TEPH

SAMPLE AND QC DATA

$C_8 \rightarrow C_{40}^+$

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

Instrument ID: GC1 GC2 GC3

Lab #: EOI260285

Batch #: 0271551

Samples: 8, 11, 12, 13, 14, 16, 17, 19, 20, 21, 22, 24, 25

ICAL 10-3

Turbochrom Sequence File : C:\TC4\DATA_01\005.SEQ
Created by : doug on : 10/5/00 08:10 AM
Edited by : EC on : 10/6/00 11:17 AM
Description :

Number of Times Edited : 8

Sequence File Header Information:

FX 10/6/00 New sequence

Number of Rows : 103
Instrument Type : 760 / 900 Series Intelligent Interface
Injection Type : SINGLE

Sequence Sample Descriptions - Channel A

Row	Type	Sample Name	Sample Number	Study Name	Sample Amount	ISTD Amount	Sample Volume	Dil. Factor	Mult	Divisor	Addend	Norm. factor
1	Sample	MECL2	MECL2	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
2	Sample	DAILY RT MAKER	C8-C40	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
3	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
4	Sample	MECL2	MECL2	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
5	Sample	MECL2	MECL2	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
6	Sample	MECL2	MECL2	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
7	Sample	DAILY RT MAKER	C8-C40	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
8	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
9	Std Check	343-MB	DL7M4101B	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
10	Std Check	343-LCS	DL7M4102C	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
11	Sample	343-04 50X	DL662104	ICAL 8/28/	1.000	1.000	1.000	50.000	5.000	923.000	0.000	100.000
12	Sample	343-04 MS 50X	DL662105S	ICAL 8/28/	1.000	1.000	1.000	50.000	5.000	914.000	0.000	100.000
13	Sample	343-04 MSD 50X	DL662106D	ICAL 8/28/	1.000	1.000	1.000	50.000	5.000	908.000	0.000	100.000
14	Sample	343-05	DL663102	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	923.000	0.000	100.000
15	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
16	Sample	303/305-MB	DLAXT101B	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
[illegible]	Sample	303/305-LCS	DLAXT102C	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
18	Sample	303/305-LCD	DLAXT103L	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
19	Sample	303-01	DL87M104	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	940.000	0.000	100.000
20	Sample	305-01	DL886103	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	960.000	0.000	100.000
21	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
22	Std Check	#TEPH00-167 RT	30 PPM	ICAL 9/21/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
23	Sample	285-08	DL3G810M	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
24	Sample	285-09 2X	DL3G910M	ICAL 8/28/	1.000	1.000	1.000	2.000	5.000	20.000	0.000	100.000
25	Sample	285-11	DL3GC10M	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
26	Sample	285-12	DL3GD10M	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
27	Sample	285-13	DL3GE10M	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
28	Sample	285-14	DL3GF10M	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
29	Sample	285-16	DL3GJ10M	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
30	Sample	285-17 2X	DL3GK10M	ICAL 8/28/	1.000	1.000	1.000	2.000	5.000	20.000	0.000	100.000
31	Sample	285-19	DL3GM10M	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
32	Sample	285-20	DL3GN10M	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
33	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
34	Std Check	#TEPH00-167 RT	30 PPM	ICAL 9/21/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
35	Sample	285-21	DL3GP10M	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
36	Sample	285-22	DL3GR10M	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
37	Sample	285-24	DL2GW10M	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
38	Sample	285-25	DL3GX10M	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
39	Sample	MECL2	MECL2	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
40	Sample	285-MB	DL60H101B	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
41	Sample	285-LCS	DL60H102C	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
42	Sample	285-27	DL3H310M	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
43	Sample	285-36	DL3HG10M	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
44	Sample	285-37	DL3HH10M	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
45	Sample	285-38	DL3HJ10M	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
46	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
47	Std Check	#TEPH00-167 RT	30 PPM	ICAL 9/21/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
48	Sample	285-42	DL3HR10M	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
49	Sample	285-43	DL3HW10M	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
50	Sample	285-44	DL3J110M	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
51	Sample	285-45	DL3J210M	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
52	Sample	285-47	DL3J410M	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
53	Sample	285-48	DL3J510M	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
54	Sample	285-49	DL3J610M	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
55	Sample	285-MB	DL60H101B	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
56	Sample	285-09 5X	DL3G910M	ICAL 8/28/	1.000	1.000	1.000	5.000	5.000	20.000	0.000	100.000
57	Sample	285-50 10X	DL3J710M	ICAL 8/28/	1.000	1.000	1.000	10.000	5.000	20.000	0.000	100.000
58	Sample	MECL2	MECL2	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
59	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
60	Std Check	#TEPH00-167 RT	30 PPM	ICAL 9/21/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000

Software Version: 4.1<2F12>
Sample Name : #TEPH00-171 DIESEL STD Time : 10/6/00 10:15 AM
Sample Number: 1000 PPM Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/5/00 06:50 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

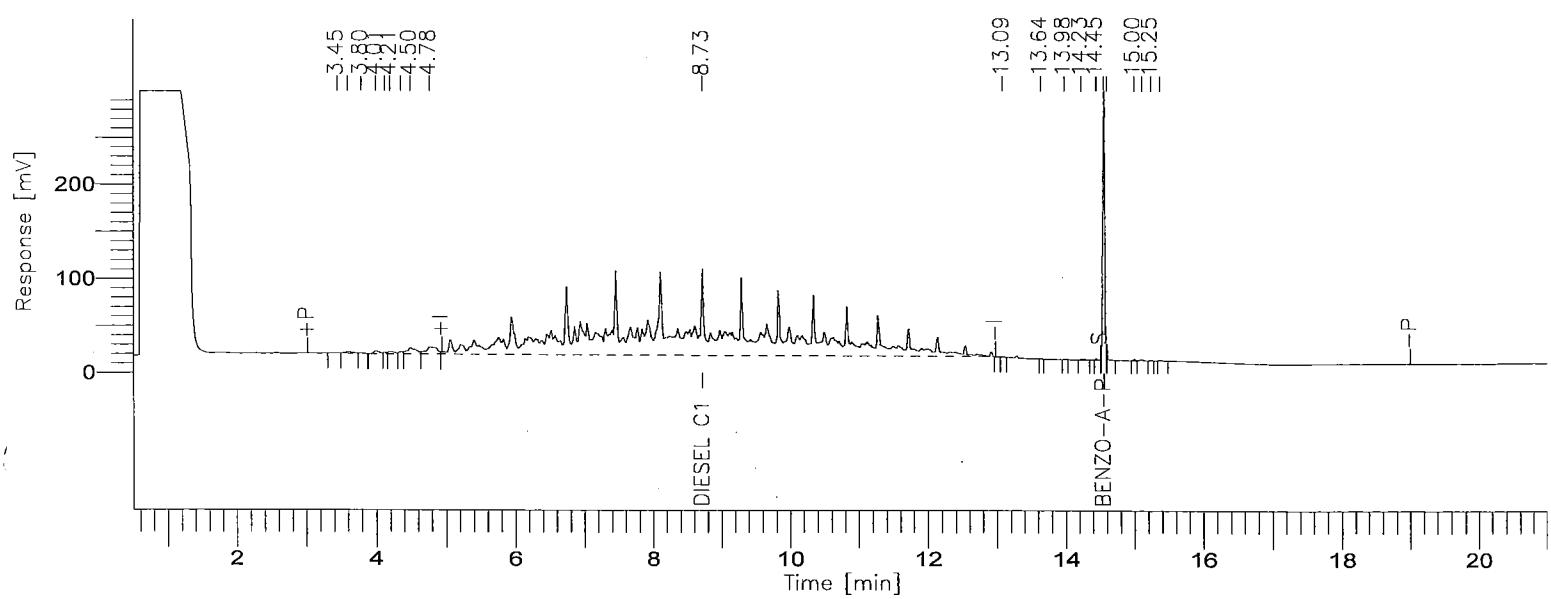
Raw Data File : C:\TC4\DATA_01\O05_021.RAW
Result File : C:\TC4\DATA_01\O05_021.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O05_021.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O05_021.R
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O05_021.R
Sequence File : C:\TC4\DATA_01\O05.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



001440

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
3.454		2921	0.0029	------	----------
3.607		14855	0.0149	------	----------
3.804		4130	0.0041	------	----------
4.007		15716	0.0157	------	----------
4.131		4435	0.0044	------	----------
4.207		14563	0.0146	------	----------
4.369		10156	0.0102	------	----------
4.501		57355	0.0574	------	----------
4.780		79303	0.0793	------	----------
8.732	DIESEL C10-C24	7937082	1073.7517	1000.0	7.38
13.087		1769	0.0018	------	----------
13.644		1349	0.0013	------	----------
13.982		513	0.0005	------	----------
14.234		3285	0.0033	------	----------
14.451		2914	0.0029	------	----------
14.563	BENZO-A-PYRENE	567951	53.8200	50.0	7.64
14.600		1475	0.0015	------	----------
14.998		2860	0.0029	------	----------
15.114		3444	0.0034	------	----------
15.248		2189	0.0022	------	----------
15.372		2119	0.0021	------	----------
		8730386	1127.7970		

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\005_021.TX0

Software Version: 4.1<2F12>
Sample Name : #TEPH00-167 RT MARKER Time : 10/5/00 07:40 PM
Sample Number: 30 PPM Study : ICAL 9/21/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/5/00 07:19 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

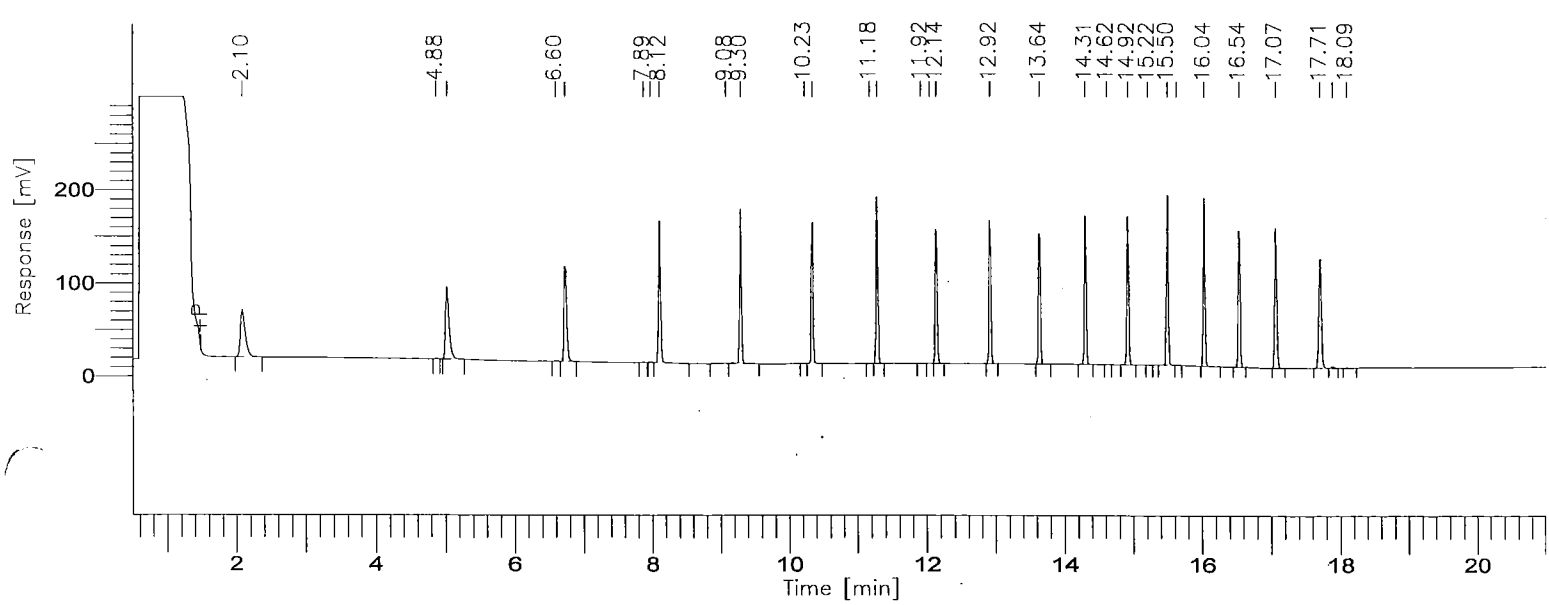
Raw Data File : C:\TC4\DATA_01\O05_022.RAW
Result File : C:\TC4\DATA_01\O05_022.RST
Inst Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\O05_022.RS
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A
Sequence File : C:\TC4\DATA_01\O05.SEQ

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



001442

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
3.446	C8-C9	250650	25.0855	30.0	-16.38
5.772	C10-C11	271896	25.7687	30.0	-14.10
7.314	C12-C13	277972	25.9034	30.0	-13.66
8.586	C14-C15	292009	24.2414	30.0	-19.20
9.692	C16-C17	296658	27.4087	30.0	-8.64
10.720	C18-C19	288961	24.0614	30.0	-19.80
12.018	C20-C23	582292	26.8179	30.0	-10.61
13.534	C24-C27	585400	27.8902	30.0	-7.03
14.819	C28-C31	594669	27.7003	30.0	-7.67
15.898	C32-C35	601418	27.9372	30.0	-6.88
16.990	C36-C39	604663	28.2313	30.0	-5.90
19.290	C40+	301617	29.2138	30.0	-2.62
		4948206	320.2598		

$\bar{x}$ = 11.04 g

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
2.101		249702	0.2497	------	----------
4.881		948	0.0009	------	----------
		250650	0.2507		

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
5.036		270414	0.2704	------	----------
6.604		1482	0.0015	------	----------
		271896	0.2719		

Group Report For : C12-C13

Time	Component	Area	ACTUAL	TRUE	%

[min]	Name	[µV·s]	VALUE (PPM)	VALUE	D
6.741		275742	0.2757	------	----------
7.886		401	0.0004	------	----------
7.984		1829	0.0018	------	----------
		277972	0.2780		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
8.119		286043	0.2860	------	----------
9.082		5967	0.0060	------	----------
		292009	0.2920		

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
9.300		295402	0.2954	------	----------
10.231		1255	0.0013	------	----------
		296658	0.2967		

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
10.346		287467	0.2875	------	----------
11.182		1494	0.0015	------	----------
		288961	0.2890		

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
11.285		289698	0.2897	------	----------
11.920		961	0.0010	------	----------
12.048		1267	0.0013	------	----------
12.140		290366	0.2904	------	----------

		582292	0.5823		

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
12.922		289844	0.2898	------	----------
13.641		295556	0.2956	------	----------
		585400	0.5854		

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
14.305		296474	0.2965	------	----------
14.619		508	0.0005	------	----------
14.921		297348	0.2973	------	----------
15.216		339	0.0003	------	----------
		594669	0.5947		

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
15.499		301346	0.3013	------	----------
15.629		748	0.0007	------	----------
16.035		299324	0.2993	------	----------
		601418	0.6014		

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
16.540		300524	0.3005	------	----------
17.069		304140	0.3041	------	----------
		604663	0.6047		

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
17.713		296386	0.2964	------	----------
17.886		4614	0.0046	------	----------
18.092		617	0.0006	------	----------
		301617	0.3016		

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

Timed Event Table

Time	Event	Value
0.131	-P	
1.500	P	
23.390	-P	

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LL - LOS ANGELES

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Report stored in ASCII file: C:\TC4\DATA_01\O05_022.TX0

Software Version: 4.1<2F12>
Sample Name : #TEPH00-171 DIESEL STD Time : 10/6/00 07:07 AM
Sample Number: 1000 PPM Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/6/00 12:48 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

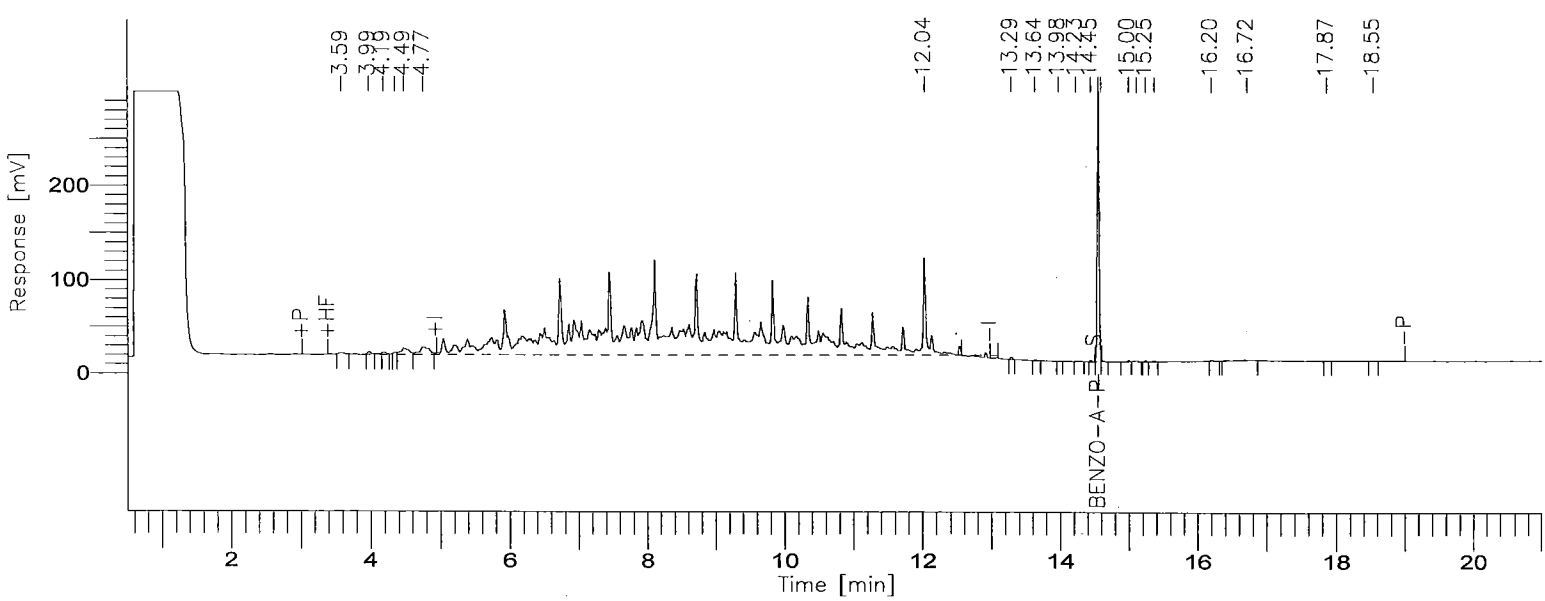
Raw Data File : C:\TC4\DATA_01\O05_033.RAW
Result File : C:\TC4\DATA_01\O05_033.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O05_033.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_01\O05.SEQ

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

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

Instrument Conditions:

Total number of peaks detected: 22



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
3.590		8084	0.0081	------	----------
3.987		9351	0.0094	------	----------
4.193		7795	0.0078	------	----------
4.353		6425	0.0064	------	----------
4.487		48593	0.0486	------	----------
4.767		92774	0.0928	------	----------
12.036		7989280	7.9893	------	----------
13.288		4103	0.0041	------	----------
13.644		1670	0.0017	------	----------
13.982		583	0.0006	------	----------
14.234		2804	0.0028	------	----------
14.451		2785	0.0028	------	----------
14.564	BENZO-A-PYRENE	603298	57.1695	50.0	14.34
14.600		1353	0.0014	------	----------
1.997		3220	0.0032	------	----------
15.115		4146	0.0041	------	----------
15.247		2541	0.0025	------	----------
15.371		2599	0.0026	------	----------
16.204		3118	0.0031	------	----------
16.718		8130	0.0081	------	----------
17.867		856	0.0009	------	----------
18.546		887	0.0009	------	----------
		8804394	65.3706		

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\005_033.TX0

Software Version: 4.1<2F12>
Sample Name : #TEPH00-167 RT MARKER Time : 10/6/00 07:07 AM
Sample Number: 30 PPM Study : ICAL 9/21/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/6/00 01:18 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

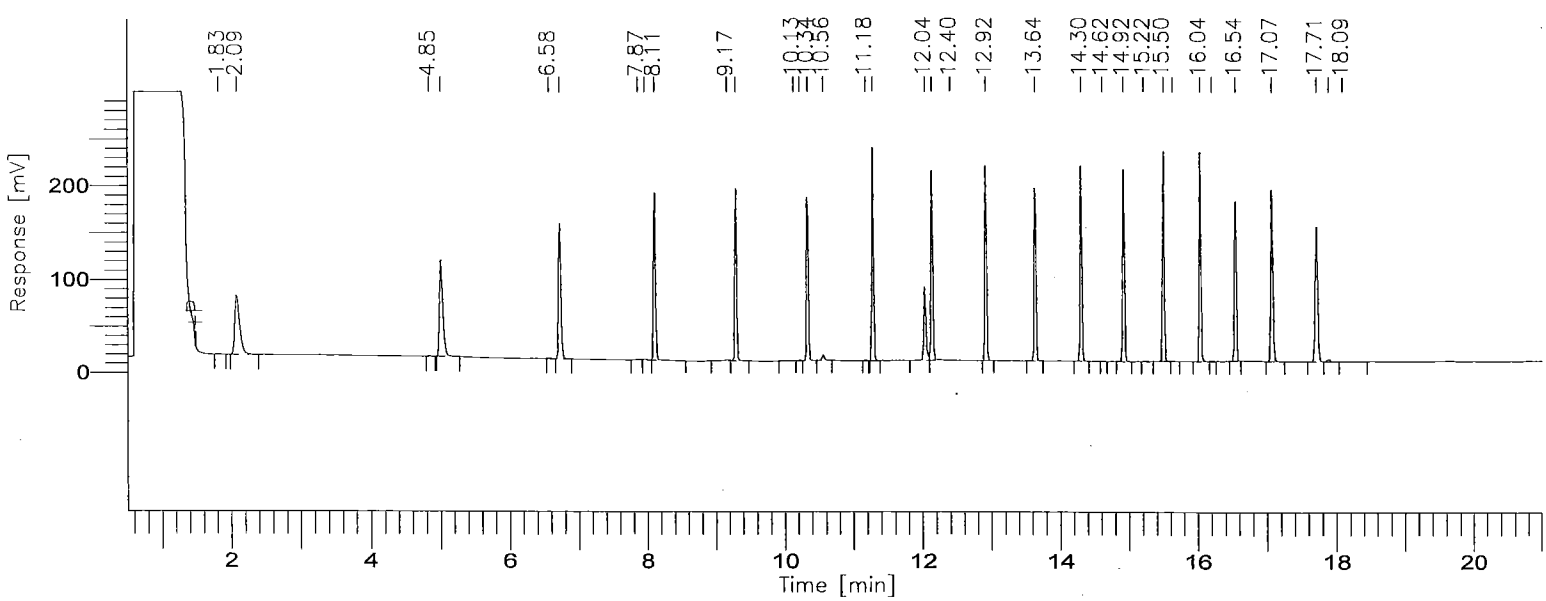
Raw Data File : C:\TC4\DATA_01\O05_034.RAW
Result File : C:\TC4\DATA_01\O05_034.RST
Inst Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\O05_034.RS
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O05.SEQ

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)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
3.446	C8-C9	316354	31.6612	30.0	5.54
5.771	C10-C11	342142	32.4262	30.0	8.09
7.314	C12-C13	352674	32.8646	30.0	9.55
8.586	C14-C15	358709	29.7786	30.0	-0.74
9.691	C16-C17	369806	34.1669	30.0	13.89
10.720	C18-C19	377530	31.4364	30.0	4.79
12.018	C20-C23	908129	41.8247	30.0	39.42
13.534	C24-C27	731554	34.8534	30.0	16.18
14.819	C28-C31	741551	34.5422	30.0	15.14
15.898	C32-C35	746267	34.6657	30.0	15.55
16.989	C36-C39	746486	34.8529	30.0	16.18
19.290	C40+	373245	36.1515	30.0	20.50
		6364446	409.2243		

$\bar{x}$ = 13.80 %

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
2.090		315256	0.3153	------	----------
4.851		1098	0.0011	------	----------
		316354	0.3164		

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
5.017		340221	0.3402	------	----------
6.578		1921	0.0019	------	----------
		342142	0.3421		

Group Report For : C12-C13

Time	Component	Area	ACTUAL	TRUE	%

[min]	Name	[µV·s]	VALUE (PPM)	VALUE	D
6.730		344891	0.3449	------	----------
7.871		2489	0.0025	------	----------
7.969		5294	0.0053	------	----------
		352674	0.3527		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
8.114		358709	0.3587	------	----------
		358709	0.3587		

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
9.167		6500	0.0065	------	----------
9.297		356429	0.3564	------	----------
10.134		3631	0.0036	------	----------
10.224		3246	0.0032	------	----------
		369806	0.3698		

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
10.340		360015	0.3600	------	----------
10.564		15653	0.0157	------	----------
11.180		1861	0.0019	------	----------
		377530	0.3775		

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
11.284		360053	0.3601	------	----------
12.036		172870	0.1729	------	----------
12.137		373658	0.3737	------	----------

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
2.400		1548	0.0015	------	----------
		908129	0.9081		

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
12.920		362011	0.3620	------	----------
13.639		369543	0.3695	------	----------
		731554	0.7316		

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
14.304		369876	0.3699	------	----------
14.618		688	0.0007	------	----------
14.920		370160	0.3702	------	----------
15.217		826	0.0008	------	----------
		741551	0.7416		

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
15.499		374117	0.3741	------	----------
15.631		1142	0.0011	------	----------
16.035		369801	0.3698	------	----------
16.204		1207	0.0012	------	----------
		746267	0.7463		

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
16.542		371675	0.3717	------	----------
17.070		374811	0.3748	------	----------

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
		746486	0.7465		

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
17.714		364932	0.3649	------	----------
17.887		7340	0.0073	------	----------
18.089		973	0.0010	------	----------
		373245	0.3732		

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

Timed Event Table

Time	Event	Value
0.131	-P	
1.500	P	
23.390	-P	

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\005_034.TX0

Software Version: 4.1<2F12>
Sample Name : #TEPH00-171 DIESEL STD Time : 10/6/00 07:38 AM
Sample Number: 1000 PPM Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/6/00 07:17 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

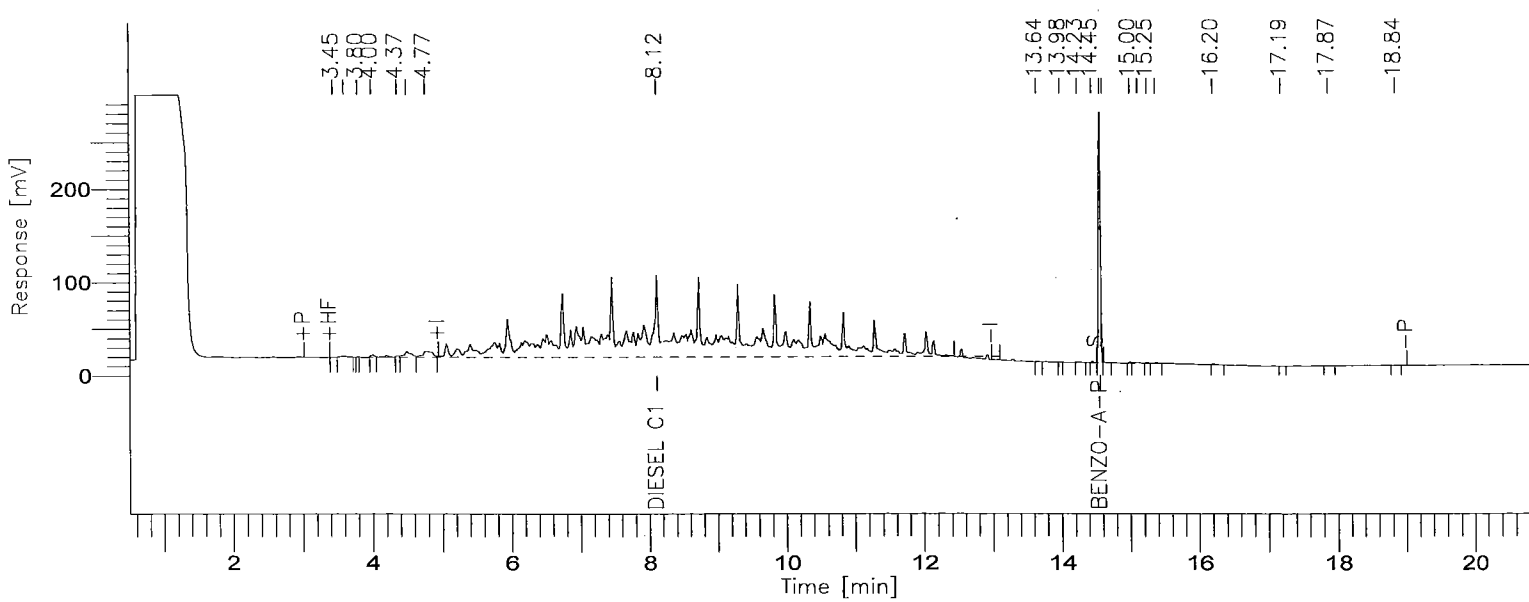
Raw Data File : C:\TC4\DATA_01\005_046.RAW
Result File : C:\TC4\DATA_01\005_046.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\005_046.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_01\005.SEQ

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

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

Instrument Conditions:

Total number of peaks detected: 22



001454

BOE-C6-0157016

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
3.451		801	0.0008	------	----------
3.608		8702	0.0087	------	----------
3.803		738	0.0007	------	----------
4.004		8098	0.0081	------	----------
4.367		5271	0.0053	------	----------
4.500		40399	0.0404	------	----------
4.774		256292	0.2563	------	----------
8.118	DIESEL C10-C24	6526892	882.9770	1000.0	-11.70
13.644		1346	0.0013	------	----------
13.981		508	0.0005	------	----------
14.233		2569	0.0026	------	----------
14.450		2448	0.0024	------	----------
14.561	BENZO-A-PYRENE	531914	50.4050	50.0	0.81
14.600		1273	0.0013	------	----------
14.996		2651	0.0027	------	----------
15.113		4082	0.0041	------	----------
15.246		2108	0.0021	------	----------
15.369		2317	0.0023	------	----------
16.202		3028	0.0030	------	----------
17.185		346	0.0003	------	----------
17.868		1188	0.0012	------	----------
18.839		850	0.0008	------	----------
		7403821	933.7271		

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\005_046.TX0

Software Version: 4.1<2F12>
Sample Name : #TEPH00-167 RT MARKER Time : 10/6/00 08:08 AM
Sample Number: 30 PPM Study : ICAL 9/21/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/6/00 07:47 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

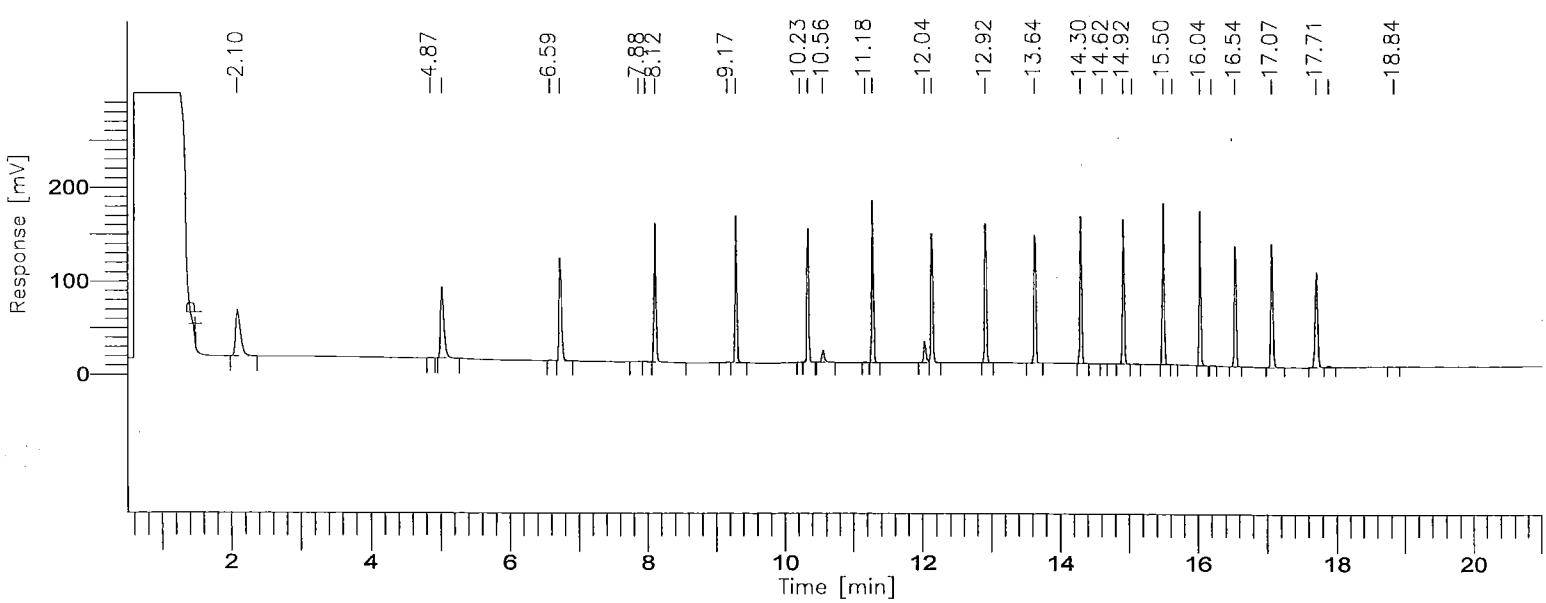
Raw Data File : C:\TC4\DATA_01\O05_047.RAW
Result File : C:\TC4\DATA_01\O05_047.RST
Inst Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\O05_047.RS
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A
Sequence File : C:\TC4\DATA_01\O05.SEQ

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)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
3.446	C8-C9	243086	24.3284	30.0	-18.91
5.772	C10-C11	259098	24.5558	30.0	-18.15
7.314	C12-C13	271187	25.2711	30.0	-15.76
8.586	C14-C15	278259	23.1000	30.0	-23.00
9.692	C16-C17	275870	25.4880	30.0	-15.04
10.720	C18-C19	308833	25.7161	30.0	-14.28
12.018	C20-C23	608246	28.0133	30.0	-6.62
13.534	C24-C27	563181	26.8316	30.0	-10.56
14.819	C28-C31	568524	26.4825	30.0	-11.73
15.898	C32-C35	555863	25.8210	30.0	-13.93
16.990	C36-C39	535684	25.0107	30.0	-16.63
19.290	C40+	264998	25.6670	30.0	-14.44
		4732829	306.2855		

$\bar{x}$ = 14.52

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
2.104		242210	0.2422	------	----------
4.869		876	0.0009	------	----------
		243086	0.2431		

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
5.034		257665	0.2577	------	----------
6.592		1433	0.0014	------	----------
		259098	0.2591		

Group Report For : C12-C13

Time	Component	Area	ACTUAL	TRUE	%

[min]	Name	[µV·s]	VALUE (PPM)	VALUE	D
6.738		263565	0.2636	------	----------
7.883		2502	0.0025	------	----------
7.979		5120	0.0051	------	----------
		271187	0.2712		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
8.118		278259	0.2783	------	----------
		278259	0.2783		

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
9.169		1733	0.0017	------	----------
9.299		273077	0.2731	------	----------
10.229		1060	0.0011	------	----------
		275870	0.2759		

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
10.346		274673	0.2747	------	----------
10.564		32724	0.0327	------	----------
11.181		1436	0.0014	------	----------
		308833	0.3088		

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
11.285		277220	0.2772	------	----------
12.038		51002	0.0510	------	----------
12.140		280024	0.2800	------	----------

	608246	0.6082

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
12.921		278852	0.2789	------	----------
13.641		284329	0.2843	------	----------
		563181	0.5632		

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
14.304		283897	0.2839	------	----------
14.618		501	0.0005	------	----------
14.921		283638	0.2836	------	----------
15.048		488	0.0005	------	----------
		568524	0.5685		

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
15.499		280874	0.2809	------	----------
15.630		610	0.0006	------	----------
16.035		272144	0.2721	------	----------
16.202		2235	0.0022	------	----------
		555863	0.5559		

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
16.540		268040	0.2680	------	----------
17.069		267644	0.2676	------	----------
		535684	0.5357		

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
17.713		258602	0.2586	------	----------
17.886		5616	0.0056	------	----------
18.835		780	0.0008	------	----------
		264998	0.2650		

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

Timed Event Table

Time	Event	Value
0.131	-P	
1.500	P	
23.390	-P	

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STL - LOS ANGELES

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Report stored in ASCII file: C:\TC4\DATA_01\O05_047.TXO

Software Version: 4.1<2F12>
Sample Name : #TEPH00-171 DIESEL STD Time : 10/6/00 02:11 PM
Sample Number: 1000 PPM Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/6/00 01:50 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

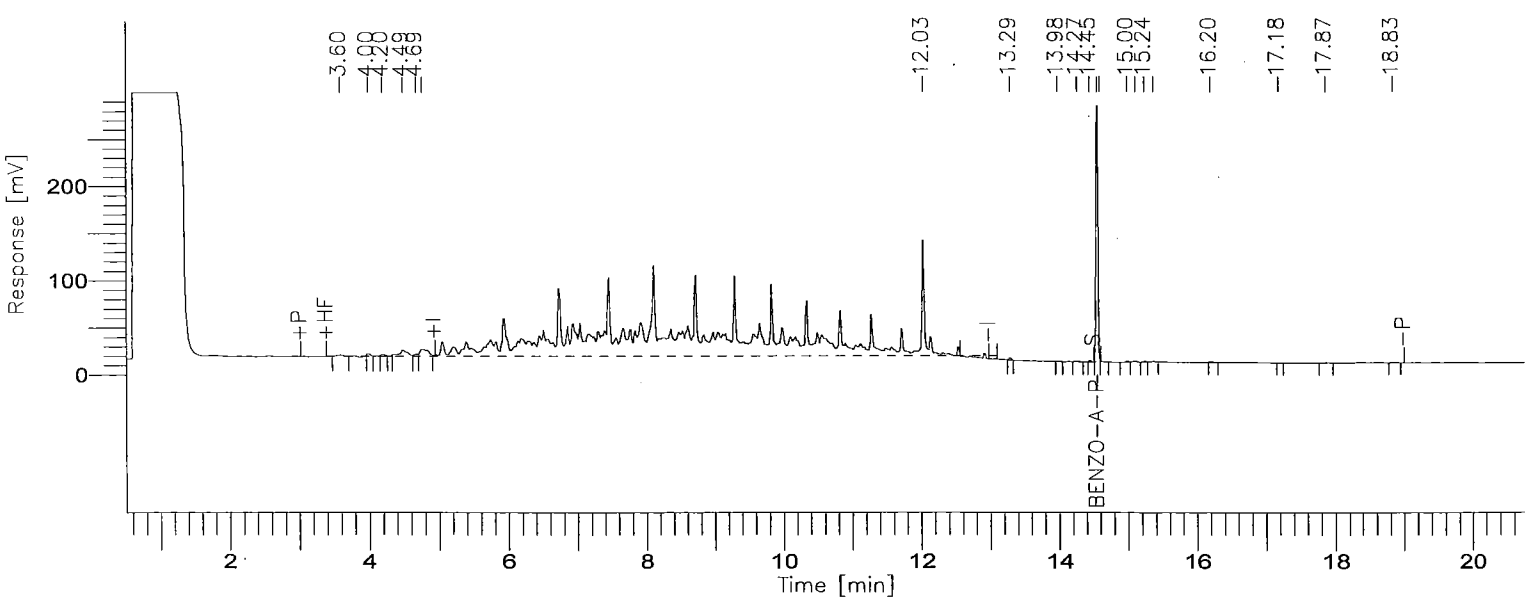
Raw Data File : C:\TC4\DATA_01\O05_059.RAW
Result File : C:\TC4\DATA_01\O05_059.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O05_059.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_01\O05.SEQ

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



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
3.597		8823	0.0088	------	----------
3.995		8390	0.0084	------	----------
4.199		7482	0.0075	------	----------
4.490		52547	0.0525	------	----------
4.687		9490	0.0095	------	----------
4.770		78199	0.0782	------	----------
12.034		7665230	7.6652	------	----------
13.287		3923	0.0039	------	----------
13.981		559	0.0006	------	----------
14.266		2669	0.0027	------	----------
14.449		2968	0.0030	------	----------
14.559	BENZO-A-PYRENE	575401	54.5259	50.0	9.05
14.600		1393	0.0014	------	----------
14.995		3092	0.0031	------	----------
15.114		4059	0.0041	------	----------
15.244		2381	0.0024	------	----------
15.369		2477	0.0025	------	----------
16.202		2175	0.0022	------	----------
17.184		361	0.0004	------	----------
17.866		2179	0.0022	------	----------
18.833		2216	0.0022	------	----------
		8436014	62.3866		

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\005_059.TX0

Lot/Sample: E0I260285-008 C-66-4-1 TICs.....: N Report Results: Y
WO#.....: DL3G8-1-0M 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: 10/05/00
Inject Time..: 19:49 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: 005_023A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....: 9/25/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/06 11:56:53
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 9/27/00
QC Batch.....: 0271551
MS Run Number: 0271279
Prep Time....: 14:00-18:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1562-1SCS/250PPM/1ML

Total Solids.: .00

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

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	11.923	95.384		

Software Version: 4.1<2F12>
Sample Name : 285-08 Time : 10/6/00 10:19 AM
Sample Number: DL3G810M Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/5/00 07:49 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

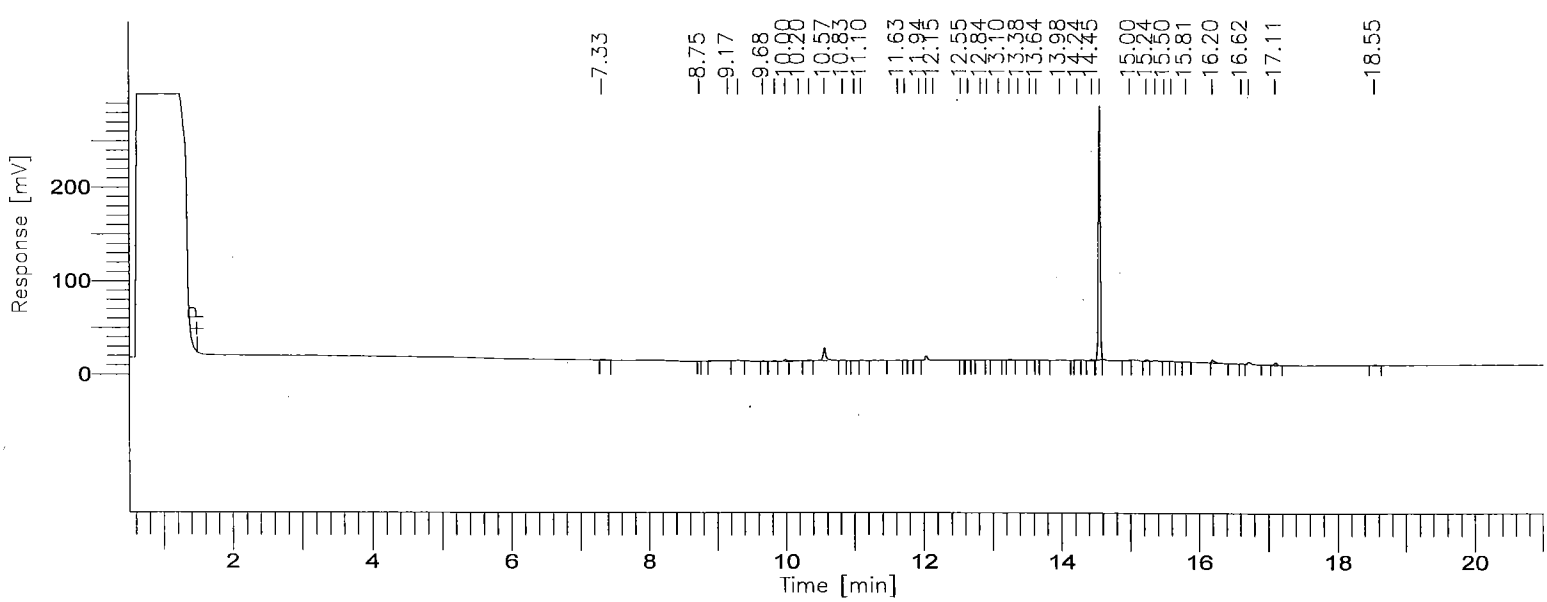
Raw Data File : C:\TC4\DATA_01\O05_023A.RAW
Result File : C:\TC4\DATA_01\O05_023A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O05_023A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O05A.SEQ

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



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
3.45	C8-C9	0	0.000	------	1.0	
5.77	C10-C11	0	0.000	------	1.0	
7.31	C12-C13	2920	0.068	------	1.0	
8.59	C14-C15	502	0.010	------	1.0	
9.69	C16-C17	24992	0.577	------	1.0	
10.72	C18-C19	54590	1.136	------	1.0	
12.02	C20-C23	19649	0.226	------	1.0	
13.53	C24-C27	17562	0.209	------	1.0	
14.82	C28-C31	514908	5.996	------	1.0	
15.90	C32-C35	13599	0.158	------	1.0	
16.99	C36-C39	17265	0.202	------	1.0	
19.29	C40+	1783	0.043	------	1.0	
		667769	8.626			

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/L	FN
7.32		2920	0.001	------	1.0	
		2920	0.001			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
[illegible].75		502	0.000	------	1.0	
		502	0.000			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
9.17		5642	0.001	------	1.0	
9.31		4167	0.001	------	1.0	
9.68		1759	0.000	------	1.0	
9.85		2412	0.001	------	1.0	
10.00		5294	0.001	------	1.0	
10.20		5718	0.001	------	1.0	
		24992	0.006			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
10.35		5938	0.001	------	1.0	
10.57		43585	0.011	------	1.0	
10.83		2632	0.001	------	1.0	
11.00		463	0.000	------	1.0	
11.10		1971	0.000	------	1.0	
		54590	0.014			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
11.63		1958	0.000	------	1.0	
11.73		997	0.000	------	1.0	
11.94		1391	0.000	------	1.0	
12.04		11799	0.003	------	1.0	
[illegible].14		1333	0.000	------	1.0	
[illegible].55		828	0.000	------	1.0	
12.65		1342	0.000	------	1.0	
		19649	0.005			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
12.84		1151	0.000	------	1.0	
12.93		1193	0.000	------	1.0	
13.10		2448	0.001	------	1.0	
13.25		3630	0.001	------	1.0	
13.38		902	0.000	------	1.0	
13.55		1613	0.000	------	1.0	
13.64		993	0.000	------	1.0	
13.98		2809	0.001	------	1.0	
14.24		2822	0.001	------	1.0	
		17562	0.004			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
14.45		2756	0.001	------	1.0	
[illegible].56		500347	0.125	------	1.0	
[illegible].00		2547	0.001	------	1.0	
15.24		4928	0.001	------	1.0	
15.37		4329	0.001	------	1.0	
		514908	0.129			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
15.50		1911	0.000	------	1.0	
15.60		1218	0.000	------	1.0	
15.81		1944	0.000	------	1.0	
16.20		8527	0.002	------	1.0	
		13599	0.003			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
16.62		1527	0.000	------	1.0	
16.72		8193	0.002	------	1.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
1..11		7544	0.002	------	1.0	
		17265	0.004			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
18.55		1783	0.000	------	1.0	
		1783	0.000			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

CTL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O05_023A.TX0

Software Version: 4.1<2F12>
Sample Name : 285-08 Time : 10/6/00 07:06 AM
Sample Number: DL3G810M Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/5/00 07:49 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

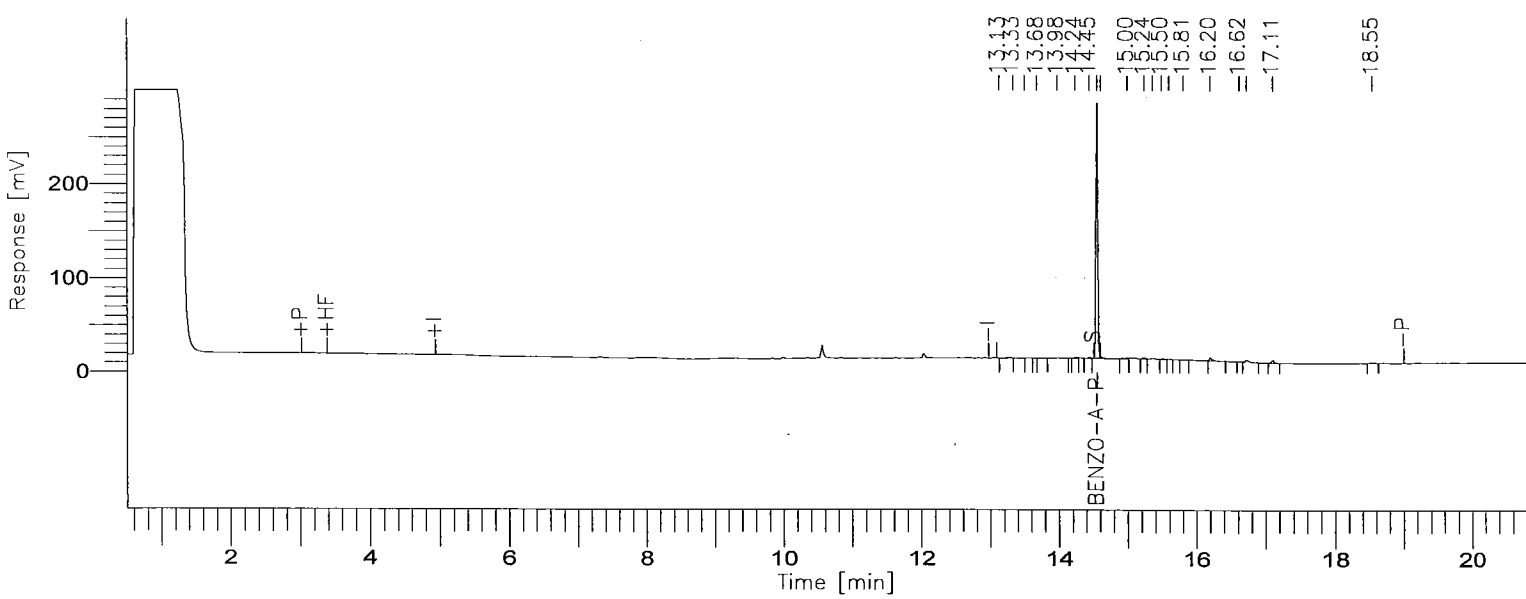
Raw Data File : C:\TC4\DATA_01\O05_023.RAW
Result File : C:\TC4\DATA_01\O05_023.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O05_023.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_01\O05.SEQ

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)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.03	DIESEL C10-C24	0	0.000	------	10.0	
14.56	BENZO-A-PYRENE	503268	11.923	95.4	10.0	
		503268	11.923			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\005_023.TX0

Software Version: 4.1<2F12>
Sample Name : #TEPH00-167 RT MARKER Time : 10/6/00 02:41 PM
Sample Number: 30 PPM Study : ICAL 9/21/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/6/00 02:20 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

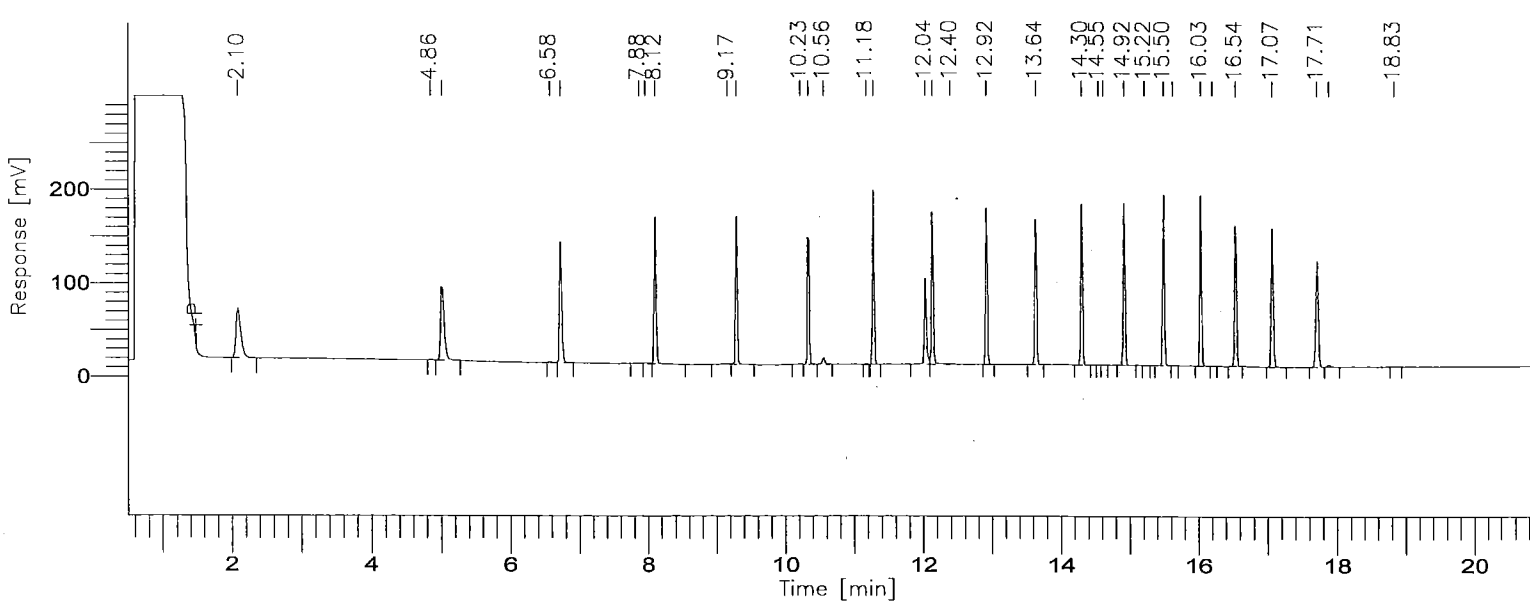
Raw Data File : C:\TC4\DATA_01\O05_060.RAW
Result File : C:\TC4\DATA_01\O05_060.RST
Inst Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\O05_060.RS
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A
Sequence File : C:\TC4\DATA_01\O05.SEQ

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



001471

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
3.446	C8-C9	259980	26.0192	30.0	-13.27
5.771	C10-C11	280869	26.6191	30.0	-11.27
7.314	C12-C13	291712	27.1838	30.0	-9.39
8.586	C14-C15	298241	24.7588	30.0	-17.47
9.691	C16-C17	305590	28.2340	30.0	-5.89
10.720	C18-C19	315003	26.2299	30.0	-12.57
12.018	C20-C23	804728	37.0625	30.0	23.54
13.534	C24-C27	603834	28.7685	30.0	-4.11
14.819	C28-C31	614154	28.6079	30.0	-4.64
15.898	C32-C35	607195	28.2055	30.0	-5.98
16.989	C36-C39	594416	27.7529	30.0	-7.49
19.290	C40+	297786	28.8427	30.0	-3.86
		5273510	338.2847		

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
2.099		259027	0.2590	------	----------
4.861		954	0.0010	------	----------
		259980	0.2600		

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
5.024		279310	0.2793	------	----------
6.582		1558	0.0016	------	----------
		280869	0.2809		

Group Report For : C12-C13

Time	Component	Area	ACTUAL	TRUE	%

[min]	Name	[µV·s]	VALUE (PPM)	VALUE	D
6.734		284218	0.2842	------	----------
7.876		2459	0.0025	------	----------
7.971		5036	0.0050	------	----------
		291712	0.2917		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
8.116		298241	0.2982	------	----------
		298241	0.2982		

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
9.167		6857	0.0069	------	----------
9.298		297508	0.2975	------	----------
10.225		1225	0.0012	------	----------
		305590	0.3056		

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
10.341		296032	0.2960	------	----------
10.563		17477	0.0175	------	----------
11.181		1495	0.0015	------	----------
		315003	0.3150		

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
11.284		297632	0.2976	------	----------
12.035		194135	0.1941	------	----------
12.138		311158	0.3112	------	----------
12.398		1804	0.0018	------	----------

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
		804728	0.8047		

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
12.920		297537	0.2975	------	----------
13.639		306297	0.3063	------	----------
		603834	0.6038		

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
14.304		306539	0.3065	------	----------
14.550		545	0.0005	------	----------
14.618		560	0.0006	------	----------
14.920		306076	0.3061	------	----------
15.217		434	0.0004	------	----------
		614154	0.6142		

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
15.498		305742	0.3057	------	----------
15.630		735	0.0007	------	----------
16.034		299573	0.2996	------	----------
16.202		1145	0.0011	------	----------
		607195	0.6072		

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
16.539		296948	0.2969	------	----------
17.069		297468	0.2975	------	----------

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
		594416	0.5944		

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
17.713		288382	0.2884	------	----------
17.885		7358	0.0074	------	----------
18.834		2046	0.0020	------	----------
		297786	0.2978		

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

Timed Event Table

Time	Event	Value
0.131	-P	
1.500	P	
23.390	-P	

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\005_060.TX0

Lot/Sample: E0I260285-011 C-66-10-1 TICs.....: N Report Results: Y
WO#.....: DL3GC-1-0M 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: 10/05/00
Inject Time..: 20:49 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: 005_025A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....: 9/26/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/06 11:59:38
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 9/27/00
QC Batch.....: 0271551
MS Run Number: 0271279
Prep Time....: 14:00-18:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1562-1SCS/250PPM/1ML

Total Solids.: .00

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

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	11.765	94.12		

Software Version: 4.1<2F12>
Sample Name : 285-11 Time : 10/6/00 10:19 AM
Sample Number: DL3GC10M Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/5/00 08:49 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

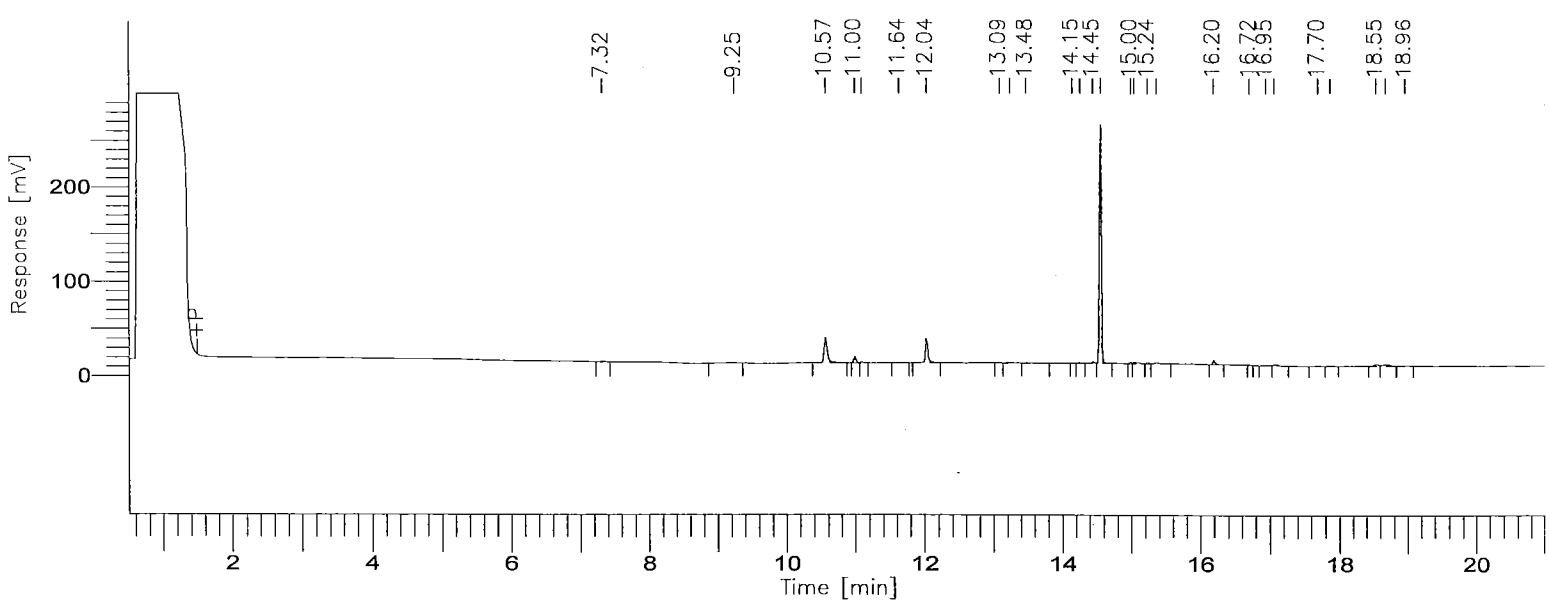
Raw Data File : C:\TC4\DATA_01\O05_025A.RAW
Result File : C:\TC4\DATA_01\O05_025A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O05_025A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O05A.SEQ

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



001477

BOE-C6-0157039

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
3.45	C8-C9	0	0.000	------	1.0	
5.77	C10-C11	0	0.000	------	1.0	
7.31	C12-C13	1822	0.042	------	1.0	
8.59	C14-C15	0	0.000	------	1.0	
9.69	C16-C17	6644	0.153	------	1.0	
10.72	C18-C19	103646	2.158	------	1.0	
12.02	C20-C23	64238	0.740	------	1.0	
13.53	C24-C27	4599	0.055	------	1.0	
14.82	C28-C31	521698	6.075	------	1.0	
15.90	C32-C35	9223	0.107	------	1.0	
16.99	C36-C39	8130	0.095	------	1.0	
19.29	C40+	24501	0.593	------	1.0	
		744500	10.019			

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/L	FN
7.32		1822	0.000	------	1.0	
		1822	0.000			

Group Report For : C14-C15

001478

No peaks available to report

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
9.25		6644	0.002	------	1.0	
		6644	0.002			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
10.57		86477	0.022	------	1.0	
11.00		15065	0.004	------	1.0	
11.10		2104	0.001	------	1.0	
		103646	0.026			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
11.63		952	0.000	------	1.0	
12.04		63286	0.016	------	1.0	
		64238	0.016			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
13.09		796	0.000	------	1.0	
13.25		2559	0.001	------	1.0	
13.48		956	0.000	------	1.0	
.15		288	7.200e-05	------	1.0	
		4599	0.001			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
14.27		2530	0.001	------	1.0	
14.45		3268	0.001	------	1.0	
14.56		498305	0.125	------	1.0	
15.00		2689	0.001	------	1.0	
15.05		6854	0.002	------	1.0	
15.24		3363	0.001	------	1.0	
15.37		4690	0.001	------	1.0	
		521698	0.130			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
16.20		9223	0.002	------	1.0	
		9223	0.002			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
16.72		996	0.000	------	1.0	
16.95		2664	0.001	------	1.0	
17.07		4469	0.001	------	1.0	
		8130	0.002			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
17.70		2006	0.001	------	1.0	
17.88		1776	0.000	------	1.0	
18.55		8130	0.002	------	1.0	
18.68		9639	0.002	------	1.0	
18.96		2950	0.001	------	1.0	
		24501	0.006			

Missing Component Report

Component Expected Retention (Calibration File)

All components were found

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STL - LOS ANGELES

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Report stored in ASCII file: C:\TC4\DATA_01\005_025A.TX0

Software Version: 4.1<2F12>
Sample Name : 285-11 Time : 10/6/00 07:07 AM
Sample Number: DL3GC10M Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/5/00 08:49 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

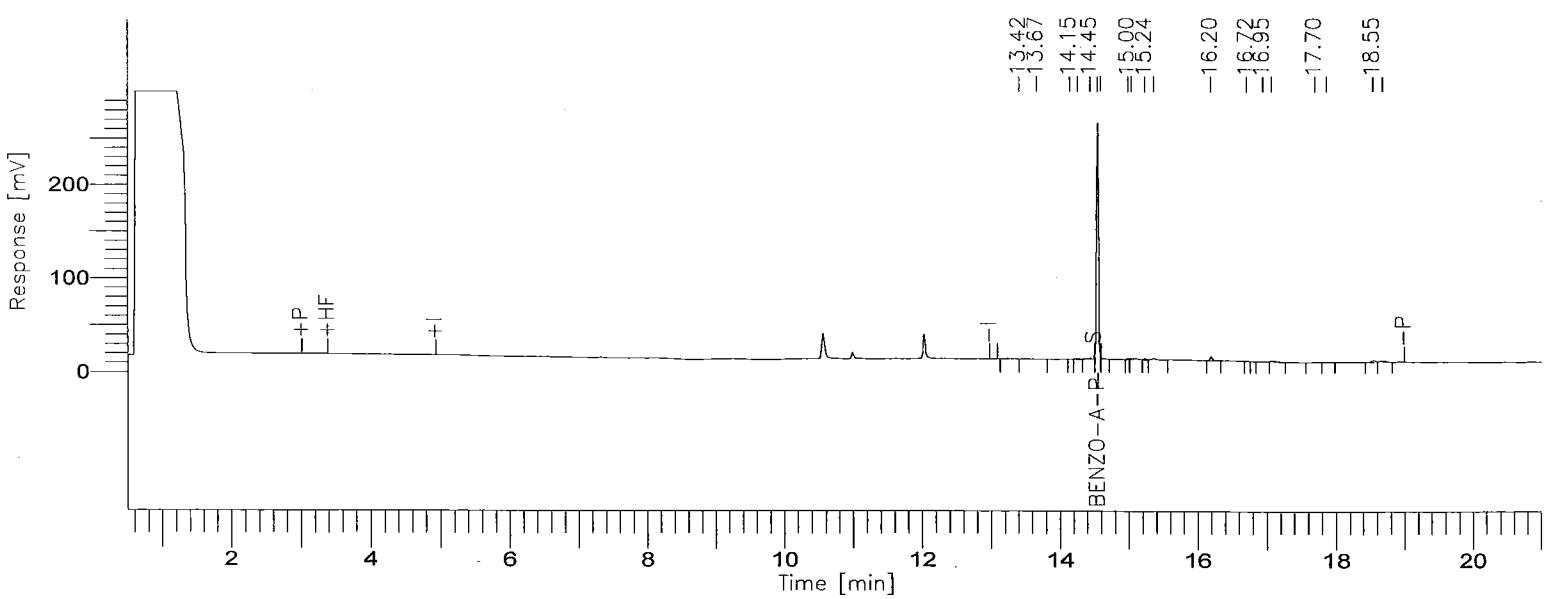
Raw Data File : C:\TC4\DATA_01\O05_025.RAW
Result File : C:\TC4\DATA_01\O05_025.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O05_025.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_01\O05.SEQ

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)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.03	DIESEL C10-C24	0	0.000	------	10.0	
14.56	BENZO-A-PYRENE	496599	11.765	94.1	10.0	
		496599	11.765			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\005_025.TX0

Lot/Sample: E0I260285-012 C-66-10-5 TICs.....: N Report Results: Y
WO#.....: DL3GD-1-0M 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: 10/05/00
Inject Time..: 21:19 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O05_026A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....: 9/26/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/06 12:02:09
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 9/27/00
QC Batch.....: 0271551
MS Run Number: 0271279
Prep Time....: 14:00-18:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1562-1SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05120	C8-C9			ND	10			
05121	C10-C11			ND	10			
05122	C12-C13			ND	10			
05123	C14-C15			ND	10			
05124	C16-C17			ND	10			
05125	C18-C19			ND	10			
05132	C40+			ND	10			
05136	Total Carbon Chain Rang			9.871	10		J	J
05201	C20-C23			ND	10			
05202	C24-C27			ND	10			
05203	C28-C31			ND	10			
05204	C32-C35			ND	10			
05205	C36-C39			ND	10			

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	12.107	96.856		

Notes:
J Estimated result. Result is less than RL.

(Continued on next page)

Lot/Sample: E0I260285-012 C-66-10-5 TICs.....: N Report Results: Y
WO#.....: DL3GD-1-0M 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 : 285-12 Time : 10/6/00 10:19 AM
Sample Number: DL3GD10M Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/5/00 09:19 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

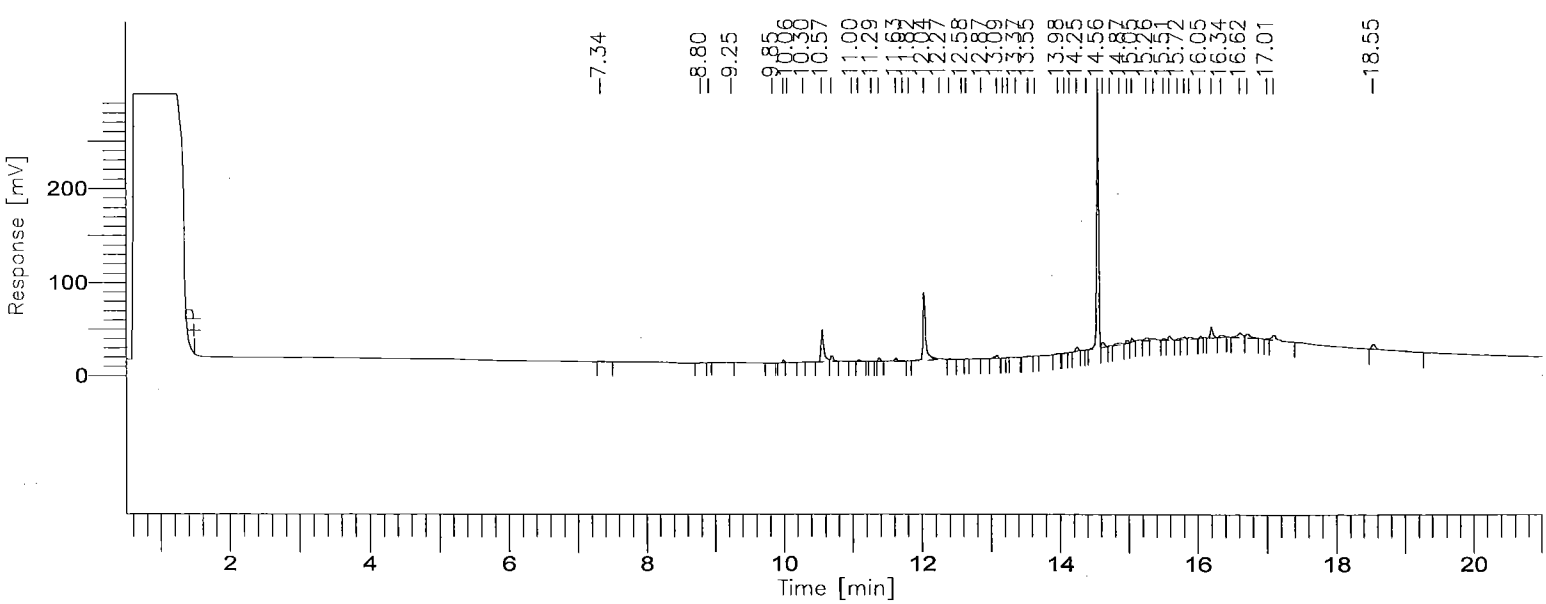
Raw Data File : C:\TC4\DATA_01\O05_026A.RAW
Result File : C:\TC4\DATA_01\O05_026A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O05_026A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O05A.SEQ

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: 55



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
3.45	C8-C9	0	0.000	------	1.0	
5.77	C10-C11	0	0.000	------	1.0	
7.31	C12-C13	4084	0.095	------	1.0	
8.59	C14-C15	3581	0.074	------	1.0	
9.69	C16-C17	12849	0.297	------	1.0	
10.72	C18-C19	118609	2.469	------	1.0	
12.02	C20-C23	244173	2.811	------	1.0	
13.53	C24-C27	33838	0.403	------	1.0	
14.82	C28-C31	619893	7.219	------	1.0	
15.90	C32-C35	92066	1.069	------	1.0	
16.99	C36-C39	79286	0.925	------	1.0	
19.29	C40+	18996	0.460	------	1.0	
		1227375	15.823			

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/L	FN
7.34		4084	0.001	------	1.0	
		4084	0.001			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
.80		2823	0.001	------	1.0	
8.92		758	0.000	------	1.0	
		3581	0.001			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
9.25		3786	0.001	------	1.0	
9.85		1006	0.000	------	1.0	
10.00		5848	0.001	------	1.0	
10.06		2209	0.001	------	1.0	
		12849	0.003			

Group Report For : C18-C19

me [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
10.30		648	0.000	------	1.0	
10.57		95689	0.024	------	1.0	
10.71		16099	0.004	------	1.0	
11.00		1400	0.000	------	1.0	
11.09		4774	0.001	------	1.0	
		118609	0.030			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
11.29		1044	0.000	------	1.0	
11.39		6517	0.002	------	1.0	
11.63		8829	0.002	------	1.0	
11.73		486	0.000	------	1.0	
11.82		589	0.000	------	1.0	
.04		202664	0.051	------	1.0	
12.27		16613	0.004	------	1.0	
12.40		5437	0.001	------	1.0	
12.58		1430	0.000	------	1.0	
12.65		565	0.000	------	1.0	

	244173	0.061

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
12.87		1137	0.000	------	1.0	
13.09		10840	0.003	------	1.0	
13.19		1240	0.000	------	1.0	
13.25		2163	0.001	------	1.0	
13.37		4547	0.001	------	1.0	
13.55		5062	0.001	------	1.0	
13.65		1451	0.000	------	1.0	
13.98		3731	0.001	------	1.0	
14.07		2089	0.001	------	1.0	
14.15		1577	0.000	------	1.0	
		33838	0.008			

Group Report For : C28-C31

me [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
14.25		13665	0.003	------	1.0	
14.40		1698	0.000	------	1.0	
14.56		524390	0.131	------	1.0	
14.63		17728	0.004	------	1.0	
14.73		3171	0.001	------	1.0	
14.87		14088	0.004	------	1.0	
14.98		10071	0.003	------	1.0	
15.05		9199	0.002	------	1.0	
15.26		13147	0.003	------	1.0	
15.36		12736	0.003	------	1.0	
		619893	0.155			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
.51		6574	0.002	------	1.0	
15.60		14077	0.004	------	1.0	
15.72		5785	0.001	------	1.0	
15.81		10723	0.003	------	1.0	
15.89		12041	0.003	------	1.0	
16.05		5018	0.001	------	1.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
[illegible].20		27622	0.007	------	1.0	
16.34		10225	0.003	------	1.0	
		92066	0.023			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
16.62		28904	0.007	------	1.0	
16.72		21203	0.005	------	1.0	
17.01		3855	0.001	------	1.0	
17.10		25324	0.006	------	1.0	
		79286	0.020			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
18.55		18996	0.005	------	1.0	
		18996	0.005			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\005_026A.TX0

Software Version: 4.1<2F12>
Sample Name : 285-12 Time : 10/6/00 07:07 AM
Sample Number: DL3GD10M Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/5/00 09:19 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

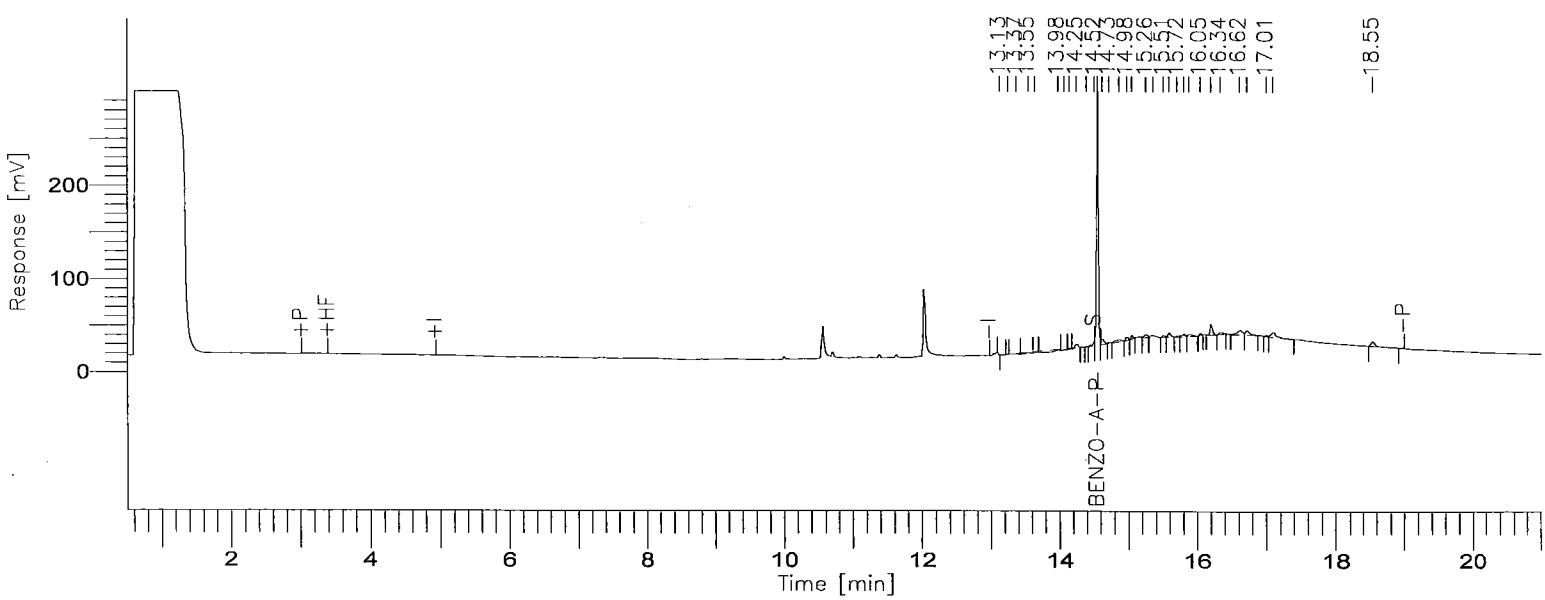
Raw Data File : C:\TC4\DATA_01\O05_026.RAW
Result File : C:\TC4\DATA_01\O05_026.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O05_026.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_01\O05.SEQ

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



001491

BOE-C6-0157053

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.03	DIESEL C10-C24	0	0.000	------	10.0	
14.56	BENZO-A-PYRENE	511054	12.107	96.9	10.0	
		511054	12.107			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\005_026.TX0

Lot/Sample: E0I260285-013 C-66-11-1 TICs.....: N Report Results: Y
WO#.....: DL3GE-1-0M 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: 10/05/00
Inject Time..: 21:49 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O05_027A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....: 9/26/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/06 12:02:30
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 9/27/00
QC Batch.....: 0271551
MS Run Number: 0271279
Prep Time....: 14:00-18:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1562-1SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05120	C8-C9			ND	10			
05121	C10-C11			ND	10			
05122	C12-C13			ND	10			
05123	C14-C15			ND	10			
05124	C16-C17			ND	10			
05125	C18-C19			ND	10			
05132	C40+			ND	10			
05136	Total Carbon Chain Rang			6.136	10		J	J
05201	C20-C23			ND	10			
05202	C24-C27			ND	10			
05203	C28-C31			ND	10			
05204	C32-C35			ND	10			
05205	C36-C39			ND	10			

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	10.149	81.192		

Notes:
J Estimated result. Result is less than RL.

(Continued on next page)

Lot/Sample: E0I260285-013 C-66-11-1 TICs.....: N Report Results: Y
WO#.....: DL3GE-1-0M 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 : 285-13 Time : 10/6/00 10:20 AM
Sample Number: DL3GE10M Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/5/00 09:49 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

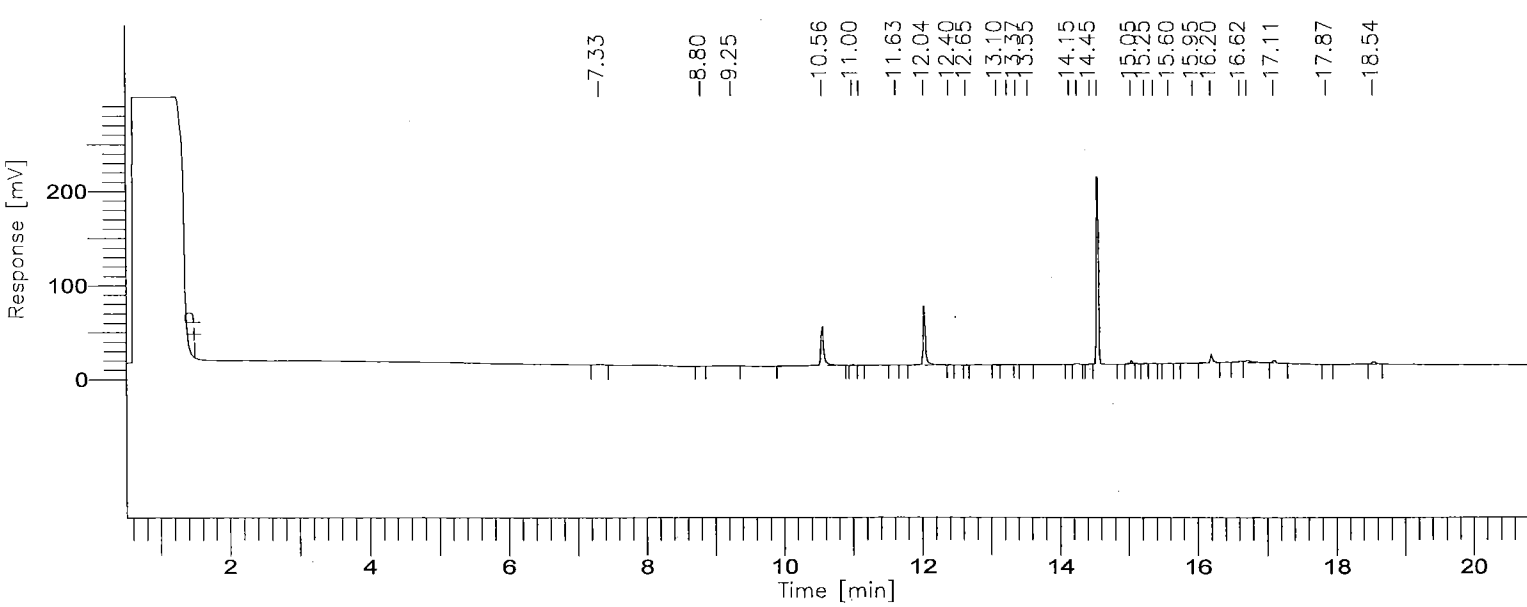
Raw Data File : C:\TC4\DATA_01\O05_027A.RAW
Result File : C:\TC4\DATA_01\O05_027A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O05_027A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O05A.SEQ

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



001495

BOE-C6-0157057

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
3.45	C8-C9	0	0.000	------	1.0	
5.77	C10-C11	0	0.000	------	1.0	
7.31	C12-C13	4718	0.110	------	1.0	
8.59	C14-C15	1433	0.030	------	1.0	
9.69	C16-C17	8575	0.198	------	1.0	
10.72	C18-C19	138114	2.875	------	1.0	
12.02	C20-C23	149426	1.720	------	1.0	
13.53	C24-C27	3682	0.044	------	1.0	
14.82	C28-C31	450374	5.245	------	1.0	
15.90	C32-C35	23125	0.269	------	1.0	
16.99	C36-C39	32771	0.383	------	1.0	
19.29	C40+	10418	0.252	------	1.0	
		822636	11.125			

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/L	FN
7.33		4718	0.001	------	1.0	
		4718	0.001			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
.80		1433	0.000	------	1.0	
		1433	0.000			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
9.25		8575	0.002	------	1.0	
		8575	0.002			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
10.56		135082	0.034	------	1.0	
.00		2043	0.001	------	1.0	
11.10		989	0.000	------	1.0	
		138114	0.035			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
11.63		570	0.000	------	1.0	
12.04		147634	0.037	------	1.0	
12.40		839	0.000	------	1.0	
12.65		382	9.562e-05	------	1.0	
		149426	0.037			

Group Report For : C24-C27

Time in]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
13.10		898	0.000	------	1.0	
13.25		719	0.000	------	1.0	
13.37		348	8.687e-05	------	1.0	
13.55		1017	0.000	------	1.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
..15		700	0.000	------	1.0	
		3682	0.001			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
14.26		3172	0.001	------	1.0	
14.45		2534	0.001	------	1.0	
14.56		432785	0.108	------	1.0	
15.05		7311	0.002	------	1.0	
15.25		2448	0.001	------	1.0	
15.37		2124	0.001	------	1.0	
		450374	0.113			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
15.60		823	0.000	------	1.0	
15.95		2481	0.001	------	1.0	
16.20		19821	0.005	------	1.0	
		23125	0.006			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
16.62		6349	0.002	------	1.0	
16.72		17211	0.004	------	1.0	
17.10		9211	0.002	------	1.0	
		32771	0.008			

Group Report For : C40+

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

17.87	832	0.000	------	1.0
18.54	9587	0.002	------	1.0
	10418	0.003		

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O05_027A.TX0

Software Version: 4.1<2F12>
Sample Name : 285-13 Time : 10/6/00 07:07 AM
Sample Number: DL3GE10M Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/5/00 09:49 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

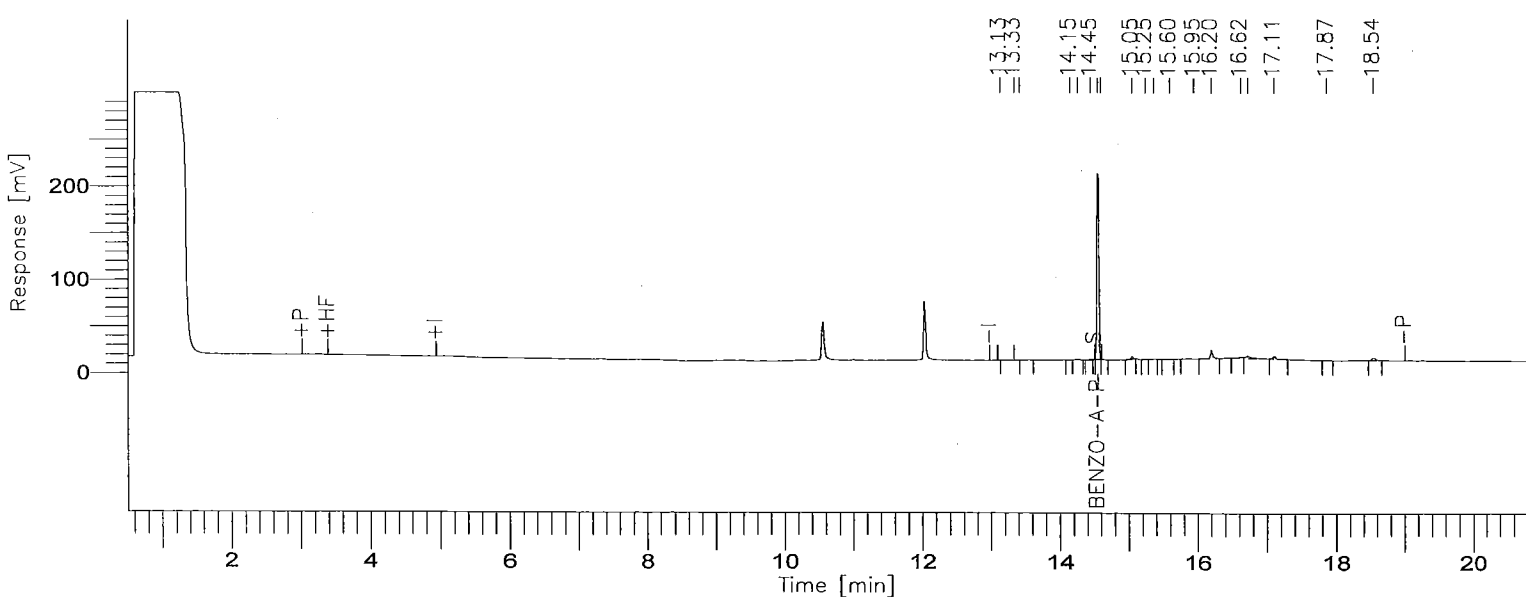
Raw Data File : C:\TC4\DATA_01\O05_027.RAW
Result File : C:\TC4\DATA_01\O05_027.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O05_027.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_01\O05.SEQ

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)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.03	DIESEL C10-C24	0	0.000	------	10.0	
14.56	BENZO-A-PYRENE	428389	10.149	81.2	10.0	
		428389	10.149			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O05_027.TX0

Lot/Sample: E0I260285-014 C-66-11-5 TICs.....: N Report Results: Y
WO#.....: DL3GF-1-0M 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: 10/05/00
Inject Time..: 22:19 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O05_028A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....: 9/26/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/06 12:02:57
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 9/27/00
QC Batch.....: 0271551
MS Run Number: 0271279
Prep Time....: 14:00-18:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1562-1SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05120	C8-C9			ND	10			
05121	C10-C11			ND	10			
05122	C12-C13			ND	10			
05123	C14-C15			ND	10			
05124	C16-C17			ND	10			
05125	C18-C19			5.611	10		J	J
05132	C40+			ND	10			
05136	Total Carbon Chain Rang			10.229	10			
05201	C20-C23			ND	10			
05202	C24-C27			ND	10			
05203	C28-C31			ND	10			
05204	C32-C35			ND	10			
05205	C36-C39			ND	10			

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	11.336	90.688		

Notes:
J Estimated result. Result is less than RL.

(Continued on next page)

Lot/Sample: E0I260285-014 C-66-11-5 TICs.....: N Report Results: Y
WO#.....: DL3GF-1-0M 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 : 285-14 Time : 10/6/00 10:20 AM
Sample Number: DL3GF10M Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/5/00 10:19 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

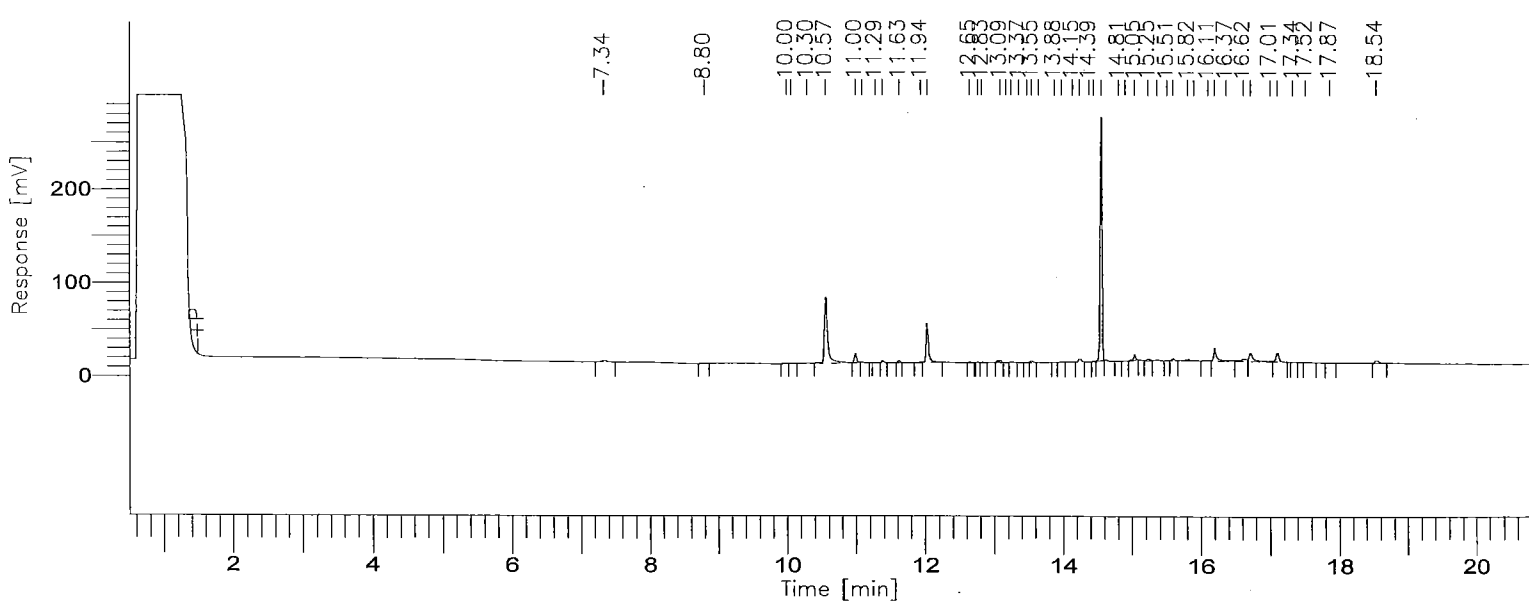
Raw Data File : C:\TC4\DATA_01\O05_028A.RAW
Result File : C:\TC4\DATA_01\O05_028A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O05_028A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O05A.SEQ

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: 50



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
3.45	C8-C9	0	0.000	------	1.0	
5.77	C10-C11	0	0.000	------	1.0	
7.31	C12-C13	8832	0.206	------	1.0	
8.59	C14-C15	2054	0.043	------	1.0	
9.69	C16-C17	5108	0.118	------	1.0	
10.72	C18-C19	269555	5.611	------	1.0	
12.02	C20-C23	112959	1.301	------	1.0	
13.53	C24-C27	25313	0.301	------	1.0	
14.82	C28-C31	528066	6.149	------	1.0	
15.90	C32-C35	59842	0.695	------	1.0	
16.99	C36-C39	93689	1.094	------	1.0	
19.29	C40+	11676	0.283	------	1.0	
		1117094	15.801			

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/L	FN
7.34		8832	0.002	------	1.0	
		8832	0.002			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
[illegible].80		2054	0.001	------	1.0	
		2054	0.001			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
10.00		2548	0.001	------	1.0	
10.06		2560	0.001	------	1.0	
		5108	0.001			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
[illegible].30		6677	0.002	------	1.0	
10.57		236499	0.059	------	1.0	
11.00		23528	0.006	------	1.0	
11.09		2852	0.001	------	1.0	
		269555	0.067			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
11.29		752	0.000	------	1.0	
11.39		4180	0.001	------	1.0	
11.63		4582	0.001	------	1.0	
11.94		1712	0.000	------	1.0	
12.04		99223	0.025	------	1.0	
12.65		1734	0.000	------	1.0	
12.77		776	0.000	------	1.0	
		112959	0.028			

Group Report For : C24-C27

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

12.83	1572	0.000	------	1.0	
[illegible] 09	8208	0.002	------	1.0	
[illegible].18	601	0.000	------	1.0	
13.25	2228	0.001	------	1.0	
13.37	829	0.000	------	1.0	
13.48	1008	0.000	------	1.0	
13.55	4300	0.001	------	1.0	
13.65	1992	0.000	------	1.0	
13.88	748	0.000	------	1.0	
13.98	1575	0.000	------	1.0	
14.15	2251	0.001	------	1.0	
	25313	0.006			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
14.25		11248	0.003	------	1.0	
14.39		1556	0.000	------	1.0	
14.45		2565	0.001	------	1.0	
[illegible].56		486063	0.122	------	1.0	
[illegible].81		1306	0.000	------	1.0	
14.91		1330	0.000	------	1.0	
15.05		14533	0.004	------	1.0	
15.24		5367	0.001	------	1.0	
15.37		4098	0.001	------	1.0	
		528066	0.132			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
15.51		2251	0.001	------	1.0	
15.60		5703	0.001	------	1.0	
15.82		4342	0.001	------	1.0	
15.91		1059	0.000	------	1.0	
16.11		2859	0.001	------	1.0	
16.20		36208	0.009	------	1.0	
16.37		7421	0.002	------	1.0	
		59842	0.015			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
16.62		18914	0.005	------	1.0	
16.72		39974	0.010	------	1.0	
17.01		4401	0.001	------	1.0	
17.11		28640	0.007	------	1.0	
17.34		654	0.000	------	1.0	
17.52		1106	0.000	------	1.0	
		93689	0.023			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
17.87		1007	0.000	------	1.0	
18.54		10669	0.003	------	1.0	
		11676	0.003			

ssing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O05_028A.TX0

Software Version: 4.1<2F12>
Sample Name : 285-14 Time : 10/6/00 07:07 AM
Sample Number: DL3GF10M Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/5/00 10:19 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

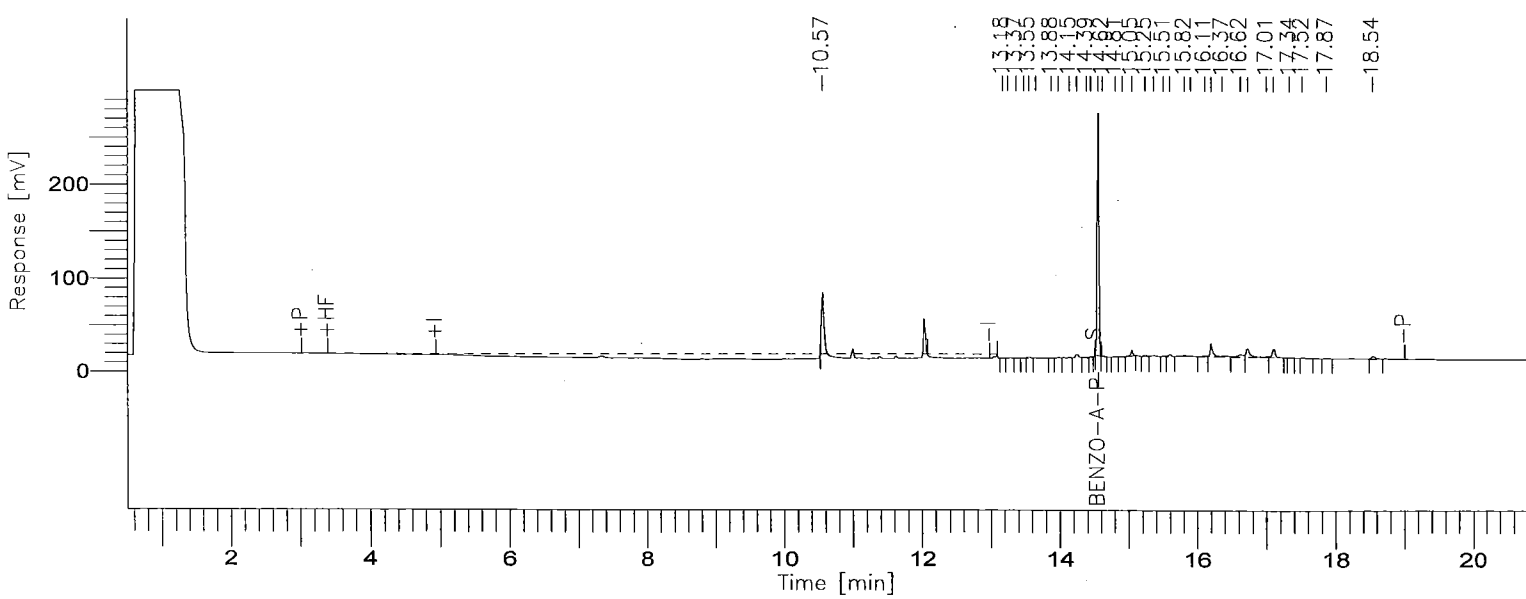
Raw Data File : C:\TC4\DATA_01\O05_028.RAW
Result File : C:\TC4\DATA_01\O05_028.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O05_028.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_01\O05.SEQ

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

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

Instrument Conditions:

Total number of peaks detected: 35



001509

BOE-C6-0157071

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.03	DIESEL C10-C24	0	0.000	------	10.0	
14.56	BENZO-A-PYRENE	478498	11.336	90.7	10.0	
		478498	11.336			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O05_028.TX0

Lot/Sample: E0I260285-016 C-66-13-1 TICs.....: N Report Results: Y
WO#.....: DL3GJ-1-0M 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: 10/05/00
Inject Time..: 22:49 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O05_029A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....: 9/26/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/06 12:03:16
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 9/27/00
QC Batch.....: 0271551
MS Run Number: 0271279
Prep Time....: 14:00-18:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1562-1SCS/250PPM/1ML

Total Solids.: .00

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

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	10.785	86.28		

Software Version: 4.1<2F12>
Sample Name : 285-16 Time : 10/6/00 10:20 AM
Sample Number: DL3GJ10M Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/5/00 10:49 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

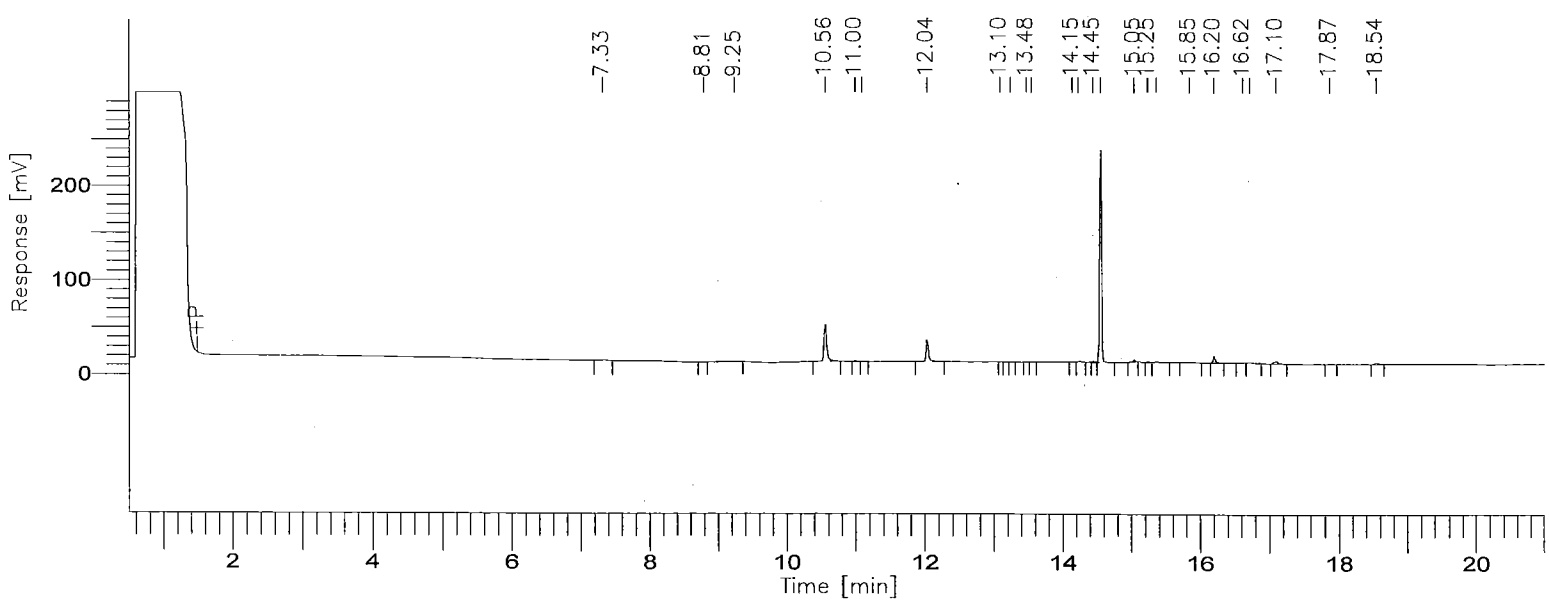
Raw Data File : C:\TC4\DATA_01\O05_029A.RAW
Result File : C:\TC4\DATA_01\O05_029A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O05_029A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O05A.SEQ

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

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

Instrument Conditions:

Total number of peaks detected: 25



001512

BOE-C6-0157074

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
3.45	C8-C9	0	0.000	------	1.0	
5.77	C10-C11	0	0.000	------	1.0	
7.31	C12-C13	4533	0.106	------	1.0	
8.59	C14-C15	1306	0.027	------	1.0	
9.69	C16-C17	9203	0.213	------	1.0	
10.72	C18-C19	113192	2.356	------	1.0	
12.02	C20-C23	57542	0.663	------	1.0	
13.53	C24-C27	6077	0.072	------	1.0	
14.82	C28-C31	471492	5.491	------	1.0	
15.90	C32-C35	18762	0.218	------	1.0	
16.99	C36-C39	17444	0.204	------	1.0	
19.29	C40+	6930	0.168	------	1.0	
		706480	9.516			

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/L	FN
7.33		4533	0.001	------	1.0	
		4533	0.001			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
[illegible].80		1306	0.000	------	1.0	
		1306	0.000			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
9.25		9203	0.002	------	1.0	
		9203	0.002			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
10.56		109260	0.027	------	1.0	
[illegible].00		2223	0.001	------	1.0	
[illegible].10		1709	0.000	------	1.0	
		113192	0.028			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
12.04		57542	0.014	------	1.0	
		57542	0.014			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
13.10		306	7.650e-05	------	1.0	
[illegible].25		1273	0.000	------	1.0	
[illegible].48		801	0.000	------	1.0	
13.55		611	0.000	------	1.0	
14.15		491	0.000	------	1.0	
14.23		2595	0.001	------	1.0	

6077	0.002	

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
14.45		2357	0.001	------	1.0	
14.56		456986	0.114	------	1.0	
15.05		6156	0.002	------	1.0	
15.25		2917	0.001	------	1.0	
15.37		3076	0.001	------	1.0	
		471492	0.118			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
15.85		3530	0.001	------	1.0	
16.20		15232	0.004	------	1.0	
		18762	0.005			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
16.62		1905	0.000	------	1.0	
16.72		4930	0.001	------	1.0	
17.10		10609	0.003	------	1.0	
		17444	0.004			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
17.87		1597	0.000	------	1.0	
[illegible].54		5332	0.001	------	1.0	
		6930	0.002			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\005_029A.TX0

Software Version: 4.1<2F12>
Sample Name : 285-16 Time : 10/6/00 07:07 AM
Sample Number: DL3GJ10M Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/5/00 10:49 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

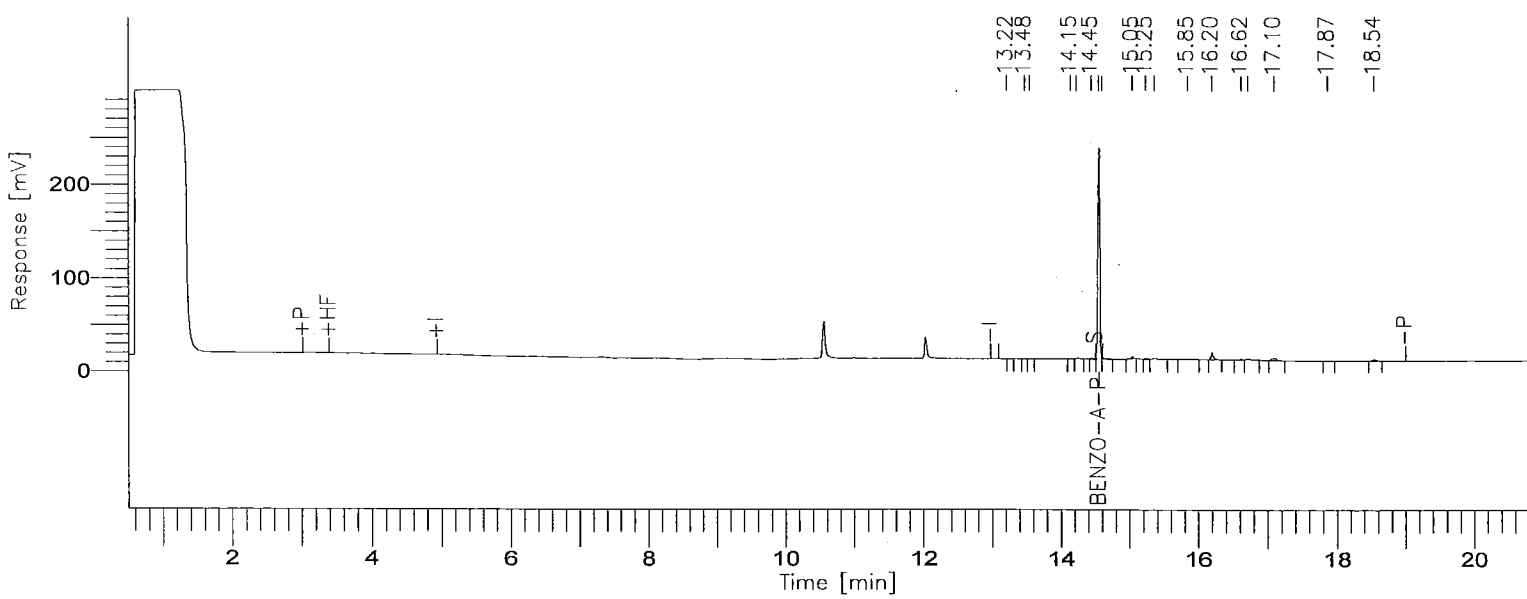
Raw Data File : C:\TC4\DATA_01\O05_029.RAW
Result File : C:\TC4\DATA_01\O05_029.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O05_029.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_01\O05.SEQ

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

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

Instrument Conditions:

Total number of peaks detected: 18



001517

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.03	DIESEL C10-C24	0	0.000	------	10.0	
14.56	BENZO-A-PYRENE	455243	10.785	86.3	10.0	
		455243	10.785			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\005_029.TX0

Lot/Sample: E0I260285-017 C-66-13-5 TICs.....: N Report Results: Y
WO#.....: DL3GK-1-0M 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: 10/05/00
Inject Time..: 23:18 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 2.00 Instr File: 005_030A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....: 9/26/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/06 12:04:04
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 9/27/00
QC Batch.....: 0271551
MS Run Number: 0271279
Prep Time....: 14:00-18:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1562-1SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05120	C8-C9			ND	20			
05121	C10-C11			ND	20			
05122	C12-C13			ND	20			
05123	C14-C15			ND	20			
05124	C16-C17			ND	20			
05125	C18-C19			5.804	20		J	J
05132	C40+			ND	20			
05136	Total Carbon Chain Rang			43.681	20			
05201	C20-C23			7.546	20		J	J
05202	C24-C27			ND	20			
05203	C28-C31			9.028	20		J	J
05204	C32-C35			9.355	20		J	J
05205	C36-C39			5.807	20		J	J

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		25	12.868	51.472	*	*

Notes:
J Estimated result. Result is less than RL.

(Continued on next page)

Lot/Sample: E0I260285-017 C-66-13-5 TICs.....: N Report Results: Y
WO#.....: DL3GK-1-0M 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:

* Surrogate recovery is outside stated control limits.

MATRIX INTERFERENCE WITH BAP.

Software Version: 4.1<2F12>
Sample Name : 285-17 2X
Sample Number: DL3GK10M
Operator :

Time : 10/6/00 10:20 AM
Study : ICAL 8/28/00

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

Channel : A A/D mV Range : 1000

Interface Serial # : 2136574898 Data Acquisition Time: 10/5/00 11:18 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_01\O05_030A.RAW
Result File : C:\TC4\DATA_01\O05_030A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O05_030A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O05A.SEQ

Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 2.00

Noise Threshold: 50
Multiplier : 5.0000

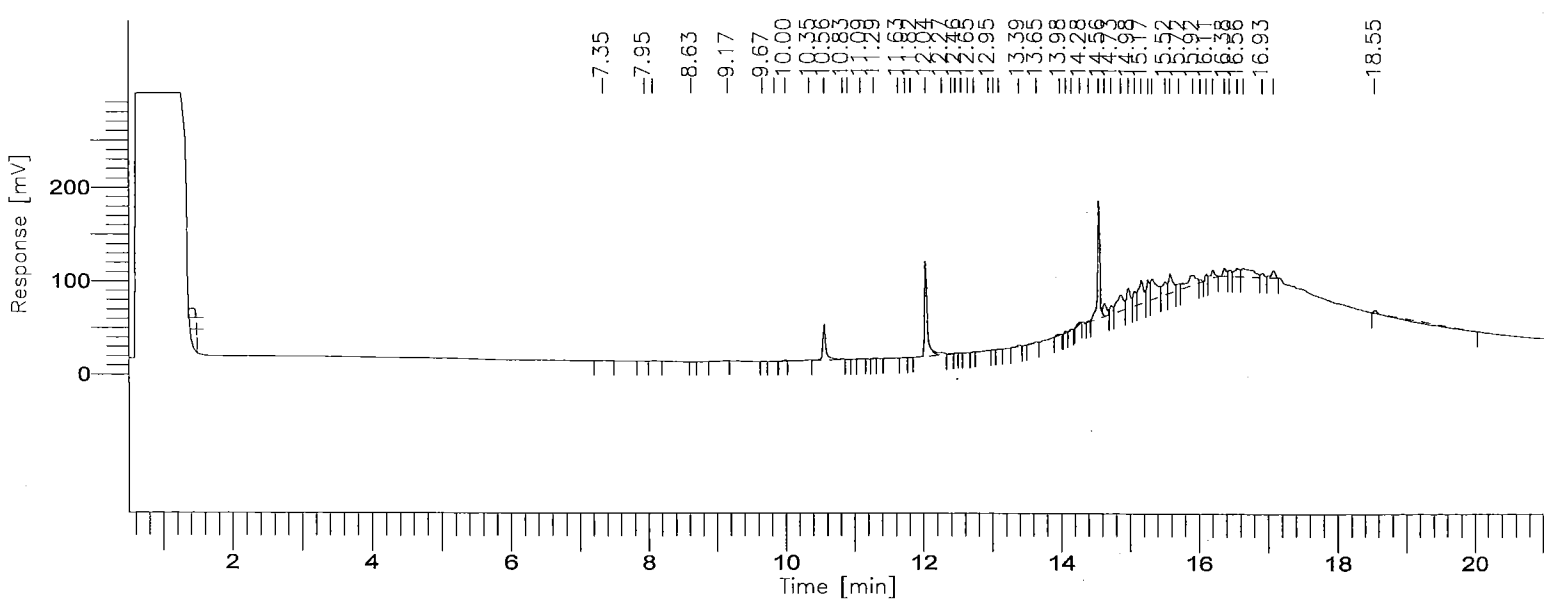
Area Threshold : 200
Divisor : 20.0000

Bunch Factor: 1
Addend : 0.0000

User1 : TPHDA
User2 :
User3 :
User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 57



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
3.45	C8-C9	0	0.000	------	2.0	
5.77	C10-C11	0	0.000	------	2.0	
7.31	C12-C13	4874	0.227	------	2.0	
8.59	C14-C15	2671	0.111	------	2.0	
9.69	C16-C17	9985	0.461	------	2.0	
10.72	C18-C19	139400	5.804	------	2.0	
12.02	C20-C23	327690	7.546	------	2.0	
13.53	C24-C27	49387	1.176	------	2.0	
14.82	C28-C31	1046850	24.382	------	2.0	
15.90	C32-C35	402778	9.355	------	2.0	
16.99	C36-C39	248749	5.807	------	2.0	
19.29	C40+	86029	4.166	------	2.0	
		2318413	59.035			

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/L	FN
7.35		3585	0.002	------	2.0	
.95		1289	0.001	------	2.0	
		4874	0.002			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
8.07		1890	0.001	------	2.0	
8.63		781	0.000	------	2.0	
		2671	0.001			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
9.17		2810	0.001	------	2.0	
9.67		1510	0.001	------	2.0	
9.84		1689	0.001	------	2.0	
10.00		3976	0.002	------	2.0	
		9985	0.005			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
10.35		10064	0.005	------	2.0	
10.56		117103	0.059	------	2.0	
10.83		7229	0.004	------	2.0	
10.90		1516	0.001	------	2.0	
11.09		3487	0.002	------	2.0	
		139400	0.070			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
11.29		1883	0.001	------	2.0	
11.63		3356	0.002	------	2.0	
11.73		1875	0.001	------	2.0	
.82		1746	0.001	------	2.0	
12.04		281850	0.141	------	2.0	
12.27		22803	0.011	------	2.0	
12.41		6121	0.003	------	2.0	
12.46		2812	0.001	------	2.0	
12.55		1525	0.001	------	2.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
12.65		1854	0.001	------	2.0	
12.73		1864	0.001	------	2.0	
		327690	0.164			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
12.95		4065	0.002	------	2.0	
13.02		1877	0.001	------	2.0	
13.10		3316	0.002	------	2.0	
13.38		8583	0.004	------	2.0	
13.65		9282	0.005	------	2.0	
13.98		9381	0.005	------	2.0	
14.07		6871	0.003	------	2.0	
14.15		6012	0.003	------	2.0	
		49387	0.025			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
14.28		12470	0.006	------	2.0	
14.41		6424	0.003	------	2.0	
14.56		316107	0.158	------	2.0	
14.64		51563	0.026	------	2.0	
14.73		32583	0.016	------	2.0	
14.87		123231	0.062	------	2.0	
14.98		87322	0.044	------	2.0	
15.07		57045	0.029	------	2.0	
15.17		139130	0.070	------	2.0	
15.27		77648	0.039	------	2.0	
15.33		143327	0.072	------	2.0	
		1046850	0.523			

oup Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
15.51		74254	0.037	------	2.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
15.59		90627	0.045	------	2.0	
15.72		28024	0.014	------	2.0	
15.92		110556	0.055	------	2.0	
16.03		9542	0.005	------	2.0	
16.11		18692	0.009	------	2.0	
16.21		38534	0.019	------	2.0	
16.38		32549	0.016	------	2.0	
		402778	0.201			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
16.45		26070	0.013	------	2.0	
16.56		52595	0.026	------	2.0	
16.64		118171	0.059	------	2.0	
16.92		17340	0.009	------	2.0	
17.08		34573	0.017	------	2.0	
		248749	0.124			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
18.55		86029	0.043	------	2.0	
		86029	0.043			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O05_030A.TX0

Software Version: 4.1<2F12>
Sample Name : 285-17 2X Time : 10/6/00 07:07 AM
Sample Number: DL3GK10M Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/5/00 11:18 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

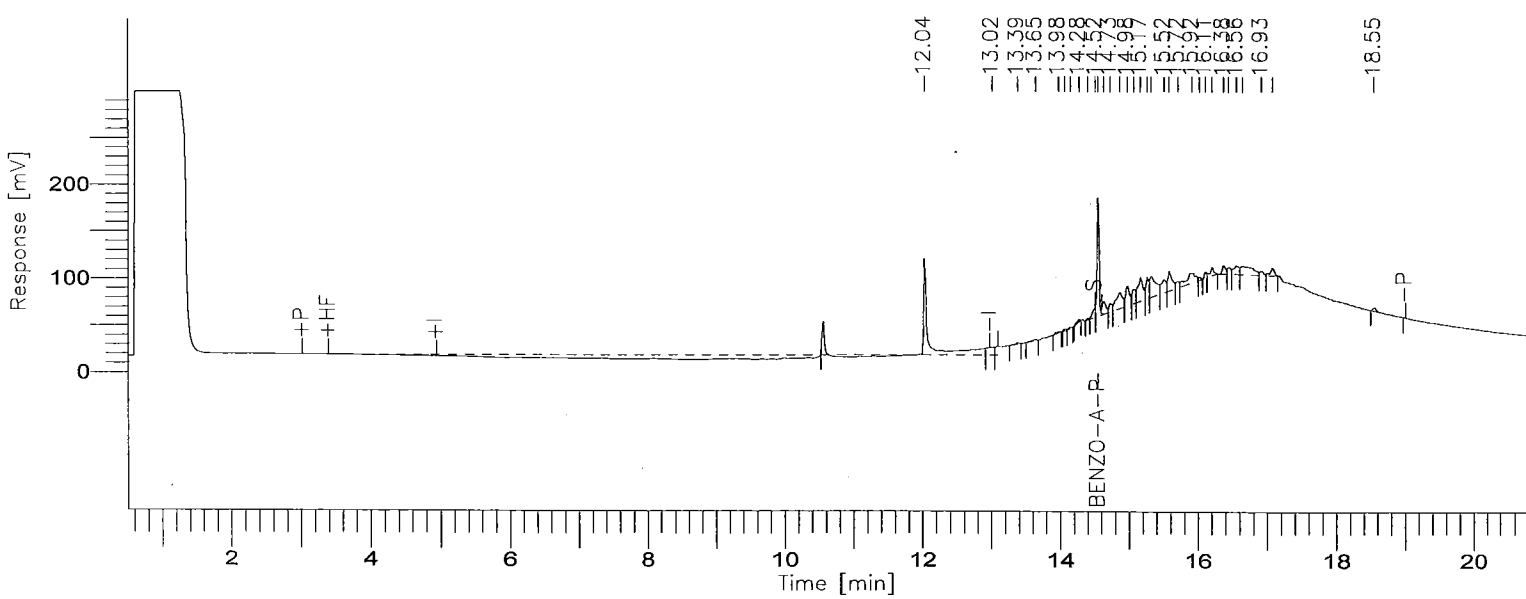
Raw Data File : C:\TC4\DATA_01\O05_030.RAW
Result File : C:\TC4\DATA_01\O05_030.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O05_030.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_01\O05.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 2.00

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



001526

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.03	DIESEL C10-C24	0	0.000	------	20.0	
14.56	BENZO-A-PYRENE	271584	12.868	102.9	20.0	
		271584	12.868			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\005_030.TX0

Lot/Sample: E0I260285-019 C-66-14-1 TICs.....: N Report Results: Y
WO#.....: DL3GM-1-0M 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: 10/05/00
Inject Time..: 23:48 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O05_031A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....: 9/26/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/06 12:04:30
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 9/27/00
QC Batch.....: 0271551
MS Run Number: 0271279
Prep Time....: 14:00-18:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1562-1SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05120	C8-C9			ND	10			
05121	C10-C11			ND	10			
05122	C12-C13			ND	10			
05123	C14-C15			ND	10			
05124	C16-C17			ND	10			
05125	C18-C19			ND	10			
05132	C40+			ND	10			
05136	Total Carbon Chain Rang			20.335	10			
05201	C20-C23			5.771	10		J	J
05202	C24-C27			ND	10			
05203	C28-C31			ND	10			
05204	C32-C35			ND	10			
05205	C36-C39			7.833	10		J	J

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	11.200	89.6		

Notes:

J Estimated result. Result is less than RL.

(Continued on next page)

Lot/Sample: E0I260285-019 C-66-14-1 TICs.....: N Report Results: Y
WO#.....: DL3GM-1-0M 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 : 285-19 Time : 10/6/00 10:20 AM
Sample Number: DL3GM10M Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/5/00 11:48 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

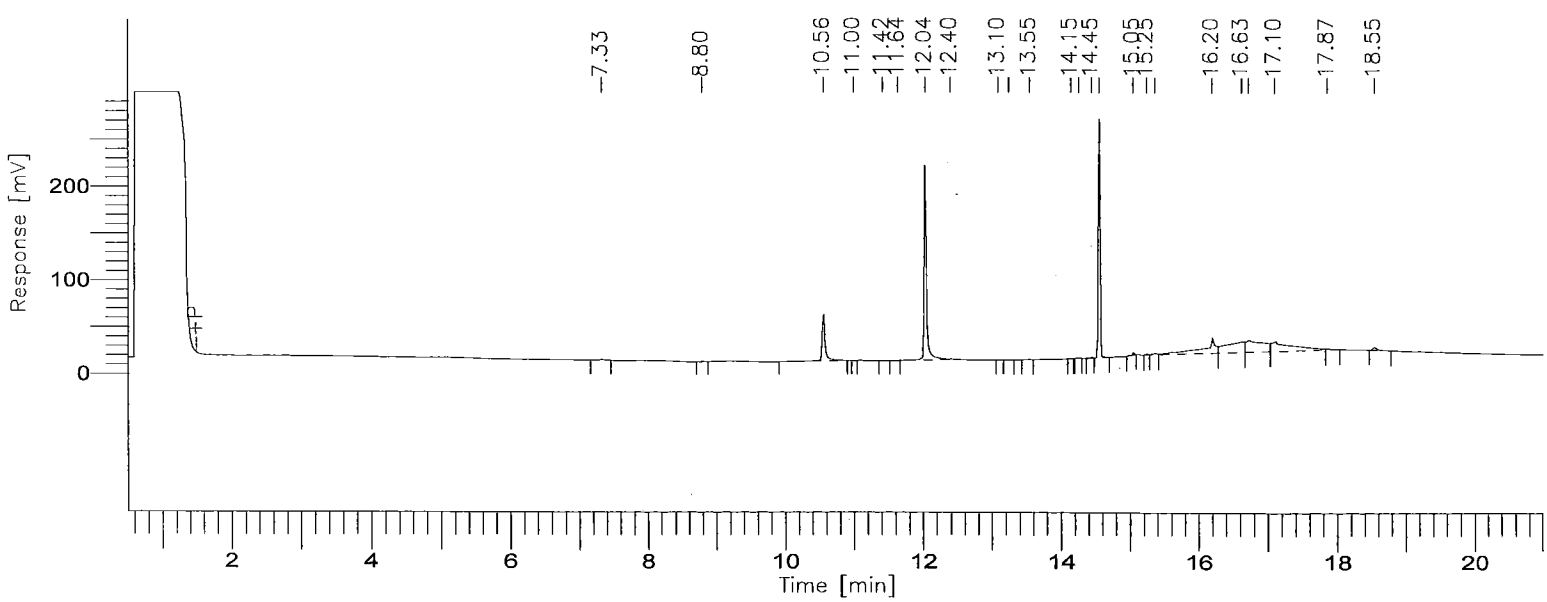
Raw Data File : C:\TC4\DATA_01\O05_031A.RAW
Result File : C:\TC4\DATA_01\O05_031A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O05_031A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O05A.SEQ

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

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

Instrument Conditions:

Total number of peaks detected: 24



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
3.45	C8-C9	0	0.000	------	1.0	
5.77	C10-C11	0	0.000	------	1.0	
7.31	C12-C13	5283	0.123	------	1.0	
8.59	C14-C15	1340	0.028	------	1.0	
9.69	C16-C17	0	0.000	------	1.0	
10.72	C18-C19	158506	3.300	------	1.0	
12.02	C20-C23	501209	5.771	------	1.0	
13.53	C24-C27	3714	0.044	------	1.0	
14.82	C28-C31	499195	5.813	------	1.0	
15.90	C32-C35	212482	2.468	------	1.0	
16.99	C36-C39	671037	7.833	------	1.0	
19.29	C40+	19075	0.462	------	1.0	
		2071842	25.841			

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/L	FN
7.33		5283	0.001	------	1.0	
		5283	0.001			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
.80		1340	0.000	------	1.0	
		1340	0.000			

Group Report For : C16-C17

No peaks available to report

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
10.56		157796	0.039	------	1.0	
11.00		711	0.000	------	1.0	
		158506	0.040			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
11.42		761	0.000	------	1.0	
11.64		279	6.975e-05	------	1.0	
12.04		489055	0.122	------	1.0	
12.40		11114	0.003	------	1.0	
		501209	0.125			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
13.10		435	0.000	------	1.0	
13.25		1040	0.000	------	1.0	
.55		1236	0.000	------	1.0	
14.15		1003	0.000	------	1.0	
		3714	0.001			

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
[illegible].80		1340	0.000	------	1.0	
		1340	0.000			

Group Report For : C16-C17

No peaks available to report

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
10.56		157796	0.039	------	1.0	
11.00		711	0.000	------	1.0	
		158506	0.040			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
11.42		761	0.000	------	1.0	
11.64		279	6.975e-05	------	1.0	
12.04		489055	0.122	------	1.0	
12.40		11114	0.003	------	1.0	
		501209	0.125			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
13.10		435	0.000	------	1.0	
13.25		1040	0.000	------	1.0	
[illegible].55		1236	0.000	------	1.0	
14.15		1003	0.000	------	1.0	
		3714	0.001			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
14.27		2419	0.001	------	1.0	
14.45		2634	0.001	------	1.0	
14.56		475281	0.119	------	1.0	
15.05		6536	0.002	------	1.0	
15.25		4419	0.001	------	1.0	
15.37		7906	0.002	------	1.0	
		499195	0.125			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
16.20		212482	0.053	------	1.0	
		212482	0.053			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
16.62		213397	0.053	------	1.0	
16.73		227296	0.057	------	1.0	
17.10		230343	0.058	------	1.0	
		671037	0.168			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
17.87		7229	0.002	------	1.0	
18.55		11846	0.003	------	1.0	
		19075	0.005			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

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STL - LOS ANGELES

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Report stored in ASCII file: C:\TC4\DATA_01\O05_031A.TX0

Software Version: 4.1<2F12>
Sample Name : 285-19 Time : 10/6/00 07:07 AM
Sample Number: DL3GM10M Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/5/00 11:48 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

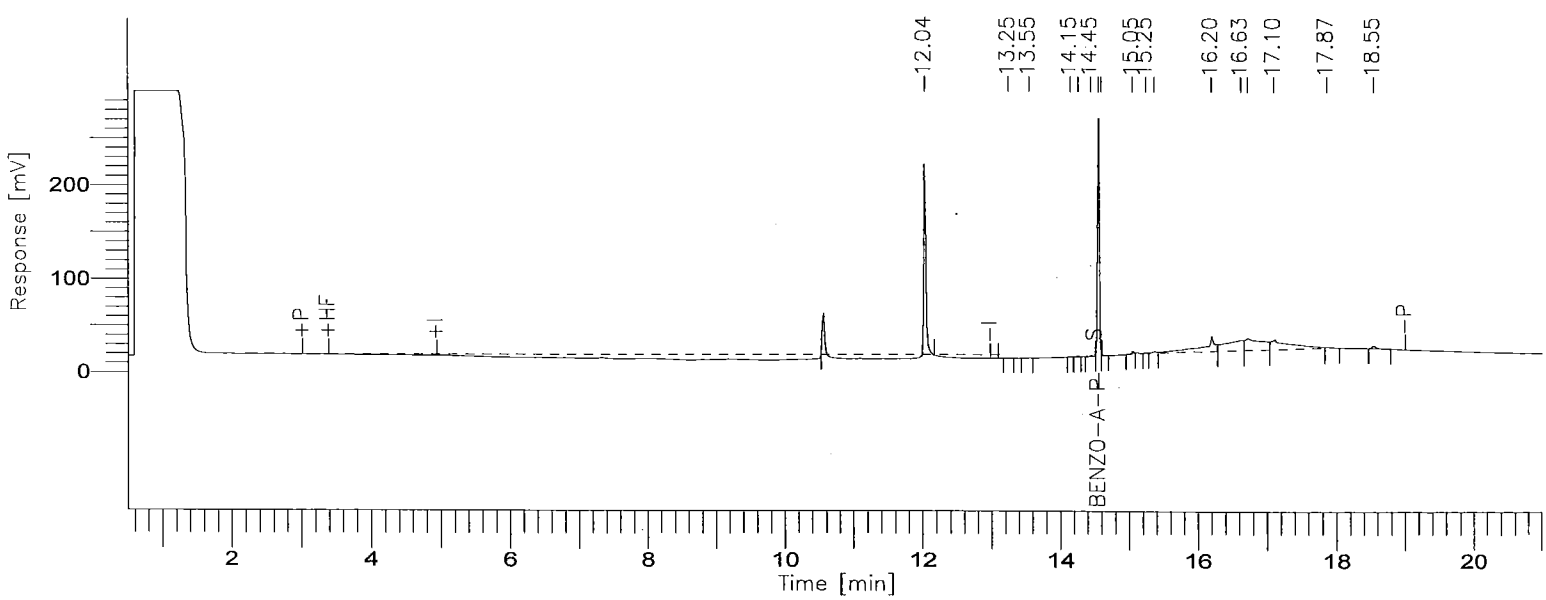
Raw Data File : C:\TC4\DATA_01\O05_031.RAW
Result File : C:\TC4\DATA_01\O05_031.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O05_031.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_01\O05.SEQ

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

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

Instrument Conditions:

Total number of peaks detected: 17



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.03	DIESEL C10-C24	0	0.000	------	10.0	
14.56	BENZO-A-PYRENE	472777	11.200	89.6	10.0	
		472777	11.200			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\005_031.TX0

Lot/Sample: E0I260285-020 C-66-14-5 TICs.....: N Report Results: Y
WO#.....: DL3GN-1-0M 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: 10/06/00
Inject Time..: 0:18 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: 005_032A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....: 9/26/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/06 12:04:56
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 9/27/00
QC Batch.....: 0271551
MS Run Number: 0271279
Prep Time....: 14:00-18:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1562-1SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05120	C8-C9			ND	10			
05121	C10-C11			ND	10			
05122	C12-C13			ND	10			
05123	C14-C15			ND	10			
05124	C16-C17			ND	10			
05125	C18-C19			ND	10			
05132	C40+			ND	10			
05136	Total Carbon Chain Rang			6.859	10		J	J
05201	C20-C23			ND	10			
05202	C24-C27			ND	10			
05203	C28-C31			ND	10			
05204	C32-C35			ND	10			
05205	C36-C39			ND	10			

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	11.324	90.592		

Notes:
J Estimated result. Result is less than RL.

(Continued on next page)

Lot/Sample: E0I260285-020 C-66-14-5 TICs.....: N Report Results: Y
WO#.....: DL3GN-1-0M 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 : 285-20 Time : 10/6/00 10:20 AM
Sample Number: DL3GN10M Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/6/00 12:18 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

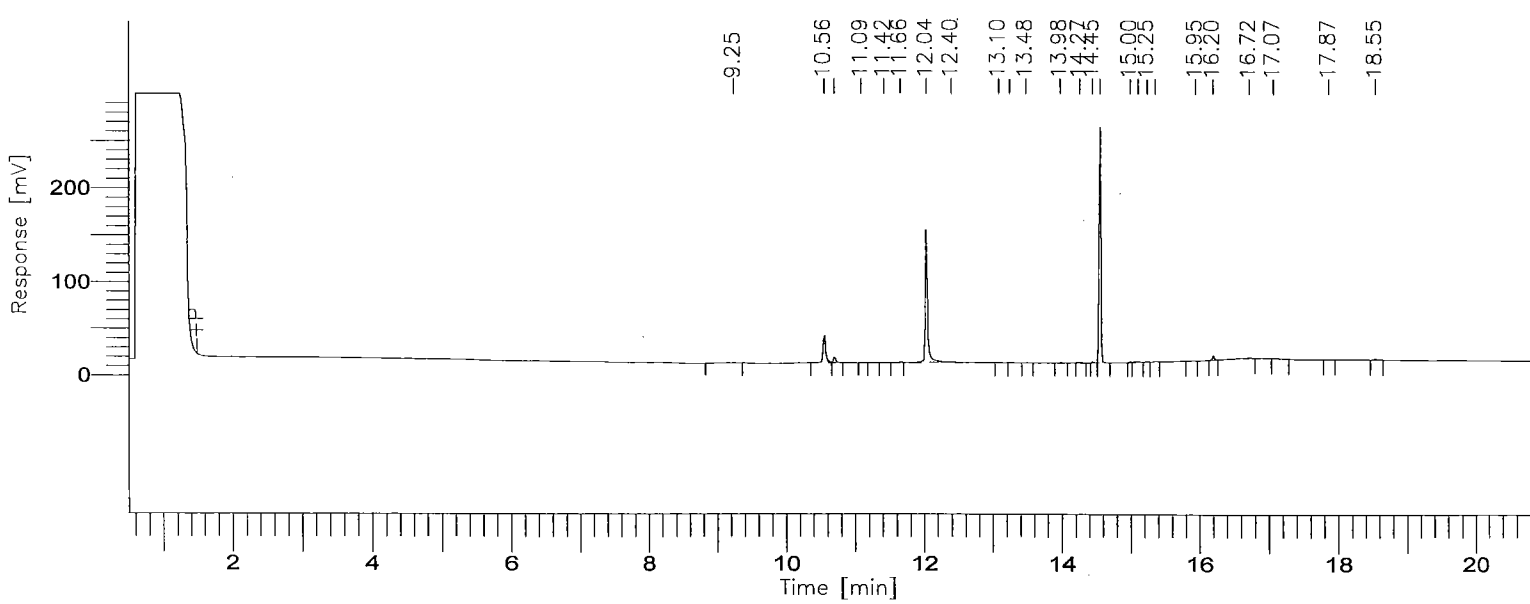
Raw Data File : C:\TC4\DATA_01\O05_032A.RAW
Result File : C:\TC4\DATA_01\O05_032A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O05_032A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O05A.SEQ

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

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

Instrument Conditions:

Total number of peaks detected: 25



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
3.45	C8-C9	0	0.000	------	1.0	
5.77	C10-C11	0	0.000	------	1.0	
7.31	C12-C13	0	0.000	------	1.0	
8.59	C14-C15	0	0.000	------	1.0	
9.69	C16-C17	8047	0.186	------	1.0	
10.72	C18-C19	94146	1.960	------	1.0	
12.02	C20-C23	350252	4.033	------	1.0	
13.53	C24-C27	3070	0.037	------	1.0	
14.82	C28-C31	497934	5.799	------	1.0	
15.90	C32-C35	10620	0.123	------	1.0	
16.99	C36-C39	14182	0.166	------	1.0	
19.29	C40+	5144	0.125	------	1.0	
		983396	12.427			

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

No peaks available to report

Group Report For : C14-C15

No peaks available to report

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
9.25		8047	0.002	------	1.0	
		8047	0.002			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
10.56		79114	0.020	------	1.0	
10.70		12870	0.003	------	1.0	
11.09		2162	0.001	------	1.0	
		94146	0.024			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
11.42		607	0.000	------	1.0	
11.66		3456	0.001	------	1.0	
12.04		335156	0.084	------	1.0	
12.40		11033	0.003	------	1.0	
		350252	0.088			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
13.09		381	9.532e-05	------	1.0	
13.25		1550	0.000	------	1.0	
13.48		637	0.000	------	1.0	
[illegible].98		502	0.000	------	1.0	
		3070	0.001			

Group Report For : C28-C31

001541

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
14.27		2504	0.001	------	1.0	
14.45		3309	0.001	------	1.0	
14.56		479378	0.120	------	1.0	
15.00		2507	0.001	------	1.0	
15.12		5478	0.001	------	1.0	
15.25		2608	0.001	------	1.0	
15.37		2150	0.001	------	1.0	
		497934	0.124			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
15.95		1117	0.000	------	1.0	
16.20		9503	0.002	------	1.0	
		10620	0.003			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
16.72		11786	0.003	------	1.0	
17.07		2396	0.001	------	1.0	
		14182	0.004			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
17.87		1292	0.000	------	1.0	
18.54		3852	0.001	------	1.0	
		5144	0.001			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

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STL - LOS ANGELES

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Report stored in ASCII file: C:\TC4\DATA_01\O05_032A.TX0

Software Version: 4.1<2F12>
Sample Name : 285-20 Time : 10/6/00 07:07 AM
Sample Number: DL3GN10M Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/6/00 12:18 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

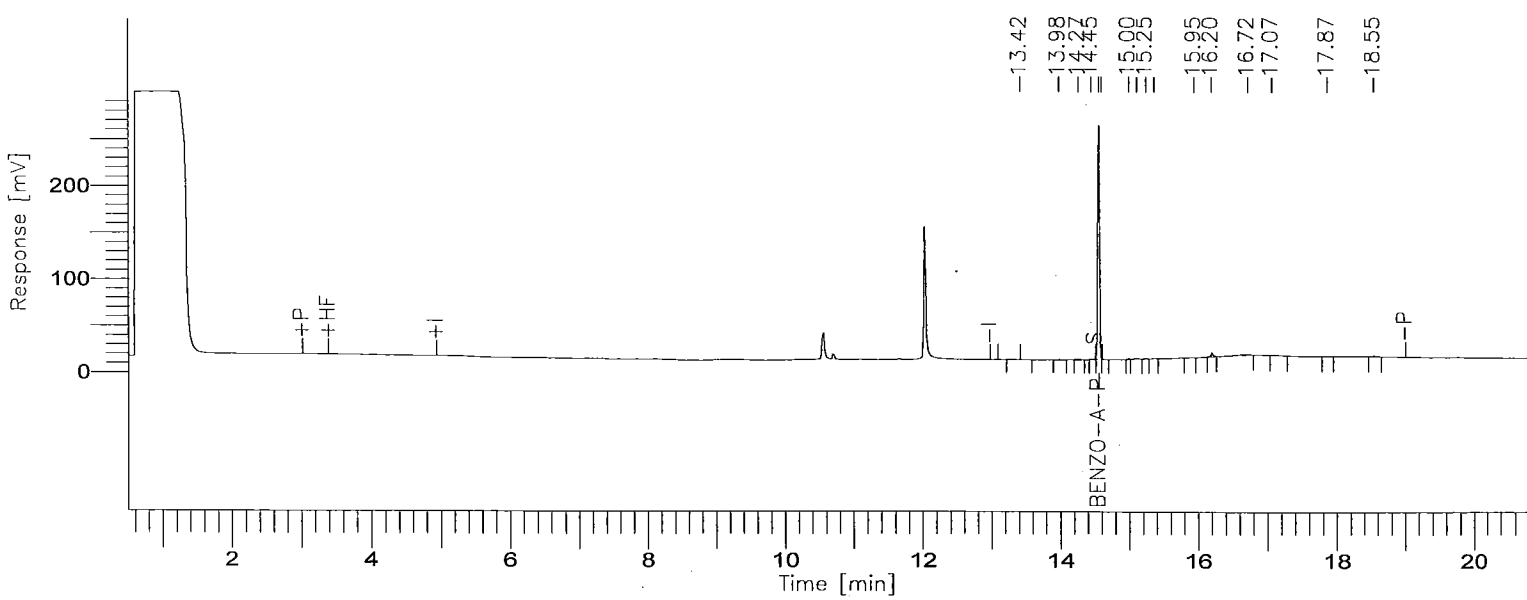
Raw Data File : C:\TC4\DATA_01\O05_032.RAW
Result File : C:\TC4\DATA_01\O05_032.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O05_032.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_01\O05.SEQ

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

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

Instrument Conditions:

Total number of peaks detected: 17



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.03	DIESEL C10-C24	0	0.000	------	10.0	
14.56	BENZO-A-PYRENE	478012	11.324	90.6	10.0	
		478012	11.324			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\005_032.TX0

Lot/Sample: E0I260285-021 C-66-15-1 TICs.....: N Report Results: Y
WO#.....: DL3GP-1-0M 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: 10/06/00
Inject Time..: 1:48 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O05_035A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....: 9/26/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/06 12:05:13
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 9/27/00
QC Batch.....: 0271551
MS Run Number: 0271279
Prep Time....: 14:00-18:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1562-1SCS/250PPM/1ML

Total Solids.: .00

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

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	10.668	85.344		

Software Version: 4.1<2F12>
Sample Name : 285-21 Time : 10/6/00 10:20 AM
Sample Number: DL3GP10M Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/6/00 01:48 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

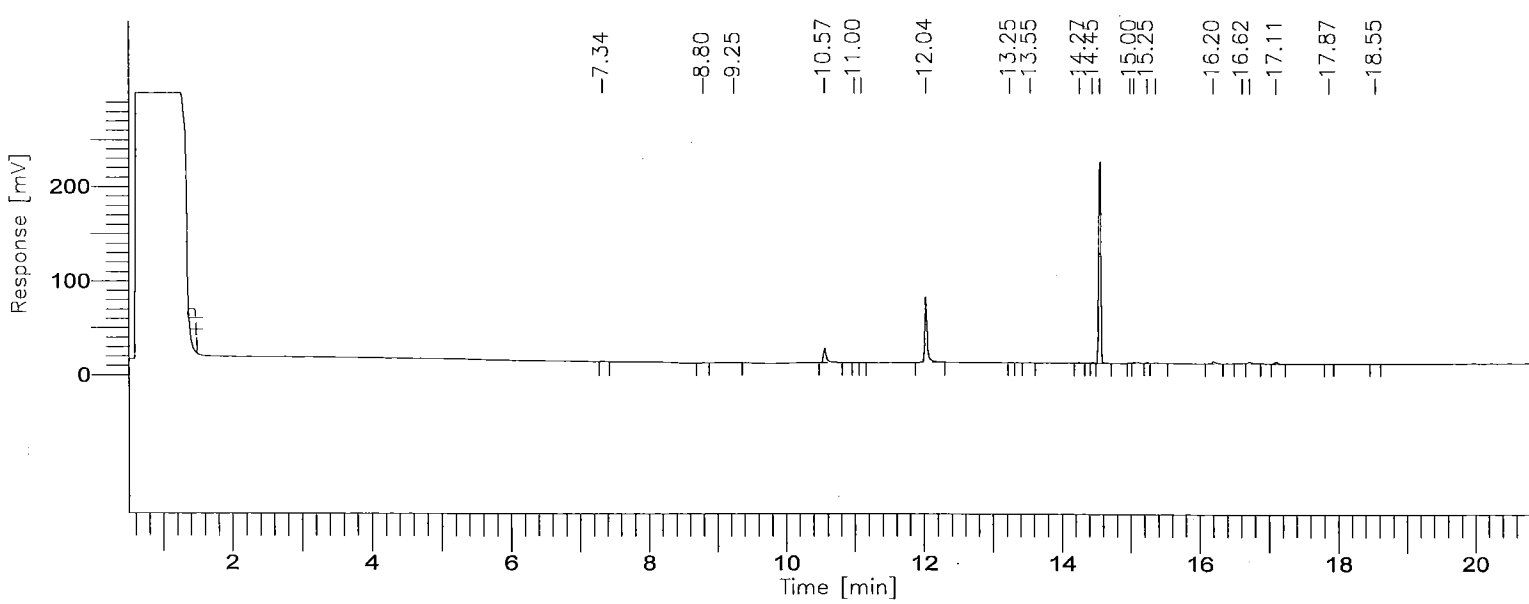
Raw Data File : C:\TC4\DATA_01\O05_035A.RAW
Result File : C:\TC4\DATA_01\O05_035A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O05_035A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O05A.SEQ

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



001547

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
3.45	C8-C9	0	0.000	------	1.0	
5.77	C10-C11	0	0.000	------	1.0	
7.31	C12-C13	1730	0.040	------	1.0	
8.59	C14-C15	2023	0.042	------	1.0	
9.69	C16-C17	8807	0.203	------	1.0	
10.72	C18-C19	44473	0.926	------	1.0	
12.02	C20-C23	158014	1.819	------	1.0	
13.53	C24-C27	1620	0.019	------	1.0	
14.82	C28-C31	470799	5.483	------	1.0	
15.90	C32-C35	7291	0.085	------	1.0	
16.99	C36-C39	13679	0.160	------	1.0	
19.29	C40+	2134	0.052	------	1.0	
		710570	8.829			

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/L	FN
7.34		1730	0.000	------	1.0	
		1730	0.000			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
.80		2023	0.001	------	1.0	
		2023	0.001			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
9.25		8807	0.002	------	1.0	
		8807	0.002			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
10.57		42467	0.011	------	1.0	
.00		1380	0.000	------	1.0	
.10		626	0.000	------	1.0	
		44473	0.011			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
12.04		158014	0.040	------	1.0	
		158014	0.040			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
13.25		687	0.000	------	1.0	
.55		932	0.000	------	1.0	
		1620	0.000			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
14.27		2298	0.001	------	1.0	
14.45		2204	0.001	------	1.0	
14.56		451920	0.113	------	1.0	
15.00		2482	0.001	------	1.0	
15.05		6472	0.002	------	1.0	
15.25		2546	0.001	------	1.0	
15.37		2878	0.001	------	1.0	
		470799	0.118			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
16.20		7291	0.002	------	1.0	
		7291	0.002			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
16.62		1984	0.000	------	1.0	
16.72		6370	0.002	------	1.0	
17.11		5326	0.001	------	1.0	
		13679	0.003			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
17.87		947	0.000	------	1.0	
18.55		1188	0.000	------	1.0	
		2134	0.001			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

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STL - LOS ANGELES

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Report stored in ASCII file: C:\TC4\DATA_01\005_035A.TX0

Software Version: 4.1<2F12>
Sample Name : 285-21 Time : 10/6/00 07:07 AM
Sample Number: DL3GP10M Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/6/00 01:48 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

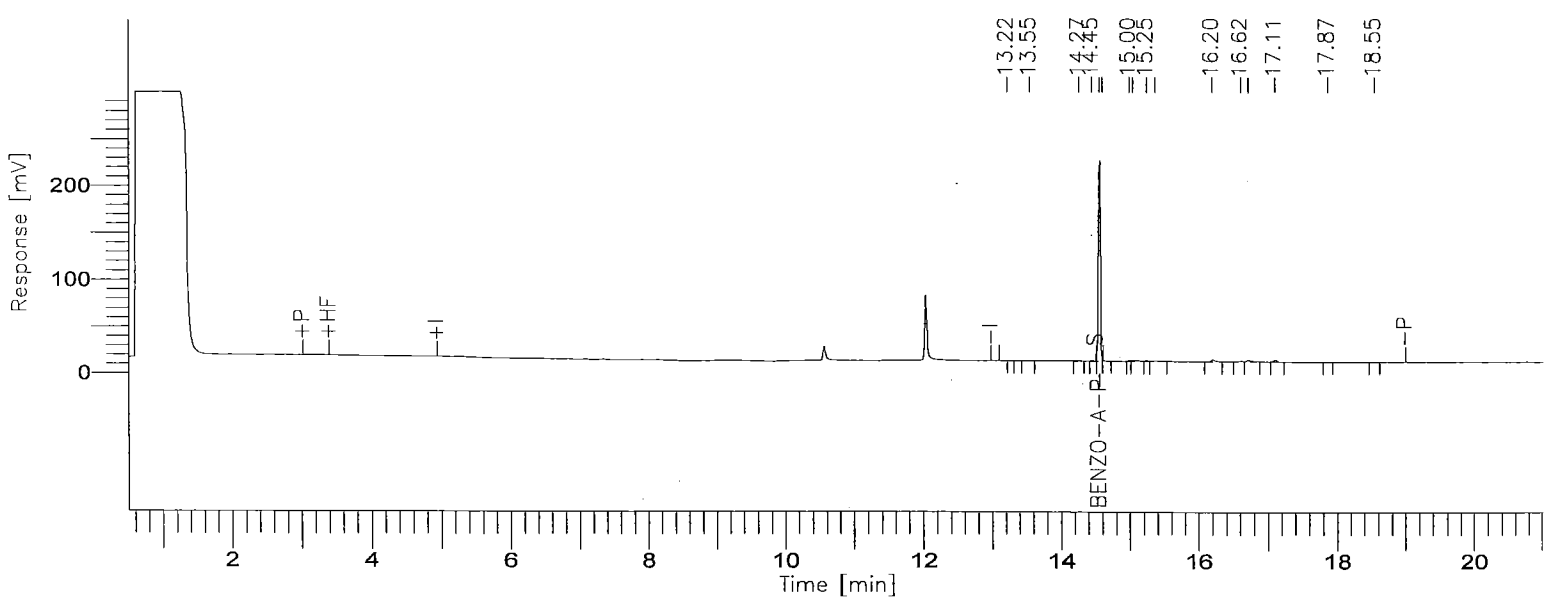
Raw Data File : C:\TC4\DATA_01\O05_035.RAW
Result File : C:\TC4\DATA_01\O05_035.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O05_035.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_01\O05.SEQ

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



001552

BOE-C6-0157115

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.03	DIESEL C10-C24	0	0.000	------	10.0	
14.56	BENZO-A-PYRENE	450311	10.668	85.3	10.0	
		450311	10.668			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O05_035.TX0

Lot/Sample: E0I260285-022 C-66-15-5 TICs.....: N Report Results: Y
WO#.....: DL3GR-1-0M 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: 10/06/00
Inject Time..: 2:18 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: 005_036A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....: 9/26/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/06 12:05:34
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 9/27/00
QC Batch.....: 0271551
MS Run Number: 0271279
Prep Time....: 14:00-18:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1562-1SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05120	C8-C9			ND	10			
05121	C10-C11			ND	10			
05122	C12-C13			ND	10			
05123	C14-C15			ND	10			
05124	C16-C17			ND	10			
05125	C18-C19			ND	10			
05132	C40+			ND	10			
05136	Total Carbon Chain Rang			5.134	10		J	J
05201	C20-C23			ND	10			
05202	C24-C27			ND	10			
05203	C28-C31			ND	10			
05204	C32-C35			ND	10			
05205	C36-C39			ND	10			

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	11.946	95.568		

Notes:
J Estimated result. Result is less than RL.

(Continued on next page)

Lot/Sample: E0I260285-022 C-66-15-5 TICs.....: N Report Results: Y
WO#.....: DL3GR-1-0M 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 : 285-22 Time : 10/6/00 10:20 AM
Sample Number: DL3GR10M Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/6/00 02:18 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

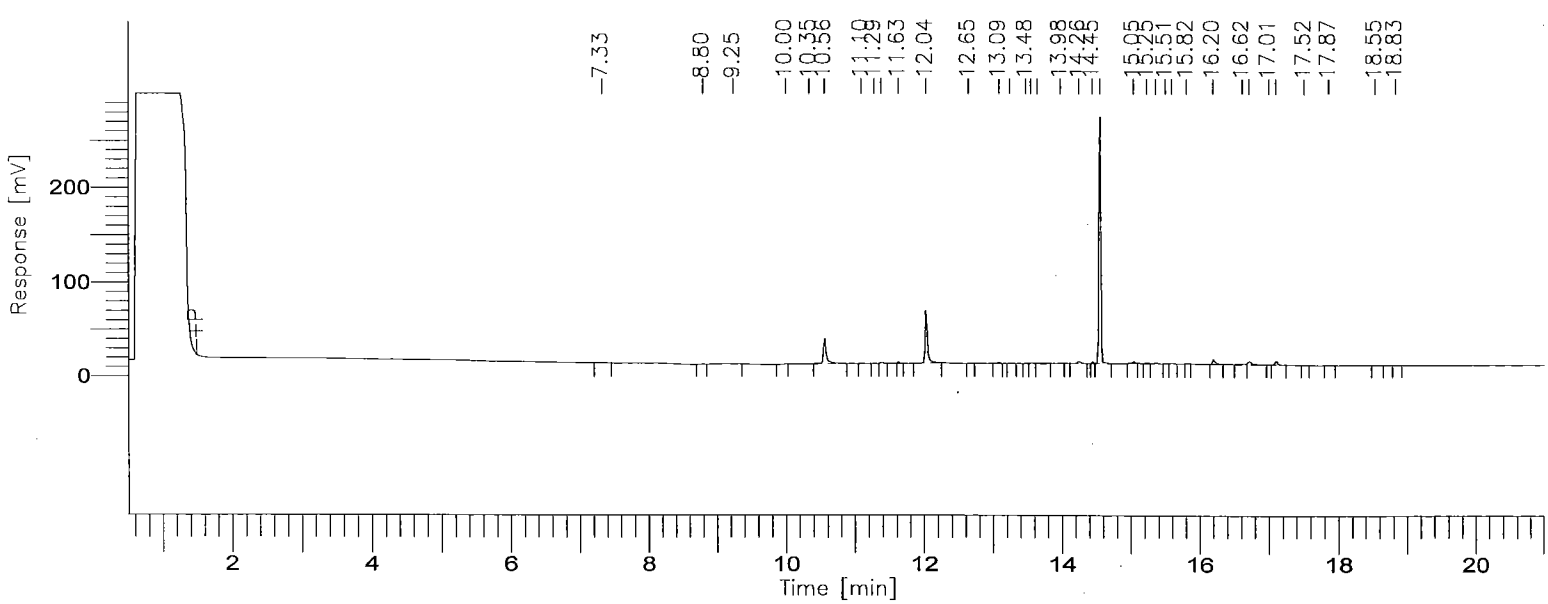
Raw Data File : C:\TC4\DATA_01\O05_036A.RAW
Result File : C:\TC4\DATA_01\O05_036A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O05_036A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O05A.SEQ

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

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

Instrument Conditions:

Total number of peaks detected: 36



001556

BOE-C6-0157119

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
3.45	C8-C9	0	0.000	------	1.0	
5.77	C10-C11	0	0.000	------	1.0	
7.31	C12-C13	3371	0.079	------	1.0	
8.59	C14-C15	2066	0.043	------	1.0	
9.69	C16-C17	12747	0.294	------	1.0	
10.72	C18-C19	92155	1.918	------	1.0	
12.02	C20-C23	138118	1.590	------	1.0	
13.53	C24-C27	13535	0.161	------	1.0	
14.82	C28-C31	535731	6.239	------	1.0	
15.90	C32-C35	17247	0.200	------	1.0	
16.99	C36-C39	31606	0.369	------	1.0	
19.29	C40+	4688	0.114	------	1.0	
		851262	11.007			

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/L	FN
7.33		3371	0.001	------	1.0	
		3371	0.001			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
[illegible].80		2066	0.001	------	1.0	
		2066	0.001			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
9.25		10413	0.003	------	1.0	
10.00		2334	0.001	------	1.0	
		12747	0.003			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
[illegible].35		7491	0.002	------	1.0	
[illegible].56		82760	0.021	------	1.0	
11.10		1904	0.000	------	1.0	
		92155	0.023			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
11.29		1138	0.000	------	1.0	
11.39		3026	0.001	------	1.0	
11.63		3482	0.001	------	1.0	
12.04		129299	0.032	------	1.0	
12.65		1172	0.000	------	1.0	
		138118	0.035			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
13.09		4740	0.001	------	1.0	
13.25		1622	0.000	------	1.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
13.48		1310	0.000	------	1.0	
13.55		2613	0.001	------	1.0	
13.65		1903	0.000	------	1.0	
13.98		1347	0.000	------	1.0	
		13535	0.003			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
14.26		6876	0.002	------	1.0	
14.45		3022	0.001	------	1.0	
14.56		512541	0.128	------	1.0	
15.05		6085	0.002	------	1.0	
15.25		3551	0.001	------	1.0	
15.37		3655	0.001	------	1.0	
		535731	0.134			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
15.51		867	0.000	------	1.0	
15.60		2222	0.001	------	1.0	
15.82		1286	0.000	------	1.0	
16.20		12872	0.003	------	1.0	
		17247	0.004			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
16.62		4383	0.001	------	1.0	
16.72		14682	0.004	------	1.0	
17.01		1051	0.000	------	1.0	
17.11		11036	0.003	------	1.0	
17.52		455	0.000	------	1.0	
		31606	0.008			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
17.87		1118	0.000	------	1.0	
18.55		2770	0.001	------	1.0	
18.83		799	0.000	------	1.0	
		4688	0.001			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\005_036A.TX0

Software Version: 4.1<2F12>
Sample Name : 285-22 Time : 10/6/00 07:08 AM
Sample Number: DL3GR10M Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/6/00 02:18 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

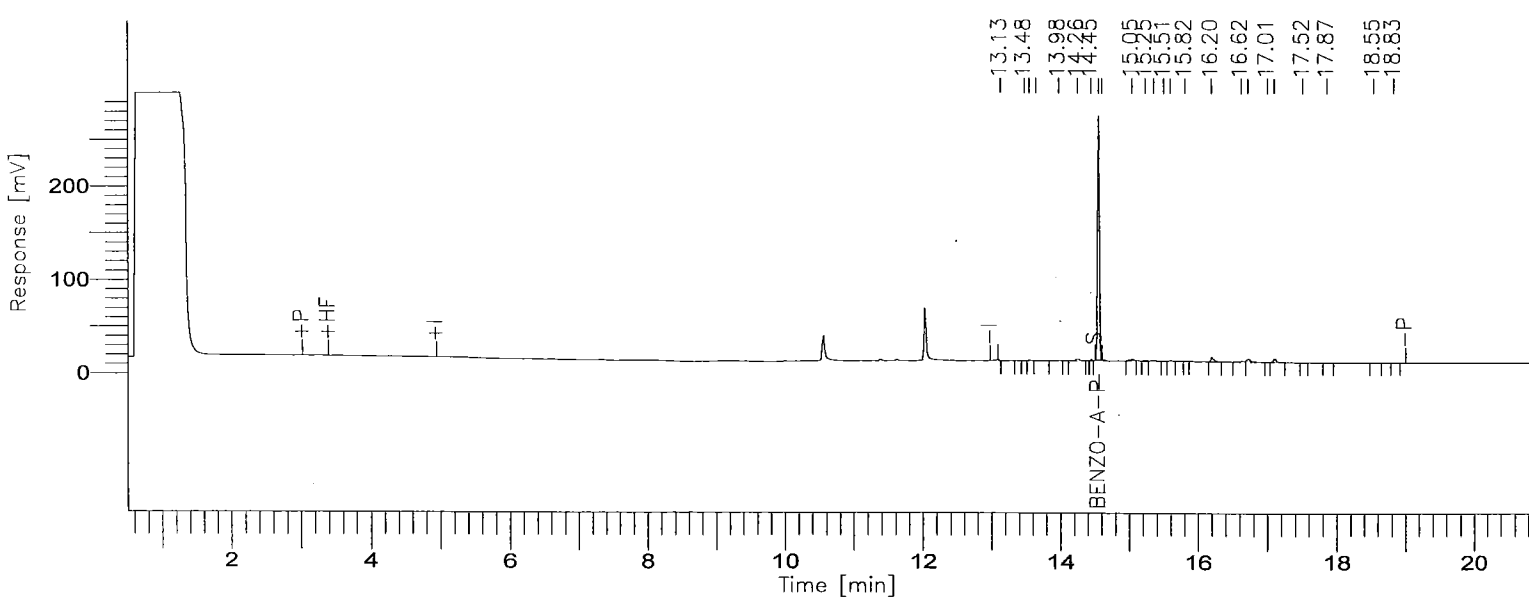
Raw Data File : C:\TC4\DATA_01\O05_036.RAW
Result File : C:\TC4\DATA_01\O05_036.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O05_036.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_01\O05.SEQ

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

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

Instrument Conditions:

Total number of peaks detected: 24



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.03	DIESEL C10-C24	0	0.000	------	10.0	
14.56	BENZO-A-PYRENE	504256	11.946	95.6	10.0	
		504256	11.946			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\005_036.TX0

Lot/Sample: E0I260285-024 C-2-1-1 TICs.....: N Report Results: Y
WO#.....: DL3GW-1-0M 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: 10/06/00
Inject Time..: 2:48 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O05_037A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....: 9/26/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/06 12:05:57
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 9/27/00
QC Batch.....: 0271551
MS Run Number: 0271279
Prep Time....: 14:00-18:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1562-1SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05120	C8-C9			ND	10			
05121	C10-C11			ND	10			
05122	C12-C13			ND	10			
05123	C14-C15			ND	10			
05124	C16-C17			ND	10			
05125	C18-C19			ND	10			
05132	C40+			ND	10			
05136	Total Carbon Chain Rang			5.399	10		J	J
05201	C20-C23			ND	10			
05202	C24-C27			ND	10			
05203	C28-C31			ND	10			
05204	C32-C35			ND	10			
05205	C36-C39			ND	10			

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	11.245	89.96		

Notes:
J Estimated result. Result is less than RL.

(Continued on next page)

Lot/Sample: E0I260285-024 C-2-1-1 TICs.....: N Report Results: Y
WO#.....: DL3GW-1-0M 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 : 285-24 Time : 10/6/00 10:20 AM
Sample Number: DL2GW10M Study : ICAL 8/28/00
Operator : W

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/6/00 02:48 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

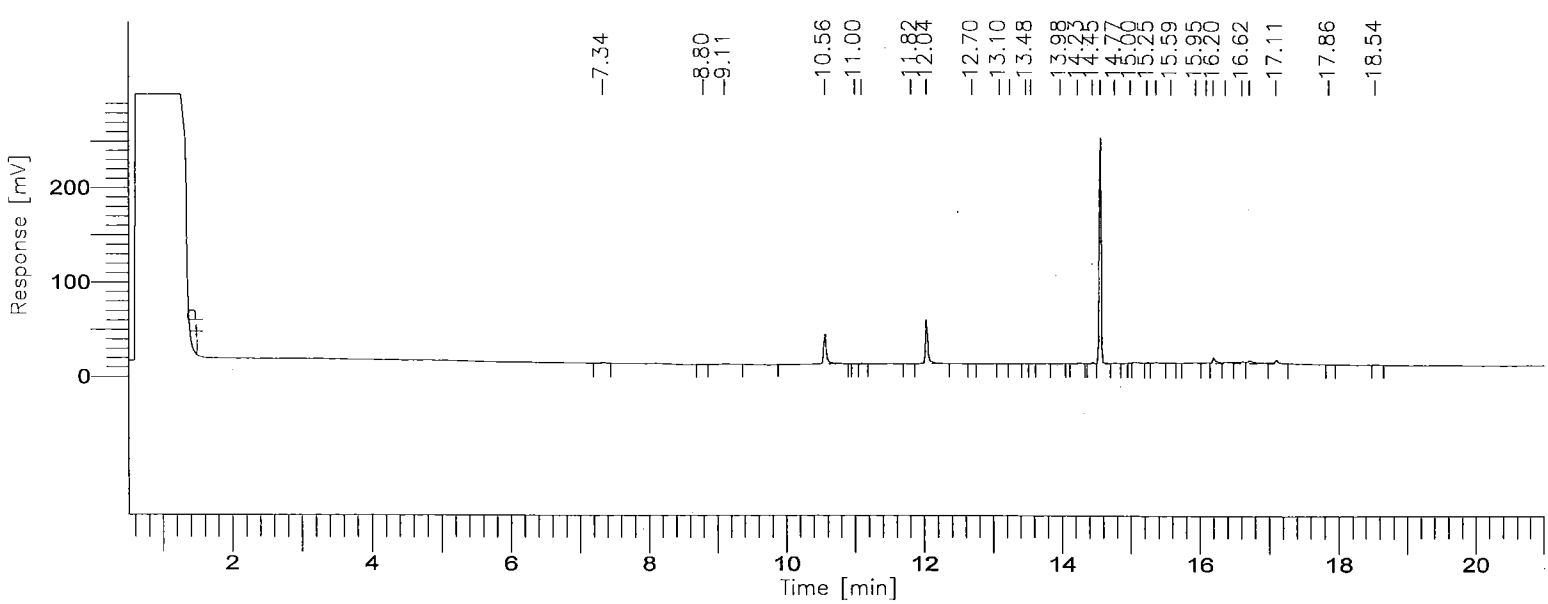
Raw Data File : C:\TC4\DATA_01\O05_037A.RAW
Result File : C:\TC4\DATA_01\O05_037A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O05_037A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O05A.SEQ

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



001565

BOE-C6-0157128

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
3.45	C8-C9	0	0.000	------	1.0	
5.77	C10-C11	0	0.000	------	1.0	
7.31	C12-C13	3682	0.086	------	1.0	
8.59	C14-C15	11201	0.232	------	1.0	
9.69	C16-C17	0	0.000	------	1.0	
10.72	C18-C19	106821	2.224	------	1.0	
12.02	C20-C23	113816	1.310	------	1.0	
13.53	C24-C27	8095	0.096	------	1.0	
14.82	C28-C31	489090	5.696	------	1.0	
15.90	C32-C35	45060	0.523	------	1.0	
16.99	C36-C39	56770	0.663	------	1.0	
19.29	C40+	4053	0.098	------	1.0	
		838586	10.928			

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/L	FN
7.34		3682	0.001	------	1.0	
		3682	0.001			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
.80		1565	0.000	------	1.0	
9.11		9636	0.002	------	1.0	
		11201	0.003			

Group Report For : C16-C17

No peaks available to report

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
10.56		103744	0.026	------	1.0	
11.00		822	0.000	------	1.0	
11.10		2255	0.001	------	1.0	
		106821	0.027			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
11.82		534	0.000	------	1.0	
12.04		112415	0.028	------	1.0	
12.70		867	0.000	------	1.0	
		113816	0.028			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
13.10		650	0.000	------	1.0	
.25		1605	0.000	------	1.0	
13.48		714	0.000	------	1.0	
13.55		1174	0.000	------	1.0	
13.98		1196	0.000	------	1.0	
14.23		2758	0.001	------	1.0	

8095	0.002	

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
14.45		2757	0.001	------	1.0	
14.56		476757	0.119	------	1.0	
14.77		924	0.000	------	1.0	
15.00		1792	0.000	------	1.0	
15.25		3000	0.001	------	1.0	
15.37		3860	0.001	------	1.0	
		489090	0.122			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
15.59		1052	0.000	------	1.0	
[illegible].95		6369	0.002	------	1.0	
[illegible].11		4560	0.001	------	1.0	
16.20		21275	0.005	------	1.0	
16.37		11804	0.003	------	1.0	
		45060	0.011			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
16.62		15742	0.004	------	1.0	
16.73		25807	0.006	------	1.0	
17.11		15220	0.004	------	1.0	
		56770	0.014			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
17.86		988	0.000	------	1.0	
18.54		3065	0.001	------	1.0	

4053 0.001

Missing Component Report

Component	Expected Retention (Calibration File)
All components were found	

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O05_037A.TX0

Software Version: 4.1<2F12>
Sample Name : 285-24 Time : 10/6/00 07:08 AM
Sample Number: DL2GW10M Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/6/00 02:48 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

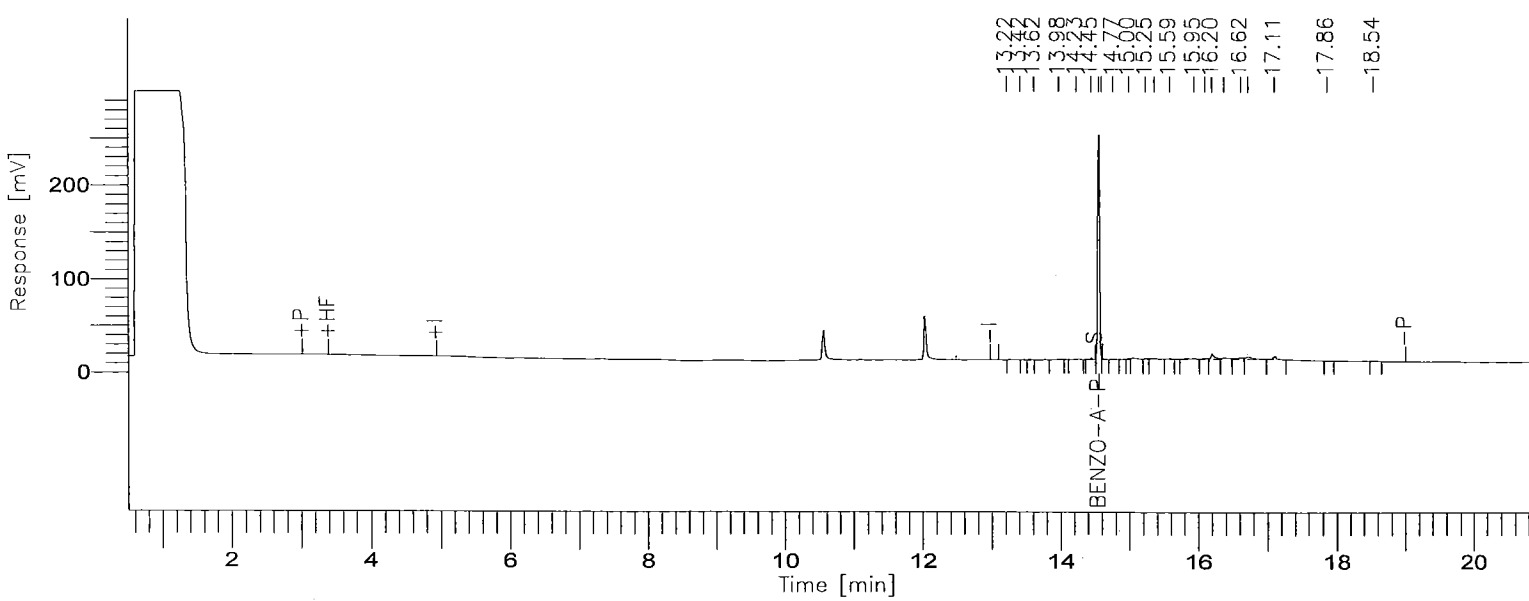
Raw Data File : C:\TC4\DATA_01\O05_037.RAW
Result File : C:\TC4\DATA_01\O05_037.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O05_037.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_01\O05.SEQ

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



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.03	DIESEL C10-C24	0	0.000	------	10.0	
14.56	BENZO-A-PYRENE	474686	11.245	90.0	10.0	
		474686	11.245			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O05_037.TX0

Lot/Sample: E0I260285-025 C-2-1-5 TICs.....: N Report Results: Y
WO#.....: DL3GX-1-0M 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: 10/06/00
Inject Time..: 3:18 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O05_038A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....: 9/26/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/06 12:06:15
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 9/27/00
QC Batch.....: 0271551
MS Run Number: 0271279
Prep Time....: 14:00-18:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1562-1SCS/250PPM/1ML

Total Solids.: .00

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

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	10.601	84.808		

Software Version: 4.1<2F12>
Sample Name : 285-25 Time : 10/6/00 10:20 AM
Sample Number: DL3GX10M Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/6/00 03:18 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

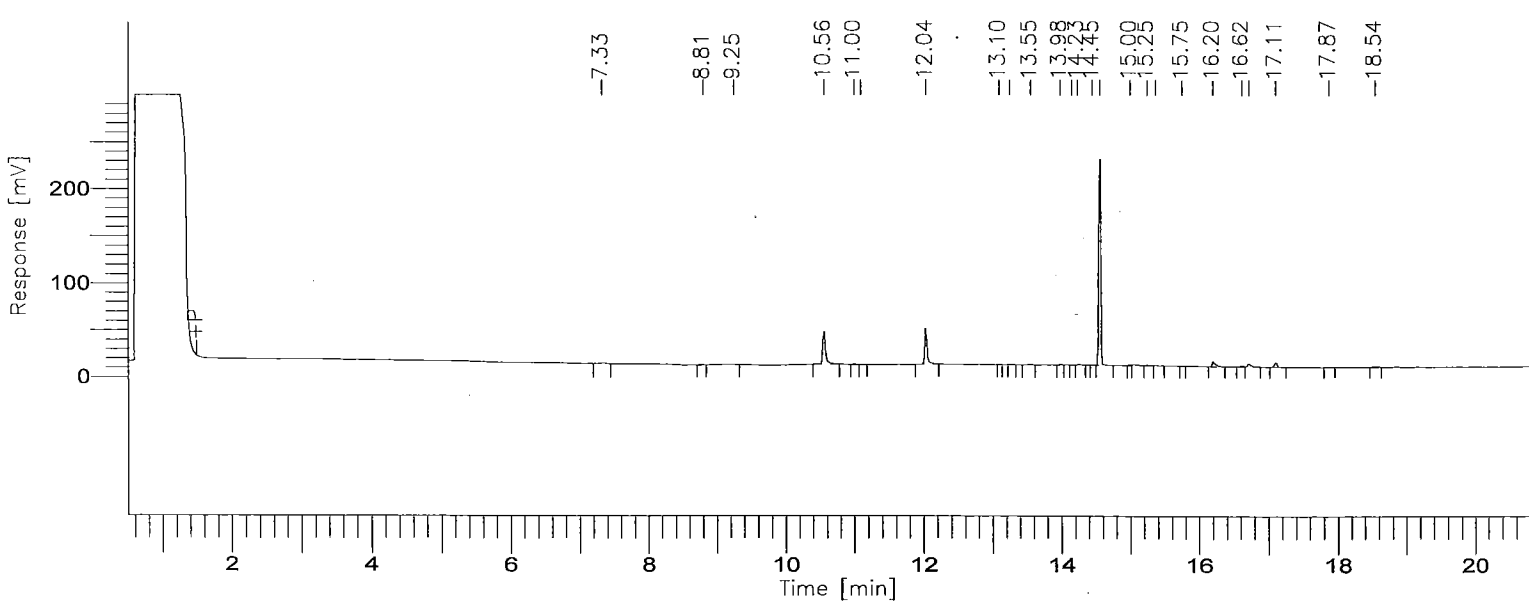
Raw Data File : C:\TC4\DATA_01\O05_038A.RAW
Result File : C:\TC4\DATA_01\O05_038A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O05_038A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O05A.SEQ

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

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

Instrument Conditions:

Total number of peaks detected: 25



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
3.45	C8-C9	0	0.000	------	1.0	
5.77	C10-C11	0	0.000	------	1.0	
7.31	C12-C13	4692	0.109	------	1.0	
8.59	C14-C15	1053	0.022	------	1.0	
9.69	C16-C17	6958	0.161	------	1.0	
10.72	C18-C19	98680	2.054	------	1.0	
12.02	C20-C23	85618	0.986	------	1.0	
13.53	C24-C27	7718	0.092	------	1.0	
14.82	C28-C31	457390	5.326	------	1.0	
15.90	C32-C35	17288	0.201	------	1.0	
16.99	C36-C39	26591	0.310	------	1.0	
19.29	C40+	3728	0.090	------	1.0	
		709716	9.352			

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/L	FN
7.33		4692	0.001	------	1.0	
		4692	0.001			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
[illegible].81		1053	0.000	------	1.0	
		1053	0.000			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
9.25		6958	0.002	------	1.0	
		6958	0.002			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
10.56		96218	0.024	------	1.0	
[illegible].00		1560	0.000	------	1.0	
[illegible].10		902	0.000	------	1.0	
		98680	0.025			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
12.04		85618	0.021	------	1.0	
		85618	0.021			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
13.10		305	7.625e-05	------	1.0	
[illegible].25		1225	0.000	------	1.0	
[illegible]3.55		2041	0.001	------	1.0	
13.98		969	0.000	------	1.0	
14.15		439	0.000	------	1.0	
14.23		2739	0.001	------	1.0	

	7718	0.002

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
14.45		2457	0.001	------	1.0	
14.56		449472	0.112	------	1.0	
15.00		1738	0.000	------	1.0	
15.25		2123	0.001	------	1.0	
15.37		1600	0.000	------	1.0	
		457390	0.114			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
15.75		890	0.000	------	1.0	
16.20		16398	0.004	------	1.0	
		17288	0.004			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
16.62		2938	0.001	------	1.0	
16.72		11140	0.003	------	1.0	
17.11		12512	0.003	------	1.0	
		26591	0.007			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
17.87		1302	0.000	------	1.0	
[illegible].54		2425	0.001	------	1.0	
		3728	0.001			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O05_038A.TX0

Software Version: 4.1<2F12>
Sample Name : 285-25 Time : 10/6/00 07:08 AM
Sample Number: DL3GX10M Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/6/00 03:18 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

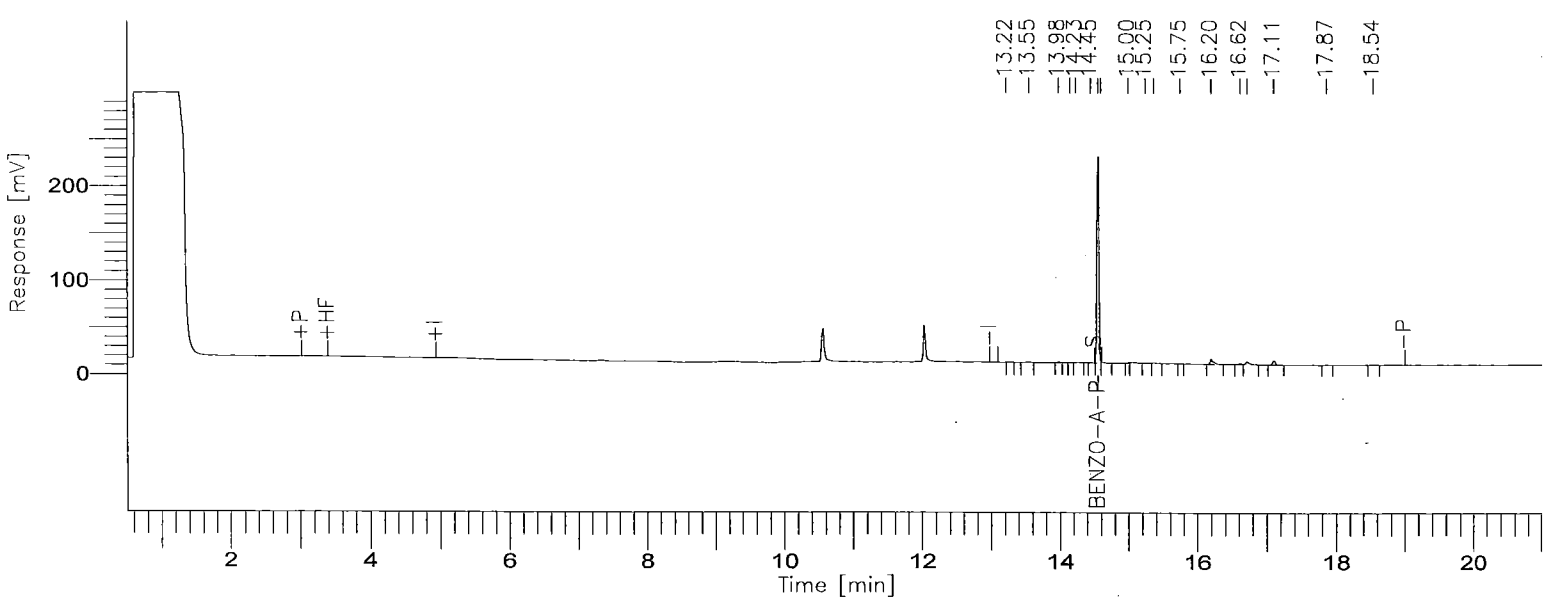
Raw Data File : C:\TC4\DATA_01\O05_038.RAW
Result File : C:\TC4\DATA_01\O05_038.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O05_038.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_01\O05.SEQ

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

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

Instrument Conditions:

Total number of peaks detected: 18



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.03	DIESEL C10-C24	0	0.000	------	10.0	
14.56	BENZO-A-PYRENE	447467	10.601	84.8	10.0	
		447467	10.601			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O05_038.TX0

TEPH

SAMPLE AND QC DATA

Date(s) Analyzed: 10-6-00

Instrument ID: GC1 GC2 GC3

Lab #: EOI 260285

Batch #: 0271551

Samples: 9 (overrun)

ICAL 10-3

Lot/Sample: E0I260285-009 C-66-4-5 TICs.....: N Report Results: Y
WO#.....: DL3G9-1-0M 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: 10/06/00
Inject Time..: 12:19 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 5.00 Instr File: 005_056A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....: 9/25/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:CHEMIST 0/10/06 14:47:34
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 9/27/00
QC Batch.....: 0271551
MS Run Number: 0271279
Prep Time....: 14:00-18:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1562-1SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05120	C8-C9			ND	50			
05121	C10-C11			ND	50			
05122	C12-C13			ND	50			
05123	C14-C15			ND	50			
05124	C16-C17			ND	50			
05125	C18-C19			16.115	50		J	J
05132	C40+			12.095	50		J	J
05136	Total Carbon Chain Rang			291.469	50			
05201	C20-C23			58.571	50			
05202	C24-C27			66.643	50			
05203	C28-C31			20.733	50		J	J
05204	C32-C35			82.058	50			
05205	C36-C39			33.960	50		J	J

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		62.5	26.424	42.2784	*	*

Notes:
J Estimated result. Result is less than RL.

(Continued on next page)

Lot/Sample: E0I260285-009 C-66-4-5 TICs.....: N Report Results: Y
WO#.....: DL3G9-1-0M 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:

* Surrogate recovery is outside stated control limits.

MATRIX INTERFERENCE WITH BAP.

Software Version: 4.1<2F12>
Sample Name : 285-09 5X Time : 10/6/00 01:32 PM
Sample Number: DL3G910M Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/6/00 12:19 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

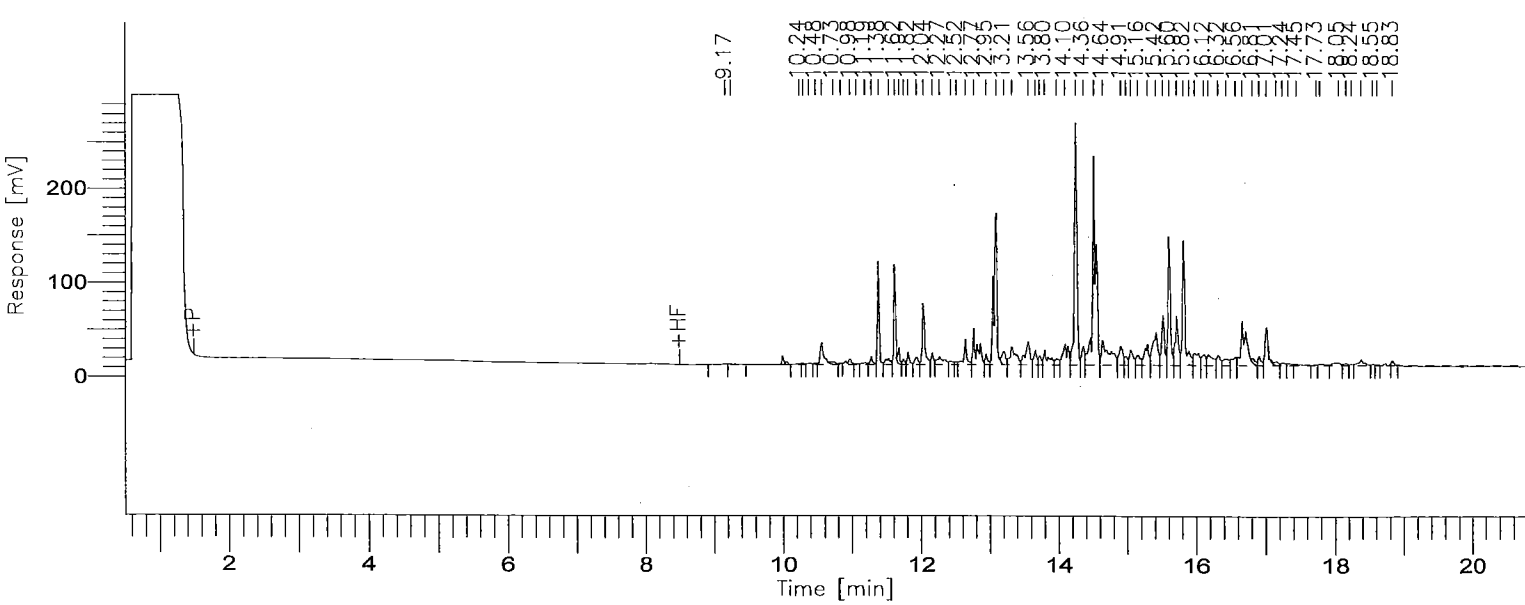
Raw Data File : C:\TC4\DATA_01\O05_056A.RAW
Result File : C:\TC4\DATA_01\O05_056A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O05_056A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\O05_056A.R
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\O05_056A.R
Sequence File : C:\TC4\DATA_01\O05.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 5.00

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: 75



001583

BOE-C6-0157146

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	0	0.000	------	50.0	
5.77	C10-C11	0	0.000	------	50.0	
7.31	C12-C13	0	0.000	------	50.0	
8.59	C14-C15	0	0.000	------	50.0	
9.69	C16-C17	11212	1.295	------	50.0	
10.72	C18-C19	154822	16.115	------	50.0	
12.02	C20-C23	1017387	58.571	------	50.0	
13.53	C24-C27	1119038	66.643	------	50.0	
14.82	C28-C31	2003490	116.656	------	50.0	
15.90	C32-C35	1413200	82.058	------	50.0	
16.99	C36-C39	581897	33.960	------	50.0	
19.29	C40+	99899	12.095	------	50.0	
		6400945	387.392			

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

No peaks available to report

Group Report For : C14-C15

No peaks available to report

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.17		5875	0.007	------	50.0	
9.25		5337	0.007	------	50.0	
		11212	0.014			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.24		4941	0.006	------	50.0	
10.29		3836	0.005	------	50.0	
10.38		5569	0.007	------	50.0	
10.48		4122	0.005	------	50.0	
10.56		81570	0.102	------	50.0	
[illegible].73		14439	0.018	------	50.0	
10.84		4559	0.006	------	50.0	
10.98		22973	0.029	------	50.0	
11.07		4127	0.005	------	50.0	
11.19		8686	0.011	------	50.0	
		154822	0.194			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.28		19601	0.025	------	50.0	
11.38		171610	0.215	------	50.0	
11.53		29530	0.037	------	50.0	
11.62		190449	0.238	------	50.0	
11.68		31252	0.039	------	50.0	
11.75		12168	0.015	------	50.0	
11.82		28506	0.036	------	50.0	
11.94		26754	0.033	------	50.0	
[illegible].04		170230	0.213	------	50.0	
12.17		26965	0.034	------	50.0	
12.27		55437	0.069	------	50.0	
12.43		14174	0.018	------	50.0	
12.52		7655	0.010	------	50.0	
12.65		74483	0.093	------	50.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.77		158573	0.198	------	50.0	
		1017387	1.272			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.95		27323	0.034	------	50.0	
13.09		510975	0.639	------	50.0	
13.20		54691	0.068	------	50.0	
13.32		117095	0.146	------	50.0	
13.56		118014	0.148	------	50.0	
13.66		45896	0.057	------	50.0	
13.73		26968	0.034	------	50.0	
13.80		71312	0.089	------	50.0	
13.97		27224	0.034	------	50.0	
14.09		119540	0.149	------	50.0	
		1119038	1.399			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.25		674946	0.844	------	50.0	
14.36		58202	0.073	------	50.0	
14.52		749085	0.936	------	50.0	
14.64		205243	0.257	------	50.0	
14.91		80966	0.101	------	50.0	
14.98		30147	0.038	------	50.0	
15.05		62423	0.078	------	50.0	
15.16		48364	0.060	------	50.0	
15.30		94114	0.118	------	50.0	
		2003490	2.504			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.42		174808	0.219	------	50.0	
15.52		156808	0.196	------	50.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.60		333514	0.417	------	50.0	
15.72		166232	0.208	------	50.0	
15.82		297272	0.372	------	50.0	
15.90		53232	0.067	------	50.0	
15.98		77156	0.096	------	50.0	
16.12		48405	0.061	------	50.0	
16.18		68048	0.085	------	50.0	
16.32		37725	0.047	------	50.0	
		1413200	1.766			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.43		42846	0.054	------	50.0	
16.56		43851	0.055	------	50.0	
16.67		262899	0.329	------	50.0	
16.81		21223	0.027	------	50.0	
[illegible].91		30219	0.038	------	50.0	
17.01		125148	0.156	------	50.0	
17.15		20661	0.026	------	50.0	
17.24		12719	0.016	------	50.0	
17.33		9818	0.012	------	50.0	
17.44		12513	0.016	------	50.0	
		581897	0.727			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.73		3551	0.004	------	50.0	
17.79		11181	0.014	------	50.0	
18.05		22013	0.028	------	50.0	
18.16		7660	0.010	------	50.0	
18.24		4159	0.005	------	50.0	
18.38		33731	0.042	------	50.0	
18.55		3144	0.004	------	50.0	
[illegible].62		1855	0.002	------	50.0	
18.83		12605	0.016	------	50.0	
		99899	0.125			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\005_056A.TX0

Software Version: 4.1<2F12>
Sample Name : 285-09 5X Time : 10/6/00 02:15 PM
Sample Number: DL3G910M Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/6/00 12:19 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

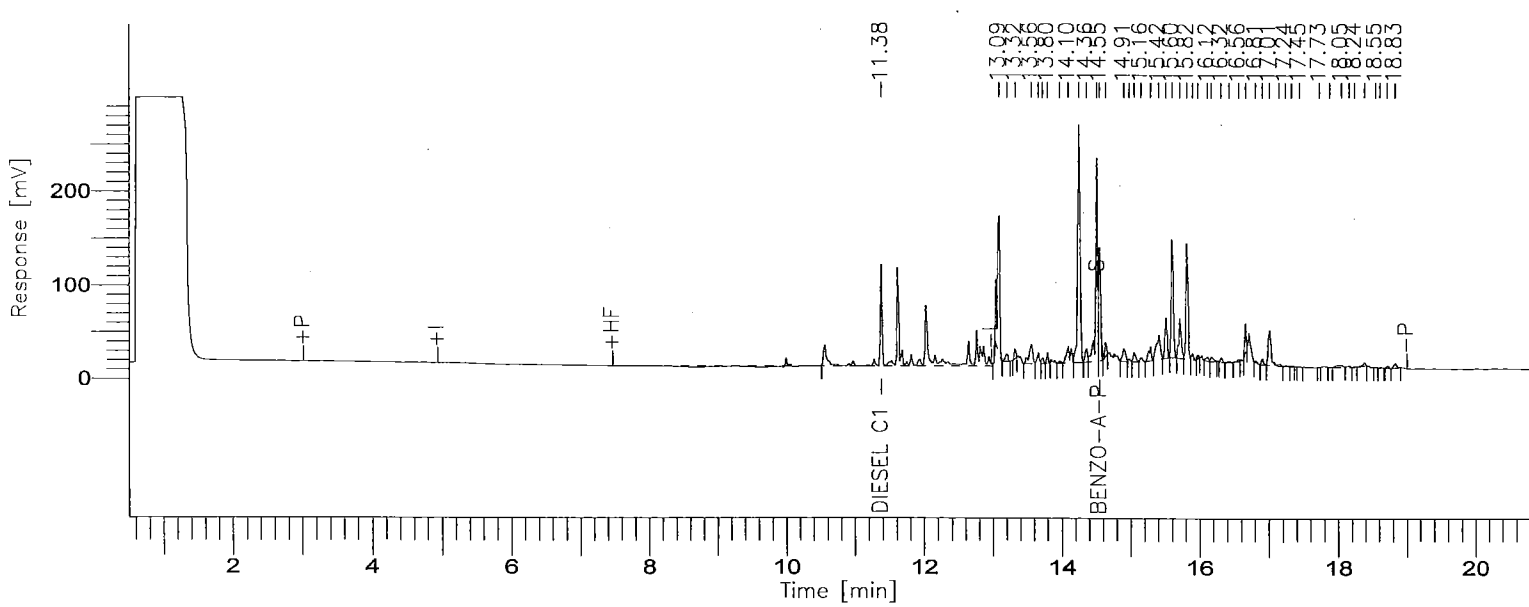
Raw Data File : C:\TC4\DATA_01\O05_056.RAW
Result File : C:\TC4\DATA_01\O05_056.rst
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O05_056.r
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O05_056.r
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O05_056.r
Sequence File : C:\TC4\DATA_01\O05.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 5.00

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: 50



001589

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.38	DIESEL C10-C24	1028635	173.946	------	50.0	
14.55	BENZO-A-PYRENE	223074	26.424	211.4	50.0	
		1251709	200.369			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\005_056.TX0

TEPH

SAMPLE AND QC DATA

$C_8 \rightarrow C_{40}$

Date(s) Analyzed: 10-4-00

Instrument ID: GC1 GC2 GC3

Lab #: EUI260285

Batch #: 0271552

Samples: 27S, 27D, 28, 29, 30, 31, 32, 33, 34, 35

ICAL 10-3

Batch Number: 0271552

Lab ID: E0I260285 027 Workorder: DL3H310M Dilution Factor: 1
Analyte: Diesel Range Organics (C10-C24) No Matching Blank Analyte Found

Lab ID: E0I260285 028 Workorder: DL3H410M Dilution Factor: 1
No Anomalies Found on Workorder

Lab ID: E0I260285 029 Workorder: DL3H510M Dilution Factor: 1
No Anomalies Found on Workorder

Lab ID: E0I260285 030 Workorder: DL3H610M Dilution Factor: 1
No Anomalies Found on Workorder

Lab ID: E0I260285 031 Workorder: DL3H710M Dilution Factor: 1
No Anomalies Found on Workorder

Lab ID: E0I260285 032 Workorder: DL3H810M Dilution Factor: 1
No Anomalies Found on Workorder

Lab ID: E0I260285 033 Workorder: DL3H910M Dilution Factor: 1
No Anomalies Found on Workorder

Lab ID: E0I260285 034 Workorder: DL3HD10M Dilution Factor: 1
No Anomalies Found on Workorder

Lab ID: E0I260285 035 Workorder: DL3HF10M Dilution Factor: 1
No Anomalies Found on Workorder

Lab ID: E0I260285 036 Workorder: DL3HG10M Dilution Factor: 1
No Anomalies Found on Workorder

Lab ID: E0I260285 037 Workorder: DL3HH10M Dilution Factor: 1
No Anomalies Found on Workorder

Lab ID: E0I260285 038 Workorder: DL3HJ10M Dilution Factor: 1
No Anomalies Found on Workorder

Lab ID: E0I260285 042 Workorder: DL3HR10M Dilution Factor: 1
No Anomalies Found on Workorder

Lab ID: E0I260285 043 Workorder: DL3HW10M Dilution Factor: 1
No Anomalies Found on Workorder

BOE-C6-0157155

Batch Number: 0271552

Lab ID: E0I260285 044 Workorder: DL3J110M Dilution Factor: 1
No Anomalies Found on Workorder

Lab ID: E0I260285 045 Workorder: DL3J210M Dilution Factor: 1
No Anomalies Found on Workorder

Lab ID: E0I260285 047 Workorder: DL3J410M Dilution Factor: 1
No Anomalies Found on Workorder

Lab ID: E0I260285 048 Workorder: DL3J510M Dilution Factor: 1
No Anomalies Found on Workorder

Lab ID: E0I260285 049 Workorder: DL3J610M Dilution Factor: 1
No Anomalies Found on Workorder

Lab ID: E0I260285 050 Workorder: DL3J710M Dilution Factor: 10
No Anomalies Found on Workorder

Lab ID: E0I260285 027 S Workorder: DL3H311U Dilution Factor: 1
Analyte: Diesel Range Organics (C10-C24) No Matching Blank Analyte Found
Analyte: Diesel Range Organics No Matching Blank Analyte Found
Analyte: Motor Oil Range Organics (C25-C36) No Matching Blank Analyte Found
Analyte: TPH (as Motor Oil) No Matching Blank Analyte Found

Lab ID: E0I260285 027 D Workorder: DL3H311V Dilution Factor: 1
Analyte: Diesel Range Organics (C10-C24) No Matching Blank Analyte Found
Analyte: Diesel Range Organics No Matching Blank Analyte Found
Analyte: Motor Oil Range Organics (C25-C36) No Matching Blank Analyte Found
Analyte: TPH (as Motor Oil) No Matching Blank Analyte Found

< < < End of Report > > >

BOE-C6-0157156

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 9/27/00
Time: 19:06:41

BOE-C6-0157157

QC BATCH: 0271552

PREP DATE: 9/27/00
COMP DATE: 9/27/00

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
10/09/00	10/03/00	E0I260285-045 **DL3J2-1-0M**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1MI
COMMENTS:															
10/09/00	10/03/00	E0I260285-047 **DL3J4-1-0M**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1MI
COMMENTS:															
10/09/00	10/03/00	E0I260285-048 **DL3J5-1-0M**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1MI
COMMENTS:															
10/09/00	10/03/00	E0I260285-049 **DL3J6-1-0M**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1MI
COMMENTS:															
10/09/00	10/03/00	E0I260285-050 **DL3J7-1-0M**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1MI
COMMENTS:															
10/10/00	0/00/00	E0I270000-552 **DL60H-1-01B**		0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1MI
COMMENTS:															
10/10/00	0/00/00	E0I270000-552 **DL60H-1-02C**		0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1561-1DCS/5000PPM/1I TEPH1562-1SCS/250PPM/1MI
COMMENTS:															

SPKD BY: CA MECL2 LOT#T08286 NA2SO4 LOT#8024
EXT METHOD: SOLID/SOLVENT EXTRACTION (AUTO SHAKER).
RELINQUISHED BY/DATE: CA/9-28-00 RECEIVED BY/DATE: 9-28-00

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

NUMBER OF WORK ORDERS IN BATCH: 24

001594

10/3

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 9/27/00
Time: 19:06:41

BOE-C6-0157158

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

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

Extractionist: 355979 Cornelia Apahidean

Concentrationist: 355979 Cornelia Apahidean

Reviewer/Date: GOMEZF / 9/27/00

****
* QC BATCH: 0271552 *
****

PREP DATE: 9/27/00
COMP DATE: 9/27/00

001595

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	PH"S INIT	PH"S ADJ1	PH"S ADJ2	SOLVENTS EXTRACTION	SOLVENTS VOL	SOLVENTS EXCHANGE	SOLVENTS VOL	SPIKE STANDARD/ SURROGATE ID
10/10/00	10/03/00	E0I260285-034 DL3HD-1-0M	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/10/00	10/03/00	E0I260285-035 DL3HF-1-0M	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/10/00	10/03/00	E0I260285-036 DL3HG-1-0M	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1MI
COMMENTS:															
10/10/00	10/03/00	E0I260285-037 DL3HH-1-0M	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1MI
COMMENTS:															
10/10/00	10/03/00	E0I260285-038 DL3HJ-1-0M	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1MI
COMMENTS:															
10/09/00	10/03/00	E0I260285-042 DL3HR-1-0M	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1MI
COMMENTS:															
10/09/00	10/03/00	E0I260285-043 DL3HW-1-0M	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1MI
COMMENTS:															

C-chain

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 9/27/00
Time: 19:06:41

QC BATCH: 0271552

PREP DATE: 9/27/00
COMP DATE: 9/27/00

001596

BOE-C6-0157159

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
10/10/00	10/03/00	E0I260285-027 DL3H3-1-0M	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/10/00	10/03/00	E0I260285-027 DL3H3-1-1US	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1561-1DCS/5000PPM/1M TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/10/00	10/03/00	E0I260285-027 DL3H3-1-1VD	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1561-1DCS/5000PPM/1M TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/10/00	10/03/00	E0I260285-028 DL3H4-1-0M	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/10/00	10/03/00	E0I260285-029 DL3H5-1-0M	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/10/00	10/03/00	E0I260285-030 DL3H6-1-0M	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/10/00	10/03/00	E0I260285-031 DL3H7-1-0M	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/10/00	10/03/00	E0I260285-032 DL3H8-1-0M	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/10/00	10/03/00	E0I260285-033 DL3H9-1-0M	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/09/00	10/03/00	E0I260285-044 DL3J1-1-0M	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															

Turbochrom Sequence File : C:\TC4\DATA_01\003.SEQ
Created by : doug on : 10/3/00 07:49 AM
Edited by : EC on : 10/5/00 10:35 AM
Description :

Number of Times Edited : 26

Sequence File Header Information: FJK 10/6/00

Number of Rows : 87
Instrument Type : 760 / 900 Series Intelligent Interface
Injection Type : SINGLE

Sequence Sample Descriptions - Channel A

Row	Type	Sample Name	Sample Number	Study Name	Sample Amount	ISTD Amount	Sample Volume	Dil. Factor	Mult	Divisor	Addend	Norm. factor
1	Sample	MECL2	MECL2	ICAL 9/21/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
2	Sample	DAILY RT MAKER	C8-C40	ICAL 9/21/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
3	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
4	Std Check	#TEPH00-167 RT	30 PPM	ICAL9/21/0	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
5	Sample	285-09		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
6	Sample	285-12		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
7	Sample	285-17 2x	not used	ICAL8/28/0	1.000	1.000	1.000	2.000	5.000	20.000	0.000	100.000
8	Sample	285-29		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
9	Sample	285-30		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
10	Sample	285-31	rerun	ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
11	Sample	285-32		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
12	Sample	285-33		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
13	Sample	MECL2	recalibrate	ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
14	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
15	Std Check	#TEPH00-167 RT	30 PPM	ICAL9/21/0	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
16	Sample	MECL2	MECL2	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
[illegible]	Sample	MECL2	MECL2	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
[illegible]	Sample	DAILY RT MARKER	C8-C40	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
19	Cal:Replace	#TEPH00-165 RT	10 PPM	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
20	Cal:Replace	#TEPH00-166 RT	20 PPM	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
21	Cal:Replace	#TEPH00 167 RT	30 PPM good	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
22	Cal:Replace	#TEPH00-168 RT	40 PPM	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
23	Cal:Replace	#TEPH00-169 RT	50 PPM	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
24	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
25	Sample	285-08	DL3G810M	ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
26	Sample	285-09	DL3G910M	ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
27	Sample	285-11	DL3GC10M	ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
28	Sample	285-12	DL3GD10M	ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
29	Sample	285-13	DL3GE10M	ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
30	Sample	285-14	DL3GF10M	ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
31	Sample	285-17 2x	DL3GK10M	ICAL8/28/0	1.000	1.000	1.000	2.000	5.000	20.000	0.000	100.000
32	Sample	285-16	DL3GJ10M	ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
33	Sample	285-19	DL3GM10M	ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
34	Sample	285-20	DL3GN10M	ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
35	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
36	Std Check	#TEPH00-167 RT	30 PPM	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
37	Sample	285-21	DL3GP10M	ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
38	Sample	285-22	DL3GR10M	ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
39	Sample	285-24	DL3GW10M	ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
40	Sample	285-25	DL3GX10M	ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
41	Sample	MECL2	MECL2	ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
42	Sample	285-MB	DL60H101B	ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
43	Sample	285-LCS	DL60H102C	ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
44	Sample	285-27	DL3H310M	ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
45	Sample	285-27 MS	rerun DL3H311US	ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
46	Sample	285-27 MSD	DL3H311VD	ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
47	Std Check	MECL2	TEST	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
48	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
49	Std Check	#TEPH00-167 RT	30 PPM	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
50	Sample	285-27 MS	DL3H311US	ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
51	Sample	285-27 MSD	DL3H311VD	ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
52	Sample	285-28	DL3H410M	ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
53	Sample	285-29	DL3H510M	ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
54	Sample	285-30	DL3H610M	ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
55	Sample	285-31	DL3H710M	ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
56	Sample	285-32	DL3H810M	ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
57	Sample	285-33	DL3H910M	ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
58	Sample	285-34	DL3HD10M	ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
59	Sample	285-35	DL3HF10M	ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
60	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000

OK

61	Std Check	#TEPH00-167 RT	30 PPM	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
62	Sample	285-36	DL3HG10M	ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
63	Sample	285-37	DL3HH10M	ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
64	Sample	285-38	DL3HJ10M	ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
65	Sample	285-42	DL3HR10M	ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
66	Sample	285-43	DL3HW10M	ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
67	Sample	285-44	DL3J110M	ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
	Sample	285-45	DL3J210M	ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
	Sample	285-47	DL3J410M	ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
70	Sample	285-48	DL3J510M	ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
71	Sample	285-49	DL3J610M	ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
72	Sample	285-50 5x	DL3J710M	ICAL8/28/0	1.000	1.000	1.000	5.000	5.000	20.000	0.000	100.000
73	Std Check	MECL2	MECL2	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
74	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
75	Std Check	#TEPH00-167 RT	30 PPM	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
76	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
77	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
78	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
79	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
80	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
81	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
82	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
83	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
84	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
85	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
86	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
87	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000

Turbochrom Sequence File : C:\TC4\DATA_01\O03.SEQ
Created by : doug on : 10/3/00 07:49 AM
Edited by : EC on : 10/4/00 11:53 AM
Description :

Number of Times Edited : 18

Sequence File Header Information:

Number of Rows : 87
Instrument Type : 760 / 900 Series Intelligent Interface
Injection Type : SINGLE

Sequence Sample Descriptions - Channel A

Row	Type	Sample Name	Sample Number	Study Name	Sample Amount	ISTD Amount	Sample Volume	Dil. Factor	Mult	Divisor	Addend	Norm. factor
1	Sample	MECL2	MECL2	ICAL 9/21/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
2	Sample	DAILY RT MAKER	C8-C40	ICAL 9/21/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
3	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
4	Std Check	#TEPH00-167 RT	30 PPM	ICAL9/21/0	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
5	Sample	285-09		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
6	Sample	285-12		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
7	Sample	285-17 2x		ICAL8/28/0	1.000	1.000	1.000	2.000	5.000	20.000	0.000	100.000
8	Sample	285-29		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
9	Sample	285-30		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
10	Sample	285-31		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
11	Sample	285-32		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
12	Sample	285-33		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
13	Sample	MECL2		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
14	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
15	Std Check	#TEPH00-167 RT	30 PPM	ICAL9/21/0	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
16	Sample	MECL2	MECL2	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
	Sample	MECL2	MECL2	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
	Sample	DAILY RT MARKER	C8-C40	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
19	Cal:Replace	#TEPH00-165 RT	10 PPM	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
20	Cal:Replace	#TEPH00-166 RT	20 PPM	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
21	Cal:Replace	#TEPH00 167 RT	30 PPM	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
22	Cal:Replace	#TEPH00-168 RT	40 PPM	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
23	Cal:Replace	#TEPH00-169 RT	50 PPM	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
24	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
25	Sample	285-08		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
26	Sample	285-09		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
27	Sample	285-11		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
28	Sample	285-12		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
29	Sample	285-13		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
30	Sample	285-14		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
31	Sample	285-17 2x		ICAL8/28/0	1.000	1.000	1.000	2.000	5.000	20.000	0.000	100.000
32	Sample	285-16		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
33	Sample	285-19		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
34	Sample	285-20		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
35	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
36	Std Check	#TEPH00-167 RT	30 PPM	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
37	Sample	285-21		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
38	Sample	285-22		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
39	Sample	285-24		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
40	Sample	285-25		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
41	Sample	MECL2	MECL2	ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
42	Sample	285-MB		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
43	Sample	285-LCS		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
44	Sample	285-27		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
45	Sample	285-27 MS		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
46	Sample	285-27 MSD		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
47	Std Check	MECL2	TEST	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
48	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
49	Std Check	#TEPH00-167 RT	30 PPM	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
50	Sample	285-27 MS		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
51	Sample	285-27 MSD		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
2	Sample	285-28		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
3	Sample	285-29		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
54	Sample	285-30		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
55	Sample	285-31		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
56	Sample	285-32		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
57	Sample	285-33		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
58	Sample	285-34		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
59	Sample	285-35		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
60	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000

61	Std Check	#TEPH00-167 RT	30 PPM	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
62	Sample	285-36		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
63	Sample	285-37		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
64	Sample	285-38		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
65	Sample	285-42		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
66	Sample	285-43		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
67	Sample	285-44		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
	Sample	285-45		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
	Sample	285-47		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
70	Sample	285-48		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
71	Sample	285-49		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
72	Sample	285-50 5x		ICAL8/28/0	1.000	1.000	1.000	5.000	5.000	20.000	0.000	100.000
73	Std Check	MECL2	MECL2	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
74	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
75	Std Check	#TEPH00-167 RT	30 PPM	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
76	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
77	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
78	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
79	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
80	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
81	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
82	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
83	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
84	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
85	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
86	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
87	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000

Software Version: 4.1<2F12>
Sample Name : #TEPH00-171 DIESEL STD Time : 10/4/00 01:07 PM
Sample Number: 1000 PPM Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/4/00 12:42 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

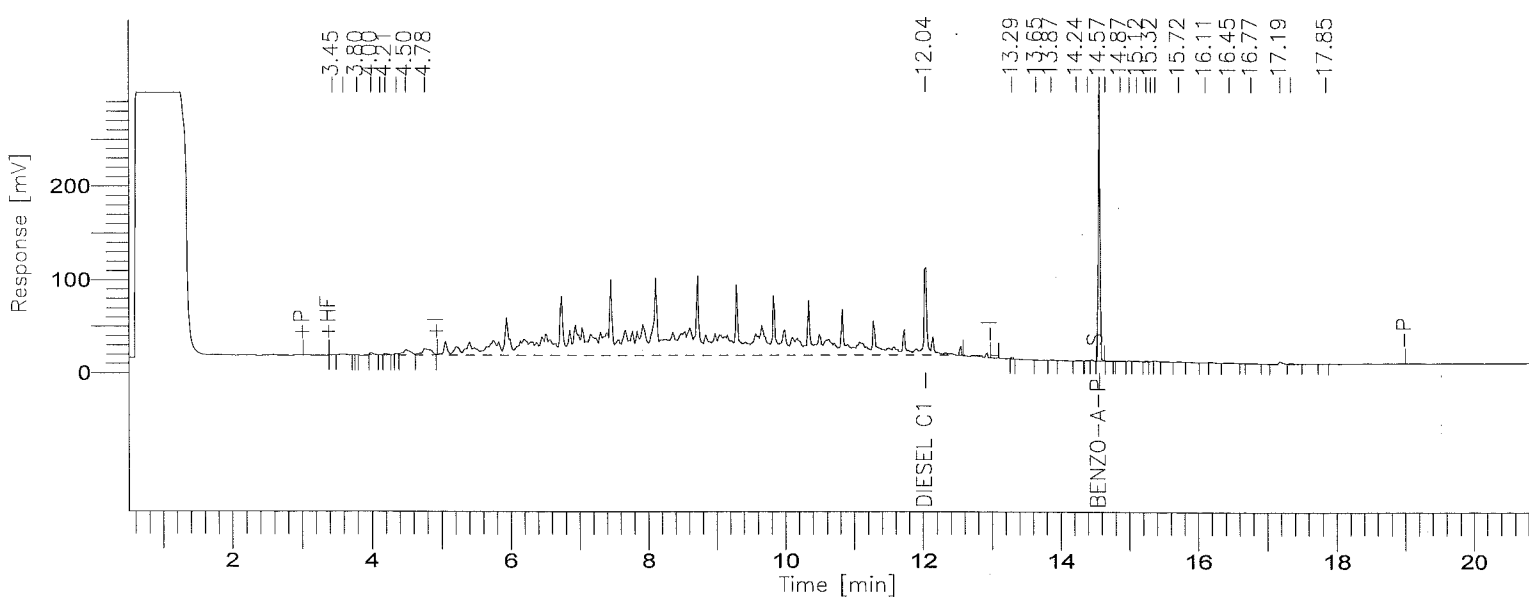
Raw Data File : C:\TC4\DATA_01\O03_048.RAW
Result File : C:\TC4\DATA_01\O03_048.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O03_048.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O03_048.R
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O03_048.R
Sequence File : C:\TC4\DATA_01\O03.SEQ

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

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

Instrument Conditions:

Total number of peaks detected: 30



001601

BOE-C6-0157164

8015B(TEPH)

GC01/FID: RTX-1

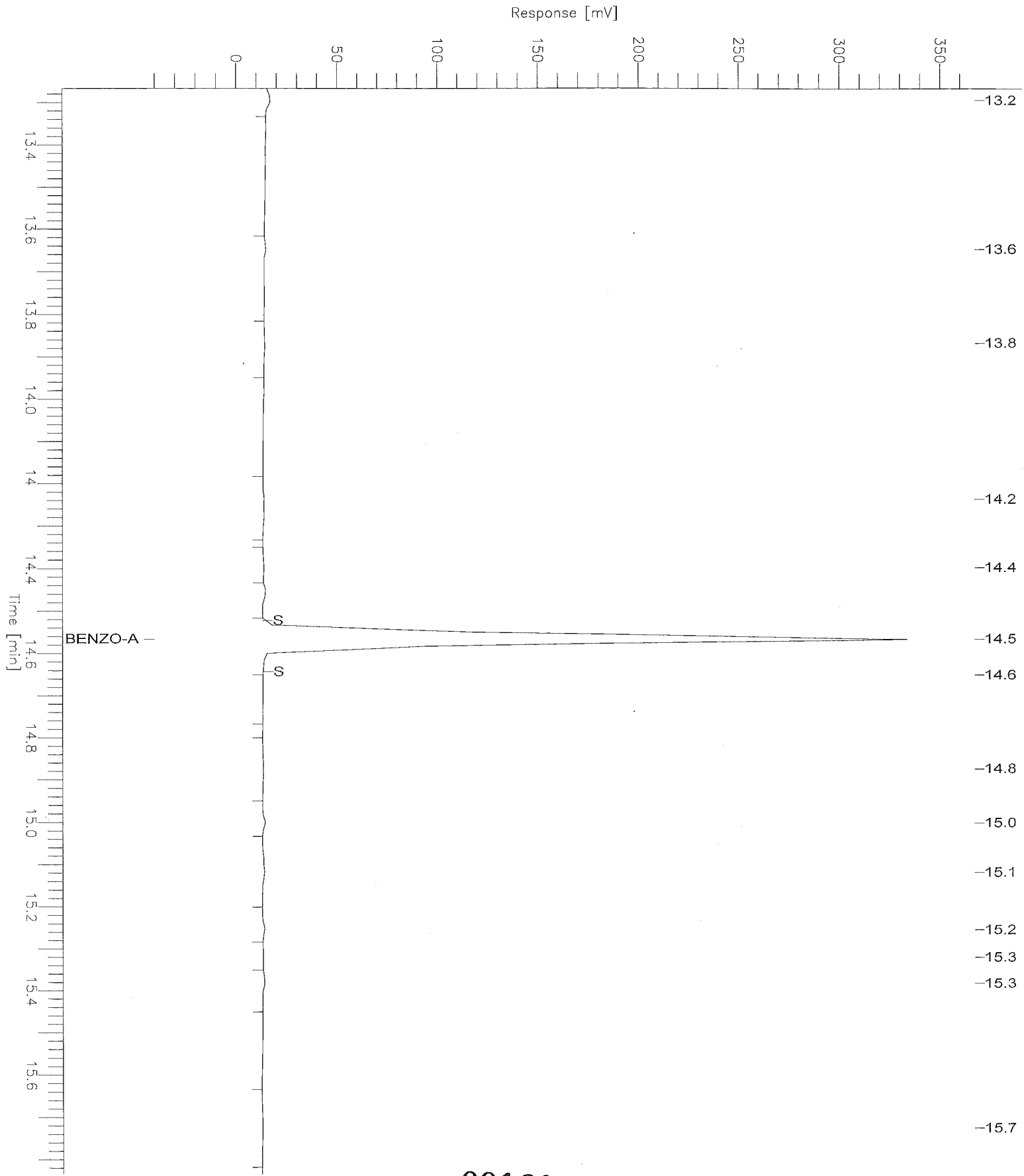
Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
3.450		676	0.0007	------	----------
3.605		8599	0.0086	------	----------
3.800		868	0.0009	------	----------
4.001		8878	0.0089	------	----------
4.130		1358	0.0014	------	----------
4.206		8036	0.0080	------	----------
4.368		6259	0.0063	------	----------
4.502		43088	0.0431	------	----------
4.775		63337	0.0633	------	----------
12.042	DIESEL C10-C24	7021526	949.8926	1000.0	-5.01
13.294		3320	0.0033	------	----------
13.648		1652	0.0017	------	----------
13.869		1519	0.0015	------	----------
14.237		2823	0.0028	------	----------
14.398		955	0.0010	------	----------
14.566	BENZO-A-PYRENE	512588	48.5737	50.0	-2.85
14.650		452	0.0005	------	----------
14.873		2048	0.0020	------	----------
15.000		2467	0.0025	------	----------
15.116		3524	0.0035	------	----------
15.252		2512	0.0025	------	----------
15.317		1762	0.0018	------	----------
15.379		2342	0.0023	------	----------
15.720		1690	0.0017	------	----------
16.109		842	0.0008	------	----------
16.453		3967	0.0040	------	----------
16.773		3038	0.0030	------	----------
17.189		10277	0.0103	------	----------
17.337		3930	0.0039	------	----------
17.850		498	0.0005	------	----------
		7724831	998.6570		

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\003_048.TX0

[redacted]

[redacted]



001603

BOE-C6-0157166

Software Version: 4.1<2F12>
Sample Name : #TEPH00-167 RT MARKER Time : 10/4/00 01:33 PM
Sample Number: 30 PPM Study : ICAL10/03/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/4/00 01:12 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

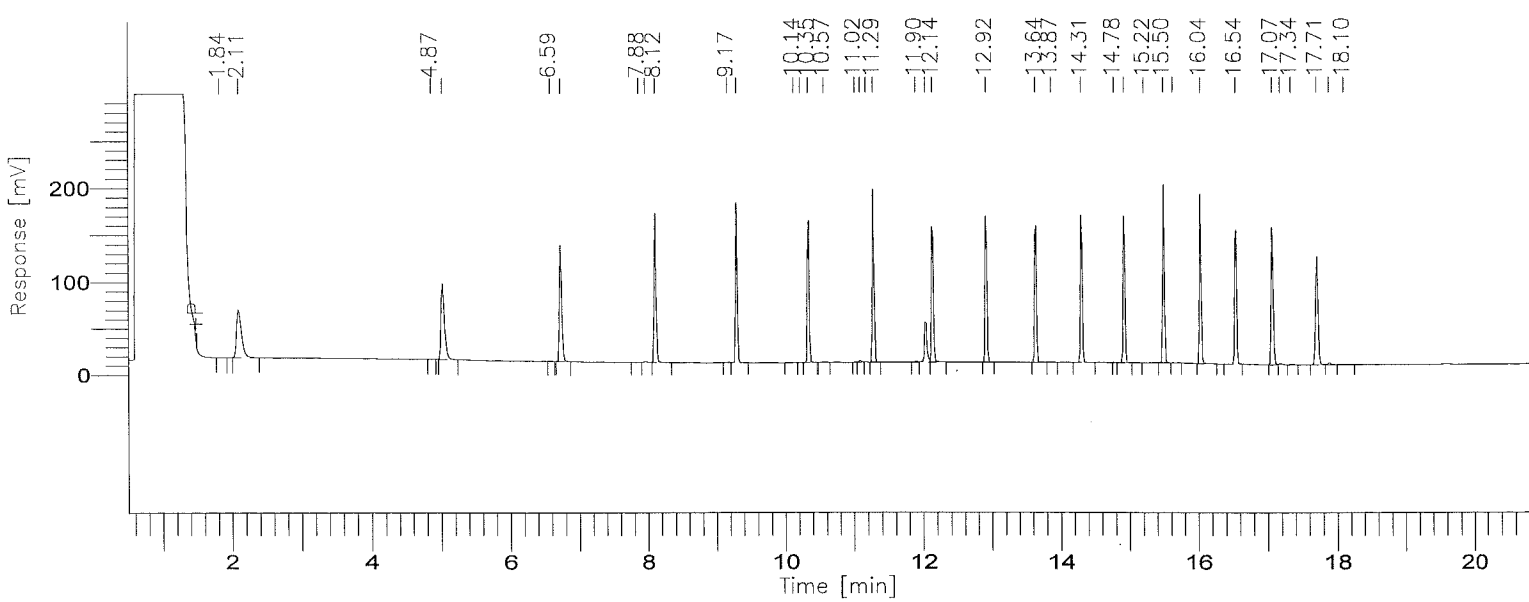
Raw Data File : C:\TC4\DATA_01\O03_049.RAW
Result File : C:\TC4\DATA_01\O03_049.RST
Inst Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\O03_049.RS
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A
Sequence File : C:\TC4\DATA_01\O03.SEQ

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

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

Instrument Conditions:

Total number of peaks detected: 39



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
3.446	C8-C9	262615	26.2829	30.0	-12.39
5.772	C10-C11	279504	26.4897	30.0	-11.70
7.314	C12-C13	289830	27.0084	30.0	-9.97
8.586	C14-C15	291838	24.2272	30.0	-19.24
9.692	C16-C17	297747	27.5093	30.0	-8.30
10.720	C18-C19	305174	25.4115	30.0	-15.30
12.018	C20-C23	720327	33.1753	30.0	10.58
13.534	C24-C27	610154	29.0696	30.0	-3.10
14.819	C28-C31	621733	28.9610	30.0	-3.46
15.898	C32-C35	616368	28.6316	30.0	-4.56
16.990	C36-C39	617454	28.8285	30.0	-3.91
19.290	C40+	298140	28.8770	30.0	-3.74
		5210882	334.4718		

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
2.106		261577	0.2616	------	----------
4.869		1038	0.0010	------	----------
		262615	0.2626		

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
5.031		278004	0.2780	------	----------
6.588		1499	0.0015	------	----------
		279504	0.2795		

Group Report For : C12-C13

Time	Component	Area	ACTUAL	TRUE	%

[min]	Name	[µV·s]	VALUE (PPM)	VALUE	D
7.737		284922	0.2849	------	----------
7.879		1266	0.0013	------	----------
7.977		3642	0.0036	------	----------
		289830	0.2898		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
8.118		291838	0.2918	------	----------
		291838	0.2918		

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
9.168		1385	0.0014	------	----------
9.300		293454	0.2935	------	----------
10.135		1512	0.0015	------	----------
10.228		1396	0.0014	------	----------
		297747	0.2977		

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
10.346		294550	0.2946	------	----------
10.571		1998	0.0020	------	----------
11.017		1090	0.0011	------	----------
11.096		5512	0.0055	------	----------
11.181		2024	0.0020	------	----------
		305174	0.3052		

oup Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
11.285		298152	0.2982	------	----------

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
11.902		3735	0.0037	------	----------
12.041		111571	0.1116	------	----------
12.141		306870	0.3069	------	----------
		720327	0.7203		

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
12.922		300660	0.3007	------	----------
13.643		308406	0.3084	------	----------
13.869		1088	0.0011	------	----------
		610154	0.6102		

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
14.306		310344	0.3103	------	----------
14.779		429	0.0004	------	----------
14.922		308936	0.3089	------	----------
15.217		2023	0.0020	------	----------
		621733	0.6217		

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
15.500		309131	0.3091	------	----------
15.631		548	0.0005	------	----------
16.035		306690	0.3067	------	----------
		616368	0.6164		

Group Report For : C36-C39

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

16.543	305536	0.3055	------	----------
17.070	305142	0.3051	------	----------
17.187	4509	0.0045	------	----------
17.336	2267	0.0023	------	----------
	617454	0.6175		

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
17.714		292280	0.2923	------	----------
17.887		5182	0.0052	------	----------
18.095		678	0.0007	------	----------
		298140	0.2981		

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

Timed Event Table

Time	Event	Value
0.131	-P	
1.500	P	
23.390	-P	

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O03_049.TX0

Software Version: 4.1<2F12>
Sample Name : #TEPH00-171 DIESEL STD Time : 10/4/00 07:03 PM
Sample Number: 1000 PPM Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/4/00 06:42 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

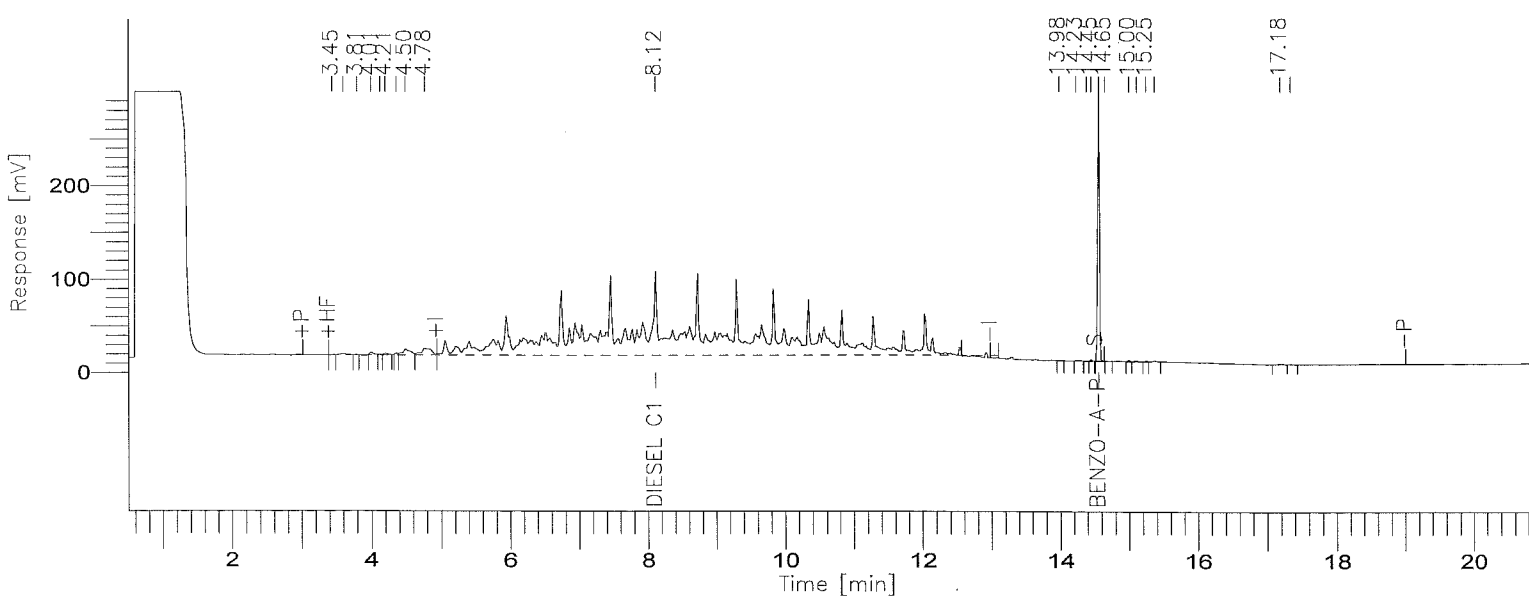
Raw Data File : C:\TC4\DATA_01\O03_060.RAW
Result File : C:\TC4\DATA_01\O03_060.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O03_060.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_01\O03.SEQ

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

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

Instrument Conditions:

Total number of peaks detected: 22



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
3.452		810	0.0008	------	----------
3.611		9320	0.0093	------	----------
3.805		961	0.0010	------	----------
4.007		9578	0.0096	------	----------
4.134		1555	0.0016	------	----------
4.208		8689	0.0087	------	----------
4.370		6634	0.0066	------	----------
4.503		46236	0.0462	------	----------
4.781		69072	0.0691	------	----------
8.118	DIESEL C10-C24	7227513	977.7591	1000.0	-2.22
13.981		507	0.0005	------	----------
14.234		2575	0.0026	------	----------
14.388		831	0.0008	------	----------
14.451		2790	0.0028	------	----------
14.563	BENZO-A-PYRENE	544203	51.5696	50.0	3.14
14.650		173	0.0002	------	----------
14.998		2591	0.0026	------	----------
15.114		3311	0.0033	------	----------
15.248		2556	0.0026	------	----------
15.371		3467	0.0035	------	----------
17.184		4960	0.0050	------	----------
17.333		2337	0.0023	------	----------
		7950668	1029.5076		

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\003_060.TX0

Software Version: 4.1<2F12>
Sample Name : #TEPH00-167 RT MARKER Time : 10/4/00 07:33 PM
Sample Number: 30 PPM Study : ICAL10/03/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/4/00 07:12 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

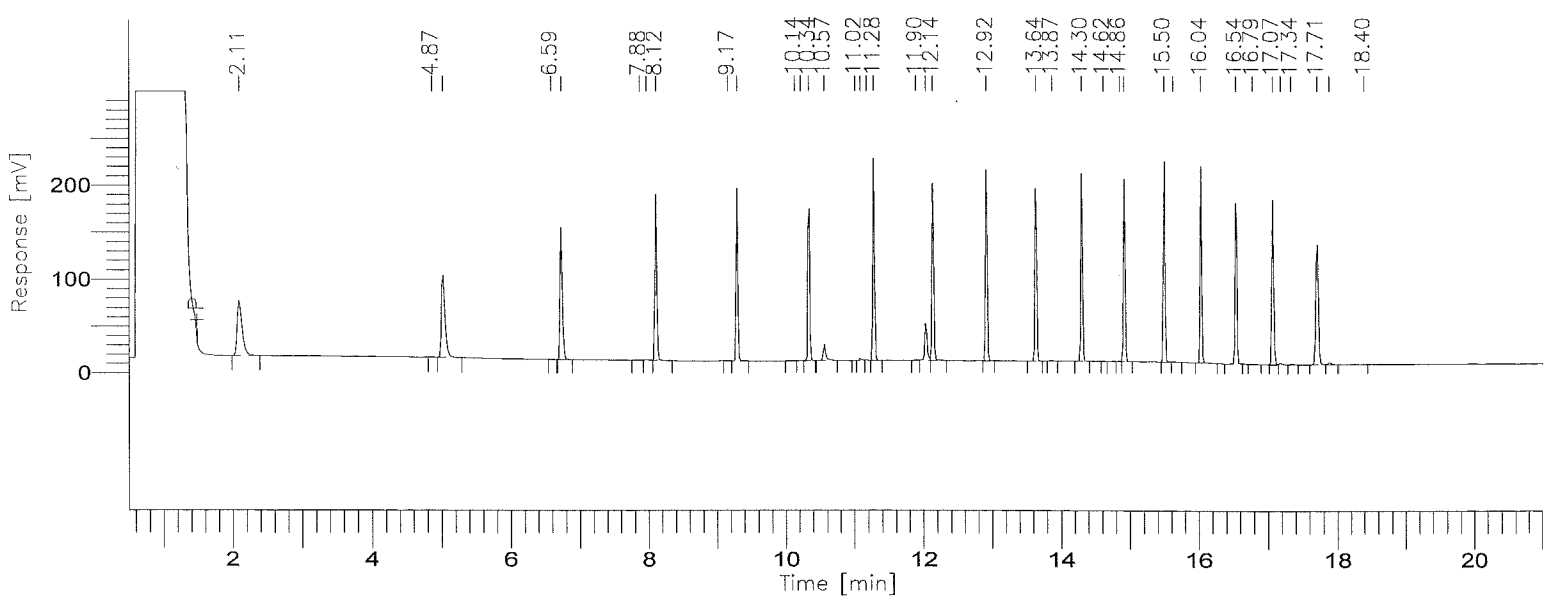
Raw Data File : C:\TC4\DATA_01\003_061.RAW
Result File : C:\TC4\DATA_01\003_061.RST
Inst Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\003_061.RS
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A
Sequence File : C:\TC4\DATA_01\003.SEQ

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)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
3.446	C8-C9	291704	29.1942	30.0	-2.69
5.772	C10-C11	316257	29.9729	30.0	-0.09
7.314	C12-C13	326937	30.4663	30.0	1.55
8.586	C14-C15	329740	27.3737	30.0	-8.75
9.692	C16-C17	337083	31.1436	30.0	3.81
10.720	C18-C19	388441	32.3450	30.0	7.82
12.018	C20-C23	786204	36.2093	30.0	20.70
13.534	C24-C27	694014	33.0649	30.0	10.22
14.819	C28-C31	701705	32.6861	30.0	8.95
15.898	C32-C35	700536	32.5414	30.0	8.47
16.990	C36-C39	706105	32.9675	30.0	9.89
19.290	C40+	341938	33.1191	30.0	10.40
		5920664	381.0841		

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
2.105		290587	0.2906	------	----------
4.872		1117	0.0011	------	----------
		291704	0.2917		

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
5.030		314574	0.3146	------	----------
6.594		1683	0.0017	------	----------
		316257	0.3163		

Group Report For : C12-C13

Time	Component	Area	ACTUAL	TRUE	%

[min]	Name	[µV·s]	VALUE (PPM)	VALUE	D
6.736		321664	0.3217	------	----------
7.882		1637	0.0016	------	----------
7.980		3636	0.0036	------	----------
		326937	0.3269		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
8.117		329740	0.3297	------	----------
		329740	0.3297		

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
9.169		1453	0.0015	------	----------
9.298		332719	0.3327	------	----------
10.136		1323	0.0013	------	----------
10.228		1588	0.0016	------	----------
		337083	0.3371		

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
10.344		336298	0.3363	------	----------
10.566		42833	0.0428	------	----------
11.015		835	0.0008	------	----------
11.094		6301	0.0063	------	----------
11.180		2174	0.0022	------	----------
		388441	0.3884		

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
11.284		340084	0.3401	------	----------

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
11.900		4724	0.0047	------	----------
12.038		93440	0.0934	------	----------
12.137		347956	0.3480	------	----------
		786204	0.7862		

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
12.919		343025	0.3430	------	----------
13.638		350091	0.3501	------	----------
13.873		898	0.0009	------	----------
		694014	0.6940		

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
14.303		350248	0.3502	------	----------
14.618		544	0.0005	------	----------
14.856		1390	0.0014	------	----------
14.920		349522	0.3495	------	----------
		701705	0.7017		

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
15.499		350380	0.3504	------	----------
15.631		488	0.0005	------	----------
16.035		349668	0.3497	------	----------
		700536	0.7005		

Group Report For : C36-C39

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

16.539	348346	0.3483	------	----------
16.787	1148	0.0011	------	----------
7.069	349074	0.3491	------	----------
17.185	4778	0.0048	------	----------
17.335	2759	0.0028	------	----------
	706105	0.7061		

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
17.711		334762	0.3348	------	----------
17.885		5732	0.0057	------	----------
18.396		1444	0.0014	------	----------
		341938	0.3419		

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

Timed Event Table

Time	Event	Value
0.131	-P	
1.500	P	
23.390	-P	

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O03_061.TX0

Lot/Sample: E0I260285-027S C-2-3-1 TICs.....: N Report Results: Y
WO#.....: DL3H3-1-1U 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: 10/04/00
Inject Time..: 13:42 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: 003_050
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....: 9/26/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/09/27 12:18:21
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 9/27/00
QC Batch.....: 0271552
MS Run Number: 0271280
Prep Time....: 14:00-14:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....: TEPH1561-1DCS/5000PPM/1M
Surrogate: TEPH1562-1SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Spike Amount	Measured Amount	%REC	%RPD	Data Qual	Report Qual
04490	Diesel Range Organics (Sample amount:			250	NA				NA
04980	Diesel Range Organics			250	NA				NA
05013	Motor Oil Range Organic			250	NA				NA
03052	TPH (as Diesel)			250	230.0289				
03053	TPH (as Motor Oil)			250	NA				NA

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	12.621	100.968		NA

Software Version: 4.1<2F12>
Sample Name : 285-27 MS Time : 10/5/00 08:04 AM
Sample Number: Study : ICAL8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/4/00 01:42 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

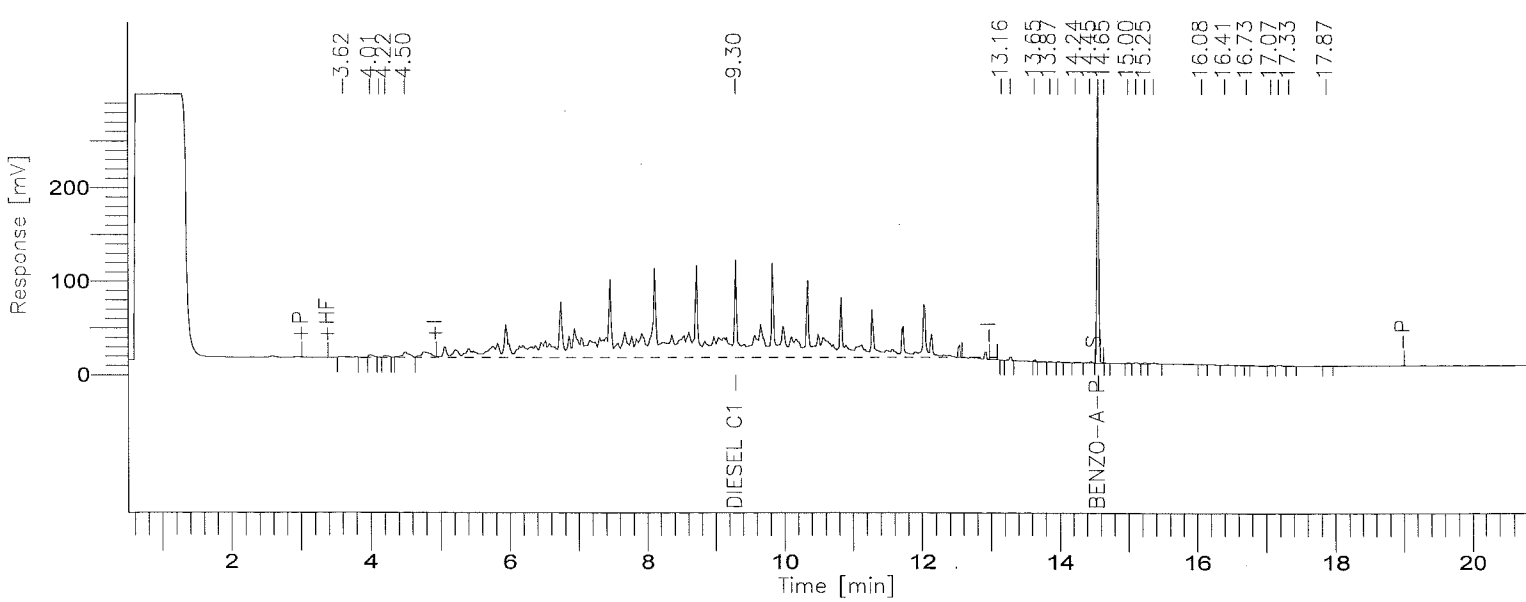
Raw Data File : C:\TC4\DATA_01\O03_050.RAW
Result File : C:\TC4\DATA_01\O03_050.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O03_050.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O03_050.R
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O03_050.R
Sequence File : C:\TC4\DATA_01\O03.SEQ

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

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

Instrument Conditions:

Total number of peaks detected: 26



001617

BOE-C6-0157180

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% RECOVERY
9.300	DIESEL C10-C24	6801416.00	230.0289	250.00	92.01
14.565	BENZO-A-PYRENE	532748.85	12.6210	12.50	100.97
		7334164.85	242.6499	262.50	192.98

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\003_050.TX0

Lot/Sample: E0I260285-027D C-2-3-1 TICs.....: N Report Results: Y
WO#.....: DL3H3-1-1V 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: 10/04/00
Inject Time..: 14:12 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: 003_051
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....: 9/26/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/09/27 12:18:39
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 9/27/00
QC Batch.....: 0271552
MS Run Number: 0271280
Prep Time....: 14:00-14:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....: TEPH1561-1DCS/5000PPM/1M
Surrogate: TEPH1562-1SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Spike Amount	Measured Amount	%REC	%RPD	Data Qual	Report Qual
04490	Diesel Range Organics (			250	NA				NA
	Sample amount:								
04980	Diesel Range Organics			250	NA				NA
05013	Motor Oil Range Organic			250	NA				NA
03052	TPH (as Diesel)			250	219.0647				
03053	TPH (as Motor Oil)			250	NA				NA

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	11.978	95.8264		NA

Software Version: 4.1<2F12>
Sample Name : 285-27 MSD
Sample Number:
Operator :

Time : 10/5/00 08:05 AM
Study : ICAL8/28/00

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

Channel : A A/D mV Range : 1000

Interface Serial # : 2136574898 Data Acquisition Time: 10/4/00 02:12 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_01\O03_051.RAW
Result File : C:\TC4\DATA_01\O03_051.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O03_051.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O03_051.R
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O03_051.R
Sequence File : C:\TC4\DATA_01\O03.SEQ

Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

Noise Threshold: 50
Multiplier : 5.0000

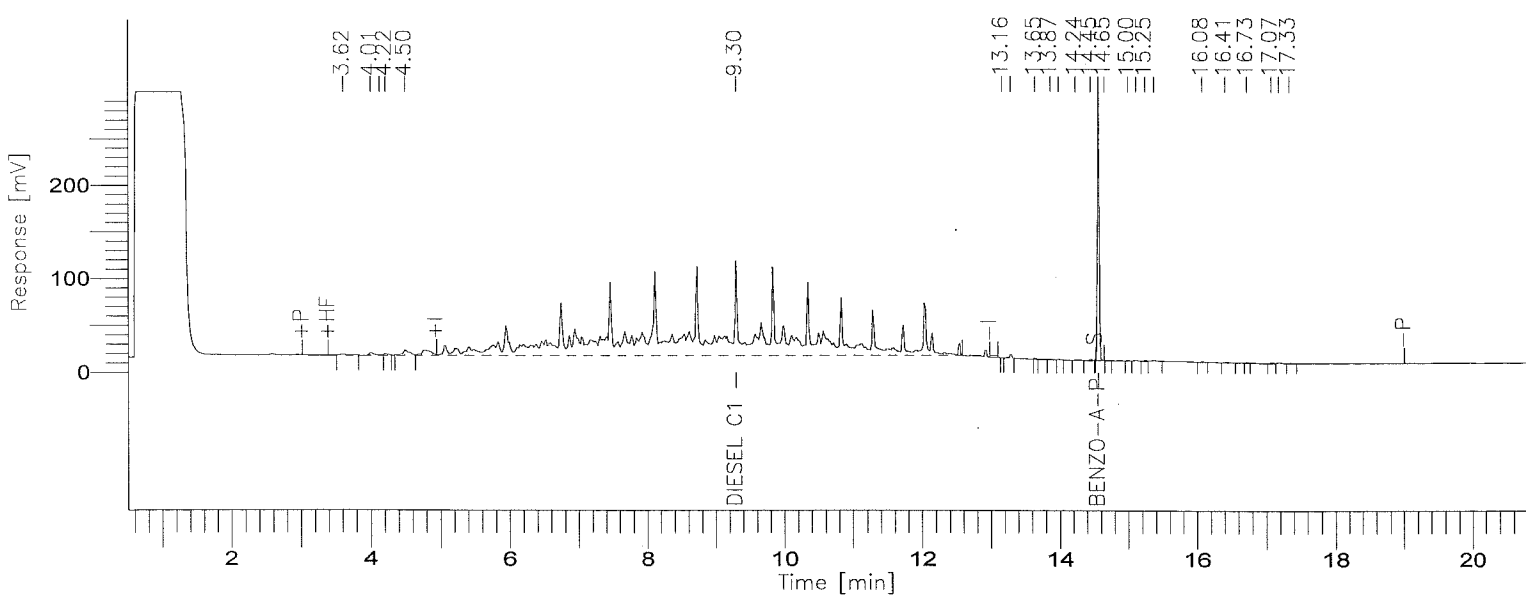
Area Threshold : 200
Divisor : 20.0000

Bunch Factor: 1
Addend : 0.0000

User1 : TPHDA
User2 :
User3 :
User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 25



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% RECOVERY
9.301	DIESEL C10-C24	6477232.00	219.0647	250.00	87.63
14.564	BENZO-A-PYRENE	505617.00	11.9783	12.50	95.83
		6982849.00	231.0430	262.50	183.45

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\003_051.TX0

Lot/Sample: E0I260285-028 C-2-3-5 TICs.....: N Report Results: Y
WO#.....: DL3H4-1-0M 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: 10/04/00
Inject Time..: 14:42 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: 003_052A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....: 9/26/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/05 10:09:05
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 9/27/00
QC Batch.....: 0271552
MS Run Number: 0271280
Prep Time....: 14:00-18:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1562-1SCS/250PPM/1ML

Total Solids.: .00

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

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	11.854	94.832		

Software Version: 4.1<2F12>
Sample Name : 285-28 Time : 10/5/00 08:41 AM
Sample Number: Study : ICAL8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/4/00 02:42 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

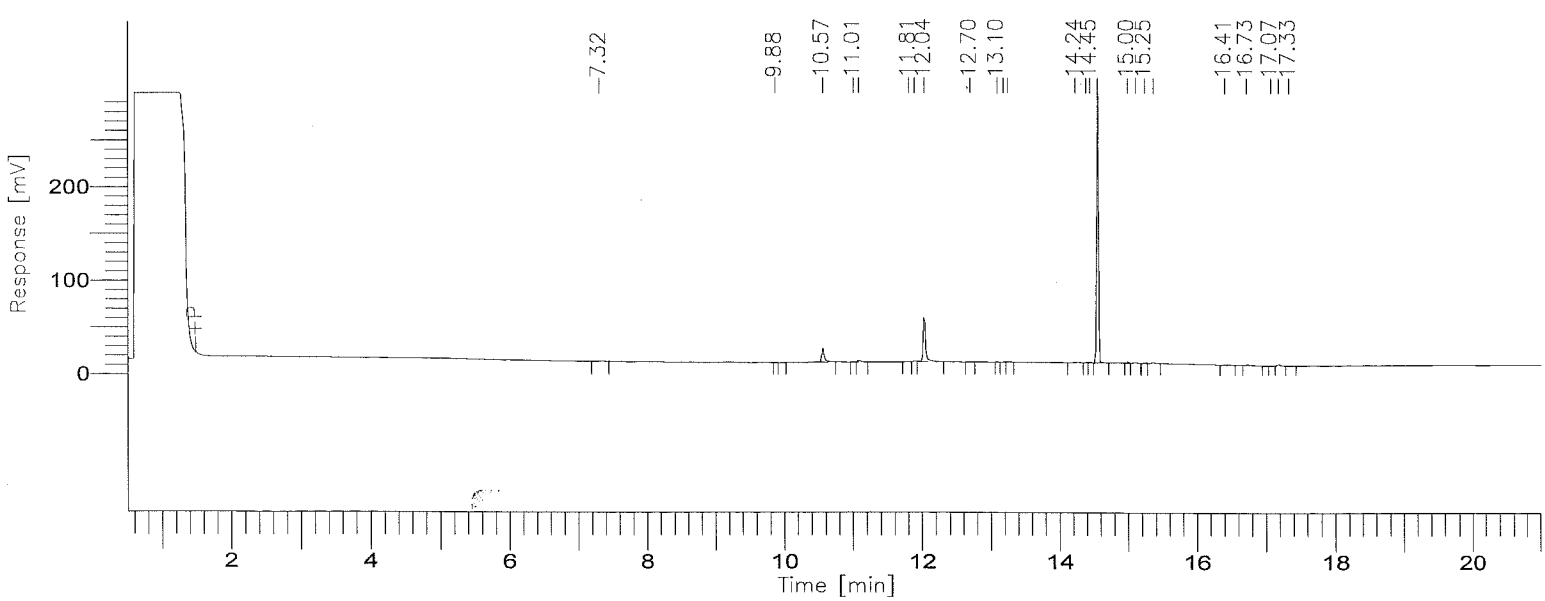
Raw Data File : C:\TC4\DATA_01\O03_052A.RAW
Result File : C:\TC4\DATA_01\O03_052A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O03_052A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O03.SEQ

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

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

Instrument Conditions:

Total number of peaks detected: 25



001623

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	0	0.000	------	10.0	
5.77	C10-C11	0	0.000	------	10.0	
7.31	C12-C13	3404	0.079	------	10.0	
8.59	C14-C15	0	0.000	------	10.0	
9.69	C16-C17	328	0.008	------	10.0	
10.72	C18-C19	47324	0.985	------	10.0	
12.02	C20-C23	133364	1.536	------	10.0	
13.53	C24-C27	6093	0.073	------	10.0	
14.82	C28-C31	515947	.17628 ~~6.008~~	------	10.0	
15.90	C32-C35	0	0.000	------	10.0	
16.99	C36-C39	13662	0.159	------	10.0	
19.29	C40+	0	0.000	------	10.0	
		720122	~~8.848~~ 3.016			

Group Report For : C8-C9

No peaks available to report

515497
~~133364~~
− 500362
15135
21467.96

5/20 = .17625

Group Report For : C10-C11

No peaks available to report

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.32		3404	0.001	------	10.0	
		3404	0.001			

Group Report For : C14-C15

No peaks available to report

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.88		328	8.200e-05	------	10.0	
		328	8.200e-05			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.57		39883	0.010	------	10.0	
11.01		1364	0.000	------	10.0	
11.10		6077	0.002	------	10.0	
		47324	0.012			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.81		1387	0.000	------	10.0	
11.90		3896	0.001	------	10.0	
12.04		126999	0.032	------	10.0	
12.70		1082	0.000	------	10.0	
		133364	0.033			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
13.10		374	9.350e-05	------	10.0	
[illegible].19		622	0.000	------	10.0	
[illegible].25		1770	0.000	------	10.0	
14.23		3327	0.001	------	10.0	
		6093	0.002			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.39		988	0.000	------	10.0	
14.45		2795	0.001	------	10.0	
14.56		500719	0.125	------	10.0	
15.00		2454	0.001	------	10.0	
15.11		2914	0.001	------	10.0	
15.25		2722	0.001	------	10.0	
15.37		3355	0.001	------	10.0	
		515947	0.129			

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
16.41		1660	0.000	------	10.0	
16.73		4016	0.001	------	10.0	
17.07		1709	0.000	------	10.0	
17.19		4366	0.001	------	10.0	
17.33		1911	0.000	------	10.0	
		13662	0.003			

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_01\O03_052A.TX0

Software Version: 4.1<2F12>
Sample Name : 285-28 Time : 10/4/00 03:03 PM
Sample Number: Study : ICAL8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/4/00 02:42 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

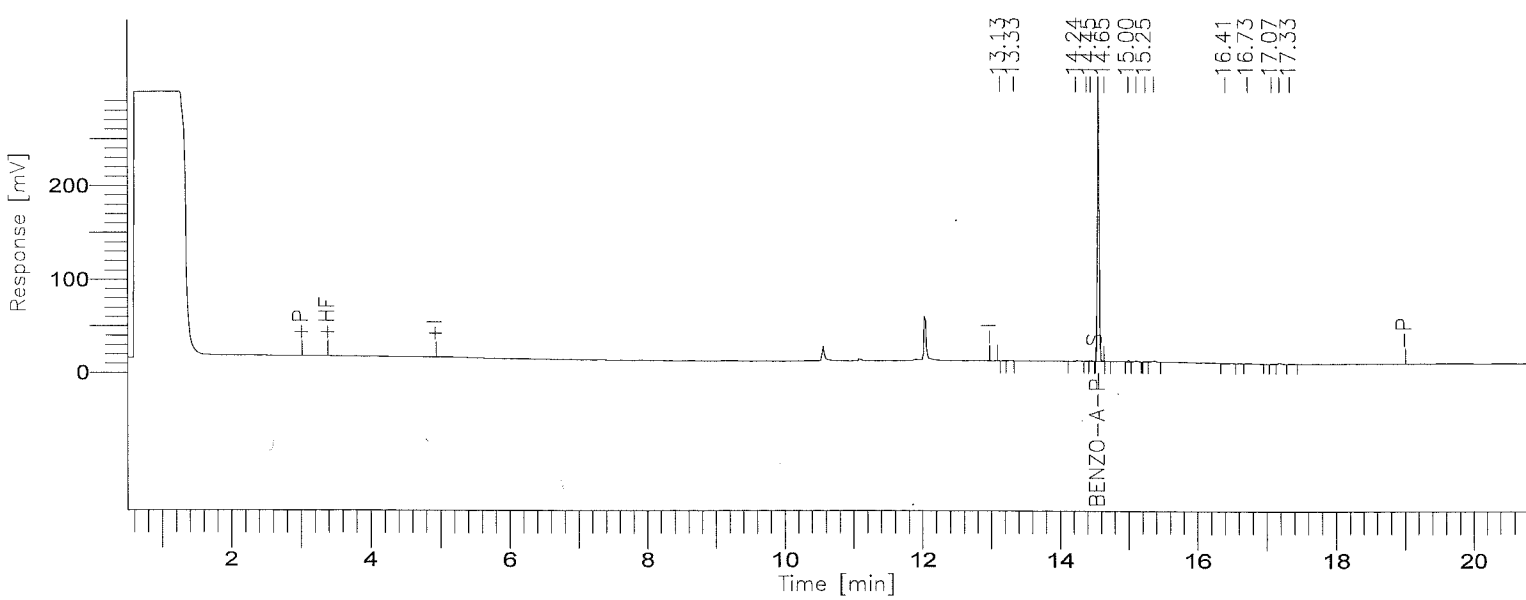
Raw Data File : C:\TC4\DATA_01\O03_052.RAW
Result File : C:\TC4\DATA_01\O03_052.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O03_052.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_01\O03.SEQ

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

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

Instrument Conditions:

Total number of peaks detected: 16



001628

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.03	DIESEL C10-C24	0	0.000	------	10.0	
14.56	BENZO-A-PYRENE	500362	11.854	94.8	10.0	
		500362	11.854			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O03_052.TX0

Lot/Sample: E0I260285-029 C-2-4-1 TICs.....: N Report Results: Y
WO#.....: DL3H5-1-0M 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: 10/04/00
Inject Time..: 15:12 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O03_053A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....: 9/26/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/06 12:35:58
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 9/27/00
QC Batch.....: 0271552
MS Run Number: 0271280
Prep Time....: 14:00-18:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1562-1SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05120	C8-C9			ND	10			
05121	C10-C11			ND	10			
05122	C12-C13			ND	10			
05123	C14-C15			ND	10			
05124	C16-C17			ND	10			
05125	C18-C19			ND	10			
05132	C40+			ND	10			
05136	Total Carbon Chain Rang			7.890	10		J	J
05201	C20-C23			ND	10			
05202	C24-C27			ND	10			
05203	C28-C31			ND	10			
05204	C32-C35			ND	10			
05205	C36-C39			ND	10			

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	13.181	105.448		

Notes:

J Estimated result. Result is less than RL.

(Continued on next page)

Lot/Sample: E0I260285-029 C-2-4-1 TICs.....: N Report Results: Y
WO#.....: DL3H5-1-0M 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 : 285-29 Time : 10/5/00 08:41 AM
Sample Number: Study : ICAL8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/4/00 03:12 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

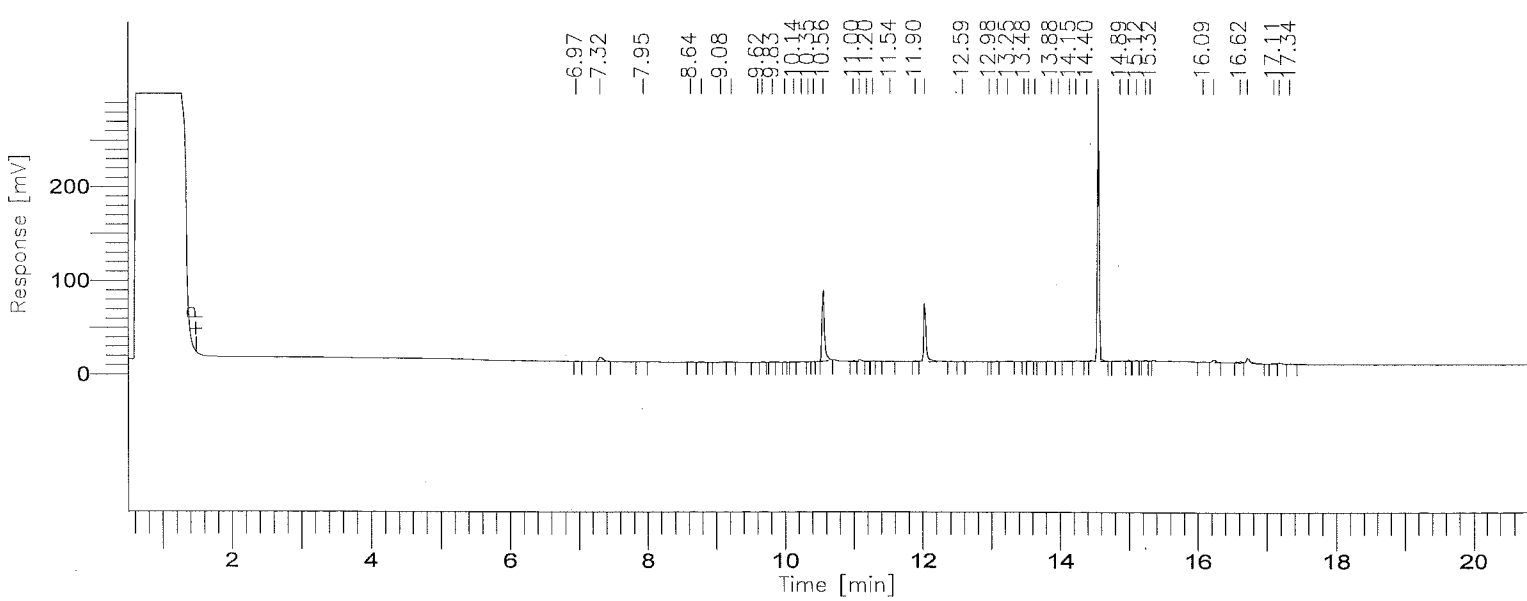
Raw Data File : C:\TC4\DATA_01\O03_053A.RAW
Result File : C:\TC4\DATA_01\O03_053A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O03_053A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O03.SEQ

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

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

Instrument Conditions:

Total number of peaks detected: 48



001632

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	0	0.000	------	10.0	
5.77	C10-C11	0	0.000	------	10.0	
7.31	C12-C13	21430	0.499	------	10.0	
8.59	C14-C15	6703	0.139	------	10.0	
9.69	C16-C17	7297	0.169	------	10.0	
10.72	C18-C19	202491	4.215	------	10.0	
12.02	C20-C23	166250	1.914	------	10.0	
13.53	C24-C27	14564	0.173	------	10.0	
14.82	C28-C31	1 574045	.2057 ~~.4807~~ ~~6.685~~	------	10.0	
15.90	C32-C35	12594	0.146	------	10.0	
16.99	C36-C39	36731	0.429	------	10.0	
19.29	C40+	0	0.000	------	10.0	
		1042104	~~14.370~~ ~~8.4657~~ 7.8907			

Group Report For : C8-C9 — ~~532745~~ 556375

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
6.97		596	0.000	------	10.0	
.32		20180	0.005	------	10.0	
7.95		653	0.000	------	10.0	
		21430	0.005			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.64		1362	0.000	------	10.0	
8.80		3388	0.001	------	10.0	
9.08		1953	0.000	------	10.0	
		6703	0.002			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.23		1111	0.000	------	10.0	
9.62		1500	0.000	------	10.0	
9.68		1335	0.000	------	10.0	
9.83		1793	0.000	------	10.0	
10.00		857	0.000	------	10.0	
10.14		701	0.000	------	10.0	
		7297	0.002			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.25		1687	0.000	------	10.0	
10.35		550	0.000	------	10.0	
10.43		474	0.000	------	10.0	
10.56		188552	0.047	------	10.0	
11.00		3142	0.001	------	10.0	
11.09		6950	0.002	------	10.0	
11.20		1136	0.000	------	10.0	
		202491	0.051			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.29		1501	0.000	------	10.0	
11.54		1378	0.000	------	10.0	
11.90		4622	0.001	------	10.0	
12.04		157819	0.039	------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
1[illegible].59		930	0.000	------	10.0	
		166250	0.042			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.98		291	7.275e-05	------	10.0	
13.10		924	0.000	------	10.0	
13.25		2711	0.001	------	10.0	
13.48		565	0.000	------	10.0	
13.55		2946	0.001	------	10.0	
13.65		368	9.200e-05	------	10.0	
13.88		1157	0.000	------	10.0	
13.98		930	0.000	------	10.0	
14.15		1044	0.000	------	10.0	
14.24		3629	0.001	------	10.0	
		14564	0.004			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.40		1295	0.000	------	10.0	
14.56		561197	0.140	------	10.0	
14.88		1880	0.000	------	10.0	
15.00		3131	0.001	------	10.0	
15.11		2674	0.001	------	10.0	
15.25		3583	0.001	------	10.0	
15.32		284	7.112e-05	------	10.0	
		574045	0.144			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.09		3346	0.001	------	10.0	
16.24		9248	0.002	------	10.0	
		12594	0.003			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.62		6024	0.002	------	10.0	
16.73		20044	0.005	------	10.0	
17.11		3720	0.001	------	10.0	
17.18		4441	0.001	------	10.0	
17.34		2501	0.001	------	10.0	
		36731	0.009			

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_01\003_053A.TX0

Software Version: 4.1<2F12>
Sample Name : 285-29 Time : 10/4/00 03:33 PM
Sample Number: Study : ICAL8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/4/00 03:12 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

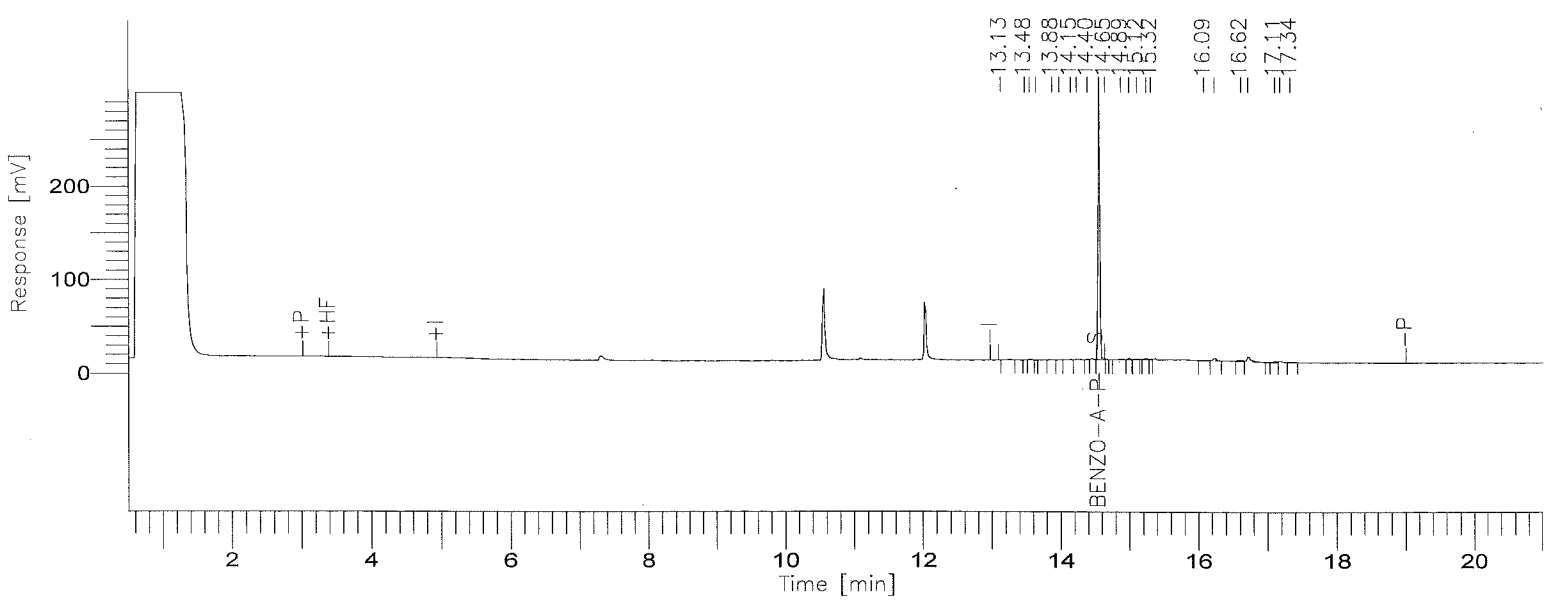
Raw Data File : C:\TC4\DATA_01\O03_053.RAW
Result File : C:\TC4\DATA_01\O03_053.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O03_053.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_01\O03.SEQ

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

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

Instrument Conditions:

Total number of peaks detected: 23



001637

BOE-C6-0157200

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.03	DIESEL C10-C24	0	0.000	------	10.0	
14.56	BENZO-A-PYRENE	556379	13.181	105.4	10.0	
		556379	13.181			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O03_053.TX0

Lot/Sample: E0I260285-030 C-2-4-5 TICs.....: N Report Results: Y
WO#.....: DL3H6-1-0M 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: 10/04/00
Inject Time..: 15:42 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: 003_054A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....: 9/26/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/05 10:09:38
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 9/27/00
QC Batch.....: 0271552
MS Run Number: 0271280
Prep Time....: 14:00-18:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1562-1SCS/250PPM/1ML

Total Solids.: .00

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

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	11.871	94.968		

Software Version: 4.1<2F12>
Sample Name : 285-30 Time : 10/5/00 08:41 AM
Sample Number: Study : ICAL8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/4/00 03:42 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

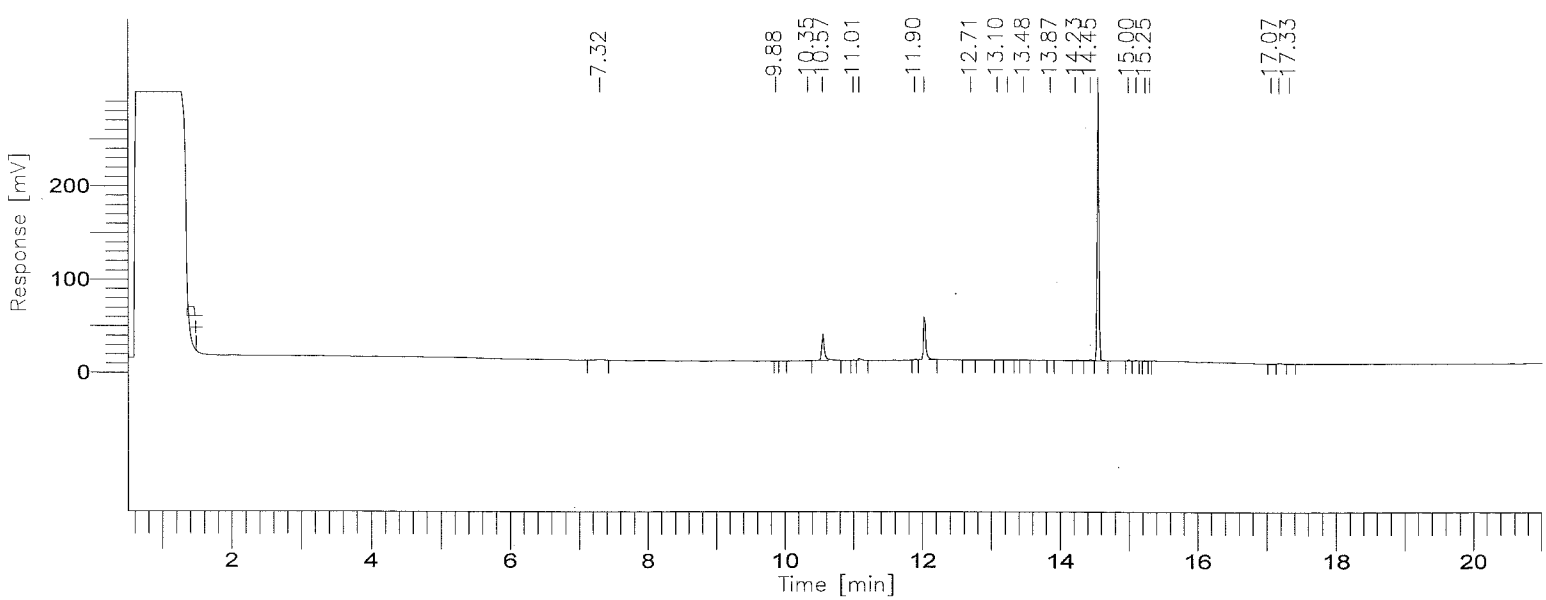
Raw Data File : C:\TC4\DATA_01\O03_054A.RAW
Result File : C:\TC4\DATA_01\O03_054A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O03_054A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O03.SEQ

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

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

Instrument Conditions:

Total number of peaks detected: 23



001640

BOE-C6-0157203

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	0	0.000	------	10.0	
5.77	C10-C11	0	0.000	------	10.0	
7.31	C12-C13	5186	0.121	------	10.0	
8.59	C14-C15	0	0.000	------	10.0	
9.69	C16-C17	311	0.007	------	10.0	
10.72	C18-C19	86449	1.800	------	10.0	
12.02	C20-C23	118795	1.368	------	10.0	
13.53	C24-C27	7453	0.089	------	10.0	
14.82	C28-C31	1 512142	.1285 ~~5.964~~	------	10.0	
15.90	C32-C35	0	0.000	------	10.0	
16.99	C36-C39	7669	0.090	------	10.0	
19.29	C40+	0	0.000	------	10.0	
		738005	~~9.438~~ 3.6029			

Group Report For : C8-C9 — 501071

No peaks available to report

Group Report For : C10-C11

No peaks available to report

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.32		5186	0.001	------	10.0	
		5186	0.001			

Group Report For : C14-C15

No peaks available to report

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.88		311	7.775e-05	------	10.0	
		311	7.775e-05			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.35		3042	0.001	------	10.0	
10.57		75666	0.019	------	10.0	
11.01		1285	0.000	------	10.0	
11.09		6456	0.002	------	10.0	
		86449	0.022			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.90		3650	0.001	------	10.0	
12.04		114360	0.029	------	10.0	
12.71		785	0.000	------	10.0	
		118795	0.030			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
13.10		696	0.000	------	10.0	
13.25		1559	0.000	------	10.0	
13.48		1725	0.000	------	10.0	
13.87		608	0.000	------	10.0	
14.23		2865	0.001	------	10.0	
		7453	0.002			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.45		3671	0.001	------	10.0	
14.56		501467	0.125	------	10.0	
15.00		2208	0.001	------	10.0	
15.11		2223	0.001	------	10.0	
15.25		2292	0.001	------	10.0	
15.32		281	7.020e-05	------	10.0	
		512142	0.128			

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
17.07		1825	0.000	------	10.0	
17.18		4056	0.001	------	10.0	
17.33		1787	0.000	------	10.0	
		7669	0.002			

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_01\O03_054A.TX0

Software Version: 4.1<2F12>
Sample Name : 285-30 Time : 10/4/00 04:03 PM
Sample Number: Study : ICAL8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/4/00 03:42 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

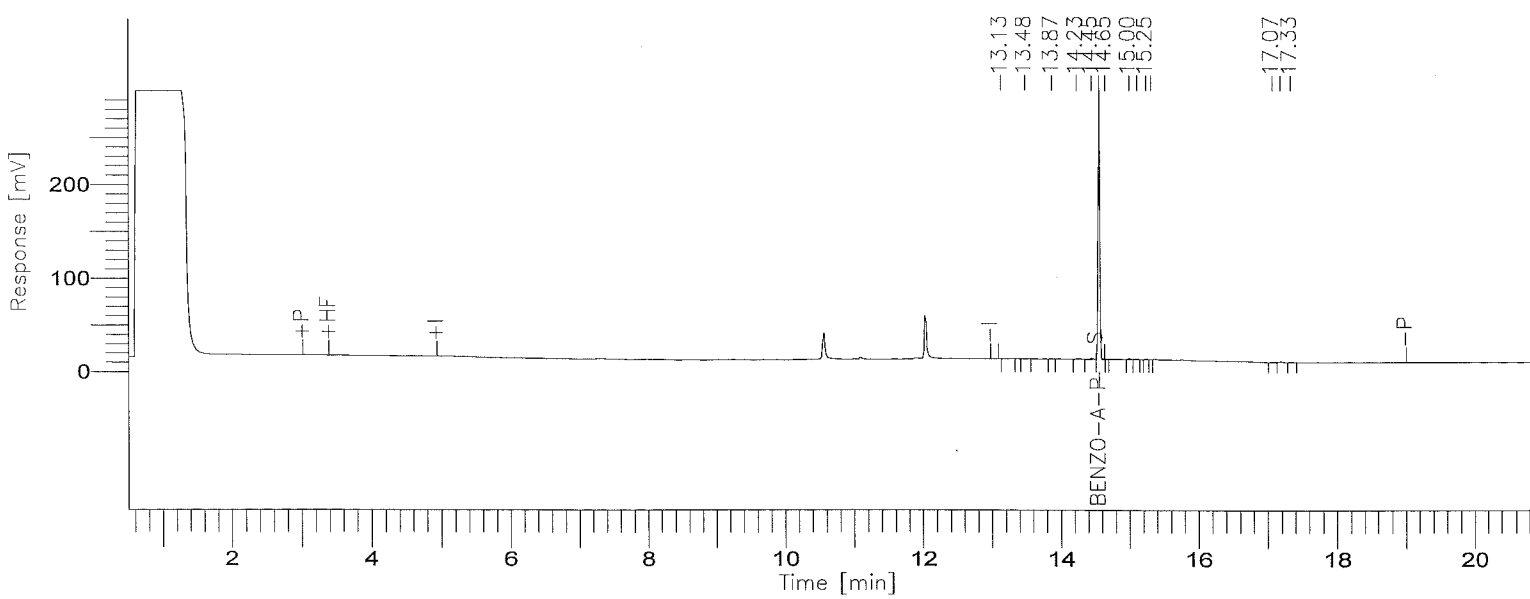
Raw Data File : C:\TC4\DATA_01\O03_054.RAW
Result File : C:\TC4\DATA_01\O03_054.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O03_054.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_01\O03.SEQ

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

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

Instrument Conditions:

Total number of peaks detected: 14



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.03	DIESEL C10-C24	0	0.000	------	10.0	
14.56	BENZO-A-PYRENE	501071	11.871	95.0	10.0	
		501071	11.871			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\003_054.TX0

Lot/Sample: E0I260285-031 C-2-5-1 TICs.....: N Report Results: Y
WO#.....: DL3H7-1-0M 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: 10/04/00
Inject Time..: 16:12 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O03_055A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....: 9/26/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/06 12:36:52
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 9/27/00
QC Batch.....: 0271552
MS Run Number: 0271280
Prep Time....: 14:00-18:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1562-1SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05120	C8-C9			ND	10			
05121	C10-C11			ND	10			
05122	C12-C13			ND	10			
05123	C14-C15			ND	10			
05124	C16-C17			ND	10			
05125	C18-C19			ND	10			
05132	C40+			ND	10			
05136	Total Carbon Chain Rang			5.152	10		J	J
05201	C20-C23			ND	10			
05202	C24-C27			ND	10			
05203	C28-C31			ND	10			
05204	C32-C35			ND	10			
05205	C36-C39			ND	10			

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	10.862	86.896		

Notes:

J Estimated result. Result is less than RL.

(Continued on next page)

Lot/Sample: E0I260285-031 C-2-5-1 TICs.....: N Report Results: Y
WO#.....: DL3H7-1-0M 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 : 285-31 Time : 10/5/00 08:41 AM
Sample Number: Study : ICAL8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/4/00 04:12 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

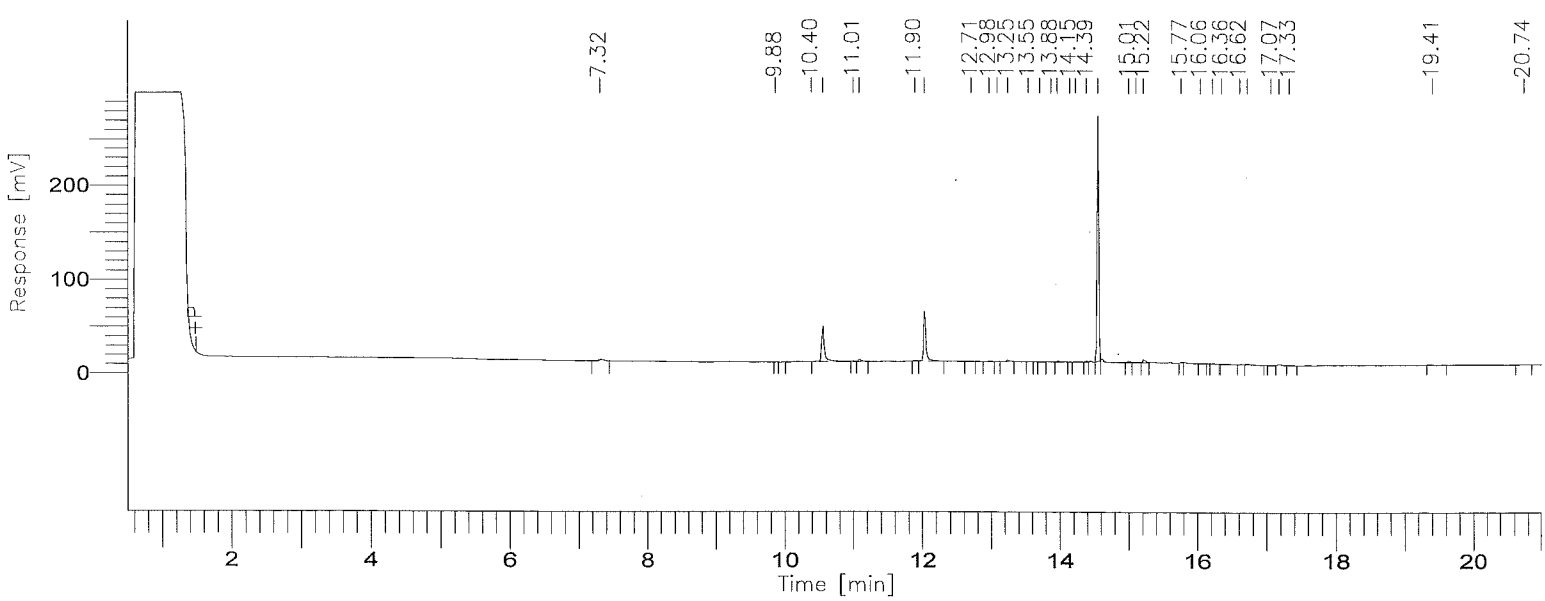
Raw Data File : C:\TC4\DATA_01\O03_055A.RAW
Result File : C:\TC4\DATA_01\O03_055A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O03_055A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O03.SEQ

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

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

Instrument Conditions:

Total number of peaks detected: 34



001648

BOE-C6-0157211

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	0	0.000	------	10.0	
5.77	C10-C11	0	0.000	------	10.0	
7.31	C12-C13	7521	0.175	------	10.0	
8.59	C14-C15	0	0.000	------	10.0	
9.69	C16-C17	363	0.008	------	10.0	
10.72	C18-C19	121871	2.537	------	10.0	
12.02	C20-C23	140792	1.621	------	10.0	
13.53	C24-C27	16752	0.200	------	10.0	
14.82	C28-C31	(1) 476934	.1246 ~~5.554~~	------	10.0	
15.90	C32-C35	9114	0.106	------	10.0	
16.99	C36-C39	17068	0.199	------	10.0	
19.29	C40+	3792	0.092	------	10.0	
		794208	~~10.492~~ 5.1553			

Group Report For : C8-C9 (1) -458510

No peaks available to report

Group Report For : C10-C11

No peaks available to report

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.32		7521	0.002	------	10.0	
		7521	0.002			

Group Report For : C14-C15

No peaks available to report

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.88		363	9.075e-05	------	10.0	
		363	9.075e-05			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.40		4342	0.001	------	10.0	
10.57		108260	0.027	------	10.0	
11.01		2493	0.001	------	10.0	
11.09		6777	0.002	------	10.0	
		121871	0.030			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.90		4398	0.001	------	10.0	
12.04		135348	0.034	------	10.0	
12.71		1046	0.000	------	10.0	
		140792	0.035			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.98		883	0.000	------	10.0	
13.10		482	0.000	------	10.0	
[illegible].25		4606	0.001	------	10.0	
13.55		573	0.000	------	10.0	
13.72		709	0.000	------	10.0	
13.88		1690	0.000	------	10.0	
13.97		4007	0.001	------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15		475	0.000	------	10.0	
14.23		3328	0.001	------	10.0	
		16752	0.004			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.39		2830	0.001	------	10.0	
14.56		458510	0.115	------	10.0	
15.01		4076	0.001	------	10.0	
15.11		2571	0.001	------	10.0	
15.22		8946	0.002	------	10.0	
		476934	0.119			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.77		2154	0.001	------	10.0	
16.06		1475	0.000	------	10.0	
16.23		1622	0.000	------	10.0	
16.36		3863	0.001	------	10.0	
		9114	0.002			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.62		2080	0.001	------	10.0	
16.72		6276	0.002	------	10.0	
17.07		1977	0.000	------	10.0	
17.19		4492	0.001	------	10.0	
17.33		2243	0.001	------	10.0	
		17068	0.004			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
41		1238	0.000	------	10.0	
20.74		2555	0.001	------	10.0	
		3792	0.001			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\003_055A.TX0

Software Version: 4.1<2F12>
Sample Name : 285-31 Time : 10/4/00 04:33 PM
Sample Number: Study : ICAL8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/4/00 04:12 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

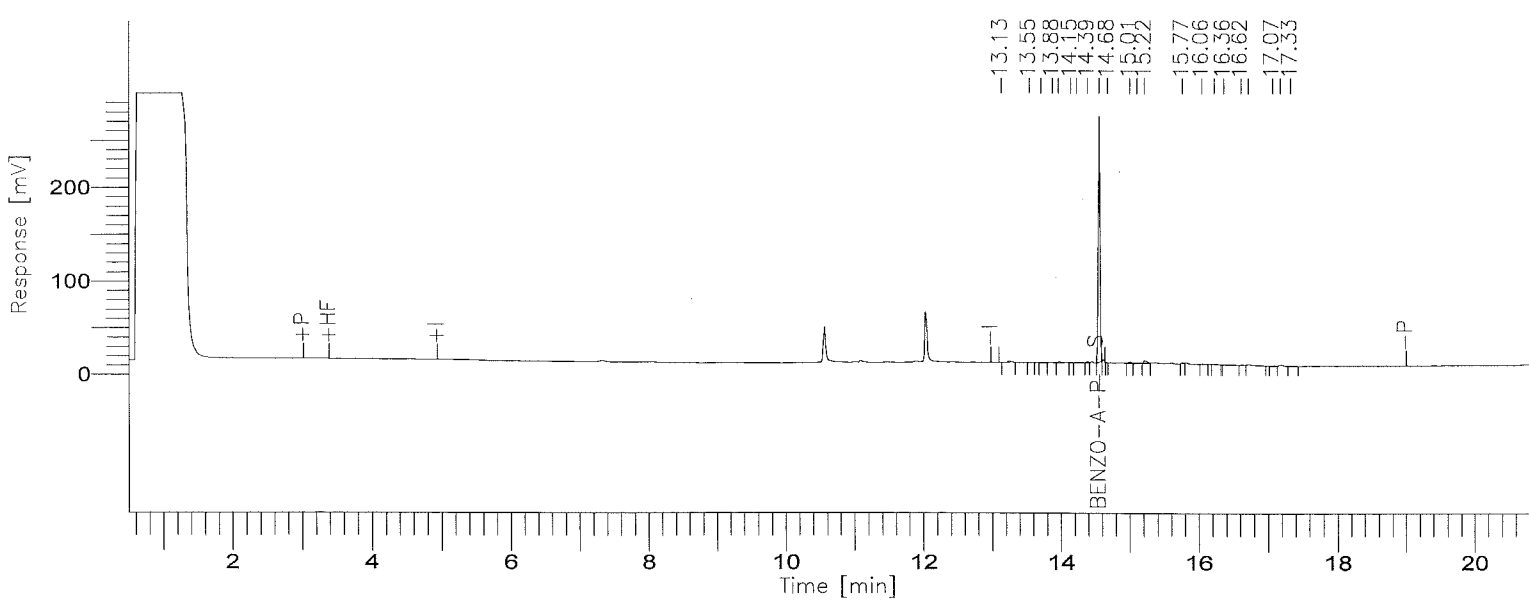
Raw Data File : C:\TC4\DATA_01\O03_055.RAW
Result File : C:\TC4\DATA_01\O03_055.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O03_055.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_01\O03.SEQ

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

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

Instrument Conditions:

Total number of peaks detected: 22



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.03	DIESEL C10-C24	0	0.000	------	10.0	
14.56	BENZO-A-PYRENE	458510	10.862	86.9	10.0	
		458510	10.862			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\003_055.TX0

Lot/Sample: E0I260285-032 C-2-5-5 TICs.....: N Report Results: Y
WO#.....: DL3H8-1-0M 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: 10/04/00
Inject Time..: 16:42 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O03_056A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....: 9/26/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/05 10:10:10
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 9/27/00
QC Batch.....: 0271552
MS Run Number: 0271280
Prep Time....: 14:00-18:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1562-1SCS/250PPM/1ML

Total Solids.: .00

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

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	10.590	84.72		

Software Version: 4.1<2F12>
Sample Name : 285-32 Time : 10/5/00 08:41 AM
Sample Number: Study : ICAL8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/4/00 04:42 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

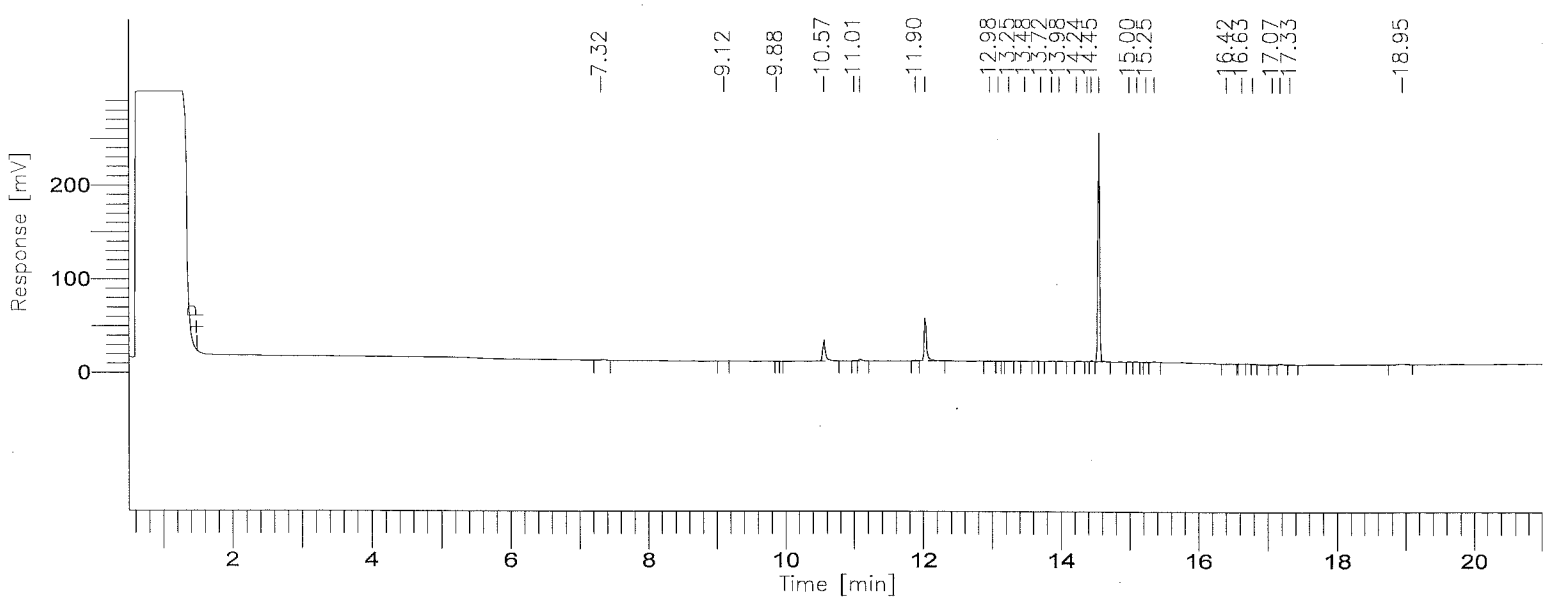
Raw Data File : C:\TC4\DATA_01\O03_056A.RAW
Result File : C:\TC4\DATA_01\O03_056A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O03_056A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O03.SEQ

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

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

Instrument Conditions:

Total number of peaks detected: 30



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	0	0.000	------	10.0	
5.77	C10-C11	0	0.000	------	10.0	
7.31	C12-C13	3265	0.076	------	10.0	
8.59	C14-C15	684	0.014	------	10.0	
9.69	C16-C17	365	0.008	------	10.0	
10.72	C18-C19	70476	1.467	------	10.0	
12.02	C20-C23	121480	1.399	------	10.0	
13.53	C24-C27	10028	0.119	------	10.0	
14.82	C28-C31	① 458936	.1389 ~~5.344~~	------	10.0	
15.90	C32-C35	0	0.000	------	10.0	
16.99	C36-C39	11959	0.140	------	10.0	
19.29	C40+	5546	0.134	------	10.0	
		682740	~~8.702~~ 3.4967			

Group Report For : C8-C9 ① -447025

No peaks available to report

Group Report For : C10-C11

No peaks available to report

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.32		3265	0.001	------	10.0	
		3265	0.001			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12		684	0.000	------	10.0	
		684	0.000			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.88		365	9.125e-05	------	10.0	
		365	9.125e-05			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.57		62136	0.016	------	10.0	
[illegible].01		1922	0.000	------	10.0	
.09		6419	0.002	------	10.0	
		70476	0.018			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.90		4309	0.001	------	10.0	
12.04		117172	0.029	------	10.0	
		121480	0.030			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
[illegible]2.98		1262	0.000	------	10.0	
[illegible].10		285	7.125e-05	------	10.0	
13.25		1753	0.000	------	10.0	
13.48		751	0.000	------	10.0	
13.72		393	9.817e-05	------	10.0	
13.88		1397	0.000	------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
98		1685	0.000	------	10.0	
14.23		2502	0.001	------	10.0	
		10028	0.003			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.39		812	0.000	------	10.0	
14.45		2615	0.001	------	10.0	
14.56		447274	0.112	------	10.0	
15.00		2040	0.001	------	10.0	
15.11		1676	0.000	------	10.0	
15.25		2128	0.001	------	10.0	
15.37		2391	0.001	------	10.0	
		458936	0.115			

oup 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
16.42		1533	0.000	------	10.0	
16.63		1137	0.000	------	10.0	
16.80		532	0.000	------	10.0	
17.07		1986	0.000	------	10.0	
17.18		4705	0.001	------	10.0	
17.33		2066	0.001	------	10.0	
		11959	0.003			

oup Report For : C40+

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

18.95	5546	0.001	------	10.0
	5546	0.001		

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O03_056A.TX0

Software Version: 4.1<2F12>
Sample Name : 285-32 Time : 10/4/00 05:03 PM
Sample Number: Study : ICAL8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/4/00 04:42 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

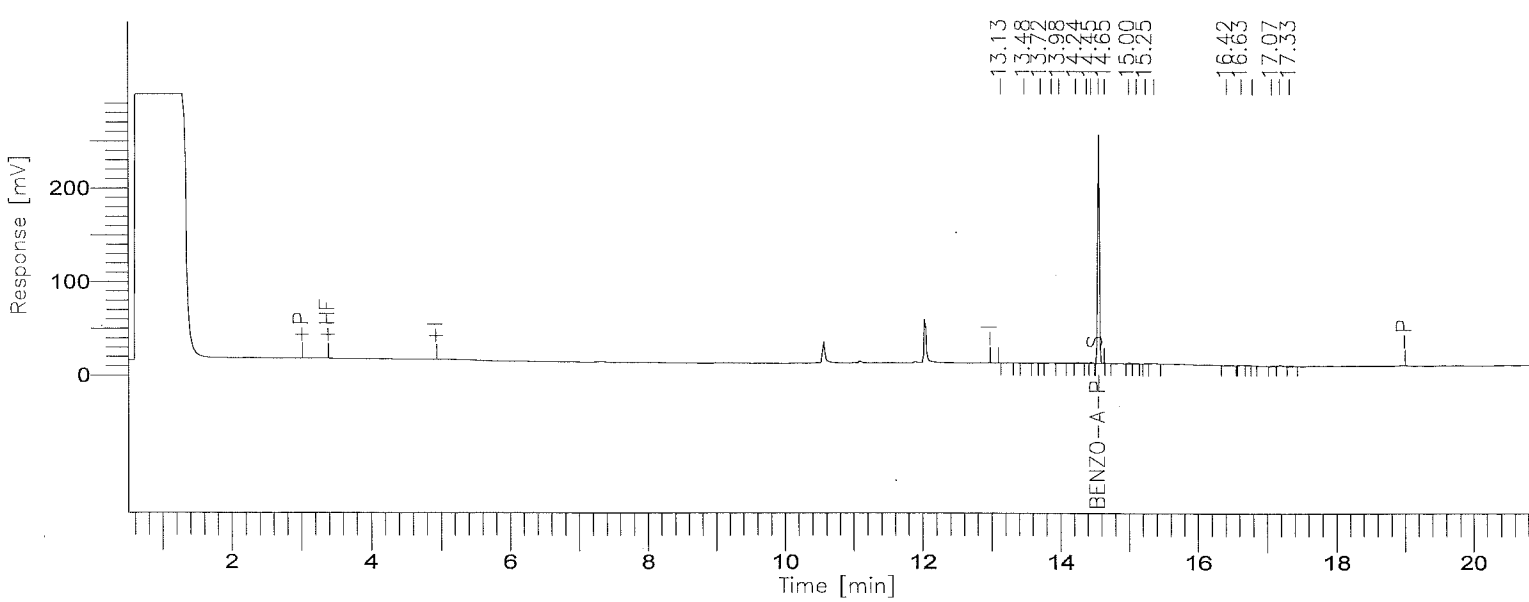
Raw Data File : C:\TC4\DATA_01\O03_056.RAW
Result File : C:\TC4\DATA_01\O03_056.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O03_056.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_01\O03.SEQ

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

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

Instrument Conditions:

Total number of peaks detected: 20



001661

BOE-C6-0157224

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.03	DIESEL C10-C24	0	0.000	------	10.0	
14.56	BENZO-A-PYRENE	447029	10.590	84.7	10.0	
		447029	10.590			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O03_056.TX0

Lot/Sample: E0I260285-033 C-2-6-1 TICs.....: N Report Results: Y
WO#.....: DL3H9-1-0M 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: 10/04/00
Inject Time..: 17:12 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: 003_057A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....: 9/26/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/06 12:38:02
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 9/27/00
QC Batch.....: 0271552
MS Run Number: 0271280
Prep Time....: 14:00-18:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1562-1SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05120	C8-C9			ND	10			
05121	C10-C11			ND	10			
05122	C12-C13			ND	10			
05123	C14-C15			ND	10			
05124	C16-C17			ND	10			
05125	C18-C19			ND	10			
05132	C40+			ND	10			
05136	Total Carbon Chain Rang			5.566	10		J	J
05201	C20-C23			ND	10			
05202	C24-C27			ND	10			
05203	C28-C31			ND	10			
05204	C32-C35			ND	10			
05205	C36-C39			ND	10			

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	11.274	90.192		

Notes:
J Estimated result. Result is less than RL.

(Continued on next page)

Lot/Sample: E0I260285-033 C-2-6-1 TICs.....: N Report Results: Y
WO#.....: DL3H9-1-0M 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 : 285-33 Time : 10/5/00 08:41 AM
Sample Number: Study : ICAL8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/4/00 05:12 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

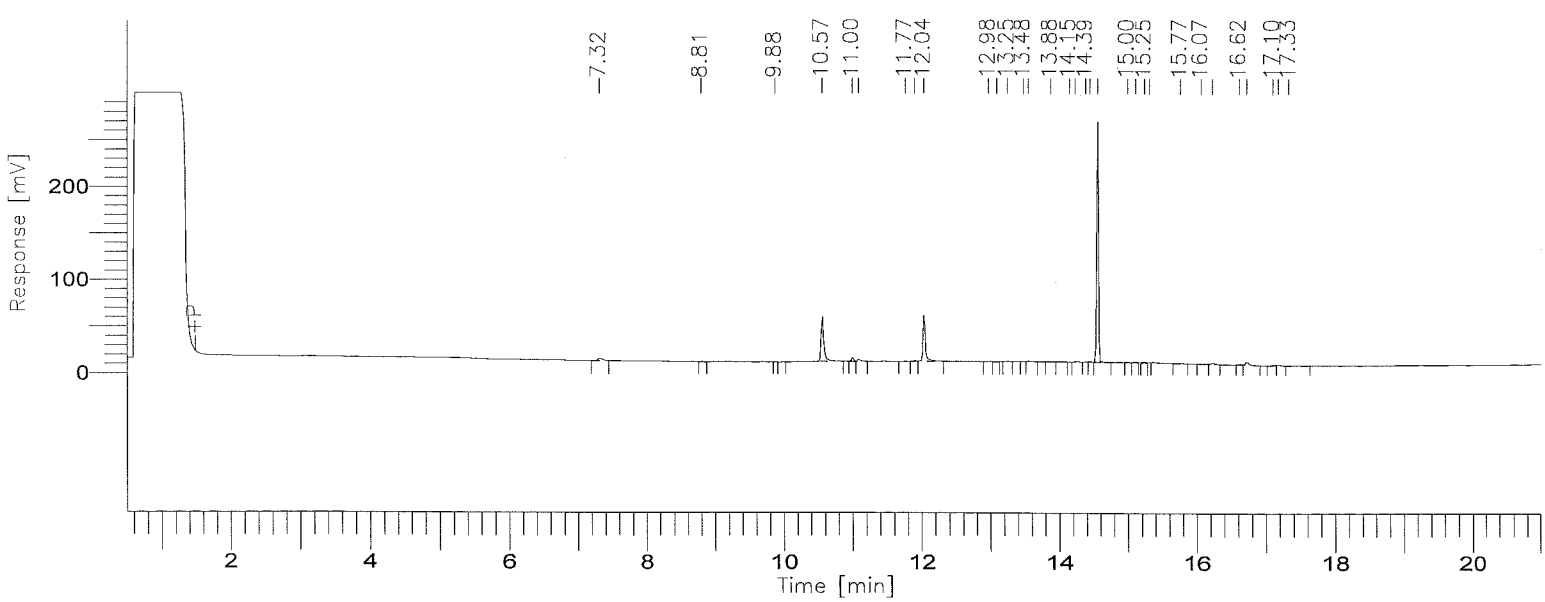
Raw Data File : C:\TC4\DATA_01\O03_057A.RAW
Result File : C:\TC4\DATA_01\O03_057A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O03_057A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O03.SEQ

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

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

Instrument Conditions:

Total number of peaks detected: 32



001665

BOE-C6-0157228

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	0	0.000	------	10.0	
5.77	C10-C11	0	0.000	------	10.0	
7.31	C12-C13	10048	0.234	------	10.0	
8.59	C14-C15	1256	0.026	------	10.0	
9.69	C16-C17	409	0.009	------	10.0	
10.72	C18-C19	150687	3.137	------	10.0	
12.02	C20-C23	128199	1.476	------	10.0	
13.53	C24-C27	9206	0.110	------	10.0	
14.82	C28-C31	488576	~~5.690~~ .1477	------	10.0	
15.90	C32-C35	11776	0.137	------	10.0	
16.99	C36-C39	24811	0.290	------	10.0	
19.29	C40+	0	0.000	------	10.0	
		824967	~~11.108~~ 5.566			

Group Report For : C8-C9 475892

No peaks available to report

Group Report For : C10-C11

No peaks available to report

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.32		10048	0.003	------	10.0	
		10048	0.003			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
.81		1256	0.000	------	10.0	
		1256	0.000			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.88		409	0.000	------	10.0	
		409	0.000			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.57		135959	0.034	------	10.0	
11.00		8382	0.002	------	10.0	
[illegible].09		6346	0.002	------	10.0	
		150687	0.038			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.77		608	0.000	------	10.0	
11.90		4412	0.001	------	10.0	
12.04		123178	0.031	------	10.0	
		128199	0.032			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
2.98		653	0.000	------	10.0	
13.10		374	9.350e-05	------	10.0	
13.25		1427	0.000	------	10.0	
13.48		756	0.000	------	10.0	
13.55		1814	0.000	------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
[illegible].88		1234	0.000	------	10.0	
14.15		272	6.800e-05	------	10.0	
14.23		2676	0.001	------	10.0	
		9206	0.002			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.39		909	0.000	------	10.0	
14.45		2655	0.001	------	10.0	
14.56		476580	0.119	------	10.0	
15.00		2351	0.001	------	10.0	
15.11		2191	0.001	------	10.0	
15.25		3687	0.001	------	10.0	
15.32		202	5.050e-05	------	10.0	
		488576	0.122			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.77		2314	0.001	------	10.0	
16.07		2446	0.001	------	10.0	
16.24		7016	0.002	------	10.0	
		11776	0.003			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.62		2924	0.001	------	10.0	
16.72		11731	0.003	------	10.0	
17.10		3735	0.001	------	10.0	
[illegible]7.18		4161	0.001	------	10.0	
[illegible]7.33		2260	0.001	------	10.0	
		24811	0.006			

Group Report For : C40+

N 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_01\003_057A.TX0

Software Version: 4.1<2F12>
Sample Name : 285-33 Time : 10/4/00 05:33 PM
Sample Number: Study : ICAL8/28/00
(rator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/4/00 05:12 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

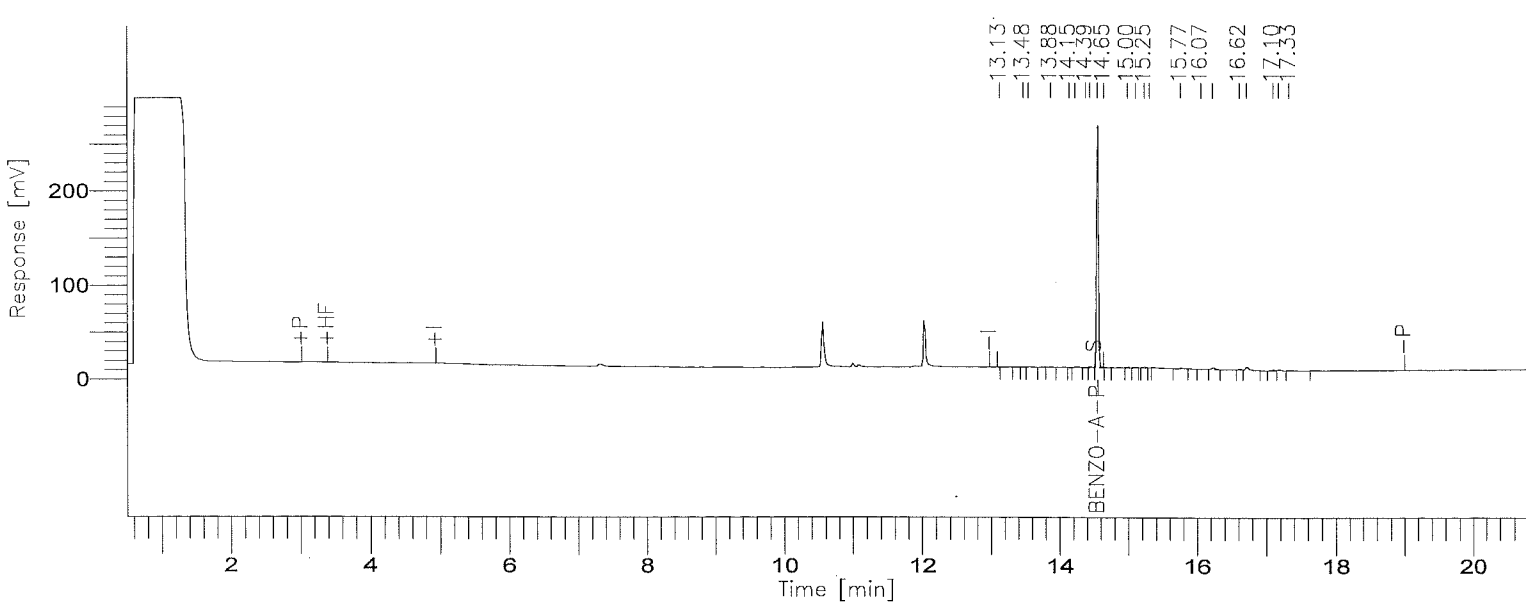
Raw Data File : C:\TC4\DATA_01\O03_057.RAW
Result File : C:\TC4\DATA_01\O03_057.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O03_057.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_01\O03.SEQ

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

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

Instrument Conditions:

Total number of peaks detected: 22



001670

BOE-C6-0157233

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.03	DIESEL C10-C24	0	0.000	------	10.0	
14.56	BENZO-A-PYRENE	475892	11.274	90.2	10.0	
		475892	11.274			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\003_057.TX0

Lot/Sample: E0I260285-034 C-2-6-5 TICs.....: N Report Results: Y
WO#.....: DL3HD-1-0M 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: 10/04/00
Inject Time..: 17:42 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: 003_058A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....: 9/26/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/05 10:10:45
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 9/27/00
QC Batch.....: 0271552
MS Run Number: 0271280
Prep Time....: 14:00-18:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1562-1SCS/250PPM/1ML

Total Solids.: .00

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

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	12.093	96.744		

Software Version: 4.1<2F12>
Sample Name : 285-34 Time : 10/5/00 08:41 AM
Sample Number: Study : ICAL8/28/00
(›rator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/4/00 05:42 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

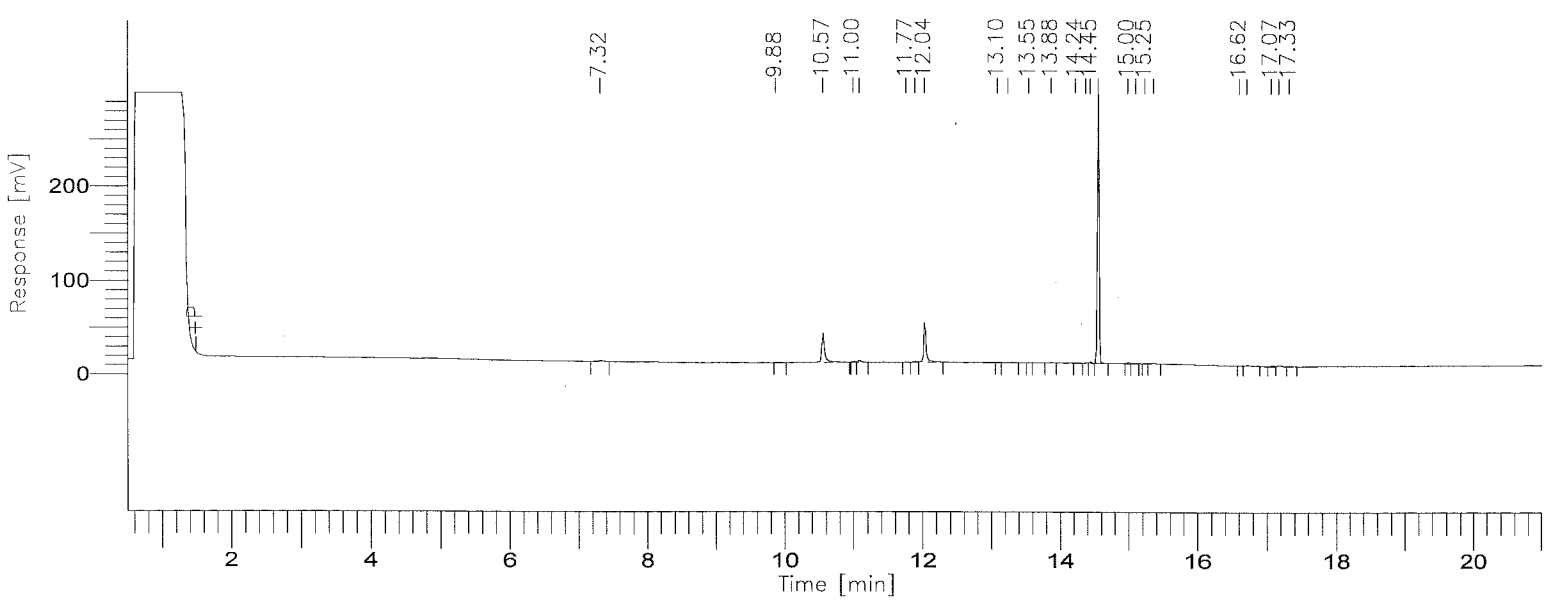
Raw Data File : C:\TC4\DATA_01\O03_058A.RAW
Result File : C:\TC4\DATA_01\O03_058A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O03_058A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O03.SEQ

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

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

Instrument Conditions:

Total number of peaks detected: 25



001673

BOE-C6-0157236

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	0	0.000	------	10.0	
5.77	C10-C11	0	0.000	------	10.0	
7.31	C12-C13	5892	0.137	------	10.0	
8.59	C14-C15	0	0.000	------	10.0	
9.69	C16-C17	168	0.004	------	10.0	
10.72	C18-C19	109486	2.279	------	10.0	
12.02	C20-C23	111040	1.279	------	10.0	
13.53	C24-C27	5295	0.063	------	10.0	
14.82	C28-C31	① 525329	1733 ~~6.118~~	------	10.0	
15.90	C32-C35	0	0.000	------	10.0	
16.99	C36-C39	15215	0.178	------	10.0	
19.29	C40+	0	0.000	------	10.0	
		772426	~~10.057~~ 4.112			

Group Report For : C8-C9

① -510451

No peaks available to report

Group Report For : C10-C11

No peaks available to report

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.32		5892	0.001	------	10.0	
		5892	0.001			

Group Report For : C14-C15

No peaks available to report

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.88		168	4.198e-05	------	10.0	
		168	4.198e-05			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.57		99784	0.025	------	10.0	
11.00		3576	0.001	------	10.0	
11.09		6126	0.002	------	10.0	
		109486	0.027			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.77		454	0.000	------	10.0	
11.90		4368	0.001	------	10.0	
12.04		106219	0.027	------	10.0	
		111040	0.028			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
13.10		315	7.878e-05	------	10.0	
13.25		1036	0.000	------	10.0	
13.55		396	9.900e-05	------	10.0	
13.88		967	0.000	------	10.0	
14.23		2581	0.001	------	10.0	
		5295	0.001			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.39		955	0.000	------	10.0	
14.45		2808	0.001	------	10.0	
14.56		510726	0.128	------	10.0	
15.00		2490	0.001	------	10.0	
15.11		2427	0.001	------	10.0	
15.25		2511	0.001	------	10.0	
15.37		3412	0.001	------	10.0	
		525329	0.131			

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
16.62		732	0.000	------	10.0	
16.72		3737	0.001	------	10.0	
17.07		3717	0.001	------	10.0	
17.18		4803	0.001	------	10.0	
17.33		2226	0.001	------	10.0	
		15215	0.004			

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_01\O03_058A.TX0

Software Version: 4.1<2F12>
Sample Name : 285-34 Time : 10/4/00 06:03 PM
Sample Number: Study : ICAL8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/4/00 05:42 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

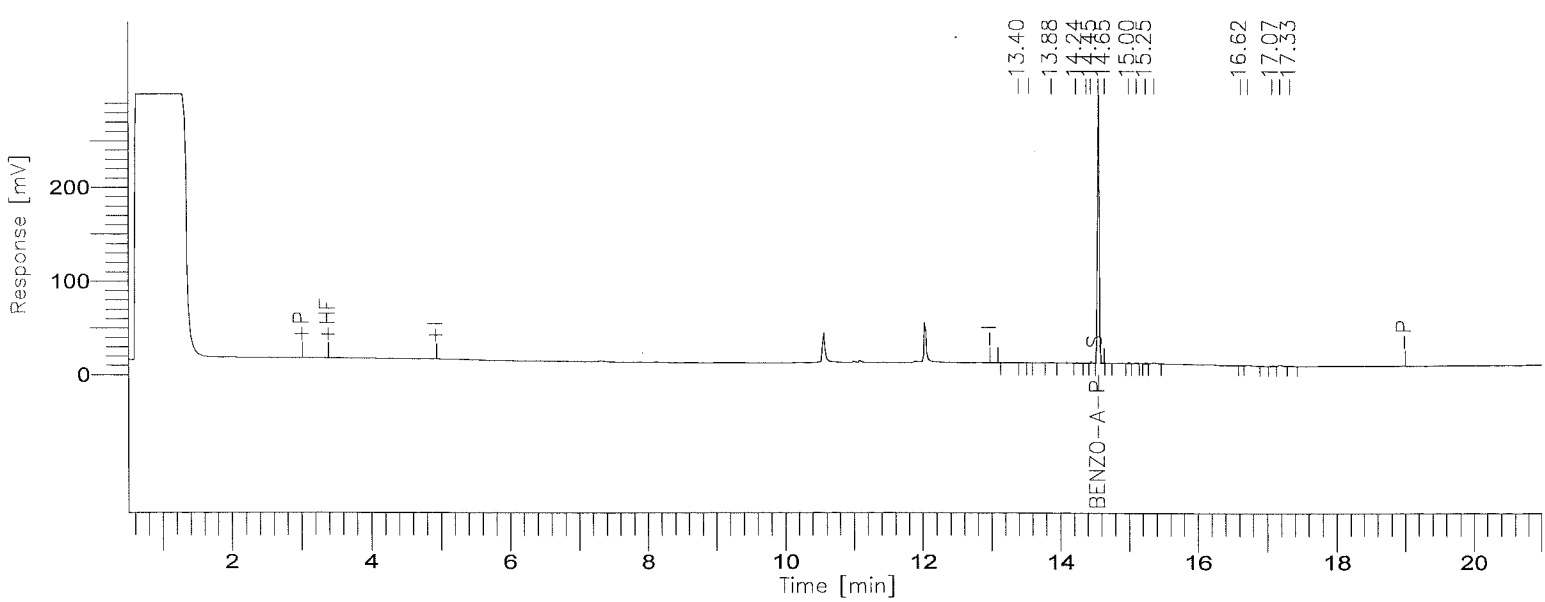
Raw Data File : C:\TC4\DATA_01\O03_058.RAW
Result File : C:\TC4\DATA_01\O03_058.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O03_058.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_01\O03.SEQ

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

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

Instrument Conditions:

Total number of peaks detected: 17



001678

BOE-C6-0157241

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.03	DIESEL C10-C24	0	0.000	------	10.0	
14.56	BENZO-A-PYRENE	510451	12.093	96.7	10.0	
		510451	12.093			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\003_058.TX0

Lot/Sample: E0I260285-035 C-2-7-1 TICs.....: N Report Results: Y
WO#.....: DL3HF-1-0M 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: 10/04/00
Inject Time..: 18:12 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O03_059A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....: 9/26/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/05 10:14:15
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 9/27/00
QC Batch.....: 0271552
MS Run Number: 0271280
Prep Time....: 14:00-18:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1562-1SCS/250PPM/1ML

Total Solids.: .00

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

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	11.421	91.368		

Software Version: 4.1<2F12>
Sample Name : 285-35 Time : 10/5/00 08:41 AM
Sample Number: Study : ICAL8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/4/00 06:12 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

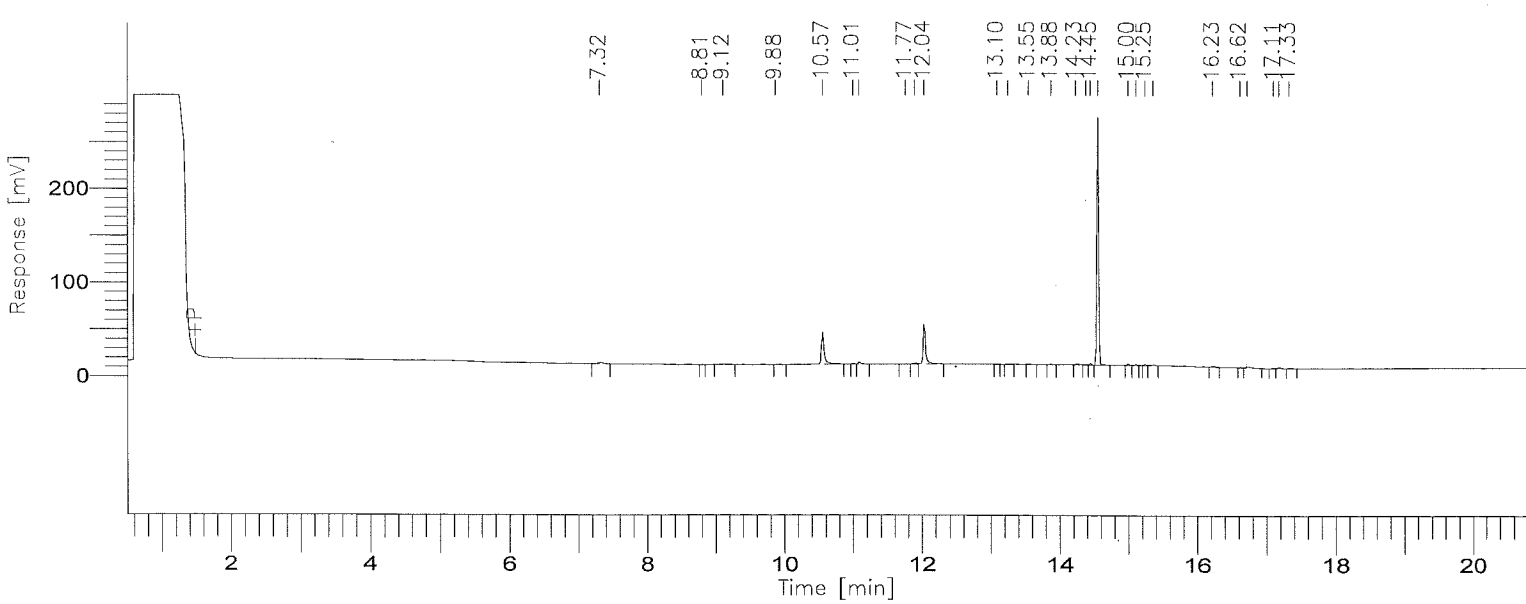
Raw Data File : C:\TC4\DATA_01\O03_059A.RAW
Result File : C:\TC4\DATA_01\O03_059A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O03_059A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O03.SEQ

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

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

Instrument Conditions:

Total number of peaks detected: 28



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	0	0.000	------	10.0	
5.77	C10-C11	0	0.000	------	10.0	
7.31	C12-C13	6335	0.148	------	10.0	
8.59	C14-C15	2272	0.047	------	10.0	
9.69	C16-C17	108	0.002	------	10.0	
10.72	C18-C19	106160	2.210	------	10.0	
12.02	C20-C23	112850	1.299	------	10.0	
13.53	C24-C27	5635	0.067	------	10.0	
14.82	C28-C31	1 496840	.1719 ~~5.786~~	------	10.0	
15.90	C32-C35	2536	0.029	------	10.0	
16.99	C36-C39	14960	0.175	------	10.0	
19.29	C40+	0	0.000	------	10.0	
		747695	~~9.764~~ 4.150			

Group Report For : C8-C9 1 -482082

No peaks available to report

Group Report For : C10-C11

No peaks available to report

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.32		6335	0.002	------	10.0	
		6335	0.002			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
[illegible].80		560	0.000	------	10.0	
9.12		1711	0.000	------	10.0	
		2272	0.001			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.88		108	2.705e-05	------	10.0	
		108	2.705e-05			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
[illegible].57		97380	0.024	------	10.0	
[illegible].00		2340	0.001	------	10.0	
11.09		6440	0.002	------	10.0	
		106160	0.027			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.77		713	0.000	------	10.0	
11.90		4505	0.001	------	10.0	
12.04		107633	0.027	------	10.0	
		112850	0.028			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
13.10		386	9.662e-05	------	10.0	
13.25		1237	0.000	------	10.0	
13.55		708	0.000	------	10.0	
13.88		884	0.000	------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.23		2420	0.001	------	10.0	
		5635	0.001			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.39		1075	0.000	------	10.0	
14.45		2649	0.001	------	10.0	
14.56		482694	0.121	------	10.0	
15.00		2358	0.001	------	10.0	
15.11		2300	0.001	------	10.0	
15.25		2720	0.001	------	10.0	
15.37		3044	0.001	------	10.0	
		496840	0.124			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.23		2536	0.001	------	10.0	
		2536	0.001			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.62		1049	0.000	------	10.0	
16.72		5925	0.001	------	10.0	
17.11		1478	0.000	------	10.0	
17.18		4382	0.001	------	10.0	
17.33		2125	0.001	------	10.0	
		14960	0.004			

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_01\003_059A.TX0

Software Version: 4.1<2F12>
Sample Name : 285-35 Time : 10/4/00 06:33 PM
Sample Number: Study : ICAL8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/4/00 06:12 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

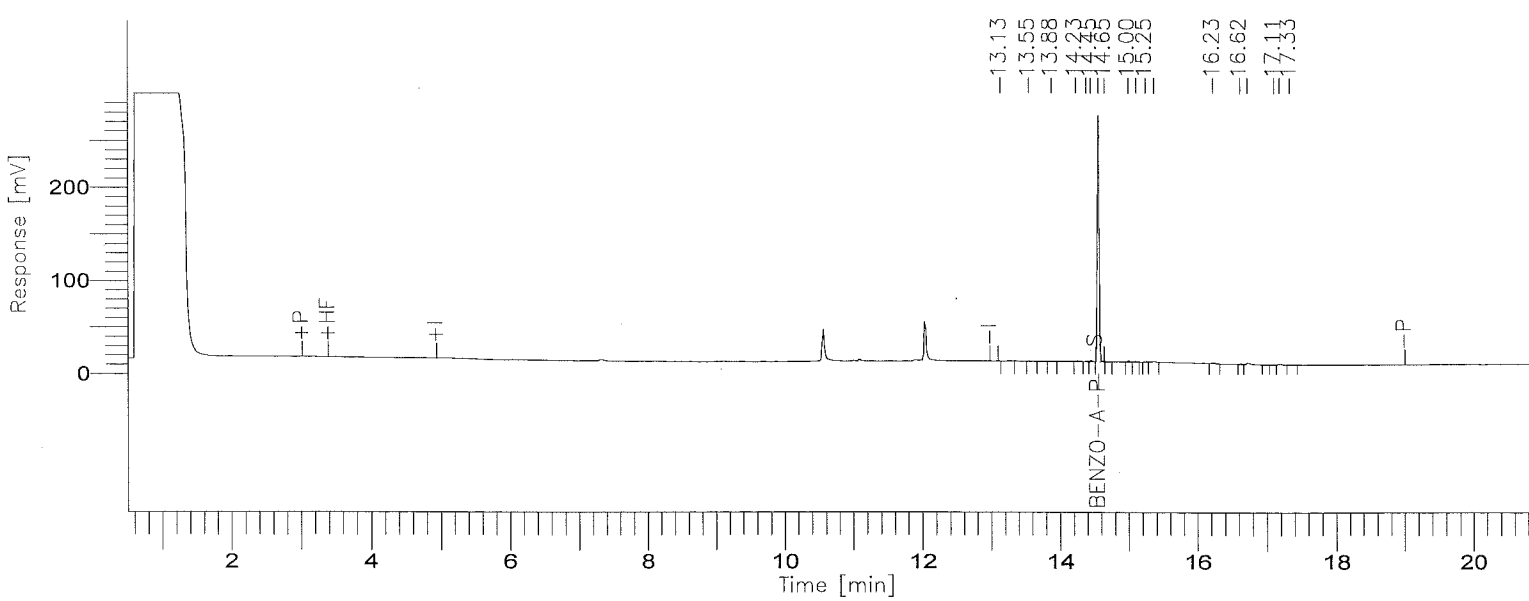
Raw Data File : C:\TC4\DATA_01\O03_059.RAW
Result File : C:\TC4\DATA_01\O03_059.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O03_059.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_01\O03.SEQ

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

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

Instrument Conditions:

Total number of peaks detected: 18



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.03	DIESEL C10-C24	0	0.000	------	10.0	
14.56	BENZO-A-PYRENE	482082	11.421	91.4	10.0	
		482082	11.421			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O03_059.TX0

INITIAL CALIBRATION DATA

Date Analyzed: 10-3-00

Instrument ID: GC1

C8 → C40T

Turbochrom Method File : C:\TC4\DATA_01\METHODS\C8-C40A.MTH <Modified>
Created by : ELVIE on : 6/8/00 12:53 PM
Edited by : ec on : 10/4/00 10:00 AM
Description :

Number of Times Edited : 32
Number of Times Calibrated : 589

ICAL 10-3-00

ALL AVG CF

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

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

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

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

Annotated Replot Parameters :
No replot will be printed

Report Format files :
No report format files given

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

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

Component Information :
C8-C9

Component Type : Timed Group
Start Time : 1.957 min End Time : 4.935 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 250.000000
Value 2: 5.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 30.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	98942.00	20976.93	----------	----------	1
2	20.0000	181282.00	37531.86	----------	----------	1
3	30.0000	314824.00	65619.88	----------	----------	1
4	40.0000	420877.00	85133.87	----------	----------	1
5	50.0000	499248.00	102748.16	----------	----------	1

Average Calibration Factor = 9991.863667 (%RSD = 5.93)

C10-C11
Component Type : Timed Group
Start Time : 4.936 min End Time : 6.607 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 250.000000
Value 2: 5.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 30.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	104746.00	34392.64	----------	----------	1
2	20.0000	191191.38	60962.83	----------	----------	1
3	30.0000	331740.00	100901.38	----------	----------	1
4	40.0000	443619.70	132979.35	----------	----------	1
5	50.0000	528720.50	149845.42	----------	----------	1

Average Calibration Factor = 10551.414346 (%RSD = 5.88)

C12-C13
Component Type : Timed Group
Start Time : 6.608 min End Time : 8.021 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 250.000000
Value 2: 5.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 30.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	110266.00	49885.54	----------	----------	1
2	20.0000	193761.27	82016.59	----------	----------	1

3	30.0000	333534.97	151395.93	----------	----------	1
4	40.0000	448041.99	196026.43	----------	----------	1
5	50.0000	531098.96	212299.79	----------	----------	1

Average Calibration Factor = 10731.104958 (%RSD = 5.81)

C14-C15

Component Type : Timed Group
Start Time : 8.022 min End Time : 9.151 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 250.000000
Value 2: 5.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 30.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	150365.50	56818.65	----------	----------	1
2	20.0000	218824.35	104560.13	----------	----------	1
3	30.0000	355440.23	181276.09	----------	----------	1
4	40.0000	462324.60	230294.14	----------	----------	1
5	50.0000	542272.36	257979.20	----------	----------	1

Average Calibration Factor = 12045.867437 (%RSD = 14.31)

C16-C17

Component Type : Timed Group
Start Time : 9.152 min End Time : 10.231 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 250.000000
Value 2: 5.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 30.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	112854.50	64028.09	----------	----------	1
2	20.0000	190749.20	112897.43	----------	----------	1
3	30.0000	330558.30	189891.03	----------	----------	1
4	40.0000	459089.70	244401.96	----------	----------	1
5	50.0000	539937.28	279018.73	----------	----------	1

Average Calibration Factor = 10823.501644 (%RSD = 7.06)

C18-C19

Component Type : Timed Group
Start Time : 10.232 min End Time : 11.208 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 250.000000
Value 2: 5.000000
Value 3: 0.000000

Value 4: 0.000000
Value 5: 30.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	151176.00	80086.96	----------	----------	1
2	20.0000	215221.80	120773.02	----------	----------	1
3	30.0000	352871.50	189396.26	----------	----------	1
4	40.0000	461316.00	235650.36	----------	----------	1
5	50.0000	543630.90	269400.10	----------	----------	1

Average Calibration Factor = 12009.318282 (%RSD = 14.90)

C20-C23

Component Type : Timed Group
Start Time : 11.209 min End Time : 12.826 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 250.000000
Value 2: 5.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 30.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	239776.61	124095.51	----------	----------	1
2	20.0000	389112.00	212507.34	----------	----------	1
3	30.0000	657391.50	364652.88	----------	----------	1
4	40.0000	887047.50	508553.47	----------	----------	1
5	50.0000	1052064.00	610875.15	----------	----------	1

Average Calibration Factor = 21712.755605 (%RSD = 7.61)

C24-C27

Component Type : Timed Group
Start Time : 12.827 min End Time : 14.240 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 250.000000
Value 2: 5.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 30.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	212010.89	119498.53	----------	----------	1
2	20.0000	369377.00	203971.43	----------	----------	1
3	30.0000	656313.50	351026.98	----------	----------	1
4	40.0000	889214.50	472726.38	----------	----------	1
5	50.0000	1058488.00	566065.73	----------	----------	1

Average Calibration Factor = 20989.435728 (%RSD = 7.05)

C28-C31

Component Type : Timed Group
Start Time : 14.241 min End Time : 15.397 min
Reference Component:

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

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	226569.00	115504.35	----------	----------	1
2	20.0000	379511.00	192383.60	----------	----------	1
3	30.0000	661454.00	338948.30	----------	----------	1
4	40.0000	894571.00	466021.08	----------	----------	1
5	50.0000	1064732.00	567732.02	----------	----------	1

Average Calibration Factor = 21467.966333 (%RSD = 6.91)

C32-C35
Component Type : Timed Group
Start Time : 15.398 min End Time : 16.398 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 250.000000
Value 2: 5.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 30.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	227906.79	122057.86	----------	----------	1
2	20.0000	384509.87	224290.30	----------	----------	1
3	30.0000	663450.00	389173.28	----------	----------	1
4	40.0000	891252.50	529120.62	----------	----------	1
5	50.0000	1061257.50	636964.70	----------	----------	1

Average Calibration Factor = 21527.526898 (%RSD = 6.53)

C36-C39
Component Type : Timed Group
Start Time : 16.399 min End Time : 17.580 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 250.000000
Value 2: 5.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 30.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	225067.21	101651.75	----------	----------	1
2	20.0000	393223.63	192977.38	----------	----------	1
3	30.0000	656936.00	326906.93	----------	----------	1
4	40.0000	879493.00	440446.22	----------	----------	1
5	50.0000	1051892.50	530395.23	----------	----------	1

Average Calibration Factor = 21418.188935 (%RSD = 5.20)

C40+

Component Type : Timed Group
Start Time : 17.581 min End Time : 21.000 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 250.000000
Value 2: 5.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 30.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	103852.50	39580.28	----------	----------	1
2	20.0000	191119.00	74937.86	----------	----------	1
3	30.0000	320957.50	128162.59	----------	----------	1
4	40.0000	428857.00	172389.14	----------	----------	1
5	50.0000	513060.00	205176.18	----------	----------	1

Average Calibration Factor = 10324.481667 (%RSD = 4.58)

Software Version: 4.1<2F12>
Date: 10/4/00 09:57 AM
Sample Name : #TEPH00-165 RT MARKER
Data File : C:\TC4\DATA_01\003_019.RAW Date: 10/3/00 09:06 PM
S ıence File: C:\TC4\DATA_01\003.SEQ Cycle: 19 Channel : A
Instrument : GC-FID-01 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

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

Component	Retn Time	Vol Adj Amount	Adjusted Response	Calibration Factor	%RSD Time	# Reps	%RSD Amt	%RSD Resp	# Reps	CLT Code
C8-C9	3.446	10.00000	98942.000000	9894.200000	------	1	------	------	1	0
C10-C11	5.771	10.00000	104746.000000	10474.600000	------	1	------	------	1	0
C12-C13	7.314	10.00000	110266.000000	11026.600000	------	1	------	------	1	0
C14-C15	8.586	10.00000	150365.500000	15036.550000	------	1	------	------	1	0
C16-C17	9.691	10.00000	112854.500000	11285.450000	------	1	------	------	1	0
C18-C19	10.720	10.00000	151176.000000	15117.600000	------	1	------	------	1	0
C20-C23	12.018	10.00000	239776.605263	23977.660526	------	1	------	------	1	0
C24-C27	13.534	10.00000	212010.894737	21201.089474	------	1	------	------	1	0
C28-C31	14.819	10.00000	226569.000000	22656.900000	------	1	------	------	1	0
C32-C35	15.898	10.00000	227906.785714	22790.678571	------	1	------	------	1	0
C36-C39	16.989	10.00000	225067.214286	22506.721429	------	1	------	------	1	0
C40+	19.290	10.00000	103852.500000	10385.250000	------	1	------	------	1	0

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

Calibration Status:

Component	C0	C1	C2	C3	r^2	Status
C8-C9	0.000000	9991.863667	----------	----------	--------	9
C10-C11	0.000000	10551.414346	----------	----------	--------	9
C12-C13	0.000000	10731.104958	----------	----------	--------	9
C14-C15	0.000000	12090.393179	----------	----------	--------	9
C16-C17	0.000000	10778.975901	----------	----------	--------	9
C18-C19	0.000000	12009.318282	----------	----------	--------	9
C20-C23	0.000000	21712.755605	----------	----------	--------	9
C24-C27	0.000000	20988.613228	----------	----------	--------	9
C28-C31	0.000000	29951.450620	----------	----------	--------	9
C32-C35	0.000000	13044.042611	----------	----------	--------	9
C36-C39	0.000000	21418.188935	----------	----------	--------	9
C40+	0.000000	10324.481667	----------	----------	--------	9

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

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

Software Version: 4.1<2F12>
Sample Name : #TEPH00-165 RT MARKER
Sample Number: 10 PPM
Operator :

Time : 10/4/00 09:57 AM
Study : ICAL10/03/00

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

Channel : A A/D mV Range : 1000

Interface Serial # : 2136574898 Data Acquisition Time: 10/3/00 09:06 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_01\O03_019.RAW
Result File : C:\TC4\DATA_01\O03_019.RST
Inst Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\O03_019.RS
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O03.SEQ

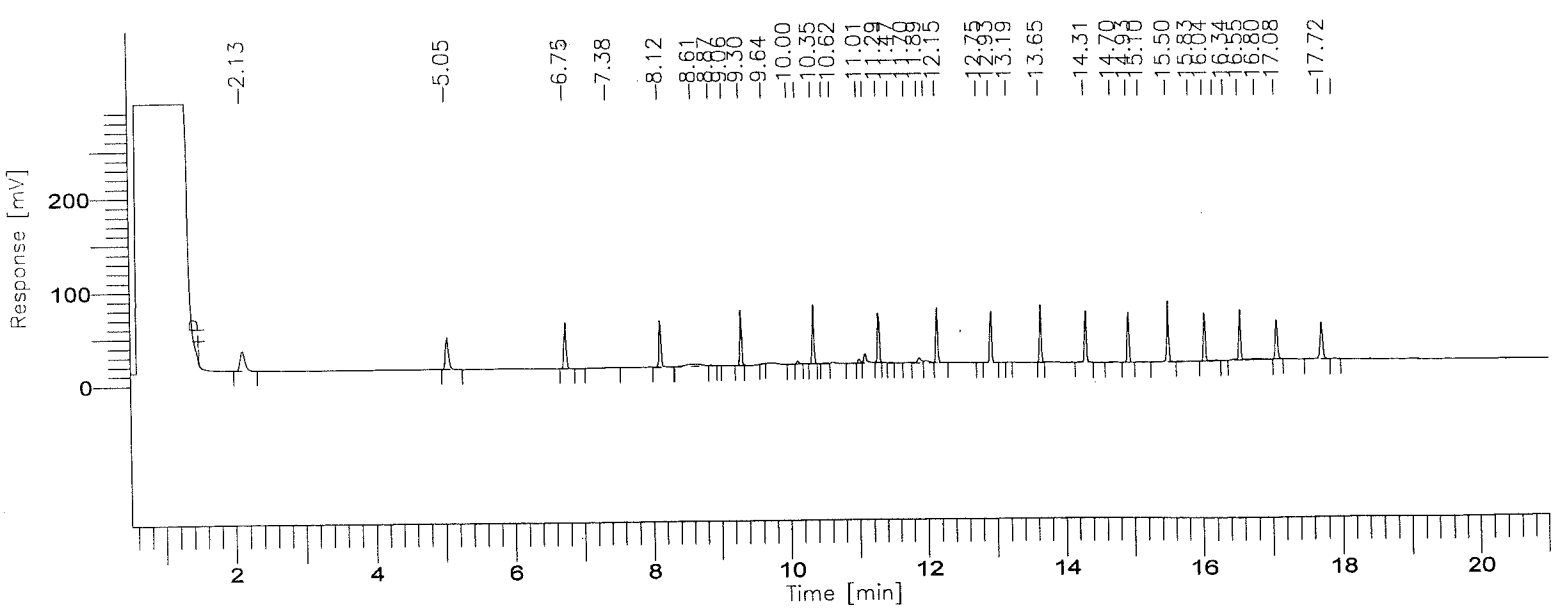
Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

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

Instrument Conditions:

Total number of peaks detected: 41



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	98942	9.902	------	10.0	
5.77	C10-C11	104746	9.927	------	10.0	
7.31	C12-C13	110266	10.275	------	10.0	
8.59	C14-C15	150365	12.437	------	10.0	
9.69	C16-C17	112854	10.470	------	10.0	
10.72	C18-C19	151176	12.588	------	10.0	
12.02	C20-C23	239777	11.043	------	10.0	
13.53	C24-C27	212011	10.101	------	10.0	
14.82	C28-C31	226569	7.565	------	10.0	
15.90	C32-C35	227907	17.472	------	10.0	
16.99	C36-C39	225067	10.508	------	10.0	
19.29	C40+	103853	10.059	------	10.0	
		1963533	132.348			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
2.12		98942	0.099	------	10.0	
		98942	0.099			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.05		104746	0.105	------	10.0	
		104746	0.105			

roup Report For : C12-C13

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

6.75		104602	0.105	------	10.0
7.38		5664	0.006	------	10.0
		110266	0.110		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.12		105551	0.106	------	10.0	
8.61		39568	0.040	------	10.0	
8.87		3185	0.003	------	10.0	
9.06		2062	0.002	------	10.0	
		150365	0.150			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.30		102360	0.102	------	10.0	
.64		1442	0.001	------	10.0	
10.00		1275	0.001	------	10.0	
10.12		7777	0.008	------	10.0	
		112854	0.113			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.35		102807	0.103	------	10.0	
10.50		2274	0.002	------	10.0	
10.62		6043	0.006	------	10.0	
11.01		11029	0.011	------	10.0	
11.09		29023	0.029	------	10.0	
		151176	0.151			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.29		103326	0.103	------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
1 47		887	0.001	------	10.0	
11.70		527	0.001	------	10.0	
11.89		18802	0.019	------	10.0	
11.99		10069	0.010	------	10.0	
12.15		105705	0.106	------	10.0	
12.75		461	0.000	------	10.0	
		239777	0.240			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.93		105200	0.105	------	10.0	
13.18		1114	0.001	------	10.0	
13.65		105697	0.106	------	10.0	
		212011	0.212			

oup Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.31		110966	0.111	------	10.0	
14.70		4854	0.005	------	10.0	
14.93		106548	0.107	------	10.0	
15.10		4201	0.004	------	10.0	
		226569	0.227			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.50		111715	0.112	------	10.0	
15.83		5262	0.005	------	10.0	
16.04		102405	0.102	------	10.0	
16.19		6715	0.007	------	10.0	
16.34		1809	0.002	------	10.0	
		227907	0.228			

Group Report For : C36-C39

Time n]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.55		110363	0.110	------	10.0	
16.80		16677	0.017	------	10.0	
17.07		98027	0.098	------	10.0	
		225067	0.225			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.72		101619	0.102	------	10.0	
17.89		2234	0.002	------	10.0	
		103853	0.104			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\003_019.TX0

Software Version: 4.1<2F12>
Date: 10/4/00 09:57 AM
Sample Name : #TEPH00-166 RT MARKER
Data File : C:\TC4\DATA_01\003_020.RAW Date: 10/3/00 09:36 PM
Sequence File: C:\TC4\DATA_01\003.SEQ Cycle: 20 Channel : A
Instrument : GC-FID-01 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

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

Component	Retn Time	Vol Adj Amount	Adjusted Response	Calibration Factor	%RSD Time	# Reps	%RSD Amt	%RSD Resp	# Reps	CLT Code
C8-C9	3.446	20.00000	181282.000000	9064.100000	0.00	2	------	------	1	0
C10-C11	5.771	20.00000	191191.384615	9559.569231	0.00	2	------	------	1	0
C12-C13	7.314	20.00000	193761.267559	9688.063378	0.00	2	------	------	1	0
C14-C15	8.586	20.00000	218824.347826	10941.217391	0.00	2	------	------	1	0
C16-C17	9.691	20.00000	190749.200000	9537.460000	0.00	2	------	------	1	0
C18-C19	10.720	20.00000	215221.800000	10761.090000	0.00	2	------	------	1	0
C20-C23	12.018	20.00000	389112.000000	19455.600000	0.00	2	------	------	1	0
-C27	13.534	20.00000	369377.000000	18468.850000	0.00	2	------	------	1	0
-C31	14.819	20.00000	379511.000000	18975.550000	0.00	2	------	------	1	0
C32-C35	15.898	20.00000	384509.868421	19225.493421	0.00	2	------	------	1	0
C36-C39	16.989	20.00000	393223.631579	19661.181579	0.00	2	------	------	1	0
C40+	19.290	20.00000	191119.000000	9555.950000	0.00	2	------	------	1	0

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

Calibration Status:

Component	C0	C1	C2	C3	r^2	Status
C8-C9	0.000000	9991.863667	----------	----------	--------	9
C10-C11	0.000000	10551.414346	----------	----------	--------	9
C12-C13	0.000000	10731.104958	----------	----------	--------	9
C14-C15	0.000000	12090.393179	----------	----------	--------	9
C16-C17	0.000000	10778.975901	----------	----------	--------	9
C18-C19	0.000000	12009.318282	----------	----------	--------	9
C20-C23	0.000000	21712.755605	----------	----------	--------	9
C24-C27	0.000000	20988.613228	----------	----------	--------	9
C28-C31	0.000000	28051.585620	----------	----------	--------	9
C32-C35	0.000000	14943.907611	----------	----------	--------	9
36-C39	0.000000	21418.188935	----------	----------	--------	9
40+	0.000000	10324.481667	----------	----------	--------	9

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

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

Software Version: 4.1<2F12>
Sample Name : #TEPH00-166 RT MARKER
Sample Number: 20 PPM
Operator :

Time : 10/4/00 09:58 AM
Study : ICAL10/03/00

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

Channel : A A/D mV Range : 1000

Interface Serial # : 2136574898 Data Acquisition Time: 10/3/00 09:36 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_01\O03_020.RAW
Result File : C:\TC4\DATA_01\O03_020.RST
Inst Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\O03_020.RS
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O03.SEQ

Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

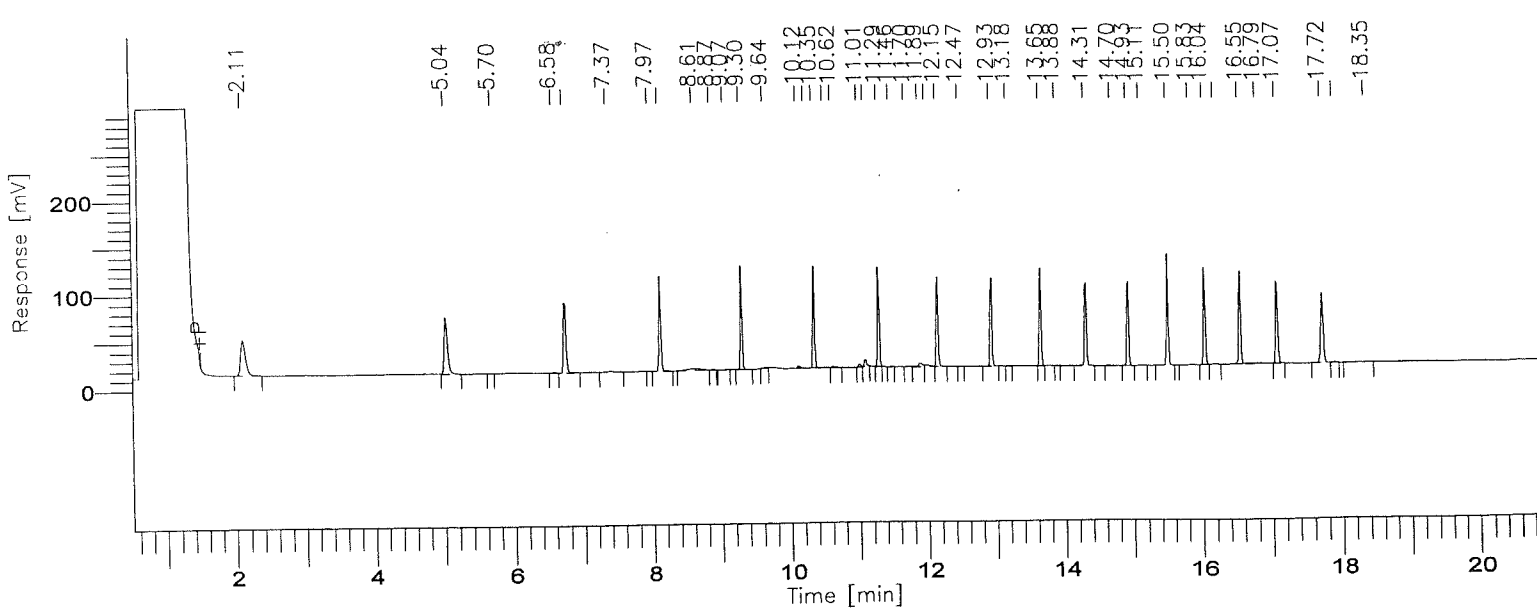
Noise Threshold: 50
Multiplier : 1.0000
User1 : TPHDA
User3 :
User5 :

Area Threshold : 200
Divisor : 1.0000
User2 :
User4 :

Bunch Factor: 1
Addend : 0.0000

Instrument Conditions:

Total number of peaks detected: 45



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8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	181282	18.143	------	10.0	
5.77	C10-C11	191191	18.120	------	10.0	
7.31	C12-C13	193761	18.056	------	10.0	
8.59	C14-C15	218824	18.099	------	10.0	
9.69	C16-C17	190749	17.696	------	10.0	
10.72	C18-C19	215222	17.921	------	10.0	
12.02	C20-C23	389112	17.921	------	10.0	
13.53	C24-C27	369377	17.599	------	10.0	
14.82	C28-C31	379511	13.529	------	10.0	
15.90	C32-C35	384510	25.730	------	10.0	
16.99	C36-C39	393224	18.359	------	10.0	
19.29	C40+	191119	18.511	------	10.0	
		3297882	219.685			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
2.11		181282	0.181	------	10.0	
		181282	0.181			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.04		189332	0.189	------	10.0	
5.70		203	0.000	------	10.0	
6.58		1656	0.002	------	10.0	
		191191	0.191			

Group Report For : C12-C13

Time	Component	Area	Final Results	% SURR	REP. LIMIT	FN

[min]	Name	[µV·s]	(ppm)	REC	mg/kg
6 74		187743	0.188	------	10.0
37		4956	0.005	------	10.0
7.97		1063	0.001	------	10.0
		193761	0.194		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.12		185237	0.185	------	10.0	
8.61		30042	0.030	------	10.0	
8.87		2322	0.002	------	10.0	
9.07		1223	0.001	------	10.0	
		218824	0.219			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.30		181367	0.181	------	10.0	
9.64		2049	0.002	------	10.0	
10.12		6429	0.006	------	10.0	
10.23		904	0.001	------	10.0	
		190749	0.191			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.35		181663	0.182	------	10.0	
10.51		4127	0.004	------	10.0	
10.62		4432	0.004	------	10.0	
11.01		7349	0.007	------	10.0	
11.09		17651	0.018	------	10.0	
		215222	0.215			

Group Report For : C20-C23

Time	Component	Area	Final Results	% SURR	REP. LIMIT	FN

[min]	Name	[µV·s]	(ppm)	REC	mg/kg
11.29		181508	0.182	------	10.0
11.46		560	0.001	------	10.0
11.70		563	0.001	------	10.0
11.89		14696	0.015	------	10.0
11.98		8022	0.008	------	10.0
12.15		183309	0.183	------	10.0
12.47		454	0.000	------	10.0
		389112	0.389		

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.93		183241	0.183	------	10.0	
13.17		829	0.001	------	10.0	
13.65		184925	0.185	------	10.0	
13.88		382	0.000	------	10.0	
		369377	0.369			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.31		188779	0.189	------	10.0	
14.70		3774	0.004	------	10.0	
14.93		184718	0.185	------	10.0	
15.11		2240	0.002	------	10.0	
		379511	0.380			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.50		189986	0.190	------	10.0	
15.83		3581	0.004	------	10.0	
16.04		186422	0.186	------	10.0	
16.19		4521	0.005	------	10.0	
		384510	0.385			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.55		194622	0.195	------	10.0	
16.79		8207	0.008	------	10.0	
17.07		190395	0.190	------	10.0	
		393224	0.393			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.72		183916	0.184	------	10.0	
17.89		2692	0.003	------	10.0	
18.35		4511	0.005	------	10.0	
		191119	0.191			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\003_020.TX0

Software Version: 4.1<2F12>
Date: 10/4/00 09:58 AM
Sample Name : #TEPH00 167 RT MARKER
Data File : C:\TC4\DATA_01\003_021.RAW Date: 10/3/00 10:06 PM
Sequence File: C:\TC4\DATA_01\003.SEQ Cycle: 21 Channel : A
Instrument : GC-FID-01 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

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

Component	Retn Time	Vol Adj Amount	Adjusted Response	Calibration Factor	%RSD Time	# Reps	%RSD Amt	%RSD Resp	# Reps	CLT Code
C8-C9	3.446	30.00000	314824.000000	10494.133333	0.00	3	------	------	1	0
C10-C11	5.771	30.00000	331740.000000	11058.000000	0.00	3	------	------	1	0
C12-C13	7.314	30.00000	333534.972222	11117.832407	0.00	3	------	------	1	0
C14-C15	8.586	30.00000	355440.229270	11848.007642	0.00	3	------	------	1	0
C16-C17	9.691	30.00000	330558.298507	11018.609950	0.00	3	------	------	1	0
C18-C19	10.720	30.00000	352871.500000	11762.383333	0.00	3	------	------	1	0
C20-C23	12.018	30.00000	657391.500000	21913.050000	0.00	3	------	------	1	0
C27	13.533	30.00000	656313.500000	21877.116667	0.00	3	------	------	1	0
-C31	14.819	30.00000	661454.000000	22048.466667	0.00	3	------	------	1	0
C32-C35	15.898	30.00000	663450.000000	22115.000000	0.00	3	------	------	1	0
C36-C39	16.989	30.00000	656936.000000	21897.866667	0.00	3	------	------	1	0
C40+	19.290	30.00000	320957.500000	10698.583333	0.00	3	------	------	1	0

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

Calibration Status:

Component	C0	C1	C2	C3	r^2	Status
C8-C9	0.000000	9991.863667	----------	----------	--------	9
C10-C11	0.000000	10551.414346	----------	----------	--------	9
C12-C13	0.000000	10731.104958	----------	----------	--------	9
C14-C15	0.000000	12075.197309	----------	----------	--------	9
C16-C17	0.000000	10794.171772	----------	----------	--------	9
C18-C19	0.000000	12009.318282	----------	----------	--------	9
C20-C23	0.000000	21712.755605	----------	----------	--------	9
C24-C27	0.000000	20988.613228	----------	----------	--------	9
C28-C31	0.000000	25839.788143	----------	----------	--------	9
C32-C35	0.000000	17155.705089	----------	----------	--------	9
36-C39	0.000000	21418.188935	----------	----------	--------	9
0+	0.000000	10324.481667	----------	----------	--------	9

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

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

Software Version: 4.1<2F12>
Sample Name : #TEPH00 167 RT MARKER
Sample Number: 30 PPM
Operator :

Time : 10/4/00 09:58 AM
Study : ICAL10/03/00

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

Channel : A A/D mV Range : 1000

Interface Serial # : 2136574898 Data Acquisition Time: 10/3/00 10:06 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_01\O03_021.RAW
Result File : C:\TC4\DATA_01\O03_021.RST
Inst Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\O03_021.RS
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O03.SEQ

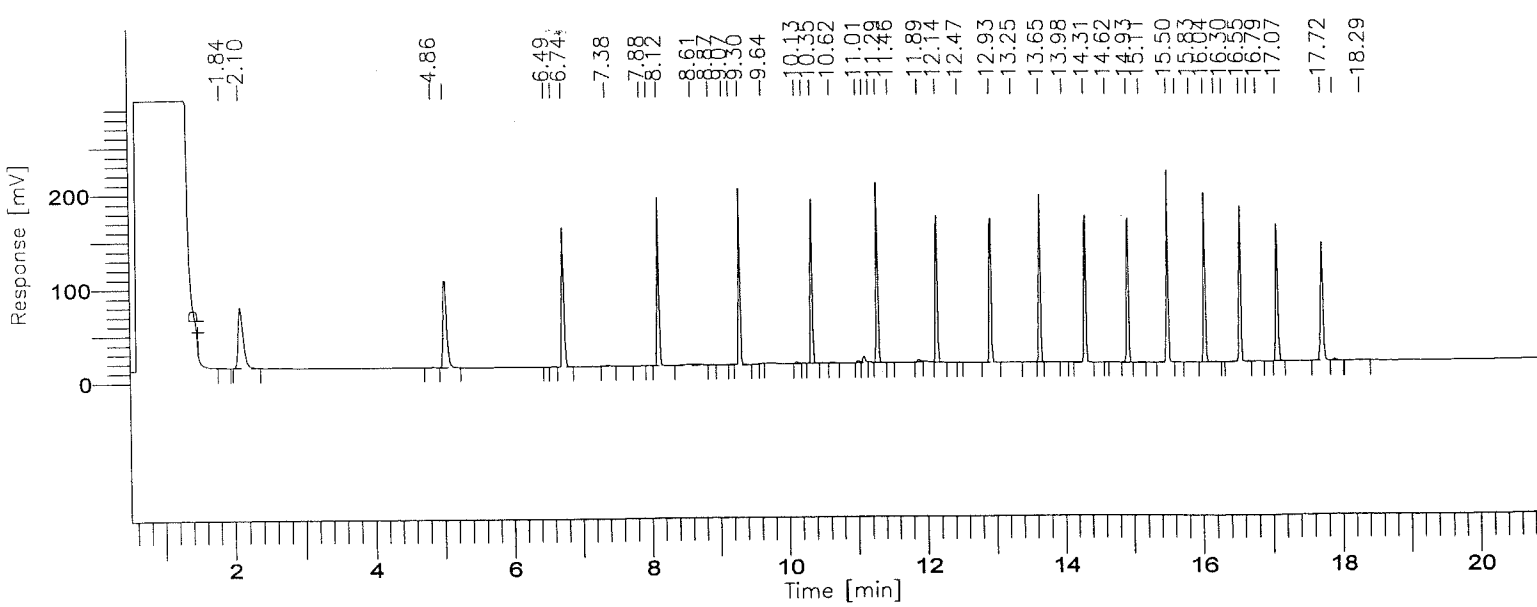
Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

Noise Threshold: 50
Area Threshold : 200
Bunch Factor: 1
Multiplier : 1.0000
Divisor : 1.0000
Addend : 0.0000
er1 : TPHDA
User2 :
User3 :
User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 50



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	314824	31.508	------	10.0	
5.77	C10-C11	331740	31.440	------	10.0	
7.31	C12-C13	333535	31.081	------	10.0	
8.59	C14-C15	355440	29.436	------	10.0	
9.69	C16-C17	330558	30.624	------	10.0	
10.72	C18-C19	352872	29.383	------	10.0	
12.02	C20-C23	657392	30.277	------	10.0	
13.53	C24-C27	656314	31.270	------	10.0	
14.82	C28-C31	661454	25.598	------	10.0	
15.90	C32-C35	663450	38.672	------	10.0	
16.99	C36-C39	656936	30.672	------	10.0	
19.29	C40+	320958	31.087	------	10.0	
		5635472	371.048			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
2.10		313084	0.313	------	10.0	
4.86		1739	0.002	------	10.0	
		314824	0.315			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.02		329192	0.329	------	10.0	
6.49		482	0.000	------	10.0	
6.59		2066	0.002	------	10.0	
		331740	0.332			

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
74		325176	0.325	------	10.0	
7.38		3985	0.004	------	10.0	
7.88		1679	0.002	------	10.0	
7.98		2695	0.003	------	10.0	
		333535	0.334			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.12		324219	0.324	------	10.0	
8.61		25299	0.025	------	10.0	
8.87		2631	0.003	------	10.0	
9.07		3291	0.003	------	10.0	
		355440	0.355			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.17		2279	0.002	------	10.0	
9.30		321720	0.322	------	10.0	
9.64		764	0.001	------	10.0	
10.12		4887	0.005	------	10.0	
10.23		908	0.001	------	10.0	
		330558	0.331			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.35		320989	0.321	------	10.0	
10.62		2448	0.002	------	10.0	
11.01		6906	0.007	------	10.0	
11.09		18434	0.018	------	10.0	
11.18		4094	0.004	------	10.0	
		352872	0.353			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.29		325676	0.326	------	10.0	
11.46		794	0.001	------	10.0	
11.89		7650	0.008	------	10.0	
12.14		322896	0.323	------	10.0	
12.47		376	0.000	------	10.0	
		657392	0.657			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.93		324592	0.325	------	10.0	
13.25		2602	0.003	------	10.0	
13.65		328711	0.329	------	10.0	
13.98		408	0.000	------	10.0	
		656314	0.656			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.31		331806	0.332	------	10.0	
14.62		489	0.000	------	10.0	
14.93		327474	0.327	------	10.0	
15.11		1685	0.002	------	10.0	
		661454	0.661			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.50		331770	0.332	------	10.0	
15.63		1261	0.001	------	10.0	
15.83		3038	0.003	------	10.0	
16.04		323007	0.323	------	10.0	
16.19		4087	0.004	------	10.0	
16.30		288	0.000	------	10.0	

	663450	0.663

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.55		326978	0.327	------	10.0	
16.66		3004	0.003	------	10.0	
16.79		3928	0.004	------	10.0	
17.07		323026	0.323	------	10.0	
		656936	0.657			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.72		312418	0.312	------	10.0	
17.89		5701	0.006	------	10.0	
18.29		2838	0.003	------	10.0	
		320958	0.321			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\003_021.TX0

Software Version: 4.1<2F12>
Date: 10/4/00 09:58 AM
Sample Name : #TEPH00-168 RT MARKER
Data File : C:\TC4\DATA_01\003_022.RAW Date: 10/3/00 10:36 PM
Sequence File: C:\TC4\DATA_01\003.SEQ Cycle: 22 Channel : A
Instrument : GC-FID-01 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

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

Component	Retn Time	Vol Adj Amount	Adjusted Response	Calibration Factor	%RSD Time	# Reps	%RSD Amt	%RSD Resp	# Reps	CLT Code
C8-C9	3.446	40.00000	420877.000000	10521.925000	0.00	4	------	------	1	0
C10-C11	5.771	40.00000	443619.700000	11090.492500	0.00	4	------	------	1	0
C12-C13	7.314	40.00000	448041.994444	11201.049861	0.00	4	------	------	1	0
C14-C15	8.586	40.00000	462324.601010	11558.115025	0.00	4	------	------	1	0
C16-C17	9.691	40.00000	459089.704545	11477.242614	0.00	4	------	------	1	0
C18-C19	10.720	40.00000	461316.000000	11532.900000	0.00	4	------	------	1	0
C20-C23	12.018	40.00000	887047.500000	22176.187500	0.00	4	------	------	1	0
C24-C27	13.534	40.00000	889214.500000	22230.362500	0.00	4	------	------	1	0
C28-C31	14.819	40.00000	894571.000000	22364.275000	0.00	4	------	------	1	0
C32-C35	15.898	40.00000	891252.500000	22281.312500	0.00	4	------	------	1	0
C36-C39	16.989	40.00000	879493.000000	21987.325000	0.00	4	------	------	1	0
C40+	19.290	40.00000	428857.000000	10721.425000	0.00	4	------	------	1	0

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

Calibration Status:

Component	C0	C1	C2	C3	r^2	Status
C8-C9	0.000000	9991.863667	----------	----------	--------	9
C10-C11	0.000000	10551.414346	----------	----------	--------	9
C12-C13	0.000000	10731.104958	----------	----------	--------	9
C14-C15	0.000000	12059.643407	----------	----------	--------	9
C16-C17	0.000000	10809.725674	----------	----------	--------	9
C18-C19	0.000000	12009.318282	----------	----------	--------	9
C20-C23	0.000000	21712.755605	----------	----------	--------	9
C24-C27	0.000000	20988.735728	----------	----------	--------	9
C28-C31	0.000000	23599.853857	----------	----------	--------	9
C32-C35	0.000000	19395.639375	----------	----------	--------	9
C36-C39	0.000000	21418.188935	----------	----------	--------	9
C40+	0.000000	10324.481667	----------	----------	--------	9

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

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

Software Version: 4.1<2F12>
Sample Name : #TEPH00-168 RT MARKER
Sample Number: 40 PPM
Operator :

Time : 10/4/00 09:58 AM
Study : ICAL10/03/00

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

Channel : A A/D mV Range : 1000

Interface Serial # : 2136574898 Data Acquisition Time: 10/3/00 10:36 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_01\O03_022.RAW
Result File : C:\TC4\DATA_01\O03_022.RST
Inst Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\O03_022.RS
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O03.SEQ

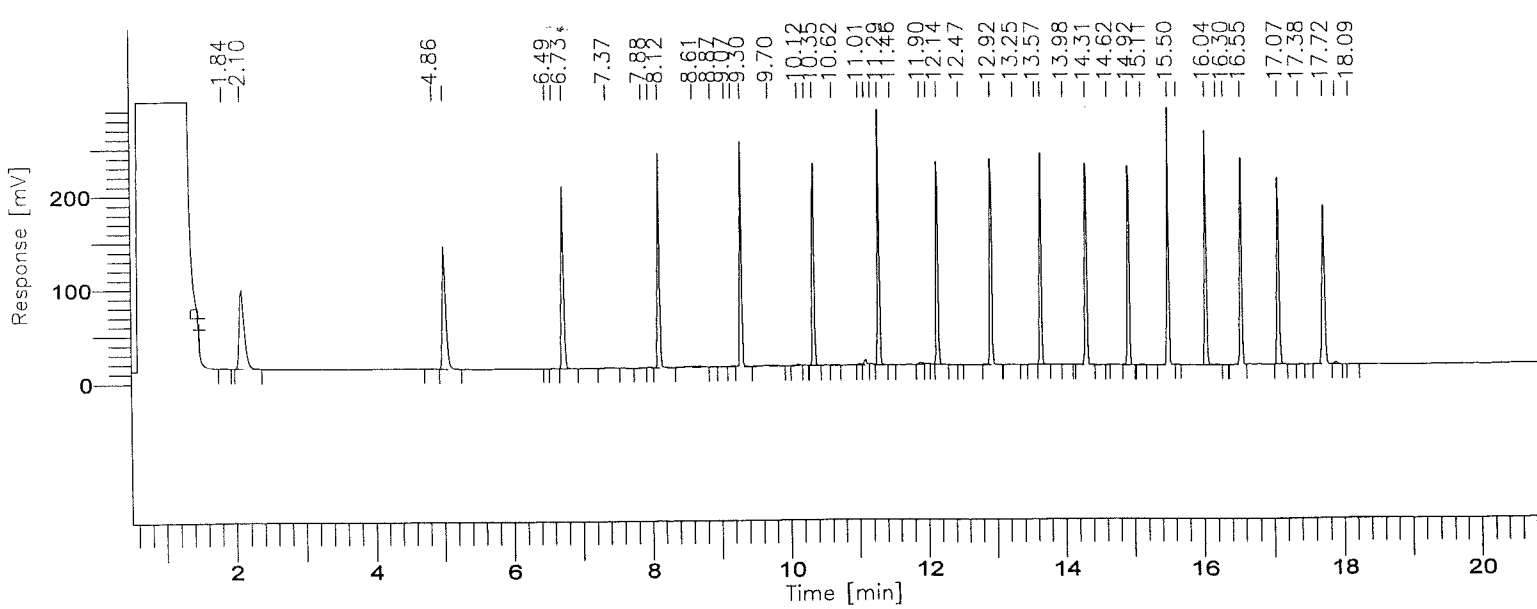
Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

Noise Threshold: 50
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: 50



001718

BOE-C6-0157281

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	420877	42.122	------	10.0	
5.77	C10-C11	443620	42.044	------	10.0	
7.31	C12-C13	448042	41.752	------	10.0	
8.59	C14-C15	462325	38.337	------	10.0	
9.69	C16-C17	459090	42.470	------	10.0	
10.72	C18-C19	461316	38.413	------	10.0	
12.02	C20-C23	887048	40.854	------	10.0	
13.53	C24-C27	889214	42.366	------	10.0	
14.82	C28-C31	894571	37.906	------	10.0	
15.90	C32-C35	891252	45.951	------	10.0	
16.99	C36-C39	879493	41.063	------	10.0	
19.29	C40+	428857	41.538	------	10.0	
		7565704	494.815			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
2.10		418860	0.419	------	10.0	
4.86		2017	0.002	------	10.0	
		420877	0.421			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.02		440068	0.440	------	10.0	
6.49		707	0.001	------	10.0	
6.58		2844	0.003	------	10.0	
		443620	0.444			

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
.73		437357	0.437	------	10.0	
7.36		5762	0.006	------	10.0	
7.88		1587	0.002	------	10.0	
7.98		3337	0.003	------	10.0	
		448042	0.448			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.12		437078	0.437	------	10.0	
8.61		21126	0.021	------	10.0	
8.87		1874	0.002	------	10.0	
9.07		2247	0.002	------	10.0	
		462325	0.462			

oup Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.17		3111	0.003	------	10.0	
9.30		435391	0.435	------	10.0	
9.70		15080	0.015	------	10.0	
10.12		4100	0.004	------	10.0	
10.23		1407	0.001	------	10.0	
		459090	0.459			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.34		435502	0.436	------	10.0	
10.62		2113	0.002	------	10.0	
11.01		5452	0.005	------	10.0	
1.09		14885	0.015	------	10.0	
11.18		3364	0.003	------	10.0	
		461316	0.461			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.28		438426	0.438	------	10.0	
11.46		468	0.000	------	10.0	
11.89		8168	0.008	------	10.0	
11.98		1970	0.002	------	10.0	
12.14		437617	0.438	------	10.0	
12.47		398	0.000	------	10.0	
		887048	0.887			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.92		439448	0.439	------	10.0	
13.25		1986	0.002	------	10.0	
13.57		566	0.001	------	10.0	
13.64		446632	0.447	------	10.0	
[illegible].98		583	0.001	------	10.0	
		889214	0.889			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.31		448145	0.448	------	10.0	
14.62		795	0.001	------	10.0	
14.92		444362	0.444	------	10.0	
15.11		1268	0.001	------	10.0	
		894571	0.895			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.50		447987	0.448	------	10.0	
15.63		974	0.001	------	10.0	
16.04		438327	0.438	------	10.0	
16.19		3504	0.004	------	10.0	
16.30		460	0.000	------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
		891252	0.891			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.54		439556	0.440	------	10.0	
17.07		439353	0.439	------	10.0	
17.38		584	0.001	------	10.0	
		879493	0.879			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
[illegible].72		421515	0.422	------	10.0	
[illegible].89		6803	0.007	------	10.0	
18.09		538	0.001	------	10.0	
		428857	0.429			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\003_022.TX0

Software Version: 4.1<2F12>
Date: 10/4/00 09:58 AM
Sample Name : #TEPH00-169 RT MARKER
Data File : C:\TC4\DATA_01\003_023.RAW Date: 10/3/00 11:06 PM
Sequence File: C:\TC4\DATA_01\003.SEQ Cycle: 23 Channel : A
Instrument : GC-FID-01 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

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

Component	Retn Time	Vol Adj Amount	Adjusted Response	Calibration Factor	%RSD Time	# Reps	%RSD Amt	%RSD Resp	# Reps	CLT Code
C8-C9	3.446	50.00000	499248.000000	9984.960000	0.00	5	------	------	1	0
C10-C11	5.771	50.00000	528720.500000	10574.410000	0.00	5	------	------	1	0
C12-C13	7.314	50.00000	531098.957143	10621.979143	0.00	5	------	------	1	0
C14-C15	8.586	50.00000	542272.356290	10845.447126	0.00	5	------	------	1	0
C16-C17	9.691	50.00000	539937.282721	10798.745654	0.00	5	------	------	1	0
C18-C19	10.720	50.00000	543630.903846	10872.618077	0.00	5	------	------	1	0
C20-C23	12.018	50.00000	1052064.000000	21041.280000	0.00	5	------	------	1	0
-C27	13.534	50.00000	1058488.000000	21169.760000	0.00	5	------	------	1	0
-C31	14.819	50.00000	1064732.000000	21294.640000	0.00	5	------	------	1	0
C32-C35	15.898	50.00000	1061257.500000	21225.150000	0.00	5	------	------	1	0
C36-C39	16.989	50.00000	1051892.500000	21037.850000	0.00	5	------	------	1	0
C40+	19.290	50.00000	513060.000000	10261.200000	0.00	5	------	------	1	0

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

Calibration Status:

Component	C0	C1	C2	C3	r^2	Status
C8-C9	0.000000	9991.863667	----------	----------	--------	9
C10-C11	0.000000	10551.414346	----------	----------	--------	9
C12-C13	0.000000	10731.104958	----------	----------	--------	9
C14-C15	0.000000	12045.867437	----------	----------	--------	9
C16-C17	0.000000	10823.501644	----------	----------	--------	9
C18-C19	0.000000	12009.318282	----------	----------	--------	9
C20-C23	0.000000	21712.755605	----------	----------	--------	9
C24-C27	0.000000	20989.435728	----------	----------	--------	9
C28-C31	0.000000	21467.966333	----------	----------	--------	9
C32-C35	0.000000	21527.526898	----------	----------	--------	9
36-C39	0.000000	21418.188935	----------	----------	--------	9
0+	0.000000	10324.481667	----------	----------	--------	9

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

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

Software Version: 4.1<2F12>
Sample Name : #TEPH00-169 RT MARKER
Sample Number: 50 PPM
O rator :

Time : 10/4/00 09:58 AM
Study : ICAL10/03/00

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

Channel : A A/D mV Range : 1000

Interface Serial # : 2136574898 Data Acquisition Time: 10/3/00 11:06 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_01\003_023.RAW
Result File : C:\TC4\DATA_01\003_023.RST
Inst Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\003_023.RS
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\003.SEQ

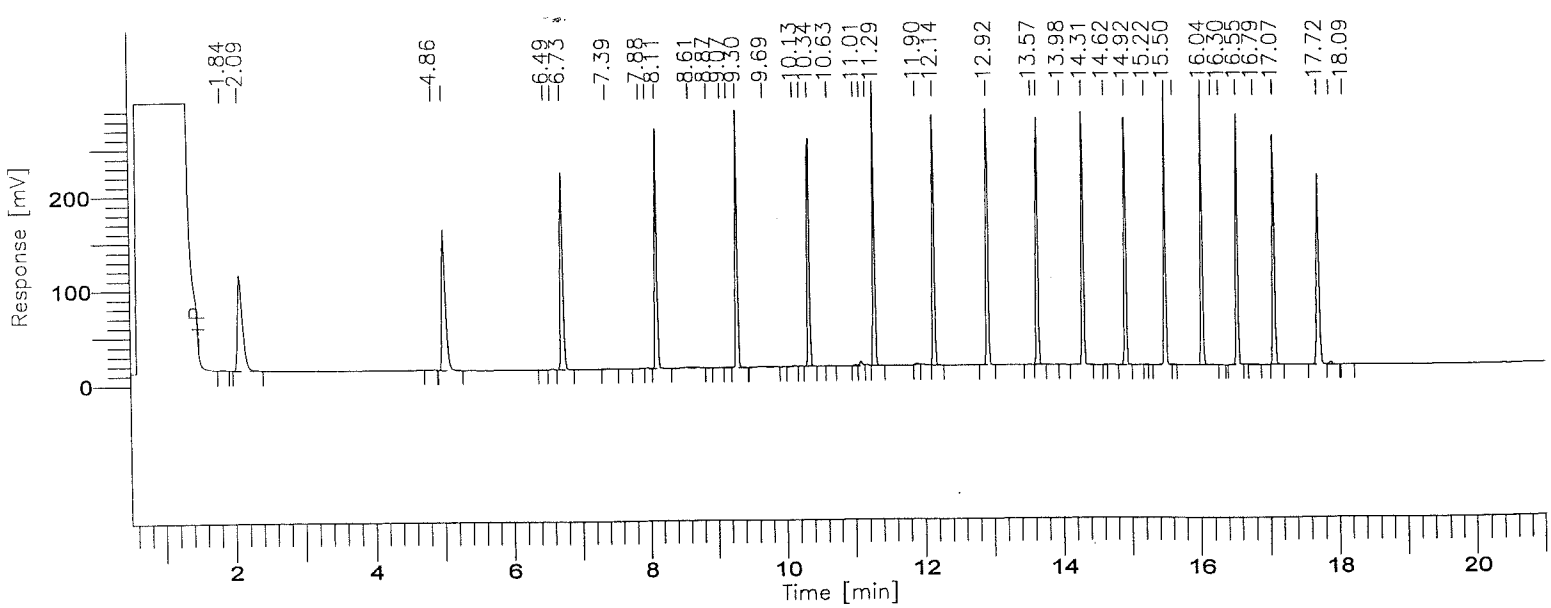
Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

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

Instrument Conditions:

Total number of peaks detected: 46



001725

BOE-C6-0157288

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	499248	49.965	------	10.0	
5.77	C10-C11	528720	50.109	------	10.0	
7.31	C12-C13	531099	49.492	------	10.0	
8.59	C14-C15	542272	45.017	------	10.0	
9.69	C16-C17	539937	49.886	------	10.0	
10.72	C18-C19	543631	45.267	------	10.0	
12.02	C20-C23	1052064	48.454	------	10.0	
13.53	C24-C27	1058488	50.430	------	10.0	
14.82	C28-C31	1064732	49.596	------	10.0	
15.90	C32-C35	1061258	49.298	------	10.0	
16.99	C36-C39	1051892	49.112	------	10.0	
19.29	C40+	513060	49.694	------	10.0	
		8986402	586.319			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
2.09		496715	0.497	------	10.0	
4.86		2533	0.003	------	10.0	
		499248	0.499			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.01		524854	0.525	------	10.0	
6.49		729	0.001	------	10.0	
6.58		3137	0.003	------	10.0	
		528720	0.529			

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
.73		520601	0.521	------	10.0	
7.39		4534	0.005	------	10.0	
7.88		1982	0.002	------	10.0	
7.98		3982	0.004	------	10.0	
		531099	0.531			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.11		519686	0.520	------	10.0	
8.61		18294	0.018	------	10.0	
8.87		1686	0.002	------	10.0	
9.07		2607	0.003	------	10.0	
		542272	0.542			

oup Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.17		3444	0.003	------	10.0	
9.30		518036	0.518	------	10.0	
9.69		13324	0.013	------	10.0	
10.13		3479	0.003	------	10.0	
10.23		1654	0.002	------	10.0	
		539937	0.540			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.34		519209	0.519	------	10.0	
10.62		1826	0.002	------	10.0	
11.01		4763	0.005	------	10.0	
1.09		13471	0.013	------	10.0	
11.18		4362	0.004	------	10.0	
		543631	0.544			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.28		523896	0.524	------	10.0	
11.90		5156	0.005	------	10.0	
12.14		523012	0.523	------	10.0	
		1052064	1.052			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.92		524343	0.524	------	10.0	
13.57		526	0.001	------	10.0	
13.64		533030	0.533	------	10.0	
13.98		589	0.001	------	10.0	
		1058488	1.058			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.31		533853	0.534	------	10.0	
14.62		815	0.001	------	10.0	
14.92		529515	0.530	------	10.0	
15.22		549	0.001	------	10.0	
		1064732	1.065			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.50		532972	0.533	------	10.0	
15.63		1162	0.001	------	10.0	
16.04		522881	0.523	------	10.0	
6.18		3624	0.004	------	10.0	
16.29		619	0.001	------	10.0	
		1061258	1.061			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.55		524789	0.525	------	10.0	
16.79		1898	0.002	------	10.0	
17.07		525206	0.525	------	10.0	
		1051892	1.052			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.71		504088	0.504	------	10.0	
17.89		8232	0.008	------	10.0	
18.09		740	0.001	------	10.0	
		513060	0.513			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\003_023.TX0

10-4-00

ICAL 10-3-00

FILES 19-24

C8 1.957 - 4.935

C10 4.936 - 6.607

C12 6.608 - 8.021

C14 8.022 - 9.151

C16 9.152 - 10.231

C18 10.232 - 11.208

C20 11.209 - 12.826

C24 12.827 - 14.240

C28 14.241 - 15.397

C32 15.398 - 16.398

C36 16.399 - 17.580

C40 17.581 - 31.0

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

Time : 10/4/00 10:12 AM
Study : ICAL10/03/00

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

Channel : A A/D mV Range : 1000

Interface Serial # : 2136574898 Data Acquisition Time: 10/3/00 08:36 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_01\O03_018A.RAW
Result File : C:\TC4\DATA_01\O03_018A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O03_018A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O03.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 :

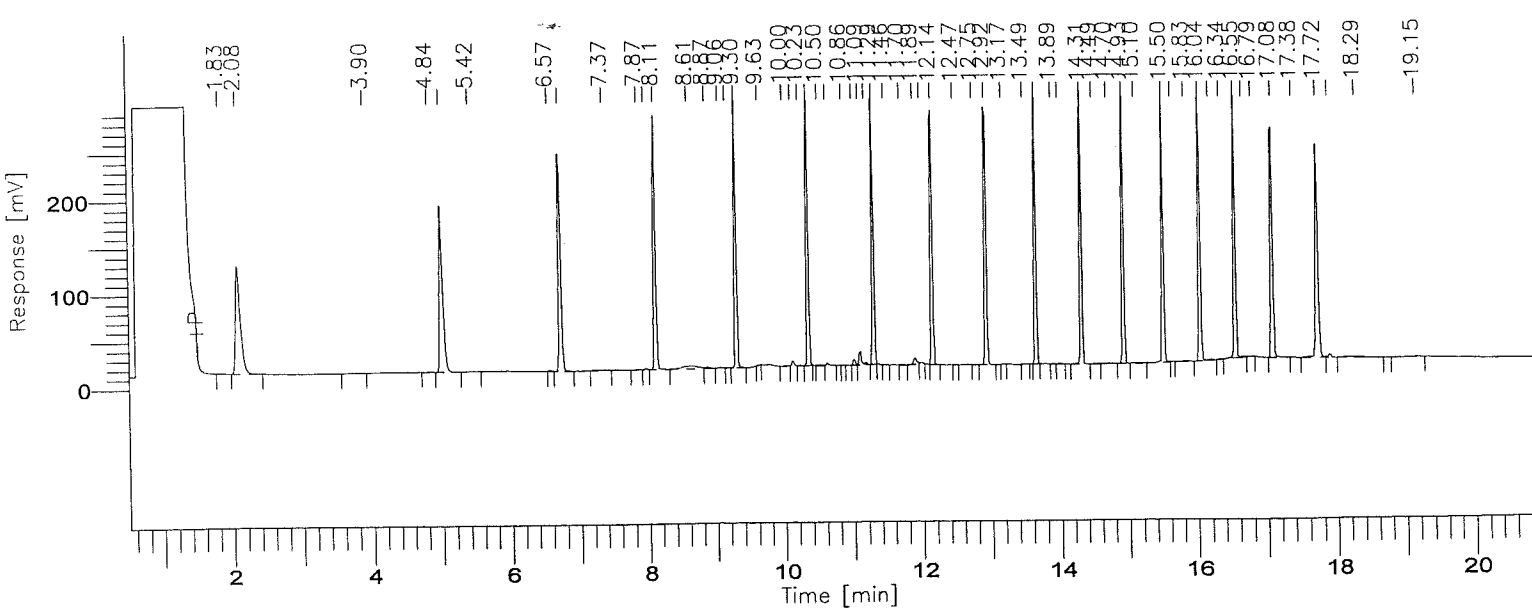
Area Threshold : 200
Divisor : 1.0000

Bunch Factor: 1
Addend : 0.0000

User2 :
User4 :

Instrument Conditions:

Total number of peaks detected: 62



001731

BOE-C6-0157294

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	559484	55.994	------	10.0	
5.77	C10-C11	590150	55.931	------	10.0	
7.31	C12-C13	587180	54.718	------	10.0	
8.59	C14-C15	642226	53.315	------	10.0	
9.69	C16-C17	592742	54.764	------	10.0	
10.72	C18-C19	639711	53.268	------	10.0	
12.02	C20-C23	1187222	54.679	------	10.0	
13.53	C24-C27	1175387	55.999	------	10.0	
14.82	C28-C31	1199112	55.856	------	10.0	
15.90	C32-C35	1206984	56.067	------	10.0	
16.99	C36-C39	1203641	56.197	------	10.0	
19.29	C40+	612808	59.355	------	10.0	
		10196647	666.142			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
2.08		555150	0.555	------	10.0	
3.90		1043	0.001	------	10.0	
4.84		3291	0.003	------	10.0	
		559484	0.559			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.00		584142	0.584	------	10.0	
5.42		3072	0.003	------	10.0	
6.57		2937	0.003	------	10.0	
		590150	0.590			

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
.72		579151	0.579	------	10.0	
7.37		3190	0.003	------	10.0	
7.87		1640	0.002	------	10.0	
7.97		3200	0.003	------	10.0	
		587180	0.587			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.11		576075	0.576	------	10.0	
8.61		54435	0.054	------	10.0	
8.87		7224	0.007	------	10.0	
9.06		4491	0.004	------	10.0	
		642226	0.642			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.17		2111	0.002	------	10.0	
9.30		572313	0.572	------	10.0	
9.63		1998	0.002	------	10.0	
10.00		2315	0.002	------	10.0	
10.12		12192	0.012	------	10.0	
10.23		1814	0.002	------	10.0	
		592742	0.593			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.34		572752	0.573	------	10.0	
10.50		2561	0.003	------	10.0	
0.62		6077	0.006	------	10.0	
10.85		327	0.000	------	10.0	
11.01		15811	0.016	------	10.0	
11.09		35479	0.035	------	10.0	
11.18		6704	0.007	------	10.0	

	639711	0.640

G. .up Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.29		576589	0.577	------	10.0	
11.46		1072	0.001	------	10.0	
11.70		696	0.001	------	10.0	
11.89		23274	0.023	------	10.0	
11.99		6059	0.006	------	10.0	
12.14		577792	0.578	------	10.0	
12.47		1176	0.001	------	10.0	
12.75		563	0.001	------	10.0	
		1187222	1.187			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.92		581966	0.582	------	10.0	
13.17		1513	0.002	------	10.0	
13.48		1074	0.001	------	10.0	
13.65		588904	0.589	------	10.0	
13.89		610	0.001	------	10.0	
13.98		1320	0.001	------	10.0	
		1175387	1.175			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.31		594663	0.595	------	10.0	
14.49		1681	0.002	------	10.0	
14.70		6684	0.007	------	10.0	
14.93		589964	0.590	------	10.0	
15.10		6121	0.006	------	10.0	
		1199112	1.199			

Group Report For : C32-C35

Time	Component	Area	Final Results	% SURR	REP. LIMIT	FN

[min]	Name	[µV·s]	(ppm)	REC	mg/kg
1[illegible] 50		600034	0.600	------	10.0
1[illegible].63		1718	0.002	------	10.0
15.83		8954	0.009	------	10.0
16.04		586586	0.587	------	10.0
16.18		7555	0.008	------	10.0
16.34		2137	0.002	------	10.0
		1206984	1.207		

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.55		597016	0.597	------	10.0	
16.66		6024	0.006	------	10.0	
16.79		3944	0.004	------	10.0	
17.08		595688	0.596	------	10.0	
17.38		970	0.001	------	10.0	
		1203641	1.204			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.72		576178	0.576	------	10.0	
17.89		10580	0.011	------	10.0	
18.29		18714	0.019	------	10.0	
19.15		7336	0.007	------	10.0	
		612808	0.613			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O03_018A.TX0

Turbochrom Sequence File : C:\TC4\DATA_01\O03.SEQ
Created by : doug on : 10/3/00 07:49 AM
Edited by : EC on : 10/4/00 10:12 AM
Description :

Number of Times Edited : 15

Sequence File Header Information:

Number of Rows : 84
Instrument Type : 760 / 900 Series Intelligent Interface
Injection Type : SINGLE

Sequence Sample Descriptions - Channel A

Row	Type	Sample Name	Sample Number	Study Name	Sample Amount	ISTD Amount	Sample Volume	Dil. Factor	Mult	Divisor	Addend	Norm. factor
1	Sample	MECL2	MECL2	ICAL 9/21/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
2	Sample	DAILY RT MAKER	C8-C40	ICAL 9/21/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
3	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
4	Std Check	#TEPH00-167 RT	30 PPM	ICAL9/21/0	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
5	Sample	285-09		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
6	Sample	285-12		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
7	Sample	285-17 2x		ICAL8/28/0	1.000	1.000	1.000	2.000	5.000	20.000	0.000	100.000
8	Sample	285-29		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
9	Sample	285-30		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
10	Sample	285-31		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
11	Sample	285-32		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
12	Sample	285-33		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
13	Sample	MECL2		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
14	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
15	Std Check	#TEPH00-167 RT	30 PPM	ICAL9/21/0	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
16	Sample	MECL2	MECL2	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
17	Sample	MECL2	MECL2	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
18	Sample	DAILY RT MARKER	C8-C40	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
19	Cal:Replace	#TEPH00-165 RT	10 PPM	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
20	Cal:Replace	#TEPH00-166 RT	20 PPM	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
21	Cal:Replace	#TEPH00 167 RT	30 PPM	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
22	Cal:Replace	#TEPH00-168 RT	40 PPM	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
23	Cal:Replace	#TEPH00-169 RT	50 PPM	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
24	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
25	Sample	285-08		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
26	Sample	285-09		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
27	Sample	285-11		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
28	Sample	285-12		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
29	Sample	285-13		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
30	Sample	285-14		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
31	Sample	285-17 2x		ICAL8/28/0	1.000	1.000	1.000	2.000	5.000	20.000	0.000	100.000
32	Sample	285-16		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
33	Sample	285-19		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
34	Sample	285-20		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
35	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
36	Std Check	#TEPH00-167 RT	30 PPM	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
37	Sample	285-21		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
38	Sample	285-22		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
39	Sample	285-24		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
40	Sample	285-25		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
41	Sample	MECL2	MECL2	ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
42	Sample	285-MB		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
43	Sample	285-LCS		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
44	Sample	285-27		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
45	Sample	285-27 MS		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
46	Sample	285-27 MSD		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
47	Sample	285-28		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
48	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
49	Std Check	#TEPH00-167 RT	30 PPM	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
50	Sample	285-29		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
51	Sample	285-30		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
52	Sample	285-31		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
53	Sample	285-32		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
54	Sample	285-33		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
55	Sample	285-34		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
56	Sample	285-35		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
57	Sample	285-36		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
58	Sample	285-37		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
59	Sample	285-38		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
60	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000

61	Std Check	#TEPH00-167 RT	30 PPM	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
62	Sample	285-42		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
63	Sample	285-43		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
64	Sample	285-44		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
65	Sample	285-45		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
66	Sample	285-47		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
67	Sample	285-48		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
	Sample	285-49		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
	Sample	285-50 5x		ICAL8/28/0	1.000	1.000	1.000	5.000	5.000	20.000	0.000	100.000
70	Std Check	MECL2	MECL2	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
71	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
72	Std Check	#TEPH00-167 RT	30 PPM	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
73	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
74	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
75	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
76	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
77	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
78	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
79	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
80	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
81	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
82	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
83	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
84	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000

TEPH

SAMPLE AND QC DATA

C8 → C40T

Date(s) Analyzed: 10-6-00

Instrument ID: GC1 GC2 GC3

Lab #: EOI260285

Batch #: 0271552

Samples: C, 27, 36, 37, 38, 42, 43, 44, 45

ICAL 10-3

Lot/Sample: E0I270000-552C INTRA-LAB CHECK TICs.....: N Report Results: Y
WO#.....: DL60H-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: 10/06/00
Inject Time..: 4:47 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: 005_041
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....: 9/26/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/09/27 18:20:40
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 9/27/00
QC Batch.....: 0271552
MS Run Number:
Prep Time....: 14:00-14:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....: TEPH1561-1DCS/5000PPM/1M
Surrogate: TEPH1562-1SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Spike Amount	Measured Amount	%REC	%RPD	Data Qual	Report Qual
04490	Diesel Range Organics (			250	NA	0	0		NA
04980	Diesel Range Organics			250	NA	0	0		NA
05013	Motor Oil Range Organic			250	NA	0	0		NA
03052	TPH (as Diesel)			250	247.838	99.13	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	13.468	107.744		NA

Software Version: 4.1<2F12>
Sample Name : 285-LCS Time : 10/6/00 07:08 AM
Sample Number: DL60H102C Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/6/00 04:47 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

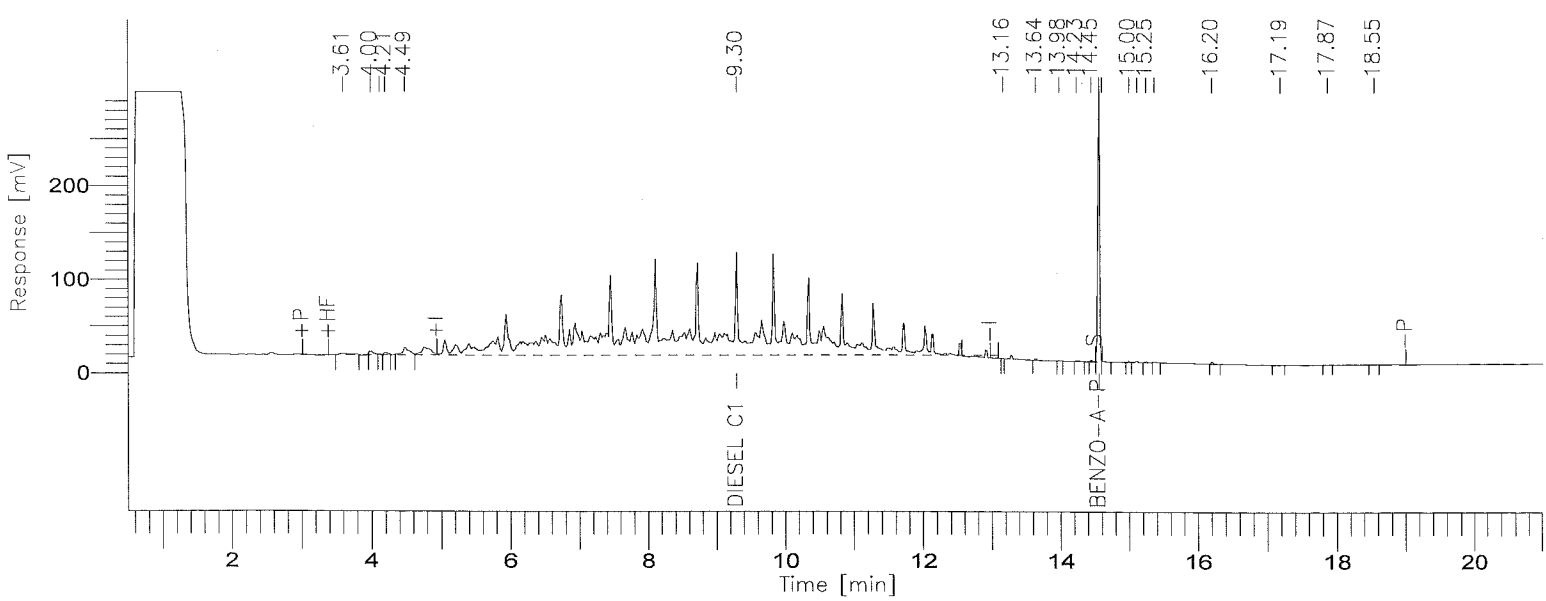
Raw Data File : C:\TC4\DATA_01\O05_041.RAW
Result File : C:\TC4\DATA_01\O05_041.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O05_041.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_01\O05.SEQ

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

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

Instrument Conditions:

Total number of peaks detected: 21



001740

BOE-C6-0157303

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.30	DIESEL C10-C24	7327997	247.838	------	10.0	
14.56	BENZO-A-PYRENE	568511	13.468	107.7	10.0	
		7896508	261.306			

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Report stored in ASCII file: C:\TC4\DATA_01\O05_041.TX0

Lot/Sample: E0I260285-027 C-2-3-1 TICs.....: N Report Results: Y
WO#.....: DL3H3-1-0M 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: 10/06/00
Inject Time..: 5:17 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O05_042A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....: 9/26/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/06 12:07:17
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 9/27/00
QC Batch.....: 0271552
MS Run Number: 0271280
Prep Time....: 14:00-18:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1562-1SCS/250PPM/1ML

Total Solids.: .00

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

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	11.376	91.008		

Software Version: 4.1<2F12>
Sample Name : 285-27 Time : 10/6/00 10:20 AM
Sample Number: DL3H310M Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/6/00 05:17 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

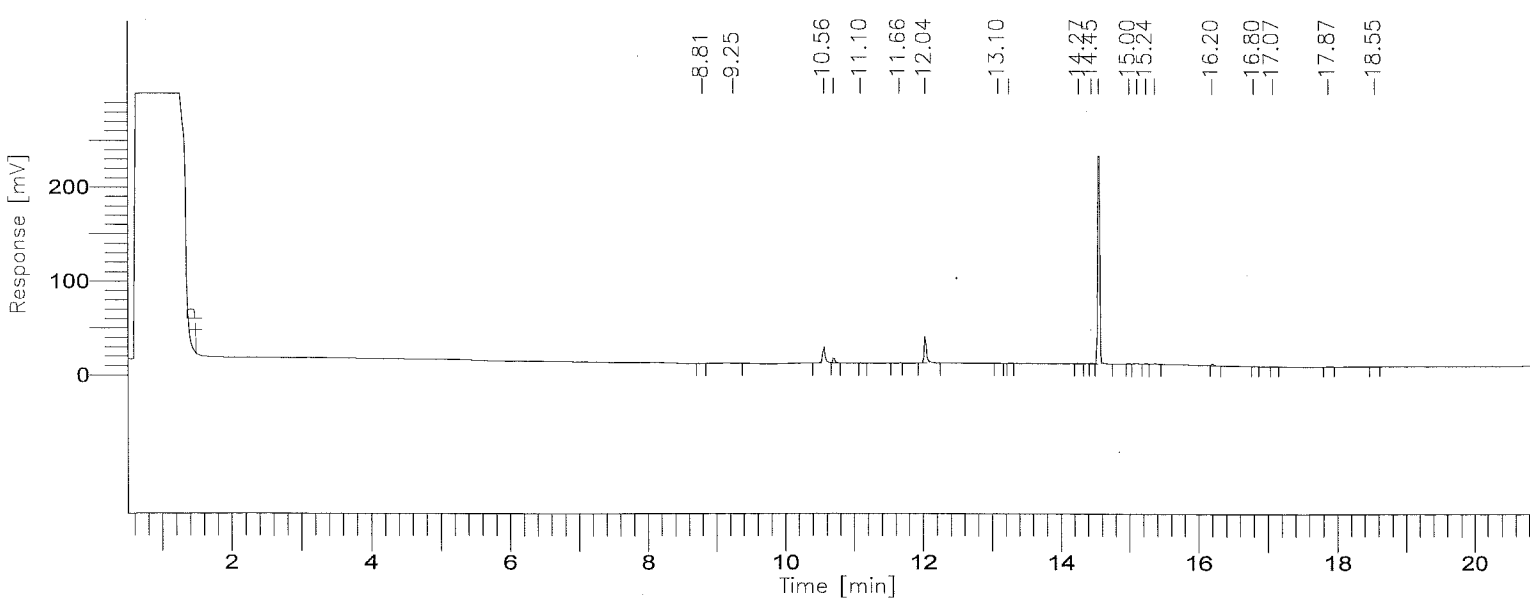
Raw Data File : C:\TC4\DATA_01\O05_042A.RAW
Result File : C:\TC4\DATA_01\O05_042A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O05_042A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O05A.SEQ

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

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

Instrument Conditions:

Total number of peaks detected: 21



001743

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
3.45	C8-C9	0	0.000	------	1.0	
5.77	C10-C11	0	0.000	------	1.0	
7.31	C12-C13	0	0.000	------	1.0	
8.59	C14-C15	1047	0.022	------	1.0	
9.69	C16-C17	10067	0.233	------	1.0	
10.72	C18-C19	54828	1.141	------	1.0	
12.02	C20-C23	68271	0.786	------	1.0	
13.53	C24-C27	1564	0.019	------	1.0	
14.82	C28-C31	499682	5.819	------	1.0	
15.90	C32-C35	4076	0.047	------	1.0	
16.99	C36-C39	2250	0.026	------	1.0	
19.29	C40+	2166	0.052	------	1.0	
		643952	8.145			

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

No peaks available to report

Group Report For : C14-C15

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

8.81		1047	0.000	------	1.0
		1047	0.000		

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
9.25		10067	0.003	------	1.0	
		10067	0.003			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
10.56		42265	0.011	------	1.0	
10.71		10846	0.003	------	1.0	
11.10		1717	0.000	------	1.0	
		54828	0.014			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
11.66		1413	0.000	------	1.0	
12.04		66858	0.017	------	1.0	
		68271	0.017			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
13.10		430	0.000	------	1.0	
13.25		1134	0.000	------	1.0	
		1564	0.000			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
14.27		2479	0.001	------	1.0	
14.45		2618	0.001	------	1.0	
14.56		482554	0.121	------	1.0	
15.00		2640	0.001	------	1.0	
15.11		3604	0.001	------	1.0	
15.24		3116	0.001	------	1.0	
15.37		2671	0.001	------	1.0	
		499682	0.125			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
16.20		4076	0.001	------	1.0	
		4076	0.001			

oup Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
16.80		591	0.000	------	1.0	
17.07		1660	0.000	------	1.0	
		2250	0.001			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
17.87		1336	0.000	------	1.0	
18.55		830	0.000	------	1.0	
		2166	0.001			

issing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

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Report stored in ASCII file: C:\TC4\DATA_01\005_042A.TX0

Software Version: 4.1<2F12>
Sample Name : 285-27 Time : 10/6/00 07:08 AM
Sample Number: DL3H310M Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/6/00 05:17 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

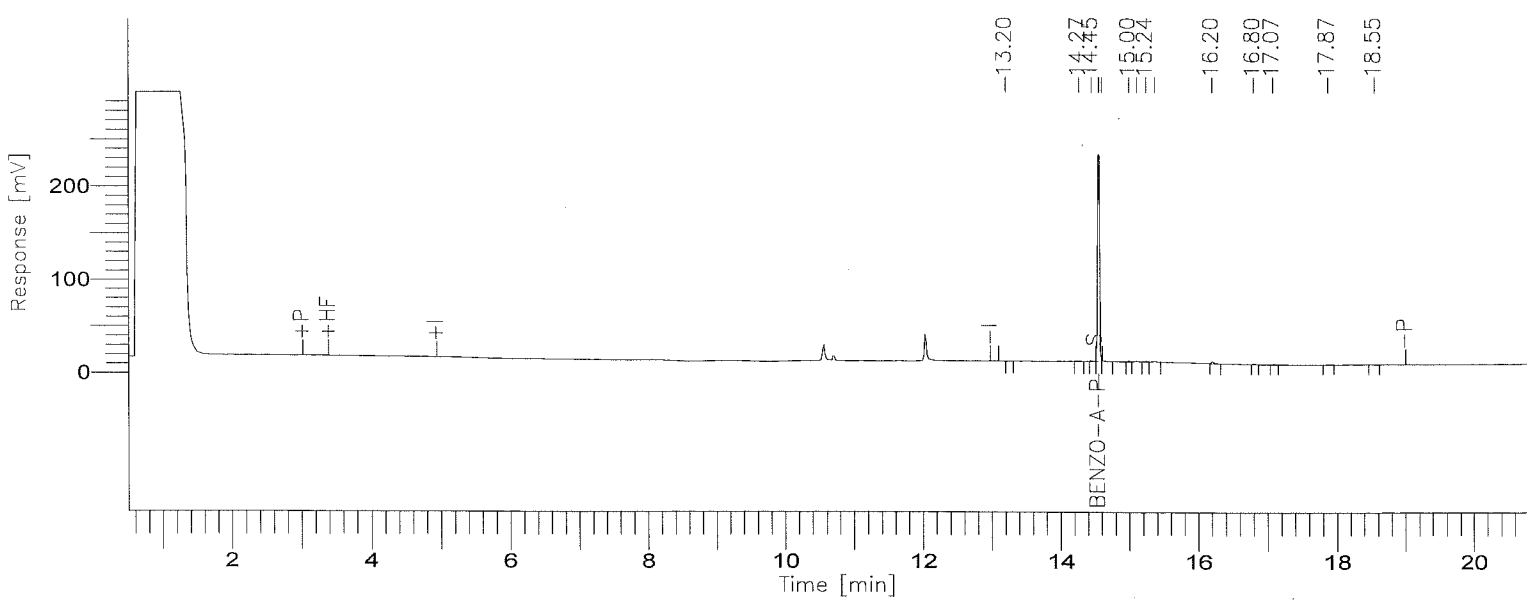
Raw Data File : C:\TC4\DATA_01\O05_042.RAW
Result File : C:\TC4\DATA_01\O05_042.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O05_042.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_01\O05.SEQ

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



001748

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.03	DIESEL C10-C24	0	0.000	------	10.0	
14.56	BENZO-A-PYRENE	480196	11.376	91.0	10.0	
		480196	11.376			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O05_042.TX0

Lot/Sample: E0I260285-036 C-2-7-5 TICs.....: N Report Results: Y
WO#.....: DL3HG-1-0M 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: 10/06/00
Inject Time..: 5:47 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: 005_043A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....: 9/26/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/06 12:07:41
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 9/27/00
QC Batch.....: 0271552
MS Run Number: 0271280
Prep Time....: 14:00-18:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1562-1SCS/250PPM/1ML

Total Solids.: .00

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

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	10.568	84.544		

Software Version: 4.1<2F12>
Sample Name : 285-36 Time : 10/6/00 10:20 AM
Sample Number: DL3HG10M Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/6/00 05:47 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

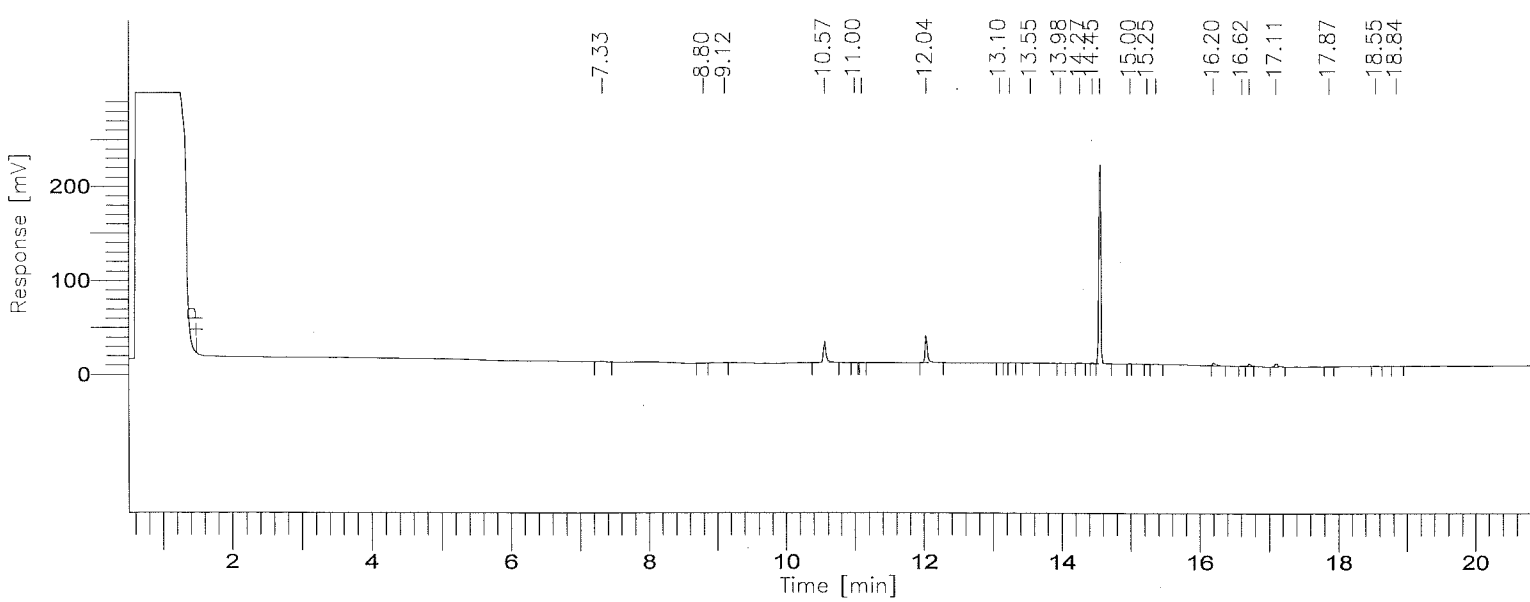
Raw Data File : C:\TC4\DATA_01\O05_043A.RAW
Result File : C:\TC4\DATA_01\O05_043A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O05_043A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O05A.SEQ

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

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

Instrument Conditions:

Total number of peaks detected: 24



001751

BOE-C6-0157314

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
3.45	C8-C9	0	0.000	------	1.0	
5.77	C10-C11	0	0.000	------	1.0	
7.31	C12-C13	2909	0.068	------	1.0	
8.59	C14-C15	2849	0.059	------	1.0	
9.69	C16-C17	0	0.000	------	1.0	
10.72	C18-C19	60114	1.251	------	1.0	
12.02	C20-C23	68427	0.788	------	1.0	
13.53	C24-C27	3326	0.040	------	1.0	
14.82	C28-C31	457784	5.331	------	1.0	
15.90	C32-C35	9586	0.111	------	1.0	
16.99	C36-C39	18510	0.216	------	1.0	
19.29	C40+	3002	0.073	------	1.0	
		626506	7.937			

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/L	FN
7.33		2909	0.001	------	1.0	
		2909	0.001			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
[illegible].80		1308	0.000	------	1.0	
9.12		1541	0.000	------	1.0	
		2849	0.001			

Group Report For : C16-C17

No peaks available to report

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
10.56		58489	0.015	------	1.0	
11.00		773	0.000	------	1.0	
11.10		852	0.000	------	1.0	
		60114	0.015			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
12.04		68427	0.017	------	1.0	
		68427	0.017			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
13.10		327	8.175e-05	------	1.0	
13.25		928	0.000	------	1.0	
13.55		1788	0.000	------	1.0	
[illegible].98		284	7.088e-05	------	1.0	
		3326	0.001			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
14.27		2274	0.001	------	1.0	
14.45		2570	0.001	------	1.0	
14.56		447327	0.112	------	1.0	
15.00		1797	0.000	------	1.0	
15.25		1922	0.000	------	1.0	
15.37		1894	0.000	------	1.0	
		457784	0.114			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
16.20		9586	0.002	------	1.0	
		9586	0.002			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
16.62		1811	0.000	------	1.0	
16.72		6762	0.002	------	1.0	
17.11		9938	0.002	------	1.0	
		18510	0.005			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
17.87		1179	0.000	------	1.0	
18.55		1022	0.000	------	1.0	
18.84		802	0.000	------	1.0	
		3002	0.001			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

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STL - LOS ANGELES

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Report stored in ASCII file: C:\TC4\DATA_01\O05_043A.TX0

Software Version: 4.1<2F12>
Sample Name : 285-36 Time : 10/6/00 07:08 AM
Sample Number: DL3HG10M Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/6/00 05:47 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

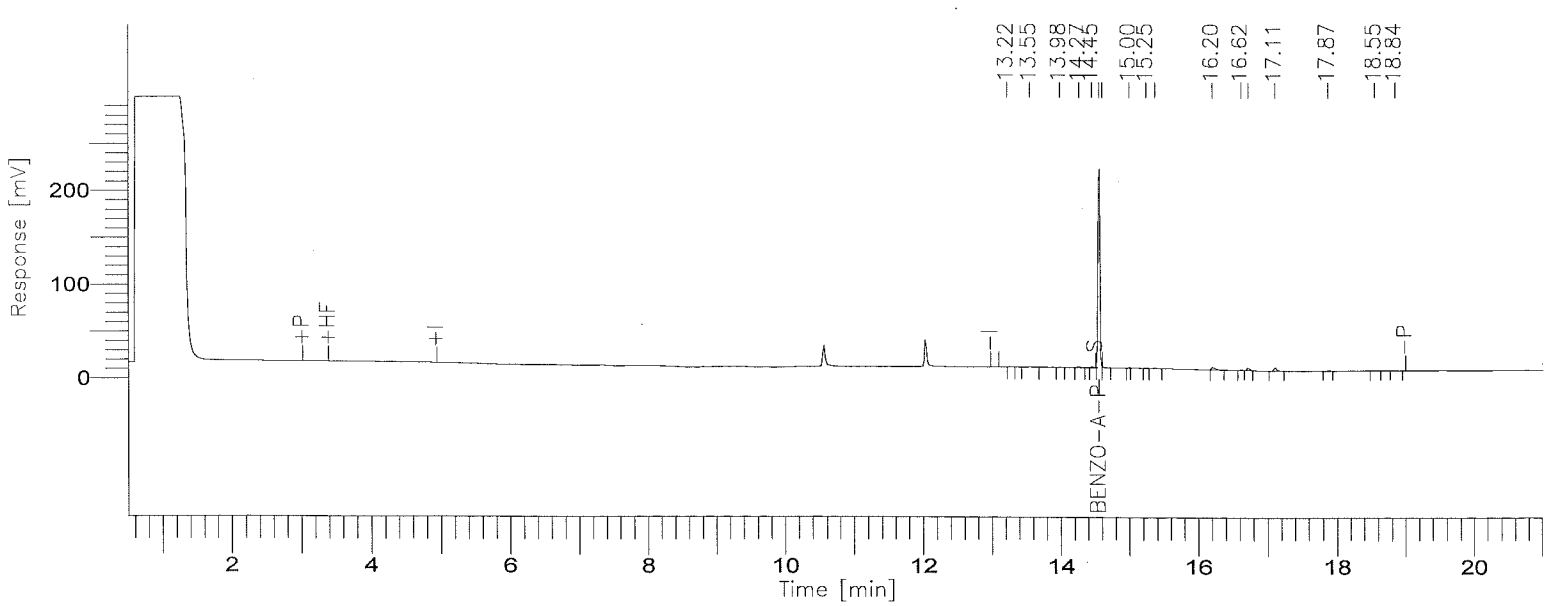
Raw Data File : C:\TC4\DATA_01\O05_043.RAW
Result File : C:\TC4\DATA_01\O05_043.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O05_043.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_01\O05.SEQ

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

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

Instrument Conditions:

Total number of peaks detected: 17



001756

BOE-C6-0157319

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.03	DIESEL C10-C24	0	0.000	------	10.0	
14.56	BENZO-A-PYRENE	446078	10.568	84.5	10.0	
		446078	10.568			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\005_043.TX0

Lot/Sample: E0I260285-037 C-2-8-1 TICs.....: N Report Results: Y
WO#.....: DL3HH-1-0M 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: 10/06/00
Inject Time..: 6:17 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O05_044A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....: 9/26/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/06 12:07:55
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 9/27/00
QC Batch.....: 0271552
MS Run Number: 0271280
Prep Time....: 14:00-18:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1562-1SCS/250PPM/1ML

Total Solids.: .00

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

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	10.963	87.704		

Software Version: 4.1<2F12>
Sample Name : 285-37 Time : 10/6/00 10:20 AM
Sample Number: DL3HH10M Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/6/00 06:17 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

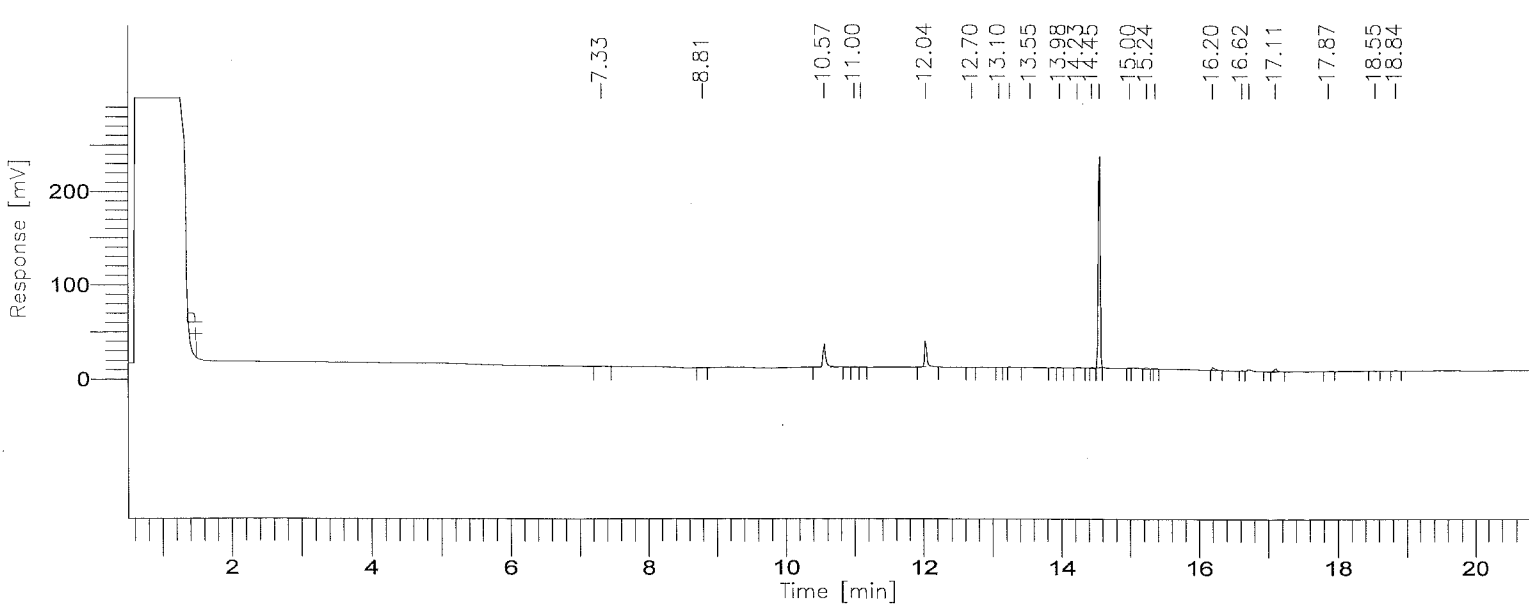
Raw Data File : C:\TC4\DATA_01\O05_044A.RAW
Result File : C:\TC4\DATA_01\O05_044A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O05_044A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O05A.SEQ

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

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

Instrument Conditions:

Total number of peaks detected: 24



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
3.45	C8-C9	0	0.000	------	1.0	
5.77	C10-C11	0	0.000	------	1.0	
7.31	C12-C13	2862	0.067	------	1.0	
8.59	C14-C15	1147	0.024	------	1.0	
9.69	C16-C17	0	0.000	------	1.0	
10.72	C18-C19	69001	1.436	------	1.0	
12.02	C20-C23	64097	0.738	------	1.0	
13.53	C24-C27	6882	0.082	------	1.0	
14.82	C28-C31	467241	5.441	------	1.0	
15.90	C32-C35	9361	0.109	------	1.0	
16.99	C36-C39	17193	0.201	------	1.0	
19.29	C40+	3045	0.074	------	1.0	
		640829	8.171			

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/L	FN
7.33		2862	0.001	------	1.0	
		2862	0.001			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
.81		1147	0.000	------	1.0	
		1147	0.000			

Group Report For : C16-C17

No peaks available to report

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
10.57		65446	0.016	------	1.0	
11.00		2234	0.001	------	1.0	
11.10		1321	0.000	------	1.0	
		69001	0.017			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
12.04		63509	0.016	------	1.0	
12.70		588	0.000	------	1.0	
		64097	0.016			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
13.10		393	9.825e-05	------	1.0	
13.25		2190	0.001	------	1.0	
13.55		1297	0.000	------	1.0	
.98		504	0.000	------	1.0	
14.23		2498	0.001	------	1.0	
		6882	0.002			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
14.45		2387	0.001	------	1.0	
14.56		458249	0.115	------	1.0	
15.00		1695	0.000	------	1.0	
15.24		3384	0.001	------	1.0	
15.37		1526	0.000	------	1.0	
		467241	0.117			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
16.20		9361	0.002	------	1.0	
		9361	0.002			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
16.62		1597	0.000	------	1.0	
16.72		6524	0.002	------	1.0	
17.11		9071	0.002	------	1.0	
		17193	0.004			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
17.87		1355	0.000	------	1.0	
18.55		855	0.000	------	1.0	
18.84		835	0.000	------	1.0	
		3045	0.001			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

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STL - LOS ANGELES

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Report stored in ASCII file: C:\TC4\DATA_01\005_044A.TX0

Software Version: 4.1<2F12>
Sample Name : 285-37 Time : 10/6/00 07:08 AM
Sample Number: DL3HH10M Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/6/00 06:17 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

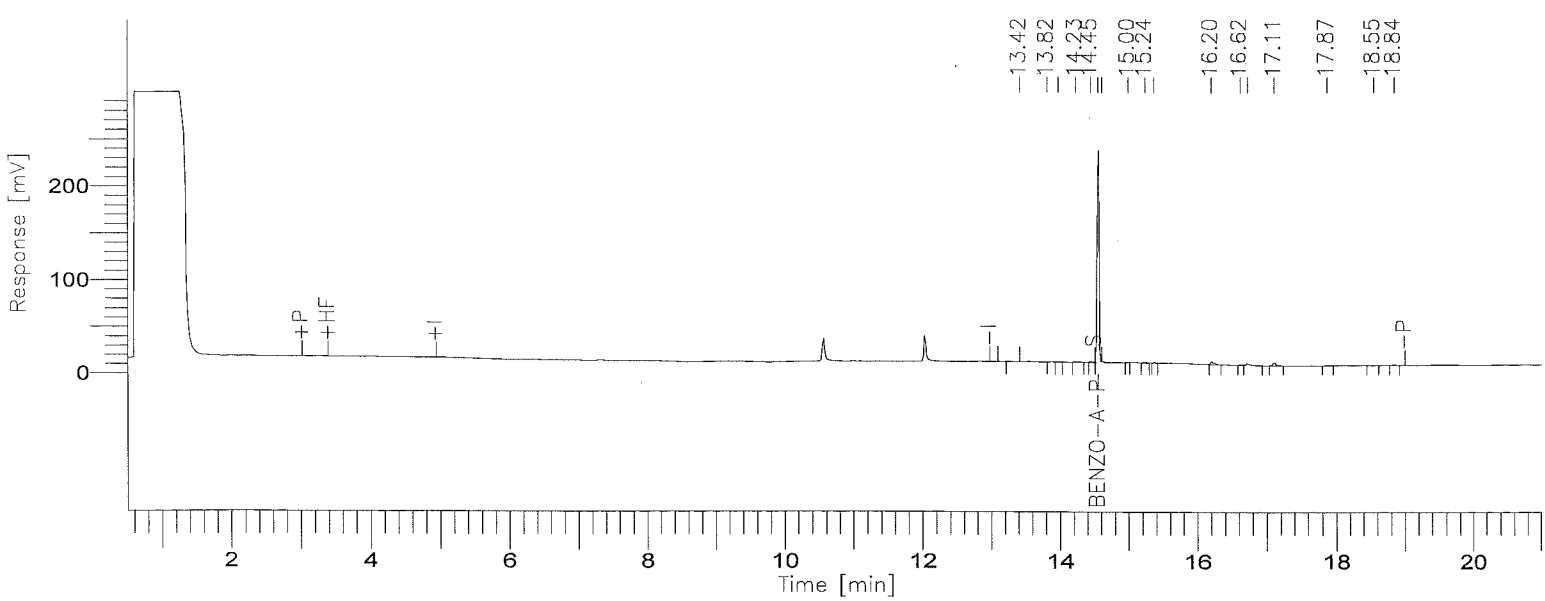
Raw Data File : C:\TC4\DATA_01\O05_044.RAW
Result File : C:\TC4\DATA_01\O05_044.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O05_044.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_01\O05.SEQ

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

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

Instrument Conditions:

Total number of peaks detected: 17



001764

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.03	DIESEL C10-C24	0	0.000	------	10.0	
14.56	BENZO-A-PYRENE	462780	10.963	87.7	10.0	
		462780	10.963			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O05_044.TX0

Lot/Sample: E0I260285-038 C-2-8-5 TICs.....: N Report Results: Y
WO#.....: DL3HJ-1-0M 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: 10/06/00
Inject Time..: 6:47 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O05_045A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....: 9/26/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/06 12:08:06
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 9/27/00
QC Batch.....: 0271552
MS Run Number: 0271280
Prep Time....: 14:00-18:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1562-1SCS/250PPM/1ML

Total Solids.: .00

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

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	9.3990	75.192		

Software Version: 4.1<2F12>
Sample Name : 285-38 Time : 10/6/00 10:21 AM
Sample Number: DL3HJ10M Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/6/00 06:47 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

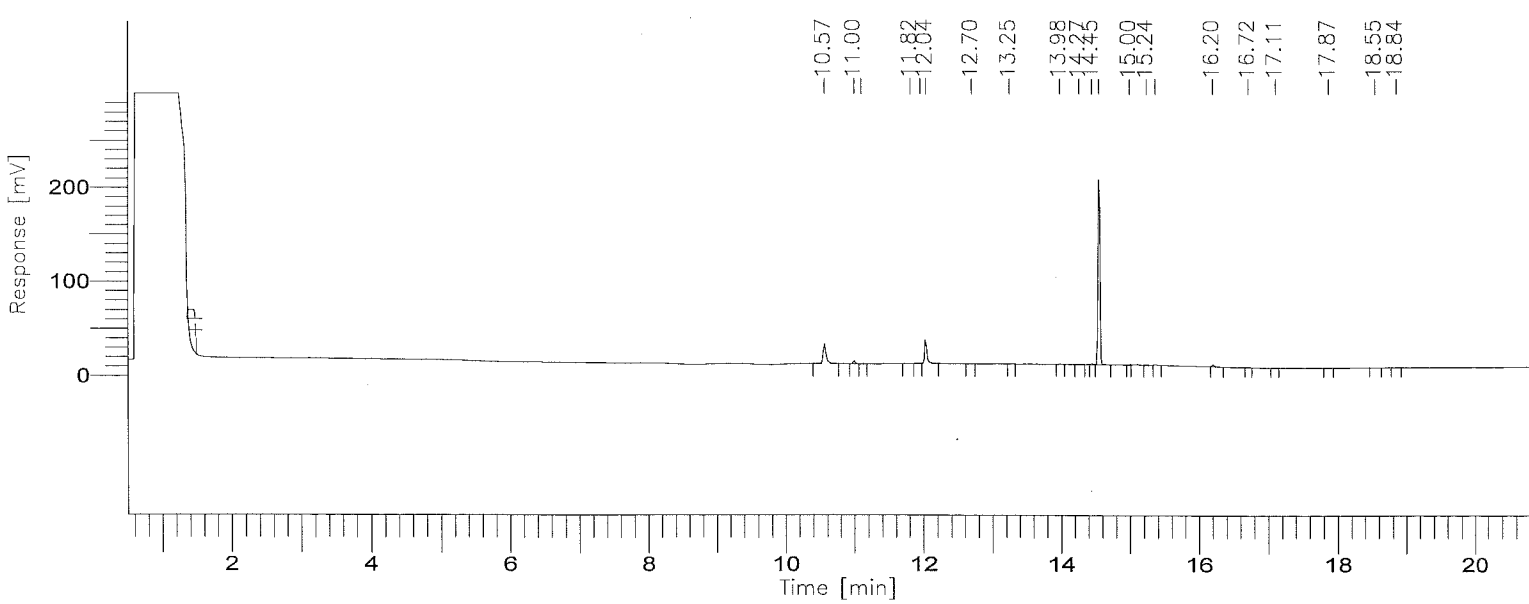
Raw Data File : C:\TC4\DATA_01\O05_045A.RAW
Result File : C:\TC4\DATA_01\O05_045A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O05_045A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O05A.SEQ

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

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

Instrument Conditions:

Total number of peaks detected: 21



001767

BOE-C6-0157330

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
3.45	C8-C9	0	0.000	------	1.0	
5.77	C10-C11	0	0.000	------	1.0	
7.31	C12-C13	0	0.000	------	1.0	
8.59	C14-C15	0	0.000	------	1.0	
9.69	C16-C17	0	0.000	------	1.0	
10.72	C18-C19	68327	1.422	------	1.0	
12.02	C20-C23	60202	0.693	------	1.0	
13.53	C24-C27	2493	0.030	------	1.0	
14.82	C28-C31	407993	4.751	------	1.0	
15.90	C32-C35	4426	0.051	------	1.0	
16.99	C36-C39	2644	0.031	------	1.0	
19.29	C40+	2565	0.062	------	1.0	
		548651	7.041			

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

No peaks available to report

Group Report For : C14-C15

No peaks available to report

Group Report For : C16-C17

No peaks available to report

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
10.57		61121	0.015	------	1.0	
11.00		6212	0.002	------	1.0	
11.10		994	0.000	------	1.0	
		68327	0.017			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
11.82		508	0.000	------	1.0	
11.96		1200	0.000	------	1.0	
12.04		57677	0.014	------	1.0	
12.70		818	0.000	------	1.0	
		60202	0.015			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
13.25		1720	0.000	------	1.0	
13.98		772	0.000	------	1.0	
		2493	0.001			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
14.27		2236	0.001	------	1.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
[illegible].45		2138	0.001	------	1.0	
14.56		398138	0.100	------	1.0	
15.00		1683	0.000	------	1.0	
15.24		2264	0.001	------	1.0	
15.37		1533	0.000	------	1.0	
		407993	0.102			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
16.20		4426	0.001	------	1.0	
		4426	0.001			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
16.72		871	0.000	------	1.0	
17.11		1774	0.000	------	1.0	
		2644	0.001			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
17.87		1100	0.000	------	1.0	
18.55		743	0.000	------	1.0	
18.84		722	0.000	------	1.0	
		2565	0.001			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

==========

F ›ort stored in ASCII file: C:\TC4\DATA_01\005_045A.TX0

Software Version: 4.1<2F12>
Sample Name : 285-38 Time : 10/6/00 07:08 AM
Sample Number: DL3HJ10M Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/6/00 06:47 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

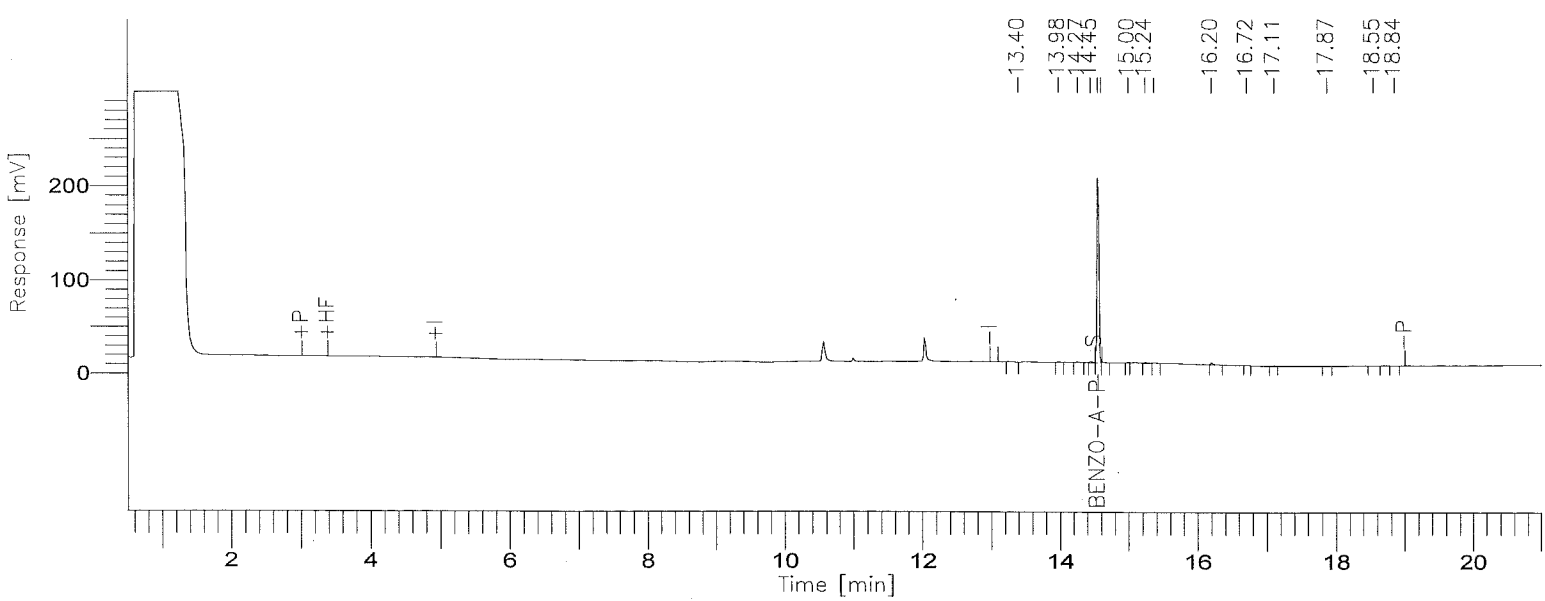
Raw Data File : C:\TC4\DATA_01\O05_045.RAW
Result File : C:\TC4\DATA_01\O05_045.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O05_045.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_01\O05.SEQ

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



001772

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
8.03	DIESEL C10-C24	0	0.0000	------	1.0	
14.56	BENZO-A-PYRENE	396745	9.3990	3759.6	1.0	
		396745	9.3990			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\005_045.TX0

Lot/Sample: E0I260285-042 C-66-5-1 TICs.....: N Report Results: Y
WO#.....: DL3HR-1-0M 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: 10/06/00
Inject Time..: 8:17 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: 005_048A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....: 9/25/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/06 12:08:21
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 9/27/00
QC Batch.....: 0271552
MS Run Number: 0271280
Prep Time....: 14:00-18:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1562-1SCS/250PPM/1ML

Total Solids.: .00

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

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	10.442	83.536		

Software Version: 4.1<2F12>
Sample Name : 285-42 Time : 10/6/00 10:21 AM
Sample Number: DL3HR10M Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/6/00 08:17 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

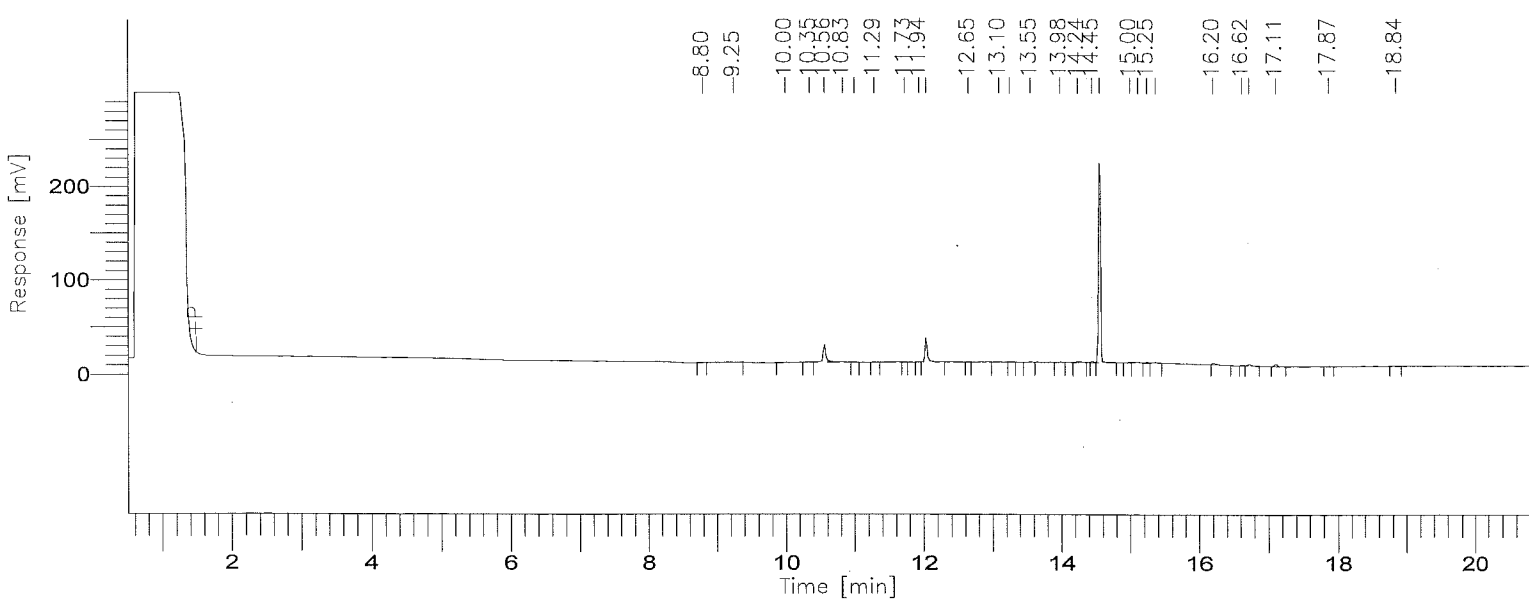
Raw Data File : C:\TC4\DATA_01\O05_048A.RAW
Result File : C:\TC4\DATA_01\O05_048A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O05_048A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O05A.SEQ

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



001775

BOE-C6-0157338

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
3.45	C8-C9	0	0.000	------	1.0	
5.77	C10-C11	0	0.000	------	1.0	
7.31	C12-C13	0	0.000	------	1.0	
8.59	C14-C15	1568	0.033	------	1.0	
9.69	C16-C17	16005	0.370	------	1.0	
10.72	C18-C19	62575	1.303	------	1.0	
12.02	C20-C23	63137	0.727	------	1.0	
13.53	C24-C27	8300	0.099	------	1.0	
14.82	C28-C31	459504	5.351	------	1.0	
15.90	C32-C35	5959	0.069	------	1.0	
16.99	C36-C39	14450	0.169	------	1.0	
19.29	C40+	2068	0.050	------	1.0	
		633566	8.170			

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

No peaks available to report

Group Report For : C14-C15

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

8.80		1568	0.000	------	1.0
		1568	0.000		

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
9.25		9406	0.002	------	1.0	
10.00		6599	0.002	------	1.0	
		16005	0.004			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
10.35		4045	0.001	------	1.0	
10.56		54680	0.014	------	1.0	
.83		2897	0.001	------	1.0	
11.00		953	0.000	------	1.0	
		62575	0.016			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
11.29		849	0.000	------	1.0	
11.73		555	0.000	------	1.0	
11.94		1176	0.000	------	1.0	
12.04		59975	0.015	------	1.0	
12.65		582	0.000	------	1.0	
		63137	0.016			

Group Report For : C24-C27

me [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
13.09		1474	0.000	------	1.0	
13.25		1234	0.000	------	1.0	
13.55		1044	0.000	------	1.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
13.98		832	0.000	------	1.0	
14.24		3716	0.001	------	1.0	
		8300	0.002			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
14.45		3267	0.001	------	1.0	
14.56		443552	0.111	------	1.0	
15.00		2684	0.001	------	1.0	
15.11		4666	0.001	------	1.0	
15.24		2941	0.001	------	1.0	
15.37		2394	0.001	------	1.0	
		459504	0.115			

oup Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
16.20		5959	0.001	------	1.0	
		5959	0.001			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
16.62		1355	0.000	------	1.0	
16.72		5727	0.001	------	1.0	
17.10		7368	0.002	------	1.0	
		14450	0.004			

oup Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
17.87		1241	0.000	------	1.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
[illegible].84		827	0.000	------	1.0	
		2068	0.001			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O05_048A.TX0

Software Version: 4.1<2F12>
Sample Name : 285-42 Time : 10/6/00 08:38 AM
Sample Number: DL3HR10M Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/6/00 08:17 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

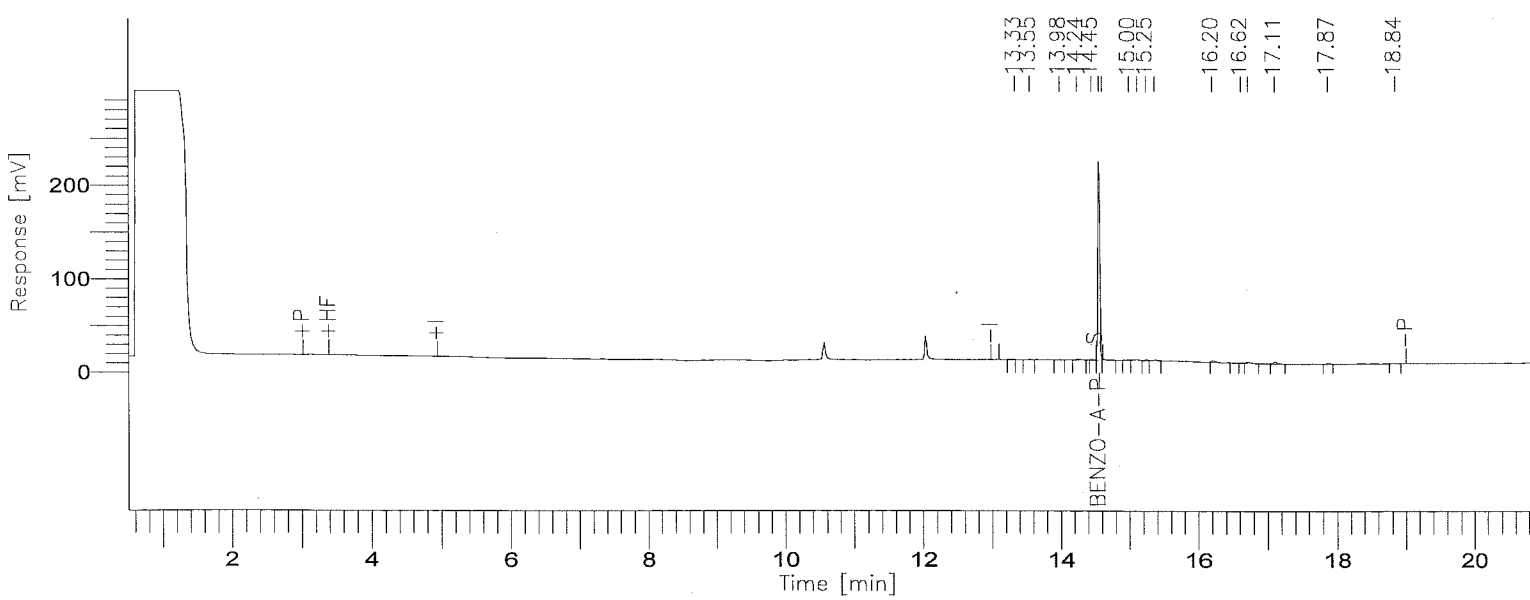
Raw Data File : C:\TC4\DATA_01\O05_048.RAW
Result File : C:\TC4\DATA_01\O05_048.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O05_048.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_01\O05.SEQ

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

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

Instrument Conditions:

Total number of peaks detected: 17



001780

BOE-C6-0157343

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.03	DIESEL C10-C24	0	0.000	------	10.0	
14.56	BENZO-A-PYRENE	440764	10.442	83.5	10.0	
		440764	10.442			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\005_048.TX0

Lot/Sample: E0I260285-043 C-66-5-5 TICs.....: N Report Results: Y
WO#.....: DL3HW-1-0M 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: 10/06/00
Inject Time..: 8:47 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O05_049A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....: 9/25/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/06 12:08:47
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 9/27/00
QC Batch.....: 0271552
MS Run Number: 0271280
Prep Time....: 14:00-18:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1562-1SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05120	C8-C9			ND	10			
05121	C10-C11			ND	10			
05122	C12-C13			ND	10			
05123	C14-C15			ND	10			
05124	C16-C17			ND	10			
05125	C18-C19			ND	10			
05132	C40+			ND	10			
05136	Total Carbon Chain Rang			7.116	10		J	J
05201	C20-C23			ND	10			
05202	C24-C27			ND	10			
05203	C28-C31			ND	10			
05204	C32-C35			ND	10			
05205	C36-C39			ND	10			

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	11.956	95.648		

Notes:
J Estimated result. Result is less than RL.

(Continued on next page)

Lot/Sample: E0I260285-043 C-66-5-5 TICs.....: N Report Results: Y
WO#.....: DL3HW-1-0M 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 : 285-43 Time : 10/6/00 10:21 AM
Sample Number: DL3HW10M Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/6/00 08:47 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

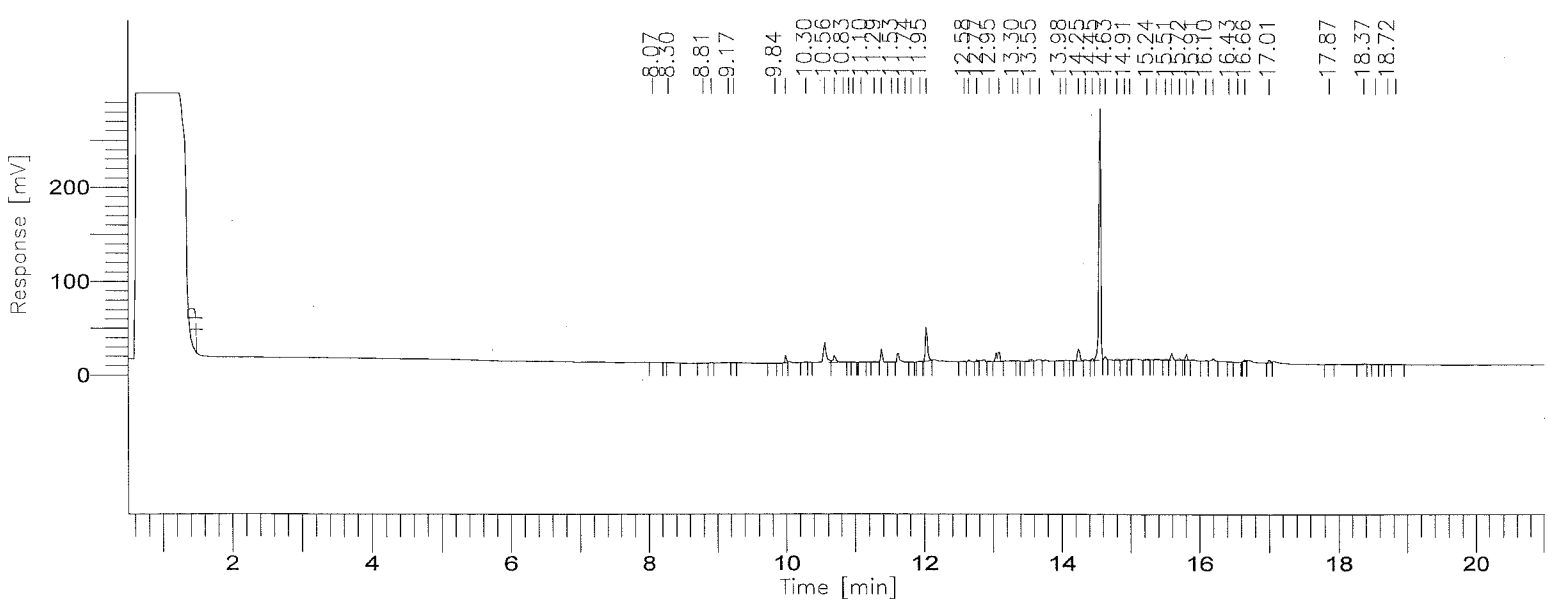
Raw Data File : C:\TC4\DATA_01\O05_049A.RAW
Result File : C:\TC4\DATA_01\O05_049A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O05_049A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O05A.SEQ

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: 60



001784

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
3.45	C8-C9	0	0.000	------	1.0	
5.77	C10-C11	0	0.000	------	1.0	
7.31	C12-C13	0	0.000	------	1.0	
8.59	C14-C15	5222	0.108	------	1.0	
9.69	C16-C17	19134	0.442	------	1.0	
10.72	C18-C19	89741	1.868	------	1.0	
12.02	C20-C23	151912	1.749	------	1.0	
13.53	C24-C27	66493	0.792	------	1.0	
14.82	C28-C31	606004	7.057	------	1.0	
15.90	C32-C35	50759	0.589	------	1.0	
16.99	C36-C39	11608	0.135	------	1.0	
19.29	C40+	10412	0.252	------	1.0	
		1011284	12.994			

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

No peaks available to report

Group Report For : C14-C15

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

8.07		1247	0.000	------	1.0
30		747	0.000	------	1.0
.80		1746	0.000	------	1.0
8.92		1482	0.000	------	1.0
		5222	0.001		

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
9.17		4014	0.001	------	1.0	
9.25		970	0.000	------	1.0	
9.84		1838	0.000	------	1.0	
10.00		12313	0.003	------	1.0	
		19134	0.005			

Group Report For : C18-C19

me [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
10.30		1886	0.000	------	1.0	
10.56		60740	0.015	------	1.0	
10.70		20125	0.005	------	1.0	
10.83		2541	0.001	------	1.0	
10.91		1396	0.000	------	1.0	
10.98		1222	0.000	------	1.0	
11.10		1831	0.000	------	1.0	
		89741	0.022			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
11.29		3536	0.001	------	1.0	
11.39		22664	0.006	------	1.0	
11.53		2129	0.001	------	1.0	
.62		25087	0.006	------	1.0	
11.74		1616	0.000	------	1.0	
11.82		2022	0.001	------	1.0	
11.95		2922	0.001	------	1.0	
12.04		81980	0.020	------	1.0	
12.58		2813	0.001	------	1.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
12.65		4135	0.001	------	1.0	
12.77		3009	0.001	------	1.0	
		151912	0.038			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
12.95		1027	0.000	------	1.0	
13.09		36172	0.009	------	1.0	
13.29		8223	0.002	------	1.0	
13.37		1668	0.000	------	1.0	
13.55		7419	0.002	------	1.0	
13.68		6619	0.002	------	1.0	
13.98		2670	0.001	------	1.0	
14.07		2695	0.001	------	1.0	
		66493	0.017			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
14.25		34440	0.009	------	1.0	
14.35		3544	0.001	------	1.0	
14.45		6049	0.002	------	1.0	
14.56		534775	0.134	------	1.0	
14.63		6817	0.002	------	1.0	
14.81		3920	0.001	------	1.0	
14.91		2806	0.001	------	1.0	
14.99		3556	0.001	------	1.0	
15.24		4330	0.001	------	1.0	
15.38		5766	0.001	------	1.0	
		606004	0.152			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
15.51		4170	0.001	------	1.0	
15.60		16739	0.004	------	1.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
15.72		4674	0.001	------	1.0	
15.81		11167	0.003	------	1.0	
15.91		3260	0.001	------	1.0	
16.10		2869	0.001	------	1.0	
16.20		7880	0.002	------	1.0	
		50759	0.013			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
16.43		726	0.000	------	1.0	
16.55		1101	0.000	------	1.0	
16.66		3643	0.001	------	1.0	
17.01		6138	0.002	------	1.0	
		11608	0.003			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
17.87		1282	0.000	------	1.0	
18.37		2592	0.001	------	1.0	
18.55		1172	0.000	------	1.0	
18.72		1883	0.000	------	1.0	
18.83		3484	0.001	------	1.0	
		10412	0.003			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O05_049A.TXO

Software Version: 4.1<2F12>
Sample Name : 285-43 Time : 10/6/00 09:08 AM
Sample Number: DL3HW10M Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/6/00 08:47 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

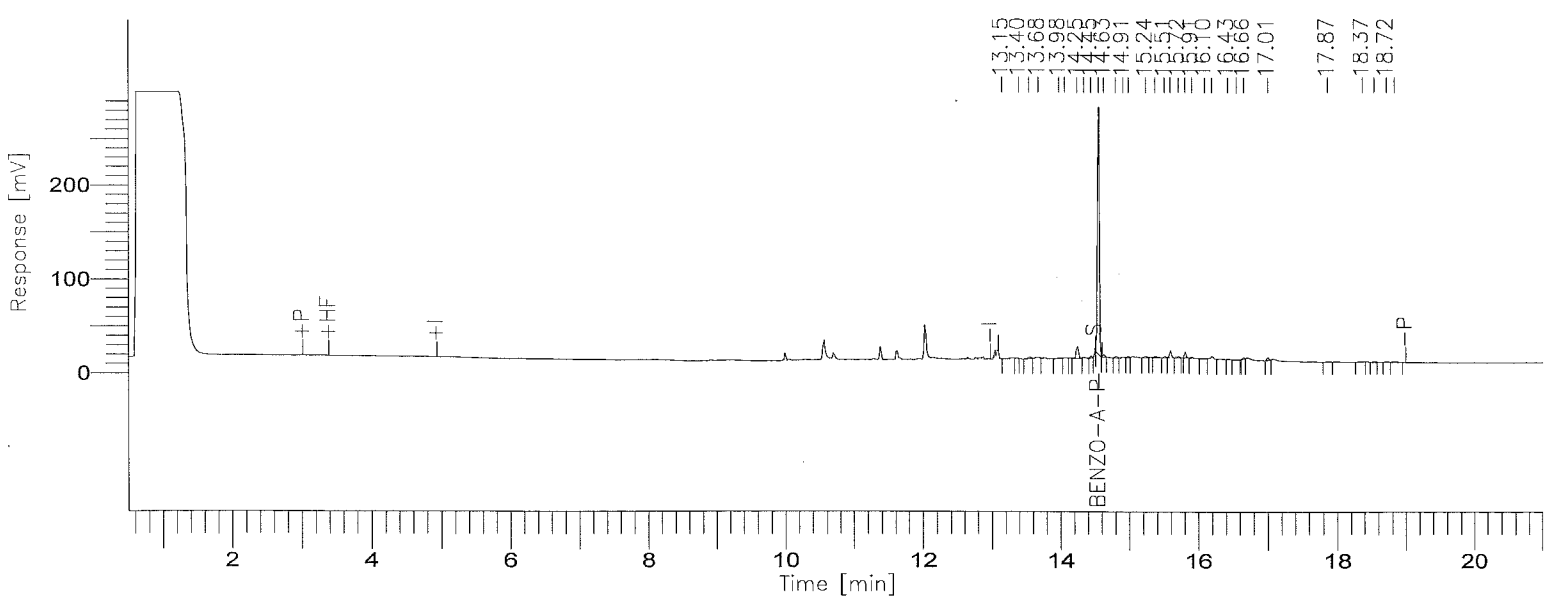
Raw Data File : C:\TC4\DATA_01\O05_049.RAW
Result File : C:\TC4\DATA_01\O05_049.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O05_049.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_01\O05.SEQ

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



001789

BOE-C6-0157352

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.03	DIESEL C10-C24	0	0.000	------	10.0	
14.56	BENZO-A-PYRENE	504696	11.956	95.7	10.0	
		504696	11.956			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\005_049.TX0

Lot/Sample: E0I260285-044 C-66-6-1 TICs.....: N Report Results: Y
WO#.....: DL3J1-1-0M 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: 10/06/00
Inject Time..: 9:18 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: 005_050A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....: 9/25/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/06 12:09:05
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 9/27/00
QC Batch.....: 0271552
MS Run Number: 0271280
Prep Time....: 14:00-18:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1562-1SCS/250PPM/1ML

Total Solids.: .00

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

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	10.526	84.208		

Software Version: 4.1<2F12>
Sample Name : 285-44 Time : 10/6/00 10:21 AM
Sample Number: DL3J110M Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/6/00 09:18 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

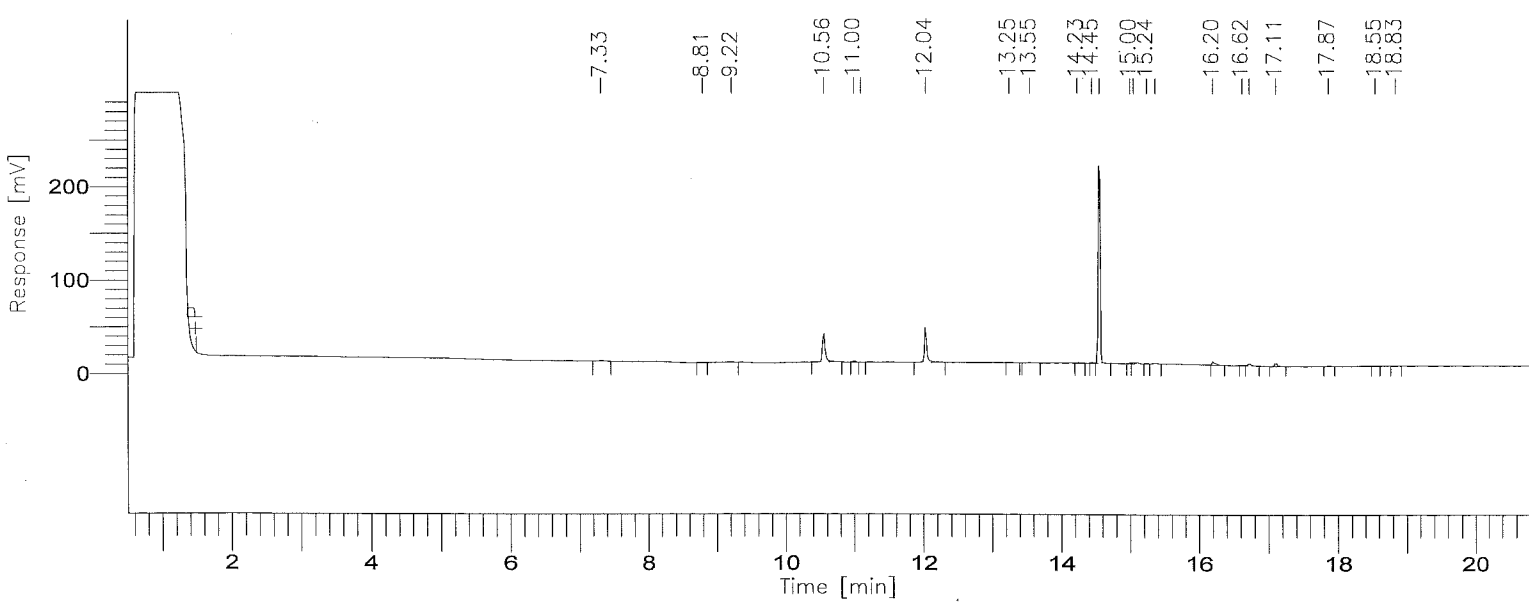
Raw Data File : C:\TC4\DATA_01\O05_050A.RAW
Result File : C:\TC4\DATA_01\O05_050A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O05_050A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O05A.SEQ

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



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
3.45	C8-C9	0	0.000	------	1.0	
5.77	C10-C11	0	0.000	------	1.0	
7.31	C12-C13	3920	0.091	------	1.0	
8.59	C14-C15	1832	0.038	------	1.0	
9.69	C16-C17	6464	0.149	------	1.0	
10.72	C18-C19	89600	1.865	------	1.0	
12.02	C20-C23	84398	0.972	------	1.0	
13.53	C24-C27	5320	0.063	------	1.0	
14.82	C28-C31	460824	5.366	------	1.0	
15.90	C32-C35	10813	0.126	------	1.0	
16.99	C36-C39	17616	0.206	------	1.0	
19.29	C40+	3702	0.090	------	1.0	
		684490	8.966			

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/L	FN
7.32		3920	0.001	------	1.0	
		3920	0.001			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
.80		1832	0.000	------	1.0	
		1832	0.000			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
9.22		6464	0.002	------	1.0	
		6464	0.002			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
10.56		85619	0.021	------	1.0	
.00		3362	0.001	------	1.0	
.10		619	0.000	------	1.0	
		89600	0.022			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
12.04		84398	0.021	------	1.0	
		84398	0.021			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
13.25		1004	0.000	------	1.0	
.55		1769	0.000	------	1.0	
14.23		2547	0.001	------	1.0	
		5320	0.001			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
14.45		2387	0.001	------	1.0	
14.56		445670	0.111	------	1.0	
15.00		2325	0.001	------	1.0	
15.05		6107	0.002	------	1.0	
15.24		2239	0.001	------	1.0	
15.37		2096	0.001	------	1.0	
		460824	0.115			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
16.20		10813	0.003	------	1.0	
		10813	0.003			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
16.62		1787	0.000	------	1.0	
16.72		7078	0.002	------	1.0	
17.11		8750	0.002	------	1.0	
		17616	0.004			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
17.87		1436	0.000	------	1.0	
18.55		1093	0.000	------	1.0	
18.83		1174	0.000	------	1.0	
		3702	0.001			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

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STD - LOS ANGELES

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Report stored in ASCII file: C:\TC4\DATA_01\005_050A.TX0

Software Version: 4.1<2F12>
Sample Name : 285-44 Time : 10/6/00 09:39 AM
Sample Number: DL3J110M Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/6/00 09:18 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

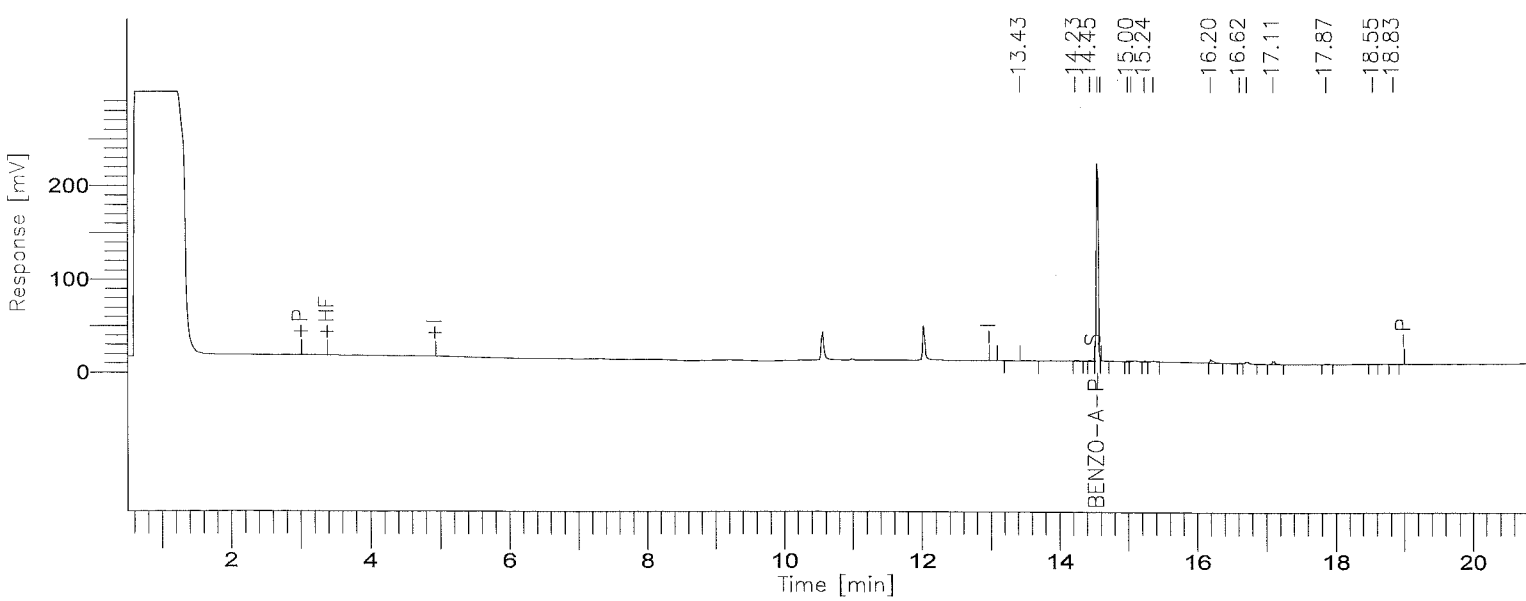
Raw Data File : C:\TC4\DATA_01\O05_050.RAW
Result File : C:\TC4\DATA_01\O05_050.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O05_050.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_01\O05.SEQ

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

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

Instrument Conditions:

Total number of peaks detected: 17



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.03	DIESEL C10-C24	0	0.000	------	10.0	
14.56	BENZO-A-PYRENE	444317	10.526	84.2	10.0	
		444317	10.526			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\005_050.TX0

Lot/Sample: E0I260285-045 C-66-6-5 TICs.....: N Report Results: Y
WO#.....: DL3J2-1-0M 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: 10/06/00
Inject Time..: 9:48 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: 005_051A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....: 9/25/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/06 12:09:23
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 9/27/00
QC Batch.....: 0271552
MS Run Number: 0271280
Prep Time....: 14:00-18:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1562-1SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05120	C8-C9			ND	10			
05121	C10-C11			ND	10			
05122	C12-C13			ND	10			
05123	C14-C15			ND	10			
05124	C16-C17			ND	10			
05125	C18-C19			ND	10			
05132	C40+			ND	10			
05136	Total Carbon Chain Rang			11.964	10			
05201	C20-C23			ND	10			
05202	C24-C27			ND	10			
05203	C28-C31			ND	10			
05204	C32-C35			ND	10			
05205	C36-C39			ND	10			

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	11.788	94.304		

Software Version: 4.1<2F12>
Sample Name : 285-45 Time : 10/6/00 10:21 AM
Sample Number: DL3J210M Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/6/00 09:48 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

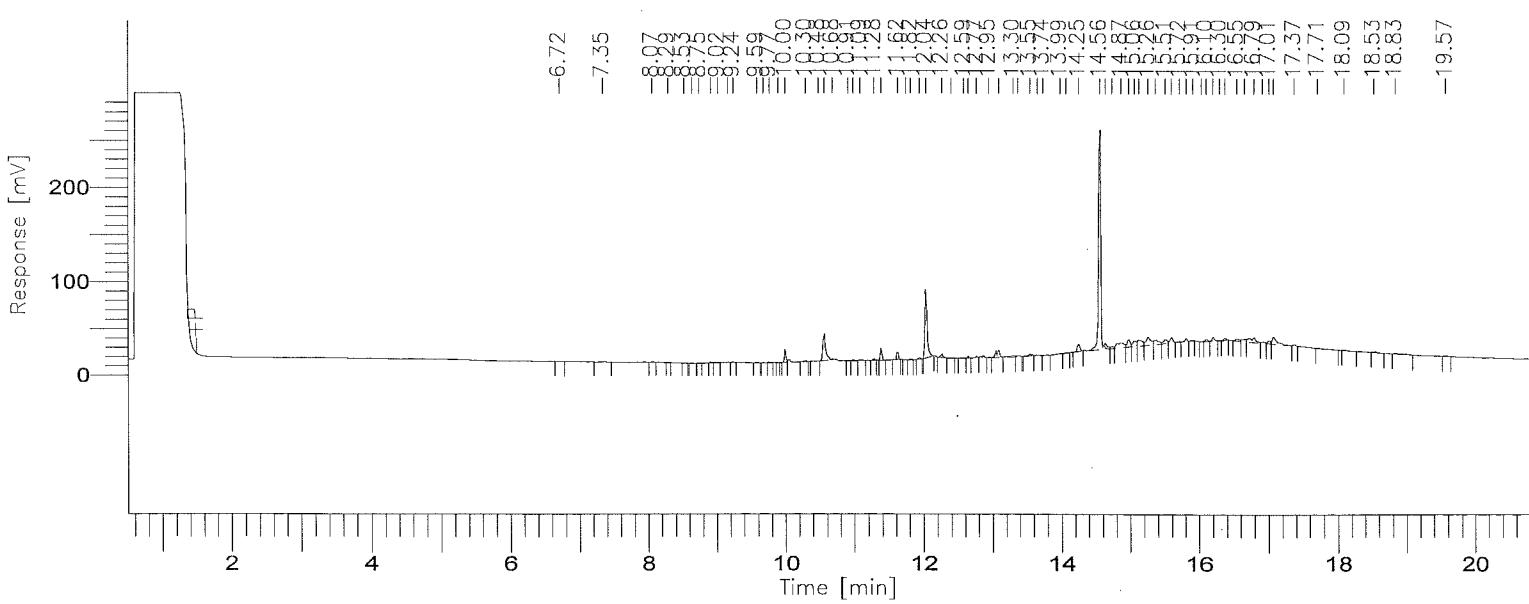
Raw Data File : C:\TC4\DATA_01\O05_051A.RAW
Result File : C:\TC4\DATA_01\O05_051A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O05_051A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O05A.SEQ

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: 76



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
3.45	C8-C9	0	0.000	------	1.0	
5.77	C10-C11	0	0.000	------	1.0	
7.31	C12-C13	3484	0.081	------	1.0	
8.59	C14-C15	8201	0.170	------	1.0	
9.69	C16-C17	28749	0.664	------	1.0	
10.72	C18-C19	97241	2.024	------	1.0	
12.02	C20-C23	235830	2.715	------	1.0	
13.53	C24-C27	63250	0.753	------	1.0	
14.82	C28-C31	754014	8.781	------	1.0	
15.90	C32-C35	74487	0.865	------	1.0	
16.99	C36-C39	113782	1.328	------	1.0	
19.29	C40+	15567	0.377	------	1.0	
		1394604	17.759			

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/L	FN
6.72		754	0.000	------	1.0	
[illegible].34		2730	0.001	------	1.0	
		3484	0.001			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
8.07		584	0.000	------	1.0	
8.29		829	0.000	------	1.0	
8.53		1056	0.000	------	1.0	
8.65		499	0.000	------	1.0	
8.75		543	0.000	------	1.0	
8.92		2541	0.001	------	1.0	
9.02		2148	0.001	------	1.0	
		8201	0.002			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
9.17		2686	0.001	------	1.0	
9.24		1532	0.000	------	1.0	
9.59		1168	0.000	------	1.0	
.68		736	0.000	------	1.0	
9.77		1978	0.000	------	1.0	
9.90		218	5.462e-05	------	1.0	
10.00		20430	0.005	------	1.0	
		28749	0.007			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
10.29		3232	0.001	------	1.0	
10.48		1163	0.000	------	1.0	
10.56		81786	0.020	------	1.0	
10.68		2033	0.001	------	1.0	
10.91		1305	0.000	------	1.0	
10.98		3873	0.001	------	1.0	
11.09		3848	0.001	------	1.0	
		97241	0.024			

Group Report For : C20-C23

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

11.28	3570	0.001	------	1.0	
11.38	20586	0.005	------	1.0	
11.62	15698	0.004	------	1.0	
11.75	638	0.000	------	1.0	
11.82	3048	0.001	------	1.0	
11.94	4046	0.001	------	1.0	
12.04	169761	0.042	------	1.0	
12.26	9096	0.002	------	1.0	
12.40	1308	0.000	------	1.0	
12.59	1786	0.000	------	1.0	
12.65	3244	0.001	------	1.0	
12.77	3048	0.001	------	1.0	
	235830	0.059			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
12.95		864	0.000	------	1.0	
13.09		27834	0.007	------	1.0	
13.30		7250	0.002	------	1.0	
13.37		3795	0.001	------	1.0	
13.55		9150	0.002	------	1.0	
13.65		5035	0.001	------	1.0	
13.74		2661	0.001	------	1.0	
13.98		3684	0.001	------	1.0	
14.07		2979	0.001	------	1.0	
		63250	0.016			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
14.25		24468	0.006	------	1.0	
14.56		518604	0.130	------	1.0	
14.63		15757	0.004	------	1.0	
14.73		7895	0.002	------	1.0	
14.87		40940	0.010	------	1.0	
14.98		25372	0.006	------	1.0	
15.06		23442	0.006	------	1.0	
15.13		31530	0.008	------	1.0	
15.26		43634	0.011	------	1.0	
15.37		22372	0.006	------	1.0	
		754014	0.189			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
15.51		17444	0.004	------	1.0	
15.60		17022	0.004	------	1.0	
15.72		4184	0.001	------	1.0	
15.82		7166	0.002	------	1.0	
15.91		2390	0.001	------	1.0	
16.03		1212	0.000	------	1.0	
16.10		6613	0.002	------	1.0	
16.20		10584	0.003	------	1.0	
16.30		1643	0.000	------	1.0	
16.37		6230	0.002	------	1.0	
		74487	0.019			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
[illegible].55		11126	0.003	------	1.0	
16.66		11390	0.003	------	1.0	
16.79		35079	0.009	------	1.0	
16.92		5689	0.001	------	1.0	
17.01		9989	0.002	------	1.0	
17.07		37250	0.009	------	1.0	
17.37		3260	0.001	------	1.0	
		113782	0.028			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/L	FN
17.71		1818	0.000	------	1.0	
18.09		1557	0.000	------	1.0	
18.53		4841	0.001	------	1.0	
18.83		5486	0.001	------	1.0	
19.57		1866	0.000	------	1.0	
		15567	0.004			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

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S.. - LOS ANGELES

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Report stored in ASCII file: C:\TC4\DATA_01\O05_051A.TX0

Software Version: 4.1<2F12>
Sample Name : 285-45 Time : 10/6/00 10:09 AM
Sample Number: DL3J210M Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/6/00 09:48 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

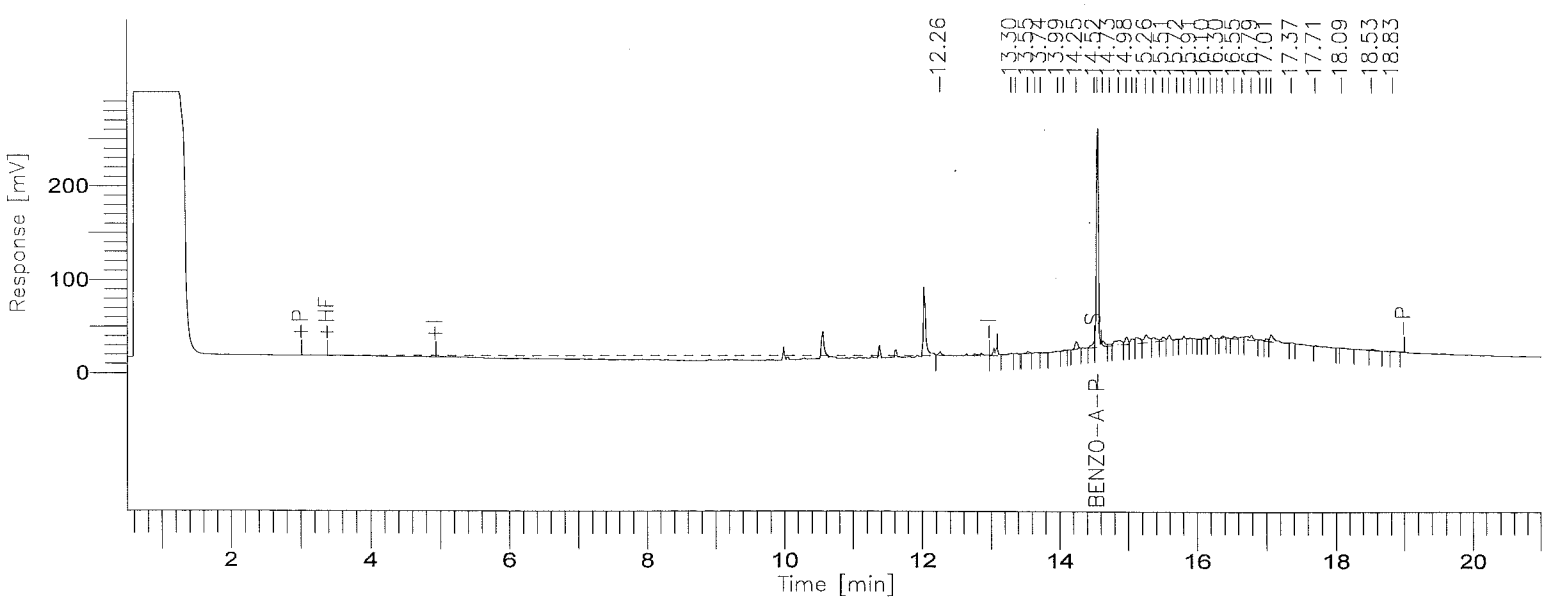
Raw Data File : C:\TC4\DATA_01\O05_051.RAW
Result File : C:\TC4\DATA_01\O05_051.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O05_051.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_01\O05.SEQ

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: 40



001806

BOE-C6-0157369

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.03	DIESEL C10-C24	0	0.000	------	10.0	
14.56	BENZO-A-PYRENE	497580	11.788	94.3	10.0	
		497580	11.788			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O05_051.TX0

TEPH

SAMPLE AND QC DATA

Date(s) Analyzed: 10-6-00

Instrument ID: GC1 GC2 GC3

Lab #: EOI260285

Batch #: 0271552

Samples: B, 47, 48, 49, 50

ICAL 10-3

Lot/Sample: E0I270000-552B INTRA-LAB BLANK TICs.....: N Report Results: Y
WO#.....: DL60H-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: 10/06/00
Inject Time..: 11:49 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O05_055
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....: 9/26/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/06 15:25:51
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 9/27/00
QC Batch.....: 0271552
MS Run Number:
Prep Time....: 14:00-18:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1562-1SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
03052	TPH (as Diesel)			ND	10	5		
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		
05132	C40+			ND	10	5		
05136	Total Carbon Chain Rang			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		

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	10.737	85.896		

Software Version: 4.1<2F12>
Sample Name : 285-MB
Sample Number: DL60H101B
Operator :

Time : 10/6/00 01:24 PM
Study : ICAL 8/28/00

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

Channel : A A/D mV Range : 1000

Interface Serial # : 2136574898 Data Acquisition Time: 10/6/00 11:49 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_01\O05_055A.RAW
Result File : C:\TC4\DATA_01\O05_055A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O05_055A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O05.SEQ

Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

Noise Threshold: 50
Multiplier : 5.0000

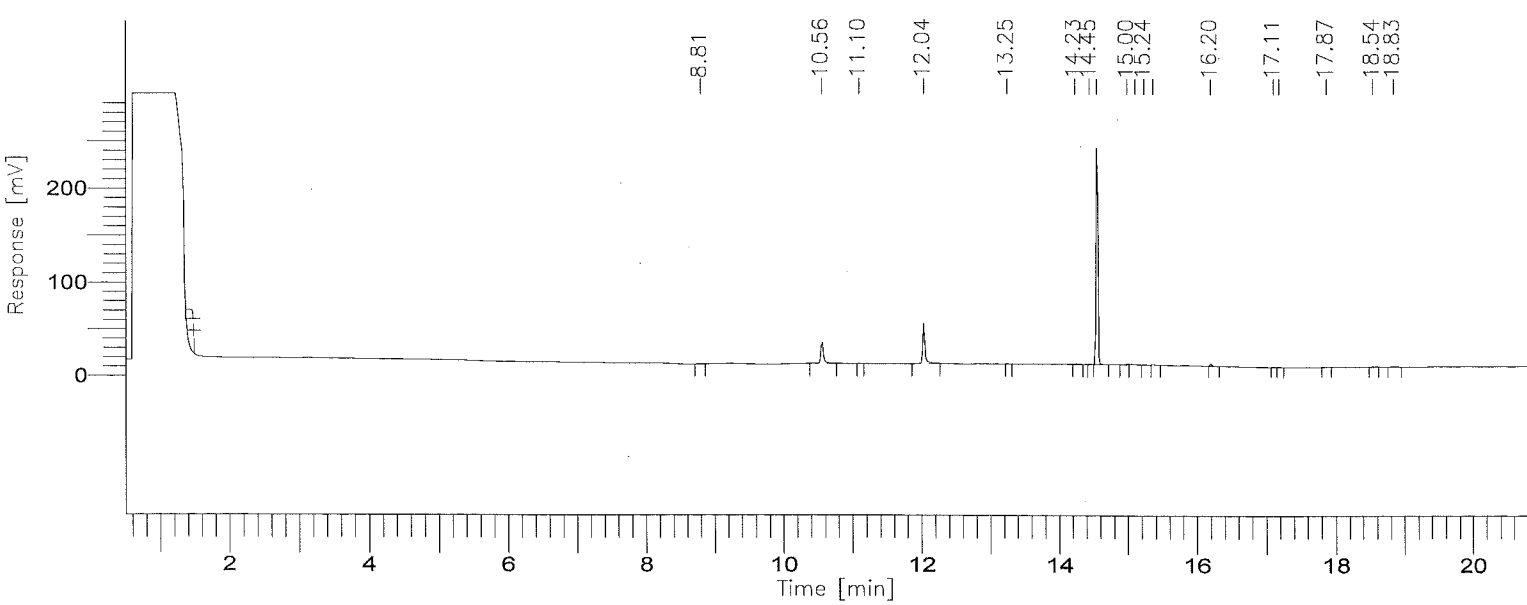
Area Threshold : 200
Divisor : 20.0000

Bunch Factor: 1
Addend : 0.0000

User1 : TPHDA
User2 :
User3 :
User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 18



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	0	0.000	------	10.0	
5.77	C10-C11	0	0.000	------	10.0	
7.31	C12-C13	0	0.000	------	10.0	
8.59	C14-C15	653	0.014	------	10.0	
9.69	C16-C17	0	0.000	------	10.0	
10.72	C18-C19	61546	1.281	------	10.0	
12.02	C20-C23	96286	1.109	------	10.0	
13.53	C24-C27	3693	0.044	------	10.0	
14.82	C28-C31	469310	5.465	------	10.0	
15.90	C32-C35	4620	0.054	------	10.0	
16.99	C36-C39	1058	0.012	------	10.0	
19.29	C40+	3928	0.095	------	10.0	
		641094	8.074			

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

No peaks available to report

Group Report For : C14-C15

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

8.80		653	0.000	------	10.0
		653	0.000		

Group Report For : C16-C17

No peaks available to report

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.56		60876	0.015	------	10.0	
11.10		669	0.000	------	10.0	
		61546	0.015			

oup Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.04		96286	0.024	------	10.0	
		96286	0.024			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
13.25		849	0.000	------	10.0	
14.23		2844	0.001	------	10.0	
		3693	0.001			

Group Report For : C28-C31

ıme [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.45		2280	0.001	------	10.0	
14.56		454702	0.114	------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
[illegible].00		2835	0.001	------	10.0	
15.11		4987	0.001	------	10.0	
15.24		2498	0.001	------	10.0	
15.37		2009	0.001	------	10.0	
		469310	0.117			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.20		4620	0.001	------	10.0	
		4620	0.001			

Group Report For : C36-C39

Time in]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.10		658	0.000	------	10.0	
17.18		400	0.000	------	10.0	
		1058	0.000			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.87		1308	0.000	------	10.0	
18.54		833	0.000	------	10.0	
18.83		1787	0.000	------	10.0	
		3928	0.001			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

Report stored in ASCII file: C:\TC4\DATA_01\O05_055A.TX0

Software Version: 4.1<2F12>
Sample Name : 285-MB Time : 10/6/00 12:10 PM
Sample Number: DL60H101B Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/6/00 11:49 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

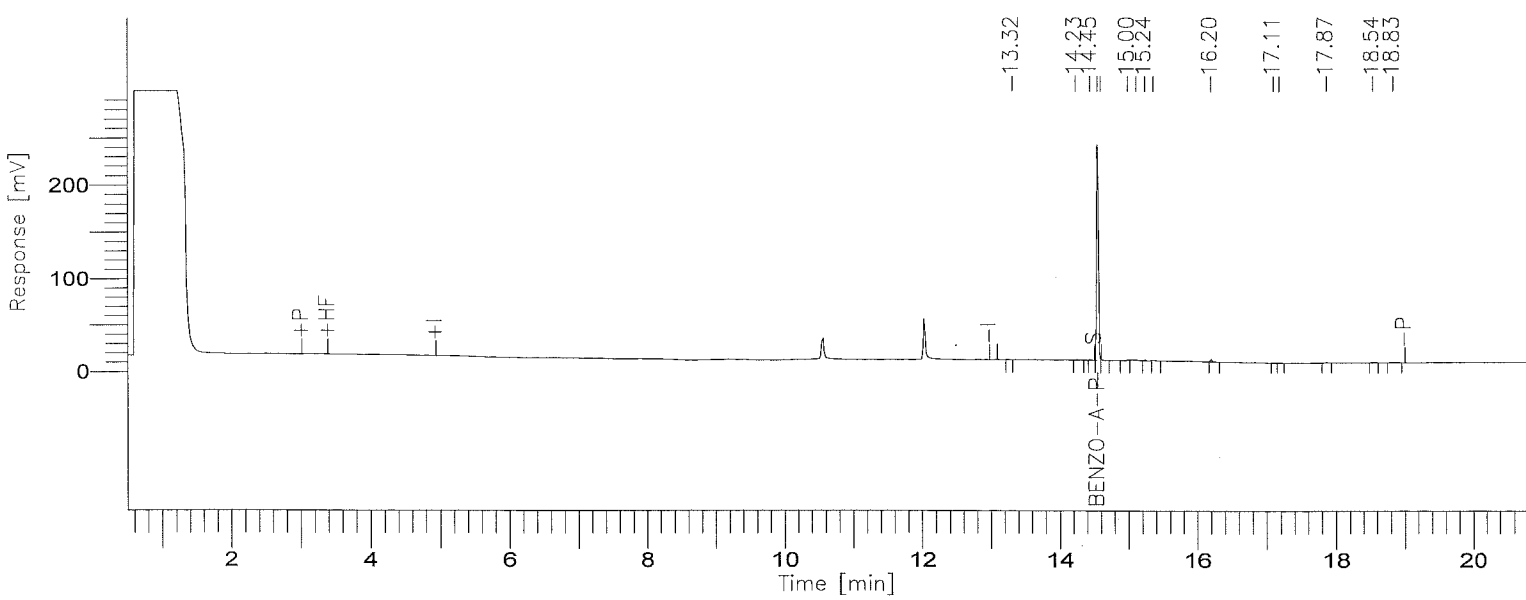
Raw Data File : C:\TC4\DATA_01\O05_055.RAW
Result File : C:\TC4\DATA_01\O05_055.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O05_055.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_01\O05.SEQ

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



001815

BOE-C6-0157378

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.03	DIESEL C10-C24	0	0.000	------	10.0	
14.56	BENZO-A-PYRENE	453210	10.737	85.9	10.0	
		453210	10.737			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\005_055.TX0

Lot/Sample: E0I260285-047 C-66-7-1 TICs.....: N Report Results: Y
WO#.....: DL3J4-1-0M Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....:
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/06/00
Inject Time..: 10:18 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: 005_052
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....: 9/25/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/06 15:13:20
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 9/27/00
QC Batch.....: 0271552
MS Run Number: 0271280
Prep Time....: 14:00-18:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1562-1SCS/250PPM/1ML

Total Solids..: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05120	C8-C9			ND	10			
05121	C10-C11			ND	10			
05122	C12-C13			ND	10			
05123	C14-C15			ND	10			
05124	C16-C17			ND	10			
05125	C18-C19			ND	10			
05132	C40+			ND	10			
05136	Total Carbon Chain Rang			7.198	10		J	J
05201	C20-C23			ND	10			
05202	C24-C27			ND	10			
05203	C28-C31			ND	10			
05204	C32-C35			ND	10			
05205	C36-C39			ND	10			

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	11.152	89.216		

Notes:

J Estimated result. Result is less than RL.

(Continued on next page)

Lot/Sample: E0I260285-047 C-66-7-1 TICs.....: N Report Results: Y
WO#.....: DL3J4-1-0M Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....:
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Notes:

Software Version: 4.1<2F12>
Sample Name : 285-47 Time : 10/6/00 02:07 PM
Sample Number: DL3J410M Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/6/00 10:18 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

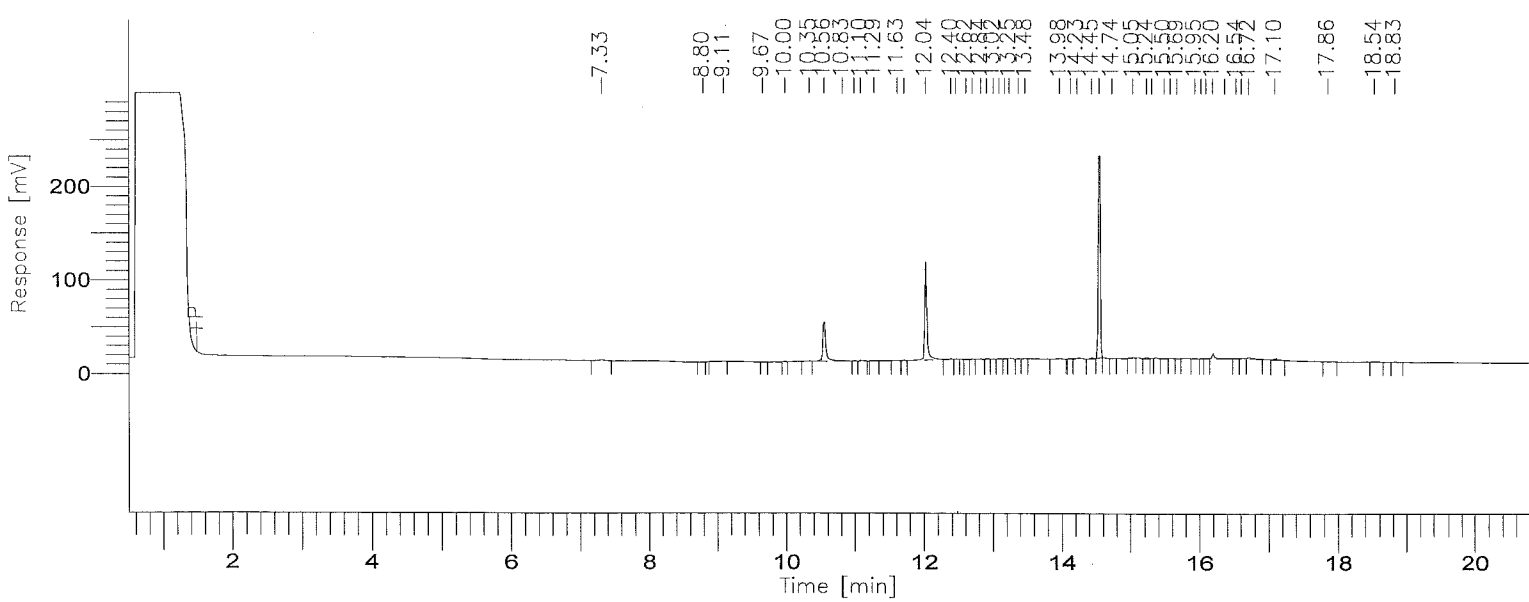
Raw Data File : C:\TC4\DATA_01\O05_052A.RAW
Result File : C:\TC4\DATA_01\O05_052A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O05_052A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O05.SEQ

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: 50



001819

BOE-C6-0157382

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	0	0.000	------	10.0	
5.77	C10-C11	0	0.000	------	10.0	
7.31	C12-C13	5603	0.131	------	10.0	
8.59	C14-C15	2496	0.052	------	10.0	
9.69	C16-C17	1640	0.038	------	10.0	
10.72	C18-C19	138596	2.885	------	10.0	
12.02	C20-C23	249971	2.878	------	10.0	
13.53	C24-C27	29161	0.347	------	10.0	
14.82	C28-C31	479024	5.578	------	10.0	
15.90	C32-C35	28200	0.327	------	10.0	
16.99	C36-C39	24729	0.289	------	10.0	
19.29	C40+	6396	0.155	------	10.0	
		965816	12.680			

Group Report For : C8-C9

No peaks available to report

Group Report For : C10-C11

No peaks available to report

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.33		5603	0.001	------	10.0	
		5603	0.001			

Group Report For : C14-C15

001820

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
[illegible].80		744	0.000	------	10.0	
9.11		1752	0.000	------	10.0	
		2496	0.001			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.67		431	0.000	------	10.0	
10.00		1208	0.000	------	10.0	
		1640	0.000			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
[illegible].35		1515	0.000	------	10.0	
10.56		126461	0.032	------	10.0	
10.83		7755	0.002	------	10.0	
11.00		560	0.000	------	10.0	
11.10		2305	0.001	------	10.0	
		138596	0.035			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.29		1252	0.000	------	10.0	
11.63		1040	0.000	------	10.0	
11.73		1195	0.000	------	10.0	
12.03		237263	0.059	------	10.0	
12.40		4078	0.001	------	10.0	
12.47		1594	0.000	------	10.0	
12.62		756	0.000	------	10.0	
[illegible].71		2794	0.001	------	10.0	
		249971	0.062			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.84		4094	0.001	------	10.0	
12.92		2774	0.001	------	10.0	
13.02		1440	0.000	------	10.0	
13.10		3094	0.001	------	10.0	
13.18		2150	0.001	------	10.0	
13.25		3754	0.001	------	10.0	
13.38		1135	0.000	------	10.0	
13.48		946	0.000	------	10.0	
13.98		3089	0.001	------	10.0	
14.14		936	0.000	------	10.0	
14.23		5747	0.001	------	10.0	
		29161	0.007			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.45		2977	0.001	------	10.0	
[illegible].56		467204	0.117	------	10.0	
14.74		825	0.000	------	10.0	
15.05		3898	0.001	------	10.0	
15.24		3736	0.001	------	10.0	
15.32		384	9.588e-05	------	10.0	
		479024	0.120			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.50		1165	0.000	------	10.0	
15.59		1002	0.000	------	10.0	
15.69		658	0.000	------	10.0	
15.95		869	0.000	------	10.0	
16.03		614	0.000	------	10.0	
16.11		2075	0.001	------	10.0	
16.20		15767	0.004	------	10.0	
16.37		6050	0.002	------	10.0	
		28200	0.007			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.54		4681	0.001	------	10.0	
16.62		5652	0.001	------	10.0	
16.72		9131	0.002	------	10.0	
17.10		5265	0.001	------	10.0	
		24729	0.006			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.86		2089	0.001	------	10.0	
18.54		2416	0.001	------	10.0	
18.83		1892	0.000	------	10.0	
		6396	0.002			

Missing Component Report

mponent	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O05_052A.TX0

Software Version: 4.1<2F12>
Sample Name : 285-47 Time : 10/6/00 02:07 PM
Sample Number: DL3J410M Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/6/00 10:18 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

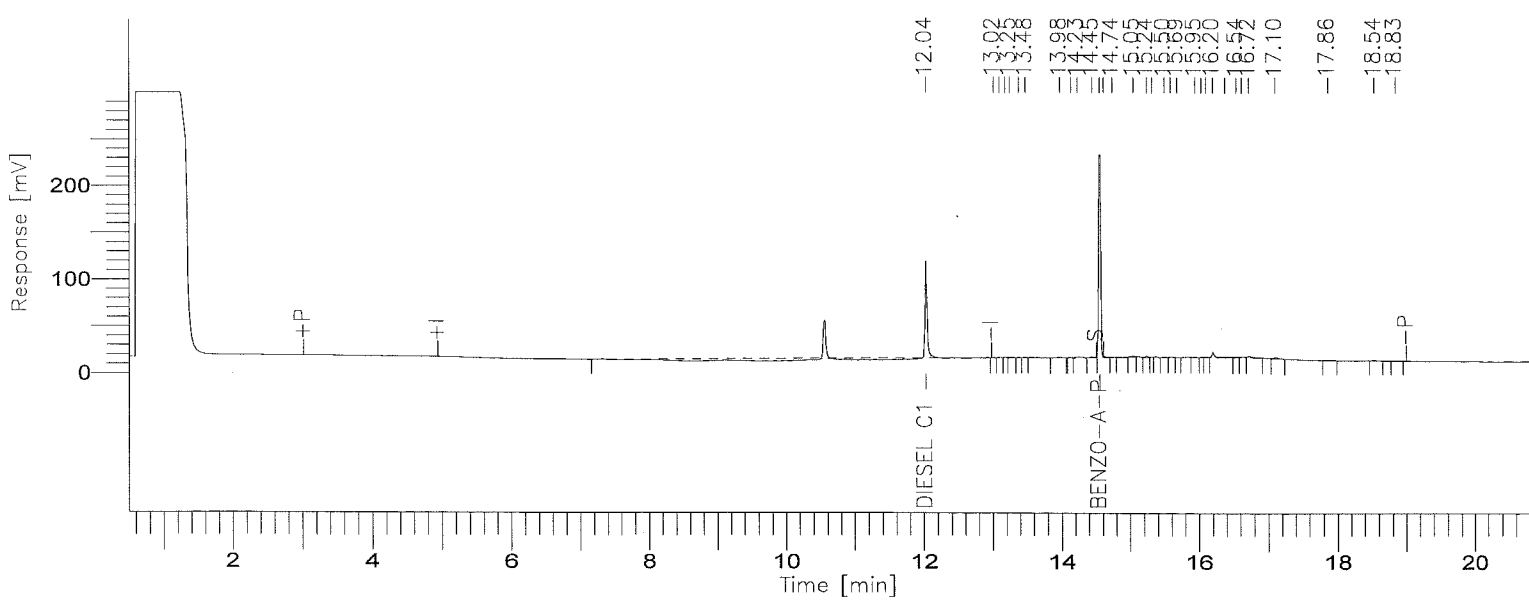
Raw Data File : C:\TC4\DATA_01\O05_052.RAW
Result File : C:\TC4\DATA_01\O05_052.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O05_052.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O05_052.R
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O05_052.R
Sequence File : C:\TC4\DATA_01\O05.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



001824

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.03	DIESEL C10-C24	105517	3.569	------	10.0	
14.56	BENZO-A-PYRENE	470736	11.152	89.2	10.0	
		576253	14.721			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O05_052.TX0

Lot/Sample: E0I260285-048 C-66-7-5 TICs.....: N Report Results: Y
WO#.....: DL3J5-1-0M 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: 10/06/00
Inject Time..: 10:48 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O05_053A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....: 9/25/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/06 14:56:23
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 9/27/00
QC Batch.....: 0271552
MS Run Number: 0271280
Prep Time....: 14:00-18:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1562-1SCS/250PPM/1ML

Total Solids.: .00

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

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	12.241	97.928		

Software Version: 4.1<2F12>
Sample Name : 285-48 Time : 10/6/00 01:24 PM
Sample Number: DL3J510M Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/6/00 10:48 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

C-chain

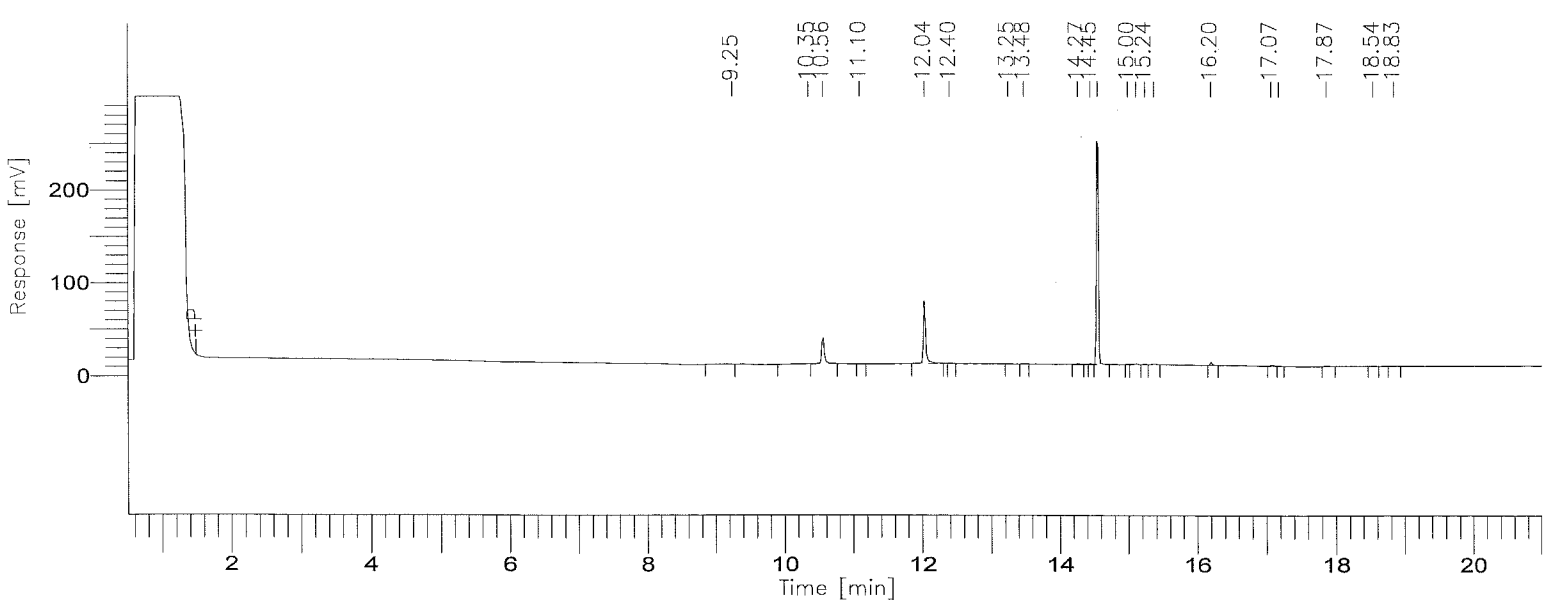
Raw Data File : C:\TC4\DATA_01\O05_053A.RAW
Result File : C:\TC4\DATA_01\O05_053A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O05_053A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O05.SEQ

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

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

Instrument Conditions:

Total number of peaks detected: 21



001827

BOE-C6-0157390

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	0	0.000	------	10.0	
5.77	C10-C11	0	0.000	------	10.0	
7.31	C12-C13	0	0.000	------	10.0	
8.59	C14-C15	0	0.000	------	10.0	
9.69	C16-C17	4260	0.098	------	10.0	
10.72	C18-C19	88410	1.840	------	10.0	
12.02	C20-C23	149430	1.721	------	10.0	
13.53	C24-C27	1688	0.020	------	10.0	
14.82	C28-C31	536614	6.249	------	10.0	
15.90	C32-C35	5745	0.067	------	10.0	
16.99	C36-C39	4059	0.047	------	10.0	
19.29	C40+	5246	0.127	------	10.0	
		795450	10.170			

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

No peaks available to report

Group Report For : C14-C15

No peaks available to report

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.25		4260	0.001	------	10.0	
		4260	0.001			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.35		8296	0.002	------	10.0	
10.56		78887	0.020	------	10.0	
11.10		1227	0.000	------	10.0	
		88410	0.022			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.04		148910	0.037	------	10.0	
12.40		519	0.000	------	10.0	
		149430	0.037			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
13.25		1188	0.000	------	10.0	
13.48		500	0.000	------	10.0	
		1688	0.000			

Group Report For : C28-C31

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

14.27	2620	0.001	------	10.0
14.45	2691	0.001	------	10.0
1 56	518352	0.130	------	10.0
1[illegible].00	2643	0.001	------	10.0
15.11	4845	0.001	------	10.0
15.24	2882	0.001	------	10.0
15.37	2581	0.001	------	10.0
	536614	0.134		

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.20		5745	0.001	------	10.0	
		5745	0.001			

Group Report For : C36-C39

Time in]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.07		3543	0.001	------	10.0	
17.18		516	0.000	------	10.0	
		4059	0.001			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.87		2489	0.001	------	10.0	
18.54		982	0.000	------	10.0	
18.83		1775	0.000	------	10.0	
		5246	0.001			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

Report stored in ASCII file: C:\TC4\DATA_01\O05_053A.TX0

Software Version: 4.1<2F12>
Sample Name : 285-48
Sample Number: DL3J510M
Operator :

Time : 10/6/00 11:09 AM
Study : ICAL 8/28/00

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

Channel : A A/D mV Range : 1000

Interface Serial # : 2136574898
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Data Acquisition Time: 10/6/00 10:48 AM

Diesel

Raw Data File : C:\TC4\DATA_01\O05_053.RAW
Result File : C:\TC4\DATA_01\O05_053.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O05_053.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_01\O05.SEQ

Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

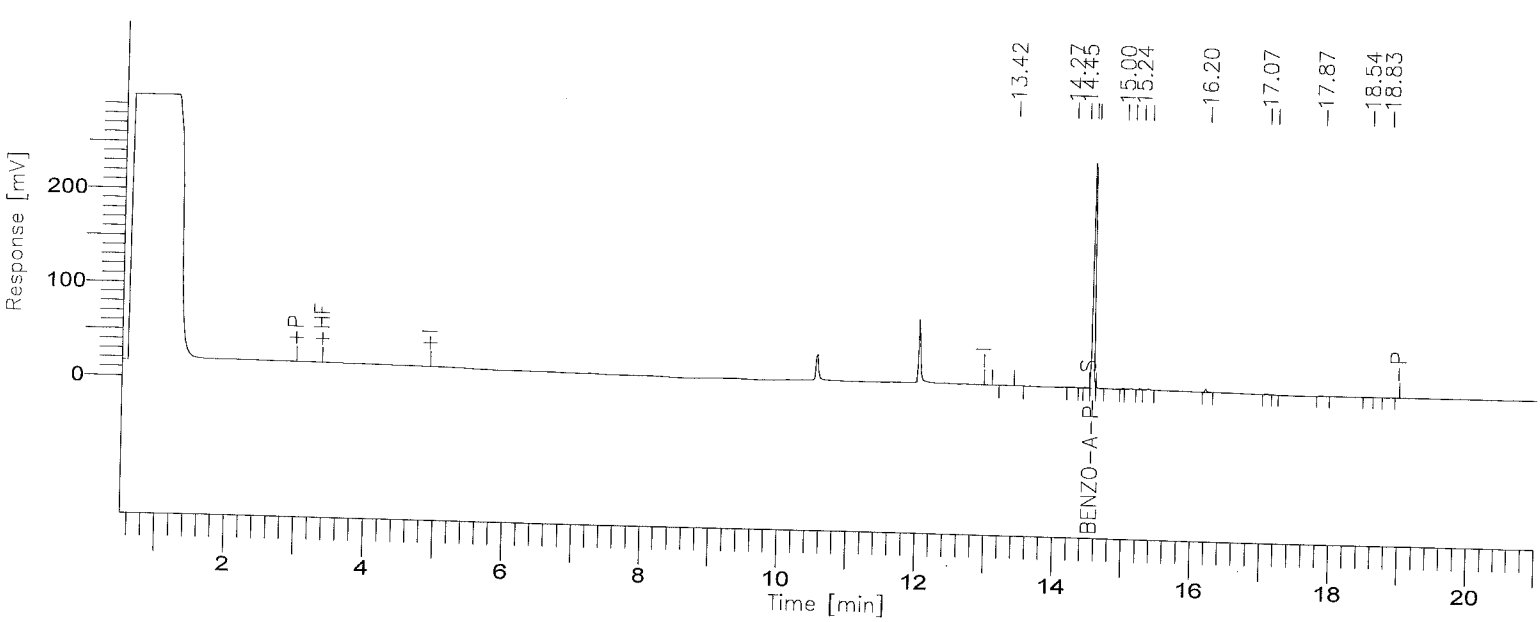
Noise Threshold: 50
Multiplier : 5.0000
User1 : TPHDA
User3 :
User5 :

Area Threshold : 200
Divisor : 20.0000
User2 :
User4 :

Bunch Factor: 1
Addend : 0.0000

Instrument Conditions:

Total number of peaks detected: 16



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.03	DIESEL C10-C24	0	0.000	------	10.0	
14.56	BENZO-A-PYRENE	516687	12.241	97.9	10.0	
		516687	12.241			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\005_053.TX0

Lot/Sample: E0I260285-049 C-66-9-1 TICs.....: N Report Results: Y
WO#.....: DL3J6-1-0M 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: 10/06/00
Inject Time..: 11:19 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O05_054A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....: 9/25/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/06 14:56:55
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 9/27/00
QC Batch.....: 0271552
MS Run Number: 0271280
Prep Time....: 14:00-18:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1562-1SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05120	C8-C9			ND	10			
05121	C10-C11			ND	10			
05122	C12-C13			ND	10			
05123	C14-C15			ND	10			
05124	C16-C17			ND	10			
05125	C18-C19			ND	10			
05132	C40+			ND	10			
05136	Total Carbon Chain Rang			7.137	10		J	J
05201	C20-C23			ND	10			
05202	C24-C27			ND	10			
05203	C28-C31			ND	10			
05204	C32-C35			ND	10			
05205	C36-C39			ND	10			

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	9.749	77.992		

Notes:

J Estimated result. Result is less than RL.

(Continued on next page)

Lot/Sample: E0I260285-049 C-66-9-1 TICs.....: N Report Results: Y
WO#.....: DL3J6-1-0M 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 : 285-49 Time : 10/6/00 01:24 PM
Sample Number: DL3J610M Study : ICAL 8/28/00
C rator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/6/00 11:19 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

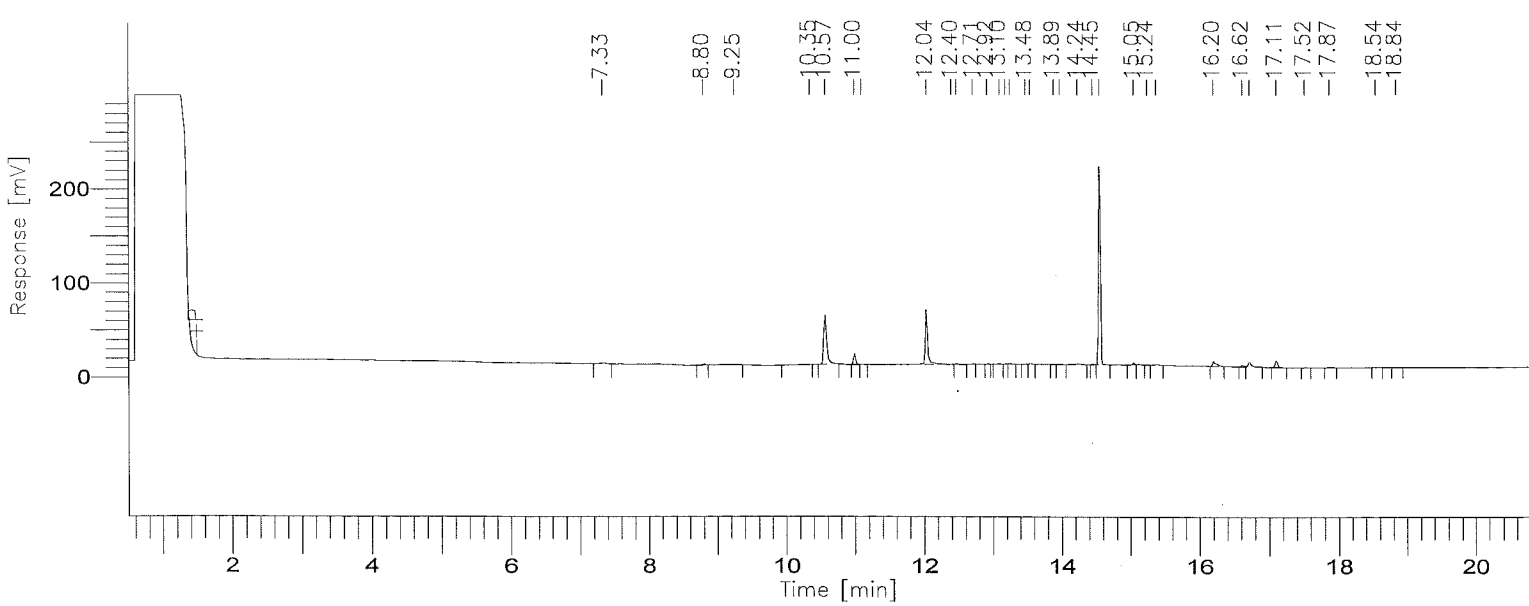
Raw Data File : C:\TC4\DATA_01\O05_054A.RAW
Result File : C:\TC4\DATA_01\O05_054A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O05_054A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O05.SEQ

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

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

Instrument Conditions:

Total number of peaks detected: 33



001836

BOE-C6-0157399

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	0	0.000	------	10.0	
5.77	C10-C11	0	0.000	------	10.0	
7.31	C12-C13	5461	0.127	------	10.0	
8.59	C14-C15	3940	0.082	------	10.0	
9.69	C16-C17	8336	0.193	------	10.0	
10.72	C18-C19	189436	3.944	------	10.0	
12.02	C20-C23	143392	1.651	------	10.0	
13.53	C24-C27	15025	0.179	------	10.0	
14.82	C28-C31	425794	4.958	------	10.0	
15.90	C32-C35	16860	0.196	------	10.0	
16.99	C36-C39	38946	0.455	------	10.0	
19.29	C40+	5996	0.145	------	10.0	
		853187	11.929			

Group Report For : C8-C9

No peaks available to report

Group Report For : C10-C11

No peaks available to report

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.33		5461	0.001	------	10.0	
		5461	0.001			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
.80		3940	0.001	------	10.0	
		3940	0.001			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.25		8336	0.002	------	10.0	
		8336	0.002			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.35		3463	0.001	------	10.0	
.57		158644	0.040	------	10.0	
.00		25772	0.006	------	10.0	
11.10		1558	0.000	------	10.0	
		189436	0.047			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.04		135138	0.034	------	10.0	
12.40		5013	0.001	------	10.0	
12.47		1861	0.000	------	10.0	
12.71		1380	0.000	------	10.0	
		143392	0.036			

Group Report For : C24-C27

me [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.92		742	0.000	------	10.0	
13.10		1299	0.000	------	10.0	
13.18		922	0.000	------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
13.25		2532	0.001	------	10.0	
13.48		764	0.000	------	10.0	
13.55		2228	0.001	------	10.0	
13.88		537	0.000	------	10.0	
13.98		1020	0.000	------	10.0	
14.23		4980	0.001	------	10.0	
		15025	0.004			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.45		2460	0.001	------	10.0	
14.56		413295	0.103	------	10.0	
15.05		4814	0.001	------	10.0	
15.24		2515	0.001	------	10.0	
15.37		2711	0.001	------	10.0	
		425794	0.106			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.20		16860	0.004	------	10.0	
		16860	0.004			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.62		3950	0.001	------	10.0	
16.72		16194	0.004	------	10.0	
17.10		17938	0.004	------	10.0	
17.52		865	0.000	------	10.0	
		38946	0.010			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
1..87		2179	0.001	------	10.0	
18.54		1816	0.000	------	10.0	
18.84		2002	0.001	------	10.0	
		5996	0.001			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O05_054A.TX0

Software Version: 4.1<2F12>
Sample Name : 285-49 Time : 10/6/00 11:40 AM
Sample Number: DL3J610M Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/6/00 11:19 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

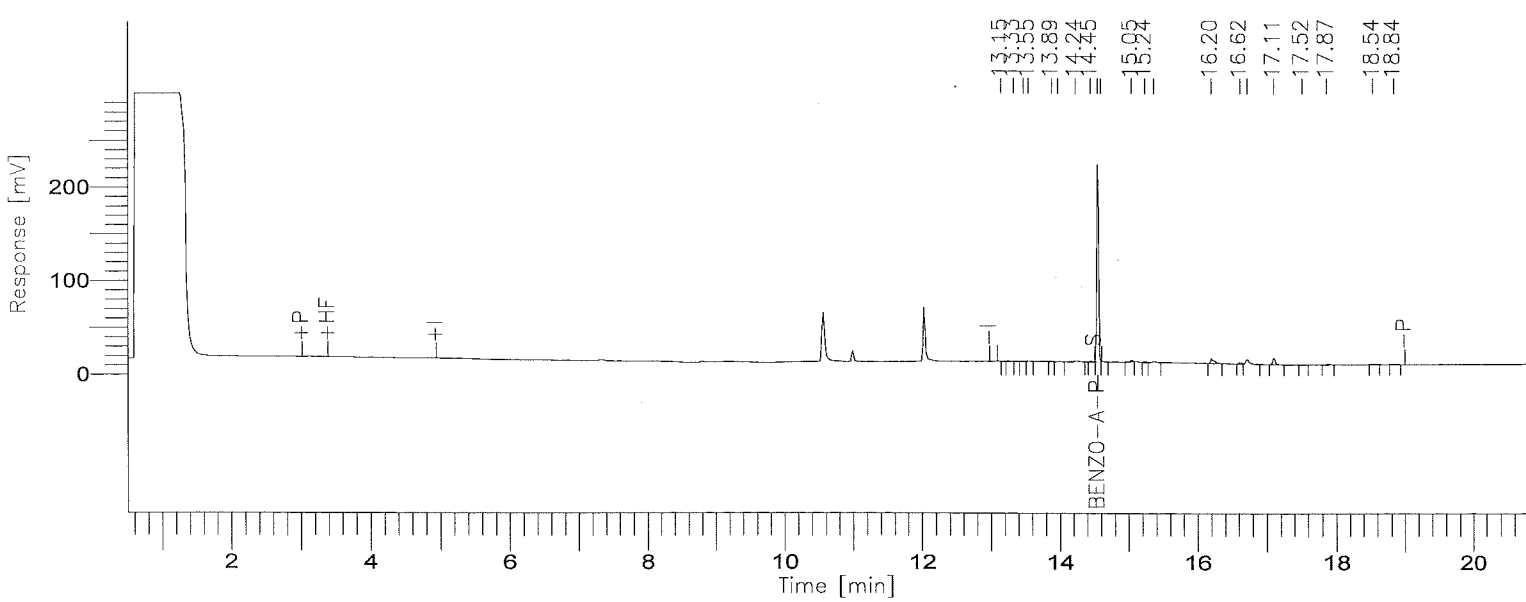
Raw Data File : C:\TC4\DATA_01\O05_054.RAW
Result File : C:\TC4\DATA_01\O05_054.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O05_054.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_01\O05.SEQ

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

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

Instrument Conditions:

Total number of peaks detected: 21



001841

BOE-C6-0157404

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.03	DIESEL C10-C24	0	0.000	------	10.0	
14.56	BENZO-A-PYRENE	411508	9.749	78.0	10.0	
		411508	9.749			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\005_054.TX0

Lot/Sample: E0I260285-050 C-66-9-5 TICs.....: N Report Results: Y
WO#.....: DL3J7-1-0M 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: 10/06/00
Inject Time..: 12:49 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 10.00 Instr File: O05_057A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....: 9/25/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/06 15:05:56
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 9/27/00
QC Batch.....: 0271552
MS Run Number: 0271280
Prep Time....: 14:00-18:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1562-1SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05120	C8-C9			ND	100			
05121	C10-C11			ND	100			
05122	C12-C13			ND	100			
05123	C14-C15			ND	100			
05124	C16-C17			ND	100			
05125	C18-C19			24.802	100		J	J
05132	C40+			136.276	100			
05136	Total Carbon Chain Rang			836.509	100			
05201	C20-C23			73.766	100		J	J
05202	C24-C27			74.978	100		J	J
05203	C28-C31			19.664	100		J	J
05204	C32-C35			173.088	100			
05205	C36-C39			333.201	100			

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		125	14.248	11.3984	*	*

Notes:

J Estimated result. Result is less than RL.

(Continued on next page)

Lot/Sample: E0I260285-050 C-66-9-5 TICs.....: N Report Results: Y
WO#.....: DL3J7-1-0M 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:

* Surrogate recovery is outside stated control limits.

Software Version: 4.1<2F12>
Sample Name : 285-50 10X
Sample Number: DL3J710M
Operator :

Time : 10/6/00 01:30 PM
Study : ICAL 8/28/00

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

Channel : A A/D mV Range : 1000

Interface Serial # : 2136574898 Data Acquisition Time: 10/6/00 12:49 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_01\O05_057A.RAW
Result File : C:\TC4\DATA_01\O05_057A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O05_057A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\O05_057A.R
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\O05_057A.R
Sequence File : C:\TC4\DATA_01\O05.SEQ

Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 10.00

Noise Threshold: 50
Multiplier : 5.0000

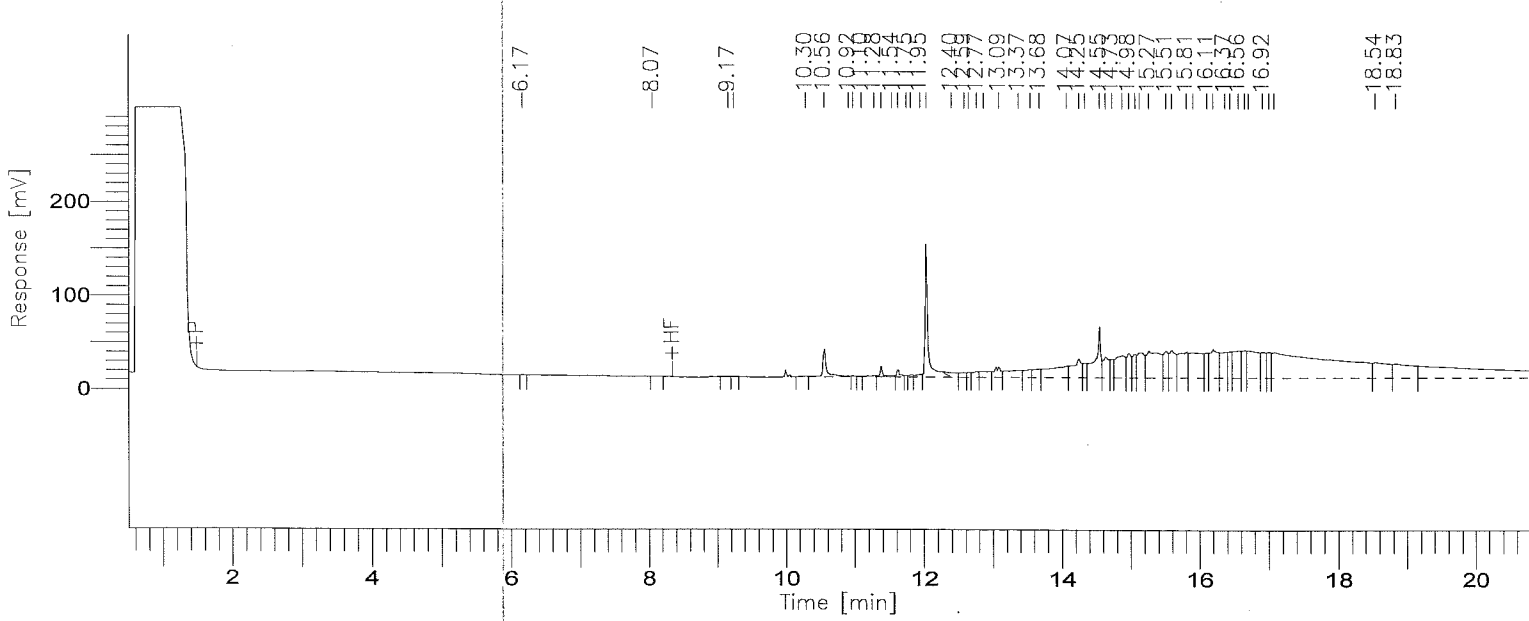
Area Threshold : 200
Divisor : 20.0000

Bunch Factor: 1
Addend : 0.0000

User1 : TPHDA
User2 :
User3 :
User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 53



001845

BOE-C6-0157408

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	0	0.000	------	100.0	
5.77	C10-C11	775	0.184	------	100.0	
7.31	C12-C13	0	0.000	------	100.0	
8.59	C14-C15	690	0.143	------	100.0	
9.69	C16-C17	1764	0.407	------	100.0	
10.72	C18-C19	119141	24.802	------	100.0	
12.02	C20-C23	640661	73.766	------	100.0	
13.53	C24-C27	629498	74.978	------	100.0	
14.82	C28-C31	1748738	203.645	------	100.0	
15.90	C32-C35	1490466	173.088	------	100.0	
16.99	C36-C39	2854621	333.201	------	100.0	
19.29	C40+	562793	136.276	------	100.0	
		8049147	1020.490			

Group Report For : C8-C9

No peaks available to report

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
6.17		775	0.002	------	100.0	
		775	0.002			

Group Report For : C12-C13

No peaks available to report

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
[illegible].07		690	0.002	------	100.0	
		690	0.002			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.17		828	0.002	------	100.0	
9.24		936	0.002	------	100.0	
		1764	0.004			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
[illegible].30		2766	0.007	------	100.0	
10.56		103129	0.258	------	100.0	
10.91		6744	0.017	------	100.0	
10.98		3449	0.009	------	100.0	
11.10		3053	0.008	------	100.0	
		119141	0.298			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.28		9840	0.025	------	100.0	
11.38		21596	0.054	------	100.0	
11.54		11455	0.029	------	100.0	
11.62		24576	0.061	------	100.0	
11.75		4490	0.011	------	100.0	
11.82		8992	0.022	------	100.0	
11.95		16924	0.042	------	100.0	
12.04		410252	1.026	------	100.0	
[illegible].40		45894	0.115	------	100.0	
12.59		31298	0.078	------	100.0	
12.65		19257	0.048	------	100.0	
12.77		36087	0.090	------	100.0	
		640661	1.602			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.87		63030	0.158	------	100.0	
13.09		68457	0.171	------	100.0	
13.37		123290	0.308	------	100.0	
13.55		61768	0.154	------	100.0	
13.68		68287	0.171	------	100.0	
14.07		244666	0.612	------	100.0	
		629498	1.574			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.25		173154	0.433	------	100.0	
14.34		60015	0.150	------	100.0	
14.55		276419	0.691	------	100.0	
14.64		136334	0.341	------	100.0	
[illegible].73		58446	0.146	------	100.0	
14.88		239443	0.599	------	100.0	
14.98		117509	0.294	------	100.0	
15.07		95634	0.239	------	100.0	
15.13		202656	0.507	------	100.0	
15.27		389128	0.973	------	100.0	
		1748738	4.372			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.51		133479	0.334	------	100.0	
15.60		187080	0.468	------	100.0	
15.81		260631	0.652	------	100.0	
15.91		366221	0.916	------	100.0	
16.11		105122	0.263	------	100.0	
16.20		248265	0.621	------	100.0	
16.37		189668	0.474	------	100.0	
		1490466	3.726			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.44		110647	0.277	------	100.0	
16.56		226353	0.566	------	100.0	
16.65		143855	0.360	------	100.0	
16.71		333070	0.833	------	100.0	
16.92		134327	0.336	------	100.0	
17.00		107790	0.269	------	100.0	
17.08		1798579	4.496	------	100.0	
		2854621	7.137			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
18.54		261084	0.653	------	100.0	
18.83		301709	0.754	------	100.0	
		562793	1.407			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O05_057A.TX0

Software Version: 4.1<2F12>
Sample Name : 285-50 10X Time : 10/6/00 01:20 PM
Sample Number: DL3J710M Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/6/00 12:49 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

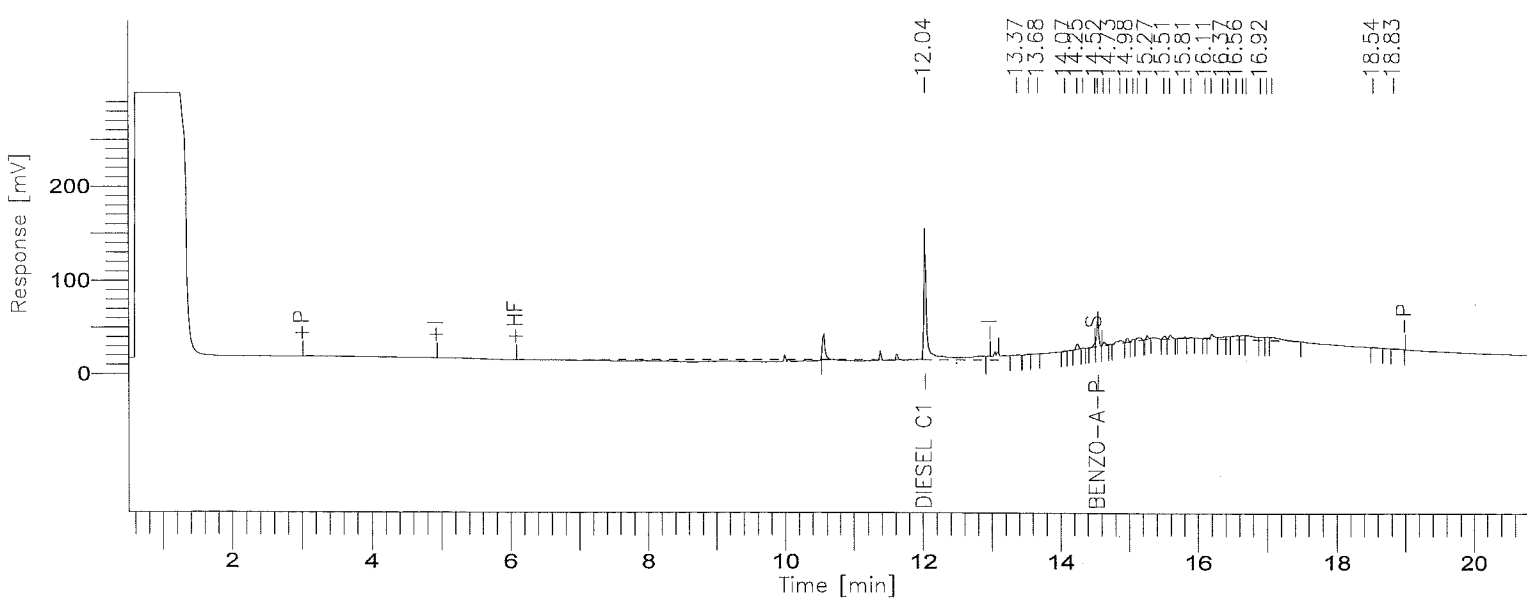
Raw Data File : C:\TC4\DATA_01\O05_057.RAW
Result File : C:\TC4\DATA_01\O05_057.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O05_057.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O05_057.R
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O05_057.R
Sequence File : C:\TC4\DATA_01\O05.SEQ

Sample Volume : 1.0000 uL Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 10.00

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



001850

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.04	DIESEL C10-C24	508016	171.815	------	100.0	
14.55	BENZO-A-PYRENE	60142	14.248	114.0	100.0	
		568158	186.063			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O05_057.TX0

INITIAL CALIBRATION DATA

Date Analyzed: 092100

Instrument ID: GC01

C-chain C8 → C40

Turbochrom Method File : C:\TC4\DATA_01\METHODS\C8-C40A.MTH
Created by : ELVIE on : 6/8/00 12:53 PM
Edited by : ec on : 9/22/00 09:07 AM
Description :

Number of Times Edited : 25
Number of Times Calibrated : 579

GC01 - C-Chain C8 → C40
C8-C40A.Mth
092100
Average Cal factor - OK
No surrogate added

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

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

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

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

Annotated Replot Parameters :
No replot will be printed

Report Format files :
No report format files given

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

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

Component Information :
C8-C9

001853

Component Type : Timed Group
Start Time : 2.000 min End Time : 4.955 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 250.000000
Value 2: 5.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 30.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	89023.00	18688.95	----------	----------	1
2	20.0000	165906.00	34052.35	----------	----------	1
3	30.0000	263754.50	53142.60	----------	----------	1
4	40.0000	345692.00	70153.83	----------	----------	1
5	50.0000	433117.00	85363.35	----------	----------	1

Average Calibration Factor = 8658.811333 (%RSD = 2.64) ok

C10-C11
Component Type : Timed Group
Start Time : 4.956 min End Time : 6.681 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 250.000000
Value 2: 5.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 30.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	94803.00	27993.68	----------	----------	1
2	20.0000	175219.50	49745.82	----------	----------	1
3	30.0000	275582.00	77542.59	----------	----------	1
4	40.0000	363864.50	95397.95	----------	----------	1
5	50.0000	453492.50	122050.56	----------	----------	1

Average Calibration Factor = 9118.760833 (%RSD = 2.83) ok

C12-C13
Component Type : Timed Group
Start Time : 6.682 min End Time : 8.064 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 250.000000
Value 2: 5.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 30.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	96082.00	42186.84	----------	----------	1
2	20.0000	177413.00	73408.58	----------	----------	1

3	30.0000	280477.00	116306.57	----------	----------	1
4	40.0000	370761.00	140823.07	----------	----------	1
5	50.0000	465162.00	182029.38	----------	----------	1

Average Calibration Factor = 9280.069667 (%RSD = 2.85) OK

C14-C15

Component Type : Timed Group
Start Time : 8.065 min End Time : 9.247 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 250.000000
Value 2: 5.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 30.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	97889.50	54607.35	----------	----------	1
2	20.0000	180714.00	98151.11	----------	----------	1
3	30.0000	283888.00	135912.00	----------	----------	1
4	40.0000	375018.00	175104.83	----------	----------	1
5	50.0000	464799.50	231627.65	----------	----------	1

Average Calibration Factor = 9391.804667 (%RSD = 2.91) OK

C16-C17

Component Type : Timed Group
Start Time : 9.248 min End Time : 10.299 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 250.000000
Value 2: 5.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 30.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	98692.00	56333.39	----------	----------	1
2	20.0000	181896.00	96098.36	----------	----------	1
3	30.0000	286276.00	145667.42	----------	----------	1
4	40.0000	379061.50	199454.95	----------	----------	1
5	50.0000	471379.00	257224.47	----------	----------	1

Average Calibration Factor = 9482.130167 (%RSD = 2.92) OK

C18-C19

Component Type : Timed Group
Start Time : 10.300 min End Time : 11.232 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 250.000000
Value 2: 5.000000
Value 3: 0.000000

Value 4: 0.000000
Value 5: 30.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	99678.00	52493.87	----------	----------	1
2	20.0000	184230.00	101775.46	----------	----------	1
3	30.0000	289941.50	171270.52	----------	----------	1
4	40.0000	383587.88	229148.26	----------	----------	1
5	50.0000	477611.07	288173.82	----------	----------	1

Average Calibration Factor = 9597.186994 (%RSD = 2.82) ok

C20-C23

Component Type : Timed Group
Start Time : 11.233 min End Time : 12.877 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 250.000000
Value 2: 5.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 30.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	200722.00	121518.72	----------	----------	1
2	20.0000	368785.00	225228.01	----------	----------	1
3	30.0000	581753.50	351209.61	----------	----------	1
4	40.0000	768352.62	463562.92	----------	----------	1
5	50.0000	953440.93	559507.14	----------	----------	1

Average Calibration Factor = 19236.173506 (%RSD = 3.06) ok

C24-C27

Component Type : Timed Group
Start Time : 12.878 min End Time : 14.261 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 250.000000
Value 2: 5.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 30.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	202501.50	122949.47	----------	----------	1
2	20.0000	372477.50	228975.77	----------	----------	1
3	30.0000	586971.50	364285.88	----------	----------	1
4	40.0000	775097.00	477385.49	----------	----------	1
5	50.0000	959743.00	595697.01	----------	----------	1

Average Calibration Factor = 19402.405333 (%RSD = 3.04) ok

C28-C31

Component Type : Timed Group
Start Time : 14.262 min End Time : 15.539 min
Reference Component:

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

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	304437.00	179800.81	----------	----------	1
2	20.0000	559964.50	333645.47	----------	----------	1
3	30.0000	883782.50	523958.91	----------	----------	1
4	40.0000	1166528.00	689062.22	----------	----------	1
5	50.0000	1447220.00	860456.09	----------	----------	1

Average Calibration Factor = 29201.788333 (%RSD = 3.03) ok

C32-C35
Component Type : Timed Group
Start Time : 15.540 min End Time : 16.495 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 250.000000
Value 2: 5.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 30.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	100481.00	60915.47	----------	----------	1
2	20.0000	183993.50	111749.09	----------	----------	1
3	30.0000	290150.00	174242.38	----------	----------	1
4	40.0000	383998.00	231443.70	----------	----------	1
5	50.0000	474308.50	286856.64	----------	----------	1

Average Calibration Factor = 9601.112333 (%RSD = 3.21) ok

C36-C39
Component Type : Timed Group
Start Time : 16.496 min End Time : 17.635 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 250.000000
Value 2: 5.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 30.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	199043.00	107741.78	----------	----------	1
2	20.0000	365969.00	194895.27	----------	----------	1
3	30.0000	578031.50	312491.45	----------	----------	1
4	40.0000	762409.00	408061.52	----------	----------	1
5	50.0000	940690.50	501520.65	----------	----------	1

Average Calibration Factor = 19068.900333 (%RSD = 3.10) 0k

C40+

Component Type : Timed Group
Start Time : 17.636 min End Time : 21.000 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 250.000000
Value 2: 5.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 30.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	98274.00	39532.55	----------	----------	1
2	20.0000	179598.50	72579.32	----------	----------	1
3	30.0000	282970.00	115799.11	----------	----------	1
4	40.0000	373400.00	152102.46	----------	----------	1
5	50.0000	459971.50	187977.64	----------	----------	1

Average Calibration Factor = 9354.817667 (%RSD = 3.36) 0k

Software Version: 4.1<2F12>
Date: 9/22/00 09:03 AM
Sample Name : #TEPH00-165 RT MARKER 10 PPM
Data File : C:\TC4\DATA_01\921_015.RAW Date: 9/21/00 03:52 PM
Sequence File: C:\TC4\DATA_01\921.SEQ Cycle: 15 Channel : A
Instrument : GC-FID-01 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

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

Component	Retn Time	Vol Adj Amount	Adjusted Response	Calibration Factor	%RSD Time	# Reps	%RSD Amt	%RSD Resp	# Reps	CLT Code
C8-C9	3.478	10.00000	89023.000000	8902.300000	0.00	5	------	------	1	0
C10-C11	5.818	10.00000	94803.000000	9480.300000	0.00	5	------	------	1	0
C12-C13	7.373	10.00000	96082.000000	9608.200000	0.00	5	------	------	1	0
C14-C15	8.656	10.00000	97889.500000	9788.950000	0.00	5	------	------	1	0
C16-C17	9.774	10.00000	98692.000000	9869.200000	0.00	5	------	------	1	0
C18-C19	10.766	10.00000	99678.000000	9967.800000	0.00	5	------	------	1	0
C20-C23	12.055	10.00000	200722.000000	20072.200000	0.00	5	------	------	1	0
-C27	13.570	10.00000	202501.500000	20250.150000	0.00	5	------	------	1	0
-C31	14.900	10.00000	304437.000000	30443.700000	0.00	5	------	------	1	0
C32-C35	16.017	10.00000	100481.000000	10048.100000	0.00	5	------	------	1	0
C36-C39	17.066	10.00000	199043.000000	19904.300000	0.00	5	------	------	1	0
C40+	19.318	10.00000	98274.000000	9827.400000	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	8658.811333	----------	----------	--------	9
C10-C11	0.000000	9118.760833	----------	----------	--------	9
C12-C13	0.000000	9280.069667	----------	----------	--------	9
C14-C15	0.000000	9391.804667	----------	----------	--------	9
C16-C17	0.000000	9482.130167	----------	----------	--------	9
C18-C19	0.000000	9597.186994	----------	----------	--------	9
C20-C23	0.000000	19236.173506	----------	----------	--------	9
C24-C27	0.000000	19402.405333	----------	----------	--------	9
C28-C31	0.000000	29201.788333	----------	----------	--------	9
C32-C35	0.000000	9601.112333	----------	----------	--------	9
C36-C39	0.000000	19068.900333	----------	----------	--------	9
C40+	0.000000	9354.817667	----------	----------	--------	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 10 PPM Time : 9/22/00 09:03 AM
Sample Number: 10 PPM Study : ICAL 9/21/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 9/21/00 03:52 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

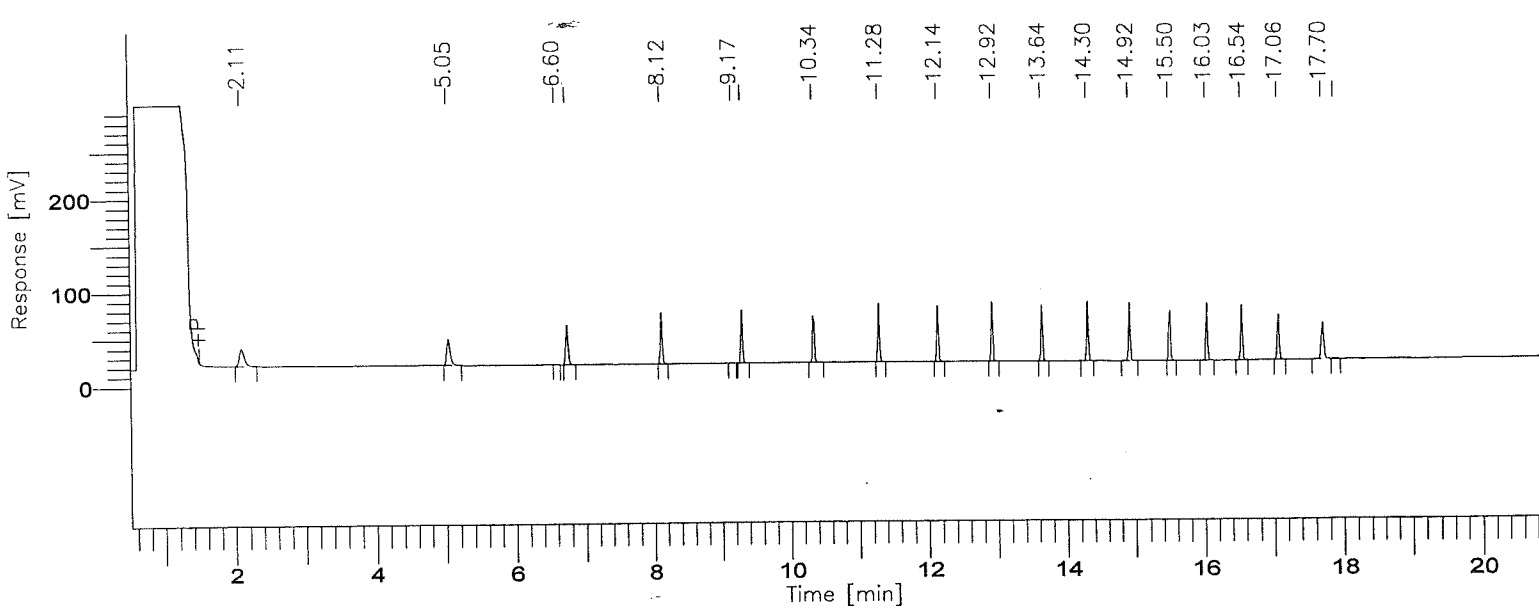
Raw Data File : C:\TC4\DATA_01\921_015.RAW
Result File : C:\TC4\DATA_01\921_015.RST
Inst Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\921_015.RS
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\921.SEQ

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: 20



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.48	C8-C9	89023	10.281	------	10.0	
5.82	C10-C11	94803	10.396	------	10.0	
7.37	C12-C13	96082	10.354	------	10.0	
8.66	C14-C15	97890	10.423	------	10.0	
9.77	C16-C17	98692	10.408	------	10.0	
10.77	C18-C19	99678	10.386	------	10.0	
12.06	C20-C23	200722	10.435	------	10.0	
13.57	C24-C27	202502	10.437	------	10.0	
14.90	C28-C31	304437	10.425	------	10.0	
16.02	C32-C35	100481	10.466	------	10.0	
17.07	C36-C39	199043	10.438	------	10.0	
19.32	C40+	98274	10.505	------	10.0	
		1681626	124.954			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
2.11		89023	0.089	------	10.0	
		89023	0.089			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.05		94382	0.094	------	10.0	
6.60		421	0.000	------	10.0	
		94803	0.095			

Group Report For : C12-C13

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

6.75		96082	0.096	------	10.0
		96082	0.096		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.12		97592	0.098	------	10.0	
9.16		298	0.000	------	10.0	
		97890	0.098			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.30		98692	0.099	------	10.0	
		98692	0.099			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.34		99678	0.100	------	10.0	
		99678	0.100			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.28		100530	0.101	------	10.0	
12.14		100192	0.100	------	10.0	
		200722	0.201			

Group Report For : C24-C27

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

12.92		100342	0.100	------	10.0
13.64		102159	0.102	------	10.0
		202502	0.203		

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.30		101864	0.102	------	10.0	
14.92		101531	0.102	------	10.0	
15.50		101042	0.101	------	10.0	
		304437	0.304			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.03		100481	0.100	------	10.0	
		100481	0.100			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.54		99702	0.100	------	10.0	
17.06		99341	0.099	------	10.0	
		199043	0.199			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.70		96448	0.096	------	10.0	
17.87		1826	0.002	------	10.0	
		98274	0.098			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\921_015.TX0

Software Version: 4.1<2F12>
Date: 9/22/00 09:03 AM
Sample Name : #TEPH00-166 RT MARKER 20 PPM
Data File : C:\TC4\DATA_01\921_016.RAW Date: 9/21/00 04:22 PM
Sequence File: C:\TC4\DATA_01\921.SEQ Cycle: 16 Channel : A
Instrument : GC-FID-01 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

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

Component	Retn Time	Vol Adj Amount	Adjusted Response	Calibration Factor	%RSD Time	# Reps	%RSD Amt	%RSD Resp	# Reps	CLT Code
C8-C9	3.478	20.00000	165906.000000	8295.300000	0.00	5	------	------	1	0
C10-C11	5.818	20.00000	175219.500000	8760.975000	0.00	5	------	------	1	0
C12-C13	7.373	20.00000	177413.000000	8870.650000	0.00	5	------	------	1	0
C14-C15	8.656	20.00000	180714.000000	9035.700000	0.00	5	------	------	1	0
C16-C17	9.774	20.00000	181896.000000	9094.800000	0.00	5	------	------	1	0
C18-C19	10.766	20.00000	184230.000000	9211.500000	0.00	5	------	------	1	0
C20-C23	12.055	20.00000	368785.000000	18439.250000	0.00	5	------	------	1	0
C24-C27	13.570	20.00000	372477.500000	18623.875000	0.00	5	------	------	1	0
-C31	14.900	20.00000	559964.500000	27998.225000	0.00	5	------	------	1	0
C32-C35	16.017	20.00000	183993.500000	9199.675000	0.00	5	------	------	1	0
C36-C39	17.066	20.00000	365969.000000	18298.450000	0.00	5	------	------	1	0
C40+	19.318	20.00000	179598.500000	8979.925000	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	8658.811333	----------	----------	--------	9
C10-C11	0.000000	9118.760833	----------	----------	--------	9
C12-C13	0.000000	9280.069667	----------	----------	--------	9
C14-C15	0.000000	9391.804667	----------	----------	--------	9
C16-C17	0.000000	9482.130167	----------	----------	--------	9
C18-C19	0.000000	9597.186994	----------	----------	--------	9
C20-C23	0.000000	19236.173506	----------	----------	--------	9
C24-C27	0.000000	19402.405333	----------	----------	--------	9
C28-C31	0.000000	29201.788333	----------	----------	--------	9
C32-C35	0.000000	9601.112333	----------	----------	--------	9
C36-C39	0.000000	19068.900333	----------	----------	--------	9
0+	0.000000	9354.817667	----------	----------	--------	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 20 PPM Time : 9/22/00 09:03 AM
Sample Number: 20 PPM Study : ICAL 9/21/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 9/21/00 04:22 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

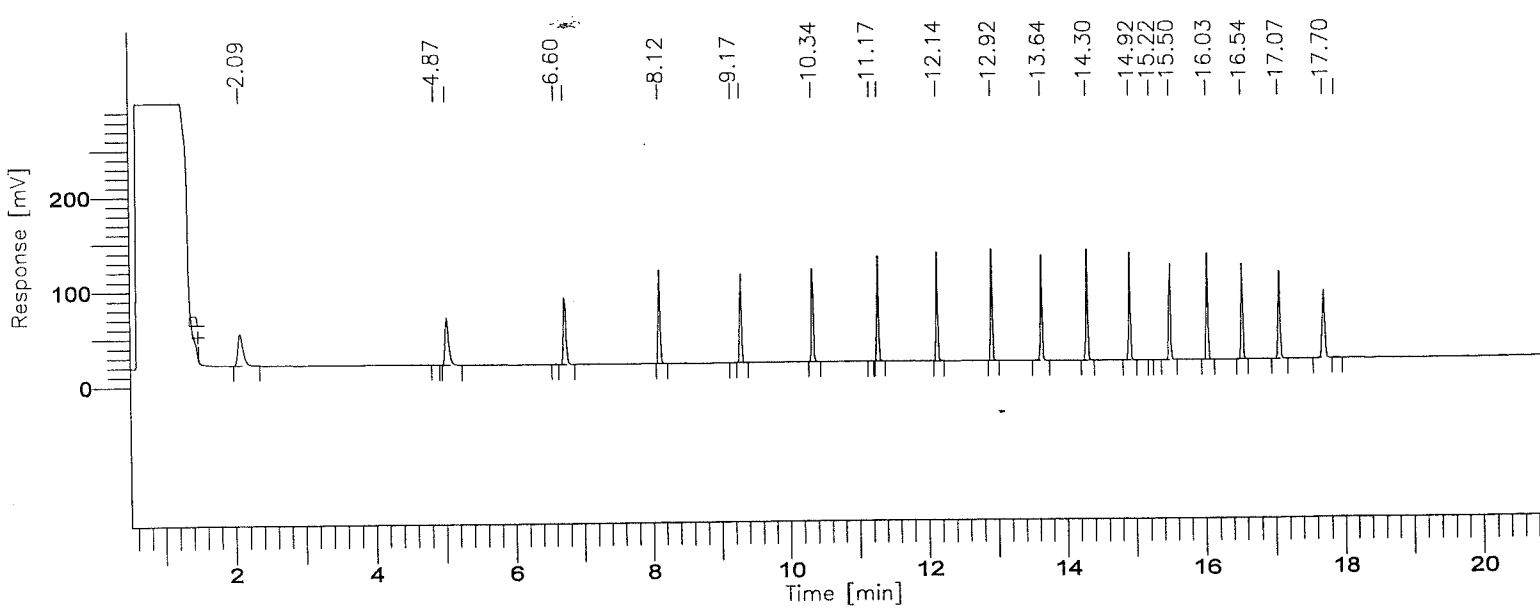
Raw Data File : C:\TC4\DATA_01\921_016.RAW
Result File : C:\TC4\DATA_01\921_016.RST
Inst Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\921_016.RS
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\921.SEQ

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: 23



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8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.48	C8-C9	165906	19.160	------	10.0	
5.82	C10-C11	175220	19.215	------	10.0	
7.37	C12-C13	177413	19.118	------	10.0	
8.66	C14-C15	180714	19.242	------	10.0	
9.77	C16-C17	181896	19.183	------	10.0	
10.77	C18-C19	184230	19.196	------	10.0	
12.06	C20-C23	368785	19.171	------	10.0	
13.57	C24-C27	372478	19.197	------	10.0	
14.90	C28-C31	559964	19.176	------	10.0	
16.02	C32-C35	183994	19.164	------	10.0	
17.07	C36-C39	365969	19.192	------	10.0	
19.32	C40+	179599	19.199	------	10.0	
		3096166	230.213			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
2.09		165403	0.165	------	10.0	
4.87		503	0.001	------	10.0	
		165906	0.166			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.03		174296	0.174	------	10.0	
6.60		924	0.001	------	10.0	
		175220	0.175			

Group Report For : C12-C13

Time	Component	Area	Final Results	% SURR	REP. LIMIT	FN

[min]	Name	[µV·s]	(ppm)	REC	mg/kg
6.74		177413	0.177	------	10.0
		177413	0.177		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.12		180226	0.180	------	10.0	
9.17		488	0.000	------	10.0	
		180714	0.181			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.30		181896	0.182	------	10.0	
		181896	0.182			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.34		183317	0.183	------	10.0	
11.17		913	0.001	------	10.0	
		184230	0.184			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.28		184590	0.185	------	10.0	
12.13		184194	0.184	------	10.0	
		368785	0.369			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
92		184454	0.184	------	10.0	
13.64		188024	0.188	------	10.0	
		372478	0.372			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.30		186984	0.187	------	10.0	
14.92		186522	0.187	------	10.0	
15.22		251	0.000	------	10.0	
15.50		186207	0.186	------	10.0	
		559964	0.560			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.03		183994	0.184	------	10.0	
		183994	0.184			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.54		183120	0.183	------	10.0	
17.07		182849	0.183	------	10.0	
		365969	0.366			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.70		176509	0.177	------	10.0	
17.87		3089	0.003	------	10.0	
		179599	0.180			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\921_016.TX0

Software Version: 4.1<2F12>
Date: 9/22/00 09:03 AM
Sample Name : #TEPH00-167 RT MARKER 30 PPM
Data File : C:\TC4\DATA_01\921_017.RAW Date: 9/21/00 04:52 PM
Sequence File: C:\TC4\DATA_01\921.SEQ Cycle: 17 Channel : A
Instrument : GC-FID-01 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

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

Component	Retn Time	Vol Adj Amount	Adjusted Response	Calibration Factor	%RSD Time	# Reps	%RSD Amt	%RSD Resp	# Reps	CLT Code
C8-C9	3.478	30.00000	263754.500000	8791.816667	0.00	5	------	------	1	0
C10-C11	5.818	30.00000	275582.000000	9186.066667	0.00	5	------	------	1	0
C12-C13	7.373	30.00000	280477.000000	9349.233333	0.00	5	------	------	1	0
C14-C15	8.656	30.00000	283888.000000	9462.933333	0.00	5	------	------	1	0
C16-C17	9.774	30.00000	286276.000000	9542.533333	0.00	5	------	------	1	0
C18-C19	10.766	30.00000	289941.500000	9664.716667	0.00	5	------	------	1	0
C20-C23	12.055	30.00000	581753.500000	19391.783333	0.00	5	------	------	1	0
C24-C27	13.570	30.00000	586971.500000	19565.716667	0.00	5	------	------	1	0
C31	14.900	30.00000	883782.500000	29459.416667	0.00	5	------	------	1	0
C32-C35	16.017	30.00000	290150.000000	9671.666667	0.00	5	------	------	1	0
C36-C39	17.066	30.00000	578031.500000	19267.716667	0.00	5	------	------	1	0
C40+	19.318	30.00000	282970.000000	9432.333333	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	8658.811333	----------	----------	--------	9
C10-C11	0.000000	9118.760833	----------	----------	--------	9
C12-C13	0.000000	9280.069667	----------	----------	--------	9
C14-C15	0.000000	9391.804667	----------	----------	--------	9
C16-C17	0.000000	9482.130167	----------	----------	--------	9
C18-C19	0.000000	9597.186994	----------	----------	--------	9
C20-C23	0.000000	19236.173506	----------	----------	--------	9
C24-C27	0.000000	19402.405333	----------	----------	--------	9
C28-C31	0.000000	29201.788333	----------	----------	--------	9
C32-C35	0.000000	9601.112333	----------	----------	--------	9
C36-C39	0.000000	19068.900333	----------	----------	--------	9
C40+	0.000000	9354.817667	----------	----------	--------	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 30 PPM Time : 9/22/00 09:03 AM
Sample Number: 30 PPM Study : ICAL 9/21/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 9/21/00 04:52 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

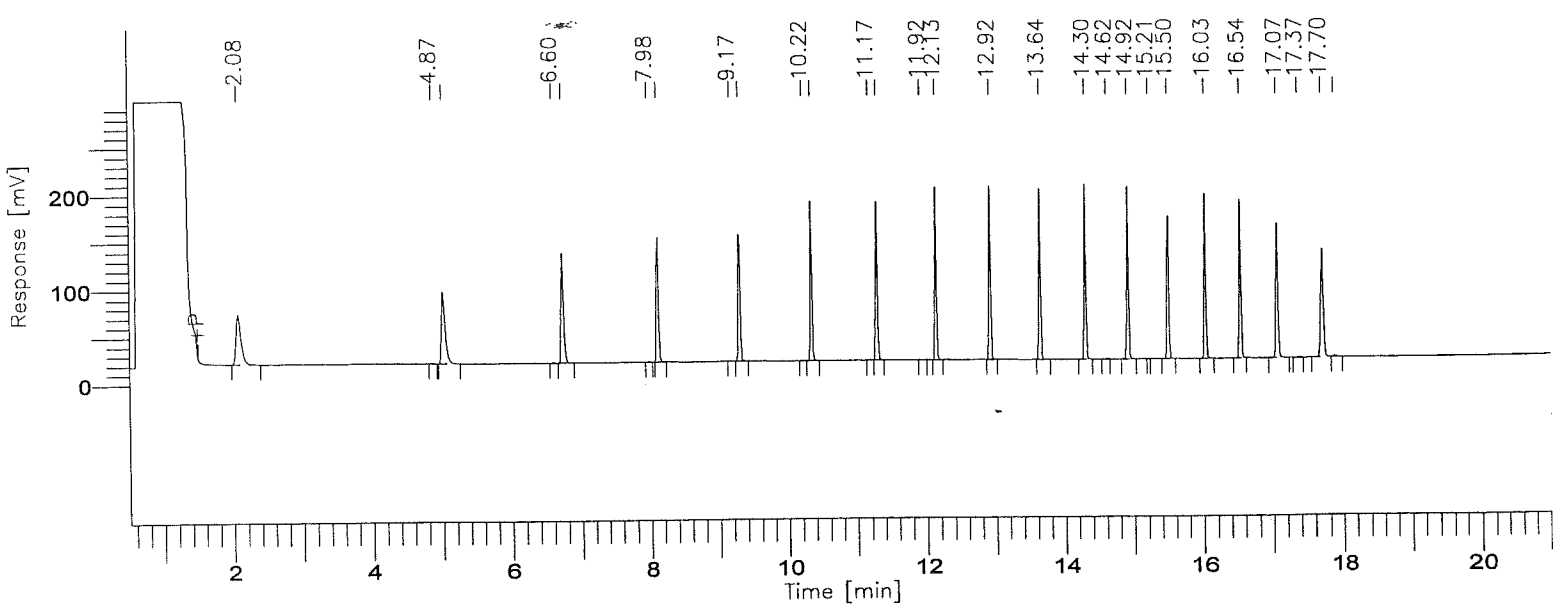
Raw Data File : C:\TC4\DATA_01\921_017.RAW
Result File : C:\TC4\DATA_01\921_017.RST
Inst Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\921_017.RS
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\921.SEQ

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

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

Instrument Conditions:

Total number of peaks detected: 28



001875

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.48	C8-C9	263754	30.461	------	10.0	
5.82	C10-C11	275582	30.221	------	10.0	
7.37	C12-C13	280477	30.224	------	10.0	
8.66	C14-C15	283888	30.227	------	10.0	
9.77	C16-C17	286276	30.191	------	10.0	
10.77	C18-C19	289942	30.211	------	10.0	
12.06	C20-C23	581754	30.243	------	10.0	
13.57	C24-C27	586972	30.253	------	10.0	
14.90	C28-C31	883782	30.265	------	10.0	
16.02	C32-C35	290150	30.220	------	10.0	
17.07	C36-C39	578032	30.313	------	10.0	
19.32	C40+	282970	30.249	------	10.0	
		4883578	363.077			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
2.08		262756	0.263	------	10.0	
4.87		998	0.001	------	10.0	
		263754	0.264			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.02		274160	0.274	------	10.0	
6.60		1422	0.001	------	10.0	
		275582	0.276			

Group Report For : C12-C13

Time	Component	Area	Final Results	% SURR	REP. LIMIT	FN

001876

[min]	Name	[µV·s]	(ppm)	REC	mg/kg
6.73		279108	0.279	------	10.0
98		1369	0.001	------	10.0
		280477	0.280		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.11		283022	0.283	------	10.0	
9.17		866	0.001	------	10.0	
		283888	0.284			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.29		285484	0.285	------	10.0	
.22		792	0.001	------	10.0	
		286276	0.286			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.34		288448	0.288	------	10.0	
11.17		1494	0.001	------	10.0	
		289942	0.290			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.28		290964	0.291	------	10.0	
11.92		415	0.000	------	10.0	
12.13		290374	0.290	------	10.0	
		581754	0.582			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.92		290918	0.291	------	10.0	
13.64		296054	0.296	------	10.0	
		586972	0.587			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.30		295038	0.295	------	10.0	
14.62		769	0.001	------	10.0	
14.92		294104	0.294	------	10.0	
15.21		359	0.000	------	10.0	
15.50		293513	0.294	------	10.0	
		883782	0.884			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.03		290150	0.290	------	10.0	
		290150	0.290			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.54		288672	0.289	------	10.0	
17.06		288896	0.289	------	10.0	
17.37		464	0.000	------	10.0	
		578032	0.578			

Group Report For : C40+

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

17.70	278050	0.278	------	10.0
17.87	4920	0.005	------	10.0
	282970	0.283		

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\921_017.TX0

Software Version: 4.1<2F12>
Date: 9/22/00 09:03 AM
Sample Name : #TEPH00-168 RT MARKER 40 PPM
Data File : C:\TC4\DATA_01\921_018.RAW Date: 9/21/00 05:21 PM
Sequence File: C:\TC4\DATA_01\921.SEQ Cycle: 18 Channel : A
Instrument : GC-FID-01 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

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

Component	Retn Time	Vol Adj Amount	Adjusted Response	Calibration Factor	%RSD Time	# Reps	%RSD Amt	%RSD Resp	# Reps	CLT Code
C8-C9	3.478	40.00000	345692.000000	8642.300000	0.00	5	------	------	1	0
C10-C11	5.818	40.00000	363864.500000	9096.612500	0.00	5	------	------	1	0
C12-C13	7.373	40.00000	370761.000000	9269.025000	0.00	5	------	------	1	0
C14-C15	8.656	40.00000	375018.000000	9375.450000	0.00	5	------	------	1	0
C16-C17	9.774	40.00000	379061.500000	9476.537500	0.00	5	------	------	1	0
C18-C19	10.766	40.00000	383587.875000	9589.696875	0.00	5	------	------	1	0
C20-C23	12.055	40.00000	768352.625000	19208.815625	0.00	5	------	------	1	0
C24-C27	13.570	40.00000	775097.000000	19377.425000	0.00	5	------	------	1	0
-C31	14.900	40.00000	1166528.000000	29163.200000	0.00	5	------	------	1	0
C32-C35	16.017	40.00000	383998.000000	9599.950000	0.00	5	------	------	1	0
C36-C39	17.066	40.00000	762409.000000	19060.225000	0.00	5	------	------	1	0
C40+	19.318	40.00000	373400.000000	9335.000000	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	8658.811333	----------	----------	--------	9
C10-C11	0.000000	9118.760833	----------	----------	--------	9
C12-C13	0.000000	9280.069667	----------	----------	--------	9
C14-C15	0.000000	9391.804667	----------	----------	--------	9
C16-C17	0.000000	9482.130167	----------	----------	--------	9
C18-C19	0.000000	9597.186994	----------	----------	--------	9
C20-C23	0.000000	19236.173506	----------	----------	--------	9
C24-C27	0.000000	19402.405333	----------	----------	--------	9
C28-C31	0.000000	29201.788333	----------	----------	--------	9
C32-C35	0.000000	9601.112333	----------	----------	--------	9
C36-C39	0.000000	19068.900333	----------	----------	--------	9
0+	0.000000	9354.817667	----------	----------	--------	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 40 PPM Time : 9/22/00 09:03 AM
Sample Number: 40 PPM Study : ICAL 9/21/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 9/21/00 05:21 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

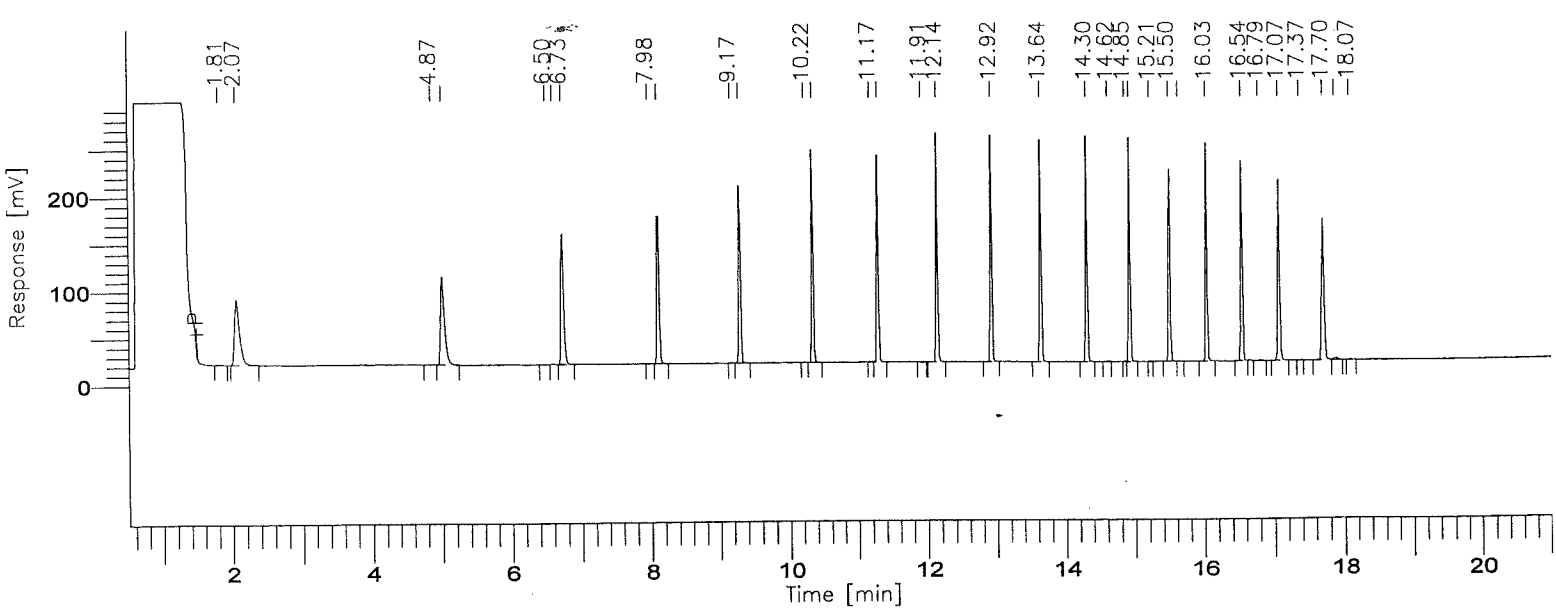
Raw Data File : C:\TC4\DATA_01\921_018.RAW
Result File : C:\TC4\DATA_01\921_018.RST
Inst Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\921_018.RS
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\921.SEQ

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
er1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 34



001882

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.48	C8-C9	345692	39.924	------	10.0	
5.82	C10-C11	363864	39.903	------	10.0	
7.37	C12-C13	370761	39.952	------	10.0	
8.66	C14-C15	375018	39.930	------	10.0	
9.77	C16-C17	379062	39.976	------	10.0	
10.77	C18-C19	383588	39.969	------	10.0	
12.06	C20-C23	768353	39.943	------	10.0	
13.57	C24-C27	775097	39.949	------	10.0	
14.90	C28-C31	1166528	39.947	------	10.0	
16.02	C32-C35	383998	39.995	------	10.0	
17.07	C36-C39	762409	39.982	------	10.0	
19.32	C40+	373400	39.915	------	10.0	
		6447770	479.385			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
2.07		343928	0.344	------	10.0	
4.87		1764	0.002	------	10.0	
		345692	0.346			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.01		361424	0.361	------	10.0	
6.50		576	0.001	------	10.0	
6.60		1865	0.002	------	10.0	
		363864	0.364			

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
73		368867	0.369	------	10.0	
7.98		1894	0.002	------	10.0	
		370761	0.371			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.11		374001	0.374	------	10.0	
9.17		1017	0.001	------	10.0	
		375018	0.375			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
.29		378064	0.378	------	10.0	
10.22		997	0.001	------	10.0	
		379062	0.379			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.34		381590	0.382	------	10.0	
11.17		1998	0.002	------	10.0	
		383588	0.384			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.28		384243	0.384	------	10.0	
11.91		595	0.001	------	10.0	
12.13		383514	0.384	------	10.0	
		768353	0.768			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.92		383908	0.384	------	10.0	
13.64		391189	0.391	------	10.0	
		775097	0.775			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.30		389146	0.389	------	10.0	
14.62		812	0.001	------	10.0	
14.85		693	0.001	------	10.0	
14.92		387231	0.387	------	10.0	
15.21		477	0.000	------	10.0	
15.50		388169	0.388	------	10.0	
		1166528	1.167			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.63		823	0.001	------	10.0	
16.03		383175	0.383	------	10.0	
		383998	0.384			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.54		380742	0.381	------	10.0	
16.79		734	0.001	------	10.0	
17.07		380378	0.380	------	10.0	
17.37		555	0.001	------	10.0	
		762409	0.762			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
.70		366499	0.366	------	10.0	
17.87		6364	0.006	------	10.0	
18.07		537	0.001	------	10.0	
		373400	0.373			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\921_018.TX0

Software Version: 4.1<2F12>
Date: 9/22/00 09:04 AM
Sample Name : #TEPH00-169 RT MARKER 50 PPM
Data File : C:\TC4\DATA_01\921_019.RAW Date: 9/21/00 05:51 PM
Sequence File: C:\TC4\DATA_01\921.SEQ Cycle: 19 Channel : A
Instrument : GC-FID-01 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

Updating method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calibration performed at level: 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	3.478	50.00000	433117.000000	8662.340000	0.00	5	------	------	1	0
C10-C11	5.818	50.00000	453492.500000	9069.850000	0.00	5	------	------	1	0
C12-C13	7.373	50.00000	465162.000000	9303.240000	0.00	5	------	------	1	0
C14-C15	8.656	50.00000	464799.500000	9295.990000	0.00	5	------	------	1	0
C16-C17	9.774	50.00000	471379.000000	9427.580000	0.00	5	------	------	1	0
C18-C19	10.766	50.00000	477611.071429	9552.221429	0.00	5	------	------	1	0
C20-C23	12.055	50.00000	953440.928571	19068.818571	0.00	5	------	------	1	0
C24-C27	13.570	50.00000	959743.000000	19194.860000	0.00	5	------	------	1	0
[illegible]-C31	14.900	50.00000	1447220.000000	28944.400000	0.00	5	------	------	1	0
[illegible]-C35	16.017	50.00000	474308.500000	9486.170000	0.00	5	------	------	1	0
C36-C39	17.066	50.00000	940690.500000	18813.810000	0.00	5	------	------	1	0
C40+	19.318	50.00000	459971.500000	9199.430000	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	8658.811333	----------	----------	--------	9
C10-C11	0.000000	9118.760833	----------	----------	--------	9
C12-C13	0.000000	9280.069667	----------	----------	--------	9
C14-C15	0.000000	9391.804667	----------	----------	--------	9
C16-C17	0.000000	9482.130167	----------	----------	--------	9
C18-C19	0.000000	9597.186994	----------	----------	--------	9
C20-C23	0.000000	19236.173506	----------	----------	--------	9
C24-C27	0.000000	19402.405333	----------	----------	--------	9
C28-C31	0.000000	29201.788333	----------	----------	--------	9
C32-C35	0.000000	9601.112333	----------	----------	--------	9
C36-C39	0.000000	19068.900333	----------	----------	--------	9
C40+	0.000000	9354.817667	----------	----------	--------	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 50 PPM Time : 9/22/00 09:04 AM
Sample Number: 50 PPM Study : ICAL 9/21/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 9/21/00 05:51 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

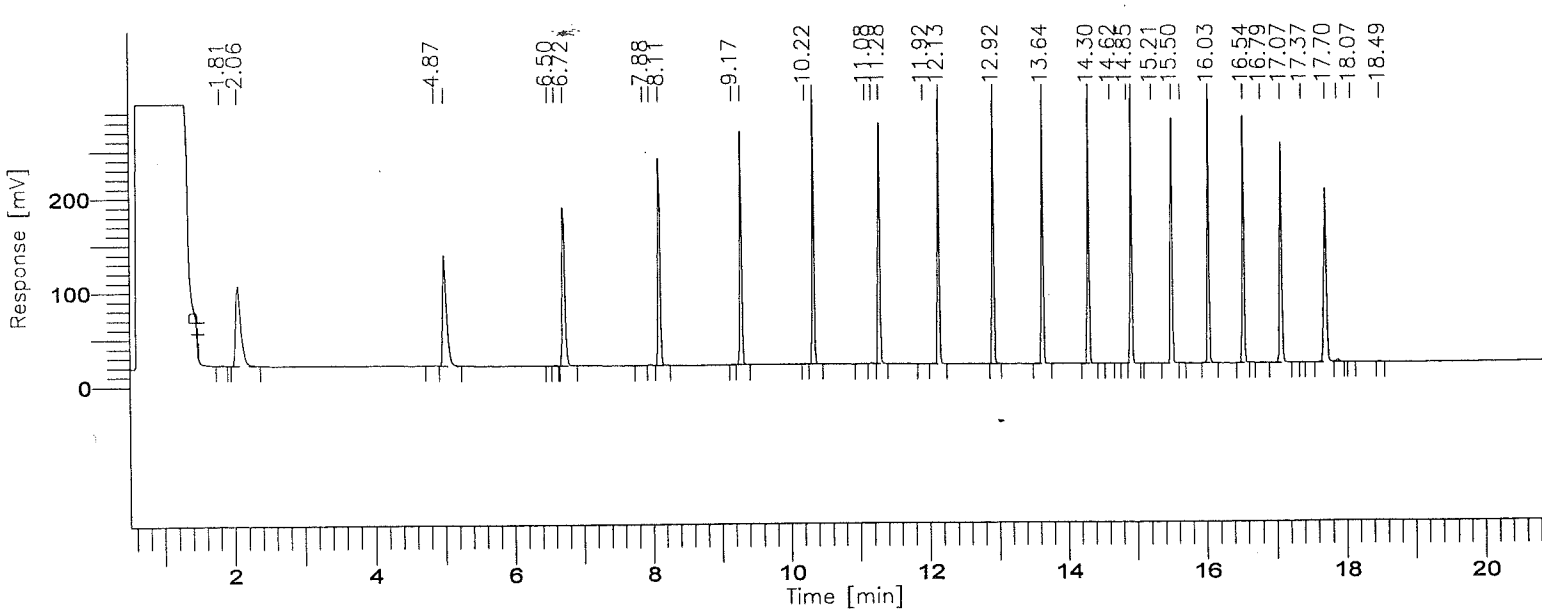
Raw Data File : C:\TC4\DATA_01\921_019.RAW
Result File : C:\TC4\DATA_01\921_019.RST
Inst Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\921_019.RS
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\921.SEQ

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



001889

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.48	C8-C9	433117	50.020	------	10.0	
5.82	C10-C11	453492	49.732	------	10.0	
7.37	C12-C13	465162	50.125	------	10.0	
8.66	C14-C15	464800	49.490	------	10.0	
9.77	C16-C17	471379	49.712	------	10.0	
10.77	C18-C19	477611	49.766	------	10.0	
12.06	C20-C23	953441	49.565	------	10.0	
13.57	C24-C27	959743	49.465	------	10.0	
14.90	C28-C31	1447220	49.559	------	10.0	
16.02	C32-C35	474308	49.401	------	10.0	
17.07	C36-C39	940690	49.331	------	10.0	
19.32	C40+	459972	49.169	------	10.0	
		8000936	595.336			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
2.06		430878	0.431	------	10.0	
4.87		2239	0.002	------	10.0	
		433117	0.433			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.00		450740	0.451	------	10.0	
6.50		434	0.000	------	10.0	
6.60		2318	0.002	------	10.0	
		453492	0.453			

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
72		460295	0.460	------	10.0	
7.88		2086	0.002	------	10.0	
7.98		2781	0.003	------	10.0	
		465162	0.465			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.10		463494	0.463	------	10.0	
9.17		1306	0.001	------	10.0	
		464800	0.465			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.29		470143	0.470	------	10.0	
10.22		1236	0.001	------	10.0	
		471379	0.471			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.34		473984	0.474	------	10.0	
11.08		880	0.001	------	10.0	
11.17		2747	0.003	------	10.0	
		477611	0.478			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.28		477152	0.477	------	10.0	
11.92		684	0.001	------	10.0	
12.13		475605	0.476	------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
		953441	0.953			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.92		475811	0.476	------	10.0	
13.64		483932	0.484	------	10.0	
		959743	0.960			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.30		481701	0.482	------	10.0	
[illegible].62		877	0.001	------	10.0	
[illegible].85		946	0.001	------	10.0	
14.92		480191	0.480	------	10.0	
15.21		1666	0.002	------	10.0	
15.50		481840	0.482	------	10.0	
		1447220	1.447			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.63		1189	0.001	------	10.0	
16.03		473120	0.473	------	10.0	
		474308	0.474			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.54		469847	0.470	------	10.0	
16.79		921	0.001	------	10.0	
17.07		469327	0.469	------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
1 37		595	0.001	------	10.0	
		940690	0.941			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.70		451011	0.451	------	10.0	
17.87		7819	0.008	------	10.0	
18.07		586	0.001	------	10.0	
18.49		556	0.001	------	10.0	
		459972	0.460			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\921_019.TX0

Software Version: 4.1<2F12>
Sample Name : RT MARKER 50 ppm
Sample Number: C8-C40
Operator :

Daily Retention Time Marker

Time : 9/22/00 01:14 PM
Study : ICAL 9/21/00

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

Channel : A A/D mV Range : 1000

Interface Serial # : 2136574898 Data Acquisition Time: 9/21/00 08:36 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

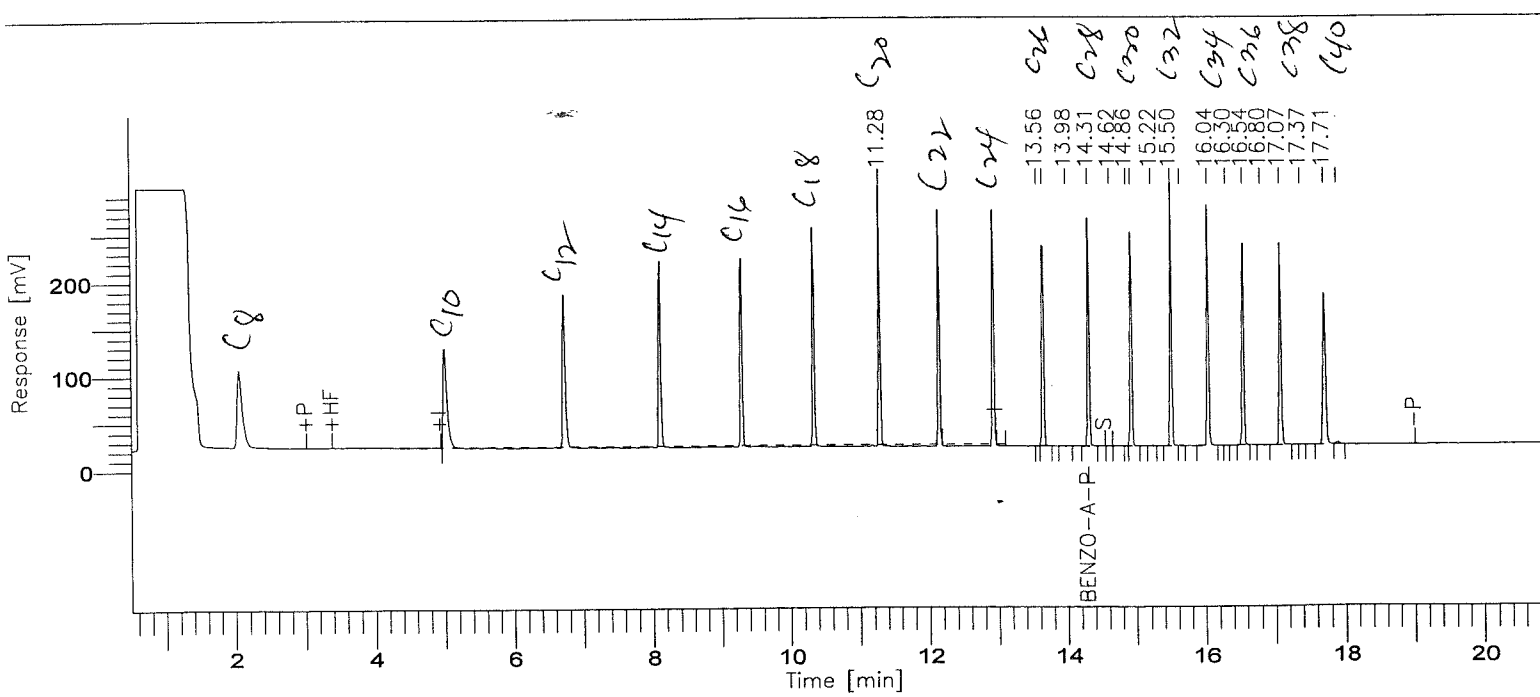
Raw Data File : C:\TC4\DATA_01\921_002.RAW
Result File : C:\TC4\DATA_01\921_002.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\921_002.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_01\921.SEQ

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: 19



001894

8015B(TEPH)

GC01/FID: RTX-1

No peaks available to report

Missing Component Report

Component	Expected Retention (Calibration File)
DIESEL C10-C24	8.030

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\921_002.TX0

Turbochrom Sequence File : C:\TC4\DATA_01\921.SEQ
Created by : doug on : 9/21/00 07:57 AM
Edited by : EC on : 9/22/00 09:01 AM
D cription :

Number of Times Edited : 6

Sequence File Header Information:

Number of Rows : 178
Instrument Type : 760 / 900 Series Intelligent Interface
Injection Type : SINGLE

Sequence Sample Descriptions - Channel A

Row	Type	Sample Name	Sample Number	Study Name	Sample Amount	ISTD Amount	Sample Volume	Dil. Factor	Mult	Divisor	Addend	Norm. factor
1	Sample	MECL2	MECL2	ICAL 9/21/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
2	Sample	RT MARKER	C8-C40	ICAL 9/21/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
3	Std Check	#TEPH00-160 DIE	1000 PPM	ICAL 9/21/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
4	Cal:Replace	RT MARKER	10 PPM	ICAL 9/21/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
5	Cal:Replace	RT MARKER	20 PPM	ICAL 9/21/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
6	Cal:Replace	RT MARKER	30 PPM	ICAL 9/21/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
7	Cal:Replace	RT MARKER	40 PPM	ICAL 9/21/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
8	Cal:Replace	RT MARKER	50 PPM	ICAL 9/21/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
9	Std Check	#TEPH00-160 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
10	Sample	334-MB	DKPW9101B	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
11	Sample	334-LCS	DKPW9102C	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
12	Sample	334-030	DKGKF101	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	976.000	0.000	100.000
13	Sample	334-102	DKGQ0101	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	923.000	0.000	100.000
14	Std Check	#TEPH00-160 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
15	Cal:Replace	#TEPH00-165 RT	10 PPM	ICAL 9/21/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
16	Cal:Replace	#TEPH00-166 RT	20 PPM	ICAL 9/21/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
	Cal:Replace	#TEPH00-167 RT	30 PPM	ICAL 9/21/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
18	Cal:Replace	#TEPH00-168 RT	40 PPM	ICAL 9/21/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
19	Cal:Replace	#TEPH00-169 RT	50 PPM	ICAL 9/21/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
20	Sample	276-MB	DKPW9101B	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
21	Sample	276-LCS	DKPW9102C	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
22	Sample	276-01	DKFV3108	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	1039.000	0.000	100.000
23	Sample	332-01	DKGCA10J	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	985.000	0.000	100.000
24	Sample	332-02	DKGCF10J	ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	973.000	0.000	100.000
25	Std Check	#TEPH00-160 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
26	Sample	RT MARKER	30 PPM	ICAL 9/21/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
27	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
28	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
29	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
30	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
31	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
32	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
33	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
34	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
35	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
36	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
37	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
38	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
39	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
40	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
41	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
42	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
43	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
44	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
45	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
46	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
47	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
48	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
49	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
50	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
51	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
52	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
53	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
54	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
55	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
56	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
57	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
58	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
59	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
60	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000

INITIAL CALIBRATION DATA

Date Analyzed: 10-3-00

Instrument ID: GC1

C8 → C40T

Turbochrom Method File : C:\TC4\DATA_01\METHODS\C8-C40A.MTH <Modified>
Created by : ELVIE on : 6/8/00 12:53 PM
Edited by : ec on : 10/4/00 10:00 AM
Description :

Number of Times Edited : 32
Number of Times Calibrated : 589

ICAL 10-3-00
ALL AVG CF

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

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

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

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

Annotated Replot Parameters :
No replot will be printed

Report Format files :
No report format files given

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

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

Component Information :
C8-C9

Component Type : Timed Group
Start Time : 1.957 min End Time : 4.935 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 250.000000
Value 2: 5.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 30.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	98942.00	20976.93	----------	----------	1
2	20.0000	181282.00	37531.86	----------	----------	1
3	30.0000	314824.00	65619.88	----------	----------	1
4	40.0000	420877.00	85133.87	----------	----------	1
5	50.0000	499248.00	102748.16	----------	----------	1

Average Calibration Factor = 9991.863667 (%RSD = 5.93)

C10-C11
Component Type : Timed Group
Start Time : 4.936 min End Time : 6.607 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 250.000000
Value 2: 5.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 30.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	104746.00	34392.64	----------	----------	1
2	20.0000	191191.38	60962.83	----------	----------	1
3	30.0000	331740.00	100901.38	----------	----------	1
4	40.0000	443619.70	132979.35	----------	----------	1
5	50.0000	528720.50	149845.42	----------	----------	1

Average Calibration Factor = 10551.414346 (%RSD = 5.88)

C12-C13
Component Type : Timed Group
Start Time : 6.608 min End Time : 8.021 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 250.000000
Value 2: 5.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 30.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	110266.00	49885.54	----------	----------	1
2	20.0000	193761.27	82016.59	----------	----------	1

3	30.0000	333534.97	151395.93	----------	----------	1
4	40.0000	448041.99	196026.43	----------	----------	1
5	50.0000	531098.96	212299.79	----------	----------	1

Average Calibration Factor = 10731.104958 (%RSD = 5.81)

C14-C15

Component Type : Timed Group
Start Time : 8.022 min End Time : 9.151 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 250.000000
Value 2: 5.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 30.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	150365.50	56818.65	----------	----------	1
2	20.0000	218824.35	104560.13	----------	----------	1
3	30.0000	355440.23	181276.09	----------	----------	1
4	40.0000	462324.60	230294.14	----------	----------	1
5	50.0000	542272.36	257979.20	----------	----------	1

Average Calibration Factor = 12045.867437 (%RSD = 14.31)

C16-C17

Component Type : Timed Group
Start Time : 9.152 min End Time : 10.231 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 250.000000
Value 2: 5.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 30.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	112854.50	64028.09	----------	----------	1
2	20.0000	190749.20	112897.43	----------	----------	1
3	30.0000	330558.30	189891.03	----------	----------	1
4	40.0000	459089.70	244401.96	----------	----------	1
5	50.0000	539937.28	279018.73	----------	----------	1

Average Calibration Factor = 10823.501644 (%RSD = 7.06)

C18-C19

Component Type : Timed Group
Start Time : 10.232 min End Time : 11.208 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 250.000000
Value 2: 5.000000
Value 3: 0.000000

Value 4: 0.000000
Value 5: 30.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	151176.00	80086.96	----------	----------	1
2	20.0000	215221.80	120773.02	----------	----------	1
3	30.0000	352871.50	189396.26	----------	----------	1
4	40.0000	461316.00	235650.36	----------	----------	1
5	50.0000	543630.90	269400.10	----------	----------	1

Average Calibration Factor = 12009.318282 (%RSD = 14.90)

C20-C23

Component Type : Timed Group
Start Time : 11.209 min End Time : 12.826 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 250.000000
Value 2: 5.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 30.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	239776.61	124095.51	----------	----------	1
2	20.0000	389112.00	212507.34	----------	----------	1
3	30.0000	657391.50	364652.88	----------	----------	1
4	40.0000	887047.50	508553.47	----------	----------	1
5	50.0000	1052064.00	610875.15	----------	----------	1

Average Calibration Factor = 21712.755605 (%RSD = 7.61)

C24-C27

Component Type : Timed Group
Start Time : 12.827 min End Time : 14.240 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 250.000000
Value 2: 5.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 30.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	212010.89	119498.53	----------	----------	1
2	20.0000	369377.00	203971.43	----------	----------	1
3	30.0000	656313.50	351026.98	----------	----------	1
4	40.0000	889214.50	472726.38	----------	----------	1
5	50.0000	1058488.00	566065.73	----------	----------	1

Average Calibration Factor = 20989.435728 (%RSD = 7.05)

C28-C31

Component Type : Timed Group
Start Time : 14.241 min End Time : 15.397 min
Reference Component:

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

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	226569.00	115504.35	----------	----------	1
2	20.0000	379511.00	192383.60	----------	----------	1
3	30.0000	661454.00	338948.30	----------	----------	1
4	40.0000	894571.00	466021.08	----------	----------	1
5	50.0000	1064732.00	567732.02	----------	----------	1

Average Calibration Factor = 21467.966333 (%RSD = 6.91)

C32-C35
Component Type : Timed Group
Start Time : 15.398 min End Time : 16.398 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 250.000000
Value 2: 5.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 30.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	227906.79	122057.86	----------	----------	1
2	20.0000	384509.87	224290.30	----------	----------	1
3	30.0000	663450.00	389173.28	----------	----------	1
4	40.0000	891252.50	529120.62	----------	----------	1
5	50.0000	1061257.50	636964.70	----------	----------	1

Average Calibration Factor = 21527.526898 (%RSD = 6.53)

C36-C39
Component Type : Timed Group
Start Time : 16.399 min End Time : 17.580 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 250.000000
Value 2: 5.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 30.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	225067.21	101651.75	----------	----------	1
2	20.0000	393223.63	192977.38	----------	----------	1
3	30.0000	656936.00	326906.93	----------	----------	1
4	40.0000	879493.00	440446.22	----------	----------	1
5	50.0000	1051892.50	530395.23	----------	----------	1

Average Calibration Factor = 21418.188935 (%RSD = 5.20)

C40+

Component Type : Timed Group
Start Time : 17.581 min End Time : 21.000 min
Reference Component:
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 250.000000
Value 2: 5.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 30.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	103852.50	39580.28	----------	----------	1
2	20.0000	191119.00	74937.86	----------	----------	1
3	30.0000	320957.50	128162.59	----------	----------	1
4	40.0000	428857.00	172389.14	----------	----------	1
5	50.0000	513060.00	205176.18	----------	----------	1

Average Calibration Factor = 10324.481667 (%RSD = 4.58)

Software Version: 4.1<2F12>
Date: 10/4/00 09:57 AM
Sample Name : #TEPH00-165 RT MARKER
D a File : C:\TC4\DATA_01\003_019.RAW Date: 10/3/00 09:06 PM
Sequence File: C:\TC4\DATA_01\003.SEQ Cycle: 19 Channel : A
Instrument : GC-FID-01 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

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

Component	Retn Time	Vol Adj Amount	Adjusted Response	Calibration Factor	%RSD Time	# Reps	%RSD Amt	%RSD Resp	# Reps	CLT Code
C8-C9	3.446	10.00000	98942.000000	9894.200000	------	1	------	------	1	0
C10-C11	5.771	10.00000	104746.000000	10474.600000	------	1	------	------	1	0
C12-C13	7.314	10.00000	110266.000000	11026.600000	------	1	------	------	1	0
C14-C15	8.586	10.00000	150365.500000	15036.550000	------	1	------	------	1	0
C16-C17	9.691	10.00000	112854.500000	11285.450000	------	1	------	------	1	0
C18-C19	10.720	10.00000	151176.000000	15117.600000	------	1	------	------	1	0
C20-C23	12.018	10.00000	239776.605263	23977.660526	------	1	------	------	1	0
C24-C27	13.534	10.00000	212010.894737	21201.089474	------	1	------	------	1	0
C28-C31	14.819	10.00000	226569.000000	22656.900000	------	1	------	------	1	0
C32-C35	15.898	10.00000	227906.785714	22790.678571	------	1	------	------	1	0
C36-C39	16.989	10.00000	225067.214286	22506.721429	------	1	------	------	1	0
C40+	19.290	10.00000	103852.500000	10385.250000	------	1	------	------	1	0

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

Calibration Status:

Component	C0	C1	C2	C3	r^2	Status
C8-C9	0.000000	9991.863667	----------	----------	--------	9
C10-C11	0.000000	10551.414346	----------	----------	--------	9
C12-C13	0.000000	10731.104958	----------	----------	--------	9
C14-C15	0.000000	12090.393179	----------	----------	--------	9
C16-C17	0.000000	10778.975901	----------	----------	--------	9
C18-C19	0.000000	12009.318282	----------	----------	--------	9
C20-C23	0.000000	21712.755605	----------	----------	--------	9
C24-C27	0.000000	20988.613228	----------	----------	--------	9
C28-C31	0.000000	29951.450620	----------	----------	--------	9
C32-C35	0.000000	13044.042611	----------	----------	--------	9
C36-C39	0.000000	21418.188935	----------	----------	--------	9
C40+	0.000000	10324.481667	----------	----------	--------	9

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

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

Software Version: 4.1<2F12>
Sample Name : #TEPH00-165 RT MARKER Time : 10/4/00 09:57 AM
Sample Number: 10 PPM Study : ICAL10/03/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/3/00 09:06 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

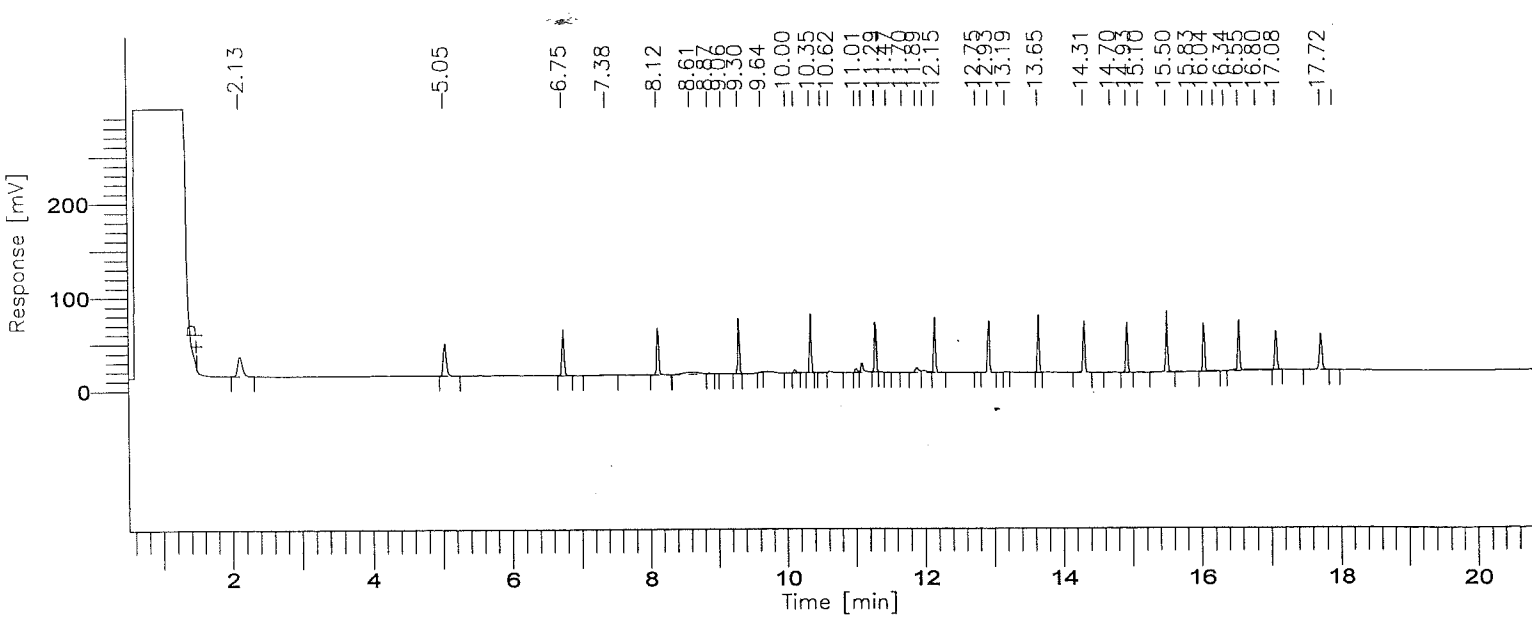
Raw Data File : C:\TC4\DATA_01\003_019.RAW
Result File : C:\TC4\DATA_01\003_019.RST
Inst Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\003_019.RS
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\003.SEQ

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

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

Instrument Conditions:

Total number of peaks detected: 41



Software Version: 4.1<2F12>
Sample Name : #TEPH00-165 RT MARKER Time : 10/4/00 09:57 AM
Sample Number: 10 PPM Study : ICAL10/03/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/3/00 09:06 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

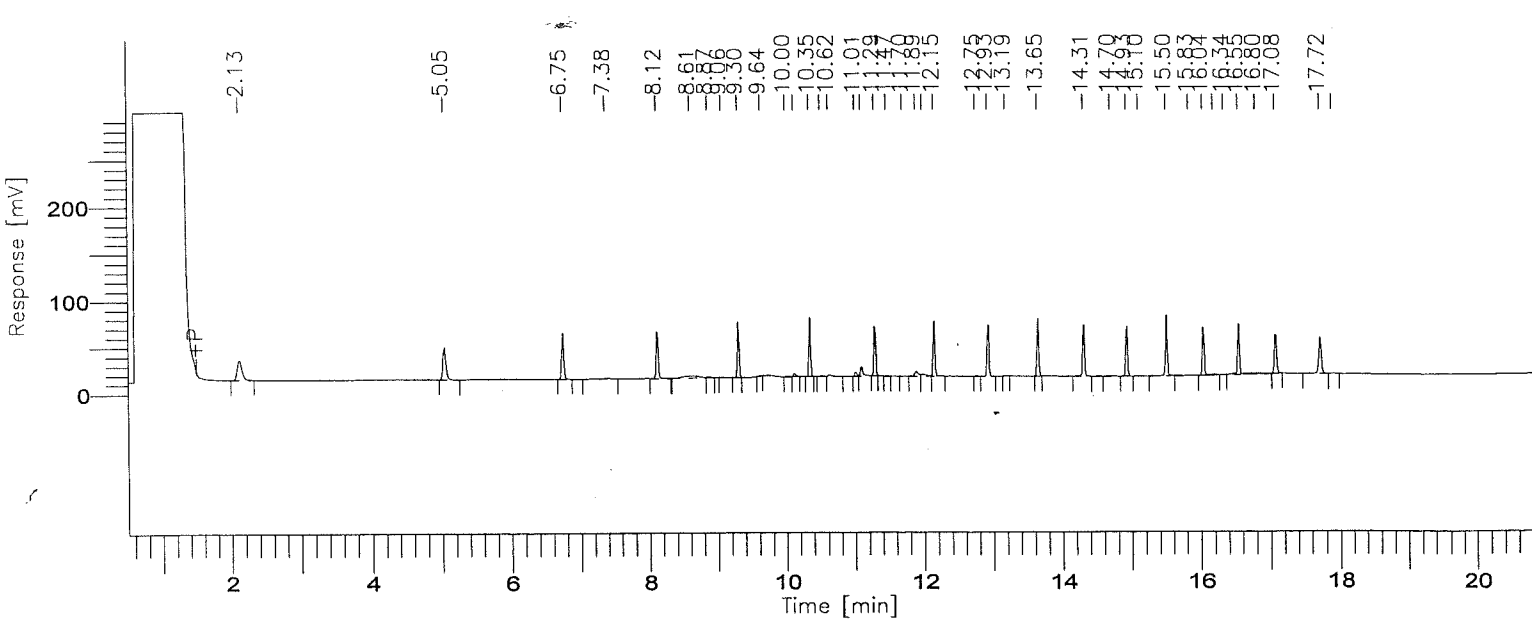
Raw Data File : C:\TC4\DATA_01\O03_019.RAW
Result File : C:\TC4\DATA_01\O03_019.RST
Inst Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\O03_019.RS
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O03.SEQ

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

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

Instrument Conditions:

Total number of peaks detected: 41



001906

BOE-C6-0157470

Software Version: 4.1<2F12>
Sample Name : #TEPH00-165 RT MARKER Time : 10/4/00 09:57 AM
Sample Number: 10 PPM Study : ICAL10/03/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/3/00 09:06 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

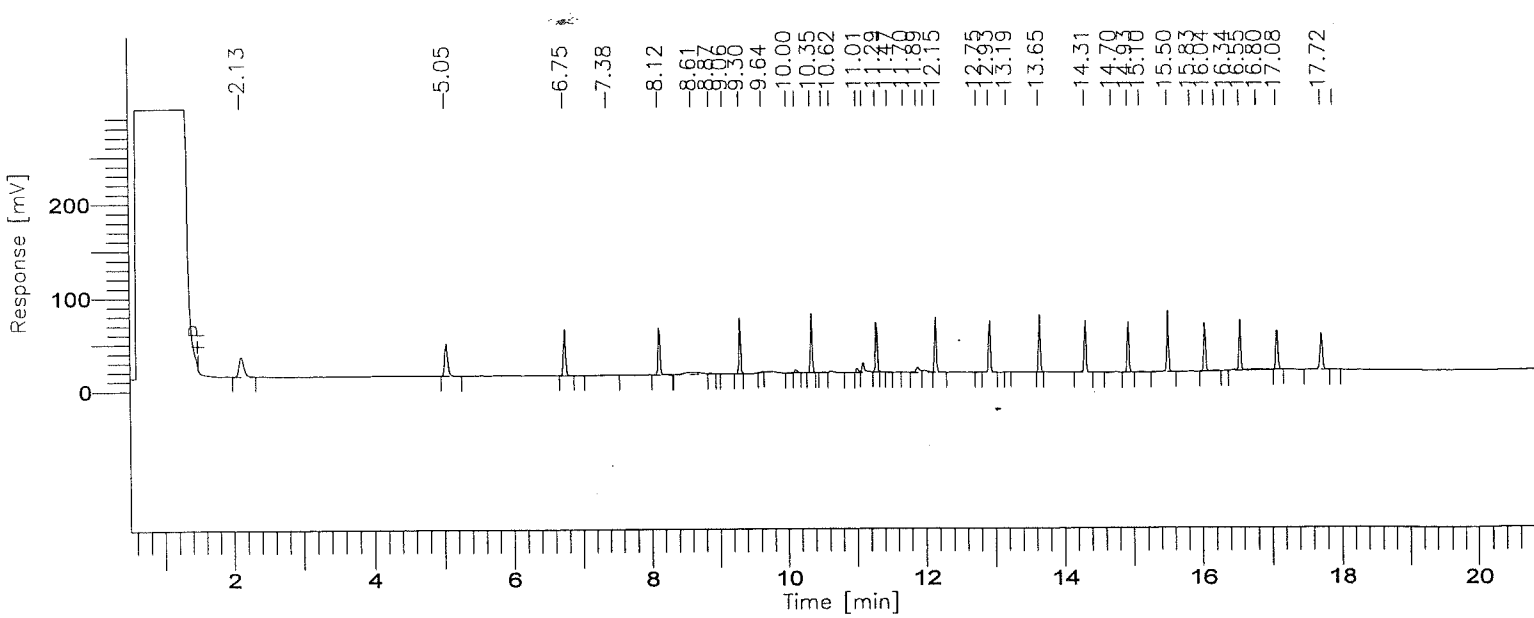
Raw Data File : C:\TC4\DATA_01\O03_019.RAW
Result File : C:\TC4\DATA_01\O03_019.RST
Inst Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\O03_019.RS
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O03.SEQ

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

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

Instrument Conditions:

Total number of peaks detected: 41



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	98942	9.902	------	10.0	
5.77	C10-C11	104746	9.927	------	10.0	
7.31	C12-C13	110266	10.275	------	10.0	
8.59	C14-C15	150365	12.437	------	10.0	
9.69	C16-C17	112854	10.470	------	10.0	
10.72	C18-C19	151176	12.588	------	10.0	
12.02	C20-C23	239777	11.043	------	10.0	
13.53	C24-C27	212011	10.101	------	10.0	
14.82	C28-C31	226569	7.565	------	10.0	
15.90	C32-C35	227907	17.472	------	10.0	
16.99	C36-C39	225067	10.508	------	10.0	
19.29	C40+	103853	10.059	------	10.0	
		1963533	132.348			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
2.12		98942	0.099	------	10.0	
		98942	0.099			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.05		104746	0.105	------	10.0	
		104746	0.105			

Group Report For : C12-C13

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

6.75		104602	0.105	------	10.0
7.38		5664	0.006	------	10.0
		110266	0.110		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.12		105551	0.106	------	10.0	
8.61		39568	0.040	------	10.0	
8.87		3185	0.003	------	10.0	
9.06		2062	0.002	------	10.0	
		150365	0.150			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
[illegible].30		102360	0.102	------	10.0	
[illegible].64		1442	0.001	------	10.0	
10.00		1275	0.001	------	10.0	
10.12		7777	0.008	------	10.0	
		112854	0.113			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.35		102807	0.103	------	10.0	
10.50		2274	0.002	------	10.0	
10.62		6043	0.006	------	10.0	
11.01		11029	0.011	------	10.0	
11.09		29023	0.029	------	10.0	
		151176	0.151			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.29		103326	0.103	------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.47		887	0.001	------	10.0	
11.70		527	0.001	------	10.0	
11.89		18802	0.019	------	10.0	
11.99		10069	0.010	------	10.0	
12.15		105705	0.106	------	10.0	
12.75		461	0.000	------	10.0	
		239777	0.240			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.93		105200	0.105	------	10.0	
13.18		1114	0.001	------	10.0	
13.65		105697	0.106	------	10.0	
		212011	0.212			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.31		110966	0.111	------	10.0	
14.70		4854	0.005	------	10.0	
14.93		106548	0.107	------	10.0	
15.10		4201	0.004	------	10.0	
		226569	0.227			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.50		111715	0.112	------	10.0	
15.83		5262	0.005	------	10.0	
16.04		102405	0.102	------	10.0	
16.19		6715	0.007	------	10.0	
16.34		1809	0.002	------	10.0	
		227907	0.228			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.55		110363	0.110	------	10.0	
16.80		16677	0.017	------	10.0	
17.07		98027	0.098	------	10.0	
		225067	0.225			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.72		101619	0.102	------	10.0	
17.89		2234	0.002	------	10.0	
		103853	0.104			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\003_019.TX0

Software Version: 4.1<2F12>
Date: 10/4/00 09:57 AM
Sample Name : #TEPH00-166 RT MARKER
Data File : C:\TC4\DATA_01\003_020.RAW Date: 10/3/00 09:36 PM
Sequence File: C:\TC4\DATA_01\003.SEQ Cycle: 20 Channel : A
Instrument : GC-FID-01 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

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

Component	Retn Time	Vol Adj Amount	Adjusted Response	Calibration Factor	%RSD Time	# Reps	%RSD Amt	%RSD Resp	# Reps	CLT Code
C8-C9	3.446	20.00000	181282.000000	9064.100000	0.00	2	------	------	1	0
C10-C11	5.771	20.00000	191191.384615	9559.569231	0.00	2	------	------	1	0
C12-C13	7.314	20.00000	193761.267559	9688.063378	0.00	2	------	------	1	0
C14-C15	8.586	20.00000	218824.347826	10941.217391	0.00	2	------	------	1	0
C16-C17	9.691	20.00000	190749.200000	9537.460000	0.00	2	------	------	1	0
C18-C19	10.720	20.00000	215221.800000	10761.090000	0.00	2	------	------	1	0
C20-C23	12.018	20.00000	389112.000000	19455.600000	0.00	2	------	------	1	0
-C27	13.534	20.00000	369377.000000	18468.850000	0.00	2	------	------	1	0
-C31	14.819	20.00000	379511.000000	18975.550000	0.00	2	------	------	1	0
C32-C35	15.898	20.00000	384509.868421	19225.493421	0.00	2	------	------	1	0
C36-C39	16.989	20.00000	393223.631579	19661.181579	0.00	2	------	------	1	0
C40+	19.290	20.00000	191119.000000	9555.950000	0.00	2	------	------	1	0

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

Calibration Status:

Component	C0	C1	C2	C3	r^2	Status
C8-C9	0.000000	9991.863667	----------	----------	--------	9
C10-C11	0.000000	10551.414346	----------	----------	--------	9
C12-C13	0.000000	10731.104958	----------	----------	--------	9
C14-C15	0.000000	12090.393179	----------	----------	--------	9
C16-C17	0.000000	10778.975901	----------	----------	--------	9
C18-C19	0.000000	12009.318282	----------	----------	--------	9
C20-C23	0.000000	21712.755605	----------	----------	--------	9
C24-C27	0.000000	20988.613228	----------	----------	--------	9
C28-C31	0.000000	28051.585620	----------	----------	--------	9
C32-C35	0.000000	14943.907611	----------	----------	--------	9
6-C39	0.000000	21418.188935	----------	----------	--------	9
0+	0.000000	10324.481667	----------	----------	--------	9

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

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

Software Version: 4.1<2F12>
Sample Name : #TEPH00-166 RT MARKER
Sample Number: 20 PPM
Operator :

Time : 10/4/00 09:58 AM
Study : ICAL10/03/00

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

Channel : A A/D mV Range : 1000

Interface Serial # : 2136574898 Data Acquisition Time: 10/3/00 09:36 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_01\O03_020.RAW
Result File : C:\TC4\DATA_01\O03_020.RST
Inst Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\O03_020.RS
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O03.SEQ

Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

Noise Threshold: 50
Multiplier : 1.0000

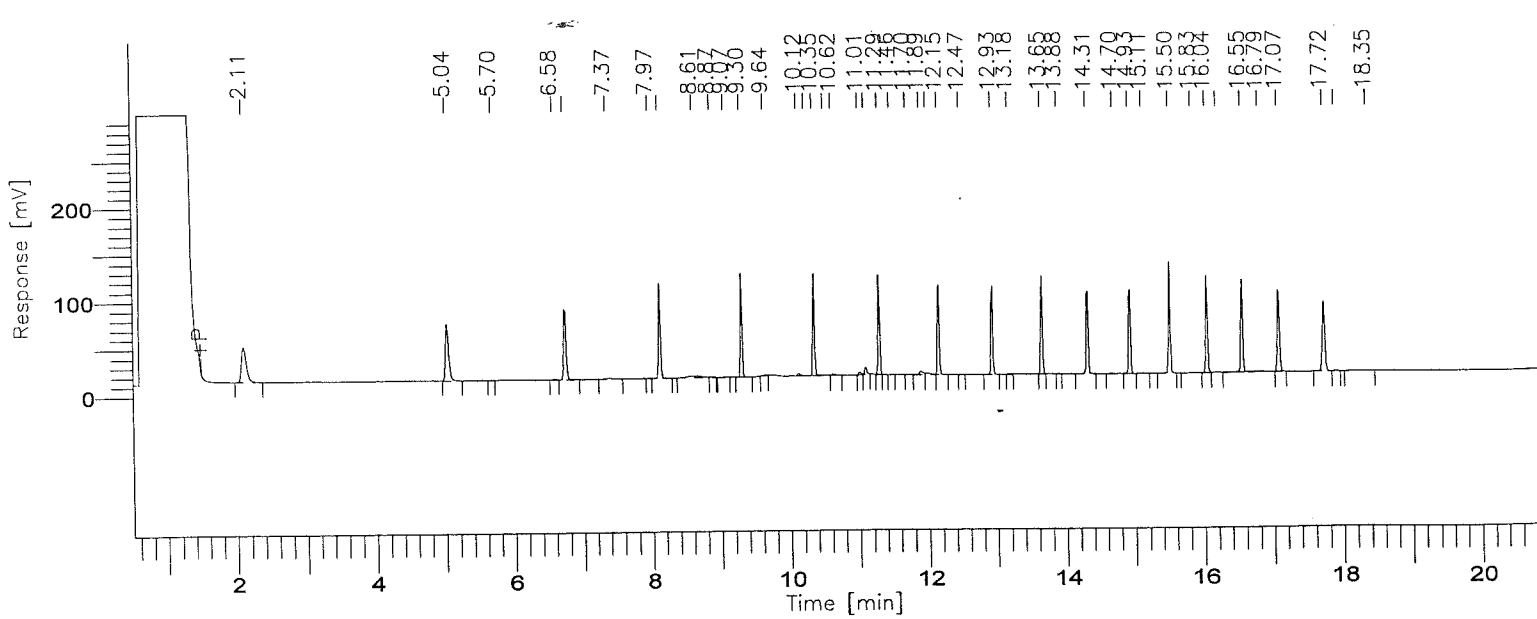
Area Threshold : 200
Divisor : 1.0000

Bunch Factor: 1
Addend : 0.0000

User1 : TPHDA
User2 :
User3 :
User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 45



001913

BOE-C6-0157478

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	181282	18.143	------	10.0	
5.77	C10-C11	191191	18.120	------	10.0	
7.31	C12-C13	193761	18.056	------	10.0	
8.59	C14-C15	218824	18.099	------	10.0	
9.69	C16-C17	190749	17.696	------	10.0	
10.72	C18-C19	215222	17.921	------	10.0	
12.02	C20-C23	389112	17.921	------	10.0	
13.53	C24-C27	369377	17.599	------	10.0	
14.82	C28-C31	379511	13.529	------	10.0	
15.90	C32-C35	384510	25.730	------	10.0	
16.99	C36-C39	393224	18.359	------	10.0	
19.29	C40+	191119	18.511	------	10.0	
		3297882	219.685			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
2.11		181282	0.181	------	10.0	
		181282	0.181			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.04		189332	0.189	------	10.0	
5.70		203	0.000	------	10.0	
6.58		1656	0.002	------	10.0	
		191191	0.191			

Group Report For : C12-C13

Time	Component	Area	Final Results	% SURR	REP. LIMIT	FN

[min]	Name	[µV·s]	(ppm)	REC	mg/kg
6.74		187743	0.188	------	10.0
.37		4956	0.005	------	10.0
7.97		1063	0.001	------	10.0
		193761	0.194		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.12		185237	0.185	------	10.0	
8.61		30042	0.030	------	10.0	
8.87		2322	0.002	------	10.0	
9.07		1223	0.001	------	10.0	
		218824	0.219			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.30		181367	0.181	------	10.0	
9.64		2049	0.002	------	10.0	
10.12		6429	0.006	------	10.0	
10.23		904	0.001	------	10.0	
		190749	0.191			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.35		181663	0.182	------	10.0	
10.51		4127	0.004	------	10.0	
10.62		4432	0.004	------	10.0	
11.01		7349	0.007	------	10.0	
11.09		17651	0.018	------	10.0	
		215222	0.215			

Group Report For : C20-C23

Time	Component	Area	Final Results	% SURR	REP. LIMIT	FN

[min]	Name	[µV·s]	(ppm)	REC	mg/kg
11.29		181508	0.182	------	10.0
11.46		560	0.001	------	10.0
11.70		563	0.001	------	10.0
11.89		14696	0.015	------	10.0
11.98		8022	0.008	------	10.0
12.15		183309	0.183	------	10.0
12.47		454	0.000	------	10.0
		389112	0.389		

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.93		183241	0.183	------	10.0	
13.17		829	0.001	------	10.0	
13.65		184925	0.185	------	10.0	
13.88		382	0.000	------	10.0	
		369377	0.369			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.31		188779	0.189	------	10.0	
14.70		3774	0.004	------	10.0	
14.93		184718	0.185	------	10.0	
15.11		2240	0.002	------	10.0	
		379511	0.380			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.50		189986	0.190	------	10.0	
15.83		3581	0.004	------	10.0	
16.04		186422	0.186	------	10.0	
16.19		4521	0.005	------	10.0	
		384510	0.385			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.55		194622	0.195	------	10.0	
16.79		8207	0.008	------	10.0	
17.07		190395	0.190	------	10.0	
		393224	0.393			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.72		183916	0.184	------	10.0	
17.89		2692	0.003	------	10.0	
18.35		4511	0.005	------	10.0	
		191119	0.191			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\003_020.TX0

Software Version: 4.1<2F12>
Date: 10/4/00 09:58 AM
Sample Name : #TEPH00 167 RT MARKER
Data File : C:\TC4\DATA_01\O03_021.RAW Date: 10/3/00 10:06 PM
Sequence File: C:\TC4\DATA_01\O03.SEQ Cycle: 21 Channel : A
Instrument : GC-FID-01 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

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

Component	Retn Time	Vol Adj Amount	Adjusted Response	Calibration Factor	%RSD Time	# Reps	%RSD Amt	%RSD Resp	# Reps	CLT Code
C8-C9	3.446	30.00000	314824.000000	10494.133333	0.00	3	------	------	1	0
C10-C11	5.771	30.00000	331740.000000	11058.000000	0.00	3	------	------	1	0
C12-C13	7.314	30.00000	333534.972222	11117.832407	0.00	3	------	------	1	0
C14-C15	8.586	30.00000	355440.229270	11848.007642	0.00	3	------	------	1	0
C16-C17	9.691	30.00000	330558.298507	11018.609950	0.00	3	------	------	1	0
C18-C19	10.720	30.00000	352871.500000	11762.383333	0.00	3	------	------	1	0
C20-C23	12.018	30.00000	657391.500000	21913.050000	0.00	3	------	------	1	0
[illegible]-C27	13.533	30.00000	656313.500000	21877.116667	0.00	3	------	------	1	0
C31	14.819	30.00000	661454.000000	22048.466667	0.00	3	------	------	1	0
C32-C35	15.898	30.00000	663450.000000	22115.000000	0.00	3	------	------	1	0
C36-C39	16.989	30.00000	656936.000000	21897.866667	0.00	3	------	------	1	0
C40+	19.290	30.00000	320957.500000	10698.583333	0.00	3	------	------	1	0

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

Calibration Status:

Component	C0	C1	C2	C3	r^2	Status
C8-C9	0.000000	9991.863667	----------	----------	--------	9
C10-C11	0.000000	10551.414346	----------	----------	--------	9
C12-C13	0.000000	10731.104958	----------	----------	--------	9
C14-C15	0.000000	12075.197309	----------	----------	--------	9
C16-C17	0.000000	10794.171772	----------	----------	--------	9
C18-C19	0.000000	12009.318282	----------	----------	--------	9
C20-C23	0.000000	21712.755605	----------	----------	--------	9
C24-C27	0.000000	20988.613228	----------	----------	--------	9
C28-C31	0.000000	25839.788143	----------	----------	--------	9
C32-C35	0.000000	17155.705089	----------	----------	--------	9
C36-C39	0.000000	21418.188935	----------	----------	--------	9
[illegible]0+	0.000000	10324.481667	----------	----------	--------	9

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

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

Software Version: 4.1<2F12>
Sample Name : #TEPH00 167 RT MARKER Time : 10/4/00 09:58 AM
Sample Number: 30 PPM Study : ICAL10/03/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/3/00 10:06 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

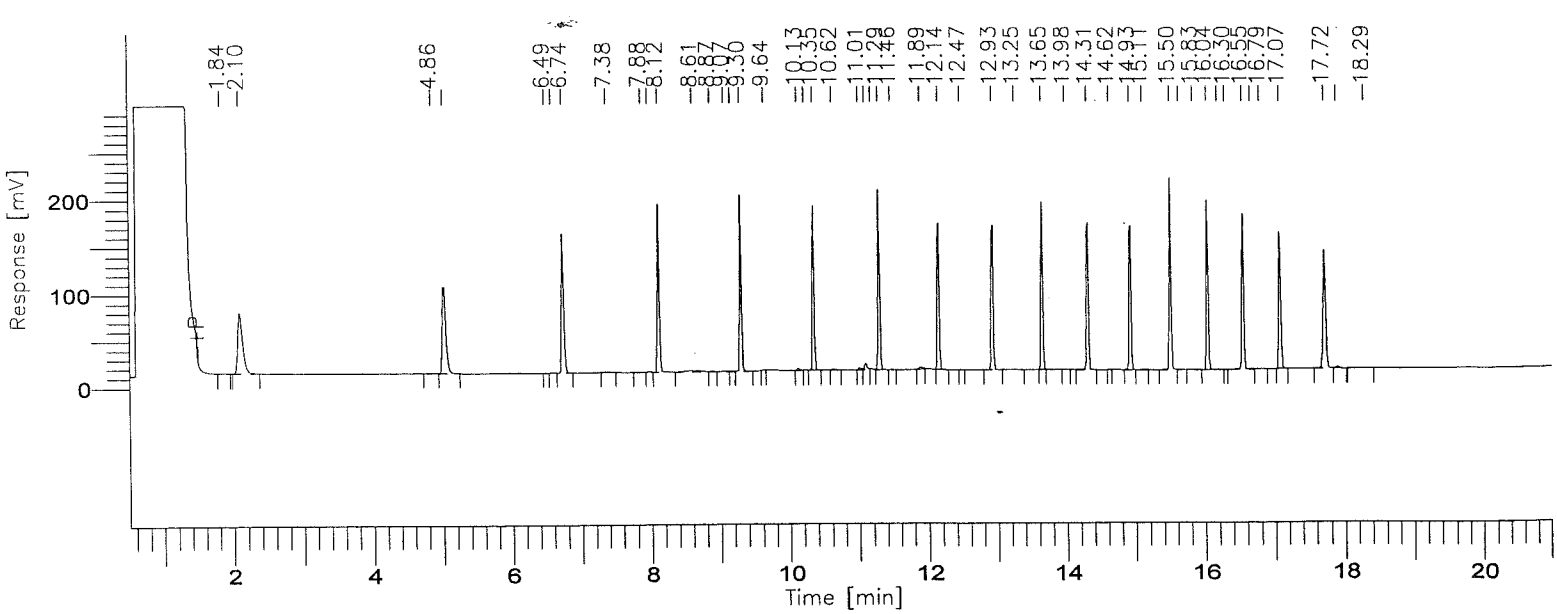
Raw Data File : C:\TC4\DATA_01\O03_021.RAW
Result File : C:\TC4\DATA_01\O03_021.RST
Inst Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\O03_021.RS
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O03.SEQ

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

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

Instrument Conditions:

Total number of peaks detected: 50



001920

BOE-C6-0157485

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	314824	31.508	------	10.0	
5.77	C10-C11	331740	31.440	------	10.0	
7.31	C12-C13	333535	31.081	------	10.0	
8.59	C14-C15	355440	29.436	------	10.0	
9.69	C16-C17	330558	30.624	------	10.0	
10.72	C18-C19	352872	29.383	------	10.0	
12.02	C20-C23	657392	30.277	------	10.0	
13.53	C24-C27	656314	31.270	------	10.0	
14.82	C28-C31	661454	25.598	------	10.0	
15.90	C32-C35	663450	38.672	------	10.0	
16.99	C36-C39	656936	30.672	------	10.0	
19.29	C40+	320958	31.087	------	10.0	
		5635472	371.048			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
2.10		313084	0.313	------	10.0	
4.86		1739	0.002	------	10.0	
		314824	0.315			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.02		329192	0.329	------	10.0	
6.49		482	0.000	------	10.0	
6.59		2066	0.002	------	10.0	
		331740	0.332			

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.74		325176	0.325	------	10.0	
7.38		3985	0.004	------	10.0	
7.88		1679	0.002	------	10.0	
7.98		2695	0.003	------	10.0	
		333535	0.334			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.12		324219	0.324	------	10.0	
8.61		25299	0.025	------	10.0	
8.87		2631	0.003	------	10.0	
9.07		3291	0.003	------	10.0	
		355440	0.355			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.17		2279	0.002	------	10.0	
9.30		321720	0.322	------	10.0	
9.64		764	0.001	------	10.0	
10.12		4887	0.005	------	10.0	
10.23		908	0.001	------	10.0	
		330558	0.331			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.35		320989	0.321	------	10.0	
10.62		2448	0.002	------	10.0	
11.01		6906	0.007	------	10.0	
11.09		18434	0.018	------	10.0	
11.18		4094	0.004	------	10.0	
		352872	0.353			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.29		325676	0.326	------	10.0	
11.46		794	0.001	------	10.0	
11.89		7650	0.008	------	10.0	
12.14		322896	0.323	------	10.0	
12.47		376	0.000	------	10.0	
		657392	0.657			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.93		324592	0.325	------	10.0	
13.25		2602	0.003	------	10.0	
13.65		328711	0.329	------	10.0	
13.98		408	0.000	------	10.0	
		656314	0.656			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.31		331806	0.332	------	10.0	
14.62		489	0.000	------	10.0	
14.93		327474	0.327	------	10.0	
15.11		1685	0.002	------	10.0	
		661454	0.661			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.50		331770	0.332	------	10.0	
15.63		1261	0.001	------	10.0	
15.83		3038	0.003	------	10.0	
16.04		323007	0.323	------	10.0	
16.19		4087	0.004	------	10.0	
16.30		288	0.000	------	10.0	

663450 0.663

G ıp Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.55		326978	0.327	------	10.0	
16.66		3004	0.003	------	10.0	
16.79		3928	0.004	------	10.0	
17.07		323026	0.323	------	10.0	
		656936	0.657			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.72		312418	0.312	------	10.0	
17.89		5701	0.006	------	10.0	
18.29		2838	0.003	------	10.0	
		320958	0.321			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\003_021.TX0

Software Version: 4.1<2F12>
Date: 10/4/00 09:58 AM
Sample Name : #TEPH00-168 RT MARKER
Data File : C:\TC4\DATA_01\003_022.RAW Date: 10/3/00 10:36 PM
Sequence File: C:\TC4\DATA_01\003.SEQ Cycle: 22 Channel : A
Instrument : GC-FID-01 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

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

Component	Retn Time	Vol Adj Amount	Adjusted Response	Calibration Factor	%RSD Time	# Reps	%RSD Amt	%RSD Resp	# Reps	CLT Code
C8-C9	3.446	40.00000	420877.000000	10521.925000	0.00	4	------	------	1	0
C10-C11	5.771	40.00000	443619.700000	11090.492500	0.00	4	------	------	1	0
C12-C13	7.314	40.00000	448041.994444	11201.049861	0.00	4	------	------	1	0
C14-C15	8.586	40.00000	462324.601010	11558.115025	0.00	4	------	------	1	0
C16-C17	9.691	40.00000	459089.704545	11477.242614	0.00	4	------	------	1	0
C18-C19	10.720	40.00000	461316.000000	11532.900000	0.00	4	------	------	1	0
C20-C23	12.018	40.00000	887047.500000	22176.187500	0.00	4	------	------	1	0
-C27	13.534	40.00000	889214.500000	22230.362500	0.00	4	------	------	1	0
-C31	14.819	40.00000	894571.000000	22364.275000	0.00	4	------	------	1	0
C32-C35	15.898	40.00000	891252.500000	22281.312500	0.00	4	------	------	1	0
C36-C39	16.989	40.00000	879493.000000	21987.325000	0.00	4	------	------	1	0
C40+	19.290	40.00000	428857.000000	10721.425000	0.00	4	------	------	1	0

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

Calibration Status:

Component	C0	C1	C2	C3	r^2	Status
C8-C9	0.000000	9991.863667	----------	----------	--------	9
C10-C11	0.000000	10551.414346	----------	----------	--------	9
C12-C13	0.000000	10731.104958	----------	----------	--------	9
C14-C15	0.000000	12059.643407	----------	----------	--------	9
C16-C17	0.000000	10809.725674	----------	----------	--------	9
C18-C19	0.000000	12009.318282	----------	----------	--------	9
C20-C23	0.000000	21712.755605	----------	----------	--------	9
C24-C27	0.000000	20988.735728	----------	----------	--------	9
C28-C31	0.000000	23599.853857	----------	----------	--------	9
C32-C35	0.000000	19395.639375	----------	----------	--------	9
C36-C39	0.000000	21418.188935	----------	----------	--------	9
C40+	0.000000	10324.481667	----------	----------	--------	9

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

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

Software Version: 4.1<2F12>
Sample Name : #TEPH00-168 RT MARKER
Sample Number: 40 PPM
Operator :

Time : 10/4/00 09:58 AM
Study : ICAL10/03/00

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

Channel : A A/D mV Range : 1000

Interface Serial # : 2136574898 Data Acquisition Time: 10/3/00 10:36 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_01\O03_022.RAW
Result File : C:\TC4\DATA_01\O03_022.RST
Inst Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\O03_022.RS
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O03.SEQ

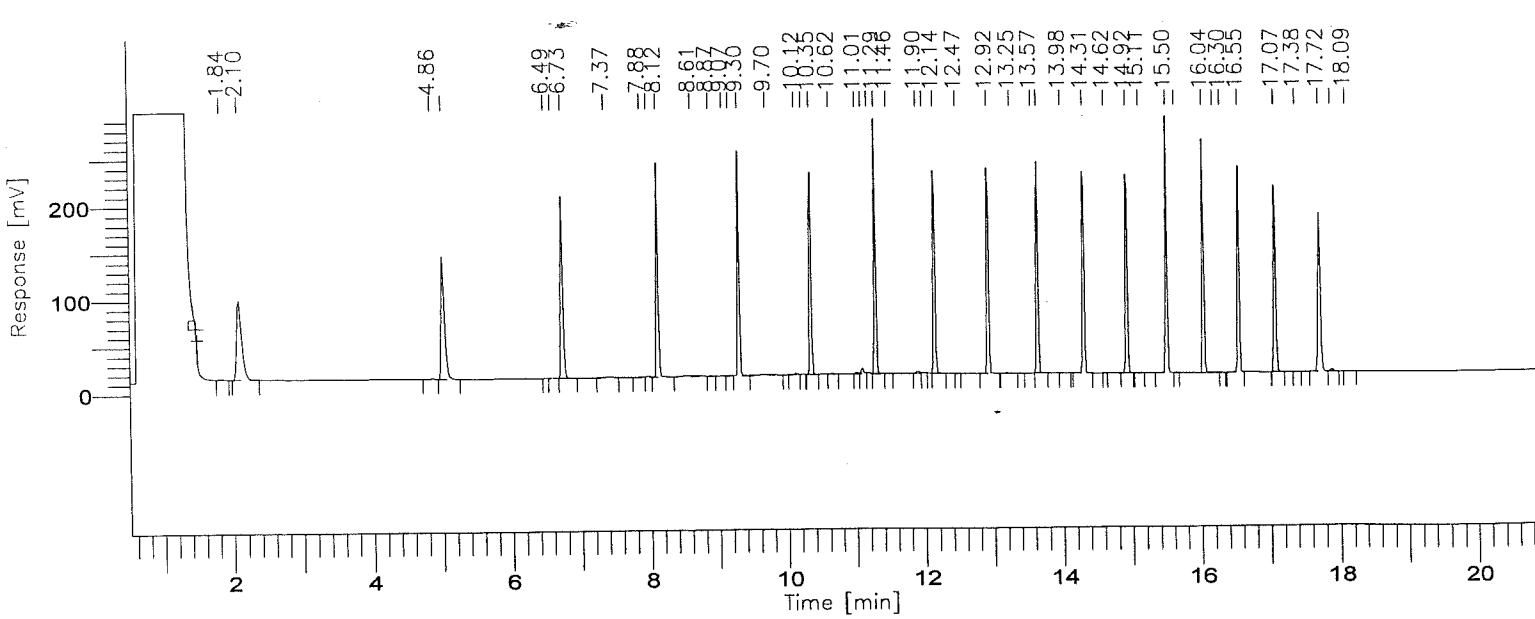
Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

Noise Threshold: 50
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: 50



001927

BOE-C6-0157492

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	420877	42.122	------	10.0	
5.77	C10-C11	443620	42.044	------	10.0	
7.31	C12-C13	448042	41.752	------	10.0	
8.59	C14-C15	462325	38.337	------	10.0	
9.69	C16-C17	459090	42.470	------	10.0	
10.72	C18-C19	461316	38.413	------	10.0	
12.02	C20-C23	887048	40.854	------	10.0	
13.53	C24-C27	889214	42.366	------	10.0	
14.82	C28-C31	894571	37.906	------	10.0	
15.90	C32-C35	891252	45.951	------	10.0	
16.99	C36-C39	879493	41.063	------	10.0	
19.29	C40+	428857	41.538	------	10.0	
		7565704	494.815			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
2.10		418860	0.419	------	10.0	
4.86		2017	0.002	------	10.0	
		420877	0.421			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.02		440068	0.440	------	10.0	
6.49		707	0.001	------	10.0	
6.58		2844	0.003	------	10.0	
		443620	0.444			

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
.73		437357	0.437	------	10.0	
7.36		5762	0.006	------	10.0	
7.88		1587	0.002	------	10.0	
7.98		3337	0.003	------	10.0	
		448042	0.448			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.12		437078	0.437	------	10.0	
8.61		21126	0.021	------	10.0	
8.87		1874	0.002	------	10.0	
9.07		2247	0.002	------	10.0	
		462325	0.462			

oup Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.17		3111	0.003	------	10.0	
9.30		435391	0.435	------	10.0	
9.70		15080	0.015	------	10.0	
10.12		4100	0.004	------	10.0	
10.23		1407	0.001	------	10.0	
		459090	0.459			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.34		435502	0.436	------	10.0	
10.62		2113	0.002	------	10.0	
11.01		5452	0.005	------	10.0	
1.09		14885	0.015	------	10.0	
11.18		3364	0.003	------	10.0	
		461316	0.461			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.28		438426	0.438	------	10.0	
11.46		468	0.000	------	10.0	
11.89		8168	0.008	------	10.0	
11.98		1970	0.002	------	10.0	
12.14		437617	0.438	------	10.0	
12.47		398	0.000	------	10.0	
		887048	0.887			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.92		439448	0.439	------	10.0	
13.25		1986	0.002	------	10.0	
13.57		566	0.001	------	10.0	
13.64		446632	0.447	------	10.0	
13.98		583	0.001	------	10.0	
		889214	0.889			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.31		448145	0.448	------	10.0	
14.62		795	0.001	------	10.0	
14.92		444362	0.444	------	10.0	
15.11		1268	0.001	------	10.0	
		894571	0.895			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.50		447987	0.448	------	10.0	
15.63		974	0.001	------	10.0	
16.04		438327	0.438	------	10.0	
16.19		3504	0.004	------	10.0	
16.30		460	0.000	------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
		891252	0.891			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.54		439556	0.440	------	10.0	
17.07		439353	0.439	------	10.0	
17.38		584	0.001	------	10.0	
		879493	0.879			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
[illegible].72		421515	0.422	------	10.0	
[illegible].89		6803	0.007	------	10.0	
18.09		538	0.001	------	10.0	
		428857	0.429			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\003_022.TX0

Software Version: 4.1<2F12>
Date: 10/4/00 09:58 AM
Sample Name : #TEPH00-169 RT MARKER
Data File : C:\TC4\DATA_01\003_023.RAW Date: 10/3/00 11:06 PM
Sequence File: C:\TC4\DATA_01\003.SEQ Cycle: 23 Channel : A
Instrument : GC-FID-01 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

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

Component	Retn Time	Vol Adj Amount	Adjusted Response	Calibration Factor	%RSD Time	# Reps	%RSD Amt	%RSD Resp	# Reps	CLT Code
C8-C9	3.446	50.00000	499248.000000	9984.960000	0.00	5	------	------	1	0
C10-C11	5.771	50.00000	528720.500000	10574.410000	0.00	5	------	------	1	0
C12-C13	7.314	50.00000	531098.957143	10621.979143	0.00	5	------	------	1	0
C14-C15	8.586	50.00000	542272.356290	10845.447126	0.00	5	------	------	1	0
C16-C17	9.691	50.00000	539937.282721	10798.745654	0.00	5	------	------	1	0
C18-C19	10.720	50.00000	543630.903846	10872.618077	0.00	5	------	------	1	0
C20-C23	12.018	50.00000	1052064.000000	21041.280000	0.00	5	------	------	1	0
C27	13.534	50.00000	1058488.000000	21169.760000	0.00	5	------	------	1	0
C28-C31	14.819	50.00000	1064732.000000	21294.640000	0.00	5	------	------	1	0
C32-C35	15.898	50.00000	1061257.500000	21225.150000	0.00	5	------	------	1	0
C36-C39	16.989	50.00000	1051892.500000	21037.850000	0.00	5	------	------	1	0
C40+	19.290	50.00000	513060.000000	10261.200000	0.00	5	------	------	1	0

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

Calibration Status:

Component	C0	C1	C2	C3	r^2	Status
C8-C9	0.000000	9991.863667	----------	----------	--------	9
C10-C11	0.000000	10551.414346	----------	----------	--------	9
C12-C13	0.000000	10731.104958	----------	----------	--------	9
C14-C15	0.000000	12045.867437	----------	----------	--------	9
C16-C17	0.000000	10823.501644	----------	----------	--------	9
C18-C19	0.000000	12009.318282	----------	----------	--------	9
C20-C23	0.000000	21712.755605	----------	----------	--------	9
C24-C27	0.000000	20989.435728	----------	----------	--------	9
C28-C31	0.000000	21467.966333	----------	----------	--------	9
C32-C35	0.000000	21527.526898	----------	----------	--------	9
C36-C39	0.000000	21418.188935	----------	----------	--------	9
C40+	0.000000	10324.481667	----------	----------	--------	9

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

Software Version: 4.1<2F12>
Date: 10/4/00 09:58 AM
Sample Name : #TEPH00-169 RT MARKER
Data File : C:\TC4\DATA_01\003_023.RAW Date: 10/3/00 11:06 PM
Sequence File: C:\TC4\DATA_01\003.SEQ Cycle: 23 Channel : A
Instrument : GC-FID-01 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

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

Component	Retn Time	Vol Adj Amount	Adjusted Response	Calibration Factor	%RSD Time	# Reps	%RSD Amt	%RSD Resp	# Reps	CLT Code
C8-C9	3.446	50.00000	499248.000000	9984.960000	0.00	5	------	------	1	0
C10-C11	5.771	50.00000	528720.500000	10574.410000	0.00	5	------	------	1	0
C12-C13	7.314	50.00000	531098.957143	10621.979143	0.00	5	------	------	1	0
C14-C15	8.586	50.00000	542272.356290	10845.447126	0.00	5	------	------	1	0
C16-C17	9.691	50.00000	539937.282721	10798.745654	0.00	5	------	------	1	0
C18-C19	10.720	50.00000	543630.903846	10872.618077	0.00	5	------	------	1	0
C20-C23	12.018	50.00000	1052064.000000	21041.280000	0.00	5	------	------	1	0
C27	13.534	50.00000	1058488.000000	21169.760000	0.00	5	------	------	1	0
C28-C31	14.819	50.00000	1064732.000000	21294.640000	0.00	5	------	------	1	0
C32-C35	15.898	50.00000	1061257.500000	21225.150000	0.00	5	------	------	1	0
C36-C39	16.989	50.00000	1051892.500000	21037.850000	0.00	5	------	------	1	0
C40+	19.290	50.00000	513060.000000	10261.200000	0.00	5	------	------	1	0

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

Calibration Status:

Component	C0	C1	C2	C3	r^2	Status
C8-C9	0.000000	9991.863667	----------	----------	--------	9
C10-C11	0.000000	10551.414346	----------	----------	--------	9
C12-C13	0.000000	10731.104958	----------	----------	--------	9
C14-C15	0.000000	12045.867437	----------	----------	--------	9
C16-C17	0.000000	10823.501644	----------	----------	--------	9
C18-C19	0.000000	12009.318282	----------	----------	--------	9
C20-C23	0.000000	21712.755605	----------	----------	--------	9
C24-C27	0.000000	20989.435728	----------	----------	--------	9
C28-C31	0.000000	21467.966333	----------	----------	--------	9
C32-C35	0.000000	21527.526898	----------	----------	--------	9
C36-C39	0.000000	21418.188935	----------	----------	--------	9
C40+	0.000000	10324.481667	----------	----------	--------	9

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

Software Version: 4.1<2F12>
Date: 10/4/00 09:58 AM
Sample Name : #TEPH00-169 RT MARKER
Data File : C:\TC4\DATA_01\003_023.RAW Date: 10/3/00 11:06 PM
Sequence File: C:\TC4\DATA_01\003.SEQ Cycle: 23 Channel : A
Instrument : GC-FID-01 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

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

Component	Retn Time	Vol Adj Amount	Adjusted Response	Calibration Factor	%RSD Time	# Reps	%RSD Amt	%RSD Resp	# Reps	CLT Code
C8-C9	3.446	50.00000	499248.000000	9984.960000	0.00	5	------	------	1	0
C10-C11	5.771	50.00000	528720.500000	10574.410000	0.00	5	------	------	1	0
C12-C13	7.314	50.00000	531098.957143	10621.979143	0.00	5	------	------	1	0
C14-C15	8.586	50.00000	542272.356290	10845.447126	0.00	5	------	------	1	0
C16-C17	9.691	50.00000	539937.282721	10798.745654	0.00	5	------	------	1	0
C18-C19	10.720	50.00000	543630.903846	10872.618077	0.00	5	------	------	1	0
C20-C23	12.018	50.00000	1052064.000000	21041.280000	0.00	5	------	------	1	0
C27	13.534	50.00000	1058488.000000	21169.760000	0.00	5	------	------	1	0
C28-C31	14.819	50.00000	1064732.000000	21294.640000	0.00	5	------	------	1	0
C32-C35	15.898	50.00000	1061257.500000	21225.150000	0.00	5	------	------	1	0
C36-C39	16.989	50.00000	1051892.500000	21037.850000	0.00	5	------	------	1	0
C40+	19.290	50.00000	513060.000000	10261.200000	0.00	5	------	------	1	0

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

Calibration Status:

Component	C0	C1	C2	C3	r^2	Status
C8-C9	0.000000	9991.863667	----------	----------	--------	9
C10-C11	0.000000	10551.414346	----------	----------	--------	9
C12-C13	0.000000	10731.104958	----------	----------	--------	9
C14-C15	0.000000	12045.867437	----------	----------	--------	9
C16-C17	0.000000	10823.501644	----------	----------	--------	9
C18-C19	0.000000	12009.318282	----------	----------	--------	9
C20-C23	0.000000	21712.755605	----------	----------	--------	9
C24-C27	0.000000	20989.435728	----------	----------	--------	9
C28-C31	0.000000	21467.966333	----------	----------	--------	9
C32-C35	0.000000	21527.526898	----------	----------	--------	9
C36-C39	0.000000	21418.188935	----------	----------	--------	9
C40+	0.000000	10324.481667	----------	----------	--------	9

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

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

Software Version: 4.1<2F12>
Sample Name : #TEPH00-169 RT MARKER
Sample Number: 50 PPM
Operator :

Time : 10/4/00 09:58 AM
Study : ICAL10/03/00

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

Channel : A A/D mV Range : 1000

Interface Serial # : 2136574898 Data Acquisition Time: 10/3/00 11:06 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_01\O03_023.RAW
Result File : C:\TC4\DATA_01\O03_023.RST
Inst Method : C:\TC4\DATA_01\METHODS\C8-C40A from C:\TC4\DATA_01\O03_023.RS
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O03.SEQ

Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

Noise Threshold: 50
Multiplier : 1.0000

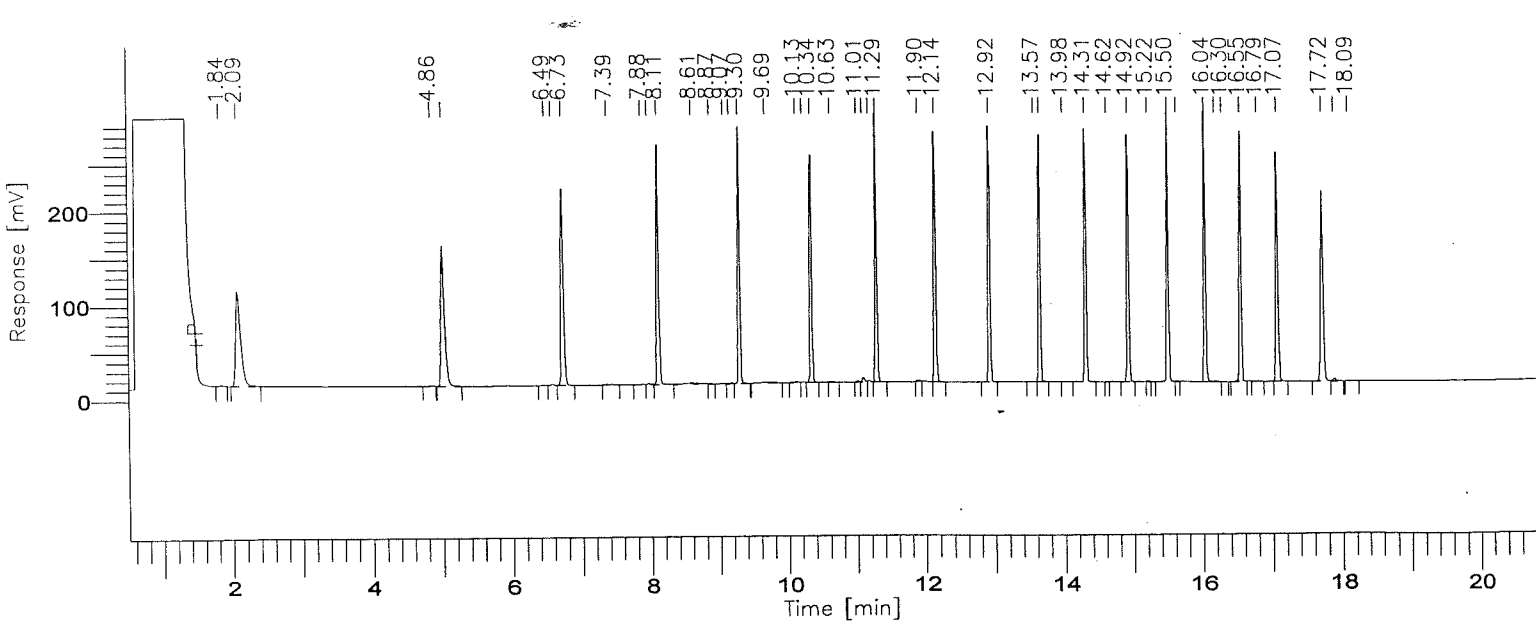
Area Threshold : 200
Divisor : 1.0000

Bunch Factor: 1
Addend : 0.0000

User1 : TPHDA
User2 :
User3 :
User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 46



001934

BOE-C6-0157501

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	499248	49.965	------	10.0	
5.77	C10-C11	528720	50.109	------	10.0	
7.31	C12-C13	531099	49.492	------	10.0	
8.59	C14-C15	542272	45.017	------	10.0	
9.69	C16-C17	539937	49.886	------	10.0	
10.72	C18-C19	543631	45.267	------	10.0	
12.02	C20-C23	1052064	48.454	------	10.0	
13.53	C24-C27	1058488	50.430	------	10.0	
14.82	C28-C31	1064732	49.596	------	10.0	
15.90	C32-C35	1061258	49.298	------	10.0	
16.99	C36-C39	1051892	49.112	------	10.0	
19.29	C40+	513060	49.694	------	10.0	
		8986402	586.319			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
2.09		496715	0.497	------	10.0	
4.86		2533	0.003	------	10.0	
		499248	0.499			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.01		524854	0.525	------	10.0	
6.49		729	0.001	------	10.0	
6.58		3137	0.003	------	10.0	
		528720	0.529			

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
73		520601	0.521	------	10.0	
7.39		4534	0.005	------	10.0	
7.88		1982	0.002	------	10.0	
7.98		3982	0.004	------	10.0	
		531099	0.531			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.11		519686	0.520	------	10.0	
8.61		18294	0.018	------	10.0	
8.87		1686	0.002	------	10.0	
9.07		2607	0.003	------	10.0	
		542272	0.542			

oup Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.17		3444	0.003	------	10.0	
9.30		518036	0.518	------	10.0	
9.69		13324	0.013	------	10.0	
10.13		3479	0.003	------	10.0	
10.23		1654	0.002	------	10.0	
		539937	0.540			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.34		519209	0.519	------	10.0	
10.62		1826	0.002	------	10.0	
11.01		4763	0.005	------	10.0	
1.09		13471	0.013	------	10.0	
11.18		4362	0.004	------	10.0	
		543631	0.544			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.28		523896	0.524	------	10.0	
11.90		5156	0.005	------	10.0	
12.14		523012	0.523	------	10.0	
		1052064	1.052			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.92		524343	0.524	------	10.0	
13.57		526	0.001	------	10.0	
13.64		533030	0.533	------	10.0	
13.98		589	0.001	------	10.0	
		1058488	1.058			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.31		533853	0.534	------	10.0	
14.62		815	0.001	------	10.0	
14.92		529515	0.530	------	10.0	
15.22		549	0.001	------	10.0	
		1064732	1.065			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.50		532972	0.533	------	10.0	
15.63		1162	0.001	------	10.0	
16.04		522881	0.523	------	10.0	
6.18		3624	0.004	------	10.0	
16.29		619	0.001	------	10.0	
		1061258	1.061			

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.55		524789	0.525	------	10.0	
16.79		1898	0.002	------	10.0	
17.07		525206	0.525	------	10.0	
		1051892	1.052			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.71		504088	0.504	------	10.0	
17.89		8232	0.008	------	10.0	
18.09		740	0.001	------	10.0	
		513060	0.513			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\003_023.TX0

10-4-00

ICAL 10-3-00

FILES 19-24

C8 1.957 - 4.935

C10 4.936 - 6.607

C12 6.608 - 8.021

C14 8.022 - 9.151

C16 9.152 - 10.231

C18 10.232 - 11.208

C20 11.209 - 12.826

C24 12.827 - 14.240

C28 14.241 - 15.397

C32 15.398 - 16.398

C36 16.395 - 17.580

C40 17.581 - 31.0

Software Version: 4.1<2F12>
Sample Name : DAILY RT MARKER Time : 10/4/00 10:12 AM
Sample Number: C8-C40 Study : ICAL10/03/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 10/3/00 08:36 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

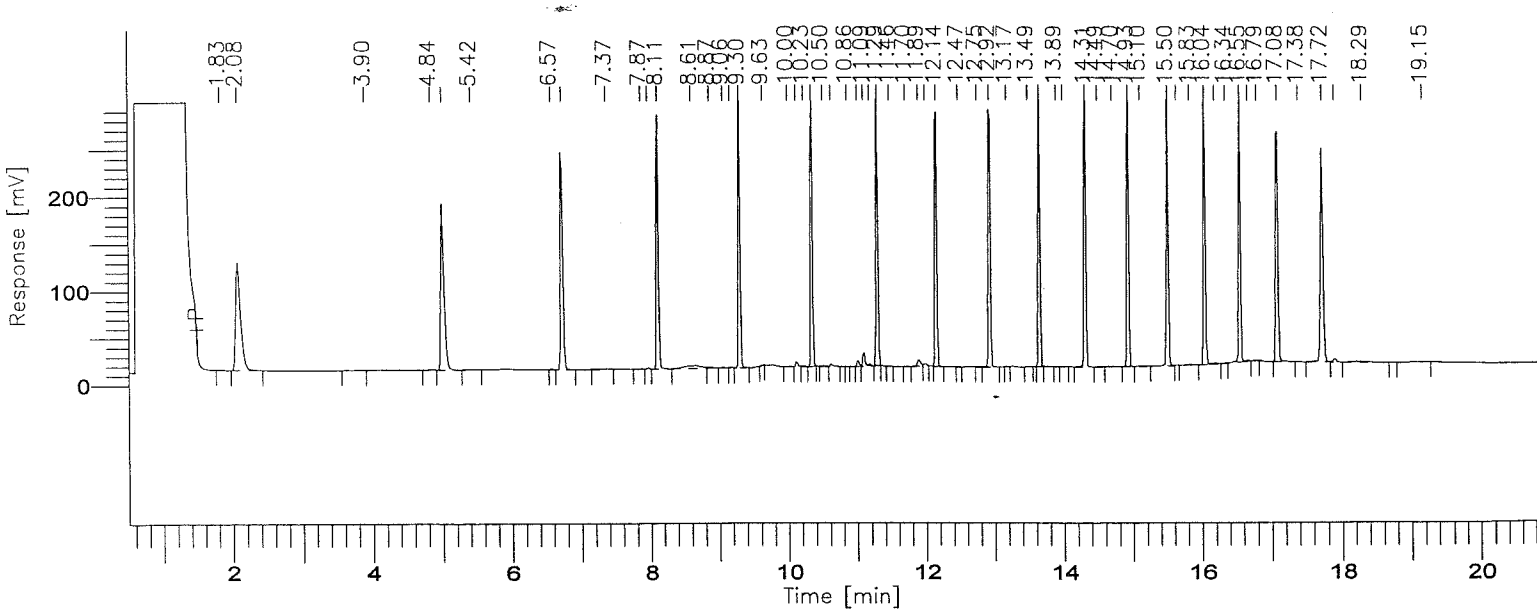
Raw Data File : C:\TC4\DATA_01\003_018A.RAW
Result File : C:\TC4\DATA_01\003_018A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\003_018A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\003.SEQ

Sample Volume : 1.0000 uL 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: 62



001940

BOE-C6-0157507

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	559484	55.994	------	10.0	
5.77	C10-C11	590150	55.931	------	10.0	
7.31	C12-C13	587180	54.718	------	10.0	
8.59	C14-C15	642226	53.315	------	10.0	
9.69	C16-C17	592742	54.764	------	10.0	
10.72	C18-C19	639711	53.268	------	10.0	
12.02	C20-C23	1187222	54.679	------	10.0	
13.53	C24-C27	1175387	55.999	------	10.0	
14.82	C28-C31	1199112	55.856	------	10.0	
15.90	C32-C35	1206984	56.067	------	10.0	
16.99	C36-C39	1203641	56.197	------	10.0	
19.29	C40+	612808	59.355	------	10.0	
		10196647	666.142			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
2.08		555150	0.555	------	10.0	
3.90		1043	0.001	------	10.0	
4.84		3291	0.003	------	10.0	
		559484	0.559			

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
5.00		584142	0.584	------	10.0	
5.42		3072	0.003	------	10.0	
6.57		2937	0.003	------	10.0	
		590150	0.590			

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
.72		579151	0.579	------	10.0	
7.37		3190	0.003	------	10.0	
7.87		1640	0.002	------	10.0	
7.97		3200	0.003	------	10.0	
		587180	0.587			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.11		576075	0.576	------	10.0	
8.61		54435	0.054	------	10.0	
8.87		7224	0.007	------	10.0	
9.06		4491	0.004	------	10.0	
		642226	0.642			

oup Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.17		2111	0.002	------	10.0	
9.30		572313	0.572	------	10.0	
9.63		1998	0.002	------	10.0	
10.00		2315	0.002	------	10.0	
10.12		12192	0.012	------	10.0	
10.23		1814	0.002	------	10.0	
		592742	0.593			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.34		572752	0.573	------	10.0	
10.50		2561	0.003	------	10.0	
0.62		6077	0.006	------	10.0	
10.85		327	0.000	------	10.0	
11.01		15811	0.016	------	10.0	
11.09		35479	0.035	------	10.0	
11.18		6704	0.007	------	10.0	

639711	0.640	

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.29		576589	0.577	------	10.0	
11.46		1072	0.001	------	10.0	
11.70		696	0.001	------	10.0	
11.89		23274	0.023	------	10.0	
11.99		6059	0.006	------	10.0	
12.14		577792	0.578	------	10.0	
12.47		1176	0.001	------	10.0	
12.75		563	0.001	------	10.0	
		1187222	1.187			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.92		581966	0.582	------	10.0	
13.17		1513	0.002	------	10.0	
13.48		1074	0.001	------	10.0	
13.65		588904	0.589	------	10.0	
13.89		610	0.001	------	10.0	
13.98		1320	0.001	------	10.0	
		1175387	1.175			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.31		594663	0.595	------	10.0	
14.49		1681	0.002	------	10.0	
14.70		6684	0.007	------	10.0	
14.93		589964	0.590	------	10.0	
15.10		6121	0.006	------	10.0	
		1199112	1.199			

Group Report For : C32-C35

Time	Component	Area	Final Results	% SURR	REP. LIMIT	FN

[min]	Name	[µV·s]	(ppm)	REC	mg/kg
1[illegible] 50		600034	0.600	------	10.0
1[illegible].63		1718	0.002	------	10.0
15.83		8954	0.009	------	10.0
16.04		586586	0.587	------	10.0
16.18		7555	0.008	------	10.0
16.34		2137	0.002	------	10.0
		1206984	1.207		

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.55		597016	0.597	------	10.0	
16.66		6024	0.006	------	10.0	
16.79		3944	0.004	------	10.0	
17.08		595688	0.596	------	10.0	
17.38		970	0.001	------	10.0	
		1203641	1.204			

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
17.72		576178	0.576	------	10.0	
17.89		10580	0.011	------	10.0	
18.29		18714	0.019	------	10.0	
19.15		7336	0.007	------	10.0	
		612808	0.613			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O03_018A.TX0

Turbochrom Sequence File : C:\TC4\DATA_01\003.SEQ
Created by : doug on : 10/3/00 07:49 AM
Edited by : EC on : 10/4/00 10:12 AM
Description :

Number of Times Edited : 15

Sequence File Header Information:

Number of Rows : 84
Instrument Type : 760 / 900 Series Intelligent Interface
Injection Type : SINGLE

Sequence Sample Descriptions - Channel A

Row	Type	Sample Name	Sample Number	Study Name	Sample Amount	ISTD Amount	Sample Volume	Dil. Factor	Mult	Divisor	Addend	Norm. factor
1	Sample	MECL2	MECL2	ICAL 9/21/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
2	Sample	DAILY RT MAKER	C8-C40	ICAL 9/21/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
3	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
4	Std Check	#TEPH00-167 RT	30 PPM	ICAL9/21/0	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
5	Sample	285-09		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
6	Sample	285-12		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
7	Sample	285-17 2x		ICAL8/28/0	1.000	1.000	1.000	2.000	5.000	20.000	0.000	100.000
8	Sample	285-29		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
9	Sample	285-30		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
10	Sample	285-31		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
11	Sample	285-32		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
12	Sample	285-33		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
13	Sample	MECL2		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
14	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
15	Std Check	#TEPH00-167 RT	30 PPM	ICAL9/21/0	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
16	Sample	MECL2	MECL2	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
17	Sample	MECL2	MECL2	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
18	Sample	DAILY RT MARKER	C8-C40	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
19	Cal:Replace	#TEPH00-165 RT	10 PPM	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
20	Cal:Replace	#TEPH00-166 RT	20 PPM	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
21	Cal:Replace	#TEPH00 167 RT	30 PPM	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
22	Cal:Replace	#TEPH00-168 RT	40 PPM	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
23	Cal:Replace	#TEPH00-169 RT	50 PPM	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
24	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
25	Sample	285-08		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
26	Sample	285-09		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
27	Sample	285-11		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
28	Sample	285-12		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
29	Sample	285-13		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
30	Sample	285-14		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
31	Sample	285-17 2x		ICAL8/28/0	1.000	1.000	1.000	2.000	5.000	20.000	0.000	100.000
32	Sample	285-16		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
33	Sample	285-19		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
34	Sample	285-20		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
35	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
36	Std Check	#TEPH00-167 RT	30 PPM	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
37	Sample	285-21		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
38	Sample	285-22		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
39	Sample	285-24		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
40	Sample	285-25		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
41	Sample	MECL2	MECL2	ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
42	Sample	285-MB		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
43	Sample	285-LCS		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
44	Sample	285-27		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
45	Sample	285-27 MS		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
46	Sample	285-27 MSD		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
47	Sample	285-28		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
48	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
49	Std Check	#TEPH00-167 RT	30 PPM	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
50	Sample	285-29		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
51	Sample	285-30		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
52	Sample	285-31		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
53	Sample	285-32		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
54	Sample	285-33		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
55	Sample	285-34		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
56	Sample	285-35		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
57	Sample	285-36		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
58	Sample	285-37		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
59	Sample	285-38		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
60	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000

61	Std Check	#TEPH00-167 RT	30 PPM	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
62	Sample	285-42		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
63	Sample	285-43		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
64	Sample	285-44		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
65	Sample	285-45		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
66	Sample	285-47		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
67	Sample	285-48		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
3	Sample	285-49		ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
9	Sample	285-50 5x		ICAL8/28/0	1.000	1.000	1.000	5.000	5.000	20.000	0.000	100.000
70	Std Check	MECL2	MECL2	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
71	Std Check	#TEPH00-171 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
72	Std Check	#TEPH00-167 RT	30 PPM	ICAL10/03/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
73	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
74	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
75	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
76	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
77	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
78	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
79	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
80	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
81	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
82	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
83	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
84	Sample			ICAL8/28/0	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000

INITIAL CALIBRATION DATA

Date Analyzed: 082800

Instrument ID: GC01

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

for BAP calcn

Turbochrom Method File : C:\TC4\DATA_01\METHODS\DBC10C24.MTH
Created by : ELVIE on : 11/1/99 01:41 PM
Edited by : ec on : 8/28/00 03:22 PM
Description :

Number of Times Edited : 64
Number of Times Calibrated : 562

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

DBC10C24. Mth

082800

Average Cal factor - OK

Second source - OK

Processing Parameters :

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

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

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

Baseline Timed Events :

Event #1 - -P at 0.131
Event #2 - +P at 3.025
Event #3 - +HF at 3.400
Event #4 - +I at 5.016
Event #5 - -I at 13.098
Event #6 - -HF at 13.101
Event #7 - S at 14.679
Event #8 - S at 14.794
Event #9 - -P at 19.000

Annotated Replot Parameters :

No replot will be printed

Report Format files :

No report format files given

User Programs :

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

Global Information :

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

001948

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

Component Information :

DIESEL C10-C24

Component Type : Single Peak Component
Retention Time : 8.030 min Search Window: 40.00 s, 10.00 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 250.000000
Value 2: 5.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 1000.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	40.0000	226213.50	3195.43	----------	----------	1
2	100.0000	793456.00	8527.83	----------	----------	1
3	1000.0000	7940532.00	78341.54	----------	----------	1
4	2000.0000	16609752.00	166148.41	----------	----------	1
5	5000.0000	35621371.00	341661.11	----------	----------	1

Average Calibration Factor = 7391.915940 (%RSD = 14.37)

BENZO-A-PYRENE

Component Type : Single Peak Component
Retention Time : 14.737 min Search Window: 5.00 s, 3.00 %
Reference Component:
Find largest peak in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 12.500000
Value 2: 0.250000
Value 3: 12.500000
Value 4: 0.250000
Value 5: 50.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	10.0000	103771.92	64592.07	----------	----------	1
2	25.0000	274262.17	172578.54	----------	----------	1
3	50.0000	527346.69	299284.65	----------	----------	1
4	80.0000	841752.00	414358.87	----------	----------	1
5	100.0000	1034749.00	532930.77	----------	----------	1

Average Calibration Factor = 10552.800436 (%RSD = 2.36)

Software Version: 4.1<2F12>
Sample Name : #TEPH00-129 SECOND SOURCE DIESEL STD Time : 8/28/00 03:36 PM
Sample Number: 1000 PPM Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 8/28/00 03:12 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Second Source - good to use
From Ext. lab diesel 8-28-00
Stock # 1560-2
Source: Ulm or 76 Edinger, Sta/

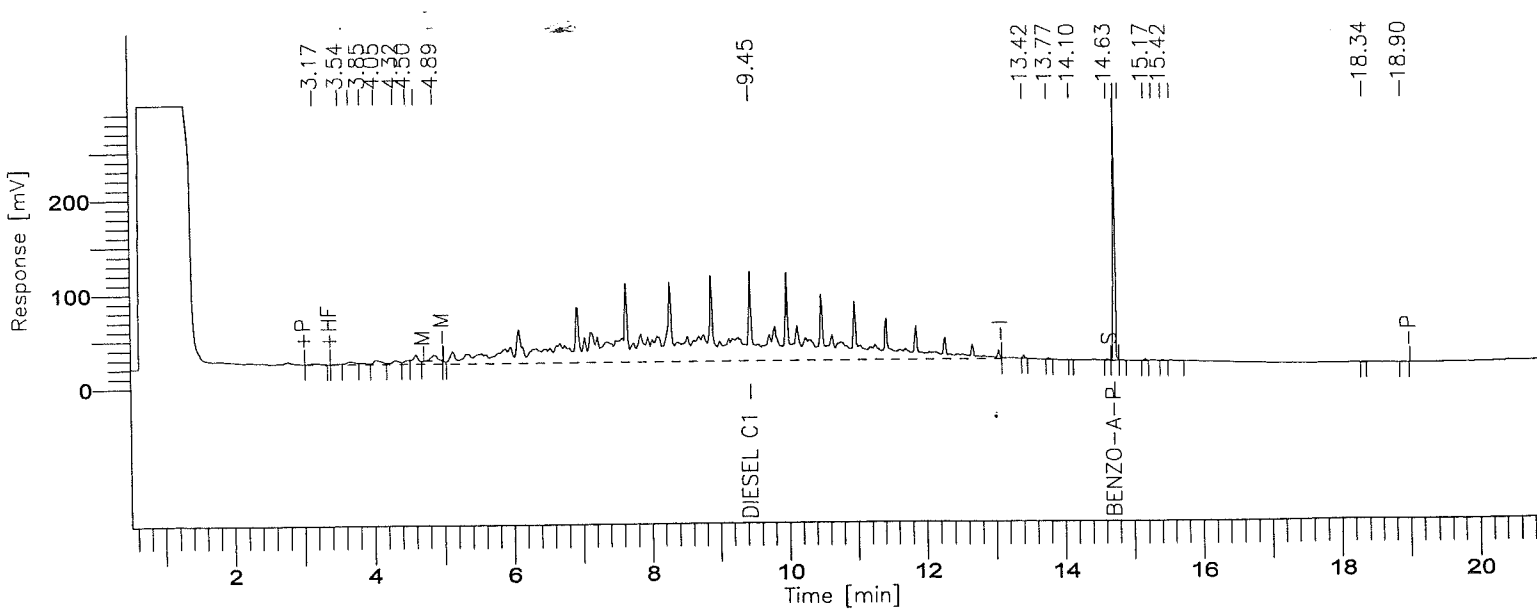
Raw Data File : C:\TC4\DATA_01\828_011.RAW
Result File : C:\TC4\DATA_01\828_011.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\828_011.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\828_011.R
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\828_011.R
Sequence File : C:\TC4\DATA_01\828.SEQ

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

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

Instrument Conditions:

Total number of peaks detected: 22



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BOE-C6-0157517

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
3.165		10669	0.0107	------	----------
3.535		4298	0.0043	------	----------
3.684		23708	0.0237	------	----------
3.846		9046	0.0090	------	----------
4.048		31741	0.0317	------	----------
4.324		26813	0.0268	------	----------
4.502		22845	0.0228	------	----------
4.617		53811	0.0538	------	----------
4.885		101597	0.1016	------	----------
9.451	DIESEL C10-C24	8084434	1093.6859	1000.0	9.37
13.417		6000	0.0060	------	----------
13.766		2763	0.0028	------	----------
14.101		905	0.0009	------	----------
14.629		2583	0.0026	------	----------
4.735	BENZO-A-PYRENE	551748	52.2845	50.0	4.57
14.800		640	0.0006	------	----------
15.167		2982	0.0030	------	----------
15.283		4065	0.0041	------	----------
15.418		2667	0.0027	------	----------
15.543		2594	0.0026	------	----------
18.335		323	0.0003	------	----------
18.895		645	0.0006	------	----------
		8946877	1146.2811		

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\828_011.TX0

Software Version: 4.1<2F12>
Date: 8/28/00 03:17 PM
Sample Name : #TEPH00-98 DIESEL STD
Data File : C:\TC4\DATA_01\828_006.RAW Date: 8/28/00 12:43 PM
Sequence File: C:\TC4\DATA_01\828.SEQ Cycle: 6 Channel : A
Instrument : GC-FID-01 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

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

Component	Retn Time	Vol Adj Amount	Adjusted Response	Calibration Factor	%RSD Time	# Reps	%RSD Amt	%RSD Resp	# Reps	CLT Code
DIESEL C10-C24	8.030	40.00000	226213.500000	5655.337500	4.16	5	------	------	1	0
BENZO-A-PYRENE	14.737	10.00000	103771.916667	10377.191667	0.04	5	------	------	1	0

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

Calibration Status:

Component	C0	C1	C2	C3	r^2	Status
DIESEL C10-C24	475495.090348	7192.343741	----------	----------	0.993570	9
BENZO-A-PYRENE	0.000000	10552.800436	----------	----------	--------	9

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

Software Version: 4.1<2F12>
Sample Name : #TEPH00-98 DIESEL STD
Sample Number: 40 PPM
Operator :

Time : 8/28/00 03:17 PM
Study : ICAL 8/28/00

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

Channel : A A/D mV Range : 1000

Interface Serial # : 2136574898 Data Acquisition Time: 8/28/00 12:43 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_01\828_006.RAW
Result File : C:\TC4\DATA_01\828_006.rst
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\828_006.r
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_01\828.SEQ

Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

Noise Threshold: 50
Multiplier : 1.0000

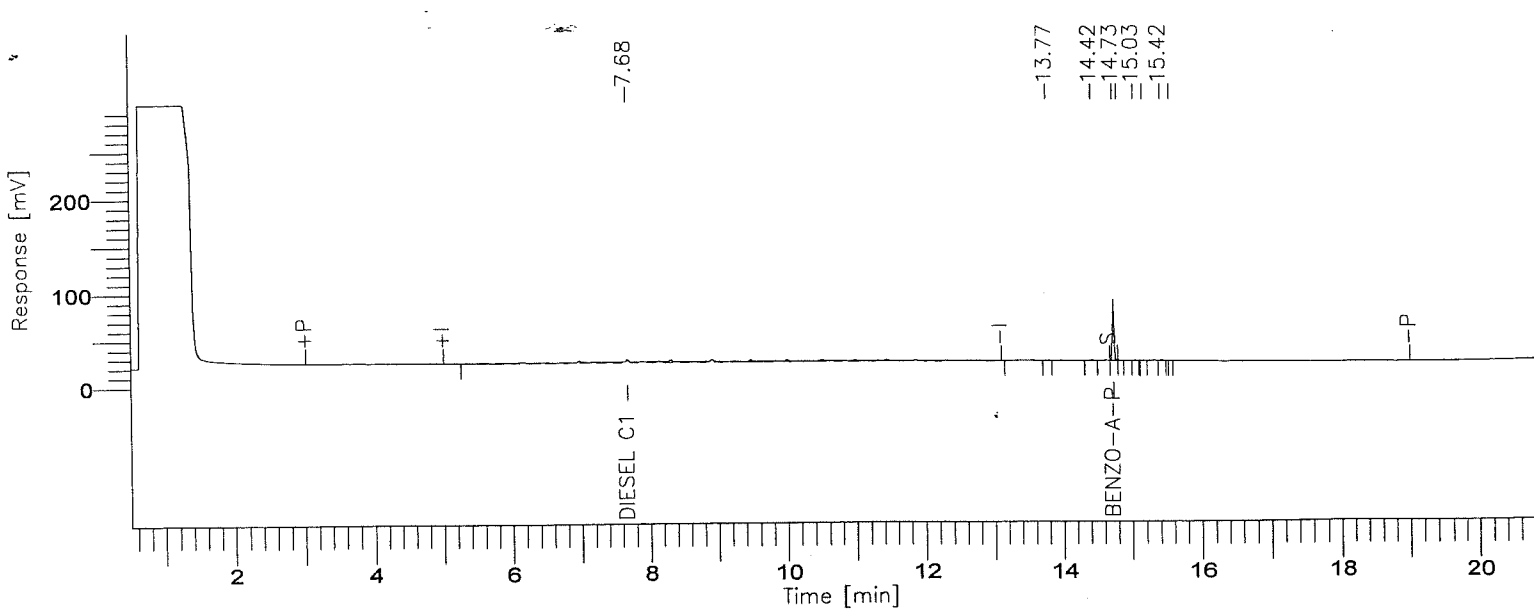
Area Threshold : 200
Divisor : 1.0000

Bunch Factor: 1
Addend : 0.0000

User1 : TPHDA
User2 :
User3 :
User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 9



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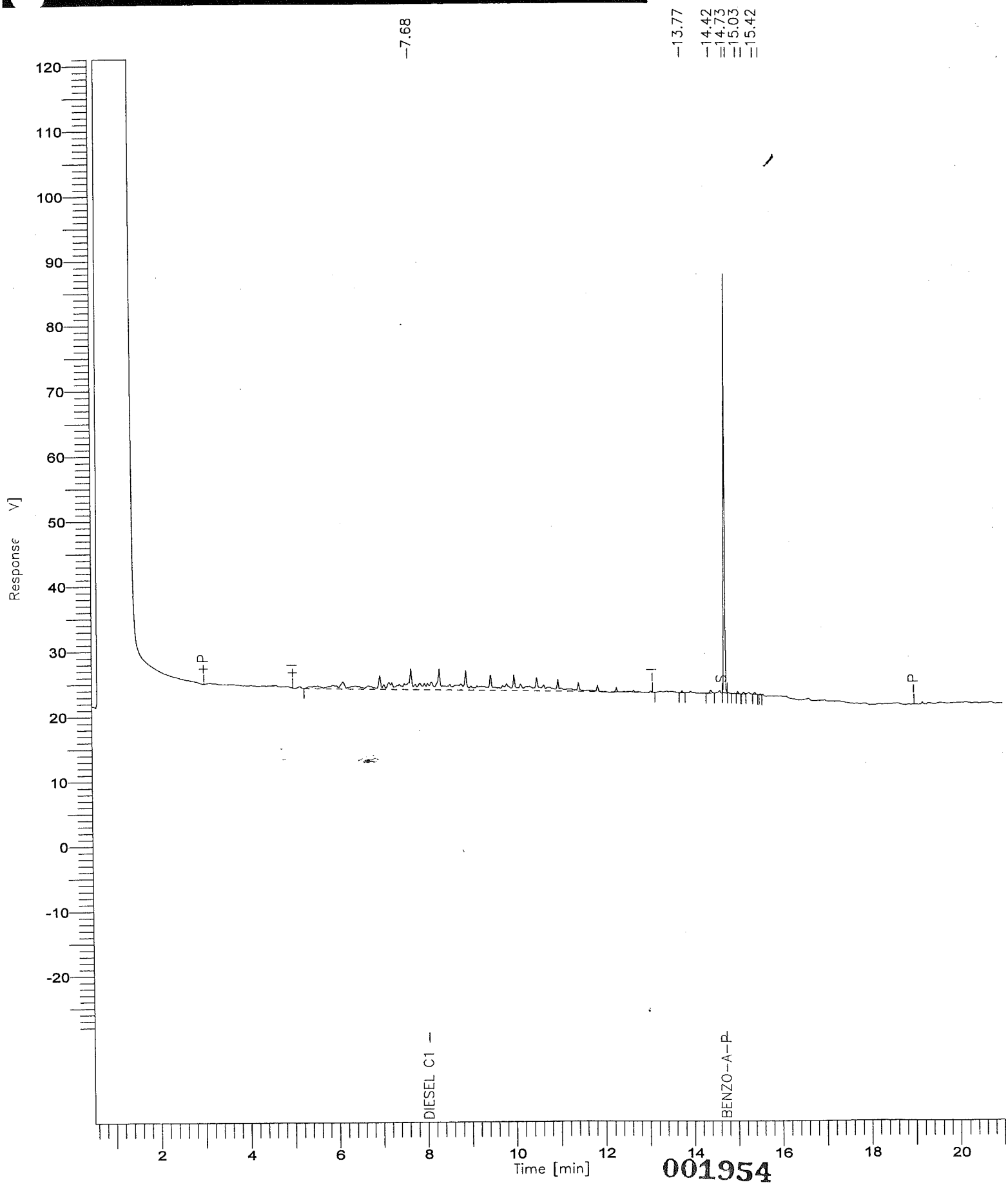
BOE-C6-0157520

[redacted]



001954

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.68	DIESEL C10-C24	226214	-34.659	------	10.0	
14.73	BENZO-A-PYRENE	103772	9.834	78.7	10.0	
		329985	-24.826			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\828_006.TX0

Software Version: 4.1<2F12>
Date: 8/28/00 03:18 PM
Sample Name : #TEPH00-99 DIESEL STD
Data File : C:\TC4\DATA_01\828_007.RAW Date: 8/28/00 01:13 PM
Sequence File: C:\TC4\DATA_01\828.SEQ Cycle: 7 Channel : A
Instrument : GC-FID-01 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

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

Component	Retn Time	Vol Adj Amount	Adjusted Response	Calibration Factor	%RSD Time	# Reps	%RSD Amt	%RSD Resp	# Reps	CLT Code
DIESEL C10-C24	8.030	100.00000	793456.000000	7934.560000	4.16	5	------	------	1	0
BENZO-A-PYRENE	14.737	25.00000	274262.166667	10970.486667	0.04	5	------	------	1	0

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

Calibration Status:

Component	C0	C1	C2	C3	r^2	Status
DIESEL C10-C24	656355.376644	7145.018872	----------	----------	0.994383	9
BENZO-A-PYRENE	0.000000	10552.800436	----------	----------	--------	9

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

Software Version: 4.1<2F12>
Sample Name : #TEPH00-99 DIESEL STD Time : 8/28/00 03:18 PM
Sample Number: 100 PPM Study : ICAL 8/28/00
C rator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 8/28/00 01:13 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

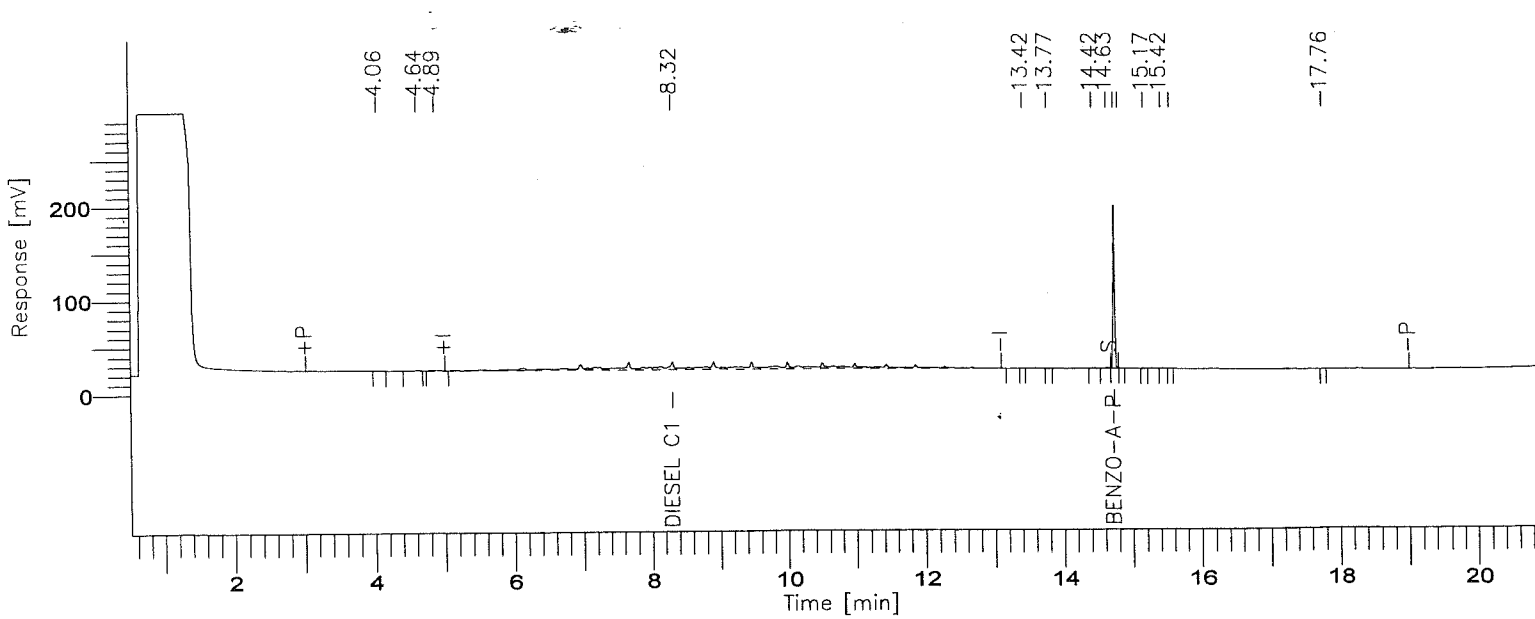
Raw Data File : C:\TC4\DATA_01\828_007.RAW
Result File : C:\TC4\DATA_01\828_007.rst
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\828_007.r
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_01\828.SEQ

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

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

Instrument Conditions:

Total number of peaks detected: 14



001957

BOE-C6-0157524

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.32	DIESEL C10-C24	793456	19.188	------	10.0	
14.73	BENZO-A-PYRENE	274262	25.990	207.9	10.0	
		1067718	45.178			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\828_007.TX0

Software Version: 4.1<2F12>
Date: 8/28/00 03:19 PM
Sample Name : #TEPH00-143 DIESEL STD
Data File : C:\TC4\DATA_01\828_008.RAW Date: 8/28/00 01:43 PM
Sequence File: C:\TC4\DATA_01\828.SEQ Cycle: 8 Channel : A
Instrument : GC-FID-01 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

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

Component	Retn Time	Vol Adj Amount	Adjusted Response	Calibration Factor	%RSD Time	# Reps	%RSD Amt	%RSD Resp	# Reps	CLT Code
DIESEL C10-C24	8.030	1000.00000	7940532.000000	7940.532000	4.16	5	------	------	1	0
BENZO-A-PYRENE	14.737	50.00000	527346.692308	10546.933846	0.04	5	------	------	1	0

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

Calibration Status:

Component	C0	C1	C2	C3	r^2	Status
DIESEL C10-C24	635236.090529	7148.050866	----------	----------	0.994423	9
BENZO-A-PYRENE	0.000000	10552.800436	----------	----------	--------	9

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

Software Version: 4.1<2F12>
Sample Name : #TEPH00-143 DIESEL STD
Sample Number: 1000 PPM
Operator :

Time : 8/28/00 03:19 PM
Study : ICAL 8/28/00

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

Channel : A A/D mV Range : 1000

Interface Serial # : 2136574898 Data Acquisition Time: 8/28/00 01:43 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_01\828_008.RAW
Result File : C:\TC4\DATA_01\828_008.rst
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\828_008.r
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_01\828.SEQ

Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

Noise Threshold: 50
Multiplier : 1.0000

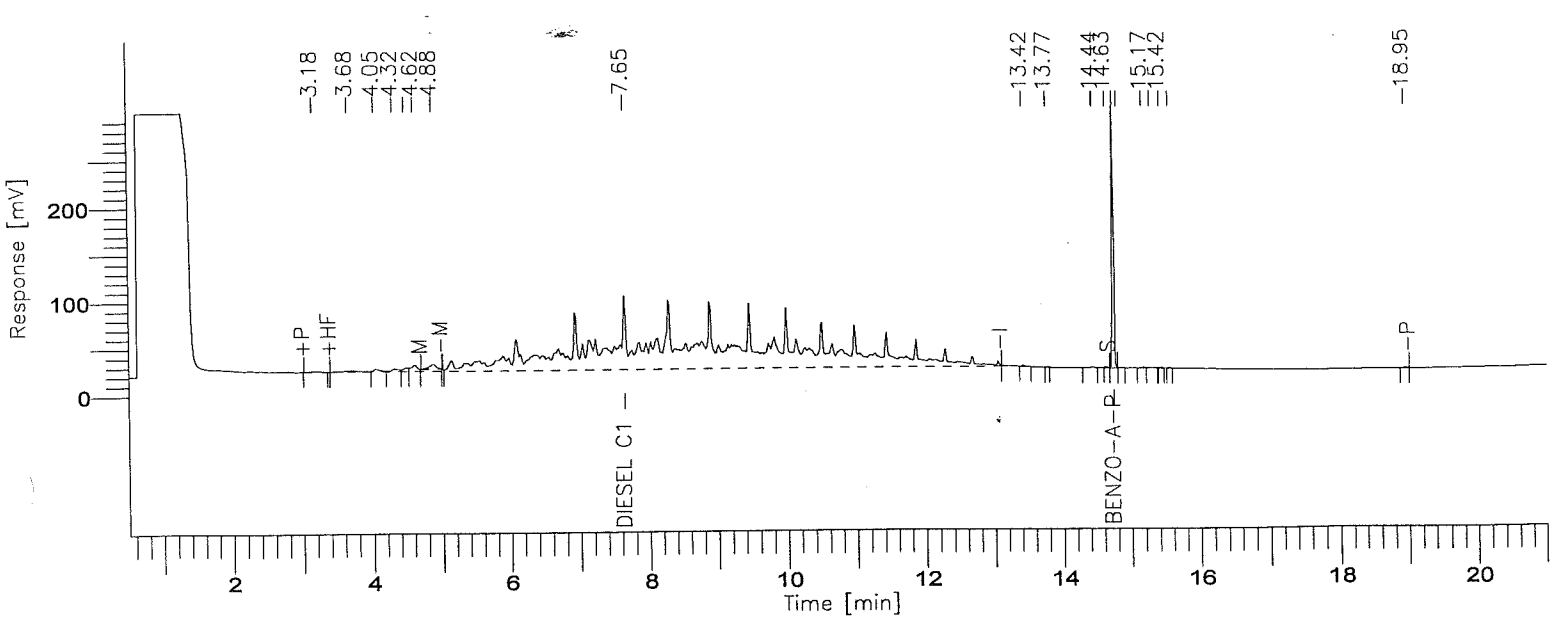
Area Threshold : 200
Divisor : 1.0000

Bunch Factor: 1
Addend : 0.0000

User1 : TPHDA
User2 :
User3 :
User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 19



001960

BOE-C6-0157527

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.65	DIESEL C10-C24	7940532	1021.998	------	10.0	
14.74	BENZO-A-PYRENE	527347	49.972	399.8	10.0	
		8467879	1071.971			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\828_008.TX0

Software Version: 4.1<2F12>
Date: 8/28/00 03:20 PM
Sample Name : #TEPH00-101 DIESEL STD
Data File : C:\TC4\DATA_01\828_009.RAW Date: 8/28/00 02:12 PM
Sequence File: C:\TC4\DATA_01\828.SEQ Cycle: 9 Channel : A
Instrument : GC-FID-01 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

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

Component	Retn Time	Vol Adj Amount	Adjusted Response	Calibration Factor	%RSD Time	# Reps	%RSD Amt	%RSD Resp	# Reps	CLT Code
DIESEL C10-C24	8.030	2000.00000	1.66097520e+07	8304.876000	4.16	5	------	------	1	0
BENZO-A-PYRENE	14.737	80.00000	841752.000000	10521.900000	0.04	5	------	------	1	0

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

Calibration Status:

Component	C0	C1	C2	C3	r^2	Status
DIESEL C10-C24	607380.729520	7144.277746	----------	----------	0.995117	9
BENZO-A-PYRENE	0.000000	10552.800436	----------	----------	--------	9

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

Software Version: 4.1<2F12>
Sample Name : #TEPH00-101 DIESEL STD Time : 8/28/00 03:20 PM
Sample Number: 2000 PPM Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 8/28/00 02:12 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

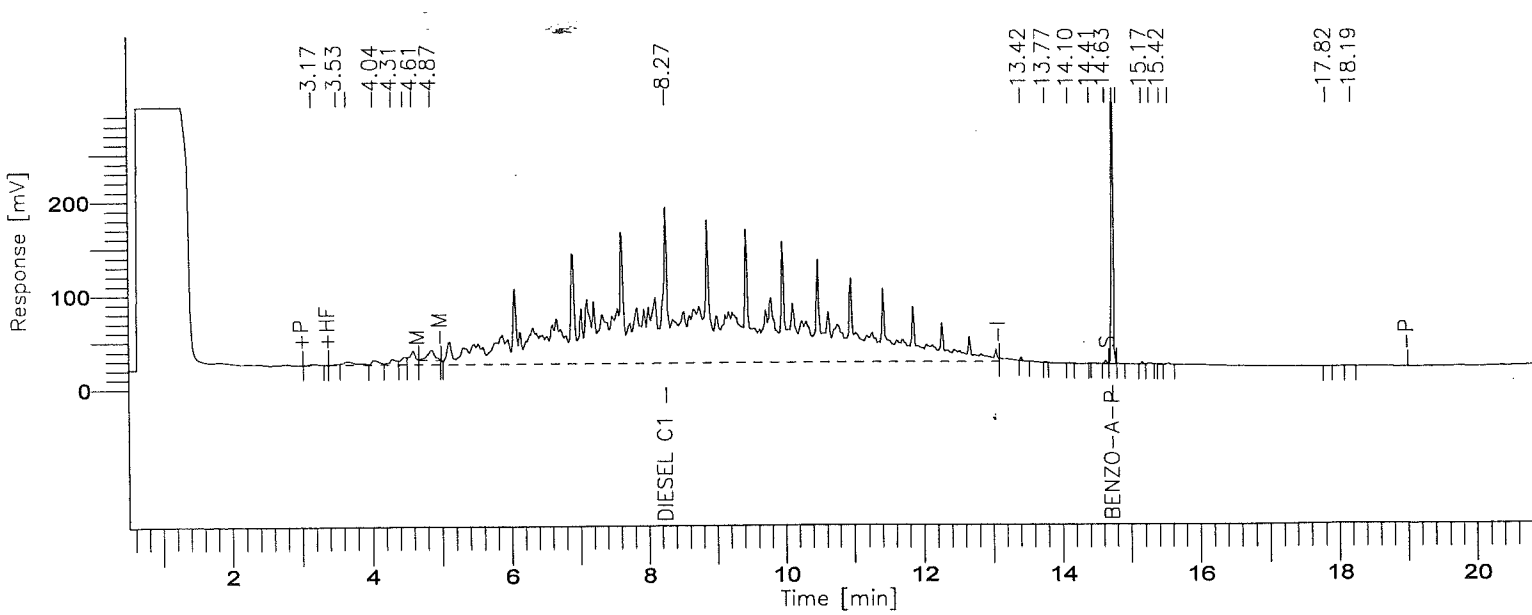
Raw Data File : C:\TC4\DATA_01\828_009.RAW
Result File : C:\TC4\DATA_01\828_009.rst
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\828_009.r
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_01\828.SEQ

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

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

Instrument Conditions:

Total number of peaks detected: 22



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.27	DIESEL C10-C24	16609752	2239.886	------	10.0	
14.74	BENZO-A-PYRENE	841752	79.766	638.1	10.0	
		17451504	2319.652			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\828_009.TX0

Software Version: 4.1<2F12>
Date: 8/28/00 03:10 PM
Sample Name : #TEPH00-102 DIESEL STD
Data File : C:\TC4\DATA_01\828_010.RAW Date: 8/28/00 02:42 PM
Sequence File: C:\TC4\DATA_01\828.SEQ Cycle: 10 Channel : A
Instrument : GC-FID-01 Rack/Vial: 0/0 Operator:
Sample Amount : 1.0000 Dilution Factor : 1.00

AUTO-CALIBRATION REPORT

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

Component	Retn Time	Vol Adj Amount	Adjusted Response	Calibration Factor	%RSD Time	# Reps	%RSD Amt	%RSD Resp	# Reps	CLT Code
DIESEL C10-C24	8.030	5000.00000	3.56213710e+07	7124.274200	4.16	5	------	------	1	0
BENZO-A-PYRENE	14.737	100.00000	1034749.000000	10347.490000	0.04	5	------	------	1	0

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

Calibration Status:

Component	C0	C1	C2	C3	r^2	Status
DIESEL C10-C24	137509.351670	7145.248371	----------	----------	0.999202	9
BENZO-A-PYRENE	0.000000	10491.132103	----------	----------	--------	9

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

Software Version: 4.1<2F12>
Sample Name : #TEPH00-102 DIESEL STD Time : 8/28/00 03:10 PM
Sample Number: 5000 PPM Study : ICAL 8/28/00
Operator :

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

Interface Serial # : 2136574898 Data Acquisition Time: 8/28/00 02:42 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

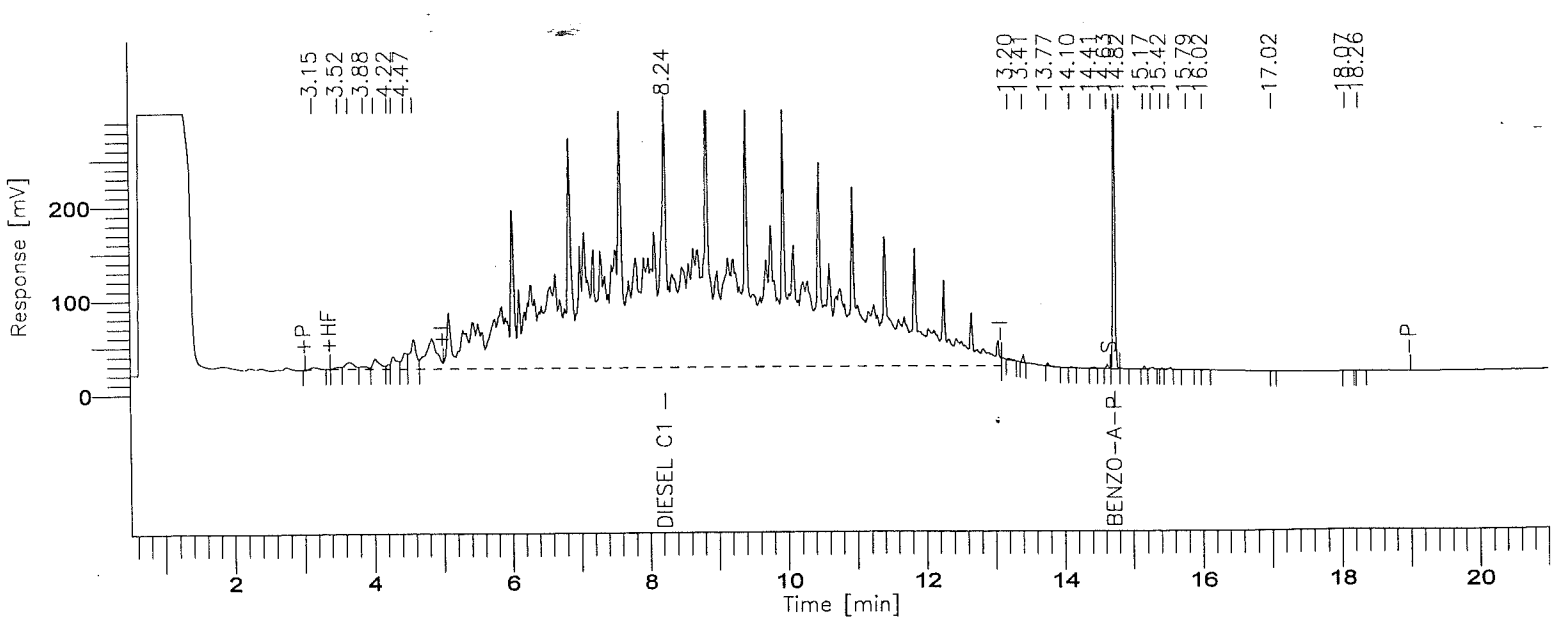
Raw Data File : C:\TC4\DATA_01\828_010.RAW
Result File : C:\TC4\DATA_01\828_010.rst
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\828_010.r
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_01\828.SEQ

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

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

Instrument Conditions:

Total number of peaks detected: 27



001966

BOE-C6-0157533

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.24	DIESEL C10-C24	35621371	4966.078	------	10.0	
14.74	BENZO-A-PYRENE	1034749	98.631	789.0	10.0	
		36656120	5064.709			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\828_010.TX0

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

Time : 8/28/00 03:35 PM
Study : ICAL 8/28/00

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

Channel : A A/D mV Range : 1000

Interface Serial # : 2136574898 Data Acquisition Time: 8/28/00 12:14 PM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_01\828_005.RAW
Result File : C:\TC4\DATA_01\828_005.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\828_005.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24.mth
Sequence File : C:\TC4\DATA_01\828.SEQ

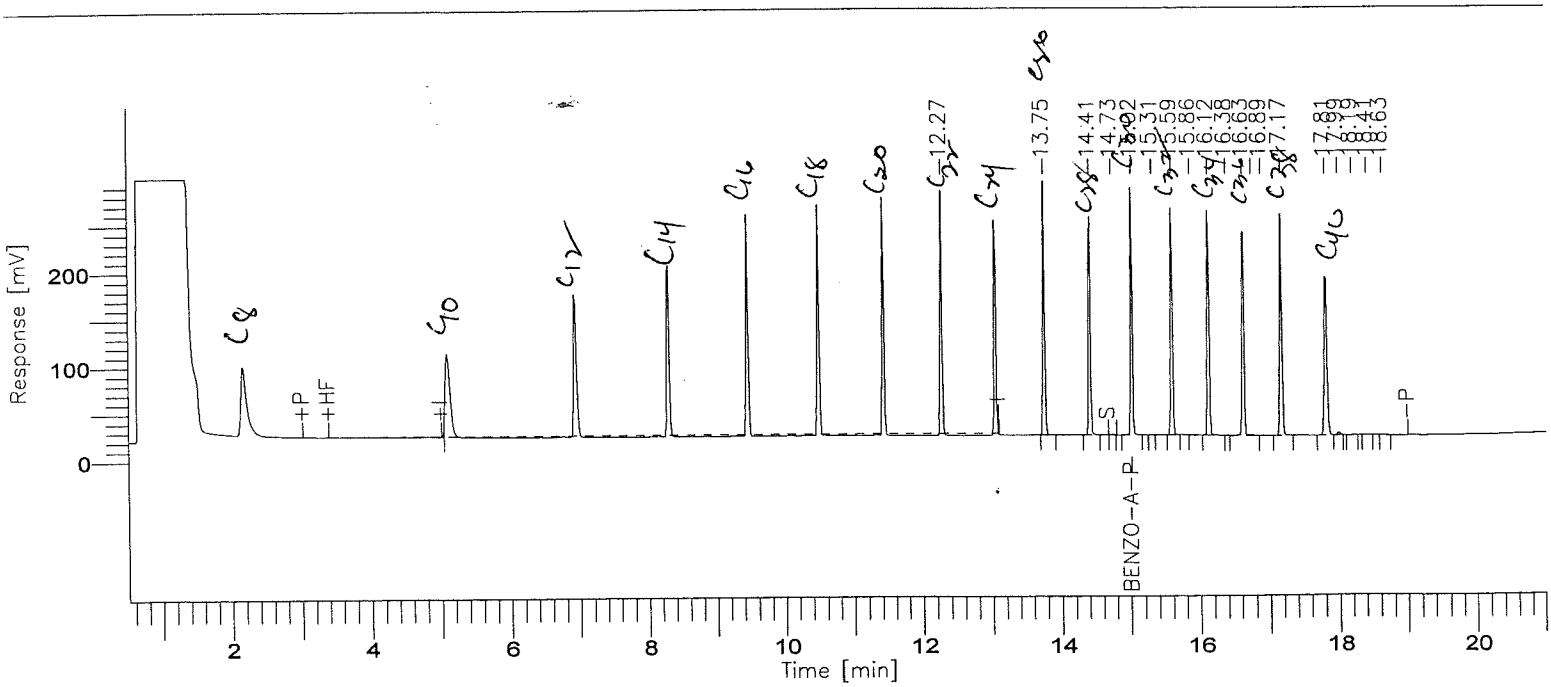
Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

Noise Threshold: 50
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: 19



001968

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.03	DIESEL C10-C24	0	0.000	------	10.0	
15.02	BENZO-A-PYRENE	478054	45.301	362.4	10.0	
		478054	45.301			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\828_005.TX0

Turbochrom Sequence File : C:\TC4\DATA_01\828.SEQ
Created by : doug on : 8/28/00 09:10 AM
Edited by : EC on : 8/28/00 10:46 AM
Description :

Number of Times Edited : 2

Sequence File Header Information:

Number of Rows : 131
Instrument Type : 760 / 900 Series Intelligent Interface
Injection Type : SINGLE

Sequence Sample Descriptions - Channel A

Row	Type	Sample Name	Sample Number	Study Name	Sample Amount	ISTD Amount	Sample Volume	Dil. Factor	Mult	Divisor	Addend	Norm. factor
1	Sample	MECL2	MECL2	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
2	Sample	MECL2	MECL2	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
3	Sample	RT MARKER	C8-C40	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
4	Sample	MECL2	MECL2	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
5	Sample	RT MARKER	C8-C40	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
6	Cal:Replace	#TEPH00-98 DIES	40 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
7	Cal:Replace	#TEPH00-99 DIES	100 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
8	Cal:Replace	#TEPH00-143 DIE	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
9	Cal:Replace	#TEPH00-101 DIE	2000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
10	Cal:Replace	#TEPH00-102 DIE	5000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
11	Std Check	#TEPH00-129 SEC	1000 PPM	ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
12	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
13	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
14	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
15	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
16	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
7	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
8	Cal:Replace			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
19	Cal:Replace			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
20	Cal:Replace			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
21	Cal:Replace			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
22	Cal:Replace			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
23	Std Check			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
24	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
25	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
26	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
27	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
28	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
29	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
30	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
31	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
32	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
33	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
34	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
35	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
36	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
37	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
38	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
39	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
40	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
41	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
42	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
43	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
44	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
45	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
46	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
47	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
48	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
49	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
50	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
51	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
52	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
53	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
54	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
55	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
56	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
57	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
58	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
59	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
60	Sample			ICAL 8/28/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000

Supporting Raw Data

Metals

Lot # EJI260285

BOE-C6-0157538

STL Los Angeles
Précis
CVAA Data Summary Cover Sheet

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

Analyst: JGA
Analytical Date: 9/28/00
Data File: HG009280
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.
0270508	EOI220329	9/29/00		
	EOI250215			
	LOI190323			L3
0271418	EOI260285			L3
0271421	EOI260285			

Calibration Stds:
Preparation: Date 9/28/00 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:

N:\metals\forms\dscs.doc
06/22/00

FURNACE DATA SHEET

File: HG00928C Element: HG__ Instrument: LEEMAN_____

Start Run Date: 09/28/00 End Run Date: 09/28/00

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

0.9999 9/29/00 JG

Concentration Units: Ug/L

#	SAMPLE ID	Time	Dil Factor	Sample (Absorb)	Sample (Conc)	%R/R	Flag		
1	S0	17:33	1.00		0.0000				
2	S0.2	17:34	1.00		0.2000				
3	S0.5	17:36	1.00		0.5000				
4	S1	17:38	1.00		1.0000				
5	S5	17:40	1.00		5.0000				
6	S10	17:42	1.00		10.0000				
7	ICV	17:44	1.00		2.6000	104			
8	ICB	17:46	1.00		-0.0480			ND	
9	DL3DXB 0270508	17:47	1.00		-0.0370			ND	
10	DL3DXC	17:49	1.00		5.1400	103		0.857	
11	DL36F	17:51	1.00		0.1230			ND	
12	DL36L	17:53	1.00		-0.0050			↓	
13	DL36Q	17:55	1.00		0.0420			↓	
14	DL1JW	17:57	1.00		0.2470			0.041	
15	DL1JWS	17:58	1.00		1.5900	134		0.265	
16	DL1JWD	18:00	1.00		1.3100	106		0.218	
7	DL1K2	18:02	1.00		0.1830			ND	
18	CCV	18:04	1.00		5.0900	102			
19	CCB	18:06	1.00		-0.0580			ND	
20	DL1K4	18:08	1.00		0.1850			↓	
21	DL1K8	18:10	1.00		0.1800			↓	
22	DL1K9	18:12	1.00		0.4040			0.067	
23	DL1KC	18:14	1.00		0.4940			0.082	
24	DL1KE	18:16	1.00		0.2780			0.046	
25	DL1KG	18:18	1.00		0.1400			ND	
26	DL1KJ	18:20	1.00		0.3440			0.057	
27	DL1KK	18:23	1.00		0.0750			ND	
28	DKMJW	18:25	1.00		0.0360			ND	
29	CCV	18:27	1.00		5.0300	101			
30	CCB	18:29	1.00		-0.0600			ND	
31	DKMJX	18:31	1.00		0.0350			ND	
32	DKMK0	18:32	1.00		0.0080			↓	
33	DL54VB 0271418	18:34	1.00		-0.0480			↓	
34	DL54VC	18:36	1.00		4.9400	99		0.823	
35	DL3EX	18:38	1.00		0.0990			ND	
36	DL3EXS	18:40	1.00		1.1600	116		0.193	
37	DL3EXD	18:42	1.00		1.2300	123		0.205	
38	DL3FW	18:43	1.00		0.1300			ND	
39	DL3G0	18:46	1.00		0.1550			ND	
40	CCV	18:48	1.00		4.9600	99			

Analyst: JGA_____ QC Reviewer: _____

FURNACE DATA SHEET

File: HG00928C Element: HG__ Instrument: LEEMAN_____

Start Run Date: 09/28/00 End Run Date: 09/28/00

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

0.9999 9/29/00 JG

Concentration Units: Ug/L

#	SAMPLE ID	Time	Dil Factor	Sample (Absorb)	Sample (Conc)	%R/R	Flag		
41	CCB	18:50	1.00		-0.0510				
42	DL3G3	18:51	1.00		0.1860			ND	
43	DL3G6	18:53	1.00		0.0000				
44	DL3G7	18:55	1.00		0.1660				
45	DL3G8	18:57	1.00		0.0850				
46	DL3G9	18:59	1.00		2.9800			0.497	
47	DL3GC	19:01	1.00		0.0080			ND	
48	DL3GD	19:03	1.00		0.2400			0.040	
49	DL3GJ	19:04	1.00		0.0530			ND	
50	DL3GK	19:07	1.00		0.1840				
51	CCV	19:09	1.00		4.9800	100			
52	CCB	19:10	1.00		-0.0710			ND	
53	DL3GM	19:12	1.00		0.0490				
54	DL3GN	19:14	1.00		0.2430			0.040	
55	DL3GP	19:16	1.00		0.0340			ND	
56	DL3GR	19:18	1.00		0.2370			0.040	
7	DL3GW	19:20	1.00		0.2160			0.036	
58	DL3GX	19:21	1.00		0.0290			ND	
59	DL3H3	19:23	1.00		0.1400				
60	DL3H4	19:25	1.00		0.2660			0.044	
61	DL558B 0271421	19:27	1.00		-0.0440			ND	
62	CCV	19:29	1.00		4.9600	99			
63	CCB	19:31	1.00		-0.0610			ND	
64	DL558C	19:32	1.00		4.8400	97		0.807	
65	DL3GE	19:34	1.00		0.0650			ND	
66	DL3GES	19:36	1.00		1.2500	124		0.208	
67	DL3GED	19:38	1.00		1.1300	113		0.188	
68	DL3GF	19:40	1.00		0.1700			ND	
69	DL3H5	19:42	1.00		0.0770			ND	
70	DL3H6	19:44	1.00		0.2560			0.043	
71	DL3H7	19:46	1.00		0.0040			ND	
72	DL3H8	19:48	1.00		0.0300			ND	
73	CCV	19:50	1.00		4.9200	98			
74	CCB	19:52	1.00		-0.0640			ND	
75	DL3H9	19:53	1.00		0.0020			ND	
76	DL3HD	19:56	1.00		0.5010			0.084	
77	DL3HF	19:58	1.00		0.1150			ND	
78	DL3HG	20:00	1.00		0.1510			ND	
79	DL3HH	20:01	1.00		0.2560			0.043	
80	DL3HJ	20:03	1.00		0.0260			ND	

Analyst: JGA_____ QC Reviewer: _____

FURNACE DATA SHEET

File: HG00928C Element: HG__ Instrument: LEEMAN_____

Start Run Date: 09/28/00 End Run Date: 09/28/00

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

0.9999 9/29/00

Concentration Units: Ug/L

#	SAMPLE ID	Time	Dil Factor	Sample (Absorb)	Sample (Conc)	%R/R	Flag		
81	DL3HR	20:05	1.00		0.0520			ND	
82	DL3HW	20:07	1.00		0.1990			ND	
83	DL3J1	20:09	1.00		0.0030			↓	
84	CCV	20:11	1.00		4.8800	98			
85	CCB	20:13	1.00		-0.0620			ND	
86	DL3J2	20:15	1.00		0.2030			0.034	
87	DL3J4	20:17	1.00		0.0620			ND	
88	DL3J5	20:19	1.00		0.0670			ND	
89	DL3J6	20:21	1.00		0.0600			↓	
90	DL3J7	20:23	1.00		0.1900			↓	
91	CCV	20:25	1.00		4.8600	97			
92	CCB	20:27	1.00		-0.0580			ND	
93									
94									
95									
96									
97									
98									
99									
100									

Analyst: JGA_____ QC Reviewer: _____

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Standard: 1 Rep: 1				Seq: 0	17:33:01 28 Sep 2000 HG			
Hg	.000	ppb	1891					
*** Standard: 2 Rep: 1				Seq: 1	17:34:51 28 Sep 2000 HG			
Hg	.200	ppb	17241					
*** Standard: 3 Rep: 1				Seq: 2	17:36:39 28 Sep 2000 HG			
Hg	.500	ppb	41678					
*** Standard: 4 Rep: 1				Seq: 3	17:38:27 28 Sep 2000 HG			
Hg	1.00	ppb	80348					
*** Standard: 5 Rep: 1				Seq: 4	17:40:27 28 Sep 2000 HG			
Hg	5.00	ppb	386341					
*** Standard: 6 Rep: 1				Seq: 5	17:42:19 28 Sep 2000 HG			
Hg	10.0	ppb	750916					

RunProt: HG-A | Err: hardware inoperable | Mode: Analyze

RunFold: HG000928C Seq: 6 Batch: RunPrep: prp7470

Prnt: R/T On Pump: On

Rev: 4.2 17:42:28 28 Sep 2000 Xmit: Off Gas: 0.70 LPM

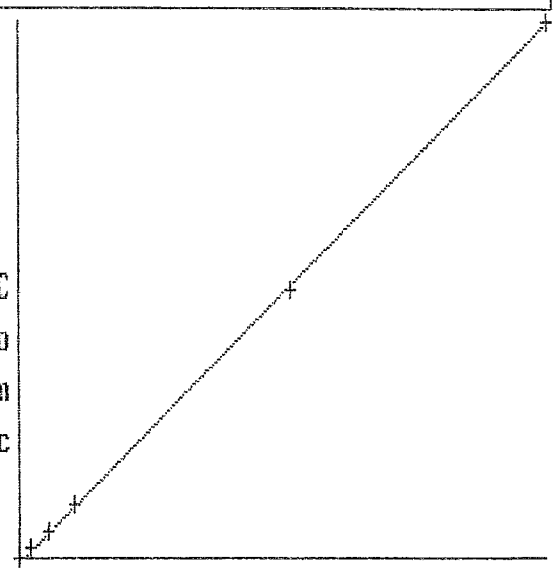
Idle None User: JGA A/S: On

CALIBRATION: Line proto: HG-A

	Hg Conc.	Calc.	Dev.	Accepted ->linear	
S1	.000	-.031	-.031	Quadratic	
S2	.200	.173	-.027	Wtdlinear	
S3	.500	.499	-.001		C
S4	1.00	1.01	.014	Accept	o
S5	5.00	5.09	.093		n
S6	10.0	9.95	-.048		c

A .0000000 r .999920

B 1.33276e-5 C -5.63640e-2



Relative Absorbance

	Mean			
S1	1891	0	SD	1891
S2	17241	0	%RSD	17241
S3	41678	0	%RSD	41678
S4	80348	0	%RSD	80348
S5	386341	0	%RSD	386341
S6	750916	0	%RSD	750916

New cal coefficients stored

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: ICV					Seq: 6	17:44:10 28 Sep 2000 HG		
Hg	2.60	ppb	.000	2.60				
*** Sample ID: ICB					Seq: 7	17:46:12 28 Sep 2000 HG		
Hg	-.048	ppb	.000	-.048				
*** Sample ID: DL3DXB					Seq: 8	17:47:57 28 Sep 2000 HG		
Hg	-.037	ppb	.000	-.037				
*** Sample ID: DL3DXC					Seq: 9	17:49:55 28 Sep 2000 HG		
Hg	5.14	ppb	.000	5.14				
*** Sample ID: DL36F					Seq: 10	17:51:39 28 Sep 2000 HG		
Hg	.123	ppb	.000	.123				
*** Sample ID: DL36L					Seq: 11	17:53:28 28 Sep 2000 HG		
Hg	-.005	ppb	.000	-.005				
*** Sample ID: DL36Q					Seq: 12	17:55:18 28 Sep 2000 HG		
Hg	.042	ppb	.000	.042				
*** Sample ID: DL1JW					Seq: 13	17:57:02 28 Sep 2000 HG		
Hg	.247	ppb	.000	.247				
*** Sample ID: DL1JWS					Seq: 14	17:58:55 28 Sep 2000 HG		
Hg	1.59	ppb	.000	1.59				
*** Sample ID: DL1JWD					Seq: 15	18:00:52 28 Sep 2000 HG		
Hg	1.31	ppb	.000	1.31				
*** Sample ID: DL1K2					Seq: 16	18:02:39 28 Sep 2000 HG		
Hg	.183	ppb	.000	.183				
*** Sample ID: CCV					Seq: 17	18:04:22 28 Sep 2000 HG		
Hg	5.09	ppb	.000	5.09				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: CCB					Seq: 18	18:06:19 28 Sep 2000 HG		
Hg	-.058	ppb	.000	-.058				
*** Sample ID: DL1K4					Seq: 19	18:08:04 28 Sep 2000 HG		
Hg	.185	ppb	.000	.185				
*** Sample ID: DL1K8					Seq: 20	18:10:01 28 Sep 2000 HG		
Hg	.180	ppb	.000	.180				
*** Sample ID: DL1K9					Seq: 21	18:12:38 28 Sep 2000 HG		
Hg	.404	ppb	.000	.404				
*** Sample ID: DL1KC					Seq: 22	18:14:32 28 Sep 2000 HG		
Hg	.494	ppb	.000	.494				
*** Sample ID: DL1KE					Seq: 23	18:16:19 28 Sep 2000 HG		
Hg	.278	ppb	.000	.278				
*** Sample ID: DL1KG					Seq: 24	18:18:34 28 Sep 2000 HG		
Hg	.140	ppb	.000	.140				
*** Sample ID: DL1KJ					Seq: 25	18:20:42 28 Sep 2000 HG		
Hg	.344	ppb	.000	.344				
*** Sample ID: DL1KK					Seq: 26	18:23:56 28 Sep 2000 HG		
Hg	.075	ppb	.000	.075				
*** Sample ID: DKMJW					Seq: 27	18:25:44 28 Sep 2000 HG		
Hg	.036	ppb	.000	.036				
*** Sample ID: CCV					Seq: 28	18:27:31 28 Sep 2000 HG		
Hg	5.03	ppb	.000	5.03				
*** Sample ID: CCB					Seq: 29	18:29:25 28 Sep 2000 HG		
Hg	-.060	ppb	.000	-.060				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: DKMJX					Seq: 30	18:31:13 28 Sep 2000 HG		
Hg	.035	ppb	.000	.035				
*** Sample ID: DKMKO					Seq: 31	18:32:56 28 Sep 2000 HG		
Hg	.008	ppb	.000	.008				
*** Sample ID: DL54VB					Seq: 32	18:34:44 28 Sep 2000 HG		
Hg	-.048	ppb	.000	-.048				
*** Sample ID: DL54VC					Seq: 33	18:36:29 28 Sep 2000 HG		
Hg	4.94	ppb	.000	4.94				
*** Sample ID: DL3EX					Seq: 34	18:38:15 28 Sep 2000 HG		
Hg	.099	ppb	.000	.099				
*** Sample ID: DL3EXS					Seq: 35	18:40:11 28 Sep 2000 HG		
Hg	1.16	ppb	.000	1.16				
*** Sample ID: DL3EXD					Seq: 36	18:42:06 28 Sep 2000 HG		
Hg	1.23	ppb	.000	1.23				
*** Sample ID: DL3FW					Seq: 37	18:43:51 28 Sep 2000 HG		
Hg	.130	ppb	.000	.130				
*** Sample ID: DL3GO					Seq: 38	18:46:07 28 Sep 2000 HG		
Hg	.155	ppb	.000	.155				
*** Sample ID: CCV					Seq: 39	18:48:07 28 Sep 2000 HG		
Hg	4.96	ppb	.000	4.96				
*** Sample ID: CCB					Seq: 40	18:50:04 28 Sep 2000 HG		
Hg	-.051	ppb	.000	-.051				
*** Sample ID: DL3G3					Seq: 41	18:51:50 28 Sep 2000 HG		
Hg	.186	ppb	.000	.186				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: DL3G6					Seq: 42	18:53:36 28 Sep 2000 HG		
Hg	-.000	ppb	.000	-.000				
*** Sample ID: DL3G7					Seq: 43	18:55:24 28 Sep 2000 HG		
Hg	.166	ppb	.000	.166				
*** Sample ID: DL3G8					Seq: 44	18:57:45 28 Sep 2000 HG		
Hg	.085	ppb	.000	.085				
*** Sample ID: DL3G9					Seq: 45	18:59:32 28 Sep 2000 HG		
Hg	2.98	ppb	.000	2.98				
*** Sample ID: DL3GC					Seq: 46	19:01:18 28 Sep 2000 HG		
Hg	.008	ppb	.000	.008				
*** Sample ID: DL3GD					Seq: 47	19:03:04 28 Sep 2000 HG		
Hg	.240	ppb	.000	.240				
*** Sample ID: DL3GJ					Seq: 48	19:04:54 28 Sep 2000 HG		
Hg	.053	ppb	.000	.053				
*** Sample ID: DL3GK					Seq: 49	19:07:04 28 Sep 2000 HG		
Hg	.184	ppb	.000	.184				
*** Sample ID: CCV					Seq: 50	19:09:01 28 Sep 2000 HG		
Hg	4.98	ppb	.000	4.98				
*** Sample ID: CCB					Seq: 51	19:10:48 28 Sep 2000 HG		
Hg	-.071	ppb	.000	-.071				
*** Sample ID: DL3GM					Seq: 52	19:12:35 28 Sep 2000 HG		
Hg	.049	ppb	.000	.049				
*** Sample ID: DL3GN					Seq: 53	19:14:24 28 Sep 2000 HG		
Hg	.243	ppb	.000	.243				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: DL3GP					Seq: 54	19:16:15 28 Sep 2000 HG		
Hg	.034	ppb	.000	.034				
*** Sample ID: DL3GR					Seq: 55	19:18:12 28 Sep 2000 HG		
Hg	.237	ppb	.000	.237				
*** Sample ID: DL3GW					Seq: 56	19:20:01 28 Sep 2000 HG		
Hg	.216	ppb	.000	.216				
*** Sample ID: DL3GX					Seq: 57	19:21:52 28 Sep 2000 HG		
Hg	.029	ppb	.000	.029				
*** Sample ID: DL3H3					Seq: 58	19:23:40 28 Sep 2000 HG		
Hg	.140	ppb	.000	.140				
*** Sample ID: DL3H4					Seq: 59	19:25:28 28 Sep 2000 HG		
Hg	.266	ppb	.000	.266				
*** Sample ID: DL558B					Seq: 60	19:27:28 28 Sep 2000 HG		
Hg	-.044	ppb	.000	-.044				
*** Sample ID: CCV					Seq: 61	19:29:18 28 Sep 2000 HG		
Hg	4.96	ppb	.000	4.96				
*** Sample ID: CCB					Seq: 62	19:31:08 28 Sep 2000 HG		
Hg	-.061	ppb	.000	-.061				
*** Sample ID: DL558C					Seq: 63	19:32:57 28 Sep 2000 HG		
Hg	4.84	ppb	.000	4.84				
*** Sample ID: DL3GE					Seq: 64	19:34:55 28 Sep 2000 HG		
Hg	.065	ppb	.000	.065				
*** Sample ID: DL3GES					Seq: 65	19:36:46 28 Sep 2000 HG		
Hg	1.25	ppb	.000	1.25				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: DL3GED					Seq: 66	19:38:57 28 Sep 2000 HG		
Hg	1.13	ppb	.000	1.13				
*** Sample ID: DL3GF					Seq: 67	19:40:45 28 Sep 2000 HG		
Hg	.170	ppb	.000	.170				
*** Sample ID: DL3H5					Seq: 68	19:42:44 28 Sep 2000 HG		
Hg	.077	ppb	.000	.077				
*** Sample ID: DL3H6					Seq: 69	19:44:36 28 Sep 2000 HG		
Hg	.256	ppb	.000	.256				
*** Sample ID: DL3H7					Seq: 70	19:46:29 28 Sep 2000 HG		
Hg	.004	ppb	.000	.004				
*** Sample ID: DL3H8					Seq: 71	19:48:21 28 Sep 2000 HG		
Hg	.030	ppb	.000	.030				
*** Sample ID: CCV					Seq: 72	19:50:14 28 Sep 2000 HG		
Hg	4.92	ppb	.000	4.92				
*** Sample ID: CCB					Seq: 73	19:52:07 28 Sep 2000 HG		
Hg	-.064	ppb	.000	-.064				
*** Sample ID: DL3H9					Seq: 74	19:53:57 28 Sep 2000 HG		
Hg	.002	ppb	.000	.002				
*** Sample ID: DL3HD					Seq: 75	19:56:19 28 Sep 2000 HG		
Hg	.501	ppb	.000	.501				
*** Sample ID: DL3HF					Seq: 76	19:58:13 28 Sep 2000 HG		
Hg	.115	ppb	.000	.115				
*** Sample ID: DL3HG					Seq: 77	20:00:05 28 Sep 2000 HG		
Hg	.151	ppb	.000	.151				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: DL3HH					Seq: 78	20:01:55 28 Sep 2000 HG		
Hg	.256	ppb	.000	.256				
*** Sample ID: DL3HJ					Seq: 79	20:03:48 28 Sep 2000 HG		
Hg	.026	ppb	.000	.026				
*** Sample ID: DL3HR					Seq: 80	20:05:40 28 Sep 2000 HG		
Hg	.052	ppb	.000	.052				
*** Sample ID: DL3HW					Seq: 81	20:07:46 28 Sep 2000 HG		
Hg	.199	ppb	.000	.199				
*** Sample ID: DL3J1					Seq: 82	20:09:37 28 Sep 2000 HG		
Hg	.003	ppb	.000	.003				
*** Sample ID: CCV					Seq: 83	20:11:44 28 Sep 2000 HG		
Hg	4.88	ppb	.000	4.88				
*** Sample ID: CCB					Seq: 84	20:13:38 28 Sep 2000 HG		
Hg	-.062	ppb	.000	-.062				
*** Sample ID: DL3J2					Seq: 85	20:15:35 28 Sep 2000 HG		
Hg	.203	ppb	.000	.203				
*** Sample ID: DL3J4					Seq: 86	20:17:32 28 Sep 2000 HG		
Hg	.062	ppb	.000	.062				
*** Sample ID: DL3J5					Seq: 87	20:19:24 28 Sep 2000 HG		
Hg	.067	ppb	.000	.067				
*** Sample ID: DL3J6					Seq: 88	20:21:16 28 Sep 2000 HG		
Hg	.060	ppb	.000	.060				
*** Sample ID: DL3J7					Seq: 89	20:23:11 28 Sep 2000 HG		
Hg	.190	ppb	.000	.190				

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: CCV Seq: 90 20:25:03 28 Sep 2000 HG

Hg	4.86	ppb	.000	4.86

*** Sample ID: CCB Seq: 91 20:27:25 28 Sep 2000 HG

Hg	-.058	ppb	.000	-.058

RQC057

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

Run Date: 9/27/00
Time: 14:28:48

BATCH NUMBER: **0271418**

PREP DATE: 9/27/00
DUE DATE 10/03/00

INITIALS: BI

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT		HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0I260285	DL3EX	01	_____g	X	0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/03/00				
	DL3EXS		_____g		0.61 g	_____g	_____g
	DL3EXD		_____g		0.61 g	_____g	_____g
E0I260285	DL3FW	01	_____g	X	0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/03/00				
E0I260285	DL3G0	01	_____g	X	0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/03/00				
E0I260285	DL3G3	01	_____g	X	0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/03/00				
E0I260285	DL3G6	01	_____g	X	0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/03/00				
E0I260285	DL3G7	01	_____g	X	0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/03/00				
E0I260285	DL3G8	01	_____g	X	0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/03/00				
E0I260285	DL3G9	01	_____g	X	0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/03/00				
E0I260285	DL3GC	01	_____g	X	0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/03/00				
E0I260285	DL3GD	01	_____g	X	0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/03/00				
E0I260285	DL3GJ	01	_____g	X	0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/03/00				
E0I260285	DL3GK	01	_____g	X	0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/03/00				
E0I260285	DL3GM	01	_____g	X	0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/03/00				
E0I260285	DL3GN	01	_____g	X	0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/03/00				

RQC057

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

Run Date: 9/27/00
Time: 14:28:48

BATCH NUMBER: **0271418**

PREP DATE: 9/27/00
DUE DATE 10/03/00

INITIALS: JR/EI

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0I260285	DL3GP	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/03/00			
E0I260285	DL3GR	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/03/00			
E0I260285	DL3GW	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/03/00			
E0I260285	DL3GX	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/03/00			
E0I260285	DL3H3	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/03/00			
E0I260285	DL3H4	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/03/00			
E0I270000	DL54VB	01	_____g	X 0.61 g	_____g	_____g
SOLID	DUE DATE:		0/00/00			
	DL54VC		_____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: 0271418

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

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

Date/Time Initiated: 9/28/01 / 1100
Date/Time Completed: 8 / 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: 9/28/01 Received By: [signature] Date: 9/28/01

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08/19/00

RQC057

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

Run Date: 9/27/00
Time: 14:32:39

2 BATCH NUMBER: **0271421**

PREP DATE: 9/27/00
DUE DATE 10/03/00

INITIALS: EI

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0I260285	DL3GE	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/03/00			
	DL3GES		_____g	0.59 g	_____g	_____g
	DL3GED		_____g	0.59 g	_____g	_____g
E0I260285	DL3GF	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/03/00			
E0I260285	DL3H5	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/03/00			
E0I260285	DL3H6	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/03/00			
E0I260285	DL3H7	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/03/00			
E0I260285	DL3H8	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/03/00			
E0I260285	DL3H9	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/03/00			
E0I260285	DL3HD	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/03/00			
E0I260285	DL3HF	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/03/00			
E0I260285	DL3HG	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/03/00			
E0I260285	DL3HH	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/03/00			
E0I260285	DL3HJ	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/03/00			
E0I260285	DL3HR	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/03/00			
E0I260285	DL3HW	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/03/00			

RQC057

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

Run Date: 9/27/00
Time: 14:32:39

BATCH NUMBER: **0271421**

PREP DATE: 9/27/00
DUE DATE 10/03/00

INITIALS: JB

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0I260285	DL3J1	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/03/00			
E0I260285	DL3J2	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/03/00			
E0I260285	DL3J4	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/03/00			
E0I260285	DL3J5	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/03/00			
E0I260285	DL3J6	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/03/00			
E0I260285	DL3J7	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/03/00			
E0I270000	DL558B	01	_____g	X 0.60 g	_____g	_____g
SOLID	DUE DATE:		0/00/00			
	DL558C		_____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: 0271421

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

Prepared By: [signature]

Reviewed By: [signature]

Date/Time Initiated: 9/28/02 1100

Date/Time Completed: 9/28/02 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: 9/28/02 Received By: [signature] Date: 9/28/02

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08/19/00

RQC057

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

Run Date: 9/29/00
Time: 10:27:25

BATCH NUMBER: **0270508**

PREP DATE: 9/27/00
DUE DATE 9/28/00

INITIALS: JL/EI

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0I220329	DL36F	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		9/28/00			
E0I220329	DL36L	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		9/28/00			
E0I220329	DL36Q	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		9/28/00			
E0I250215	DL1JW	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/02/00			
	DL1JWS		_____g	0.61 g	_____g	_____g
	DL1JWD		_____g	0.61 g	_____g	_____g
E0I250215	DL1K2	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/02/00			
E0I250215	DL1K4	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/02/00			
E0I250215	DL1K8	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/02/00			
E0I250215	DL1K9	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/02/00			
E0I250215	DL1KC	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/02/00			
E0I250215	DL1KE	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/02/00			
E0I250215	DL1KG	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/02/00			
E0I250215	DL1KJ	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/02/00			
E0I250215	DL1KK	01	_____g	X 0.59 g	_____g	_____g
SOLID	TO DUE DATE:		10/02/00			
L0I190323	DKMJW	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			

RQC057

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

Run Date: 9/29/00
Time: 10:27:25

BATCH NUMBER: **0270508**

PREP DATE: 9/27/00
DUE DATE 9/28/00

INITIALS: JG/EI

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
L0I190323	DKMJX	01	_____g	X 0.61 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
L0I190323	DKMK0	01	_____g	X 0.60 g	_____g	_____g
SOLID	TO DUE DATE:		10/10/00			
E0I260000	DL3DXB	01	_____g	X 0.66 g	_____g	_____g
SOLID	DUE DATE:		0/00/00			
	DL3DXC		_____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 _____

ICP ELEMENTS WITHIN THE BATCH:

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: 0270508

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

Prepared By: 9/28/00 Date/Time Initiated: 9/28/00 / 1000

Reviewed By: [signature] Date/Time Completed: 8 / 1030

Water Bath # 6 Temp* 95 °C Thermometer # M-H-01

*Thermometer correction applied. (CF + 2.0°C)

Spike Standards for LCS, MS/MSD and ICV samples (*Volume of Working standard).

	*Volume	Lot #	Exp. Date
1. Hg Cal (MS)	1 mL	Hg-060800	05/2002
2. Hg Cal (LCS)	5 mL	Hg-060800	05/2002
3. Hg ICV	0.5 mL	Hg-061300	07/2001

Preparation

Reagents	Volume	Lot #
*HNO_3	1.25 mL	6623 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: 9/28/00 Received By: [signature] Date: 9/28/00

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08/19/00

STL Los Angeles
Précis
CVAA Data Summary Cover Sheet

Instrument ID: ICPT - M01 Analyst: WT
Analytical Date: 09/28/00

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

Data File: 092800

Batch	Lot/Project	Data Upload	Review/Release	Pkg.
0270490	EOI 250201	WT 09/28/00		
0270506	EOI 200317			
	EOI 220329			
	EOI 250183			
	EOI 260165			
0270507	EOI 220345			
	EOI 220329			
	EOI 250208			
	EOI 250212			
	EOI 250215			
0271275	EOI 260285			
0271579	EOI 270186			
0272424	EOI 280225			
	LOI 190323			
0272424	EOI 280225			
WT 09/28/00	LOI			
0271295	EOI 260285			

Standards

Calibration Stds:	**Lot #**	**Calibration Check Stds:**	**Lot #**
1. Blank	092800-T1	ICV	091200-T4
2. STD1	092800-T2	CCV	092800-T5
3.		ICSA	091200-T7
4.		ICSAB	092200-T8
5.		5.	
6.		6.	

Notes/Comments:

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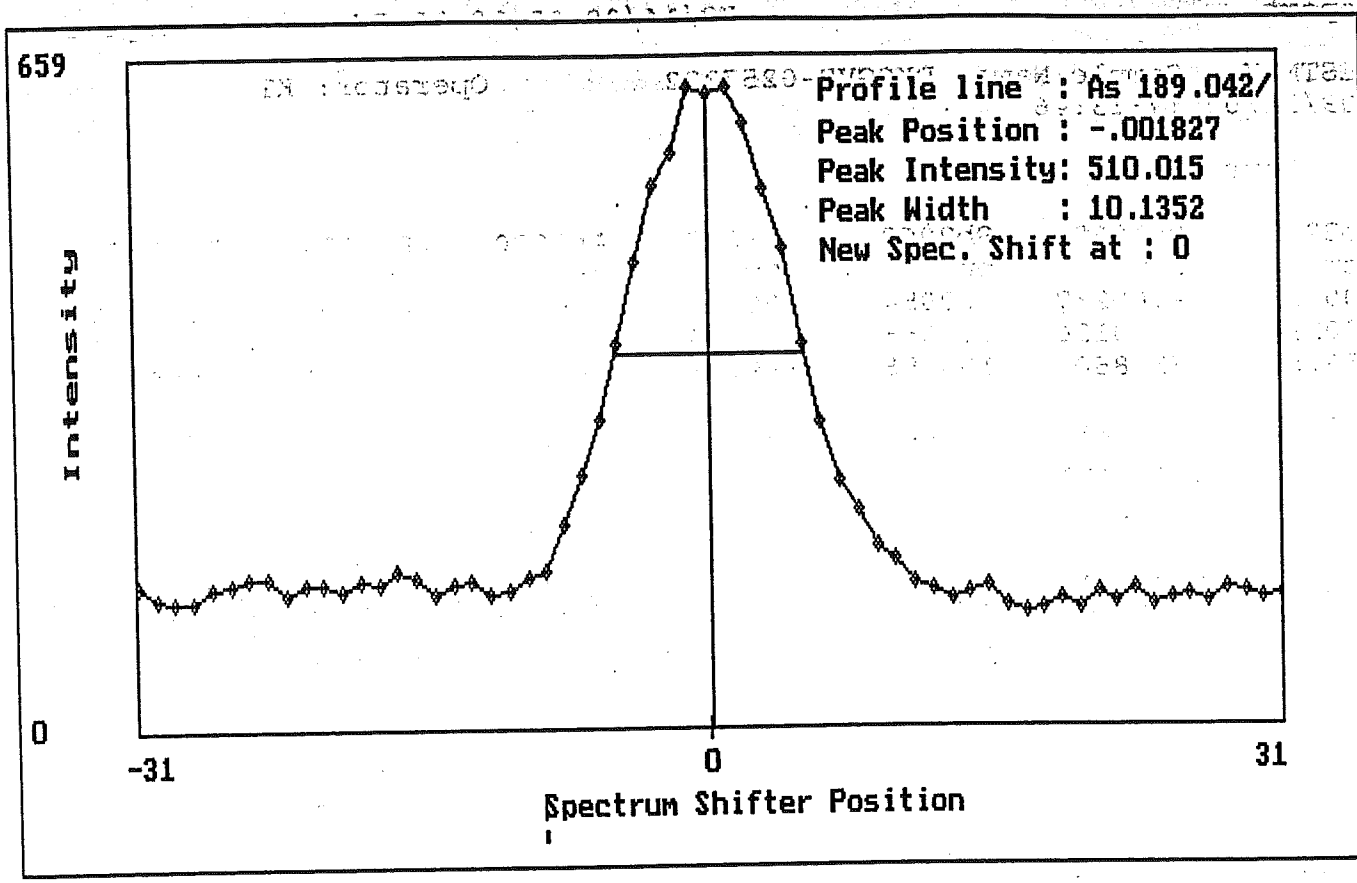
09/08/00

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	STDBLK	P092800	QTESTNAK	09/28/00	15:56		X	IR
2	STD1	P092800	QTESTNAK	09/28/00	16:03		X	IR
3	ICVHP	P092800	QTESTNAK	09/28/00	16:09	KT	S	CONC
4	ICB	P092800	QTESTNAK	09/28/00	16:17	KT	S	CONC
5	ICSA	P092800	QTESTNAK	09/28/00	16:23	KT	S	CONC
6	ICSAB	P092800	QTESTNAK	09/28/00	16:31	KT	S	CONC
7	DL1GHT 10X	P092800	QTESTNAK	09/28/00	16:39	KT	S	CONC
8	DL3DPB-0270506	P092800	QTESTNAK	09/28/00	16:47	KT	S	CONC
9	DL3DPC	P092800	QTESTNAK	09/28/00	16:53	KT	S	CONC
10	DKPRW 10X	P092800	QTESTNAK	09/28/00	17:01	KT	S	CONC
11	DKPT8 10X	P092800	QTESTNAK	09/28/00	17:07	KT	S	CONC
12	DKPTA 10X	P092800	QTESTNAK	09/28/00	17:13	KT	S	CONC
13	DKPTD 10X	P092800	QTESTNAK	09/28/00	17:19	KT	S	CONC
14	DKWR0 10X	P092800	QTESTNAK	09/28/00	17:25	KT	S	CONC
15	CCVT	P092800	QTESTNAK	09/28/00	17:33	KT	S	CONC
16	CCBT	P092800	QTESTNAK	09/28/00	17:41	KT	Q	CONC
17	DL18M	P092800	QTESTNAK	09/28/00	17:47	KT	S	CONC
18	DL18MP	P092800	QTESTNAK	09/28/00	17:55	KT	S	CONC
19	DL18MS	P092800	QTESTNAK	09/28/00	18:01	KT	S	CONC
20	DL18MD	P092800	QTESTNAK	09/28/00	18:09	KT	S	CONC
21	DL2D3 100X	P092800	QTESTNAK	09/28/00	18:17	KT	S	CONC
22	DL2DV 100X	P092800	QTESTNAK	09/28/00	18:25	KT	S	CONC
23	DL2DX 100X	P092800	QTESTNAK	09/28/00	18:34	KT	S	CONC
24	CCVT	P092800	QTESTNAK	09/28/00	18:42	KT	S	CONC
25	CCBT	P092800	QTESTNAK	09/28/00	18:50	KT	Q	CONC
26	DL3DVB-0270507	P092800	QTESTNAK	09/28/00	18:56	KT	S	CONC
27	DL3DVC	P092800	QTESTNAK	09/28/00	19:02	KT	S	CONC
28	DKXC3	P092800	QTESTNAK	09/28/00	19:10	KT	S	CONC
29	DL36F	P092800	QTESTNAK	09/28/00	19:18	KT	S	CONC
30	DL36L	P092800	QTESTNAK	09/28/00	19:26	KT	S	CONC
31	DL36Q 2n	P092800	QTESTNAK	09/28/00	19:34	KT	S	CONC
32	DL1J5	P092800	QTESTNAK	09/28/00	19:40	KT	S	CONC
33	DL1JD	P092800	QTESTNAK	09/28/00	19:46	KT	S	CONC
34	DL1JF	P092800	QTESTNAK	09/28/00	19:52	KT	S	CONC
35	DL1JH	P092800	QTESTNAK	09/28/00	19:58	KT	S	CONC
36	CCVT	P092800	QTESTNAK	09/28/00	20:05	KT	S	CONC
37	CCBT	P092800	QTESTNAK	09/28/00	20:13	KT	Q	CONC
38	DL1JW	P092800	QTESTNAK	09/28/00	20:19	KT	S	CONC
39	DL1JWP	P092800	QTESTNAK	09/28/00	20:39	KT	S	CONC
40	DL1JWS	P092800	QTESTNAK	09/28/00	20:45	KT	S	CONC
41	DL1JWD	P092800	QTESTNAK	09/28/00	20:53	KT	S	CONC
42	DL1K2	P092800	QTESTNAK	09/28/00	21:01	KT	S	CONC
43	DL1K4	P092800	QTESTNAK	09/28/00	21:09	KT	S	CONC
44	DL1K8	P092800	QTESTNAK	09/28/00	21:17	KT	S	CONC
45	DL1K9	P092800	QTESTNAK	09/28/00	21:27	KT	S	CONC
46	DL1KC	P092800	QTESTNAK	09/28/00	21:35	KT	S	CONC
47	DL1KE	P092800	QTESTNAK	09/28/00	21:43	KT	S	CONC
48	CCVT	P092800	QTESTNAK	09/28/00	21:52	KT	S	CONC
49	CCBT	P092800	QTESTNAK	09/28/00	22:00	KT	Q	CONC
50	DL1KG	P092800	QTESTNAK	09/28/00	22:06	KT	S	CONC
51	DL1KJ	P092800	QTESTNAK	09/28/00	22:12	KT	S	CONC
52	DL1KK	P092800	QTESTNAK	09/28/00	22:20	KT	S	CONC
53	DL5P3B-0271519	P092800	QTESTNAK	09/28/00	22:28	KT	S	CONC

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
54	DL5P3C	P092800	QTESTNAK	09/28/00	22:34	KT	S	CONC
55	ERA-0271519	P092800	QTESTNAK	09/28/00	22:42	KT	S	CONC
56	DL4NP	P092800	QTESTNAK	09/28/00	22:50	KT	S	CONC
57	DL4NPP	P092800	QTESTNAK	09/28/00	22:58	KT	S	CONC
58	DL4NPS	P092800	QTESTNAK	09/28/00	23:04	KT	S	CONC
59	DL4NPX	P092800	QTESTNAK	09/28/00	23:12	KT	S	CONC
60	CCVT	P092800	QTESTNAK	09/28/00	23:21	KT	S	CONC
61	CCBT.	P092800	QTESTNAK	09/28/00	23:29	KT	Q	CONC
62	DL4NR	P092800	QTESTNAK	09/28/00	23:35	KT	S	CONC
63	DL4NV Ca	P092800	QTESTNAK	09/28/00	23:43	KT	S	CONC
64	DKVLC	P092800	QTESTNAK	09/28/00	23:49	KT	S	CONC
65	DKVLCX	P092800	QTESTNAK	09/28/00	23:59	KT	S	CONC
66	DKVLCS	P092800	QTESTNAK	09/29/00	00:07	KT	S	CONC
67	DL4J0B-0271275	P092800	QTESTNAK	09/29/00	00:15	KT	S	CONC
68	DL4J0C	P092800	QTESTNAK	09/29/00	00:21	KT	S	CONC
69	DL3EX	P092800	QTESTNAK	09/29/00	00:29	KT	S	CONC
70	DL3EXP	P092800	QTESTNAK	09/29/00	00:37	KT	S	CONC
71	DL3EXS	P092800	QTESTNAK	09/29/00	00:44	KT	S	CONC
72	CCVT	P092800	QTESTNAK	09/29/00	00:52	KT	S	CONC
73	CCBT.	P092800	QTESTNAK	09/29/00	01:00	KT	Q	CONC
74	DL3EXD	P092800	QTESTNAK	09/29/00	01:06	KT	S	CONC
75	DL3FW	P092800	QTESTNAK	09/29/00	01:14	KT	S	CONC
76	DL3G0	P092800	QTESTNAK	09/29/00	01:22	KT	S	CONC
77	DL3G3	P092800	QTESTNAK	09/29/00	01:30	KT	S	CONC
78	DL3G6	P092800	QTESTNAK	09/29/00	01:38	KT	S	CONC
79	DL3G7	P092800	QTESTNAK	09/29/00	01:46	KT	S	CONC
80	DL3G8	P092800	QTESTNAK	09/29/00	01:54	KT	S	CONC
81	DL3G9	P092800	QTESTNAK	09/29/00	02:02	KT	S	CONC
82	DL3GC	P092800	QTESTNAK	09/29/00	02:10	KT	S	CONC
83	DL3GD	P092800	QTESTNAK	09/29/00	02:18	KT	S	CONC
84	CCVT	P092800	QTESTNAK	09/29/00	02:27	KT	S	CONC
85	CCBT.	P092800	QTESTNAK	09/29/00	02:35	KT	Q	CONC
86	DL3GE	P092800	QTESTNAK	09/29/00	02:41	KT	S	CONC
87	DL3GF	P092800	QTESTNAK	09/29/00	02:49	KT	S	CONC
88	DL3GJ	P092800	QTESTNAK	09/29/00	02:57	KT	S	CONC
89	DL3GK	P092800	QTESTNAK	09/29/00	03:05	KT	S	CONC
90	DL3GM	P092800	QTESTNAK	09/29/00	03:13	KT	S	CONC
91	DL3GN	P092800	QTESTNAK	09/29/00	03:21	KT	S	CONC
92	DL3GP	P092800	QTESTNAK	09/29/00	03:29	KT	S	CONC
93	DL3GR	P092800	QTESTNAK	09/29/00	03:37	KT	S	CONC
94	DL3GW	P092800	QTESTNAK	09/29/00	03:45	KT	S	CONC
95	DL3GX	P092800	QTESTNAK	09/29/00	03:52	KT	S	CONC
96	CCVT	P092800	QTESTNAK	09/29/00	03:58	KT	S	CONC
97	CCBT'	P092800	QTESTNAK	09/29/00	04:06	KT	Q	CONC
98	DL7Q2B-0272424	P092800	QTESTNAK	09/29/00	04:12	KT	S	CONC
99	DL7Q2C	P092800	QTESTNAK	09/29/00	04:18	KT	S	CONC
100	DL7HF 100X	P092800	QTESTNAK	09/29/00	04:27	KT	S	CONC
101	DL7HL 100X	P092800	QTESTNAK	09/29/00	04:35	KT	S	CONC
102	DKMJ9	P092800	QTESTNAK	09/29/00	04:43	KT	S	CONC
103	DKMJ9P	P092800	QTESTNAK	09/29/00	04:51	KT	S	CONC
104	DKMJ9S	P092800	QTESTNAK	09/29/00	04:57	KT	S	CONC
105	DKMJ9D	P092800	QTESTNAK	09/29/00	05:05	KT	S	CONC
106	DKMJH	P092800	QTESTNAK	09/29/00	05:13	KT	S	CONC
107	DKMK6	P092800	QTESTNAK	09/29/00	05:21	KT	S	CONC

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
108	CCVT	P092800	QTESTNAK	09/29/00	05:29	KT	S	CONC
109	CCBT'	P092800	QTESTNAK	09/29/00	05:37	KT	Q	CONC
110	DKMKA	P092800	QTESTNAK	09/29/00	05:43	KT	S	CONC
111	DKMKC	P092800	QTESTNAK	09/29/00	05:51	KT	S	CONC
112	DKMKF	P092800	QTESTNAK	09/29/00	05:59	KT	S	CONC
113	DKMKH	P092800	QTESTNAK	09/29/00	06:07	KT	S	CONC
114	DKMKN	P092800	QTESTNAK	09/29/00	06:16	KT	S	CONC
115	DL36Q 2X	P092800	QTESTNAK	09/29/00	06:24	KT	S	CONC
116	DL4LHB-0271295	P092800	QTESTNAK	09/29/00	06:32	KT	S	CONC
117	DL4LHC	P092800	QTESTNAK	09/29/00	06:38	KT	S	CONC
118	DL3H3	P092800	QTESTNAK	09/29/00	06:46	KT	S	CONC
119	DL3H3P	P092800	QTESTNAK	09/29/00	06:54	KT	S	CONC
120	CCVT	P092800	QTESTNAK	09/29/00	07:00	KT	S	CONC
121	CCBT,	P092800	QTESTNAK	09/29/00	07:08	KT	Q	CONC
122	DL3HS	P092800	QTESTNAK	09/29/00	07:14	KT	S	CONC
123	DL3HD	P092800	QTESTNAK	09/29/00	07:22	KT	S	CONC
124	DL3H4	P092800	QTESTNAK	09/29/00	07:32	KT	S	CONC
125	DL3H5	P092800	QTESTNAK	09/29/00	07:40	KT	S	CONC
126	DL3H6	P092800	QTESTNAK	09/29/00	07:48	KT	S	CONC
127	DL3H7	P092800	QTESTNAK	09/29/00	07:57	KT	S	CONC
128	DL3H8	P092800	QTESTNAK	09/29/00	08:05	KT	S	CONC
129	DL3H9	P092800	QTESTNAK	09/29/00	08:13	KT	S	CONC
130	DL3HD	P092800	QTESTNAK	09/29/00	08:21	KT	S	CONC
131	DL3HF	P092800	QTESTNAK	09/29/00	08:29	KT	S	CONC
132	CCVT	P092800	QTESTNAK	09/29/00	08:39	KT	S	CONC
133	CCBT,	P092800	QTESTNAK	09/29/00	08:47	KT	Q	CONC
134	DL3HG	P092800	QTESTNAK	09/29/00	08:53	KT	S	CONC
135	DL3HH	P092800	QTESTNAK	09/29/00	09:00	KT	S	CONC
136	DL3HJ	P092800	QTESTNAK	09/29/00	09:08	KT	S	CONC
137	DL3HR	P092800	QTESTNAK	09/29/00	09:14	KT	S	CONC
138	DL3HW	P092800	QTESTNAK	09/29/00	09:21	KT	S	CONC
139	DL3J1	P092800	QTESTNAK	09/29/00	09:29	KT	S	CONC
140	DL3J2	P092800	QTESTNAK	09/29/00	09:36	KT	S	CONC
141	DL3J4	P092800	QTESTNAK	09/29/00	09:44	KT	S	CONC
142	DL3J5	P092800	QTESTNAK	09/29/00	09:50	KT	S	CONC
143	DL3J6	P092800	QTESTNAK	09/29/00	09:58	KT	S	CONC
144	CCVT	P092800	QTESTNAK	09/29/00	10:05	KT	S	CONC
145	CCBT,	P092800	QTESTNAK	09/29/00	10:15	KT	Q	CONC
146	DL3J7	P092800	QTESTNAK	09/29/00	10:21	KT	S	CONC
147	DL4NV 5X	P092800	QTESTNAK	09/29/00	10:28	KT	S	CONC
148	CCVT	P092800	QTESTNAK	09/29/00	10:36	KT	S	CONC
149	CCBT'	P092800	QTESTNAK	09/29/00	10:44	KT	Q	CONC


659
Profile line : As 189.042/
Peak Position : -.001827
Peak Intensity: 510.015
Peak Width : 10.1352
New Spec. Shift at : 0
Intensity
0
-31
0
31
Spectrum Shifter Position

09/28/00

Method: QTESTNAK Standard: STDBLK
Run Time: 09/28/00 15:56:34

Elem	Al3082	As1890	Ba4934	Be3130	Cd_tr	Ca3179	Cr_tr
Avge	.07863	-.03441	.00017	.00211	.02886	.00211	.00430
SDev	.00412	.01104	.00024	.00008	.00356	.00008	.00404
%RSD	5.2372	32.080	141.42	3.9758	12.349	3.9758	93.987
#1	.07572	-.02660	.00034	.00205	.03138	.00205	.00716
#2	.08154	-.04222	.00000	.00216	.02634	.00216	.00144

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Mo2020	Ni2316
Avge	-.00036	.01508	-.00298	.00016	.00035	.00052	-.00053
SDev	.00051	.00010	.00013	.00074	.00001	.00023	.00027
%RSD	141.42	.68741	4.3503	459.00	3.9758	43.573	50.642
#1	.00000	.01501	-.00307	.00068	.00034	.00068	-.00034
#2	-.00072	.01515	-.00289	-.00036	.00036	.00036	-.00072

Elem	Ag_tr	Na3302	Tl1908	Ti3349	V_2924	Zn2138	Sn1899
Avge	-.00234	-.01137	-.03806	-.00140	.00036	.00122	-.00106
SDev	.00282	.00739	.00841	.00006	.00051	.00020	.00054
%RSD	120.77	65.048	22.087	3.9758	141.42	16.293	50.642
#1	-.00034	-.00614	-.04400	-.00136	.00000	.00136	-.00068
#2	-.00433	-.01660	-.03211	-.00144	.00072	.00108	-.00144

Elem	2068_1	2068_2	2203_1	2203_2	1960_1	1960_2	B_2496
Avge	-.00728	.00223	.05265	.00550	-.01808	.01384	-.0002
SDev	.00417	.00264	.04180	.01212	.00097	.00069	.0003
%RSD	57.324	118.51	79.390	220.34	5.3474	4.9838	141.4
#1	-.01023	.00409	.08220	-.00307	-.01740	.01433	.0000
#2	-.00433	.00036	.02309	.01407	-.01876	.01335	-.0004

Elem	Sr4215	Si2881
Avge	.0002	.0882
SDev	.0002	.0018
%RSD	141.4	2.009
#1	.0003	.0870
#2	.0000	.0895

IntStd de	1 Counts	2 NOTUSED	3 NOTUSED	4 NOTUSED	5 NOTUSED	6 NOTUSED	7 NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	5703	--	--	--	--	--	--
SDev	226.7548	--	--	--	--	--	--
%RSD	3.975825	--	--	--	--	--	--
#1	5864	--	--	--	--	--	--
#2	5543	--	--	--	--	--	--

Method: QTESTNAK Standard: STD1
Run Time: 09/28/00 16:03:03

Elem	Al3082	As1890	Ba4934	Be3130	Cd_tr	Ca3179	Cr_tr
Avge	19.033	2.5966	4.9074	6.2716	16.654	2.0120	7.3794
SDev	.028	.0237	.0056	.0054	.018	.0041	.0223
%RSD	.14778	.91310	.11387	.08583	.10889	.20442	.30201
#1	19.053	2.5798	4.9035	6.2678	16.641	2.0091	7.3636
#2	19.013	2.6133	4.9114	6.2754	16.667	2.0149	7.3951

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Mo2020	Ni2316
Avge	1.1796	4.4680	3.2316	26.007	3.3842	.50217	1.2731
SDev	.0029	.0099	.0041	.041	.0100	.00386	.0050
%RSD	.24728	.22260	.12660	.15830	.29426	.76831	.39455
#1	1.1775	4.4750	3.2287	25.978	3.3772	.49944	1.2695
#2	1.1816	4.4609	3.2345	26.037	3.3912	.50490	1.2766

Elem	Ag_tr	Na3302	Tl1908	Ti3349	V_2924	Zn2138	Sn1899
Avge	6.0291	4.7933	3.3123	2.4052	1.8196	1.0063	.20542
SDev	.0086	.0039	.0083	.0042	.0032	.0023	.00015
%RSD	.14271	.08056	.25201	.17398	.17822	.22993	.07430
#1	6.0230	4.7960	3.3182	2.4023	1.8173	1.0047	.20552
#2	6.0351	4.7905	3.3064	2.4082	1.8219	1.0080	.20531

Elem	2068_1	2068_2	2203_1	2203_2	1960_1	1960_2	B_2496
Avge	1.5878	.82258	5.9079	2.4746	.38554	.49999	.7007
SDev	.0098	.00344	.0146	.0092	.00161	.00283	.0022
%RSD	.61813	.41826	.24739	.37329	.41622	.56661	.3080
#1	1.5809	.82501	5.9182	2.4681	.38668	.50199	.6991
#2	1.5948	.82014	5.8975	2.4812	.38441	.49798	.7022

Elem	Sr4215	Si2881
Avge	8.847	1.524
SDev	.007	.002
%RSD	.0742	.1016
#1	8.843	1.523
#2	8.852	1.525

IntStd	1	2	3	4	5	6	7
de	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
em	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	5496	--	--	--	--	--	--
SDev	2.800461	--	--	--	--	--	--
%RSD	.0509532	--	--	--	--	--	--
#1	5498	--	--	--	--	--	--
#2	5494	--	--	--	--	--	--

Standardization Report 09/28/00 04:08:57 PM page 1

Method: QTESTNAK Slope = Conc(SIR)/IR

I ment	Wavelen	High std	Low std	Slope	Y-intercept	Date Standardized
B2203	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	2.64502	-.207984	09/28/00 04:03:03
As1890	189.042	STD1	STDBLK	.381315	.013121	09/28/00 04:03:03
Ba4934	493.409	STD1	STDBLK	.815116	-.000139	09/28/00 04:03:03
Be3130	313.042	STD1	STDBLK	.638421	-.001344	09/28/00 04:03:03
Cd_tr	226.502	STD1	STDBLK	.060923	-.001758	09/28/00 04:03:03
Ca3179	317.933	STD1	STDBLK	99.5196	-.209558	09/28/00 04:03:03
Cr_tr	267.716	STD1	STDBLK	.542479	-.002334	09/28/00 04:03:03
Co2286	228.616	STD1	STDBLK	3.39897	.001226	09/28/00 04:03:03
Cu3247	324.753	STD1	STDBLK	.898055	-.013544	09/28/00 04:03:03
Fe2714	271.441	STD1	STDBLK	15.5871	.046420	09/28/00 04:03:03
Mg2790	279.078	STD1	STDBLK	7.68555	-.001235	09/28/00 04:03:03
Mn2576	257.610	STD1	STDBLK	1.18209	-.000415	09/28/00 04:03:03
Mo2020	202.030	STD1	STDBLK	7.96362	-.004153	09/28/00 04:03:03
Ni2316	231.604	STD1	STDBLK	3.14068	.001669	09/28/00 04:03:03
Ag_tr	328.068	STD1	STDBLK	.331818	.000775	09/28/00 04:03:03
Na3302	330.232	STD1	STDBLK	.796586	.020819	09/28/00 04:03:03
Tl1908	190.864	STD1	STDBLK	.600985	.022871	09/28/00 04:03:03
Ti3349	334.941	STD1	STDBLK	1.66243	.002334	09/28/00 04:03:03
V_2924	292.402	STD1	STDBLK	2.20008	-.000794	09/28/00 04:03:03
Zn2138	213.856	STD1	STDBLK	4.00777	-.004903	09/28/00 04:03:03
Sn1899	189.989	STD1	STDBLK	19.3884	.020604	09/28/00 04:03:03
2068_1	206.831	STD1	STDBLK	.605954	.004412	09/28/00 04:03:03
68_2	206.832	STD1	STDBLK	1.20503	-.002683	09/28/00 04:03:03
2203_1	220.351	STD1	STDBLK	.173673	-.009143	09/28/00 04:03:03
2203_2	220.352	STD1	STDBLK	.401736	-.002210	09/28/00 04:03:03
1960_1	196.021	STD1	STDBLK	2.48657	.044954	09/28/00 04:03:03
1960_2	196.022	STD1	STDBLK	2.00047	-.027682	09/28/00 04:03:03
B_2496	249.678	STD1	STDBLK	5.70732	.001030	09/28/00 04:03:03
Sr4215	421.552	STD1	STDBLK	.452124	-.000077	09/28/00 04:03:03
Si2881	288.158	STD1	STDBLK	2.78635	-.245838	09/28/00 04:03:03

Method: QTESTNAK Sample Name: ICVHP Operator: KT
Run Time: 09/28/00 16:09:34
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.99219	.97620	1.0248	9.7603	.97987	1.0365	1.0642
SDev	.00411	.00171	.0001	.0314	.00123	.0010	.0008
%RSD	.41407	.17533	.01076	.32138	.12548	.09772	.07111
#1	.99509	.97741	1.0247	9.7824	.98074	1.0372	1.0647
#2	.98928	.97499	1.0249	9.7381	.97900	1.0358	1.0637
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	1.0265	41.105	1.0561	1.0223	.97339	10.602	41.580
SDev	.0001	.178	.0023	.0008	.00609	.007	.011
%RSD	.01152	.43343	.21508	.07675	.62537	.06850	.02616
#1	1.0266	40.979	1.0545	1.0218	.97769	10.607	41.588
#2	1.0264	41.231	1.0577	1.0229	.96908	10.597	41.572
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	1.0758	1.0123	1.0350	.39326	36.789	5.0282	1.0553
SDev	.0017	.0031	.0008	.00103	.163	.0014	.0021
%RSD	.15716	.31020	.07306	.26257	.44387	.02712	.19494
#1	1.0746	1.0145	1.0355	.39253	36.904	5.0292	1.0568
#2	1.0770	1.0101	1.0345	.39399	36.674	5.0272	1.0539
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	1.0400	1.0332	.94270	1.0341	1.0062	.99302	.99178
SDev	.0003	.0018	.01023	.0023	.0043	.00513	.00360
%RSD	.02431	.17359	1.0852	.22343	.42704	.51716	.36254
#1	1.0399	1.0319	.93546	1.0325	1.0092	.99665	.99433
#2	1.0402	1.0345	.94993	1.0357	1.0031	.98939	.98924
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	.98302	.97279	.9806	1.050	L.8548
SDev	.00173	.00170	.0063	.000	.0046
%RSD	.17581	.17509	.6480	.0085	.5426
#1	.98425	.97399	.9761	1.050	L.8581
#2	.98180	.97159	.9851	1.050	L.8516
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	5757	--	--	--	--	--	--
SDev	4.383855	--	--	--	--	--	--
%RSD	.0761538	--	--	--	--	--	--
#1	5760	--	--	--	--	--	--
#2	5753	--	--	--	--	--	--

Method: QTESTNAK Sample Name: ICB Operator: KT
Run Time: 09/28/00 16:17:39
Cc ent:
Mc .: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00136	-.00241	-.00003	-.01019	.00234	.00014	.00018
SDev	.00003	.00171	.00099	.00235	.00096	.00039	.00001
%RSD	1.9565	70.744	2865.8	23.053	41.221	282.34	3.5309
#1	-.00138	-.00362	-.00074	-.01185	.00166	.00042	.00018
#2	-.00135	-.00120	.00067	-.00853	.00302	-.00014	.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	-.00011	-.00613	.00108	.00007	.00007	.01187	.01055
SDev	.00008	.00085	.00038	.00001	.00016	.01141	.00187
%RSD	74.943	13.925	34.865	6.9594	222.56	96.052	17.721
#1	-.00005	-.00553	.00082	.00006	-.00004	.00381	.01187
#2	-.00017	-.00673	.00135	.00007	.00018	.01994	.00923
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
.gh	.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	-.00001	-.00009	.00060	.00106	.35326	.00393	.00007
SDev	.00000	.00190	.00000	.00024	.05137	.00064	.00001
%RSD	13.929	2208.3	.74981	22.569	14.541	16.268	13.856
#1	-.00001	-.00143	.00060	.00089	.31693	.00439	.00006
#2	-.00001	.00126	.00060	.00123	.38958	.00348	.00007
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	-.00004	-.00081	.00079	-.00148	.00286	.00157	-.00283
SDev	.00000	.00002	.00008	.00251	.00204	.00104	.00048
%RSD	5.5337	2.3972	10.509	169.70	71.486	66.572	16.983
#1	-.00004	-.00080	.00073	-.00325	.00430	.00083	-.00249
#2	-.00005	-.00083	.00085	.00030	.00141	.00230	-.00317
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.05000	.02000	.10000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
ge	.00724	-.00723	.0020	.0001	<.0000
ev	.00914	.00201	.0014	.0000	.0010
%RSD	126.32	27.789	68.79	.8403	15.16
#1	.00077	-.00581	.0030	.0001	<.0000
#2	.01370	-.00865	.0010	.0001	<.0000
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			.2000	.0500	.5000
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	5871	--	--	--	--	--	--
SDev	24.63584	--	--	--	--	--	--
%RSD	.4196491	--	--	--	--	--	--
#1	5853	--	--	--	--	--	--
#2	5888	--	--	--	--	--	--

Method: QTESTNAK Sample Name: ICSA Operator: KT
Run Time: 09/28/00 16:23:35
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00145	.00129	-.00019	465.74	-.00277	.00047	-.00014
SDev	.00006	.00323	.00384	.63	.00087	.00000	.00000
%RSD	4.4383	251.59	2028.0	.13527	31.224	.41837	2.6153
#1	.00140	.00357	-.00291	466.19	-.00216	.00048	-.00014
#2	.00149	-.00100	.00253	465.30	-.00338	.00047	-.00015
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	.00284	476.10	-.00146	.00271	-.00003	190.76	465.17
SDev	.00028	.10	.00059	.00090	.00020	.39	.86
%RSD	9.7631	.02058	40.453	33.171	613.91	.20288	.18508
#1	.00303	476.17	-.00104	.00207	-.00018	191.03	465.78
#2	.00264	476.03	-.00188	.00334	.00011	190.49	464.56
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	-.00442	-.00737	.00167	.00009	.15356	.00791	-.00017
SDev	.00001	.00215	.00000	.00009	.22535	.00389	.00001
%RSD	.29319	29.224	.00000	102.35	146.76	49.224	4.8848
#1	-.00443	-.00889	.00167	.00002	.31290	.01066	-.00017
#2	-.00441	-.00584	.00167	.00015	-.00579	.00516	-.00016
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	.00112	.01417	.00499	-.00129	.00202	-.01076	.00754
SDev	.00001	.00010	.01551	.00609	.00065	.00249	.00134
%RSD	1.0477	.67670	311.10	470.99	32.094	23.177	17.790
#1	.00113	.01423	-.00598	-.00560	.00248	-.00900	.00659
#2	.00111	.01410	.01595	.00301	.00156	-.01253	.00849
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	.01131	-.00372	.0085	.0151	<.0000
SDev	.00983	.00006	.0015	.0001	.0015
%RSD	86.888	1.5667	18.05	.3252	24.31
#1	.01826	-.00376	.0096	.0151	<.0000
#2	.00436	-.00368	.0075	.0150	<.0000
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			.2000	.0500	.5000
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	5315	--	--	--	--	--	--
SDev	17.19671	--	--	--	--	--	--
%RSD	.3235749	--	--	--	--	--	--
#1	5302	--	--	--	--	--	--
#2	5327	--	--	--	--	--	--

Analysis Report 09/28/00 04:37:32 PM page 1

Method: QTESTNAK Sample Name: ICSAB Operator: KT
Run Time: 09/28/00 16:31:39
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.97949	.97876	1.0405	467.13	1.0023	.51478	.48632
SDev	.00572	.02177	.0084	1.19	.0029	.00198	.00042
%RSD	.58429	2.2247	.80322	.25502	.28643	.38554	.08566
#1	.98354	.99415	1.0346	467.98	1.0043	.51618	.48662
#2	.97544	.96336	1.0464	466.29	1.0003	.51337	.48603
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.2000	1.2000	1.2000	600.00	1.2000	.60000	.60000
Low	.80000	.80000	.80000	400.00	.80000	.40000	.40000

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.94362	476.46	.48653	.48771	.53955	190.94	465.84
SDev	.00183	1.20	.00012	.00036	.00119	.36	.78
%RSD	.19439	.25107	.02360	.07382	.22082	.18661	.16810
#1	.94491	477.31	.48661	.48797	.54039	191.20	466.39
#2	.94232	475.62	.48645	.48746	.53871	190.69	465.28
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.2000	600.00	.60000	.60000	.60000	240.00	600.00
Low	.80000	400.00	.40000	.40000	.40000	160.00	400.00

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49985	.98446	.97626	1.0724	H12.984	1.0044	-.00027
SDev	.00036	.00168	.00086	.0034	.074	.0151	.00001
%RSD	.07101	.17084	.08791	.32077	.57176	1.5067	2.3992
#1	.50010	.98328	.97687	1.0749	H13.037	1.0151	-.00028
#2	.49960	.98565	.97565	1.0700	H12.932	.99371	-.00027
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass
High	.60000	1.2000	1.2000	1.2000	12.000	1.2000	.10000
Low	.40000	.80000	.80000	.80000	8.0000	.80000	-.10000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.49052	1.0722	.00500	1.0448	1.0317	.96363	.98741
SDev	.00069	.0007	.00511	.0135	.0020	.01054	.00332
%RSD	.14090	.06444	102.33	1.2955	.19546	1.0939	.33601
#1	.49101	1.0727	.00861	1.0353	1.0331	.97108	.98976
#2	.49003	1.0717	.00138	1.0544	1.0303	.95618	.98506
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
Ave	.97628	.98000	.0107	.0150	<.0000
SDev	.02091	.02221	.0015	.0000	.0014
%RSD	2.1419	2.2659	13.97	.2606	12.46
#1	.99106	.99570	.0096	.0151	<.0000
#2	.96149	.96430	.0117	.0150	<.0000
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	5324	--	--	--	--	--	--
SDev	13.80274	--	--	--	--	--	--
%RSD	.2592706	--	--	--	--	--	--
#1	5314	--	--	--	--	--	--
#2	5333	--	--	--	--	--	--

Method: QTESTNAK Sample Name: CCVT Operator: KT
Run Time: 09/28/00 23:21:01
(ment:
M..de: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50265	.48974	.49805	24.359	.49561	2.0136	2.1065
SDev	.00102	.00178	.00504	.020	.00310	.0038	.0032
%RSD	.20379	.36358	1.0117	.08199	.62612	.18738	.15218
#1	.50193	.48848	.49449	24.373	.49781	2.0110	2.1088
#2	.50338	.49100	.50161	24.345	.49342	2.0163	2.1043
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	.51869	106.39	2.1225	2.0666	1.9365	26.319	103.04
SDev	.00107	.50	.0060	.0001	.0028	.006	.02
%RSD	.20663	.46551	.28071	.00316	.14567	.02149	.02208
#1	.51945	106.74	2.1267	2.0665	1.9345	26.315	103.06
#2	.51794	106.04	2.1183	2.0666	1.9385	26.323	103.03
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	2.1175	2.0152	2.0624	1.0121	48.748	.96127	2.0676
SDev	.0024	.0127	.0018	.0028	.012	.00160	.0000
%RSD	.11453	.62997	.08828	.28092	.02512	.16605	.00148
#1	2.1192	2.0063	2.0636	1.0141	48.757	.96014	2.0676
#2	2.1158	2.0242	2.0611	1.0101	48.740	.96240	2.0676
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	2.0899	2.1121	1.9408	.49883	.49649	.50342	.50227
SDev	.0028	.0060	.0002	.00794	.00076	.00163	.00235
%RSD	.13424	.28544	.00890	1.5910	.15402	.32333	.46756
#1	2.0919	2.1163	1.9407	.49322	.49703	.50457	.50061
#2	2.0880	2.1078	1.9409	.50444	.49595	.50227	.50393
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	.49919	.48502	1.996	2.067	1.963
ev	.00108	.00321	.009	.001	.001
%RSD	.21663	.66171	.4601	.0617	.0590
#1	.49996	.48275	1.990	2.066	1.964
#2	.49843	.48729	2.003	2.068	1.962
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	5801	--	--	--	--	--	--
SDev	13.74611	--	--	--	--	--	--
%RSD	.2369726	--	--	--	--	--	--
#1	5791	--	--	--	--	--	--
#2	5810	--	--	--	--	--	--

Method: QTESTNAK Sample Name: CCBT. Operator: KT
Run Time: 09/28/00 23:29:06
C ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00283	.00299	-.00047	-.03080	.00699	.00013	-.00006
SDev	.00028	.00107	.00161	.00010	.00235	.00000	.00000
%RSD	9.9632	35.908	341.10	.32155	33.648	.11388	1.1720
#1	-.00263	.00223	.00067	-.03087	.00865	.00013	-.00006
#2	-.00303	.00374	-.00161	-.03073	.00533	.00013	-.00006
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.00500	.06000	.20000	.01000	.02000	.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00015	.02378	.00057	.00066	-.00031	.01504	.00779
SDev	.00000	.00013	.00052	.00081	.00001	.00009	.00182
%RSD	.74653	.54914	89.835	122.79	2.4148	.57047	23.297
#1	-.00015	.02369	.00021	.00009	-.00031	.01510	.00908
#2	-.00015	.02387	.00094	.00122	-.00030	.01498	.00651
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	-.00022	.00118	.00167	.00077	.29853	.00103	.00066
SDev	.00028	.00000	.00000	.00031	.00016	.00073	.00000
%RSD	128.99	.25127	.00000	40.586	.05341	70.540	.15788
#1	-.00002	.00118	.00167	.00100	.29864	.00154	.00066
#2	-.00041	.00119	.00167	.00055	.29842	.00052	.00066
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	-.00006	.00046	-.00212	-.00169	.00196	-.00003	-.00423
SDev	.00000	.00000	.00458	.00285	.00086	.00275	.00095
%RSD	.72810	.70954	215.59	168.47	43.589	8107.8	22.450
#1	-.00006	.00046	-.00536	.00032	.00136	.00191	-.00490
#2	-.00006	.00046	.00111	-.00370	.00257	-.00198	-.00356
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.00000	.00000	.00000				
Range	.05000	.02000	.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
ge	.01206	-.00154	.0039	<.0000	<.0000
SDev	.00061	.00191	.0014	.0000	.0008
%RSD	5.0393	123.84	34.65	.0000	6.086
#1	.01249	-.00289	.0049	<.0000	<.0000
#2	.01163	-.00019	.0029	<.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	5971	--	--	--	--	--	--
SDev	3.337696	--	--	--	--	--	--
%RSD	.0558981	--	--	--	--	--	--
#1	5973	--	--	--	--	--	--
#2	5969	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DL4NR Operator: KT
Run Time: 09/28/00 23:35:03
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00379	.01279	.00267	.74671	.01205	.47294	-.00037
SDev	.00023	.00007	.00196	.00201	.00331	.00138	.00016
%RSD	5.9653	.55416	73.608	.26922	27.453	.29168	44.462
#1	.00363	.01274	.00128	.74813	.00971	.47196	-.00025
#2	.00395	.01284	.00406	.74529	.01439	.47391	-.00049
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	.00280	89.546	.00615	.00222	.02083	1.4043	5.5255
SDev	.00019	.470	.00048	.00001	.00015	.0116	.0239
%RSD	6.8698	.52504	7.8628	.56107	.73249	.82700	.43209
#1	.00266	89.214	.00649	.00223	.02094	1.3961	5.5086
#2	.00293	89.879	.00581	.00221	.02072	1.4125	5.5424
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	.96711	-.00131	.01128	.00107	2.0240	-.00344	.06445
SDev	.00806	.00003	.00161	.00040	.0921	.00028	.00013
%RSD	.83376	2.1360	14.292	37.820	4.5498	8.1987	.20397
#1	.96140	-.00129	.01242	.00135	2.0891	-.00364	.06436
#2	.97281	-.00133	.01014	.00078	1.9589	-.00324	.06455
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	.00247	.17043	.03698	.00271	.00258	.00605	.00266
SDev	.00049	.00197	.00448	.00442	.00295	.00134	.00101
%RSD	19.890	1.1551	12.116	162.79	114.50	22.093	37.768
#1	.00213	.16904	.03381	-.00041	.00466	.00699	.00195
#2	.00282	.17182	.04015	.00584	.00049	.00510	.00337
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	.02784	.00527	.0747	.7532	.9066
Dev	.00102	.00061	.0019	.0024	.0037
%RSD	3.6458	11.622	2.611	.3243	.4058
#1	.02856	.00484	.0733	.7515	.9092
#2	.02712	.00571	.0761	.7549	.9040
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	5887	--	--	--	--	--	--
SDev	63.24359	--	--	--	--	--	--
%RSD	1.074212	--	--	--	--	--	--
#1	5843	--	--	--	--	--	--
#2	5932	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DL4NV Operator: KT
Run Time: 09/28/00 23:43:08
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04984	L-.00514	.00332	10.284	.20673	.07394	.00017
SDev	.00085	.00127	.00198	.013	.00636	.00022	.00038
%RSD	1.7029	24.749	59.831	.12953	3.0742	.29196	220.36
#1	.05044	-.00424	.00191	10.293	.20224	.07379	.00044
#2	.04924	L-.00604	.00472	10.274	.21123	.07409	-.00010
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	.00185	H2599.9	.01179	.02567	.01862	9.3105	20.132
SDev	.00023	9.9	.00153	.00217	.00056	.0088	.047
%RSD	12.442	.38144	12.942	8.4573	2.9931	.09439	.23272
#1	.00169	H2592.9	.01287	.02720	.01901	9.3043	20.098
#2	.00201	H2606.9	.01071	.02413	.01822	9.3167	20.165
Errors	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.2307	.00477	.07523	.00041	1.6682	-.00229	.57839
SDev	.0406	.00233	.00019	.00009	.1872	.00109	.00032
%RSD	.77590	48.849	.24849	21.504	11.219	47.623	.05564
#1	5.2020	.00642	.07509	.00035	1.8005	-.00306	.57862
#2	5.2594	.00312	.07536	.00047	1.5359	-.00152	.57816
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	.02930	.05682	.01997	.00226	.00544	.08206	.03376
SDev	.00095	.00053	.01098	.00421	.00248	.00777	.00261
%RSD	3.2435	.92904	54.967	186.81	45.577	9.4664	7.7197
#1	.02862	.05645	.01221	-.00072	.00720	.08755	.03191
#2	.02997	.05719	.02774	.00524	.00369	.07657	.03560
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	.01127	-.01334	.0079	2.149	2.181
SDev	.00664	.00522	.0032	.006	.017
%RSD	58.884	39.152	40.23	.2874	.7728
#1	.00658	-.00964	.0056	2.144	2.192
#2	.01596	-.01703	.0101	2.153	2.169
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4995	--	--	--	--	--	--
SDev	47.68724	--	--	--	--	--	--
%RSD	.9546078	--	--	--	--	--	--
#1	4962	--	--	--	--	--	--
#2	5029	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DKVLC Operator: KT
Run Time: 09/28/00 23:49:05
C ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.31257	.00669	.00138	150.05	.36353	.80651	.00218
SDev	.00279	.00021	.00137	.21	.00519	.00145	.00017
%RSD	.89151	3.1298	99.577	.13866	1.4262	.17995	7.7291
#1	.31060	.00684	.00041	149.91	.35987	.80549	.00230
#2	.31454	.00654	.00234	150.20	.36720	.80754	.00207
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	-.00017	31.299	.30615	.07218	.18145	161.77	39.019
SDev	.00015	.135	.00191	.00060	.00014	.26	.103
%RSD	86.946	.43133	.62344	.83024	.07692	.16332	.26500
#1	-.00027	31.203	.30480	.07261	.18135	161.58	38.946
#2	-.00006	31.394	.30750	.07176	.18155	161.96	39.092
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	2.6472	-.00199	.28967	.00120	2.2422	-.00415	10.125
SDev	.0157	.00193	.00191	.00001	.0522	.00253	.017
%RSD	.59167	97.154	.66052	.44276	2.3298	60.840	.16842
#1	2.6361	-.00335	.28831	.00120	2.2791	-.00237	10.113
#2	2.6582	-.00062	.29102	.00119	2.2053	-.00594	10.137
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	.42150	.42596	.01724	.00079	.00255	.31602	.31084
SDev	.00097	.00188	.00892	.00374	.00338	.00214	.00524
%RSD	.22917	.44194	51.761	473.91	132.43	.67659	1.6874
#1	.42081	.42463	.02354	-.00185	.00494	.31754	.30713
#2	.42218	.42730	.01093	.00343	.00016	.31451	.31455
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	.00534	.00736	.0213	.2080	2.138
SDev	.00320	.00128	.0001	.0003	.006
%RSD	59.957	17.465	.5547	.1629	.2624
#1	.00761	.00645	.0214	.2077	2.142
#2	.00308	.00827	.0213	.2082	2.135
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	36.03413	--	--	--	--	--	--
%RSD	.5827786	--	--	--	--	--	--
#1	6158	--	--	--	--	--	--
#2	6209	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DKVLCX Operator: KT
Run Time: 09/28/00 23:59:15
ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.30185	.00152	-.00140	153.99	.35853	.82858	.00225
SDev	.00128	.00129	.00261	.10	.00828	.00096	.00017
%RSD	.42247	84.843	187.04	.06390	2.3085	.11595	7.6293
#1	.30095	.00061	-.00325	153.92	.36439	.82790	.00237
#2	.30276	.00244	.00045	154.06	.35268	.82926	.00212
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	-.00043	32.104	.31436	.07074	.18382	166.68	40.023
SDev	.00007	.186	.00171	.00022	.00065	.59	.077
%RSD	15.333	.57905	.54418	.31111	.35402	.35391	.19161
#1	-.00038	31.973	.31315	.07059	.18428	166.26	39.969
#2	-.00048	32.236	.31557	.07090	.18336	167.10	40.077
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	2.6186	.00091	.29589	.00104	2.5187	-.00172	9.7021
SDev	.0178	.00172	.00124	.00008	.0007	.00143	.0143
%RSD	.67857	190.04	.42013	7.8269	.02764	82.959	.14709
#1	2.6061	.00213	.29501	.00110	2.5192	-.00071	9.6920
#2	2.6312	-.00031	.29677	.00099	2.5182	-.00273	9.7121
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	.42297	.43428	.01408	-.00484	.00549	.30573	.29992
SDev	.00106	.00097	.00455	.00230	.00325	.00102	.00242
%RSD	.25123	.22437	32.276	47.529	59.150	.33442	.80767
#1	.42222	.43359	.01730	-.00646	.00319	.30646	.29820
#2	.42372	.43497	.01087	-.00321	.00779	.30501	.30163
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	-.00104	.00281	.0198	.2037	1.738
SDev	.00371	.00009	.0001	.0004	.020
%RSD	355.28	3.0737	.5403	.2035	1.135
#1	-.00367	.00274	.0199	.2035	1.752
#2	.00158	.00287	.0197	.2040	1.724
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	6084	--	--	--	--	--	--
SDev	34.67654	--	--	--	--	--	--
%RSD	.5699217	--	--	--	--	--	--
#1	6060	--	--	--	--	--	--
#2	6109	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DKVLCS Operator: KT
Run Time: 09/29/00 00:07:19
C ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.92189	1.6038	.15136	154.70	2.0516	2.6890	.05216
SDev	.00542	.0049	.00370	.16	.0006	.0060	.00003
%RSD	.58828	.30697	2.4438	.10404	.02941	.22159	.05487
#1	.91805	1.6003	.14875	154.59	2.0520	2.6848	.05213
#2	.92572	1.6073	.15398	154.82	2.0512	2.6933	.05218
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	.04713	31.850	.55427	.55208	.41749	161.56	38.323
SDev	.00038	.194	.00290	.00346	.00117	.60	.104
%RSD	.79731	.60826	.52370	.62623	.28061	.37241	.27078
#1	.04686	31.713	.55222	.54964	.41832	161.14	38.250
#2	.04739	31.987	.55632	.55453	.41667	161.99	38.397
rrors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
igh	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.9963	.91305	.75531	.04582	2.5076	1.7164	9.7534
SDev	.0200	.00984	.00371	.00003	.0703	.0057	.0137
%RSD	.66885	1.0773	.49115	.07287	2.8048	.32923	.14072
#1	2.9821	.90609	.75269	.04579	2.5573	1.7124	9.7437
#2	3.0105	.92000	.75794	.04584	2.4578	1.7204	9.7631
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	.91765	.90072	.02373	.14960	.15489	.93103	.91732
SDev	.00152	.00577	.01799	.00726	.00343	.00254	.00686
%RSD	.16547	.64105	75.823	4.8521	2.2154	.27281	.74813
#1	.91658	.89664	.01101	.14447	.15732	.92923	.91247
#2	.91873	.90481	.03645	.15474	.15247	.93282	.92218
rrors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
Avge	1.5929	1.6092	.0237	.2134	1.986
SDev	.0056	.0102	.0002	.0006	.008
%RSD	.35230	.63279	.7394	.2658	.4095
#1	1.5969	1.6020	.0238	.2130	1.980
#2	1.5890	1.6164	.0235	.2138	1.991
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	6055	--	--	--	--	--	--
SDev	46.81026	--	--	--	--	--	--
%RSD	.7730819	--	--	--	--	--	--
#1	6022	--	--	--	--	--	--
#2	6088	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DL4J0B-0271275 Operator: KT
Run Time: 09/29/00 00:15:24
C ment:
M e: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00213	-.00081	.00146	-.05574	.00358	.00093	-.00019
SDev	.00202	.00066	.00405	.02079	.00316	.00001	.00016
%RSD	95.150	81.287	277.12	37.288	88.200	1.3607	83.620
#1	.00356	-.00034	.00433	-.04105	.00581	.00094	-.00008
#2	.00070	-.00128	-.00140	-.07044	.00135	.00092	-.00031
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	.00033	.13278	.00229	.00067	.00059	.05142	.03909
SDev	.00033	.01901	.00005	.00078	.00017	.00724	.00048
%RSD	98.109	14.317	2.3743	116.53	28.491	14.078	1.2301
#1	.00010	.11933	.00233	.00122	.00070	.04630	.03943
#2	.00056	.14622	.00225	.00012	.00047	.05654	.03875
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
igh	.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	.00075	.00107	.00167	.00121	.73406	.00003	.00124
SDev	.00001	.00006	.00000	.00031	.07322	.00028	.00001
%RSD	1.8407	5.6944	.00000	25.801	9.9753	917.37	1.0382
#1	.00076	.00112	.00167	.00143	.68228	.00023	.00123
#2	.00074	.00103	.00167	.00099	.78584	-.00017	.00125
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	.00029	.00296	.00159	.00087	.00265	.00514	.00062
SDev	.00052	.00009	.00876	.00535	.00146	.00246	.00180
%RSD	181.04	3.1894	549.74	616.21	54.937	47.840	290.45
#1	.00066	.00303	.00779	.00465	.00369	.00688	.00190
#2	-.00008	.00289	-.00460	-.00292	.00162	.00340	-.00065
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.05000	.02000	.10000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
ge	.00499	-.00371	.0029	.0004	.0017
ev	.00508	.00353	.0000	.0001	.0068
%RSD	101.77	95.058	.7634	25.09	409.4
#1	.00140	-.00122	.0029	.0005	.0065
#2	.00859	-.00620	.0029	.0004	<.0000
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			.2000	.0500	.5000
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6103	--	--	--	--	--	--
SDev	72.23814	--	--	--	--	--	--
%RSD	1.183681	--	--	--	--	--	--
#1	6052	--	--	--	--	--	--
#2	6154	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DL4J0C Operator: KT
Run Time: 09/29/00 00:21:22
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.42563	1.5216	.42179	1.6828	1.6319	1.8189	.05264
SDev	.00267	.0063	.00311	.0062	.0129	.0077	.00043
%RSD	.62747	.41186	.73738	.36870	.79323	.42076	.81413
#1	.42374	1.5172	.41959	1.6871	1.6227	1.8135	.05234
#2	.42752	1.5261	.42399	1.6784	1.6410	1.8243	.05295
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	.04528	46.424	.19399	.47135	.22125	1.0182	44.202
SDev	.00070	.331	.00221	.00575	.00161	.0061	.277
%RSD	1.5548	.71371	1.1398	1.2210	.72956	.60156	.62576
#1	.04478	46.189	.19243	.46728	.22239	1.0138	44.007
#2	.04578	46.658	.19555	.47542	.22010	1.0225	44.398
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	.49304	.91087	.45475	.04492	40.645	1.7278	.94548
SDev	.00628	.00451	.00660	.00074	.168	.0048	.00057
%RSD	1.2731	.49514	1.4511	1.6383	.41217	.27669	.06037
#1	.48860	.90768	.45008	.04545	40.764	1.7245	.94508
#2	.49747	.91406	.45942	.04440	40.527	1.7312	.94588
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	.47502	.46762	1.6812	.42103	.42330	.43295	.42198
SDev	.00026	.00582	.0219	.00521	.00109	.00362	.00581
%RSD	.05441	1.2448	1.3040	1.2364	.25676	.83513	1.3767
#1	.47483	.46351	1.6657	.41735	.42407	.43550	.41787
#2	.47520	.47174	1.6967	.42471	.42253	.43039	.42609
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	1.5177	1.5236	.8611	.9262	7.033
SDev	.0068	.0128	.0102	.0057	.101
%RSD	.44951	.84022	1.190	.6108	1.441
#1	1.5225	1.5145	.8539	.9222	6.961
#2	1.5129	1.5326	.8684	.9302	7.104
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	6058	--	--	--	--	--	--
SDev	68.61767	--	--	--	--	--	--
%RSD	1.132694	--	--	--	--	--	--
#1	6009	--	--	--	--	--	--
#2	6106	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DL3EX Operator: KT
Run Time: 09/29/00 00:29:27
C ment:
M e: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04125	.00585	-.00563	147.17	.03185	.72947	.00451
SDev	.00222	.00016	.00521	1.67	.00611	.00951	.00033
%RSD	5.3814	2.7680	92.559	1.1358	19.171	1.3035	7.3382
#1	.03968	.00574	-.00932	145.98	.03616	.72275	.00474
#2	.04282	.00597	-.00195	148.35	.02753	.73620	.00427
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	-.00339	38.464	.24554	.08287	.13484	210.65	56.383
SDev	.00125	.675	.00247	.00094	.00015	3.20	.866
%RSD	36.944	1.7558	1.0062	1.1289	.11276	1.5185	1.5361
#1	-.00251	37.987	.24379	.08353	.13474	208.39	55.771
#2	-.00428	38.942	.24728	.08221	.13495	212.91	56.996
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	2.9437	.01055	.14645	-.00075	5.4787	.00021	14.709
SDev	.0640	.01272	.00086	.00062	.3070	.00737	.178
%RSD	2.1732	120.61	.58481	82.637	5.6035	3573.6	1.2096
#1	2.8984	.01954	.14585	-.00031	5.6958	-.00500	14.583
#2	2.9889	.00155	.14706	-.00119	5.2616	.00542	14.834
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	.41717	.51570	.02112	-.00994	.00300	.05127	.03624
SDev	.00667	.01032	.00022	.01076	.00590	.00753	.00709
%RSD	1.5991	2.0017	1.0390	108.29	197.06	14.688	19.555
#1	.41246	.50840	.02127	-.01755	.00717	.05660	.03123
#2	.42189	.52300	.02096	-.00233	-.00118	.04595	.04126
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	.00851	.00453	.0389	.3935	3.169
SDev	.01155	.00601	.0025	.0060	.048
%RSD	135.76	132.76	6.470	1.514	1.521
#1	.01668	.00028	.0371	.3893	3.135
#2	.00034	.00878	.0407	.3977	3.203
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	6030	--	--	--	--	--	--
SDev	25.68234	--	--	--	--	--	--
%RSD	.4258784	--	--	--	--	--	--
#1	6012	--	--	--	--	--	--
#2	6049	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DL3EXP Operator: KT
Run Time: 09/29/00 00:37:32
C ment:
Mode: CONC Corr. Factor: 5

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L.03997	L.01708	L.00144	148.35	L.06463	.76468	L.00323
SDev	.00784	.00203	.00410	.17	.00593	.00236	.00080
%RSD	19.613	11.869	284.60	.11726	9.1803	.30876	24.739
#1	L.03443	L.01851	L.00434	148.47	L.06883	.76301	L.00379
#2	L.04551	L.01564	L-.00146	148.22	L.06044	.76635	L.00266
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-.00750	40.075	.25725	.08884	.13094	224.07	62.009
SDev	.00308	.016	.00153	.00047	.00045	.21	.183
%RSD	41.018	.03983	.59660	.53418	.34631	.09221	.29490
#1	L-.00967	40.086	.25834	.08917	.13062	223.92	61.880
#2	L-.00532	40.063	.25617	.08850	.13126	224.21	62.139
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	3.1270	L.00858	.15434	L.00197	6.9246	L.02082	15.682
SDev	.0123	.00952	.00423	.00079	.0089	.00673	.034
%RSD	.39475	110.91	2.7424	39.998	.12888	32.309	.21712
#1	3.1183	L.00185	.15734	L.00253	6.9309	L.02558	15.658
#2	3.1357	L.01531	.15135	L.00141	6.9183	L.01606	15.706
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	.43800	.55221	L.02438	-.00374	.01182	.04580	.03706
SDev	.00372	.00201	.04655	.00466	.02166	.00024	.01187
%RSD	.84896	.36333	190.96	124.60	183.17	.51688	32.033
#1	.43537	.55363	L-.00854	-.00704	.02714	.04597	.02867
#2	.44063	.55079	L.05729	-.00045	-.00349	.04563	.04545
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	.04762	.00183	L.0437	.4092	3.309
SDev	.00354	.00481	.0001	.0008	.005
%RSD	7.4374	263.09	.2894	.1999	.1479
#1	.04511	.00523	L.0438	.4087	3.312
#2	.05012	-.00157	L.0436	.4098	3.305
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	5916	--	--	--	--	--	--
SDev	19.40297	--	--	--	--	--	--
%RSD	.3279767	--	--	--	--	--	--
#1	5902	--	--	--	--	--	--
#2	5930	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DL3EXS Operator: KT
Run Time: 09/29/00 00:44:02
C ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.46885	1.5666	.21984	185.89	1.6921	2.6196	.05559
SDev	.00983	.0097	.00693	.01	.0031	.0147	.00001
%RSD	2.0963	.61684	3.1519	.00629	.18401	.56152	.01240
#1	.46190	1.5598	.21494	185.89	1.6899	2.6092	.05559
#2	.47580	1.5734	.22474	185.90	1.6943	2.6300	.05558
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	.04534	87.815	.43222	.55021	.38226	223.28	100.23
SDev	.00024	.712	.00329	.00678	.00288	.76	.64
%RSD	.52531	.81074	.76117	1.2330	.75407	.34186	.63876
#1	.04551	87.312	.42989	.54542	.38430	222.74	99.780
#2	.04517	88.319	.43455	.55501	.38023	223.82	100.69
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	4.1219	.88379	.59136	.04312	50.639	1.7291	16.066
SDev	.0463	.00228	.00275	.00047	.204	.0089	.016
%RSD	1.1226	.25812	.46488	1.0936	.40275	.51690	.09983
#1	4.0892	.88217	.58942	.04346	50.783	1.7228	16.055
#2	4.1546	.88540	.59330	.04279	50.495	1.7354	16.078
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	.91647	.98334	1.6604	.21538	.22879	.47986	.46336
SDev	.00315	.00724	.0103	.01328	.00579	.00343	.01645
%RSD	.34425	.73679	.61877	6.1656	2.5305	.71411	3.5494
#1	.91424	.97821	1.6531	.20599	.23288	.48228	.45173
#2	.91870	.98846	1.6677	.22476	.22470	.47743	.47499
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	1.5664	1.5667	.8979	1.359	6.012
SDev	.0172	.0231	.0152	.008	.021
%RSD	1.0988	1.4732	1.695	.6024	.3552
#1	1.5785	1.5504	.8871	1.354	5.997
#2	1.5542	1.5830	.9087	1.365	6.027
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	5816	--	--	--	--	--	--
SDev	63.27190	--	--	--	--	--	--
%RSD	1.087927	--	--	--	--	--	--
#1	5771	--	--	--	--	--	--
#2	5861	--	--	--	--	--	--

Method: QTESTNAK Sample Name: CCVT Operator: KT
Run Time: 09/29/00 00:52:07
C ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49290	.48310	.48747	23.722	.48018	1.9677	2.0728
SDev	.00119	.00098	.00186	.016	.00129	.0011	.0048
%RSD	.24108	.20253	.38171	.06604	.26827	.05766	.22925
#1	.49206	.48379	.48616	23.733	.48109	1.9685	2.0761
#2	.49374	.48241	.48879	23.711	.47926	1.9669	2.0694
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	.50845	104.77	2.0867	2.0275	1.8846	25.874	100.85
SDev	.00080	.17	.0022	.0028	.0017	.002	.04
%RSD	.15780	.16009	.10581	.13669	.09256	.00688	.03538
#1	.50901	104.89	2.0883	2.0294	1.8858	25.876	100.87
#2	.50788	104.65	2.0852	2.0255	1.8834	25.873	100.82
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	2.0796	1.9844	2.0231	.99453	47.580	.94926	2.0325
SDev	.0023	.0164	.0050	.00101	.146	.01043	.0052
%RSD	.10983	.82434	.24852	.10102	.30735	1.0990	.25446
#1	2.0812	1.9729	2.0266	.99524	47.683	.94188	2.0362
#2	2.0779	1.9960	2.0195	.99382	47.477	.95663	2.0289
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	2.0572	2.0776	1.9077	.48858	.48525	.49175	.49348
SDev	.0054	.0029	.0165	.00248	.00062	.00316	.00020
%RSD	.26469	.13766	.86611	.50744	.12814	.64306	.04109
#1	2.0611	2.0796	1.9194	.48683	.48481	.48951	.49334
#2	2.0534	2.0756	1.8960	.49033	.48569	.49399	.49362
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	.48883	.48024	1.951	2.018	1.931
sDev	.00061	.00116	.004	.001	.000
%RSD	.12496	.24196	.2071	.0673	.0184
#1	.48926	.48106	1.954	2.019	1.931
#2	.48840	.47941	1.948	2.017	1.931
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	5903	--	--	--	--	--	--
SDev	8.089260	--	--	--	--	--	--
%RSD	.1370466	--	--	--	--	--	--
#1	5897	--	--	--	--	--	--
#2	5908	--	--	--	--	--	--

Method: QTESTNAK Sample Name: CCBT. Operator: KT
Run Time: 09/29/00 01:00:13
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00044	-.00007	.00075	-.05949	.00226	.00013	-.00008
SDev	.00119	.00151	.00068	.00390	.00140	.00000	.00000
%RSD	269.66	2225.4	90.585	6.5525	61.816	.60831	4.9655
#1	-.00128	-.00113	.00027	-.06224	.00325	.00013	-.00007
#2	.00040	.00100	.00124	-.05673	.00127	.00013	-.00008
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.00500	.06000	.20000	.01000	.02000	.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00014	.02119	.00090	.00066	-.00001	.01798	.00897
SDev	.00007	.00068	.00001	.00079	.00017	.01080	.00003
%RSD	50.131	3.2134	1.0612	119.83	1985.5	60.065	.34839
#1	-.00019	.02168	.00091	.00122	-.00013	.02562	.00899
#2	-.00009	.02071	.00089	.00010	.00011	.01035	.00894
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	-.00041	.00112	.00063	.00094	.42807	.00087	.00096
SDev	.00000	.00002	.00000	.00008	.06452	.00077	.00038
%RSD	.00000	1.4815	.48847	8.3095	15.073	88.146	40.244
#1	-.00041	.00114	.00063	.00100	.38245	.00033	.00123
#2	-.00041	.00111	.00063	.00088	.47370	.00142	.00068
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	-.00007	.00040	-.00188	-.00032	.00291	.00206	-.00169
SDev	.00000	.00001	.00461	.00047	.00111	.00017	.00169
%RSD	2.3336	3.5838	245.12	146.35	38.242	8.2579	100.33
#1	-.00006	.00041	-.00514	-.00065	.00212	.00194	-.00288
#2	-.00007	.00039	.00138	.00001	.00369	.00218	-.00049
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.00000	.00000	.00000				
Range	.05000	.02000	.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
ge	.01077	-.00548	.0029	<.0000	<.0000
SDev	.00185	.00133	.0000	.0000	.0006
%RSD	17.160	24.360	.1911	.0000	4.995
#1	.00946	-.00642	.0029	<.0000	<.0000
#2	.01208	-.00454	.0029	<.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	6038	--	--	--	--	--	--
SDev	17.81923	--	--	--	--	--	--
%RSD	.2951181	--	--	--	--	--	--
#1	6025	--	--	--	--	--	--
#2	6051	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DL3EXD Operator: KT
Run Time: 09/29/00 01:06:10
C ment:
M de: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.46515	1.5407	.22431	197.70	1.6799	2.6076	.05647
SDev	.01339	.0278	.01563	2.09	.0093	.0378	.00074
%RSD	2.8788	1.8019	6.9696	1.0566	.55483	1.4511	1.3127
#1	.45568	1.5210	.21326	196.22	1.6733	2.5809	.05595
#2	.47462	1.5603	.23537	199.17	1.6865	2.6344	.05699
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	.04399	88.361	.43964	.56337	.38355	229.18	99.608
SDev	.00022	1.744	.00930	.01004	.00206	3.60	1.822
%RSD	.49713	1.9738	2.1150	1.7815	.53788	1.5693	1.8291
#1	.04383	87.128	.43307	.55627	.38209	226.64	98.320
#2	.04414	89.594	.44622	.57046	.38501	231.72	100.90
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	4.5173	.89396	.59798	.04330	50.547	1.7216	16.274
SDev	.1124	.01086	.01187	.00082	.231	.0407	.237
%RSD	2.4883	1.2153	1.9843	1.8955	.45650	2.3636	1.4562
#1	4.4378	.88628	.58958	.04388	50.384	1.6928	16.107
#2	4.5968	.90164	.60637	.04272	50.710	1.7504	16.442
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	.93429	.99802	1.6807	.21624	.24049	.48781	.45383
SDev	.01833	.02271	.0327	.02827	.00967	.01072	.02543
%RSD	1.9618	2.2752	1.9434	13.072	4.0210	2.1970	5.6027
#1	.92133	.98196	1.6576	.19625	.24732	.49539	.43585
#2	.94725	1.0141	1.7038	.23622	.23365	.48023	.47181
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
^ ge	1.5547	1.5336	.8926	1.330	6.800
ev	.0183	.0508	.0171	.022	.183
%RSD	1.1778	3.3100	1.917	1.636	2.685
#1	1.5677	1.4977	.8805	1.314	6.671
#2	1.5418	1.5695	.9047	1.345	6.929
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	5825	--	--	--	--	--	--
SDev	33.06415	--	--	--	--	--	--
%RSD	.5676385	--	--	--	--	--	--
#1	5801	--	--	--	--	--	--
#2	5848	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DL3FW Operator: KT
Run Time: 09/29/00 01:14:15
C ment:
M e: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04405	.00277	-.00202	128.70	.03600	.74098	.00382
SDev	.00351	.00089	.00721	2.34	.00132	.01091	.00029
%RSD	7.9662	32.109	356.31	1.8211	3.6602	1.4725	7.6416
#1	.04157	.00339	-.00713	127.04	.03507	.73326	.00403
#2	.04653	.00214	.00308	130.36	.03693	.74869	.00362
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	-.00405	42.470	.22175	.07232	.10746	181.86	49.782
SDev	.00082	1.018	.00388	.00189	.00131	3.63	.822
%RSD	20.307	2.3981	1.7516	2.6204	1.2225	1.9956	1.6512
#1	-.00347	41.750	.21900	.07098	.10653	179.30	49.200
#2	-.00463	43.191	.22449	.07366	.10838	184.43	50.363
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	2.7957	.00383	.13023	-.00084	5.3613	.00092	13.017
SDev	.0625	.00035	.00089	.00062	.0707	.00454	.242
%RSD	2.2342	9.2359	.68235	74.034	1.3190	493.19	1.8627
#1	2.7516	.00358	.12960	-.00040	5.4113	-.00229	12.845
#2	2.8399	.00407	.13086	-.00127	5.3113	.00413	13.188
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	.35478	.46982	.01931	-.00537	.00468	.05103	.04057
SDev	.00677	.01027	.00428	.01046	.00072	.00006	.00529
%RSD	1.9082	2.1870	22.154	194.71	15.416	.11290	13.040
#1	.35000	.46256	.01628	-.01276	.00417	.05107	.03683
#2	.35957	.47709	.02233	.00202	.00519	.05099	.04431
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	.00162	.00334	.0336	.3010	3.316
ev	.00411	.00072	.0013	.0051	.033
%RSD	253.25	21.645	3.793	1.687	1.009
#1	.00453	.00283	.0345	.2974	3.293
#2	-.00128	.00385	.0327	.3046	3.340
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	6132	--	--	--	--	--	--
SDev	7.834798	--	--	--	--	--	--
%RSD	.1277753	--	--	--	--	--	--
#1	6137	--	--	--	--	--	--
#2	6126	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DL3G0 Operator: KT
Run Time: 09/29/00 01:22:20
C ment:
M e: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02975	.00520	-.00651	168.14	.02705	.59649	.00530
SDev	.00215	.00164	.00947	.51	.00415	.00072	.00040
%RSD	7.2193	31.469	145.30	.30411	15.336	.12022	7.5294
#1	.02823	.00404	-.01321	168.50	.02998	.59700	.00558
#2	.03127	.00635	.00018	167.78	.02411	.59599	.00501
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	-.00142	37.644	.29781	.11169	.15824	232.87	67.570
SDev	.00123	.329	.00166	.00054	.00278	.54	.170
%RSD	86.697	.87485	.55767	.48509	1.7546	.23040	.25199
#1	-.00055	37.411	.29664	.11207	.16021	232.49	67.450
#2	-.00229	37.877	.29899	.11131	.15628	233.25	67.691
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	4.1898	.00760	.23756	-.00081	8.1842	-.00168	15.861
SDev	.0457	.00534	.00051	.00115	.2887	.00238	.021
%RSD	1.0897	70.244	.21471	141.45	3.5273	141.08	.13454
#1	4.1575	.01138	.23792	.00000	8.3884	-.00336	15.876
#2	4.2221	.00383	.23720	-.00162	7.9801	-.00000	15.846
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	.43659	.57758	.01977	-.01417	.00882	.04317	.02304
SDev	.00000	.00491	.00019	.01913	.00988	.01070	.00856
%RSD	.00100	.85012	.93863	134.95	112.01	24.788	37.158
#1	.43658	.57410	.01991	-.02770	.01581	.05074	.01699
#2	.43659	.58105	.01964	-.00065	.00183	.03561	.02910
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	.01200	.00180	.0537	.3696	3.264
ev	.02216	.01351	.0008	.0003	.022
%RSD	184.59	750.83	1.429	.0817	.6802
#1	.02767	-.00776	.0542	.3694	3.249
#2	-.00366	.01136	.0531	.3698	3.280
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	6071	--	--	--	--	--	--
SDev	88.44497	--	--	--	--	--	--
%RSD	1.456743	--	--	--	--	--	--
#1	6009	--	--	--	--	--	--
#2	6134	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DL3G3 Operator: KT
Run Time: 09/29/00 01:30:25
C ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.13295	.00426	-.00674	226.94	.04004	1.7822	.00659
SDev	.00212	.00192	.00088	.15	.00045	.0116	.00025
%RSD	1.5960	45.057	13.029	.06708	1.1330	.64957	3.8232
#1	.13145	.00562	-.00736	226.83	.04036	1.7740	.00677
#2	.13445	.00290	-.00612	227.04	.03972	1.7904	.00641
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00060	37.275	.28095	.13432	.27561	271.52	57.995
SDev	.00086	.147	.00144	.00061	.00044	.67	.453
%RSD	144.30	.39414	.51155	.45595	.16154	.24562	.78040
#1	-.00121	37.171	.27993	.13475	.27593	271.04	57.675
#2	.00001	37.379	.28196	.13388	.27530	271.99	58.315
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	6.1053	.00489	.19629	-.00160	7.0194	-.00105	14.873
SDev	.0770	.00715	.00164	.00006	.3221	.01075	.054
%RSD	1.2609	146.23	.83651	3.9371	4.5892	1025.3	.36617
#1	6.0508	.00995	.19746	-.00155	7.2472	-.00865	14.835
#2	6.1597	-.00017	.19513	-.00164	6.7916	.00656	14.912
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	.58425	.73828	.01501	-.01316	.00610	.13970	.12958
SDev	.00077	.00813	.00438	.00555	.00847	.00654	.00645
%RSD	.13247	1.1005	29.159	42.149	138.82	4.6848	4.9766
#1	.58371	.73253	.01192	-.01708	.01209	.14433	.12502
#2	.58480	.74402	.01811	-.00924	.00011	.13507	.13414
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	.00898	.00190	.0699	.4485	3.577
SDev	.01532	.00477	.0005	.0034	.020
%RSD	170.69	250.52	.7060	.7580	.5519
#1	.01981	-.00147	.0695	.4461	3.563
#2	-.00186	.00528	.0702	.4509	3.591
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	6052	--	--	--	--	--	--
SDev	73.87850	--	--	--	--	--	--
%RSD	1.220785	--	--	--	--	--	--
#1	5999	--	--	--	--	--	--
#2	6104	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DL3G6 Operator: KT
Run Time: 09/29/00 01:38:31
C ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03790	.00671	-.00494	134.25	.03577	.64390	.00440
SDev	.00269	.00337	.00822	.17	.00037	.00157	.00009
%RSD	7.0898	50.234	166.36	.12708	1.0404	.24376	2.0855
#1	.03600	.00433	-.01076	134.37	.03604	.64279	.00446
#2	.03980	.00910	.00087	134.12	.03551	.64501	.00434
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00455	45.007	.24444	.07919	.11043	206.57	59.910
SDev	.00048	.267	.00259	.00019	.00108	.69	.257
%RSD	10.492	.59421	1.0584	.24578	.98003	.33220	.42867
#1	-.00489	44.817	.24261	.07932	.11119	206.08	59.729
#2	-.00421	45.196	.24627	.07905	.10966	207.05	60.092
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	2.5475	.00738	.13055	-.00150	6.0183	-.00374	15.565
SDev	.0295	.00547	.00105	.00029	.1898	.00800	.031
%RSD	1.1573	74.196	.80582	19.133	3.1533	214.10	.19743
#1	2.5267	.01125	.12980	-.00130	6.1525	-.00939	15.544
#2	2.5684	.00351	.13129	-.00170	5.8842	.00192	15.587
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	.38950	.49024	.01158	-.01038	.00594	.04653	.03359
SDev	.00166	.00630	.00469	.01335	.00203	.00175	.00490
%RSD	.42606	1.2844	40.461	128.62	34.257	3.7508	14.587
#1	.38833	.48579	.01490	-.01981	.00738	.04776	.03012
#2	.39068	.49470	.00827	-.00094	.00450	.04530	.03705
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	.00370	.00822	.0356	.3060	2.950
ev	.00474	.00742	.0005	.0013	.004
%RSD	128.14	90.349	1.459	.4304	.1475
#1	.00706	.00297	.0360	.3050	2.947
#2	.00035	.01347	.0352	.3069	2.953
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	5946	--	--	--	--	--	--
SDev	89.32195	--	--	--	--	--	--
%RSD	1.502270	--	--	--	--	--	--
#1	5883	--	--	--	--	--	--
#2	6009	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DL3G7 Operator: KT
Run Time: 09/29/00 01:46:36
C ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.10382	.00254	-.00528	210.84	.04207	1.8913	.00639
SDev	.00233	.00152	.00540	.03	.00851	.0012	.00027
%RSD	2.2443	59.893	102.27	.01596	20.234	.06088	4.1616
#1	.10217	.00362	-.00911	210.81	.03605	1.8905	.00658
#2	.10546	.00147	-.00146	210.86	.04809	1.8921	.00620
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	-.00063	57.021	.29308	.10721	.24100	259.40	57.226
SDev	.00010	.286	.00214	.00113	.00098	.53	.191
%RSD	15.184	.50215	.72892	1.0584	.40763	.20514	.33394
#1	-.00056	56.818	.29157	.10801	.24170	259.03	57.090
#2	-.00070	57.223	.29459	.10641	.24031	259.78	57.361
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	3.7528	.00046	.16874	-.00167	7.2493	-.00245	14.300
SDev	.0369	.00035	.00071	.00061	.1629	.00750	.002
%RSD	.98393	76.491	.42308	36.614	2.2472	305.79	.01576
#1	3.7267	.00021	.16823	-.00124	7.3644	-.00776	14.299
#2	3.7789	.00071	.16924	-.00210	7.1341	.00285	14.302
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.54629	.65889	.02256	-.00910	.00236	.11194	.09976
SDev	.00222	.00560	.00441	.01095	.00569	.00457	.00577
%RSD	.40591	.84987	19.528	120.25	240.98	4.0833	5.7892
#1	.54472	.65493	.01944	-.01684	.00639	.11518	.09567
#2	.54786	.66285	.02567	-.00136	-.00166	.10871	.10384
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	.00336	.00213	.0561	.5047	3.495
SDev	.00187	.00135	.0006	.0013	.007
%RSD	55.642	63.238	1.087	.2567	.1908
#1	.00469	.00309	.0557	.5038	3.490
#2	.00204	.00118	.0566	.5056	3.500
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	5903	--	--	--	--	--	--
SDev	81.11944	--	--	--	--	--	--
%RSD	1.374300	--	--	--	--	--	--
#1	5845	--	--	--	--	--	--
#2	5960	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DL3G8 Operator: KT
Run Time: 09/29/00 01:54:41
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02960	.00556	-.00313	102.87	.02857	.67749	.00291
SDev	.00005	.00356	.00734	.09	.00167	.00082	.00022
%RSD	.17513	64.163	234.74	.08795	5.8274	.12039	7.4248
#1	.02956	.00808	-.00832	102.94	.02974	.67692	.00306
#2	.02964	.00303	.00206	102.81	.02739	.67807	.00276
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	-.00462	33.920	.18876	.06807	.11615	166.60	49.149
SDev	.00021	.171	.00121	.00012	.00144	.44	.196
%RSD	4.6513	.50303	.63892	.17051	1.2404	.26258	.39906
#1	-.00447	33.799	.18791	.06799	.11717	166.29	49.010
#2	-.00477	34.041	.18961	.06815	.11513	166.91	49.288
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	2.2910	.00362	.11665	-.00089	4.4141	-.00462	11.689
SDev	.0274	.00165	.00043	.00059	.1711	.00323	.002
%RSD	1.1940	45.672	.36752	66.300	3.8764	70.004	.01909
#1	2.2717	.00478	.11635	-.00047	4.5351	-.00690	11.688
#2	2.3104	.00245	.11696	-.00131	4.2931	-.00233	11.691
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	.30926	.41263	.01428	-.00542	.00147	.03718	.02581
SDev	.00217	.00430	.01345	.01068	.00065	.00281	.00148
%RSD	.70042	1.0423	94.150	196.98	44.495	7.5428	5.7257
#1	.30773	.40959	.02379	-.01297	.00101	.03917	.02477
#2	.31079	.41567	.00477	.00213	.00193	.03520	.02686
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	.00916	.00376	.0261	.2673	2.798
SDev	.01437	.00183	.0009	.0008	.008
%RSD	156.85	48.740	3.579	.3159	.3023
#1	.01932	.00246	.0254	.2667	2.792
#2	-.00100	.00505	.0268	.2679	2.804
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	6146	--	--	--	--	--	--
SDev	92.97038	--	--	--	--	--	--
%RSD	1.512821	--	--	--	--	--	--
#1	6080	--	--	--	--	--	--
#2	6211	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DL3G9 Operator: KT
Run Time: 09/29/00 02:02:47
C ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.3878	.00017	.00056	282.49	.08465	1.6543	.01793
SDev	.0208	.00420	.00453	.28	.00344	.0084	.00008
%RSD	.86965	2417.8	804.83	.09866	4.0622	.50968	.46349
#1	2.3731	.00314	-.00264	282.69	.08222	1.6484	.01799
#2	2.4025	-.00280	.00377	282.29	.08708	1.6603	.01788
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	.05652	179.42	.36265	.14887	11.027	488.42	42.430
SDev	.00178	.58	.00292	.00050	.025	.72	.262
%RSD	3.1443	.32110	.80370	.33855	.22591	.14768	.61796
#1	.05527	179.01	.36059	.14922	11.044	487.91	42.245
#2	.05778	179.82	.36471	.14851	11.009	488.93	42.616
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	11.905	.02841	1.3155	-.00067	57.579	-.00775	12.247
SDev	.116	.00369	.0118	.00042	.256	.00629	.024
%RSD	.97543	12.979	.89799	62.768	.44487	81.132	.19992
#1	11.822	.03102	1.3072	-.00037	57.760	L-.01220	12.230
#2	11.987	.02580	1.3239	-.00097	57.397	-.00331	12.265
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	1.4843	.87396	.09856	-.00651	.01473	2.4227	2.3704
SDev	.0029	.00526	.00363	.00999	.00640	.0169	.0396
%RSD	.19714	.60143	3.6832	153.47	43.481	.69630	1.6687
#1	1.4823	.87024	.09599	-.01357	.01926	2.4346	2.3424
#2	1.4864	.87767	.10113	.00055	.01020	2.4107	2.3984
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	.00961	-.00454	.1735	1.411	10.75
SDev	.01204	.00029	.0036	.008	.12
%RSD	125.32	6.3245	2.097	.5955	1.143
#1	.01812	-.00433	.1709	1.405	10.67
#2	.00109	-.00474	.1761	1.417	10.84
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	5691	--	--	--	--	--	--
SDev	67.14683	--	--	--	--	--	--
%RSD	1.179828	--	--	--	--	--	--
#1	5644	--	--	--	--	--	--
#2	5739	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DL3GC Operator: KT
Run Time: 09/29/00 02:10:52
C ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02878	.00319	-.00526	116.11	.02815	.54273	.00336
SDev	.00061	.00331	.00041	.06	.00004	.00190	.00006
%RSD	2.1141	103.68	7.7117	.05125	.15461	.35032	1.9419
#1	.02921	.00085	-.00555	116.07	.02818	.54138	.00340
#2	.02835	.00553	-.00497	116.15	.02812	.54407	.00331
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	-.00402	34.661	.24990	.07333	.11674	191.61	57.677
SDev	.00077	.162	.00080	.00069	.00097	.39	.320
%RSD	19.040	.46670	.31869	.93640	.83068	.20163	.55423
#1	-.00456	34.547	.24934	.07381	.11743	191.34	57.451
#2	-.00348	34.776	.25046	.07284	.11606	191.89	57.903
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	2.2999	.00492	.13577	-.00087	4.6349	.00662	14.087
SDev	.0234	.00347	.00030	.00002	.1202	.00259	.036
%RSD	1.0174	70.552	.22408	2.0139	2.5929	39.137	.25803
#1	2.2834	.00737	.13598	-.00088	4.7198	.00479	14.062
#2	2.3165	.00247	.13555	-.00086	4.5499	.00845	14.113
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.36797	.48431	.01569	-.00821	.00065	.03778	.02428
SDev	.00099	.00423	.00010	.00304	.00487	.00741	.00279
%RSD	.26870	.87432	.66223	36.996	748.37	19.620	11.485
#1	.36728	.48131	.01576	-.01036	.00409	.04302	.02231
#2	.36867	.48730	.01561	-.00606	-.00279	.03254	.02625
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	.00230	.00364	.0287	.2735	2.509
SDev	.01029	.01010	.0022	.0014	.000
%RSD	446.45	277.65	7.843	.5160	.0032
#1	.00958	-.00350	.0271	.2725	2.509
#2	-.00497	.01078	.0303	.2745	2.509
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	80.27078	--	--	--	--	--	--
%RSD	1.298233	--	--	--	--	--	--
#1	6126	--	--	--	--	--	--
#2	6240	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DL3GD Operator: KT
Run Time: 09/29/00 02:18:57
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.08056	.00386	-.00868	190.54	.05198	1.3630	.00579
SDev	.00694	.00160	.01166	.78	.00436	.0225	.00051
%RSD	8.6120	41.355	134.32	.41182	8.3854	1.6511	8.8417
#1	.07566	.00499	-.01692	189.98	.05506	1.3471	.00615
#2	.08547	.00273	-.00044	191.09	.04890	1.3789	.00542
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	-.00340	45.890	.25107	.10661	.23726	254.55	56.359
SDev	.00023	.568	.00709	.00335	.00087	2.20	1.172
%RSD	6.6895	1.2386	2.8219	3.1442	.36736	.86543	2.0798
#1	-.00356	45.488	.24606	.10424	.23788	252.99	55.530
#2	-.00324	46.292	.25608	.10898	.23665	256.11	57.187
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	2.8759	.00586	.16770	-.00036	5.9754	-.00420	14.573
SDev	.1070	.01078	.00521	.00209	.4109	.00662	.091
%RSD	3.7195	183.87	3.1061	588.03	6.8765	157.82	.62666
#1	2.8002	.01348	.16402	.00112	6.2660	-.00888	14.508
#2	2.9515	-.00176	.17138	-.00183	5.6849	.00049	14.637
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.48917	.58864	.02896	-.01910	.01220	.10058	.07057
SDev	.00435	.02427	.02286	.02452	.01411	.01912	.01995
%RSD	.88959	4.1229	78.962	128.36	115.64	19.009	28.265
#1	.48609	.57148	.04513	-.03644	.02217	.11410	.05647
#2	.49225	.60580	.01279	-.00176	.00222	.08706	.08468
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	.01568	-.00204	.0424	.4827	3.559
SDev	.03920	.01718	.0023	.0102	.083
%RSD	250.03	842.01	5.465	2.117	2.324
#1	.04340	-.01419	.0407	.4754	3.501
#2	-.01204	.01011	.0440	.4899	3.618
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	6071	--	--	--	--	--	--
SDev	50.28952	--	--	--	--	--	--
%RSD	.8283182	--	--	--	--	--	--
#1	6036	--	--	--	--	--	--
#2	6107	--	--	--	--	--	--

Method: QTESTNAK Sample Name: CCVT Operator: KT
Run Time: 09/29/00 02:27:03
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.48729	.47904	.48616	23.582	.48574	1.9608	2.0602
SDev	.00283	.00034	.00137	.048	.00594	.0001	.0058
%RSD	.58161	.07161	.28141	.20376	1.2233	.00552	.28207
#1	.48529	.47880	.48519	23.616	.48154	1.9609	2.0643
#2	.48930	.47928	.48712	23.548	.48994	1.9608	2.0561
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	.50715	103.84	2.0752	2.0175	1.8836	25.671	100.28
SDev	.00092	.63	.0019	.0032	.0004	.083	.05
%RSD	.18172	.60315	.09174	.15742	.02093	.32455	.05425
#1	.50649	104.28	2.0765	2.0198	1.8833	25.730	100.32
#2	.50780	103.39	2.0738	2.0153	1.8838	25.612	100.24
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	2.0653	1.9648	2.0149	.98672	47.445	.94310	2.0239
SDev	.0029	.0180	.0019	.00558	.198	.00330	.0068
%RSD	.14262	.91847	.09603	.56576	.41638	.35018	.33534
#1	2.0673	1.9521	2.0136	.99067	47.584	.94544	2.0287
#2	2.0632	1.9776	2.0163	.98278	47.305	.94077	2.0191
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	2.0466	2.0681	1.8844	.48504	.48840	.48688	.48750
SDev	.0090	.0050	.0048	.00270	.00130	.00143	.00354
%RSD	.44186	.24002	.25429	.55704	.26688	.29259	.72572
#1	2.0530	2.0716	1.8810	.48313	.48932	.48587	.48500
#2	2.0402	2.0646	1.8878	.48695	.48748	.48789	.49000
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	.49067	.47323	1.948	2.008	1.930
SDev	.00248	.00073	.006	.001	.010
%RSD	.50651	.15351	.3198	.0692	.5430
#1	.48891	.47375	1.943	2.009	1.937
#2	.49242	.47272	1.952	2.007	1.922
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	5945	--	--	--	--	--	--
SDev	14.14214	--	--	--	--	--	--
%RSD	.2378781	--	--	--	--	--	--
#1	5935	--	--	--	--	--	--
#2	5955	--	--	--	--	--	--

Analysis Report QC Standard 09/29/00 02:41:02 AM page 1

Method: QTESTNAK Sample Name: CCBT. Operator: KT
Run Time: 09/29/00 02:35:08
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00225	-.00153	-.00062	-.05925	.00585	.00013	-.00010
SDev	.00146	.00228	.00038	.01547	.00025	.00000	.00000
%RSD	64.848	149.65	61.378	26.110	4.3107	.32581	2.0266
#1	-.00329	.00009	-.00088	-.04831	.00603	.00013	-.00009
#2	-.00122	-.00314	-.00035	-.07019	.00567	.00013	-.00010
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	-.00044	.01751	.00076	.00012	-.00037	.02355	.00755
SDev	.00007	.00035	.00013	.00000	.00039	.00356	.00176
%RSD	15.585	2.0141	17.037	.75287	106.04	15.100	23.301
#1	-.00049	.01776	.00085	.00012	-.00065	.02607	.00631
#2	-.00040	.01726	.00067	.00012	-.00009	.02104	.00879
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	-.00003	.00104	.00167	.00083	.44724	.00270	.00098
SDev	.00000	.00001	.00000	.00008	.05517	.00108	.00038
%RSD	2.0249	.80930	.00000	9.2343	12.336	39.929	39.371
#1	-.00003	.00105	.00167	.00088	.40823	.00346	.00071
#2	-.00003	.00103	.00167	.00077	.48625	.00194	.00125
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	-.00008	.00031	-.00467	-.00184	.00184	-.00075	-.00300
SDev	.00000	.00001	.00004	.00071	.00028	.00031	.00204
%RSD	1.7086	2.4419	.84445	38.491	15.464	41.351	67.788
#1	-.00008	.00032	-.00470	-.00234	.00204	-.00097	-.00445
#2	-.00008	.00031	-.00465	-.00134	.00164	-.00053	-.00156
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.00000	.00000	.00000				
Range	.05000	.02000	.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
ge	.00969	-.00713	.0029	<.0000	<.0000
SDev	.00521	.00603	.0000	.0000	.0016
%RSD	53.769	84.552	.1000	.0000	10.05
#1	.00601	-.00287	.0029	<.0000	<.0000
#2	.01338	-.01139	.0029	<.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	6136	--	--	--	--	--	--
SDev	9.531786	--	--	--	--	--	--
%RSD	.1553415	--	--	--	--	--	--
#1	6129	--	--	--	--	--	--
#2	6143	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DL3GE Operator: KT
Run Time: 09/29/00 02:41:06
C nent:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03415	.00737	-.00594	127.16	.03535	.67738	.00399
SDev	.00242	.00291	.00078	2.01	.00546	.01345	.00015
%RSD	7.0926	39.402	13.197	1.5807	15.456	1.9852	3.7957
#1	.03244	.00532	-.00649	125.74	.03149	.66787	.00409
#2	.03586	.00943	-.00538	128.58	.03922	.68689	.00388
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	-.00220	35.567	.23194	.08290	.12621	193.92	56.415
SDev	.00003	.801	.00571	.00124	.00185	3.59	1.227
%RSD	1.2220	2.2510	2.4621	1.4909	1.4658	1.8511	2.1749
#1	-.00222	35.001	.22790	.08202	.12490	191.38	55.547
#2	-.00218	36.133	.23598	.08377	.12752	196.46	57.283
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	2.5678	.00723	.14182	-.00122	5.3342	-.00512	14.004
SDev	.0734	.00351	.00173	.00049	.0153	.00180	.240
%RSD	2.8602	48.622	1.2185	40.323	.28645	35.121	1.7125
#1	2.5159	.00972	.14059	-.00087	5.3234	-.00639	13.835
#2	2.6198	.00474	.14304	-.00157	5.3450	-.00385	14.174
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	.37383	.47776	.01254	-.00799	-.00181	.04211	.03017
SDev	.00614	.01286	.00490	.00329	.00424	.00074	.00326
%RSD	1.6431	2.6907	39.079	41.195	234.16	1.7612	10.808
#1	.36949	.46867	.01601	-.01032	.00119	.04159	.02787
#2	.37818	.48685	.00907	-.00567	-.00481	.04264	.03248
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	.00509	.00851	.0334	.3230	2.501
SDev	.00130	.00501	.0042	.0067	.051
%RSD	25.623	58.829	12.60	2.082	2.052
#1	.00602	.00497	.0304	.3182	2.465
#2	.00417	.01205	.0363	.3277	2.537
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	5827	--	--	--	--	--	--
SDev	8.456969	--	--	--	--	--	--
%RSD	.1451427	--	--	--	--	--	--
#1	5833	--	--	--	--	--	--
#2	5821	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DL3GF Operator: KT
Run Time: 09/29/00 02:49:12
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.10070	.00298	-.00308	193.57	.13319	1.3709	.00576
SDev	.00390	.00451	.00467	.05	.00082	.0015	.00024
%RSD	3.8765	151.28	151.83	.02528	.61394	.11177	4.1995
#1	.09794	-.00021	-.00638	193.60	.13377	1.3698	.00593
#2	.10346	.00617	.00023	193.53	.13261	1.3720	.00559
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	-.00216	48.441	.27315	.11215	.23476	250.06	57.658
SDev	.00017	.228	.00234	.00056	.00191	.47	.234
%RSD	7.8214	.47135	.85711	.50080	.81453	.18626	.40586
#1	-.00204	48.279	.27149	.11175	.23611	249.73	57.493
#2	-.00228	48.602	.27480	.11254	.23341	250.39	57.824
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.0432	.00148	.17786	-.00142	5.1428	-.00022	14.301
SDev	.0432	.00527	.00000	.00045	.1446	.00194	.004
%RSD	.85565	355.08	.00036	31.469	2.8122	899.96	.02651
#1	5.0127	.00521	.17786	-.00110	5.2451	.00116	14.303
#2	5.0737	-.00224	.17786	-.00173	5.0405	-.00159	14.298
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	.50957	.67105	.01948	-.00622	.00321	.10652	.09780
SDev	.00057	.00689	.00919	.00796	.00192	.00452	.00811
%RSD	.11208	1.0267	47.179	128.06	59.645	4.2415	8.2905
#1	.50917	.66618	.02598	-.01185	.00457	.10971	.09207
#2	.50997	.67592	.01298	-.00059	.00186	.10332	.10354
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	.00193	.00351	.0461	.4338	3.664
SDev	.00164	.00594	.0021	.0014	.010
%RSD	84.975	169.47	4.547	.3322	.2833
#1	.00077	-.00070	.0446	.4328	3.671
#2	.00308	.00771	.0476	.4348	3.657
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	6078	--	--	--	--	--	--
SDev	75.60381	--	--	--	--	--	--
%RSD	1.243815	--	--	--	--	--	--
#1	6025	--	--	--	--	--	--
#2	6132	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DL3GJ Operator: KT
Run Time: 09/29/00 02:57:17
C ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04541	.00035	-.00610	120.35	.04346	.66043	.00380
SDev	.00148	.00003	.00089	.17	.00235	.00296	.00023
%RSD	3.2583	7.3388	14.656	.13867	5.4030	.44774	6.0345
#1	.04436	.00037	-.00674	120.23	.04512	.65834	.00396
#2	.04646	.00033	-.00547	120.46	.04180	.66252	.00364
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	-.00350	34.492	.23994	.07664	.14280	208.59	55.415
SDev	.00120	.189	.00255	.00083	.00060	.68	.249
%RSD	34.268	.54936	1.0648	1.0854	.41652	.32490	.44882
#1	-.00265	34.358	.23813	.07605	.14322	208.11	55.240
#2	-.00435	34.626	.24174	.07722	.14238	209.07	55.591
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	2.5326	.01295	.13918	-.00105	5.8916	-.00420	13.931
SDev	.0267	.00175	.00028	.00014	.0304	.00124	.009
%RSD	1.0551	13.517	.19909	12.928	.51680	29.417	.06642
#1	2.5137	.01419	.13898	-.00096	5.9131	-.00507	13.924
#2	2.5515	.01171	.13938	-.00115	5.8700	-.00333	13.937
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	.40383	.50240	.01222	-.01025	.00220	.05393	.04115
SDev	.00334	.00455	.00463	.00230	.00191	.00033	.00238
%RSD	.82695	.90573	37.920	22.398	86.799	.61982	5.7957
#1	.40147	.49918	.01550	-.01187	.00356	.05417	.03947
#2	.40619	.50561	.00894	-.00863	.00085	.05370	.04284
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	.00218	-.00056	.0324	.3096	2.621
SDev	.00178	.00085	.0009	.0014	.017
%RSD	81.385	150.27	2.783	.4448	.6333
#1	.00344	-.00117	.0317	.3086	2.610
#2	.00093	.00004	.0330	.3105	2.633
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	6007	--	--	--	--	--	--
SDev	84.79619	--	--	--	--	--	--
%RSD	1.411689	--	--	--	--	--	--
#1	5947	--	--	--	--	--	--
#2	6067	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DL3GK Operator: KT
R··n Time: 09/29/00 03:05:23
C ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03155	.00151	-.00364	87.172	.10457	4.8508	.00200
SDev	.00161	.00129	.00208	.189	.00085	.0102	.00034
%RSD	5.1166	85.188	56.984	.21643	.81636	.21006	16.959
#1	.03040	.00242	-.00511	87.305	.10397	4.8436	.00224
#2	.03269	.00060	-.00218	87.038	.10518	4.8580	.00176
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	.00102	240.53	.42371	.12681	.18363	262.70	102.26
SDev	.00043	.99	.00078	.00090	.00144	.47	.45
%RSD	42.583	.41017	.18327	.70871	.78211	.17783	.44221
#1	.00071	239.83	.42316	.12745	.18464	262.37	101.94
#2	.00132	241.22	.42426	.12618	.18261	263.03	102.58
rrors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.3281	.01596	.24276	.00019	6.7389	-.00199	3.4768
SDev	.0289	.00535	.00293	.00061	.4395	.00638	.0102
%RSD	.86842	33.491	1.2055	325.47	6.5225	320.22	.29268
#1	3.3077	.01974	.24483	.00062	7.0497	-.00650	3.4696
#2	3.3486	.01218	.24070	-.00024	6.4281	.00252	3.4840
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	.55384	.51586	.02076	-.00819	.00546	.04662	.02402
SDev	.00118	.00499	.00431	.00557	.00492	.00577	.00530
%RSD	.21279	.96672	20.782	67.993	90.035	12.368	22.056
#1	.55301	.51233	.01771	-.01213	.00894	.05069	.02028
#2	.55468	.51939	.02381	-.00425	.00199	.04254	.02777
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	.00515	-.00030	.0297	.3863	3.422
SDev	.00752	.00182	.0010	.0012	.003
%RSD	145.97	600.47	3.233	.3139	.0975
#1	.01047	-.00159	.0290	.3854	3.420
#2	-.00017	.00098	.0304	.3871	3.424
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	6175	--	--	--	--	--	--
SDev	74.95332	--	--	--	--	--	--
%RSD	1.213795	--	--	--	--	--	--
#1	6122	--	--	--	--	--	--
#2	6228	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DL3GM Operator: KT
Run Time: 09/29/00 03:13:28
C ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03418	.00306	-.00589	103.66	.03340	.72899	.00315
SDev	.00015	.00074	.00451	.24	.00059	.00105	.00020
%RSD	.43121	24.236	76.569	.23376	1.7761	.14458	6.3540
#1	.03429	.00254	-.00908	103.49	.03381	.72825	.00329
#2	.03408	.00359	-.00270	103.83	.03298	.72974	.00301
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	-.00347	30.392	.20446	.06832	.09396	169.59	47.772
SDev	.00078	.257	.00134	.00112	.00041	.87	.170
%RSD	22.351	.84617	.65568	1.6379	.43407	.51305	.35657
#1	-.00402	30.210	.20351	.06911	.09425	168.98	47.651
#2	-.00292	30.574	.20541	.06753	.09368	170.21	47.892
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	2.1262	.00643	.12688	-.00051	6.0806	-.00467	12.088
SDev	.0203	.00170	.00014	.00038	.1262	.00366	.042
%RSD	.95396	26.432	.11376	73.681	2.0748	78.255	.34848
#1	2.1118	.00763	.12677	-.00024	6.1698	-.00726	12.058
#2	2.1405	.00522	.12698	-.00078	5.9914	-.00209	12.118
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	.34332	.44812	.01081	-.00985	.00205	.04108	.03074
SDev	.00231	.00417	.00004	.00908	.00465	.00211	.00083
%RSD	.67302	.92949	.36647	92.181	226.86	5.1374	2.7078
#1	.34169	.44518	.01084	-.01627	.00534	.04257	.03016
#2	.34496	.45107	.01078	-.00343	-.00124	.03958	.03133
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	.00453	.00233	.0283	.2812	2.591
SDev	.00503	.00140	.0010	.0009	.001
%RSD	111.13	60.037	3.685	.3320	.0239
#1	.00097	.00332	.0276	.2806	2.591
#2	.00809	.00134	.0290	.2819	2.592
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	6070	--	--	--	--	--	--
SDev	63.95070	--	--	--	--	--	--
%RSD	1.053501	--	--	--	--	--	--
#1	6025	--	--	--	--	--	--
#2	6116	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DL3GN Operator: KT
Run Time: 09/29/00 03:21:34
C ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03336	.00392	-.00414	169.30	.02428	1.0790	.00494
SDev	.00021	.00390	.00183	.11	.00472	.0039	.00010
%RSD	.63252	99.380	44.235	.06295	19.448	.35887	1.9476
#1	.03321	.00668	-.00543	169.37	.02762	1.0762	.00500
#2	.03350	.00117	-.00284	169.22	.02094	1.0817	.00487
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	38.618	.21615	.09805	.14517	230.18	55.411
SDev	.00004	.154	.00281	.00042	.00089	.37	.326
%RSD	.90722	.39843	1.3011	.42462	.61118	.16101	.58886
#1	-.00398	38.509	.21416	.09775	.14580	229.91	55.180
#2	-.00403	38.727	.21814	.09834	.14454	230.44	55.642
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	4.1051	-.00017	.14172	-.00154	4.3236	-.00212	15.089
SDev	.0479	.00515	.00232	.00066	.2014	.00490	.007
%RSD	1.1669	3009.8	1.6361	42.856	4.6574	231.44	.04644
#1	4.0712	.00347	.14008	-.00107	4.4659	-.00559	15.084
#2	4.1390	-.00381	.14336	-.00201	4.1812	.00135	15.094
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	.46594	.47385	.01046	-.00798	.00357	.04072	.02968
SDev	.00314	.00364	.00449	.00356	.00164	.00624	.00343
%RSD	.67494	.76812	42.877	44.611	45.924	15.322	11.563
#1	.46372	.47128	.01363	-.01050	.00472	.04514	.02725
#2	.46817	.47643	.00729	-.00546	.00241	.03631	.03210
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	.00680	.00248	.0296	.3694	3.428
SDev	.00235	.00467	.0009	.0020	.001
%RSD	34.613	187.98	3.035	.5383	.0209
#1	.00847	.00578	.0290	.3680	3.427
#2	.00514	-.00082	.0302	.3708	3.428
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	6188	--	--	--	--	--	--
SDev	87.82280	--	--	--	--	--	--
%RSD	1.419129	--	--	--	--	--	--
#1	6126	--	--	--	--	--	--
#2	6251	--	--	--	--	--	--

Analysis Report 09/29/00 03:35:33 AM page 1

Method: QTESTNAK Sample Name: DL3GP Operator: KT
Run Time: 09/29/00 03:29:39
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03596	.00148	-.00145	91.295	.02268	.69600	.00239
SDev	.00071	.00213	.00076	.250	.00081	.00065	.00035
%RSD	1.9690	143.96	52.141	.27338	3.5518	.09375	14.536
#1	.03546	.00299	-.00199	91.471	.02211	.69554	.00264
#2	.03647	-.00003	-.00092	91.118	.02324	.69646	.00215
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	-.00283	26.192	.17358	.05908	.08001	148.10	45.084
SDev	.00050	.130	.00051	.00194	.00082	.18	.076
%RSD	17.556	.49504	.29080	3.2772	1.0293	.11941	.16819
#1	-.00318	26.100	.17394	.06045	.08059	147.98	45.030
#2	-.00248	26.283	.17322	.05772	.07943	148.23	45.137
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	1.9508	.00695	.11106	-.00037	5.3992	.00493	10.940
SDev	.0158	.00175	.00082	.00022	.2272	.00557	.013
%RSD	.81237	25.221	.73946	57.869	4.2073	113.02	.12188
#1	1.9396	.00819	.11164	-.00022	5.5598	.00099	10.950
#2	1.9620	.00571	.11048	-.00052	5.2385	.00887	10.931
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	.28189	.39869	.01185	-.00387	.00338	.04276	.03257
SDev	.00013	.00407	.00889	.00205	.00183	.00267	.00239
%RSD	.04595	1.0220	74.980	53.017	54.145	6.2417	7.3503
#1	.28198	.39581	.00557	-.00531	.00468	.04465	.03088
#2	.28180	.40157	.01814	-.00242	.00209	.04087	.03427
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

002077

Units			ppm	ppm	ppm
Avge	.00750	-.00152	.0251	.2506	2.407
SDev	.01146	.00252	.0003	.0006	.006
%RSD	152.72	165.50	1.351	.2447	.2528
#1	.01561	-.00331	.0253	.2501	2.411
#2	-.00060	.00026	.0248	.2510	2.403
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6173	--	--	--	--	--	--
SDev	86.94582	--	--	--	--	--	--
%RSD	1.408486	--	--	--	--	--	--
#1	6112	--	--	--	--	--	--
#2	6234	--	--	--	--	--	--

Analysis Report 09/29/00 03:43:38 AM page 1

Method: QTESTNAK Sample Name: DL3GR Operator: KT
Run Time: 09/29/00 03:37:45
C ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06859	.00414	-.00565	214.51	.03903	1.3878	.00634
SDev	.00266	.00345	.00328	.65	.00615	.0103	.00009
%RSD	3.8746	83.252	58.057	.30402	15.745	.74155	1.3571
#1	.06671	.00170	-.00797	214.05	.03469	1.3805	.00641
#2	.07047	.00657	-.00333	214.97	.04338	1.3951	.00628
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	-.00201	43.232	.28641	.11555	.23728	256.14	57.206
SDev	.00035	.371	.00281	.00052	.00058	1.64	.489
%RSD	17.303	.85848	.98016	.44831	.24551	.63935	.85408
#1	-.00176	42.969	.28443	.11518	.23769	254.98	56.860
#2	-.00225	43.494	.28840	.11592	.23687	257.30	57.551
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.6877	.00241	.16722	-.00199	7.6084	.00241	15.064
SDev	.0723	.00146	.00260	.00044	.1152	.00556	.105
%RSD	1.2713	60.483	1.5560	22.083	1.5145	230.64	.69499
#1	5.6365	.00344	.16538	-.00168	7.6899	-.00152	14.990
#2	5.7388	.00138	.16906	-.00230	7.5270	.00635	15.138
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	.52676	.62264	.00911	-.01209	.00726	.07617	.06481
SDev	.00429	.00754	.00455	.00698	.00413	.00311	.00554
%RSD	.81375	1.2110	49.968	57.699	56.862	4.0835	8.5442
#1	.52373	.61731	.01233	-.01702	.01017	.07837	.06089
#2	.52979	.62797	.00589	-.00716	.00434	.07397	.06872
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	.00138	.00552	.0564	.3962	3.465
SDev	.00152	.00441	.0020	.0032	.014
%RSD	110.32	79.880	3.616	.8211	.4034
#1	.00030	.00240	.0550	.3939	3.455
#2	.00245	.00863	.0578	.3986	3.475
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	6184	--	--	--	--	--	--
SDev	63.78117	--	--	--	--	--	--
%RSD	1.031400	--	--	--	--	--	--
#1	6139	--	--	--	--	--	--
#2	6229	--	--	--	--	--	--

Analysis Report 09/29/00 03:51:44 AM page 1

Method: QTESTNAK Sample Name: DL3GW Operator: KT
Run Time: 09/29/00 03:45:50
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04732	.00530	-.00354	227.76	.02356	1.1363	.00603
SDev	.00136	.00276	.00175	.25	.00475	.0035	.00024
%RSD	2.8700	52.011	49.444	.10993	20.156	.30720	4.0731
#1	.04636	.00725	-.00478	227.94	.02020	1.1338	.00620
#2	.04828	.00335	-.00230	227.58	.02692	1.1387	.00585
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.00585	43.086	.29239	.10173	.20429	274.37	62.883
SDev	.00029	.277	.00251	.00033	.00128	.89	.394
%RSD	5.0071	.64193	.85913	.32728	.62744	.32466	.62631
#1	L-.00565	42.891	.29062	.10149	.20520	273.74	62.604
#2	L-.00606	43.282	.29417	.10196	.20338	275.00	63.161
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.9123	-.00149	.16000	-.00157	11.968	-.00137	15.591
SDev	.0478	.00668	.00213	.00050	.176	.00518	.051
%RSD	1.2208	448.11	1.3308	31.469	1.4687	377.65	.33008
#1	3.8785	.00323	.15849	-.00122	12.092	-.00503	15.555
#2	3.9461	-.00621	.16150	-.00193	11.843	.00229	15.628
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	.54294	.57614	.01716	-.00693	.00325	.05505	.04347
SDev	.00236	.00600	.02573	.00518	.00512	.00483	.00445
%RSD	.43425	1.0423	149.90	74.772	157.77	8.7801	10.237
#1	.54128	.57189	-.00103	-.01060	.00687	.05847	.04032
#2	.54461	.58038	.03535	-.00327	-.00038	.05164	.04661
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	.00464	.00564	.0460	.4788	4.264
SDev	.00895	.00033	.0020	.0023	.029
%RSD	193.07	5.9140	4.254	.4811	.6850
#1	.01096	.00540	.0446	.4772	4.244
#2	-.00169	.00587	.0474	.4804	4.285
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	6347	--	--	--	--	--	--
SDev	82.95764	--	--	--	--	--	--
%RSD	1.307017	--	--	--	--	--	--
#1	6288	--	--	--	--	--	--
#2	6406	--	--	--	--	--	--

Analysis Report 09/29/00 03:58:15 AM page 1

Method: QTESTNAK Sample Name: DL3GX Operator: KT
Run Time: 09/29/00 03:52:21
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04217	.00323	-.00586	213.57	.02286	1.6328	.00633
SDev	.00180	.00502	.00411	.21	.00066	.0067	.00010
%RSD	4.2617	155.47	70.077	.09641	2.9033	.40971	1.4957
#1	.04090	.00678	-.00877	213.42	.02333	1.6281	.00640
#2	.04344	-.00032	-.00296	213.71	.02239	1.6376	.00627
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.00546	26.532	.24651	.08682	.14892	221.77	46.690
SDev	.00025	.182	.00109	.00064	.00098	.58	.248
%RSD	4.5830	.68663	.44352	.73698	.65670	.26113	.53069
#1	L-.00528	26.403	.24573	.08727	.14961	221.36	46.515
#2	L-.00563	26.660	.24728	.08637	.14823	222.18	46.865
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.6054	.00294	.14724	-.00068	6.3730	.00079	14.351
SDev	.0460	.00337	.00100	.00044	.0742	.00194	.004
%RSD	.99894	114.76	.67819	65.260	1.1650	247.36	.03089
#1	4.5729	.00533	.14795	-.00037	6.4255	.00216	14.354
#2	4.6379	.00055	.14653	-.00099	6.3205	-.00059	14.348
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5.000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.44727	.50103	.01952	-.01103	.00448	.04675	.03988
SDev	.00099	.00448	.00016	.00954	.00678	.00345	.00441
%RSD	.22220	.89427	.83450	86.561	151.39	7.3724	11.070
#1	.44657	.49786	.01964	-.01777	.00927	.04918	.03676
#2	.44798	.50420	.01941	-.00428	-.00032	.04431	.04301
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	.00131	.00419	.0596	.3404	4.307
SDev	.02098	.00295	.0019	.0017	.011
%RSD	1603.0	70.351	3.189	.5113	.2543
#1	.01614	.00210	.0583	.3392	4.299
#2	-.01352	.00627	.0609	.3416	4.314
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	6235	--	--	--	--	--	--
SDev	73.28430	--	--	--	--	--	--
%RSD	1.175298	--	--	--	--	--	--
#1	6184	--	--	--	--	--	--
#2	6287	--	--	--	--	--	--

Analysis Report 09/29/00 04:04:46 AM page 1

Method: QTESTNAK Sample Name: CCVT Operator: KT
Run Time: 09/29/00 03:58:52
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49875	.48559	.49563	23.924	.48772	1.9902	2.1098
SDev	.00385	.00093	.00118	.028	.00103	.0045	.0034
%RSD	.77255	.19242	.23857	.11662	.21140	.22473	.15905
#1	.50147	.48493	.49480	23.944	.48699	1.9870	2.1122
#2	.49602	.48625	.49647	23.905	.48845	1.9933	2.1074
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	.51904	106.89	2.1322	2.0641	1.9019	26.299	102.17
SDev	.00026	.42	.0089	.0039	.0015	.058	.03
%RSD	.04927	.39361	.41621	.18784	.07698	.21865	.02864
#1	.51886	107.19	2.1384	2.0668	1.9008	26.340	102.15
#2	.51922	106.59	2.1259	2.0613	1.9029	26.258	102.19
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	2.1172	2.0121	2.0553	1.0106	47.930	.95375	2.0661
SDev	.0060	.0027	.0068	.0030	.166	.01446	.0017
%RSD	.28176	.13597	.33089	.30123	.34573	1.5160	.08346
#1	2.1214	2.0101	2.0601	1.0128	48.048	.94352	2.0649
#2	2.1130	2.0140	2.0505	1.0085	47.813	.96397	2.0674
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	2.0937	2.1180	1.9431	.49509	.49672	.49842	.49891
SDev	.0005	.0079	.0214	.00168	.00019	.00414	.00371
%RSD	.02224	.37455	1.1024	.33912	.03783	.83028	.74375
#1	2.0940	2.1236	1.9582	.49390	.49659	.50135	.50154
#2	2.0934	2.1124	1.9279	.49627	.49685	.49549	.49629
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	.49621	.48028	1.993	2.043	1.960
SDev	.00529	.00124	.004	.001	.005
%RSD	1.0655	.25790	.1950	.0322	.2347
#1	.49247	.48116	1.990	2.042	1.963
#2	.49995	.47940	1.996	2.043	1.957
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	5905	--	--	--	--	--	--
SDev	8.739743	--	--	--	--	--	--
%RSD	.1480123	--	--	--	--	--	--
#1	5899	--	--	--	--	--	--
#2	5911	--	--	--	--	--	--

Analysis Report QC Standard 09/29/00 04:12:52 AM page 1

Method: QTESTNAK Sample Name: CCBT' Operator: KT
P ˋ Time: 09/29/00 04:06:58
C ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00248	-.00035	.00234	-.03889	.00106	.00013	-.00019
SDev	.00127	.00076	.00195	.00911	.00288	.00000	.00015
%RSD	51.199	218.45	83.318	23.415	271.53	.63389	78.717
#1	-.00338	-.00089	.00373	-.03245	.00310	.00013	-.00009
#2	-.00158	.00019	.00096	-.04533	-.00098	.00013	-.00030
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	-.00012	.01883	.00087	.00067	-.00044	.02590	.00763
SDev	.00011	.00069	.00001	.00079	.00017	.00722	.00184
%RSD	90.426	3.6892	1.1526	118.58	38.271	27.864	24.127
#1	-.00004	.01932	.00088	.00011	-.00056	.02080	.00893
#2	-.00019	.01834	.00086	.00122	-.00032	.03101	.00633
rrors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00003	.00238	.00167	.00077	.37915	.00159	.00070
SDev	.00000	.00186	.00000	.00000	.02347	.00201	.00001
%RSD	4.3148	78.389	.00000	.01110	6.1914	126.20	.71225
#1	-.00003	.00370	.00167	.00077	.39575	.00017	.00069
#2	-.00003	.00106	.00167	.00077	.36255	.00301	.00070
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	.00029	-.00097	-.00801	.00228	.00247	-.00051	-.00347
SDev	.00051	.00001	.00458	.00236	.00115	.00251	.00065
%RSD	175.98	1.4285	57.225	103.21	46.469	489.31	18.807
#1	-.00007	-.00096	-.01125	.00395	.00328	-.00229	-.00393
#2	.00064	-.00098	-.00477	.00062	.00166	.00126	-.00301
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

002087

Units			ppm	ppm	ppm
Avge	.01234	-.00668	.0020	<.0000	<.0000
SDev	.00241	.00006	.0013	.0000	.0019
%RSD	19.484	.89798	67.40	.0000	10.29
#1	.01064	-.00664	.0029	<.0000	<.0000
#2	.01404	-.00673	.0010	<.0000	<.0000
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value			.0000	.0000	.0000
Range			.2000	.0500	.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6101	--	--	--	--	--	--
SDev	18.55430	--	--	--	--	--	--
%RSD	.3041410	--	--	--	--	--	--
#1	6087	--	--	--	--	--	--
#2	6114	--	--	--	--	--	--

Method: QTESTNAK Sample Name: CCVT Operator: KT
Run Time: 09/29/00 05:29:38
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49417	.48405	.48957	23.645	.48891	1.9619	2.0891
SDev	.00018	.00060	.00183	.068	.00369	.0060	.0025
%RSD	.03584	.12309	.37388	.28751	.75455	.30534	.11814
#1	.49430	.48363	.48827	23.693	.49152	1.9662	2.0908
#2	.49405	.48447	.49086	23.597	.48630	1.9577	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	.51448	105.94	2.1110	2.0423	1.8746	26.051	100.71
SDev	.00181	.03	.0041	.0032	.0075	.065	.28
%RSD	.35100	.03278	.19547	.15517	.39842	.25007	.27561
#1	.51575	105.96	2.1139	2.0446	1.8799	26.097	100.91
#2	.51320	105.91	2.1081	2.0401	1.8693	26.005	100.52
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	2.0978	1.9940	2.0367	.99871	47.393	.93504	2.0336
SDev	.0038	.0049	.0033	.00084	.153	.00031	.0064
%RSD	.18134	.24380	.16116	.08367	.32283	.03310	.31374
#1	2.1004	1.9906	2.0390	.99930	47.501	.93482	2.0381
#2	2.0951	1.9974	2.0343	.99812	47.285	.93526	2.0291
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	2.0670	2.0963	1.9261	.49107	.48656	.49835	.49209
SDev	.0038	.0021	.0185	.00047	.00644	.00150	.00049
%RSD	.18408	.09838	.95843	.09623	1.3242	.30148	.09847
#1	2.0697	2.0977	1.9391	.49140	.48200	.49942	.49174
#2	2.0643	2.0948	1.9130	.49073	.49111	.49729	.49243
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	.49765	.47727	1.962	2.019	1.934
SDev	.00610	.00215	.001	.006	.013
%RSD	1.2261	.45109	.0443	.2920	.6806
#1	.49333	.47879	1.961	2.023	1.944
#2	.50196	.47574	1.962	2.015	1.925
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	5886	--	--	--	--	--	--
SDev	13.85902	--	--	--	--	--	--
%RSD	.2354445	--	--	--	--	--	--
#1	5877	--	--	--	--	--	--
#2	5896	--	--	--	--	--	--

Analysis Report QC Standard 09/29/00 05:43:37 AM page 1

Method: QTESTNAK Sample Name: CCBT' Operator: KT
Run Time: 09/29/00 05:37:44
C ment:
l .e: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00226	-.00103	-.00033	-.06325	.00572	.00013	-.00007
SDev	.00027	.00296	.00132	.01226	.00062	.00000	.00000
%RSD	12.120	287.17	399.31	19.385	10.783	.22786	1.4241
#1	-.00246	.00106	-.00126	-.07192	.00616	.00013	-.00007
#2	-.00207	-.00312	.00060	-.05458	.00529	.00013	-.00007
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	-.00025	.02147	.00046	-.00047	.00001	.01545	.00643
SDev	.00054	.00026	.00038	.00080	.00023	.00002	.00361
%RSD	220.59	1.1891	84.492	171.23	2876.3	.15364	56.149
#1	.00014	.02165	.00073	-.00103	.00017	.01547	.00898
#2	-.00063	.02129	.00018	.00010	-.00015	.01543	.00388
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
alue	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00002	.00113	.00063	.00083	.45083	-.00024	.00040
SDev	.00000	.00001	.00000	.00008	.01581	.00279	.00039
%RSD	1.9001	.51732	.18378	9.3584	3.5059	1158.1	97.092
#1	-.00002	.00113	.00063	.00078	.46201	.00173	.00013
#2	-.00002	.00113	.00063	.00088	.43966	-.00222	.00068
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	-.00043	-.00092	.01096	-.00165	.00232	-.00035	-.00322
SDev	.00052	.00000	.00454	.00296	.00198	.00101	.00009
%RSD	120.46	.32689	41.379	179.37	85.490	290.75	2.8276
#1	-.00006	-.00092	.01417	-.00375	.00372	-.00106	-.00315
#2	-.00079	-.00092	.00776	.00044	.00092	.00037	-.00328
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	.01115	-.00711	.0029	<.0000	<.0000
SDev	.00696	.00096	.0000	.0000	.0009
%RSD	62.425	13.500	.0717	.0000	7.873
#1	.01607	-.00643	.0029	<.0000	<.0000
#2	.00623	-.00779	.0029	<.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	6031	--	--	--	--	--	--
SDev	6.675046	--	--	--	--	--	--
%RSD	.1106826	--	--	--	--	--	--
#1	6026	--	--	--	--	--	--
#2	6036	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DKMKA Operator: KT
Run Time: 09/29/00 05:43:42
Comment:
Type: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00092	.00249	.00141	.21591	.00258	.03765	-.00030
SDev	.00079	.00301	.00236	.01648	.00440	.00012	.00000
%RSD	85.656	120.88	167.09	7.6337	170.19	.32339	1.0232
#1	-.00148	.00462	.00308	.22757	-.00053	.03756	-.00030
#2	-.00036	.00036	-.00026	.20426	.00569	.03773	-.00029
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	-.00028	1.1806	.00078	.00121	.00052	1.0045	4.7556
SDev	.00056	.0276	.00014	.00000	.00067	.0042	.0243
%RSD	198.88	2.3389	17.461	.02470	129.72	.41491	.51014
#1	.00011	1.1610	.00068	.00121	.00004	1.0075	4.7385
#2	-.00068	1.2001	.00088	.00121	.00099	1.0016	4.7728
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	.06099	.00118	.00683	.00110	5.8279	.00297	.00288
SDev	.00020	.00002	.00148	.00015	.0523	.00063	.00000
%RSD	.32438	1.3886	21.611	14.172	.89768	21.261	.06011
#1	.06085	.00117	.00579	.00099	5.7909	.00252	.00288
#2	.06113	.00120	.00788	.00121	5.8649	.00342	.00288
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	.00098	.01532	-.00174	.00050	.00324	.00086	-.00181
SDev	.00052	.00099	.00458	.00215	.00278	.00081	.00159
%RSD	52.560	6.4725	262.80	430.95	85.770	94.526	87.757
#1	.00062	.01462	.00150	.00202	.00521	.00143	-.00293
#2	.00135	.01602	-.00498	-.00102	.00128	.00028	-.00069
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	.01388	-.00319	.0067	.0086	1.395
·ev	.00106	.00504	.0000	.0001	.008
%RSD	7.6117	157.81	.2724	1.545	.5647
#1	.01313	.00037	.0066	.0085	1.389
#2	.01462	-.00676	.0067	.0087	1.400
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	6084	--	--	--	--	--	--
SDev	19.60115	--	--	--	--	--	--
%RSD	.3221955	--	--	--	--	--	--
#1	6097	--	--	--	--	--	--
#2	6070	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DKMKC Operator: KT
Run Time: 09/29/00 05:51:48
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00007	.00207	.00200	-.01056	.00159	.05734	-.00039
SDev	.00303	.00416	.00006	.00431	.00310	.00000	.00015
%RSD	4625.5	201.11	3.2745	40.820	194.14	.00565	37.919
#1	-.00207	-.00087	.00195	-.01361	-.00059	.05734	-.00049
#2	.00221	.00501	.00204	-.00751	.00378	.05734	-.00028
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00050	20.758	.00205	.01863	.00350	15.953	37.893
SDev	.00033	.069	.00011	.00074	.00006	.019	.017
%RSD	67.454	.33472	5.4696	3.9806	1.5634	.12135	.04498
#1	-.00073	20.708	.00197	.01810	.00354	15.939	37.881
#2	-.00026	20.807	.00213	.01915	.00347	15.966	37.905
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	.80773	-.00121	.06240	.00069	6.2751	.00302	.00233
SDev	.00311	.00188	.00021	.00000	.0179	.00064	.00000
%RSD	.38441	155.25	.33087	.06052	.28596	21.125	.00105
#1	.80553	.00012	.06255	.00069	6.2877	.00257	.00233
#2	.80992	-.00254	.06226	.00068	6.2624	.00347	.00233
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	.00057	.02342	.01050	.00326	-.00053	-.00112	.00066
SDev	.00051	.00105	.00454	.00046	.00111	.00324	.00292
%RSD	89.008	4.5015	43.224	14.058	209.24	288.35	442.68
#1	.00021	.02416	.01371	.00358	-.00132	-.00342	-.00140
#2	.00094	.02267	.00729	.00294	.00026	.00117	.00272
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	.01409	-.00393	.0096	.1381	10.07
SDev	.00597	.00325	.0014	.0001	.01
%RSD	42.350	82.741	14.33	.0458	.0659
#1	.00987	-.00623	.0106	.1380	10.07
#2	.01831	-.00163	.0086	.1381	10.08
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	5999	--	--	--	--	--	--
SDev	20.39319	--	--	--	--	--	--
%RSD	.3399670	--	--	--	--	--	--
#1	5984	--	--	--	--	--	--
#2	6013	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DKMKF Operator: KT
Run Time: 09/29/00 05:59:54
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00061	.00276	.00033	.73166	-.00047	.02373	-.00007
SDev	.00102	.00204	.00057	.01539	.00053	.00001	.00000
%RSD	166.70	74.040	173.86	2.1029	113.63	.04923	.36105
#1	-.00133	.00131	.00073	.72078	-.00084	.02373	-.00007
#2	.00011	.00420	-.00008	.74254	-.00009	.02374	-.00007
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00062	4.9404	.00190	.00108	.00223	10.466	7.8963
SDev	.00037	.0259	.00038	.00000	.00020	.053	.0346
%RSD	59.689	.52504	20.099	.03076	9.0603	.50430	.43831
#1	-.00036	4.9220	.00217	.00108	.00237	10.429	7.8718
#2	-.00089	4.9587	.00163	.00108	.00209	10.503	7.9208
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	.14299	.00221	.00324	.00092	9.9672	-.00354	.02281
SDev	.00035	.00001	.00074	.00008	.0249	.00156	.00001
%RSD	.24365	.35942	22.813	8.4452	.25019	44.138	.04430
#1	.14274	.00220	.00376	.00087	9.9848	-.00243	.02280
#2	.14324	.00221	.00271	.00098	9.9496	-.00464	.02281
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	.00584	.01058	.00096	-.00089	.00277	.00059	-.00121
SDev	.00052	.00189	.00001	.00114	.00057	.00098	.00104
%RSD	8.8952	17.864	1.1604	127.71	20.560	165.87	85.759
#1	.00547	.00924	.00096	-.00009	.00237	-.00010	-.00195
#2	.00621	.01191	.00095	-.00170	.00318	.00128	-.00048
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	.00933	-.00052	.0067	.0352	3.689
SDev	.00700	.00043	.0000	.0001	.009
%RSD	75.103	83.549	.0415	.3512	.2478
#1	.00437	-.00021	.0067	.0351	3.682
#2	.01428	-.00083	.0067	.0353	3.695
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	6009	--	--	--	--	--	--
SDev	2.941330	--	--	--	--	--	--
%RSD	.0489478	--	--	--	--	--	--
#1	6011	--	--	--	--	--	--
#2	6007	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DKMKH Operator: KT
Run Time: 09/29/00 06:07:59
ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00142	.00006	-.00000	.10627	.00567	.01010	-.00008
SDev	.00103	.00017	.00246	.01428	.00217	.00004	.00001
%RSD	72.690	310.58	71773.	13.434	38.290	.41922	6.6182
#1	.00215	.00018	.00174	.11636	.00413	.01013	-.00008
#2	.00069	-.00007	-.00175	.09617	.00720	.01007	-.00008
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	-.00003	3.6042	.00187	.00120	.00460	1.3158	7.2197
SDev	.00035	.0158	.00014	.00000	.00034	.0016	.0007
%RSD	1243.5	.43764	7.6865	.06957	7.4882	.12215	.00916
#1	-.00027	3.6154	.00198	.00120	.00436	1.3169	7.2193
#2	.00022	3.5930	.00177	.00120	.00485	1.3147	7.2202
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	.04353	.00124	.00893	.00121	6.6019	.00064	.00590
SDev	.00046	.00002	.00003	.00031	.0011	.00272	.00037
%RSD	1.0520	1.7646	.33628	25.790	.01735	422.35	6.3303
#1	.04385	.00126	.00895	.00143	6.6011	.00256	.00564
#2	.04320	.00123	.00891	.00099	6.6027	-.00128	.00617
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	.00062	.01204	-.00185	-.00253	.00506	.00238	.00095
SDev	.00001	.00007	.00444	.00354	.00031	.00012	.00161
%RSD	1.0164	.58383	240.41	139.73	6.1773	4.9501	170.36
#1	.00062	.01209	.00129	-.00003	.00528	.00230	.00208
#2	.00061	.01199	-.00498	-.00503	.00484	.00246	-.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	.01125	-.00553	.0095	.0247	3.126
SDev	.00246	.00149	.0014	.0001	.005
%RSD	21.891	26.958	14.38	.4148	.1753
#1	.00951	-.00448	.0105	.0248	3.130
#2	.01299	-.00659	.0086	.0246	3.122
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	6053	--	--	--	--	--	--
SDev	25.03151	--	--	--	--	--	--
%RSD	.4135321	--	--	--	--	--	--
#1	6035	--	--	--	--	--	--
#2	6071	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DKMKN Operator: KT
Run Time: 09/29/00 06:16:05
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01236	.00184	-.00014	1.5961	-.00017	.03694	-.00028
SDev	.00144	.00231	.00078	.0215	.00323	.00017	.00000
%RSD	11.613	125.84	553.80	1.3461	1937.1	.46936	.15603
#1	.01338	.00347	-.00069	1.6113	.00212	.03682	-.00028
#2	.01135	.00020	.00041	1.5809	-.00245	.03706	-.00028
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	.00016	7.8307	.01490	.00835	.00941	5.7387	26.811
SDev	.00059	.0194	.00038	.00080	.00041	.0103	.113
%RSD	371.71	.24757	2.5190	9.5640	4.3667	.17927	.42258
#1	.00057	7.8170	.01463	.00778	.00912	5.7460	26.731
#2	-.00026	7.8444	.01516	.00891	.00970	5.7314	26.891
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	.22885	.00041	.06865	.00069	4.7726	.00062	.07629
SDev	.00100	.00187	.00003	.00023	.0043	.00240	.00043
%RSD	.43635	460.30	.04921	33.821	.09066	387.36	.56248
#1	.22815	-.00092	.06868	.00086	4.7695	.00232	.07659
#2	.22956	.00173	.06863	.00053	4.7756	-.00108	.07599
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	.00411	.06997	.00748	-.00079	.00117	.01353	.01178
SDev	.00000	.00185	.00001	.00229	.00226	.00044	.00237
%RSD	.02312	2.6469	.09677	288.40	193.11	3.2876	20.162
#1	.00411	.06866	.00748	-.00241	.00277	.01322	.01345
#2	.00411	.07128	.00749	.00083	-.00043	.01385	.01010
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	.01049	-.00248	.0077	.0455	11.08
SDev	.00409	.00143	.0014	.0001	.05
%RSD	38.929	57.597	17.54	.1836	.4108
#1	.01338	-.00147	.0086	.0454	11.04
#2	.00760	-.00349	.0067	.0456	11.11
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	6001	--	--	--	--	--	--
SDev	3.026610	--	--	--	--	--	--
%RSD	.0504312	--	--	--	--	--	--
#1	5999	--	--	--	--	--	--
#2	6004	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DL36Q 2X Operator: KT
Run Time: 09/29/00 06:24:11
C[illegible]ment:
M[illegible]e: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00168	.01231	.00023	-.02191	.00605	.00067	-.00008
SDev	.00155	.00060	.00149	.00106	.00018	.00000	.00000
%RSD	92.029	4.8996	655.34	4.8453	3.0610	.11279	1.4801
#1	.00059	.01273	-.00083	-.02266	.00592	.00067	-.00008
#2	.00278	.01188	.00128	-.02116	.00618	.00067	-.00008
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00021	5.5729	.00940	.00065	1.2818	1.4975	.07223
SDev	.00014	.0411	.00014	.00079	.0054	.0059	.00366
%RSD	65.813	.73687	1.4670	122.51	.42145	.39105	5.0610
#1	-.00031	5.5438	.00949	.00009	1.2856	1.4933	.07481
#2	-.00011	5.6019	.00930	.00121	1.2780	1.5016	.06964
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	.01285	-.00137	.00944	.00105	.63390	-.00616	.00096
SDev	.00001	.00000	.00073	.00008	.00764	.00404	.00039
%RSD	.09639	.13575	7.6857	7.3612	1.2054	65.686	40.586
#1	.01286	-.00137	.00893	.00099	.62850	-.00330	.00068
#2	.01284	-.00137	.00996	.00110	.63931	-.00901	.00123
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	-.00011	3.5211	.04297	.00039	-.00010	.00537	-.00016
SDev	.00000	.0070	.00455	.00167	.00112	.00371	.00047
%RSD	1.0350	.19885	10.582	429.94	1161.9	69.134	292.19
#1	-.00011	3.5162	.04619	-.00079	-.00089	.00275	-.00049
#2	-.00011	3.5261	.03975	.00157	.00070	.00800	.00017
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	.03223	.00236	.0029	.0037	.0076
SDev	.00291	.00236	.0000	.0001	.0022
%RSD	9.0420	99.965	.0604	2.735	28.84
#1	.03017	.00403	.0029	.0037	.0091
#2	.03429	.00069	.0029	.0038	.0060
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	6058	--	--	--	--	--	--
SDev	5.656854	--	--	--	--	--	--
%RSD	.0933758	--	--	--	--	--	--
#1	6054	--	--	--	--	--	--
#2	6062	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DL4LHB-0271295 Operator: KT
Run Time: 09/29/00 06:32:16
C ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00073	.00144	-.00096	-.04850	.00172	.00040	-.00008
SDev	.00216	.00096	.00522	.01115	.00076	.00000	.00000
%RSD	295.61	66.643	542.61	22.983	44.186	.50197	6.0025
#1	-.00080	.00076	-.00466	-.05639	.00226	.00040	-.00008
#2	.00226	.00212	.00273	-.04062	.00118	.00040	-.00008
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.00500	.06000	.20000	.01000	.02000	.00500
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00006	.18505	.00215	.00010	-.00034	.04899	.01402
SDev	.00012	.00147	.00027	.00000	.00026	.00365	.00006
%RSD	197.56	.79427	12.589	4.1740	76.999	7.4536	.40487
#1	.00002	.18609	.00234	.00010	-.00015	.05157	.01406
#2	-.00014	.18401	.00196	.00010	-.00052	.04641	.01398
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	.00037	.00111	.00271	.00105	.66064	-.00025	.00069
SDev	.00000	.00002	.00000	.00008	.04624	.00174	.00001
%RSD	.79418	1.7913	.14280	7.4871	6.9992	688.60	.90417
#1	.00037	.00113	.00271	.00110	.69333	.00098	.00068
#2	.00036	.00110	.00270	.00099	.62794	-.00148	.00069
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	-.00007	.00567	.00458	-.00219	.00149	.00533	-.00156
SDev	.00000	.00004	.00459	.00713	.00139	.00011	.00319
%RSD	3.8348	.66632	100.23	325.95	93.213	1.9883	204.29
#1	-.00007	.00570	.00133	-.00723	.00051	.00525	-.00382
#2	-.00007	.00565	.00782	.00286	.00248	.00540	.00069
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	.00347	.00043	.0010	.0001	.0023
SDev	.00159	.00223	.0000	.0000	.0029
%RSD	45.833	521.93	.0000	.7697	125.7
#1	.00459	-.00115	.0010	.0001	.0043
#2	.00234	.00201	.0010	.0001	.0003
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	6053	--	--	--	--	--	--
SDev	22.54248	--	--	--	--	--	--
%RSD	.3724270	--	--	--	--	--	--
#1	6037	--	--	--	--	--	--
#2	6069	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DL4LHC Operator: KT
Run Time: 09/29/00 06:38:14
C[illegible]ent:
Mo[illegible]e: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.47015	1.7047	.46521	1.8474	1.8142	1.9644	.05190
SDev	.00142	.0003	.00303	.0205	.0112	.0007	.00004
%RSD	.30269	.01480	.65156	1.1106	.61500	.03527	.08185
#1	.46914	1.7045	.46307	1.8619	1.8221	1.9639	.05193
#2	.47115	1.7049	.46735	1.8329	1.8063	1.9649	.05187
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	.04925	51.466	.21217	.51595	.23575	1.1302	48.642
SDev	.00035	.002	.00082	.00009	.00033	.0001	.029
%RSD	.70633	.00484	.38498	.01818	.14149	.00633	.05959
#1	.04950	51.467	.21160	.51602	.23598	1.1302	48.621
#2	.04901	51.464	.21275	.51588	.23551	1.1303	48.662
[illegible]rrors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
[illegible]gh	.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	.53915	.98857	.50140	.05039	44.040	1.8876	L.00426
SDev	.00216	.00118	.00100	.00001	.170	.0016	.00039
%RSD	.40030	.11891	.19880	.01267	.38503	.08296	9.0607
#1	.53763	.98774	.50211	.05040	44.159	1.8887	L.00399
#2	.54068	.98940	.50070	.05039	43.920	1.8865	L.00454
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	.51826	.51465	.01065	.46699	.46164	.47597	.46724
SDev	.00021	.00237	.00472	.00213	.00483	.00062	.00244
%RSD	.04090	.46056	44.314	.45673	1.0463	.12975	.52263
#1	.51841	.51297	.00732	.46548	.45822	.47641	.46551
#2	.51811	.51632	.01399	.46850	.46505	.47554	.46896
[illegible]rrors	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	1.6976	1.7083	L.0068	L.0018	.0750
SDev	.0006	.0007	.0000	.0001	.0021
%RSD	.03718	.04059	.5542	5.215	2.791
#1	1.6980	1.7078	L.0069	L.0018	.0765
#2	1.6971	1.7087	L.0068	L.0019	.0735
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	5889	--	--	--	--	--	--
SDev	38.41026	--	--	--	--	--	--
%RSD	.6522596	--	--	--	--	--	--
#1	5862	--	--	--	--	--	--
#2	5916	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DL3H3 Operator: KT
Run Time: 09/29/00 06:46:20
C ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06613	.00001	-.00513	228.77	.03313	2.0134	.00693
SDev	.00278	.00064	.00057	.62	.00049	.0016	.00008
%RSD	4.2099	5170.8	11.193	.27064	1.4822	.07791	1.1899
#1	.06810	-.00044	-.00472	229.21	.03278	2.0145	.00698
#2	.06417	.00046	-.00553	228.33	.03348	2.0123	.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	-.00048	160.15	.27645	.12228	.19576	273.29	64.434
SDev	.00004	.48	.00111	.00064	.00052	1.02	.074
%RSD	7.7726	.29937	.39989	.51931	.26762	.37413	.11485
#1	-.00050	160.49	.27723	.12273	.19613	274.01	64.486
#2	-.00045	159.81	.27567	.12183	.19539	272.56	64.381
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.7464	-.00219	.19712	-.00186	11.216	.00278	11.857
SDev	.0024	.00712	.00045	.00010	.124	.00188	.015
%RSD	.04198	324.34	.22928	5.1380	1.1053	67.588	.12303
#1	5.7447	.00284	.19744	-.00193	11.304	.00411	11.867
#2	5.7481	-.00723	.19680	-.00180	11.128	.00145	11.846
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	.54248	.62664	.01886	-.00827	.00117	.07002	.06419
SDev	.00186	.00085	.00892	.00147	.00123	.00402	.00217
%RSD	.34229	.13479	47.316	17.809	104.58	5.7370	3.3783
#1	.54379	.62724	.02516	-.00723	.00031	.07286	.06573
#2	.54117	.62605	.01255	-.00931	.00204	.06718	.06266
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	-.00107	.00055	.0424	.6438	1.588
ev	.00639	.00414	.0009	.0003	.001
%RSD	596.15	748.27	2.126	.0514	.0730
#1	.00345	-.00238	.0418	.6440	1.589
#2	-.00559	.00348	.0431	.6435	1.587
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	6203	--	--	--	--	--	--
SDev	59.79299	--	--	--	--	--	--
%RSD	.9639739	--	--	--	--	--	--
#1	6160	--	--	--	--	--	--
#2	6245	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DL3H3P Operator: KT
Run Time: 09/29/00 06:54:26
Comment:
Mode: CONC Corr. Factor: 5

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L.06432	L.00749	L-.00983	237.87	L.03959	2.1851	.00613
SDev	.00457	.01780	.00684	.04	.01972	.0008	.00074
%RSD	7.1088	237.54	69.602	.01534	49.807	.03746	12.037
#1	L.06755	L.02008	L-.01467	237.85	L.02565	2.1845	.00561
#2	L.06109	L-.00509	L-.00499	237.90	L.05354	2.1857	.00665
Errors	LC Low	LC Low	LC Low	LC Pass	LC Low	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	5.5000
Low	.07500	.17000	.10000	.63000	.24500	.01000	.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.01095	175.48	.30701	.13993	.18951	305.58	72.559
SDev	.00056	.07	.00543	.00414	.00232	.42	.022
%RSD	5.0972	.03869	1.7691	2.9556	1.2269	.13686	.03046
#1	L-.01056	175.43	.30317	.14285	.19115	305.29	72.544
#2	L-.01135	175.52	.31085	.13701	.18786	305.88	72.575
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	6.4760	L-.00313	.22222	L.00077	13.017	L.00441	13.082
SDev	.0064	.00005	.00758	.00039	.259	.00447	.006
%RSD	.09896	1.7477	3.4102	50.260	1.9922	101.37	.04911
#1	6.4715	L-.00317	.22758	L.00105	12.834	L.00125	13.086
#2	6.4805	L-.00309	.21686	L.00050	13.201	L.00757	13.077
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	.58319	.67275	L-.00922	-.01769	.00592	.06162	.06567
SDev	.00058	.00075	.04546	.00032	.02118	.01449	.00038
%RSD	.09892	.11097	492.80	1.8089	357.97	23.516	.57705
#1	.58360	.67328	L.02292	-.01746	-.00906	.07186	.06540
#2	.58278	.67223	L-.04137	-.01792	.02090	.05137	.06594
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	.05905	-.01825	L.0478	.6946	1.596
SDev	.01153	.02093	.0067	.0001	.019
%RSD	19.526	114.74	14.10	.0176	1.191
#1	.06720	-.00344	L.0526	.6947	1.610
#2	.05090	-.03305	L.0430	.6945	1.583
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	6021	--	--	--	--	--	--
SDev	5.656854	--	--	--	--	--	--
%RSD	.0939558	--	--	--	--	--	--
#1	6017	--	--	--	--	--	--
#2	6025	--	--	--	--	--	--

Method: QTESTNAK Sample Name: CCVT Operator: KT
Run Time: 09/29/00 07:00:24
C ment:
M e: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50562	.49034	.50242	24.243	.49416	2.0108	2.1393
SDev	.00348	.00282	.00115	.004	.00070	.0020	.0022
%RSD	.68742	.57496	.22984	.01580	.14104	.10023	.10376
#1	.50316	.49233	.50323	24.241	.49465	2.0093	2.1378
#2	.50808	.48834	.50160	24.246	.49367	2.0122	2.1409
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	.52691	108.76	2.1686	2.0963	1.9160	26.690	103.25
SDev	.00052	.16	.0036	.0015	.0003	.046	.16
%RSD	.09952	.14278	.16557	.06972	.01493	.17305	.15397
#1	.52729	108.65	2.1660	2.0953	1.9162	26.658	103.14
#2	.52654	108.87	2.1711	2.0974	1.9158	26.723	103.36
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	2.1532	2.0413	2.0855	1.0220	48.231	.95992	2.0943
SDev	.0010	.0143	.0053	.0000	.048	.00029	.0067
%RSD	.04425	.69907	.25182	.00103	.10033	.03001	.32202
#1	2.1525	2.0312	2.0818	1.0220	48.196	.96012	2.0896
#2	2.1539	2.0514	2.0892	1.0220	48.265	.95971	2.0991
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	2.1258	2.1558	1.9841	.50330	.50065	.50747	.50470
SDev	.0039	.0065	.0184	.00141	.00064	.00439	.00302
%RSD	.18278	.30271	.92579	.28035	.12812	.86426	.59865
#1	2.1231	2.1512	1.9971	.50430	.50110	.50437	.50256
#2	2.1286	2.1604	1.9711	.50230	.50019	.51057	.50684
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	.50284	.48409	2.014	2.070	1.977
SDev	.00196	.00521	.008	.001	.008
%RSD	.39050	1.0756	.3774	.0415	.4138
#1	.50145	.48777	2.009	2.070	1.972
#2	.50423	.48041	2.019	2.071	1.983
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	5781	--	--	--	--	--	--
SDev	1.781923	--	--	--	--	--	--
%RSD	.0308213	--	--	--	--	--	--
#1	5783	--	--	--	--	--	--
#2	5780	--	--	--	--	--	--

Method: QTESTNAK Sample Name: CCBT, Operator: KT
Run Time: 09/29/00 07:08:30
C ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00080	-.00182	.00158	-.03083	.00033	.00013	-.00006
SDev	.00130	.00238	.00065	.01313	.00154	.00000	.00001
%RSD	162.65	131.12	41.470	42.603	469.48	1.3751	15.659
#1	-.00171	-.00013	.00111	-.02154	.00142	.00014	-.00005
#2	.00012	-.00350	.00204	-.04012	-.00076	.00013	-.00006
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	-.00021	.00747	.00085	.00009	-.00028	.02029	.00780
SDev	.00001	.02215	.00041	.00161	.00009	.00709	.00192
%RSD	4.3201	296.63	47.827	1789.0	31.860	34.948	24.623
#1	-.00020	-.00819	.00114	.00123	-.00022	.02530	.00915
#2	-.00022	.02313	.00057	-.00105	-.00034	.01527	.00644
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
alue	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00002	-.00014	.00114	.00077	.36279	.00140	.00038
SDev	.00000	.00192	.00074	.00000	.00677	.00313	.00041
%RSD	14.808	1416.5	64.824	.03313	1.8674	223.26	107.50
#1	-.00002	.00122	.00167	.00077	.36758	.00362	.00009
#2	-.00002	-.00149	.00062	.00078	.35800	-.00081	.00067
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	-.00043	-.00088	.00435	.00209	.00055	-.00011	-.00114
SDev	.00052	.00002	.00449	.00157	.00118	.00200	.00094
%RSD	121.32	2.4671	103.20	75.087	213.65	1823.2	82.789
#1	-.00079	-.00086	.00753	.00098	.00138	-.00153	-.00181
#2	-.00006	-.00089	.00118	.00320	-.00028	.00131	-.00047
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	.00490	-.00517	.0020	<.0000	<.0000
SDev	.00209	.00253	.0014	.0001	.0049
%RSD	42.586	48.906	68.32	12360.	36.29
#1	.00638	-.00338	.0030	.0001	<.0000
#2	.00343	-.00696	.0010	<.0000	<.0000
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value			.0000	.0000	.0000
Range			.2000	.0500	.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	5959	--	--	--	--	--	--
SDev	40.30509	--	--	--	--	--	--
%RSD	.6763439	--	--	--	--	--	--
#1	5931	--	--	--	--	--	--
#2	5988	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DL3HS Operator: KT
Run Time: 09/29/00 07:14:28
C ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.53401	1.6115	.11228	249.18	1.7325	3.9628	.05447
SDev	.00160	.0097	.00068	.82	.0043	.0188	.00009
%RSD	.29894	.60261	.60124	.32799	.24823	.47531	.16542
#1	.53514	1.6184	.11276	249.76	1.7295	3.9761	.05454
#2	.53288	1.6046	.11181	248.60	1.7356	3.9494	.05441
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	.04857	100.13	.47517	.60389	.46773	284.08	111.18
SDev	.00076	.01	.00052	.00128	.00093	.37	.42
%RSD	1.5720	.00896	.10901	.21228	.19886	.12964	.37854
#1	.04803	100.14	.47553	.60480	.46838	284.34	111.48
#2	.04911	100.13	.47480	.60298	.46707	283.82	110.88
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	7.0423	.84580	.67665	.04576	57.685	1.7815	12.477
SDev	.0088	.00647	.00290	.00001	.255	.0081	.042
%RSD	.12503	.76492	.42862	.02699	.44262	.45436	.33425
#1	7.0486	.85038	.67460	.04577	57.865	1.7758	12.506
#2	7.0361	.84123	.67870	.04575	57.504	1.7872	12.447
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	1.0394	1.1555	.01878	.11154	.11378	.53491	.53356
SDev	.0026	.0025	.00946	.00068	.00066	.00127	.00303
%RSD	.24965	.21883	50.381	.61215	.57980	.23754	.56746
#1	1.0412	1.1573	.02547	.11202	.11424	.53401	.53571
#2	1.0375	1.1538	.01209	.11105	.11331	.53581	.53142
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	1.5863	1.6241	.0486	.5623	2.445
SDev	.0091	.0100	.0008	.0021	.000
%RSD	.57649	.61535	1.602	.3793	.0046
#1	1.5928	1.6311	.0481	.5638	2.446
#2	1.5798	1.6170	.0492	.5608	2.445
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	5877	--	--	--	--	--	--
SDev	73.45417	--	--	--	--	--	--
%RSD	1.249956	--	--	--	--	--	--
#1	5825	--	--	--	--	--	--
#2	5928	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DL3HD Operator: KT
Run Time: 09/29/00 07:22:34
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.54086	1.6269	.10719	249.61	1.7410	3.3810	.05635
SDev	.00025	.0109	.00076	.18	.0035	.0039	.00014
%RSD	.04705	.67090	.71244	.07019	.20166	.11463	.24180
#1	.54104	1.6346	.10665	249.73	1.7435	3.3782	.05625
#2	.54068	1.6192	.10773	249.49	1.7385	3.3837	.05645
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	.04806	111.93	.48744	.63169	.44614	288.76	107.54
SDev	.00081	.15	.00132	.00126	.00049	.27	.19
%RSD	1.6926	.13348	.27031	.19992	.10992	.09249	.17852
#1	.04748	111.82	.48650	.63080	.44648	288.57	107.40
#2	.04863	112.03	.48837	.63258	.44579	288.95	107.67
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	7.9908	.84447	.69338	.04578	56.835	1.7843	11.220
SDev	.0173	.00313	.00000	.00056	.040	.0024	.003
%RSD	.21669	.37109	.00042	1.2206	.06987	.13561	.03022
#1	7.9786	.84226	.69338	.04617	56.807	1.7860	11.218
#2	8.0031	.84669	.69338	.04538	56.863	1.7826	11.222
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	1.0561	1.1696	.01864	.10570	.11017	.54583	.53837
SDev	.0030	.0038	.00903	.00244	.00259	.00120	.00022
%RSD	.28814	.32307	48.424	2.3061	2.3501	.21978	.04037
#1	1.0540	1.1669	.01226	.10398	.11200	.54668	.53822
#2	1.0583	1.1722	.02503	.10743	.10834	.54498	.53853
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	1.6189	1.6309	.0484	.5151	1.653
SDev	.0102	.0113	.0003	.0005	.026
%RSD	.62861	.69186	.5219	.1053	1.602
#1	1.6261	1.6389	.0486	.5147	1.671
#2	1.6117	1.6230	.0482	.5155	1.634
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	6025	--	--	--	--	--	--
SDev	32.13089	--	--	--	--	--	--
%RSD	.5332786	--	--	--	--	--	--
#1	6002	--	--	--	--	--	--
#2	6048	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DL3H4 Operator: KT
Run Time: 09/29/00 07:32:44
C ment:
Mc .e: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05154	.00754	-.00391	210.41	.02888	1.0986	.00542
SDev	.00172	.00096	.00315	.59	.00214	.0000	.00020
%RSD	3.3363	12.737	80.474	.27997	7.4217	.00378	3.7230
#1	.05033	.00686	-.00169	210.82	.03039	1.0985	.00556
#2	.05276	.00821	-.00614	209.99	.02736	1.0986	.00528
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00396	30.408	.24047	.11097	.17688	258.00	54.523
SDev	.00024	.005	.00012	.00049	.00015	.07	.066
%RSD	6.1385	.01669	.05109	.43836	.08171	.02880	.12097
#1	-.00413	30.412	.24039	.11063	.17698	258.06	54.476
#2	-.00379	30.404	.24056	.11132	.17678	257.95	54.570
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
.gh	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.5184	.00260	.14904	-.00183	6.8988	.00212	13.011
SDev	.0138	.00533	.00256	.00006	.0642	.00066	.004
%RSD	.30535	205.03	1.7159	3.3168	.93125	30.892	.02762
#1	4.5086	.00637	.15085	-.00179	6.9442	.00259	13.013
#2	4.5281	-.00117	.14723	-.00187	6.8533	.00166	13.008
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	.52298	.55193	.00977	-.00747	.00320	.05408	.05027
SDev	.00193	.00099	.00445	.00272	.00400	.00274	.00395
%RSD	.36808	.17873	45.533	36.459	124.96	5.0662	7.8494
#1	.52162	.55123	.01292	-.00554	.00603	.05602	.04748
#2	.52434	.55263	.00662	-.00939	.00037	.05215	.05306
'rrors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
ge	.00410	.00925	.0333	.3589	1.389
Dev	.00199	.00243	.0011	.0003	.012
%RSD	48.561	26.291	3.180	.0757	.8947
#1	.00550	.00753	.0326	.3587	1.398
#2	.00269	.01097	.0341	.3591	1.380
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	6181	--	--	--	--	--	--
SDev	46.98013	--	--	--	--	--	--
%RSD	.7601201	--	--	--	--	--	--
#1	6147	--	--	--	--	--	--
#2	6214	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DL3H5 Operator: KT
Run Time: 09/29/00 07:40:50
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.09828	.00189	-.00025	182.31	.02978	1.4473	.00555
SDev	.00006	.00397	.00330	.28	.00021	.0056	.00005
%RSD	.06469	210.42	1316.4	.15389	.70399	.38897	.94969
#1	.09833	-.00092	-.00258	182.11	.02964	1.4433	.00559
#2	.09824	.00470	.00208	182.51	.02993	1.4512	.00551
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00471	35.066	.23156	.10994	.19528	228.47	47.575
SDev	.00066	.061	.00087	.00032	.00002	.24	.195
%RSD	13.939	.17289	.37532	.28971	.00962	.10371	.40943
#1	L-.00517	35.023	.23094	.11016	.19529	228.31	47.437
#2	-.00424	35.109	.23217	.10971	.19526	228.64	47.713
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.2719	-.00036	.15683	-.00154	7.4125	.00161	11.286
SDev	.0282	.00165	.00113	.00044	.0004	.00294	.042
%RSD	.53474	464.20	.72195	28.727	.00538	181.95	.37015
#1	5.2519	.00081	.15763	-.00123	7.4128	-.00046	11.257
#2	5.2918	-.00153	.15603	-.00186	7.4122	.00369	11.316
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	.46048	.53289	.02399	-.00224	.00373	.10159	.09663
SDev	.00001	.00495	.00429	.00501	.00013	.00284	.00132
%RSD	.00133	.92859	17.881	224.05	3.5382	2.7981	1.3701
#1	.46049	.52939	.02095	-.00578	.00382	.10360	.09569
#2	.46048	.53639	.02702	.00131	.00363	.09958	.09756
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	.00197	.00185	.0370	.4031	1.913
Dev	.00141	.00525	.0010	.0016	.005
%RSD	71.804	284.13	2.816	.3968	.2581
#1	.00097	-.00186	.0362	.4020	1.916
#2	.00297	.00556	.0377	.4043	1.909
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6194	--	--	--	--	--	--
SDev	45.19855	--	--	--	--	--	--
%RSD	.7297058	--	--	--	--	--	--
#1	6162	--	--	--	--	--	--
#2	6226	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DL3H6 Operator: KT
Run Time: 09/29/00 07:48:56
C ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06591	.00076	-.00501	289.34	.03873	1.4065	.00841
SDev	.00186	.00129	.00304	2.17	.00166	.0103	.00004
%RSD	2.8220	170.07	60.802	.75114	4.2803	.73091	.44812
#1	.06460	.00167	-.00716	287.80	.03755	1.3992	.00843
#2	.06723	-.00015	-.00285	290.87	.03990	1.4138	.00838
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00445	47.262	.33302	.13837	.22787	350.65	78.423
SDev	.00029	.515	.00337	.00142	.00119	3.06	.666
%RSD	6.4571	1.0907	1.0122	1.0277	.52326	.87138	.84950
#1	-.00425	46.897	.33064	.13737	.22703	348.49	77.952
#2	-.00466	47.626	.33540	.13938	.22871	352.82	78.894
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.7660	-.00259	.26032	-.00282	10.253	.00267	17.478
SDev	.0678	.00136	.00268	.00066	.021	.01132	.111
%RSD	1.1761	52.392	1.0309	23.494	.20936	423.17	.63346
#1	5.7181	-.00163	.25842	-.00235	10.268	-.00533	17.400
#2	5.8140	-.00355	.26222	-.00329	10.238	.01068	17.556
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5.000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.72772	.74231	.01077	-.00840	.00180	.07276	.06249
SDev	.00774	.00769	.00449	.00906	.00901	.00199	.00378
%RSD	1.0640	1.0364	41.714	107.82	500.80	2.7355	6.0526
#1	.72225	.73687	.01395	-.01481	.00817	.07417	.05982
#2	.73320	.74775	.00760	-.00200	-.00457	.07136	.06517
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	-.00329	.00278	.0621	.5234	1.567
SDev	.01209	.00410	.0002	.0043	.002
%RSD	367.46	147.50	.3092	.8204	.1511
#1	.00526	-.00012	.0623	.5204	1.565
#2	-.01184	.00568	.0620	.5265	1.568
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	6350	--	--	--	--	--	--
SDev	19.96886	--	--	--	--	--	--
%RSD	.3144465	--	--	--	--	--	--
#1	6336	--	--	--	--	--	--
#2	6365	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DL3H7 Operator: KT
Run Time: 09/29/00 07:57:02
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04818	.00671	-.00131	122.99	.01835	.89482	.00339
SDev	.00152	.00346	.00108	.35	.00072	.00224	.00004
%RSD	3.1586	51.568	82.187	.28772	3.9436	.24995	1.2209
#1	.04710	.00916	-.00207	122.74	.01784	.89324	.00342
#2	.04925	.00426	-.00055	123.24	.01886	.89640	.00336
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00402	23.609	.16981	.07293	.14253	164.04	31.474
SDev	.00053	.125	.00081	.00083	.00004	.71	.098
%RSD	13.066	.53027	.47919	1.1385	.02732	.43217	.31153
#1	-.00365	23.520	.16923	.07352	.14250	163.54	31.405
#2	-.00439	23.697	.17038	.07234	.14256	164.54	31.544
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	4.0159	.00211	.09526	-.00087	5.9529	-.00085	10.350
SDev	.0274	.00349	.00212	.00030	.0665	.00548	.015
%RSD	.68265	165.47	2.2210	33.881	1.1179	641.91	.14636
#1	3.9965	.00458	.09376	-.00066	5.9999	-.00473	10.339
#2	4.0353	-.00036	.09675	-.00108	5.9058	.00302	10.361
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	.32674	.39900	.00809	-.00264	.00135	.05305	.04574
SDev	.00122	.00189	.00444	.00181	.00040	.00140	.00298
%RSD	.37453	.47462	54.926	68.785	29.684	2.6327	6.5117
#1	.32588	.39767	.01123	-.00392	.00163	.05404	.04364
#2	.32761	.40034	.00495	-.00135	.00107	.05207	.04785
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	.00737	.00638	.0251	.2829	2.265
SDev	.00257	.00390	.0002	.0009	.082
%RSD	34.922	61.159	.7806	.3203	3.607
#1	.00919	.00914	.0252	.2823	2.323
#2	.00555	.00362	.0249	.2836	2.208
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	6174	--	--	--	--	--	--
SDev	50.26086	--	--	--	--	--	--
%RSD	.8140544	--	--	--	--	--	--
#1	6139	--	--	--	--	--	--
#2	6210	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DL3H8 Operator: KT
Run Time: 09/29/00 08:05:08
C ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04990	.00423	-.00173	211.43	.02200	1.2410	.00588
SDev	.00031	.00077	.00531	.12	.00069	.0013	.00005
%RSD	.61735	18.130	306.64	.05708	3.1306	.10862	.83189
#1	.04968	.00477	-.00548	211.34	.02249	1.2401	.00591
#2	.05012	.00369	.00202	211.51	.02151	1.2420	.00584
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00439	24.378	.24539	.09736	.16244	227.71	42.957
SDev	.00048	.018	.00054	.00067	.00060	.17	.065
%RSD	11.019	.07547	.21848	.68911	.37153	.07271	.15191
#1	-.00473	24.391	.24501	.09688	.16201	227.59	42.911
#2	-.00405	24.365	.24577	.09783	.16287	227.83	43.003
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.3573	.00186	.14083	-.00141	7.2075	.00538	12.652
SDev	.0196	.00172	.00089	.00007	.0106	.00186	.041
%RSD	.36540	92.506	.63064	4.8362	.14748	34.586	.32401
#1	5.3434	.00308	.14145	-.00136	7.2151	.00670	12.623
#2	5.3711	.00064	.14020	-.00146	7.2000	.00407	12.681
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	.46255	.51375	.01706	-.00474	.00431	.05307	.04832
SDev	.00098	.00297	.00458	.00830	.00068	.00111	.00102
%RSD	.21215	.57868	26.842	174.90	15.822	2.0920	2.1029
#1	.46186	.51165	.02030	-.01061	.00479	.05385	.04760
#2	.46325	.51586	.01382	.00112	.00382	.05228	.04904
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	-.00358	.00813	.0385	.3264	1.647
SDev	.00778	.00503	.0002	.0003	.010
%RSD	217.19	61.941	.6211	.1009	.6157
#1	-.00908	.01168	.0387	.3262	1.654
#2	.00192	.00457	.0383	.3267	1.640
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	6094	--	--	--	--	--	--
SDev	38.89087	--	--	--	--	--	--
%RSD	.6382019	--	--	--	--	--	--
#1	6066	--	--	--	--	--	--
#2	6121	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DL3H9 Operator: KT
Run Time: 09/29/00 08:13:14
C ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03896	.00421	-.00317	130.73	.01788	.95886	.00404
SDev	.00105	.00104	.00034	.41	.00280	.00346	.00006
%RSD	2.7030	24.806	10.862	.31444	15.667	.36114	1.5760
#1	.03821	.00347	-.00341	131.02	.01986	.96131	.00408
#2	.03970	.00495	-.00292	130.44	.01590	.95641	.00399
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	-.00374	24.689	.18150	.08880	.20701	171.66	32.333
SDev	.00079	.023	.00095	.00032	.00071	.00	.066
%RSD	21.002	.09402	.52534	.35925	.34375	.00172	.20483
#1	-.00430	24.673	.18083	.08858	.20751	171.66	32.380
#2	-.00319	24.705	.18217	.08903	.20650	171.67	32.286
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.0475	.00150	.11152	-.00170	4.8070	.00147	11.052
SDev	.0162	.00539	.00023	.00052	.0761	.00059	.007
%RSD	.32136	359.44	.21083	30.413	1.5822	40.269	.06088
#1	5.0360	.00531	.11136	-.00133	4.8608	.00188	11.057
#2	5.0590	-.00231	.11169	-.00206	4.7533	.00105	11.047
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.36323	.37492	.01073	-.00520	.00090	.04600	.03544
SDev	.00141	.00014	.00896	.00254	.00405	.00370	.00343
%RSD	.38826	.03614	83.492	48.783	447.92	8.0555	9.6732
#1	.36223	.37483	.01706	-.00699	.00376	.04862	.03302
#2	.36423	.37502	.00439	-.00341	-.00196	.04338	.03787
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	.00063	.00600	.0243	.2907	1.913
SDev	.00529	.00421	.0011	.0006	.051
%RSD	838.70	70.102	4.358	.2093	2.664
#1	.00437	.00303	.0236	.2911	1.949
#2	-.00311	.00897	.0251	.2903	1.877
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	6118	--	--	--	--	--	--
SDev	67.76935	--	--	--	--	--	--
%RSD	1.107675	--	--	--	--	--	--
#1	6070	--	--	--	--	--	--
#2	6166	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DL3HD Operator: KT
Run Time: 09/29/00 08:21:20
C ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05972	.00068	-.00651	270.18	.03638	1.5202	.00747
SDev	.00113	.00372	.00289	.45	.00922	.0038	.00024
%RSD	1.8999	549.79	44.468	.16626	25.342	.24743	3.1981
#1	.05892	.00331	-.00855	270.50	.04289	1.5229	.00764
#2	.06052	-.00196	-.00446	269.86	.02986	1.5175	.00730
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	-.00396	44.247	.31774	.13747	.20994	334.75	78.978
SDev	.00049	.062	.00061	.00019	.00115	.06	.017
%RSD	12.313	.14047	.19243	.13818	.54625	.01721	.02095
#1	-.00361	44.203	.31731	.13761	.21075	334.79	78.989
#2	-.00430	44.291	.31817	.13734	.20913	334.71	78.966
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.3462	-.00336	.21761	-.00267	11.458	.00297	15.416
SDev	.0206	.00326	.00150	.00027	.047	.00643	.026
%RSD	.38507	97.173	.68808	10.167	.41298	216.97	.16746
#1	5.3316	-.00105	.21867	-.00248	11.492	.00752	15.435
#2	5.3608	-.00566	.21655	-.00286	11.425	-.00158	15.398
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	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	.65721	.67870	.02464	-.01070	.00189	.06617	.05650
SDev	.00002	.00244	.00458	.00605	.00344	.00155	.00248
%RSD	.00326	.35876	18.587	56.584	181.96	2.3480	4.3840
#1	.65719	.67698	.02787	-.01498	.00432	.06727	.05474
#2	.65722	.68042	.02140	-.00642	-.00054	.06507	.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
ge	.00128	.00038	.0420	.5448	1.280
SDev	.00745	.00186	.0009	.0007	.010
%RSD	582.64	494.01	2.070	.1229	.7758
#1	.00655	.00169	.0414	.5452	1.287
#2	-.00399	-.00094	.0426	.5443	1.273
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	6269	--	--	--	--	--	--
SDev	64.03563	--	--	--	--	--	--
%RSD	1.021517	--	--	--	--	--	--
#1	6223	--	--	--	--	--	--
#2	6314	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DL3HF Operator: KT
Run Time: 09/29/00 08:29:26
C ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.07112	.00377	-.00381	181.72	.02795	1.2170	.00506
SDev	.00066	.00072	.00024	1.82	.00177	.0097	.00001
%RSD	.92814	19.172	6.3133	1.0029	6.3281	.79894	.28628
#1	.07065	.00428	-.00398	180.43	.02920	1.2101	.00507
#2	.07158	.00326	-.00364	183.01	.02670	1.2239	.00505
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	-.00460	28.175	.22194	.10059	.16500	216.96	43.481
SDev	.00142	.334	.00253	.00105	.00122	2.30	.404
%RSD	30.786	1.1845	1.1383	1.0409	.73700	1.0592	.92957
#1	-.00360	27.939	.22015	.09985	.16414	215.34	43.196
#2	L-.00561	28.411	.22373	.10133	.16586	218.59	43.767
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.0422	.00000	.13674	-.00148	6.9372	.00091	12.494
SDev	.0658	.00333	.00119	.00015	.0186	.00170	.108
%RSD	1.3041	85669.	.87012	10.308	.26762	186.84	.86297
#1	4.9957	.00236	.13590	-.00137	6.9241	.00211	12.418
#2	5.0887	-.00235	.13759	-.00159	6.9503	-.00029	12.570
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5.000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.44226	.49537	.00827	-.00679	.00214	.07638	.06848
SDev	.00453	.00508	.00861	.00137	.00202	.00400	.00299
%RSD	1.0244	1.0246	104.16	20.185	94.318	5.2400	4.3627
#1	.43906	.49178	.00218	-.00776	.00357	.07921	.06637
#2	.44546	.49896	.01436	-.00582	.00071	.07355	.07060
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	.00454	.00339	.0383	.3364	2.047
SDev	.00278	.00030	.0038	.0029	.004
%RSD	61.134	8.9483	9.908	.8627	.2118
#1	.00651	.00317	.0356	.3343	2.044
#2	.00258	.00360	.0410	.3384	2.051
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	10.46504	--	--	--	--	--	--
%RSD	.1666992	--	--	--	--	--	--
#1	6270	--	--	--	--	--	--
#2	6285	--	--	--	--	--	--

Method: QTESTNAK Sample Name: CCVT Operator: KT
Run Time: 09/29/00 08:39:37
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.48653	.47987	.48875	23.317	.47939	1.9397	2.0685
SDev	.00245	.00167	.00010	.048	.00495	.0071	.0068
%RSD	.50359	.34811	.01939	.20790	1.0318	.36377	.33037
#1	.48826	.48105	.48882	23.351	.48289	1.9447	2.0733
#2	.48479	.47869	.48868	23.283	.47589	1.9347	2.0637
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	.50808	104.74	2.0840	2.0183	1.8497	25.695	99.338
SDev	.00235	.54	.0105	.0088	.0021	.087	.374
%RSD	.46207	.51486	.50493	.43356	.11312	.34016	.37628
#1	.50974	105.12	2.0915	2.0245	1.8511	25.757	99.602
#2	.50642	104.36	2.0766	2.0121	1.8482	25.633	99.074
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	2.0706	1.9761	2.0126	.98508	46.837	.93364	2.0138
SDev	.0090	.0069	.0066	.00514	.051	.00451	.0088
%RSD	.43236	.34893	.32762	.52152	.10938	.48263	.43459
#1	2.0769	1.9712	2.0173	.98871	46.873	.93045	2.0199
#2	2.0643	1.9809	2.0079	.98145	46.800	.93683	2.0076
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	2.0455	2.0707	1.9057	.49161	.48303	.49078	.48441
SDev	.0116	.0078	.0180	.00219	.00468	.00718	.00009
%RSD	.56493	.37855	.94507	.44592	.96794	1.4624	.01861
#1	2.0537	2.0763	1.8929	.49006	.48634	.49585	.48447
#2	2.0374	2.0652	1.9184	.49316	.47973	.48570	.48434
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	.49361	.47301	1.933	1.997	1.899
SDev	.00468	.00017	.000	.008	.006
%RSD	.94748	.03585	.0215	.4006	.3357
#1	.49692	.47313	1.934	2.002	1.903
#2	.49031	.47289	1.933	1.991	1.894
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	5940	--	--	--	--	--	--
SDev	30.51849	--	--	--	--	--	--
%RSD	.5138157	--	--	--	--	--	--
#1	5918	--	--	--	--	--	--
#2	5961	--	--	--	--	--	--

Analysis Report QC Standard 09/29/00 08:53:36 AM page 1

Method: QTESTNAK Sample Name: CCBT, Operator: KT
Run Time: 09/29/00 08:47:42
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00154	-.00094	-.00029	-.03500	.00309	.00013	-.00009
SDev	.00008	.00113	.00103	.01577	.00144	.00000	.00001
%RSD	4.9389	121.03	356.22	45.071	46.467	1.3048	8.7881
#1	-.00149	-.00013	-.00102	-.02384	.00411	.00013	-.00009
#2	-.00160	-.00174	.00044	-.04615	.00208	.00013	-.00010
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	-.00007	.01816	.00077	.00067	-.00019	.01071	.00881
SDev	.00052	.00142	.00036	.00078	.00054	.00028	.00003
%RSD	776.82	7.8243	46.500	116.71	286.90	2.5810	.37066
#1	.00030	.01917	.00052	.00122	-.00057	.01051	.00884
#2	-.00043	.01716	.00102	.00012	.00019	.01090	.00879
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	-.00003	-.00025	.00064	.00078	.35693	.00136	.00125
SDev	.00000	.00182	.00001	.00015	.02555	.00028	.00001
%RSD	8.4782	718.49	.99772	19.780	7.1572	20.386	.53779
#1	-.00003	-.00154	.00064	.00088	.33886	.00116	.00124
#2	-.00003	.00103	.00065	.00067	.37499	.00155	.00125
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	-.00044	-.00098	-.00156	-.00086	.00085	.00046	-.00254
SDev	.00051	.00003	.00434	.00071	.00166	.00107	.00065
%RSD	116.00	2.6304	277.64	82.913	195.03	234.72	25.492
#1	-.00080	-.00096	.00151	-.00136	-.00032	-.00030	-.00208
#2	-.00008	-.00100	-.00464	-.00035	.00203	.00121	-.00300
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.00000	.00000	.00000				
Range	.05000	.02000	.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
ge	.01529	-.00904	.0029	<.0000	<.0000
SDev	.00039	.00150	.0000	.0000	.0008
%RSD	2.5471	16.650	.4021	.0000	4.411
#1	.01556	-.00797	.0029	<.0000	<.0000
#2	.01501	-.01010	.0029	<.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	6118	--	--	--	--	--	--
SDev	38.18377	--	--	--	--	--	--
%RSD	.6240768	--	--	--	--	--	--
#1	6091	--	--	--	--	--	--
#2	6145	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DL3HG Operator: KT
Run Time: 09/29/00 08:53:40
C ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04446	.00364	-.00328	201.39	.02456	1.1765	.00528
SDev	.00293	.00075	.00260	.17	.00211	.0036	.00035
%RSD	6.5841	20.665	79.385	.08686	8.5855	.30291	6.6832
#1	.04239	.00417	-.00512	201.27	.02307	1.1739	.00553
#2	.04654	.00311	-.00144	201.51	.02605	1.1790	.00503
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.00561	21.662	.24431	.09287	.14547	225.64	44.598
SDev	.00017	.108	.00033	.00059	.00052	.73	.149
%RSD	3.0590	.49814	.13444	.63979	.35702	.32319	.33435
#1	L-.00549	21.585	.24408	.09245	.14584	225.13	44.493
#2	L-.00573	21.738	.24454	.09329	.14511	226.16	44.703
Errors	LC Low	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	3.6292	.00290	.13417	-.00085	6.1189	-.00097	12.411
SDev	.0235	.00352	.00043	.00030	.1998	.00109	.014
%RSD	.64818	121.16	.32192	35.657	3.2656	112.74	.11410
#1	3.6126	.00539	.13386	-.00063	6.2602	-.00020	12.401
#2	3.6458	.00042	.13448	-.00106	5.9776	-.00174	12.421
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	.46631	.47674	.01739	-.00538	.00093	.04836	.04252
SDev	.00133	.00053	.00462	.00425	.00069	.00090	.00394
%RSD	.28433	.11115	26.571	78.920	74.022	1.8532	9.2707
#1	.46537	.47637	.02065	-.00838	.00142	.04773	.03973
#2	.46725	.47712	.01412	-.00238	.00045	.04900	.04531
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	-.00036	.00563	.0377	.3381	1.871
⊥Dev	.00316	.00045	.0010	.0013	.003
%RSD	889.82	7.9891	2.770	.3740	.1522
#1	.00188	.00531	.0370	.3372	1.873
#2	-.00259	.00595	.0384	.3390	1.869
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	6068	--	--	--	--	--	--
SDev	47.26291	--	--	--	--	--	--
%RSD	.7789006	--	--	--	--	--	--
#1	6034	--	--	--	--	--	--
#2	6101	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DL3HH Operator: KT
Run Time: 09/29/00 09:00:12
C ıent:
Moue: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05338	.00351	-.00420	212.88	.02722	1.1890	.00568
SDev	.00192	.00005	.00038	.06	.00201	.0018	.00006
%RSD	3.5985	1.3436	8.9920	.02600	7.4024	.15371	1.1494
#1	.05203	.00354	-.00447	212.92	.02580	1.1903	.00564
#2	.05474	.00348	-.00393	212.84	.02865	1.1877	.00573
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	-.00410	38.322	.25915	.10642	.18441	266.57	56.647
SDev	.00016	.132	.00163	.00070	.00079	.27	.008
%RSD	3.8259	.34536	.62952	.65757	.42967	.10272	.01384
#1	-.00421	38.229	.25800	.10692	.18497	266.38	56.652
#2	-.00399	38.416	.26030	.10593	.18385	266.76	56.641
ʼrrors	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	4.5106	-.00061	.16216	-.00184	8.9615	.00085	13.832
SDev	.0184	.00340	.00043	.00021	.1134	.00216	.014
%RSD	.40699	552.53	.26522	11.280	1.2653	252.66	.10356
#1	4.4976	.00179	.16186	-.00169	9.0417	.00238	13.842
#2	4.5236	-.00302	.16247	-.00199	8.8814	-.00067	13.822
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	.53777	.55743	.01238	-.00686	.00113	.05815	.05100
SDev	.00207	.00264	.00888	.00004	.00122	.00116	.00230
%RSD	.38438	.47335	71.765	.62933	108.22	1.9888	4.5148
#1	.53631	.55557	.00610	-.00683	.00026	.05734	.04937
#2	.53923	.55930	.01866	-.00689	.00199	.05897	.05263
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	.00252	.00401	.0336	.3857	1.558
SDev	.00245	.00115	.0010	.0000	.002
%RSD	97.484	28.812	2.863	.0051	.1031
#1	.00425	.00319	.0330	.3857	1.560
#2	.00078	.00482	.0343	.3857	1.557
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	6125	--	--	--	--	--	--
SDev	66.60960	--	--	--	--	--	--
%RSD	1.087521	--	--	--	--	--	--
#1	6078	--	--	--	--	--	--
#2	6172	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DL3HJ Operator: KT
Run Time: 09/29/00 09:08:19
C ment:
M e: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05075	.00532	-.00581	225.28	.02442	1.0539	.00611
SDev	.00076	.00232	.00151	.05	.00232	.0016	.00022
%RSD	1.4922	43.700	26.015	.02026	9.5235	.14895	3.6239
#1	.05021	.00368	-.00688	225.25	.02606	1.0528	.00626
#2	.05128	.00696	-.00474	225.31	.02277	1.0550	.00595
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.00698	23.800	.22044	.12638	.17123	241.15	46.484
SDev	.00076	.018	.00055	.00004	.00047	.11	.047
%RSD	10.906	.07748	.24850	.02910	.27267	.04466	.10212
#1	L-.00752	23.787	.22005	.12636	.17156	241.07	46.450
#2	L-.00644	23.813	.22083	.12641	.17090	241.22	46.517
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
.gh	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.9424	.00078	.16654	-.00193	6.5577	-.00054	13.856
SDev	.0116	.00203	.00232	.00013	.0785	.00074	.008
%RSD	.19495	260.05	1.3945	6.8804	1.1977	136.92	.06070
#1	5.9342	-.00065	.16818	-.00184	6.6132	-.00002	13.862
#2	5.9506	.00222	.16490	-.00203	6.5022	-.00106	13.850
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	.47979	.50456	.01917	-.00900	.00059	.05589	.04818
SDev	.00130	.00021	.00012	.00370	.00287	.00205	.00216
%RSD	.27050	.04261	.64265	41.090	490.45	3.6675	4.4801
#1	.48071	.50441	.01925	-.01162	.00262	.05734	.04666
#2	.47887	.50471	.01908	-.00639	-.00144	.05444	.04971
rrors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	110.00	5.5000	55.000				
Low	-.05000	-.02000	-.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
ge	.00383	.00606	.0446	.3075	1.607
SDev	.00022	.00359	.0009	.0006	.011
%RSD	5.6903	59.267	1.991	.1779	.6809
#1	.00398	.00352	.0440	.3071	1.614
#2	.00367	.00861	.0452	.3079	1.599
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	6153	--	--	--	--	--	--
SDev	59.73637	--	--	--	--	--	--
%RSD	.9707864	--	--	--	--	--	--
#1	6111	--	--	--	--	--	--
#2	6196	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DL3HR Operator: KT
Run Time: 09/29/00 09:14:50
C ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04379	.00387	-.00318	123.05	.04043	.64910	.00349
SDev	.00095	.00248	.00137	.00	.00031	.00240	.00004
%RSD	2.1737	64.014	43.024	.00387	.75923	.36939	1.1156
#1	.04312	.00562	-.00415	123.05	.04064	.64741	.00352
#2	.04447	.00212	-.00221	123.06	.04021	.65080	.00346
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.00609	45.976	.24839	.07989	.12301	210.96	57.517
SDev	.00044	.199	.00145	.00010	.00053	.48	.218
%RSD	7.2434	.43341	.58317	.12351	.42932	.22848	.37900
#1	L-.00640	45.835	.24737	.07996	.12338	210.62	57.363
#2	L-.00578	46.117	.24941	.07982	.12264	211.30	57.672
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.5502	.00441	.14504	-.00127	5.4194	.00428	13.071
SDev	.0165	.00347	.00035	.00006	.0764	.00005	.020
%RSD	.64601	78.530	.24077	4.9722	1.4106	1.1387	.15630
#1	2.5386	.00686	.14528	-.00122	5.4734	.00425	13.056
#2	2.5619	.00196	.14479	-.00131	5.3653	.00432	13.085
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	.40573	.50820	.01222	-.00624	.00294	.05050	.04045
SDev	.00132	.00225	.00435	.00294	.00178	.00182	.00052
%RSD	.32581	.44243	35.597	47.121	60.433	3.5953	1.2875
#1	.40480	.50661	.00914	-.00832	.00420	.04922	.04008
#2	.40667	.50979	.01530	-.00416	.00168	.05179	.04081
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	-.00150	.00655	.0330	.3655	1.753
SDev	.00249	.00247	.0011	.0015	.014
%RSD	166.51	37.698	3.198	.4087	.7766
#1	.00027	.00829	.0323	.3645	1.743
#2	-.00326	.00480	.0338	.3666	1.763
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	6243	--	--	--	--	--	--
SDev	46.18809	--	--	--	--	--	--
%RSD	.7397836	--	--	--	--	--	--
#1	6211	--	--	--	--	--	--
#2	6276	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DL3HW Operator: KT
Run Time: 09/29/00 09:21:22
C ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.27298	.00437	-.00222	211.14	.23544	1.8407	.00617
SDev	.00078	.00384	.00082	.19	.00593	.0018	.00009
%RSD	.28566	87.906	36.991	.08875	2.5178	.09700	1.3899
#1	.27243	.00709	-.00164	211.28	.23125	1.8395	.00611
#2	.27353	.00165	-.00280	211.01	.23963	1.8420	.00624
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	-.00272	45.161	.27114	.12098	.35063	259.25	54.594
SDev	.00008	.012	.00110	.00025	.00070	.05	.018
%RSD	2.9215	.02658	.40487	.20687	.19946	.01952	.03249
#1	-.00277	45.153	.27191	.12115	.35112	259.28	54.582
#2	-.00266	45.170	.27036	.12080	.35014	259.21	54.607
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	5.8760	.00214	.19167	-.00150	7.5610	.00041	11.872
SDev	.0059	.00691	.00064	.00008	.1555	.00297	.019
%RSD	.09967	323.18	.33244	5.6446	2.0568	729.63	.16202
#1	5.8719	.00702	.19212	-.00156	7.6709	-.00169	11.886
#2	5.8802	-.00275	.19122	-.00144	7.4510	.00250	11.859
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	.52720	.78877	.01303	-.00408	.00151	.27785	.27055
SDev	.00040	.00053	.00860	.00136	.00519	.00602	.00417
%RSD	.07627	.06708	66.064	33.252	344.43	2.1656	1.5425
#1	.52749	.78914	.01911	-.00504	.00518	.28210	.26760
#2	.52692	.78839	.00694	-.00312	-.00216	.27359	.27350
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	.00739	.00286	.3302	.4350	1.439
SDev	.00746	.00203	.0010	.0003	.003
%RSD	100.94	71.099	.3165	.0803	.2212
#1	.01266	.00430	.3310	.4348	1.441
#2	.00212	.00142	.3295	.4352	1.437
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	6397	--	--	--	--	--	--
SDev	44.83050	--	--	--	--	--	--
%RSD	.7007853	--	--	--	--	--	--
#1	6365	--	--	--	--	--	--
#2	6429	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DL3J1 Operator: KT
Run Time: 09/29/00 09:29:28
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02729	.00509	-.00523	108.62	.02399	.53131	.00294
SDev	.00063	.00169	.00277	.05	.00370	.00118	.00010
%RSD	2.2985	33.136	52.984	.04409	15.414	.22110	3.5523
#1	.02685	.00629	-.00719	108.66	.02138	.53048	.00287
#2	.02773	.00390	-.00327	108.59	.02660	.53214	.00301
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.00536	33.948	.25121	.07519	.10394	191.77	56.023
SDev	.00045	.015	.00151	.00053	.00048	.24	.117
%RSD	8.3999	.04407	.60091	.70179	.46043	.12268	.20848
#1	L-.00568	33.959	.25014	.07481	.10428	191.94	55.940
#2	L-.00504	33.938	.25227	.07556	.10360	191.61	56.105
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.4657	.00342	.13877	-.00093	4.6759	.00170	12.417
SDev	.0088	.00176	.00083	.00029	.1265	.00789	.010
%RSD	.35740	51.539	.59993	31.772	2.7044	464.86	.08085
#1	2.4595	.00466	.13818	-.00072	4.7653	-.00388	12.410
#2	2.4720	.00217	.13935	-.00114	4.5864	.00728	12.424
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	.34422	.46805	.01001	-.00875	.00181	.03450	.02369
SDev	.00102	.00066	.00904	.00422	.00013	.00300	.00244
%RSD	.29729	.14021	90.306	48.270	7.3120	8.7036	10.299
#1	.34495	.46759	.00362	-.01173	.00190	.03662	.02196
#2	.34350	.46852	.01640	-.00576	.00171	.03238	.02541
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	-.00006	.00767	.0217	.2896	2.327
SDev	.00595	.00044	.0002	.0006	.011
%RSD	9928.8	5.7210	.9467	.2063	.4632
#1	.00414	.00736	.0219	.2891	2.320
#2	-.00426	.00798	.0216	.2900	2.335
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	6071	--	--	--	--	--	--
SDev	60.33023	--	--	--	--	--	--
%RSD	.9938132	--	--	--	--	--	--
#1	6028	--	--	--	--	--	--
#2	6113	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DL3J2 Operator: KT
Run Time: 09/29/00 09:36:00
C ment:
M e: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.17705	.00742	-.00408	132.12	.05574	2.3632	.00357
SDev	.00242	.00025	.00631	.02	.00015	.0000	.00018
%RSD	1.3681	3.3943	154.72	.01714	.27200	.00126	5.1632
#1	.17534	.00724	-.00854	132.14	.05585	2.3632	.00370
#2	.17876	.00760	.00038	132.10	.05563	2.3632	.00344
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	.00353	54.796	.27066	.08213	.23147	168.70	40.430
SDev	.00034	.166	.00121	.00082	.00072	.08	.041
%RSD	9.5236	.30244	.44655	1.0036	.30998	.04741	.10070
#1	.00329	54.679	.26980	.08155	.23197	168.64	40.401
#2	.00377	54.914	.27151	.08272	.23096	168.75	40.459
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	3.5573	.00775	.23876	-.00032	5.0341	.00203	7.5577
SDev	.0120	.00005	.00030	.00045	.0645	.00033	.0013
%RSD	.33831	.58872	.12518	139.28	1.2815	16.073	.01769
#1	3.5488	.00771	.23897	-.00000	5.0797	.00226	7.5587
#2	3.5658	.00778	.23855	-.00064	4.9885	.00180	7.5568
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	.49213	.98485	.01498	-.00627	.00032	.18089	.17513
SDev	.00033	.00810	.00445	.00853	.00186	.00049	.00388
%RSD	.06767	.82265	29.678	135.99	578.73	.27235	2.2140
#1	.49190	.97912	.01813	-.01231	-.00099	.18124	.17239
#2	.49237	.99058	.01184	-.00024	.00163	.18055	.17787
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	.00705	.00760	.0811	.4187	1.493
SDev	.00088	.00082	.0007	.0006	.007
%RSD	12.467	10.745	.8838	.1315	.4676
#1	.00768	.00702	.0806	.4184	1.498
#2	.00643	.00818	.0816	.4191	1.488
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	6200	--	--	--	--	--	--
SDev	45.28315	--	--	--	--	--	--
%RSD	.7304228	--	--	--	--	--	--
#1	6168	--	--	--	--	--	--
#2	6232	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DL3J4 Operator: KT
Run Time: 09/29/00 09:44:06
C ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05563	.00197	-.00589	141.65	.04505	.73219	.00397
SDev	.00136	.00149	.00322	.30	.00227	.00206	.00005
%RSD	2.4480	75.482	54.643	.21430	5.0272	.28168	1.3715
#1	.05466	.00302	-.00816	141.44	.04665	.73073	.00401
#2	.05659	.00092	-.00361	141.87	.04344	.73365	.00393
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.00644	62.092	.27307	.13015	.14233	231.74	64.207
SDev	.00005	.234	.00224	.00065	.00012	.98	.362
%RSD	.78946	.37669	.81846	.49647	.08614	.42143	.56422
#1	L-.00640	61.926	.27149	.12970	.14241	231.05	63.951
#2	L-.00647	62.257	.27465	.13061	.14224	232.43	64.463
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.9899	.00628	.17201	-.00166	5.6838	.00008	14.579
SDev	.0332	.00022	.00200	.00036	.0492	.00606	.058
%RSD	1.1090	3.5304	1.1631	21.930	.86595	7408.9	.39855
#1	2.9665	.00612	.17059	-.00140	5.7186	.00437	14.538
#2	3.0134	.00644	.17342	-.00192	5.6490	-.00420	14.620
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	.43509	.58877	.01097	-.00843	-.00079	.06659	.05015
SDev	.00169	.00588	.00439	.00489	.00013	.00581	.00494
%RSD	.38936	.99920	40.000	57.983	16.798	8.7192	9.8509
#1	.43389	.58461	.00787	-.01189	-.00070	.07070	.04666
#2	.43629	.59293	.01407	-.00497	-.00088	.06249	.05364
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	-.00342	.00466	.0373	.4242	4.023
SDev	.00130	.00158	.0010	.0019	.037
%RSD	37.910	33.933	2.604	.4503	.9233
#1	-.00250	.00577	.0366	.4228	3.997
#2	-.00433	.00354	.0380	.4255	4.050
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High			110.0	5.500	55.00
Low			-.2000	-.0500	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	6139	--	--	--	--	--	--
SDev	58.26553	--	--	--	--	--	--
%RSD	.9490304	--	--	--	--	--	--
#1	6098	--	--	--	--	--	--
#2	6181	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DL3J5 Operator: KT
Run Time: 09/29/00 09:50:38
C ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02743	.00438	-.00054	97.588	.03658	.47656	.00255
SDev	.00040	.00219	.00046	.087	.00029	.00218	.00002
%RSD	1.4670	50.131	84.367	.08928	.79449	.45689	.92971
#1	.02715	.00593	-.00086	97.650	.03637	.47502	.00256
#2	.02771	.00283	-.00022	97.527	.03678	.47810	.00253
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	-.00454	31.978	.19164	.06606	.08622	170.68	49.296
SDev	.00023	.161	.00114	.00090	.00029	.68	.264
%RSD	5.0873	.50360	.59397	1.3695	.33670	.39582	.53486
#1	-.00470	31.864	.19084	.06542	.08643	170.21	49.109
#2	-.00438	32.092	.19245	.06670	.08602	171.16	49.482
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	2.1466	.00155	.12658	-.00087	3.8227	.00163	11.159
SDev	.0155	.00168	.00002	.00014	.1306	.00087	.055
%RSD	.72334	108.46	.01670	16.567	3.4173	53.123	.49443
#1	2.1356	.00274	.12657	-.00077	3.9151	.00225	11.120
#2	2.1576	.00036	.12660	-.00097	3.7304	.00102	11.198
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	.31753	.41545	.01428	-.00152	.00143	.03426	.02402
SDev	.00110	.00199	.00436	.00251	.00366	.00198	.00159
%RSD	.34472	.47872	30.572	164.73	255.64	5.7729	6.6212
#1	.31676	.41404	.01119	-.00330	.00402	.03565	.02290
#2	.31831	.41685	.01736	.00025	-.00116	.03286	.02515
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	.00551	.00381	.0258	.2335	1.814
SDev	.00319	.00170	.0014	.0014	.005
%RSD	57.886	44.534	5.562	.5908	.2787
#1	.00777	.00501	.0269	.2325	1.810
#2	.00326	.00261	.0248	.2344	1.817
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	6210	--	--	--	--	--	--
SDev	34.50667	--	--	--	--	--	--
%RSD	.5556344	--	--	--	--	--	--
#1	6186	--	--	--	--	--	--
#2	6235	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DL3J6 Operator: KT
Run Time: 09/29/00 09:58:44
C ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03928	.00609	-.00609	124.91	.04138	.61771	.00349
SDev	.00098	.00170	.00031	.35	.00252	.00248	.00012
%RSD	2.5009	27.994	5.1241	.28113	6.1018	.40071	3.4926
#1	.03858	.00729	-.00631	124.66	.04317	.61596	.00341
#2	.03997	.00488	-.00586	125.16	.03960	.61946	.00358
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	55.000	11.000	5.5000	550.00	11.000	11.000	11.000
Low	-.00500	-.00500	-.06000	-.20000	-.01000	-.02000	-.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.00655	37.395	.25224	.08074	.13094	209.20	59.028
SDev	.00083	.002	.00039	.00016	.00023	.45	.266
%RSD	12.690	.00613	.15295	.19793	.17518	.21497	.45112
#1	L-.00596	37.394	.25197	.08063	.13110	208.88	58.839
#2	L-.00714	37.397	.25251	.08085	.13078	209.52	59.216
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
igh	11.000	770.00	55.000	110.00	55.000	1100.0	1100.0
Low	-.00500	-5.0000	-.01000	-.05000	-.02500	-.10000	-5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.5788	.00398	.14876	-.00141	4.3624	.00552	13.131
SDev	.0146	.00011	.00146	.00037	.1004	.00162	.036
%RSD	.56487	2.7159	.98481	26.564	2.3007	29.360	.27449
#1	2.5685	.00390	.14772	-.00115	4.4334	.00667	13.105
#2	2.5891	.00406	.14979	-.00167	4.2914	.00438	13.156
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	.38679	.52206	.01861	-.00972	.00119	.04591	.03597
SDev	.00105	.00279	.00440	.00172	.00438	.00089	.00192
%RSD	.27261	.53412	23.645	17.674	366.93	1.9462	5.3347
#1	.38604	.52009	.01550	-.00850	-.00190	.04654	.03461
#2	.38753	.52404	.02172	-.01093	.00429	.04528	.03733
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	.00656	.00585	.0271	.3149	1.888
SDev	.00155	.00178	.0001	.0013	.010
%RSD	23.692	30.404	.4640	.4122	.5450
#1	.00766	.00711	.0272	.3140	1.880
#2	.00546	.00459	.0270	.3158	1.895
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	6128	--	--	--	--	--	--
SDev	29.55727	--	--	--	--	--	--
%RSD	.4823299	--	--	--	--	--	--
#1	6107	--	--	--	--	--	--
#2	6149	--	--	--	--	--	--

Method: QTESTNAK Sample Name: CCVT Operator: KT
Run Time: 09/29/00 10:05:16
(ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49602	.48376	.49311	23.593	.49143	1.9602	2.1006
SDev	.00227	.00034	.00064	.043	.00020	.0060	.0106
%RSD	.45834	.07122	.12900	.18340	.04010	.30398	.50651
#1	.49763	.48401	.49266	23.624	.49129	1.9644	2.1081
#2	.49441	.48352	.49356	23.563	.49157	1.9560	2.0931
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	.51551	106.46	2.1176	2.0493	1.8654	26.054	100.39
SDev	.00216	.65	.0103	.0101	.0046	.129	.38
%RSD	.41835	.61350	.48600	.49082	.24428	.49623	.37698
#1	.51703	106.92	2.1248	2.0564	1.8686	26.146	100.66
#2	.51398	106.00	2.1103	2.0422	1.8622	25.963	100.12
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	2.0997	1.9984	2.0437	.99789	47.241	.93918	2.0315
SDev	.0112	.0069	.0069	.00498	.145	.00630	.0127
%RSD	.53322	.34421	.33928	.49925	.30660	.67102	.62617
#1	2.1076	1.9935	2.0486	1.0014	47.138	.94364	2.0405
#2	2.0918	2.0033	2.0388	.99437	47.343	.93472	2.0225
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	2.0663	2.0996	1.9320	.49346	.49242	.49736	.49536
SDev	.0185	.0116	.0033	.00249	.00307	.00313	.00185
%RSD	.89316	.55026	.16967	.50432	.62435	.62966	.37246
#1	2.0794	2.1077	1.9343	.49170	.49459	.49957	.49666
#2	2.0533	2.0914	1.9297	.49522	.49024	.49514	.49405
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	.49705	.47713	1.958	2.019	1.927
SDev	.00541	.00219	.000	.008	.006
%RSD	1.0889	.45808	.0033	.3834	.2935
#1	.50088	.47558	1.958	2.025	1.931
#2	.49322	.47867	1.958	2.014	1.923
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	5949	--	--	--	--	--	--
SDev	24.55090	--	--	--	--	--	--
%RSD	.4126868	--	--	--	--	--	--
#1	5932	--	--	--	--	--	--
#2	5966	--	--	--	--	--	--

Method: QTESTNAK Sample Name: CCBT, Operator: KT
Run Time: 09/29/00 10:15:26
C ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00151	-.00054	.00244	-.01398	.00137	.00013	-.00019
SDev	.00015	.00427	.00075	.00896	.00132	.00000	.00015
%RSD	9.6903	787.06	30.909	64.053	96.218	.31295	80.703
#1	-.00141	.00248	.00191	-.02032	.00230	.00013	-.00008
#2	-.00162	-.00356	.00297	-.00765	.00044	.00013	-.00029
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	-.00016	.02009	.00071	.00010	-.00052	.01300	.00765
SDev	.00022	.00035	.00001	.00000	.00002	.01095	.00181
%RSD	142.90	1.7263	.65398	.52001	3.7290	84.219	23.592
#1	-.00031	.02034	.00071	.00010	-.00050	.00526	.00893
#2	.00000	.01985	.00070	.00010	-.00053	.02075	.00638
rrors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
alue	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00003	.00110	.00115	.00088	.33203	.00554	.00096
SDev	.00000	.00001	.00073	.00015	.02494	.00129	.00039
%RSD	2.3389	.62106	63.697	17.510	7.5109	23.277	40.448
#1	-.00002	.00110	.00063	.00099	.31439	.00463	.00069
#2	-.00003	.00109	.00167	.00077	.34966	.00645	.00124
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	-.00007	-.00095	.00143	.00172	.00388	.00148	-.00301
SDev	.00000	.00001	.00003	.00128	.00029	.00119	.00038
%RSD	2.5051	1.1543	1.9887	74.102	7.5123	80.623	12.511
#1	-.00007	-.00094	.00141	.00082	.00408	.00232	-.00327
#2	-.00007	-.00095	.00145	.00262	.00367	.00064	-.00274
rrors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.00000	.00000	.00000				
Range	.05000	.02000	.10000				

Elem	1960_1	1960_2	B_2496	Sr4215	Si2881

Units			ppm	ppm	ppm
ge	.00889	-.00525	.0029	<.0000	<.0000
SDev	.00342	.00469	.0000	.0000	.0016
%RSD	38.512	89.348	.0976	.0000	10.78
#1	.01131	-.00193	.0029	<.0000	<.0000
#2	.00647	-.00857	.0029	<.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	6067	--	--	--	--	--	--
SDev	9.164076	--	--	--	--	--	--
%RSD	.1510509	--	--	--	--	--	--
#1	6060	--	--	--	--	--	--
#2	6073	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DL3J7 Operator: KT
Run Time: 09/29/00 10:21:24
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.11392	-.00439	-.00202	255.32	1.5985	2.5594	.00725
SDev	.00225	.00073	.00108	.20	.0141	.0016	.00005
%RSD	1.9763	16.688	53.494	.07881	.87989	.06115	.61883
#1	.11232	-.00387	-.00278	255.18	1.5885	2.5583	.00729
#2	.11551	-.00491	-.00125	255.46	1.6084	2.5605	.00722
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	-.00282	85.264	.37614	.15844	.22454	341.49	92.074
SDev	.00047	.238	.00170	.00173	.00085	.63	.182
%RSD	16.569	.27943	.45147	1.0921	.37852	.18515	.19717
#1	-.00315	85.096	.37494	.15967	.22514	341.04	91.946
#2	-.00249	85.433	.37734	.15722	.22394	341.93	92.202
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	3.7830	.00152	.24819	-.00171	5.6426	.00338	11.322
SDev	.0124	.00350	.00045	.00007	.0808	.00023	.017
%RSD	.32725	231.28	.18216	3.9712	1.4312	6.7847	.15411
#1	3.7742	.00399	.24851	-.00166	5.6997	.00354	11.309
#2	3.7918	-.00096	.24787	-.00176	5.5855	.00321	11.334
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	27.500	27.500	110.00	2.2000	5000.0	22.000	55.000
Low	-.01500	-.04000	-.04000	-.01000	-5.0000	-.01000	-.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.63182	.74098	.02347	-.00377	.00149	.11991	.11092
SDev	.00196	.00258	.00914	.00195	.00067	.00236	.00220
%RSD	.30998	.34866	38.945	51.882	45.311	1.9655	1.9822
#1	.63044	.73915	.02994	-.00515	.00196	.11825	.10937
#2	.63321	.74280	.01701	-.00239	.00101	.12158	.11248
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	-.00069	-.00624	.0517	.4032	1.086
SDev	.00424	.00322	.0002	.0005	.000
%RSD	616.45	51.592	.4703	.1202	.0087
#1	-.00369	-.00396	.0519	.4029	1.086
#2	.00231	-.00851	.0516	.4036	1.086
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	6077	--	--	--	--	--	--
SDev	29.16125	--	--	--	--	--	--
%RSD	.4798705	--	--	--	--	--	--
#1	6056	--	--	--	--	--	--
#2	6098	--	--	--	--	--	--

Method: QTESTNAK Sample Name: DL4NV 5X Operator: KT
Run Time: 09/29/00 10:28:19
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00614	-.00137	-.00132	1.7711	.04040	.01503	-.00044
SDev	.00152	.00256	.00022	.0097	.00428	.00027	.00000
%RSD	24.782	186.85	16.710	.54576	10.582	1.8182	1.0544
#1	.00507	.00044	-.00116	1.7779	.03738	.01523	-.00044
#2	.00722	-.00318	-.00147	1.7643	.04342	.01484	-.00045
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	-.00002	757.03	.00294	.00636	.00134	2.0352	4.2941
SDev	.00005	1.04	.00030	.00087	.00016	.0090	.0215
%RSD	293.22	.13686	10.113	13.740	11.865	.44096	.50115
#1	.00002	757.76	.00315	.00698	.00122	2.0416	4.3094
#2	-.00006	756.30	.00273	.00574	.00145	2.0289	4.2789
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	1.1318	-.00111	.01670	.00077	.50240	.00326	.11786
SDev	.0037	.00401	.00072	.00033	.02503	.00398	.00136
%RSD	.32402	359.40	4.3056	43.249	4.9827	122.16	1.1529
#1	1.1344	.00172	.01619	.00053	.52010	.00608	.11882
#2	1.1292	-.00395	.01721	.00100	.48470	.00044	.11690
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	.00646	.00894	.00331	-.00230	.00065	.01092	.00376
SDev	.00052	.00006	.00478	.00031	.00004	.00221	.00118
%RSD	8.0042	.72387	144.32	13.435	6.4573	20.290	31.289
#1	.00609	.00899	.00669	-.00208	.00068	.00935	.00293
#2	.00683	.00889	-.00007	-.00251	.00062	.01248	.00459
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

002167

Units			ppm	ppm	ppm
ge	.01250	-.00830	.0020	.4460	.3341
SDev	.00047	.00360	.0014	.0023	.0068
%RSD	3.8026	43.389	70.20	.5057	2.044
#1	.01284	-.00575	.0031	.4476	.3389
#2	.01217	-.01084	.0010	.4444	.3292
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	5641	--	--	--	--	--	--
SDev	25.65368	--	--	--	--	--	--
%RSD	.4547671	--	--	--	--	--	--
#1	5623	--	--	--	--	--	--
#2	5659	--	--	--	--	--	--

Analysis Report 09/29/00 10:42:19 AM page 1

Method: QTESTNAK Sample Name: CCVT Operator: KT
Run Time: 09/29/00 10:36:25
Comment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50092	.49045	.49997	23.953	.49700	1.9793	2.1364
SDev	.00057	.00646	.00032	.012	.00070	.0046	.0012
%RSD	.11290	1.3174	.06324	.05136	.14156	.23168	.05773
#1	.50132	.49502	.50019	23.945	.49651	1.9761	2.1373
#2	.50052	.48588	.49974	23.962	.49750	1.9826	2.1355
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	.52496	108.24	2.1460	2.0764	1.8903	26.519	101.44
SDev	.00255	.25	.0032	.0013	.0044	.049	.13
%RSD	.48652	.22910	.14684	.06448	.23063	.18323	.12984
#1	.52677	108.42	2.1482	2.0774	1.8873	26.554	101.35
#2	.52316	108.06	2.1437	2.0755	1.8934	26.485	101.53
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	2.1280	2.0353	2.0731	1.0126	47.881	.95764	2.0507
SDev	.0017	.0175	.0065	.0017	.090	.00016	.0013
%RSD	.07950	.86003	.31376	.16720	.18716	.01682	.06397
#1	2.1292	2.0229	2.0777	1.0138	47.818	.95752	2.0516
#2	2.1268	2.0477	2.0685	1.0114	47.945	.95775	2.0497
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	2.0909	2.1321	1.9596	.50262	.49466	.50192	.50042
SDev	.0029	.0064	.0049	.00029	.00037	.00315	.00242
%RSD	.13722	.30101	.25167	.05715	.07563	.62728	.48354
#1	2.0929	2.1367	1.9561	.50282	.49492	.49969	.50213
#2	2.0888	2.1276	1.9631	.50241	.49439	.50414	.49871
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	.49904	.48616	1.972	2.041	1.943
SDev	.00890	.00524	.009	.002	.000
%RSD	1.7837	1.0784	.4313	.1071	.0157
#1	.50534	.48987	1.966	2.040	1.943
#2	.49275	.48246	1.978	2.043	1.943
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	5884	--	--	--	--	--	--
SDev	.8203543	--	--	--	--	--	--
%RSD	.0139412	--	--	--	--	--	--
#1	5885	--	--	--	--	--	--
#2	5884	--	--	--	--	--	--

Analysis Report QC Standard 09/29/00 10:50:25 AM page 1

Method: QTESTNAK Sample Name: CCBT' Operator: KT
R··· Time: 09/29/00 10:44:31
C ment:
Mode: CONC Corr. Factor: 1

Elem	Pb2203	Se1960	Sb2068	Al3082	As1890	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00065	.00087	-.00004	.00499	.00144	.00013	.00003
SDev	.00112	.00173	.00079	.00563	.00166	.00000	.00015
%RSD	171.50	199.01	2234.6	112.80	115.82	.63244	500.96
#1	-.00014	-.00035	.00052	.00898	.00261	.00013	.00014
#2	.00144	.00210	-.00059	.00101	.00026	.00013	-.00008
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.00500	.06000	.20000	.01000	.02000	.00500

Elem	Cd_tr	Ca3179	Cr_tr	Co2286	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00005	.02128	.00081	.00010	-.00090	.01542	.00768
SDev	.00005	.00071	.00014	.00000	.00017	.00008	.00180
%RSD	111.48	3.3298	16.824	3.3402	19.097	.53906	23.395
#1	-.00008	.02178	.00091	.00010	-.00102	.01536	.00895
#2	-.00001	.02078	.00072	.00010	-.00078	.01548	.00641
rrors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	5.0000	.01000	.05000	.02500	.10000	5.0000

Elem	Mn2576	Mo2020	Ni2316	Ag_tr	Na3302	Tl1908	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00002	-.00020	.00115	.00099	.27199	.00236	.00068
SDev	.00000	.00185	.00074	.00000	.04098	.00247	.00001
%RSD	5.1924	945.78	64.277	.07661	15.067	104.50	.74933
#1	-.00002	-.00151	.00063	.00100	.30097	.00411	.00068
#2	-.00002	.00111	.00167	.00099	.24301	.00062	.00068
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.01500	.04000	.04000	.01000	5.0000	.01000	.05000

Elem	V_2924	Zn2138	Sn1899	2068_1	2068_2	2203_1	2203_2
Units	ppm	ppm	ppm				
Avge	.00030	-.00159	.00132	-.00101	.00191	.00239	-.00022
SDev	.00051	.00095	.00915	.00094	.00424	.00040	.00188
%RSD	172.29	59.936	694.91	93.027	221.80	16.720	866.24
#1	-.00007	-.00091	-.00515	-.00167	.00491	.00268	-.00154
#2	.00066	-.00226	.00778	-.00034	-.00109	.00211	.00111
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	.01158	-.00447	.0029	<.0000	<.0000
SDev	.00535	.00007	.0000	.0000	.0007
%RSD	46.180	1.5948	.1987	.0000	4.168
#1	.00780	-.00442	.0029	<.0000	<.0000
#2	.01536	-.00452	.0029	<.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	6036	--	--	--	--	--	--
SDev	18.52634	--	--	--	--	--	--
%RSD	.3069439	--	--	--	--	--	--
#1	6023	--	--	--	--	--	--
#2	6049	--	--	--	--	--	--

RQC057

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

Run Date: 9/27/00
Time: 12:09:29

BATCH NUMBER: **0271275**

PREP DATE: 9/27/00
DUE DATE 10/03/00

INITIALS: EL

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0I260285 SOLID	DL3EX TO DUE DATE: 10/03/00	01	X 1.01 g	____g	____g	____g
	DL3EXS		1.01 g	____g	____g	____g
	DL3EXD		1.01 g	____g	____g	____g
E0I260285 SOLID	DL3FW TO DUE DATE: 10/03/00	01	X 0.99 g	____g	____g	____g
E0I260285 SOLID	DL3G0 TO DUE DATE: 10/03/00	01	X 0.99 g	____g	____g	____g
E0I260285 SOLID	DL3G3 TO DUE DATE: 10/03/00	01	X 1.01 g	____g	____g	____g
E0I260285 SOLID	DL3G6 TO DUE DATE: 10/03/00	01	X 1.01 g	____g	____g	____g
E0I260285 SOLID	DL3G7 TO DUE DATE: 10/03/00	01	X 1.01 g	____g	____g	____g
E0I260285 SOLID	DL3G8 TO DUE DATE: 10/03/00	01	X 0.99 g	____g	____g	____g
E0I260285 SOLID	DL3G9 TO DUE DATE: 10/03/00	01	X 0.99 g	____g	____g	____g
E0I260285 SOLID	DL3GC TO DUE DATE: 10/03/00	01	X 1.0 g	____g	____g	____g
E0I260285 SOLID	DL3GD TO DUE DATE: 10/03/00	01	X 1.0 g	____g	____g	____g
E0I260285 SOLID	DL3GE TO DUE DATE: 10/03/00	01	X 1.01 g	____g	____g	____g
E0I260285 SOLID	DL3GF TO DUE DATE: 10/03/00	01	X 1.01 g	____g	____g	____g
E0I260285 SOLID	DL3GJ TO DUE DATE: 10/03/00	01	X 1.01 g	____g	____g	____g
E0I260285 SOLID	DL3GK TO DUE DATE: 10/03/00	01	X 1.01 g	____g	____g	____g

RQC057

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

Run Date: 9/27/00
Time: 12:09:29

BATCH NUMBER: **0271275**

PREP DATE: 9/27/00
DUE DATE 10/03/00

INITIALS: EI

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0I260285	DL3GM	01	X 0.99 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/03/00			
E0I260285	DL3GN	01	X 1.01 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/03/00			
E0I260285	DL3GP	01	X 1.01 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/03/00			
E0I260285	DL3GR	01	X 1.01 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/03/00			
E0I260285	DL3GW	01	X 0.99 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/03/00			
E0I260285	DL3GX	01	X 1.0 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/03/00			
E0I270000	DL4J0B	01	X 1.0 g	_____g	_____g	_____g
SOLID	DUE DATE:		0/00/00			
	DL4J0C		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: 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 _____

RQC057

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

Run Date: 9/27/00
Time: 12:09:29

BATCH NUMBER: **0271275**

PREP DATE: 9/27/00
DUE DATE 10/03/00

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	_____	_____	____	___	___

BOE-C6-0157742

STL LOS ANGELES

Précis
Metals Preparation

Batch: 0271275
The following information applies to all samples associated with the above batch number.

Prepared By: JTM
Reviewed By: [illegible]

Date/Time Initiated: 9/27/00 / 1600
Date/Time Completed: 9/28/00 / 12:00 noon

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

Thermometer # M-H-04

Spike Standards for LCS and MS/MSD samples.

	Volume	Lot #	Exp. Date
1. QSPK1A	1.0 mL	QSPK1A-063000-2	01/2002
2. QSPK1B	1 mL	QSKP1B-072000-1	07/2001
3. QSPK2A	1 mL	QSPK2A 072000-1	04/2002
4. QSPK2B	1 mL	QSPK2B-072000-1	12/2001

Reagents	Volume	Lot #
HNO_3	10 mL	6623 T09A058
H_2O_2	4 mL	001185
HCl	10 mL	5587 N41A07

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

Method 3050B

- Step 1. Thoroughly mix and weigh 1.0g (±0.01g) sample.
- Step 2. Add 10 mL of 1:1 HNO_3 .
- Step 3. Cover and heat at 95°C for 10 min.
- Step 4. Cool and add 5 mL conc. HNO_3, cover and heat at 95 °C for 30 min.
- Step 5. If brown fumes observed, repeat last step until no fumes are evolved.
- Step 6. Reduce volume to approx. 5 mL or heat for 2 hours. — 6:30 PM
- Step 7. Cool and add 2 mL of water and 3 Ml of 30% H_2O_2.
- Step 8. Heat until effervescence subsides.
- Step 9. Cool and add 1 mL H_2O_2 with heat effervescence is minimal.
- Step 10. Reduce volume to approx. 5 mL or heat for 2 hours. 9:00 pm
- Step 11. Add 10 mL of conc. HCl and heat for 15 min.
- Step 12. Cool, rinse and filter sample with DI water.
- Step 13. Dilute to100 mL with DI water and mix sample.

Redigestion required - Samples/Reason: _____
Requested By: _____ Date: _____ Completed By: _____ Date: _____

Digestate Chain-of-Custody:
Relinquished By: [illegible] Date: ~~9/27/00~~ 9/28/00 Received By: [illegible] Date: 9/28/00

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09/14/00

002176

STL LOS ANGELES

Précis
Metals Preparation

Batch: 0271295
The following information applies to all samples associated with the above batch number.

Prepared By: JM
Reviewed By: [illegible]

Date/Time Initiated: 9/27/00 / 1930
Date/Time Completed: 09/28 / 1645

Hot Plate/Block # ~~#2~~ 1 Temp* 99 °C
*Thermometer correction applied. (CF +1.0 °C)

Thermometer # M-H-04

Spike Standards for LCS and MS/MSD samples.

	Volume	Lot #	Exp. Date
1. QSPK1A	1 mL	QSPK1A-063000-2	01/2002
2. QSPK1B	1 mL	QSKP1B-072000-1	07/2001
3. QSPK2A	NA mL	QSPK2A 072000-1	04/2002
4. QSPK2B	1 mL	QSPK2B-072000-1	12/2001

Reagents	Volume	Lot #
HNO_3	10 mL	6623 T09A058
H_2O_2	4 mL	001185
HCl	10.0 mL	5587 N41A07

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

Method 3050B

Step 1. Thoroughly mix and weigh 1.0g (±0.01g) sample.
Step 2. Add 10 mL of 1:1 HNO_3.
Step 3. Cover and heat at 95°C for 10 min.
Step 4. Cool and add 5 mL conc. HNO_3, cover and heat at 95 °C for 30 min.
Step 5. If brown fumes observed, repeat last step until no fumes are evolved.
Step 6. Reduce volume to approx. 5 mL or heat for 2 hours. @ 10 pm
Step 7. Cool and add 2 mL of water and 3 Ml of 30% H_2O_2.
Step 8. Heat until effervescence subsides.
Step 9. Cool and add 1 mL H_2O_2 with heat effervescence is minimal.
Step 10. Reduce volume to approx. 5 mL or heat for 2 hours. — 11:30
Step 11. Add 10 mL of conc. HCl and heat for 15 min.
Step 12. Cool, rinse and filter sample with DI water.
Step 13. Dilute to100 mL with DI water and mix sample.

Redigestion required - Samples/Reason: _____
Requested By: _____ Date: _____ Completed By: _____ Date: _____

Digestate Chain-of-Custody:
Relinquished By: [illegible] Date: 09/28/00 Received By: [illegible] Date: 09/28/00

N:\inorganics\metals\forms\Q_prep
09/14/00

002177

BOE-C6-0157744

RQC057

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

Run Date: 9/27/00
Time: 12:21:17

BATCH NUMBER: **0271295**

PREP DATE: 9/27/00
DUE DATE 10/03/00

INITIALS: EI/JR

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0I260285	DL3H3	01	X 1.01 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/03/00			
	DL3H3S		1.01 g	_____g	_____g	_____g
	DL3H3D		1.01 g	_____g	_____g	_____g
E0I260285	DL3H4	01	X 1.01 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/03/00			
E0I260285	DL3H5	01	X 1.0 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/03/00			
E0I260285	DL3H6	01	X 1.0 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/03/00			
E0I260285	DL3H7	01	X 1.0 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/03/00			
E0I260285	DL3H8	01	X 1.01 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/03/00			
E0I260285	DL3H9	01	X 0.99 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/03/00			
E0I260285	DL3HD	01	X 1.01 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/03/00			
E0I260285	DL3HF	01	X 1.01 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/03/00			
E0I260285	DL3HG	01	X 1.0 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/03/00			
E0I260285	DL3HH	01	X 1.0 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/03/00			
E0I260285	DL3HJ	01	X 1.01 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/03/00			
E0I260285	DL3HR	01	X 0.99 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/03/00			
E0I260285	DL3HW	01	X 1.0 g	_____g	_____g	_____g
SOLID	TO DUE DATE:		10/03/00			

RQC057

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

Run Date: 9/27/00
Time: 12:21:17

BATCH NUMBER: **0271295**

PREP DATE: 9/27/00
DUE DATE 10/03/00

INITIALS: JK

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
E0I260285	DL3J1	01	X 1.01 g	_____ g	_____ g	_____ g
SOLID	TO DUE DATE:		10/03/00			
E0I260285	DL3J2	01	X 1.01 g	_____ g	_____ g	_____ g
SOLID	TO DUE DATE:		10/03/00			
E0I260285	DL3J4	01	X 1.0 g	_____ g	_____ g	_____ g
SOLID	TO DUE DATE:		10/03/00			
E0I260285	DL3J5	01	X 1.0 g	_____ g	_____ g	_____ g
SOLID	TO DUE DATE:		10/03/00			
E0I260285	DL3J6	01	X 0.99 g	_____ g	_____ g	_____ g
SOLID	TO DUE DATE:		10/03/00			
E0I260285	DL3J7	01	X 1.0 g	_____ g	_____ g	_____ g
SOLID	TO DUE DATE:		10/03/00			
E0I270000	DL4LHB	01	X 1.0 g	_____ g	_____ g	_____ g
SOLID	DUE DATE:		0/00/00			
	DL4LHC		1.02 g	_____ g	_____ g	_____ g

LEVEL 2
BLANK AND CHECK STANDARD ON BATCH _____
MS/MSD AND PDS ON BATCH _____
CURVE PREPPED FOR HG _____
CORRECT SPIKES ADDED _____
SPIKING SOLUTIONS DOCUMENTED ON BATCH LOG _____

COMMENTS: F.V. = 100 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: 9/27/00
Time: 12:21:17

BATCH NUMBER: **0271295**

PREP DATE: 9/27/00
DUE DATE 10/03/00

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	_____	_____	____	___	___