101	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
48	Sample	226-30	DLTE4101	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
49	Sample	226-31	DLTE5102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
50	Sample	226-32	DLTE7102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
51	Sample	226-34	DLTEC102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
2	Sample	226-36	DLTEE102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
3	Sample	226-38	DLTE1101	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
54	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
55	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
56	Sample	227-01	DLTCA102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
57	Sample	227-01 MS	DLTCA10PS	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
58	Sample	227-01 MSD	DLTCA10QD	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
59	Sample	226-MB	DLW58101B	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
60	Sample	226-LCS	DLW58102C	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000

GC03 O18,

61	Sample	226-02	DLTAQ102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
62	Sample	226-02 MS	DLTAQ104S	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
63	Sample	226-02 MSD	DLTAQ105D	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
64	Sample	226-03	DLTAW102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
65	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
66	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
67	Sample	226-05	DLTC1102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
9	Sample	226-06	DLTC2102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
)	Sample	226-07	DLTC3101	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
70	Sample	226-08	DLTC4101	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
71	Sample	226-09	DLTC5101	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
72	Sample	226-10	DLTC7101	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
73	Sample	226-11	DLTC8102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
74	Sample	226-12	DLTCJ102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
75	Sample	226-13	DLTCV102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
76	Sample	226-15	DLTD4102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
77	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
78	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
79	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
80	Sample	226-17	DLTDG102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
81	Sample	226-19	DLTDM102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
82	Sample	226-20	DLTDN102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
83	Sample	226-22	DLTDR101	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
84	Sample	226-23	DLTDV101	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
85	Sample	226-24	DLTDW101	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
86	Sample	226-25	DLTDX101	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
87	Sample	226-26	DLTE0101	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
88	Sample	226-27 50X	DLTE1101	ICAL 9/27/	1.000	1.000	1.000	50.000	5.000	20.000	0.000	100.000
89	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
90	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
91	Sample	227-02	DLTCE102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
92	Sample	227-03	DLTCF102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
93	Sample	227-04	DLTCG102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
94	Sample	227-05	DLTCH102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
95	Sample	227-06	DLTCK102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
96	Sample	227-07	DLTCL102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
97	Sample	227-08	DLTCM102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
98	Sample	227-09	DLTCN102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
99	Sample	227-10	DLTCP102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
100	Sample	227-11	DLTCQ102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
101	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
102	Std Check	#TEPH00-203 RT	30 PPM	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
3	Sample	227-MB	DLW5A101B	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
[illegible]	Sample	227-LCS	DLW5A102C	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
105	Sample	227-12	DLTCR102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
106	Sample	227-12 MS	DLTCR10PS	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
107	Sample	227-12 MSD	DLTCR10QD	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
108	Sample	227-13	DLTCT102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
109	Sample	227-14	DLTCW102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
110	Sample	227-19	DLTD5102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
111	Sample	227-21	DLTD7102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
112	Sample	227-22	DLTD9102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
113	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
114	Std Check	#TEPH00-203 RT	30 PPM	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
115	Sample	227-23	DLTDC102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
116	Sample	227-25	DLTDE102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
117	Sample	227-26	DLTDF102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
118	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
119	Std Check	#TEPH00-203 RT	30 PPM	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
120	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
121	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	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	1.000	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	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
132	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	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
Sample Number: C8-C40
Operator :

Time : 10/19/00 12:03 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: 10/19/00 11:33 AM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_3\O18_039.RAW
Result File : C:\TC4\DATA_3\O18_039.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O18_039.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24 Diesel
Sequence File : C:\TC4\DATA_3\O18.SEQ

Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

Noise Threshold: 50
Multiplier : 1.0000
User1 : TPHDA
User3 :
User5 :

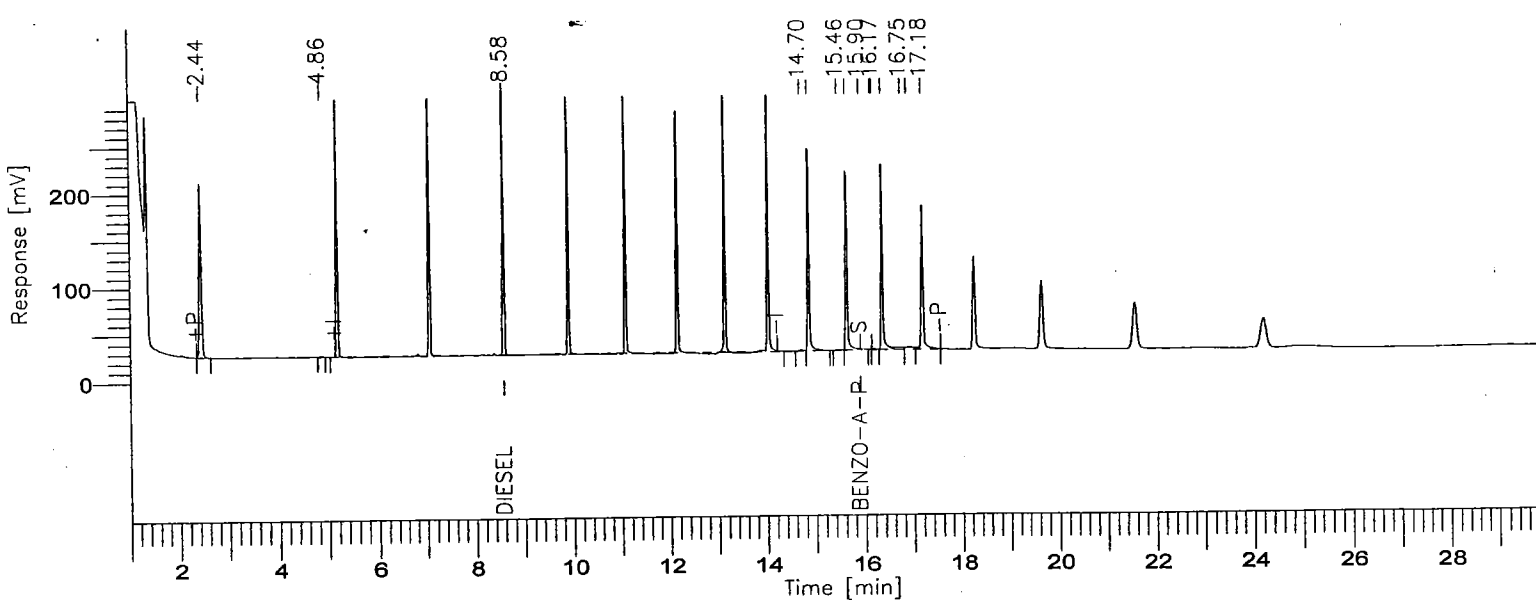
Area Threshold : 200
Divisor : 1.0000

Bunch Factor: 1
Addend : 0.0000

User2 :
User4 :

Instrument Conditions:

Total number of peaks detected: 14



000784

8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/l	FN
8.584	DIESEL	4565279	467.39147	-------	1.0	
15.900	BENZO-A-PYRENE	1676	0.18830	75.32	1.0	
		4566955	467.57976			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O18_039.TX0

Software Version: 4.1<2F12>
Sample Name : #TEPH00-178 DIESEL STD Time : 10/19/00 12:42 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: 10/19/00 12:12 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

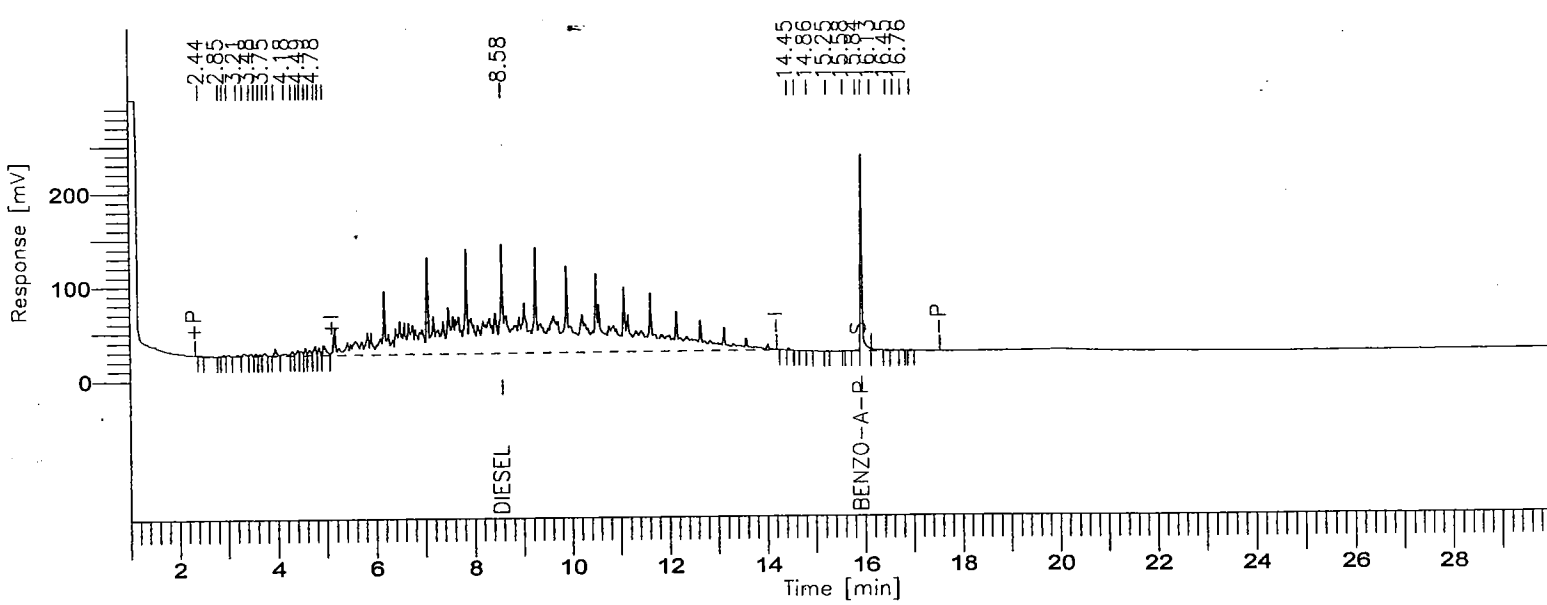
Raw Data File : C:\TC4\DATA_3\O18_040.RAW
Result File : C:\TC4\DATA_3\O18_040.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O18_040.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_3\O18.SEQ

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



000786

BOE-C6-0149904

8015B(TEPH)

GC03/FID:RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
2.436		3143	0.0031	------	----------
2.847		1181	0.0012	------	----------
2.926		7237	0.0072	------	----------
3.015		6788	0.0068	------	----------
3.212		8896	0.0089	------	----------
3.340		13544	0.0135	------	----------
3.477		10537	0.0105	------	----------
3.575		8621	0.0086	------	----------
3.658		7302	0.0073	------	----------
3.751		11901	0.0119	------	----------
3.845		2280	0.0023	------	----------
3.968		26590	0.0266	------	----------
4.179		20144	0.0201	------	----------
4.314		16542	0.0165	------	----------
.423		22101	0.0221	------	----------
4.487		20119	0.0201	------	----------
4.581		23920	0.0239	------	----------
4.667		24423	0.0244	------	----------
4.780		37009	0.0370	------	----------
4.862		25991	0.0260	------	----------
4.959		54026	0.0540	------	----------
8.583	DIESEL	11356879	1162.7128	1000.0	16.27
14.451		4945	0.0049	------	----------
14.600		561	0.0006	------	----------
14.856		2408	0.0024	------	----------
15.247		634	0.0006	------	----------
15.581		741	0.0007	------	----------
15.835		4203	0.0042	------	----------
15.942	BENZO-A-PYRENE	546648	61.4156	50.0	22.83
16.133		18192	0.0182	------	----------
16.451		7110	0.0071	------	----------
16.595		5061	0.0051	------	----------
16.755		2256	0.0023	------	----------
16.946		2069	0.0021	------	----------
		12304002	1224.5288		

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

==========

S , - LOS ANGELES

==========

Report stored in ASCII file: C:\TC4\DATA_3\018_040.TX0

Software Version: 4.1<2F12>
Sample Name : #TEPH00-195 RT MARKER Time : 10/19/00 01:22 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: 10/19/00 12:52 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

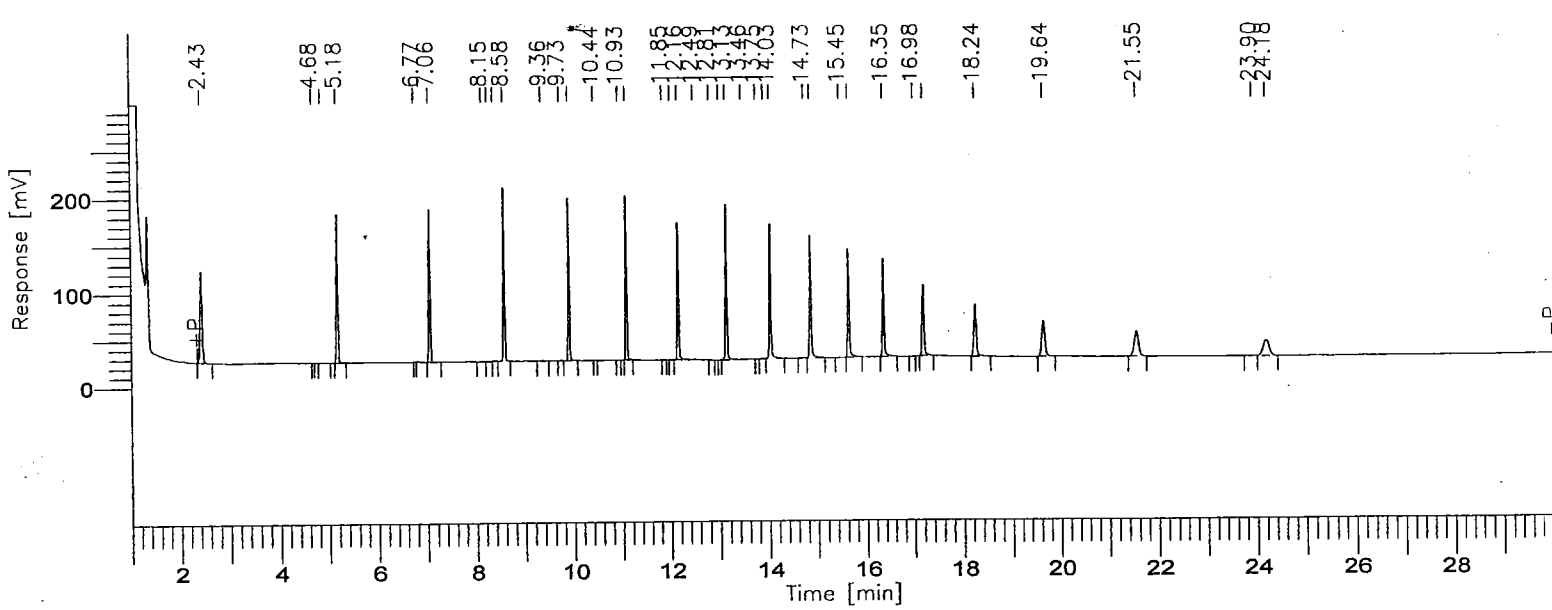
Raw Data File : C:\TC4\DATA_3\O18_041.RAW
Result File : C:\TC4\DATA_3\O18_041.RST
Inst Method : C:\TC4\DATA_3\METHODS\C8-C40A from C:\TC4\DATA_3\O18_041.RST
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A
Sequence File : C:\TC4\DATA_3\O18.SEQ

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: 39



8015B(TEPH)

GC03/FID:RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
3.749	C8-C9	301308	27.5744	30.0	-8.09
6.075	C10-C11	318872	27.2096	30.0	-9.30
7.769	C12-C13	329177	26.4645	30.0	-11.78
9.181	C14-C15	332365	27.1970	30.0	-9.34
10.441	C16-C17	335354	27.5453	30.0	-8.18
11.579	C18-C19	333444	27.4097	30.0	-8.63
13.051	C20-C23	662962	27.9250	30.0	-6.92
14.784	C24-C27	601465	27.7088	30.0	-7.64
16.357	C28-C31	501050	27.6536	30.0	-7.82
18.348	C32-C35	406406	30.5059	30.0	1.69
21.815	C36-C39	345652	33.8458	30.0	12.82
27.034	C40+	145962	34.3928	30.0	14.64
		4614018	345.4324		

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
2.430		299452	0.2995	------	----------
4.682		179	0.0002	------	----------
4.859		1676	0.0017	------	----------
		301308	0.3013		

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
5.181		318475	0.3185	------	----------
6.766		398	0.0004	------	----------
		318872	0.3189		

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
7.062		323939	0.3239	------	----------
8.145		2377	0.0024	------	----------
8.251		703	0.0007	------	----------
8.380		2158	0.0022	------	----------
		329177	0.3292		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
8.582		329106	0.3291	------	----------
9.361		2126	0.0021	------	----------
9.730		1134	0.0011	------	----------
		332365	0.3324		

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
9.903		333577	0.3336	------	----------
10.435		664	0.0007	------	----------
10.934		1112	0.0011	------	----------
		335354	0.3354		

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
11.086		330499	0.3305	------	----------
11.850		1144	0.0011	------	----------
12.017		1801	0.0018	------	----------
		333444	0.3334		

Group Report For : C20-C23

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

12.157	333075	0.3331	------	----------
12.489	3922	0.0039	------	----------
12.813	1132	0.0011	------	----------
13.002	305	0.0003	------	----------
13.133	320449	0.3204	------	----------
13.457	1326	0.0013	------	----------
13.754	374	0.0004	------	----------
13.910	2379	0.0024	------	----------
	662962	0.6630		

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
14.030		307340	0.3073	------	----------
14.734		2450	0.0024	------	----------
14.854		290186	0.2902	------	----------
15.454		1489	0.0015	------	----------
		601465	0.6015		

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
15.621		264004	0.2640	------	----------
16.349		236246	0.2362	------	----------
16.982		800	0.0008	------	----------
		501050	0.5011		

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
17.179		210952	0.2110	------	----------
18.236		195453	0.1955	------	----------
		406406	0.4064		

Group Report For : C36-C39

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

19.639	176716	0.1767	------	----------
[illegible].548	165056	0.1651	------	----------
[illegible].904	3880	0.0039	------	----------
	345652	0.3457		

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
24.180		145962	0.1460	------	----------
		145962	0.1460		

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

[illegible] - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O18_041.TX0

Software Version: 4.1<2F12>
Sample Name : #TEPH00-178 DIESEL STD Time : 10/19/00 11:23 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: 10/19/00 10:53 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

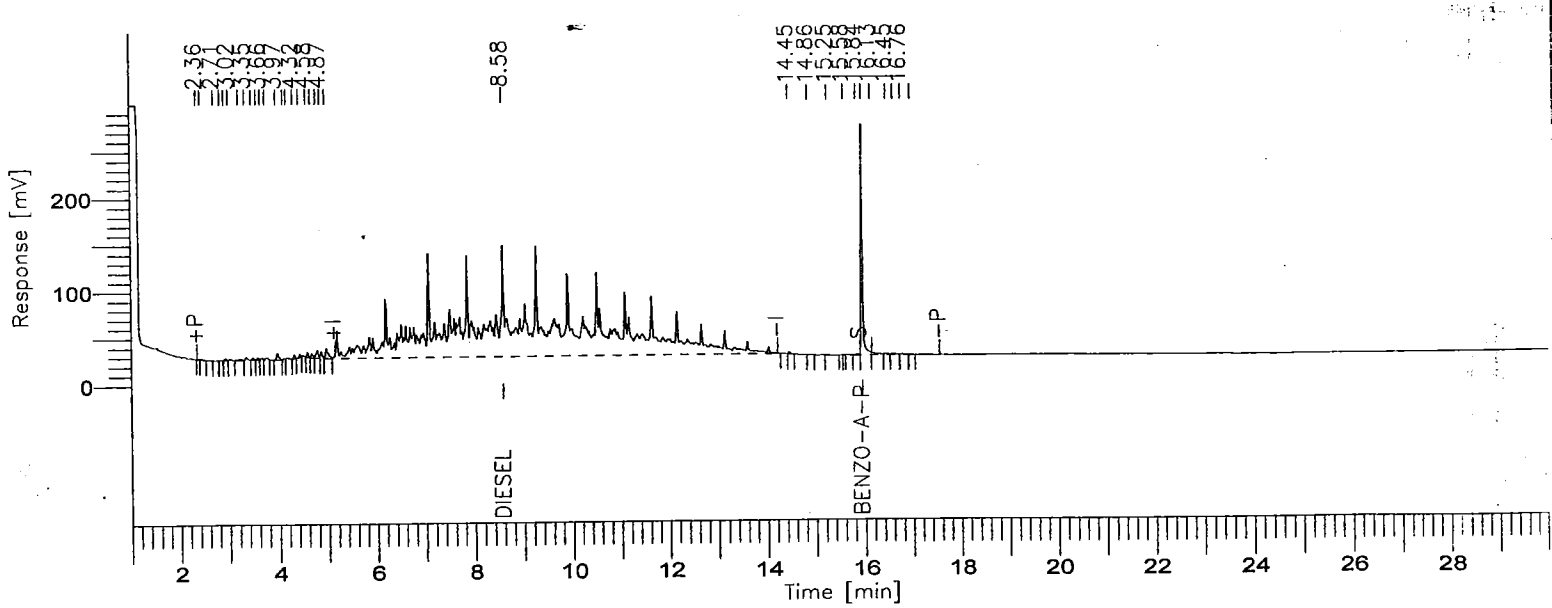
Raw Data File : C:\TC4\DATA_3\O18_054.RAW
Result File : C:\TC4\DATA_3\O18_054.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O18_054.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_3\O18.SEQ

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
2.364		1344	0.0013	------	----------
2.442		3718	0.0037	------	----------
2.713		842	0.0008	------	----------
2.846		917	0.0009	------	----------
2.932		6421	0.0064	------	----------
3.021		4555	0.0046	------	----------
3.218		6043	0.0060	------	----------
3.346		10629	0.0106	------	----------
3.482		8278	0.0083	------	----------
3.581		6619	0.0066	------	----------
3.664		5050	0.0050	------	----------
3.755		8036	0.0080	------	----------
3.972		23908	0.0239	------	----------
4.117		3713	0.0037	------	----------
4.180		8510	0.0085	------	----------
4.317		9672	0.0097	------	----------
4.429		7432	0.0074	------	----------
4.584		11729	0.0117	------	----------
4.671		12154	0.0122	------	----------
4.783		29255	0.0293	------	----------
4.866		16511	0.0165	------	----------
4.966		42237	0.0422	------	----------
8.584	DIESEL	11450925	1172.3412	1000.0	17.23
14.452		5108	0.0051	------	----------
14.857		2130	0.0021	------	----------
15.249		554	0.0006	------	----------
15.582		752	0.0008	------	----------
15.837		3663	0.0037	------	----------
15.946	BENZO-A-PYRENE	568563	63.8778	50.0	27.76
16.133		22623	0.0226	------	----------
16.453		9543	0.0095	------	----------
16.596		9381	0.0094	------	----------
16.757		5208	0.0052	------	----------
16.948		2529	0.0025	------	----------
		12308554	1236.5081		

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

==========

. . - LOS ANGELES

==========

Report stored in ASCII file: C:\TC4\DATA_3\O18_054.TXO

Software Version: 4.1<2F12>
Sample Name : #TEPH00-195 RT MARKER Time : 10/20/00 12:01 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: 10/19/00 11:32 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

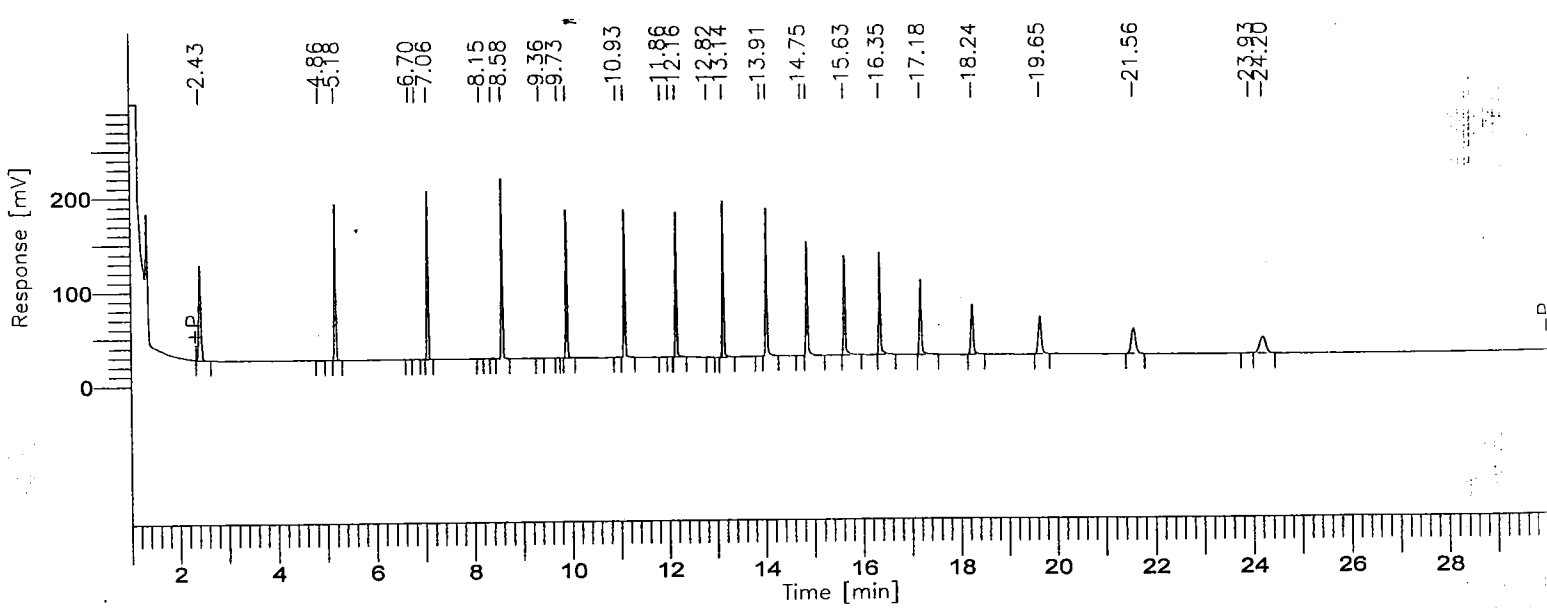
Raw Data File : C:\TC4\DATA_3\O18_055.RAW
Result File : C:\TC4\DATA_3\O18_055.RST
Inst Method : C:\TC4\DATA_3\METHODS\C8-C40A from C:\TC4\DATA_3\O18_055.RST
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A
Sequence File : C:\TC4\DATA_3\O18.SEQ

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



000797

8015B(TEPH)

GC03/FID:RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
3.749	C8-C9	306527	28.0521	30.0	-6.49
6.074	C10-C11	329640	28.1284	30.0	-6.24
7.769	C12-C13	336189	27.0283	30.0	-9.91
9.180	C14-C15	341573	27.9505	30.0	-6.83
10.441	C16-C17	343487	28.2134	30.0	-5.96
11.579	C18-C19	344160	28.2905	30.0	-5.70
13.051	C20-C23	670390	28.2379	30.0	-5.87
14.784	C24-C27	618122	28.4761	30.0	-5.08
16.356	C28-C31	520326	28.7174	30.0	-4.28
18.348	C32-C35	413978	31.0744	30.0	3.58
21.815	C36-C39	347384	34.0153	30.0	13.38
27.034	C40+	148982	35.1045	30.0	17.02
		4720759	353.2888		

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
2.433		304695	0.3047	------	----------
4.863		1832	0.0018	------	----------
		306527	0.3065		

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
5.183		326439	0.3264	------	----------
6.697		728	0.0007	------	----------
6.820		2473	0.0025	------	----------
		329640	0.3296		

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
..064		332627	0.3326	------	----------
8.148		1644	0.0016	------	----------
8.382		1918	0.0019	------	----------
		336189	0.3362		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
8.584		338901	0.3389	------	----------
9.364		1607	0.0016	------	----------
9.732		1065	0.0011	------	----------
		341573	0.3416		

Group Report For : C16-C17

me min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
9.906		342160	0.3422	------	----------
10.934		1327	0.0013	------	----------
		343487	0.3435		

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
11.089		341122	0.3411	------	----------
11.855		1000	0.0010	------	----------
12.020		2038	0.0020	------	----------
		344160	0.3442		

Group Report For : C20-C23

ime [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
12.161		339431	0.3394	------	----------
12.815		1381	0.0014	------	----------

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
13.135		328860	0.3289	------	----------
13.914		718	0.0007	------	----------
		670390	0.6704		

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
14.032		314309	0.3143	------	----------
14.745		1310	0.0013	------	----------
14.857		302503	0.3025	------	----------
		618122	0.6181		

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
15.625		275729	0.2757	------	----------
16.351		244597	0.2446	------	----------
		520326	0.5203		

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
17.183		220819	0.2208	------	----------
18.243		193160	0.1932	------	----------
		413978	0.4140		

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
19.650		176082	0.1761	------	----------
21.560		167708	0.1677	------	----------
23.929		3594	0.0036	------	----------

	347384	0.3474

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
24.198		148982	0.1490	------	----------
		148982	0.1490		

Missing Component Report

Component	Expected Retention (Calibration File)
All components were found	

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O18_055.TX0

Software Version: 4.1<2F12>
Sample Name : #TEPH00-178 DIESEL STD Time : 10/20/00 06:29 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: 10/20/00 05:59 AM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

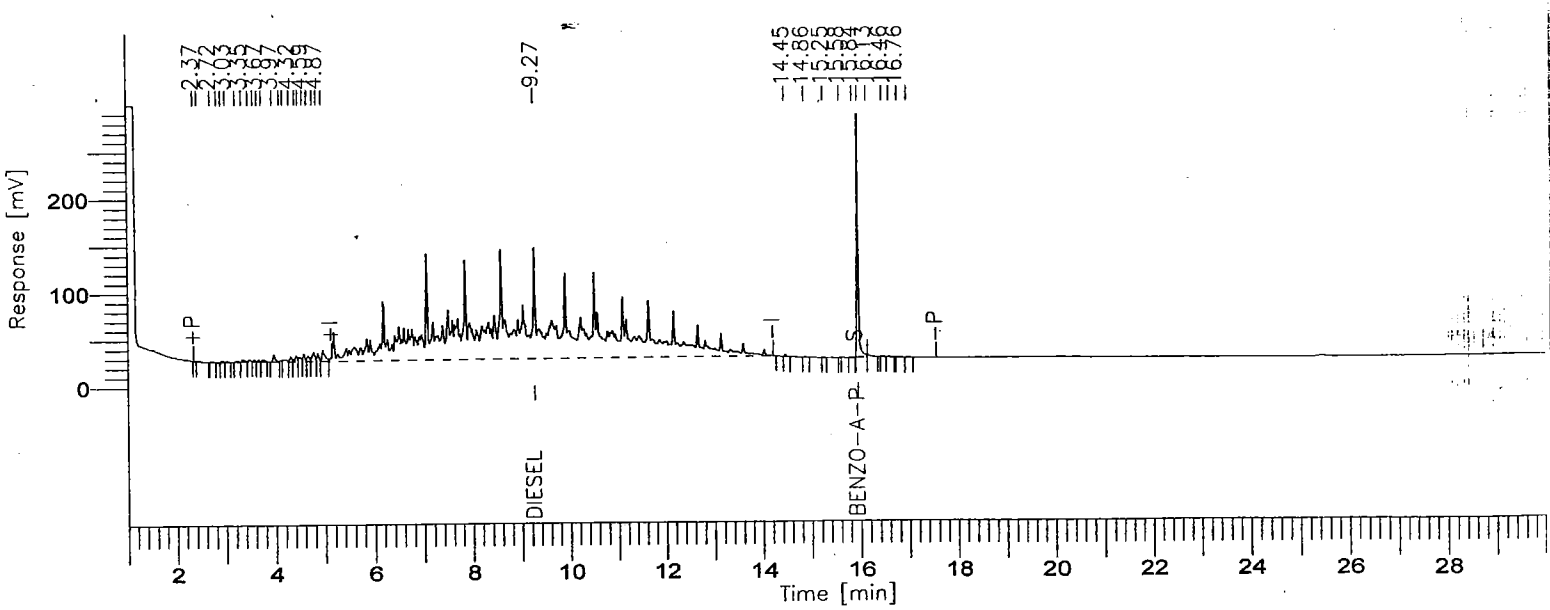
Raw Data File : C:\TC4\DATA_3\O18_065.RAW
Result File : C:\TC4\DATA_3\O18_065.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O18_065.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_3\O18.SEQ

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



000802

BOE-C6-0149920

8015B(TEPH)

GC03/FID:RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
2.366		1560	0.0016	------	----------
2.446		2205	0.0022	------	----------
2.716		1842	0.0018	------	----------
2.848		716	0.0007	------	----------
2.935		5742	0.0057	------	----------
3.025		4270	0.0043	------	----------
3.221		5559	0.0056	------	----------
3.349		9457	0.0095	------	----------
3.484		6614	0.0066	------	----------
3.582		5191	0.0052	------	----------
3.666		4346	0.0043	------	----------
3.757		7726	0.0077	------	----------
3.974		26200	0.0262	------	----------
4.118		4741	0.0047	------	----------
4.181		13001	0.0130	------	----------
4.319		15481	0.0155	------	----------
4.431		24279	0.0243	------	----------
4.494		19201	0.0192	------	----------
4.585		23428	0.0234	------	----------
4.672		21425	0.0214	------	----------
4.784		40315	0.0403	------	----------
4.867		23071	0.0231	------	----------
4.966		53763	0.0538	------	----------
9.267	DIESEL	11787048	1206.7534	1000.0	20.68
14.453		5400	0.0054	------	----------
14.860		2246	0.0022	------	----------
15.249		592	0.0006	------	----------
15.583		714	0.0007	------	----------
15.840		2965	0.0030	------	----------
15.948	BENZO-A-PYRENE	555601	62.4215	50.0	24.84
16.133		8584	0.0086	------	----------
16.456		2258	0.0023	------	----------
16.599		2146	0.0021	------	----------
16.762		1930	0.0019	------	----------
16.953		1985	0.0020	------	----------
		12691603	1269.5238		

Missing Component Report
Component Expected Retention (Calibration File)

All components were found

==========

STL - LOS ANGELES

==========

Report stored in ASCII file: C:\TC4\DATA_3\018_065.TX0

Software Version: 4.1<2F12>
Sample Name : #TEPH00-195 RT MARKER Time : 10/20/00 07:08 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: 10/20/00 06:38 AM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

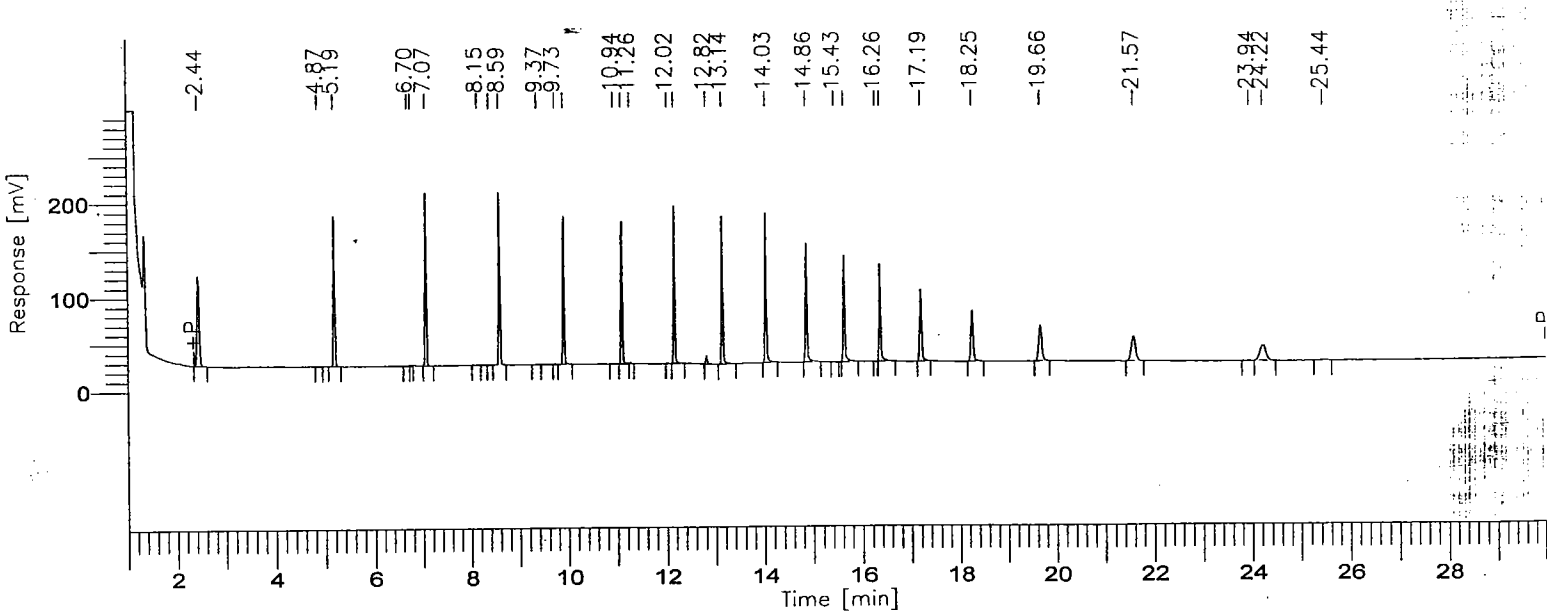
Raw Data File : C:\TC4\DATA_3\O18_066.RAW
Result File : C:\TC4\DATA_3\O18_066.RST
Inst Method : C:\TC4\DATA_3\METHODS\C8-C40A from C:\TC4\DATA_3\O18_066.RST
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A
Sequence File : C:\TC4\DATA_3\O18.SEQ

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
3.749	C8-C9	306320	28.0331	30.0	-6.56
6.074	C10-C11	325852	27.8052	30.0	-7.32
7.769	C12-C13	333718	26.8296	30.0	-10.57
9.180	C14-C15	337160	27.5894	30.0	-8.04
10.441	C16-C17	339456	27.8824	30.0	-7.06
11.579	C18-C19	342572	28.1600	30.0	-6.13
13.051	C20-C23	681026	28.6859	30.0	-4.38
14.784	C24-C27	610480	28.1241	30.0	-6.25
16.356	C28-C31	511018	28.2037	30.0	-5.99
18.348	C32-C35	396168	29.7375	30.0	-0.88
21.815	C36-C39	339176	33.2117	30.0	10.71
27.034	C40+	155972	36.7514	30.0	22.50
		4678919	351.0139		

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
2.439		304607	0.3046	------	----------
4.866		1713	0.0017	------	----------
		306320	0.3063		

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
5.185		325034	0.3250	------	----------
6.699		533	0.0005	------	----------
6.769		284	0.0003	------	----------
		325852	0.3259		

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
..066		330290	0.3303	------	----------
8.150		1528	0.0015	------	----------
8.383		1900	0.0019	------	----------
		333718	0.3337		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
8.585		334932	0.3349	------	----------
9.366		1220	0.0012	------	----------
9.733		1008	0.0010	------	----------
		337160	0.3372		

Group Report For : C16-C17

me [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
9.911		338161	0.3382	------	----------
10.935		1296	0.0013	------	----------
		339456	0.3395		

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
11.093		337762	0.3378	------	----------
11.260		2929	0.0029	------	----------
12.022		1882	0.0019	------	----------
		342572	0.3426		

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
12.164		335392	0.3354	------	----------
12.815		18670	0.0187	------	----------

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
[illegible].137		326964	0.3270	------	----------
		681026	0.6810		

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
14.034		312230	0.3122	------	----------
14.861		297624	0.2976	------	----------
15.432		626	0.0006	------	----------
		610480	0.6105		

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
[illegible].629		270010	0.2700	------	----------
16.263		374	0.0004	------	----------
16.353		240634	0.2406	------	----------
		511018	0.5110		

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
17.186		208245	0.2082	------	----------
18.248		187923	0.1879	------	----------
		396168	0.3962		

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
19.655		171600	0.1716	------	----------
21.570		163348	0.1633	------	----------
23.938		4228	0.0042	------	----------

	339176	0.3392

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
24.216		146030	0.1460	------	----------
25.435		9942	0.0099	------	----------
		155972	0.1560		

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O18_066.TX0

Software Version: 4.1<2F12>
Sample Name : #TEPH00-178 DIESEL STD Time : 10/20/00 02:18 PM
Sample Number: 1000 PPM Study : ICAL 9/27/00
(rator :

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

Interface Serial # : 8293570026 Data Acquisition Time: 10/20/00 01:48 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

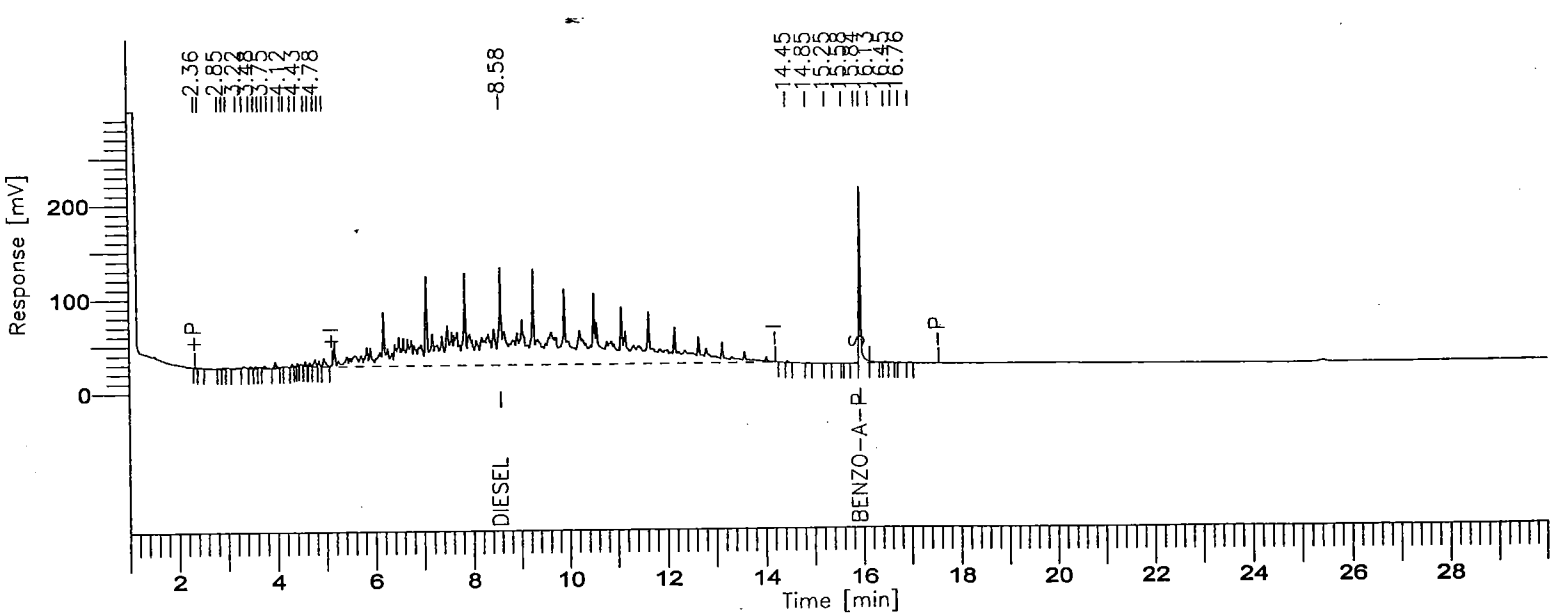
Raw Data File : C:\TC4\DATA_3\O18_077.RAW
Result File : C:\TC4\DATA_3\O18_077.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O18_077.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_3\O18.SEQ

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



8015B(TEPH)

GC03/FID:RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
2.362		1510	0.0015	------	----------
2.441		3527	0.0035	------	----------
2.848		784	0.0008	------	----------
2.931		5267	0.0053	------	----------
3.020		4401	0.0044	------	----------
3.217		5611	0.0056	------	----------
3.344		9799	0.0098	------	----------
3.481		7344	0.0073	------	----------
3.579		5972	0.0060	------	----------
3.663		4409	0.0044	------	----------
3.754		8169	0.0082	------	----------
3.848		920	0.0009	------	----------
3.970		21479	0.0215	------	----------
[illegible].116		3425	0.0034	------	----------
[illegible].180		7626	0.0076	------	----------
4.316		8418	0.0084	------	----------
4.427		5690	0.0057	------	----------
4.583		10314	0.0103	------	----------
4.670		10143	0.0101	------	----------
4.782		25294	0.0253	------	----------
4.865		14246	0.0142	------	----------
4.964		37066	0.0371	------	----------
8.583	DIESEL	9921881	1015.7982	1000.0	1.58
14.450		4422	0.0044	------	----------
14.854		1867	0.0019	------	----------
15.249		616	0.0006	------	----------
15.580		686	0.0007	------	----------
15.835		2438	0.0024	------	----------
15.941	BENZO-A-PYRENE	478581	53.7683	50.0	7.54
16.133		6791	0.0068	------	----------
16.451		2129	0.0021	------	----------
16.595		1750	0.0017	------	----------
16.755		1666	0.0017	------	----------
16.948		1498	0.0015	------	----------
		10625742	1069.7919		

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

==========

STL - LOS ANGELES

==========

Report stored in ASCII file: C:\TC4\DATA_3\018_077.TX0

Software Version: 4.1<2F12>
Sample Name : #TEPH00-195 RT MARKER Time : 10/20/00 03:37 PM
Sample Number: 30 PPM Study : ICAL 9/30/00
C ator :

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

Interface Serial # : 8293570026 Data Acquisition Time: 10/20/00 03:08 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

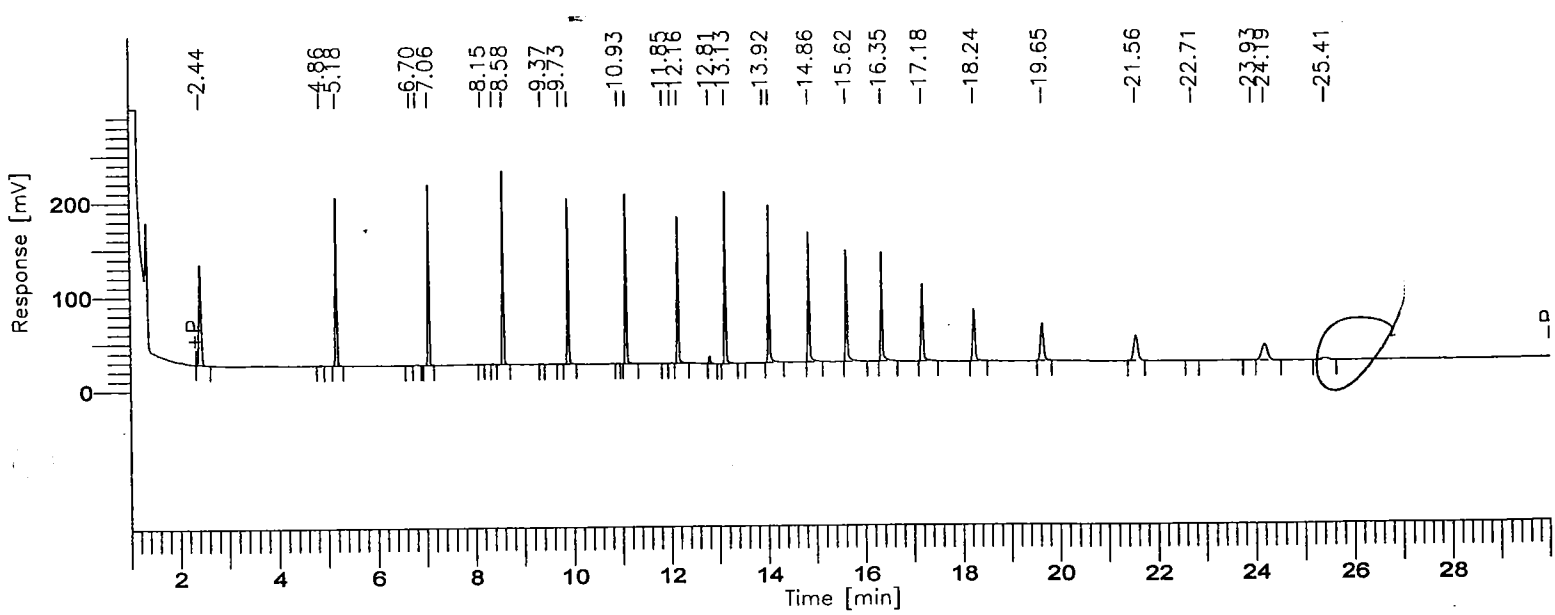
Raw Data File : C:\TC4\DATA_3\O18_079.RAW
Result File : C:\TC4\DATA_3\O18_079.RST
Inst Method : C:\TC4\DATA_3\METHODS\C8-C40A from C:\TC4\DATA_3\O18_079.RST
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A
Sequence File : C:\TC4\DATA_3\O18.SEQ

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: 32



000813

BOE-C6-0149931

8015B(TEPH)

GC03/FID:RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
3.749	C8-C9	332514	30.4303	30.0	1.43
6.074	C10-C11	354238	30.2274	30.0	0.76
7.769	C12-C13	361252	29.0432	30.0	-3.19
9.180	C14-C15	366033	29.9520	30.0	-0.16
10.441	C16-C17	369297	30.3334	30.0	1.11
11.579	C18-C19	371426	30.5318	30.0	1.77
13.051	C20-C23	741162	31.2189	30.0	4.06
14.784	C24-C27	665784	30.6719	30.0	2.24
16.356	C28-C31	559778	30.8948	30.0	2.98
18.348	C32-C35	428293	32.1488	30.0	7.16
21.815	C36-C39	349348	34.2077	30.0	14.03
27.034	C40+	165097	38.9015	30.0	29.67
		5064222	378.5618		

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
2.437		330654	0.3307	------	----------
4.864		1860	0.0019	------	----------
		332514	0.3325		

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
5.184		351020	0.3510	------	----------
6.697		660	0.0007	------	----------
6.820		2557	0.0026	------	----------
		354238	0.3542		

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
7.064		357902	0.3579	------	----------
8.146		1423	0.0014	------	----------
8.381		1928	0.0019	------	----------
		361252	0.3613		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
8.583		363980	0.3640	------	----------
9.365		919	0.0009	------	----------
9.731		1134	0.0011	------	----------
		366033	0.3660		

Group Report For : C16-C17

me [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
9.905		368096	0.3681	------	----------
10.932		1201	0.0012	------	----------
		369297	0.3693		

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
11.087		368244	0.3682	------	----------
11.854		934	0.0009	------	----------
12.018		2248	0.0022	------	----------
		371426	0.3714		

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
12.158		366109	0.3661	------	----------
12.810		18873	0.0189	------	----------

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
13.134		354670	0.3547	------	----------
13.918		1510	0.0015	------	----------
		741162	0.7412		

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
14.032		343057	0.3431	------	----------
14.855		322727	0.3227	------	----------
		665784	0.6658		

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
15.623		299490	0.2995	------	----------
16.350		260288	0.2603	------	----------
		559778	0.5598		

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
17.181		229219	0.2292	------	----------
18.239		199074	0.1991	------	----------
		428293	0.4283		

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
19.645		177178	0.1772	------	----------
21.555		166121	0.1661	------	----------
22.706		1969	0.0020	------	----------
23.926		4080	0.0041	------	----------

349348	0.3493	

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
24.190		148148	0.1481	------	----------
25.412		16949	0.0169	------	----------
		165097	0.1651		

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O18_079.TX0

Lot/Sample: E0J100000-522B INTRA-LAB BLANK TICs.....: N Report Results: Y
WO#.....: DLW59-1-01 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: 10/19/00
Inject Time..: 14:25 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O18_043A
Instr ID: G03 Column: RTX-1 ID: .53
Sampling date.....:10/09/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/25 15:53:36
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/10/00
QC Batch.....: 0284522
MS Run Number:
Prep Time....: 17:00-21:00
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: TEPH1566-2SCS/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	13.428	107.4304		

Software Version: 4.1<2F12>
Sample Name : 226-MB
Sample Number: DLW59101B
:rator :

Time : 10/23/00 03:06 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: 10/19/00 02:25 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

l-chan

Raw Data File : C:\TC4\DATA_3\O18_043A.RAW
Result File : C:\TC4\DATA_3\O18_043A.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O18_043A.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\O18A.SEQ

Sample Volume : 1.0000 uL
Sample Amount : 1.0000

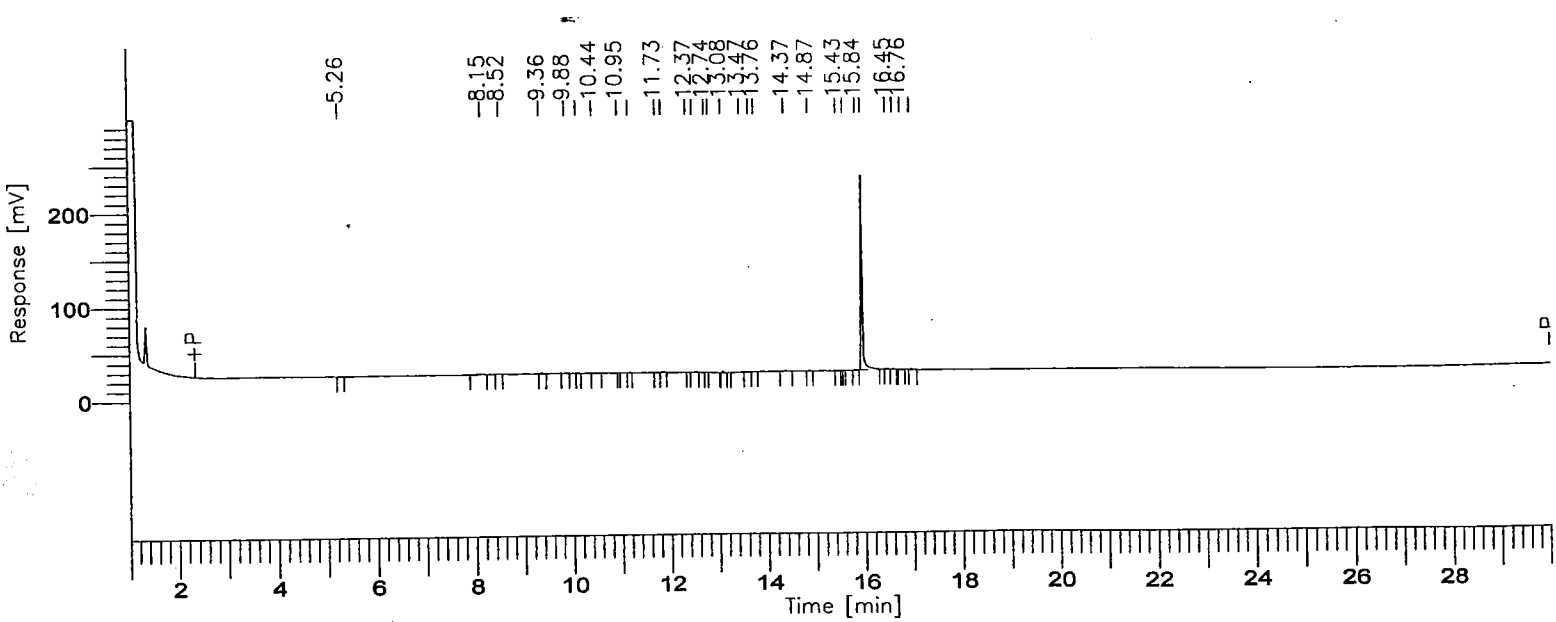
Area Reject : 0.000000
Dilution Factor : 1.00

Noise Threshold: 50
:tiplier : 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: 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	0	0.0000	-------	10.0	
6.07	C10-C11	869	0.0185	-------	10.0	
7.77	C12-C13	4851	0.0975	-------	10.0	
9.18	C14-C15	2844	0.0582	-------	10.0	
10.44	C16-C17	3852	0.0791	-------	10.0	
11.58	C18-C19	4008	0.0824	-------	10.0	
13.05	C20-C23	13322	0.1403	-------	10.0	
14.78	C24-C27	5094	0.0587	-------	10.0	
16.36	C28-C31	496698	6.8533	-------	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	
		531538	7.3880			

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
5.26		869	0.0002	-------	10.0	
		869	0.0002			

Group Report For : C12-C13

ne [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.15		4120	0.0010	-------	10.0	
8.52		731	0.0002	-------	10.0	

4851	0.0012	

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.36		2844	0.0007	-------	10.0	
		2844	0.0007			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.88		1921	0.0005	-------	10.0	
10.12		415	0.0001	-------	10.0	
10.44		1196	0.0003	-------	10.0	
10.95		320	0.0001	-------	10.0	
		3852	0.0010			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.18		883	0.0002	-------	10.0	
11.73		489	0.0001	-------	10.0	
11.85		2637	0.0007	-------	10.0	
		4008	0.0010			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.36		404	0.0001	-------	10.0	
12.49		1622	0.0004	-------	10.0	
12.74		885	0.0002	-------	10.0	
[illegible].81		2024	0.0005	-------	10.0	
13.08		3663	0.0009	-------	10.0	
13.47		2413	0.0006	-------	10.0	
13.65		1146	0.0003	-------	10.0	
13.76		1165	0.0003	-------	10.0	

	13322	0.0033

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.37		3472	0.0009	-------	10.0	
14.87		734	0.0002	-------	10.0	
15.43		888	0.0002	-------	10.0	
		5094	0.0013			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.58		691	0.0002	-------	10.0	
15.84		2842	0.0007	-------	10.0	
15.95		485343	0.1213	-------	10.0	
16.45		1816	0.0005	-------	10.0	
60		1603	0.0004	-------	10.0	
16.76		2123	0.0005	-------	10.0	
16.95		2279	0.0006	-------	10.0	
		496698	0.1242			

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\O18_043A.TXO

Software Version: 4.1<2F12>
Sample Name : 226-MB
Sample Number: DLW59101B
(rator :

Time : 10/19/00 02:56 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: 10/19/00 02:25 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_3\O18_043.RAW
Result File : C:\TC4\DATA_3\O18_043.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O18_043.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_3\O18.SEQ

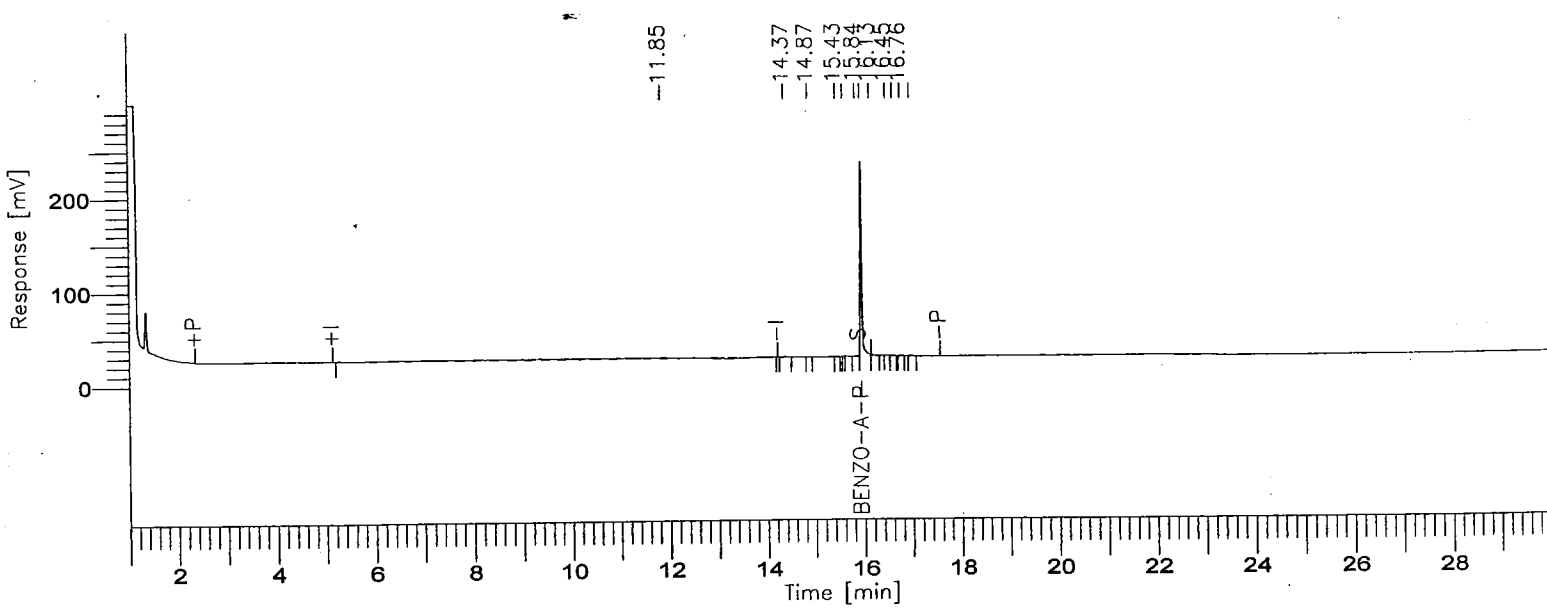
Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

Noise Threshold: 50
Area Threshold : 200
Bunch Factor: 1
tiplier : 5.0000
Divisor : 20.0000
Addend : 0.0000
User1 : TPHDA
User2 :
User3 :
User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 12



000824

BOE-C6-0149942

8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.62	DIESEL	0	0.0000	-------	10.0	
15.95	BENZO-A-PYRENE	478106	13.4288	107.43	10.0	
		478106	13.4288			

Missing Component Report

Component	Expected Retention (Calibration File)
DIESEL	7.618

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O18_043.TXO

PDE120S
Page: 1

Severn Trent Laboratories, Inc.
Data Review

Date 10/25/2000
Time 15:12:11

Lot/Sample: E0J100000-522C INTRA-LAB CHECK TICs.....: N Report Results: Y
WO#.....: DLW59-1-02 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: 10/19/00
Inject Time..: 15:05 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O18_044
Instr ID: G03 Column: RTX-1 ID: .53
Sampling date.....:10/09/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/10 19:40:08
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/10/00
QC Batch.....: 0284522
MS Run Number:
Prep Time....: 17:00-17:00
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: TEPH1566-2SCS/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	234.1738	93.66	0		
	Sample amount: NA								
05013	Motor Oil Range Organic			250	NA	0	0		NA
	Sample amount: NA								
03052	TPH (as Diesel)			250	234.1738	93.66	0		
	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	13.158	105.2688		NA

PDE120S
Page: 1

Severn Trent Laboratories, Inc.
Data Review

Date 10/25/2000
Time 14:53:52

Lot/Sample: E0J100000-522C INTRA-LAB CHECK TICs.....: N Report Results: Y
WO#.....: DLW59-1-02 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: 10/19/00
Inject Time..: 15:05 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: 018_044
Instr ID: G03 Column: RTX-1 ID: .53
Sampling date.....:10/09/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/10 19:40:08
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/10/00
QC Batch.....: 0284522
MS Run Number:
Prep Time....: 17:00-17:00
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: TEPH1566-2SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Spike Amount	Measured Amount	%REC	%RPD	Data Qual	Report Qual
04490	Diesel Range Organics (			250	NA	0	0		NA
04980	Diesel Range Organics			250	234.1738	93.66	0		
05013	Motor Oil Range Organic			250	NA	0	0		NA
03052	TPH (as Diesel)			250	NA	0	0		NA
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	13.158	105.2688		NA

Software Version: 4.1<2F12>
Sample Name : 226-LCS
Sample Number: DLW59102C
C rator :

Time : 10/19/00 03:34 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: 10/19/00 03:05 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_3\O18_044.RAW
Result File : C:\TC4\DATA_3\O18_044.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O18_044.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_3\O18.SEQ

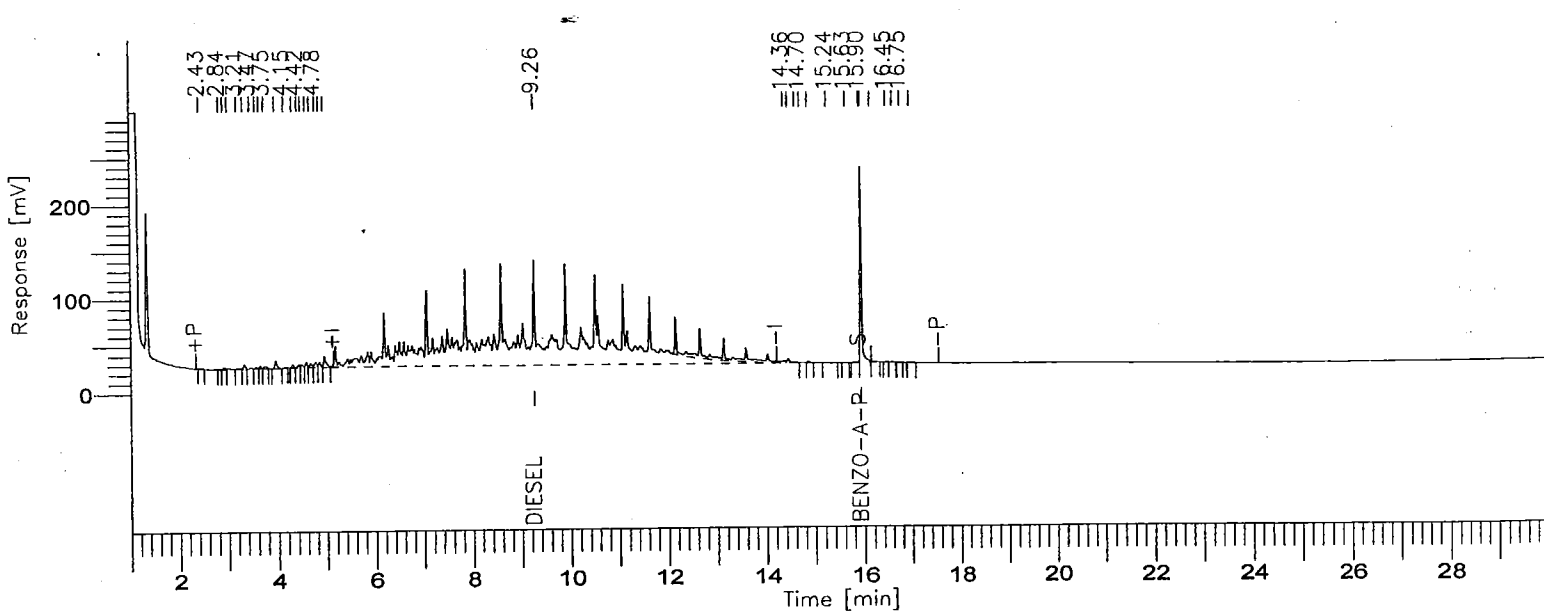
Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

Noise Threshold: 50
Area Threshold : 200
Bunch Factor: 1
M tiplier : 5.0000
Divisor : 20.0000
Addend : 0.0000
User1 : TPHDA
User2 :
User3 :
User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 35



000828

BOE-C6-0149946

8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% RECOVERY	FN
9.264	DIESEL	9149238	234.1738	250.0000	93.67	
15.937	BENZO-A-PYRENE	468488	13.1586	12.5000	105.27	
		9617725				

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O18_044.TXO

Lot/Sample: E0J090227-001 C-2-99-5 TICs.....: N Report Results: Y
WO#.....: DLTCA-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: 10/20/00
Inject Time..: 0:11 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O18_056A
Instr ID: G03 Column: RTX-1 ID: .53
Sampling date.....:10/09/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/25 16:42:24
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/10/00
QC Batch.....: 0284522
MS Run Number: 0284311
Prep Time....: 17:00-21:00
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: TEPH1566-2SCS/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: E0J090227-001 C-2-99-5 TICs.....: N Report Results: Y
WO#.....: DLTCA-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	9.8792	79.0336		

Software Version: 4.1<2F12>
Sample Name : 227-01 Time : 10/23/00 03:28 PM
Sample Number: DLTCA102 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: 10/20/00 12:11 AM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

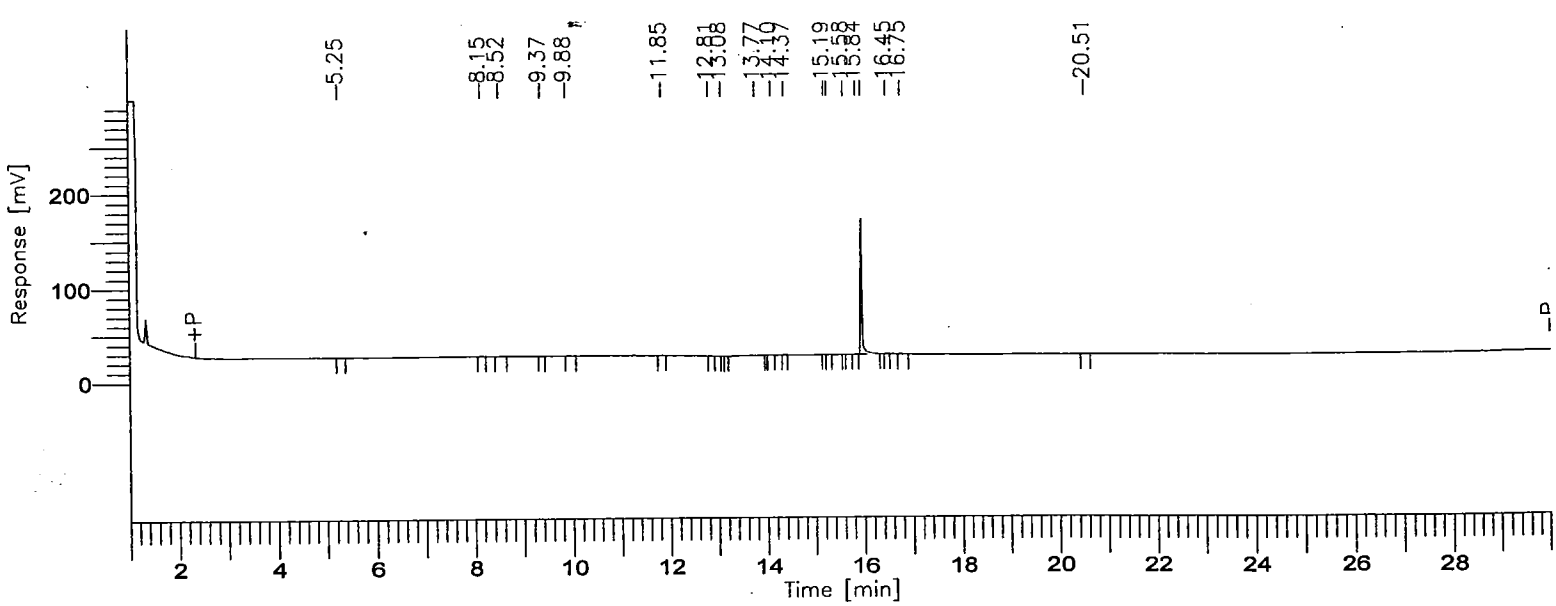
Raw Data File : C:\TC4\DATA_3\O18_056A.RAW
Result File : C:\TC4\DATA_3\O18_056A.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O18_056A.RS
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_3\O18A.SEQ

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
3.75	C8-C9	0	0.0000	-------	10.0	
6.07	C10-C11	618	0.0132	-------	10.0	
7.77	C12-C13	2362	0.0475	-------	10.0	
9.18	C14-C15	1040	0.0213	-------	10.0	
10.44	C16-C17	748	0.0153	-------	10.0	
11.58	C18-C19	1344	0.0276	-------	10.0	
13.05	C20-C23	12410	0.1307	-------	10.0	
14.78	C24-C27	4032	0.0464	-------	10.0	
16.36	C28-C31	362845	5.0065	-------	10.0	
18.35	C32-C35	0	0.0000	-------	10.0	
21.82	C36-C39	1763	0.0432	-------	10.0	
27.03	C40+	0	0.0000	-------	10.0	
		387161	5.3516			

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		618	0.0002	-------	10.0	
		618	0.0002			

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.15		1375	0.0003	-------	10.0	
8.51		987	0.0002	-------	10.0	

	2362	0.0006	

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.37		1040	0.0003	-------	10.0	
		1040	0.0003			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.88		748	0.0002	-------	10.0	
		748	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		1344	0.0003	-------	10.0	
		1344	0.0003			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.81		2294	0.0006	-------	10.0	
13.08		588	0.0001	-------	10.0	
13.77		9528	0.0024	-------	10.0	
		12410	0.0031			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.10		696	0.0002	-------	10.0	
14.37		2315	0.0006	-------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
[illegible].19		495	0.0001	-------	10.0	
15.25		526	0.0001	-------	10.0	
		4032	0.0010			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.58		698	0.0002	-------	10.0	
15.84		2012	0.0005	-------	10.0	
15.94		357682	0.0894	-------	10.0	
16.45		1120	0.0003	-------	10.0	
16.75		1332	0.0003	-------	10.0	
		362845	0.0907			

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
20.51		1763	0.0004	-------	10.0	
		1763	0.0004			

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\O18_056A.TXO

Software Version: 4.1<2F12>
Sample Name : 227-01 Time : 10/20/00 12:40 AM
Sample Number: DLTCA102 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: 10/20/00 12:11 AM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

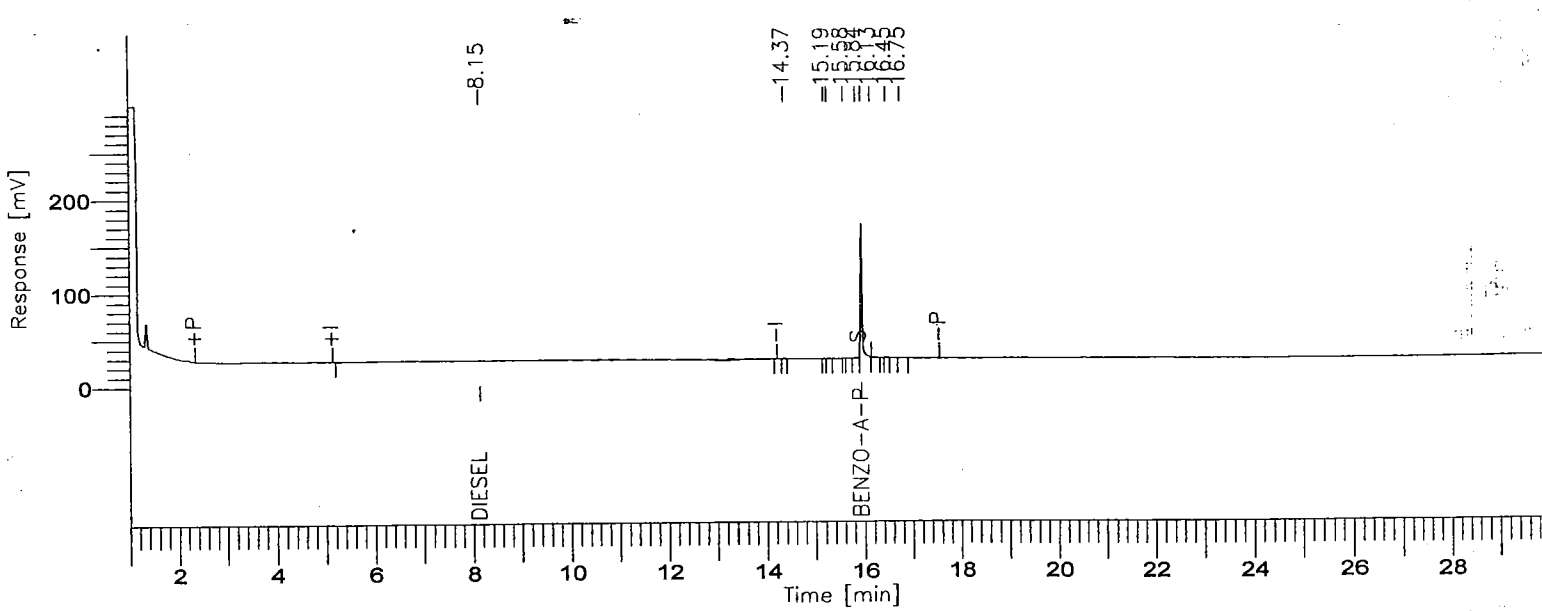
Raw Data File : C:\TC4\DATA_3\O18_056.RAW
Result File : C:\TC4\DATA_3\O18_056.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O18_056.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_3\O18.SEQ

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
8.15	DIESEL	43642	1.1170	-------	10.0	
15.94	BENZO-A-PYRENE	351732	9.8792	79.03	10.0	
		395373	10.9962			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O18_056.TX0

Severn Trent Laboratories, Inc.
Data Review

Date 10/25/2000
Time 15:43:47

Lot/Sample: E0J090227-001S C-2-99-5
WO#.....: DLTCA-1-0P
SAC.....: XX A 0B KI 01
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

TICs.....: N
Est. Results:
Dry Weight..:

Report Results: Y
Sig Fig Alg...:
Upload.....:

Analysis Date: 10/20/00
Inject Time..: 0:49 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O18_057
Instr ID: G03 Column: RTX-1 ID: .53
Sampling date.....:10/09/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/17 10:48:14
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/10/00
QC Batch.....: 0284522
MS Run Number: 0284311
Prep Time....: 17:00-17:00
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: TEPH1566-2SCS/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	210.8936	84.35	7.18		
	Sample amount: NA								
05013	Motor Oil Range Organic			250	NA	0	0		NA
	Sample amount: NA								
03052	TPH (as Diesel)			250	210.8936	84.35	7.18		
	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	9.8769	79.0152		NA

Software Version: 4.1<2F12>
Sample Name : 227-01 MS
Sample Number: DLTCA10PS
O rator :

Time : 10/20/00 01:19 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: 10/20/00 12:49 AM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_3\O18_057.RAW
Result File : C:\TC4\DATA_3\O18_057.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O18_057.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_3\O18.SEQ

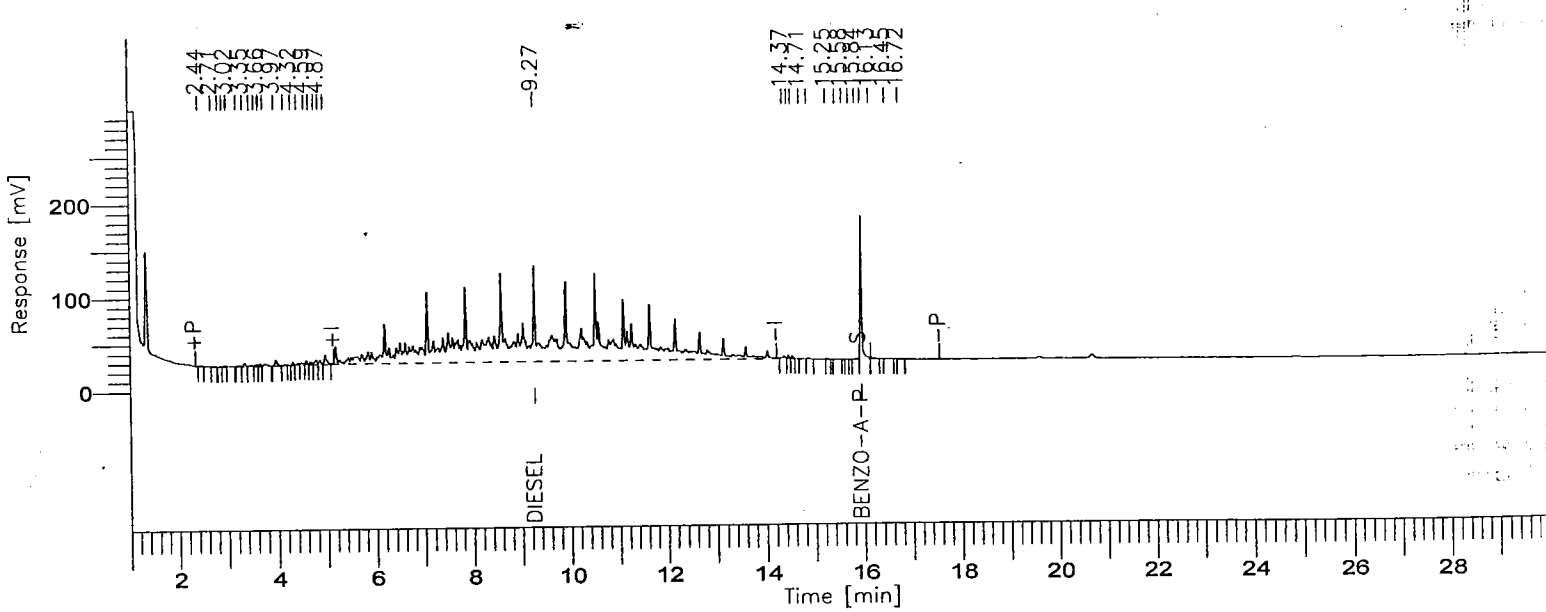
Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

Noise Threshold: 50
Area Threshold : 200
Bunch Factor: 1
' tiplier : 5.0000
Divisor : 20.0000
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	% RECOVERY	FN
9.267	DIESEL	8239672	210.8936	250.0000	84.36	
15.946	BENZO-A-PYRENE	351649	9.8769	12.5000	79.02	
		8591321				

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O18_057.TXO

Severn Trent Laboratories, Inc.
Data Review

Date 10/25/2000
Time 15:43:47

Lot/Sample: E0J090227-001D C-2-99-5
WO#.....: DLTCA-1-0Q
SAC.....: XX A 0B KI 01
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

TICs.....: N
Est. Results:
Dry Weight..:

Report Results: Y
Sig Fig Alg...: A
Upload.....: Y

Analysis Date: 10/20/00
Inject Time..: 1:28 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O18_058
Instr ID: G03 Column: RTX-1 ID: .53
Sampling date.....:10/09/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/17 10:48:14
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/10/00
QC Batch.....: 0284522
MS Run Number: 0284311
Prep Time....: 17:00-17:00
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: TEPH1566-2SCS/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	226.6186	90.64	7.18		
	Sample amount: NA								
05013	Motor Oil Range Organic			250	NA	0	0		NA
	Sample amount: NA								
03052	TPH (as Diesel)			250	226.6186	90.64	7.18		
	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	10.670	85.36		NA

Software Version: 4.1<2F12>
Sample Name : 227-01 MSD
Sample Number: DLTCA10QD
(rator :

Time : 10/23/00 02:12 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: 10/20/00 01:28 AM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_3\O18_058.RAW
Result File : C:\TC4\DATA_3\O18_058.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O18_058.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O18_058.RST
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O18_058.RST
Sequence File : C:\TC4\DATA_3\O18.SEQ

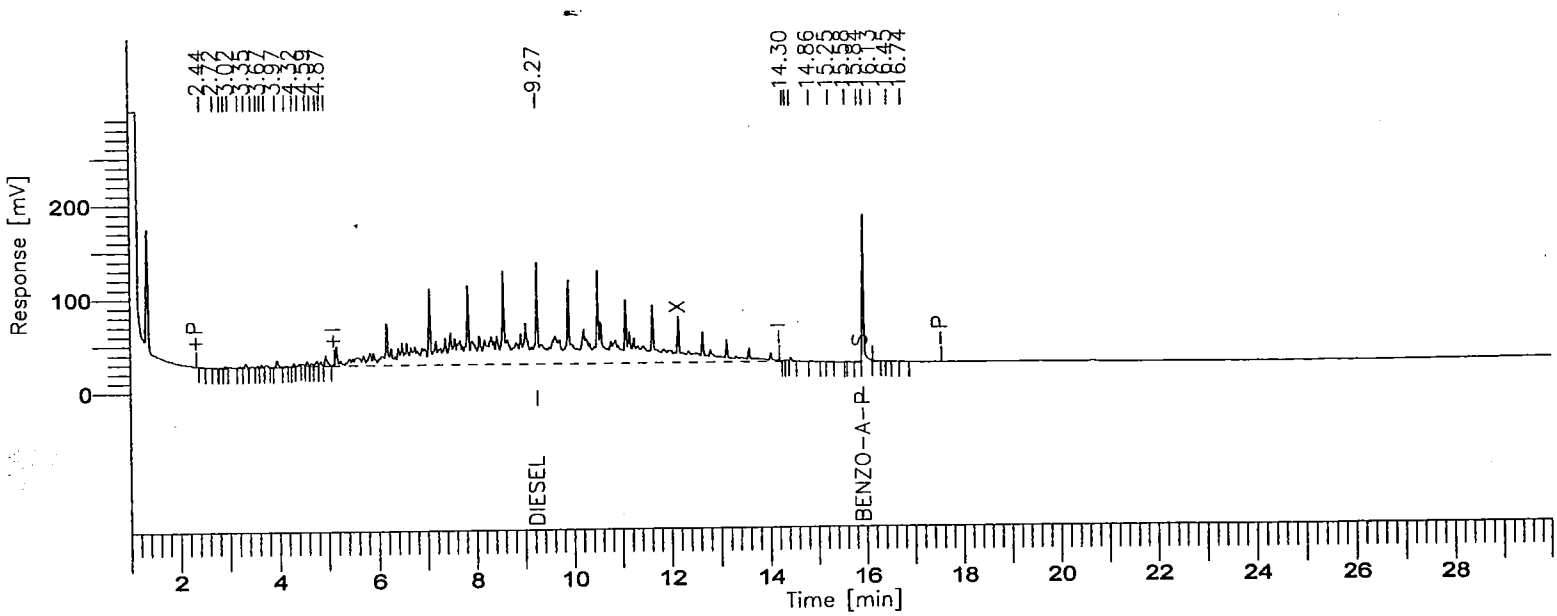
Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

Noise Threshold: 50
Area Threshold : 200
Bunch Factor: 1
I tiplier : 5.0000
Divisor : 20.0000
Addend : 0.0000
User1 : TPHDA
User2 :
User3 :
User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 32



000843

BOE-C6-0149961

8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% RECOVERY	FN
9.267	DIESEL	8854051	226.6186	250.0000	90.65	
15.944	BENZO-A-PYRENE	379885	10.6700	12.5000	85.36	
		9233936				

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O18_058.TXO

Lot/Sample: E0J090227-002 C-2-99-10 TICs.....: N Report Results: Y
WO#.....: DLTCE-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: 10/23/00
Inject Time..: 18:51 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O23_017A
Instr ID: G03 Column: RTX-1 ID: .53
Sampling date.....:10/09/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/25 19:04:29
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/10/00
QC Batch.....: 0284522
MS Run Number: 0284311
Prep Time....: 17:00-21:00
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: TEPH1566-2SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05120	C8-C9			ND	10	5		
05121	C10-C11			ND	10	5		
05122	C12-C13			ND	10	5		
05123	C14-C15			ND	10	5		
05124	C16-C17			ND	10	5		
05125	C18-C19			ND	10	5		
05201	C20-C23			ND	10	5		
05202	C24-C27			ND	10	5		
05203	C28-C31			ND	10	5		
05204	C32-C35			ND	10	5		
05205	C36-C39			ND	10	5		
05132	C40+			ND	10	5		
05136	Total Carbon Chain Rang			5.4007	10	5	J	J

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	12.563	100.508		

Notes:

J Estimated result. Result is less than RL.

(Continued on next page)

Lot/Sample: E0J090227-002 C-2-99-10 TICs.....: N Report Results: Y
WO#.....: DLTCE-1-02 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Notes:

Software Version: 4.1<2F12>
Sample Name : 227-02 Time : 10/25/00 03:42 PM
Sample Number: DLTCE102 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: 10/23/00 06:51 PM
Delay Time : 1.00 min.
End Time : 30.00 min. C-chain
Sampling Rate : 1.0000 pts/sec

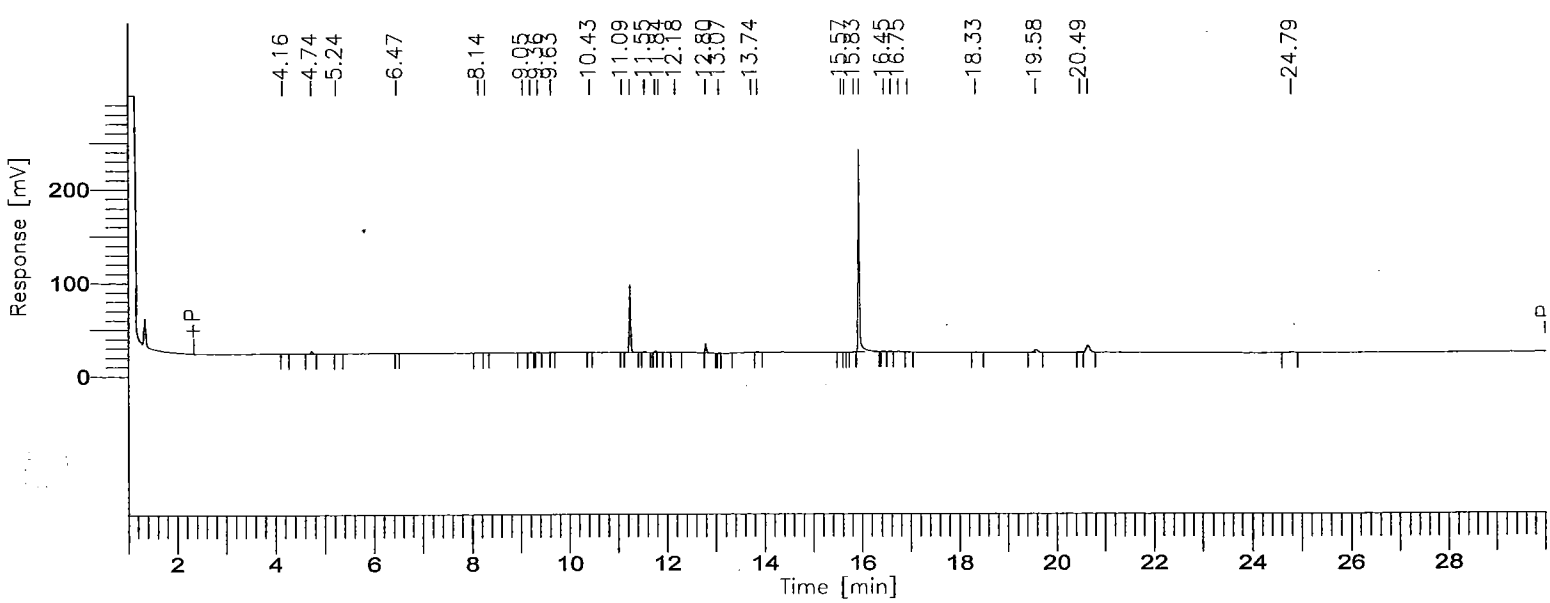
Raw Data File : C:\TC4\DATA_3\O23_017A.RAW
Result File : C:\TC4\DATA_3\O23_017A.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O23_017A.RS
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_3\O23A.SEQ

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: 34



000847

BOE-C6-0149965

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	6410	0.1467	-------	10.0	
6.07	C10-C11	2028	0.0433	-------	10.0	
7.77	C12-C13	3110	0.0625	-------	10.0	
9.18	C14-C15	4834	0.0989	-------	10.0	
10.44	C16-C17	1077	0.0221	-------	10.0	
11.58	C18-C19	137432	2.8243	-------	10.0	
13.05	C20-C23	31839	0.3353	-------	10.0	
14.78	C24-C27	1253	0.0144	-------	10.0	
16.36	C28-C31	470151	6.4870	-------	10.0	
18.35	C32-C35	1220	0.0229	-------	10.0	
21.82	C36-C39	49691	1.2164	-------	10.0	
27.03	C40+	5070	0.2987	-------	10.0	
		714116	11.5725			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
4.16		587	0.0001	-------	10.0	
4.74		5824	0.0015	-------	10.0	
		6410	0.0016			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.24		1010	0.0003	-------	10.0	
6.47		1018	0.0003	-------	10.0	
		2028	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		2595	0.0006	-------	10.0
[illegible].28		516	0.0001	-------	10.0
		3110	0.0008		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.05		704	0.0002	-------	10.0	
9.21		1382	0.0003	-------	10.0	
9.36		1962	0.0005	-------	10.0	
9.63		786	0.0002	-------	10.0	
		4834	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		1077	0.0003	-------	10.0	
		1077	0.0003			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.08		582	0.0001	-------	10.0	
11.25		129632	0.0324	-------	10.0	
11.55		2762	0.0007	-------	10.0	
11.77		2813	0.0007	-------	10.0	
11.84		1644	0.0004	-------	10.0	
		137432	0.0344			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.18		1418	0.0004	-------	10.0	
12.80		19371	0.0048	-------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
[illegible].07		1227	0.0003	-------	10.0	
13.74		6370	0.0016	-------	10.0	
13.86		3452	0.0009	-------	10.0	
		31839	0.0080			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.57		1253	0.0003	-------	10.0	
		1253	0.0003			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
[illegible].63		942	0.0002	-------	10.0	
15.83		2370	0.0006	-------	10.0	
15.93		458682	0.1147	-------	10.0	
16.45		2244	0.0006	-------	10.0	
16.59		1788	0.0004	-------	10.0	
16.75		2306	0.0006	-------	10.0	
16.94		1819	0.0005	-------	10.0	
		470151	0.1175			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
18.33		1220	0.0003	-------	10.0	
		1220	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		12391	0.0031	-------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
[illegible].49		3072	0.0008	-------	10.0	
20.64		34227	0.0086	-------	10.0	
		49691	0.0124			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
24.79		5070	0.0013	-------	10.0	
		5070	0.0013			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

[illegible] - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O23_017A.TX0

Software Version: 4.1<2F12>
Sample Name : 227-02 Time : 10/23/00 07:21 PM
Sample Number: DLTCE102 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: 10/23/00 06:51 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

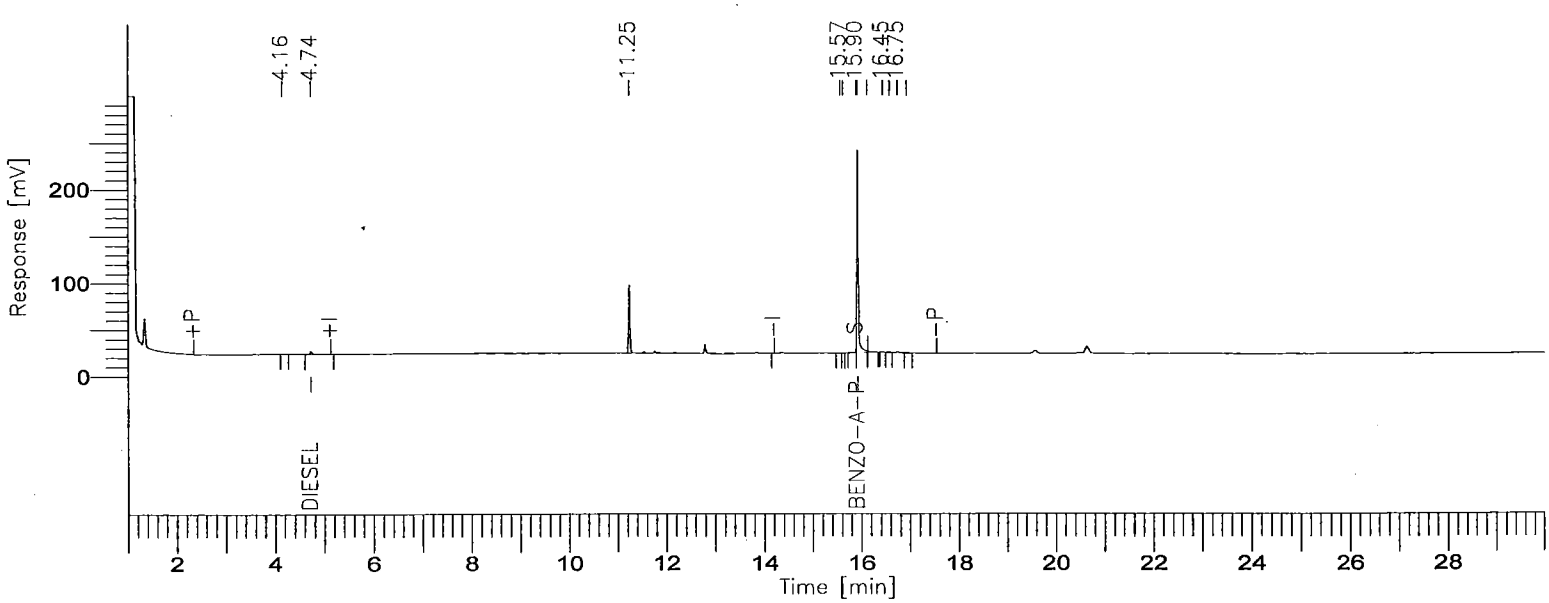
Raw Data File : C:\TC4\DATA_3\023_017.RAW
Result File : C:\TC4\DATA_3\023_017.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\023_017.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_3\023.SEQ

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	7684	0.1967	-------	10.0	
15.93	BENZO-A-PYRENE	447300	12.5635	100.51	10.0	
		454984	12.7601			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O23_017.TXO

PDE120 Severn Trent Laboratories, Inc. Date 10/25/2000
Page: 1 Data Review Time 18:05:46

Lot/Sample: E0J090227-003 C-2-99-15 TICs.....: N Report Results: Y
WO#.....: DLTCF-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: 10/23/00
Inject Time..: 19:30 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O23_018A
Instr ID: G03 Column: RTX-1 ID: .53
Sampling date.....:10/09/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/25 19:04:36
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/10/00
QC Batch.....: 0284522
MS Run Number: 0284311
Prep Time....: 17:00-21:00
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: TEPH1566-2SCS/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	11.430	91.4432		

Software Version: 4.1<2F12>
Sample Name : 227-03 Time : 10/25/00 03:42 PM
Sample Number: DLTCF102 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: 10/23/00 07:30 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

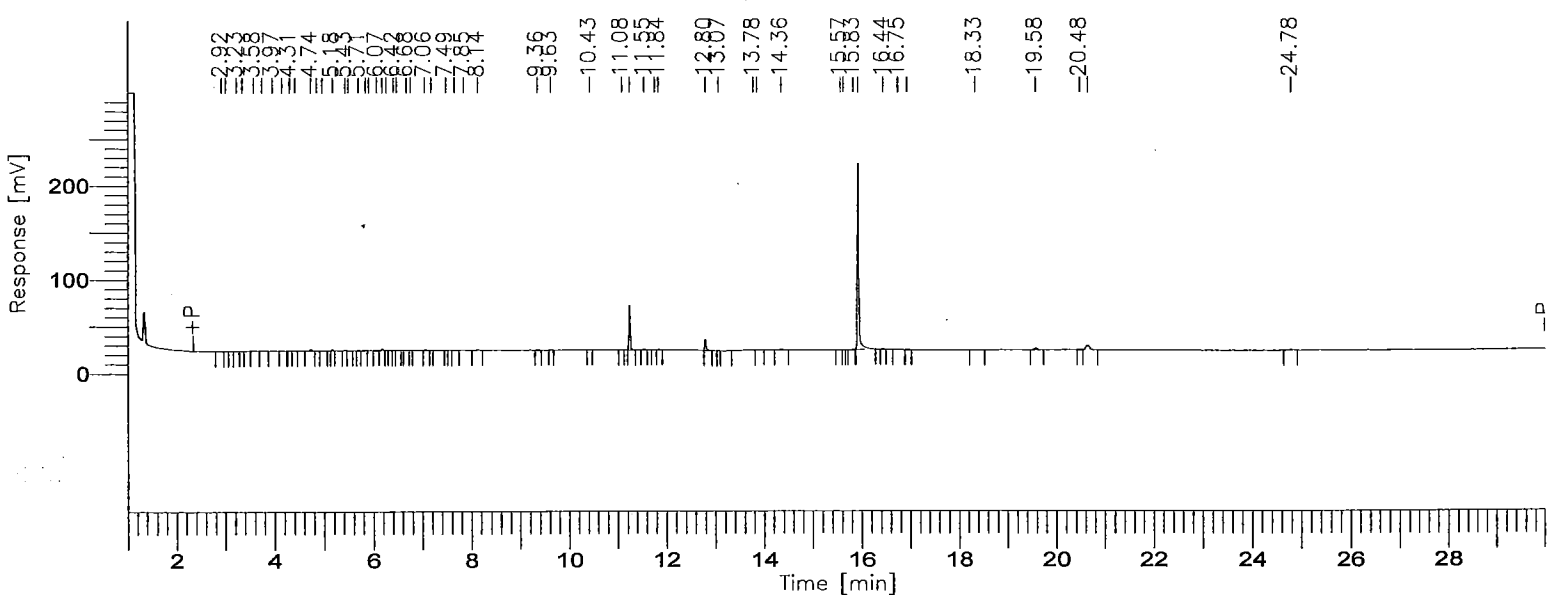
Raw Data File : C:\TC4\DATA_3\O23_018A.RAW
Result File : C:\TC4\DATA_3\O23_018A.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O23_018A.RS
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_3\O23A.SEQ

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: 57



000855

BOE-C6-0149973

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	24961	0.5711	-------	10.0	
6.07	C10-C11	21400	0.4565	-------	10.0	
7.77	C12-C13	9027	0.1814	-------	10.0	
9.18	C14-C15	3164	0.0647	-------	10.0	
10.44	C16-C17	892	0.0183	-------	10.0	
11.58	C18-C19	88386	1.8164	-------	10.0	
13.05	C20-C23	32983	0.3473	-------	10.0	
14.78	C24-C27	4815	0.0555	-------	10.0	
16.36	C28-C31	425674	5.8734	-------	10.0	
18.35	C32-C35	1462	0.0274	-------	10.0	
21.82	C36-C39	35056	0.8582	-------	10.0	
27.03	C40+	4012	0.2363	-------	10.0	
		651833	10.5065			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
2.92		1142	0.0003	-------	10.0	
3.01		674	0.0002	-------	10.0	
3.23		555	0.0001	-------	10.0	
3.35		532	0.0001	-------	10.0	
3.58		1564	0.0004	-------	10.0	
3.75		2504	0.0006	-------	10.0	
3.97		3930	0.0010	-------	10.0	
4.16		1162	0.0003	-------	10.0	
4.31		997	0.0002	-------	10.0	
4.42		1013	0.0003	-------	10.0	
4.74		6474	0.0016	-------	10.0	
4.86		1637	0.0004	-------	10.0	
4.97		2776	0.0007	-------	10.0	
		24961	0.0062			

Group Report For : C10-C11

Time	Component	Area	Final Results	% SURR	REP. LIMIT	FN

[min]	Name	[µV·s]	(ppm)	REC	mg/kg
[illegible].18		3030	0.0008	-------	10.0
[illegible].43		1501	0.0004	-------	10.0
5.50		1452	0.0004	-------	10.0
5.71		1676	0.0004	-------	10.0
5.85		1918	0.0005	-------	10.0
5.92		912	0.0002	-------	10.0
6.07		1510	0.0004	-------	10.0
6.18		3959	0.0010	-------	10.0
6.27		982	0.0002	-------	10.0
6.42		1606	0.0004	-------	10.0
6.48		1846	0.0005	-------	10.0
6.68		606	0.0002	-------	10.0
6.76		403	0.0001	-------	10.0
		21400	0.0054		

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
[illegible]06		2837	0.0007	-------	10.0	
[illegible].18		590	0.0001	-------	10.0	
7.49		286	0.0001	-------	10.0	
7.66		882	0.0002	-------	10.0	
7.85		1774	0.0004	-------	10.0	
8.14		2658	0.0007	-------	10.0	
		9027	0.0023			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.36		1843	0.0005	-------	10.0	
9.63		1321	0.0003	-------	10.0	
		3164	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		892	0.0002	-------	10.0	

892	0.0002	

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.08		498	0.0001	-------	10.0	
11.25		83536	0.0209	-------	10.0	
11.55		1711	0.0004	-------	10.0	
11.77		936	0.0002	-------	10.0	
11.84		1705	0.0004	-------	10.0	
		88386	0.0221			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.80		21548	0.0054	-------	10.0	
13.07		1214	0.0003	-------	10.0	
13.78		7325	0.0018	-------	10.0	
13.86		2896	0.0007	-------	10.0	
		32983	0.0082			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.36		3721	0.0009	-------	10.0	
15.57		1094	0.0003	-------	10.0	
		4815	0.0012			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.63		781	0.0002	-------	10.0	
15.83		1968	0.0005	-------	10.0	
15.93		417265	0.1043	-------	10.0	
16.44		1916	0.0005	-------	10.0	
16.75		2410	0.0006	-------	10.0	
16.93		1334	0.0003	-------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
		425674	0.1064			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
18.33		1462	0.0004	-------	10.0	
		1462	0.0004			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
19.58		7910	0.0020	-------	10.0	
20.48		1563	0.0004	-------	10.0	
2^ 64		25583	0.0064	-------	10.0	
		35056	0.0088			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
24.78		4012	0.0010	-------	10.0	
		4012	0.0010			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O23_018A.TXO

Software Version: 4.1<2F12>
Sample Name : 227-03 Time : 10/23/00 08:00 PM
Sample Number: DLTCF102 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: 10/23/00 07:30 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

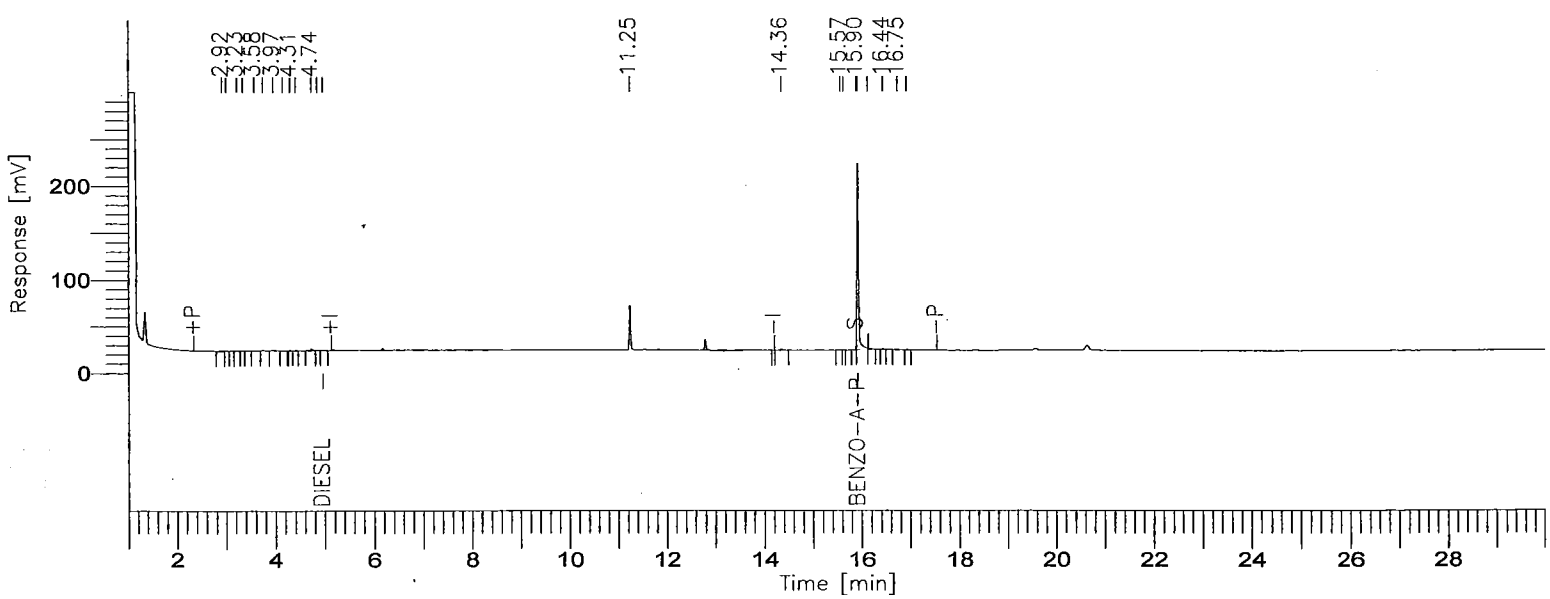
Raw Data File : C:\TC4\DATA_3\023_018.RAW
Result File : C:\TC4\DATA_3\023_018.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\023_018.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_3\023.SEQ

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

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 23



000860

BOE-C6-0149978

8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
4.97	DIESEL	2776	0.0711	-------	10.0	
15.93	BENZO-A-PYRENE	406958	11.4304	91.44	10.0	
		409734	11.5014			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O23_018.TX0

Lot/Sample: E0J090227-004 C-2-100-5 TICs.....: N Report Results: Y
WO#.....: DLTCG-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: 10/23/00
Inject Time..: 20:10 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: 023_019A
Instr ID: G03 Column: RTX-1 ID: .53
Sampling date.....:10/09/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/25 19:04:42
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/10/00
QC Batch.....: 0284522
MS Run Number: 0284311
Prep Time....: 17:00-21:00
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: TEPH1566-2SCS/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	11.339	90.7136		

Software Version: 4.1<2F12>
Sample Name : 227-04 Time : 10/25/00 03:42 PM
Sample Number: DLTCG102 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: 10/23/00 08:10 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

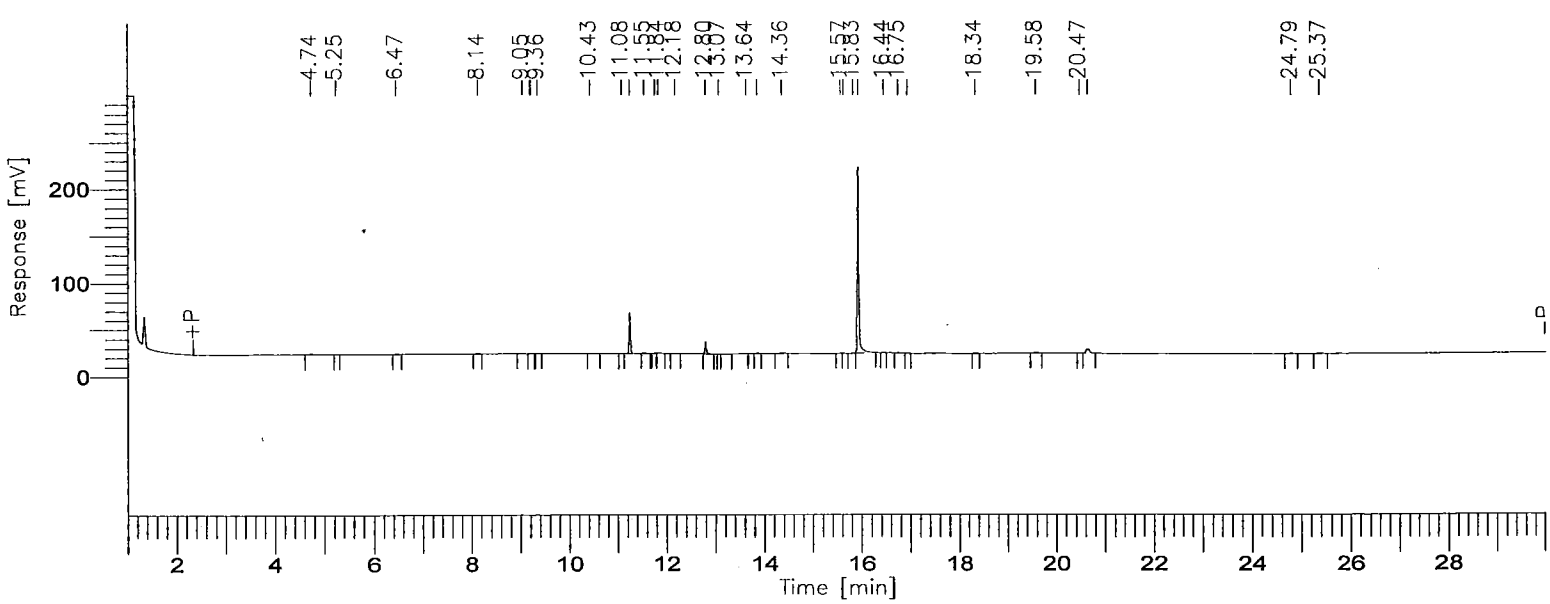
Raw Data File : C:\TC4\DATA_3\O23_019A.RAW
Result File : C:\TC4\DATA_3\O23_019A.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O23_019A.RS
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_3\O23A.SEQ

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



000863

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	4681	0.1071	-------	10.0	
6.07	C10-C11	1475	0.0315	-------	10.0	
7.77	C12-C13	2292	0.0461	-------	10.0	
9.18	C14-C15	3394	0.0694	-------	10.0	
10.44	C16-C17	1415	0.0291	-------	10.0	
11.58	C18-C19	83638	1.7188	-------	10.0	
13.05	C20-C23	29293	0.3085	-------	10.0	
14.78	C24-C27	4617	0.0532	-------	10.0	
16.36	C28-C31	421203	5.8117	-------	10.0	
18.35	C32-C35	984	0.0185	-------	10.0	
21.82	C36-C39	30662	0.7506	-------	10.0	
27.03	C40+	7180	0.4230	-------	10.0	
		590832	9.3672			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
4.74		4681	0.0012	-------	10.0	
		4681	0.0012			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.25		662	0.0002	-------	10.0	
6.47		812	0.0002	-------	10.0	
		1475	0.0004			

Group Report For : C12-C13

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

8.14		2292	0.0006	-------	10.0
		2292	0.0006		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.05		622	0.0002	-------	10.0	
9.21		966	0.0002	-------	10.0	
9.36		1806	0.0005	-------	10.0	
		3394	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		1415	0.0004	-------	10.0	
		1415	0.0004			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.08		354	0.0001	-------	10.0	
11.25		78614	0.0197	-------	10.0	
11.55		1692	0.0004	-------	10.0	
11.77		1362	0.0003	-------	10.0	
11.84		1616	0.0004	-------	10.0	
		83638	0.0209			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.18		841	0.0002	-------	10.0	
12.80		24320	0.0061	-------	10.0	
13.07		1302	0.0003	-------	10.0	
13.64		1294	0.0003	-------	10.0	
13.86		1536	0.0004	-------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
		29293	0.0073			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.36		3221	0.0008	-------	10.0	
15.57		1396	0.0003	-------	10.0	
		4617	0.0012			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.63		966	0.0002	-------	10.0	
15.83		2092	0.0005	-------	10.0	
15.93		412971	0.1032	-------	10.0	
16.44		1957	0.0005	-------	10.0	
16.75		1894	0.0005	-------	10.0	
16.94		1322	0.0003	-------	10.0	
		421203	0.1053			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
18.34		984	0.0002	-------	10.0	
		984	0.0002			

Group Report For : C36-C39

Time in]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
19.58		6904	0.0017	-------	10.0	
20.47		764	0.0002	-------	10.0	
20.64		22993	0.0057	-------	10.0	

	30662	0.0077

oup Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
24.79		3813	0.0010	-------	10.0	
25.37		3367	0.0008	-------	10.0	
		7180	0.0018			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O23_019A.TX0

Software Version: 4.1<2F12>
Sample Name : 227-04 Time : 10/23/00 08:39 PM
Sample Number: DLTCG102 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: 10/23/00 08:10 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

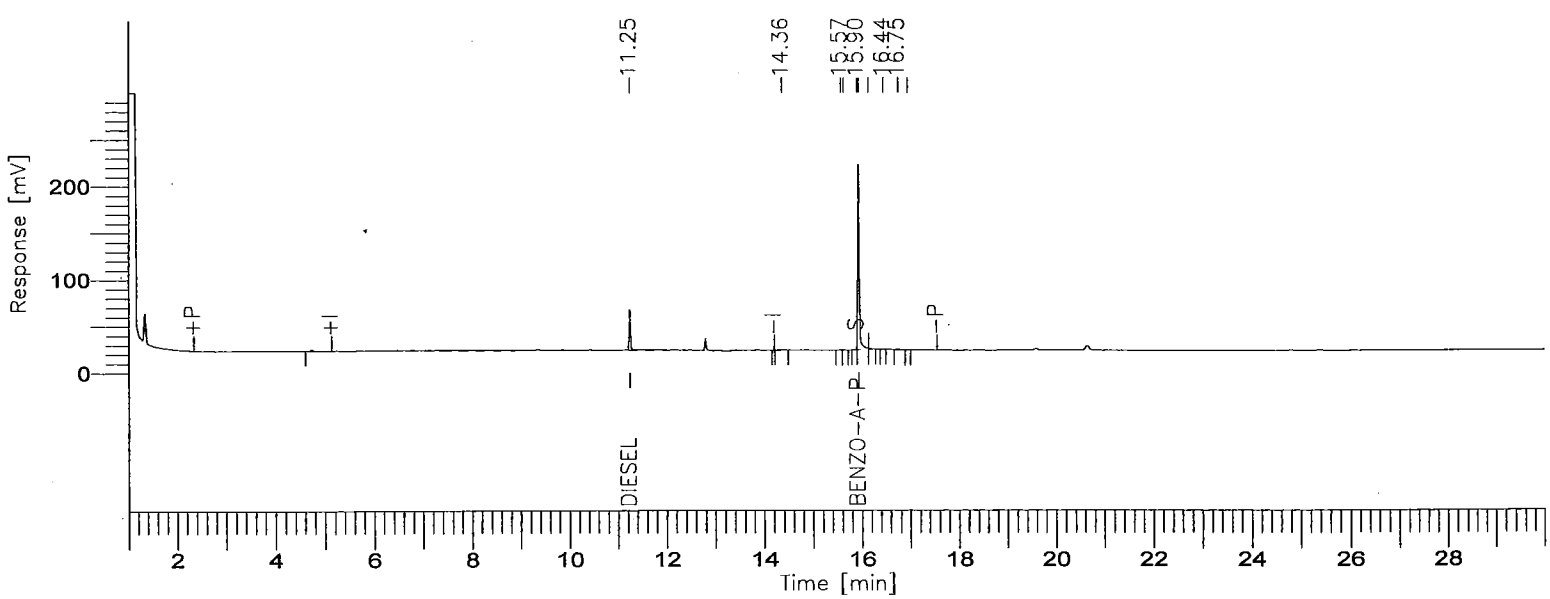
Raw Data File : C:\TC4\DATA_3\O23_019.RAW
Result File : C:\TC4\DATA_3\O23_019.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O23_019.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_3\O23.SEQ

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
11.25	DIESEL	182373	4.6678	-------	10.0	
15.93	BENZO-A-PYRENE	403713	11.3392	90.71	10.0	
		586086	16.0071			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O23_019.TXO

Lot/Sample: E0J090227-005 C-2-100-10 TICs.....: N Report Results: Y
WO#.....: DLTCH-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: 10/23/00
Inject Time..: 20:49 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O23_020A
Instr ID: G03 Column: RTX-1 ID: .53
Sampling date.....:10/09/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/25 19:04:48
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/10/00
QC Batch.....: 0284522
MS Run Number: 0284311
Prep Time....: 17:00-21:00
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: TEPH1566-2SCS/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	12.020	96.1648		

Software Version: 4.1<2F12>
Sample Name : 227-05 Time : 10/25/00 03:42 PM
Sample Number: DLTCH102 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: 10/23/00 08:49 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

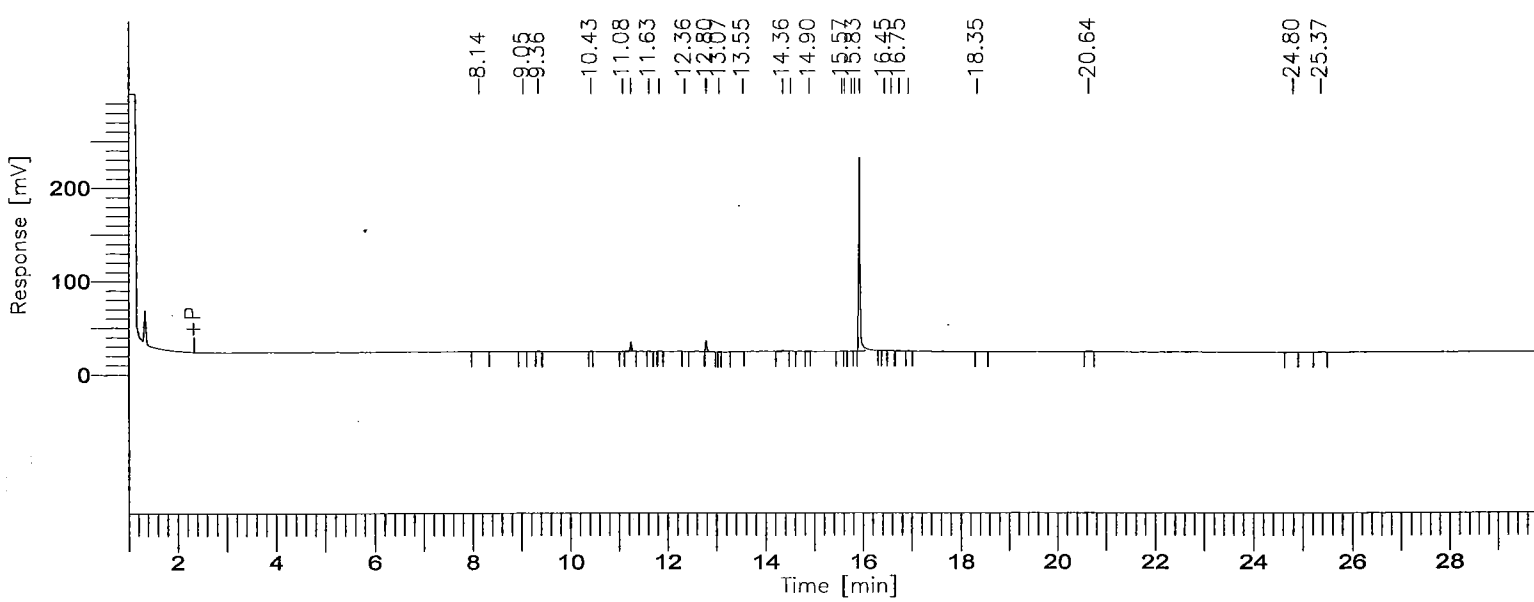
Raw Data File : C:\TC4\DATA_3\O23_020A.RAW
Result File : C:\TC4\DATA_3\O23_020A.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O23_020A.RS
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_3\O23A.SEQ

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



000871

BOE-C6-0149989

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	0	0.0000	-------	10.0	
7.77	C12-C13	2825	0.0568	-------	10.0	
9.18	C14-C15	2409	0.0493	-------	10.0	
10.44	C16-C17	462	0.0095	-------	10.0	
11.58	C18-C19	20388	0.4190	-------	10.0	
13.05	C20-C23	25458	0.2681	-------	10.0	
14.78	C24-C27	7747	0.0892	-------	10.0	
16.36	C28-C31	449710	6.2050	-------	10.0	
18.35	C32-C35	927	0.0174	-------	10.0	
21.82	C36-C39	3927	0.0961	-------	10.0	
27.03	C40+	4602	0.2711	-------	10.0	
		518454	7.4814			

Group Report For : C8-C9

No peaks available to report

Group Report For : C10-C11

No peaks available to report

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.14		2825	0.0007	-------	10.0	
		2825	0.0007			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
[illegible].05		608	0.0002	-------	10.0	
9.36		1801	0.0005	-------	10.0	
		2409	0.0006			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.43		462	0.0001	-------	10.0	
		462	0.0001			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
1[illegible] 08		420	0.0001	-------	10.0	
1[illegible].25		18042	0.0045	-------	10.0	
11.63		422	0.0001	-------	10.0	
11.84		1504	0.0004	-------	10.0	
		20388	0.0051			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.36		560	0.0001	-------	10.0	
12.80		22066	0.0055	-------	10.0	
13.07		1315	0.0003	-------	10.0	
13.55		1516	0.0004	-------	10.0	
		25458	0.0064			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.36		4257	0.0011	-------	10.0	
14.52		1319	0.0003	-------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.90		627	0.0002	-------	10.0	
15.57		1544	0.0004	-------	10.0	
		7747	0.0019			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.63		919	0.0002	-------	10.0	
15.77		667	0.0002	-------	10.0	
15.83		2102	0.0005	-------	10.0	
15.93		438566	0.1096	-------	10.0	
16.45		2048	0.0005	-------	10.0	
16.59		1713	0.0004	-------	10.0	
16.75		2418	0.0006	-------	10.0	
16.94		1277	0.0003	-------	10.0	
		449710	0.1124			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
18.35		927	0.0002	-------	10.0	
		927	0.0002			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
20.64		3927	0.0010	-------	10.0	
		3927	0.0010			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
24.80		1470	0.0004	-------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
2 .37		3132	0.0008	-------	10.0	
		4602	0.0012			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O23_020A.TX0

Software Version: 4.1<2F12>
Sample Name : 227-05 Time : 10/23/00 09:18 PM
Sample Number: DLTCH102 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: 10/23/00 08:49 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

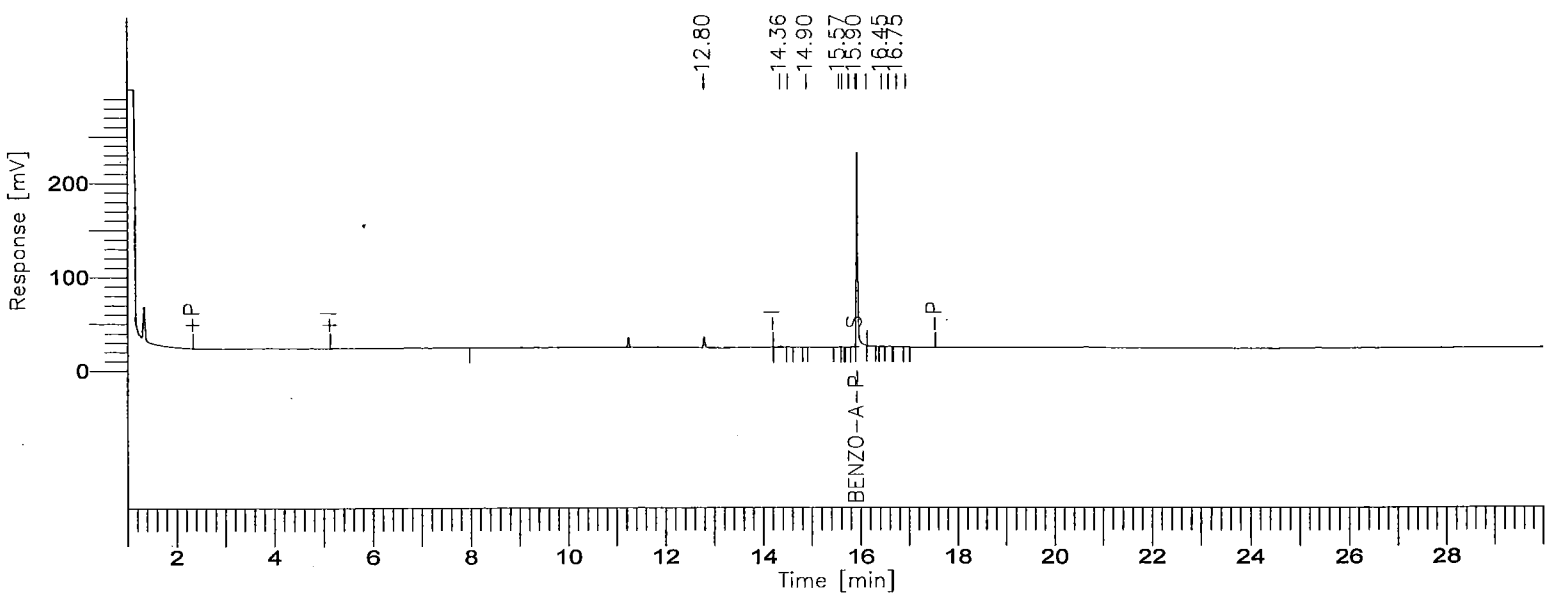
Raw Data File : C:\TC4\DATA_3\O23_020.RAW
Result File : C:\TC4\DATA_3\O23_020.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O23_020.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_3\O23.SEQ

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
7.62	DIESEL	0	0.0000	-------	10.0	
15.93	BENZO-A-PYRENE	427971	12.0206	96.16	10.0	
		427971	12.0206			

Missing Component Report

Component	Expected Retention (Calibration File)
DIESEL	7.618

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O23_020.TX0

Lot/Sample: E0J090227-006 C-2-100-15 TICs.....: N Report Results: Y
WO#.....: DLTCK-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: 10/23/00
Inject Time..: 21:28 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O23_021A
Instr ID: G03 Column: RTX-1 ID: .53
Sampling date.....:10/09/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/25 19:04:55
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/10/00
QC Batch.....: 0284522
MS Run Number: 0284311
Prep Time....: 17:00-21:00
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: TEPH1566-2SCS/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	13.290	106.3224		

Software Version: 4.1<2F12>
Sample Name : 227-06 Time : 10/25/00 03:42 PM
Sample Number: DLTCK102 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: 10/23/00 09:28 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

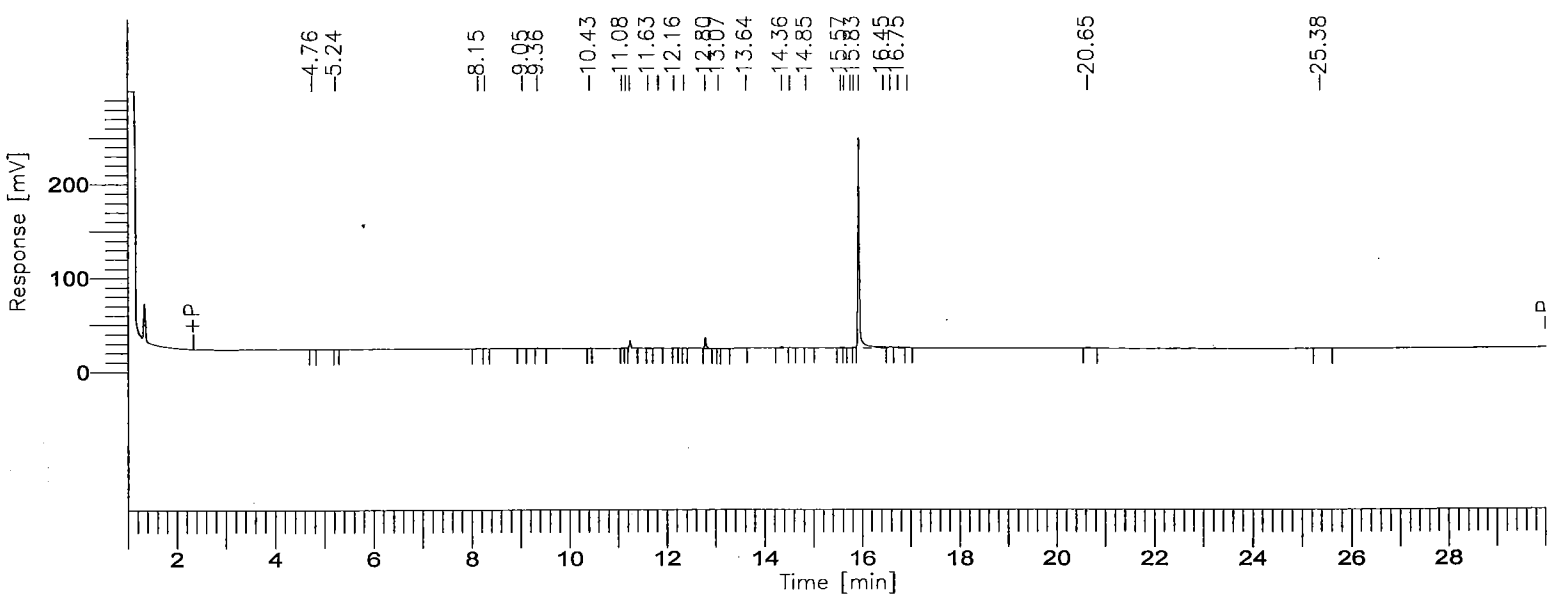
Raw Data File : C:\TC4\DATA_3\O23_021A.RAW
Result File : C:\TC4\DATA_3\O23_021A.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O23_021A.RS
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_3\O23A.SEQ

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



000879

BOE-C6-0149997

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	622	0.0142	-------	10.0	
6.07	C10-C11	567	0.0121	-------	10.0	
7.77	C12-C13	2878	0.0578	-------	10.0	
9.18	C14-C15	2391	0.0489	-------	10.0	
10.44	C16-C17	479	0.0098	-------	10.0	
11.58	C18-C19	19819	0.4073	-------	10.0	
13.05	C20-C23	26772	0.2819	-------	10.0	
14.78	C24-C27	8522	0.0982	-------	10.0	
16.36	C28-C31	518747	7.1576	-------	10.0	
18.35	C32-C35	0	0.0000	-------	10.0	
21.82	C36-C39	3587	0.0878	-------	10.0	
27.03	C40+	4484	0.2641	-------	10.0	
		588868	8.4398			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
4.76		622	0.0002	-------	10.0	
		622	0.0002			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.24		567	0.0001	-------	10.0	
		567	0.0001			

(up Report For : C12-C13

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

8.15		2444	0.0006	-------	10.0
8.28		434	0.0001	-------	10.0
		2878	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		600	0.0001	-------	10.0	
9.36		1791	0.0004	-------	10.0	
		2391	0.0006			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.43		479	0.0001	-------	10.0	
		479	0.0001			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.08		762	0.0002	-------	10.0	
11.17		459	0.0001	-------	10.0	
11.25		15707	0.0039	-------	10.0	
11.63		827	0.0002	-------	10.0	
11.84		2064	0.0005	-------	10.0	
		19819	0.0050			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
1[illegible].16		586	0.0001	-------	10.0	
1[illegible].36		565	0.0001	-------	10.0	
12.80		22424	0.0056	-------	10.0	
13.07		1219	0.0003	-------	10.0	
13.64		1977	0.0005	-------	10.0	

26772	0.0067	

.oup Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.36		4753	0.0012	-------	10.0	
14.53		1255	0.0003	-------	10.0	
14.85		863	0.0002	-------	10.0	
15.57		1651	0.0004	-------	10.0	
		8522	0.0021			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.63		1029	0.0003	-------	10.0	
15.77		527	0.0001	-------	10.0	
15.83		2614	0.0007	-------	10.0	
15.93		490407	0.1226	-------	10.0	
[illegible].45		10878	0.0027	-------	10.0	
16.59		5855	0.0015	-------	10.0	
16.75		5663	0.0014	-------	10.0	
16.94		1774	0.0004	-------	10.0	
		518747	0.1297			

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
20.65		3587	0.0009	-------	10.0	
		3587	0.0009			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
.38		4484	0.0011	-------	10.0	
		4484	0.0011			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O23_021A.TX0

Software Version: 4.1<2F12>
Sample Name : 227-06 Time : 10/23/00 09:58 PM
Sample Number: DLTCK102 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: 10/23/00 09:28 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

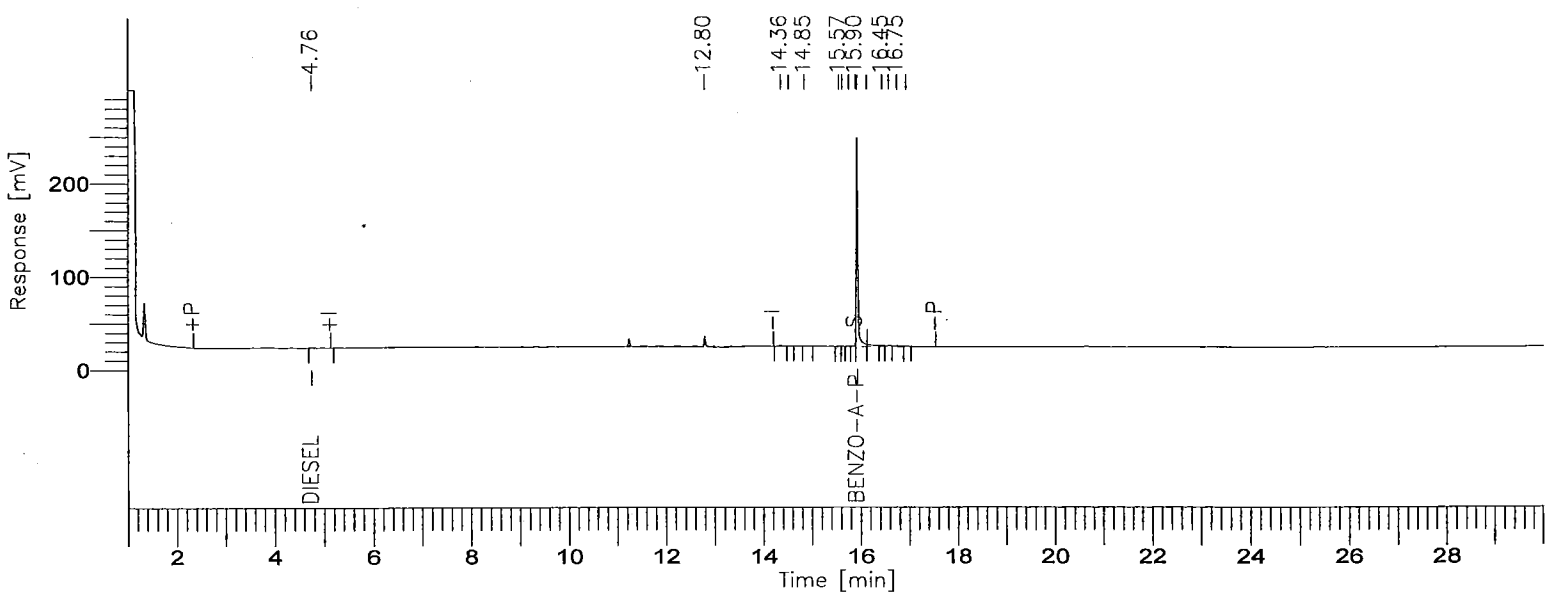
Raw Data File : C:\TC4\DATA_3\O23_021.RAW
Result File : C:\TC4\DATA_3\O23_021.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O23_021.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_3\O23.SEQ

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: 15



000884

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	1842	0.0471	-------	10.0	
15.93	BENZO-A-PYRENE	473177	13.2903	106.32	10.0	
		475019	13.3375			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O23_021.TX0

Lot/Sample: E0J090227-007 C-2-101-1 TICs.....: N Report Results: Y
WO#.....: DLTCL-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: 10/23/00
Inject Time..: 22:07 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O23_022A
Instr ID: G03 Column: RTX-1 ID: .53
Sampling date.....:10/09/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/25 19:05:07
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/10/00
QC Batch.....: 0284522
MS Run Number: 0284311
Prep Time....: 17:00-21:00
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: TEPH1566-2SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05120	C8-C9			ND	10	5		
05121	C10-C11			ND	10	5		
05122	C12-C13			ND	10	5		
05123	C14-C15			ND	10	5		
05124	C16-C17			ND	10	5		
05125	C18-C19			ND	10	5		
05201	C20-C23			ND	10	5		
05202	C24-C27			ND	10	5		
05203	C28-C31			ND	10	5		
05204	C32-C35			ND	10	5		
05205	C36-C39			ND	10	5		
05132	C40+			ND	10	5		
05136	Total Carbon Chain Rang			5.1635	10	5	J	J

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	11.203	89.6312		

Notes:

J Estimated result. Result is less than RL.

(Continued on next page)

Lot/Sample: E0J090227-007 C-2-101-1 TICs.....: N Report Results: Y
WO#.....: DLTCL-1-02 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Notes:

Software Version: 4.1<2F12>
Sample Name : 227-07 Time : 10/25/00 03:42 PM
Sample Number: DLTCL102 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: 10/23/00 10:07 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

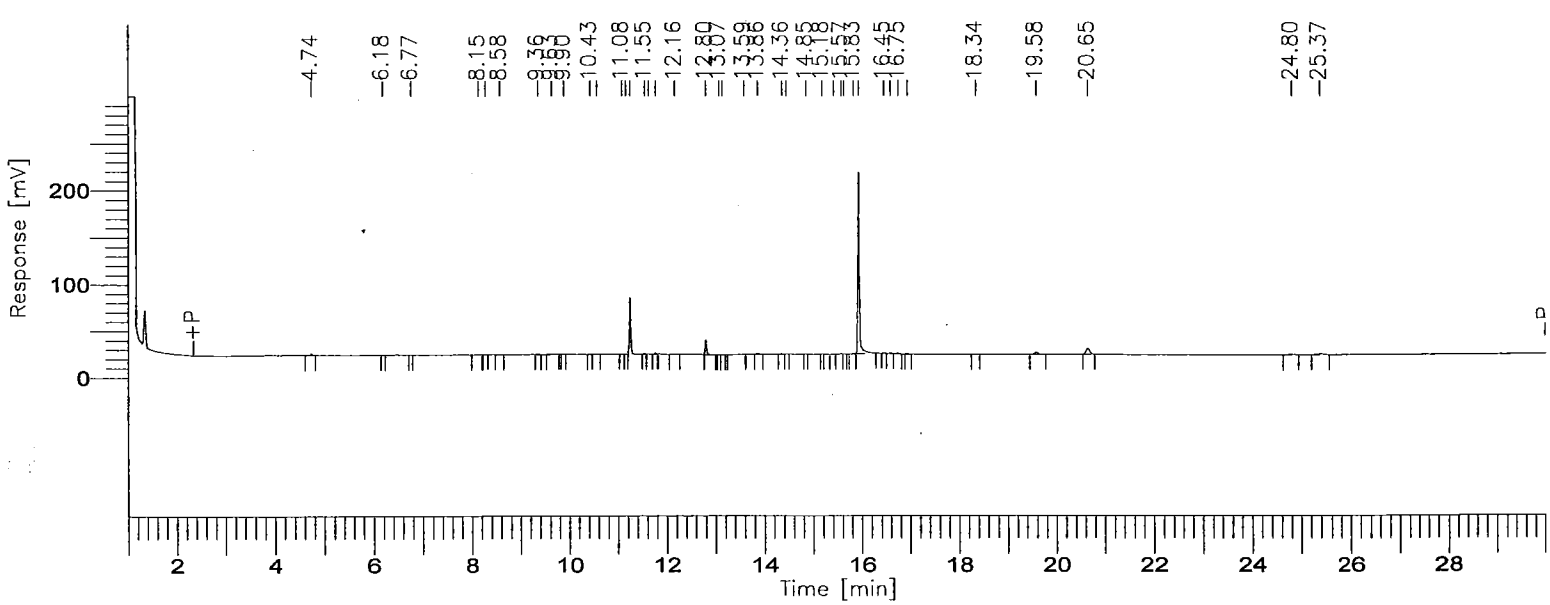
Raw Data File : C:\TC4\DATA_3\O23_022A.RAW
Result File : C:\TC4\DATA_3\O23_022A.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O23_022A.RS
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_3\O23A.SEQ

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: 41



000888

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	4226	0.0967	-------	10.0	
6.07	C10-C11	886	0.0189	-------	10.0	
7.77	C12-C13	2805	0.0564	-------	10.0	
9.18	C14-C15	3147	0.0644	-------	10.0	
10.44	C16-C17	3941	0.0809	-------	10.0	
11.58	C18-C19	120436	2.4750	-------	10.0	
13.05	C20-C23	39139	0.4121	-------	10.0	
14.78	C24-C27	5411	0.0623	-------	10.0	
16.36	C28-C31	415911	5.7387	-------	10.0	
18.35	C32-C35	1022	0.0192	-------	10.0	
21.82	C36-C39	39273	0.9614	-------	10.0	
27.03	C40+	11570	0.6816	-------	10.0	
		647768	10.6675			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
4.74		4226	0.0011	-------	10.0	
		4226	0.0011			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
6.18		464	0.0001	-------	10.0	
6.77		423	0.0001	-------	10.0	
		886	0.0002			

Group Report For : C12-C13

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

8.15		2408	0.0006	-------	10.0
8.28		397	0.0001	-------	10.0
		2805	0.0007		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.58		824	0.0002	-------	10.0	
9.36		1703	0.0004	-------	10.0	
9.63		620	0.0002	-------	10.0	
		3147	0.0008			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.89		746	0.0002	-------	10.0	
10.43		1168	0.0003	-------	10.0	
10.57		2027	0.0005	-------	10.0	
		3941	0.0010			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.08		1111	0.0003	-------	10.0	
11.16		1243	0.0003	-------	10.0	
11.25		112022	0.0280	-------	10.0	
11.55		2113	0.0005	-------	10.0	
11.63		1274	0.0003	-------	10.0	
11.77		2673	0.0007	-------	10.0	
		120436	0.0301			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.16		2084	0.0005	-------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.80		31544	0.0079	-------	10.0	
13.07		1084	0.0003	-------	10.0	
13.13		514	0.0001	-------	10.0	
13.59		1883	0.0005	-------	10.0	
13.86		2030	0.0005	-------	10.0	
		39139	0.0098			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.36		2309	0.0006	-------	10.0	
14.45		444	0.0001	-------	10.0	
14.85		630	0.0002	-------	10.0	
15.18		260	0.0001	-------	10.0	
15.42		399	0.0001	-------	10.0	
15.57		1369	0.0003	-------	10.0	
		5411	0.0014			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.63		1088	0.0003	-------	10.0	
15.83		1928	0.0005	-------	10.0	
15.93		405948	0.1015	-------	10.0	
16.45		1961	0.0005	-------	10.0	
16.59		1524	0.0004	-------	10.0	
16.75		2317	0.0006	-------	10.0	
16.94		1145	0.0003	-------	10.0	
		415911	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		1022	0.0003	-------	10.0	
		1022	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		9633	0.0024	-------	10.0	
20.65		29640	0.0074	-------	10.0	
		39273	0.0098			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
24.80		4176	0.0010	-------	10.0	
25.37		7394	0.0018	-------	10.0	
		11570	0.0029			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O23_022A.TXO

Software Version: 4.1<2F12>
Sample Name : 227-07 Time : 10/23/00 10:37 PM
Sample Number: DLTCL102 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: 10/23/00 10:07 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

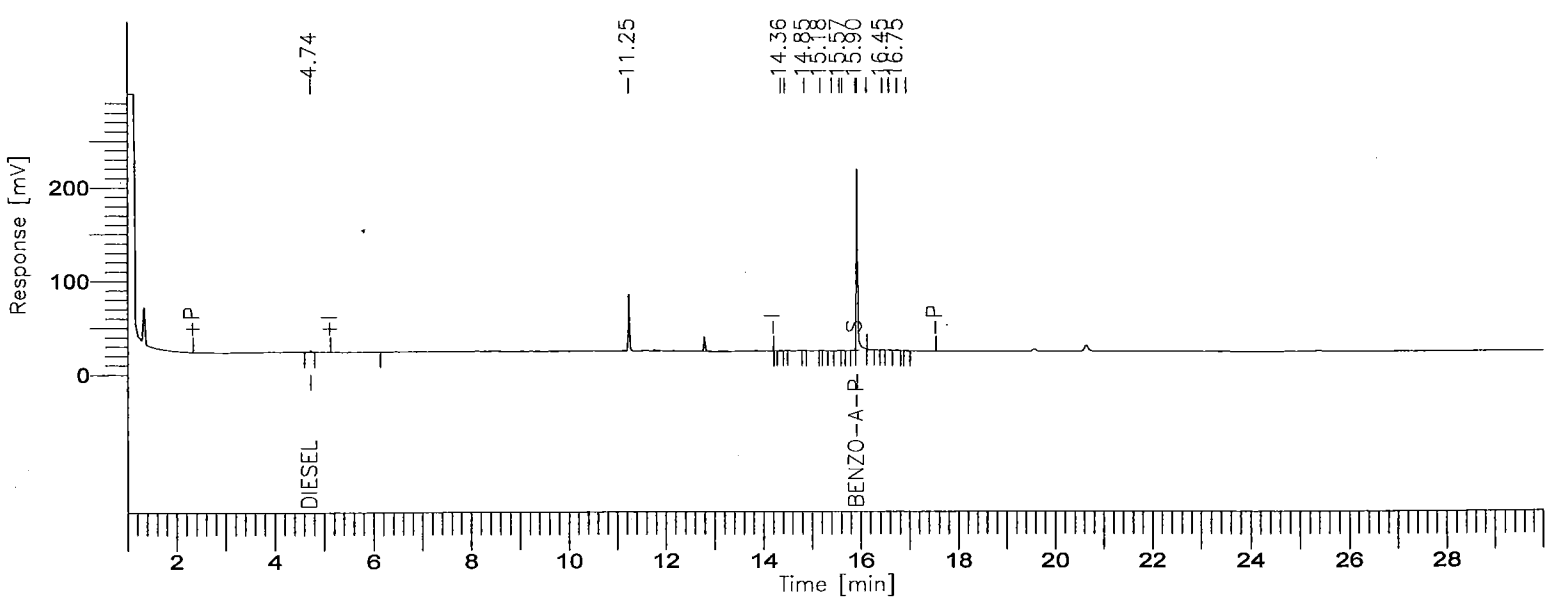
Raw Data File : C:\TC4\DATA_3\O23_022.RAW
Result File : C:\TC4\DATA_3\O23_022.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O23_022.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_3\O23.SEQ

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



000893

BOE-C6-0150011

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	4226	0.1082	-------	10.0	
15.93	BENZO-A-PYRENE	398896	11.2039	89.63	10.0	
		403122	11.3121			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O23_022.TXO

Lot/Sample: E0J090227-008 C-2-101-5 TICs.....: N Report Results: Y
WO#.....: DLTCM-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: 10/23/00
Inject Time..: 22:47 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O23_023A
Instr ID: G03 Column: RTX-1 ID: .53
Sampling date.....:10/09/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/26 13:28:03
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/10/00
QC Batch.....: 0284522
MS Run Number: 0284311
Prep Time....: 17:00-21:00
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: TEPH1566-2SCS/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	12.458	99.6656		

Software Version: 4.1<2F12>
Sample Name : 227-08 Time : 10/25/00 03:42 PM
Sample Number: DLTCM102 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: 10/23/00 10:47 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

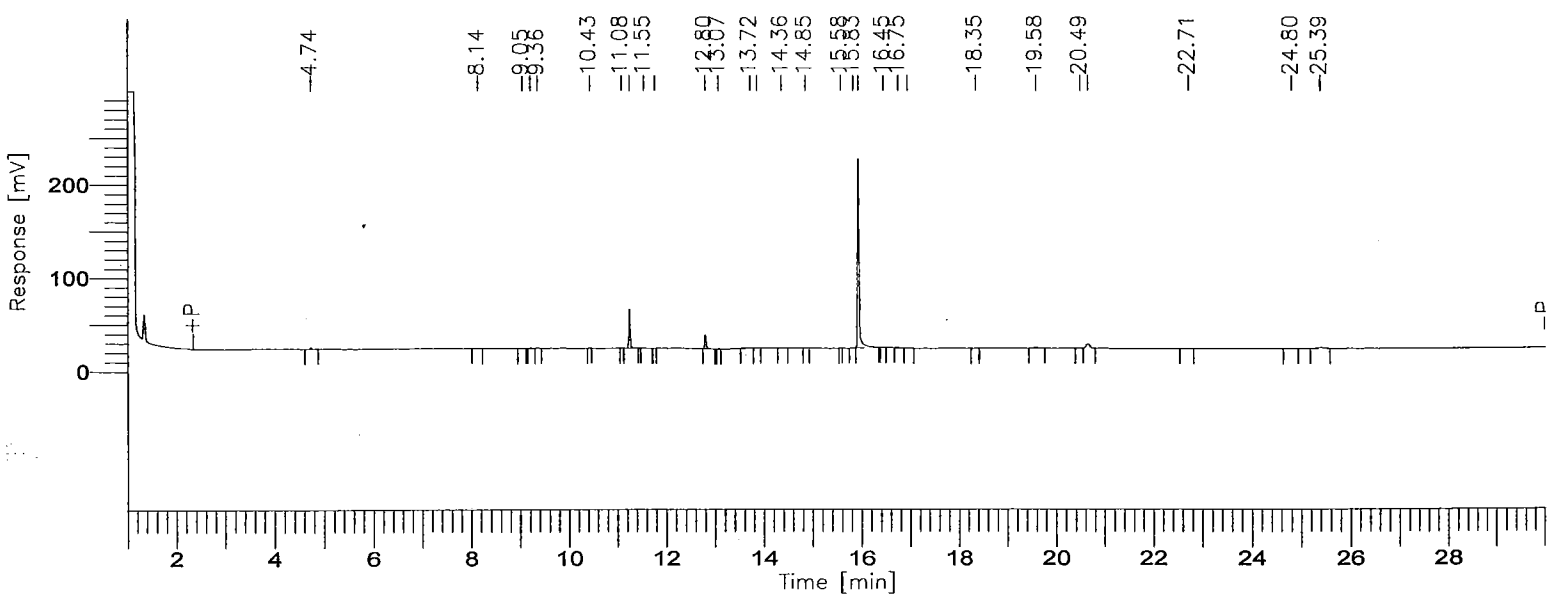
Raw Data File : C:\TC4\DATA_3\O23_023A.RAW
Result File : C:\TC4\DATA_3\O23_023A.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O23_023A.RS
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_3\O23A.SEQ

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



000896

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	3380	0.0773	-------	10.0	
6.07	C10-C11	0	0.0000	-------	10.0	
7.77	C12-C13	1992	0.0400	-------	10.0	
9.18	C14-C15	3665	0.0750	-------	10.0	
10.44	C16-C17	834	0.0171	-------	10.0	
11.58	C18-C19	77410	1.5908	-------	10.0	
13.05	C20-C23	36507	0.3844	-------	10.0	
14.78	C24-C27	3753	0.0432	-------	10.0	
16.36	C28-C31	462147	6.3766	-------	10.0	
18.35	C32-C35	1094	0.0205	-------	10.0	
21.82	C36-C39	34404	0.8422	-------	10.0	
27.03	C40+	13138	0.7739	-------	10.0	
		638324	10.2412			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
4.74		3380	0.0008	-------	10.0	
		3380	0.0008			

Group Report For : C10-C11

No peaks available to report

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.14		1992	0.0005	-------	10.0	
		1992	0.0005			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.05		689	0.0002	-------	10.0	
9.21		1442	0.0004	-------	10.0	
9.36		1534	0.0004	-------	10.0	
		3665	0.0009			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.43		834	0.0002	-------	10.0	
		834	0.0002			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.08		332	0.0001	-------	10.0	
11.25		75163	0.0188	-------	10.0	
11.55		1551	0.0004	-------	10.0	
11.77		364	0.0001	-------	10.0	
		77410	0.0194			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.80		31280	0.0078	-------	10.0	
13.07		1162	0.0003	-------	10.0	
13.72		2298	0.0006	-------	10.0	
13.86		1767	0.0004	-------	10.0	
		36507	0.0091			

Group Report For : C24-C27

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

14.36	2340	0.0006	-------	10.0	
[illegible].85	594	0.0001	-------	10.0	
[illegible].58	819	0.0002	-------	10.0	
	3753	0.0009			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.83		2229	0.0006	-------	10.0	
15.94		454091	0.1135	-------	10.0	
16.45		2110	0.0005	-------	10.0	
16.75		2095	0.0005	-------	10.0	
16.94		1622	0.0004	-------	10.0	
		462147	0.1155			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
18.35		1094	0.0003	-------	10.0	
		1094	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		6495	0.0016	-------	10.0	
20.49		2695	0.0007	-------	10.0	
20.65		22766	0.0057	-------	10.0	
22.71		2448	0.0006	-------	10.0	
		34404	0.0086			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
24.80		3796	0.0009	-------	10.0	
25.39		9342	0.0023	-------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
		13138	0.0033			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O23_023A.TX0

Software Version: 4.1<2F12>
Sample Name : 227-08 Time : 10/23/00 11:16 PM
Sample Number: DLTCM102 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: 10/23/00 10:47 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

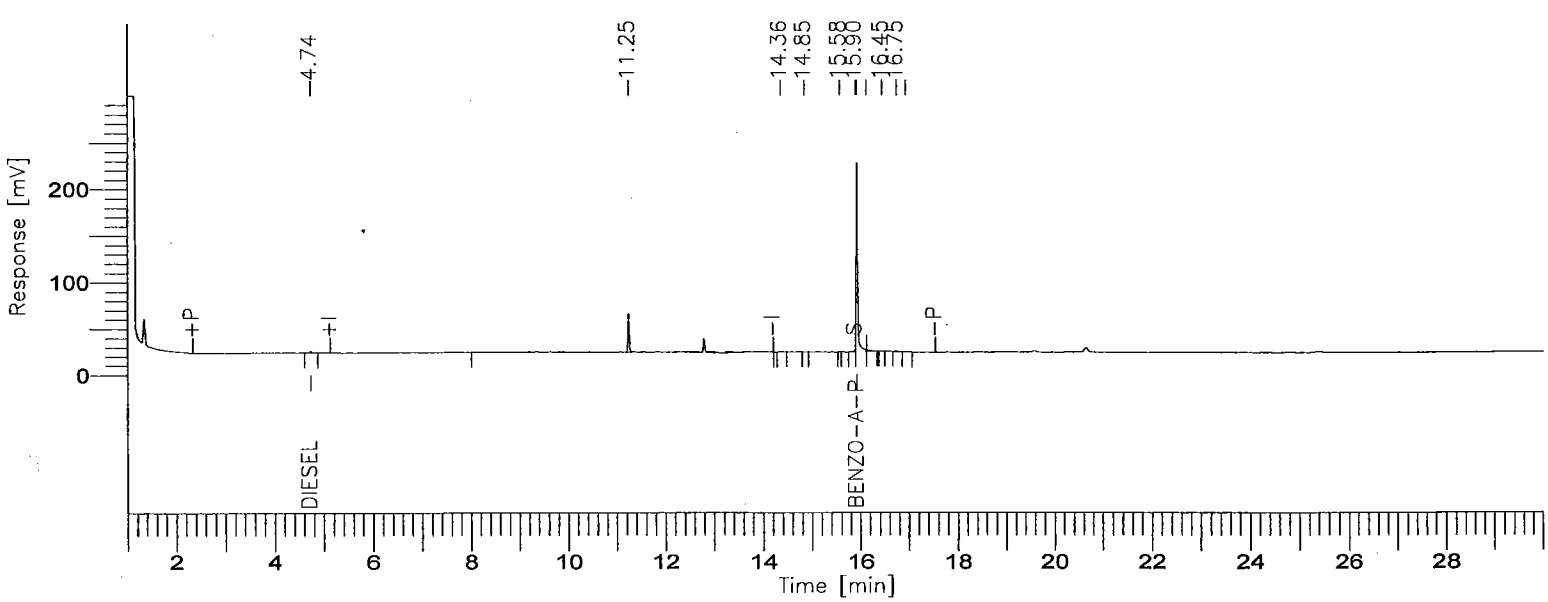
Raw Data File : C:\TC4\DATA_3\O23_023.RAW
Result File : C:\TC4\DATA_3\O23_023.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O23_023.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_3\O23.SEQ

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



000901

BOE-C6-0150019

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	3380	0.0865	-------	10.0	
15.94	BENZO-A-PYRENE	443552	12.4582	99.67	10.0	
		446932	12.5447			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O23_023.TX0

Lot/Sample: E0J090227-009 C-2-102-5 TICs.....: N Report Results: Y
WO#.....: DLTCN-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: 10/23/00
Inject Time..: 23:26 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O23_024A
Instr ID: G03 Column: RTX-1 ID: .53
Sampling date.....:10/09/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/25 19:05:27
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/10/00
QC Batch.....: 0284522
MS Run Number: 0284311
Prep Time....: 17:00-21:00
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: TEPH1566-2SCS/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	10.407	83.2576		

Software Version: 4.1<2F12>
Sample Name : 227-09 Time : 10/25/00 03:43 PM
Sample Number: DLTCN102 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: 10/23/00 11:26 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

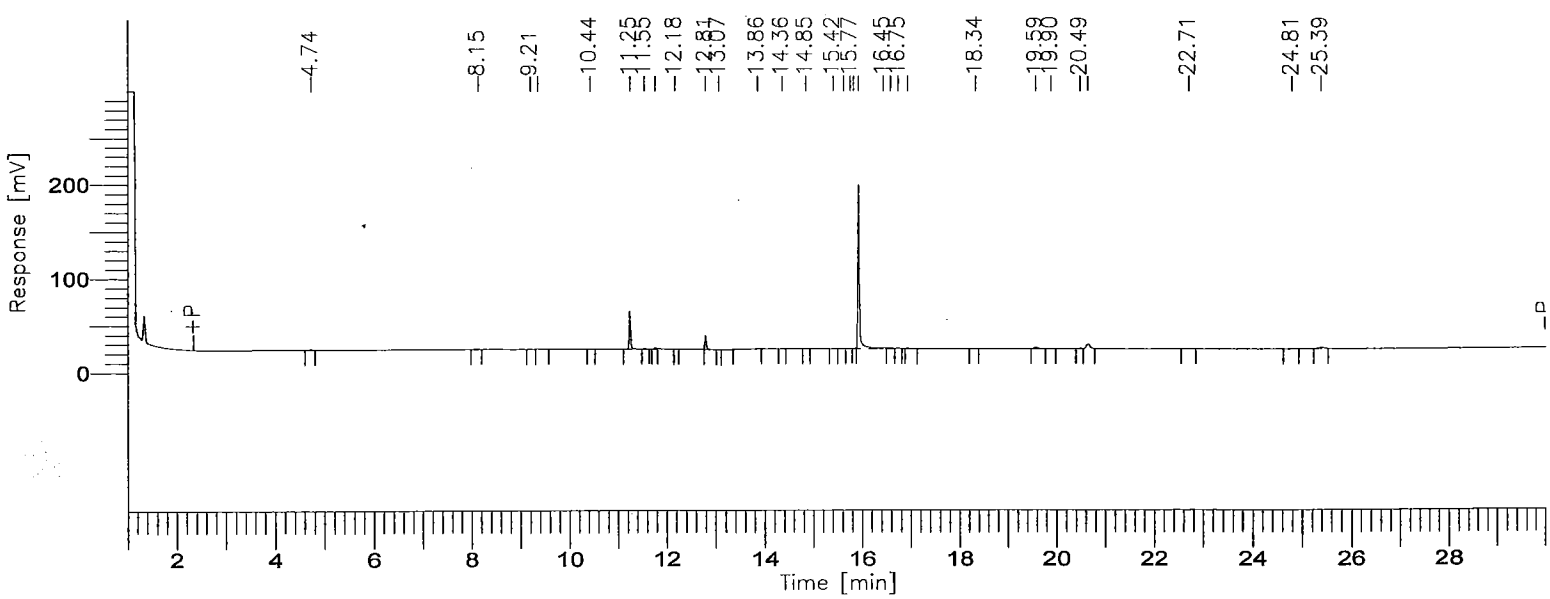
Raw Data File : C:\TC4\DATA_3\O23_024A.RAW
Result File : C:\TC4\DATA_3\O23_024A.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O23_024A.RS
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_3\O23A.SEQ

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	2997	0.0686	-------	10.0	
6.07	C10-C11	0	0.0000	-------	10.0	
7.77	C12-C13	2173	0.0437	-------	10.0	
9.18	C14-C15	3058	0.0626	-------	10.0	
10.44	C16-C17	888	0.0182	-------	10.0	
11.58	C18-C19	84212	1.7306	-------	10.0	
13.05	C20-C23	40138	0.4227	-------	10.0	
14.78	C24-C27	3211	0.0370	-------	10.0	
16.36	C28-C31	402010	5.5469	-------	10.0	
18.35	C32-C35	1059	0.0199	-------	10.0	
21.82	C36-C39	33932	0.8306	-------	10.0	
27.03	C40+	12851	0.7570	-------	10.0	
		586529	9.5377			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
4.74		2997	0.0007	-------	10.0	
		2997	0.0007			

Group Report For : C10-C11

No peaks available to report

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.15		2173	0.0005	-------	10.0	
		2173	0.0005			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.21		1330	0.0003	-------	10.0	
9.36		1728	0.0004	-------	10.0	
		3058	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		888	0.0002	-------	10.0	
		888	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		79479	0.0199	-------	10.0	
11.55		1516	0.0004	-------	10.0	
11.77		3216	0.0008	-------	10.0	
		84212	0.0211			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.18		563	0.0001	-------	10.0	
12.80		31490	0.0079	-------	10.0	
13.07		1288	0.0003	-------	10.0	
13.86		6798	0.0017	-------	10.0	
		40138	0.0100			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.36		1600	0.0004	-------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
[illegible].85		1006	0.0003	-------	10.0	
15.41		604	0.0002	-------	10.0	
		3211	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		1901	0.0005	-------	10.0	
15.77		582	0.0001	-------	10.0	
15.83		1945	0.0005	-------	10.0	
15.94		383513	0.0959	-------	10.0	
16.45		7066	0.0018	-------	10.0	
16.59		3495	0.0009	-------	10.0	
16.75		2100	0.0005	-------	10.0	
16.94		1408	0.0004	-------	10.0	
		402010	0.1005			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
18.34		1059	0.0003	-------	10.0	
		1059	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		6044	0.0015	-------	10.0	
19.90		1357	0.0003	-------	10.0	
20.49		1707	0.0004	-------	10.0	
20.65		21978	0.0055	-------	10.0	
22.71		2846	0.0007	-------	10.0	
		33932	0.0085			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
.81		3752	0.0009	-------	10.0	
25.39		9099	0.0023	-------	10.0	
		12851	0.0032			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O23_024A.TXO

Software Version: 4.1<2F12>
Sample Name : 227-09 Time : 10/23/00 11:55 PM
Sample Number: DLTCN102 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: 10/23/00 11:26 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

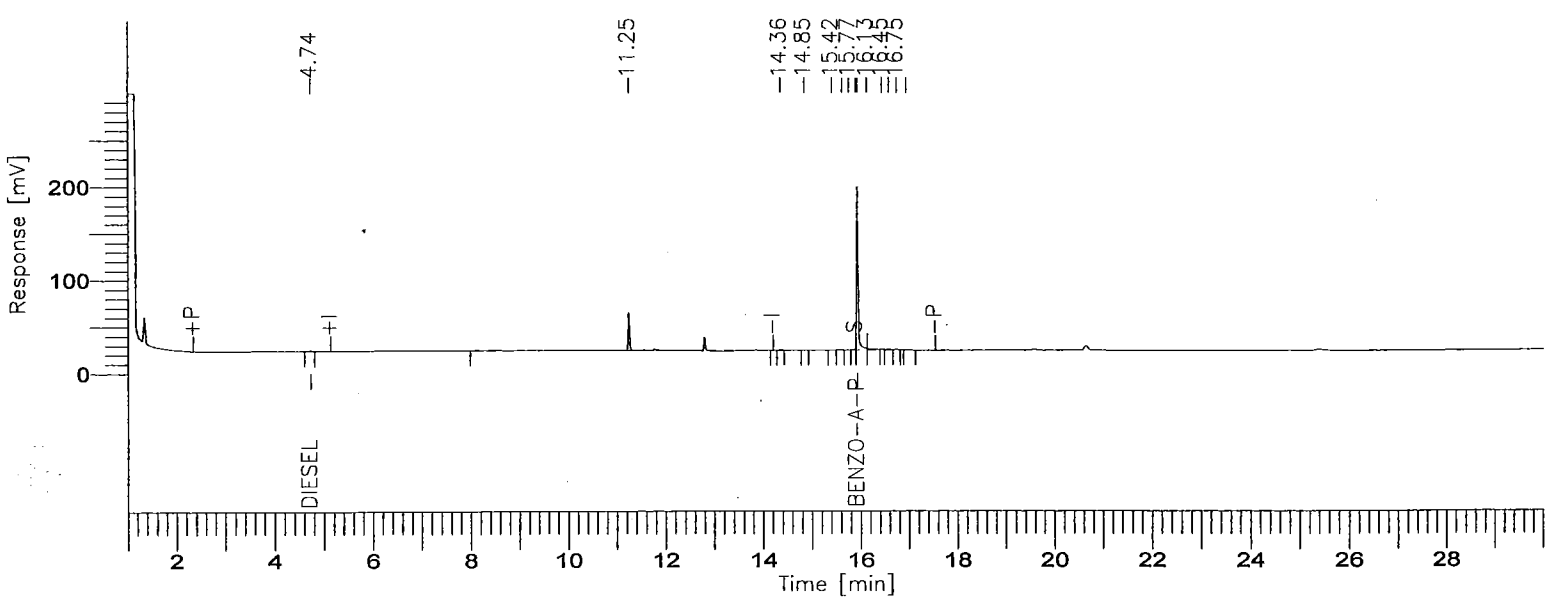
Raw Data File : C:\TC4\DATA_3\O23_024.RAW
Result File : C:\TC4\DATA_3\O23_024.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O23_024.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_3\O23.SEQ

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	2997	0.0767	-------	10.0	
15.94	BENZO-A-PYRENE	370530	10.4072	83.26	10.0	
		373527	10.4839			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O23_024.TX0

Lot/Sample: E0J090227-010 C-2-103-5 TICs.....: N Report Results: Y
WO#.....: DLTCP-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: 10/24/00
Inject Time..: 0:05 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O23_025A
Instr ID: G03 Column: RTX-1 ID: .53
Sampling date.....:10/09/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/25 19:05:38
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/10/00
QC Batch.....: 0284522
MS Run Number: 0284311
Prep Time....: 17:00-21:00
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: TEPH1566-2SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05120	C8-C9			ND	10	5		
05121	C10-C11			ND	10	5		
05122	C12-C13			ND	10	5		
05123	C14-C15			ND	10	5		
05124	C16-C17			ND	10	5		
05125	C18-C19			ND	10	5		
05201	C20-C23			ND	10	5		
05202	C24-C27			ND	10	5		
05203	C28-C31			ND	10	5		
05204	C32-C35			ND	10	5		
05205	C36-C39			ND	10	5		
05132	C40+			ND	10	5		
05136	Total Carbon Chain Rang			6.1251	10	5	J	J

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	11.389	91.116		

Notes:

J Estimated result. Result is less than RL.

(Continued on next page)

Lot/Sample: E0J090227-010 C-2-103-5 TICs.....: N Report Results: Y
WO#.....: DLTCP-1-02 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Notes:

Software Version: 4.1<2F12>
Sample Name : 227-10 Time : 10/25/00 03:43 PM
Sample Number: DLTCP102 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: 10/24/00 12:05 AM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

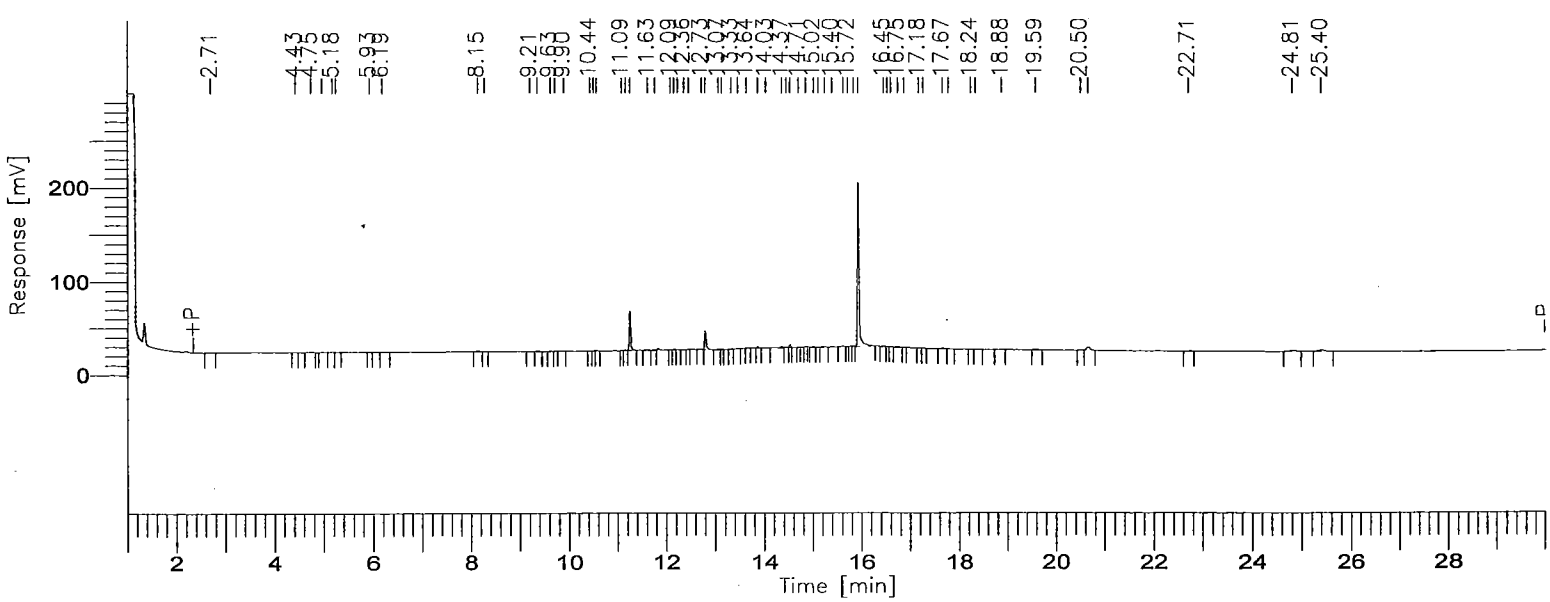
Raw Data File : C:\TC4\DATA_3\O23_025A.RAW
Result File : C:\TC4\DATA_3\O23_025A.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O23_025A.RS
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_3\O23A.SEQ

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: 68



000913

BOE-C6-0150031

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	5604	0.1282	-------	10.0	
6.07	C10-C11	4372	0.0933	-------	10.0	
7.77	C12-C13	3528	0.0709	-------	10.0	
9.18	C14-C15	3924	0.0803	-------	10.0	
10.44	C16-C17	5466	0.1122	-------	10.0	
11.58	C18-C19	95931	1.9714	-------	10.0	
13.05	C20-C23	68575	0.7221	-------	10.0	
14.78	C24-C27	33706	0.3882	-------	10.0	
16.36	C28-C31	431452	5.9531	-------	10.0	
18.35	C32-C35	11074	0.2078	-------	10.0	
21.82	C36-C39	25926	0.6346	-------	10.0	
27.03	C40+	23054	1.3580	-------	10.0	
		712611	11.7202			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
2.71		1732	0.0004	-------	10.0	
4.43		440	0.0001	-------	10.0	
4.75		2420	0.0006	-------	10.0	
4.97		1012	0.0003	-------	10.0	
		5604	0.0014			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.18		1948	0.0005	-------	10.0	
5.25		727	0.0002	-------	10.0	
93		568	0.0001	-------	10.0	
6.19		1130	0.0003	-------	10.0	
		4372	0.0011			

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.15		2558	0.0006	-------	10.0	
8.28		969	0.0002	-------	10.0	
		3528	0.0009			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.21		1085	0.0003	-------	10.0	
9.36		1942	0.0005	-------	10.0	
9.63		514	0.0001	-------	10.0	
9.72		382	0.0001	-------	10.0	
		3924	0.0010			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.90		1314	0.0003	-------	10.0	
10.44		1098	0.0003	-------	10.0	
10.51		1555	0.0004	-------	10.0	
10.57		1499	0.0004	-------	10.0	
		5466	0.0014			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.09		1553	0.0004	-------	10.0	
11.16		2663	0.0007	-------	10.0	
11.25		83497	0.0209	-------	10.0	
11.63		5583	0.0014	-------	10.0	
11.78		2022	0.0005	-------	10.0	
[illegible]09		613	0.0002	-------	10.0	
		95931	0.0240			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.16		3072	0.0008	-------	10.0	
12.23		827	0.0002	-------	10.0	
12.36		1504	0.0004	-------	10.0	
12.46		776	0.0002	-------	10.0	
12.73		2808	0.0007	-------	10.0	
12.81		46870	0.0117	-------	10.0	
13.07		1781	0.0004	-------	10.0	
13.13		1254	0.0003	-------	10.0	
13.33		2331	0.0006	-------	10.0	
13.47		2402	0.0006	-------	10.0	
13.64		1475	0.0004	-------	10.0	
13.87		3475	0.0009	-------	10.0	
		68575	0.0171			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.03		2997	0.0007	-------	10.0	
14.36		7155	0.0018	-------	10.0	
14.45		3427	0.0009	-------	10.0	
14.53		5831	0.0015	-------	10.0	
14.70		994	0.0002	-------	10.0	
14.85		1481	0.0004	-------	10.0	
15.02		3540	0.0009	-------	10.0	
15.11		910	0.0002	-------	10.0	
15.24		4259	0.0011	-------	10.0	
15.40		3113	0.0008	-------	10.0	
		33706	0.0084			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.62		5188	0.0013	-------	10.0	
15.72		1394	0.0003	-------	10.0	
15.84		2852	0.0007	-------	10.0	
15.94		410804	0.1027	-------	10.0	
16.45		2658	0.0007	-------	10.0	
16.53		745	0.0002	-------	10.0	
16.60		1475	0.0004	-------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
.75		5158	0.0013	-------	10.0	
16.87		1178	0.0003	-------	10.0	
		431452	0.1079			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.18		1235	0.0003	-------	10.0	
17.27		1582	0.0004	-------	10.0	
17.67		2920	0.0007	-------	10.0	
17.78		893	0.0002	-------	10.0	
18.24		1669	0.0004	-------	10.0	
18.34		1147	0.0003	-------	10.0	
18.88		1628	0.0004	-------	10.0	
		11074	0.0028			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
19.59		4792	0.0012	-------	10.0	
20.50		899	0.0002	-------	10.0	
20.65		17780	0.0044	-------	10.0	
22.71		2455	0.0006	-------	10.0	
		25926	0.0065			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
24.81		10338	0.0026	-------	10.0	
25.40		12716	0.0032	-------	10.0	
		23054	0.0058			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

==========

TL - LOS ANGELES

==========

Report stored in ASCII file: C:\TC4\DATA_3\O23_025A.TX0

Software Version: 4.1<2F12>
Sample Name : 227-10 Time : 10/24/00 12:35 AM
Sample Number: DLTCP102 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: 10/24/00 12:05 AM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

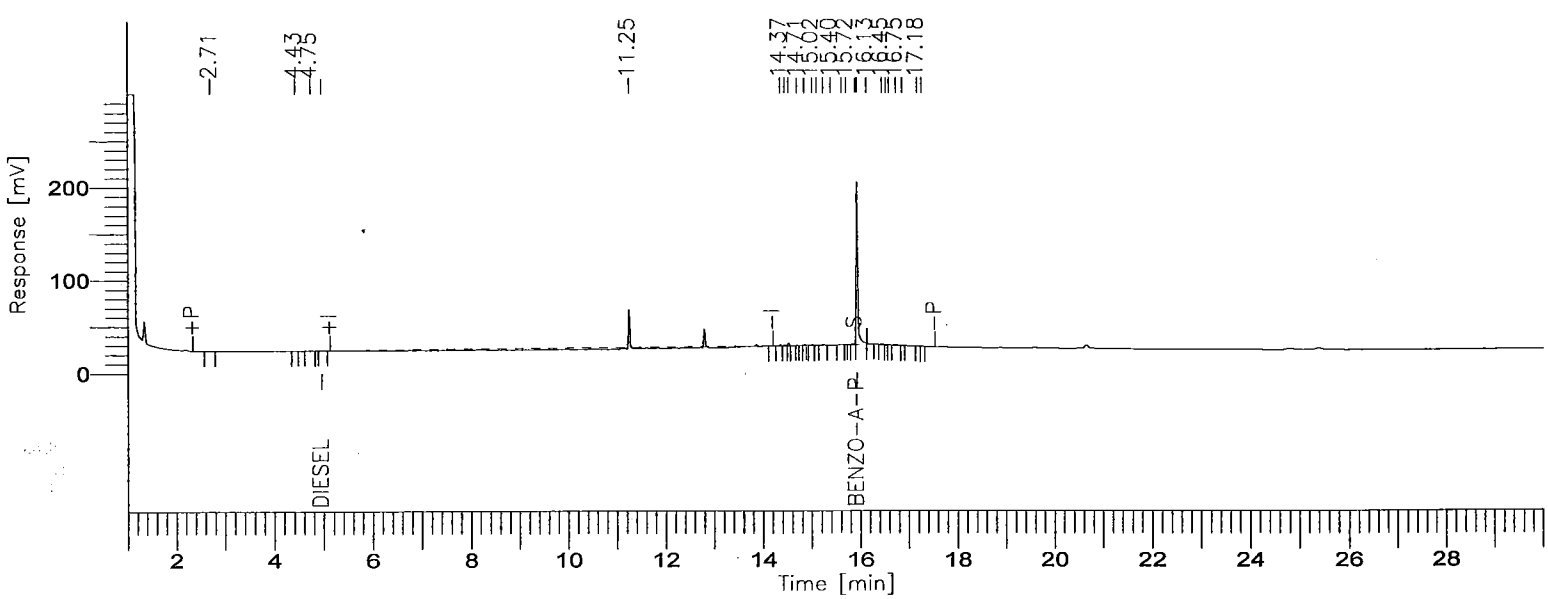
Raw Data File : C:\TC4\DATA_3\O23_025.RAW
Result File : C:\TC4\DATA_3\O23_025.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O23_025.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_3\O23.SEQ

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



000919

BOE-C6-0150037

8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
4.97	DIESEL	958	0.0245	-------	10.0	
15.94	BENZO-A-PYRENE	405504	11.3895	91.12	10.0	
		406462	11.4141			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O23_025.TXO

Lot/Sample: E0J090227-011 C-2-103-10 TICs.....: N Report Results: Y
WO#.....: DLTCQ-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: 10/24/00
Inject Time..: 0:44 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O23_026A
Instr ID: G03 Column: RTX-1 ID: .53
Sampling date.....:10/09/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/25 19:05:45
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/10/00
QC Batch.....: 0284522
MS Run Number: 0284311
Prep Time....: 17:00-21:00
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: TEPH1566-2SCS/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	13.832	110.6568		

Software Version: 4.1<2F12>
Sample Name : 227-11 Time : 10/25/00 03:43 PM
Sample Number: DLTCQ102 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: 10/24/00 12:44 AM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

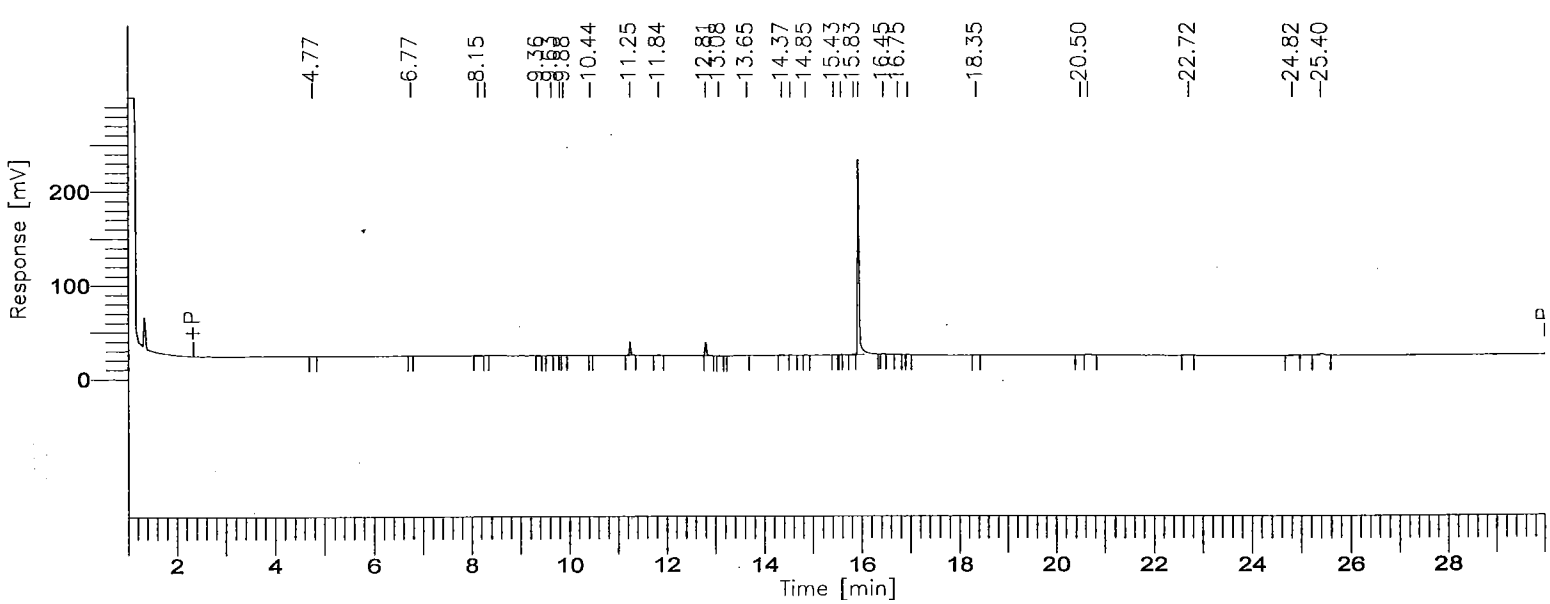
Raw Data File : C:\TC4\DATA_3\O23_026A.RAW
Result File : C:\TC4\DATA_3\O23_026A.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O23_026A.RS
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_3\O23A.SEQ

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



000922

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	648	0.0148	-------	10.0	
6.07	C10-C11	514	0.0110	-------	10.0	
7.77	C12-C13	2896	0.0582	-------	10.0	
9.18	C14-C15	2335	0.0478	-------	10.0	
10.44	C16-C17	1158	0.0238	-------	10.0	
11.58	C18-C19	28928	0.5945	-------	10.0	
13.05	C20-C23	36867	0.3882	-------	10.0	
14.78	C24-C27	5442	0.0627	-------	10.0	
16.36	C28-C31	510770	7.0475	-------	10.0	
18.35	C32-C35	1229	0.0231	-------	10.0	
21.82	C36-C39	9577	0.2344	-------	10.0	
27.03	C40+	15541	0.9155	-------	10.0	
		615906	9.4214			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
4.77		648	0.0002	-------	10.0	
		648	0.0002			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
6.76		514	0.0001	-------	10.0	
		514	0.0001			

Group Report For : C12-C13

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

8.15		2368	0.0006	-------	10.0
8.29		528	0.0001	-------	10.0
		2896	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		1566	0.0004	-------	10.0	
9.63		448	0.0001	-------	10.0	
9.81		321	0.0001	-------	10.0	
		2335	0.0006			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.88		621	0.0002	-------	10.0	
1.44		538	0.0001	-------	10.0	
		1158	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		27688	0.0069	-------	10.0	
11.84		1240	0.0003	-------	10.0	
		28928	0.0072			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.81		32675	0.0082	-------	10.0	
3.08		1364	0.0003	-------	10.0	
13.65		2828	0.0007	-------	10.0	
		36867	0.0092			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.36		3003	0.0008	-------	10.0	
14.53		456	0.0001	-------	10.0	
14.85		447	0.0001	-------	10.0	
15.42		726	0.0002	-------	10.0	
15.58		810	0.0002	-------	10.0	
		5442	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		2518	0.0006	-------	10.0	
15.94		502495	0.1256	-------	10.0	
16.45		2326	0.0006	-------	10.0	
16.75		2181	0.0005	-------	10.0	
16.94		1250	0.0003	-------	10.0	
		510770	0.1277			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
18.35		1229	0.0003	-------	10.0	
		1229	0.0003			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
20.50		1475	0.0004	-------	10.0	
20.66		5807	0.0015	-------	10.0	
22.72		2294	0.0006	-------	10.0	
		9577	0.0024			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
4.81		3103	0.0008	-------	10.0	
25.40		12438	0.0031	-------	10.0	
		15541	0.0039			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O23_026A.TX0

Software Version: 4.1<2F12>
Sample Name : 227-11 Time : 10/24/00 01:14 AM
Sample Number: DLTCQ102 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: 10/24/00 12:44 AM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

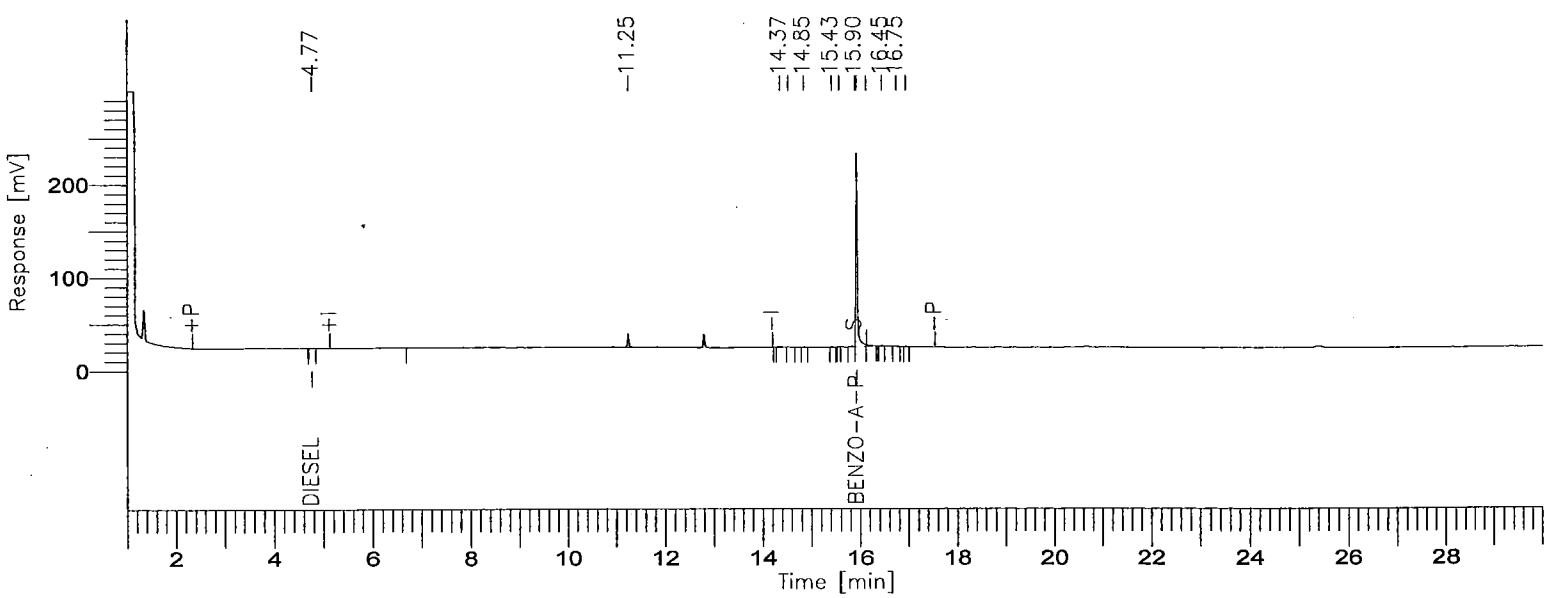
Raw Data File : C:\TC4\DATA_3\O23_026.RAW
Result File : C:\TC4\DATA_3\O23_026.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O23_026.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_3\O23.SEQ

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
4.77	DIESEL	648	0.0166	-------	10.0	
15.94	BENZO-A-PYRENE	492466	13.8321	110.66	10.0	
		493115	13.8487			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O23_026.TX0

TEPH

SAMPLE AND QC DATA

C8 → C40+

Date(s) Analyzed: 10-24,25-00

Instrument ID: GC1 GC2 GC3

Lab #: EUJ090227

Batch #: 0284524

Samples: B, C, 12, 12S, 12D, 13, 14, 19, 21, 22, 23, 25, 26

EXTRACTION NOTES

BOE-C6-0150048

P/16

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 10/10/00
Time: 19:48:27

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

QC BATCH: 0284524

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

Reviewer/Date: APAHIDEC / 10/10/00

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
10/23/00	10/16/00	E0J090227-012 **DLTCR-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:															
10/23/00	10/16/00	E0J090227-012 **DLTCR-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:															
10/23/00	10/16/00	E0J090227-012 **DLTCR-1-02**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/23/00	10/16/00	E0J090227-013 **DLTCT-1-02**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/23/00	10/16/00	E0J090227-014 **DLTCW-1-02**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/23/00	10/16/00	E0J090227-023 **DLTDC-1-02**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/23/00	10/16/00	E0J090227-025 **DLTDE-1-02**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															

C-chan

000931

BOE-C6-0150049

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 10/10/00
Time: 19:48:27

QC BATCH: 0284524

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

000932

BOE-C6-0150050

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
10/23/00	10/16/00	E0J090227-026 **DLTDF-1-02**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/23/00	10/16/00	E0J090227-019 **DLTD5-1-02**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/23/00	10/16/00	E0J090227-021 **DLTD7-1-02**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/23/00	10/16/00	E0J090227-022 **DLTD9-1-02**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/23/00	0/00/00	E0J100000-524 **DLW5A-1-01B**		0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/23/00	0/00/00	E0J100000-524 **DLW5A-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: CM MECL2/T23272 NA2SO4/8024
METHOD: SOLID/SOLVENT EXRTACTION (AUTO SHAKER).
RELINQUISHED BY/DATE: CA 10-11-00 RECEIVED BY/DATE:

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

NUMBER OF WORK ORDERS IN BATCH: 13

Turbochrom Sequence File : C:\TC4\DATA_3\023.SEQ
Created by : EM on : 10/23/00 08:01 AM
Edited by : EC on : 10/25/00 01:32 PM
Description :

Number of Times Edited : 6

FJK 10/26/00

Sequence File Header Information:

Number of Rows : 106
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	MECL2	MECL2	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
3	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
4	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
5	Std Check	#TEPH00-203 RT	30 PPM	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
6	Sample	226-27 50X	DLTE1101	ICAL 9/27/	1.000	1.000	1.000	50.000	5.000	20.000	0.000	100.000
7	Sample	226-17	DLTDG102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
8	Sample	226-19	DLTDM102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
9	Sample	226-20	DLTDN102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
10	Sample	226-22	DLTDR101	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
11	Sample	226-23	DLTDV101	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
12	Sample	226-24 2X	DLTDW101	ICAL 9/27/	1.000	1.000	1.000	2.000	5.000	20.000	0.000	100.000
13	Sample	226-25 20X	DLTDX101	ICAL 9/27/	1.000	1.000	1.000	20.000	5.000	20.000	0.000	100.000
14	Sample	226-26 10X	DLTE0101	ICAL 9/27/	1.000	1.000	1.000	10.000	5.000	20.000	0.000	100.000
15	Std Check	#TEPH00-178 DIE	1000 PPM ok	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
16	Std Check	#TEPH00-203 RT	30 PPM	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
	Sample	227-02	DLTCE102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
	Sample	227-03	DLTCF102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
19	Sample	227-04	DLTCG102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
20	Sample	227-05	DLTCH102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
21	Sample	227-06	DLTCK102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
22	Sample	227-07	DLTCL102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
23	Sample	227-08	DLTCM102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
24	Sample	227-09	DLTCN102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
25	Sample	227-10	DLTCP102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
26	Sample	227-11	DLTCQ102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
27	Std Check	#TEPH00-178 DIE	1000 PPM ok	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
28	Std Check	#TEPH00-203 RT	30 PPM ok	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
29	Sample	227-MB	DLW5A101B	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
30	Sample	227-LCS	DLW5A102C	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
31	Sample	227-12	DLTCR102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
32	Sample	227-12 MS	DLTCR10PS	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
33	Sample	227-12 MSD	DLTCR10QD	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
34	Sample	227-13	DLTCT102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
35	Sample	227-14	DLTCW102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
36	Sample	227-19	DLTD5102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
37	Sample	227-21	DLTD7102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
38	Sample	227-22	DLTD9102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
39	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
40	Std Check	#TEPH00-203 RT	30 PPM out 4/2	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
41	Sample	227-23	DLTDC102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
42	Sample	MECL2	MECL2	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
43	Sample	MECL2	MECL2	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
44	Std Check	#TEPH00-178 DIE	1000 PPM OK	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
45	Std Check	#TEPH00-203 RT	30 PPM ok	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
46	Sample	227-MB	DLW5A101B	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
47	Sample	227-LCS	DLW5A102C	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
48	Sample	227-12	DLTCR102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
49	Sample	227-12 MS	DLTCR10PS	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
50	Sample	227-12 MSD	DLTCR10QD	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
51	Sample	227-13	DLTCT102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
	Sample	227-14	DLTCW102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
	Sample	227-19	DLTD5102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
54	Sample	227-21	DLTD7102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
55	Sample	227-22	DLTD9102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
56	Std Check	#TEPH00-178 DIE	1000 PPM ok	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
57	Std Check	#TEPH00-203 RT	30 PPM ok	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
58	Sample	227-23	DLTDC102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
59	Sample	227-25	DLTDE102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
60	Sample	227-26	DLTDF102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000

61	Std Check	#TEPH00-178 DIE	1000 PPM out list	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
62	Std Check	#TEPH00-203 RT	30 PPM ok	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
63	Sample	292-MB	DM8QV1AAB	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
64	Sample	292-LCS	DM8QV1ACC	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
65	Sample	292-LCD	DM8QV1ADL	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
66	Sample	292-13	DM1EK1A0	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
67	Sample	292-MB	DM3K31AAB	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
	Sample	292-LCS	DM3K31ACC	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
	Sample	292-02	DM1DQ1AC	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
70	Sample	292-02 MS	DM1DQ1A2S	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
71	Sample	292-02 MSD	DM1DQ1A3D	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
72	Sample	292-03	DM1DT1AC	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
73	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
74	Std Check	#TEPH00-203 RT	30 PPM	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
75	Sample	292-04 20X	DM1DV1AA	ICAL 9/27/	1.000	1.000	1.000	20.000	5.000	20.000	0.000	100.000
76	Sample	292-05	DM1D81AE	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
77	Sample	292-06	DM1EA1AE	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
78	Sample	292-07	DM1EC1AC	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
79	Sample	292-08	DM1ED1AC	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
80	Sample	292-09	DM1EE1AE	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
81	Sample	292-10	DM1EF1AC	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
82	Sample	292-11	DM1EG1AE	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
83	Sample	292-12	DM1EJ1AC	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
84	Sample	292-14	DM1EM1AA	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
85	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
86	Std Check	#TEPH00-203 RT	30 PPM	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
87	Sample	292-15	DM1EN1AA	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
88	Sample	292-16	DM1EP1AA	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
89	Sample	292-17	DM1EQ1AE	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
90	Sample	292-18	DM1ER1AC	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
91	Sample	292-19	DM1ET1AC	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
92	Sample	284-MB	DM3KJ1AAB	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
93	Sample	284-23	DM1AX1AD	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
94	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
95	Std Check	#TEPH00-203 RT	30 PPM	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
96	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
97	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
98	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
99	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
100	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
101	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
102	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
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

Software Version: 4.1<2F12>
Sample Name : #TEPH00-178 DIESEL STD Time : 10/24/00 03:43 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

Diesel

Interface Serial # : 8293570026 Data Acquisition Time: 10/23/00 05:33 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

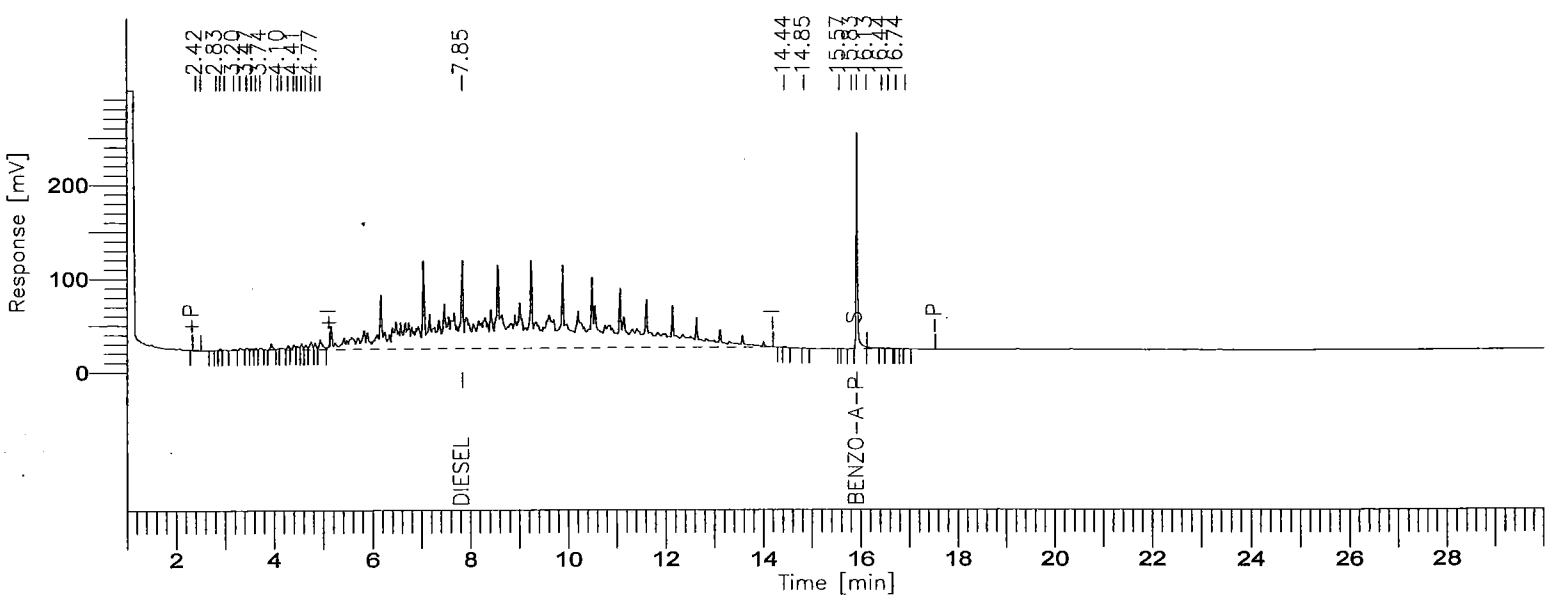
Raw Data File : C:\TC4\DATA_3\O23_015.RAW
Result File : C:\TC4\DATA_3\O23_015.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O23_015.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O23_015.RST
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O23_015.RST
Sequence File : C:\TC4\DATA_3\O23.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
2.421		3795	0.0038	------	----------
2.517		734	0.0007	------	----------
2.829		869	0.0009	------	----------
2.912		5475	0.0055	------	----------
3.001		4647	0.0046	------	----------
3.200		5460	0.0055	------	----------
3.327		9442	0.0094	------	----------
3.465		7445	0.0074	------	----------
3.564		6023	0.0060	------	----------
3.646		4347	0.0043	------	----------
3.738		7378	0.0074	------	----------
3.956		22497	0.0225	------	----------
4.101		4676	0.0047	------	----------
4.163		11739	0.0117	------	----------
.302		13819	0.0138	------	----------
4.414		21614	0.0216	------	----------
4.477		17104	0.0171	------	----------
4.569		20694	0.0207	------	----------
4.657		18971	0.0190	------	----------
4.768		35499	0.0355	------	----------
4.851		20657	0.0207	------	----------
4.950		47530	0.0475	------	----------
7.846	DIESEL	10275953	1052.0480	1000.0	5.20
14.443		4442	0.0044	------	----------
14.849		1842	0.0018	------	----------
15.568		684	0.0007	------	----------
15.826		2580	0.0026	------	----------
15.932	BENZO-A-PYRENE	489273	54.9696	50.0	9.94
16.133		14687	0.0147	------	----------
16.438		5089	0.0051	------	----------
16.581		3296	0.0033	------	----------
16.744		1492	0.0015	------	----------
16.933		1856	0.0019	------	----------
		11091609	1107.3440		

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

000936

==========

STL - LOS ANGELES

==========

Report stored in ASCII file: C:\TC4\DATA_3\O23_015.TXO

Software Version: 4.1<2F12>
Sample Name : #TEPH00-203 RT MARKER Time : 10/24/00 03:44 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: 10/23/00 06:12 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

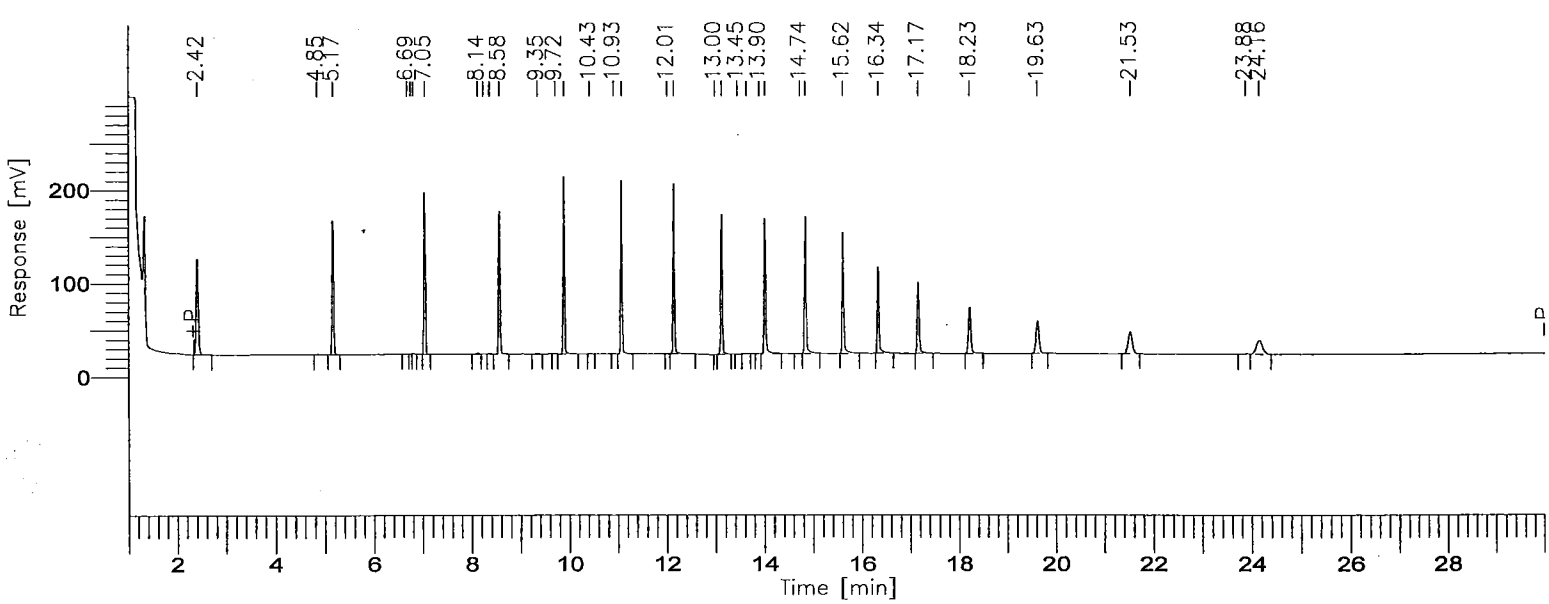
Raw Data File : C:\TC4\DATA_3\O23_016.RAW
Result File : C:\TC4\DATA_3\O23_016.RST
Inst Method : C:\TC4\DATA_3\METHODS\C8-C40A from C:\TC4\DATA_3\O23_016.RST
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A from C:\TC4\DATA_3\O23_016.RST
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A from C:\TC4\DATA_3\O23_016.RST
Sequence File : C:\TC4\DATA_3\O23.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	314653	28.7957	30.0	-4.01
6.074	C10-C11	336907	28.7485	30.0	-4.17
7.769	C12-C13	343934	27.6509	30.0	-7.83
9.180	C14-C15	347750	28.4559	30.0	-5.15
10.441	C16-C17	350595	28.7972	30.0	-4.01
11.579	C18-C19	348027	28.6084	30.0	-4.64
13.051	C20-C23	683873	28.8058	30.0	-3.98
14.784	C24-C27	622922	28.6973	30.0	-4.34
16.356	C28-C31	518133	28.5964	30.0	-4.68
18.348	C32-C35	389724	29.2538	30.0	-2.49
21.815	C36-C39	306317	29.9941	30.0	-0.02
27.034	C40+	127961	30.1514	30.0	0.50
		4690796	346.5554		

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
2.419		312796	0.3128	------	----------
4.852		1856	0.0019	------	----------
		314653	0.3147		

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
5.173		332365	0.3324	------	----------
6.685		570	0.0006	------	----------
6.758		1710	0.0017	------	----------
6.815		2262	0.0023	------	----------
		336907	0.3369		

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
7.053		337289	0.3373	------	----------
8.137		3765	0.0038	------	----------
8.250		713	0.0007	------	----------
8.371		2166	0.0022	------	----------
		343934	0.3439		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
8.576		343806	0.3438	------	----------
9.354		2838	0.0028	------	----------
9.720		1106	0.0011	------	----------
		347750	0.3477		

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
9.899		348137	0.3481	------	----------
10.432		1081	0.0011	------	----------
10.925		1377	0.0014	------	----------
		350595	0.3506		

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
11.082		346082	0.3461	------	----------
12.014		1945	0.0019	------	----------
		348027	0.3480		

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
12.151		349622	0.3496	------	----------

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
12.995		259	0.0003	------	----------
13.128		331713	0.3317	------	----------
13.454		480	0.0005	------	----------
13.638		800	0.0008	------	----------
13.904		999	0.0010	------	----------
		683873	0.6839		

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
14.021		320993	0.3210	------	----------
14.739		777	0.0008	------	----------
14.849		301152	0.3012	------	----------
		622922	0.6229		

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
15.616		275321	0.2753	------	----------
16.341		242812	0.2428	------	----------
		518133	0.5181		

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
17.169		210293	0.2103	------	----------
18.227		179431	0.1794	------	----------
		389724	0.3897		

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
19.628		156858	0.1569	------	----------

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
21.529		145005	0.1450	------	----------
23.877		4454	0.0045	------	----------
		306317	0.3063		

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
24.156		127961	0.1280	------	----------
		127961	0.1280		

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

SAL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O23_016.TX0

Software Version: 4.1<2F12>
Sample Name : #TEPH00-178 DIESEL STD Time : 10/24/00 01:53 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: 10/24/00 01:23 AM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

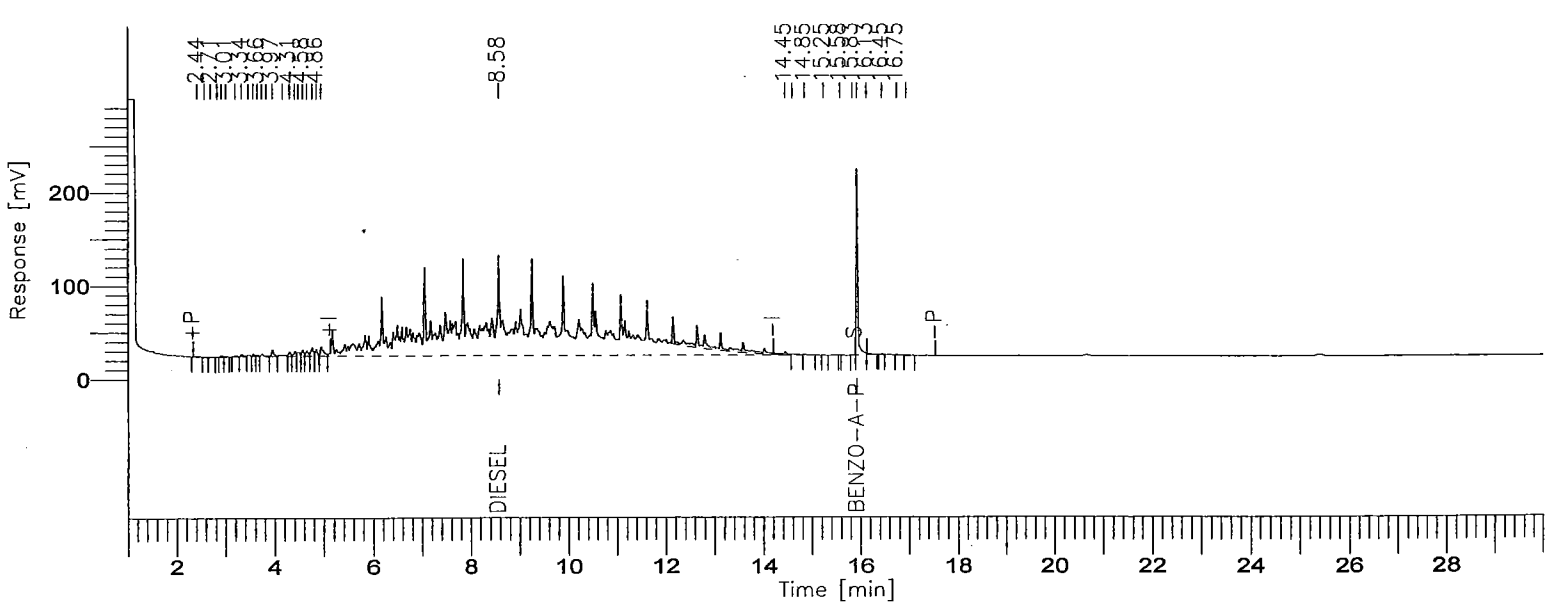
Raw Data File : C:\TC4\DATA_3\023_027.RAW
Result File : C:\TC4\DATA_3\023_027.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\023_027.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_3\023.SEQ

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
2.436		5744	0.0057	------	----------
2.586		1074	0.0011	------	----------
2.705		1485	0.0015	------	----------
2.840		523	0.0005	------	----------
2.926		5069	0.0051	------	----------
3.014		3985	0.0040	------	----------
3.212		5022	0.0050	------	----------
3.339		8722	0.0087	------	----------
3.477		5988	0.0060	------	----------
3.575		4994	0.0050	------	----------
3.657		4188	0.0042	------	----------
3.751		8438	0.0084	------	----------
3.846		762	0.0008	------	----------
3.968		23057	0.0231	------	----------
..178		17144	0.0171	------	----------
4.314		14756	0.0148	------	----------
4.423		20119	0.0201	------	----------
4.488		18319	0.0183	------	----------
4.581		22017	0.0220	------	----------
4.667		22447	0.0224	------	----------
4.780		34306	0.0343	------	----------
4.863		24296	0.0243	------	----------
4.960		50618	0.0506	------	----------
8.583	DIESEL	10647751	1090.1126	1000.0	9.01
14.450		490915	0.4909	------	----------
14.599		10292	0.0103	------	----------
14.853		4801	0.0048	------	----------
15.246		673	0.0007	------	----------
15.580		734	0.0007	------	----------
15.834		2996	0.0030	------	----------
15.938	BENZO-A-PYRENE	473402	53.1865	50.0	6.37
16.133		7097	0.0071	------	----------
16.450		2131	0.0021	------	----------
16.753		1538	0.0015	------	----------
16.946		1908	0.0019	------	----------
		11947309	1144.1252		

Missing Component Report
Component Expected Retention (Calibration File)

All components were found

==========

STL - LOS ANGELES

==========

Report stored in ASCII file: C:\TC4\DATA_3\O23_027.TXO

Software Version: 4.1<2F12>
Sample Name : #TEPH00-203 RT MARKER Time : 10/24/00 02:32 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: 10/24/00 02:02 AM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

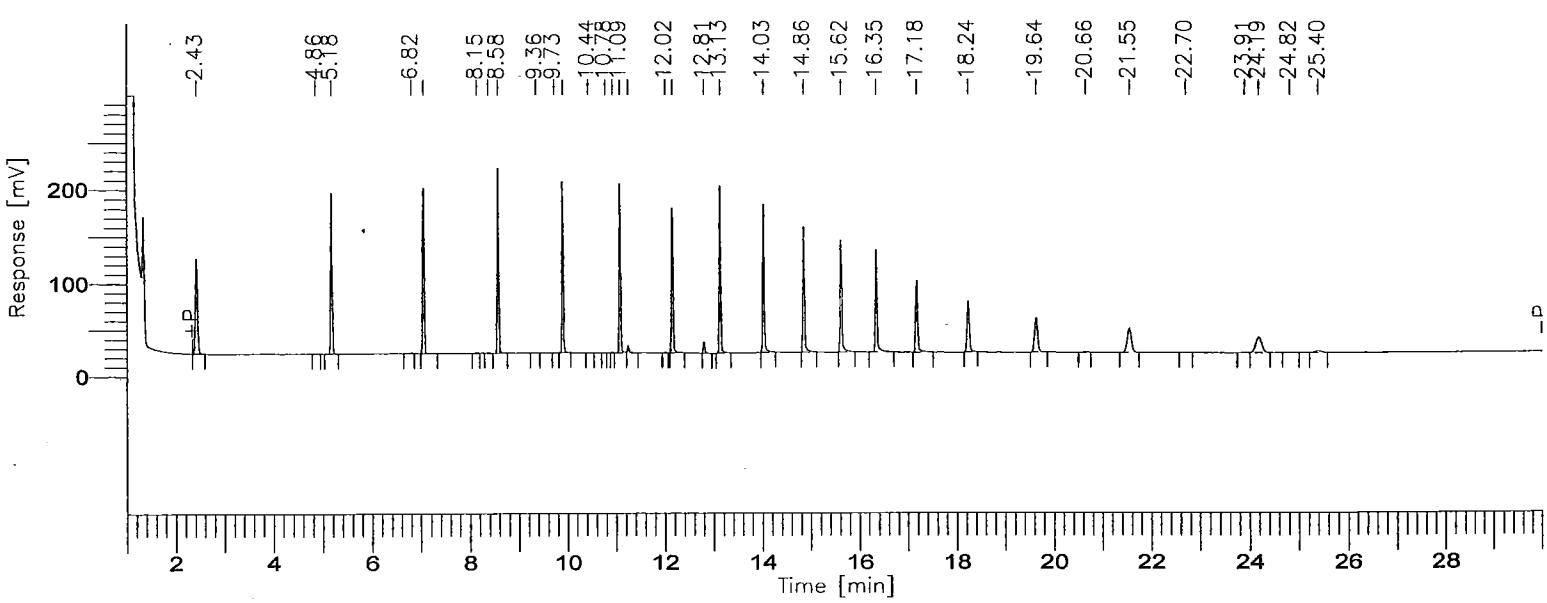
Raw Data File : C:\TC4\DATA_3\O23_028.RAW
Result File : C:\TC4\DATA_3\O23_028.RST
Inst Method : C:\TC4\DATA_3\METHODS\C8-C40A from C:\TC4\DATA_3\O23_028.RST
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A
Sequence File : C:\TC4\DATA_3\O23.SEQ

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



000946

8015B(TEPH)

GC03/FID:RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
3.749	C8-C9	321568	29.4286	30.0	-1.90
6.074	C10-C11	347572	29.6586	30.0	-1.14
7.769	C12-C13	353328	28.4062	30.0	-5.31
9.180	C14-C15	358294	29.3188	30.0	-2.27
10.441	C16-C17	359881	29.5600	30.0	-1.47
11.579	C18-C19	376684	30.9641	30.0	3.21
13.051	C20-C23	726765	30.6125	30.0	2.04
14.784	C24-C27	640419	29.5033	30.0	-1.66
16.356	C28-C31	534590	29.5046	30.0	-1.65
18.348	C32-C35	410433	30.8082	30.0	2.69
21.815	C36-C39	343276	33.6131	30.0	12.04
27.034	C40+	161115	37.9633	30.0	26.54
		4933926	369.3413		

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
2.432		319784	0.3198	------	----------
4.862		1784	0.0018	------	----------
		321568	0.3216		

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
5.182		344793	0.3448	------	----------
6.819		2779	0.0028	------	----------
		347572	0.3476		

Group Report For : C12-C13

Time	Component	Area	ACTUAL	TRUE	%

[min]	Name	[µV·s]	VALUE (PPM)	VALUE	D
7.063		349555	0.3496	------	----------
8.146		1816	0.0018	------	----------
8.381		1957	0.0020	------	----------
		353328	0.3533		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
8.582		355177	0.3552	------	----------
9.362		2010	0.0020	------	----------
9.729		1107	0.0011	------	----------
		358294	0.3583		

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
9.903		357481	0.3575	------	----------
10.437		896	0.0009	------	----------
10.782		438	0.0004	------	----------
10.931		1066	0.0011	------	----------
		359881	0.3599		

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
11.087		357312	0.3573	------	----------
11.253		17183	0.0172	------	----------
12.018		2189	0.0022	------	----------
		376684	0.3767		

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
12.157		355427	0.3554	------	----------

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
12.810		29144	0.0291	------	----------
13.134		342194	0.3422	------	----------
		726765	0.7268		

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
14.031		329395	0.3294	------	----------
14.855		311024	0.3110	------	----------
		640419	0.6404		

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
15.621		282263	0.2823	------	----------
16.349		252327	0.2523	------	----------
		534590	0.5346		

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
17.179		221634	0.2216	------	----------
18.237		188800	0.1888	------	----------
		410433	0.4104		

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
19.643		171643	0.1716	------	----------
20.657		4142	0.0041	------	----------
21.551		160450	0.1604	------	----------
22.703		2863	0.0029	------	----------
23.907		4178	0.0042	------	----------

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
		343276	0.3433		

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
24.186		143267	0.1433	------	----------
24.816		4215	0.0042	------	----------
25.403		13633	0.0136	------	----------
		161115	0.1611		

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

S... - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O23_028.TX0

Software Version: 4.1<2F12>
Sample Name : #TEPH00-178 DIESEL STD Time : 10/24/00 02:17 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: 10/24/00 01:46 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

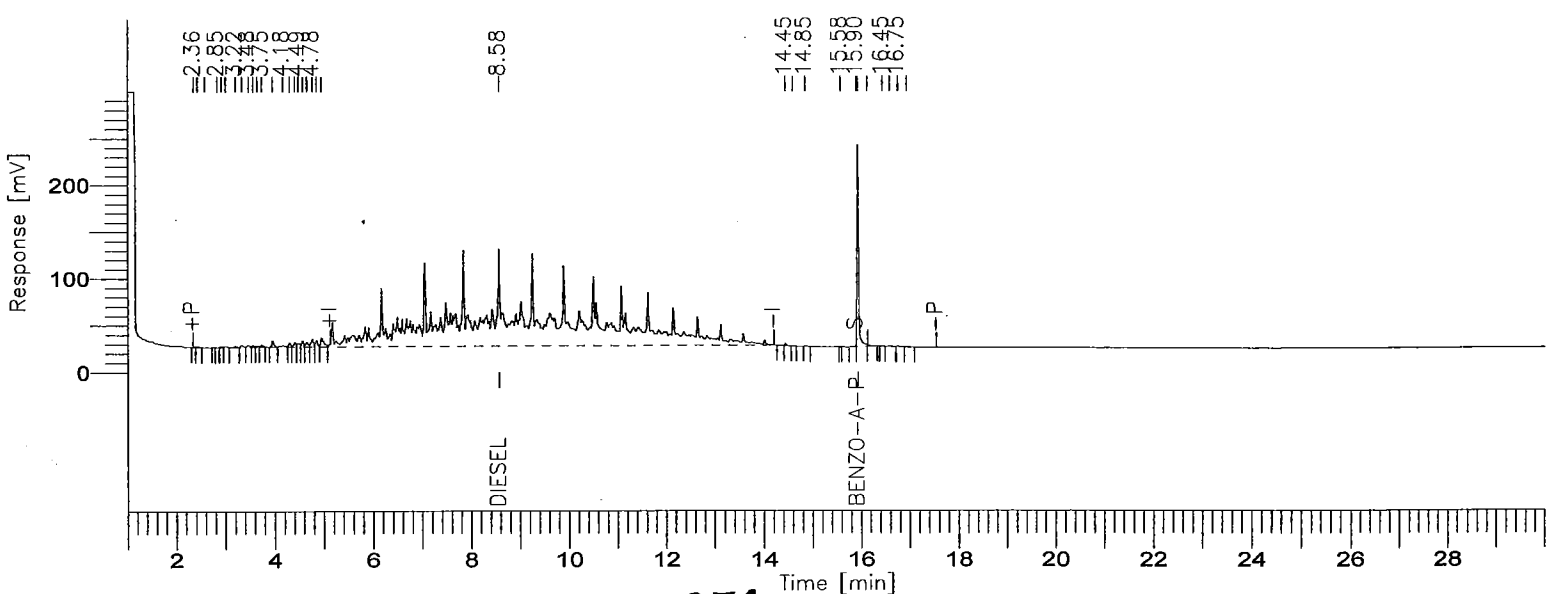
Raw Data File : C:\TC4\DATA_3\O23_044.RAW
Result File : C:\TC4\DATA_3\O23_044.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O23_044.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_3\O23.SEQ

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



000951

BOE-C6-0150069

8015B(TEPH)

GC03/FID:RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
2.363		1316	0.0013	------	----------
2.440		3879	0.0039	------	----------
2.589		1119	0.0011	------	----------
2.846		1331	0.0013	------	----------
2.930		5762	0.0058	------	----------
3.018		4922	0.0049	------	----------
3.216		5704	0.0057	------	----------
3.342		9120	0.0091	------	----------
3.479		7914	0.0079	------	----------
3.577		5739	0.0057	------	----------
3.659		4111	0.0041	------	----------
3.752		7420	0.0074	------	----------
3.968		22228	0.0222	------	----------
4.177		15448	0.0154	------	----------
.314		13830	0.0138	------	----------
4.423		18761	0.0188	------	----------
4.488		17040	0.0170	------	----------
4.580		20550	0.0205	------	----------
4.667		20611	0.0206	------	----------
4.780		32250	0.0323	------	----------
4.862		22236	0.0222	------	----------
4.958		46872	0.0469	------	----------
8.582	DIESEL	10184113	1042.6455	1000.0	4.26
14.450		4758	0.0048	------	----------
14.598		538	0.0005	------	----------
14.854		2395	0.0024	------	----------
15.581		670	0.0007	------	----------
15.900		3857	0.0039	------	----------
15.937	BENZO-A-PYRENE	483502	54.3212	50.0	8.64
16.133		6314	0.0063	------	----------
16.448		2228	0.0022	------	----------
16.590		2035	0.0020	------	----------
16.752		1944	0.0019	------	----------
16.942		2371	0.0024	------	----------
		10982888	1097.2819		

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

==========

- LOS ANGELES

==========

Report stored in ASCII file: C:\TC4\DATA_3\O23_044.TX0

Software Version: 4.1<2F12>
Sample Name : #TEPH00-203 RT MARKER Time : 10/24/00 02:55 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: 10/24/00 02:26 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

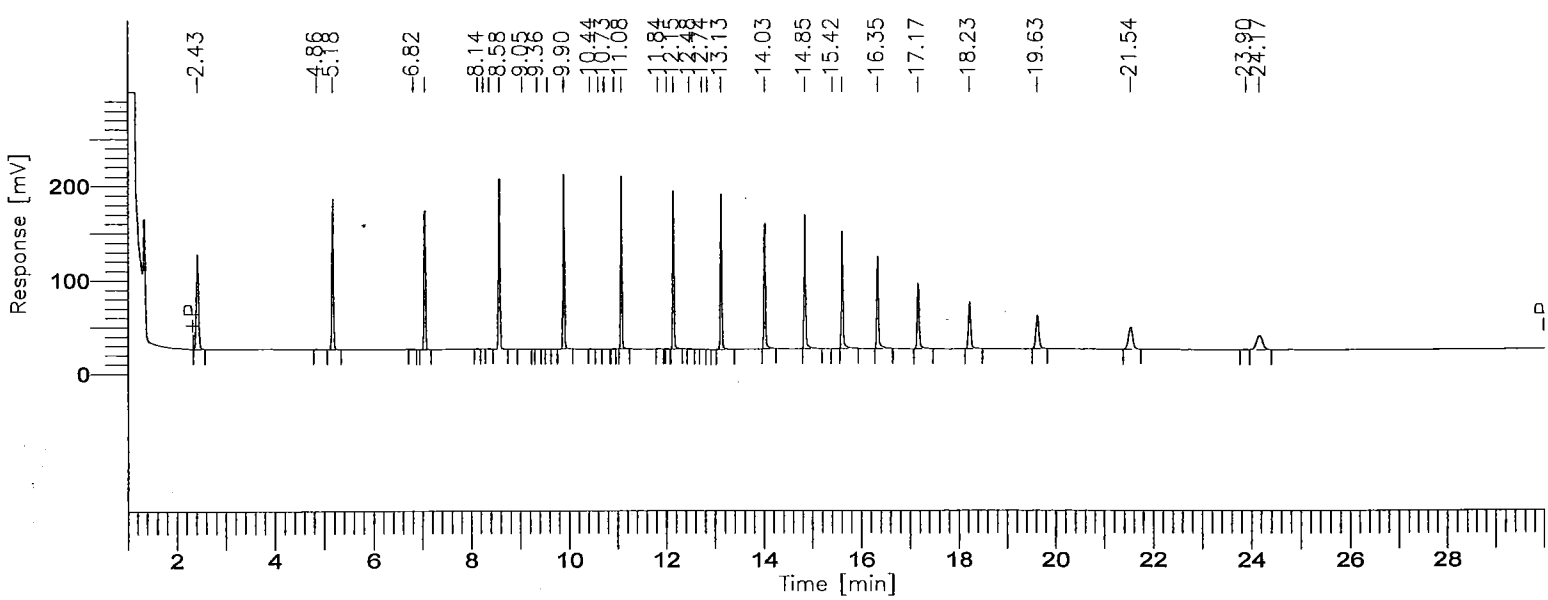
Raw Data File : C:\TC4\DATA_3\O23_045.RAW
Result File : C:\TC4\DATA_3\O23_045.RST
Inst Method : C:\TC4\DATA_3\METHODS\C8-C40A from C:\TC4\DATA_3\O23_045.RST
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A
Sequence File : C:\TC4\DATA_3\O23.SEQ

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
3.749	C8-C9	312700	28.6170	30.0	-4.61
6.074	C10-C11	333074	28.4214	30.0	-5.26
7.769	C12-C13	338954	27.2505	30.0	-9.16
9.180	C14-C15	343544	28.1117	30.0	-6.29
10.441	C16-C17	346952	28.4980	30.0	-5.01
11.579	C18-C19	344725	28.3370	30.0	-5.54
13.051	C20-C23	673812	28.3820	30.0	-5.39
14.784	C24-C27	615706	28.3648	30.0	-5.45
16.356	C28-C31	510822	28.1929	30.0	-6.02
18.348	C32-C35	385180	28.9127	30.0	-3.62
21.815	C36-C39	308515	30.2094	30.0	0.70
27.034	C40+	131588	31.0059	30.0	3.35
		4645570	344.3033		

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
2.433		311107	0.3111	------	----------
4.858		1593	0.0016	------	----------
		312700	0.3127		

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
5.181		330612	0.3306	------	----------
6.817		2462	0.0025	------	----------
		333074	0.3331		

Group Report For : C12-C13

Time	Component	Area	ACTUAL	TRUE	%

[min]	Name	[µV·s]	VALUE (PPM)	VALUE	D
7.059		333967	0.3340	------	----------
8.143		2105	0.0021	------	----------
8.252		562	0.0006	------	----------
8.379		2320	0.0023	------	----------
		338954	0.3390		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
8.581		340146	0.3401	------	----------
9.048		916	0.0009	------	----------
9.357		1900	0.0019	------	----------
9.566		582	0.0006	------	----------
		343544	0.3435		

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
9.902		343450	0.3434	------	----------
10.435		942	0.0009	------	----------
10.616		481	0.0005	------	----------
10.731		797	0.0008	------	----------
10.932		1282	0.0013	------	----------
		346952	0.3470		

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
11.084		340698	0.3407	------	----------
11.841		2178	0.0022	------	----------
12.016		1849	0.0018	------	----------
		344725	0.3447		

Group Report For : C20-C23

Time	Component	Area	ACTUAL	TRUE	%

[min]	Name	[µV·s]	VALUE (PPM)	VALUE	D
12.153		338579	0.3386	------	----------
12.484		1190	0.0012	------	----------
12.737		1961	0.0020	------	----------
12.850		879	0.0009	------	----------
13.132		331202	0.3312	------	----------
		673812	0.6738		

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
14.027		313487	0.3135	------	----------
14.852		301500	0.3015	------	----------
15.419		719	0.0007	------	----------
		615706	0.6157		

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
15.618		272468	0.2725	------	----------
16.346		238354	0.2384	------	----------
		510822	0.5108		

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
17.173		207758	0.2078	------	----------
18.231		177422	0.1774	------	----------
		385180	0.3852		

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
19.633		156826	0.1568	------	----------
21.539		147951	0.1480	------	----------

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
23.895		3738	0.0037	------	----------
		308515	0.3085		

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
24.167		131588	0.1316	------	----------
		131588	0.1316		

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

Report stored in ASCII file: C:\TC4\DATA_3\O23_045.TX0

Software Version: 4.1<2F12>
Sample Name : #TEPH00-178 DIESEL STD Time : 10/25/00 03:36 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: 10/24/00 10:04 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

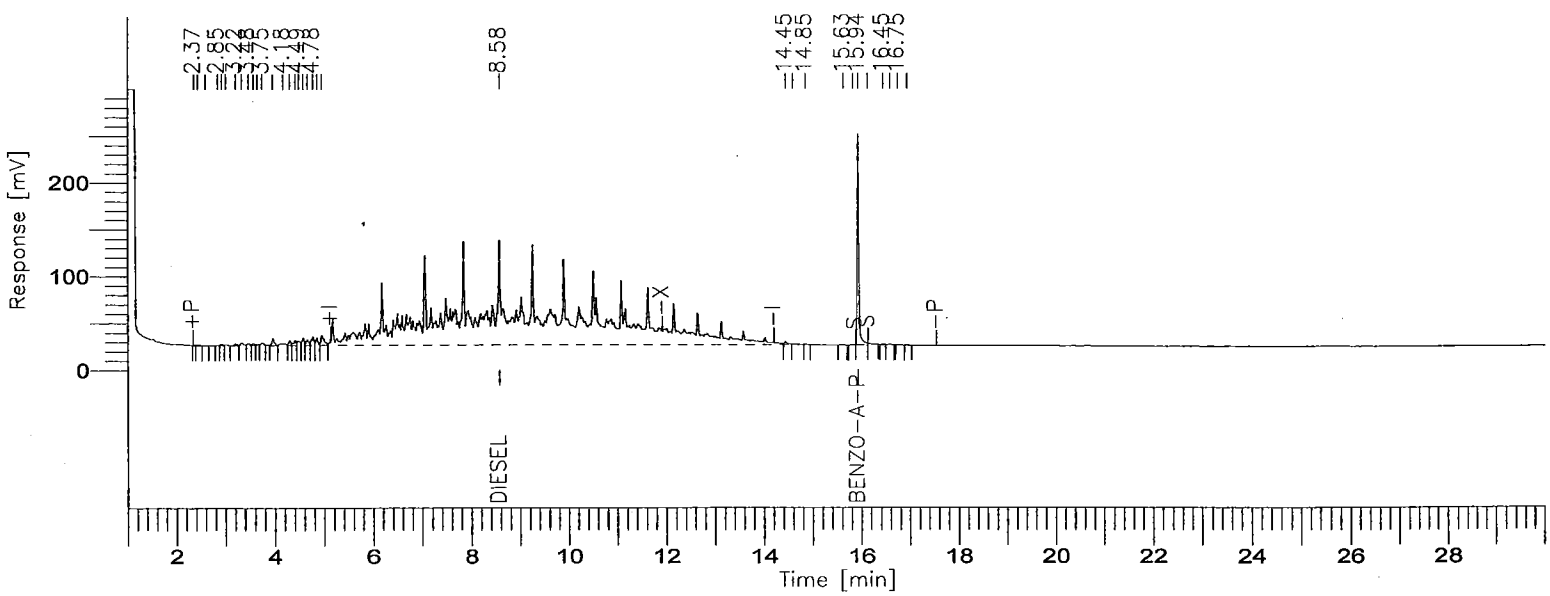
Raw Data File : C:\TC4\DATA_3\O23_056.RAW
Result File : C:\TC4\DATA_3\O23_056.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O23_056.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O23_056.RST
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O23_056.RST
Sequence File : C:\TC4\DATA_3\O23.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
2.368		1390	0.0014	------	----------
2.447		4062	0.0041	------	----------
2.602		625	0.0006	------	----------
2.851		945	0.0009	------	----------
2.932		6123	0.0061	------	----------
3.021		4335	0.0043	------	----------
3.218		5857	0.0059	------	----------
3.345		10484	0.0105	------	----------
3.481		7815	0.0078	------	----------
3.578		6269	0.0063	------	----------
3.662		4597	0.0046	------	----------
3.753		7776	0.0078	------	----------
3.969		23987	0.0240	------	----------
4.179		17541	0.0175	------	----------
.315		14996	0.0150	------	----------
4.424		20467	0.0205	------	----------
4.488		18734	0.0187	------	----------
4.582		22616	0.0226	------	----------
4.668		22696	0.0227	------	----------
4.781		35131	0.0351	------	----------
4.863		24714	0.0247	------	----------
4.960		51598	0.0516	------	----------
8.582	DIESEL	11376392	1164.7105	1000.0	16.47
14.449		14104	0.0141	------	----------
14.599		7598	0.0076	------	----------
14.852		2727	0.0027	------	----------
15.630		2504	0.0025	------	----------
15.833		2496	0.0025	------	----------
15.937	BENZO-A-PYRENE	499890	56.1624	50.0	12.32
16.133		7428	0.0074	------	----------
16.449		2084	0.0021	------	----------
16.588		1919	0.0019	------	----------
16.752		1922	0.0019	------	----------
16.944		1720	0.0017	------	----------
		12233543	1221.2301		

Missing Component Report

Component	Expected Retention (Calibration File)

Software Version: 4.1<2F12>
Sample Name : #TEPH00-203 RT MARKER Time : 10/24/00 11:12 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: 10/24/00 10:43 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

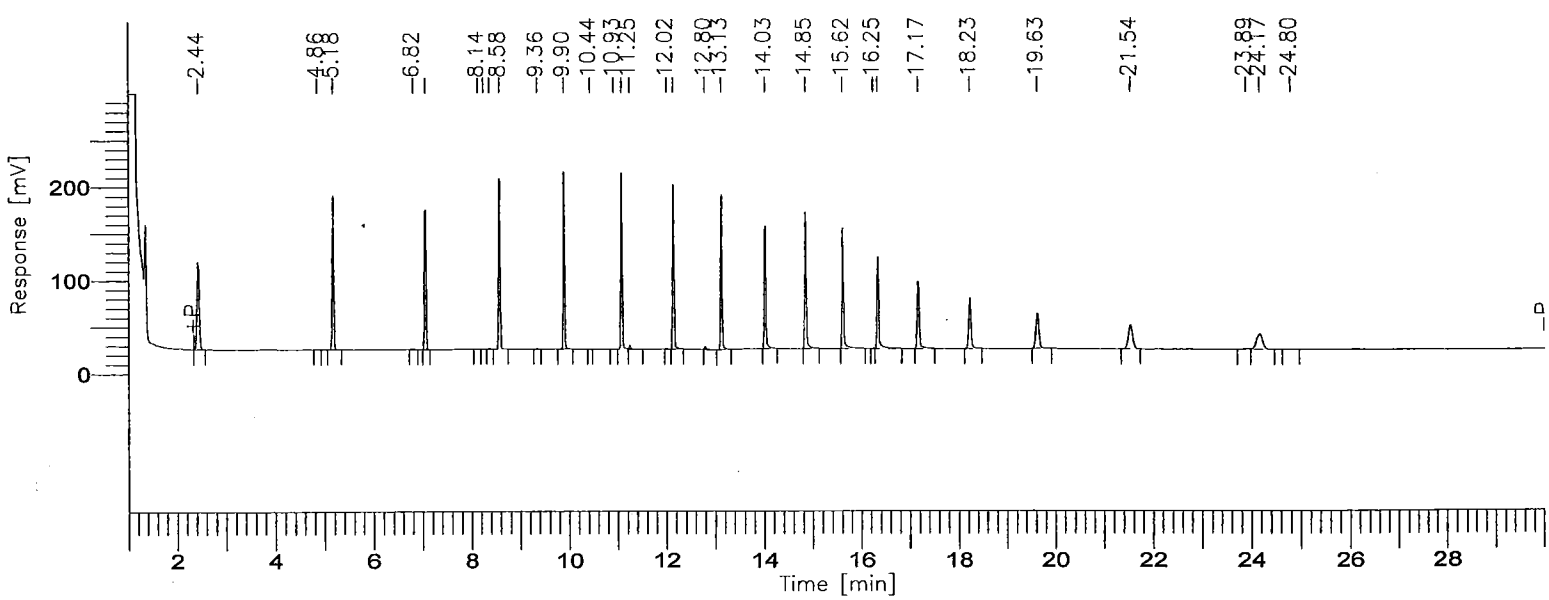
Raw Data File : C:\TC4\DATA_3\O23_057.RAW
Result File : C:\TC4\DATA_3\O23_057.RST
Inst Method : C:\TC4\DATA_3\METHODS\C8-C40A from C:\TC4\DATA_3\O23_057.RST
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A
Sequence File : C:\TC4\DATA_3\O23.SEQ

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



000961

8015B(TEPH)

GC03/FID:RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
3.749	C8-C9	316514	28.9660	30.0	-3.45
6.074	C10-C11	337674	28.8140	30.0	-3.95
7.769	C12-C13	342646	27.5474	30.0	-8.18
9.180	C14-C15	345358	28.2602	30.0	-5.80
10.441	C16-C17	349152	28.6788	30.0	-4.40
11.579	C18-C19	356867	29.3350	30.0	-2.22
13.051	C20-C23	680690	28.6717	30.0	-4.43
14.784	C24-C27	620902	28.6042	30.0	-4.65
16.356	C28-C31	528935	29.1925	30.0	-2.69
18.348	C32-C35	399665	30.0000	30.0	-1.61e-04
21.815	C36-C39	331419	32.4521	30.0	8.17
27.034	C40+	145335	34.2452	30.0	14.15
		4755158	354.7672		

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
2.439		314829	0.3148	------	----------
4.860		1685	0.0017	------	----------
		316514	0.3165		

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
5.181		335273	0.3353	------	----------
6.817		2401	0.0024	------	----------
		337674	0.3377		

Group Report For : C12-C13

Time	Component	Area	ACTUAL	TRUE	%

[min]	Name	[µV·s]	VALUE (PPM)	VALUE	D
7.058		338660	0.3387	------	----------
8.143		1350	0.0014	------	----------
8.252		608	0.0006	------	----------
8.378		2027	0.0020	------	----------
		342646	0.3426		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
8.581		344119	0.3441	------	----------
9.359		1240	0.0012	------	----------
		345358	0.3454		

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
9.901		347136	0.3471	------	----------
10.436		520	0.0005	------	----------
10.930		1496	0.0015	------	----------
		349152	0.3492		

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
11.084		346206	0.3462	------	----------
11.251		8566	0.0086	------	----------
12.016		2094	0.0021	------	----------
		356867	0.3569		

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
12.152		342823	0.3428	------	----------
12.804		6857	0.0069	------	----------

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
3.131		331010	0.3310	------	----------
		680690	0.6807		

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
14.026		319072	0.3191	------	----------
14.851		301830	0.3018	------	----------
		620902	0.6209		

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
15.618		280688	0.2807	------	----------
15.254		385	0.0004	------	----------
16.345		247862	0.2479	------	----------
		528935	0.5289		

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
17.173		214470	0.2145	------	----------
18.232		185195	0.1852	------	----------
		399665	0.3997		

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
19.634		169362	0.1694	------	----------
21.538		157631	0.1576	------	----------
23.893		4426	0.0044	------	----------
		331419	0.3314		

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
24.172		142201	0.1422	------	----------
24.797		3134	0.0031	------	----------
		145335	0.1453		

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O23_057.TX0

Software Version: 4.1<2F12>
Sample Name : #TEPH00-178 DIESEL STD Time : 10/25/00 03:39 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: 10/25/00 01:20 AM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

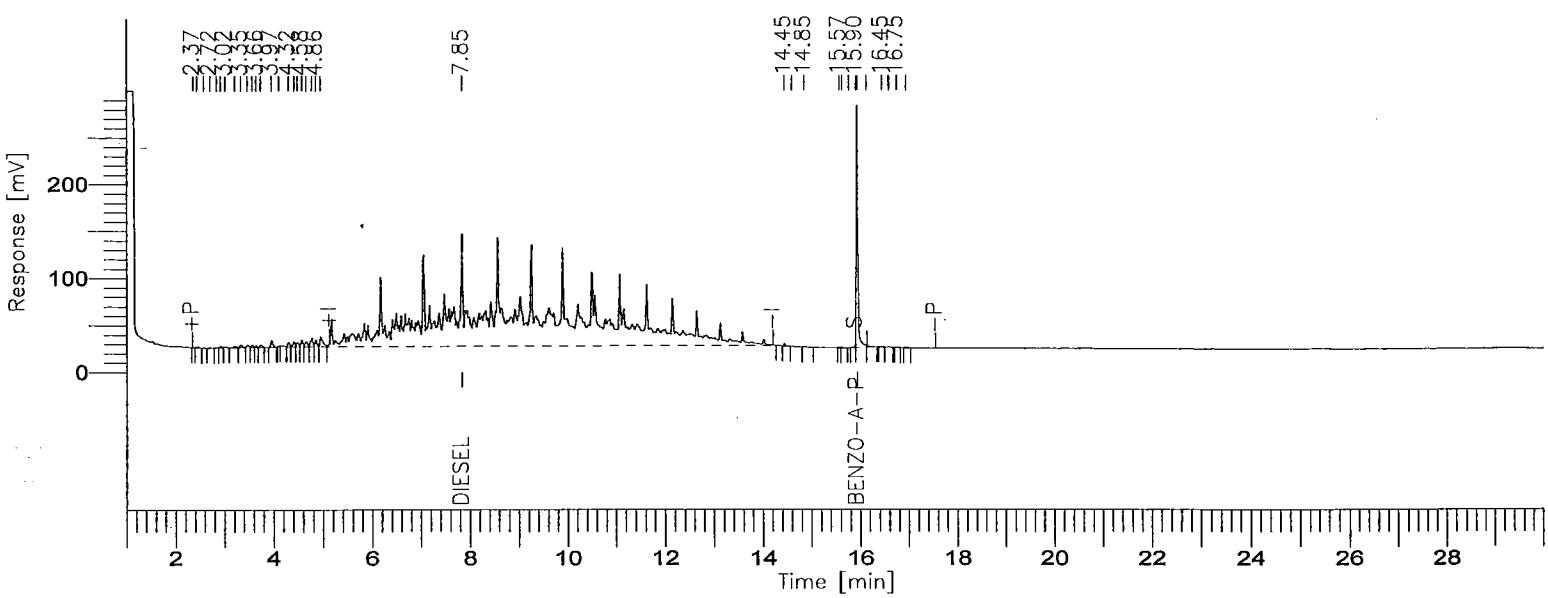
Raw Data File : C:\TC4\DATA_3\O23_061.RAW
Result File : C:\TC4\DATA_3\O23_061.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O23_061.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O23_061.RST
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O23_061.RST
Sequence File : C:\TC4\DATA_3\O23.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: 37



8015B(TEPH)

GC03/FID:RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
2.370		1494	0.0015	------	----------
2.448		4413	0.0044	------	----------
2.591		957	0.0010	------	----------
2.720		1726	0.0017	------	----------
2.850		1188	0.0012	------	----------
2.933		6816	0.0068	------	----------
3.022		4582	0.0046	------	----------
3.219		5545	0.0055	------	----------
3.346		9678	0.0097	------	----------
3.482		6834	0.0068	------	----------
3.579		5564	0.0056	------	----------
3.662		4476	0.0045	------	----------
3.754		8326	0.0083	------	----------
3.969		24232	0.0242	------	----------
.116		1888	0.0019	------	----------
4.315		12756	0.0128	------	----------
4.424		17813	0.0178	------	----------
4.488		16687	0.0167	------	----------
4.581		20982	0.0210	------	----------
4.667		20286	0.0203	------	----------
4.780		33743	0.0337	------	----------
4.862		22096	0.0221	------	----------
4.958		48273	0.0483	------	----------
7.849	DIESEL	11784801	1206.5233	1000.0	20.65
14.448		5293	0.0053	------	----------
14.597		899	0.0009	------	----------
14.851		2002	0.0020	------	----------
15.571		1332	0.0013	------	----------
15.627		1501	0.0015	------	----------
15.768		258	0.0003	------	----------
15.900		5909	0.0059	------	----------
15.935	BENZO-A-PYRENE	542692	60.9712	50.0	21.94
16.133		7873	0.0079	------	----------
16.446		2354	0.0024	------	----------
16.585		2188	0.0022	------	----------
16.749		1874	0.0019	------	----------
.939		1842	0.0018	------	----------
		12641174	1267.8082		

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O23_061.TX0

Software Version: 4.1<2F12>
Sample Name : #TEPH00-203 RT MARKER Time : 10/25/00 03:39 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: 10/25/00 01:59 AM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

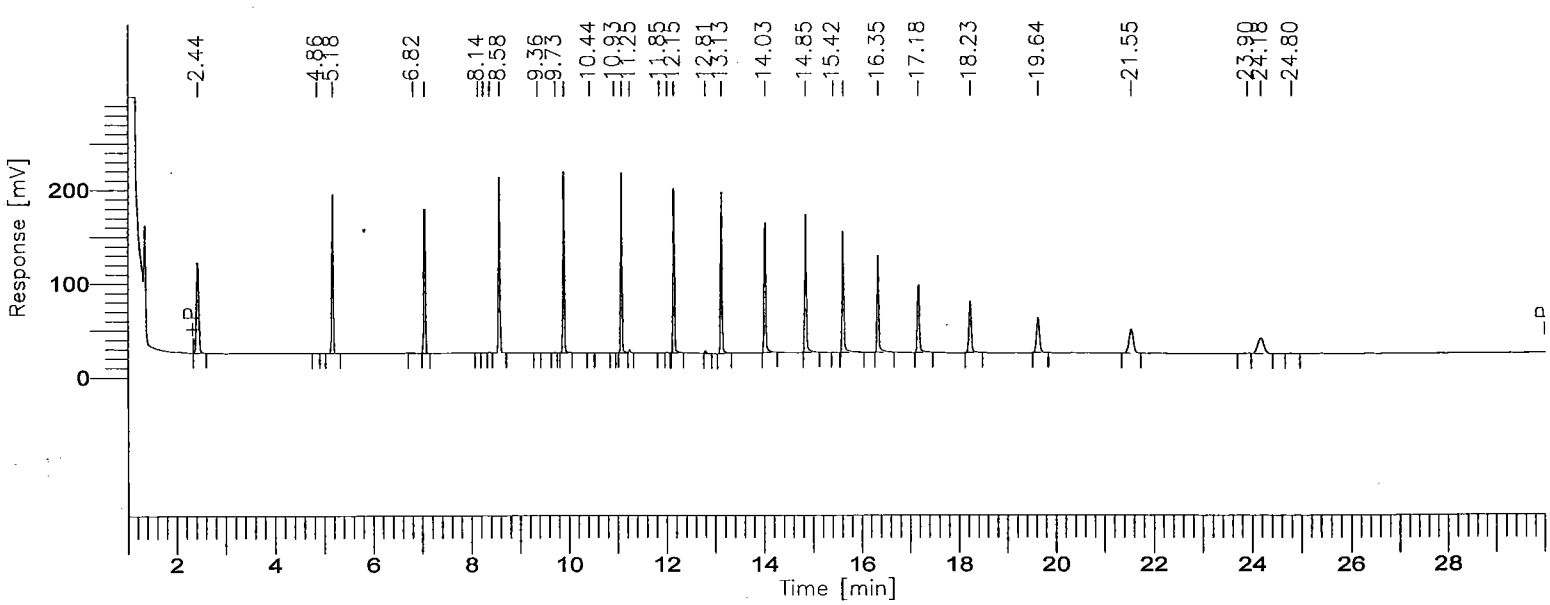
Raw Data File : C:\TC4\DATA_3\O23_062.RAW
Result File : C:\TC4\DATA_3\O23_062.RST
Inst Method : C:\TC4\DATA_3\METHODS\C8-C40A from C:\TC4\DATA_3\O23_062.RST
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A from C:\TC4\DATA_3\O23_062.RST
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A from C:\TC4\DATA_3\O23_062.RST
Sequence File : C:\TC4\DATA_3\O23.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
3.749	C8-C9	328528	30.0655	30.0	0.22
6.075	C10-C11	349309	29.8068	30.0	-0.64
7.769	C12-C13	353624	28.4300	30.0	-5.23
9.181	C14-C15	356203	29.1477	30.0	-2.84
10.441	C16-C17	358935	29.4823	30.0	-1.73
11.579	C18-C19	365540	30.0480	30.0	0.16
13.051	C20-C23	701283	29.5392	30.0	-1.54
14.784	C24-C27	640225	29.4944	30.0	-1.69
16.357	C28-C31	536526	29.6115	30.0	-1.29
18.348	C32-C35	406698	30.5279	30.0	1.76
21.815	C36-C39	335456	32.8474	30.0	9.49
27.034	C40+	146961	34.6282	30.0	15.43
		4879288	363.6287		

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
2.439		326663	0.3267	------	----------
4.860		1865	0.0019	------	----------
		328528	0.3285		

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
5.181		346931	0.3469	------	----------
6.817		2378	0.0024	------	----------
		349309	0.3493		

Group Report For : C12-C13

Time	Component	Area	ACTUAL	TRUE	%

[min]	Name	[µV·s]	VALUE (PPM)	VALUE	D
7.058		349364	0.3494	------	----------
8.143		1569	0.0016	------	----------
8.250		717	0.0007	------	----------
8.378		1974	0.0020	------	----------
		353624	0.3536		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
8.581		353940	0.3539	------	----------
9.361		1180	0.0012	------	----------
9.726		1084	0.0011	------	----------
		356203	0.3562		

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
9.902		357179	0.3572	------	----------
10.435		572	0.0006	------	----------
10.930		1184	0.0012	------	----------
		358935	0.3589		

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
11.085		355916	0.3559	------	----------
11.251		6558	0.0066	------	----------
11.852		955	0.0010	------	----------
12.016		2110	0.0021	------	----------
		365540	0.3655		

Group Report For : C20-C23

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

12.153		353158	0.3532	------	----------
12.805		6902	0.0069	------	----------
13.131		341224	0.3412	------	----------
		701283	0.7013		

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
14.027		328650	0.3286	------	----------
14.852		311186	0.3112	------	----------
15.417		389	0.0004	------	----------
		640225	0.6402		

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
15.619		287560	0.2876	------	----------
[illegible].347		248967	0.2490	------	----------
		536526	0.5365		

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
17.176		217599	0.2176	------	----------
18.234		189099	0.1891	------	----------
		406698	0.4067		

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
[illegible].637		170814	0.1708	------	----------
[illegible].545		160296	0.1603	------	----------
23.903		4346	0.0043	------	----------
		335456	0.3355		

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
24.178		143820	0.1438	------	----------
24.800		3141	0.0031	------	----------
		146961	0.1470		

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O23_062.TX0

Lot/Sample: E0J100000-524B INTRA-LAB BLANK TICs.....: N Report Results: Y
WO#.....: DLW5A-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: 10/24/00
Inject Time..: 15:34 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O23_046A
Instr ID: G03 Column: RTX-1 ID: .53
Sampling date.....:10/09/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/25 19:07:49
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/10/00
QC Batch.....: 0284524
MS Run Number:
Prep Time....: 17:00-21:00
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	14.043	112.3512		

Software Version: 4.1<2F12>
Sample Name : 227-MB Time : 10/25/00 03:45 PM
Sample Number: DLW5A101B 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: 10/24/00 03:34 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

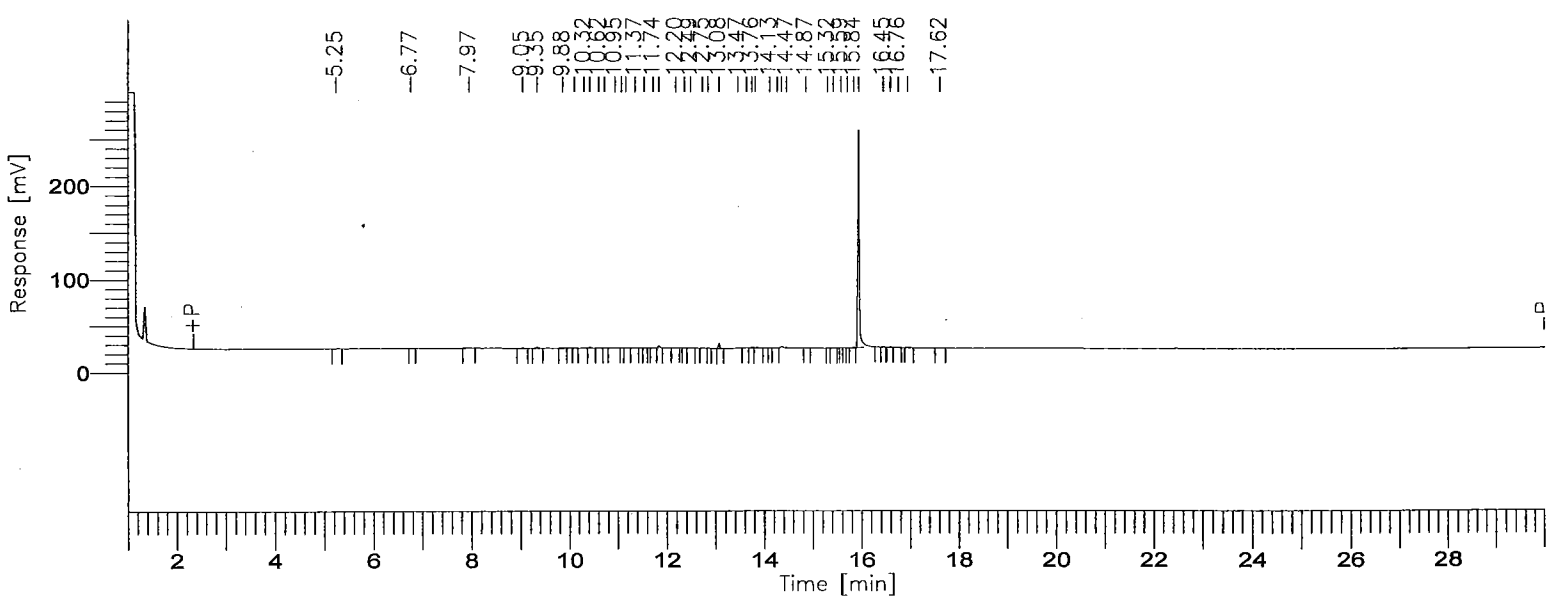
Raw Data File : C:\TC4\DATA_3\O23_046A.RAW
Result File : C:\TC4\DATA_3\O23_046A.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O23_046A.RS
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_3\O23A.SEQ

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: 44



000975

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	1695	0.0362	-------	10.0	
7.77	C12-C13	1726	0.0347	-------	10.0	
9.18	C14-C15	6192	0.1267	-------	10.0	
10.44	C16-C17	13151	0.2701	-------	10.0	
11.58	C18-C19	9521	0.1957	-------	10.0	
13.05	C20-C23	36281	0.3821	-------	10.0	
14.78	C24-C27	8623	0.0993	-------	10.0	
16.36	C28-C31	518924	7.1600	-------	10.0	
18.35	C32-C35	1242	0.0233	-------	10.0	
21.82	C36-C39	0	0.0000	-------	10.0	
27.03	C40+	0	0.0000	-------	10.0	
		597354	8.3279			

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		931	0.0002	-------	10.0	
6.77		764	0.0002	-------	10.0	
		1695	0.0004			

Group Report For : C12-C13

[illegible]e [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.97		1726	0.0004	-------	10.0	

	1726	0.0004

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.05		1549	0.0004	-------	10.0	
9.35		4643	0.0012	-------	10.0	
		6192	0.0015			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.88		2146	0.0005	-------	10.0	
10.12		726	0.0002	-------	10.0	
10.32		1693	0.0004	-------	10.0	
10.44		3064	0.0008	-------	10.0	
10.62		1279	0.0003	-------	10.0	
10.74		1110	0.0003	-------	10.0	
10.95		3133	0.0008	-------	10.0	
		13151	0.0033			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.08		852	0.0002	-------	10.0	
11.18		1315	0.0003	-------	10.0	
11.37		858	0.0002	-------	10.0	
11.55		598	0.0001	-------	10.0	
11.74		982	0.0002	-------	10.0	
11.85		4916	0.0012	-------	10.0	
		9521	0.0024			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.20		970	0.0002	-------	10.0	
12.37		1004	0.0003	-------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
[illegible].49		2380	0.0006	-------	10.0	
12.75		4342	0.0011	-------	10.0	
12.86		1552	0.0004	-------	10.0	
13.08		11279	0.0028	-------	10.0	
13.47		4962	0.0012	-------	10.0	
13.65		3246	0.0008	-------	10.0	
13.76		3698	0.0009	-------	10.0	
13.83		2848	0.0007	-------	10.0	
		36281	0.0091			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.13		490	0.0001	-------	10.0	
14.28		633	0.0002	-------	10.0	
14.37		4115	0.0010	-------	10.0	
14.47		739	0.0002	-------	10.0	
[illegible] 87		1306	0.0003	-------	10.0	
[illegible].32		436	0.0001	-------	10.0	
15.43		904	0.0002	-------	10.0	
		8623	0.0022			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.59		775	0.0002	-------	10.0	
15.71		292	0.0001	-------	10.0	
15.84		2825	0.0007	-------	10.0	
15.95		505810	0.1265	-------	10.0	
16.45		2281	0.0006	-------	10.0	
16.60		1642	0.0004	-------	10.0	
16.76		2438	0.0006	-------	10.0	
16.95		2860	0.0007	-------	10.0	
		518924	0.1297			

Group Report For : C32-C35

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

17.62	1242	0.0003	-------	10.0
	1242	0.0003		

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\O23_046A.TXO

Software Version: 4.1<2F12>
Sample Name : 227-MB Time : 10/24/00 04:04 PM
Sample Number: DLW5A101B 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: 10/24/00 03:34 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

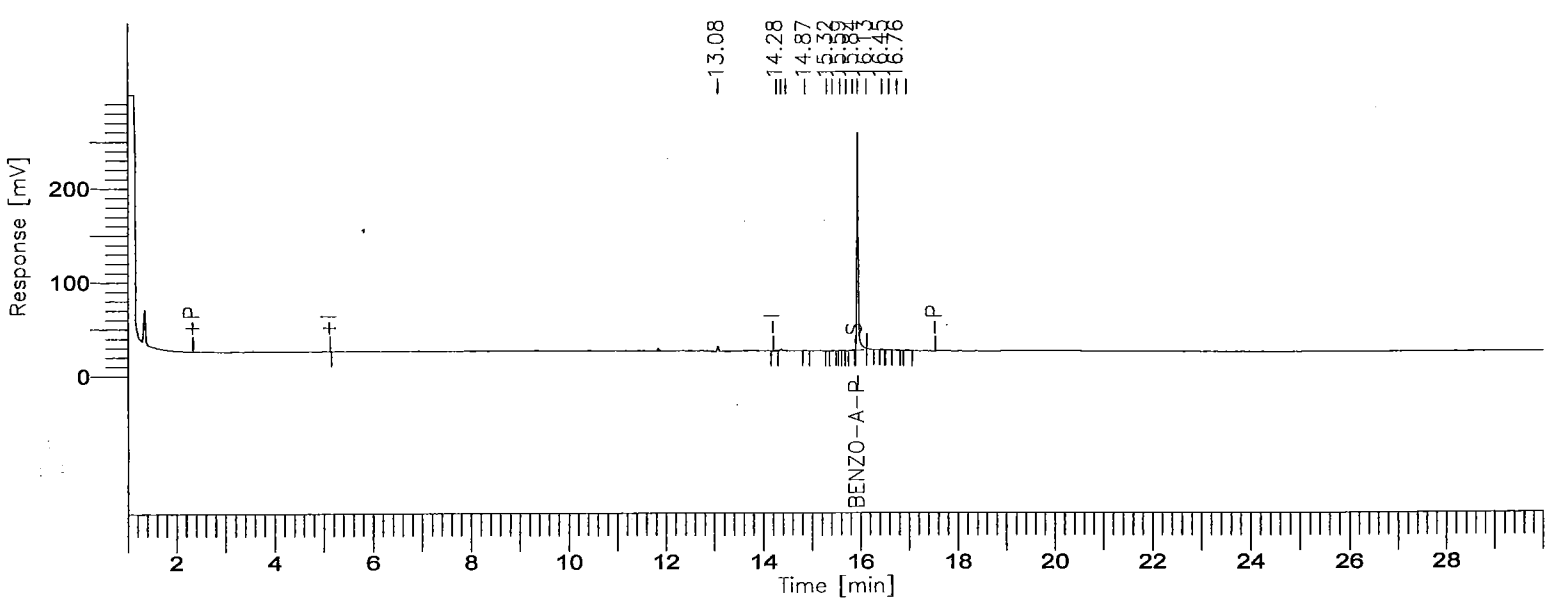
Raw Data File : C:\TC4\DATA_3\O23_046.RAW
Result File : C:\TC4\DATA_3\O23_046.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O23_046.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_3\O23.SEQ

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



8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.62	DIESEL	0	0.0000	-------	10.0	
15.95	BENZO-A-PYRENE	500007	14.0439	112.35	10.0	
		500007	14.0439			

Missing Component Report

Component	Expected Retention (Calibration File)
DIESEL	7.618

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O23_046.TXO

Lot/Sample: E0J100000-524C INTRA-LAB CHECK TICs.....: N Report Results: Y
WO#.....: DLW5A-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: 10/24/00
Inject Time..: 16:13 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O23_047
Instr ID: G03 Column: RTX-1 ID: .53
Sampling date.....:10/09/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/10 19:44:57
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/10/00
QC Batch.....: 0284524
MS Run Number:
Prep Time....: 17:00-17:00
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
04980	Diesel Range Organics			250	252.8217	101.1	0		
05013	Motor Oil Range Organic			250	NA	0	0		NA
03052	TPH (as Diesel)			250	252.8217	101.1	0		
03053	TPH (as Motor Oil)			250	NA	0	0		NA

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	14.412	115.2984		NA

Software Version: 4.1<2F12>
Sample Name : 227-LCS
Sample Number: DLW5A102C
Operator :

Time : 10/24/00 04:43 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: 10/24/00 04:13 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_3\O23_047.RAW
Result File : C:\TC4\DATA_3\O23_047.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O23_047.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_3\O23.SEQ

Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

Noise Threshold: 50
Multiplier : 5.0000

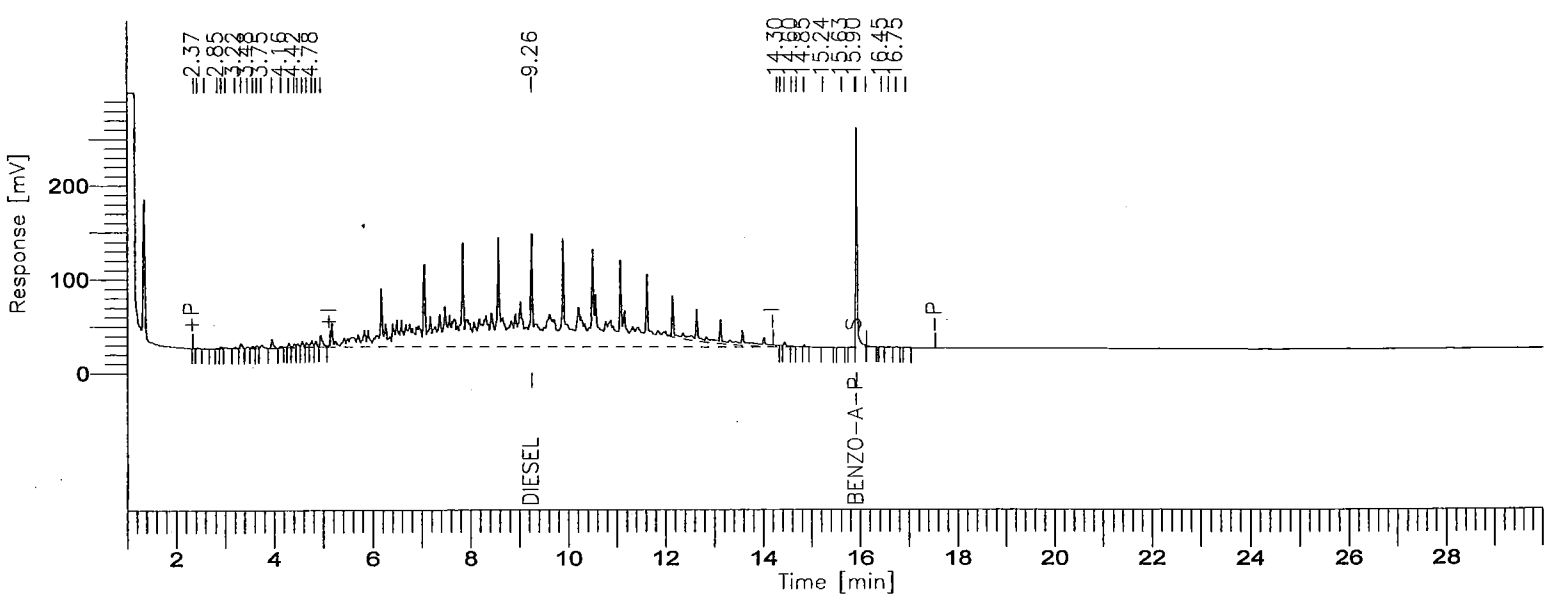
Area Threshold : 200
Divisor : 20.0000

Bunch Factor: 1
Addend : 0.0000

User1 : TPHDA
User2 :
User3 :
User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 38



8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% RECOVERY	FN
9.264	DIESEL	9877815	252.8217	250.0000	101.13	
15.936	BENZO-A-PYRENE	513124	14.4123	12.5000	115.30	
		10390939				

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O23_047.TX0

Lot/Sample: E0J090227-012 C-2-105-5 TICs.....: N Report Results: Y
WO#.....: DLTCR-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: 10/24/00
Inject Time..: 16:52 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O23_048A
Instr ID: G03 Column: RTX-1 ID: .53
Sampling date.....:10/09/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/25 19:06:27
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/10/00
QC Batch.....: 0284524
MS Run Number: 0284312
Prep Time....: 17:00-21:00
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: E0J090227-012 C-2-105-5 TICs.....: N Report Results: Y
WO#.....: DLTCR-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	14.322	114.5816		

Software Version: 4.1<2F12>
Sample Name : 227-12 Time : 10/25/00 03:45 PM
Sample Number: DLTCR102 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: 10/24/00 04:52 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

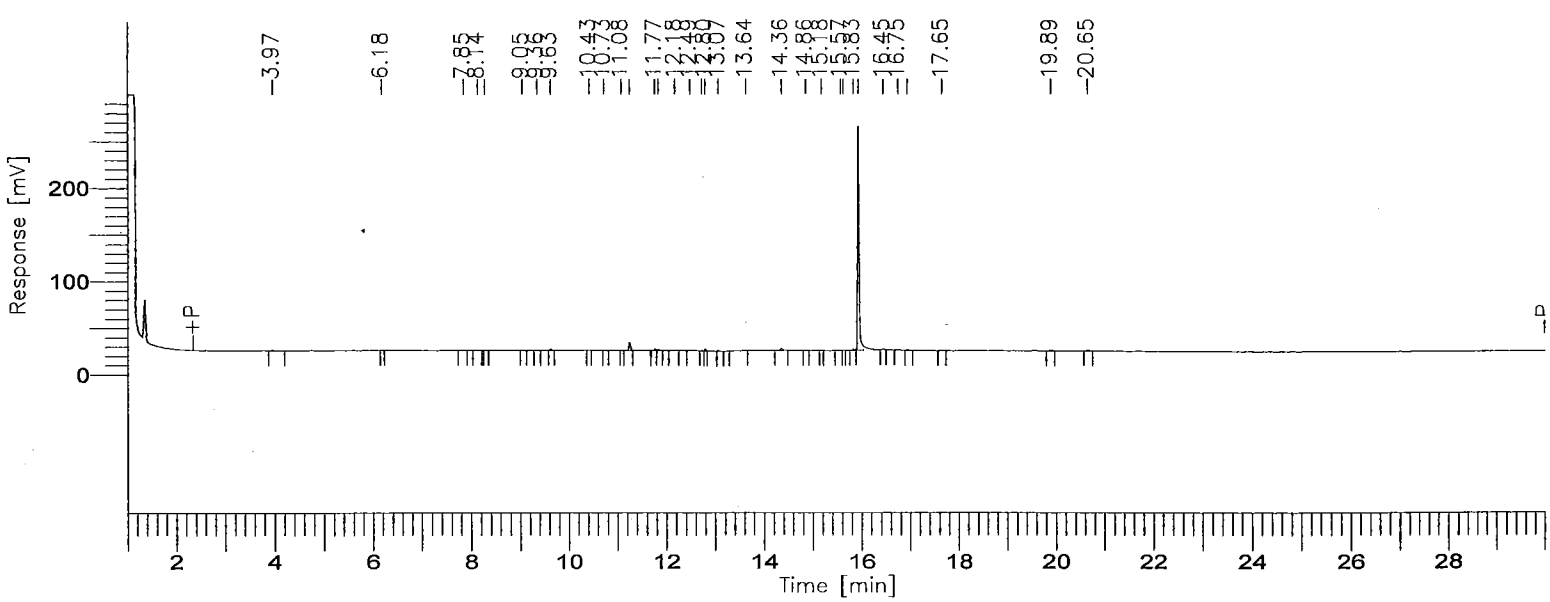
Raw Data File : C:\TC4\DATA_3\O23_048A.RAW
Result File : C:\TC4\DATA_3\O23_048A.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O23_048A.RS
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_3\O23A.SEQ

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: 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	439	0.0100	-------	10.0	
6.07	C10-C11	570	0.0122	-------	10.0	
7.77	C12-C13	2691	0.0541	-------	10.0	
9.18	C14-C15	5286	0.1081	-------	10.0	
10.44	C16-C17	948	0.0195	-------	10.0	
11.58	C18-C19	27081	0.5565	-------	10.0	
13.05	C20-C23	10485	0.1104	-------	10.0	
14.78	C24-C27	8118	0.0935	-------	10.0	
16.36	C28-C31	537958	7.4226	-------	10.0	
18.35	C32-C35	1017	0.0191	-------	10.0	
21.82	C36-C39	2808	0.0688	-------	10.0	
27.03	C40+	0	0.0000	-------	10.0	
		597400	8.4748			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.97		439	0.0001	-------	10.0	
		439	0.0001			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
6.18		570	0.0001	-------	10.0	
		570	0.0001			

Group Report For : C12-C13

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

7.85		499	0.0001	-------	10.0
8.14		1836	0.0005	-------	10.0
8.28		356	0.0001	-------	10.0
		2691	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		1095	0.0003	-------	10.0	
9.36		1397	0.0003	-------	10.0	
9.63		2794	0.0007	-------	10.0	
		5286	0.0013			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.43		448	0.0001	-------	10.0	
10.73		500	0.0001	-------	10.0	
		948	0.0002			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.08		309	0.0001	-------	10.0	
11.25		20474	0.0051	-------	10.0	
11.77		3327	0.0008	-------	10.0	
11.84		2971	0.0007	-------	10.0	
		27081	0.0068			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.18		871	0.0002	-------	10.0	
12.49		1429	0.0004	-------	10.0	
12.73		596	0.0001	-------	10.0	
12.80		3215	0.0008	-------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
[illegible].07		2009	0.0005	-------	10.0	
13.64		2365	0.0006	-------	10.0	
		10485	0.0026			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.36		5470	0.0014	-------	10.0	
14.86		767	0.0002	-------	10.0	
15.18		428	0.0001	-------	10.0	
15.57		1453	0.0004	-------	10.0	
		8118	0.0020			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.63		1198	0.0003	-------	10.0	
15.83		2553	0.0006	-------	10.0	
15.94		526175	0.1315	-------	10.0	
16.45		3368	0.0008	-------	10.0	
16.75		2982	0.0007	-------	10.0	
16.94		1682	0.0004	-------	10.0	
		537958	0.1345			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.65		1017	0.0003	-------	10.0	
		1017	0.0003			

Group Report For : C36-C39

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

19.89	1161	0.0003	-------	10.0
20.65	1648	0.0004	-------	10.0
	2808	0.0007		

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\O23_048A.TX0

Software Version: 4.1<2F12>
Sample Name : 227-12 Time : 10/24/00 05:22 PM
Sample Number: DLTCR102 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: 10/24/00 04:52 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

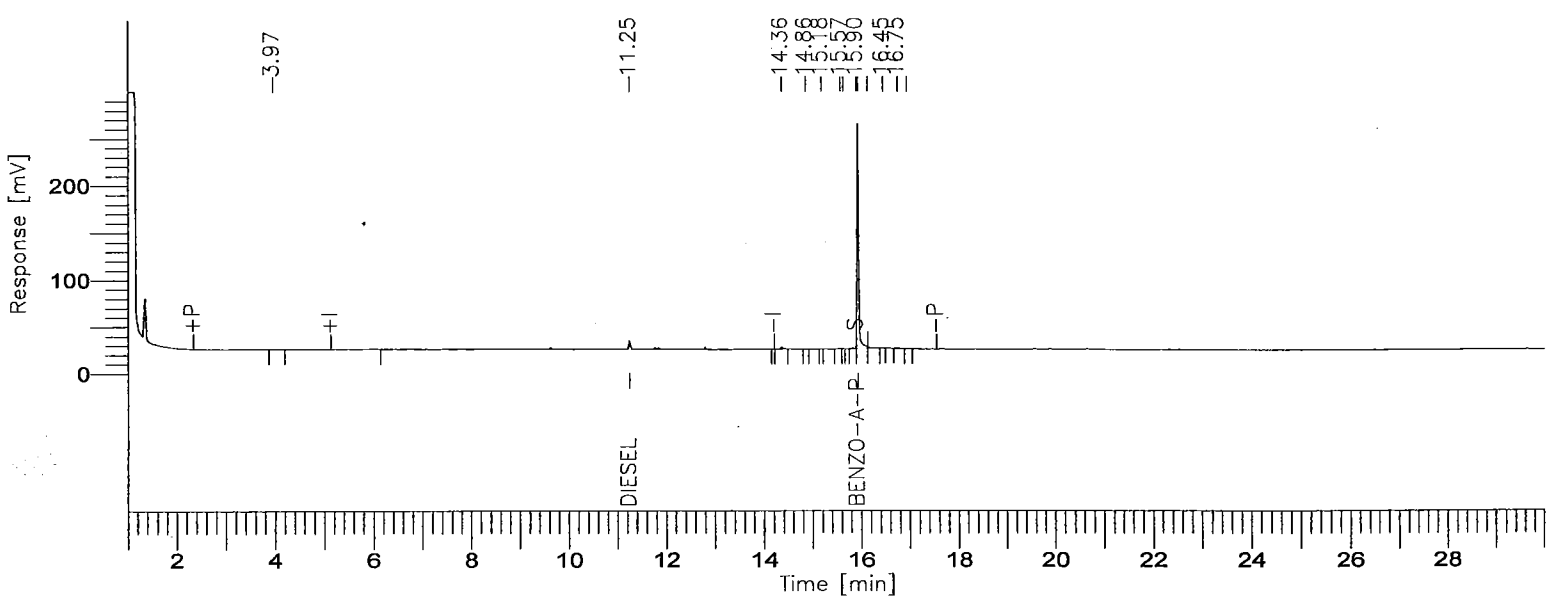
Raw Data File : C:\TC4\DATA_3\O23_048.RAW
Result File : C:\TC4\DATA_3\O23_048.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O23_048.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_3\O23.SEQ

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
11.25	DIESEL	43407	1.1110	-------	10.0	
15.94	BENZO-A-PYRENE	509933	14.3227	114.58	10.0	
		553340	15.4337			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O23_048.TX0

Lot/Sample: E0J090227-012S C-2-105-5 TICs.....: N Report Results: Y
WO#.....: DLTCR-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: 10/24/00
Inject Time..: 17:31 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: 023_049
Instr ID: G03 Column: RTX-1 ID: .53
Sampling date.....:10/09/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/17 10:42:31
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/10/00
QC Batch.....: 0284524
MS Run Number: 0284312
Prep Time....: 17:00-17:00
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	227.7357	91.09	1.25		
	Sample amount: NA								
05013	Motor Oil Range Organic			250	NA	0	0		NA
	Sample amount: NA								
03052	TPH (as Diesel)			250	227.7357	91.09	1.25		
	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	12.484	99.8792		NA

Software Version: 4.1<2F12>
Sample Name : 227-12 MS
Sample Number: DLTCR10PS
Operator :

Time : 10/24/00 06:01 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: 10/24/00 05:31 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_3\O23_049.RAW
Result File : C:\TC4\DATA_3\O23_049.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O23_049.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_3\O23.SEQ

Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

Noise Threshold: 50
Multiplier : 5.0000

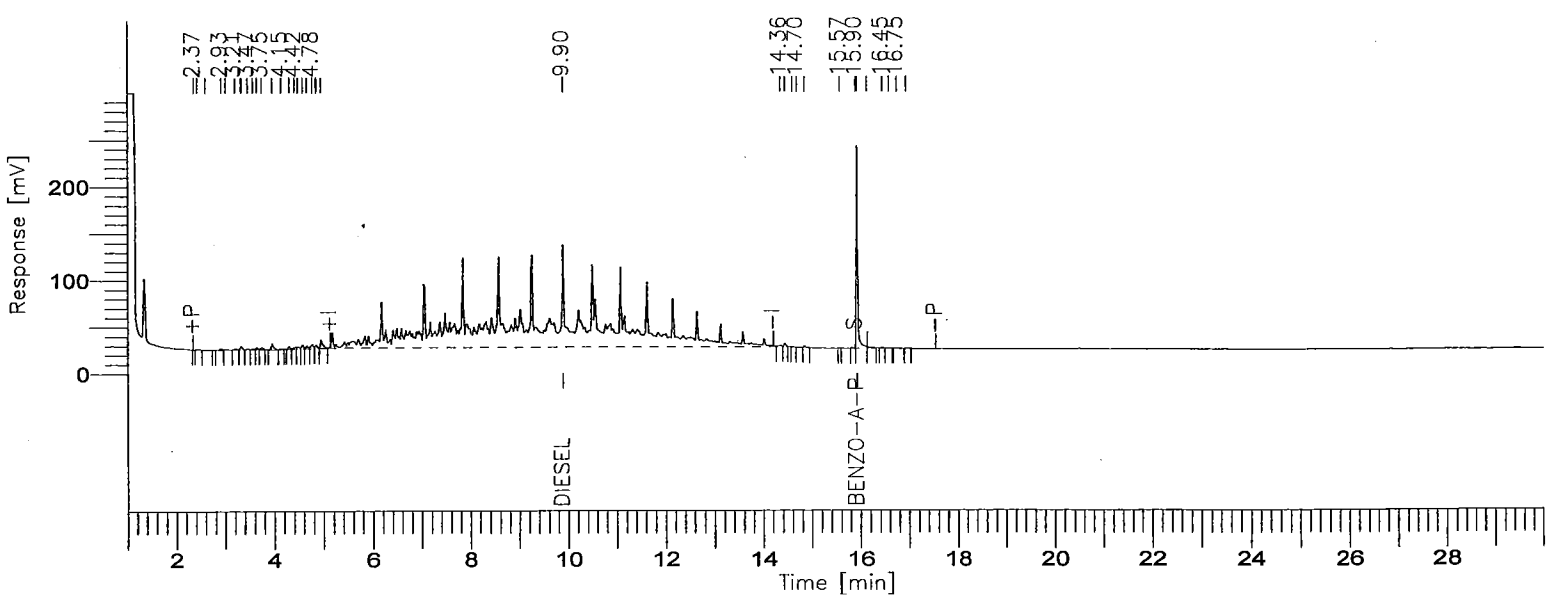
Area Threshold : 200
Divisor : 20.0000

Bunch Factor: 1
Addend : 0.0000

User1 : TPHDA
User2 :
User3 :
User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 35



8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% RECOVERY	FN
9.901	DIESEL	8897700	227.7357	250.0000	91.09	
15.935	BENZO-A-PYRENE	444500	12.4849	12.5000	99.88	
		9342200				

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O23_049.TX0

Lot/Sample: E0J090227-012D C-2-105-5 TICs.....: N Report Results: Y
WO#.....: DLTCR-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: 10/24/00
Inject Time..: 18:11 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O23_050
Instr ID: G03 Column: RTX-1 ID: .53
Sampling date.....:10/09/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/17 10:42:31
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/10/00
QC Batch.....: 0284524
MS Run Number: 0284312
Prep Time....: 17:00-17:00
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	224.9004	89.96	1.25		
	Sample amount: NA								
05013	Motor Oil Range Organic			250	NA	0	0		NA
	Sample amount: NA								
03052	TPH (as Diesel)			250	224.9004	89.96	1.25		
	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	12.341	98.7344		NA

Software Version: 4.1<2F12>
Sample Name : 227-12 MSD
Sample Number: DLTCR10QD
Operator :

Time : 10/24/00 06:40 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: 10/24/00 06:11 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_3\O23_050.RAW
Result File : C:\TC4\DATA_3\O23_050.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O23_050.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_3\O23.SEQ

Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

Noise Threshold: 50
Multiplier : 5.0000

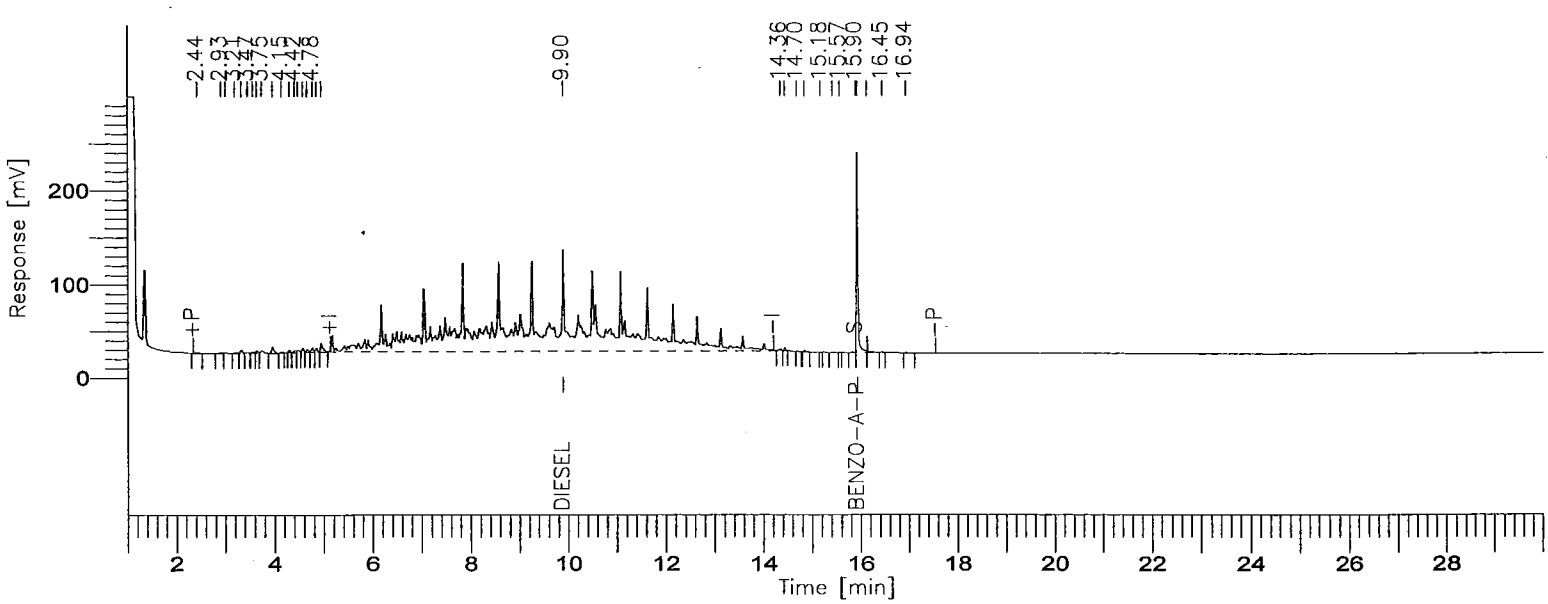
Area Threshold : 200
Divisor : 20.0000

Bunch Factor: 1
Addend : 0.0000

User1 : TPHDA
User2 :
User3 :
User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 32



8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% RECOVERY	FN
9.901	DIESEL	8786922	224.9004	250.0000	89.96	
15.934	BENZO-A-PYRENE	439407	12.3418	12.5000	98.73	
		9226329				

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O23_050.TX0

Lot/Sample: E0J090227-013 C-2-106-1 TICs.....: N Report Results: Y
WO#.....: DLTCT-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: 10/24/00
Inject Time..: 18:50 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O23_051A
Instr ID: G03 Column: RTX-1 ID: .53
Sampling date.....:10/09/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/25 19:06:34
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/10/00
QC Batch.....: 0284524
MS Run Number: 0284312
Prep Time....: 17:00-21:00
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	13.715	109.7256		

Software Version: 4.1<2F12>
Sample Name : 227-13 Time : 10/25/00 03:45 PM
Sample Number: DLTCT102 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: 10/24/00 06:50 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

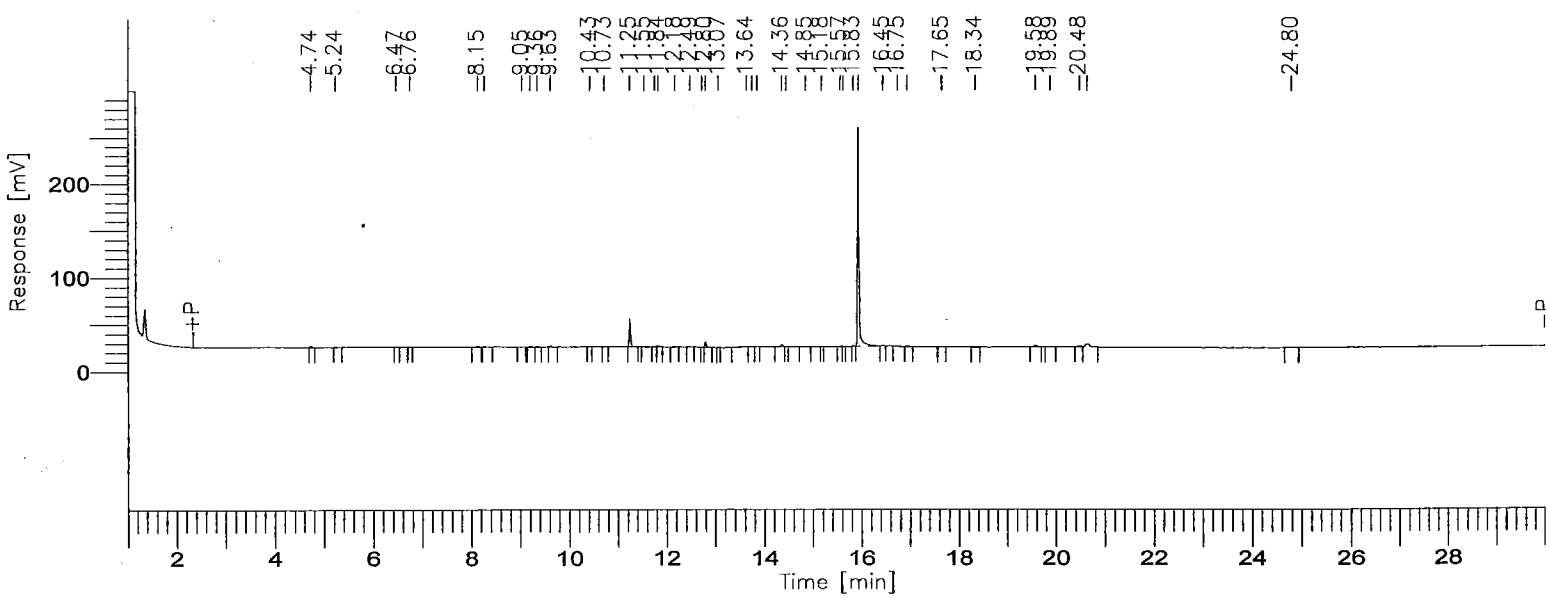
Raw Data File : C:\TC4\DATA_3\O23_051A.RAW
Result File : C:\TC4\DATA_3\O23_051A.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O23_051A.RS
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_3\O23A.SEQ

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: 42



001001

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	3029	0.0693	-------	10.0	
6.07	C10-C11	2395	0.0511	-------	10.0	
7.77	C12-C13	2830	0.0569	-------	10.0	
9.18	C14-C15	5232	0.1070	-------	10.0	
10.44	C16-C17	1276	0.0262	-------	10.0	
11.58	C18-C19	62186	1.2779	-------	10.0	
13.05	C20-C23	22404	0.2359	-------	10.0	
14.78	C24-C27	8605	0.0991	-------	10.0	
16.36	C28-C31	514941	7.1051	-------	10.0	
18.35	C32-C35	2300	0.0432	-------	10.0	
21.82	C36-C39	30784	0.7536	-------	10.0	
27.03	C40+	4220	0.2486	-------	10.0	
		660203	10.0739			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
4.74		3029	0.0008	-------	10.0	
		3029	0.0008			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.24		1309	0.0003	-------	10.0	
6.47		624	0.0002	-------	10.0	
6.76		462	0.0001	-------	10.0	
		2395	0.0006			

Group Report For : C12-C13

Time	Component	Area	Final Results	% SURR	REP. LIMIT	FN

[min]	Name	[µV·s]	(ppm)	REC	mg/kg
[illegible].15		2044	0.0005	-------	10.0
.28		786	0.0002	-------	10.0
		2830	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		579	0.0001	-------	10.0	
9.21		1342	0.0003	-------	10.0	
9.36		1402	0.0004	-------	10.0	
9.63		1908	0.0005	-------	10.0	
		5232	0.0013			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.43		804	0.0002	-------	10.0	
10.73		472	0.0001	-------	10.0	
		1276	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		55243	0.0138	-------	10.0	
11.55		1806	0.0005	-------	10.0	
11.77		2123	0.0005	-------	10.0	
11.84		3013	0.0008	-------	10.0	
		62186	0.0155			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.18		1335	0.0003	-------	10.0	
12.49		686	0.0002	-------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
[illegible].73		479	0.0001	-------	10.0	
12.80		11776	0.0029	-------	10.0	
13.07		1379	0.0003	-------	10.0	
13.64		3291	0.0008	-------	10.0	
13.75		1836	0.0005	-------	10.0	
13.86		1622	0.0004	-------	10.0	
		22404	0.0056			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.36		5058	0.0013	-------	10.0	
14.45		492	0.0001	-------	10.0	
14.85		1157	0.0003	-------	10.0	
15.18		440	0.0001	-------	10.0	
15.57		1458	0.0004	-------	10.0	
		8605	0.0022			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.63		1235	0.0003	-------	10.0	
15.83		2303	0.0006	-------	10.0	
15.93		503481	0.1259	-------	10.0	
16.45		3135	0.0008	-------	10.0	
16.75		2944	0.0007	-------	10.0	
16.94		1843	0.0005	-------	10.0	
		514941	0.1287			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
[illegible].65		1246	0.0003	-------	10.0	
18.34		1054	0.0003	-------	10.0	
		2300	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		6521	0.0016	-------	10.0	
19.89		1314	0.0003	-------	10.0	
20.48		5802	0.0015	-------	10.0	
20.64		17148	0.0043	-------	10.0	
		30784	0.0077			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
24.80		4220	0.0011	-------	10.0	
		4220	0.0011			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O23_051A.TX0

Software Version: 4.1<2F12>
Sample Name : 227-13 Time : 10/24/00 07:19 PM
Sample Number: DLTCT102 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: 10/24/00 06:50 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

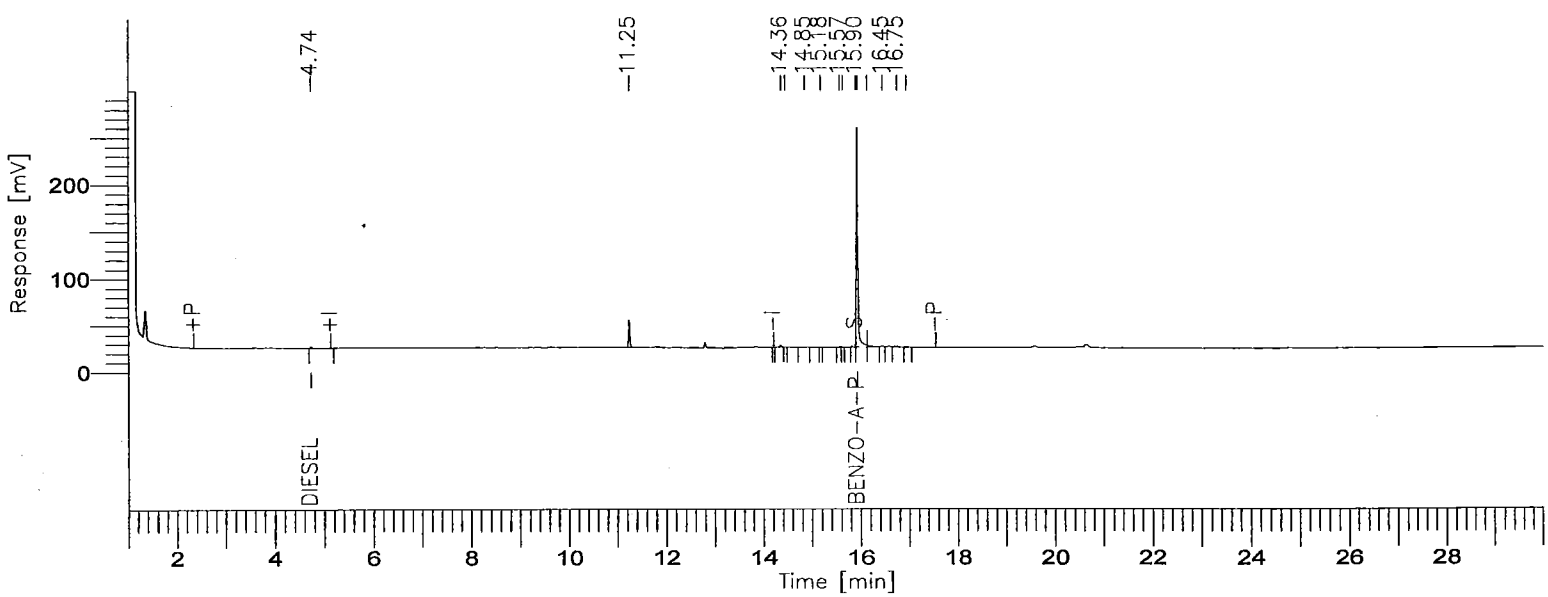
Raw Data File : C:\TC4\DATA_3\O23_051.RAW
Result File : C:\TC4\DATA_3\O23_051.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O23_051.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_3\O23.SEQ

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	4890	0.1252	-------	10.0	
15.93	BENZO-A-PYRENE	488322	13.7157	109.73	10.0	
		493212	13.8408			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O23_051.TX0

Lot/Sample: E0J090227-014 C-2-106-5 TICs.....: N Report Results: Y
WO#.....: DLTCW-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: 10/24/00
Inject Time..: 19:28 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O23_052A
Instr ID: G03 Column: RTX-1 ID: .53
Sampling date.....:10/09/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/25 19:06:40
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/10/00
QC Batch.....: 0284524
MS Run Number: 0284312
Prep Time....: 17:00-21:00
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	14.424	115.3944		

Software Version: 4.1<2F12>
Sample Name : 227-14 Time : 10/25/00 03:45 PM
Sample Number: DLTCW102 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: 10/24/00 07:28 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

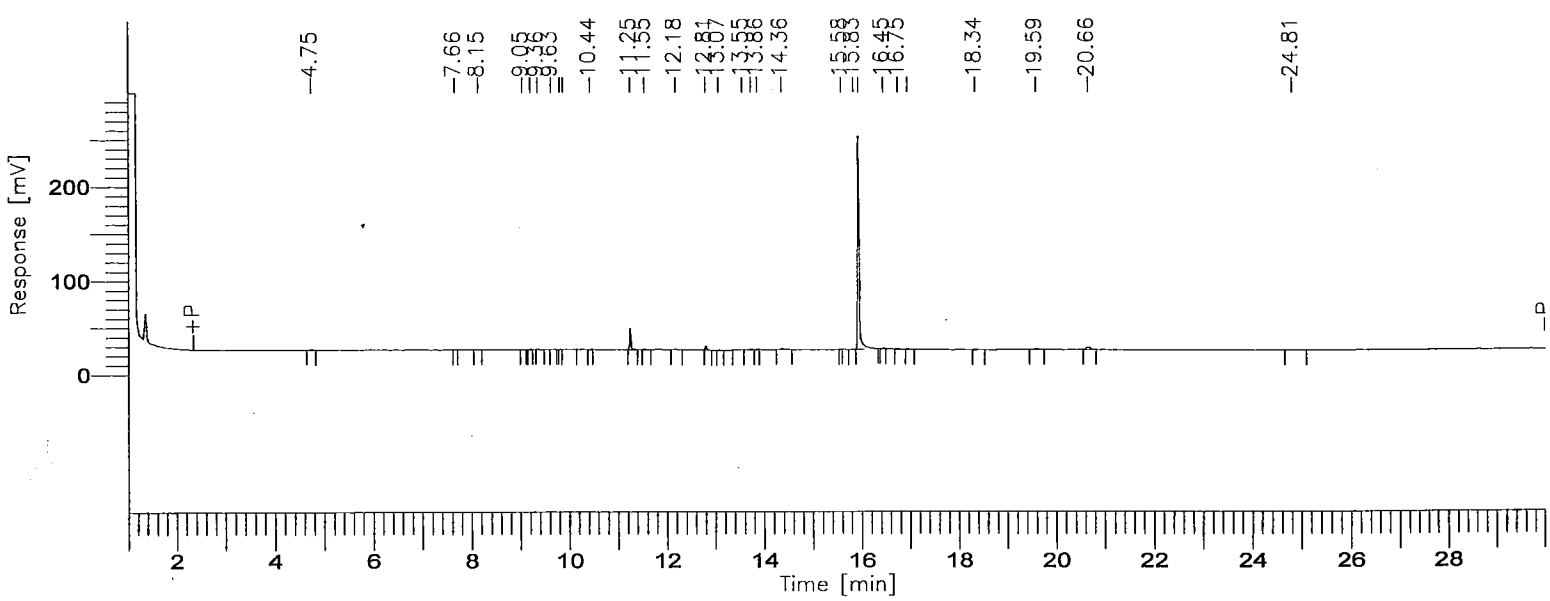
Raw Data File : C:\TC4\DATA_3\O23_052A.RAW
Result File : C:\TC4\DATA_3\O23_052A.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O23_052A.RS
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_3\O23A.SEQ

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



001009

BOE-C6-0150127

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	2970	0.0680	-------	10.0	
6.07	C10-C11	0	0.0000	-------	10.0	
7.77	C12-C13	1956	0.0393	-------	10.0	
9.18	C14-C15	3509	0.0718	-------	10.0	
10.44	C16-C17	1651	0.0339	-------	10.0	
11.58	C18-C19	44356	0.9115	-------	10.0	
13.05	C20-C23	19532	0.2057	-------	10.0	
14.78	C24-C27	5293	0.0610	-------	10.0	
16.36	C28-C31	533335	7.3588	-------	10.0	
18.35	C32-C35	866	0.0163	-------	10.0	
21.82	C36-C39	19005	0.4652	-------	10.0	
27.03	C40+	4424	0.2606	-------	10.0	
		636896	9.4920			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
4.75		2970	0.0007	-------	10.0	
		2970	0.0007			

Group Report For : C10-C11

No peaks available to report

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.66		407	0.0001	-------	10.0	
8.15		1549	0.0004	-------	10.0	

	1956	0.0005

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.05		512	0.0001	-------	10.0	
9.21		680	0.0002	-------	10.0	
9.36		1272	0.0003	-------	10.0	
9.63		645	0.0002	-------	10.0	
9.81		400	0.0001	-------	10.0	
		3509	0.0009			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.88		866	0.0002	-------	10.0	
10.44		785	0.0002	-------	10.0	
		1651	0.0004			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.25		43218	0.0108	-------	10.0	
11.55		1138	0.0003	-------	10.0	
		44356	0.0111			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.18		1536	0.0004	-------	10.0	
12.81		9953	0.0025	-------	10.0	
[illegible]07		1288	0.0003	-------	10.0	
[illegible].55		2384	0.0006	-------	10.0	
13.73		2937	0.0007	-------	10.0	
13.86		1435	0.0004	-------	10.0	
		19532	0.0049			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.36		4322	0.0011	-------	10.0	
15.58		971	0.0002	-------	10.0	
		5293	0.0013			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.83		2740	0.0007	-------	10.0	
15.94		524231	0.1311	-------	10.0	
16.45		2280	0.0006	-------	10.0	
16.75		2130	0.0005	-------	10.0	
16.94		1954	0.0005	-------	10.0	
		533335	0.1333			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
18.34		866	0.0002	-------	10.0	
		866	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		5472	0.0014	-------	10.0	
20.66		13533	0.0034	-------	10.0	
		19005	0.0048			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
24.81		4424	0.0011	-------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
		4424	0.0011			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O23_052A.TXO

Software Version: 4.1<2F12>
Sample Name : 227-14 Time : 10/24/00 07:58 PM
Sample Number: DLTCW102 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: 10/24/00 07:28 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

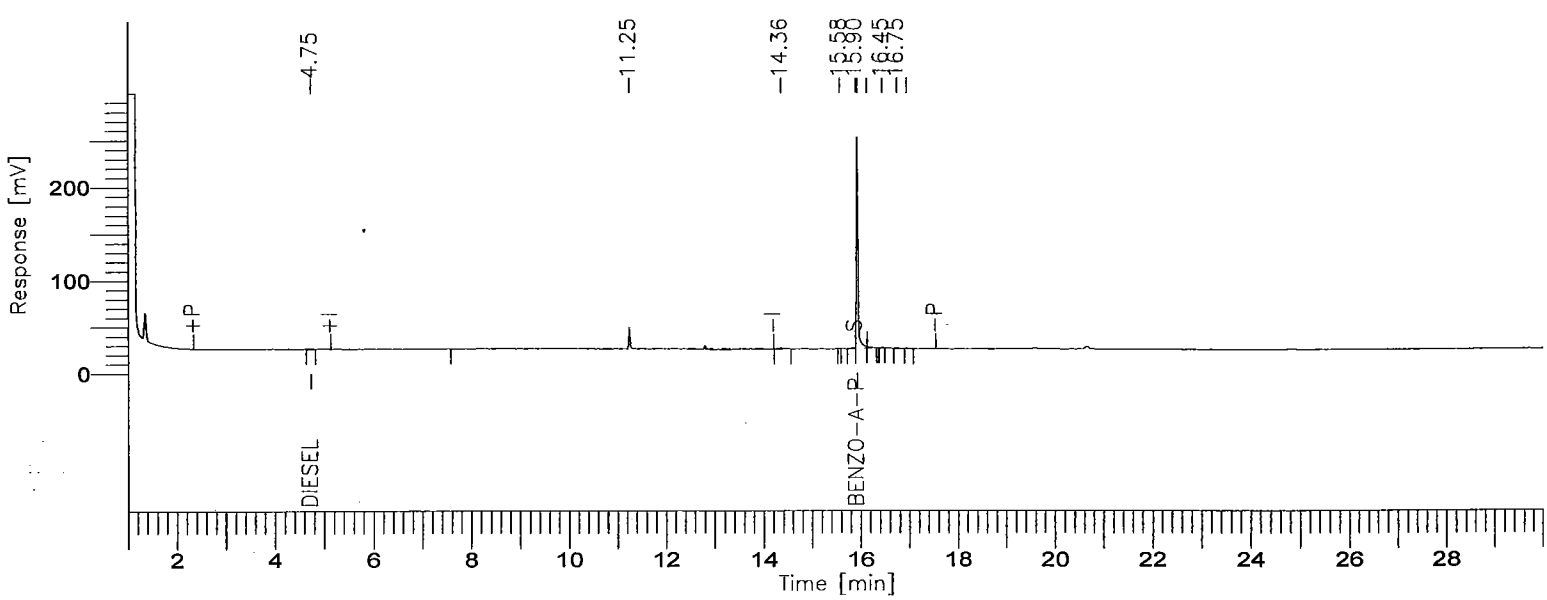
Raw Data File : C:\TC4\DATA_3\O23_052.RAW
Result File : C:\TC4\DATA_3\O23_052.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O23_052.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_3\O23.SEQ

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
4.75	DIESEL	2970	0.0760	-------	10.0	
15.94	BENZO-A-PYRENE	513551	14.4243	115.39	10.0	
		516521	14.5003			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O23_052.TX0

Lot/Sample: E0J090227-019 C-2-109-5 TICs.....: N Report Results: Y
WO#.....: DLTD5-1-02 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: 10/24/00
Inject Time..: 20:07 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O23_053A
Instr ID: G03 Column: RTX-1 ID: .53
Sampling date.....:10/09/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/25 19:07:18
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/10/00
QC Batch.....: 0284524
MS Run Number: 0284312
Prep Time....: 17:00-21:00
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	12.096	96.7712		

Software Version: 4.1<2F12>
Sample Name : 227-19 Time : 10/25/00 03:45 PM
Sample Number: DLTD5102 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: 10/24/00 08:07 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

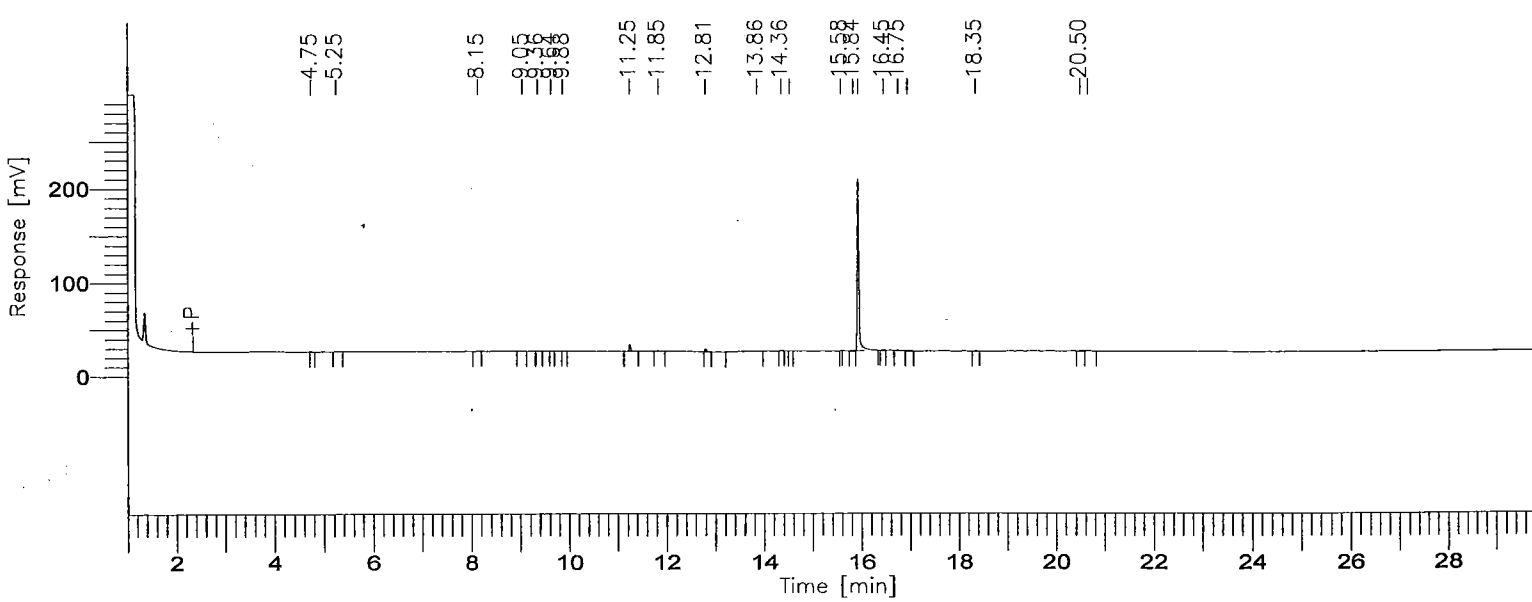
Raw Data File : C:\TC4\DATA_3\O23_053A.RAW
Result File : C:\TC4\DATA_3\O23_053A.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O23_053A.RS
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_3\O23A.SEQ

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: 22



001017

BOE-C6-0150135

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	634	0.0145	-------	10.0	
6.07	C10-C11	1164	0.0248	-------	10.0	
7.77	C12-C13	1376	0.0277	-------	10.0	
9.18	C14-C15	2612	0.0534	-------	10.0	
10.44	C16-C17	538	0.0110	-------	10.0	
11.58	C18-C19	16550	0.3401	-------	10.0	
13.05	C20-C23	19432	0.2046	-------	10.0	
14.78	C24-C27	3112	0.0358	-------	10.0	
16.36	C28-C31	447014	6.1678	-------	10.0	
18.35	C32-C35	651	0.0122	-------	10.0	
21.82	C36-C39	3040	0.0744	-------	10.0	
27.03	C40+	0	0.0000	-------	10.0	
		496122	6.9665			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
4.75		634	0.0002	-------	10.0	
		634	0.0002			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.25		1164	0.0003	-------	10.0	
		1164	0.0003			

Group Report For : C12-C13

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

8.15		1376	0.0003	-------	10.0
		1376	0.0003		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.05		936	0.0002	-------	10.0	
9.36		1050	0.0003	-------	10.0	
9.63		626	0.0002	-------	10.0	
		2612	0.0007			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.88		538	0.0001	-------	10.0	
		538	0.0001			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.25		14747	0.0037	-------	10.0	
11.85		1804	0.0005	-------	10.0	
		16550	0.0041			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.81		6774	0.0017	-------	10.0	
13.86		12658	0.0032	-------	10.0	
		19432	0.0049			

Group Report For : C24-C27

Time	Component	Area	Final Results	% SURR	REP. LIMIT	FN

[min]	Name	[µV·s]	(ppm)	REC	mg/kg
[illegible].36		2370	0.0006	-------	10.0
[illegible].53		741	0.0002	-------	10.0
		3112	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		2193	0.0005	-------	10.0	
15.94		438894	0.1097	-------	10.0	
16.45		1967	0.0005	-------	10.0	
16.75		2241	0.0006	-------	10.0	
16.95		1719	0.0004	-------	10.0	
		447014	0.1118			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
18.35		651	0.0002	-------	10.0	
		651	0.0002			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
20.50		908	0.0002	-------	10.0	
20.66		2132	0.0005	-------	10.0	
		3040	0.0008			

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\O23_053A.TXO

Software Version: 4.1<2F12>
Sample Name : 227-19 Time : 10/24/00 08:37 PM
Sample Number: DLTD5102 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: 10/24/00 08:07 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

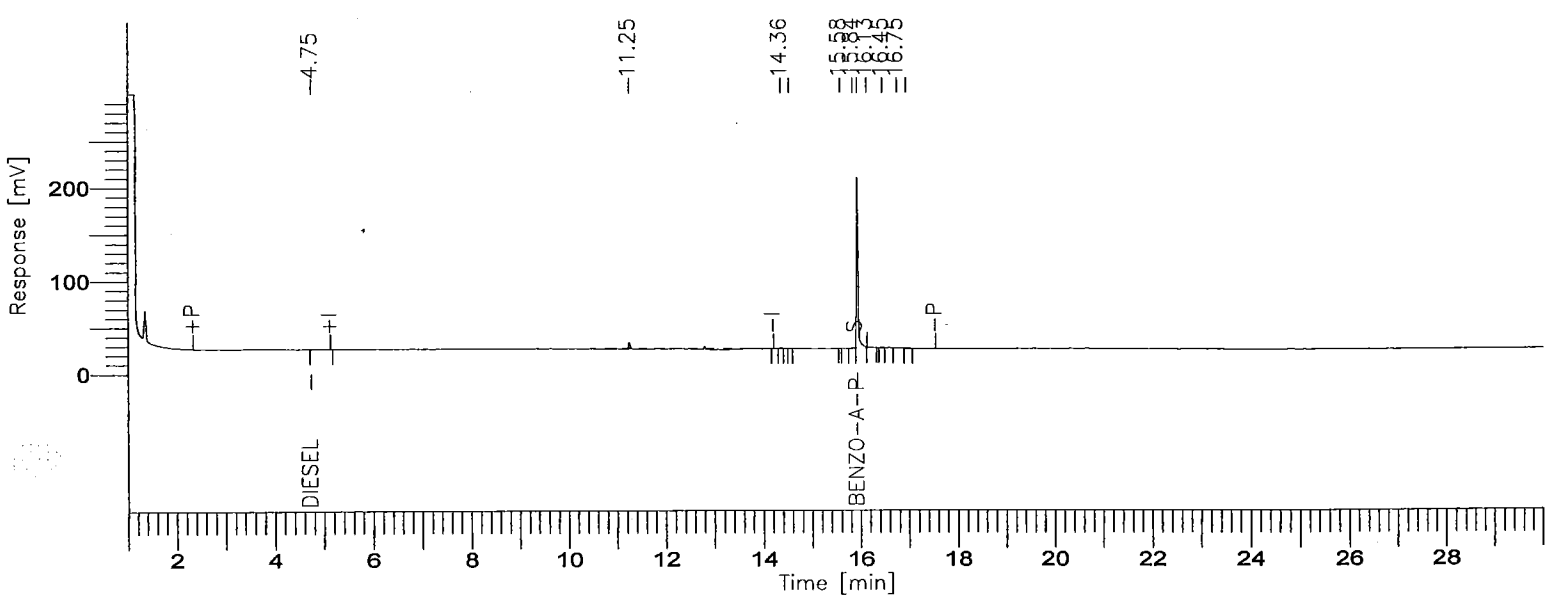
Raw Data File : C:\TC4\DATA_3\O23_053.RAW
Result File : C:\TC4\DATA_3\O23_053.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O23_053.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_3\O23.SEQ

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



001022

8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
4.75	DIESEL	1864	0.0477	-------	10.0	
15.94	BENZO-A-PYRENE	430669	12.0964	96.77	10.0	
		432533	12.1441			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O23_053.TX0

Lot/Sample: E0J090227-021 C-2-110-1 TICs.....: N Report Results: Y
WO#.....: DLTD7-1-02 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: 10/24/00
Inject Time..: 20:46 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: 023_054A
Instr ID: G03 Column: RTX-1 ID: .53
Sampling date.....:10/09/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/25 19:07:32
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/10/00
QC Batch.....: 0284524
MS Run Number: 0284312
Prep Time....: 17:00-21:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1562-1SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05120	C8-C9			ND	10	5		
05121	C10-C11			ND	10	5		
05122	C12-C13			ND	10	5		
05123	C14-C15			ND	10	5		
05124	C16-C17			ND	10	5		
05125	C18-C19			ND	10	5		
05201	C20-C23			ND	10	5		
05202	C24-C27			ND	10	5		
05203	C28-C31			ND	10	5		
05204	C32-C35			ND	10	5		
05205	C36-C39			ND	10	5		
05132	C40+			ND	10	5		
05136	Total Carbon Chain Rang			5.9747	10	5	J	J

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	13.425	107.4032		

Notes:

J Estimated result. Result is less than RL.

(Continued on next page)

Lot/Sample: E0J090227-021 C-2-110-1 TICs.....: N Report Results: Y
WO#.....: DLTD7-1-02 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Notes:

Software Version: 4.1<2F12>
Sample Name : 227-21 Time : 10/25/00 03:45 PM
Sample Number: DLTD7102 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: 10/24/00 08:46 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

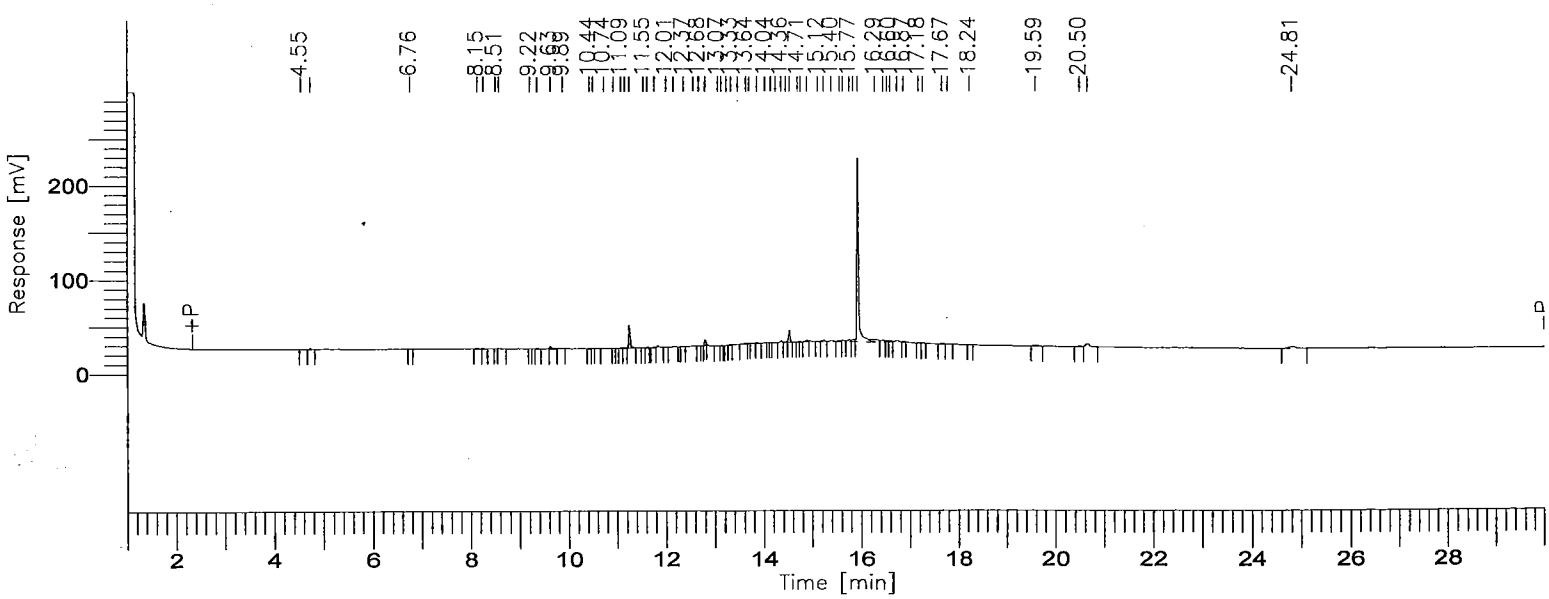
Raw Data File : C:\TC4\DATA_3\O23_054A.RAW
Result File : C:\TC4\DATA_3\O23_054A.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O23_054A.RS
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_3\O23A.SEQ

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: 67



001026

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	2790	0.0638	-------	10.0	
6.07	C10-C11	542	0.0116	-------	10.0	
7.77	C12-C13	3014	0.0606	-------	10.0	
9.18	C14-C15	6707	0.1372	-------	10.0	
10.44	C16-C17	3857	0.0792	-------	10.0	
11.58	C18-C19	61658	1.2671	-------	10.0	
13.05	C20-C23	39027	0.4110	-------	10.0	
14.78	C24-C27	78171	0.9003	-------	10.0	
16.36	C28-C31	577960	7.9746	-------	10.0	
18.35	C32-C35	9747	0.1829	-------	10.0	
21.82	C36-C39	24738	0.6056	-------	10.0	
27.03	C40+	14874	0.8762	-------	10.0	
		823085	12.5700			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
4.55		633	0.0002	-------	10.0	
4.75		2157	0.0005	-------	10.0	
		2790	0.0007			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
6.76		542	0.0001	-------	10.0	
		542	0.0001			

Group Report For : C12-C13

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

8.15		1952	0.0005	-------	10.0
[illegible] 27		710	0.0002	-------	10.0
[illegible].51		351	0.0001	-------	10.0
		3014	0.0008		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.58		405	0.0001	-------	10.0	
9.21		461	0.0001	-------	10.0	
9.36		1260	0.0003	-------	10.0	
9.63		4581	0.0011	-------	10.0	
		6707	0.0017			

Group Report For : C16-C17

Time [illegible]n]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.88		1108	0.0003	-------	10.0	
10.44		768	0.0002	-------	10.0	
10.51		701	0.0002	-------	10.0	
10.74		991	0.0002	-------	10.0	
10.93		289	0.0001	-------	10.0	
		3857	0.0010			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.09		1204	0.0003	-------	10.0	
11.17		1674	0.0004	-------	10.0	
11.25		53434	0.0134	-------	10.0	
11.55		1296	0.0003	-------	10.0	
11.63		1958	0.0005	-------	10.0	
11.78		1412	0.0004	-------	10.0	
[illegible] 01		680	0.0002	-------	10.0	
		61658	0.0154			

Group Report For : C20-C23

001028

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.16		3672	0.0009	-------	10.0	
12.37		1532	0.0004	-------	10.0	
12.57		4222	0.0011	-------	10.0	
12.68		1788	0.0004	-------	10.0	
12.81		11826	0.0030	-------	10.0	
13.07		1728	0.0004	-------	10.0	
13.14		1051	0.0003	-------	10.0	
13.24		723	0.0002	-------	10.0	
13.33		2676	0.0007	-------	10.0	
13.47		3842	0.0010	-------	10.0	
13.64		3270	0.0008	-------	10.0	
13.70		800	0.0002	-------	10.0	
13.86		1896	0.0005	-------	10.0	
		39027	0.0098			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.04		2173	0.0005	-------	10.0	
14.15		721	0.0002	-------	10.0	
14.25		2382	0.0006	-------	10.0	
14.36		5473	0.0014	-------	10.0	
14.46		4188	0.0010	-------	10.0	
14.53		27507	0.0069	-------	10.0	
14.70		2158	0.0005	-------	10.0	
14.76		1154	0.0003	-------	10.0	
14.90		5416	0.0014	-------	10.0	
15.12		2504	0.0006	-------	10.0	
15.24		7903	0.0020	-------	10.0	
15.40		8982	0.0022	-------	10.0	
15.57		7611	0.0019	-------	10.0	
		78171	0.0195			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.63		6464	0.0016	-------	10.0	
15.77		10935	0.0027	-------	10.0	
15.84		10667	0.0027	-------	10.0	
15.94		491121	0.1228	-------	10.0	
16.29		25397	0.0063	-------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.45		11261	0.0028	-------	10.0	
16.54		4708	0.0012	-------	10.0	
16.60		5689	0.0014	-------	10.0	
16.75		9998	0.0025	-------	10.0	
16.87		1718	0.0004	-------	10.0	
		577960	0.1445			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.18		1408	0.0004	-------	10.0	
17.27		2704	0.0007	-------	10.0	
17.67		2749	0.0007	-------	10.0	
17.78		1106	0.0003	-------	10.0	
18.24		1780	0.0004	-------	10.0	
		9747	0.0024			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
19.59		5994	0.0015	-------	10.0	
20.50		2591	0.0006	-------	10.0	
20.65		16153	0.0040	-------	10.0	
		24738	0.0062			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
24.81		14874	0.0037	-------	10.0	
		14874	0.0037			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found.

==========

STL - LOS ANGELES

==========

Report stored in ASCII file: C:\TC4\DATA_3\O23_054A.TXO

Software Version: 4.1<2F12>
Sample Name : 227-21 Time : 10/24/00 09:16 PM
Sample Number: DLTD7102 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: 10/24/00 08:46 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

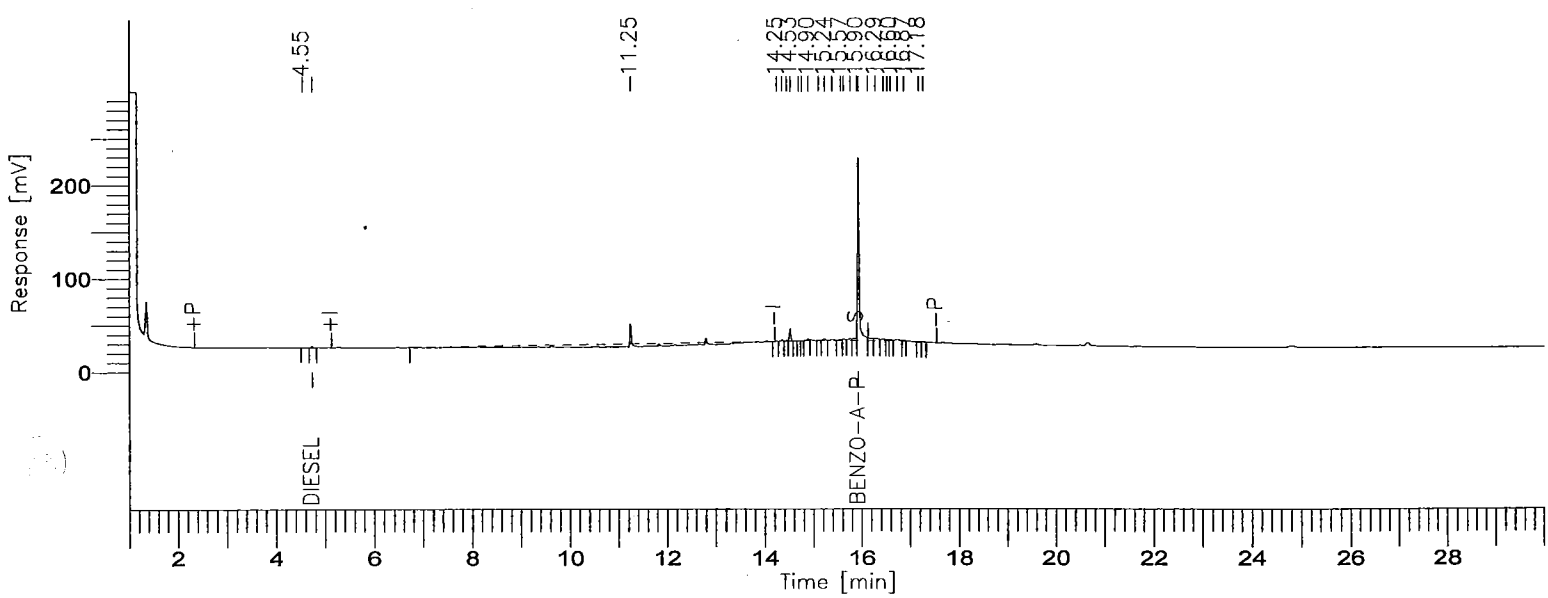
Raw Data File : C:\TC4\DATA_3\O23_054.RAW
Result File : C:\TC4\DATA_3\O23_054.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O23_054.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_3\O23.SEQ

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

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 27



8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
4.75	DIESEL	2157	0.0552	-------	10.0	
15.94	BENZO-A-PYRENE	477989	13.4254	107.40	10.0	
		480146	13.4807			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O23_054.TX0

Lot/Sample: E0J090227-022 C-2-110-5 TICs.....: N Report Results: Y
WO#.....: DLTD9-1-02 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: 10/24/00
Inject Time..: 21:25 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O23_055A
Instr ID: G03 Column: RTX-1 ID: .53
Sampling date.....:10/09/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/25 19:07:40
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/10/00
QC Batch.....: 0284524
MS Run Number: 0284312
Prep Time....: 17:00-21:00
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	12.062	96.4984		

Software Version: 4.1<2F12>
Sample Name : 227-22 Time : 10/25/00 03:45 PM
Sample Number: DLTD9102 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: 10/24/00 09:25 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

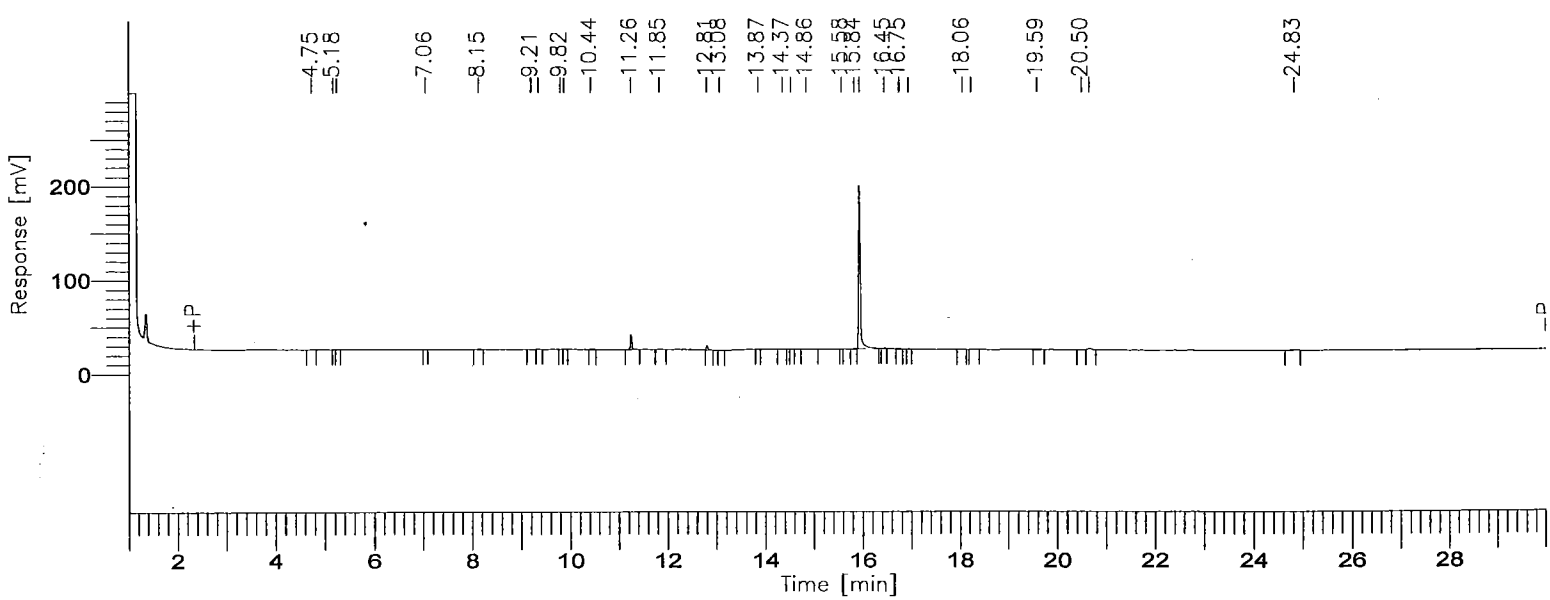
Raw Data File : C:\TC4\DATA_3\O23_055A.RAW
Result File : C:\TC4\DATA_3\O23_055A.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O23_055A.RS
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_3\O23A.SEQ

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



001035

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	1307	0.0299	-------	10.0	
6.07	C10-C11	1022	0.0218	-------	10.0	
7.77	C12-C13	2187	0.0440	-------	10.0	
9.18	C14-C15	2049	0.0419	-------	10.0	
10.44	C16-C17	1032	0.0212	-------	10.0	
11.58	C18-C19	35153	0.7224	-------	10.0	
13.05	C20-C23	12071	0.1271	-------	10.0	
14.78	C24-C27	4546	0.0524	-------	10.0	
16.36	C28-C31	444784	6.1370	-------	10.0	
18.35	C32-C35	2204	0.0414	-------	10.0	
21.82	C36-C39	9130	0.2235	-------	10.0	
27.03	C40+	4040	0.2380	-------	10.0	
		519526	7.7005			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
4.75		1307	0.0003	-------	10.0	
		1307	0.0003			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.18		567	0.0001	-------	10.0	
5.25		455	0.0001	-------	10.0	
		1022	0.0003			

Group Report For : C12-C13

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

001038

7.06		650	0.0002	-------	10.0
[illegible] 15		1537	0.0004	-------	10.0
		2187	0.0005		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.21		530	0.0001	-------	10.0	
9.36		1154	0.0003	-------	10.0	
9.81		365	0.0001	-------	10.0	
		2049	0.0005			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
89		440	0.0001	-------	10.0	
10.44		593	0.0001	-------	10.0	
		1032	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		33137	0.0083	-------	10.0	
11.85		2016	0.0005	-------	10.0	
		35153	0.0088			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
[illegible] 81		10590	0.0026	-------	10.0	
13.08		1110	0.0003	-------	10.0	
13.87		371	0.0001	-------	10.0	
		12071	0.0030			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.37		2598	0.0006	-------	10.0	
14.53		674	0.0002	-------	10.0	
14.86		1274	0.0003	-------	10.0	
		4546	0.0011			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.84		2168	0.0005	-------	10.0	
15.94		437350	0.1093	-------	10.0	
16.45		2023	0.0005	-------	10.0	
16.75		2089	0.0005	-------	10.0	
16.95		1155	0.0003	-------	10.0	
		444784	0.1112			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
18.06		1210	0.0003	-------	10.0	
18.23		994	0.0002	-------	10.0	
		2204	0.0006			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
19.59		2139	0.0005	-------	10.0	
20.50		1581	0.0004	-------	10.0	
20.66		5409	0.0014	-------	10.0	
		9130	0.0023			

Group Report For : C40+

Time	Component	Area	Final Results	% SURR	REP. LIMIT	FN

[min]	Name	[µV·s]	(ppm)	REC	mg/kg
24.83		4040	0.0010	-------	10.0
		4040	0.0010		

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O23_055A.TXO

Software Version: 4.1<2F12>
Sample Name : 227-22 Time : 10/24/00 09:54 PM
Sample Number: DLTD9102 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: 10/24/00 09:25 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

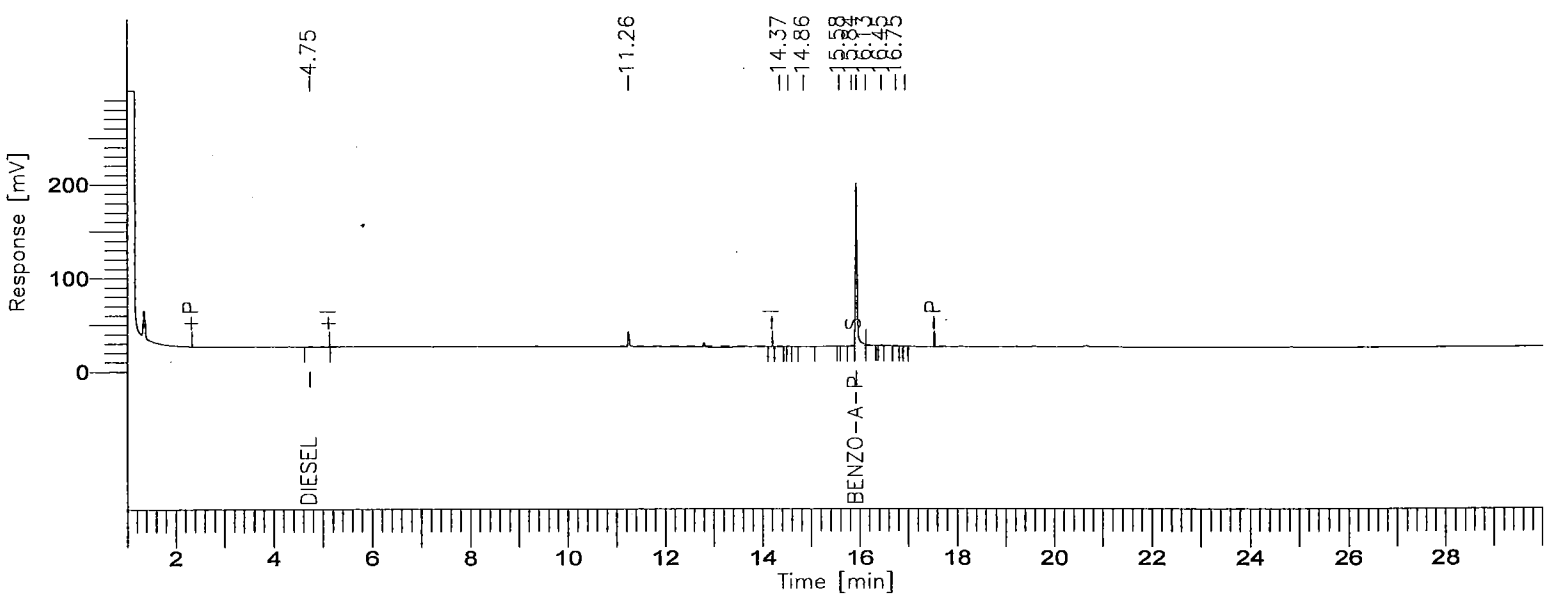
Raw Data File : C:\TC4\DATA_3\O23_055.RAW
Result File : C:\TC4\DATA_3\O23_055.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O23_055.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_3\O23.SEQ

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
4.75	DIESEL	2706	0.0692	-------	10.0	
15.94	BENZO-A-PYRENE	429457	12.0623	96.50	10.0	
		432162	12.1316			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O23_055.TX0

Lot/Sample: E0J090227-023 C-2-111-5 TICs.....: N Report Results: Y
WO#.....: DLTDC-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: 10/24/00
Inject Time..: 23:22 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: 023_058A
Instr ID: G03 Column: RTX-1 ID: .53
Sampling date.....:10/09/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/25 19:06:48
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/10/00
QC Batch.....: 0284524
MS Run Number: 0284312
Prep Time....: 17:00-21:00
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	11.773	94.1888		

Software Version: 4.1<2F12>
Sample Name : 227-23 Time : 10/25/00 03:45 PM
Sample Number: DLTDC102 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: 10/24/00 11:22 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

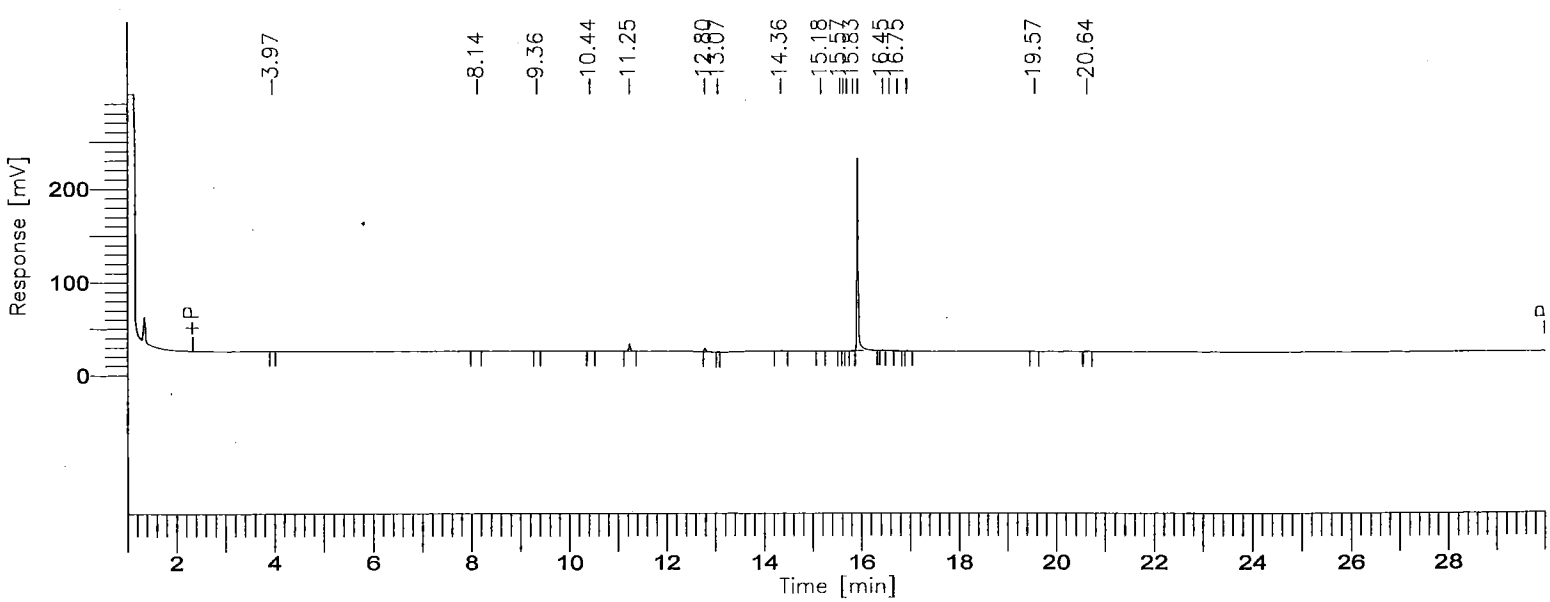
Raw Data File : C:\TC4\DATA_3\O23_058A.RAW
Result File : C:\TC4\DATA_3\O23_058A.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O23_058A.RS
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_3\O23A.SEQ

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

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 20



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	474	0.0108	-------	10.0	
6.07	C10-C11	0	0.0000	-------	10.0	
7.77	C12-C13	1498	0.0301	-------	10.0	
9.18	C14-C15	1173	0.0240	-------	10.0	
10.44	C16-C17	690	0.0142	-------	10.0	
11.58	C18-C19	15828	0.3253	-------	10.0	
13.05	C20-C23	8890	0.0936	-------	10.0	
14.78	C24-C27	4852	0.0559	-------	10.0	
16.36	C28-C31	440347	6.0758	-------	10.0	
18.35	C32-C35	0	0.0000	-------	10.0	
21.82	C36-C39	3538	0.0866	-------	10.0	
27.03	C40+	0	0.0000	-------	10.0	
		477291	6.7163			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.97		474	0.0001	-------	10.0	
		474	0.0001			

Group Report For : C10-C11

No peaks available to report

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.14		1498	0.0004	-------	10.0	
		1498	0.0004			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.36		1173	0.0003	-------	10.0	
		1173	0.0003			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.44		690	0.0002	-------	10.0	
		690	0.0002			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
[illegible].25		15828	0.0040	-------	10.0	
		15828	0.0040			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.80		8047	0.0020	-------	10.0	
13.07		843	0.0002	-------	10.0	
		8890	0.0022			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
[illegible].36		3023	0.0008	-------	10.0	
[illegible].18		586	0.0001	-------	10.0	
15.57		1243	0.0003	-------	10.0	
		4852	0.0012			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.63		986	0.0002	-------	10.0	
15.70		358	0.0001	-------	10.0	
15.83		2078	0.0005	-------	10.0	
15.93		430200	0.1076	-------	10.0	
16.45		1842	0.0005	-------	10.0	
16.58		1383	0.0003	-------	10.0	
16.75		2139	0.0005	-------	10.0	
16.94		1362	0.0003	-------	10.0	
		440347	0.1101			

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
19.57		700	0.0002	-------	10.0	
20.64		2838	0.0007	-------	10.0	
		3538	0.0009			

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\O23_058A.TXO

Software Version: 4.1<2F12>
Sample Name : 227-23 Time : 10/24/00 11:52 PM
Sample Number: DLTDC102 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: 10/24/00 11:22 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

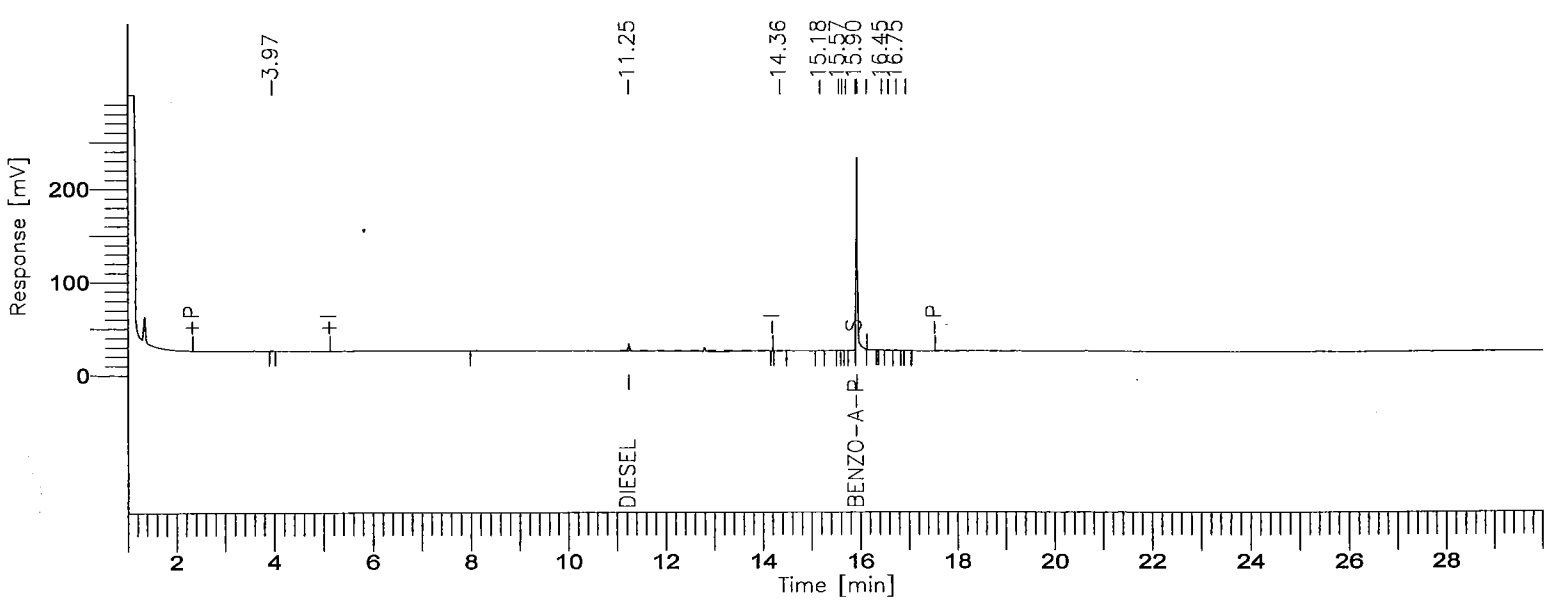
Raw Data File : C:\TC4\DATA_3\O23_058.RAW
Result File : C:\TC4\DATA_3\O23_058.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O23_058.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_3\O23.SEQ

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
11.25	DIESEL	15900	0.4070	-------	10.0	
15.93	BENZO-A-PYRENE	419176	11.7736	94.19	10.0	
		435076	12.1805			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O23_058.TX0

Lot/Sample: E0J090227-025 C-2-112-5 TICs.....: N Report Results: Y
WO#.....: DLTDE-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: 10/25/00
Inject Time..: 0:01 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O23_059A
Instr ID: G03 Column: RTX-1 ID: .53
Sampling date.....:10/09/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/25 19:06:55
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/10/00
QC Batch.....: 0284524
MS Run Number: 0284312
Prep Time....: 17:00-21:00
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	12.298	98.3896		

Software Version: 4.1<2F12>
Sample Name : 227-25 Time : 10/25/00 03:46 PM
Sample Number: DLTDE102 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: 10/25/00 12:01 AM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

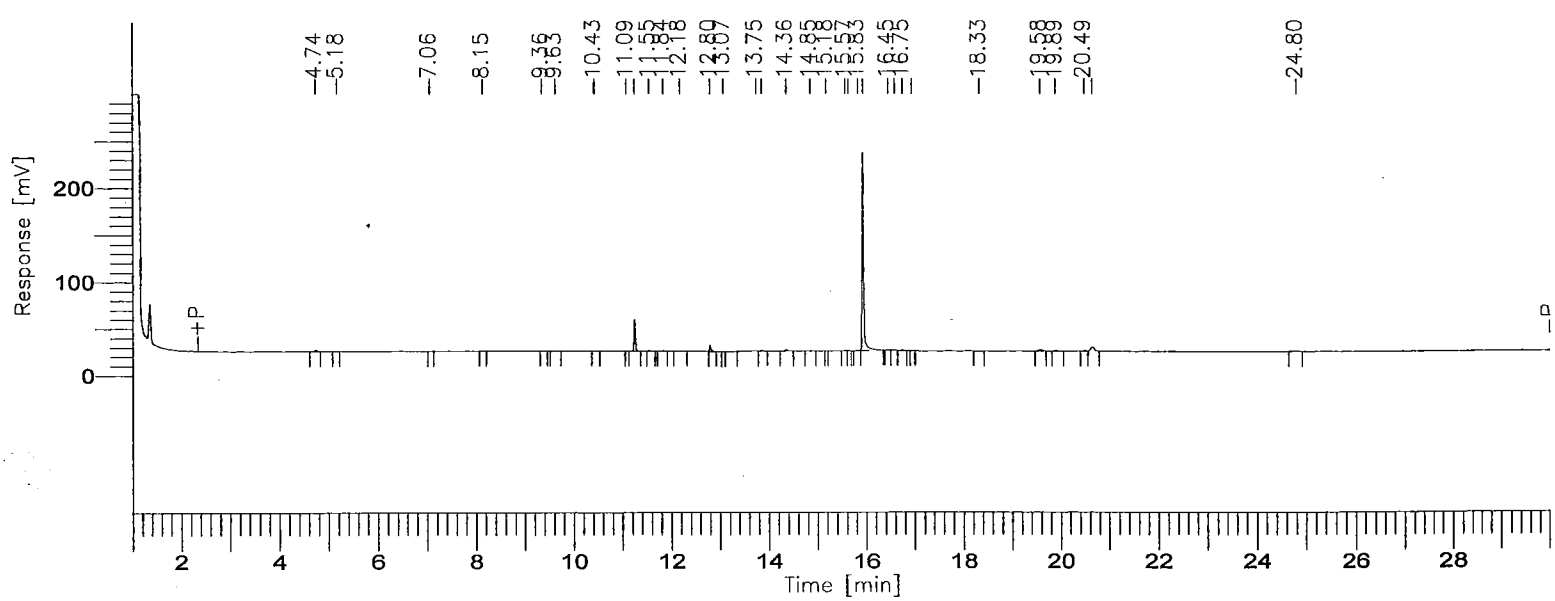
Raw Data File : C:\TC4\DATA_3\O23_059A.RAW
Result File : C:\TC4\DATA_3\O23_059A.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O23_059A.RS
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_3\O23A.SEQ

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: 33



001050

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	3874	0.0886	-------	10.0	
6.07	C10-C11	404	0.0086	-------	10.0	
7.77	C12-C13	1964	0.0395	-------	10.0	
9.18	C14-C15	1760	0.0360	-------	10.0	
10.44	C16-C17	963	0.0198	-------	10.0	
11.58	C18-C19	64706	1.3297	-------	10.0	
13.05	C20-C23	24213	0.2550	-------	10.0	
14.78	C24-C27	6745	0.0777	-------	10.0	
16.36	C28-C31	459520	6.3404	-------	10.0	
18.35	C32-C35	1069	0.0201	-------	10.0	
21.82	C36-C39	34752	0.8507	-------	10.0	
27.03	C40+	4462	0.2629	-------	10.0	
		604431	9.3289			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
4.74		3874	0.0010	-------	10.0	
		3874	0.0010			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.18		404	0.0001	-------	10.0	
		404	0.0001			

Group Report For : C12-C13

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

7.06		410	0.0001	-------	10.0
8.15		1554	0.0004	-------	10.0
		1964	0.0005		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.36		1056	0.0003	-------	10.0	
9.63		704	0.0002	-------	10.0	
		1760	0.0004			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.43		963	0.0002	-------	10.0	
		963	0.0002			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.09		358	0.0001	-------	10.0	
11.25		60603	0.0152	-------	10.0	
11.55		1778	0.0004	-------	10.0	
11.84		1967	0.0005	-------	10.0	
		64706	0.0162			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.18		1048	0.0003	-------	10.0	
1[illegible] 80		12238	0.0031	-------	10.0	
1[illegible].07		738	0.0002	-------	10.0	
13.75		6485	0.0016	-------	10.0	
13.86		3704	0.0009	-------	10.0	
		24213	0.0061			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.36		3789	0.0009	-------	10.0	
14.85		1242	0.0003	-------	10.0	
15.18		464	0.0001	-------	10.0	
15.57		1250	0.0003	-------	10.0	
		6745	0.0017			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.63		1080	0.0003	-------	10.0	
15.83		2236	0.0006	-------	10.0	
15.93		449312	0.1123	-------	10.0	
16.45		2017	0.0005	-------	10.0	
16.58		1539	0.0004	-------	10.0	
16.75		2202	0.0006	-------	10.0	
[illegible].94		1134	0.0003	-------	10.0	
		459520	0.1149			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
18.33		1069	0.0003	-------	10.0	
		1069	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		8248	0.0021	-------	10.0	
19.89		2144	0.0005	-------	10.0	
[illegible].49		1652	0.0004	-------	10.0	
20.65		22708	0.0057	-------	10.0	
		34752	0.0087			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
24.80		4462	0.0011	-------	10.0	
		4462	0.0011			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O23_059A.TXO

Software Version: 4.1<2F12>
Sample Name : 227-25 Time : 10/25/00 12:31 AM
Sample Number: DLTDE102 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: 10/25/00 12:01 AM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

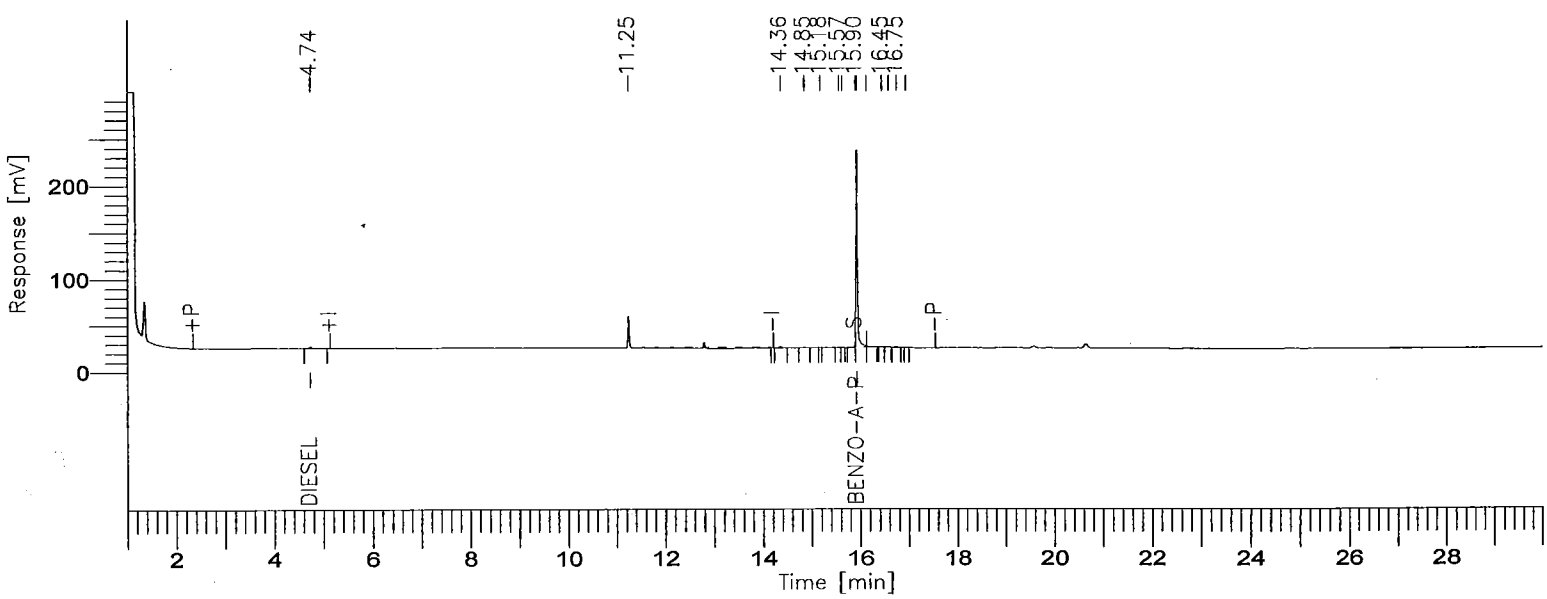
Raw Data File : C:\TC4\DATA_3\O23_059.RAW
Result File : C:\TC4\DATA_3\O23_059.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O23_059.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_3\O23.SEQ

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	5259	0.1346	-------	10.0	
15.93	BENZO-A-PYRENE	437874	12.2987	98.39	10.0	
		443133	12.4333			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O23_059.TX0

Lot/Sample: E0J090227-026 C-2-112-10 TICs.....: N Report Results: Y
WO#.....: DLTDF-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: 10/25/00
Inject Time..: 0:41 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O23_060A
Instr ID: G03 Column: RTX-1 ID: .53
Sampling date.....:10/09/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/25 19:07:09
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/10/00
QC Batch.....: 0284524
MS Run Number: 0284312
Prep Time....: 17:00-21:00
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	11.921	95.3704		

Software Version: 4.1<2F12>
Sample Name : 227-26 Time : 10/25/00 03:46 PM
Sample Number: DLTDF102 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: 10/25/00 12:41 AM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

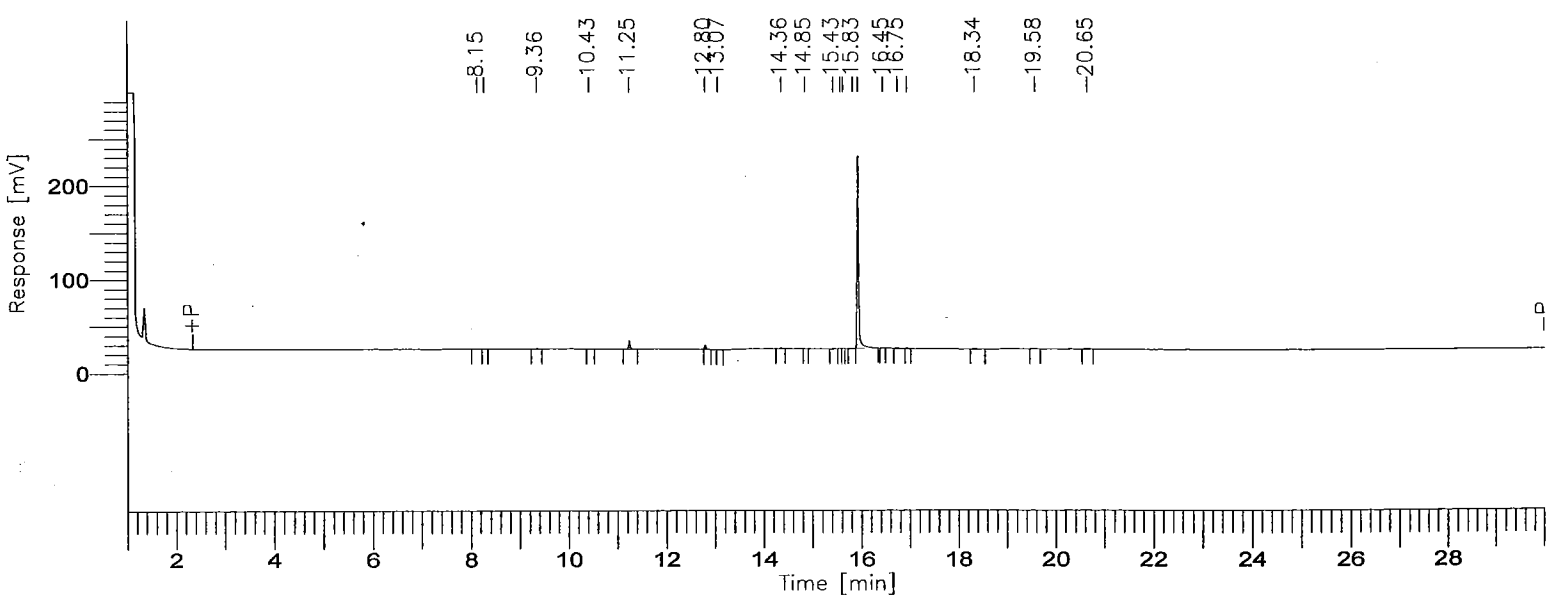
Raw Data File : C:\TC4\DATA_3\O23_060A.RAW
Result File : C:\TC4\DATA_3\O23_060A.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O23_060A.RS
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_3\O23A.SEQ

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

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 20



001058

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	0	0.0000	-------	10.0	
7.77	C12-C13	2146	0.0431	-------	10.0	
9.18	C14-C15	1190	0.0243	-------	10.0	
10.44	C16-C17	647	0.0133	-------	10.0	
11.58	C18-C19	17785	0.3655	-------	10.0	
13.05	C20-C23	9420	0.0992	-------	10.0	
14.78	C24-C27	4837	0.0557	-------	10.0	
16.36	C28-C31	443838	6.1240	-------	10.0	
18.35	C32-C35	1224	0.0230	-------	10.0	
21.82	C36-C39	5690	0.1393	-------	10.0	
27.03	C40+	0	0.0000	-------	10.0	
		486776	6.8874			

Group Report For : C8-C9

No peaks available to report

Group Report For : C10-C11

No peaks available to report

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.15		1774	0.0004	-------	10.0	
.28		371	0.0001	-------	10.0	
		2146	0.0005			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.36		1190	0.0003	-------	10.0	
		1190	0.0003			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.43		647	0.0002	-------	10.0	
		647	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		17785	0.0044	-------	10.0	
		17785	0.0044			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.80		8618	0.0022	-------	10.0	
13.07		802	0.0002	-------	10.0	
		9420	0.0024			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.36		2684	0.0007	-------	10.0	
14.85		336	0.0001	-------	10.0	
15.43		672	0.0002	-------	10.0	
15.57		1144	0.0003	-------	10.0	
		4837	0.0012			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.63		927	0.0002	-------	10.0	
15.83		2122	0.0005	-------	10.0	
15.93		435730	0.1089	-------	10.0	
16.45		1971	0.0005	-------	10.0	
16.75		1978	0.0005	-------	10.0	
16.94		1110	0.0003	-------	10.0	
		443838	0.1110			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
18.34		1224	0.0003	-------	10.0	
		1224	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		1274	0.0003	-------	10.0	
20.65		4417	0.0011	-------	10.0	
		5690	0.0014			

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\O23_060A.TXO

Software Version: 4.1<2F12>
Sample Name : 227-26 Time : 10/25/00 01:10 AM
Sample Number: DLTDF102 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: 10/25/00 12:41 AM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

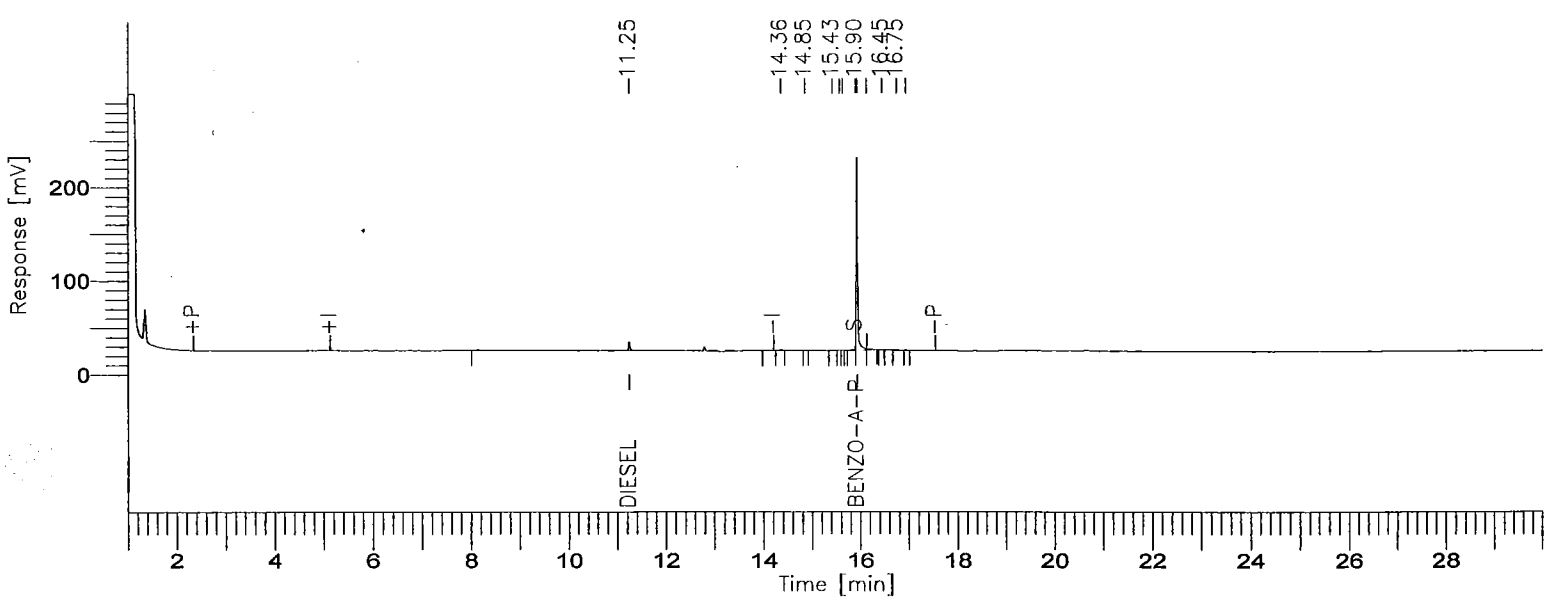
Raw Data File : C:\TC4\DATA_3\O23_060.RAW
Result File : C:\TC4\DATA_3\O23_060.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O23_060.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_3\O23.SEQ

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



001063

BOE-C6-0150181

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	741	0.0190	-------	10.0	
15.93	BENZO-A-PYRENE	424438	11.9213	95.37	10.0	
		425179	11.9403			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O23_060.TX0

INITIAL CALIBRATION DATA

Date Analyzed: 9-27-00

Instrument ID: GC3

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

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

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
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

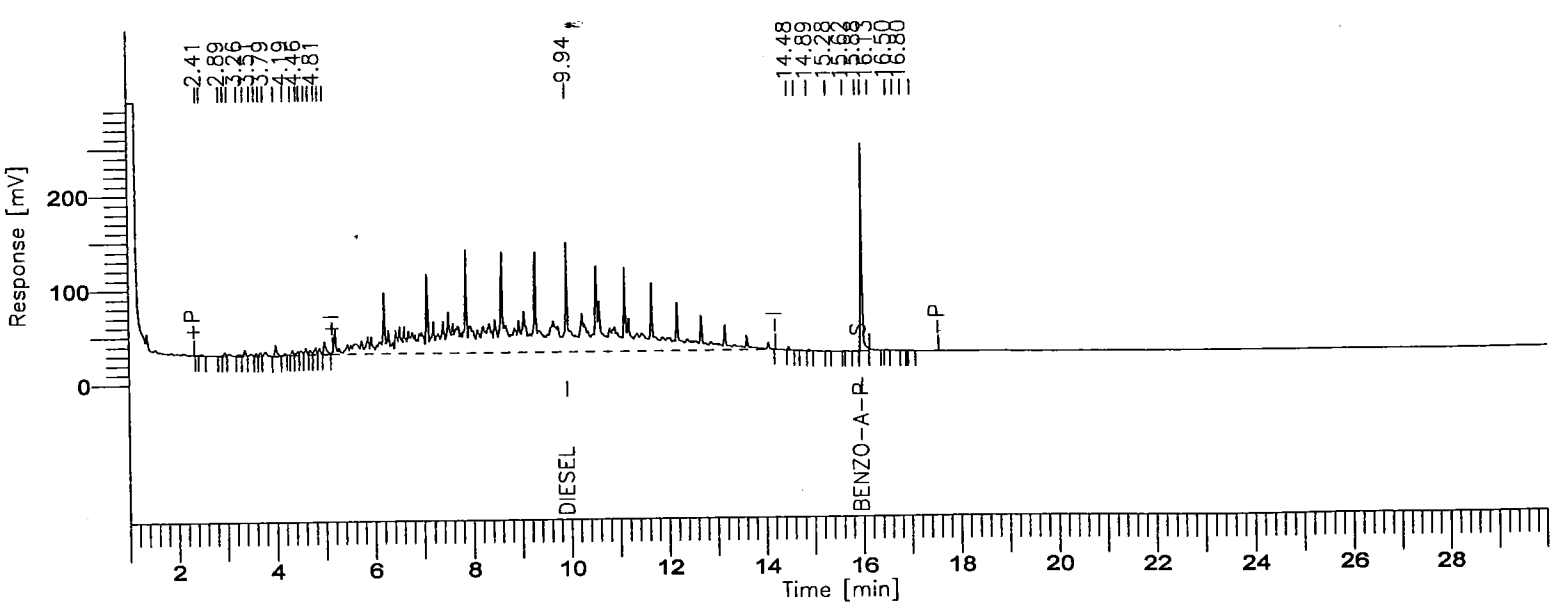
Source: Union 76, Edinger, Sta Ana

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



001068

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	------	----------
.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
Sample Number: 40 PPM
Operator :

Time : 9/27/00 05:43 PM
Study : ICAL 9/~~26~~/00
21 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: 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
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

Noise Threshold: 50
Multiplier : 1.0000

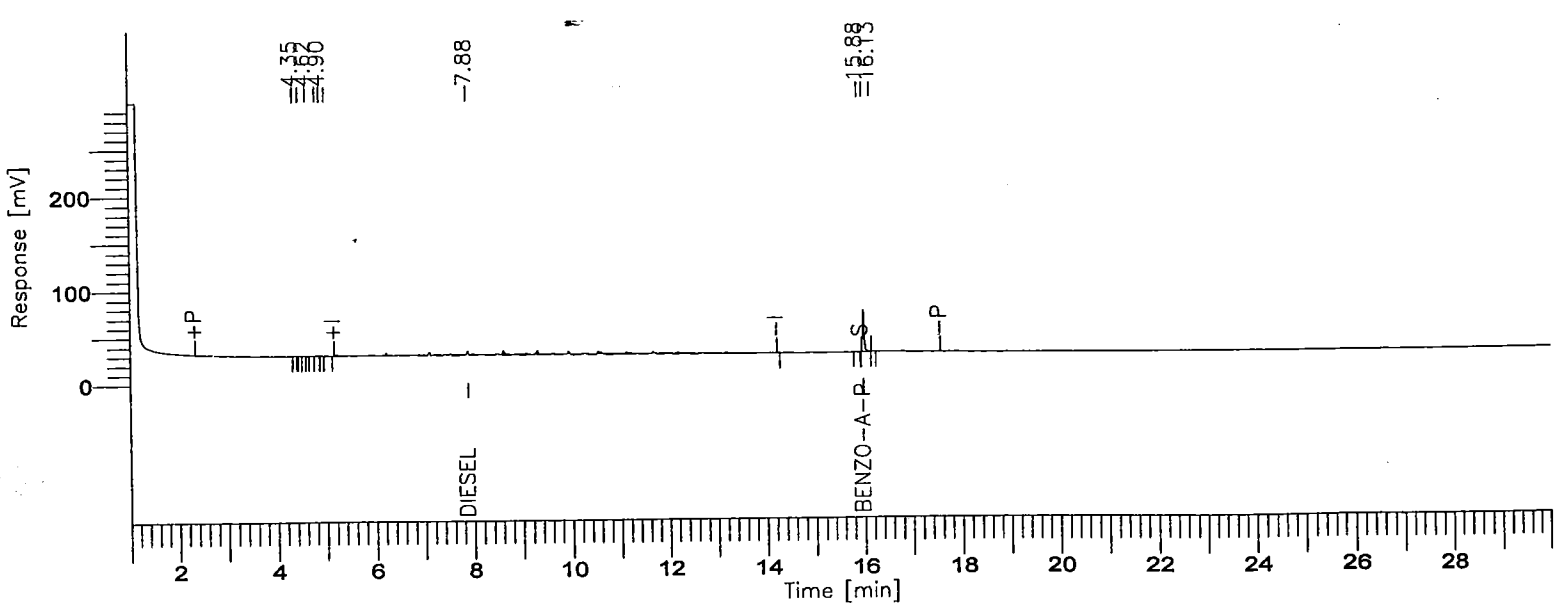
Area Threshold : 200
Divisor : 1.0000

Bunch Factor: 1
Addend : 0.0000

User1 : TPHDA
User2 :
User3 :
User4 :
User5 :

Instrument Conditions:

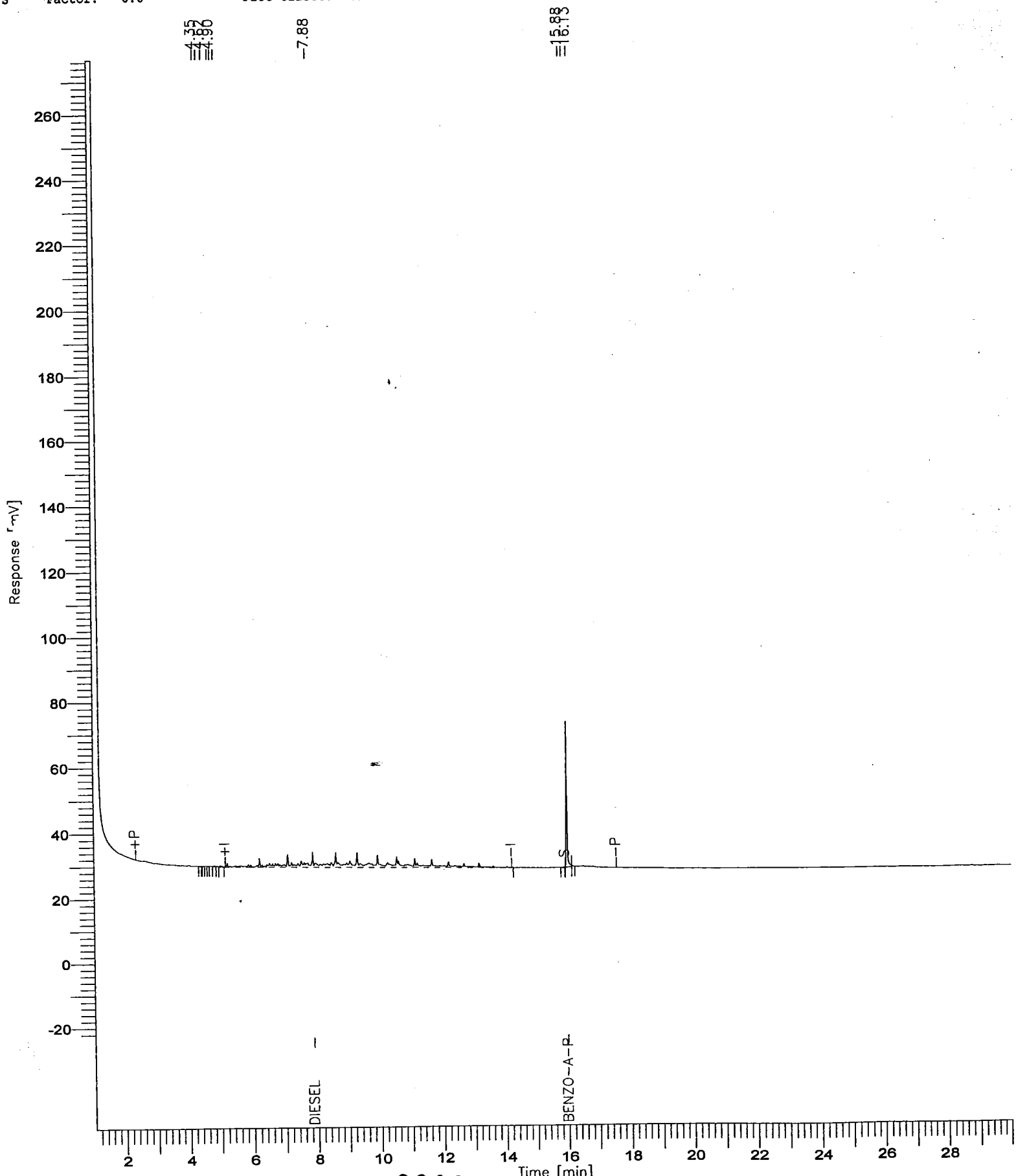
Total number of peaks detected: 10



Chromatogram

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

Sample #: 40 PPM Page 1 of 1
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



001072

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

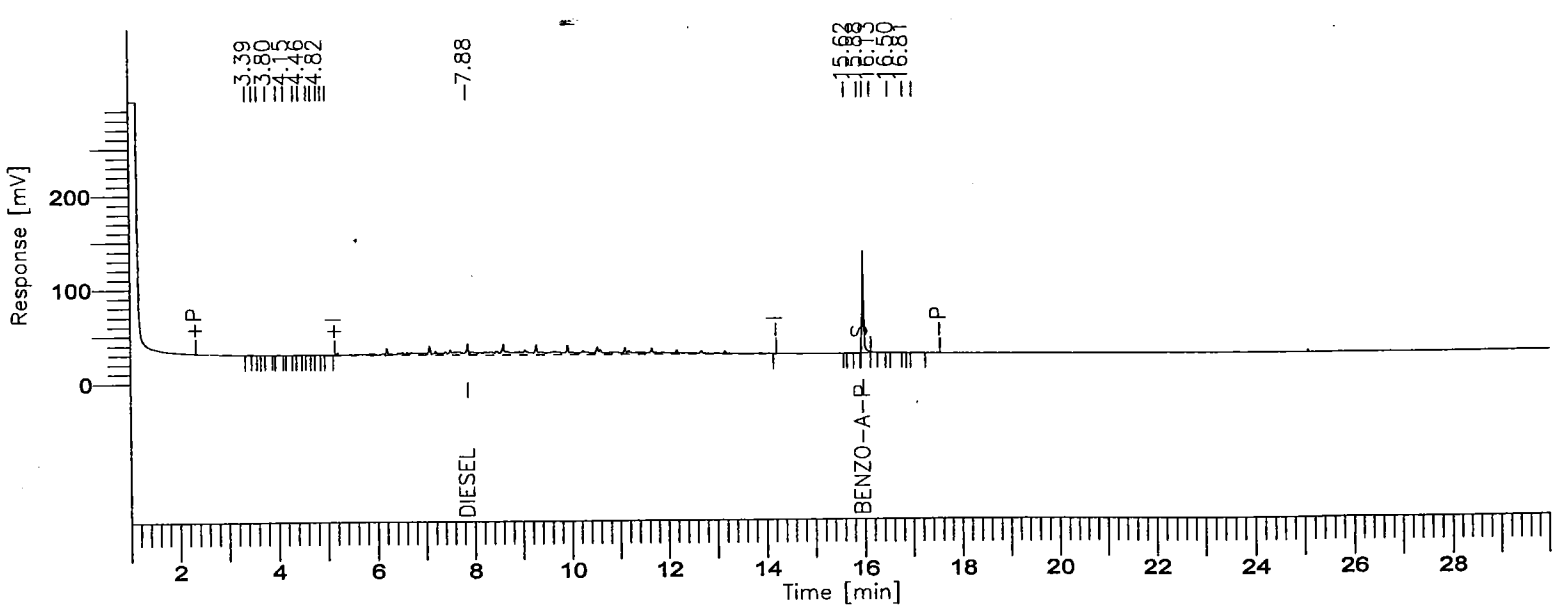
Raw Data File : C:\TC4\DATA_3\927_034.RAW
Result File : C:\TC4\DATA_3\927_034.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\927_034.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_3\927.SEQ

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



001075

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
Sample Number: 1000 PPM
Operator :

Time : 9/27/00 05:43 PM
Study : ICAL 9/~~26~~/00
27 9-27-00 BC

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

Channel : A A/D mV Range : 1000

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
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

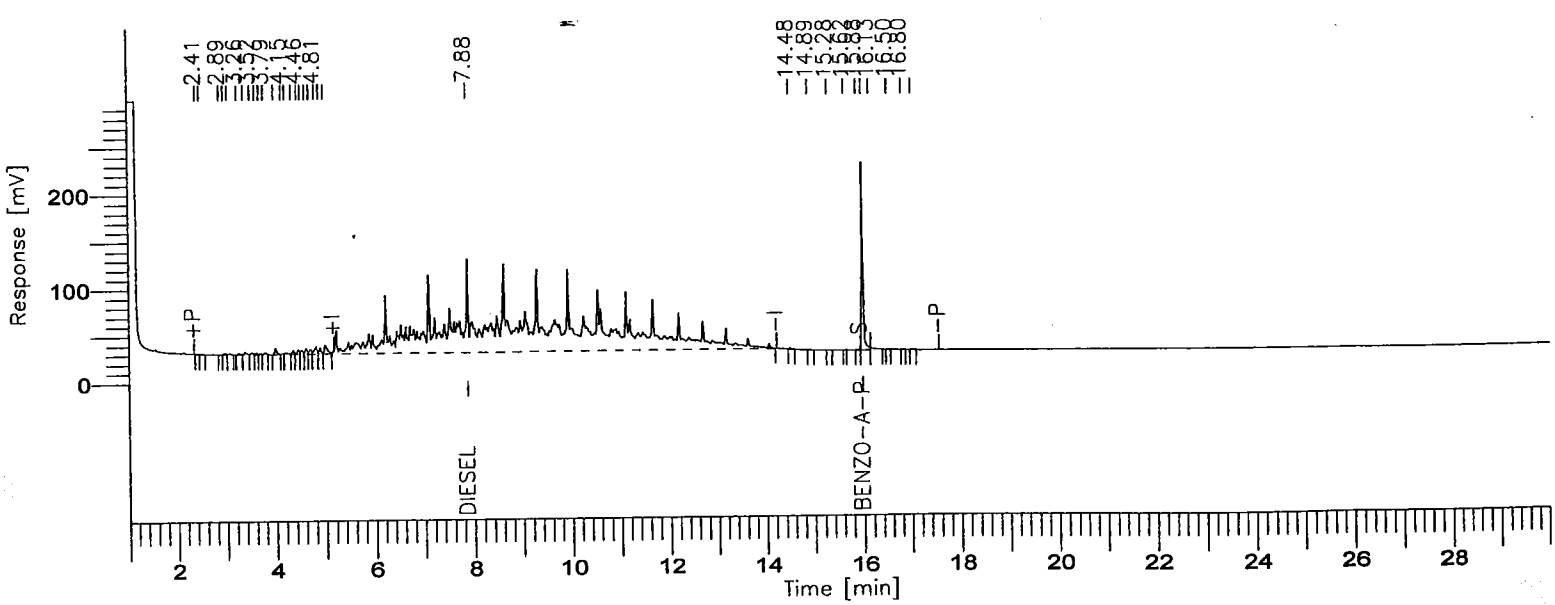
Noise Threshold: 50
Multiplier : 1.0000
User1 : TPHDA
User3 :
User5 :

Area Threshold : 200
Divisor : 1.0000
User2 :
User4 :

Bunch Factor: 1
Addend : 0.0000

Instrument Conditions:

Total number of peaks detected: 33



001078

BOE-C6-0150196

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
Sample Number: 2000 PPM
Operator :

Time : 9/27/00 05:43 PM
Study : ICAL 9/~~26~~/00
27 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: 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

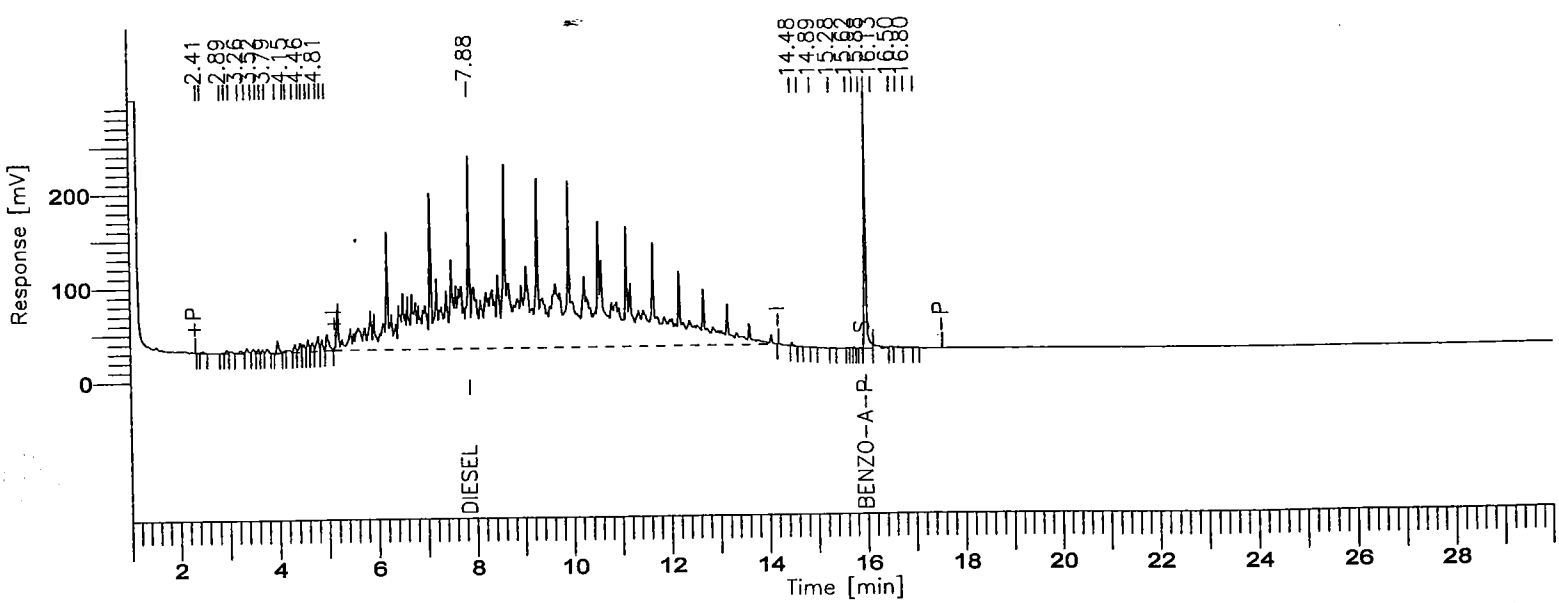
Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
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



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	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
Sample Number: 5000 PPM
Operator :

Time : 9/27/00 05:48 PM
Study : ICAL 9/~~26~~/00
27 9-27-00 BK

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

Channel : A A/D mV Range : 1000

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
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

Noise Threshold: 50
Multiplier : 1.0000
User1 : TPHDA
User3 :
User5 :

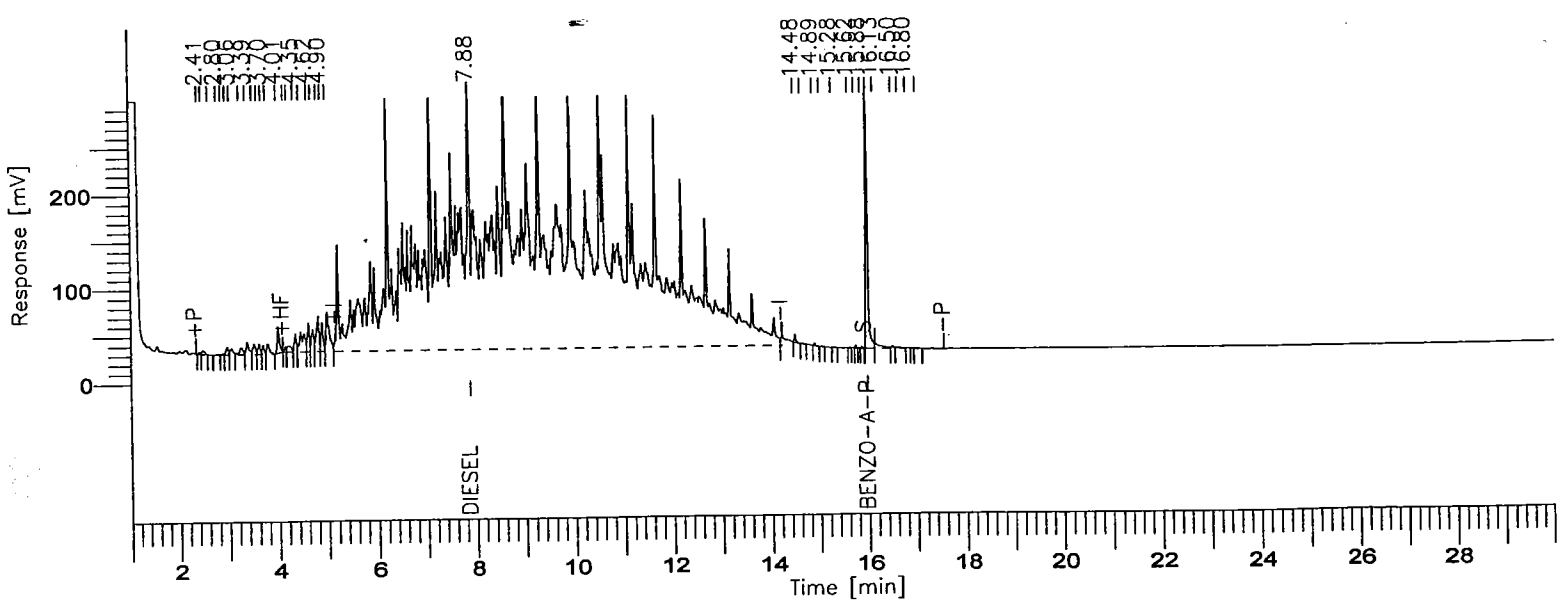
Area Threshold : 200
Divisor : 1.0000

Bunch Factor: 1
Addend : 0.0000

User2 :
User4 :

Instrument Conditions:

Total number of peaks detected: 38



001084

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
Sample Number: C8-C40
Operator :

Time : 9/27/00 01:23 PM
Study : ICAL 9/~~26~~/00
27 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: 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
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

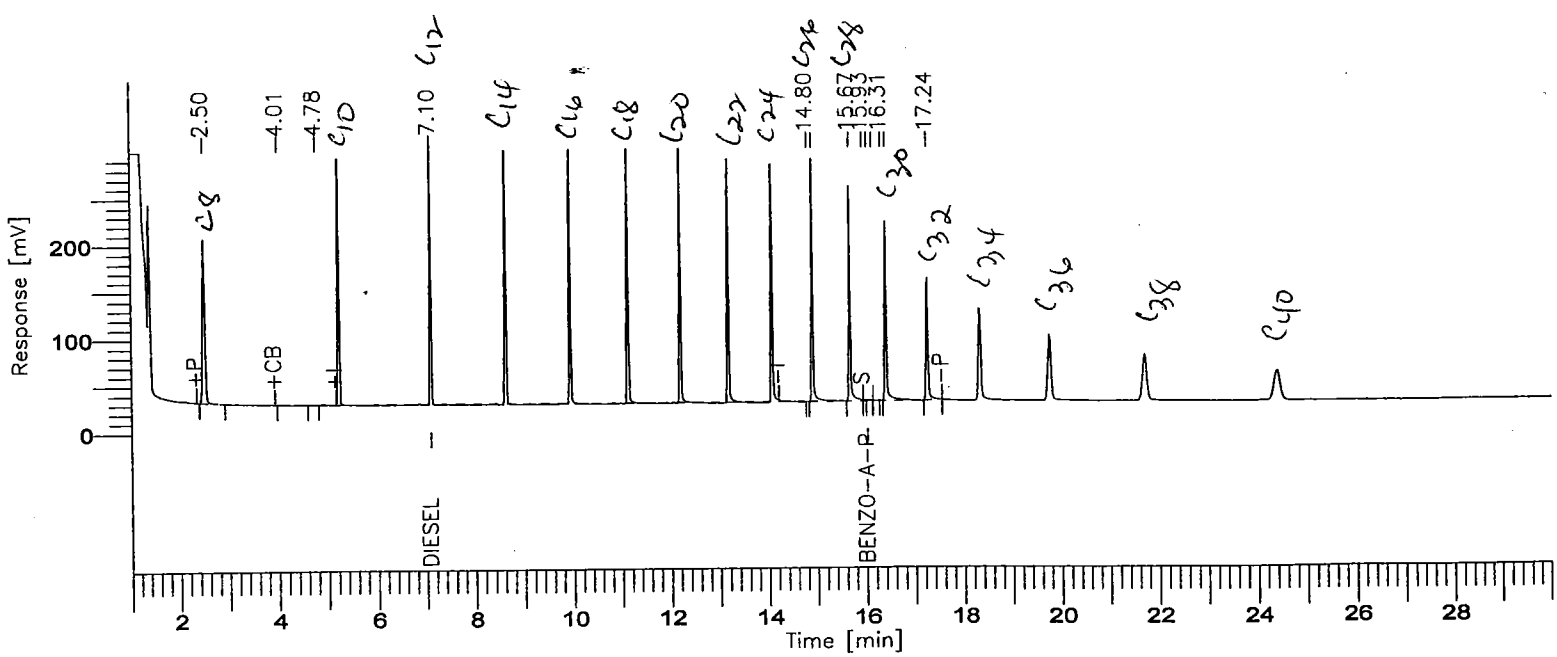
Noise Threshold: 50
Multiplier : 1.0000
User1 : TPHDA
User3 :
User5 :

Area Threshold : 200
Divisor : 1.0000
User2 :
User4 :

Bunch Factor: 1
Addend : 0.0000

Instrument Conditions:

Total number of peaks detected: 13



001086

BOE-C6-0150204

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
18	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
19	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
53	Sample	251-08	DKPE3103	ICAL 9/26/	1.000	1.000	1.000	1.000	5.000	882.000	0.000	100.000
54	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
C[illegible]27	14.784	10.00000	237875.000000	23787.500000	0.00	5	------	------	1	0
C[illegible]31	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
C[illegible]C39	0.000000	15488.629116	----------	----------	--------	9
	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
Sample Number: 10 PPM
Operator :

Time : 10/3/00 09:26 AM
Study : ICAL 9/30/00

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

Channel : A A/D mV Range : 1000

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
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

Noise Threshold: 50
Multiplier : 1.0000

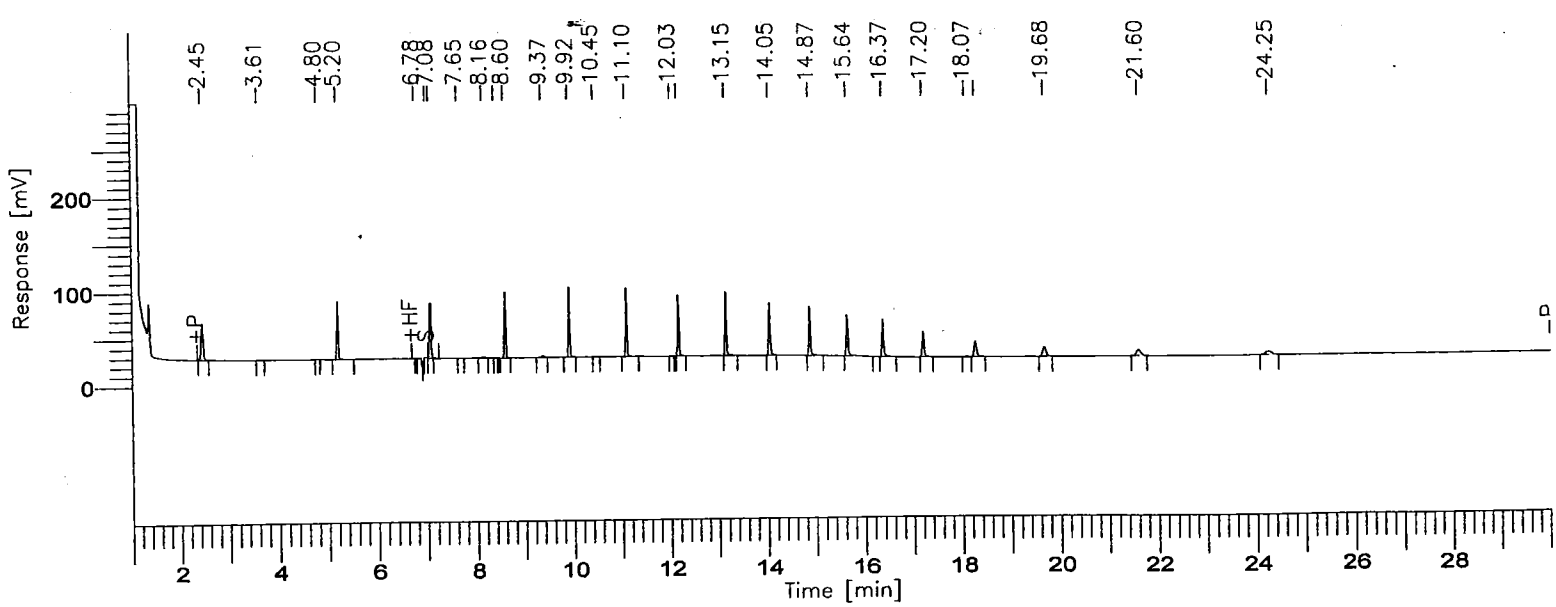
Area Threshold : 200
Divisor : 1.0000

Bunch Factor: 1
Addend : 0.0000

User1 : TPHDA
User2 :
User3 :
User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 28



001098

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	
7.00		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
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
Data 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
C20-C23	13.051	20.00000	490506.500000	24525.325000	0.00	5	------	------	1	0
C24-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
C32-C35	0.000000	18545.759167	----------	----------	--------	9
C36-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
Sample Number: 20 PPM
Operator :

Time : 10/3/00 09:26 AM
Study : ICAL 9/30/00

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

Channel : A A/D mV Range : 1000

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
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

Noise Threshold: 50
Multiplier : 1.0000

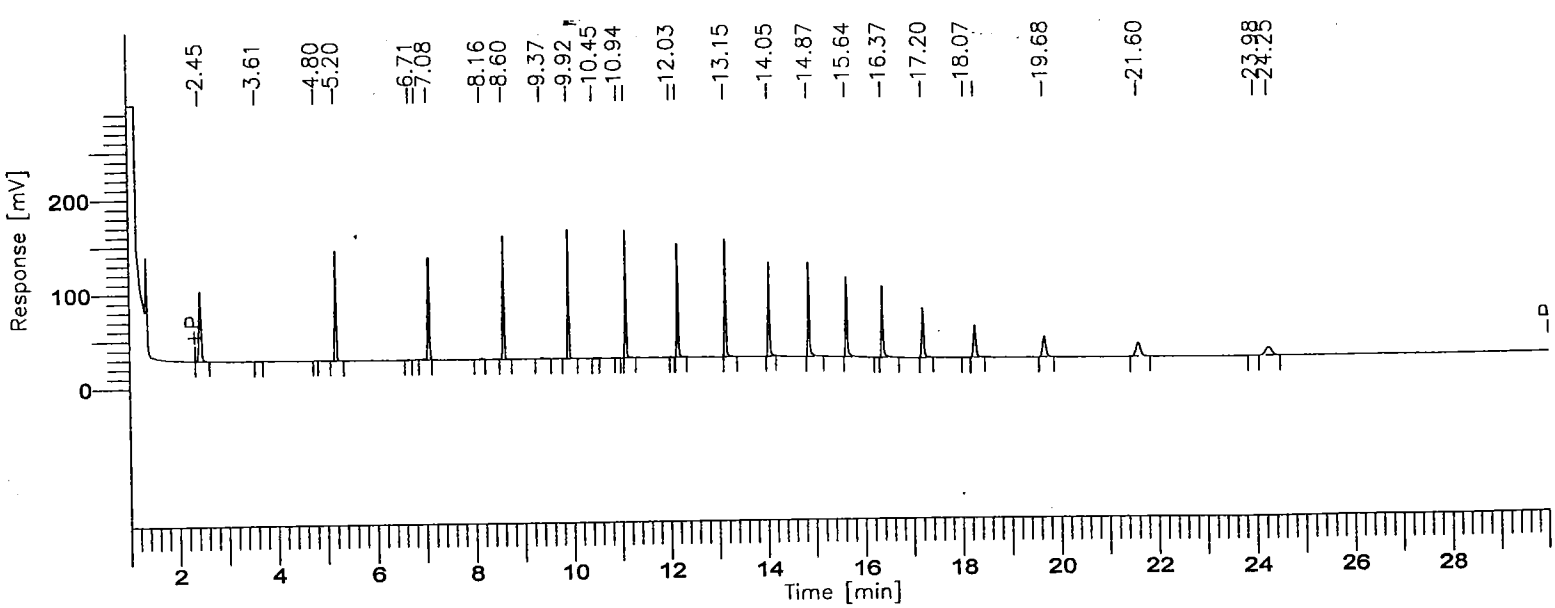
Area Threshold : 200
Divisor : 1.0000

Bunch Factor: 1
Addend : 0.0000

User1 : TPHDA
User2 :
User3 :
User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 28



001105

BOE-C6-0150223

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	
6.83		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
Sample Number: 30 PPM
Operator :

Time : 10/3/00 09:26 AM
Study : ICAL 9/30/00

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

Channel : A A/D mV Range : 1000

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
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

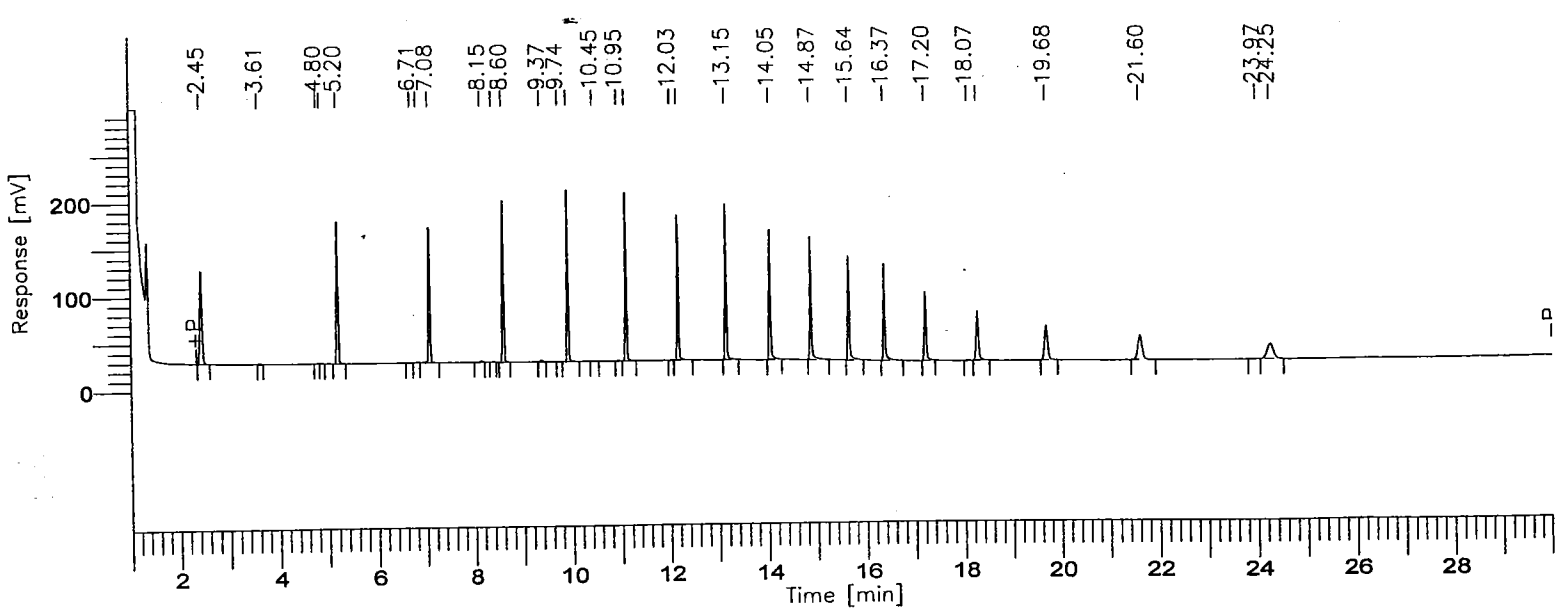
Noise Threshold: 50
Multiplier : 1.0000
User1 : TPHDA
User3 :
User5 :

Area Threshold : 200
Divisor : 1.0000
User2 :
User4 :

Bunch Factor: 1
Addend : 0.0000

Instrument Conditions:

Total number of peaks detected: 31



001112

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	
[illegible].70		952	0.0010	-------	10.0	
[illegible].83		3445	0.0034	-------	10.0	
		323707	0.3237			

Group Report For : C12-C13

T' e [...n]	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			

G up 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[illegible]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
Data 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
C20-C23	13.051	40.00000	871408.500000	21785.212500	0.00	5	------	------	1	0
C24-C27	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
C32-C35	0.000000	16982.633472	----------	----------	--------	9
C36-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
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 04:01 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

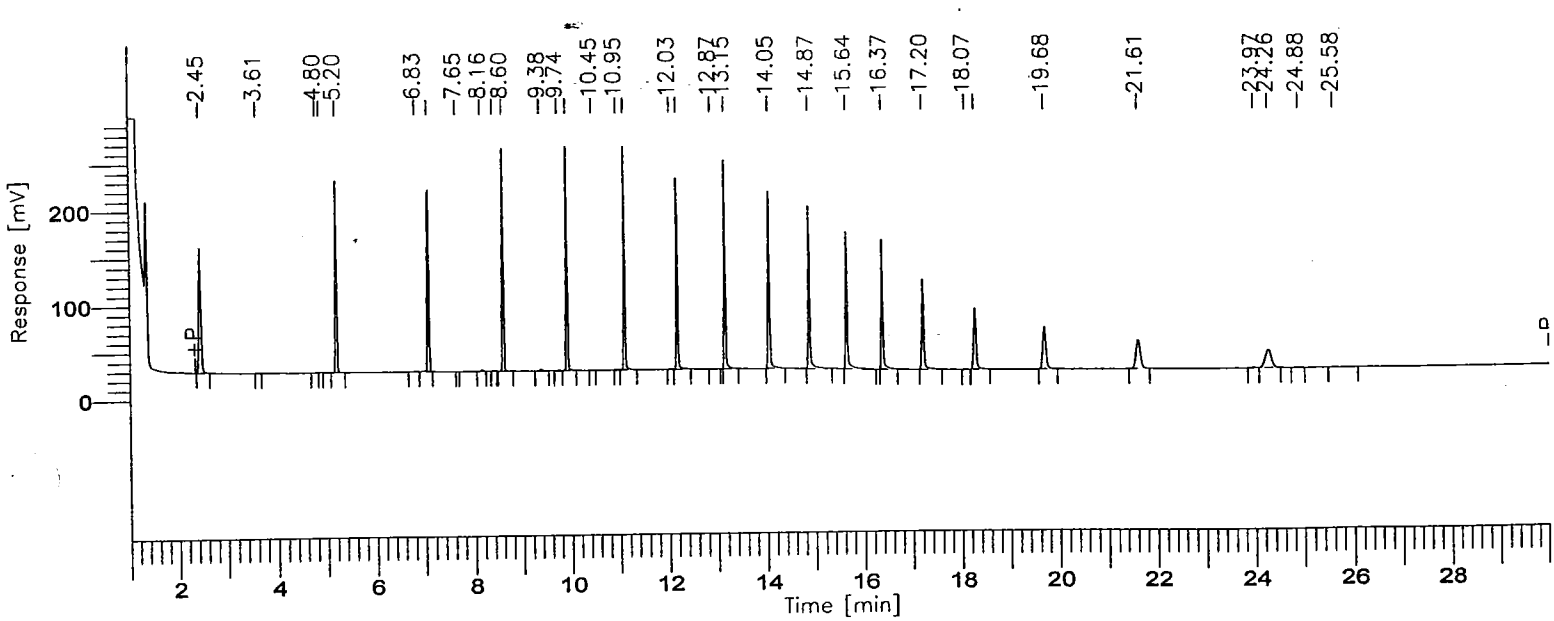
Raw Data File : C:\TC4\DATA_3\930_007.RAW
Result File : C:\TC4\DATA_3\930_007.rst
Inst Method : C:\TC4\DATA_3\METHODS\C8-C40A from C:\TC4\DATA_3\930_007.rst
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_3\930.SEQ

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
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]	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
.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
1[illegible].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
1[illegible].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

Report 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]23	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]-C35	0.000000	15683.706806	----------	----------	--------	9
[illegible]39	0.000000	11443.640357	----------	----------	--------	9
[illegible]	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
Sample Number: 50 PPM
Operator :

Time : 10/3/00 09:26 AM
Study : ICAL 9/30/00

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

Channel : A A/D mV Range : 1000

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
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

Noise Threshold: 50
Multiplier : 1.0000

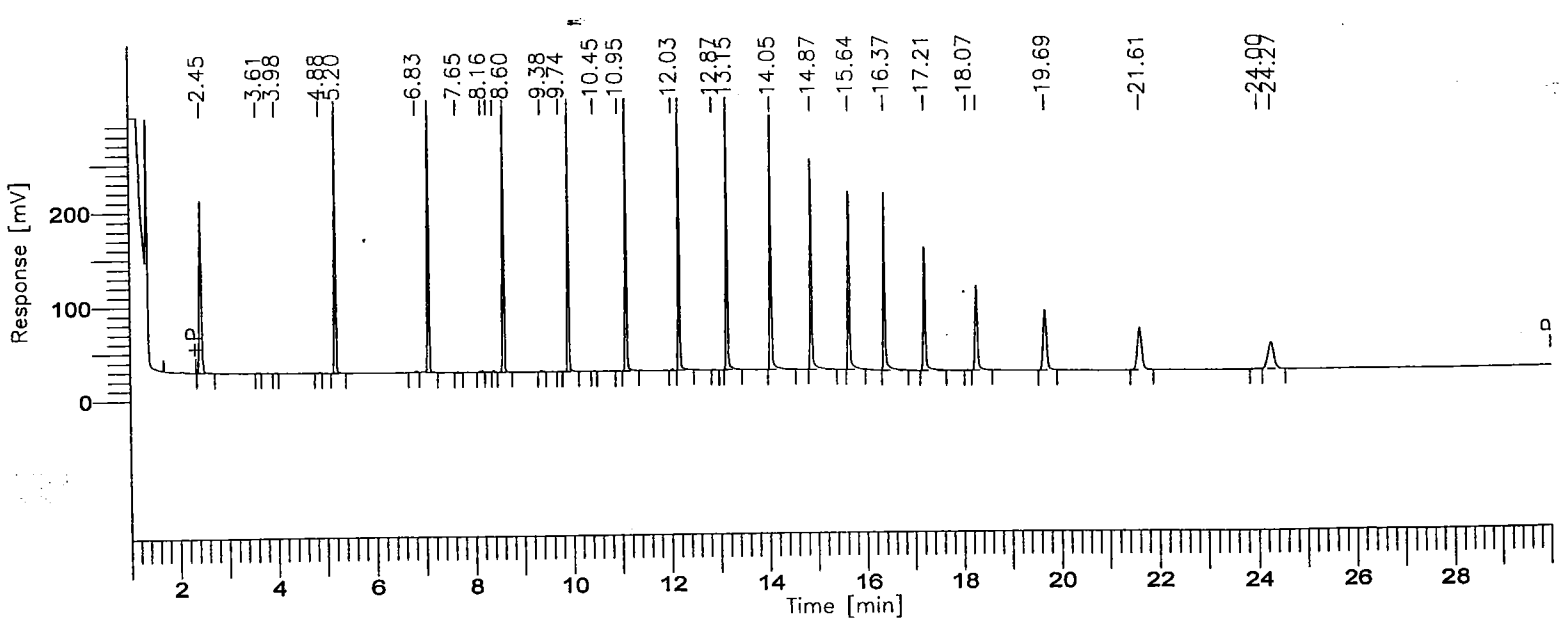
Area Threshold : 200
Divisor : 1.0000

Bunch Factor: 1
Addend : 0.0000

User1 : TPHDA
User2 :
User3 :
User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 33



001126

BOE-C6-0150244

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	
[illegible].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
..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			

G ıp 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^ 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
15.64		488080	0.4881	-------	10.0	
1 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
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+

T[illegible] [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			

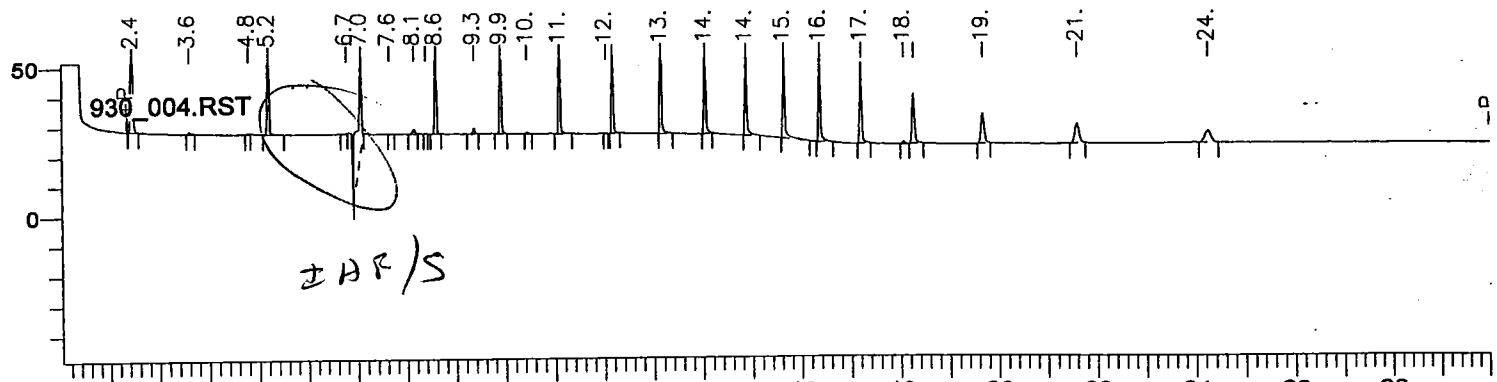
Missing Component Report

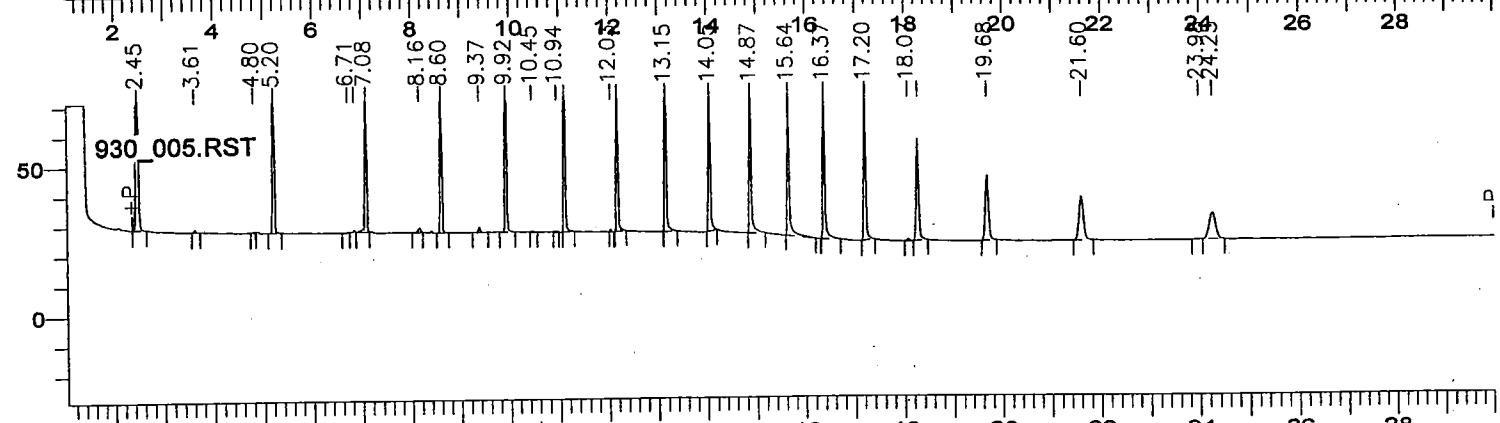
Component	Expected Retention (Calibration File)

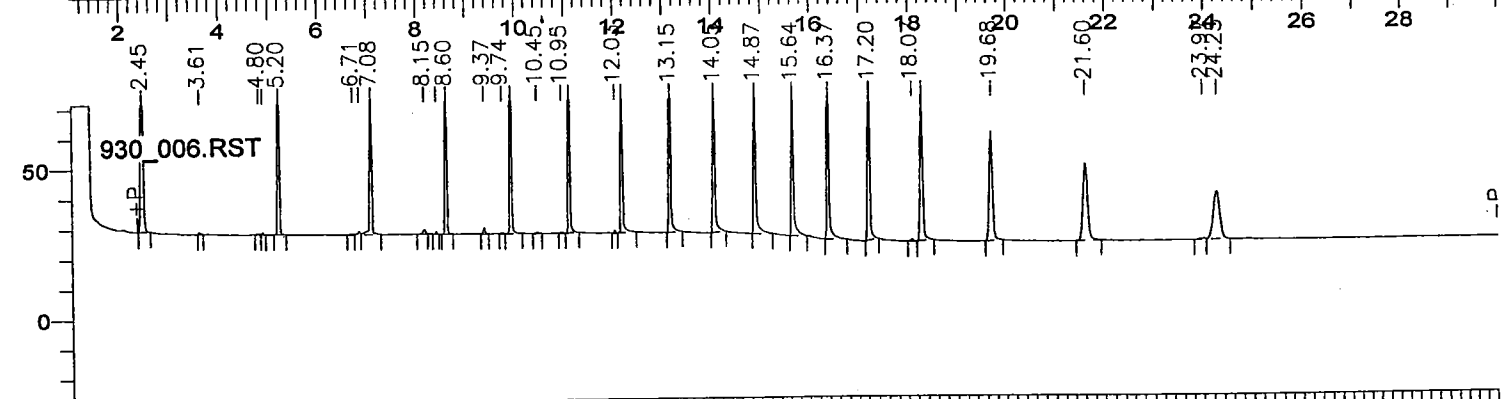
All components were found

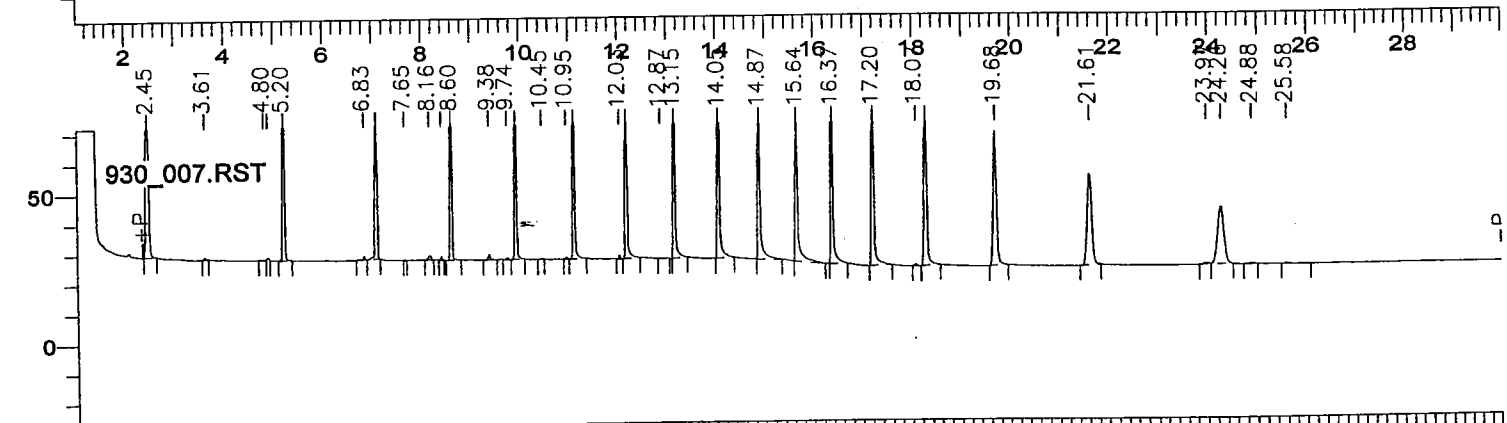
STL - LOS ANGELES

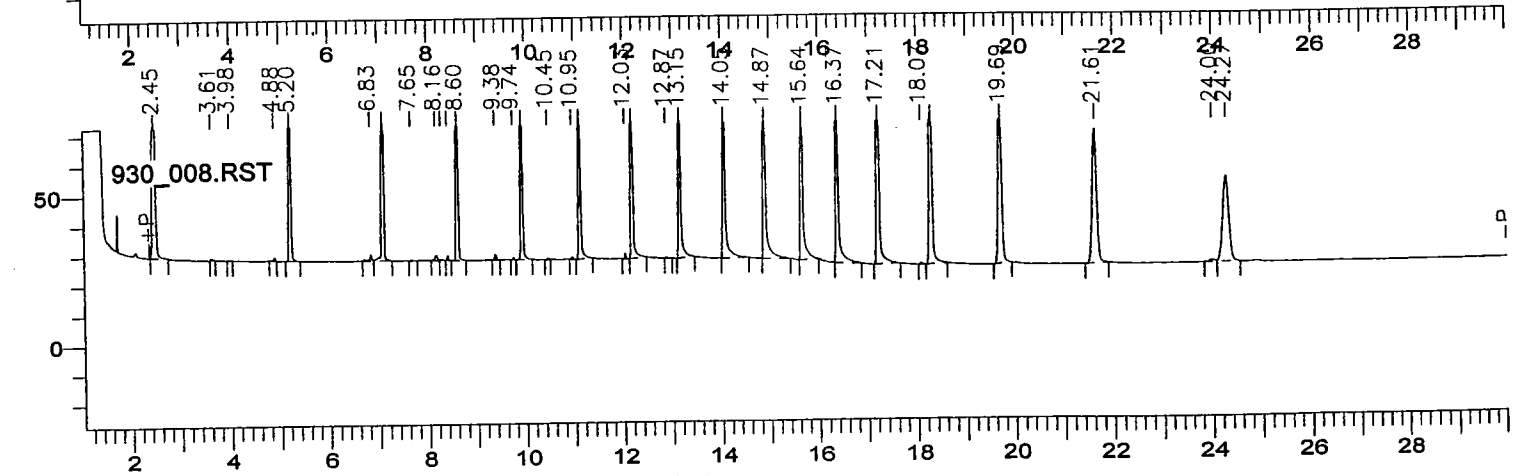
Report stored in ASCII file: C:\TC4\DATA_3\930_008.TX0


930_004.RST
±AR/S


930_005.RST


930_006.RST


930_007.RST


930_008.RST

Plot Title	Start Time	End Time	Scale (mV)	Offset (mV)
930_004.RST	1.00	30.00	100.00	-48.30

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
Description :

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
[illegible]	Sample	215-06	DL1KC102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
[illegible]	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
[illegible]	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
[illegible]	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 # EOJ090227

STL Los Angeles
Précis
CVAA Data Summary Cover Sheet

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

Analyst: JGA
Analytical Date: 10/13/00
Data File: HG01013B
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.
0285279	EOJ090227	JG 10/14/00		L3
0285280	EOJ090227			
	EOJ100272			L3
	EOJ100264			
0285325	EOJ060276			
	EOJ060360			
	EOJ090226			L3

Calibration Stds:
Preparation: Date 10/12/00 Time 1030
Calibration Stock Standard Concentration 10000 mg/L Lot# Hg-060800 Exp. Date 05/02
Intermediate Standard – 10000ug/L – requires 1000X dilution of Stock Std.
Cal Working Standard - 100ug/L - requires 100X dilution of Intermediate Std.
Std.1 - 0.2 ug/L 500X dilution of Cal Working Standard (0.2mL to 100mL)
Std.2 - 0.5 ug/L 200X dilution of Cal Working Standard (0.5mL to 100mL)
Std.3 - 1.0 ug/L 100X dilution of Cal Working Standard (1.0mL to 100mL)
Std.4 - 5.0 ug/L 20X dilution of Cal Working Standard (5.0mL to 100mL)
Std.5 - 10 ug/L 10X dilution of Cal Working Standard (10.0mL to 100mL)
Calibration Check Stds:
CRA - 0.2 ug/L - 500X dilution of Cal Working Standard (0.2mL to 100mL)
ICV Stock Standard Concentration 1000 mg/mL Lot# Hg-061300 Exp. Date 07/2001
ICV Working Standard - 500 ug/L - two dilutions of ICV Stock -first 100X then a 20X
ICV - 2.5 ug/L - 200X dilution of ICV Working Standard (0.5mL to 100mL)
CCV - 5.0 ug/L - 20X dilution of Cal Working Standard (5.0mL to 100mL)

Notes/Comments:

FURNACE DATA SHEET

File: HG01013B Element: HG__ Instrument: LEEMAN HG_____

Start Run Date: 10/13/00 End Run Date: 10/13/00

1 of 3

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

0.9999 10/14/00 JB

Concentration Units: Ug/L

#	SAMPLE ID	Time	Dil Factor	Sample (Absorb)	Sample (Conc)	%R/R	Flag		
1	S0	15:19	1.00		0.0000				
2	S0.2	15:21	1.00		0.2000				
3	S0.5	15:23	1.00		0.5000				
4	S1	15:25	1.00		1.0000				
5	S5	15:27	1.00		5.0000				
6	S10	15:29	1.00		10.0000				
7	ICV	15:33	1.00		2.5600	102			
8	ICB	15:36	1.00		-0.0320			ND	
9	DLX1PB	15:37	1.00		-0.0260			ND	
10	DLX1PC	15:39	1.00		4.9900	100		0.832	
11	DLTCA	15:41	1.00		0.0370	ND			
12	DLTCAS	15:43	1.00		1.0900	109		0.182	
13	DLTCAD	15:44	1.00		1.0600	106		0.177	
14	DLTCE	15:46	1.00		0.1360			0.023	
15	DLTCF	15:48	1.00		0.3360			0.056	
16	DLTCG	15:50	1.00		0.2370			0.040	
17	DLTCH	15:52	1.00		0.4090			0.068	
18	CCV1	15:54	1.00		5.1200	102			
19	CCB1	15:55	1.00		0.0080			ND	
20	DLTCK	15:57	1.00		0.2060			0.034	
21	DLTCL	15:59	1.00		0.2850			0.048	
22	DLTCM	16:01	1.00		0.6130			0.102	
23	DLTCN	16:02	1.00		0.1880			0.031	
24	DLTCP	16:04	1.00		0.3560			0.059	
25	DLTCQ	16:06	1.00		0.0540			ND	
26	DLTCR	16:08	1.00		0.0320			ND	
27	DLTCT	16:10	1.00		0.1450			0.024	
28	DLTCW	16:12	1.00		0.2160			0.036	
29	CCV2	16:14	1.00		5.2400	105			
30	CCB2	16:16	1.00		-0.1150			ND	
31	DLTCX	16:18	1.00		0.2660			0.044	
32	DLTD1	16:20	1.00		0.2740			0.046	
33	DLTD5	16:21	1.00		0.0540			ND	
34	DLTD7	16:23	1.00		0.1090			0.018	
35	DLTD9	16:25	1.00		0.0300			ND	
36	DLTDC	16:27	1.00		0.2390			0.040	
37	DLX1TB	16:29	1.00		-0.0420			ND	
38	DLX1TC	16:30	1.00		4.8000	96		0.800	
39	DLTDE	16:32	1.00		0.0920			ND	
40	DLTDES	16:34	1.00		1.5100	151		0.252	

Analyst: JGA_____ QC Reviewer: _____

FURNACE DATA SHEET

le: HG01013B Element: HG__ Instrument: LEEMAN HG_____

Start Run Date: 10/13/00 End Run Date: 10/13/00

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

0.9999 10/14/00 JGA

Concentration Units: Ug/L

2 of 3

#	SAMPLE ID	Time	Dil Factor	Sample (Absorb)	Sample (Conc)	%R/R	Flag		
41	CCV3	16:36	1.00		5.0700	101			
42	CCB3	16:38	1.00		0.0490			ND	
43	DLTDED	16:40	1.00		1.1400	114		0.190	
44	DLW5C	16:42	1.00		0.1640			0.027	
45	DLW5M	16:44	1.00		0.0460			ND	
46	DLW5N	16:46	1.00		0.2730			0.046	
47	DLW5R	16:48	1.00		0.0240			ND	
48	DLW60	16:50	1.00		0.0120			ND	
49	DLW63	16:52	1.00		0.1430			0.024	
50	DLW69	16:54	1.00		0.2110			0.035	
51	DLW6C	16:56	1.00		0.0510			ND	
52	CCV4	16:57	1.00		5.1600	103			
53	CCB4	16:59	1.00		-0.0500			ND	
54	DLW6D	17:01	1.00		0.0170			ND	
55	DLW6E	17:03	1.00		0.2310			0.038	
56	DLW6F	17:05	1.00		0.0550			ND	
57	DLW6G	17:07	1.00		0.0930			+	
58	DLW6J	17:09	1.00		0.2020			0.034	
59	DLW6L	17:11	1.00		0.1400			0.023	
60	DLW6M	17:13	1.00		0.0390			ND	
61	DLW6P	17:14	1.00		0.1520			0.025	
62	DLW6V	17:16	1.00		0.4100			0.068	
63	DLW3P	17:18	1.00		0.0350			ND	
64	CCV5	17:20	1.00		5.0700	101			
65	CCB5	17:22	1.00		-0.0450			ND	
66	DLW45	17:25	1.00		0.0070			ND	
67	DLX91B	17:26	1.00		0.0020			+	
68	DLX91C	17:28	1.00		4.0800			dilution	
69	DLP38	17:30	1.00		0.4540			0.076	
70	DLP38S	17:32	1.00		1.2900			0.215	
71	DLP38D	17:34	1.00		1.2200			0.203	
72	DLP4X	17:36	1.00		0.1510			0.025	
73	DLP5E	17:38	1.00		0.2780			0.046	
74	DLP5K	17:40	1.00		0.2070			0.034	
75	CCV6	17:42	1.00		5.0700	101			
76	CCB6	17:44	1.00		0.0190			ND	
77	DLP5N	17:46	1.00		0.3560			0.059	
78	DLP60	17:48	1.00		0.2560			0.043	
79	DLP65	17:50	1.00		0.8780			0.146	
80	DLP69	17:52	1.00		0.1510			0.025	

lyst: JGA_____ QC Reviewer: _____

FURNACE DATA SHEET

File: HG01013B Element: HG__ Instrument: LEEMAN HG_____

Start Run Date: 10/13/00 End Run Date: 10/13/00

3 of 3

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

0.9999 10/14/00 JZ

Concentration Units: Ug/L

#	SAMPLE ID	Time	Dil Factor	Sample (Absorb)	Sample (Conc)	%R/R	Flag		
81	DLP6N	17:54	1.00		0.3140			0.052	
82	DLP75	17:55	1.00		0.3060			0.051	
83	DLQ13	17:57	1.00		-0.0410			ND	
84	DLQ17	17:59	1.00		0.1650			0.028	
85	DLQ1A	18:01	1.00		0.3530			0.059	
86	CCV7	18:03	1.00		5.0300	101			
87	CCB7	18:05	1.00		-0.0430			ND	
88	DLQ1F	18:07	1.00		0.1370			0.023	
89	DLQ1H	18:09	1.00		0.1450			0.024	
90	DLQ1K	18:11	1.00		0.1940			0.032	
91	DLQ1M	18:13	1.00		0.2460			0.041	
92	DLQ1R	18:15	1.00		0.1700			ND	0.028
93	DLTC8	18:17	1.00		0.1520			0.025	
94	CCV7	18:20	1.00		5.0000	100			
95	CCB7	18:22	1.00		-0.0340			ND	
96									
97									
98									
99									
100									

10/14/00 JZ

Analyst: JGA_____ QC Reviewer: _____

Folder: HG01013B Page 1
15:19:35 13 Oct 2000 Protocol: HG-A

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Standard: 1 Rep: 1				Seq:	0	15:19:35 13 Oct 2000 HG		
Hg	.000	ppb	967					
*** Standard: 2 Rep: 1				Seq:	1	15:21:25 13 Oct 2000 HG		
Hg	.200	ppb	11087					
*** Standard: 3 Rep: 1				Seq:	2	15:23:14 13 Oct 2000 HG		
Hg	.500	ppb	26221					
*** Standard: 4 Rep: 1				Seq:	3	15:25:02 13 Oct 2000 HG		
Hg	1.00	ppb	56434					
*** Standard: 5 Rep: 1				Seq:	4	15:27:12 13 Oct 2000 HG		
Hg	5.00	ppb	256849					
*** Standard: 6 Rep: 1				Seq:	5	15:29:01 13 Oct 2000 HG		
Hg	10.0	ppb	513246					

RunProt: HG-A | Err: Analyzer needs maintenance | Mode: Analyze

RunFold: HG01013B Seq: 6 Batch: RunPrep: prp7470

Prnt: R/T On Pump: On

Rev: 4.2 15:30:18 13 Oct 2000 Xmit: Off Gas: 0.70 LPM

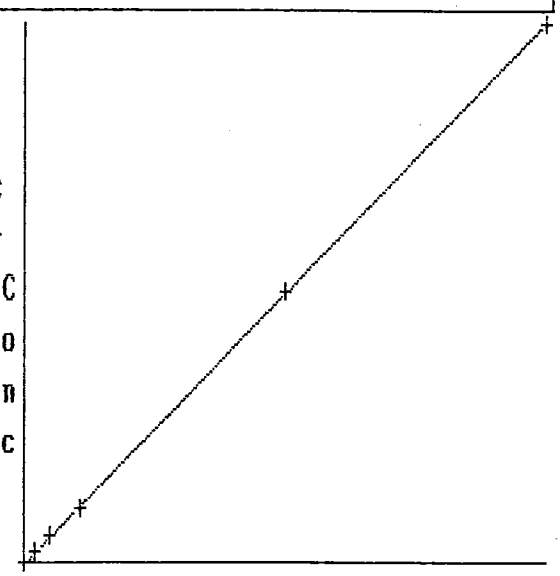
Idle None User: JGA A/S: On

CALIBRATION: Line proto: HG-A

	Hg Conc.	Calc.	Dev.	Accepted ->linear
S1	.000	-.016	-.016	Quadratic
S2	.200	.182	-.018	Wtdlinear
S3	.500	.478	-.022	C
S4	1.00	1.07	.069	Accept o
S5	5.00	4.99	-.013	n
S6	10.0	10.0	.000	c

A .0000000 r .999963

B 1.95526e-5 C -3.48555e-2



Relative Absorbance

	Mean			
S1	967	0	SD	967
S2	11087	0	%RSD	11087
S3	26221	0	%RSD	26221
S4	56434	0	%RSD	56434
S5	256849	0	%RSD	256849
S6	513246	0	%RSD	513246

New cal coefficients stored

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: ICV					Seq: 6	15:33:36 13 Oct 2000 HG		
Hg	2.56	ppb	.000	2.56				
*** Sample ID: ICB					Seq: 7	15:36:00 13 Oct 2000 HG		
Hg	-.032	ppb	.000	-.032				
*** Sample ID: DLX1PB					Seq: 8	15:37:45 13 Oct 2000 HG		
Hg	-.026	ppb	.000	-.026				
*** Sample ID: DLX1PC					Seq: 9	15:39:38 13 Oct 2000 HG		
Hg	4.99	ppb	.000	4.99				
*** Sample ID: DLTCA					Seq: 10	15:41:21 13 Oct 2000 HG		
Hg	.037	ppb	.000	.037				
*** Sample ID: DLTCAS					Seq: 11	15:43:05 13 Oct 2000 HG		
Hg	1.09	ppb	.000	1.09				
*** Sample ID: DLTCAD					Seq: 12	15:44:52 13 Oct 2000 HG		
Hg	1.06	ppb	.000	1.06				
*** Sample ID: DLTCE					Seq: 13	15:46:37 13 Oct 2000 HG		
Hg	.136	ppb	.000	.136				
*** Sample ID: DLTCF					Seq: 14	15:48:25 13 Oct 2000 HG		
Hg	.336	ppb	.000	.336				
*** Sample ID: DLTCG					Seq: 15	15:50:09 13 Oct 2000 HG		
Hg	.237	ppb	.000	.237				
*** Sample ID: DLTCH					Seq: 16	15:52:04 13 Oct 2000 HG		
Hg	.409	ppb	.000	.409				
*** Sample ID: CCV1					Seq: 17	15:54:07 13 Oct 2000 HG		
Hg	5.13	ppb	.000	5.13				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: CCB1					Seq: 18	15:55:50 13 Oct 2000 HG		
Hg	.008	ppb	.000	.008				
*** Sample ID: DLTCK					Seq: 19	15:57:35 13 Oct 2000 HG		
Hg	.206	ppb	.000	.206				
*** Sample ID: DLTCL					Seq: 20	15:59:27 13 Oct 2000 HG		
Hg	.285	ppb	.000	.285				
*** Sample ID: DLTCM					Seq: 21	16:01:15 13 Oct 2000 HG		
Hg	.613	ppb	.000	.613				
*** Sample ID: DLTCN					Seq: 22	16:02:58 13 Oct 2000 HG		
Hg	.188	ppb	.000	.188				
*** Sample ID: DLTCP					Seq: 23	16:04:55 13 Oct 2000 HG		
Hg	.356	ppb	.000	.356				
*** Sample ID: DLTCQ					Seq: 24	16:06:51 13 Oct 2000 HG		
Hg	.054	ppb	.000	.054				
*** Sample ID: DLTCR					Seq: 25	16:08:35 13 Oct 2000 HG		
Hg	.032	ppb	.000	.032				
*** Sample ID: DLTCT					Seq: 26	16:10:21 13 Oct 2000 HG		
Hg	.145	ppb	.000	.145				
*** Sample ID: DLTCW					Seq: 27	16:12:11 13 Oct 2000 HG		
Hg	.216	ppb	.000	.216				
*** Sample ID: CCV2					Seq: 28	16:14:17 13 Oct 2000 HG		
Hg	5.24	ppb	.000	5.24				
*** Sample ID: CCB2					Seq: 29	16:16:11 13 Oct 2000 HG		

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: DLTCX					Seq: 30	16:18:05 13 Oct 2000 HG		
Hg	.266	ppb	.000	.266				
*** Sample ID: DLTD1					Seq: 31	16:20:02 13 Oct 2000 HG		
Hg	.274	ppb	.000	.274				
*** Sample ID: DLTD5					Seq: 32	16:21:47 13 Oct 2000 HG		
Hg	.054	ppb	.000	.054				
*** Sample ID: DLTD7					Seq: 33	16:23:42 13 Oct 2000 HG		
Hg	.109	ppb	.000	.109				
*** Sample ID: DLTD9					Seq: 34	16:25:29 13 Oct 2000 HG		
Hg	.030	ppb	.000	.030				
*** Sample ID: DLTDC					Seq: 35	16:27:15 13 Oct 2000 HG		
Hg	.239	ppb	.000	.239				
*** Sample ID: DLX1TB					Seq: 36	16:29:00 13 Oct 2000 HG		
Hg	-.042	ppb	.000	-.042				
*** Sample ID: DLX1TC					Seq: 37	16:30:49 13 Oct 2000 HG		
Hg	4.80	ppb	.000	4.80				
*** Sample ID: DLTDE					Seq: 38	16:32:56 13 Oct 2000 HG		
Hg	.092	ppb	.000	.092				
*** Sample ID: DLTDES					Seq: 39	16:34:44 13 Oct 2000 HG		
Hg	1.51	ppb	.000	1.51				
*** Sample ID: CCV3					Seq: 40	16:36:43 13 Oct 2000 HG		
Hg	5.07	ppb	.000	5.07				
*** Sample ID: CCB3					Seq: 41	16:38:43 13 Oct 2000 HG		
Hg	[illegible]	ppb	[illegible]	[illegible]				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: DLTDED					Seq:	42	16:40:28 13 Oct 2000 HG	
Hg	1.14	ppb	.000	1.14				
*** Sample ID: DLW5C					Seq:	43	16:42:15 13 Oct 2000 HG	
Hg	.164	ppb	.000	.164				
*** Sample ID: DLW5M					Seq:	44	16:44:12 13 Oct 2000 HG	
Hg	.046	ppb	.000	.046				
*** Sample ID: DLW5N					Seq:	45	16:46:13 13 Oct 2000 HG	
Hg	.273	ppb	.000	.273				
*** Sample ID: DLW5R					Seq:	46	16:48:00 13 Oct 2000 HG	
Hg	.024	ppb	.000	.024				
*** Sample ID: DLW6O					Seq:	47	16:50:16 13 Oct 2000 HG	
Hg	.012	ppb	.000	.012				
*** Sample ID: DLW63					Seq:	48	16:52:13 13 Oct 2000 HG	
Hg	.143	ppb	.000	.143				
*** Sample ID: DLW69					Seq:	49	16:54:14 13 Oct 2000 HG	
Hg	.211	ppb	.000	.211				
*** Sample ID: DLW6C					Seq:	50	16:56:01 13 Oct 2000 HG	
Hg	.051	ppb	.000	.051				
*** Sample ID: CCV4					Seq:	51	16:57:53 13 Oct 2000 HG	
Hg	5.16	ppb	.000	5.16				
*** Sample ID: CCB4					Seq:	52	16:59:40 13 Oct 2000 HG	
Hg	-.050	ppb	.000	-.050				
*** Sample ID: DLW6D					Seq:	53	17:01:37 13 Oct 2000 HG	
Hg	.017	ppb	.000	.017				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: DLW6E					Seq: 54	17:03:28 13 Oct 2000 HG		
Hg	.231	ppb	.000	.231				
*** Sample ID: DLW6F					Seq: 55	17:05:15 13 Oct 2000 HG		
Hg	.055	ppb	.000	.055				
*** Sample ID: DLW6G					Seq: 56	17:07:12 13 Oct 2000 HG		
Hg	.093	ppb	.000	.093				
*** Sample ID: DLW6J					Seq: 57	17:09:02 13 Oct 2000 HG		
Hg	.202	ppb	.000	.202				
*** Sample ID: DLW6L					Seq: 58	17:11:20 13 Oct 2000 HG		
Hg	.140	ppb	.000	.140				
*** Sample ID: DLW6M					Seq: 59	17:13:10 13 Oct 2000 HG		
Hg	.039	ppb	.000	.039				
*** Sample ID: DLW6P					Seq: 60	17:14:58 13 Oct 2000 HG		
Hg	.152	ppb	.000	.152				
*** Sample ID: DLW6V					Seq: 61	17:16:51 13 Oct 2000 HG		
Hg	.410	ppb	.000	.410				
*** Sample ID: DLW3P					Seq: 62	17:18:46 13 Oct 2000 HG		
Hg	.035	ppb	.000	.035				
*** Sample ID: CCV5					Seq: 63	17:20:35 13 Oct 2000 HG		
Hg	5.07	ppb	.000	5.07				
*** Sample ID: CCB5					Seq: 64	17:22:44 13 Oct 2000 HG		
Hg	-.045	ppb	.000	-.045				
*** Sample ID: DLW45					Seq: 65	17:25:03 13 Oct 2000 HG		
Hg	.007	ppb	.000	.007				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: DLX91B					Seq: 66	17:26:55 13 Oct 2000 HG		
Hg	.002	ppb	.000	.002				
*** Sample ID: DLX91C					Seq: 67	17:28:44 13 Oct 2000 HG		
Hg	4.08	ppb	.000	4.08				
*** Sample ID: DLP38					Seq: 68	17:30:53 13 Oct 2000 HG		
Hg	.454	ppb	.000	.454				
*** Sample ID: DLP38S					Seq: 69	17:32:42 13 Oct 2000 HG		
Hg	1.29	ppb	.000	1.29				
*** Sample ID: DLP38D					Seq: 70	17:34:31 13 Oct 2000 HG		
Hg	1.22	ppb	.000	1.22				
*** Sample ID: DLP4X					Seq: 71	17:36:22 13 Oct 2000 HG		
Hg	.151	ppb	.000	.151				
*** Sample ID: DLP5E					Seq: 72	17:38:12 13 Oct 2000 HG		
Hg	.278	ppb	.000	.278				
*** Sample ID: DLP5K					Seq: 73	17:40:07 13 Oct 2000 HG		
Hg	.207	ppb	.000	.207				
*** Sample ID: CCV6					Seq: 74	17:42:21 13 Oct 2000 HG		
Hg	5.07	ppb	.000	5.07				
*** Sample ID: CCB6					Seq: 75	17:44:11 13 Oct 2000 HG		
Hg	.019	ppb	.000	.019				
*** Sample ID: DLP5N					Seq: 76	17:46:07 13 Oct 2000 HG		
Hg	.356	ppb	.000	.356				
*** Sample ID: DLP60					Seq: 77	17:48:21 13 Oct 2000 HG		
Hg	.256	ppb	.000	.256				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: DLP65					Seq: 78	17:50:11 13 Oct 2000 HG		
Hg	.878	ppb	.000	.878				
*** Sample ID: DLP69					Seq: 79	17:52:12 13 Oct 2000 HG		
Hg	.151	ppb	.000	.151				
*** Sample ID: DLP6N					Seq: 80	17:54:04 13 Oct 2000 HG		
Hg	.314	ppb	.000	.314				
*** Sample ID: DLP75					Seq: 81	17:55:59 13 Oct 2000 HG		
Hg	.306	ppb	.000	.306				
*** Sample ID: DLQ13					Seq: 82	17:57:50 13 Oct 2000 HG		
Hg	-.041	ppb	.000	-.041				
*** Sample ID: DLQ17					Seq: 83	17:59:45 13 Oct 2000 HG		
Hg	.165	ppb	.000	.165				
*** Sample ID: DLQ1A					Seq: 84	18:01:52 13 Oct 2000 HG		
Hg	.353	ppb	.000	.353				
*** Sample ID: CCV7					Seq: 85	18:03:45 13 Oct 2000 HG		
Hg	5.03	ppb	.000	5.03				
*** Sample ID: CCB7					Seq: 86	18:05:37 13 Oct 2000 HG		
Hg	-.043	ppb	.000	-.043				
*** Sample ID: DLQ1F					Seq: 87	18:07:30 13 Oct 2000 HG		
Hg	.137	ppb	.000	.137				
*** Sample ID: DLQ1H					Seq: 88	18:09:32 13 Oct 2000 HG		
Hg	.145	ppb	.000	.145				
*** Sample ID: DLQ1K					Seq: 89	18:11:37 13 Oct 2000 HG		
Hg	[illegible]	ppb	[illegible]	[illegible]				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: DLQ1M					Seq: 90	18:13:29 13 Oct 2000 HG		
Hg	.246	ppb	.000	.246				
*** Sample ID: DLQ1R					Seq: 91	18:15:22 13 Oct 2000 HG		
Hg	.170	ppb	.000	.170				
*** Sample ID: DLTC8					Seq: 92	18:17:19 13 Oct 2000 HG		
Hg	.152	ppb	.000	.152				
*** Sample ID: CCV7					Seq: 93	18:20:22 13 Oct 2000 HG		
Hg	5.00	ppb	.000	5.00				
*** Sample ID: CCB7					Seq: 94	18:22:33 13 Oct 2000 HG		
Hg	-.034	ppb	.000	-.034				

RQC057

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

Run Date: 10/11/00
Time: 11:27:08

BATCH NUMBER: **0285279**

PREP DATE: 10/11/00
DUE DATE 10/16/00

INITIALS: 607

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0J090227 SOLID	DLTCA TO DUE DATE: 10/16/00	01	g	X .60 g	g	g
	DLTCAS		g	.61 g	g	g
	DLTCAD		g	.60 g	g	g
E0J090227 SOLID	DLTCE TO DUE DATE: 10/16/00	01	g	X .60 g	g	g
E0J090227 SOLID	DLTCF TO DUE DATE: 10/16/00	01	g	X .61 g	g	g
E0J090227 SOLID	DLTCG TO DUE DATE: 10/16/00	01	g	X .60 g	g	g
E0J090227 SOLID	DLTCH TO DUE DATE: 10/16/00	01	g	X .59 g	g	g
E0J090227 SOLID	DLTCK TO DUE DATE: 10/16/00	01	g	X .58 g	g	g
E0J090227 SOLID	DLTCL TO DUE DATE: 10/16/00	01	g	X .59 g	g	g
E0J090227 SOLID	DLTCM TO DUE DATE: 10/16/00	01	g	X .60 g	g	g
E0J090227 SOLID	DLTCN TO DUE DATE: 10/16/00	01	g	X .61 g	g	g
E0J090227 SOLID	DLTCP TO DUE DATE: 10/16/00	01	g	X .58 g	g	g
E0J090227 SOLID	DLTCQ TO DUE DATE: 10/16/00	01	g	X .58 g	g	g
E0J090227 SOLID	DLTCR TO DUE DATE: 10/16/00	01	g	X .60 g	g	g
E0J090227 SOLID	DLTCT TO DUE DATE: 10/16/00	01	g	X .61 g	g	g
E0J090227 SOLID	DLTCW TO DUE DATE: 10/16/00	01	g	X .60 g	g	g

RQC057

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

Run Date: 10/11/00
Time: 11:27:08

BATCH NUMBER: **0285279**

PREP DATE: 10/11/00
DUE DATE 10/16/00

INITIALS: LCJ

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0J090227	DLTCX	01	_____g	X .61 g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
E0J090227	DLTD1	01	_____g	X .60 g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
E0J090227	DLTD5	01	_____g	X .61 g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
E0J090227	DLTD7	01	_____g	X .60 g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
E0J090227	DLTD9	01	_____g	X .59 g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
E0J090227	DLTDC	01	_____g	X .60 g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
E0J110000	DLX1PB	01	_____g	X .60 g	_____g	_____g
SOLID	DUE DATE:		0/00/00			
	DLX1PC		_____g	.62 g	_____g	_____g

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

COMMENTS: F.V. = 100 ML

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

SPIKING WITNESSED BY _____

STL LOS ANGELES

Précis

Metals Preparation

Batch: 0285279
The following information applies to all samples associated with the above batch number.

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

Date/Time Initiated: 10/12/00 1 1030
Date/Time Completed: 8 1 1100

Water Bath # 6 Temp* 95 °C Thermometer # M-H-01
*Thermometer correction applied. (CF + 2.0°C)

Spike Standards for LCS, MS/MSD and ICV samples (*Volume of Working standard).

	*Volume	Lot #	Exp. Date
1. Hg Cal (MS)	1 mL	Hg-060800	05/2002
2. Hg Cal (LCS)	5 mL	Hg-060800	05/2002
3. Hg ICV	0.5 mL	Hg-061300	07/2001

Preparation

Reagents	Volume	Lot #
*HNO_3	1.25 mL	6623 T09A058
*HCl	3.75 mL	5587 N41A07
$KMnO_4$	15 mL	995929
$K_2S_2O_8$	8.0 mL	995705

* 3 HCl : 1HNO_3 as Aqua Regia

Analysis

Reagents	Volume	Lot#
NH_2OH-HCl+ NaCl	6.0 mL	995700+ 995717
$SnCl_2$ + HCl	Controlled by instrument	000152+ 419100

SOP No. CORP-IP-0007SA, Revision 1.1, Date: 7/10/96

Method 7471A/245.5
Sample size 0.6 g (well mixed)

Step 1. **Standards**-Add 5 mL of aqua regia and mix.
Samples-Add 5 mL of DI water and 5 mL of aqua regia and mix.
Step 2. Heat for 2 min. at 95 °C ±5 °C.
Step 3. Cool
Step 4. Add 50 mL of DI water and mix.
Step 3. Add 15 mL of $KMnO_4$ and mix.
Step 4. Add 8 mL of $K_2S_2O_8$ and mix
Step 5. Heat at 95 °C ±5 °C for 30 min.
Step 6. Cool
Step 7. Add 6 mL of NH_2OH-HCl and mix.
Step 8. **Standards**-Add 50 mL of DI water and mix.
Samples- Add 55 mL of DI water and mix.

Standards to be prepared with each batch
To each standard add DI water for a total vol. of 10 mL

Standard	Concentration (mg/L)
Std. 0/ICB/CCB	0
Std. 1	0.0002
Std. 2	0.0005
Std. 3	0.001
Std. 4/CCV	0.005
Std. 5	0.010
ICV	0.0025

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

Digestate Chain-of-Custody:
Relinquished By: [signature] Date: 10/13/00 Received By: [signature] Date: 10/13/00

N:\inorganics\metals\forms\Q_prep
08/19/00

RQC057

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

Run Date: 10/12/00
Time: 19:14:48

BATCH NUMBER: **0285280**

PREP DATE: 10/11/00
DUE DATE 10/16/00

INITIALS: JM/KM

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0J090227	DLTDE	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
	DLTDES		_____g	0.60 g	_____g	_____g
	DLTDED		_____g	0.61 g	_____g	_____g
E0J100272	DLW5C	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
E0J100272	DLW5M	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
E0J100272	DLW5N	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
E0J100272	DLW5R	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
E0J100272	DLW60	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
E0J100272	DLW63	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
E0J100272	DLW69	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
E0J100272	DLW6C	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
E0J100272	DLW6D	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
E0J100272	DLW6E	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
E0J100272	DLW6F	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
E0J100272	DLW6G	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
E0J100272	DLW6J	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			

RQC057

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

Run Date: 10/12/00
Time: 19:14:48

BATCH NUMBER: **0285280**

PREP DATE: 10/11/00
DUE DATE 10/16/00

INITIALS: TM/KM 10/14/00

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0J100272	DLW6L	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
E0J100272	DLW6M	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
E0J100272	DLW6P	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
E0J100272	DLW6V	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
E0J100264	DLW3P	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/17/00			
E0J100264	DLW45	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/17/00			
E0J110000	DLX1TB	01	_____g	X 0.60 g	_____g	_____g
SOLID	DUE DATE:		0/00/00			
	DLX1TC		_____g	0.62 g	_____g	_____g

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

COMMENTS: F.V. = 100 ML

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

SPIKING WITNESSED BY _____

STL LOS ANGELES

Précis
Metals Preparation

Batch: 0285280
The following information applies to all samples associated with the above batch number.

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

Date/Time Initiated: 10/12/00 1000
Date/Time Completed: + 1 1030

Water Bath # 5 Temp* 95 °C Thermometer # M-H-01
*Thermometer correction applied. (CF + 2.0°C)

Spike Standards for LCS, MS/MSD and ICV samples (*Volume of Working standard).

	*Volume	Lot #	Exp. Date
1. Hg Cal (MS)	1 mL	Hg-060800	05/2002
2. Hg Cal (LCS)	5 mL	Hg-060800	05/2002
3. Hg ICV	0.5 mL	Hg-061300	07/2001

Preparation

Reagents	Volume	Lot #
*HNO_3	1.25 mL	6623 T09A058
*HCl	3.75 mL	5587 N41A07
$KMnO_4$	15 mL	995929
$K_2S_2O_8$	8.0 mL	995705

* 3 HCl : 1HNO_3 as Aqua Regia

Analysis

Reagents	Volume	Lot#
NH_2OH-HCl+ NaCl	6.0 mL	995700+ 995717
$SnCl_2$ + HCl	Controlled by instrument	000152+ 419100

SOP No. CORP-IP-0007SA, Revision 1.1, Date: 7/10/96

Method 7471A/245.5
Sample size 0.6 g (well mixed)

Step 1. **Standards**-Add 5 mL of aqua regia and mix.
Samples-Add 5 mL of DI water and 5 mL of aqua regia and mix.
Step 2. Heat for 2 min. at 95 °C ±5 °C.
Step 3. Cool
Step 4. Add 50 mL of DI water and mix.
Step 3. Add 15 mL of $KMnO_4$ and mix.
Step 4. Add 8 mL of $K_2S_2O_8$ and mix
Step 5. Heat at 95 °C ±5 °C for 30 min.
Step 6. Cool
Step 7. Add 6 mL of NH_2OH-HCl and mix.
Step 8. **Standards**-Add 50 mL of DI water and mix.
Samples- Add 55 mL of DI water and mix.

Standards to be prepared with each batch
To each standard add DI water for a total vol. of 10 mL

Standard	Concentration (mg/L)
Std. 0/ICB/CCB	0
Std. 1	0.0002
Std. 2	0.0005
Std. 3	0.001
Std. 4/CCV	0.005
Std. 5	0.010
ICV	0.0025

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

Digestate Chain-of-Custody:
Relinquished By: [signature] Date: 10/13/00 Received By: [signature] Date: 10/13/0

N:\inorganics\metals\forms\Q_prep
08/19/00

RQC057

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

Run Date: 10/11/00
Time: 12:08:11

BATCH NUMBER: **0285325**

PREP DATE: 10/12/00
DUE DATE 10/13/00

INITIALS: Jm

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0J060276	DLP38	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/13/00			
	DLP38S		_____g	0.61 g	_____g	_____g
	DLP38D		_____g	0.60 g	_____g	_____g
E0J060276	DLP4X	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/13/00			
E0J060276	DLP5E	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/13/00			
E0J060276	DLP5K	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/13/00			
E0J060276	DLP5N	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/13/00			
E0J060276	DLP60	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/13/00			
E0J060276	DLP65	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/13/00			
E0J060276	DLP69	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/13/00			
E0J060276	DLP6N	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/13/00			
E0J060276	DLP75	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/13/00			
E0J060360	DLQ13	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/13/00			
E0J060360	DLQ17	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/13/00			
E0J060360	DLQ1A	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/13/00			
E0J060360	DLQ1F	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/13/00			

RQC057

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

Run Date: 10/11/00
Time: 12:08:11

BATCH NUMBER: **0285325**

PREP DATE: 10/12/00
DUE DATE 10/13/00

INITIALS: DM 10/11/00

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0J060360	DLQ1H	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/13/00			
E0J060360	DLQ1K	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/13/00			
E0J060360	DLQ1M	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/13/00			
E0J060360	DLQ1R	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/13/00			
E0J090226	DLTC8	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
E0J110000	DLX91B	01	_____g	X 0.60 g	_____g	_____g
SOLID	DUE DATE:		0/00/00			
	DLX91C		_____g	0.60 g	_____g	_____g

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

COMMENTS: F.V. =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: 0285325
The following information applies to all samples associated with the above batch number.

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

Date/Time Initiated: 10/12/001 1100
Date/Time Completed: 1 1130

Water Bath # 6 Temp* 95 °C Thermometer # M-H-01
*Thermometer correction applied. (CF + 2.0°C)

Spike Standards for LCS, MS/MSD and ICV samples (*Volume of Working standard).

	*Volume	Lot #	Exp. Date
1. Hg Cal (MS)	1 mL	Hg-060800	05/2002
2. Hg Cal (LCS)	5 mL	Hg-060800	05/2002
3. Hg ICV	0.5 mL	Hg-061300	07/2001

Preparation

Reagents	Volume	Lot #
*HNO_3	1.25 mL	6623 T09A058
*HCl	3.75 mL	5587 N41A07
$KMnO_4$	15 mL	995929
$K_2S_2O_8$	8.0 mL	995705

* 3 HCl : 1HNO_3 as Aqua Regia

Analysis

Reagents	Volume	Lot#
NH_2OH-HCl+ NaCl	6.0 mL	995700+ 995717
$SnCl_2$ + HCl	Controlled by instrument	000152+ 419100

SOP No. CORP-IP-0007SA, Revision 1.1, Date: 7/10/96

Method 7471A/245.5
Sample size 0.6 g (well mixed)

Step 1. **Standards**-Add 5 mL of aqua regia and mix.
Samples-Add 5 mL of DI water and 5 mL of aqua regia and mix.
Step 2. Heat for 2 min. at 95 °C ±5 °C.
Step 3. Cool
Step 4. Add 50 mL of DI water and mix.
Step 3. Add 15 mL of $KMnO_4$ and mix.
Step 4. Add 8 mL of $K_2S_2O_8$ and mix
Step 5. Heat at 95 °C ±5 °C for 30 min.
Step 6. Cool
Step 7. Add 6 mL of NH_2OH-HCl and mix.
Step 8. **Standards**-Add 50 mL of DI water and mix.
Samples- Add 55 mL of DI water and mix.

Standards to be prepared with each batch
To each standard add DI water for a total vol. of 10 mL

Standard	Concentration (mg/L)
Std. 0/ICB/CCB	0
Std. 1	0.0002
Std. 2	0.0005
Std. 3	0.001
Std. 4/CCV	0.005
Std. 5	0.010
ICV	0.0025

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

Digestate Chain-of-Custody:
Relinquished By: [signature] Date: 10/13/00 Received By: [signature] Date: 10/13/00

N:\inorganics\metals\forms\Q_prep
08/19/00

STL Los Angeles
Précis
ICAP Data Summary Cover Sheet

Instrument ID: ICPT - M01 Analyst: bm
Analytical Date: 10/12/00

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

Data File: P101200
Q101200

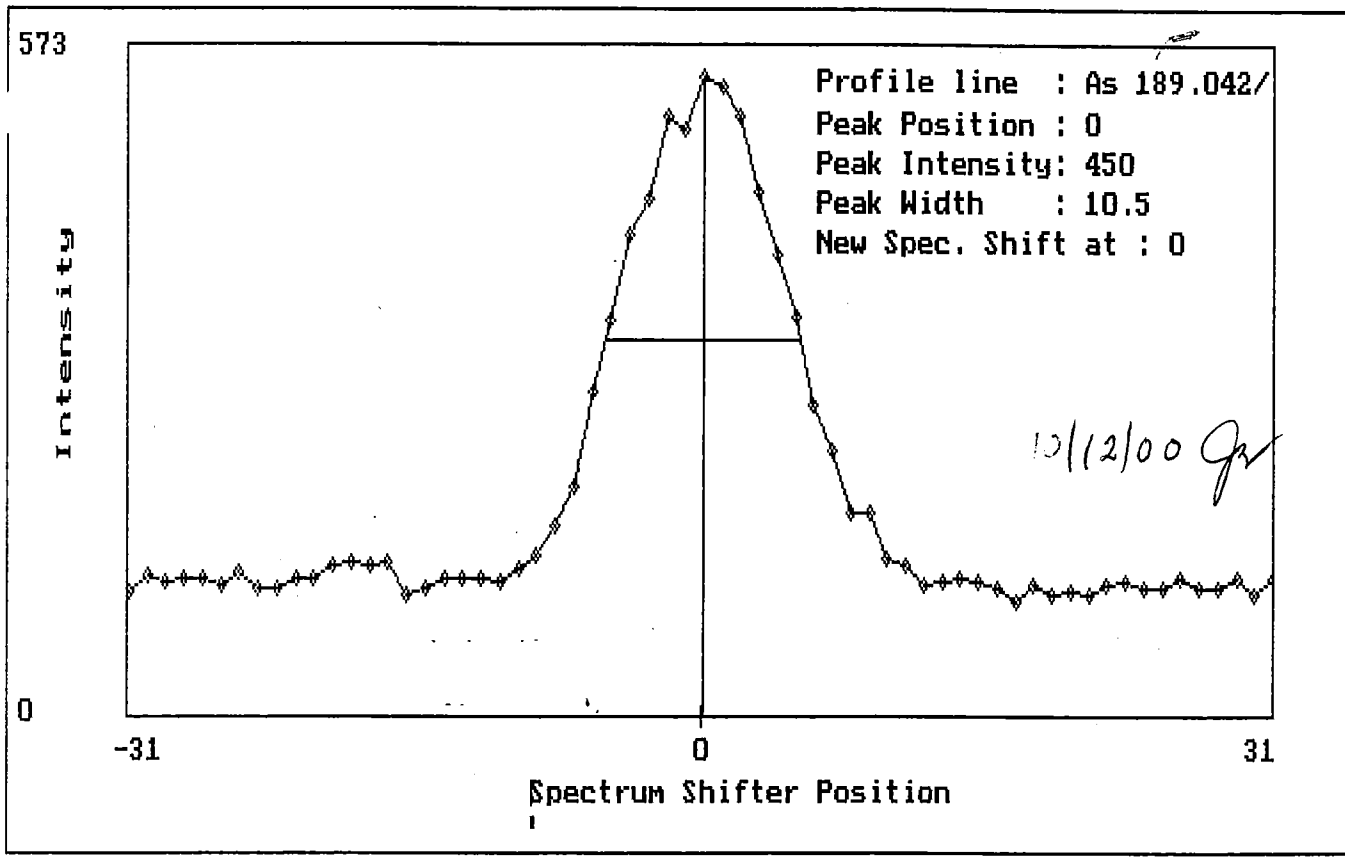
Batch	Lot/Project	Data Upload	Review/Release	Pkg.	
0281127	DKK9K (Se)	bm 10/13/00	[illegible] 10/16/00		
0281129			[illegible] 10/17/00	L-3	
	M2SC → DL2SJ (Sx)				
	DLPXD (Te)				
0283479	MB (Te)				
0284498	G05060313		[illegible] 10/13/00		
	EOJC50165			L-3	
0286389	G05060313				
* 0285275 ✓	EOJ090226 ✓		[illegible] 10/16/00	L-3	10/27
	EOJ100204				
0284380 ✓	EOJ060276				
	EOJ060360				
	EOJ090226 ✓			L3	10/27
0285258	EOJ090227				
0285268 ✓	LOJ090184				
	EOJ090227				
	EOJ100266				
0285275	EOJ100274		[illegible] 10/16/00		

Standards

Calibration Stds:	Lot #	Calibration Check Stds:	Lot #
1. Blank	100300-T1	ICV	100300-T4
2. STD1	100300-T2	CCV	100302-T5
3.		ICSA	100300-T7
4.		ICSAB 40	100500-T8
5.		5.	
6.		6.	

Notes/Comments:
* LCS & MS/SD were spiked at twice the required range.

N:\metals\forms\dscs.doc


573
Profile line : As 189.042/
Peak Position : 0
Peak Intensity: 450
Peak Width : 10.5
New Spec. Shift at : 0
10/12/00
Intensity
0
-31
0
31
Spectrum Shifter Position

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	STDBLK	Q101200	QTESTNAK	10/12/00	14:41		X	IR
2	STD1	Q101200	QTESTNAK	10/12/00	14:47		X	IR
3	ICVHP	Q101200	QTESTNAK	10/12/00	14:54	KT	S	CONC
4	ICB	Q101200	QTESTNAK	10/12/00	15:02	KT	S	CONC
5	ICSA	Q101200	QTESTNAK	10/12/00	15:08	KT	S	CONC
6	ICSAB4.0	Q101200	QTESTNAK	10/12/00	15:16	KT	S	CONC
7	TEST-CRI-R-5	Q101200	QTESTNAK	10/12/00	15:27	KT	S	CONC
8	TEST-CRI	Q101200	QTESTNAK	10/12/00	15:37	KT	S	CONC
9	DLRXCB-0283479	Q101200	QTESTNAK	10/12/00	15:45	KT	S	CONC
10	DKK9K	Q101200	QTESTNAK	10/12/00	15:51	KT	S	CONC
11	DLP5C 3X	Q101200	QTESTNAK	10/12/00	15:59	KT	S	CONC
12	DLP5F 3X	Q101200	QTESTNAK	10/12/00	16:04	KT	S	CONC
13	DLP5G 3X	Q101200	QTESTNAK	10/12/00	16:13	KT	S	CONC
14	DLP5J 3X	Q101200	QTESTNAK	10/12/00	16:21	KT	S	CONC
15	DLPXD	Q101200	QTESTNAK	10/12/00	16:29	KT	S	CONC
16	CCVT	Q101200	QTESTNAK	10/12/00	16:39	KT	S	CONC
17	CCBT	Q101200	QTESTNAK	10/12/00	16:49	KT	Q	CONC
18	DLW13BT-0284498	Q101200	QTESTNAK	10/12/00	16:55	KT	S	CONC
19	DLW13CT	Q101200	QTESTNAK	10/12/00	17:03	KT	S	CONC
20	DLPDAT	Q101200	QTESTNAK	10/12/00	17:11	KT	S	CONC
21	DLKF1T	Q101200	QTESTNAK	10/12/00	17:19	KT	S	CONC
22	DLKF1PT	Q101200	QTESTNAK	10/12/00	17:27	KT	S	CONC
23	DLKF1ST	Q101200	QTESTNAK	10/12/00	17:33	KT	S	CONC
24	DLKF1DT	Q101200	QTESTNAK	10/12/00	17:41	KT	S	CONC
25	DLW13CT 5X	Q101200	QTESTNAK	10/12/00	17:49	KT	S	CONC
26	DLKF1ST 5X	Q101200	QTESTNAK	10/12/00	17:57	KT	S	CONC
27	DLKF1DT 5X	Q101200	QTESTNAK	10/12/00	18:05	KT	S	CONC
28	CCVT	Q101200	QTESTNAK	10/12/00	18:13	KT	S	CONC
29	CCBT	Q101200	QTESTNAK	10/12/00	18:21	KT	Q	CONC
30	DM22KB-0286389 10X	Q101200	QTESTNAK	10/12/00	18:27	KT	S	CONC
31	DM22KC 10X	Q101200	QTESTNAK	10/12/00	18:35	KT	S	CONC
32	DLPCM 10X	Q101200	QTESTNAK	10/12/00	18:43	KT	S	CONC
33	DLPCMP 10X	Q101200	QTESTNAK	10/12/00	18:51	KT	S	CONC
34	DLPCMS 10X	Q101200	QTESTNAK	10/12/00	18:59	KT	S	CONC
35	DLPCMD 10X	Q101200	QTESTNAK	10/12/00	19:07	KT	S	CONC
36	DLPCMX 10X	Q101200	QTESTNAK	10/12/00	19:15	KT	S	CONC
37	DLPCT 10X	Q101200	QTESTNAK	10/12/00	19:23	KT	S	CONC
38	DLPCV 10X	Q101200	QTESTNAK	10/12/00	19:31	KT	S	CONC
39	DLPCX 10X	Q101200	QTESTNAK	10/12/00	19:39	KT	S	CONC
40	CCVT	Q101200	QTESTNAK	10/12/00	19:47	KT	S	CONC
41	CCBT	Q101200	QTESTNAK	10/12/00	19:57	KT	Q	CONC
42	DLPD2 10X	Q101200	QTESTNAK	10/12/00	20:03	KT	S	CONC
43	DLPD3 10X	Q101200	QTESTNAK	10/12/00	20:11	KT	S	CONC
44	DLPD6 10X	Q101200	QTESTNAK	10/12/00	20:19	KT	S	CONC
45	DLPD8 10X	Q101200	QTESTNAK	10/12/00	20:27	KT	S	CONC
46	DLPD9 10X	Q101200	QTESTNAK	10/12/00	20:35	KT	S	CONC
47	DLPDC 10X	Q101200	QTESTNAK	10/12/00	20:43	KT	S	CONC
48	DLPDF 10X	Q101200	QTESTNAK	10/12/00	20:51	KT	S	CONC
49	DLX20B-0285275	Q101200	QTESTNAK	10/12/00	20:59	KT	S	CONC
50	DLX20C	Q101200	QTESTNAK	10/12/00	21:05	KT	S	CONC
51	DLTAM	Q101200	QTESTNAK	10/12/00	21:13	KT	S	CONC
52	CCVT	Q101200	QTESTNAK	10/12/00	21:26	KT	S	CONC
53	CCBT.	Q101200	QTESTNAK	10/12/00	21:34	KT	Q	CONC

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
54	DLW1T	Q101200	QTESTNAK	10/12/00	21:39	KT	S	CONC
55	DLW1TP	Q101200	QTESTNAK	10/12/00	21:48	KT	S	CONC
56	DLW1TS	Q101200	QTESTNAK	10/12/00	21:53	KT	S	CONC
57	DLW1TD	Q101200	QTESTNAK	10/12/00	22:01	KT	S	CONC
58	DLW2E	Q101200	QTESTNAK	10/12/00	22:09	KT	S	CONC
59	DLW2F	Q101200	QTESTNAK	10/12/00	22:18	KT	S	CONC
60	DLW33	Q101200	QTESTNAK	10/12/00	22:26	KT	S	CONC
61	DLW34	Q101200	QTESTNAK	10/12/00	22:34	KT	S	CONC
62	DLW35	Q101200	QTESTNAK	10/12/00	22:42	KT	S	CONC
63	DLW37	Q101200	QTESTNAK	10/12/00	22:50	KT	S	CONC
64	CCVT	Q101200	QTESTNAK	10/12/00	22:58	KT	S	CONC
65	CCBT.	Q101200	QTESTNAK	10/12/00	23:06	KT	Q	CONC
66	DLW6A	Q101200	QTESTNAK	10/12/00	23:12	KT	S	CONC
67	DLX43B-0285268	Q101200	QTESTNAK	10/12/00	23:20	KT	S	CONC
68	DLX43C	Q101200	QTESTNAK	10/12/00	23:26	KT	S	CONC
69	DLTDE	Q101200	QTESTNAK	10/12/00	23:34	KT	S	CONC
70	DLTDEP	Q101200	QTESTNAK	10/12/00	23:42	KT	S	CONC
71	DLTDES	Q101200	QTESTNAK	10/12/00	23:50	KT	S	CONC
72	DLTDED	Q101200	QTESTNAK	10/12/00	23:58	KT	S	CONC
73	DLW4A	Q101200	QTESTNAK	10/13/00	00:06	KT	S	CONC
74	DLW4C	Q101200	QTESTNAK	10/13/00	00:14	KT	S	CONC
75	CCVT	Q101200	QTESTNAK	10/13/00	00:22	KT	S	CONC
76	CCBT.	Q101200	QTESTNAK	10/13/00	00:30	KT	Q	CONC
7	DLVHNB-0284380	Q101200	QTESTNAK	10/13/00	00:36	KT	S	CONC
8	DLVHNC	Q101200	QTESTNAK	10/13/00	00:42	KT	S	CONC
79	DLP38	Q101200	QTESTNAK	10/13/00	00:50	KT	S	CONC
80	DLP38P	Q101200	QTESTNAK	10/13/00	00:58	KT	S	CONC
81	DLP38S	Q101200	QTESTNAK	10/13/00	01:06	KT	S	CONC
82	DLP38D	Q101200	QTESTNAK	10/13/00	01:14	KT	S	CONC
83	DLP4X	Q101200	QTESTNAK	10/13/00	01:22	KT	S	CONC
84	DLP5E	Q101200	QTESTNAK	10/13/00	01:30	KT	S	CONC
85	DLP5K	Q101200	QTESTNAK	10/13/00	01:40	KT	S	CONC
86	DLP5N	Q101200	QTESTNAK	10/13/00	01:48	KT	S	CONC
87	CCVT	Q101200	QTESTNAK	10/13/00	01:56	KT	S	CONC
88	CCBT'	Q101200	QTESTNAK	10/13/00	02:04	KT	Q	CONC
89	DLP60	Q101200	QTESTNAK	10/13/00	02:10	KT	S	CONC
90	DLP65	Q101200	QTESTNAK	10/13/00	02:16	KT	S	CONC
91	DLP69	Q101200	QTESTNAK	10/13/00	02:22	KT	S	CONC
92	DLP6N	Q101200	QTESTNAK	10/13/00	02:30	KT	S	CONC
93	DLP75	Q101200	QTESTNAK	10/13/00	02:38	KT	S	CONC
94	DLQ13	Q101200	QTESTNAK	10/13/00	02:46	KT	S	CONC
95	DLQ17	Q101200	QTESTNAK	10/13/00	02:54	KT	S	CONC
96	DLQ1A	Q101200	QTESTNAK	10/13/00	03:02	KT	S	CONC
97	DLQ1F	Q101200	QTESTNAK	10/13/00	03:10	KT	S	CONC
98	DLQ1H	Q101200	QTESTNAK	10/13/00	03:18	KT	S	CONC
99	CCVT	Q101200	QTESTNAK	10/13/00	03:26	KT	S	CONC
100	CCBT'	Q101200	QTESTNAK	10/13/00	03:34	KT	Q	CONC
101	DLQ1K	Q101200	QTESTNAK	10/13/00	03:40	KT	S	CONC
102	DLQ1M	Q101200	QTESTNAK	10/13/00	03:48	KT	S	CONC
3	DLQ1R	Q101200	QTESTNAK	10/13/00	03:54	KT	S	CONC
104	DLTC8	Q101200	QTESTNAK	10/13/00	04:02	KT	S	CONC
105	DLX2CB-0285258	Q101200	QTESTNAK	10/13/00	04:08	KT	S	CONC
106	DLX2CC	Q101200	QTESTNAK	10/13/00	04:14	KT	S	CONC
107	DLTCA	Q101200	QTESTNAK	10/13/00	04:22	KT	S	CONC

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
108	DLTCAP	Q101200	QTESTNAK	10/13/00	04:30	KT	S	CONC
109	DLTCAS	Q101200	QTESTNAK	10/13/00	04:38	KT	S	CONC
110	DLTCAD	Q101200	QTESTNAK	10/13/00	04:48	KT	S	CONC
111	CCVT	Q101200	QTESTNAK	10/13/00	04:56	KT	S	CONC
112	CCBT'	Q101200	QTESTNAK	10/13/00	05:04	KT	Q	CONC
113	DLTCE	Q101200	QTESTNAK	10/13/00	05:10	KT	S	CONC
114	DLTCF	Q101200	QTESTNAK	10/13/00	05:18	KT	S	CONC
115	DLTCG	Q101200	QTESTNAK	10/13/00	05:26	KT	S	CONC
116	DLTCH	Q101200	QTESTNAK	10/13/00	05:35	KT	S	CONC
117	DLTCK	Q101200	QTESTNAK	10/13/00	05:43	KT	S	CONC
118	DLTCL	Q101200	QTESTNAK	10/13/00	05:49	KT	S	CONC
119	DLTCM	Q101200	QTESTNAK	10/13/00	05:57	KT	S	CONC
120	DLTCN	Q101200	QTESTNAK	10/13/00	06:05	KT	S	CONC
121	DLTCP	Q101200	QTESTNAK	10/13/00	06:13	KT	S	CONC
122	DLTCQ	Q101200	QTESTNAK	10/13/00	06:21	KT	S	CONC
123	CCVT	Q101200	QTESTNAK	10/13/00	06:29	KT	S	CONC
124	CCBT,	Q101200	QTESTNAK	10/13/00	06:37	KT	Q	CONC
125	DLTCR	Q101200	QTESTNAK	10/13/00	06:43	KT	S	CONC
126	DLTCT	Q101200	QTESTNAK	10/13/00	06:51	KT	S	CONC
127	DLTCW	Q101200	QTESTNAK	10/13/00	06:59	KT	S	CONC
128	DLTCX	Q101200	QTESTNAK	10/13/00	07:05	KT	S	CONC
129	DLTD1	Q101200	QTESTNAK	10/13/00	07:15	KT	S	CONC
130	DLTD5	Q101200	QTESTNAK	10/13/00	07:23	KT	S	CONC
131	DLTD7	Q101200	QTESTNAK	10/13/00	07:31	KT	S	CONC
132	DLTD9	Q101200	QTESTNAK	10/13/00	07:39	KT	S	CONC
133	DLTDC	Q101200	QTESTNAK	10/13/00	07:47	KT	S	CONC
134	CCVT	Q101200	QTESTNAK	10/13/00	07:55	KT	S	CONC
135	CCBT,	Q101200	QTESTNAK	10/13/00	08:03	KT	Q	CONC

Method: QTESTNAK Standard: STDBLK
In Time: 10/12/00 14:41:29

Elem	Al3082	As1890	Ba4934	Be3130	Cd_tr	Ca3179	Cr_tr
Avge	.07959	-.01898	.00032	-.00064	.01991	.00193	.00466
SDev	.00046	.00062	.00000	.00001	.00574	.00002	.00027
%RSD	.58085	3.2443	.84768	.84768	28.841	.84768	5.7231
#1	.07926	-.01941	.00032	-.00065	.01585	.00194	.00485
#2	.07991	-.01854	.00032	-.00064	.02397	.00192	.00448

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Mo2020	Ni2316
Avge	.00000	.00900	-.00016	.00113	.00032	.00032	.00032
SDev	.00000	.00008	.00023	.00024	.00000	.00000	.00000
%RSD	.00000	.84767	141.42	21.033	.84768	.84768	.84768
#1	.00000	.00906	-.00032	.00129	.00032	.00032	.00032
#2	.00000	.00895	.00000	.00096	.00032	.00032	.00032

Elem	Ag_tr	Na3302	Tl1908	Ti3349	V_2924	Zn2138	Sn1899
Avge	-.00096	-.00177	-.03244	-.00096	.00000	.00096	-.00080
SDev	.00001	.00024	.00973	.00001	.00000	.00001	.00022
%RSD	.84768	13.697	29.996	.84768	.00000	.84768	27.470
#1	-.00097	-.00194	-.02556	-.00097	.00000	.00097	-.00065
#2	-.00096	-.00160	-.03932	-.00096	.00000	.00096	-.00096

Elem	2068_1	2068_2	2203_1	2203_2	1960_1	1960_2	B_2496
Avge	-.00176	.00354	.06238	.00142	-.00981	.00836	.0000
SDev	.00158	.00003	.00007	.00567	.00122	.00038	.0000
%RSD	89.489	.84768	.11871	398.63	12.433	4.5927	.0000
#1	-.00065	.00356	.06244	-.00259	-.01068	.00809	.0000
#2	-.00288	.00352	.06233	.00543	-.00895	.00863	.0000

Elem	Sr4215	Si2881
Avge	.0003	.0551
SDev	.0000	.0002
%RSD	.8477	.4354
#1	.0003	.0553
#2	.0003	.0550

ntStd	1	2	3	4	5	6	7
ode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6220	--	--	--	--	--	--
SDev	52.72192	--	--	--	--	--	--
%RSD	.8476793	--	--	--	--	--	--
#1	6182	--	--	--	--	--	--
#2	6257	--	--	--	--	--	--

Method: QTESTNAK Standard: STD1
n Time: 10/12/00 14:47:50

Elem	Al3082	As1890	Ba4934	Be3130	Cd_tr	Ca3179	Cr_tr
Avge	16.802	2.4200	3.9016	7.4895	19.740	2.8659	9.4665
SDev	.020	.0278	.0428	.0604	.258	.0280	.1154
%RSD	.11844	1.1496	1.0970	.80591	1.3094	.97566	1.2190
#1	16.816	2.4397	3.9318	7.4468	19.923	2.8462	9.5481
#2	16.788	2.4003	3.8713	7.5321	19.557	2.8857	9.3849

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Mo2020	Ni2316
Avge	1.3237	3.3344	3.8026	23.979	4.0525	.51837	1.4124
SDev	.0156	.0136	.0323	.249	.0446	.00059	.0128
%RSD	1.1814	.40885	.84888	1.0386	1.1008	.11315	.90722
#1	1.3348	3.3440	3.7798	24.155	4.0840	.51796	1.4214
#2	1.3126	3.3247	3.8255	23.803	4.0209	.51879	1.4033

Elem	Ag_tr	Na3302	Tl1908	Ti3349	V_2924	Zn2138	Sn1899
Avge	6.4703	4.0148	2.6866	2.3948	1.9918	1.2123	.21108
SDev	.0054	.0048	.0249	.0069	.0118	.0128	.00302
%RSD	.08311	.12004	.92836	.28717	.59412	1.0594	1.4301
#1	6.4665	4.0114	2.7042	2.3899	1.9834	1.2214	.21322
#2	6.4741	4.0182	2.6689	2.3997	2.0002	1.2032	.20895

Elem	2068_1	2068_2	2203_1	2203_2	1960_1	1960_2	B_2496
Avge	1.5049	.73390	5.9786	2.5671	.31985	.42321	.6695
SDev	.0437	.00092	.0191	.0703	.00224	.00848	.0073
%RSD	2.9038	.12501	.31957	2.7384	.70009	2.0039	1.091
#1	1.5358	.73325	5.9921	2.6168	.31826	.42921	.6747
#2	1.4740	.73455	5.9650	2.5174	.32143	.41721	.6643

Elem	Sr4215	Si2881
Avge	7.955	1.573
SDev	.093	.004
%RSD	1.169	.2569
#1	8.021	1.575
#2	7.889	1.570

ntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	5818	--	--	--	--	--	--
SDev	69.80573	--	--	--	--	--	--
%RSD	1.199791	--	--	--	--	--	--
#1	5769	--	--	--	--	--	--
#2	5868	--	--	--	--	--	--

Standardization Report 10/12/00 02:53:42 PM page 1

Method: QTESTNAK Slope = Conc(SIR)/IR

ement	Wavelen	High std	Low std	Slope	Y-intercept	Date Standardized
Pb2203	220.353	NONE	NONE	.000000	.000000	*NOT STANDARDIZED
Se1960	196.026	NONE	NONE	.000000	.000000	*NOT STANDARDIZED
Sb2068	206.838	NONE	NONE	.000000	.000000	*NOT STANDARDIZED
Al3082	308.215	STD1	STDBLK	2.99797	-.238596	10/12/00 02:47:50
As1890	189.042	STD1	STDBLK	.410715	.007793	10/12/00 02:47:50
Ba4934	493.409	STD1	STDBLK	1.02531	-.000330	10/12/00 02:47:50
Be3130	313.042	STD1	STDBLK	.534381	.000344	10/12/00 02:47:50
Cd_tr	226.502	STD1	STDBLK	.051134	-.001018	10/12/00 02:47:50
Ca3179	317.933	STD1	STDBLK	69.8390	-.134752	10/12/00 02:47:50
Cr_tr	267.716	STD1	STDBLK	.422838	-.001972	10/12/00 02:47:50
Co2286	228.616	STD1	STDBLK	3.02975	.000000	10/12/00 02:47:50
Cu3247	324.753	STD1	STDBLK	1.20255	-.010828	10/12/00 02:47:50
Fe2714	271.441	STD1	STDBLK	13.2582	.002145	10/12/00 02:47:50
Mg2790	279.078	STD1	STDBLK	8.33591	-.009390	10/12/00 02:47:50
Mn2576	257.610	STD1	STDBLK	.987125	-.000317	10/12/00 02:47:50
Mo2020	202.030	STD1	STDBLK	7.71149	-.002480	10/12/00 02:47:50
Ni2316	231.604	STD1	STDBLK	2.83275	-.000911	10/12/00 02:47:50
Ag_tr	328.068	STD1	STDBLK	.309262	.000298	10/12/00 02:47:50
Na3302	330.232	STD1	STDBLK	.952877	.013449	10/12/00 02:47:50
Tl1908	190.864	STD1	STDBLK	.740539	.024021	10/12/00 02:47:50
Ti3349	334.941	STD1	STDBLK	1.66999	.001611	10/12/00 02:47:50
V_2924	292.402	STD1	STDBLK	2.00952	.000000	10/12/00 02:47:50
Zn2138	213.856	STD1	STDBLK	3.32545	-.003208	10/12/00 02:47:50
Sn1899	189.989	STD1	STDBLK	18.8939	.015171	10/12/00 02:47:50
68_1	206.831	STD1	STDBLK	.641512	.001130	10/12/00 02:47:50
2068_2	206.832	STD1	STDBLK	1.35349	-.004788	10/12/00 02:47:50
2203_1	220.351	STD1	STDBLK	.171884	-.010723	10/12/00 02:47:50
2203_2	220.352	STD1	STDBLK	.386617	-.000550	10/12/00 02:47:50
1960_1	196.021	STD1	STDBLK	3.03990	.029830	10/12/00 02:47:50
1960_2	196.022	STD1	STDBLK	2.34827	-.019629	10/12/00 02:47:50
B_2496	249.678	STD1	STDBLK	5.97461	.000000	10/12/00 02:47:50
Sr4215	421.552	STD1	STDBLK	.502851	-.000162	10/12/00 02:47:50
Si2881	288.158	STD1	STDBLK	2.63615	-.145383	10/12/00 02:47:50

Analysis Report 10/12/00 03:00:09 PM page 1

Method: QTESTNAK Sample Name: ICVHP Operator: KT
Run Time: 10/12/00 14:54:18
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.96921	.96749	.98548	9.9189	.99212	1.0042	1.0412
SDev	.00322	.00703	.00183	.0132	.00880	.0000	.0008
%RSD	.33232	.72642	.18610	.13271	.88732	.00451	.07468
#1	.96693	.96252	.98418	9.9095	.98589	1.0042	1.0418
#2	.97149	.97246	.98678	9.9282	.99834	1.0042	1.0407
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	1.0081	41.269	1.0250	1.0047	.97508	10.448	39.482
SDev	.0005	.006	.0018	.0039	.00055	.030	.019
%RSD	.04798	.01375	.17771	.38675	.05630	.29135	.04766
#1	1.0077	41.273	1.0237	1.0020	.97469	10.470	39.469
#2	1.0084	41.265	1.0262	1.0075	.97547	10.427	39.495
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	1.0382	.99000	1.0237	.39126	38.390	5.0154	1.0400
SDev	.0010	.00188	.0011	.00002	.146	.0105	.0006
%RSD	.09385	.18954	.10567	.00541	.38121	.20993	.05314
#1	1.0375	.98868	1.0245	.39127	38.286	5.0228	1.0396
#2	1.0388	.99133	1.0230	.39124	38.493	5.0079	1.0404
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	1.0276	1.0183	.96387	.98280	.99084	.97922	.96422
SDev	.0001	.0013	.01033	.00405	.00261	.00274	.00346
%RSD	.01116	.13135	1.0714	.41234	.26339	.27979	.35896
#1	1.0275	1.0174	.97118	.97994	.99269	.97728	.96178
#2	1.0276	1.0193	.95657	.98567	.98900	.98116	.96667
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	.97447	.96400	.9719	1.017	L.8395
SDev	.00160	.01134	.0025	.000	.0029
%RSD	.16445	1.1760	.2562	.0359	.3436
#1	.97561	.95598	.9701	1.017	L.8416
#2	.97334	.97201	.9736	1.017	L.8375
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	6129	--	--	--	--	--	--
SDev	10.38045	--	--	--	--	--	--
%RSD	.1693612	--	--	--	--	--	--
#1	6122	--	--	--	--	--	--
#2	6137	--	--	--	--	--	--

Analysis Report 10/12/00 03:08:11 PM page 1

Method: QTESTNAK Sample Name: ICB Operator: KT
Run Time: 10/12/00 15:02:21
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00094	.00327	-.00058	.00534	-.00091	-.00000	.00000
SDev	.00142	.00284	.00066	.00198	.00112	.00000	.00000
%RSD	150.15	86.943	113.42	37.044	123.04	12.806	24.028
#1	-.00006	H.00528	-.00012	.00673	-.00170	-.00000	.00000
#2	.00194	.00126	-.00105	.00394	-.00012	-.00000	.00000
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.00500	.06000	.20000	.01000	.02000	.00500
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00026	.01096	-.00028	.00000	.00056	-.00850	-.00268
SDev	.00006	.01589	.00010	.00000	.00027	.00301	.00192
%RSD	23.049	144.98	34.804	17.392	48.361	35.403	71.751
#1	.00021	-.00028	-.00021	.00000	.00075	-.00637	-.00132
#2	.00030	.02219	-.00034	.00000	.00037	-.01062	-.00404
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	.00016	.00123	-.00091	.00030	.13410	.00120	-.00053
SDev	.00022	.00175	.00129	.00014	.01046	.00134	.00000
%RSD	141.91	142.03	141.18	47.085	7.8033	111.10	.09285
#1	.00032	.00247	-.00182	.00020	.14149	.00026	-.00053
#2	-.00000	-.00001	-.00000	.00040	.12670	.00215	-.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	.00000	-.00000	.00001	.00021	-.00217	-.00030	.00156
SDev	.00000	.00000	.00429	.00221	.00245	.00320	.00053
%RSD	63.137	141.42	42638.	1062.2	112.69	1084.4	33.654
#1	.00000	-.00000	.00304	.00177	-.00390	-.00256	.00119
#2	.00000	-.00000	-.00302	-.00136	-.00044	.00197	.00193
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	-.00822	.00901	<.0000	<.0000	.0052
SDev	.00001	.00426	.0014	.0000	.0000
%RSD	.10827	47.269	141.4	12.81	.6928
#1	-.00822	.01202	.0000	<.0000	.0052
#2	-.00823	.00600	<.0000	<.0000	.0053
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	6231	--	--	--	--	--	--
SDev	1.499149	--	--	--	--	--	--
%RSD	.0240594	--	--	--	--	--	--
#1	6232	--	--	--	--	--	--
#2	6230	--	--	--	--	--	--

Analysis Report 10/12/00 03:14:05 PM page 1

Method: QTESTNAK Sample Name: ICSA Operator: KT
Run Time: 10/12/00 15:08:15
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00243	-.00054	-.00199	495.66	-.00125	.00077	-.00004
SDev	.00122	.00986	.00047	3.10	.00121	.00000	.00000
%RSD	50.453	1812.2	23.421	.62637	96.410	.38472	2.8104
#1	-.00156	-.00752	-.00166	497.86	-.00040	.00077	-.00004
#2	-.00329	.00643	-.00232	493.47	-.00211	.00076	-.00004
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	-.00000	494.74	-.00280	.00037	-.00061	198.97	491.25
SDev	.00074	.43	.00040	.00001	.00001	.03	1.28
%RSD	25980.	.08771	14.307	1.6964	1.1388	.01549	.26103
#1	.00052	495.05	-.00251	.00037	-.00061	198.95	492.15
#2	-.00052	494.43	-.00308	.00036	-.00062	199.00	490.34
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.01000	600.00	.02000	.05000	.02500	240.00	600.00
Low	-.01000	400.00	-.02000	-.05000	-.02500	160.00	400.00

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00330	-.00160	-.00041	-.00036	-.08558	.00108	-.00077
SDev	.00024	.00005	.00071	.00000	.00927	.00063	.00001
%RSD	7.2776	3.4160	174.66	.49803	10.831	58.356	.84552
#1	-.00313	-.00164	-.00091	-.00036	-.07903	.00152	-.00077
#2	-.00347	-.00157	.00010	-.00036	-.09213	.00063	-.00076
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	-.00005	-.00082	-.00081	-.00207	-.00185	.01745	-.01235
SDev	.00002	.00012	.00481	.00083	.00307	.00167	.00267
%RSD	35.159	14.973	596.45	40.419	166.04	9.5953	21.638
#1	-.00003	-.00073	-.00421	-.00266	.00032	.01626	-.01046
#2	-.00006	-.00090	.00260	-.00148	-.00403	.01863	-.01424
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	-.00343	.00090	.0064	.0151	.0142
SDev	.01154	.00903	.0030	.0000	.0031
%RSD	336.36	1006.8	46.90	.2718	21.73
#1	-.01159	-.00549	.0043	.0151	.0164
#2	.00473	.00728	.0085	.0150	.0120
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	5617	--	--	--	--	--	--
SDev	15.10405	--	--	--	--	--	--
%RSD	.2689027	--	--	--	--	--	--
#1	5606	--	--	--	--	--	--
#2	5628	--	--	--	--	--	--

Analysis Report 10/12/00 03:22:07 PM page 1

Method: QTESTNAK Sample Name: ICSAB4.0 Operator: KT
n Time: 10/12/00 15:16:16
mment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05224	.05475	.64403	519.16	.11136	.54081	.54400
SDev	.00006	.00790	.01266	4.43	.00016	.00034	.00027
%RSD	.11349	14.432	1.9658	.85234	.14264	.06267	.04897
#1	.05228	H.06034	.63508	522.29	.11125	.54105	.54381
#2	.05220	.04916	.65299	516.03	.11147	.54057	.54419
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	1.0232	515.25	.51513	.52479	.57602	207.77	513.86
SDev	.0019	.20	.00084	.00067	.00451	.31	.09
%RSD	.18279	.03954	.16384	.12823	.78224	.15048	.01813
#1	1.0218	515.11	.51453	.52432	.57921	208.00	513.92
#2	1.0245	515.39	.51572	.52527	.57283	207.55	513.79
rrors	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	.52630	1.0584	1.0318	.22395	H13.552	.11454	-.00118
SDev	.00118	.0145	.0029	.00033	.148	.00187	.00043
%RSD	.22478	1.3669	.28184	.14652	1.0907	1.6308	36.237
#1	.52547	1.0481	1.0339	.22418	H13.657	.11322	-.00088
#2	.52714	1.0686	1.0298	.22372	H13.448	.11587	-.00149
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	.51856	1.0944	.00197	.64317	.64576	.07424	.04125
SDev	.00043	.0006	.00946	.01889	.00019	.00166	.00074
%RSD	.08257	.05585	480.24	2.9367	.02878	2.2338	1.7916
#1	.51826	1.0940	.00866	.62982	.64563	.07542	.04073
#2	.51886	1.0949	-.00472	.65653	.64589	.07307	.04178
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	.05978	.05224	.0096	.0158	.0084
SDev	.00769	.00801	.0015	.0000	.0016
%RSD	12.860	15.330	15.44	.2747	18.84
#1	.06521	.05791	.0106	.0158	.0095
#2	.05434	.04658	.0085	.0158	.0073
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	5606	--	--	--	--	--	--
SDev	15.24526	--	--	--	--	--	--
%RSD	.2719213	--	--	--	--	--	--
#1	5617	--	--	--	--	--	--
#2	5596	--	--	--	--	--	--

Analysis Report 10/12/00 03:33:01 PM page 1

Method: QTESTNAK Sample Name: TEST-CRI Operator: KT
Run Time: 10/12/00 15:27:10
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L.00269	L-.00056	L.00184	L.01969	L-.00066	L.00034	L.00017
SDev	.00003	.00061	.00073	.00343	.00186	.00000	.00000
%RSD	1.2327	107.84	39.498	17.434	279.58	1.0208	.34661
#1	L.00267	L-.00099	L.00236	L.02212	L.00065	L.00034	L.00017
#2	L.00271	L-.00013	L.00133	L.01727	L-.00198	L.00034	L.00017
Errors	LC Low	LC Low	LC Low	LC Low	LC Low	LC Low	LC Low
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	L.00031	L.17349	L.00135	L.00000	L.00097	L.01946	L.00974
SDev	.00044	.01455	.00060	.00000	.00006	.00603	.00010
%RSD	140.24	8.3854	44.775	187.76	6.3014	31.013	1.0694
#1	L.00000	L.16320	L.00177	L.00000	L.00101	L.01519	L.00981
#2	L.00063	L.18378	L.00092	L-.00000	L.00093	L.02372	L.00966
Errors	LC Low	LC Low	LC Low	LC Low	LC Low	LC Low	LC Low
High	.00500	12.500	.01250	.12500	.06250	.25000	12.500
Low	.00300	7.5000	.00750	.07500	.03750	.15000	7.5000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L.00065	L.00257	L.00002	L.00045	.55158	L.00210	-.00030
SDev	.00046	.00003	.00001	.00021	.11219	.00405	.00040
%RSD	70.775	.99625	31.407	47.793	20.339	192.71	131.45
#1	L.00098	L.00258	L.00002	L.00060	.63091	L-.00076	-.00058
#2	L.00033	L.00255	L.00001	L.00030	.47225	L.00497	-.00002
Errors	LC Low	LC Low	LC Low	LC Low	NOCHECK	LC Low	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	L.00033	L.00983	L.00281	.00283	-.00012	.00374	.00217
SDev	.00046	.00007	.00006	.00030	.00159	.00399	.00204
%RSD	140.82	.70974	2.2691	10.606	1279.7	106.66	94.277
#1	L.00000	L.00988	L.00277	.00304	.00100	.00656	.00072
#2	L.00066	L.00978	L.00286	.00262	-.00125	.00092	.00361
Errors	LC Low	LC Low	LC Low	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.12500	.05000	.25000				
Low	.07500	.03000	.15000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	-.01390	.00610	L.0000	L.0002	L.0287
SDev	.00118	.00150	.0000	.0000	.0021
%RSD	8.4803	24.568	.5188	1.021	7.385
#1	-.01307	.00504	L.0000	L.0002	L.0302
#2	-.01474	.00716	L.0000	L.0002	L.0272
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	6117	--	--	--	--	--	--
SDev	31.73487	--	--	--	--	--	--
%RSD	.5188251	--	--	--	--	--	--
#1	6094	--	--	--	--	--	--
#2	6139	--	--	--	--	--	--

Method: QTESTNAK Sample Name: TEST-CRI Operator: KT
Run Time: 10/12/00 15:37:07
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00461	.01035	.01592	.37171	.01844	.01992	.01007
SDev	.00173	.00086	.00048	.00781	.00350	.00015	.00019
%RSD	37.541	8.3039	3.0421	2.1019	18.986	.74235	1.8987
#1	L.00338	.00974	.01626	.37723	.02091	.02003	.01020
#2	.00583	.01096	.01558	.36618	.01596	.01982	.00993
Errors	LC Pass	LC Pass	LC Pass	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	.00377	10.143	.00994	.09698	.04796	.20962	9.5283
SDev	.00040	.107	.00001	.00003	.00016	.00740	.0697
%RSD	10.760	1.0501	.08243	.02665	.32871	3.5292	.73130
#1	.00405	10.218	.00993	.09700	.04807	.20439	9.5776
#2	.00348	10.068	.00994	.09696	.04785	.21485	9.4790
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	12.500	.01250	.12500	.06250	.25000	12.500
Low	.00300	7.5000	.00750	.07500	.03750	.15000	7.5000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03113	.07739	.07940	.00993	9.6249	.02010	-.00052
SDev	.00023	.00232	.00059	.00021	.0021	.00186	.00002
%RSD	.73771	2.9971	.73864	2.1118	.02231	9.2571	2.9935
#1	.03129	.07903	.07982	.01008	9.6265	.01879	-.00053
#2	.03097	.07575	.07899	.00978	9.6234	.02142	-.00051
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	.09958	.04034	L.00612	.01492	.01791	.00463	.00459
SDev	.00118	.00043	.00432	.00109	.00073	.00030	.00275
%RSD	1.1860	1.0627	70.656	7.3260	4.1042	6.5944	59.756
#1	.10042	.04004	L.00306	.01569	.01740	.00485	.00265
#2	.09875	.04065	L.00917	.01415	.01843	.00442	.00654
Errors	LC Pass	LC Pass	LC Low	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.12500	.05000	.25000				
Low	.07500	.03000	.15000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.00847	.01129	L.0009	L.0000	L.0142
SDev	.00121	.00189	.0013	.0000	.0012
%RSD	14.319	16.784	141.4	77.14	8.220
#1	.00933	.00995	L.0000	L.0000	L.0150
#2	.00762	.01263	L.0019	L.0000	L.0134
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	6278	--	--	--	--	--	--
SDev	45.84869	--	--	--	--	--	--
%RSD	.7302631	--	--	--	--	--	--
#1	6246	--	--	--	--	--	--
#2	6311	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLRXCB-0283479 Operator: KT
Run Time: 10/12/00 15:45:09
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00315	.00280	-.00151	.00481	-.00497	.00034	.00017
SDev	.00090	.00108	.00252	.00035	.00004	.00000	.00000
%RSD	28.557	38.733	167.00	7.2582	.83573	.84509	.73111
#1	.00379	.00357	-.00330	.00505	-.00494	.00034	.00017
#2	.00252	.00203	.00027	.00456	-.00500	.00034	.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	.00021	.18343	.00078	.00000	.00150	.01292	.00960
SDev	.00023	.00136	.00001	.00000	.00033	.00301	.00002
%RSD	109.39	.74148	1.3853	121.59	22.012	23.269	.23458
#1	.00005	.18439	.00079	.00000	.00173	.01079	.00962
#2	.00037	.18247	.00077	.00000	.00127	.01504	.00959
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	.00002	.00001	.00035	.51134	.00064	-.00056
SDev	.00000	.00354	.00130	.00021	.01740	.00147	.00076
%RSD	.63754	15140.	16034.	61.252	3.4033	228.54	135.28
#1	.00065	-.00248	-.00091	.00050	.49904	-.00040	-.00002
#2	.00064	.00253	.00093	.00020	.52365	.00168	-.00110
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	.00977	.00594	-.00218	-.00017	.00628	.00159
SDev	.00046	.00006	.00439	.00300	.00156	.00159	.00214
%RSD	140.65	.63427	73.870	137.73	919.61	25.314	134.59
#1	.00065	.00982	.00284	-.00431	-.00127	.00515	.00311
#2	.00000	.00973	.00904	-.00006	.00093	.00740	.00008
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	-.01122	.00980	<.0000	.0002	.0301
SDev	.00192	.00067	.0014	.0000	.0038
%RSD	17.143	6.7907	141.4	.8451	12.59
#1	-.00986	.01027	.0000	.0002	.0327
#2	-.01258	.00933	<.0000	.0002	.0274
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	6146	--	--	--	--	--	--
SDev	26.27620	--	--	--	--	--	--
%RSD	.4275403	--	--	--	--	--	--
#1	6127	--	--	--	--	--	--
#2	6164	--	--	--	--	--	--

Analysis Report 10/12/00 03:56:53 PM page 1

Method: QTESTNAK Sample Name: DKK9K Operator: KT
Run Time: 10/12/00 15:51:02
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.21412	.00529	-.00009	2.5077	-.00394	.19295	.00017
SDev	.00204	.00206	.00096	.0044	.00233	.00016	.00000
%RSD	.95523	39.003	1029.8	.17445	59.143	.08104	.91061
#1	.21556	.00383	-.00078	2.5046	-.00559	.19306	.00016
#2	.21267	.00675	.00059	2.5108	-.00229	.19284	.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	.00101	11.257	.00721	.02808	.05962	24.128	32.703
SDev	.00027	.001	.00005	.00016	.00016	.006	.041
%RSD	26.804	.00515	.72088	.57492	.26172	.02550	.12601
#1	.00121	11.257	.00725	.02819	.05951	24.132	32.732
#2	.00082	11.257	.00718	.02796	.05973	24.124	32.674
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.8800	-.00005	.24215	.00004	4.0812	-.00485	.09035
SDev	.0002	.00354	.00268	.00021	.0125	.00547	.00012
%RSD	.01054	6686.5	1.1084	504.34	.30717	112.76	.13365
#1	1.8799	-.00256	.24405	.00019	4.0901	-.00871	.09044
#2	1.8802	.00245	.24025	-.00011	4.0724	-.00098	.09027
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	.00609	.30173	-.00397	.00016	-.00060	.22000	.21118
SDev	.00050	.00023	.00879	.00036	.00218	.00283	.00166
%RSD	8.1931	.07500	221.44	224.75	362.19	1.2845	.78396
#1	.00644	.30189	-.01018	-.00009	-.00214	.22200	.21235
#2	.00573	.30157	.00225	.00041	.00094	.21800	.21001
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	-.00561	.01073	.0136	.0688	12.99
SDev	.00329	.00474	.0001	.0002	.02
%RSD	58.706	44.145	.5686	.2340	.1343
#1	-.00328	.00738	.0136	.0689	13.01
#2	-.00794	.01408	.0135	.0687	12.98
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6154	--	--	--	--	--	--
SDev	34.98763	--	--	--	--	--	--
%RSD	.5685625	--	--	--	--	--	--
#1	6129	--	--	--	--	--	--
#2	6178	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLP5C 3X Operator: KT
Run Time: 10/12/00 15:59:04
mment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00261	L-.00581	-.00012	.43555	.00335	.12647	.00013
SDev	.00177	.00068	.00058	.00673	.00309	.00019	.00000
%RSD	67.656	11.680	488.63	1.5458	92.119	.15028	.74678
#1	.00386	L-.00629	-.00053	.44031	.00117	.12660	.00012
#2	.00136	L-.00533	.00029	.43079	.00554	.12633	.00013
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	-.00012	70.304	.00771	.00116	.15340	4.2301	11.388
SDev	.00037	.028	.00006	.00001	.00066	.0298	.002
%RSD	304.84	.04032	.79976	.62820	.43219	.70334	.01557
#1	.00014	70.284	.00767	.00117	.15387	4.2511	11.387
#2	-.00038	70.324	.00775	.00115	.15293	4.2091	11.389
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	.07433	.01045	.07777	.00035	2454.3	.00910	.00567
SDev	.00017	.00008	.00033	.00027	5.1	.00119	.00003
%RSD	.23542	.76277	.42363	75.539	.20807	13.016	.43971
#1	.07445	.01051	.07753	.00016	2458.0	.00994	.00569
#2	.07421	.01040	.07800	.00054	2450.7	.00826	.00565
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	.00273	.10206	.00736	-.00106	.00178	.00264	.00259
SDev	.00056	.00126	.01088	.00321	.00470	.00215	.00157
%RSD	20.507	1.2333	147.88	301.88	264.53	81.342	60.682
#1	.00233	.10117	-.00034	-.00334	.00510	.00417	.00370
#2	.00312	.10295	.01505	.00121	-.00155	.00112	.00148
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	.00087	-.00914	.0497	.4797	3.286
SDev	.00592	.00397	.0014	.0008	.005
%RSD	678.57	43.468	2.836	.1629	.1577
#1	.00506	-.01195	.0487	.4802	3.290
#2	-.00332	-.00633	.0507	.4791	3.283
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4933	--	--	--	--	--	--
SDev	30.26438	--	--	--	--	--	--
%RSD	.6135633	--	--	--	--	--	--
#1	4911	--	--	--	--	--	--
#2	4954	--	--	--	--	--	--

Analysis Report 10/12/00 04:10:49 PM page 1

Method: QTESTNAK Sample Name: DLP5F 3X Operator: KT
Run Time: 10/12/00 16:04:58
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00007	-.00251	-.00157	.41067	.00952	.11739	.00034
SDev	.00234	.00596	.00035	.00436	.00048	.00043	.00000
%RSD	3145.4	237.61	22.150	1.0628	5.0023	.36562	.00078
#1	-.00173	.00171	-.00132	.41376	.00986	.11709	.00034
#2	.00158	L-.00672	-.00181	.40759	.00918	.11770	.00034
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	.00015	62.473	.00683	.00118	.11606	3.1684	10.785
SDev	.00023	.034	.00075	.00000	.00018	.0071	.019
%RSD	157.77	.05480	10.905	.11674	.15131	.22415	.17382
#1	-.00002	62.449	.00736	.00118	.11618	3.1633	10.771
#2	.00031	62.497	.00631	.00118	.11593	3.1734	10.798
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	.06502	.00729	.06622	.00042	2432.2	.00880	.00502
SDev	.00009	.00001	.00173	.00036	2.4	.00126	.00001
%RSD	.13937	.16992	2.6124	85.665	.09877	14.325	.09098
#1	.06509	.00730	.06745	.00067	2433.9	.00969	.00502
#2	.06496	.00728	.06500	.00016	2430.5	.00791	.00502
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	.00319	.07667	.00737	-.00132	-.00206	.00149	-.00086
SDev	.00001	.00085	.01091	.00247	.00391	.00366	.00168
%RSD	.14923	1.1148	148.02	187.39	189.76	245.42	195.81
#1	.00320	.07606	.01508	.00043	-.00483	-.00110	-.00204
#2	.00319	.07727	-.00034	-.00307	.00070	.00408	.00033
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	.00002	-.00377	.0513	.4382	3.056
SDev	.00698	.00544	.0001	.0013	.010
%RSD	42044.	144.52	.1387	.2923	.3282
#1	.00496	.00008	.0513	.4373	3.049
#2	-.00492	-.00762	.0512	.4391	3.063
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4895	--	--	--	--	--	--
SDev	6.788294	--	--	--	--	--	--
%RSD	.1386849	--	--	--	--	--	--
#1	4890	--	--	--	--	--	--
#2	4900	--	--	--	--	--	--

Analysis Report 10/12/00 04:18:50 PM page 1

Method: QTESTNAK Sample Name: DLP5G 3X Operator: KT
Run Time: 10/12/00 16:13:00
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00820	-.00363	.00025	1.1264	.01193	.21115	.00034
SDev	.00008	.00095	.00007	.0001	.00424	.00037	.00000
%RSD	.96299	26.038	27.439	.00656	35.533	.17671	.19874
#1	.00825	-.00296	.00020	1.1264	.00893	.21088	.00034
#2	.00814	-.00430	.00030	1.1263	.01492	.21141	.00034
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	.00064	62.143	.01522	.00108	.14014	8.0977	10.534
SDev	.00028	.044	.00007	.00001	.00057	.0004	.017
%RSD	43.391	.07032	.43185	.61227	.41054	.00485	.16497
#1	.00083	62.112	.01526	.00108	.14055	8.0980	10.522
#2	.00044	62.173	.01517	.00107	.13974	8.0975	10.546
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	.10911	.00931	.07284	.00022	2411.2	.00637	.02878
SDev	.00043	.00218	.00028	.00009	.2	.00461	.00086
%RSD	.39819	23.367	.38621	39.800	.01037	72.399	2.9781
#1	.10880	.00777	.07304	.00029	2411.0	.00964	.02818
#2	.10942	.01085	.07264	.00016	2411.3	.00311	.02939
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	.00547	.20865	.01879	.00119	-.00162	.00382	.01038
SDev	.00113	.00110	.00545	.00127	.00233	.00060	.00018
%RSD	20.756	.52792	29.007	106.91	144.30	15.748	1.7540
#1	.00466	.20787	.02264	.00029	.00003	.00425	.01026
#2	.00627	.20943	.01493	.00208	-.00327	.00340	.01051
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	.00013	-.00551	.0535	.4365	5.638
SDev	.00536	.00409	.0002	.0008	.011
%RSD	4012.4	74.280	.3814	.1818	.1871
#1	-.00366	-.00262	.0536	.4359	5.630
#2	.00392	-.00840	.0533	.4370	5.645
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4916	--	--	--	--	--	--
SDev	18.75249	--	--	--	--	--	--
%RSD	.3814412	--	--	--	--	--	--
#1	4903	--	--	--	--	--	--
#2	4929	--	--	--	--	--	--

Analysis Report 10/12/00 04:26:52 PM page 1

Method: QTESTNAK Sample Name: DLP5J 3X Operator: KT
Run Time: 10/12/00 16:21:02
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00230	-.00031	-.00040	.37783	.00635	.11164	.00013
SDev	.00080	.00336	.00088	.00541	.00256	.00037	.00000
%RSD	34.666	1076.4	220.04	1.4323	40.350	.33135	.38724
#1	-.00287	-.00269	.00022	.38166	.00454	.11190	.00013
#2	-.00174	.00206	-.00102	.37400	.00816	.11138	.00013
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	-.00024	58.755	.00589	.00117	.08908	2.5688	9.8928
SDev	.00011	.042	.00039	.00000	.00001	.0215	.0163
%RSD	43.683	.07232	6.5479	.35456	.01379	.83814	.16464
#1	-.00032	58.725	.00616	.00117	.08907	2.5536	9.9043
#2	-.00017	58.785	.00562	.00116	.08909	2.5840	9.8813
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	.05951	.00704	.05461	.00023	2404.4	.01021	.00495
SDev	.00008	.00439	.00018	.00026	2.4	.00172	.00001
%RSD	.13709	62.361	.33589	113.96	.10144	16.846	.22123
#1	.05945	.01015	.05474	.00042	2406.2	.00900	.00496
#2	.05956	.00394	.05448	.00004	2402.7	.01143	.00494
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	.00314	.07183	.00372	-.00090	.00060	-.00576	-.00057
SDev	.00001	.00025	.02676	.00129	.00005	.00022	.00108
%RSD	.43194	.35310	720.02	143.26	8.5449	3.8958	189.06
#1	.00315	.07201	-.01520	.00001	.00064	-.00592	-.00134
#2	.00313	.07165	.02264	-.00181	.00057	-.00560	.00019
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	.00306	-.00200	.0502	.4080	2.932
SDev	.00353	.00328	.0002	.0005	.006
%RSD	115.13	163.98	.3304	.1213	.1941
#1	.00057	-.00431	.0503	.4083	2.936
#2	.00556	.00032	.0501	.4076	2.928
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	5000	--	--	--	--	--	--
SDev	16.51792	--	--	--	--	--	--
%RSD	.3303742	--	--	--	--	--	--
#1	4988	--	--	--	--	--	--
#2	5011	--	--	--	--	--	--

Analysis Report 10/12/00 04:34:54 PM page 1

Method: QTESTNAK Sample Name: DLPXD Operator: KT
Run Time: 10/12/00 16:29:03
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00135	-.00229	-.00243	-.01266	.00027	.00018	-.00001
SDev	.00172	.00115	.00055	.00281	.00044	.00024	.00000
%RSD	127.93	50.139	22.691	22.174	161.01	135.36	19.916
#1	.00013	-.00148	-.00281	-.01068	.00058	.00035	-.00001
#2	.00257	-.00310	-.00204	-.01465	-.00004	.00001	-.00001
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00018	.11915	.00068	-.00050	.00231	.57401	.01952
SDev	.00022	.00156	.00018	.00071	.00064	.00036	.00210
%RSD	121.84	1.3068	26.580	139.77	27.831	.06271	10.740
#1	.00002	.12026	.00056	-.00001	.00276	.57427	.02100
#2	.00033	.11805	.00081	-.00100	.00186	.57376	.01804
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	.00392	.00140	.00377	.00009	.74335	.00319	-.00004
SDev	.00003	.00178	.00003	.00015	.04811	.00004	.00001
%RSD	.66284	127.44	.76140	156.69	6.4715	1.2876	22.526
#1	.00394	.00014	.00379	-.00001	.77737	.00322	-.00005
#2	.00391	.00265	.00375	.00020	.70934	.00316	-.00004
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	.00031	.00217	-.00982	-.00392	.00057	.00360	.00022
SDev	.00047	.00003	.00015	.00011	.00188	.00030	.00244
%RSD	148.85	1.5174	1.5601	2.8560	326.80	8.1941	1091.3
#1	-.00002	.00219	-.00993	-.00384	-.00075	.00339	-.00150
#2	.00065	.00214	-.00971	-.00400	.00190	.00381	.00195
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	-.01238	.00275	.0000	.0006	.0676
SDev	.00452	.00398	.0000	.0001	.0032
%RSD	36.515	144.69	.0000	19.28	4.663
#1	-.01558	.00556	.0000	.0005	.0699
#2	-.00918	-.00006	.0000	.0007	.0654
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6051	--	--	--	--	--	--
SDev	37.10930	--	--	--	--	--	--
%RSD	.6132389	--	--	--	--	--	--
#1	6025	--	--	--	--	--	--
#2	6078	--	--	--	--	--	--

Analysis Report 10/12/00 04:45:00 PM page 1

Method: QTESTNAK Sample Name: CCVT Operator: KT
Run Time: 10/12/00 16:39:10
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49070	.49219	.48664	24.419	.49780	2.0075	2.0878
SDev	.00022	.00164	.00265	.084	.00743	.0048	.0007
%RSD	.04571	.33266	.54361	.34306	1.4935	.24051	.03339
#1	.49055	.49103	.48851	24.478	.50306	2.0109	2.0883
#2	.49086	.49335	.48477	24.360	.49255	2.0041	2.0873
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	.51456	104.33	2.0549	2.0301	1.9488	26.080	99.916
SDev	.00171	.05	.0009	.0003	.0056	.008	.198
%RSD	.33176	.04334	.04471	.01472	.28737	.02898	.19785
#1	.51577	104.30	2.0542	2.0299	1.9528	26.074	100.06
#2	.51336	104.36	2.0555	2.0303	1.9449	26.085	99.776
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	2.0548	2.0021	2.0412	.99291	49.238	.97738	2.0623
SDev	.0021	.0236	.0052	.00214	.199	.00623	.0021
%RSD	.10224	1.1789	.25416	.21552	.40396	.63733	.10150
#1	2.0563	1.9854	2.0449	.99442	49.378	.97298	2.0638
#2	2.0533	2.0188	2.0376	.99139	49.097	.98179	2.0608
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	2.0607	2.0419	1.9884	.48262	.49470	.49891	.48661
SDev	.0018	.0014	.0162	.00257	.00280	.00087	.00077
%RSD	.08952	.06785	.81606	.53192	.56645	.17376	.15805
#1	2.0620	2.0409	1.9999	.48444	.49668	.49953	.48606
#2	2.0594	2.0429	1.9770	.48081	.49272	.49830	.48715
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	.50263	.48698	1.997	2.040	1.965
SDev	.00005	.00248	.004	.004	.006
%RSD	.00958	.50902	.1883	.2148	.2962
#1	.50266	.48522	1.994	2.043	1.960
#2	.50260	.48873	1.999	2.037	1.969
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	6113	--	--	--	--	--	--
SDev	9.645033	--	--	--	--	--	--
%RSD	.1577754	--	--	--	--	--	--
#1	6106	--	--	--	--	--	--
#2	6120	--	--	--	--	--	--

Analysis Report QC Standard 10/12/00 04:55:08 PM page 1

Method: QTESTNAK Sample Name: CCBT Operator: KT
Run Time: 10/12/00 16:49:17
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00021	.00067	-.00425	-.04323	-.00536	-.00001	.00001
SDev	.00012	.00469	.00036	.00168	.00483	.00000	.00000
%RSD	56.844	703.24	8.4198	3.8774	90.203	9.2884	13.412
#1	.00029	.00398	-.00450	-.04442	-.00194	-.00001	.00001
#2	.00012	-.00265	-.00400	-.04205	-.00878	-.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	.00013	.01952	-.00030	-.00048	.00132	.00427	-.00540
SDev	.00009	.00027	.00010	.00068	.00002	.01485	.00187
%RSD	62.945	1.3945	32.070	141.90	1.5913	348.18	34.615
#1	.00019	.01972	-.00023	.00000	.00133	-.00624	-.00408
#2	.00007	.01933	-.00037	-.00095	.00130	.01477	-.00673
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00001	.00239	-.00136	.00010	.19985	.00299	-.00050
SDev	.00000	.00001	.00063	.00028	.03954	.00236	.00000
%RSD	9.2884	.29741	46.589	266.46	19.783	78.771	.75408
#1	-.00001	.00239	-.00181	.00030	.17190	.00133	-.00050
#2	-.00001	.00238	-.00091	-.00009	.22781	.00466	-.00049
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.01500	.04000	.04000	.01000	5.0000	.01000	.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	-.00032	-.00058	.00325	-.00431	-.00413	-.00230	.00146
SDev	.00045	.00075	.00002	.00142	.00393	.00086	.00025
%RSD	142.25	129.07	.63628	33.035	94.976	37.371	17.413
#1	.00000	-.00005	.00323	-.00330	-.00691	-.00169	.00128
#2	-.00063	-.00112	.00326	-.00531	-.00136	-.00291	.00164
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	-.00471	.00335	.0000	<.0000	.0056
SDev	.00277	.00842	.0000	.0000	.0003
%RSD	58.935	251.26	.0000	.0000	5.733
#1	-.00667	.00930	.0000	<.0000	.0054
#2	-.00275	-.00260	.0000	<.0000	.0058
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	6338	--	--	--	--	--	--
SDev	11.20081	--	--	--	--	--	--
%RSD	.1767335	--	--	--	--	--	--
#1	6330	--	--	--	--	--	--
#2	6346	--	--	--	--	--	--

Analysis Report 10/12/00 11:04:01 PM page 1

Method: QTESTNAK Sample Name: CCVT Operator: KT
Run Time: 10/12/00 22:58:10
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.48954	.48760	.48151	23.866	.48778	1.9752	2.1226
SDev	.00171	.00541	.00080	.083	.00041	.0046	.0000
%RSD	.34892	1.1090	.16628	.34624	.08417	.23440	.00048
#1	.49075	.49143	.48207	23.924	.48749	1.9785	2.1226
#2	.48833	.48378	.48094	23.807	.48807	1.9720	2.1226
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	.51090	105.50	2.0850	2.0415	1.9146	26.236	99.594
SDev	.00308	.20	.0045	.0057	.0034	.016	.324
%RSD	.60352	.18575	.21362	.28086	.17582	.06069	.32561
#1	.51308	105.64	2.0881	2.0455	1.9169	26.247	99.824
#2	.50872	105.36	2.0819	2.0374	1.9122	26.225	99.365
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	2.0686	1.9995	2.0372	.99855	47.914	.97564	2.0998
SDev	.0046	.0234	.0096	.00129	.195	.00025	.0006
%RSD	.22439	1.1713	.47000	.12891	.40660	.02534	.02685
#1	2.0719	1.9829	2.0440	.99946	48.052	.97547	2.1002
#2	2.0653	2.0160	2.0304	.99763	47.776	.97582	2.0994
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	2.0927	2.0596	1.9655	.47845	.48763	.49883	.48490
SDev	.0019	.0043	.0126	.00054	.00133	.00492	.00011
%RSD	.09139	.20935	.63885	.11237	.27223	.98523	.02211
#1	2.0941	2.0626	1.9566	.47883	.48856	.50231	.48498
#2	2.0914	2.0565	1.9744	.47807	.48669	.49536	.48482
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	.48946	.48667	1.989	2.038	1.944
SDev	.01161	.00231	.004	.005	.009
%RSD	2.3723	.47466	.1773	.2690	.4516
#1	.49767	.48831	1.991	2.042	1.951
#2	.48125	.48504	1.986	2.034	1.938
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	6156	--	--	--	--	--	--
SDev	15.16067	--	--	--	--	--	--
%RSD	.2462812	--	--	--	--	--	--
#1	6145	--	--	--	--	--	--
#2	6167	--	--	--	--	--	--

Analysis Report QC Standard 10/12/00 11:12:03 PM page 1

Method: QTESTNAK Sample Name: CCBT. Operator: KT
Run Time: 10/12/00 23:06:12
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00029	.00209	-.00323	-.11677	.00151	-.00001	.00001
SDev	.00111	.00307	.00085	.00114	.00321	.00000	.00000
%RSD	381.71	146.62	26.197	.97538	212.32	8.5600	12.051
#1	-.00107	.00426	-.00383	-.11758	-.00076	-.00001	.00001
#2	.00049	-.00008	-.00263	-.11597	.00379	-.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	.00047	.04126	.00016	-.00048	.00186	.00218	.00376
SDev	.00008	.00031	.00019	.00068	.00029	.00005	.00005
%RSD	17.465	.75769	119.46	141.81	15.563	2.0915	1.3813
#1	.00053	.04148	.00030	-.00095	.00207	.00221	.00379
#2	.00041	.04104	.00003	.00000	.00166	.00215	.00372
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00001	.00117	-.00046	.00001	.31554	.00233	-.00049
SDev	.00000	.00172	.00063	.00000	.00929	.00392	.00000
%RSD	8.5600	147.88	136.12	8.2836	2.9449	168.55	.76683
#1	-.00001	.00239	-.00002	.00001	.30897	.00510	-.00050
#2	-.00001	-.00005	-.00091	.00001	.32211	-.00045	-.00049
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.01500	.04000	.04000	.01000	5.0000	.01000	.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.00032	-.00007	.00625	-.00459	-.00052	-.00267	.00090
SDev	.00045	.00000	.00419	.00098	.00058	.00402	.00035
%RSD	141.29	1.8713	67.103	21.310	113.04	150.81	38.806
#1	.00064	-.00007	.00921	-.00528	-.00093	-.00551	.00114
#2	.00000	-.00007	.00328	-.00390	-.00010	.00018	.00065
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.00000	.00000	.00000				
Range	.05000	.02000	.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

001205

Units			ppm	ppm	ppm
Avge	-.00034	.00331	.0000	<.0000	.0008
SDev	.00344	.00632	.0000	.0002	.0014
%RSD	1007.0	190.98	.0000	7258.	183.2
#1	-.00277	.00777	.0000	.0002	.0018
#2	.00209	-.00116	.0000	<.0000	<.0000
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value			.0000	.0000	.0000
Range			.2000	.0500	.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6348	--	--	--	--	--	--
SDev	11.28540	--	--	--	--	--	--
%RSD	.1777648	--	--	--	--	--	--
#1	6341	--	--	--	--	--	--
#2	6356	--	--	--	--	--	--

Analysis Report 10/12/00 11:17:58 PM page 1

Method: QTESTNAK Sample Name: DLW6A Operator: KT
Run Time: 10/12/00 23:12:07
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00029	.00214	-.00381	-.03855	-.00460	.00161	.00009
SDev	.00025	.00073	.00009	.00211	.00105	.00001	.00012
%RSD	86.128	34.234	2.4839	5.4687	22.796	.46670	129.12
#1	-.00011	.00266	-.00388	-.03706	-.00386	.00161	.00017
#2	-.00047	.00162	-.00375	-.04004	-.00534	.00160	.00001
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00004	.22789	.00295	-.00050	.01040	.80330	.04176
SDev	.00005	.01414	.00002	.00068	.00008	.01454	.00166
%RSD	120.93	6.2038	.63070	136.45	.78438	1.8106	3.9649
#1	.00001	.21789	.00297	-.00097	.01045	.79301	.04059
#2	.00008	.23789	.00294	-.00002	.01034	.81358	.04293
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	.00621	.00246	.00087	.00054	.69017	-.00313	.00424
SDev	.00003	.00002	.00125	.00020	.08520	.00670	.00001
%RSD	.40703	.70569	144.18	38.001	12.345	214.09	.24000
#1	.00622	.00247	-.00002	.00040	.62992	-.00786	.00425
#2	.00619	.00244	.00176	.00069	.75042	.00161	.00423
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	.00061	.01076	.00624	-.00492	-.00160	-.00243	.00078
SDev	.00000	.00080	.00417	.00000	.00029	.00263	.00094
%RSD	.47308	7.4717	66.855	.04347	18.043	108.34	120.80
#1	.00061	.01133	.00919	-.00492	-.00181	-.00057	.00011
#2	.00061	.01020	.00329	-.00492	-.00140	-.00429	.00144
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	.00064	.00289	.0009	.0015	.1500
SDev	.00214	.00217	.0013	.0001	.0023
%RSD	332.95	75.009	141.4	7.888	1.545
#1	-.00087	.00443	.0000	.0016	.1516
#2	.00216	.00136	.0019	.0014	.1483
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6355	--	--	--	--	--	--
SDev	24.60718	--	--	--	--	--	--
%RSD	.3872268	--	--	--	--	--	--
#1	6337	--	--	--	--	--	--
#2	6372	--	--	--	--	--	--

Analysis Report 10/12/00 11:26:00 PM page 1

Method: QTESTNAK Sample Name: DLX43B-0285268 Operator: KT
Run Time: 10/12/00 23:20:09
nment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00170	-.00134	.00012	-.10178	.00039	.00049	-.00000
SDev	.00011	.00229	.00261	.00084	.00453	.00024	.00000
%RSD	6.6081	170.46	2167.3	.82196	1174.5	48.103	1152.2
#1	.00177	.00028	.00196	-.10119	-.00281	.00066	-.00000
#2	.00162	-.00296	-.00172	-.10237	.00359	.00033	.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	.00063	.04484	.00129	-.00049	.00328	.00431	.00405
SDev	.00005	.00110	.00021	.00069	.00036	.00308	.00008
%RSD	7.7050	2.4486	16.398	141.77	10.961	71.538	1.9437
#1	.00060	.04562	.00144	-.00098	.00354	.00649	.00411
#2	.00067	.04407	.00114	.00000	.00303	.00213	.00399
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	.00016	.00248	-.00000	.00040	.72408	-.00325	-.00054
SDev	.00022	.00003	.00001	.00028	.07334	.00504	.00001
%RSD	140.31	1.2357	1481.4	70.731	10.128	155.30	2.4561
#1	.00000	.00250	.00000	.00060	.77594	-.00682	-.00055
#2	.00031	.00246	-.00000	.00020	.67222	.00032	-.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	.00065	.00213	.00000	-.00103	.00241	.00348	.00081
SDev	.00000	.00003	.00420	.00220	.00343	.00067	.00017
%RSD	.60022	1.5617	151620.	214.56	141.92	19.334	20.818
#1	.00065	.00215	.00297	.00053	.00484	.00395	.00069
#2	.00064	.00211	-.00297	-.00258	-.00001	.00300	.00092
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	-.01461	.00528	<.0000	<.0000	.0203
SDev	.00871	.00091	.0000	.0000	.0028
%RSD	59.643	17.322	.6114	1481.	13.85
#1	-.00845	.00463	<.0000	.0000	.0223
#2	-.02076	.00592	<.0000	<.0000	.0183
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	6222	--	--	--	--	--	--
SDev	38.04255	--	--	--	--	--	--
%RSD	.6114181	--	--	--	--	--	--
#1	6195	--	--	--	--	--	--
#2	6249	--	--	--	--	--	--

Analysis Report 10/12/00 11:31:54 PM

Method: QTESTNAK Sample Name: DLX43C Operator: KT
Run Time: 10/12/00 23:26:04
mment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.46817	1.7240	.46849	1.7900	1.8258	1.9627	.05235
SDev	.00178	.0031	.00098	.0061	.0042	.0009	.00015
%RSD	.38036	.17734	.21005	.33813	.23220	.04513	.28753
#1	.46691	1.7262	.46780	1.7943	1.8228	1.9634	.05224
#2	.46943	1.7218	.46919	1.7858	1.8288	1.9621	.05245
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	.05144	51.903	.20859	.51122	.24178	1.0217	48.144
SDev	.00015	.094	.00048	.00060	.00085	.0010	.066
%RSD	.28554	.18052	.22851	.11706	.35148	.09380	.13684
#1	.05155	51.836	.20825	.51164	.24238	1.0224	48.098
#2	.05134	51.969	.20892	.51080	.24118	1.0210	48.191
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.06000	60.000	.24000	.60000	.30000	1.2500	60.000
Low	.04000	40.000	.16000	.40000	.20000	.80000	40.000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.51480	.98796	.50155	.04877	45.657	1.9259	1.0626
SDev	.00095	.00784	.00004	.00004	.018	.0021	.0004
%RSD	.18432	.79348	.00872	.07397	.03913	.10941	.04225
#1	.51413	.98241	.50158	.04879	45.645	1.9244	1.0629
#2	.51547	.99350	.50151	.04874	45.670	1.9274	1.0622
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	.60000	1.2000	.60000	.06000		2.4000	1.2000
Low	.40000	.80000	.40000	.04000		1.6000	.80000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.51778	.49788	1.9270	.46490	.47568	.48010	.46222
SDev	.00125	.00209	.0227	.00304	.00313	.00174	.00354
%RSD	.24093	.41895	1.1755	.65349	.65803	.36168	.76516
#1	.51690	.49640	1.9110	.46276	.47789	.48133	.45972
#2	.51867	.49935	1.9431	.46705	.47347	.47887	.46472
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	1.7151	1.7285	.8863	.9447	6.107
SDev	.0056	.0018	.0003	.0003	.018
%RSD	.32604	.10367	.0374	.0292	.2914
#1	1.7190	1.7297	.8865	.9445	6.094
#2	1.7111	1.7272	.8860	.9449	6.119
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	NOCHECK
High			1.200	1.200	
Low			.8000	.8000	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6027	--	--	--	--	--	--
SDev	40.39002	--	--	--	--	--	--
%RSD	.6701736	--	--	--	--	--	--
#1	5998	--	--	--	--	--	--
#2	6055	--	--	--	--	--	--

Analysis Report 10/12/00 11:39:57 PM page 1

Method: QTESTNAK Sample Name: DLTDE Operator: KT
Run Time: 10/12/00 23:34:06
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04716	.00288	-.00502	163.68	.03097	1.0950	.00482
SDev	.00134	.00294	.00158	.39	.00176	.0019	.00002
%RSD	2.8395	102.34	31.473	.23724	5.6682	.17397	.34228
#1	.04621	.00496	-.00614	163.40	.03221	1.0937	.00483
#2	.04811	.00079	-.00391	163.95	.02973	1.0964	.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	.00004	45.035	.23931	.09520	.13486	220.47	50.480
SDev	.00003	.122	.00084	.00087	.00018	.42	.105
%RSD	72.628	.27116	.34877	.90935	.13746	.18940	.20760
#1	.00007	44.949	.23872	.09459	.13499	220.17	50.405
#2	.00002	45.121	.23990	.09581	.13473	220.76	50.554
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	3.4075	.01503	.13659	-.00151	6.3715	.00444	12.596
SDev	.0090	.00006	.00108	.00000	.0031	.00087	.012
%RSD	.26367	.38675	.79022	.27243	.04858	19.658	.09593
#1	3.4011	.01499	.13735	-.00151	6.3737	.00506	12.588
#2	3.4138	.01508	.13583	-.00151	6.3693	.00382	12.605
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	.43026	.44347	.00881	-.00551	-.00404	.06525	.03813
SDev	.00067	.00195	.00004	.00357	.00240	.00106	.00254
%RSD	.15484	.43931	.45469	64.748	59.359	1.6259	6.6549
#1	.42979	.44209	.00884	-.00804	-.00235	.06600	.03633
#2	.43073	.44485	.00879	-.00299	-.00574	.06450	.03992
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	-.00290	.00576	.0331	.3553	2.406
SDev	.00253	.00315	.0001	.0007	.008
%RSD	87.245	54.705	.3360	.1882	.3123
#1	-.00111	.00799	.0332	.3548	2.400
#2	-.00469	.00353	.0331	.3557	2.411
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6490	--	--	--	--	--	--
SDev	21.80741	--	--	--	--	--	--
%RSD	.3360331	--	--	--	--	--	--
#1	6474	--	--	--	--	--	--
#2	6505	--	--	--	--	--	--

Analysis Report 10/12/00 11:47:59 PM page 1

Method: QTESTNAK Sample Name: DLTDEP Operator: KT
Run Time: 10/12/00 23:42:08
Comment:
Mode: CONC Corr. Factor: 5

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L.05014	L.01808	L-.01621	164.74	L.02009	1.1392	L.00478
SDev	.01148	.00963	.01733	.37	.00865	.0015	.00001
%RSD	22.891	53.276	106.90	.22310	43.047	.13059	.12402
#1	L.04202	L.01127	L-.02847	165.00	L.02621	1.1402	L.00479
#2	L.05825	L.02488	L-.00396	164.48	L.01398	1.1381	L.00478
Errors	LC Low	LC Low	LC Low	LC Pass	LC Low	LC Pass	LC Low
High	55.000	11.000	5.5000	550.00	11.000	11.000	5.5000
Low	.07500	.17000	.10000	.63000	.24500	.01000	.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.00138	47.397	.25026	.09897	.14304	233.07	53.276
SDev	.00200	.189	.00013	.00364	.00090	.33	.114
%RSD	144.98	.39823	.05269	3.6804	.62653	.14165	.21354
#1	L-.00280	47.531	.25036	.10154	.14240	233.30	53.356
#2	L.00003	47.264	.25017	.09639	.14367	232.84	53.195
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	3.6087	L.01723	.14065	L-.00051	7.6170	L.00787	13.243
SDev	.0017	.00865	.00349	.00034	.0673	.02778	.016
%RSD	.04769	50.181	2.4842	66.166	.88343	352.95	.11798
#1	3.6099	L.02335	.14312	L-.00027	7.5694	L.02752	13.254
#2	3.6075	L.01112	.13818	L-.00075	7.6646	L-.01177	13.232
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	.44368	.51755	L-.01139	-.01584	-.01697	.05384	.04829
SDev	.00329	.00247	.02126	.02301	.00595	.02178	.00633
%RSD	.74081	.47686	186.65	145.33	35.067	40.447	13.118
#1	.44601	.51580	L-.02643	-.03211	-.02118	.03844	.04381
#2	.44136	.51929	L.00364	.00044	-.01276	.06924	.05277
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	-.00479	.02949	L.0377	.3696	2.514
SDev	.02409	.00241	.0001	.0008	.022
%RSD	502.79	8.1794	.2306	.2311	.8820
#1	-.02182	.02779	L.0378	.3702	2.530
#2	.01224	.03120	L.0376	.3689	2.498
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	6341	--	--	--	--	--	--
SDev	14.62309	--	--	--	--	--	--
%RSD	.2306241	--	--	--	--	--	--
#1	6330	--	--	--	--	--	--
#2	6351	--	--	--	--	--	--

Analysis Report 10/12/00 11:56:01 PM page 1

Method: QTESTNAK Sample Name: DLTDES Operator: KT
Run Time: 10/12/00 23:50:10
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.46674	1.5962	.17568	211.88	1.6838	2.7735	.05197
SDev	.00344	.0139	.00235	.06	.0089	.0139	.00016
%RSD	.73691	.87025	1.3377	.02867	.52987	.50241	.30619
#1	.46918	1.6060	.17402	211.92	1.6901	2.7833	.05208
#2	.46431	1.5864	.17734	211.84	1.6775	2.7636	.05185
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	.04599	85.717	.43630	.53643	.36113	222.68	93.487
SDev	.00074	.038	.00141	.00165	.00114	.06	.304
%RSD	1.6023	.04449	.32246	.30735	.31501	.02699	.32489
#1	.04651	85.690	.43730	.53759	.36194	222.72	93.702
#2	.04546	85.744	.43531	.53526	.36033	222.64	93.272
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	2.9902	.86131	.57734	.04278	49.995	1.7474	13.804
SDev	.0055	.00106	.00432	.00023	.056	.0218	.016
%RSD	.18438	.12351	.74868	.52985	.11209	1.2482	.11906
#1	2.9941	.86207	.58040	.04294	50.034	1.7629	13.816
#2	2.9863	.86056	.57428	.04262	49.955	1.7320	13.792
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	.90155	.89309	1.6585	.17320	.18063	.49656	.45186
SDev	.00002	.00124	.0046	.00387	.00070	.00500	.00266
%RSD	.00252	.13928	.27808	2.2353	.38634	1.0060	.58925
#1	.90153	.89397	1.6618	.17047	.18113	.50009	.45374
#2	.90157	.89222	1.6553	.17594	.18014	.49302	.44998
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	1.5918	1.5984	.8348	1.191	4.635
SDev	.0110	.0154	.0018	.005	.032
%RSD	.68895	.96038	.2146	.4610	.6984
#1	1.5995	1.6093	.8361	1.195	4.658
#2	1.5840	1.5876	.8336	1.187	4.612
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6398	--	--	--	--	--	--
SDev	33.96944	--	--	--	--	--	--
%RSD	.5309401	--	--	--	--	--	--
#1	6374	--	--	--	--	--	--
#2	6422	--	--	--	--	--	--

Analysis Report 10/13/00 00:04:03 AM page 1

Method: QTESTNAK Sample Name: DLTDED Operator: KT
Run Time: 10/12/00 23:58:13
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.48267	1.7131	.16496	212.47	1.7412	2.8375	.05349
SDev	.00139	.0088	.00228	.55	.0115	.0063	.00019
%RSD	.28795	.51609	1.3833	.25810	.66240	.22143	.35048
#1	.48365	1.7194	.16335	212.86	1.7493	2.8419	.05363
#2	.48168	1.7069	.16657	212.08	1.7330	2.8330	.05336
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	.04697	109.93	.42525	.56559	.36718	229.12	97.582
SDev	.00086	.22	.00243	.00069	.00132	.53	.246
%RSD	1.8296	.19938	.57126	.12264	.36015	.23288	.25170
#1	.04758	110.08	.42697	.56608	.36811	229.49	97.756
#2	.04636	109.77	.42353	.56510	.36624	228.74	97.409
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	3.7248	.86897	.59385	.04371	51.537	1.8015	14.492
SDev	.0091	.00540	.00271	.00002	.187	.0034	.039
%RSD	.24460	.62121	.45676	.04172	.36289	.18694	.26986
#1	3.7313	.86515	.59577	.04372	51.669	1.8039	14.519
#2	3.7184	.87278	.59193	.04370	51.405	1.7992	14.464
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	.91952	.92391	1.6765	.16601	.16286	.50669	.47067
SDev	.00193	.00258	.0100	.00517	.00349	.00208	.00105
%RSD	.20981	.27882	.59608	3.1119	2.1460	.40958	.22258
#1	.92089	.92573	1.6836	.16236	.16533	.50816	.47141
#2	.91816	.92209	1.6694	.16966	.16039	.50522	.46993
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
vge	1.7188	1.7103	.8754	1.250	6.754
SDev	.0033	.0116	.0035	.003	.044
%RSD	.19089	.67926	.3948	.2023	.6541
#1	1.7211	1.7185	.8730	1.252	6.785
#2	1.7165	1.7021	.8778	1.248	6.723
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6463	--	--	--	--	--	--
SDev	22.74066	--	--	--	--	--	--
%RSD	.3518462	--	--	--	--	--	--
#1	6447	--	--	--	--	--	--
#2	6479	--	--	--	--	--	--

Analysis Report 10/13/00 00:12:06 AM page 1

Method: QTESTNAK Sample Name: DLW4A Operator: KT
Run Time: 10/13/00 00:06:15
mment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00405	.00193	.00488	7.9360	.28154	.16749	.00041
SDev	.00180	.00083	.00039	.0327	.00401	.00040	.00014
%RSD	44.568	43.003	8.0105	.41154	1.4246	.23610	33.593
#1	.00277	.00252	.00515	7.9591	.27870	.16777	.00031
#2	.00532	.00134	.00460	7.9129	.28437	.16721	.00051
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00007	64.993	.00764	.00463	.01568	10.013	22.508
SDev	.00003	.161	.00093	.00081	.00017	.035	.105
%RSD	41.342	.24709	12.151	17.556	1.0608	.34521	.46570
#1	-.00009	65.107	.00829	.00521	.01556	10.038	22.582
#2	-.00005	64.880	.00698	.00406	.01579	9.9888	22.434
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	.30570	.00699	.00634	.00010	1607.1	.01180	.59741
SDev	.00092	.00404	.00150	.00008	3.8	.00261	.00113
%RSD	.30162	57.679	23.724	82.893	.23778	22.114	.18870
#1	.30635	.00985	.00740	.00004	1609.8	.01365	.59821
#2	.30504	.00414	.00527	.00016	1604.4	.00996	.59661
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	.04622	.03841	.00770	.00343	.00777	.00340	.00437
SDev	.00026	.00108	.00004	.00019	.00080	.00013	.00277
%RSD	.56097	2.8238	.51695	5.5014	10.229	3.7320	63.371
#1	.04640	.03917	.00767	.00356	.00833	.00349	.00241
#2	.04604	.03764	.00773	.00330	.00721	.00331	.00632
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	.00323	.00128	6.195	.7175	1.744
SDev	.00015	.00132	.009	.0025	.017
%RSD	4.5606	102.79	.1527	.3523	.9488
#1	.00313	.00222	6.202	.7193	1.756
#2	.00334	.00035	6.188	.7158	1.732
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	5474	--	--	--	--	--	--
SDev	30.17944	--	--	--	--	--	--
%RSD	.5513093	--	--	--	--	--	--
#1	5453	--	--	--	--	--	--
#2	5495	--	--	--	--	--	--

Analysis Report 10/13/00 00:20:08 AM page 1

Method: QTESTNAK Sample Name: DLW4C Operator: KT
Run Time: 10/13/00 00:14:17
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00337	.00074	.00472	8.6944	.27481	.20498	.00071
SDev	.00041	.00332	.00050	.0063	.00108	.00044	.00000
%RSD	12.162	446.43	10.512	.07261	.39453	.21227	.31047
#1	.00308	-.00160	.00507	8.6988	.27404	.20467	.00071
#2	.00366	.00309	.00437	8.6899	.27558	.20528	.00071
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	.00088	77.970	.01027	.00640	.02412	10.825	24.158
SDev	.00043	.038	.00061	.00004	.00015	.038	.062
%RSD	48.675	.04856	5.9813	.57228	.64191	.35003	.25842
#1	.00119	77.944	.01070	.00643	.02423	10.852	24.113
#2	.00058	77.997	.00984	.00637	.02401	10.798	24.202
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	.46556	.00726	.00913	.00013	1633.0	.00455	.61867
SDev	.00183	.00411	.00079	.00000	1.1	.00223	.00077
%RSD	.39199	56.672	8.6757	.32378	.06435	49.083	.12402
#1	.46426	.01017	.00970	.00013	1633.8	.00297	.61813
#2	.46685	.00435	.00857	.00014	1632.3	.00612	.61921
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	.04832	.08883	.01808	.00484	.00448	.00591	.00211
SDev	.00031	.00047	.00497	.00000	.00150	.00146	.00011
%RSD	.63957	.52781	27.500	.09140	33.441	24.683	5.3476
#1	.04810	.08850	.01456	.00484	.00554	.00488	.00219
#2	.04853	.08916	.02159	.00484	.00342	.00694	.00203
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.00888	-.00332	6.454	.6877	2.008
SDev	.00231	.00613	.033	.0014	.011
%RSD	26.048	184.71	.5057	.2089	.5254
#1	.01052	-.00765	6.431	.6867	2.000
#2	.00724	.00102	6.478	.6887	2.015
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	5359	--	--	--	--	--	--
SDev	23.95704	--	--	--	--	--	--
%RSD	.4470782	--	--	--	--	--	--
#1	5342	--	--	--	--	--	--
#2	5376	--	--	--	--	--	--

Analysis Report 10/13/00 00:28:10 AM page 1

Method: QTESTNAK Sample Name: CCVT Operator: KT
Run Time: 10/13/00 00:22:20
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.48152	.48642	.48077	23.958	.48025	1.9952	2.0746
SDev	.00338	.00772	.00125	.227	.00320	.0109	.0144
%RSD	.70303	1.5869	.26052	.94819	.66722	.54690	.69548
#1	.48392	.49188	.48166	24.119	.48252	2.0029	2.0848
#2	.47913	.48096	.47989	23.798	.47799	1.9875	2.0644
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	.49978	102.70	2.0481	2.0114	1.9387	25.759	99.836
SDev	.00213	.72	.0079	.0073	.0155	.195	.481
%RSD	.42637	.69768	.38737	.36359	.79859	.75826	.48223
#1	.50129	103.21	2.0537	2.0165	1.9496	25.897	100.18
#2	.49828	102.20	2.0425	2.0062	1.9277	25.621	99.496
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	2.0398	1.9782	2.0111	.99630	48.244	.97647	2.0822
SDev	.0076	.0062	.0086	.00732	.395	.00125	.0147
%RSD	.37471	.31230	.42872	.73451	.81878	.12841	.70644
#1	2.0452	1.9738	2.0172	1.0015	48.523	.97559	2.0926
#2	2.0344	1.9826	2.0050	.99113	47.965	.97736	2.0718
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	2.0675	2.0313	1.9288	.47776	.48680	.48955	.47751
SDev	.0186	.0059	.0196	.00015	.00406	.00117	.00449
%RSD	.90031	.28958	1.0179	.03168	.83493	.23956	.94026
#1	2.0807	2.0354	1.9427	.47765	.48968	.49038	.48069
#2	2.0544	2.0271	1.9150	.47787	.48393	.48872	.47434
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	2.2000	2.2000	2.2000				
Low	1.8000	1.8000	1.8000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
vge	.49327	.48300	1.965	2.045	1.922
SDev	.00868	.00724	.006	.011	.005
%RSD	1.7604	1.4984	.3291	.5317	.2571
#1	.49941	.48812	1.970	2.053	1.925
#2	.48713	.47788	1.961	2.038	1.918
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			2.200	2.200	2.200
Low			1.800	1.800	1.800

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6008	--	--	--	--	--	--
SDev	19.77068	--	--	--	--	--	--
%RSD	.3290977	--	--	--	--	--	--
#1	5994	--	--	--	--	--	--
#2	6022	--	--	--	--	--	--

Analysis Report QC Standard 10/13/00 00:36:13 AM page 1

Method: QTESTNAK Sample Name: CCBT. Operator: KT
Run Time: 10/13/00 00:30:22
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00046	-.00078	-.00073	-.10303	-.00047	-.00001	.00009
SDev	.00144	.00094	.00212	.00049	.00188	.00001	.00012
%RSD	310.67	121.14	289.57	.47738	399.03	97.944	139.19
#1	.00056	-.00145	-.00223	-.10268	.00086	-.00001	.00018
#2	-.00148	-.00011	.00077	-.10337	-.00180	-.00000	.00000
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.00500	.06000	.20000	.01000	.02000	.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00023	.03080	-.00003	.00000	.00153	.00002	-.00279
SDev	.00006	.01292	.00006	.00000	.00007	.00301	.00173
%RSD	25.032	41.941	196.67	56.921	4.4394	15900.	61.833
#1	.00028	.03994	.00001	.00000	.00158	.00215	-.00157
#2	.00019	.02167	-.00008	.00000	.00148	-.00211	-.00402
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	-.00016	.00119	-.00180	.00040	.39488	.00285	.00003
SDev	.00022	.00178	.00125	.00028	.00700	.00347	.00003
%RSD	133.79	149.54	69.717	69.836	1.7715	121.50	97.866
#1	-.00001	-.00007	-.00268	.00020	.39983	.00040	.00004
#2	-.00032	.00245	-.00091	.00060	.38994	.00530	.00001
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.01500	.04000	.04000	.01000	5.0000	.01000	.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.00032	-.00058	.00315	-.00086	-.00048	.00050	-.00094
SDev	.00046	.00071	.00865	.00193	.00251	.00051	.00191
%RSD	141.48	121.51	274.38	224.52	523.78	102.08	201.83
#1	-.00000	-.00008	.00927	-.00222	-.00225	.00086	.00040
#2	.00064	-.00108	-.00296	.00051	.00129	.00014	-.00229
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	-.00765	.00265	.0009	<.0000	.0001
SDev	.00211	.00036	.0013	.0000	.0030
%RSD	27.556	13.638	141.4	97.94	2305.
#1	-.00914	.00240	.0019	<.0000	<.0000
#2	-.00616	.00291	.0000	<.0000	.0022
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	6324	--	--	--	--	--	--
SDev	103.0964	--	--	--	--	--	--
%RSD	1.630317	--	--	--	--	--	--
#1	6397	--	--	--	--	--	--
#2	6251	--	--	--	--	--	--

Analysis Report 10/13/00 03:32:38 AM page 1

Method: QTESTNAK Sample Name: CCVT Operator: KT
Run Time: 10/13/00 03:26:47
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.48757	.48410	.48453	24.328	.48885	1.9734	2.0761
SDev	.00496	.00238	.00400	.074	.00240	.0057	.0043
%RSD	1.0184	.49113	.82590	.30433	.49067	.28822	.20745
#1	.49108	.48242	.48736	24.380	.49055	1.9774	2.0791
#2	.48406	.48578	.48170	24.276	.48715	1.9694	2.0730
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	.50676	103.24	2.0354	2.0148	1.9553	25.833	99.459
SDev	.00286	.26	.0046	.0055	.0050	.056	.436
%RSD	.56446	.25611	.22575	.27504	.25604	.21653	.43818
#1	.50878	103.43	2.0386	2.0187	1.9589	25.872	99.767
#2	.50473	103.05	2.0321	2.0109	1.9518	25.793	99.151
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	2.0281	1.9873	2.0280	.99457	49.569	.98122	2.0435
SDev	.0056	.0202	.0049	.00193	.145	.00286	.0037
%RSD	.27395	1.0142	.24029	.19351	.29274	.29182	.18338
#1	2.0320	1.9730	2.0315	.99593	49.672	.97919	2.0462
#2	2.0241	2.0015	2.0246	.99321	49.467	.98324	2.0409
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	2.0510	2.0282	1.9511	.48331	.48697	.49862	.48205
SDev	.0031	.0072	.0134	.00706	.00212	.00441	.00524
%RSD	.14908	.35443	.68560	1.4606	.43587	.88414	1.0877
#1	2.0531	2.0333	1.9606	.48830	.48547	.50174	.48576
#2	2.0488	2.0231	1.9417	.47832	.48847	.49551	.47834
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	.48793	.48219	1.946	2.017	1.941
SDev	.00522	.00096	.009	.007	.006
%RSD	1.0688	.19929	.4528	.3611	.3209
#1	.48424	.48151	1.953	2.022	1.945
#2	.49161	.48287	1.940	2.012	1.936
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	6124	--	--	--	--	--	--
SDev	14.70803	--	--	--	--	--	--
%RSD	.2401860	--	--	--	--	--	--
#1	6113	--	--	--	--	--	--
#2	6134	--	--	--	--	--	--

Analysis Report QC Standard 10/13/00 03:40:41 AM page 1

Method: QTESTNAK Sample Name: CCBT' Operator: KT
Run Time: 10/13/00 03:34:50
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00126	-.00058	-.00270	-.03062	-.00279	-.00001	.00001
SDev	.00036	.00080	.00555	.00168	.00106	.00000	.00000
%RSD	28.431	136.73	205.04	5.4924	38.014	27.989	29.620
#1	-.00101	-.00002	.00122	-.02943	-.00354	-.00000	.00000
#2	-.00151	-.00114	-.00663	-.03181	-.00204	-.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	.00000	.01977	-.00023	.00000	.00095	.00214	-.00144
SDev	.00016	.00075	.00001	.00000	.00006	.00593	.00004
%RSD	74441.	3.8004	3.5731	263.10	6.0238	276.30	2.6282
#1	.00012	.02031	-.00023	-.00000	.00100	.00634	-.00142
#2	-.00012	.01924	-.00024	.00000	.00091	-.00205	-.00147
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00001	.00240	-.00091	.00030	.13543	.00038	.00003
SDev	.00000	.00002	.00127	.00042	.05197	.00144	.00001
%RSD	27.989	1.0147	139.48	138.59	38.375	380.92	27.944
#1	-.00000	.00241	-.00001	.00059	.09868	-.00064	.00002
#2	-.00001	.00238	-.00180	.00001	.17218	.00139	.00003
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.01500	.04000	.04000	.01000	5.0000	.01000	.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.00064	-.00005	.00620	-.00499	.00186	-.00071	-.00153
SDev	.00000	.00001	.00427	.00754	.00154	.00143	.00018
%RSD	.46143	18.310	68.779	151.30	82.900	200.30	11.606
#1	.00064	-.00005	.00319	.00035	.00296	.00030	-.00166
#2	.00063	-.00006	.00922	-.01032	.00077	-.00173	-.00140
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	-.00331	.00078	.0000	<.0000	.0067
SDev	.00324	.00042	.0000	.0001	.0037
%RSD	97.697	54.119	.0000	137.6	55.07
#1	-.00102	.00048	.0000	<.0000	.0093
#2	-.00560	.00108	.0000	<.0000	.0041
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	6327	--	--	--	--	--	--
SDev	30.77330	--	--	--	--	--	--
%RSD	.4863437	--	--	--	--	--	--
#1	6306	--	--	--	--	--	--
#2	6349	--	--	--	--	--	--

Analysis Report 10/13/00 03:46:36 AM page 1

Method: QTESTNAK Sample Name: DLQ1K Operator: KT
Run Time: 10/13/00 03:40:45
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.44328	-.00206	-.00024	179.93	.04296	2.2874	.00659
SDev	.00340	.00231	.00177	1.04	.00411	.0132	.00001
%RSD	.76685	112.58	746.71	.57577	9.5751	.57874	.08892
#1	.44088	-.00042	-.00149	179.20	.04587	2.2781	.00659
#2	.44568	-.00369	.00102	180.66	.04006	2.2968	.00658
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	.00600	204.89	.24504	.12820	.79851	223.96	67.424
SDev	.00014	1.71	.00229	.00052	.00467	1.51	.431
%RSD	2.3671	.83534	.93616	.40820	.58534	.67259	.63924
#1	.00610	203.68	.24341	.12783	.79521	222.90	67.120
#2	.00590	206.10	.24666	.12857	.80182	225.03	67.729
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	7.2887	.00518	.21062	-.00138	7.2160	.00640	5.7740
SDev	.0698	.00337	.00121	.00043	.1200	.00821	.0421
%RSD	.95724	64.954	.57354	31.302	1.6631	128.23	.72907
#1	7.2394	.00756	.20977	-.00107	7.3008	.01220	5.7443
#2	7.3381	.00280	.21148	-.00168	7.1311	.00060	5.8038
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	.46436	1.3235	.00177	-.00103	.00134	.46870	.43059
SDev	.00432	.0121	.00439	.00223	.00085	.00028	.00524
%RSD	.92996	.91504	248.33	217.51	63.631	.05998	1.2162
#1	.46130	1.3150	.00487	-.00261	.00074	.46889	.42689
#2	.46741	1.3321	-.00134	.00055	.00195	.46850	.43429
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	-.00617	-.00000	.0357	.7921	2.021
SDev	.00832	.00068	.0014	.0056	.020
%RSD	134.81	274330.	3.781	.7134	.9993
#1	-.00029	-.00048	.0348	.7881	2.007
#2	-.01206	.00048	.0367	.7961	2.036
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6187	--	--	--	--	--	--
SDev	2.545308	--	--	--	--	--	--
%RSD	.0411407	--	--	--	--	--	--
#1	6185	--	--	--	--	--	--
#2	6189	--	--	--	--	--	--

Analysis Report 10/13/00 03:54:39 AM page 1

Method: QTESTNAK Sample Name: DLQ1M Operator: KT
Run Time: 10/13/00 03:48:48
mment:
..de: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.07827	L-.00729	-.00412	249.60	.05057	2.0449	.00861
SDev	.00333	.00428	.00331	.54	.00774	.0045	.00012
%RSD	4.2542	58.786	80.411	.21730	15.313	.22033	1.3827
#1	.07592	L-.01032	-.00178	249.99	.04509	2.0480	.00869
#2	.08063	-.00426	-.00646	249.22	.05604	2.0417	.00852
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	.00210	130.88	.30420	.13621	.50648	327.45	97.014
SDev	.00032	1.00	.00241	.00097	.00192	1.39	.102
%RSD	15.322	.76580	.79365	.71426	.37810	.42356	.10498
#1	.00233	130.17	.30249	.13690	.50783	326.47	96.942
#2	.00187	131.58	.30590	.13553	.50512	328.43	97.086
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.3099	.00882	.23352	-.00276	7.5262	.00073	14.850
SDev	.0377	.00138	.00048	.00026	.0368	.00385	.028
%RSD	.59790	15.658	.20448	9.4822	.48870	527.82	.18945
#1	6.2832	.00979	.23386	-.00257	7.5523	-.00199	14.830
#2	6.3366	.00784	.23319	-.00294	7.5002	.00345	14.870
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	.63636	.87559	.01083	-.00681	.00128	.09758	.06863
SDev	.00340	.00449	.00909	.00213	.00567	.00220	.00390
%RSD	.53475	.51309	83.933	31.315	444.57	2.2512	5.6760
#1	.63395	.87241	.01725	-.00530	.00529	.09603	.06588
#2	.63876	.87877	.00440	-.00832	-.00273	.09913	.07139
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	-.01136	-.00525	.0437	1.000	5.125
SDev	.00729	.01006	.0022	.001	.019
%RSD	64.129	191.52	5.091	.0873	.3630
#1	-.00621	-.01237	.0421	1.001	5.112
#2	-.01652	.00186	.0452	.9995	5.139
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6018	--	--	--	--	--	--
SDev	80.61018	--	--	--	--	--	--
%RSD	1.339582	--	--	--	--	--	--
#1	5961	--	--	--	--	--	--
#2	6075	--	--	--	--	--	--

Analysis Report 10/13/00 04:00:34 AM page 1

Method: QTESTNAK Sample Name: DLQ1R Operator: KT
Run Time: 10/13/00 03:54:43
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03391	-.00275	.00139	98.107	.05804	.89772	.00320
SDev	.00290	.00054	.00182	.242	.00060	.00074	.00016
%RSD	8.5519	19.552	130.84	.24714	1.0245	.08196	4.8905
#1	.03597	-.00237	.00268	98.279	.05762	.89824	.00331
#2	.03186	-.00313	.00010	97.936	.05846	.89720	.00309
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00065	592.07	.22410	.05634	.29463	138.55	61.971
SDev	.00000	.68	.00123	.00003	.00140	.18	.001
%RSD	.35806	.11415	.55093	.06117	.47661	.12939	.00207
#1	.00065	591.59	.22323	.05631	.29562	138.43	61.972
#2	.00065	592.54	.22498	.05636	.29363	138.68	61.971
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	2.3574	.00356	.18111	.00427	9.1822	-.00581	10.073
SDev	.0066	.00009	.00019	.00004	.1175	.00443	.003
%RSD	.28073	2.4231	.10292	.85211	1.2798	76.194	.03174
#1	2.3527	.00350	.18124	.00429	9.2653	-.00894	10.070
#2	2.3621	.00363	.18098	.00424	9.0991	-.00268	10.075
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	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	.24643	.62159	.01666	-.00007	.00432	.04807	.02685
SDev	.00119	.00250	.00468	.00078	.00704	.00301	.00284
%RSD	.48276	.40305	28.066	1076.9	162.73	6.2647	10.596
#1	.24559	.61982	.01997	-.00063	.00930	.05020	.02886
#2	.24727	.62337	.01336	.00048	-.00065	.04594	.02484
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	-.01187	.00180	.0390	1.453	1.572
sDev	.00702	.00270	.0003	.000	.015
%RSD	59.156	150.05	.8587	.0160	.9789
#1	-.00691	-.00011	.0392	1.452	1.583
#2	-.01684	.00371	.0388	1.453	1.561
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	5820	--	--	--	--	--	--
SDev	49.97843	--	--	--	--	--	--
%RSD	.8586681	--	--	--	--	--	--
#1	5785	--	--	--	--	--	--
#2	5856	--	--	--	--	--	--

Analysis Report 10/13/00 04:08:37 AM

Method: QTESTNAK Sample Name: DLTC8 Operator: KT
Run Time: 10/13/00 04:02:46
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04869	L-.00620	-.00639	195.50	.04637	1.1981	.00634
SDev	.00111	.00343	.00224	.17	.00295	.0002	.00004
%RSD	2.2824	55.334	35.003	.08446	6.3516	.01440	.64966
#1	.04947	-.00377	-.00797	195.62	.04845	1.1979	.00637
#2	.04790	L-.00862	-.00481	195.39	.04428	1.1982	.00631
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	-.00050	199.36	.31023	.08304	.26486	245.48	83.383
SDev	.00002	.23	.00088	.00071	.00037	.13	.088
%RSD	4.1867	.11714	.28407	.85225	.13981	.05315	.10563
#1	-.00052	199.19	.30961	.08254	.26512	245.39	83.321
#2	-.00049	199.52	.31085	.08355	.26460	245.57	83.446
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.0738	.00555	.22212	-.00172	20.120	.00218	10.525
SDev	.0103	.00195	.00051	.00028	.047	.00078	.006
%RSD	.33637	35.126	.22842	16.394	.23607	35.717	.05425
#1	3.0665	.00417	.22176	-.00152	20.154	.00273	10.529
#2	3.0811	.00693	.22248	-.00192	20.087	.00163	10.521
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	.36767	.54086	-.00380	-.00989	.00062	.06838	.03885
SDev	.00115	.00155	.00004	.00739	.00808	.00398	.00032
%RSD	.31376	.28631	1.1437	74.680	1295.6	5.8154	.82213
#1	.36849	.53976	-.00383	-.01511	.00634	.07119	.03863
#2	.36686	.54195	-.00377	-.00467	-.00509	.06557	.03908
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	-.01331	-.00265	.0899	.9538	1.437
SDev	.00832	.00099	.0006	.0008	.006
%RSD	62.497	37.342	.6733	.0869	.3944
#1	-.00743	-.00195	.0903	.9532	1.441
#2	-.01920	-.00335	.0895	.9544	1.433
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	5982	--	--	--	--	--	--
SDev	40.27712	--	--	--	--	--	--
%RSD	.6732917	--	--	--	--	--	--
#1	5954	--	--	--	--	--	--
#2	6011	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLX2CB-0285258 Operator: KT
Run Time: 10/13/00 04:08:42
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00039	-.00054	.00035	-.01638	-.00174	.00033	.00000
SDev	.00054	.00156	.00094	.00010	.00155	.00000	.00000
%RSD	138.81	287.94	271.03	.63115	89.025	.69400	110.44
#1	-.00001	.00056	.00101	-.01631	-.00064	.00033	.00000
#2	-.00077	-.00164	-.00032	-.01646	-.00283	.00033	.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	-.00002	.04416	.00107	.00048	.00073	.02545	.00797
SDev	.00013	.00062	.00009	.00069	.00004	.00915	.00183
%RSD	816.87	1.4009	7.9085	142.95	5.5473	35.957	22.937
#1	.00008	.04459	.00101	-.00001	.00075	.03192	.00668
#2	-.00011	.04372	.00113	.00096	.00070	.01898	.00926
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	.00126	-.00001	.00045	.00030	.33632	-.00064	.00161
SDev	.00001	.00001	.00064	.00000	.09530	.00260	.00076
%RSD	.43236	119.50	141.94	.04395	28.336	408.14	46.911
#1	.00127	-.00000	-.00000	.00030	.40371	.00120	.00215
#2	.00126	-.00001	.00090	.00030	.26894	-.00248	.00108
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.01500	.04000	.04000	.01000	5.0000	.01000	.05000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.00096	.00317	.00307	.00053	-.00003	-.00043	-.00037
SDev	.00045	.00002	.00004	.00232	.00182	.00074	.00044
%RSD	47.023	.70110	1.3774	434.29	6411.0	172.29	119.36
#1	.00064	.00319	.00304	.00217	-.00132	.00009	-.00006
#2	.00128	.00316	.00310	-.00111	.00126	-.00095	-.00068
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	-.00376	.00106	<.0000	.0002	.0213
SDev	.00080	.00273	.0000	.0000	.0047
%RSD	21.414	256.67	.3455	.6940	22.28
#1	-.00432	.00300	<.0000	.0002	.0247
#2	-.00319	-.00087	<.0000	.0002	.0180
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	6246	--	--	--	--	--	--
SDev	21.58091	--	--	--	--	--	--
%RSD	.3455279	--	--	--	--	--	--
#1	6231	--	--	--	--	--	--
#2	6261	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLX2CC Operator: KT
Run Time: 10/13/00 04:14:37
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.44008	1.7328	.45001	1.7458	1.7951	1.9080	.04903
SDev	.00071	.0031	.00112	.0063	.0107	.0055	.00013
%RSD	.16182	.18035	.24848	.35980	.59476	.28710	.26045
#1	.43957	1.7350	.44922	1.7502	1.8027	1.9119	.04894
#2	.44058	1.7306	.45080	1.7414	1.7876	1.9042	.04913
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	.04978	L.06675	.19874	.49016	.23802	1.0170	L.01335
SDev	.00054	.00097	.00067	.00236	.00120	.0140	.00183
%RSD	1.0763	1.4578	.33547	.48247	.50520	1.3756	13.676
#1	.04940	L.06744	.19827	.49183	.23887	1.0268	L.01464
#2	.05016	L.06607	.19922	.48848	.23717	1.0071	L.01206
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	.49648	.91742	.48794	.04709	.50181	1.7247	L.00050
SDev	.00007	.00432	.00343	.00037	.00799	.0186	.00001
%RSD	.01401	.47055	.70311	.77886	1.5915	1.0795	1.0148
#1	.49643	.91436	.48551	.04734	.49616	1.7115	L.00049
#2	.49653	.92047	.49037	.04683	.50745	1.7378	L.00050
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	.48887	.47906	-.00610	.44641	.45722	.44848	.43588
SDev	.00038	.00009	.00419	.00092	.00152	.00159	.00027
%RSD	.07873	.01898	68.600	.20602	.33153	.35448	.06285
#1	.48860	.47913	-.00314	.44576	.45615	.44736	.43569
#2	.48914	.47900	-.00906	.44706	.45829	.44961	.43608
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	1.7370	1.7308	L.0067	L.0002	.0819
SDev	.0117	.0011	.0013	.0000	.0041
%RSD	.67271	.06635	19.73	.9659	4.993
#1	1.7452	1.7300	L.0058	L.0002	.0848
#2	1.7287	1.7316	L.0076	L.0002	.0790
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	6229	--	--	--	--	--	--
SDev	30.03788	--	--	--	--	--	--
%RSD	.4822109	--	--	--	--	--	--
#1	6208	--	--	--	--	--	--
#2	6250	--	--	--	--	--	--

Analysis Report 10/13/00 04:28:31 AM page 1

Method: QTESTNAK Sample Name: DLTCA Operator: KT
Run Time: 10/13/00 04:22:40
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02490	-.00035	-.00130	82.730	.01293	.70106	.00299
SDev	.00125	.00147	.00104	.344	.00795	.00278	.00010
%RSD	5.0107	418.76	80.164	.41543	61.533	.39576	3.3217
#1	.02402	.00069	-.00056	82.973	.01855	.70302	.00292
#2	.02578	-.00139	-.00204	82.487	.00730	.69909	.00306
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	-.00183	13.422	.10901	.05366	.09026	107.84	20.672
SDev	.00004	.024	.00028	.00019	.00047	.18	.093
%RSD	2.0516	.18016	.25274	.34662	.52186	.17149	.44875
#1	-.00181	13.439	.10921	.05353	.09060	107.97	20.738
#2	-.00186	13.405	.10882	.05379	.08993	107.71	20.607
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	2.9718	.00353	.06789	-.00135	3.0664	.00628	6.5955
SDev	.0072	.00344	.00012	.00001	.0483	.00376	.0139
%RSD	.24212	97.620	.16998	.82558	1.5741	59.929	.21069
#1	2.9769	.00596	.06781	-.00136	3.1005	.00894	6.6054
#2	2.9667	.00109	.06797	-.00134	3.0323	.00362	6.5857
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	.22571	.21657	.00300	-.00249	.00107	.03177	.02147
SDev	.00085	.00048	.00854	.00045	.00404	.00303	.00036
%RSD	.37862	.22203	284.35	18.131	379.12	9.5488	1.6581
#1	.22631	.21623	-.00304	-.00281	.00392	.02962	.02122
#2	.22510	.21691	.00905	-.00217	-.00179	.03391	.02172
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	-.00759	.00326	.0123	.1662	1.407
SDev	.00040	.00201	.0013	.0006	.016
%RSD	5.2375	61.462	10.13	.3498	1.171
#1	-.00731	.00468	.0114	.1666	1.419
#2	-.00788	.00185	.0132	.1658	1.396
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6299	--	--	--	--	--	--
SDev	47.65893	--	--	--	--	--	--
%RSD	.7565942	--	--	--	--	--	--
#1	6265	--	--	--	--	--	--
#2	6333	--	--	--	--	--	--

Analysis Report 10/13/00 04:36:34 AM page 1

Method: QTESTNAK Sample Name: DLTCAP Operator: KT
Run Time: 10/13/00 04:30:43
Comment:
Mode: CONC Corr. Factor: 5

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L.02937	L.01146	L-.00531	80.717	L.01808	.69924	L.00326
SDev	.00542	.00304	.00859	.303	.02171	.00149	.00001
%RSD	18.440	26.527	161.70	.37524	120.07	.21257	.17682
#1	L.03320	L.01361	L-.01139	80.931	L.00273	.70029	L.00326
#2	L.02554	L.00931	L.00076	80.503	L.03343	.69819	L.00325
Errors	LC Low	LC Low	LC Low	LC Pass	LC Low	LC Pass	LC Low
High	55.000	11.000	5.5000	550.00	11.000	11.000	5.5000
Low	.07500	.17000	.10000	.63000	.24500	.01000	.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.00373	13.651	.11050	.05343	.09080	109.05	20.847
SDev	.00114	.024	.00282	.00367	.00054	.20	.116
%RSD	30.449	.17865	2.5534	6.8676	.59196	.18497	.55553
#1	L-.00293	13.634	.11250	.05603	.09118	109.19	20.929
#2	L-.00453	13.668	.10851	.05084	.09042	108.91	20.765
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	3.0064	L.01083	.07174	L-.00050	3.6400	L.03103	6.6286
SDev	.0058	.00007	.00029	.00103	.1374	.00792	.0069
%RSD	.19223	.61208	.39981	205.84	3.7742	25.515	.10431
#1	3.0105	L.01088	.07194	L.00023	3.7372	L.03662	6.6237
#2	3.0023	L.01078	.07153	L-.00123	3.5429	L.02543	6.6335
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	.22707	.22039	L-.02009	-.00429	-.00737	.03105	.02853
SDev	.00089	.00091	.00035	.01367	.00158	.00650	.00488
%RSD	.38993	.41274	1.7185	318.76	21.455	20.922	17.091
#1	.22769	.22104	L-.02033	-.01395	-.00625	.03564	.03198
#2	.22644	.21975	L-.01984	.00538	-.00848	.02646	.02508
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	-.04765	.04098	L.0095	.1649	1.532
SDev	.00755	.00833	.0000	.0006	.014
%RSD	15.844	20.325	.3759	.3778	.9397
#1	-.05299	.04687	L.0095	.1653	1.543
#2	-.04232	.03509	L.0094	.1644	1.522
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	6312	--	--	--	--	--	--
SDev	23.73020	--	--	--	--	--	--
%RSD	.3759335	--	--	--	--	--	--
#1	6296	--	--	--	--	--	--
#2	6329	--	--	--	--	--	--

Analysis Report 10/13/00 04:44:37 AM page 1

Method: QTESTNAK Sample Name: DLTCAS Operator: KT
Run Time: 10/13/00 04:38:46
omment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.47872	1.7328	.11362	90.563	1.8076	2.5600	.05402
SDev	.00003	.0100	.00390	.104	.0091	.0009	.00019
%RSD	.00618	.57890	3.4336	.11494	.50440	.03334	.34535
#1	.47870	1.7399	.11086	90.637	1.8012	2.5606	.05415
#2	.47875	1.7257	.11638	90.490	1.8141	2.5594	.05389
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	.04763	13.194	.30864	.54873	.33391	109.26	20.669
SDev	.00016	.003	.00129	.00092	.00085	.02	.015
%RSD	.32678	.02497	.41871	.16734	.25429	.01374	.07340
#1	.04752	13.192	.30773	.54808	.33451	109.25	20.679
#2	.04774	13.197	.30956	.54938	.33331	109.27	20.658
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.1045	.89701	.55439	.04467	3.2187	1.8347	6.3289
SDev	.0083	.00543	.00380	.00033	.0066	.0082	.0040
%RSD	.26662	.60486	.68459	.72907	.20632	.44600	.06331
#1	3.0987	.89318	.55707	.04490	3.2234	1.8405	6.3318
#2	3.1104	.90085	.55170	.04444	3.2140	1.8290	6.3261
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	.71764	.68994	-.00310	.11218	.11650	.49300	.47160
SDev	.00043	.00274	.00848	.00525	.00120	.00301	.00155
%RSD	.06028	.39690	273.25	4.6819	1.0262	.61011	.32781
#1	.71733	.68801	.00289	.10846	.11566	.49512	.47051
#2	.71795	.69188	-.00910	.11589	.11735	.49087	.47269
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	1.7445	1.7269	.0182	.1683	1.782
SDev	.0097	.0102	.0013	.0002	.005
%RSD	.55843	.58923	6.877	.1074	.2797
#1	1.7514	1.7341	.0173	.1682	1.786
#2	1.7377	1.7197	.0190	.1685	1.779
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6249	--	--	--	--	--	--
SDev	35.49690	--	--	--	--	--	--
%RSD	.5680213	--	--	--	--	--	--
#1	6224	--	--	--	--	--	--
#2	6274	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLTCAD Operator: KT
Run Time: 10/13/00 04:48:53
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.46620	1.7043	.10701	90.262	1.7625	2.5088	.05215
SDev	.00887	.0172	.00112	1.202	.0265	.0295	.00067
%RSD	1.9017	1.0120	1.0517	1.3321	1.5063	1.1762	1.2885
#1	.45993	1.6921	.10621	89.412	1.7437	2.4880	.05167
#2	.47247	1.7165	.10780	91.112	1.7812	2.5297	.05262
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	.04664	12.755	.29966	.53196	.33356	105.93	20.689
SDev	.00039	.187	.00454	.00710	.00370	1.43	.214
%RSD	.84346	1.4672	1.5142	1.3344	1.1087	1.3479	1.0345
#1	.04637	12.623	.29645	.52694	.33094	104.92	20.538
#2	.04692	12.887	.30287	.53697	.33617	106.94	20.841
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	3.1899	.86522	.54144	.04396	3.2317	1.8034	6.1009
SDev	.0455	.02145	.00775	.00072	.1062	.0099	.0903
%RSD	1.4267	2.4795	1.4318	1.6261	3.2872	.54707	1.4803
#1	3.1577	.85005	.53596	.04346	3.3068	1.7964	6.0370
#2	3.2221	.88039	.54693	.04447	3.1566	1.8104	6.1647
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	.69908	.67698	.00600	.10442	.11219	.48038	.45912
SDev	.01130	.01014	.01317	.00226	.00114	.00462	.01098
%RSD	1.6167	1.4972	219.63	2.1598	1.0140	.96269	2.3922
#1	.69109	.66981	.01531	.10283	.11300	.47711	.45135
#2	.70707	.68415	-.00332	.10602	.11139	.48365	.46689
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	1.7079	1.7024	.0185	.1668	1.564
SDev	.0076	.0221	.0015	.0021	.004
%RSD	.44411	1.2964	8.268	1.245	.2443
#1	1.7025	1.6868	.0174	.1654	1.561
#2	1.7133	1.7180	.0196	.1683	1.566
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6137	--	--	--	--	--	--
SDev	50.79844	--	--	--	--	--	--
%RSD	.8276812	--	--	--	--	--	--
#1	6173	--	--	--	--	--	--
#2	6102	--	--	--	--	--	--

Analysis Report 10/13/00 05:02:47 AM page 1

Method: QTESTNAK Sample Name: CCVT Operator: KT
Run Time: 10/13/00 04:56:56
omment:
ode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49410	.49202	.49282	24.506	.49608	1.9898	2.1017
SDev	.00191	.00361	.00105	.069	.00053	.0039	.0144
%RSD	.38643	.73307	.21273	.28260	.10771	.19805	.68597
#1	.49545	.49457	.49357	24.555	.49646	1.9926	2.1119
#2	.49275	.48947	.49208	24.457	.49570	1.9871	2.0915
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	.51511	104.52	2.0573	2.0385	1.9669	26.126	100.17
SDev	.00576	.92	.0205	.0213	.0006	.212	.46
%RSD	1.1188	.87761	.99629	1.0464	.02972	.81251	.46162
#1	.51919	105.17	2.0717	2.0536	1.9673	26.276	100.50
#2	.51104	103.88	2.0428	2.0234	1.9665	25.976	99.843
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	2.0484	2.0105	2.0499	1.0024	49.971	.98330	2.0581
SDev	.0185	.0071	.0223	.0040	.007	.00327	.0055
%RSD	.90366	.35546	1.0884	.40325	.01399	.33249	.26649
#1	2.0615	2.0054	2.0656	1.0053	49.966	.98561	2.0620
#2	2.0353	2.0155	2.0341	.99958	49.976	.98099	2.0542
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	2.0680	2.0486	1.9732	.49234	.49380	.50221	.49005
SDev	.0082	.0206	.0095	.00177	.00040	.00012	.00292
%RSD	.39873	1.0045	.47979	.35962	.08062	.02339	.59611
#1	2.0738	2.0632	1.9799	.49359	.49352	.50212	.49212
#2	2.0622	2.0341	1.9665	.49109	.49408	.50229	.48799
rors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	2.2000	2.2000	2.2000				
Low	1.8000	1.8000	1.8000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.49897	.48855	1.973	2.033	1.951
SDev	.01240	.00078	.013	.007	.005
%RSD	2.4854	.16044	.6539	.3449	.2403
#1	.50774	.48800	1.982	2.038	1.955
#2	.49020	.48910	1.963	2.028	1.948
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	6161	--	--	--	--	--	--
SDev	11.11587	--	--	--	--	--	--
%RSD	.1804355	--	--	--	--	--	--
#1	6168	--	--	--	--	--	--
#2	6153	--	--	--	--	--	--

Analysis Report QC Standard 10/13/00 05:10:49 AM page 1

Method: QTESTNAK Sample Name: CCBT' Operator: KT
Run Time: 10/13/00 05:04:59
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00159	.00253	-.00226	-.03482	-.00119	-.00000	.00009
SDev	.00053	.00156	.00030	.00212	.00092	.00000	.00012
%RSD	33.191	61.475	13.453	6.1008	77.001	4.0743	133.13
#1	.00122	.00363	-.00205	-.03332	-.00054	-.00000	.00017
#2	.00197	.00143	-.00248	-.03632	-.00184	-.00000	.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	.00039	.02018	.00017	-.00096	.00118	.00012	-.00011
SDev	.00025	.00009	.00019	.00000	.00028	.00890	.00186
%RSD	64.157	.46051	110.09	.08302	23.556	7553.1	1773.6
#1	.00057	.02024	.00031	-.00096	.00137	.00641	-.00142
#2	.00021	.02011	.00004	-.00096	.00098	-.00618	.00121
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00000	.00241	-.00136	.00030	.15682	.00302	.00002
SDev	.00000	.00000	.00063	.00014	.06085	.00184	.00000
%RSD	4.0743	.15924	46.668	46.465	38.804	60.822	4.2597
#1	-.00000	.00241	-.00091	.00020	.19985	.00172	.00002
#2	-.00000	.00241	-.00181	.00040	.11379	.00432	.00002
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.01500	.04000	.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	-.00004	.00020	-.00272	-.00134	-.00061	.00269
SDev	.00045	.00000	.00424	.00227	.00364	.00211	.00026
%RSD	140.79	4.1099	2104.2	83.410	271.29	347.10	9.7148
#1	.00064	-.00005	-.00280	-.00112	-.00391	-.00210	.00288
#2	.00000	-.00004	.00320	-.00433	.00123	.00089	.00251
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	-.00004	.00381	.0009	<.0000	.0042
SDev	.00274	.00370	.0013	.0001	.0013
%RSD	7723.6	97.114	141.4	137.3	30.58
#1	-.00197	.00643	.0019	<.0000	.0051
#2	.00190	.00119	.0000	<.0000	.0033
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	6311	--	--	--	--	--	--
SDev	3.789996	--	--	--	--	--	--
%RSD	.0600538	--	--	--	--	--	--
#1	6308	--	--	--	--	--	--
#2	6314	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLTCE Operator: KT
Run Time: 10/13/00 05:10:53
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05092	.00258	-.00185	223.35	.03632	1.3524	.00697
SDev	.00158	.00200	.00461	.15	.00467	.0023	.00015
%RSD	3.1084	77.658	248.79	.06623	12.863	.16959	2.1102
#1	.04980	.00116	.00141	223.25	.03962	1.3540	.00708
#2	.05204	.00399	-.00512	223.46	.03301	1.3508	.00687
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	-.00292	56.736	.24079	.10597	.20161	292.35	77.002
SDev	.00011	.028	.00030	.00060	.00030	.25	.042
%RSD	3.6932	.04940	.12414	.56217	.14783	.08707	.05459
#1	-.00284	56.716	.24100	.10639	.20140	292.17	77.032
#2	-.00300	56.756	.24058	.10554	.20182	292.53	76.972
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	4.2226	.00633	.18486	-.00269	11.654	.00946	15.707
SDev	.0013	.00162	.00009	.00015	.031	.00087	.013
%RSD	.03078	25.529	.04923	5.5273	.26763	9.1866	.08312
#1	4.2217	.00748	.18493	-.00279	11.676	.01007	15.698
#2	4.2235	.00519	.18480	-.00258	11.632	.00885	15.717
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5.0000	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.55043	.59522	.00223	-.00142	-.00272	.06608	.04336
SDev	.00045	.00106	.00425	.00371	.00642	.00056	.00265
%RSD	.08137	.17791	190.04	261.42	235.61	.84753	6.1185
#1	.55012	.59597	.00524	.00120	.00181	.06647	.04148
#2	.55075	.59447	-.00077	-.00404	-.00726	.06568	.04523
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	-.00010	.00391	.0368	.5885	1.256
SDev	.00285	.00158	.0015	.0007	.002
%RSD	2909.1	40.349	4.016	.1225	.1534
#1	-.00211	.00280	.0379	.5890	1.257
#2	.00192	.00503	.0358	.5880	1.255
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6328	--	--	--	--	--	--
SDev	24.66415	--	--	--	--	--	--
%RSD	.3897572	--	--	--	--	--	--
#1	6311	--	--	--	--	--	--
#2	6346	--	--	--	--	--	--

Analysis Report 10/13/00 05:24:48 AM page 1

Method: QTESTNAK Sample Name: DLTCF Operator: KT
Run Time: 10/13/00 05:18:57
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04616	-.00252	-.00680	201.56	.04067	1.2187	.00598
SDev	.00154	.00051	.00182	2.23	.00462	.0152	.00001
%RSD	3.3411	20.094	26.787	1.1083	11.373	1.2471	.20036
#1	.04507	-.00216	-.00808	203.14	.03740	1.2295	.00597
#2	.04725	-.00287	-.00551	199.98	.04394	1.2080	.00598
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	-.00146	63.346	.24801	.10874	.23413	273.93	68.832
SDev	.00133	1.607	.00642	.00189	.00522	4.53	.140
%RSD	91.148	2.5366	2.5884	1.7430	2.2312	1.6527	.20368
#1	-.00052	62.210	.24347	.10740	.23782	270.73	68.931
#2	-.00240	64.483	.25254	.11008	.23043	277.13	68.733
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	4.7492	.00794	.18786	-.00258	9.2090	.00820	15.224
SDev	.0791	.00238	.00310	.00034	.0184	.00155	.027
%RSD	1.6652	29.999	1.6481	12.986	.19992	18.906	.18060
#1	4.6932	.00963	.18567	-.00234	9.1960	.00929	15.205
#2	4.8051	.00626	.19005	-.00282	9.2220	.00710	15.244
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	.52357	.56538	.00921	-.00666	-.00707	.06340	.03755
SDev	.00331	.00763	.00385	.00353	.00160	.00388	.00037
%RSD	.63255	1.3501	41.775	52.957	22.575	6.1243	.99503
#1	.52123	.55999	.00649	-.00915	-.00594	.06066	.03729
#2	.52591	.57078	.01193	-.00417	-.00820	.06615	.03782
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	-.00641	-.00058	.0316	.5355	2.093
SDev	.00072	.00112	.0001	.0043	.001
%RSD	11.212	194.16	.4851	.8016	.0682
#1	-.00691	.00021	.0315	.5386	2.094
#2	-.00590	-.00136	.0317	.5325	2.092
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6241	--	--	--	--	--	--
SDev	237.1919	--	--	--	--	--	--
%RSD	3.800811	--	--	--	--	--	--
#1	6073	--	--	--	--	--	--
#2	6408	--	--	--	--	--	--

Analysis Report 10/13/00 05:32:50 AM page 1

Method: QTESTNAK Sample Name: DLTCG Operator: KT
Run Time: 10/13/00 05:26:59
mment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05099	-.00459	-.01277	291.98	.04570	1.5106	.00857
SDev	.00454	.00446	.01436	.40	.00667	.0070	.00041
%RSD	8.8971	97.220	112.47	.13583	14.594	.46153	4.7837
#1	.04778	-.00143	-.02292	292.26	.05041	1.5057	.00886
#2	.05420	L-.00774	-.00261	291.70	.04098	1.5156	.00828
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	-.00321	49.981	.33369	.10910	.20280	334.30	77.340
SDev	.00046	.025	.00203	.00100	.00241	.29	.575
%RSD	14.392	.05029	.60879	.91678	1.1883	.08693	.74297
#1	-.00289	49.963	.33225	.10981	.20451	334.10	76.933
#2	-.00354	49.999	.33513	.10839	.20110	334.51	77.746
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	4.6015	.00867	.22895	-.00096	12.067	.01070	14.419
SDev	.0602	.00824	.00094	.00297	.520	.00746	.004
%RSD	1.3074	95.117	.41290	309.97	4.3101	69.693	.02950
#1	4.5589	.01450	.22961	.00114	12.435	.00543	14.416
#2	4.6440	.00284	.22828	-.00306	11.699	.01597	14.422
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	.64424	.64070	.01807	-.02546	.01265	.09670	.02817
SDev	.00028	.00902	.02905	.03022	.01742	.02516	.01936
%RSD	.04426	1.4083	160.78	118.72	137.64	26.018	68.736
#1	.64403	.63432	.03861	-.04683	.02497	.11449	.01448
#2	.64444	.64708	-.00247	-.00409	.00034	.07891	.04186
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	.01500	-.01437	.0646	.4993	1.534
SDev	.04640	.01648	.0022	.0033	.002
%RSD	309.25	114.73	3.360	.6619	.1185
#1	.04782	-.02602	.0631	.4970	1.533
#2	-.01781	-.00271	.0662	.5017	1.536
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6470	--	--	--	--	--	--
SDev	44.03846	--	--	--	--	--	--
%RSD	.6806373	--	--	--	--	--	--
#1	6439	--	--	--	--	--	--
#2	6501	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DLTCH Operator: KT
Run Time: 10/13/00 05:35:02
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05085	-.00155	-.00578	229.03	.03834	1.0182	.00645
SDev	.00001	.00255	.00277	.19	.00429	.0011	.00003
%RSD	.00943	164.17	47.963	.08272	11.189	.10914	.38275
#1	.05085	-.00335	-.00774	229.17	.04137	1.0190	.00647
#2	.05085	.00025	-.00382	228.90	.03530	1.0174	.00643
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	-.00134	45.985	.26400	.10536	.23583	274.79	64.070
SDev	.00032	.047	.00072	.00014	.00064	.18	.022
%RSD	23.579	.10283	.27320	.13045	.26975	.06575	.03444
#1	-.00112	45.951	.26349	.10526	.23628	274.66	64.085
#2	-.00156	46.018	.26451	.10545	.23538	274.91	64.054
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	4.5310	.00502	.17810	-.00242	9.6765	.00418	15.228
SDev	.0033	.00010	.00128	.00042	.0242	.00458	.003
%RSD	.07319	1.9346	.71613	17.422	.24984	109.52	.02292
#1	4.5287	.00495	.17720	-.00212	9.6936	.00094	15.226
#2	4.5334	.00509	.17900	-.00272	9.6594	.00742	15.231
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	.55465	.59304	-.00957	-.00733	-.00269	.06811	.04223
SDev	.00085	.00134	.01319	.00418	.00005	.00048	.00023
%RSD	.15289	.22537	137.90	57.108	1.9053	.70873	.55364
#1	.55525	.59209	-.01889	-.01028	-.00265	.06777	.04240
#2	.55405	.59398	-.00024	-.00437	-.00273	.06845	.04207
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	-.01330	.00432	.0392	.4832	1.365
SDev	.00017	.00373	.0001	.0003	.003
%RSD	1.3154	86.350	.3895	.0514	.2517
#1	-.01343	.00168	.0393	.4834	1.367
#2	-.01318	.00695	.0391	.4830	1.362
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6092	--	--	--	--	--	--
SDev	23.73054	--	--	--	--	--	--
%RSD	.3895170	--	--	--	--	--	--
#1	6076	--	--	--	--	--	--
#2	6109	--	--	--	--	--	--

Analysis Report 10/13/00 05:48:56 AM page 1

Method: QTESTNAK Sample Name: DLTCK Operator: KT
Run Time: 10/13/00 05:43:05
mment:
ode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04749	L-.00606	-.00436	220.44	.04434	1.1848	.00629
SDev	.00066	.00381	.00370	.32	.00130	.0018	.00004
%RSD	1.3914	62.893	84.892	.14483	2.9339	.15526	.63345
#1	.04702	L-.00875	-.00698	220.66	.04526	1.1861	.00632
#2	.04795	-.00336	-.00174	220.21	.04342	1.1835	.00627
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	.00125	64.401	.28624	.11316	.26133	301.07	76.106
SDev	.00020	.036	.00006	.00024	.00049	.10	.052
%RSD	15.696	.05628	.02069	.21156	.18723	.03370	.06852
#1	.00138	64.375	.28620	.11333	.26167	301.00	76.143
#2	.00111	64.427	.28628	.11299	.26098	301.14	76.069
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	3.9189	.00690	.18768	-.00215	9.8710	.00576	16.247
SDev	.0027	.00161	.00078	.00022	.0697	.00109	.001
%RSD	.06762	23.352	.41769	10.390	.70627	18.994	.00846
#1	3.9171	.00804	.18713	-.00231	9.9203	.00653	16.248
#2	3.9208	.00576	.18824	-.00199	9.8217	.00499	16.246
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	.56874	.65317	.00190	-.00679	.00052	.06651	.03799
SDev	.00188	.00051	.00427	.00576	.00041	.00011	.00093
%RSD	.33150	.07848	224.22	84.712	80.132	.16741	2.4613
#1	.56740	.65354	-.00112	-.01086	.00081	.06643	.03733
#2	.57007	.65281	.00492	-.00272	.00022	.06659	.03865
rors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
vge	-.01764	-.00027	.0316	.5621	1.814
SDev	.00177	.00659	.0015	.0007	.008
%RSD	10.036	2413.4	4.892	.1197	.4575
#1	-.01639	-.00494	.0327	.5626	1.820
#2	-.01889	.00439	.0305	.5616	1.809
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6233	--	--	--	--	--	--
SDev	37.81605	--	--	--	--	--	--
%RSD	.6066663	--	--	--	--	--	--
#1	6207	--	--	--	--	--	--
#2	6260	--	--	--	--	--	--

Analysis Report 10/13/00 05:54:52 AM page 1

Method: QTESTNAK Sample Name: DLTCL Operator: KT
Run Time: 10/13/00 05:49:01
mment:
ode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05648	-.00239	-.00412	305.29	.03396	1.7744	.01058
SDev	.00067	.00511	.00109	.45	.00108	.0077	.00008
%RSD	1.1852	213.84	26.468	.14782	3.1808	.43251	.78262
#1	.05695	L-.00600	-.00489	305.61	.03473	1.7799	.01064
#2	.05601	.00122	-.00335	304.97	.03320	1.7690	.01052
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00299	45.577	.36841	.11130	.17487	354.85	76.210
SDev	.00001	.038	.00060	.00101	.00081	.44	.242
%RSD	.35201	.08435	.16267	.91113	.46059	.12326	.31795
#1	-.00299	45.604	.36883	.11202	.17544	355.16	76.381
#2	-.00298	45.550	.36799	.11058	.17430	354.54	76.039
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
igh	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.2539	.00279	.21834	-.00212	12.784	.01104	10.839
SDev	.0052	.00154	.00169	.00047	.053	.00232	.023
%RSD	.12138	55.139	.77254	22.187	.41448	20.977	.21630
#1	4.2575	.00388	.21953	-.00178	12.821	.00941	10.856
#2	4.2502	.00170	.21715	-.00245	12.746	.01268	10.822
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	.64035	.62179	-.00207	-.00633	.00033	.08321	.04314
SDev	.00082	.00070	.00003	.00412	.00497	.00041	.00121
%RSD	.12763	.11308	1.2354	64.974	1528.3	.49605	2.8043
#1	.63977	.62229	-.00209	-.00924	.00384	.08292	.04399
#2	.64093	.62129	-.00205	-.00342	-.00319	.08350	.04228
rors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
vge	-.01042	.00162	.0616	.5256	1.627
sDev	.00306	.00613	.0009	.0020	.007
%RSD	29.381	377.54	1.407	.3833	.4020
#1	-.01259	-.00271	.0610	.5270	1.632
#2	-.00826	.00596	.0622	.5241	1.623
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6305	--	--	--	--	--	--
SDev	48.50760	--	--	--	--	--	--
%RSD	.7693195	--	--	--	--	--	--
#1	6271	--	--	--	--	--	--
#2	6340	--	--	--	--	--	--

Analysis Report 10/13/00 06:02:55 AM page 1

Method: QTESTNAK Sample Name: DLTCM Operator: KT
Run Time: 10/13/00 05:57:04
mment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06623	-.00269	-.00301	233.15	.03776	1.3818	.00735
SDev	.00186	.00197	.00112	.24	.00702	.0033	.00015
%RSD	2.8112	73.224	37.190	.10171	18.599	.24108	2.0908
#1	.06491	-.00130	-.00222	232.99	.03279	1.3795	.00746
#2	.06754	-.00408	-.00380	233.32	.04273	1.3842	.00724
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	-.00276	42.434	.26907	.11330	.21249	288.41	66.374
SDev	.00003	.126	.00068	.00006	.00010	.51	.147
%RSD	.97744	.29792	.25410	.04931	.04638	.17849	.22078
#1	-.00278	42.345	.26858	.11334	.21242	288.05	66.271
#2	-.00274	42.524	.26955	.11326	.21256	288.78	66.478
rrors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
igh	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.4629	.00631	.20403	-.00266	6.6820	.00924	13.256
SDev	.0253	.00493	.00030	.00006	.0714	.00849	.019
%RSD	.46307	78.210	.14830	2.2288	1.0680	91.892	.14649
#1	5.4450	.00980	.20382	-.00262	6.7324	.00323	13.242
#2	5.4807	.00282	.20424	-.00270	6.6315	.01524	13.270
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	.54904	.61403	.01171	-.00275	-.00351	.08669	.05601
SDev	.00309	.00344	.00008	.00045	.00426	.00080	.00319
%RSD	.56334	.56087	.65768	16.379	121.31	.92101	5.6953
#1	.54685	.61160	.01176	-.00307	-.00050	.08726	.05375
#2	.55123	.61647	.01165	-.00243	-.00652	.08613	.05826
rrors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
vge	-.00812	.00003	.0371	.4600	1.583
sDev	.00115	.00237	.0002	.0014	.000
%RSD	14.162	8899.9	.4593	.3086	.0105
#1	-.00731	.00171	.0372	.4590	1.582
#2	-.00893	-.00165	.0370	.4610	1.583
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6441	--	--	--	--	--	--
SDev	29.58558	--	--	--	--	--	--
%RSD	.4593207	--	--	--	--	--	--
#1	6420	--	--	--	--	--	--
#2	6462	--	--	--	--	--	--

Analysis Report 10/13/00 06:10:58 AM page 1

Method: QTESTNAK Sample Name: DLTCN Operator: KT
Run Time: 10/13/00 06:05:07
mment:
ode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05397	-.00412	-.00156	230.04	.03707	1.6633	.00689
SDev	.00020	.00372	.00514	3.07	.00226	.0255	.00036
%RSD	.36241	90.425	330.30	1.3352	6.0876	1.5348	5.2650
#1	.05384	L-.00675	-.00519	232.21	.03867	1.6813	.00663
#2	.05411	-.00148	.00208	227.86	.03548	1.6452	.00715
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	-.00148	70.677	.26317	.11173	.21824	281.38	77.707
SDev	.00105	1.615	.00755	.00387	.00421	3.36	.341
%RSD	70.593	2.2854	2.8687	3.4606	1.9308	1.1930	.43943
#1	-.00074	69.535	.25783	.10900	.22122	279.01	77.948
#2	-.00223	71.820	.26851	.11447	.21526	283.76	77.465
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	5.0167	.00855	.20505	-.00233	13.353	.01120	13.721
SDev	.0546	.00792	.00502	.00021	.227	.00221	.023
%RSD	1.0882	92.595	2.4476	9.0842	1.7033	19.748	.16485
#1	4.9781	.00295	.20150	-.00218	13.192	.00964	13.737
#2	5.0554	.01415	.20860	-.00248	13.514	.01277	13.705
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	.53261	.61266	.00006	-.00366	.00266	.07323	.04436
SDev	.00258	.00728	.00003	.00692	.00156	.00113	.00027
%RSD	.48364	1.1890	61.599	189.22	58.794	1.5487	.61528
#1	.53079	.60751	.00008	-.00855	.00155	.07243	.04455
#2	.53444	.61781	.00003	.00124	.00376	.07403	.04417
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

001266

Units			ppm	ppm	ppm
Avge	-.00546	-.00344	.0468	.6151	1.823
SDev	.00400	.00358	.0024	.0073	.003
%RSD	73.241	104.03	5.195	1.180	.1423
#1	-.00829	-.00598	.0450	.6202	1.821
#2	-.00263	-.00091	.0485	.6100	1.825
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6255	--	--	--	--	--	--
SDev	217.1384	--	--	--	--	--	--
%RSD	3.471227	--	--	--	--	--	--
#1	6102	--	--	--	--	--	--
#2	6409	--	--	--	--	--	--

Analysis Report 10/13/00 06:19:01 AM page 1

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

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.10877	-.00379	-.00407	256.77	.07561	1.2489	.00825
SDev	.00073	.00276	.00081	.20	.00725	.0031	.00017
%RSD	.67483	72.878	20.001	.07780	9.5850	.25201	2.0585
#1	.10825	-.00184	-.00465	256.91	.08074	1.2467	.00837
#2	.10928	L-.00574	-.00350	256.62	.07049	1.2511	.00813
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00222	32.355	.29756	.13089	.19552	310.04	56.032
SDev	.00078	.079	.00043	.00048	.00113	.43	.188
%RSD	35.241	.24390	.14533	.36771	.57604	.13875	.33572
#1	-.00166	32.299	.29725	.13055	.19632	309.74	55.899
#2	-.00277	32.411	.29786	.13123	.19472	310.35	56.165
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	4.5266	.00658	.18934	-.00186	5.9962	.01147	7.3531
SDev	.0231	.00017	.00210	.00001	.0358	.00565	.0030
%RSD	.50964	2.6380	1.1076	.39438	.59710	49.249	.04035
#1	4.5103	.00646	.18786	-.00186	6.0215	.00747	7.3510
#2	4.5429	.00671	.19083	-.00185	5.9709	.01546	7.3552
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	.57971	.61028	.00392	-.00590	-.00040	.13107	.09763
SDev	.00015	.00432	.01282	.00264	.00284	.00038	.00091
%RSD	.02572	.70731	327.20	44.736	704.23	.28778	.93425
#1	.57960	.60723	-.00515	-.00777	.00161	.13080	.09699
#2	.57981	.61333	.01299	-.00404	-.00242	.13134	.09828
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	-.01031	-.00053	.0354	.3644	1.245
SDev	.00044	.00392	.0011	.0012	.011
%RSD	4.3070	734.91	3.237	.3216	.8825
#1	-.00999	.00224	.0346	.3636	1.237
#2	-.01062	-.00330	.0362	.3652	1.253
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6238	--	--	--	--	--	--
SDev	36.51474	--	--	--	--	--	--
%RSD	.5853204	--	--	--	--	--	--
#1	6213	--	--	--	--	--	--
#2	6264	--	--	--	--	--	--

Analysis Report 10/13/00 06:27:04 AM page 1

Method: QTESTNAK Sample Name: DLTCQ Operator: KT
Run Time: 10/13/00 06:21:13
mment:
ode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05766	-.00293	-.00222	236.06	.03970	1.8097	.00700
SDev	.00122	.00098	.00055	.35	.00398	.0036	.00018
%RSD	2.1146	33.512	24.580	.14784	10.028	.19897	2.5455
#1	.05680	-.00223	-.00183	236.31	.04251	1.8123	.00713
#2	.05852	-.00362	-.00261	235.82	.03688	1.8072	.00688
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00047	60.388	.29065	.12402	.30982	304.27	77.986
SDev	.00008	.136	.00019	.00123	.00234	.28	.106
%RSD	16.938	.22454	.06509	.99047	.75665	.09108	.13539
#1	.00042	60.292	.29052	.12489	.31148	304.08	78.061
#2	.00053	60.484	.29079	.12315	.30816	304.47	77.911
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	6.1666	.00688	.22092	-.00202	8.7544	.00588	16.295
SDev	.0106	.00515	.00038	.00034	.2419	.00072	.010
%RSD	.17159	74.764	.17236	17.025	2.7637	12.293	.06093
#1	6.1591	.01052	.22119	-.00178	8.9255	.00537	16.302
#2	6.1741	.00324	.22065	-.00227	8.5833	.00639	16.288
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	.58221	.71000	.01705	-.00455	.00244	.07742	.04779
SDev	.00143	.00107	.00014	.00504	.01172	.00227	.00296
%RSD	.24511	.15086	.81854	110.75	480.62	2.9374	6.2004
#1	.58120	.70924	.01715	-.00811	.01073	.07903	.04570
#2	.58322	.71076	.01695	-.00099	-.00585	.07581	.04989
rors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.00014	-.00445	.0448	.6516	1.615
SDev	.00607	.00156	.0003	.0007	.004
%RSD	4388.1	35.088	.7609	.1023	.2645
#1	.00443	-.00556	.0451	.6521	1.618
#2	-.00416	-.00335	.0446	.6511	1.612
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6130	--	--	--	--	--	--
SDev	46.64074	--	--	--	--	--	--
%RSD	.7609025	--	--	--	--	--	--
#1	6097	--	--	--	--	--	--
#2	6163	--	--	--	--	--	--

Analysis Report 10/13/00 06:35:08 AM page 1

Method: QTESTNAK Sample Name: CCVT Operator: KT
Run Time: 10/13/00 06:29:17
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49232	.48975	.49039	24.300	.50718	1.9764	2.0979
SDev	.00062	.00432	.00762	.098	.00622	.0066	.0046
%RSD	.12503	.88241	1.5539	.40249	1.2265	.33284	.22010
#1	.49188	.49280	.48501	24.369	.51158	1.9717	2.1012
#2	.49275	.48669	.49578	24.231	.50278	1.9810	2.0947
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	.51517	104.69	2.0599	2.0380	1.9472	26.047	99.719
SDev	.00087	.28	.0049	.0046	.0077	.044	.288
%RSD	.16815	.26282	.23829	.22668	.39581	.17001	.28851
#1	.51456	104.89	2.0564	2.0347	1.9527	26.078	99.516
#2	.51579	104.50	2.0634	2.0412	1.9418	26.016	99.923
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	2.0476	1.9998	2.0546	.99845	49.664	.97341	2.0455
SDev	.0062	.0275	.0046	.00118	.247	.01083	.0023
%RSD	.30319	1.3738	.22595	.11834	.49753	1.1130	.11094
#1	2.0432	1.9804	2.0513	.99928	49.839	.96574	2.0471
#2	2.0520	2.0193	2.0579	.99761	49.489	.98107	2.0439
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	2.0563	2.0506	1.9965	.48971	.49176	.49995	.48851
SDev	.0064	.0077	.0042	.01047	.00191	.00105	.00040
%RSD	.31036	.37591	.20905	2.1380	.38868	.20938	.08193
#1	2.0608	2.0452	1.9994	.48231	.49041	.49921	.48822
#2	2.0518	2.0561	1.9935	.49711	.49312	.50069	.48879
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	2.2000	2.2000	2.2000				
Low	1.8000	1.8000	1.8000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
'ge	.49745	.48590	1.964	2.020	1.940
sDev	.00870	.00214	.007	.006	.013
%RSD	1.7483	.43982	.3652	.3029	.6785
#1	.50360	.48741	1.959	2.015	1.931
#2	.49130	.48439	1.969	2.024	1.949
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			2.200	2.200	2.200
Low			1.800	1.800	1.800

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6174	--	--	--	--	--	--
SDev	13.94430	--	--	--	--	--	--
%RSD	.2258515	--	--	--	--	--	--
#1	6184	--	--	--	--	--	--
#2	6164	--	--	--	--	--	--

Method: QTESTNAK Sample Name: CCBT, Operator: KT
Run Time: 10/13/00 06:37:19
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00019	.00260	-.00187	-.02574	-.00113	-.00001	.00001
SDev	.00092	.00071	.00261	.00296	.00038	.00000	.00000
%RSD	478.47	27.358	139.02	11.483	33.639	8.4338	8.8343
#1	.00046	.00209	-.00003	-.02365	-.00086	-.00001	.00001
#2	-.00084	.00310	-.00372	-.02784	-.00140	-.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	.00014	.01919	.00003	.00000	.00053	.00005	-.00279
SDev	.00011	.00028	.00000	.00000	.00002	.00885	.00185
%RSD	80.784	1.4370	12.380	106.64	3.8851	17555.	66.198
#1	.00006	.01900	.00002	.00000	.00052	-.00621	-.00148
#2	.00022	.01939	.00003	.00000	.00055	.00631	-.00409
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00001	.00238	-.00091	.00020	.15704	.00280	-.00023
SDev	.00000	.00001	.00000	.00014	.08056	.00663	.00038
%RSD	8.4338	.40342	.00000	68.436	51.301	237.24	163.26
#1	-.00001	.00237	-.00091	.00010	.10007	.00749	.00004
#2	-.00001	.00238	-.00091	.00030	.21401	-.00189	-.00050
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	.00063	-.00007	.00624	-.00266	-.00030	-.00057	-.00001
SDev	.00000	.00001	.00422	.00346	.00090	.00052	.00164
%RSD	.18672	9.2103	67.636	129.98	301.12	91.105	30926.
#1	.00063	-.00007	.00923	-.00022	.00034	-.00093	.00115
#2	.00064	-.00006	.00326	-.00511	-.00093	-.00020	-.00116
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	-.00176	.00477	.0009	<.0000	.0024
SDev	.00006	.00109	.0013	.0000	.0009
%RSD	3.2176	22.914	141.4	.0000	38.29
#1	-.00172	.00400	.0019	<.0000	.0030
#2	-.00180	.00555	.0000	<.0000	.0017
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	6351	--	--	--	--	--	--
SDev	11.37033	--	--	--	--	--	--
%RSD	.1790220	--	--	--	--	--	--
#1	6359	--	--	--	--	--	--
#2	6343	--	--	--	--	--	--

Analysis Report 10/13/00 06:49:06 AM page 1

Method: QTESTNAK Sample Name: DLTCR Operator: KT
Run Time: 10/13/00 06:43:14
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05640	.00035	-.00328	192.39	.03187	1.1398	.00591
SDev	.00059	.00006	.00095	.32	.00368	.0003	.00009
%RSD	1.0422	17.248	29.130	.16839	11.560	.02923	1.5019
#1	.05599	.00030	-.00260	192.62	.02927	1.1396	.00585
#2	.05682	.00039	-.00395	192.16	.03448	1.1400	.00597
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	-.00051	25.726	.21236	.13189	.19231	223.65	41.919
SDev	.00005	.023	.00012	.00083	.00019	.12	.015
%RSD	9.0146	.09077	.05429	.62945	.09965	.05172	.03632
#1	-.00048	25.710	.21227	.13248	.19245	223.56	41.908
#2	-.00054	25.743	.21244	.13130	.19218	223.73	41.930
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	7.1515	.00909	.14217	-.00257	2.9115	.00821	10.864
SDev	.0142	.00166	.00201	.00029	.0934	.00870	.004
%RSD	.19845	18.303	1.4146	11.184	3.2069	106.00	.03979
#1	7.1415	.01027	.14359	-.00278	2.9775	.01437	10.861
#2	7.1615	.00791	.14075	-.00237	2.8455	.00206	10.867
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	.41818	.53205	.00903	-.00422	-.00138	.07112	.04906
SDev	.00137	.00078	.00003	.00352	.00419	.00140	.00158
%RSD	.32666	.14722	.33779	83.371	303.44	1.9667	3.2201
#1	.41721	.53149	.00905	-.00173	-.00434	.07211	.04794
#2	.41914	.53260	.00901	-.00671	.00158	.07013	.05017
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	-.00671	.00387	.0256	.3835	1.705
SDev	.00596	.00306	.0012	.0007	.003
%RSD	88.751	79.160	4.722	.1904	.1781
#1	-.00250	.00170	.0248	.3830	1.707
#2	-.01092	.00604	.0265	.3840	1.703
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	6296	--	--	--	--	--	--
SDev	32.49860	--	--	--	--	--	--
%RSD	.5161769	--	--	--	--	--	--
#1	6273	--	--	--	--	--	--
#2	6319	--	--	--	--	--	--

Analysis Report 10/13/00 06:57:09 AM page 1

Method: QTESTNAK Sample Name: DLTCT Operator: KT
Run Time: 10/13/00 06:51:18
nment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05317	.00527	-.00096	265.95	.02656	1.4529	.00676
SDev	.00283	.00005	.00644	.11	.00087	.0006	.00004
%RSD	5.3145	.92858	667.00	.04321	3.2635	.04444	.55859
#1	.05118	.00531	-.00552	266.03	.02595	1.4533	.00679
#2	.05517	.00524	.00359	265.87	.02718	1.4524	.00673
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	-.00310	26.929	.20903	.18097	.16935	243.38	51.270
SDev	.00051	.024	.00053	.00090	.00068	.19	.004
%RSD	16.304	.08867	.25614	.49727	.40016	.07638	.00862
#1	-.00274	26.913	.20865	.18033	.16983	243.25	51.267
#2	-.00345	26.946	.20941	.18160	.16887	243.52	51.273
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.7861	.00590	.15210	-.00333	8.9155	.00492	11.371
SDev	.0108	.00518	.00173	.00006	.0830	.00320	.002
%RSD	.15945	87.764	1.1397	1.6621	.93111	65.090	.01368
#1	6.7784	.00957	.15087	-.00329	8.9742	.00718	11.370
#2	6.7937	.00224	.15332	-.00337	8.8568	.00265	11.372
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	.47026	.48855	.01043	-.00279	.00270	.07113	.04421
SDev	.00044	.00004	.00438	.00956	.00018	.00211	.00318
%RSD	.09351	.00763	41.965	342.17	6.7290	2.9609	7.2049
#1	.47058	.48853	.01352	-.00955	.00257	.06964	.04196
#2	.46995	.48858	.00733	.00397	.00283	.07262	.04646
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

001278

Units			ppm	ppm	ppm
Avge	.00028	.00777	.0541	.3610	1.826
SDev	.00121	.00053	.0003	.0001	.004
%RSD	433.19	6.8494	.5608	.0195	.2422
#1	.00114	.00739	.0543	.3610	1.829
#2	-.00058	.00814	.0539	.3609	1.822
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6183	--	--	--	--	--	--
SDev	34.67654	--	--	--	--	--	--
%RSD	.5608006	--	--	--	--	--	--
#1	6159	--	--	--	--	--	--
#2	6208	--	--	--	--	--	--

Analysis Report 10/13/00 07:05:12 AM page 1

Method: QTESTNAK Sample Name: DLTCW Operator: KT
Run Time: 10/13/00 06:59:21
ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06770	L-.00865	-.00814	297.50	.04084	1.6509	.00901
SDev	.00085	.00537	.00061	.52	.00447	.0028	.00014
%RSD	1.2554	62.148	7.5195	.17540	10.938	.16977	1.5916
#1	.06710	L-.01244	-.00857	297.13	.03768	1.6529	.00911
#2	.06830	-.00485	-.00771	297.86	.04400	1.6489	.00891
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	-.00251	67.106	.31530	.14809	.27038	359.43	94.057
SDev	.00044	.067	.00020	.00188	.00065	.28	.156
%RSD	17.484	.09953	.06510	1.2671	.24131	.07846	.16572
#1	-.00282	67.153	.31545	.14942	.27085	359.62	94.168
#2	-.00220	67.059	.31516	.14677	.26992	359.23	93.947
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	7.5388	.00803	.29958	-.00379	19.733	.01188	18.189
SDev	.0125	.00170	.00056	.00034	.040	.01115	.022
%RSD	.16595	21.215	.18558	8.9218	.20332	93.869	.12329
#1	7.5477	.00924	.29919	-.00355	19.761	.00399	18.173
#2	7.5300	.00683	.29997	-.00403	19.704	.01976	18.205
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.64159	.74302	.01064	-.01165	-.00111	.08960	.05676
SDev	.00156	.00186	.00421	.00186	.00188	.00166	.00210
%RSD	.24312	.25075	39.590	15.942	169.38	1.8532	3.7051
#1	.64048	.74433	.00766	-.01296	.00022	.09078	.05528
#2	.64269	.74170	.01362	-.01034	-.00244	.08843	.05825
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	-.01533	-.00531	.0371	.7902	2.714
SDev	.01083	.01346	.0013	.0012	.010
%RSD	70.640	253.56	3.387	.1537	.3619
#1	-.00767	-.01483	.0362	.7910	2.721
#2	-.02298	.00421	.0380	.7893	2.707
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	6278	--	--	--	--	--	--
SDev	15.04743	--	--	--	--	--	--
%RSD	.2396698	--	--	--	--	--	--
#1	6268	--	--	--	--	--	--
#2	6289	--	--	--	--	--	--

Analysis Report 10/13/00 07:11:07 AM page 1

Method: QTESTNAK Sample Name: DLTCX Operator: KT
Run Time: 10/13/00 07:05:16
omment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05360	.00061	-.00602	257.51	.03244	1.2205	.00736
SDev	.00007	.00257	.00027	.43	.00171	.0035	.00003
%RSD	.12728	422.43	4.5609	.16779	5.2655	.28620	.35796
#1	.05364	.00242	-.00583	257.81	.03123	1.2180	.00738
#2	.05355	-.00121	-.00622	257.20	.03364	1.2229	.00734
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00401	26.340	.24213	.11485	.19174	269.78	57.620
SDev	.00035	.020	.00040	.00018	.00011	.08	.158
%RSD	8.6444	.07623	.16576	.16045	.05861	.02936	.27477
#1	-.00426	26.326	.24184	.11472	.19182	269.73	57.508
#2	-.00377	26.354	.24241	.11498	.19166	269.84	57.732
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	4.9426	.00372	.14833	-.00210	7.3309	.01177	12.317
SDev	.0199	.00167	.00180	.00007	.0692	.00132	.002
%RSD	.40278	44.989	1.2132	3.1353	.94398	11.219	.01385
#1	4.9286	.00490	.14960	-.00205	7.3799	.01271	12.316
#2	4.9567	.00253	.14706	-.00214	7.2820	.01084	12.318
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	.53124	.52916	.00038	-.00965	.00123	.07029	.04526
SDev	.00130	.00180	.00859	.00177	.00437	.00223	.00121
%RSD	.24566	.33948	2288.8	18.339	353.85	3.1702	2.6842
#1	.53032	.52789	-.00570	-.01090	.00432	.06872	.04612
#2	.53217	.53043	.00645	-.00840	-.00185	.07187	.04440
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	.00175	.00004	.0499	.3538	1.726
SDev	.00010	.00390	.0002	.0009	.001
%RSD	5.4622	9919.2	.3434	.2697	.0439
#1	.00168	.00280	.0500	.3532	1.726
#2	.00182	-.00272	.0498	.3545	1.727
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6226	--	--	--	--	--	--
SDev	21.38273	--	--	--	--	--	--
%RSD	.3434425	--	--	--	--	--	--
#1	6211	--	--	--	--	--	--
#2	6241	--	--	--	--	--	--

Analysis Report 10/13/00 07:21:15 AM page 1

Method: QTESTNAK Sample Name: DLTD1 Operator: KT
Run Time: 10/13/00 07:15:24
mment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06016	-.00496	-.00499	275.30	.03025	1.8449	.00796
SDev	.00152	.00258	.00537	.01	.00374	.0005	.00017
%RSD	2.5175	52.041	107.62	.00220	12.371	.02772	2.1207
#1	.06124	L-.00678	-.00119	275.30	.02760	1.8446	.00808
#2	.05909	-.00313	-.00879	275.31	.03290	1.8453	.00784
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	-.00111	85.832	.27417	.12888	.17288	292.20	63.962
SDev	.00039	.039	.00114	.00089	.00121	.13	.004
%RSD	34.617	.04488	.41629	.69007	.70219	.04373	.00549
#1	-.00084	85.804	.27336	.12951	.17373	292.11	63.964
#2	-.00139	85.859	.27498	.12826	.17202	292.29	63.959
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	6.0392	.00542	.16769	-.00266	9.0194	.00909	14.106
SDev	.0185	.00167	.00158	.00006	.1243	.00226	.000
%RSD	.30560	30.754	.93914	2.2905	1.3785	24.912	.00013
#1	6.0261	.00660	.16880	-.00262	9.1073	.00749	14.106
#2	6.0522	.00424	.16658	-.00271	8.9315	.01069	14.106
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	.57880	.56039	.00831	-.00772	.00048	.07995	.05029
SDev	.00097	.00134	.00435	.00753	.00105	.00887	.00216
%RSD	.16680	.23847	52.386	97.502	217.09	11.093	4.2892
#1	.57812	.55945	.00523	-.00240	.00122	.08622	.04876
#2	.57948	.56134	.01138	-.01305	-.00026	.07368	.05181
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	-.00655	-.00416	.0630	.5267	1.399
SDev	.00092	.00341	.0003	.0001	.001
%RSD	14.042	81.899	.5423	.0140	.0716
#1	-.00720	-.00657	.0633	.5266	1.400
#2	-.00590	-.00175	.0628	.5267	1.399
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6065	--	--	--	--	--	--
SDev	32.89462	--	--	--	--	--	--
%RSD	.5423269	--	--	--	--	--	--
#1	6042	--	--	--	--	--	--
#2	6089	--	--	--	--	--	--

Analysis Report 10/13/00 07:29:18 AM page 1

Method: QTESTNAK Sample Name: DLTD5 Operator: KT
Run Time: 10/13/00 07:23:27
mment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.08593	-.00147	-.00317	371.96	.09096	4.0656	.01085
SDev	.00266	.00841	.00345	.02	.00076	.0161	.00004
%RSD	3.0980	573.45	108.55	.00611	.83188	.39514	.37685
#1	.08781	.00448	-.00561	371.97	.09150	4.0542	.01088
#2	.08405	L-.00741	-.00074	371.94	.09043	4.0770	.01082
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00086	43.681	.30575	.33136	.21638	496.06	53.216
SDev	.00139	.071	.00136	.00085	.00047	.40	.140
%RSD	160.54	.16332	.44423	.25604	.21785	.07987	.26218
#1	.00184	43.631	.30479	.33076	.21671	495.77	53.117
#2	-.00012	43.732	.30671	.33196	.21605	496.34	53.315
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	15.659	.02156	.18011	-.00425	8.5321	.01731	11.474
SDev	.085	.00724	.00068	.00022	.0769	.00070	.009
%RSD	.54048	33.570	.37960	5.2594	.90145	4.0249	.07999
#1	15.599	.02668	.17963	-.00440	8.5864	.01780	11.481
#2	15.719	.01644	.18059	-.00409	8.4777	.01681	11.468
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	.74719	.68128	.00583	-.00605	.00258	.11563	.07110
SDev	.00046	.00424	.00005	.00927	.00822	.00038	.00380
%RSD	.06187	.62244	.93246	153.32	318.82	.33107	5.3445
#1	.74752	.67828	.00587	-.01260	.00839	.11590	.07379
#2	.74687	.68428	.00580	.00051	-.00324	.11536	.06842
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	-.00248	-.00096	.0424	.7889	1.624
SDev	.00447	.01484	.0002	.0033	.001
%RSD	180.50	1542.8	.3706	.4218	.0545
#1	-.00564	.00953	.0425	.7865	1.625
#2	.00068	-.01146	.0423	.7913	1.624
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	5915	--	--	--	--	--	--
SDev	21.92031	--	--	--	--	--	--
%RSD	.3705797	--	--	--	--	--	--
#1	5900	--	--	--	--	--	--
#2	5931	--	--	--	--	--	--

Analysis Report 10/13/00 07:37:21 AM page 1

Method: QTESTNAK Sample Name: DLTD7 Operator: KT
Run Time: 10/13/00 07:31:30
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.40415	.00332	-.00087	205.65	.02561	1.1014	.00603
SDev	.00048	.01006	.00143	.34	.00412	.0002	.00010
%RSD	.11933	303.25	164.04	.16352	16.084	.02056	1.6066
#1	.40449	.01043	-.00189	205.89	.02853	1.1012	.00597
#2	.40381	-.00380	.00014	205.41	.02270	1.1016	.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	-.00194	26.791	.30353	.09838	.17037	221.88	44.671
SDev	.00062	.051	.00079	.00018	.00070	.12	.063
%RSD	31.691	.19011	.25988	.18171	.41189	.05354	.14039
#1	-.00238	26.755	.30297	.09826	.17086	221.80	44.627
#2	-.00151	26.827	.30409	.09851	.16987	221.96	44.715
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	4.7697	.00361	.13380	-.00240	6.9438	.00898	12.395
SDev	.0171	.00170	.00055	.00008	.0373	.00311	.003
%RSD	.35927	47.055	.41089	3.2685	.53712	34.671	.02639
#1	4.7576	.00481	.13419	-.00246	6.9702	.00678	12.397
#2	4.7818	.00241	.13341	-.00235	6.9175	.01118	12.392
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	.45513	.46204	.02087	-.00106	-.00050	.42021	.39613
SDev	.00224	.00177	.00877	.00343	.00256	.00196	.00026
%RSD	.49196	.38341	42.051	323.63	507.59	.46660	.06458
#1	.45355	.46078	.02707	-.00348	.00130	.42160	.39595
#2	.45672	.46329	.01466	.00136	-.00231	.41883	.39631
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	-.01632	.01312	.0379	.3241	1.767
SDev	.01241	.00888	.0012	.0003	.010
%RSD	76.064	67.708	3.218	.0919	.5546
#1	-.00754	.01940	.0371	.3239	1.760
#2	-.02510	.00684	.0388	.3243	1.774
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6140	--	--	--	--	--	--
SDev	25.05982	--	--	--	--	--	--
%RSD	.4081139	--	--	--	--	--	--
#1	6123	--	--	--	--	--	--
#2	6158	--	--	--	--	--	--

Analysis Report 10/13/00 07:45:24 AM page 1

Method: QTESTNAK Sample Name: DLTD9 Operator: KT
Run Time: 10/13/00 07:39:33
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06867	.00137	-.01094	236.27	.02977	1.1376	.00763
SDev	.00156	.00241	.01145	.44	.00108	.0132	.00018
%RSD	2.2758	176.43	104.61	.18780	3.6350	1.1648	2.3843
#1	.06757	.00307	-.01903	236.58	.02900	1.1282	.00776
#2	.06978	-.00034	-.00285	235.95	.03053	1.1469	.00750
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	-.00273	31.067	.26454	.12007	.21237	273.00	44.327
SDev	.00053	.068	.00877	.00430	.00167	.47	.839
%RSD	19.332	.22024	3.3138	3.5840	.78844	.17248	1.8932
#1	-.00310	31.019	.25835	.11703	.21355	272.66	43.733
#2	-.00236	31.116	.27074	.12312	.21118	273.33	44.920
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	4.0133	.00658	.12920	-.00101	6.4240	.00128	10.007
SDev	.1310	.00155	.00474	.00218	.3929	.00861	.010
%RSD	3.2651	23.556	3.6675	214.95	6.1155	671.85	.10174
#1	3.9206	.00768	.12585	.00053	6.7018	-.00481	10.000
#2	4.1059	.00549	.13255	-.00255	6.1462	.00737	10.014
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	.47418	.55153	.00433	-.01802	.00323	.10360	.05124
SDev	.00064	.02074	.01280	.02138	.00845	.02077	.01271
%RSD	.13410	3.7614	295.53	118.67	261.64	20.046	24.809
#1	.47373	.53686	-.00472	-.03313	.00921	.11828	.04225
#2	.47463	.56619	.01338	-.00290	-.00275	.08891	.06023
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	.01443	-.00515	.0354	.3643	1.612
SDev	.01778	.00526	.0038	.0052	.031
%RSD	123.25	102.10	10.68	1.424	1.948
#1	.02700	-.00887	.0327	.3607	1.590
#2	.00185	-.00143	.0380	.3680	1.635
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6248	--	--	--	--	--	--
SDev	49.58207	--	--	--	--	--	--
%RSD	.7936102	--	--	--	--	--	--
#1	6213	--	--	--	--	--	--
#2	6283	--	--	--	--	--	--

Analysis Report 10/13/00 07:53:27 AM page 1

Method: QTESTNAK Sample Name: DLTDC Operator: KT
Run Time: 10/13/00 07:47:36
›mment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04895	-.00205	-.00465	187.08	.02563	1.0200	.00593
SDev	.00134	.00458	.00342	.43	.00106	.0007	.00003
%RSD	2.7444	224.12	73.452	.22895	4.1467	.06620	.53466
#1	.04800	.00120	-.00707	187.38	.02488	1.0196	.00596
#2	.04990	L-.00529	-.00224	186.78	.02639	1.0205	.00591
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00301	23.219	.20936	.09114	.15957	208.97	39.843
SDev	.00053	.020	.00071	.00077	.00113	.27	.023
%RSD	17.625	.08462	.33701	.84464	.71006	.12822	.05764
#1	-.00263	23.205	.20886	.09059	.16037	208.78	39.827
#2	-.00338	23.232	.20986	.09168	.15877	209.16	39.859
›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	3.9746	.00488	.11896	-.00186	5.4551	.00490	11.714
SDev	.0149	.00167	.00001	.00028	.0667	.01038	.009
%RSD	.37537	34.194	.00904	14.847	1.2226	211.83	.08008
#1	3.9641	.00606	.11896	-.00166	5.5022	.01224	11.721
#2	3.9852	.00370	.11897	-.00205	5.4079	-.00244	11.708
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	.43540	.40463	.00014	-.00643	-.00110	.06316	.04185
SDev	.00036	.00010	.00435	.00733	.00442	.00330	.00366
%RSD	.08284	.02561	3031.9	114.05	401.53	5.2201	8.7449
#1	.43515	.40470	-.00293	-.01161	.00202	.06549	.03927
#2	.43566	.40456	.00322	-.00124	-.00422	.06083	.04444
›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	-.00785	.00085	.0349	.2998	1.490
SDev	.01583	.00103	.0026	.0004	.002
%RSD	201.77	121.19	7.325	.1207	.1046
#1	.00335	.00012	.0331	.2995	1.489
#2	-.01904	.00158	.0367	.3000	1.491
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6168	--	--	--	--	--	--
SDev	32.86631	--	--	--	--	--	--
%RSD	.5328761	--	--	--	--	--	--
#1	6144	--	--	--	--	--	--
#2	6191	--	--	--	--	--	--

Analysis Report 10/13/00 08:01:30 AM page 1

Method: QTESTNAK Sample Name: CCVT Operator: KT
Run Time: 10/13/00 07:55:39
mment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50060	.49873	.49585	24.698	.49954	1.9975	2.1179
SDev	.01004	.00528	.00744	.451	.00251	.0298	.0359
%RSD	2.0062	1.0591	1.5006	1.8257	.50348	1.4908	1.6940
#1	.50770	.50246	.50111	25.016	.49776	2.0186	2.1433
#2	.49349	.49499	.49059	24.379	.50132	1.9765	2.0925
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	.51864	105.61	2.0672	2.0513	1.9828	26.289	100.53
SDev	.00713	1.86	.0281	.0283	.0343	.477	1.54
%RSD	1.3756	1.7594	1.3581	1.3772	1.7277	1.8142	1.5290
#1	.52368	106.93	2.0870	2.0713	2.0070	26.626	101.62
#2	.51359	104.30	2.0473	2.0313	1.9585	25.952	99.444
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	2.0580	2.0199	2.0641	1.0109	50.466	.98714	2.0598
SDev	.0279	.0058	.0304	.0177	.772	.01088	.0372
%RSD	1.3547	.28662	1.4707	1.7521	1.5307	1.1023	1.8052
#1	2.0777	2.0240	2.0855	1.0235	51.012	.99483	2.0861
#2	2.0383	2.0158	2.0426	.99842	49.920	.97944	2.0335
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	2.0771	2.0621	1.9880	.49295	.50165	.50581	.49799
SDev	.0325	.0277	.0178	.00876	.00479	.00823	.01095
%RSD	1.5629	1.3438	.89353	1.7773	.95587	1.6273	2.1984
#1	2.1001	2.0817	2.0006	.49914	.50504	.51163	.50573
#2	2.0542	2.0425	1.9754	.48675	.49826	.49999	.49025
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	2.2000	2.2000	2.2000				
Low	1.8000	1.8000	1.8000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
vge	.50536	.49542	1.965	2.039	1.954
SDev	.01485	.00051	.030	.031	.027
%RSD	2.9381	.10214	1.506	1.525	1.389
#1	.51585	.49578	1.986	2.061	1.973
#2	.49486	.49506	1.944	2.017	1.935
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	6105	--	--	--	--	--	--
SDev	109.1492	--	--	--	--	--	--
%RSD	1.787767	--	--	--	--	--	--
#1	6028	--	--	--	--	--	--
#2	6183	--	--	--	--	--	--

Analysis Report QC Standard 10/13/00 08:09:33 AM page 1

Method: QTESTNAK Sample Name: CCBT, Operator: KT
Run Time: 10/13/00 08:03:42
mment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00055	-.00195	.00040	-.00780	.00078	-.00001	.00001
SDev	.00006	.00111	.00092	.00117	.00057	.00000	.00000
%RSD	10.955	57.019	228.42	14.958	72.702	12.635	13.388
#1	.00051	-.00116	-.00025	-.00697	.00038	-.00001	.00000
#2	.00059	-.00273	.00105	-.00862	.00118	-.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	.00023	.01983	.00017	-.00048	.00039	.00636	-.00144
SDev	.00037	.00033	.00057	.00068	.00029	.00586	.00002
%RSD	160.20	1.6768	339.62	141.79	75.271	92.261	1.2548
#1	-.00003	.02006	.00057	-.00096	.00060	.00221	-.00143
#2	.00050	.01959	-.00024	.00000	.00018	.01050	-.00146
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00001	.00240	-.00091	.00030	.06802	.00272	-.00024
SDev	.00000	.00001	.00000	.00028	.04372	.00161	.00037
%RSD	12.635	.41262	.00000	92.776	64.280	59.266	156.02
#1	-.00000	.00240	-.00091	.00010	.09894	.00386	.00002
#2	-.00001	.00239	-.00091	.00049	.03710	.00158	-.00050
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	.00064	-.00005	-.00276	.00021	.00079	-.00056	.00110
SDev	.00000	.00001	.00849	.00078	.00120	.00102	.00060
%RSD	.19533	13.318	307.50	374.88	151.60	183.70	54.514
#1	.00064	-.00005	-.00876	-.00034	-.00006	.00017	.00068
#2	.00064	-.00006	.00324	.00076	.00164	-.00128	.00152
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	-.00669	.00042	.0009	<.0000	.0017
SDev	.00536	.00101	.0013	.0000	.0009
%RSD	80.107	241.02	141.4	.0000	52.14
#1	-.00290	-.00030	.0019	<.0000	.0024
#2	-.01048	.00113	.0000	<.0000	.0011
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value			.0000	.0000	.0000
Range			.2000	.0500	.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6325	--	--	--	--	--	--
SDev	13.60455	--	--	--	--	--	--
%RSD	.2150843	--	--	--	--	--	--
#1	6316	--	--	--	--	--	--
#2	6335	--	--	--	--	--	--

STL LOS ANGELES

Précis

Metals Preparation

Batch: 0285268

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

Prepared By: TM/lcr Date/Time Initiated: 10/11/00/ 11:30

Reviewed By: lcr Date/Time Completed: ↓ / 16:30

Hot Plate/Block # 24 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	1.0 mL	QSKP1B-072000-1	07/2001
3. QSPK2A	1.0 mL	QSPK2A 072000-1	04/2002
4. QSPK2B	0.1 mL	QCAL6B-112299-1	05/2001

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

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

Method 3050B

Step 1. Thoroughly mix and weigh 1.0g (±0.01g) sample.
Step 2. Add 10 mL of 1:1 HNO_3.
Step 3. Cover and heat at 95°C for 10 min.
Step 4. Cool and add 5 mL conc. HNO_3, cover and heat at 95 °C for 30 min.
Step 5. If brown fumes observed, repeat last step until no fumes are evolved.
Step 6. Reduce volume to approx. 5 mL or heat for 2 hours. → 1:30
Step 7. Cool and add 2 mL of water and 3 Ml of 30% H_2O_2.
Step 8. Heat until effervescence subsides.
Step 9. Cool and add 1 mL H_2O_2 with heat effervescence is minimal.
Step 10. Reduce volume to approx. 5 mL or heat for 2 hours. → 3:45
Step 11. Add 10 mL of conc. HCl and heat for 15 min.
Step 12. Cool, rinse and filter sample with DI water.
Step 13. Dilute to100 mL with DI water and mix sample.

Redigestion required - Samples/Reason: _____

Requested By: _____ Date: _____ Completed By: _____ Date: _____

Digestate Chain-of-Custody:

Relinquished By: lcr Date: 10/11/00 Received By: lcr Date: 10/11/00

N:\inorganics\metals\forms\Q_prep
10/06/00

RQC057

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

Run Date: 10/11/00
Time: 11:28:37

BATCH NUMBER: **0285268**

PREP DATE: 10/11/00
DUE DATE 10/10/00

INITIALS: Th 10/11/00

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
L0J090184	DLRVW	01	X 1.00 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
L0J090184	DLRW5	01	X 1.01 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
L0J090184	DLRW9	01	X 1.00 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
L0J090184	DLRWA	01	X 1.01 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
L0J090184	DLRWF	01	X 1.00 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0J090227	DLTDE	01	X 1.00 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
	DLTDES		1.00 g	_____g	_____g	_____g
	DLTDED		2.99 g	_____g	_____g	_____g
#1 E0J100266	DLW4A	01	X 1.00 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/17/00			
#2 E0J100266	DLW4C	01	X 1.00 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/17/00			
E0J110000	DLX43B	01	X 1.00 g	_____g	_____g	_____g
SOLID	DUE DATE:		0/00/00			
	DLX43C		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_____

001299

BOE-C6-0150417

RQC057

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

Run Date: 10/11/00
Time: 11:28:37

BATCH NUMBER: **0285268**

PREP DATE: 10/11/00
DUE DATE 10/10/00

INITIALS: _____

COMMENTS: _____

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

SPIKING WITNESSED BY _____

ICP ELEMENTS WITHIN THE BATCH:

AG AL AS BA BE CA CD CO CR CU FE KX MG MN MO NA NI PB SB SE TL VX

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: 0285258

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

Prepared By: [illegible] Date/Time Initiated: 10/11/00 / 14:30

Reviewed By: [illegible] Date/Time Completed: 10/11/00 / 20:00

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	5240T15A01
HCl	10.0 mL	5587 N41A07

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

Method 3050B

Step 1. Thoroughly mix and weigh 1.0g (±0.01g) sample.
Step 2. Add 10 mL of 1:1 HNO_3.
Step 3. Cover and heat at 95°C for 10 min.
Step 4. Cool and add 5 mL conc. HNO_3, cover and heat at 95 °C for 30 min.
Step 5. If brown fumes observed, repeat last step until no fumes are evolved.
Step 6. Reduce volume to approx. 5 mL or heat for 2 hours. → 16:40
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. → 18:45
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: 10/11/00 Received By: [illegible] Date: 10/12/00

N:\inorganics\metals\forms\Q_prep
10/06/00

RQC057

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

Run Date: 10/11/00
Time: 11:27:44

BATCH NUMBER: **0285258**

PREP DATE: 10/11/00
DUE DATE 10/16/00

INITIALS: 107

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0J090227 SOLID	DLTCA TO DUE DATE:	01	X 1.00 g 10/16/00	g	g	g
	DLTCAS		1.01 g	g	g	g
	DLTCAD		1.00 g	g	g	g
E0J090227 SOLID	DLTCE TO DUE DATE:	01	X 1.00 g 10/16/00	g	g	g
E0J090227 SOLID	DLTCF TO DUE DATE:	01	X 1.00 g 10/16/00	g	g	g
E0J090227 SOLID	DLTCG TO DUE DATE:	01	X 1.01 g 10/16/00	g	g	g
E0J090227 SOLID	DLTCH TO DUE DATE:	01	X 1.01 g 10/16/00	g	g	g
E0J090227 SOLID	DLTCK TO DUE DATE:	01	X 1.00 g 10/16/00	g	g	g
E0J090227 SOLID	DLTCL TO DUE DATE:	01	X 1.01 g 10/16/00	g	g	g
E0J090227 SOLID	DLTCM TO DUE DATE:	01	X 1.01 g 10/16/00	g	g	g
E0J090227 SOLID	DLTCN TO DUE DATE:	01	X .99 g 10/16/00	g	g	g
E0J090227 SOLID	DLTCP TO DUE DATE:	01	X .99 g 10/16/00	g	g	g
E0J090227 SOLID	DLTCQ TO DUE DATE:	01	X 1.00 g 10/16/00	g	g	g
E0J090227 SOLID	DLTCR TO DUE DATE:	01	X 1.00 g 10/16/00	g	g	g
E0J090227 SOLID	DLTCT TO DUE DATE:	01	X 1.00 g 10/16/00	g	g	g
E0J090227 SOLID	DLTCW TO DUE DATE:	01	X 1.01 g 10/16/00	g	g	g

RQC057

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

Run Date: 10/11/00
Time: 11:27:44

BATCH NUMBER: **0285258**

PREP DATE: 10/11/00
DUE DATE 10/16/00

INITIALS: ky

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0J090227	DLTCX	01	X 1.00 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
E0J090227	DLTD1	01	X 1.01 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
E0J090227	DLTD5	01	X 1.01 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
E0J090227	DLTD7	01	X 1.01 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
E0J090227	DLTD9	01	X 1.00 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
E0J090227	DLTDC	01	X 1.00 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/16/00			
E0J110000	DLX2CB	01	X 1.00 g	_____g	_____g	_____g
SOLID	DUE DATE:		0/00/00			
	DLX2CC		1.03 g	_____g	_____g	_____g

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

COMMENTS: Final Vol: 100 ml

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

SPIKING WITNESSED BY _____

RQC057

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

Run Date: 10/11/00
Time: 11:27:44

BATCH NUMBER: **0285258**

PREP DATE: 10/11/00
DUE DATE 10/16/00

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	_____	_____	____	___	___