

RECEIVED SEP 18 1996

# CAMBRIA Environmental Technology, Inc.

1144 65th Street, Suite C • Oakland, CA 94608 • (510) 420-0700 • Fax (510) 420-9170

## FAX TRANSMITTAL

**TO:** Ms. Susan Beth Bowden  
**COMPANY:** Crosby, Heafey, Roach and May  
**FAX NUMBER:** (510) 273-8832  
**SUBJECT:** Chromatograms

**FROM:** Joseph P. Theisen  
**DATE:** September 16, 1996  
**PROJECT NUMBER:** 19-122-10  
**PAGES TO FOLLOW:** 1  
**HARD COPY TO FOLLOW:** Yes

**Dear Ms. Bowden:**

Enclosed please find the promised chromatograms. Unfortunately, NET could not assemble all of them in one batch. I will call you with a final delivery date as soon as I hear from NET.

Thank you.

*J.P.T.*

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NATIONAL  
ENVIRONMENTAL  
TESTING, INC.

Santa Rosa Division  
3636 North Laughlin Road  
Suite 110  
Santa Rosa, CA 95403-8226  
Tel. (707) 526-7200  
Fax: (707) 541-2333

September 13, 1996

Joe Theisen  
Cambria Environmental  
1144 65th Street, Suite C  
Oakland, CA 94608

Dear Mr. Theisen:

Per your fax request for chromatograms on September 5, 1996 I have enclosed some of them.

I am currently waiting for the remainder of the chromatograms from NET, Burbank.

94.06162-231617: Creosote, Gasoline, BTEX, 8010, 8270

94.04411-217426: Gasoline, BTEX Unable to provide at this time, hard copy data and tapes are currently at Lockheed for review.

94.04411-217426: 8010 pending , NET-Burbank

94.04411-217438: Gasoline, BTEX pending, NET-Burbank

94.04411-217439: Gasoline, BTEX pending, NET-Burbank

94.04411-217444: Gasoline, BTEX, 8010 pending, NET-Burbank

94.04411-217445: Gasoline, BTEX, 8010 pending, NET-Burbank

The remainder of the chromatograms will be forwarded as soon as they are available. Please call if I can be of any further assistance at 707-541-2307.

Sincerely,

A handwritten signature in cursive script that reads "Judy Ridley".

Judy Ridley  
Project Coordinator

National Brand  
43-571  
Made in USA

HP2WK15 1 of 2

12/28/94

A/B 7909

Run #	Sample #	Vol	ulw0837 BFB 5ml	MW TDW	DIL	PORT	port 16
1	Blank	5ml			-	1	1
2	BTEX STD W0825	+5ml W0825			-	2	2
3	Gas STD W0825	+5ml W0825			-	3	3
4	Blank				-	4	4
5	6227-231948	see rr #15			-	5	5
6	231948MS	+5ml W0825			-	6	6
7	231948MS0	+5ml W0825			-	7	7
8	6227-231941	500ul			10x	8	8
9	231942	5ml			-	9	
10	231943	250ul			20x	10	
11	231944	5ml			-	11	
12	231945	500ul			10x	12	
13	231946	250ul			20x	13	
14	231947	5ml			-	14	
15	6227-231948	↓			-	15	
16	06140-231514 (no BFB)	5ml	5ml	3m	-	16	
17	231516 (B, E)	500ul + 5ml	5ml	2m	10x	17	1
18	06040-231038 (BTEX)	10ul + 5ml	5ml	2m	500x	18	2-
19	06104-231279 (AII)	500ul + 5ml	5ml	2m	10x	19	3
20	06162-231617 (B)	100ul + 5ml		2m	50x	20	4
21	231617 (others)	500ul + 5ml		↓	10x	21	5
22	06138-231997 (G, B, T)	5ml		↓	-	22	6
23	6227-231949	↓		TDW	-	23	7
24	231950	250ul		↓	10x	24	8
25	231951	5ml		Di.7	-	25	9
26	231952				-	26	10
27	231953	25ul + 5ml			(200x)	27	11
28	231954	5ml			-	28	12
29	231955				-	29	13
30	231956				-	30	14
31	231957				-	31	15

2 of 2

12/28/94

A/B 7909

HP2WK15

4BFB  
W0828

Int Dil Port

Rvn#	ID	Vol	4BFB W0828	Int Dil Port
32	6227-231958	5.0ml	Sol	16
33	-231959	5.0ml		1
34	-231959ms	1+5ml: water		2
35	-231959msD			3
36	-231960	500ml		104 4
37	-231961	5.0ml		5
38	6038-231012	5.0ml		6
39	Gas W0828	5ml: 1000ng/ml		7
40	BLANK	5.0ml		8



NATIONAL ENVIRONMENTAL TESTING, INC.

DATE 12, 28, 94  
 LOG # G27909W1  
 PAGE 1 OF       
 ANALYST Jm

GASOLINE/BTEX CALIBRATION VERIFICATION

*just*

RUN #    SAMPLE    R.T.    % EXPECTED

3	STD W0828	----	1.12   1.00	112.7%	GASOLINE
				115.7%	SURROGATE

COMMENTS: B @ 22.6  
T @ 83.8

RUN #    SAMPLE    R.T.    % EXPECTED

2	STD W0825	3.88	4.60   5.0	92.7%	BENZENE
		5.89	4.48	90.7%	TOLUENE
		8.47	4.99	100.7%	ETH. BENZENE
		8.73	9.65   10.0	96.7%	XYLENE M.P.
		9.54	5.29   5.0	106.7%	XYLENE O.
		10.63		111.7%	SURROGATE

COMMENTS: TOTAL X 14.9 / 15.0 = 100.7%



NATIONAL ENVIRONMENTAL TESTING, INC.

DATE 12/20/94  
 LOG# G27909W1  
 ANALYST JMH  
 PAGE 2 OF     

GASOLINE/BTEX  
 QC FORM

RUN#	SAMPLE #	CALCULATIONS	CONC*	IDENTITY
1	BLANK (DI H2O)		ND	GASOLINE
0				BENZENE
				TOLUENE
				ETHYLBENZENE
				XYLENES, TOTAL
				93.7%
15	6227-231948		ND	GASOLINE
MASS WT: g VOL: 5.0 mL	e			BENZENE
				TOLUENE
				ETHYLBENZENE
				XYLENES, TOTAL
				101.9%

RUN#	SAMPLE #	CALCULATIONS	% RECOVERY	RPD	IDENTITY			
6	231948 SPK	1.13 / 1.00	113.7%	---	GASOLINE			
MASS WT: g VOL: mL				---	BENZENE			
					23.5 / 22.6	104.7%	TOLUENE	
					85.3 / 83.8	102.7%	ETHYLBENZENE	
						125.7%	XYLENES, TOTAL	
					SURROGATE			
7	231948 SPKR	1.15 / 1.00	115.7%	1.87%	GASOLINE			
MASS WT: g VOL: mL				---	BENZENE			
					23.9 / 22.6	106.7%	1.97%	TOLUENE
					87.3 / 83.8	104.7%	1.97%	ETHYLBENZENE
						121.7%	---	XYLENES, TOTAL
					SURROGATE			

GASQC



NATIONAL ENVIRONMENTAL TESTING, INC.

DATE 12/28/94  
 LOG# GZ7909W1  
 ANALYST JMT  
 PAGE 5 OF     

GASOLINE/BTEX CALCULATION FORM

RUN#	SAMPLE #	RT	CALCULATIONS	CONC.*	IDENTITY	
17	6140-231516		-	(3.1)	GASOLINE	
	MASS	DF: 1/10		90.	BENZENE	
	WT: g	FOR B, E U		(4.7)	TOLUENE	
	VOL: mL			96.	ETHYLBENZENE	
				(14.)	XYLENES, TOTAL	
				113.9%	SURROGATE	
18	6040-231038			(85.)	GASOLINE	
	MASS	DF: 1/500		8,300.	BENZENE	
	WT: g	FOR BTEX L C5-C14		5,000.	TOLUENE	
	VOL: mL			2,400.	ETHYLBENZENE	
				10,000.	XYLENES, TOTAL	
				108.9%	SURROGATE	
19	6104-231279			4.2	GASOLINE	
	MASS	DF: 1/10		11.	BENZENE	
	WT: g	FOR ALL U C5-C14		ND	TOLUENE	
	VOL: mL			240.	ETHYLBENZENE	
				300.	XYLENES, TOTAL	
				116.9%	SURROGATE	
20	6162-231617				GASOLINE	
	MASS	DF: 1/50		1,900.	BENZENE	
	WT: g	FOR B L SEE RUN #21 FOR REST OF THIS SAMPLE			TOLUENE	
	VOL: mL					ETHYLBENZENE
						XYLENES, TOTAL
					108.9%	SURROGATE

\* For GASOLINE, units are mg/Kg for soils, and mg/L for waters. For BTEX, units are ug/Kg for soils, and ug/L for waters.



NATIONAL ENVIRONMENTAL TESTING, INC.

DATE 12, 28, 94  
 LOG# G27909 W1  
 ANALYST JMH  
 PAGE 6 OF         

GASOLINE/BTEX CALCULATION FORM

RUN#	SAMPLE #	RT	CALCULATIONS	CONC.*	IDENTITY
21	6162-231617		G	17.	GASOLINE
MASS	DF: 1/10			( )	BENZENE
WT: g	e C6-C14+			120.	TOLUENE
VOL: mL				5.1	ETHYLBENZENE
				250.	XYLENES, TOTAL
				116.9%	SURROGATE
22	6138-231497			0.97	GASOLINE
MASS	DF:			6.9	BENZENE
WT: g	For G, B, T e C5-C14			ND	TOLUENE
VOL: 5.0 mL				(90.)	ETHYLBENZENE
				(110.)	XYLENES, TOTAL
				MI 138.9%	SURROGATE
23	6227-231949				GASOLINE
MASS	DF:		RE-RUN @		BENZENE
WT: g			1/10		TOLUENE
VOL: 5.0 mL					ETHYLBENZENE
					XYLENES, TOTAL
					SURROGATE
24	-231950			57.	GASOLINE
MASS	DF: 1/20		RE-RUN	( )	BENZENE
WT: g	e		@ 1/200	( )	TOLUENE
VOL: mL			FOR B, T, X	340.	ETHYLBENZENE
				( )	XYLENES, TOTAL
				86.9%	SURROGATE

\* For GASOLINE, units are mg/Kg for soils, and mg/L for waters.  
 For BTEX, units are ug/Kg for soils, and ug/L for waters.





NATIONAL ENVIRONMENTAL TESTING, INC.

DATE 12, 28, 94  
 LOG# G-27909 W2  
 ANALYST JMH  
 PAGE 10 OF     

GASOLINE/BTEX  
 CALCULATION FORM

RUN#	SAMPLE #	RT	CALCULATIONS	CONC.*	IDENTITY
36	6227-231960				GASOLINE
	MASS	DF: $\frac{1}{10}$	Re-run		BENZENE
	WT: g		@ $\frac{1}{100}$		TOLUENE
	VOL: mL		For All		ETHYLBENZENE
					XYLENES, TOTAL
					SURROGATE
37	-231961			ND	GASOLINE
	MASS	DF:			BENZENE
	WT: g				TOLUENE
	VOL: mL				ETHYLBENZENE
					XYLENES, TOTAL
				95.7%	SURROGATE
38	6038-231012			ND	GASOLINE
	MASS	DF:			BENZENE
	WT: g				TOLUENE
	VOL: mL				ETHYLBENZENE
					XYLENES, TOTAL
				103.7%	SURROGATE
39	Gas STD			98.7%	GASOLINE
	MASS	DF:			BENZENE
	WT: g				TOLUENE
	VOL: mL				ETHYLBENZENE
					XYLENES, TOTAL
					SURROGATE

\* For GASOLINE, units are mg/Kg for soils, and mg/L for waters.  
 For BTEX, units are ug/Kg for soils, and ug/L for waters.

Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\122894\A790901.D Vial: 1  
 Signal #2 : C:\HPCHEM\6\DATA\122894\A790901.D\B790901.D  
 Acq On : 28 Dec 94, 07:28 AM Operator: DFW  
 Sample : BLANK Inst : HP-2  
 Misc : Multiplr: 1.00  
 Quant Time: Dec 28 7:52 1994

Method : C:\HPCHEM\6\METHODS\HP2WK15.M  
 Title : GC TPH Method  
 Last Update : Fri Dec 16 16:10:15 1994  
 Response via : Multiple Level Calibration

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

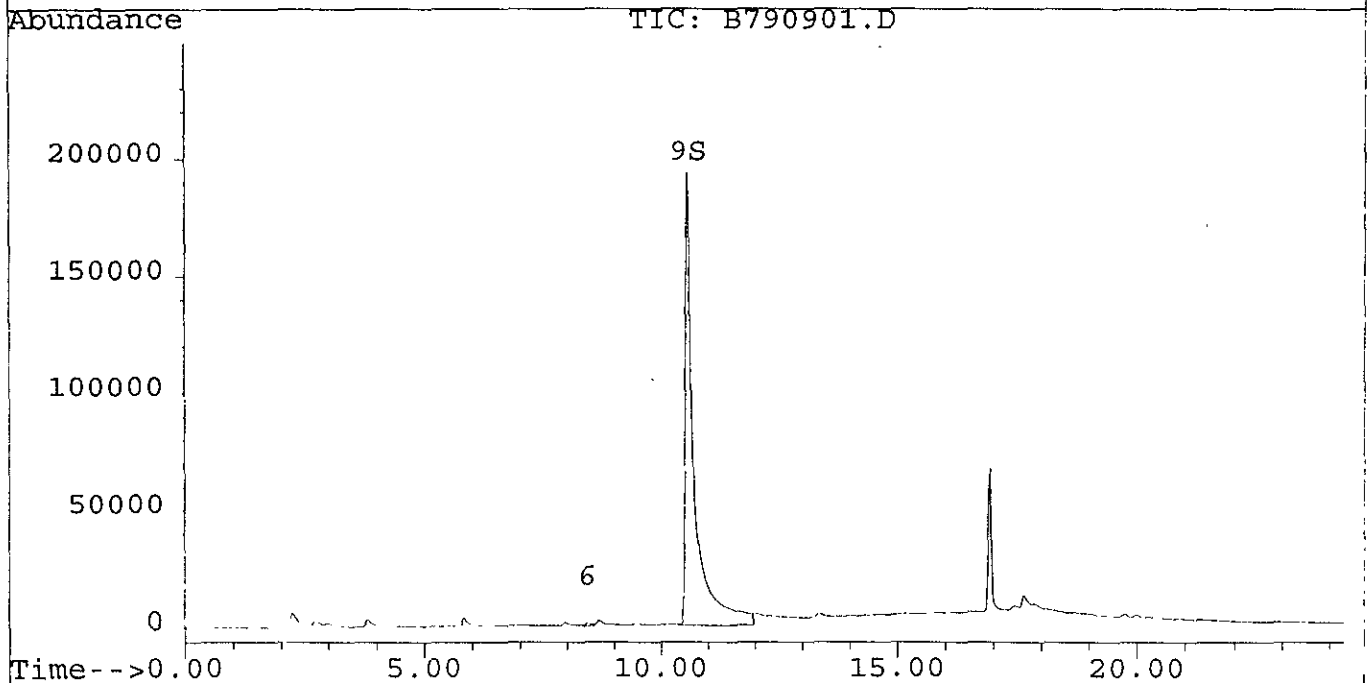
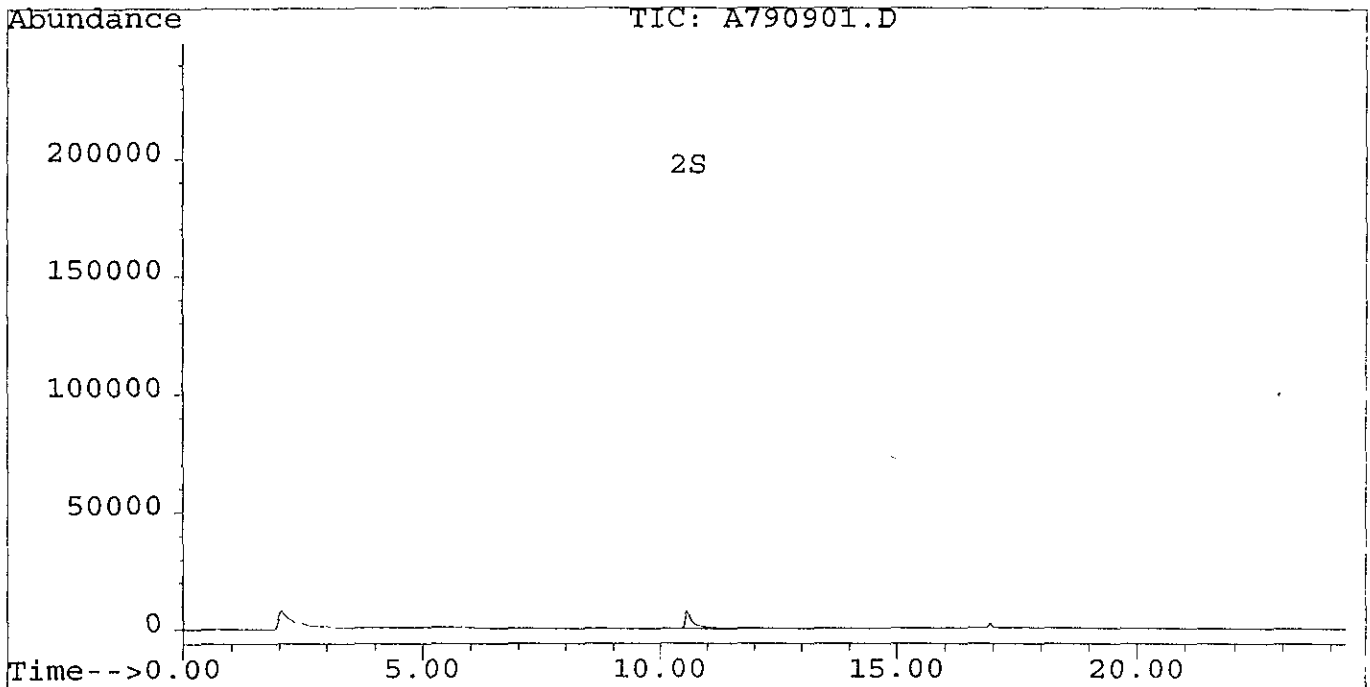
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S 4-BFB	10.59	889336	81.69 % ✓
9) S 4-BFB #2	10.58	25189409	92.59 % ✓
Target Compounds			
1) MH GAS	10.00	6484520	N.D. mg/L
4) M BENZENE #2	3.83	340967	N.D. ug/L
5) M TOLUENE #2	5.85	403709	N.D. ug/L
6) ETBENZENE #2	8.42f	88346	0.04 ug/L
7) M+P XYLENE #2	8.68f	289673	N.D. ug/L
8) O-XYLENE #2	9.48f	141040	N.D. ug/L

Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\122894\A790901.D Vial: 1  
Signal #2 : C:\HPCHEM\6\DATA\122894\A790901.D\B790901.D  
Acq On : 28 Dec 94 , 07:28 AM Operator: DFW  
Sample : BLANK Inst : HP-2  
Misc : Multiplr: 1.00  
Quant Time: Dec 28 7:52 1994

Method : C:\HPCHEM\6\METHODS\HP2WK15.M  
Title : GC TPH Method  
Last Update : Fri Dec 16 16:10:15 1994  
Response via : Multiple Level Calibration

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\122894\A790902.D Vial: 2  
 Signal #2 : C:\HPCHEM\6\DATA\122894\A790902.D\B790902.D  
 Acq On : 28 Dec 94 08:01 AM Operator: DFW  
 Sample : BTEX W0825 Inst : HP-2  
 Misc : Multiplr: 1.00  
 Quant Time: Dec 28 8:26 1994

Method : C:\HPCHEM\6\METHODS\HP2WK15.M  
 Title : GC TPH Method  
 Last Update : Fri Dec 16 16:10:15 1994  
 Response via : Multiple Level Calibration

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

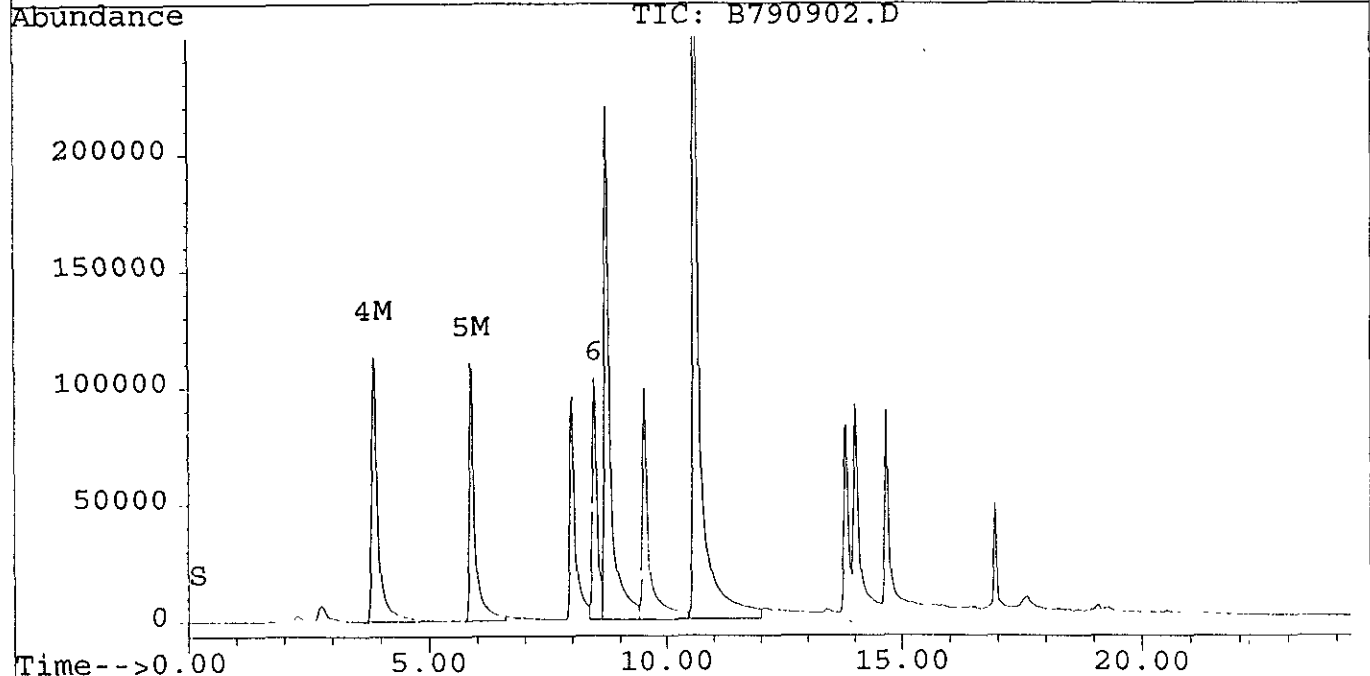
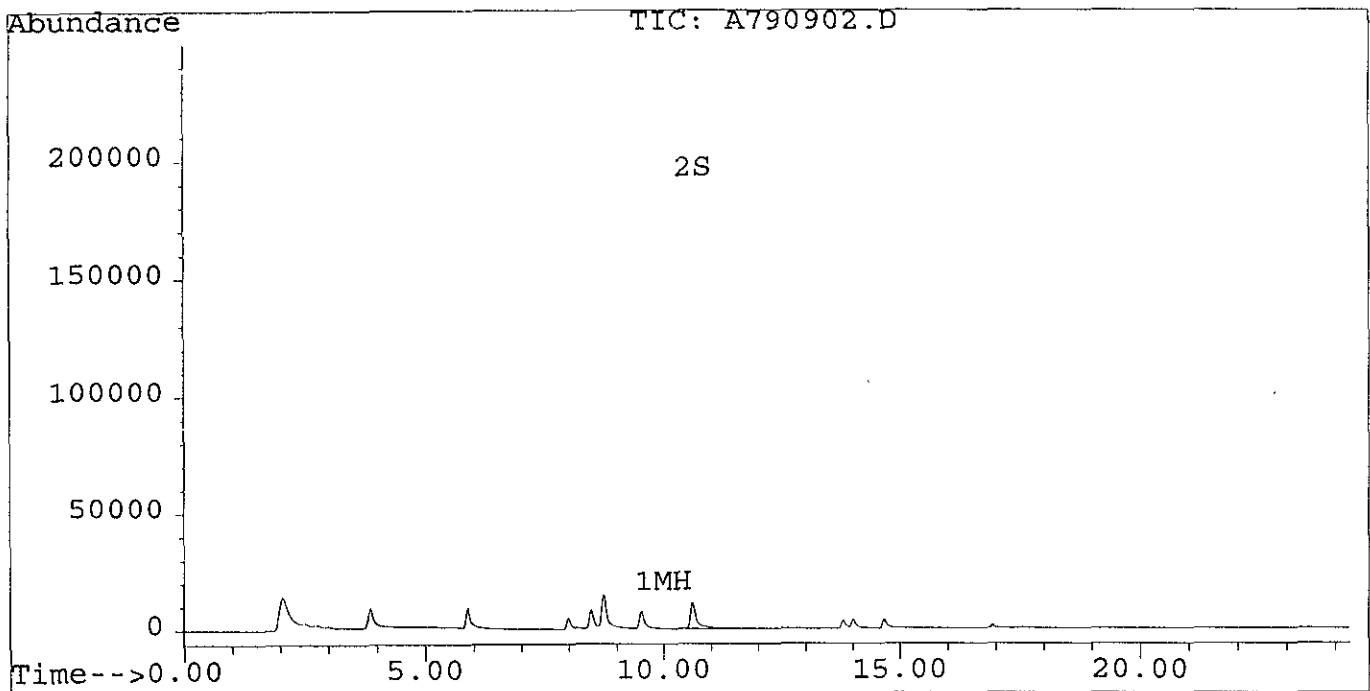
Compound	R.T.	Response	Conc Units
-----			
System Monitoring Compounds			
2) S 4-BFB	10.64	1088515	99.99 %
9) S 4-BFB #2	10.63	30319683	111.44 %
Target Compounds			
1) MH GAS	10.00	12647117	0.04 mg/L
4) M BENZENE #2	3.88	10120020	4.60 ug/L
5) M TOLUENE #2	5.89	8676092	4.48 ug/L
6) ETBENZENE #2	8.47	6875244	4.99 ug/L
7) M+P XYLENE #2	8.73	18847839	9.65 ug/L
8) O-XYLENE #2	9.54	9547410	5.29 ug/L

Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\122894\A790902.D Vial: 2  
Signal #2 : C:\HPCHEM\6\DATA\122894\A790902.D\B790902.D  
Acq On : 28 Dec 94, 08:01 AM Operator: DFW  
Sample : BTEX W0825 Inst : HP-2  
Misc : Multiplr: 1.00  
Quant Time: Dec 28 8:26 1994

Method : C:\HPCHEM\6\METHODS\HP2WK15.M  
Title : GC TPH Method  
Last Update : Fri Dec 16 16:10:15 1994  
Response via : Multiple Level Calibration

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\122894\A790903.D Vial: 3  
 Signal #2 : C:\HPCHEM\6\DATA\122894\A790903.D\B790903.D  
 Acq On : 28 Dec 94 , 08:34 AM Operator: DFW  
 Sample : GAS W0828 Inst : HP-2  
 Misc : Multiplr: 1.00  
 Quant Time: Dec 28 8:59 1994

Method : C:\HPCHEM\6\METHODS\HP2WK15.M  
 Title : GC TPH Method  
 Last Update : Fri Dec 16 16:10:15 1994  
 Response via : Multiple Level Calibration

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

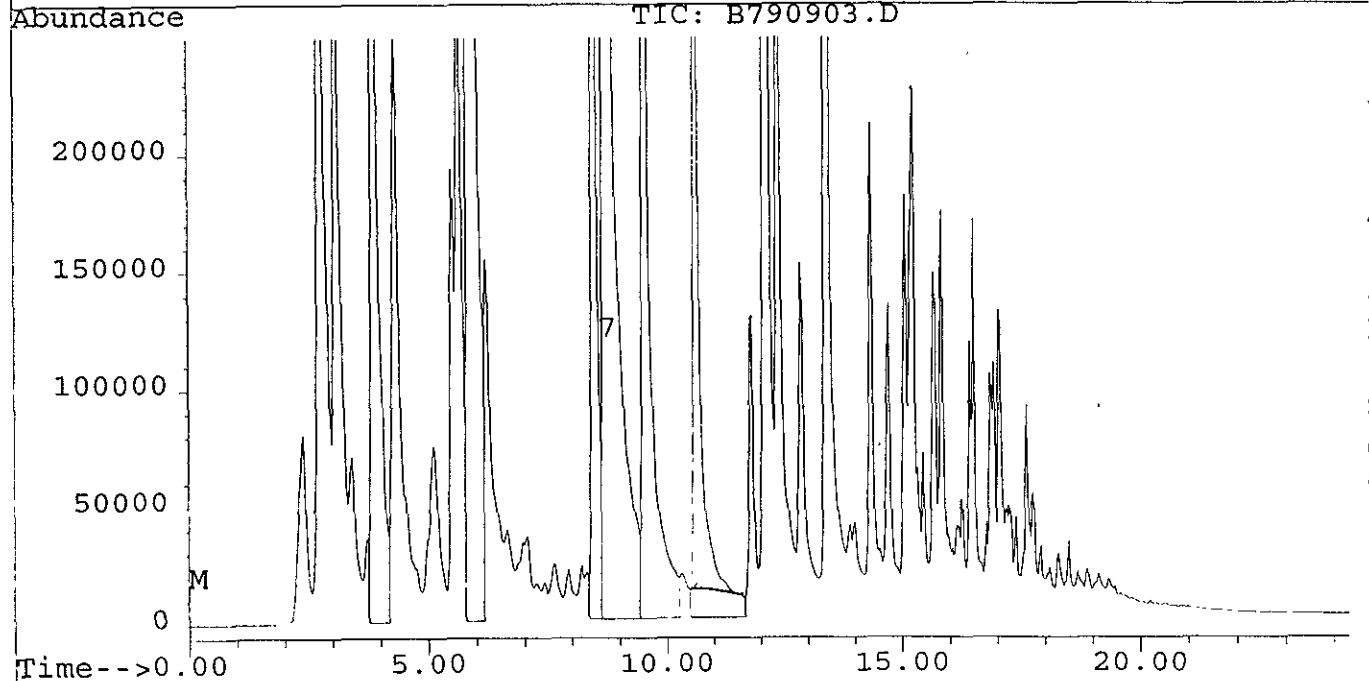
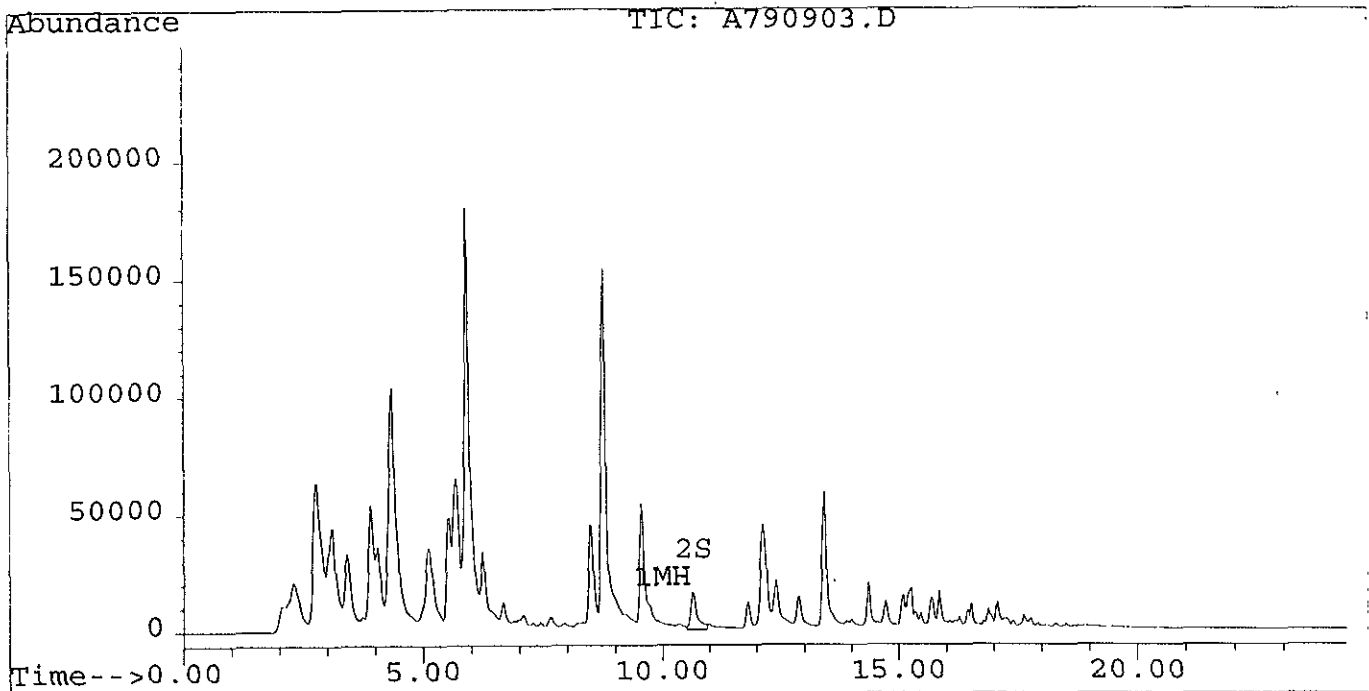
Compound	R.T.	Response	Conc Units
-----			
System Monitoring Compounds			
2) S 4-BFB	10.66	1489222	136.79 %
9) S 4-BFB #2	10.64	36777543	135.18 % -15% = 115.7%
Target Compounds			
1) MH GAS	10.00	128396546	1.12 mg/L
4) M BENZENE #2	3.89	44156034	22.57 ug/L~
5) M TOLUENE #2	5.91	146293017	83.79 ug/L~
6) ETBENZENE #2	8.49	34234190	24.90 ug/L
7) M+P XYLENE #2	8.75	159063823	88.18 ug/L
8) O-XYLENE #2	9.55	55145125	32.88 ug/L

Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\122894\A790903.D Vial: 3  
Signal #2 : C:\HPCHEM\6\DATA\122894\A790903.D\B790903.D  
Acq On : 28 Dec 94 , 08:34 AM Operator: DFW  
Sample : GAS W0828 Inst : HP-2  
Misc : Multiplr: 1.00  
Quant Time: Dec 28 8:59 1994

Method : C:\HPCHEM\6\METHODS\HP2WK15.M  
Title : GC TPH Method  
Last Update : Fri Dec 16 16:10:15 1994  
Response via : Multiple Level Calibration

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\122894\A790904.D Vial: 4  
 Signal #2 : C:\HPCHEM\6\DATA\122894\A790904.D\B790904.D  
 Acq On : 28 Dec 94 09:08 AM Operator: DFW  
 Sample : ~~GRO-W0786~~ BLANK Inst : HP-2  
 Misc : Multiplr: 1.00  
 Quant Time: Dec 28 9:32 1994 .

Method : C:\HPCHEM\6\METHODS\HP2WK15.M  
 Title : GC TPH Method  
 Last Update : Fri Dec 16 16:10:15 1994  
 Response via : Multiple Level Calibration

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
-----			
System Monitoring Compounds			
2) S 4-BFB	10.67	1079751	99.18 %
9) S 4-BFB #2	10.66	29099782	106.96 %
Target Compounds			
1) MH GAS	10.00	4378225	N.D. mg/L
4) M BENZENE #2	3.90	238497	N.D. ug/L
5) M TOLUENE #2	5.92	392590	N.D. ug/L
6) ETBENZENE #2	8.51	130514	0.08 ug/L
7) M+P XYLENE #2	8.77	371727	N.D. ug/L
8) O-XYLENE #2	9.57	149978	N.D. ug/L

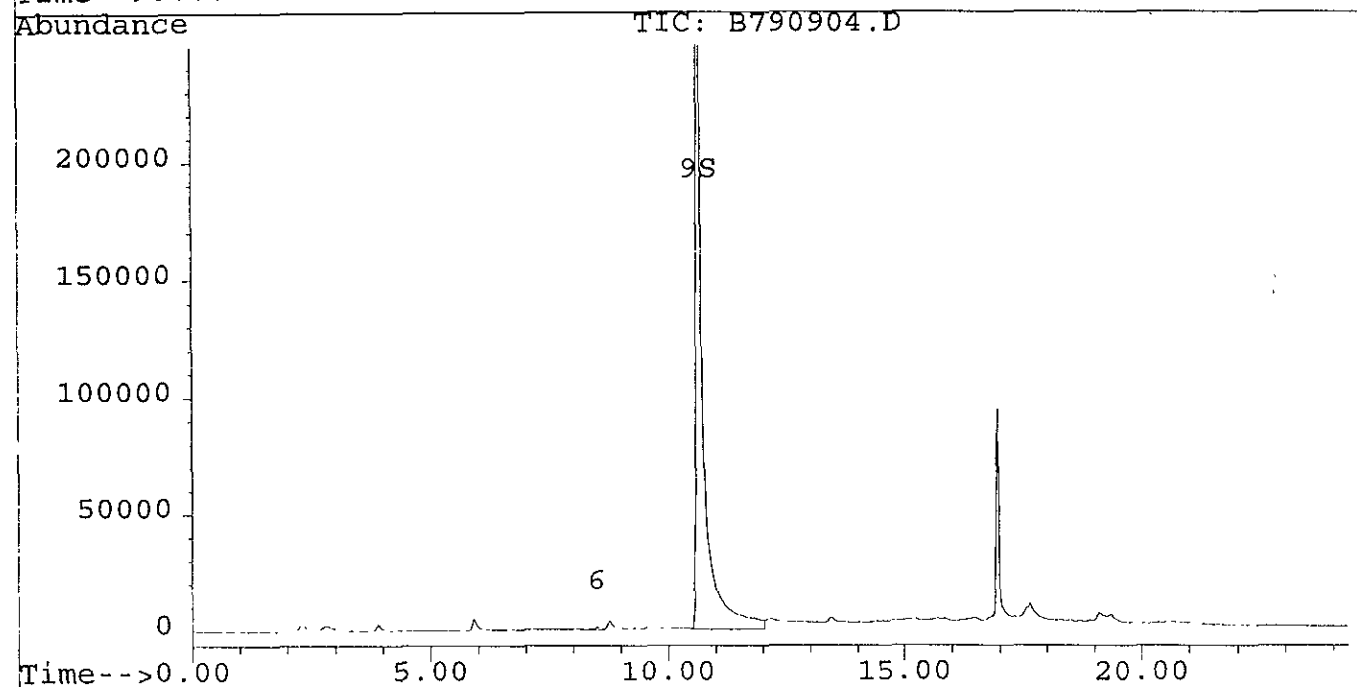
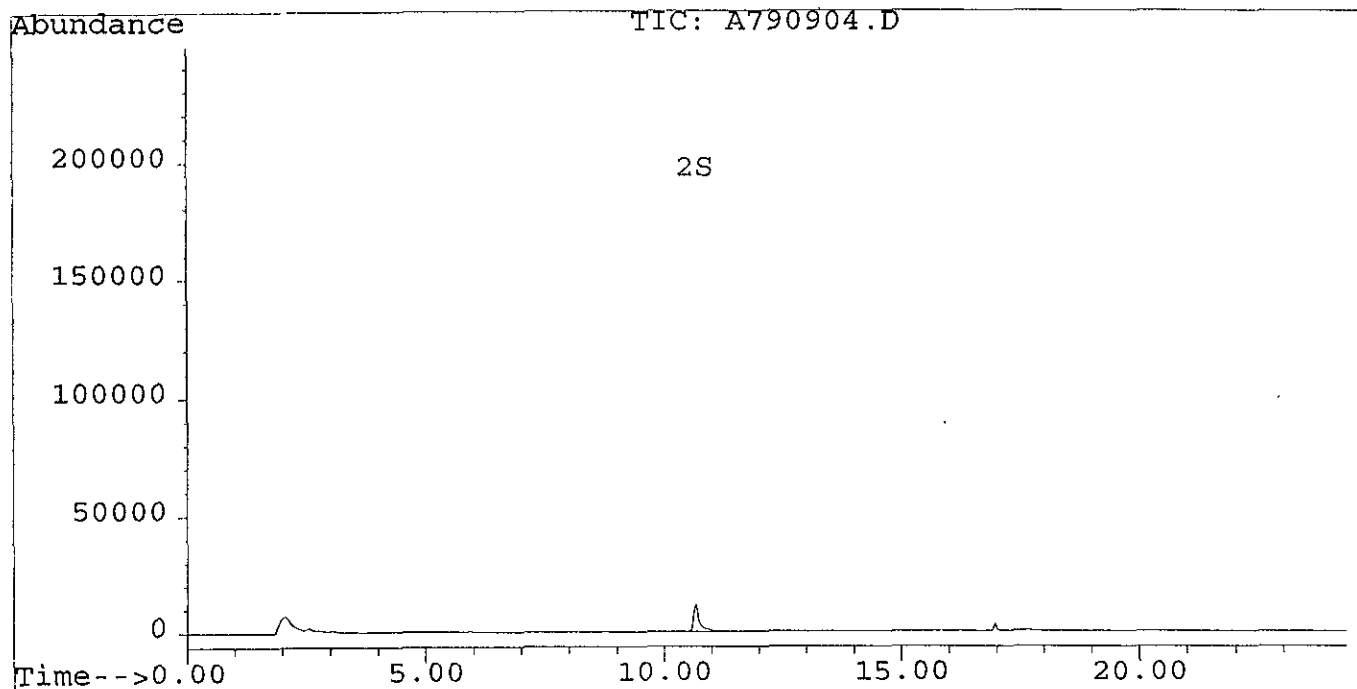


Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\122894\A790904.D Vial: 4  
Signal #2 : C:\HPCHEM\6\DATA\122894\A790904.D\B790904.D  
Acq On : 28 Dec 94 09:08 AM Operator: DFW  
Sample : GRO W0786 Inst : HP-2  
Misc : Multiplr: 1.00  
Quant Time: Dec 28 9:32 1994

Method : C:\HPCHEM\6\METHODS\HP2WK15.M  
Title : GC TPH Method  
Last Update : Fri Dec 16 16:10:15 1994  
Response via : Multiple Level Calibration

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\122894\A790915.D Vial: 15  
 Signal #2 : C:\HPCHEM\6\DATA\122894\A790915.D\B790915.D  
 Acq On : 28 Dec 94, 03:26 PM Operator: DFW  
 Sample : Misc : *6227-231948* Inst : HP-2  
 Quant Time: Dec 28 15:50 1994 Multiplr: 1.00

Method : C:\HPCHEM\6\METHODS\HP2WK15.M  
 Title : GC TPH Method  
 Last Update : Fri Dec 16 16:10:15 1994  
 Response via : Multiple Level Calibration

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
-----			
System Monitoring Compounds			
2) S 4-BFB	10.81f	1027191	94.35 %
9) S 4-BFB #2	10.81f	27487622	101.03 % ✓
Target Compounds			
1) MH GAS	10.00	5475761	N.D. mg/L
4) M BENZENE #2	3.97	398250	N.D. ug/L
5) M TOLUENE #2	6.01f	578609	N.D. ug/L
6) ETBENZENE #2	8.45	17753	N.D. ug/L
7) M+P XYLENE #2	8.89f	604543	N.D. ug/L
8) O-XYLENE #2	9.70f	198181	N.D. ug/L

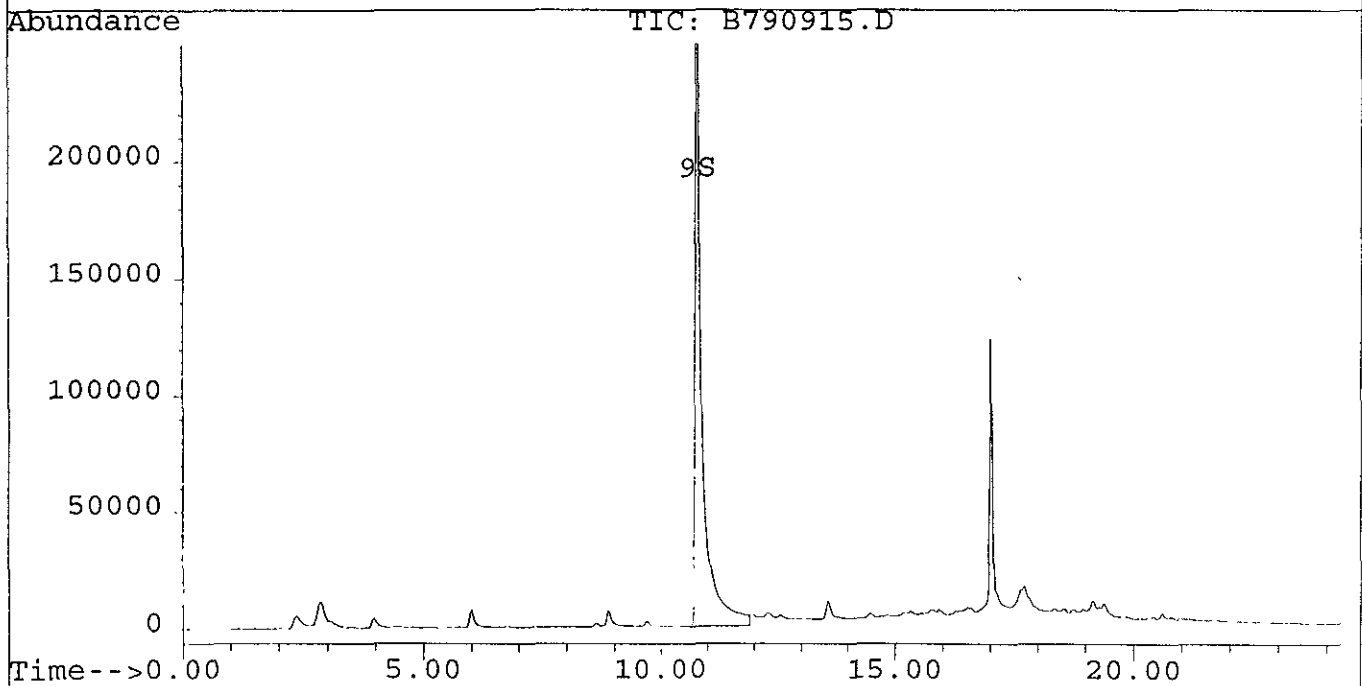
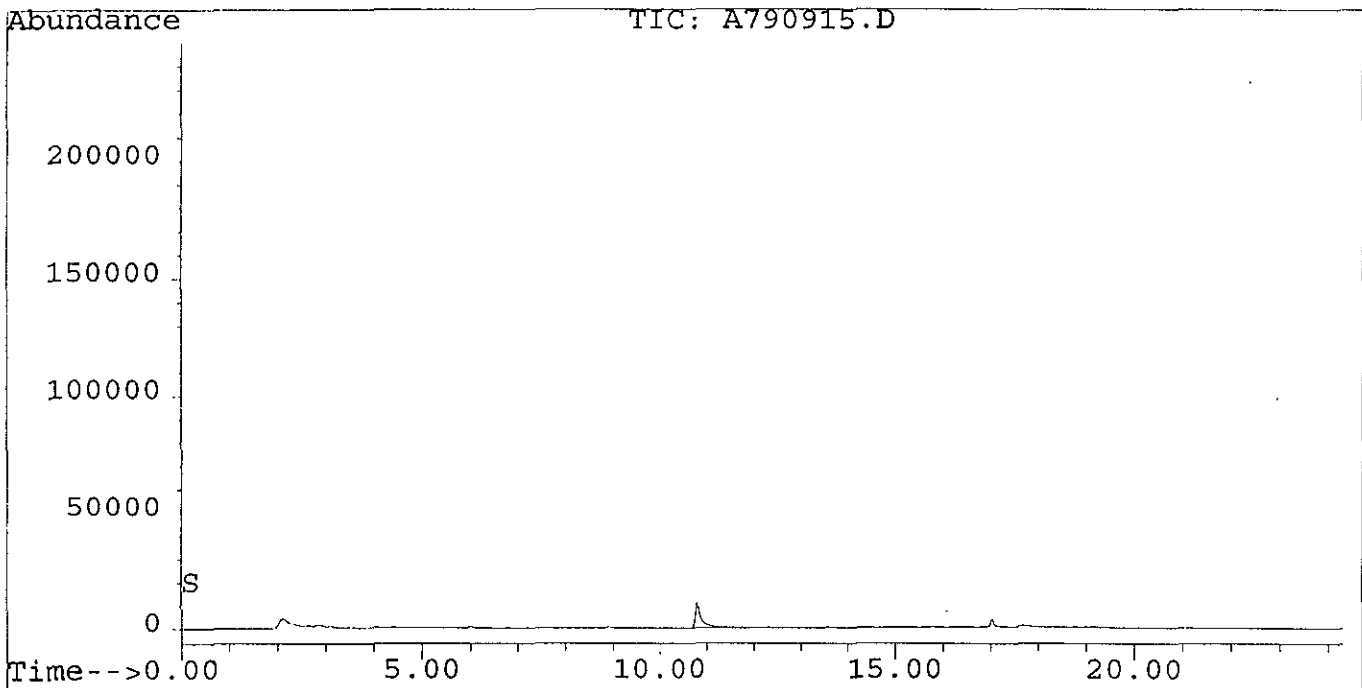
*ND* *JM*

Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\122894\A790915.D Vial: 15  
Signal #2 : C:\HPCHEM\6\DATA\122894\A790915.D\B790915.D  
Acq On : 28 Dec 94 03:26 PM Operator: DFW  
Sample : Inst : HP-2  
Misc : Multiplr: 1.00  
Quant Time: Dec 28 15:50 1994

Method : C:\HPCHEM\6\METHODS\HP2WK15.M  
Title : GC TPH Method  
Last Update : Fri Dec 16 16:10:15 1994  
Response via : Multiple Level Calibration

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\122894\A790906.D Vial: 6  
 Signal #2 : C:\HPCHEM\6\DATA\122894\A790906.D\B790906.D  
 Acq On : 28 Dec 94, 10:15 AM Operator: DFW  
 Sample : Inst : HP-2  
 Misc : 6227-231948 MS Multiplr: 1.00  
 Quant Time: Dec 28 10:39 1994

Method : C:\HPCHEM\6\METHODS\HP2WK15.M  
 Title : GC TPH Method  
 Last Update : Fri Dec 16 16:10:15 1994  
 Response via : Multiple Level Calibration

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

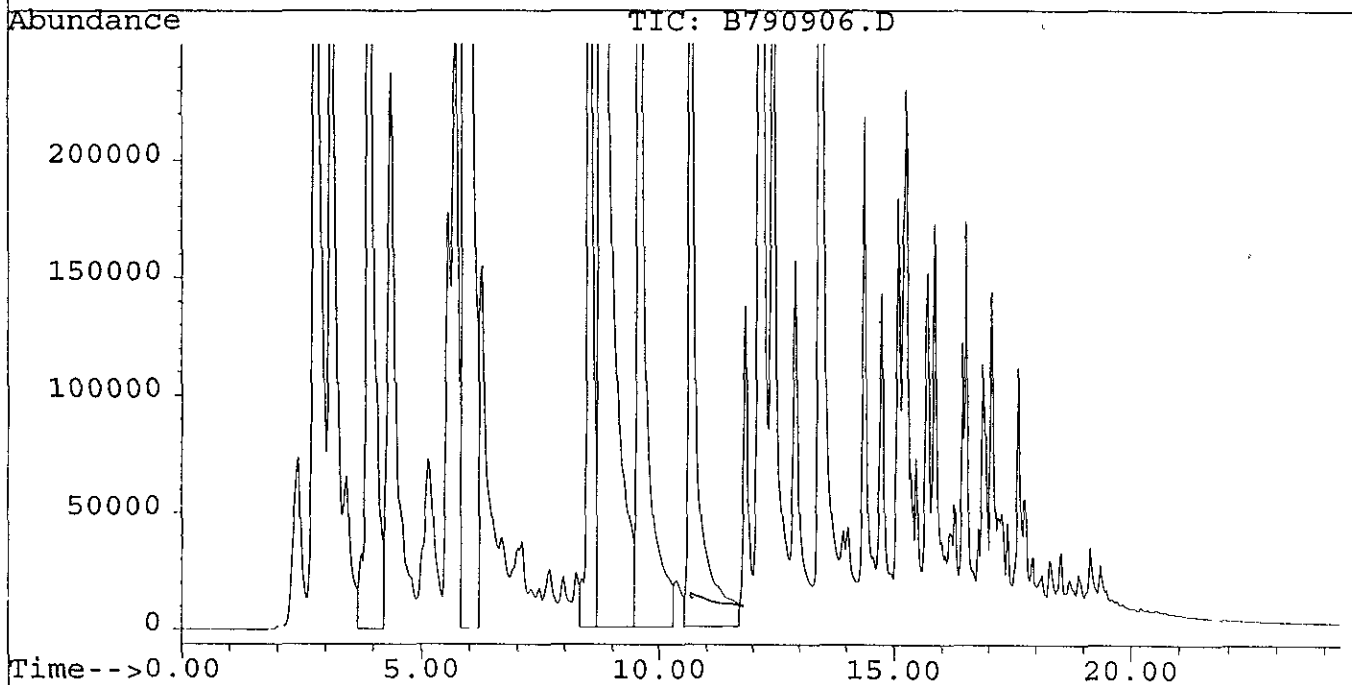
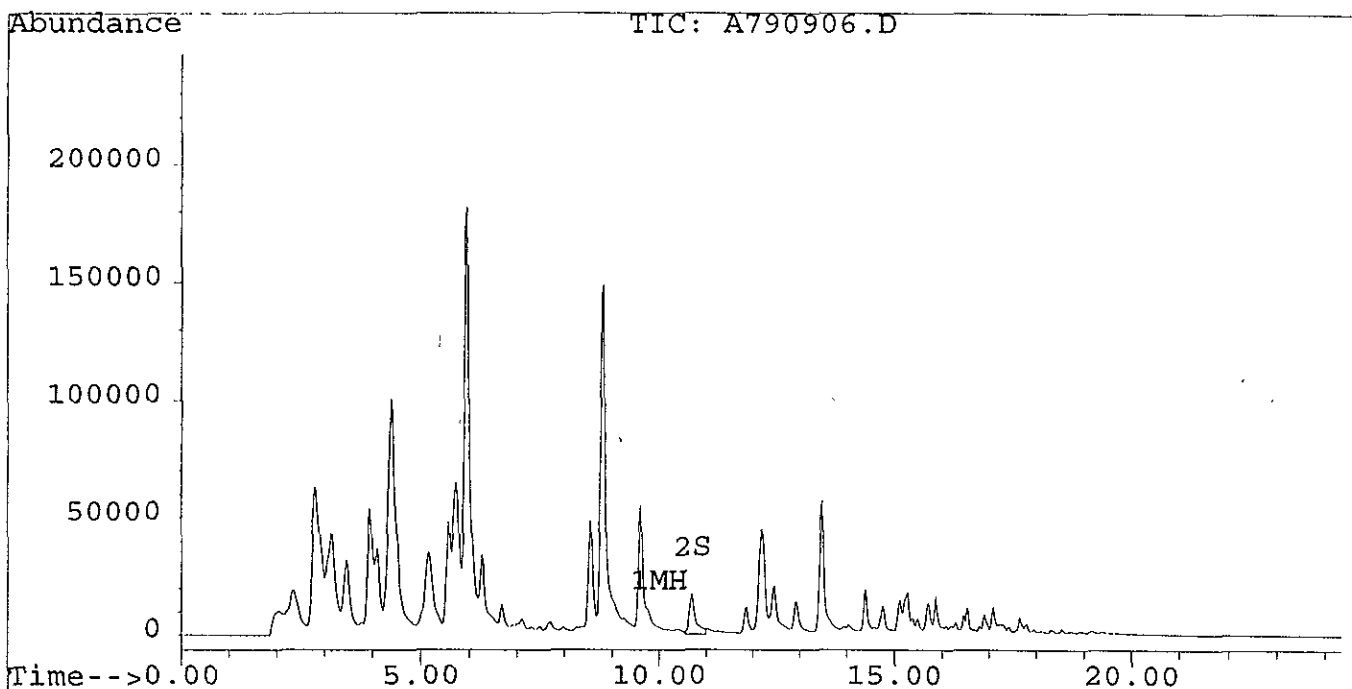
Compound	R.T.	Response	Conc Units
-----			
System Monitoring Compounds			
2) S 4-BFB	10.70	1590124	146.06 %
9) S 4-BFB #2	10.69	39880308	146.58 % -15% 125%
Target Compounds			
1) MH GAS	10.00	128744532	1.13 mg/L -
4) M BENZENE #2	3.92	45898798	23.49 ug/L -
5) M TOLUENE #2	5.94	148918105	85.30 ug/L -
6) ETBENZENE #2	8.53	35667791	25.95 ug/L
7) M+P XYLENE #2	8.79	161108851	89.32 ug/L
8) O-XYLENE #2	9.60	56097066	33.46 ug/L

Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\122894\A790906.D Vial: 6  
Signal #2 : C:\HPCHEM\6\DATA\122894\A790906.D\B790906.D  
Acq On : 28 Dec 94 10:15 AM Operator: DFW  
Sample : Inst : HP-2  
Misc : Multiplr: 1.00  
Quant Time: Dec 28 10:39 1994

Method : C:\HPCHEM\6\METHODS\HP2WK15.M  
Title : GC TPH Method  
Last Update : Fri Dec 16 16:10:15 1994  
Response via : Multiple Level Calibration

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\122894\A790907.D Vial: 7  
 Signal #2 : C:\HPCHEM\6\DATA\122894\A790907.D\B790907.D  
 Acq On : 28 Dec 94, 10:48 AM Operator: DFW  
 Sample : Inst : HP-2  
 Misc : Multiplr: 1.00  
 Quant Time: Dec 28 11:13 1994

Method : C:\HPCHEM\6\METHODS\HP2WK15.M  
 Title : GC TPH Method  
 Last Update : Fri Dec 16 16:10:15 1994  
 Response via : Multiple Level Calibration

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

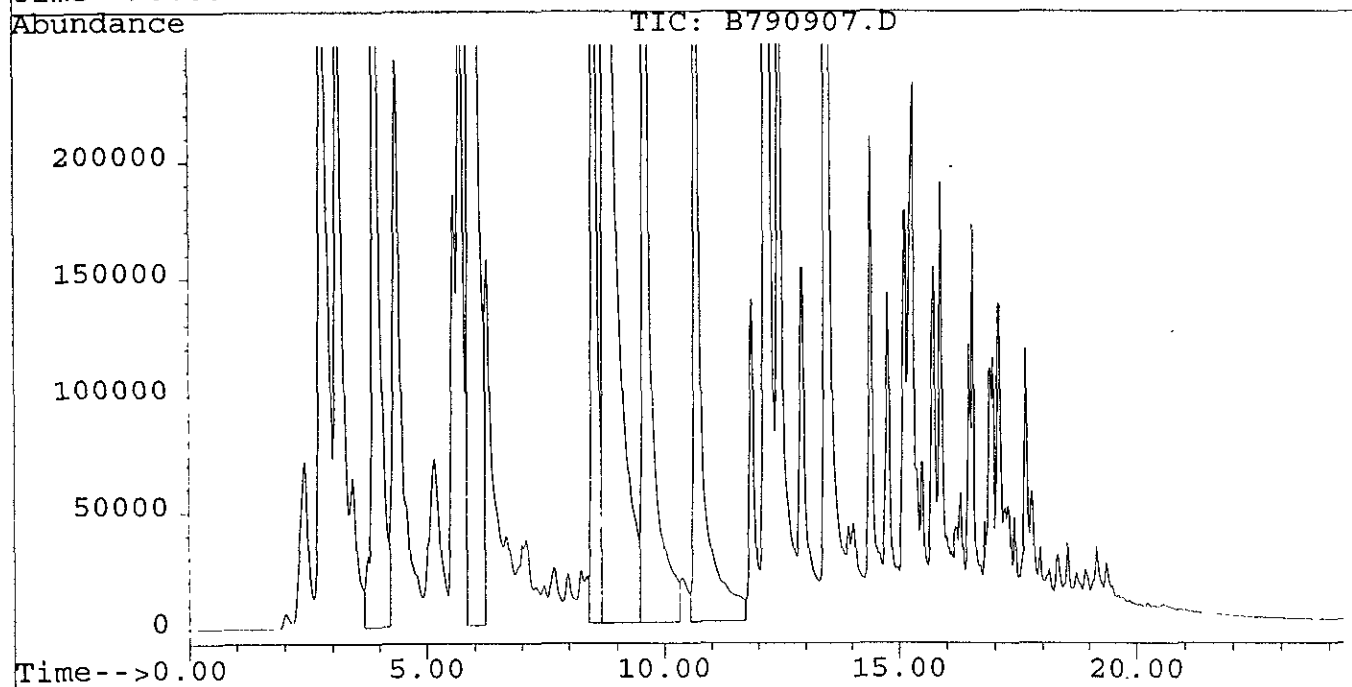
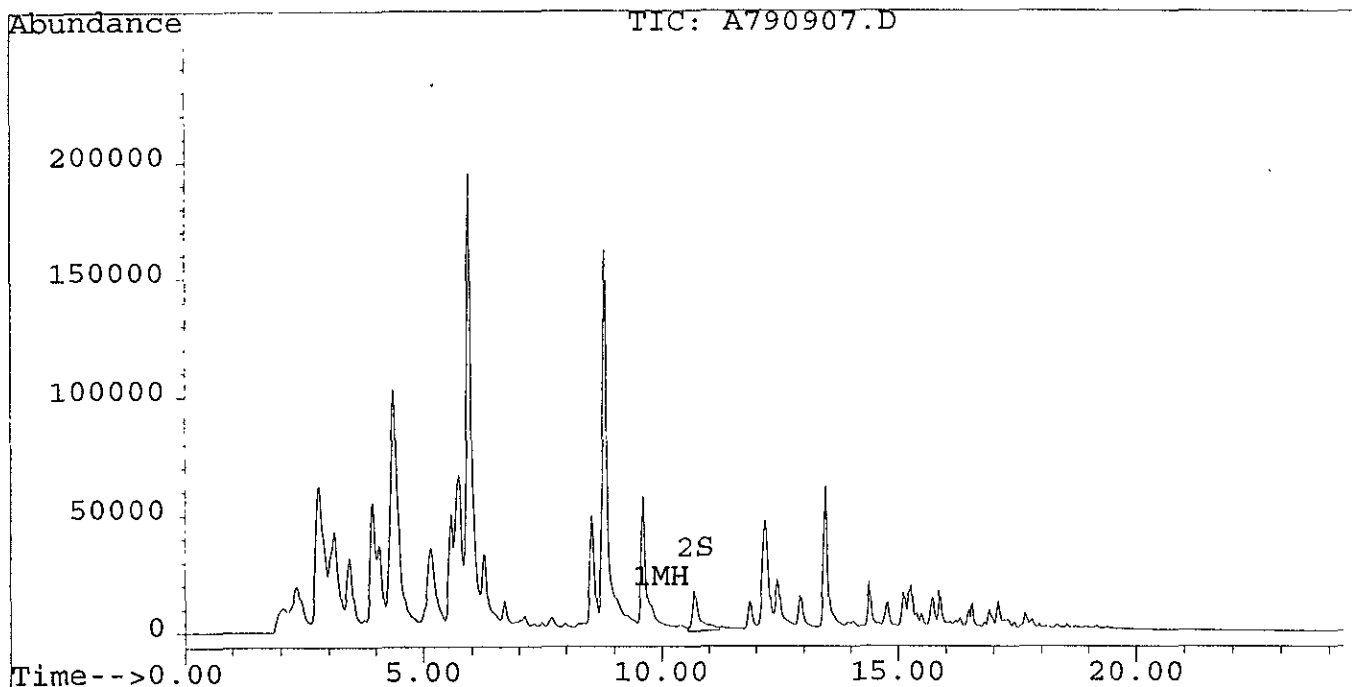
Compound	R.T.	Response	Conc Units
-----			
System Monitoring Compounds			
2) S 4-BFB	10.71	1851117	170.03 %
9) S 4-BFB #2	10.70	38706020	142.27 % <i>-15% = 121.5</i>
Target Compounds			
1) MH GAS	10.00	131261651	1.15 mg/L
4) M BENZENE #2	3.93	46631144	23.88 ug/L
5) M TOLUENE #2	5.94	152459462	87.34 ug/L
6) ETBENZENE #2	8.54	35348887	25.71 ug/L
7) M+P XYLENE #2	8.80	164437643	91.19 ug/L
8) O-XYLENE #2	9.61	57039102	34.03 ug/L

Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\122894\A790907.D Vial: 7  
Signal #2 : C:\HPCHEM\6\DATA\122894\A790907.D\B790907.D  
Acq On : 28 Dec 94 10:48 AM Operator: DFW  
Sample : Inst : HP-2  
Misc : Multiplr: 1.00  
Quant Time: Dec 28 11:13 1994

Method : C:\HPCHEM\6\METHODS\HP2WK15.M  
Title : GC TPH Method  
Last Update : Fri Dec 16 16:10:15 1994  
Response via : Multiple Level Calibration

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\122894\A790920.D Vial: 20  
 Signal #2 : C:\HPCHEM\6\DATA\122894\A790920.D\B790920.D  
 Acq On : 28 Dec 94 06:22 PM Operator: DFW  
 Sample : Inst : HP-2  
 Misc : 6162 - 231617 @ Multiplr: 1.00  
 Quant Time: Dec 28 18:47 1994

Method : C:\HPCHEM\6\METHODS\HP2WK15.M  
 Title : GC TPH Method  
 Last Update : Fri Dec 16 16:10:15 1994  
 Response via : Multiple Level Calibration

*1/50 for B*

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S 4-BFB	10.77	1093617	100.45 % ✓
9) S 4-BFB #2	10.76	29400539	108.07 % ✓
Target Compounds			
1) MH GAS	10.00	38855367	0.28 mg/L
4) M BENZENE #2	3.95	72468721	37.52 ug/L <i>x50 = 1,900.</i>
5) M TOLUENE #2	5.98	4697500	2.19 ug/L
6) ETBENZENE #2	8.59f	303188	0.20 ug/L
7) M+P XYLENE #2	8.85	5892842	2.39 ug/L
8) O-XYLENE #2	9.66f	3414958	1.58 ug/L

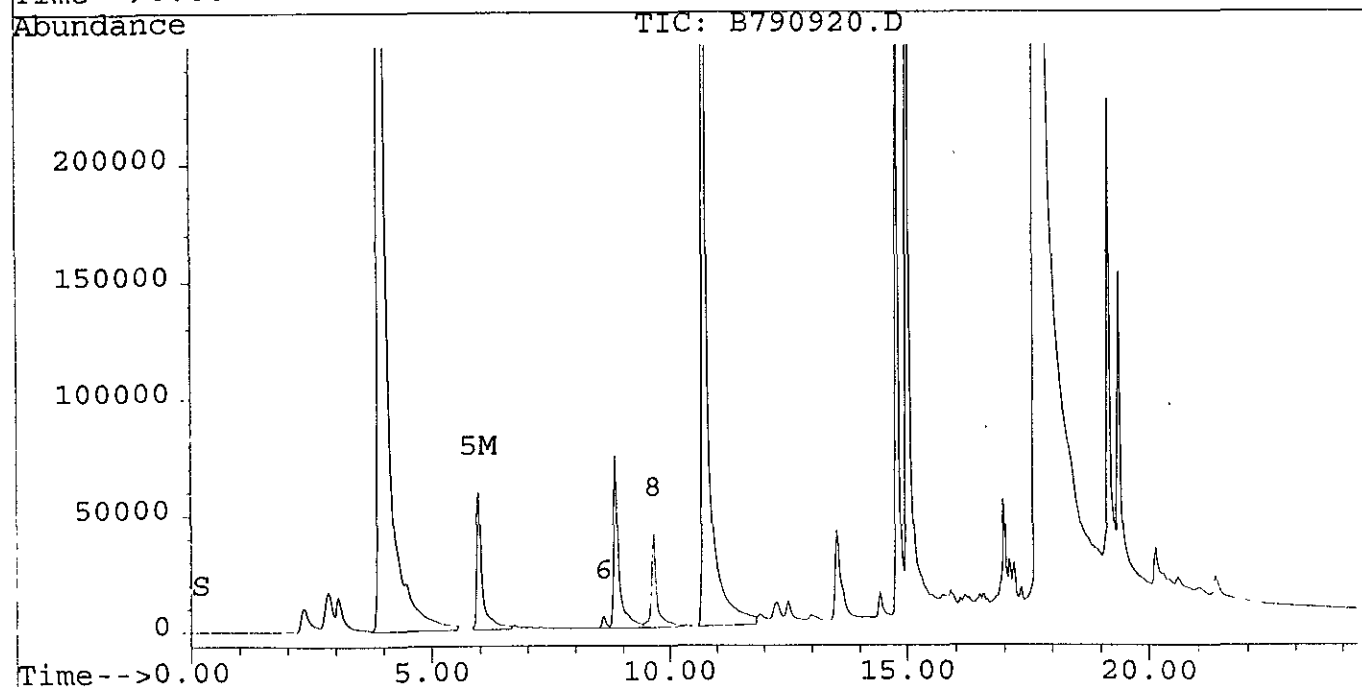
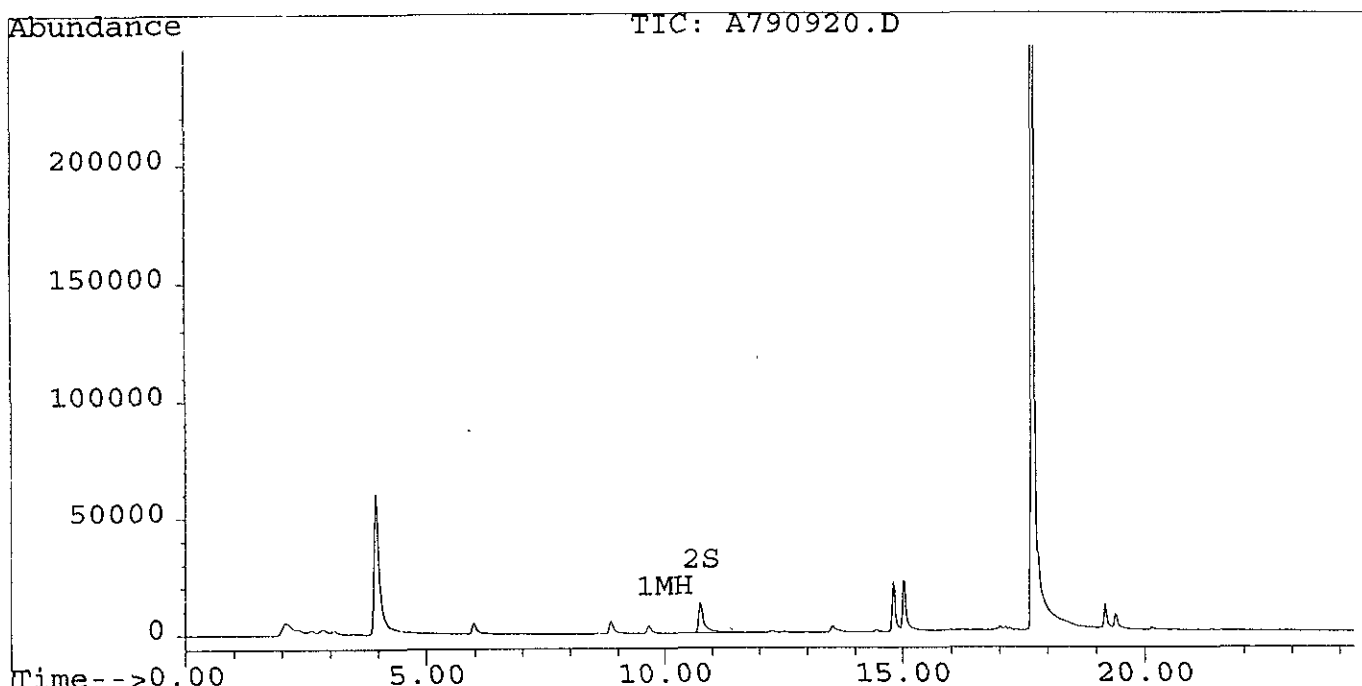


Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\122894\A790920.D Vial: 20  
Signal #2 : C:\HPCHEM\6\DATA\122894\A790920.D\B790920.D  
Acq On : 28 Dec 94, 06:22 PM Operator: DFW  
Sample : Inst : HP-2  
Misc : Multiplr: 1.00  
Quant Time: Dec 28 18:47 1994

Method : C:\HPCHEM\6\METHODS\HP2WK15.M  
Title : GC TPH Method  
Last Update : Fri Dec 16 16:10:15 1994  
Response via : Multiple Level Calibration

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\122894\A790921.D Vial: 21  
 Signal #2 : C:\HPCHEM\6\DATA\122894\A790921.D\B790921.D  
 Acq On : 28 Dec 94, 06:57 PM Operator: DFW  
 Sample : Inst : HP-2  
 Misc : Multiplr: 1.00  
 Quant Time: Dec 28 19:21 1994

*6162-231617 @ 1/10*

Method : C:\HPCHEM\6\METHODS\HP2WK15.M  
 Title : GC TPH Method  
 Last Update : Fri Dec 16 16:10:15 1994  
 Response via : Multiple Level Calibration

*FOR G, T, E, X*

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
<b>System Monitoring Compounds</b>			
2) S 4-BFB	10.77	1197746	110.02 % ✓
9) S 4-BFB #2	10.76	31656002	116.36 % ✓
<b>Target Compounds</b>			
1) MH GAS	10.00	186811950	1.67 mg/L <sup>X10</sup> 17.
4) M BENZENE #2	3.95	308951870	162.40 ug/L
5) M TOLUENE #2	5.98	21039761	11.61 ug/L
6) ETBENZENE #2	8.59f	722239	0.51 ug/L
7) M+P XYLENE #2	8.85	28119835	14.84 ug/L
8) O-XYLENE #2	9.66f	16977379	9.79 ug/L

*120.  
5.1  
250.*

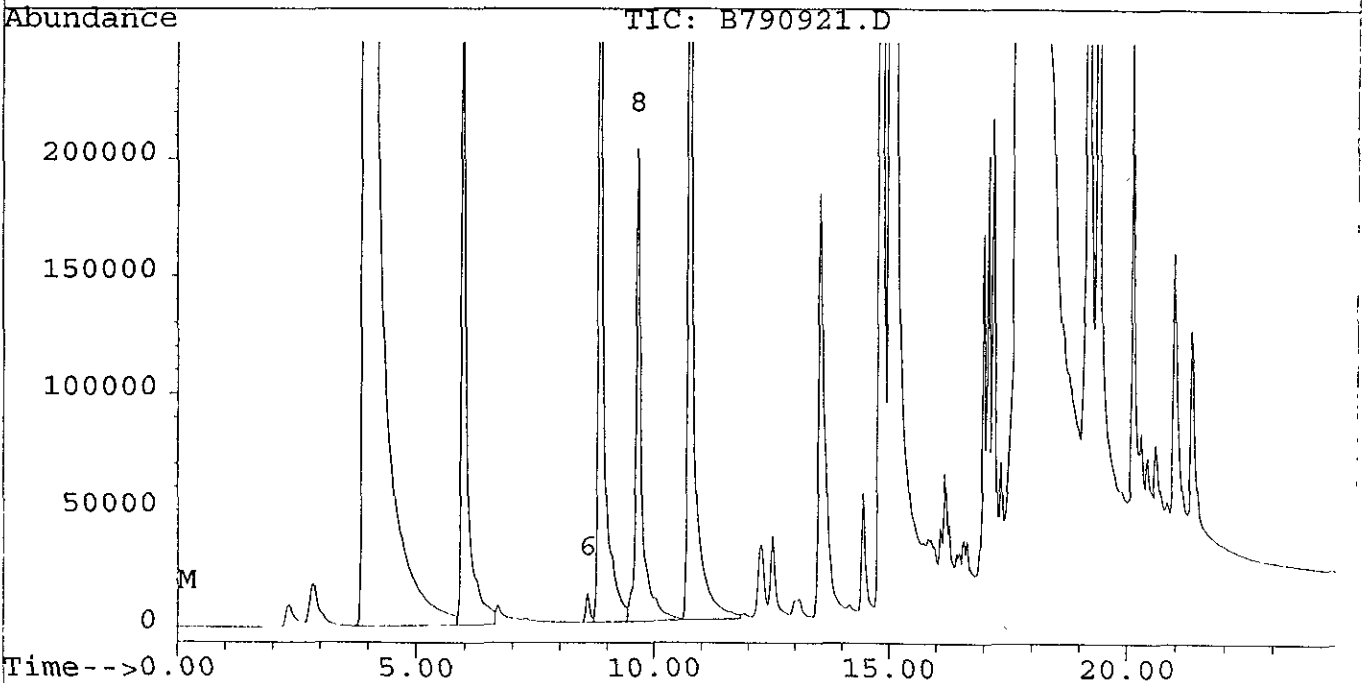
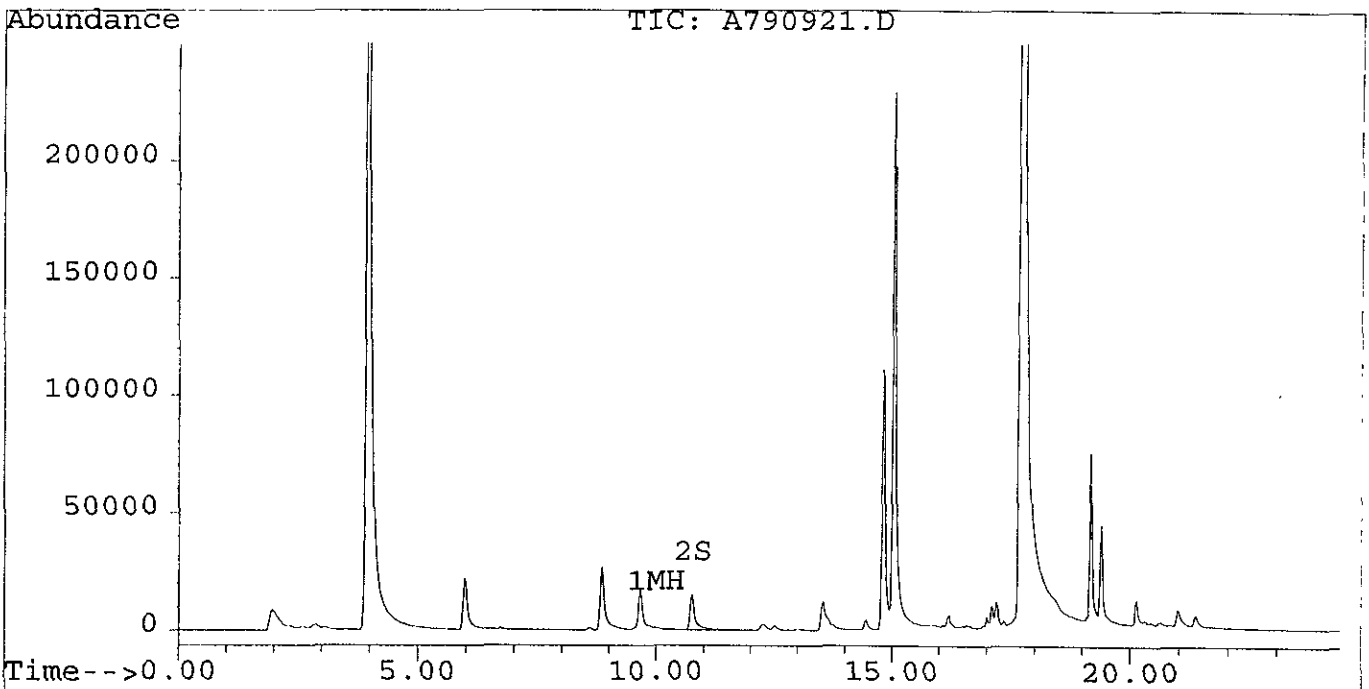
*G-*  
*C<sub>6</sub>-C<sub>14</sub><sup>+</sup>*

Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\122894\A790921.D Vial: 21  
Signal #2 : C:\HPCHEM\6\DATA\122894\A790921.D\B790921.D  
Acq On : 28 Dec 94 06:57 PM Operator: DFW  
Sample : Inst : HP-2  
Misc : Multiplr: 1.00  
Quant Time: Dec 28 19:21 1994

Method : C:\HPCHEM\6\METHODS\HP2WK15.M  
Title : GC TPH Method  
Last Update : Fri Dec 16 16:10:15 1994  
Response via : Multiple Level Calibration

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\122894\A790939.D Vial: 39  
 Signal #2 : C:\HPCHEM\6\DATA\122894\A790939.D\B790939.D  
 Acq On : 29 Dec 94 06:27 AM Operator: DFW  
 Sample : Inst : HP-2  
 Misc : Multiplr: 1.00  
 Quant Time: Dec 29 6:51 1994

Method : C:\HPCHEM\6\METHODS\HP2WK15.M  
 Title : GC TPH Method  
 Last Update : Fri Dec 16 16:10:15 1994  
 Response via : Multiple Level Calibration

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

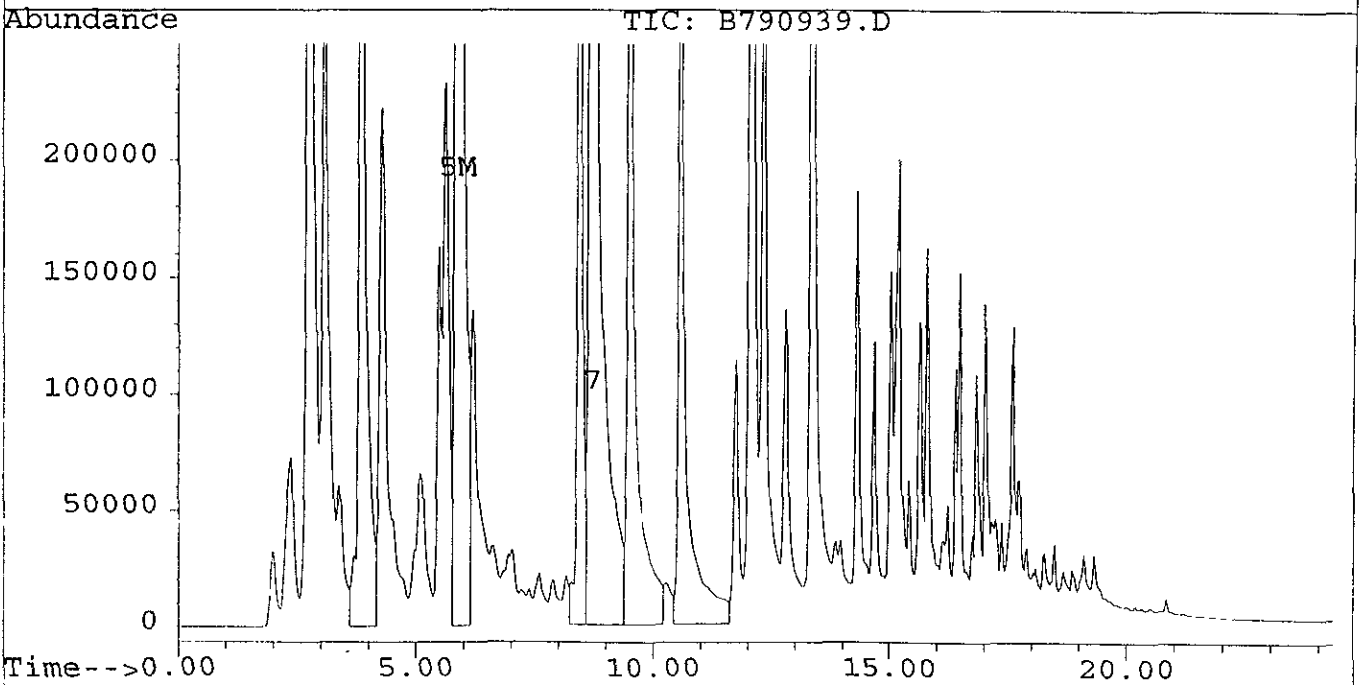
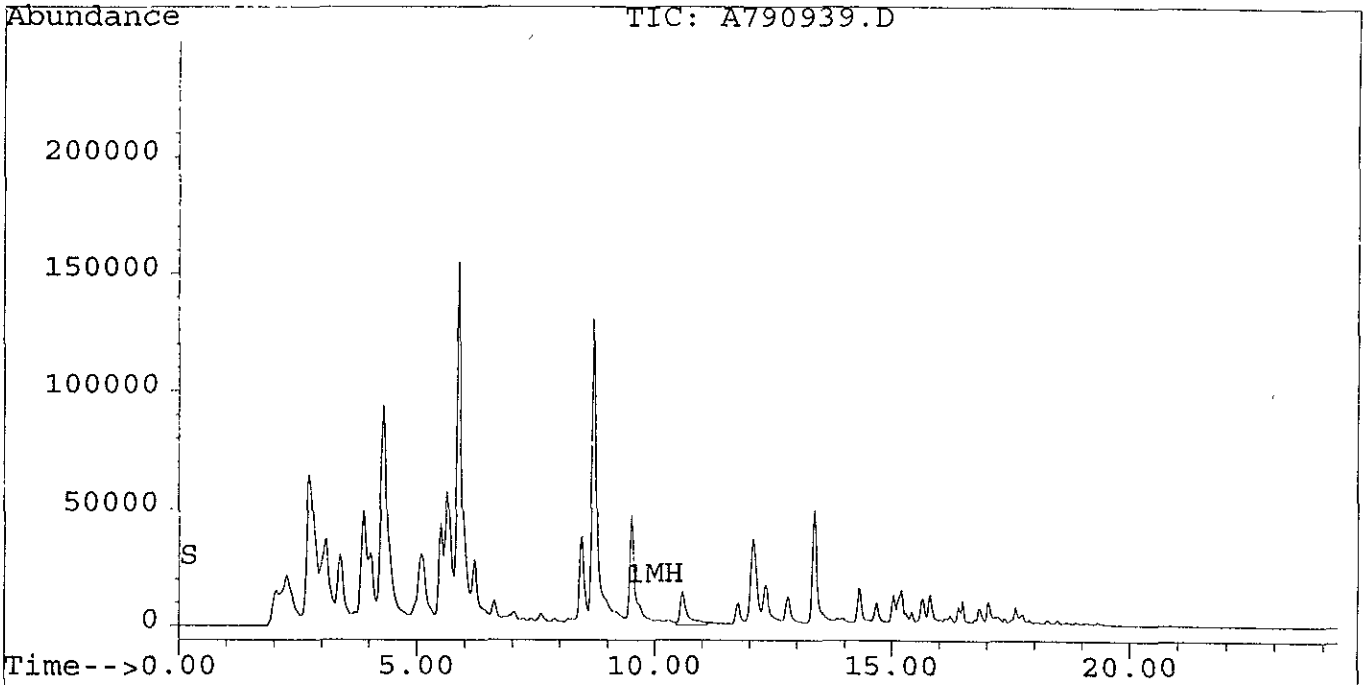
Compound	R.T.	Response	Conc Units
-----			
System Monitoring Compounds			
2) S 4-BFB	10.60	1550504	142.42 %
9) S 4-BFB #2	10.59	33951642	124.79 %
Target Compounds			
1) MH GAS	10.00	113679256	0.98 mg/L
4) M BENZENE #2	3.86	42100377	21.49 ug/L
5) M TOLUENE #2	5.87	123935083	70.91 ug/L
6) ETBENZENE #2	8.44f	29572041	21.51 ug/L
7) M+P XYLENE #2	8.70	137651289	76.19 ug/L
8) O-XYLENE #2	9.50f	49172686	29.27 ug/L

Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\122894\A790939.D Vial: 39  
Signal #2 : C:\HPCHEM\6\DATA\122894\A790939.D\B790939.D  
Acq On : 29 Dec 94 06:27 AM Operator: DFW  
Sample : Inst : HP-2  
Misc : Multiplr: 1.00  
Quant Time: Dec 29 6:51 1994

Method : C:\HPCHEM\6\METHODS\HP2WK15.M  
Title : GC TPH Method  
Last Update : Fri Dec 16 16:10:15 1994  
Response via : Multiple Level Calibration

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



GER 421

M: AHCII

12/23/94

A/B

R421

M: AHC11

115

12/23

1	DCM	DCM
2	DCM	DCM
3	M8100 W7000	Diesel W6910
4	Diesel W6910	M.O. W6781
5	M.O. W6781	DCM
6	Creosote W6955 1000ppm	Blank 8964 (JZ)
7	DCM	BMS 8964
8	Blank 8962 (W1)	6149-231555
9	BMS 8962	231555 Dup
10	6149-2313695	231554
11	231764MS	231554 MS
12	231764MSD	231554 MSD
13	DCM	DCM
14	6136-231471	DCM
15	231472	6136-231483
16	231473	231484
17	231474	234485
18	231475	231486
19	231476	231487
20	DCM	231489
21	6139-231505	231490
22	6151-231576	DCM
23	6152-231578	231491
24	6162-231655	6149 - 231559
25	231616	231560
26	DCM	231561
27	6171-231679	231562
28	6180-231716	231563
29	231717	<del>29</del> DCM
30	231718	6136 - 231488
31	DCM	6149 - 231556
32	231719	231557
33	231720	231558

AlB R 421

M: AHC11

117  
12/23/94

34 231617

DCM

35 DCM

DCM

36 DCM

Diesel W6910

37 Diesel W6910

MO. W6781

38 MO. W6781

DCM

39 Creosote W6555 200gpm

40 DCM

41 L



102

Extr. Log 8962

779

12/21/94  
gw

HC by 3510

D-terphusurr

VF W6993 gw

Blank 8962

1000ml 1ml 100ul

due Blank MS 8962 1000

12/28 94.06136-231471 910

↓

-231472 1000

-231473<sup>gw</sup> 920

-231474 890

-231475 960

-231476 960

HC SPT  
W7605 gw  
1000ul

12/27 94.06139-231505 1020

12/28 94.06149-231564 1000

↓

-231564MS 500

-231564SD 500

D/C-range  
D/MO/Surr

HC SPT  
W7605 gw  
1000ul

12/28 94.06151-231576 1070

94.06152-231578 430

↓

94.06162-231615 920

-231616 930

-231617\* 900

Heavy Scan

L

Creosote

12/29 94.06171-231679 1060

94.06180-231716 750

↓

-231717 890

-231718 850

-231719 880

-231720 790

Heavy Scan

D

\* Smells like naphthalene.

EXTRACTABLE PETROLEUM HYDROCARBON GC FID/3550 ANALYSIS

RUN LOG NO: G ER421 W1

PAGE 1 A OF 2

COMPUTED BY: TOW

DATE: 12/23/94

32140

Piop 778 (12/21/94)

Run batch 877

E*	RUN#	LOG #	COMMENT	COMPUTATION**	CONC	ID
✓	4	STD W6910	1000 PPM	1031 / 1000	103 %	diesel
✓	5	STD W6781	1000 PPM	934 / 1000	93 %	motor oil
✓	8	BLANK	8962	Surr=1019 <sup>g</sup> NO for Creosote	NO	diesel
				1	NO	motor oil
✓	9	METHOD	SPK 8962	0.91 / 1 Surr=106	91 %	diesel
✓	10	6149 235564 231564		1	NO	diesel
				1 Surr=103	NO	motor oil
✓	11	231564 273564	SPK	1.19 / 2 Surr=96 <sup>g</sup> RPD= %	60 %	diesel
✓	12	231564 273564	SPK R	1.37 / 2 Surr=100 <sup>g</sup>	68 %	diesel
				1	DH 0.32	diesel
✓	14	6136 231471		1	<del>NO</del>	<del>motor oil</del>
✓	15	231472		1	NO	diesel
				1		motor oil
✓	16	231472		1	NO	diesel
				1		motor oil
✓	17	231474		1	NO	diesel
				1		motor oil
✓	18	231475		1	DH 0.29	diesel
				1		motor oil
✓	19	231476		1	DH 2.5	diesel
				1		motor oil
✓	21	6159 231505		NO Surr=10, < C <sub>10</sub> -C <sub>16</sub>	3.1	diesel
				1		motor oil
✓	22	6151 231576		1 NO for All	DH 0.23 NO	diesel
				1	NO	motor oil

\*Column E: Check off result when entered.

\*\*Computation: AUTOCAL/sample wt or volume.

exhcs.frm 8-90djf

EXTRACTABLE PETROLEUM HYDROCARBON GC FID/3550 ANALYSIS

RUN LOG NO: G ER 421 W1  
 COMPUTED BY: TDR

PAGE 2A OF 2  
 DATE: 12/23/94

E*	RUN#	LOG #	COMMENT	COMPUTATION	CONC	ID
✓	23	6152 231578		/ NO for All	ND	diesel
				/	ND	motor oil
✓	24	6162 231615	x D - <del>NO</del> NO for Creosote	/	—	diesel
				/	—	motor oil
✓	25	231616		/ NO for Creosote	—	diesel
				/	—	motor oil
✓	27	6171 231679		/ NO for All others	0.57	diesel
				/	NO	motor oil
✓	28	6180 231716		/	NO	diesel
				/		motor oil
✓	29	231717		/	NO	diesel
				/		motor oil
✓	30	231718		/	NO	diesel
				/		motor oil
✓	32	231719		/	NO	diesel
				/		motor oil
✓	33	231720		/	NO	diesel
				/		motor oil
✓	34	6162 231617		/ 5.1 as Creosote	—	diesel
				/	—	motor oil
				/		diesel
				/		motor oil
				/		diesel
				/		motor oil

\*\*Column E: Check off result when entered.

p2exhcs.frm 1-90djf

```

*****
* Sample Name:                               Data File: G:\AR4215
* Date: 12-23-1994 09:31:35 Method: M:\ASURR 12-21-1994 10:33:25 # 409
* Interface: 4 Cycle#: 5 Operator TDN Channel#: 0 Vial#: N.A.
* Starting Peak Width: 6 Threshold: 1 Area Threshold: 10000
*****
Starting Delay: 0.00 Ending retention time: 51.00
Area reject: 10000 One sample per 0.602 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ug/mL	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	19.846		3.4987	3.5876%	34987	6139	5.7 1			1.0000E-04
2	20.137	BTP	94.0238	96.4124%	792621	171350	4.6 1	0	-1.145	1.1562E-04
TOTAL AMOUNT =			97.5226							

```

*****
* Sample Name:                               Data File: G:\AR4215
* Date: 12-23-1994 11:41:04 Method: M:\ASURR 12-27-1994 12:23:47 # 410
* Interface: 4 Cycle#: 8 Operator TDN Channel#: 0 Vial#: N.A.
* Starting Peak Width: 6 Threshold: 1 Area Threshold: 10000
*****
Starting Delay: 0.00 Ending retention time: 51.00
Area reject: 10000 One sample per 0.602 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ug/mL	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	20.137	BTP	101.0781	100.0000%	801167	171137	4.7 1	0	-1.145	1.2616E-04
TOTAL AMOUNT =			101.0781							

```

*****
* Sample Name:                               Data File: G:\AR4219
* Date: 12-23-1994 12:30:26 Method: M:\ASURR 12-27-1994 12:23:47 # 410
* Interface: 4 Cycle#: 7 Operator TDN Channel#: 0 Vial#: N.A.
* Starting Peak Width: 6 Threshold: 1 Area Threshold: 10000
*****
Starting Delay: 0.00 Ending retention time: 51.00
Area reject: 10000 One sample per 0.602 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

```

1	19.846	43.0876	25.4966%	430876	78603	5.5 2		1.0000E-04
2	20.127 OTP	106.1816	57.9080%	841618	134395	4.6 2	0	1.2616E-04
3	20.408	25.7946	14.0675%	257946	27650	9.3 1		1.0000E-04
4	20.649	8.2987	4.5256%	82987	15067	5.5 1		1.0000E-04

TOTAL AMOUNT = 183.3625

\*\*\*\*\*  
 12-27-1994 12:24:43 Version 5.1.5 \*\*\*\*\*  
 \* Sample Name: Data File: G:\R42110 \*  
 \* Date: 12-23-1994 13:15:16 Method: NRSURF 12-27-1994 12:23:47 # 410 \*  
 \* Interface: 4 Cycles#: 10 Operator: JON Channel#: 0 Vials: N.A. \*  
 \* Starting Peak Width: 6 Threshold: 1 Area Threshold: 10000 \*  
 Starting Delay: 0.00 Ending retention time: 51.00  
 Area reject: 10000 One sample per 0.002 sec.  
 Amount injected: 1.00 Dilution factor: 1.00  
 Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ug/mL	NORMALIZED CONC	AREA	HEIGHT	HEIGHT BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	20.127 OTP		103.0134	98.9940%	816506	175857	4.6 1	0	-1.645	1.2616E-04
2	20.649		1.0469	1.0060%	10459	2322	4.5 1			1.0000E-04

TOTAL AMOUNT = 104.0603

\*\*\*\*\*  
 12-27-1994 12:24:57 Version 5.1.5 \*\*\*\*\*  
 \* Sample Name: Data File: G:\R42112 \*  
 \* Date: 12-23-1994 14:00:14 Method: NRSURF 12-27-1994 12:23:47 # 410 \*  
 \* Interface: 4 Cycles#: 11 Operator: JON Channel#: 0 Vials: N.A. \*  
 \* Starting Peak Width: 6 Threshold: 1 Area Threshold: 10000 \*  
 Starting Delay: 0.00 Ending retention time: 51.00  
 Area reject: 10000 One sample per 0.002 sec.  
 Amount injected: 1.00 Dilution factor: 1.00  
 Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ug/mL	NORMALIZED CONC	AREA	HEIGHT	HEIGHT BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	19.846		10.5066	7.6147%	105066	18998	5.5 1			1.0000E-04
2	20.117 OTP		96.4716	69.9174%	764654	167689	4.6 1	0	-2.141	1.2616E-04
3	20.398		21.6551	15.6945%	216551	25587	8.5 1			1.0000E-04
4	20.639		9.3460	6.7735%	93460	16145	5.8 1			1.0000E-04

TOTAL AMOUNT = 137.9794

\*\*\*\*\*  
 12-27-1994 12:24:57 Version 5.1.5 \*\*\*\*\*  
 \* Sample Name: Data File: G:\R42112 \*  
 \* Date: 12-23-1994 14:05:16 Method: NRSURF 12-27-1994 12:23:47 # 410 \*  
 \* Interface: 4 Cycles#: 12 Operator: JON Channel#: 0 Vials: N.A. \*  
 \* Starting Peak Width: 6 Threshold: 1 Area Threshold: 10000 \*  
 Starting Delay: 0.00 Ending retention time: 51.00  
 Area reject: 10000 One sample per 0.002 sec.  
 Amount injected: 1.00 Dilution factor: 1.00

LINE	TIME	DATE	AMOUNT	RATE	START	END	UNIT	VALUE	STATUS
1	19.836		11.0015	7.6625%	110016	19570	5.6	1	1.0000E-04
2	20.117	OTF	99.5057	69.3052%	788703	171495	4.6	1	1.2616E-04
3	20.398		22.7155	15.8212%	227155	26398	8.6	1	1.0000E-04
4	20.639		10.3534	7.2111%	103534	17235	6.0	1	1.0000E-04

TOTAL AMOUNT = 143.5762

Processed: 12-23-1994 09:26:05, segment 4, cycle 4  
 RAW DATA SAVED IN FILE G:\R4214.PTS Second channel stored in G:\R4214.P1

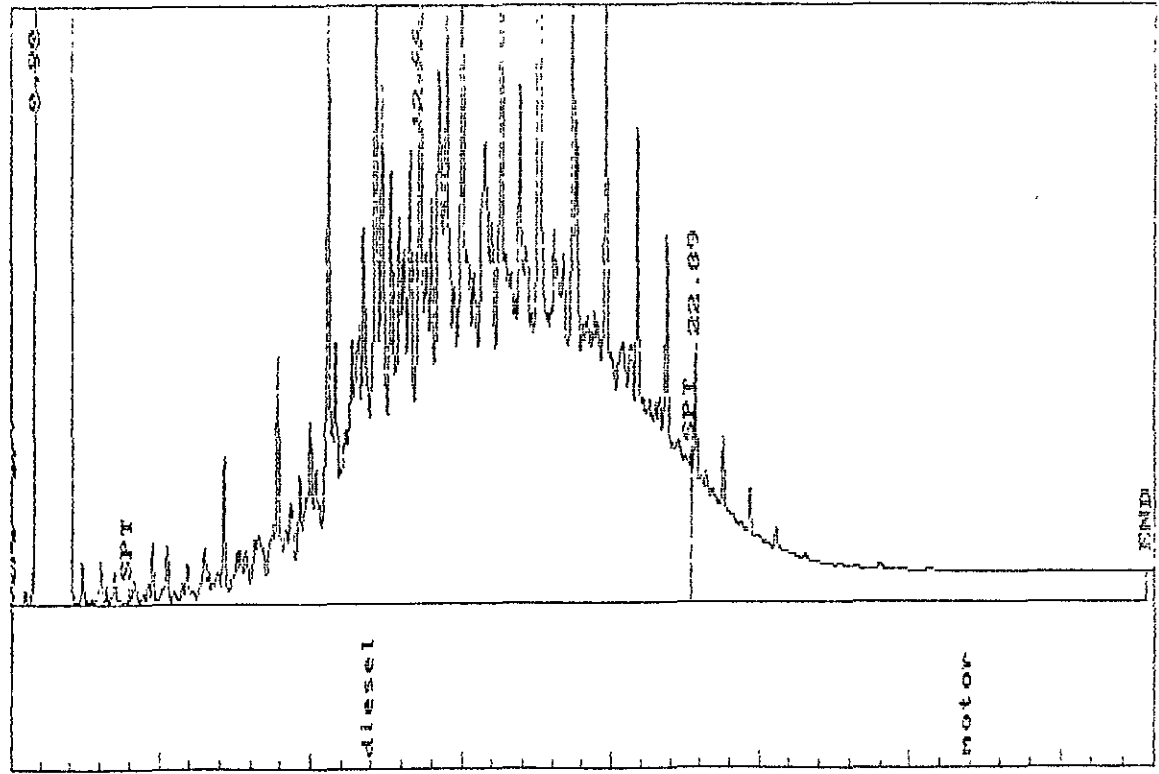
\*\*\*\*\*  
 EFFECTIVE STANDARD TABLE \*\*\*\*\*  
 \*\*\*\*\* 12-23-1994 09:26:58 Version 5.1.5 \*\*\*\*\*  
 \* Sample Name: Diesel W 6916 1000 ppm Data file: G:\R4214 \*  
 \* Date: 12-23-1994 08:46:55 Method: MATHC11 12-08-1994 10:20:15 # 354 \*  
 \* Interface: 4 Cycles: 4 Operator TDH Channel#: 0 Vial#: H.A. \*  
 \* Starting Peak Width: 5 Threshold: 1 Area Threshold: 500 \*  
 \*\*\*\*\*  
 Starting Delay: 0.00 Ending retention times: 38.00  
 Area reject: 10000 One sample per 0.202 sec.  
 Amount injected: 1.00 Dilution factor: 1.00  
 Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ug/ml	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	0.903		5837.8701	83.4745%	58398704	970174	59.0 0V			1.0000E-04
2	13.655	diesel	1030.5724	14.7344%	79875408	345648	231.1 2	0	13.79	1.2902E-05
3	22.886	motor oil	123.8819	1.7712%	13093394	80524	162.6 2	0	-28.48	9.4814E-06
TOTAL AMOUNT =			6994.3442							

$\frac{1031}{1000} = 1.031$

$RF = \frac{1000}{79875} = 0.01252$

Data file: G:\R4214.PTS Printed on 12-23-1994 at 09:27:45  
 Start time: 0.00 min. Stop time: 38.00 min. Offset: 0 min.  
 Full range: 200 mAU/Div



TDH ✓

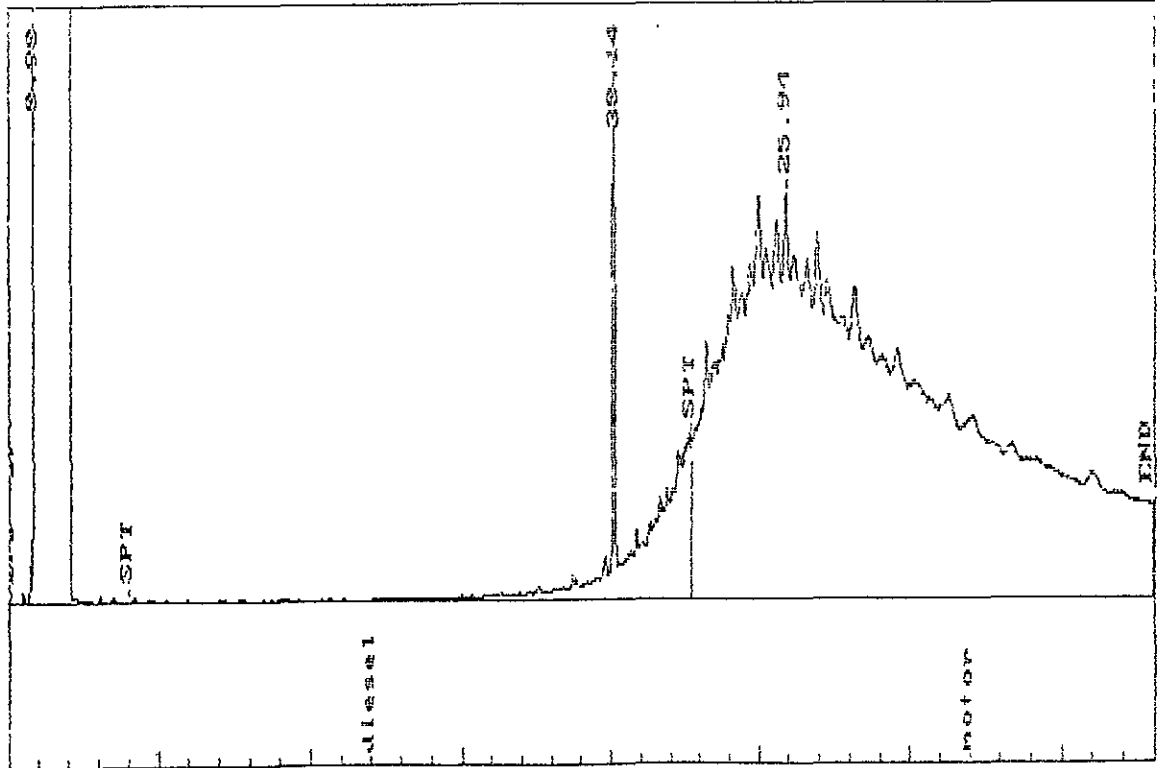
Processed: 12-23-1994 10:09:45, segment 5, cycle 5  
 RAW DATA SAVED IN FILE GAR4215.PTS Second Channel Stored in GAR4215.FTS

\*\*\*\*\*  
 \*\*\* 12-23-1994 10:11:38 Version 5.1.5 \*\*\*  
 \* Sample Name: *M.O. W6781* Data File: GAR4215 \*  
 \* Date: 12-23-1994 09:31:35 Method: N/AHC11 12-03-1994 10:20:15 # 254 \*  
 \* Interface: 4 Cycle#: 5 Operator TDH Channel#: 0 Vial#: N/A. \*  
 \* Starting Peak Width: 5 Threshold: 1 Area Threshold: 500 \*  
 \*\*\*\*\*  
 Starting Delay: 0.00 Ending retention time: 68.00  
 Area reject: 10000 One sample per 0.202 sec.  
 Amount injected: 1.00 Dilution factor: 1.00  
 Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ug/mL	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT BL	REF PEAK	% DELTA RET TIME	COND/AREA
1	0.903		5756.5952	85.0385%	57565956	990176	58.1 00			1.0000E-04
2	20.137	diesel	43.1279	0.6371%	6487887	180980	35.6 2	0	67.80	6.6475E-06
3	25.936	motor oil	969.6745	14.3244%	61910252	131917	469.3 2	0	-18.94	1.5663E-05
TOTAL AMOUNT =			6769.3975							

*98 970  
 -36  
 934/1000 = 936*

Data File = GAR4215.FTS Started on 12-23-1994 at 10:11:45  
 Start time: 0.00 min. Stop time: 68.00 min. Offset: 0 min.  
 Cell range: 200 cells



*TDH  
 ✓*



Processed: 12-23-1994 10:56:34, segment 6, cycle 6

RAW DATA SAVED IN FILE G:\R4216.PIG Second Channel Stored in G:\R4216.PIG

\*\*\*\*\*  
 \*\*\*\*\*  
 \* Sample Name: *Creosote W6955 2000ppm* Data File: G:\R4216 \*  
 \* Date: 12-23-1994 10:16:19 Method: H:\MCL1 12-08-1994 10:20:15 # 25 \*  
 \* Interface: 4 Cycles: 6 Operator TDN Channel#: 0 Vial#: H.A. \*  
 \* Starting Peak Width: 5 Threshold: 1 Area Threshold: 500 \*  
 \*\*\*\*\*  
 Starting Delay: 0.00 Ending retention time: 30.00  
 Area reject: 10000 One sample per 0.407 sec.  
 Amount injected: 1.00 Dilution factor: 1.00  
 Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ug/mL	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	0.903		5738.2246	75.4880%	57382248	990209	57.9 0V			1.0000E-14
2	10.585	diesel	1208.4139	15.8970%	93092704	990205	94.0 0V	0	-11.79	1.2581E-05
3	22.766	motor oil	654.8668	8.6150%	43740400	990209	44.2 0V	0	-28.79	1.4972E-05

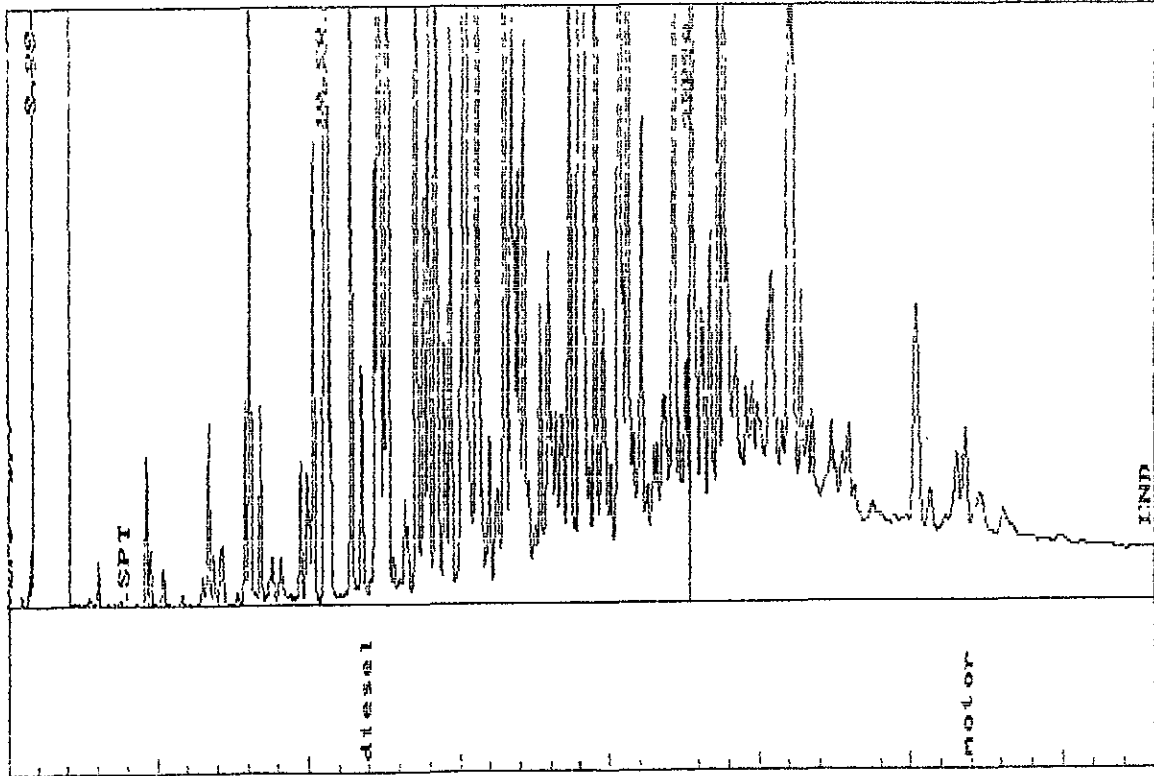
TOTAL AMOUNT = 7601.5054

*136832  
 -124296  
 124296*

*RF = 2000  
 124296*

*RF = 0.01609*

Date File = G:\R4216.PIG Printed on 12-23-1994 at 10:56:32  
 start time: 0.00 min. Stop time: 30.00 min. Dilute: 0.00  
 Full Range: 200 mV/div



Processed: 12-23-1994 12:23:50, segment 3, cycle 3  
 Raw Data SAVED IN FILE G:\R4218.PTS Second Channel Stored in G:\R4218.PTS

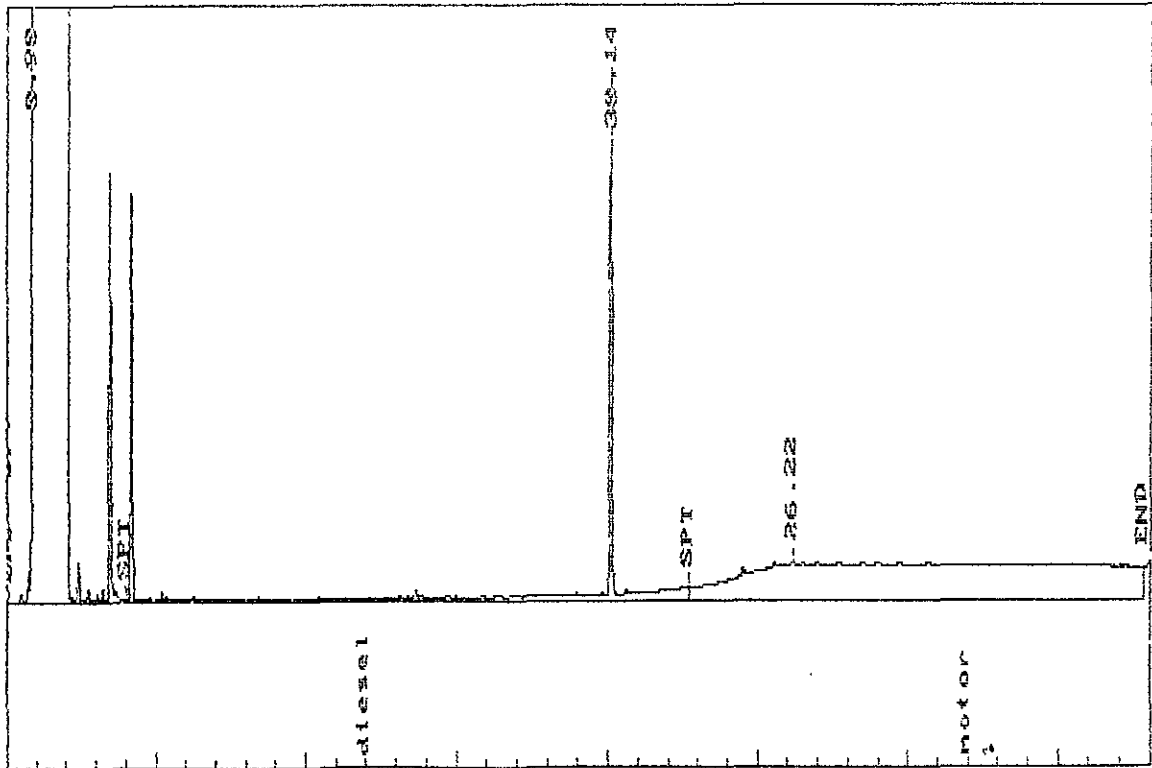
```

*****
*** 12-23-1994 12:25:48 Version 5.1.5 *****
* Sample Name: Blank 8962 Data File: G:\R4218 *
* Date: 12-23-1994 11:45:44 Method: P:\MHC11 12-08-1994 10:20:15 # 254 *
* Interfaces: 4 Cycle#: 8 Operator: TDH Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 6 Threshold: J Area Threshold: 500 *
*****
Starting Delay: 0.00 Ending retention time: 38.00
Area rejects: 10000 One sample per 0.602 sec.
Amount injected: 1.00 Dilution Factor: 1.00
Sample Weight: 1.00000
  
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ug/mL	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	REF PEAK	% DELTA RET TIME	CONC/AREA
1	0.903		5905.2173	98.9955%	59052172	970236	59.6 GV			1.0000E-04
2	20.137	diesel	-3.9154	-0.0656%	2991559	173291	17.3 2	0	67.80	-1.3086E-06
3	26.217	motor oil	63.8332	1.0701%	9627543	12978	741.8 2	0	-18.07	6.6303E-06
TOTAL AMOUNT =			5985.1348							

*NO for D, MG, Creosote*

Data File = G:\R4218.PTS Printed on 12-23-1994 at 12:23:50  
 Start Time: 0.00 min. Stop Time: 38.00 min. Offset: 0.00 min.  
 Full Range: 200 ng Liters



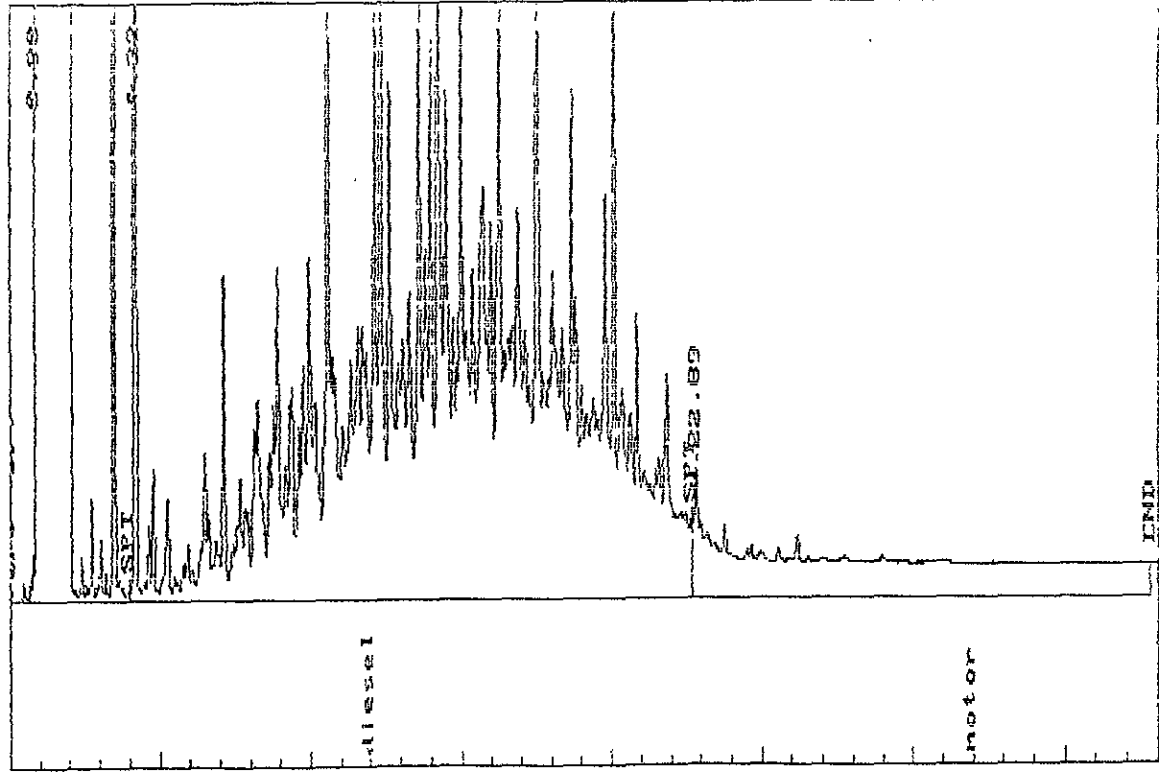
Processed: 12-23-1994 13:08:27, segment 9, cycle 8  
 RAW Data Saved in FILE G:\AR4219.P15 Second Channel Stored in G:\BF4219.L15

\*\*\*\*\*  
 \*\*\*\*\*  
 \* Sample Name: **BMS 8462** Data File: G:\AR4219 \*  
 \* Date: 12-23-1994 12:30:26 Method: BROHCL1 12-08-1994 10:20:15 # 254 \*  
 \* Interfaces: 4 Cycle#: 9 Operator: TON Channel#: 0 Vial#: N/A. \*  
 \* Starting Peak Width: 5 Threshold: 1 Area Threshold: 500 \*  
 \*\*\*\*\*  
 Starting Delay: 0.00 Ending retention time: 36.00  
 Area rejects: 10000 One sample per 0.602 sec.  
 Amount injected: 1.00 Dilution factor: 1.00  
 Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ug/mL	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	REF PEAK	% DELTA RET TIME	CONC/AREA
1	0.903		6387.6572	86.5415%	6387.6576	990225	64.5 BV			1.0000E-04
2	4.234	diesel	907.4325	12.2941%	70727563	943737	74.9 2	0	-64.71	1.2831E-05
3	22.886	motor oil	85.9437	1.1644%	10703712	41988	257.7 2	0	-28.48	7.8521E-06

TOTAL AMOUNT = 7381.0337  
*907 / 100 = 9.07*

Data File = G:\AR4219.P15 Printed on 12-23-1994 at 13:10:36  
 Start Time: 0.00 min. Stop Time: 36.00 min. Offset: 5 min.  
 Full Sample: 200 min. delay



*TON*

Processed: 12-23-1994 13:55:54, segment 10, cycle 10  
 RAW DATA SAVED IN FILE G:\R42110.PTS Second Channel stored in G:\R42110.PTS

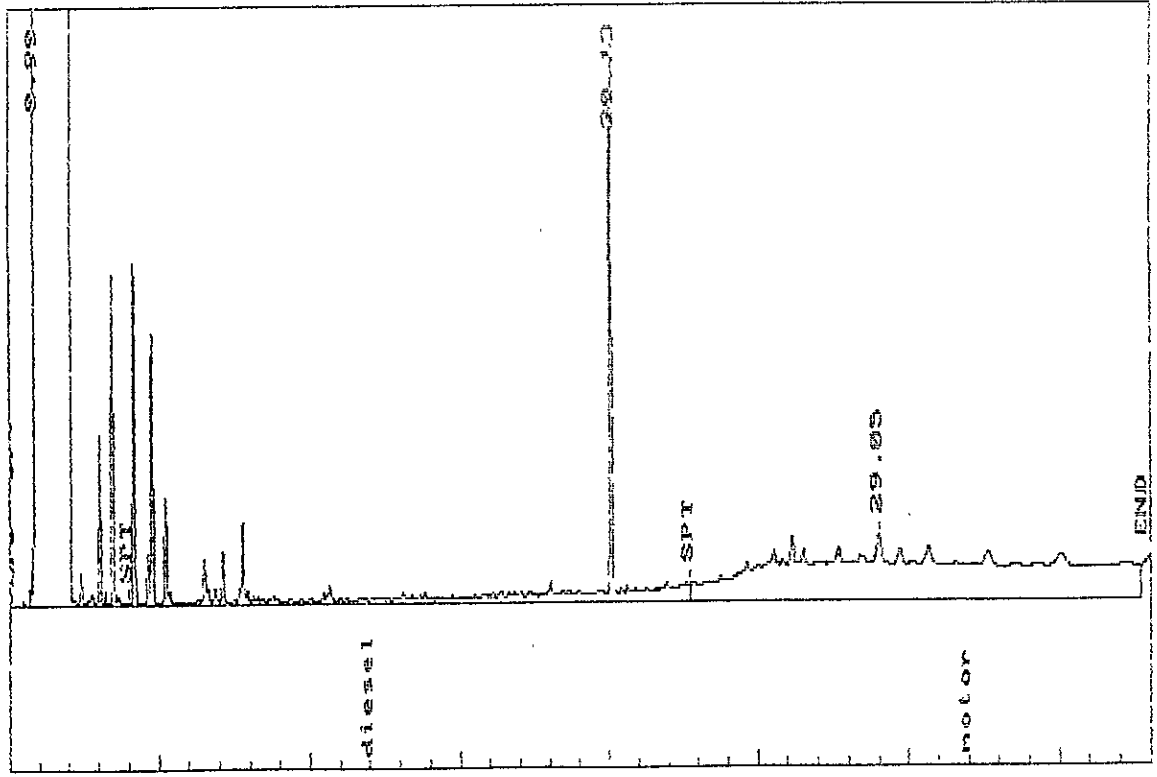
\*\*\*\*\*  
 \* Sample Name: 6149-213564 Data File: G:\R42110 \*  
 \* Date: 12-23-1994 13:15:16 Method: M:\MHC11 -12-08-1994 10:20:15 # 254 \*  
 \* Interfaces: 4 Cycle#: 10 Operator JON Channel#: 0 Vial#: H.A. \*  
 \* Starting Peak Width: 5 Threshold: 1 Area Threshold: 500 \*  
 Starting Delays: 0.00 Ending retention time: 36.00  
 Area rejects: 10000 One sample per 0.600 sec.  
 Amount injected: 1.00 Dilution factor: 1.00  
 Sample weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ug/mL	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	REF PEAK	% DELTA RET TIME	CONC./AREA
1	0.903		5861.9634	98.3959%	58617635	790210	59.20V			1.0000E-04
2	20.127	diesel	20.1998	0.3391%	4783856	178709	26.82	0	67.72	4.2225E-06
3	29.047	motor oil	75.3682	1.2651%	10293316	21557	477.52	0	-9.225	7.3221E-06

TOTAL AMOUNT = 5957.5312

*ND*

Data File = G:\R42110.PTS Printed on 12-23-1994 at 13:57:55  
 Start time: 0.00 min. Stop time: 36.00 min. Offset: 0.00  
 Full Range: 200 uV/div



*JON*

Processed: 12-23-1994 14:38:27, segment 11, cycle 11  
 RAW DATA SAVED IN FILE G:AR42111.F13 Second Channel Stored in G:BR42111.F13

\*\*\*\*\*  
 \* Sample Name: 6149-231564 MS Data File: G:AR42111 \*  
 \* Date: 12-23-1994 14:00:14 Method: M:ANCL 12-08-1994 10:20:15 # 254 \*  
 \* Interfaces: 4 Cycle#: 11 Operator JON Channel#: 0 Vial#: N.A. \*  
 \* Starting Peak Width: 5 threshold: 1 Area Threshold: 500 \*  
 \*\*\*\*\*  
 Starting Delay: 0.00 Ending retention time: 38.00  
 Area reject: 10000 One sample per 0.602 sec.  
 Amount injected: 1.00 Dilution Factor: 1.00  
 Sample Weight: 1.00000

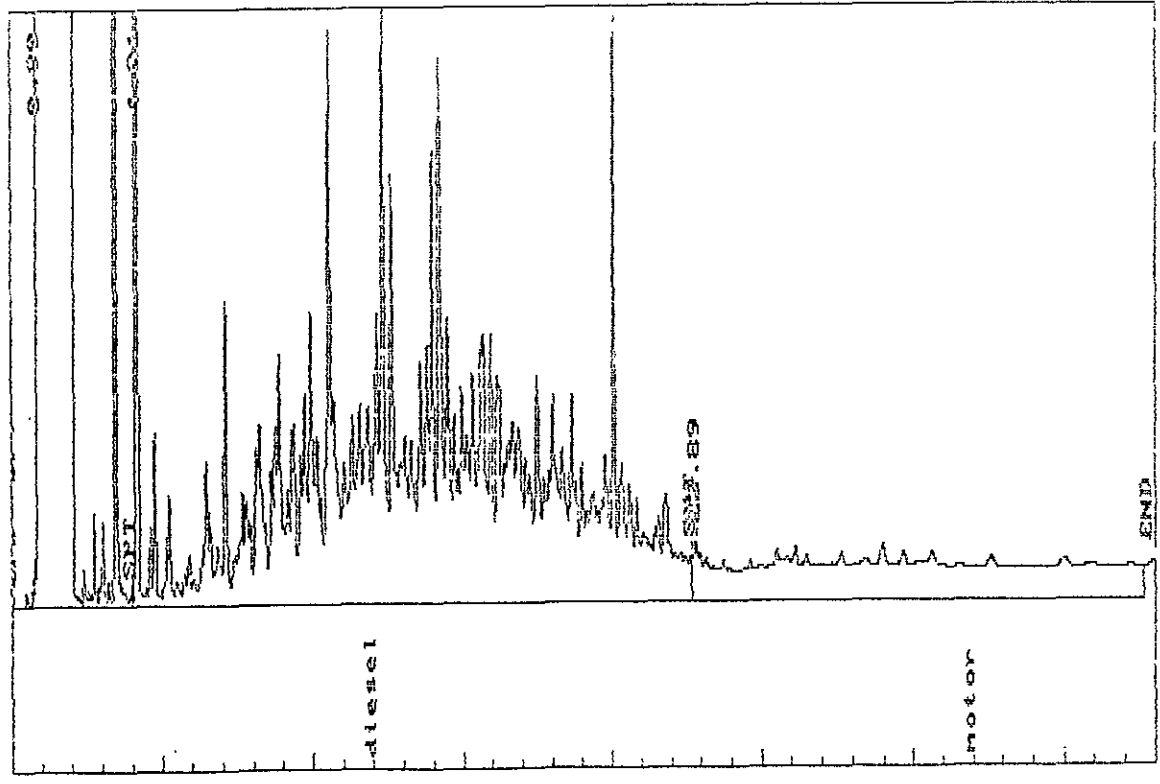
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ug/mL	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	REF PEAK	% DELTA RET TIME	CONC/AREA
1	0.903		6378.7437	90.4565%	63787440	990196	64.4 0V			1.0000E-04
2	4.214	diesel	595.3629	8.4428%	47530348	990196	48.0 0V	0	-64.88	1.2526E-05
3	22.886	motor oil	77.6180	1.1007%	10423168	19397	537.4 2	0	-28.48	7.4467E-06

TOTAL AMOUNT = 7051.7246

$$\frac{595}{500} = 1.19$$

$$\frac{1.19}{2} = 60\%b$$

Data File = G:AR42111.F13 Printed on 12-23-1994 at 14:40:23  
 Start time: 0.00 min. Stop time: 38.00 min. Drift: 0.00  
 Full Scale: 200 millivolts



TBW  
 J

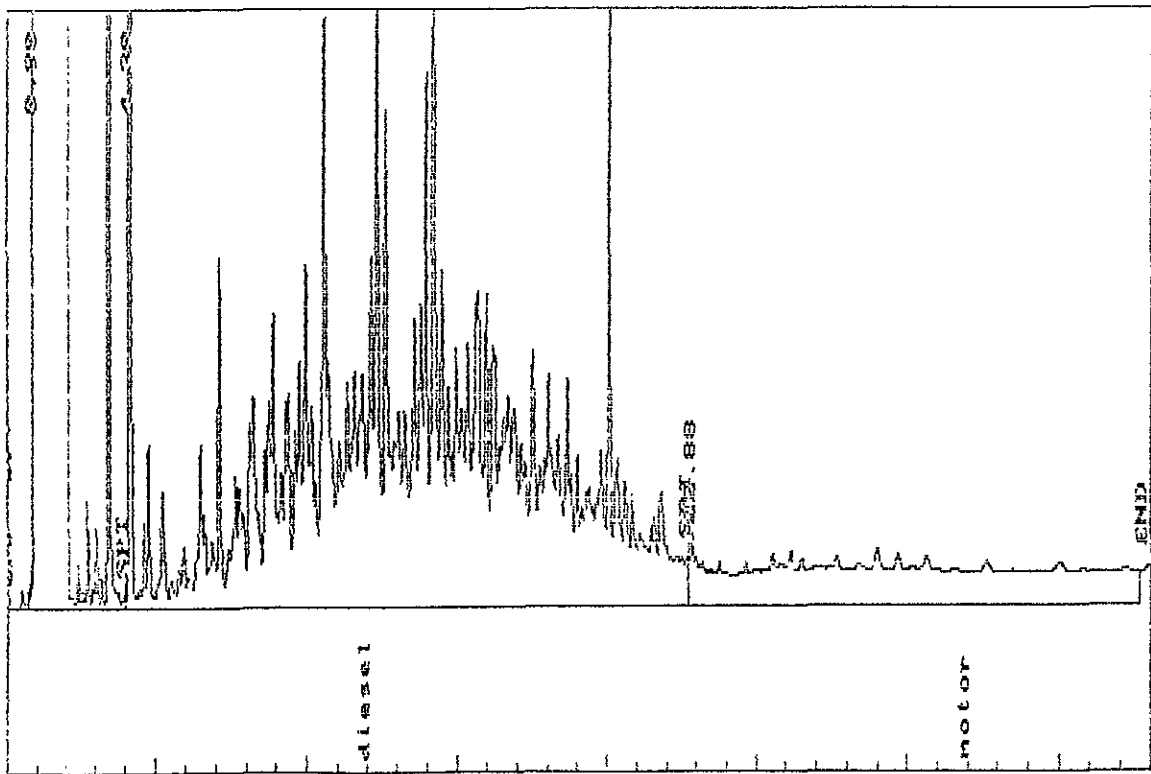
Processed: 12-23-1994 15:23:30, segment 12, cycle 12  
 Raw Data SAVED in FILE G:\AR42112.PTS Second Channel Stored in G:\AR42112.PTS

\*\*\*\*\*  
 \* Sample Name: **6149-231564 MSD** Data File: G:\AR42112 \*  
 \* Date: 12-23-1994 14:45:16 Method: H:\MSDC11 12-03-1994 10:20:15 # 254 \*  
 \* Interface: 4 Cycle#: 12 Operator TOM Channel#: 0 Vial#: 14.00 \*  
 \* Starting Peak Width: 5 Threshold: 1 Area threshold: 500 \*  
 \*\*\*\*\*  
 Starting Delay: 0.00 Ending retention times: 30.00  
 Area rejects: 10000 One sample per 0.002 sec.  
 Amount injected: 1.00 Dilution factor: 1.00  
 Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ug/mL	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	0.903		6468.2866	89.4750%	64682866	990164	65.3 09			1.0000E-04
2	4.204	diesel	682.6749	9.4437%	54019435	990164	54.6 09	0	-64.96	1.2638E-05
3	22.876	motor oil	77.9533	1.0784%	10442516	19961	523.1 2	0	-28.51	7.4650E-05
TOTAL AMOUNT =			7228.9146							

$$\frac{683}{500} = \frac{1.37}{2} = 683$$

Data File: G:\AR42112.PTS Printed on 12-23-1994 at 15:25:31  
 Start Times: 0.00 min. Stop times: 30.00 min. Offsets: 0.00 min.  
 Full Range: 20.0 millivolts



TOM  
*[Handwritten signature]*

Processed: 12-24-1994 07:52:21, segment 6, cycle 34  
 RAW DATA SAVED IN FILE G:\AR42134.PIS Second Channel Stored in G:\BP42134.PIS

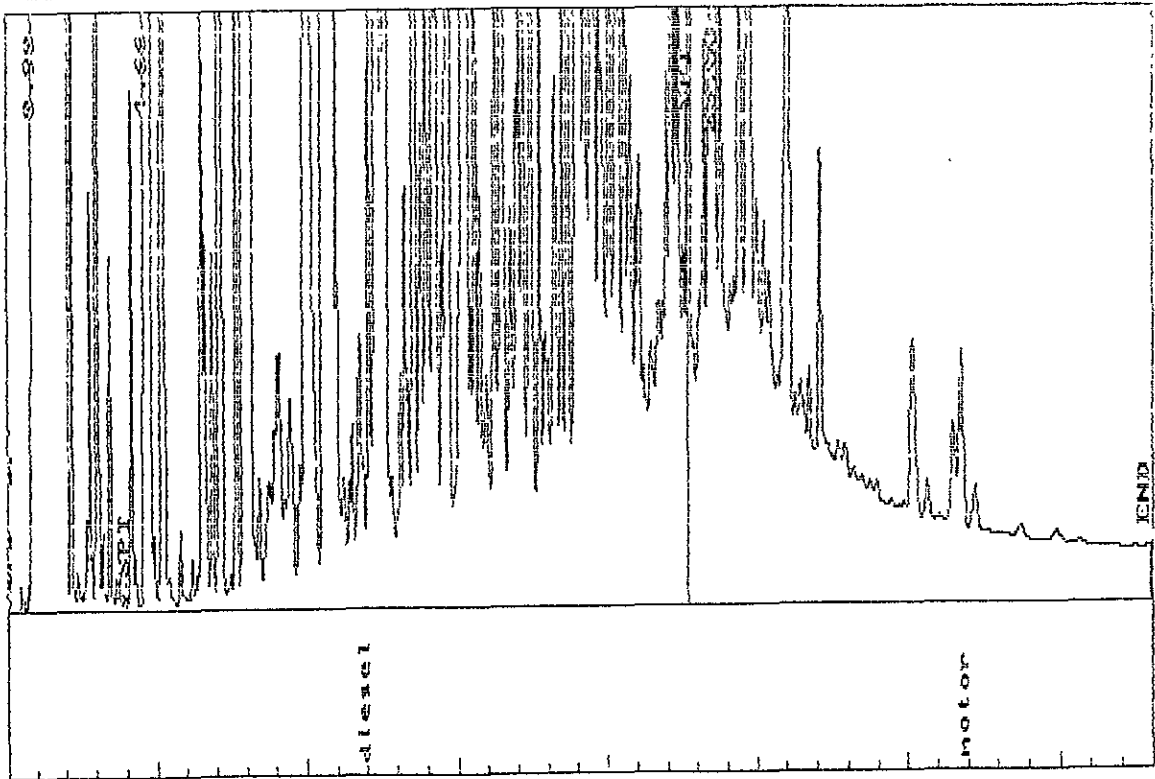
\*\*\*\*\*  
 \*\*\*\*\*  
 \* Sample Name: **6162-231617** Data File: G:\AR42134 \*  
 \* Date: 12-24-1994 07:13:55 Method: M:AH011 12-08-1994 10:20:15 # 254 \*  
 \* Interface: 4 Cycle#: 34 Operator ID# Channel#: 0 Vial#: N.A. \*  
 \* Starting Peak Width: 5 Threshold: 1 Area Threshold: 500 \*  
 \*\*\*\*\*  
 Starting Delay: 0.00 Ending retention time: 38.00  
 Area reject: 10000 One sample per 0.602 sec.  
 Amount injected: 1.00 Dilution factor: 1.00  
 Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ug/mL	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	REF PEAK	% DELTA RET TIME	CONC/AREA
1	0.903		7047.7061	62.9307%	70477064	990224	71.2 BV			1.0000E-04
2	4.655	diesel	3122.6650	27.8830%	23536104	990224	237.7 BV	0	-61.20	1.3266E-05
3	23.598	motor oil	1028.7844	9.1863%	85321720	990224	66.0 BV	0	-26.25	1.5749E-05

TOTAL AMOUNT = 11199.1553

*Handwritten:*  
 $\frac{300882}{-14572} = 20650$   
 $\frac{4604}{900} = 5.1$  as Creosote  
 $286110 \times RF =$

data file = G:\AR42134.PIS Printed on 12-24-1994 at 07:55:12  
 Start time: 0.00 min. Stop time: 38.00 min. Offset: 5 m.  
 Full range: 200 millivolts



*Handwritten:* TDW ✓

Processed: 12-24-1994 10:07:13, segment 9, cycle 3

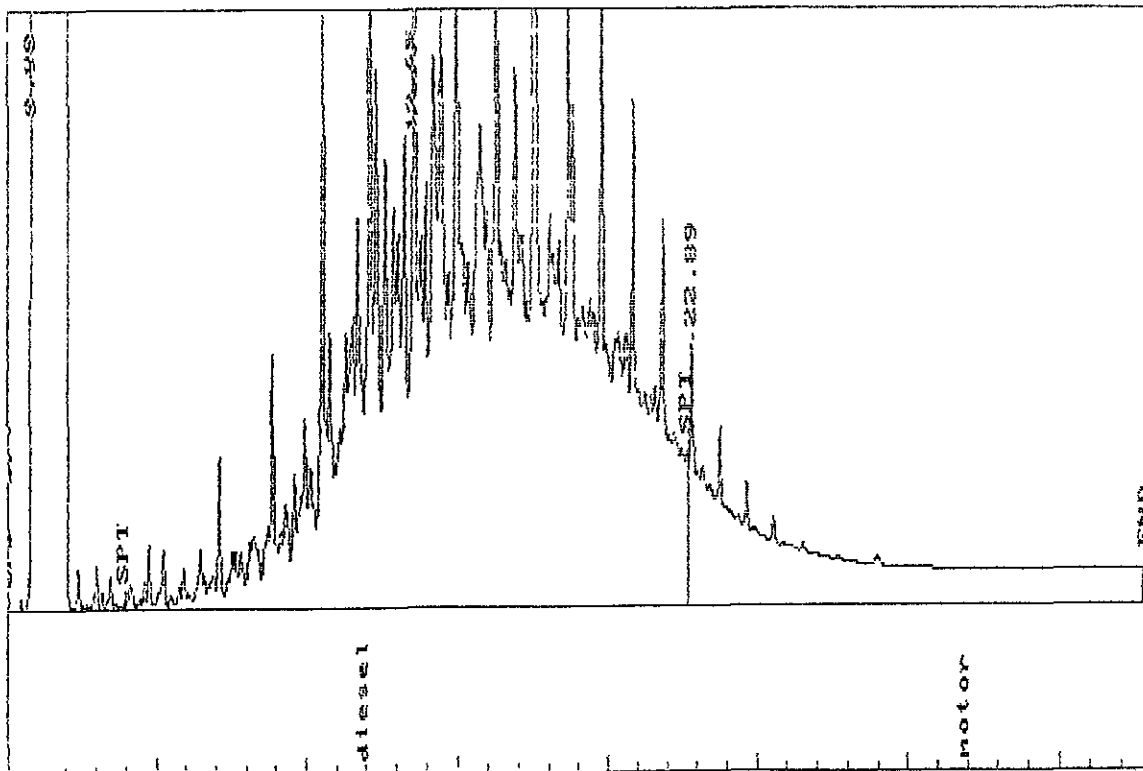
RAW DATA SAVED IN FILE G:\AR42137.PTS Second Channel Stored in G:\AR42137.PTS

\*\*\*\*\*  
\*\*\*\*\* 12-24-1994 10:09:59 Version: 5.1.5 \*\*\*\*\*  
\* Sample Name: Diesel W6910 1000ppm Data File: G:\AR42137 \*  
\* Date: 12-24-1994 09:28:47 Method: HsAFC11 12-08-1994 10:20:15 # 254 \*  
\* Interface: 4 Cycle#: 37 Operator TDH Channel#: 0 Vial#: N.A. \*  
\* Starting Peak Width: 5 Threshold: 1 Area Threshold: 500 \*  
\*\*\*\*\*  
Starting Delay: 0.00 Ending retention time: 36.00  
Area reject: 10000 One sample per 0.602 sec.  
Amount injected: 1.00 Dilution factor: 1.00  
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ug/mL	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	REF PEAK	% DELTA RET TIME	CONC/AREA
1	0.903		5809.4775	82.4350%	58094776	990203	58.7	0		1.0000E-04
2	13.645	diesel	1077.7953	15.2936%	83385040	357006	233.6	2	13.71	1.2926E-05
3	22.886	motor oil	160.0672	2.2713%	15181913	64598	179.5	2	-28.48	1.0543E-05

TOTAL AMOUNT = 7047.3403

Data File: G:\AR42137.PTS Printed on 12-24-1994 at 10:10:00  
Start time: 0.00 min. Stop time: 36.00 min. Offset: 0.00  
Full Range: 200 mV/Div





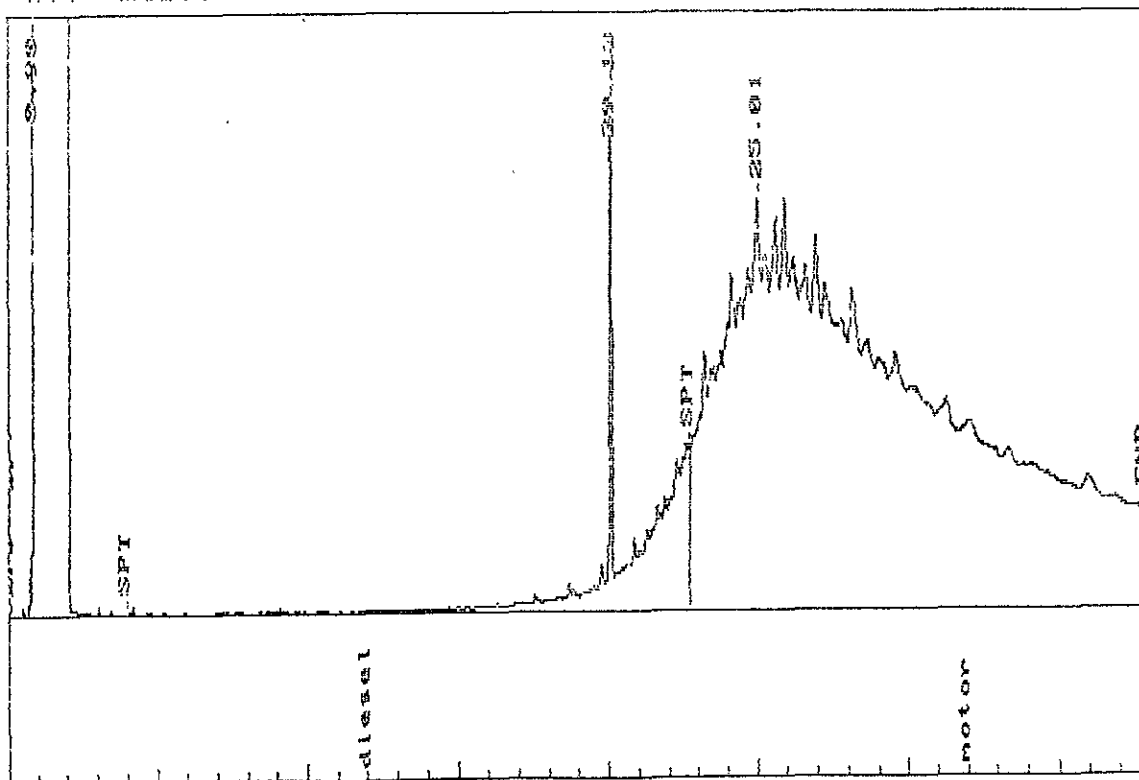
Processed: 12-24-1994 10:52:09, segment 10, cycle 38  
 RAW DATA SAVED IN FILE G:\R42138.P15 Second Channel Stored in G:\R42138.P16

\*\*\*\*\* EXECUTABLE STARTED \*\*\*\*\*  
 \*\*\*\*\* 12-24-1994 10:54:55 Version 5.1.5 \*\*\*\*\*  
 \* Sample Name: *M.O. W6781 1000ppm* Data File: G:\R42138 \*  
 \* Date: 12-24-1994 10:13:42 Method: H:\AHC11 12-08-1994 10:20:15 # 254 \*  
 \* Interfaces: 4 Cycles: 38 Operator JDN Channel#: 0 Vial#: N.A. \*  
 \* Starting Peak Width: 5 Threshold: 1 Area Threshold: 500 \*  
 \*\*\*\*\*  
 Starting Delay: 0.00 Ending retention time: 39.00  
 Area rejects: 10000 One sample per 0.602 sec.  
 Amount injected: 1.00 Dilution factor: 1.00  
 Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ug/ml	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	REF PEAK	% DELTA RET TIME	CGNC/AREA
1	0.903		5716.0747	84.4921%	57160748	990185	57.7 GV			1.0000E-04
2	20.127	diesel	47.6116	0.7038%	4821115	186919	37.7 L	0	67.72	6.9800E-06
3	25.013	motor oil	1001.5285	14.8041%	63748776	133675	476.2 Z	0	-21.83	1.5711E-05

TOTAL AMOUNT = 6765.2148

Data File = G:\R42138.P15 Printed on 12-24-1994 at 10:50:00  
 Start time: 0.00 min. Stop time: 39.00 min. Offset: 5.00  
 Full Range: 200 milliseconds



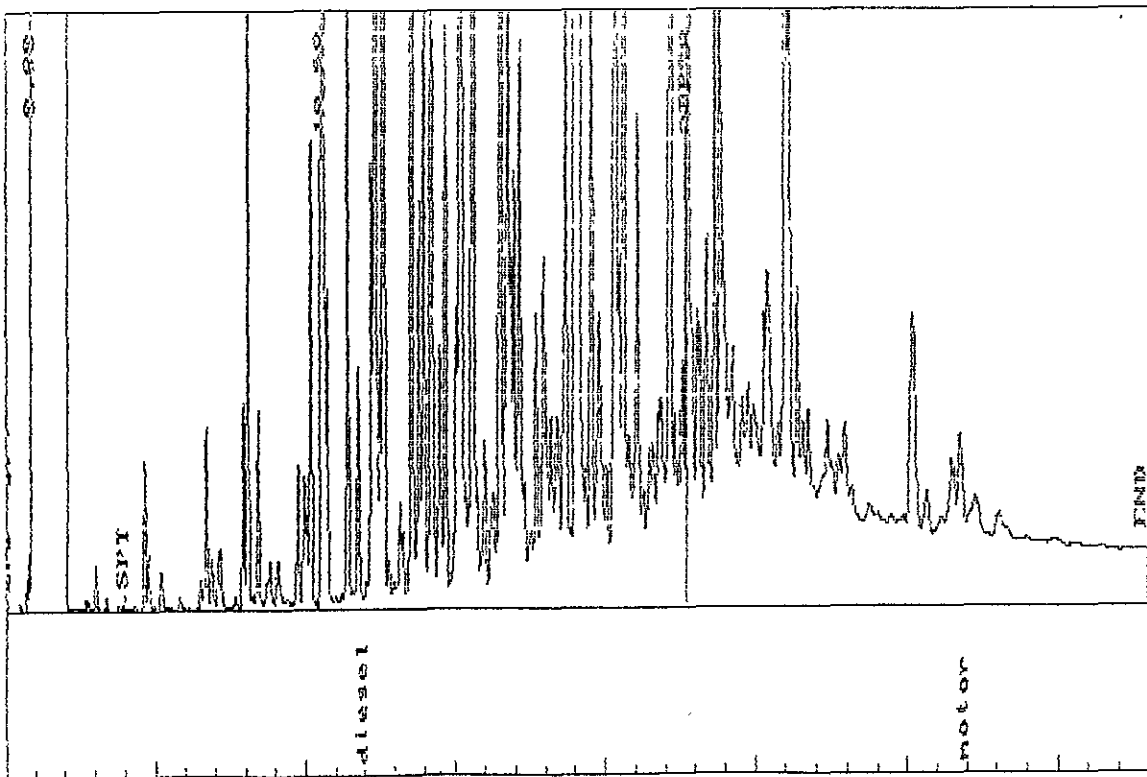
Processed: 12-24-1994 11:57:05, segment 11, cycle 39  
 RAW DATA SAVED IN FILE G:\AR42139.PTS Second Channel Stored in G:\BR42139.118

\*\*\*\*\* INTERNAL STANDARD TABLE \*\*\*\*\*  
 \*\*\*\*\* 12-24-1994 11:39:51 Version 5.1.5 \*\*\*\*\*  
 \* Sample Name: *Cresote W6955 2000µl* Data File: G:\AR42139 \*  
 \* Date: 12-24-1994 10:58:38 Method: M:ABC11 12-08-1994 10:20:15 # 254 \*  
 \* Interfaces: 4 Cycles: 39 Operator TOH Channel#: 0 Vial#: N.A. \*  
 \* Starting Peak Width: 5 Threshold: 1 Area Threshold: 500 \*  
 \*\*\*\*\*  
 Starting Delay: 0.00 Ending retention time: 33.00  
 Area rejects: 10000 One sample per 0.602 sec.  
 Amount injected: 1.00 Dilution factor: 1.00  
 Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ug/mL	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	0.903		5721.6377	75.2289%	57216376	990182	57.8 BV			1.0000E-04
2	10.575	diesel	1218.2299	16.0175%	93822232	990182	94.8 BV	0	-11.87	1.2934E-05
3	22.776	motor oil	665.7697	8.7536%	44369684	990182	44.8 BV	0	-23.82	1.5005E-05

TOTAL AMOUNT = 7605.6372

Data File: G:\AR42139.PTS Printed on 12-24-1994 at 11:59:16  
 Start times 0.00 min. Stop times 33.00 min. Offset: 0 min.  
 Full Range 200 millivolts



G 3 8660

12/27/94

III A/B 8660

DVDA-M

12-27-94

RUN#	ID	VOL	MASS	WD832 SURK	DIL	PRT
1	BLANK	5 ml		10 ml	-	1
2	W0843	+5 ml			-	2 LOW
3	W0843	+5 ml			-	3 DID NOT PURGE WELL
4	W0843	+5 ml			-	4 DCM FAILED
5	W0843	+5 ml			-	5
6	6246-232060				-	6
7	-232060 MS	+5 ml			-	7
8	-232060 MSD	+5 ml			-	8
9	-232061				-	9
10	-232062				-	10
11	-232063				-	11
12	-232064				-	12
13	-232065				-	13
14	-232066				-	14
15	-232067				-	15
<del>16</del>	<del>6222-231927</del>					<del>16</del>
16	6162-231615				-	16
17	-231616				-	17
18	-231617				-	18
19	6146-231530 (C)				-	19
20	6137-231493 (C)				-	20
21	BLANK 6225-231929 (C)				-	21
22	-231930 (C)				-	22
23	-231931 (C)				-	23
24	-231932 (C)				-	24
25	W0843 6246-232068 (C)				-	25
26	6222-231927	10 ml			500x	26
27	W0843	+5 ml			-	27

12-28-94

W0832 - SURK - 15 mg/ml

W0843 - 601/602 MIX - 20 mg/ml



NATIONAL ENVIRONMENTAL TESTING, INC.

#783

DATE 11/21/77  
 LOG # G38660 W1  
 ANALYST JMH  
 PAGE 1 OF     

VOLATILE ORGANICS  
 BLANK DATA

STD NO. W0832 SUPR  
 PREP DATE     

AMOUNT INJ    AMOUNT REC    %REC

Bromodichloromethane	0		ND
Bromoform			
Bromomethane			
Carbon tetrachloride			
Chlorobenzene			
Chloroethane			
2-Chloroethylvinyl ether			
Chloroform			
Chloromethane			
Dibromochloromethane			
1,2-Dichlorobenzene			
1,3-Dichlorobenzene			
1,4-Dichlorobenzene			
Dichlorodifluoromethane			
1,1-Dichloroethane			
1,2-Dichloroethane			
1,1-Dichloroethene			
trans-1,2-Dichloroethene			
1,2-Dichloropropane			
cis-1,3-Dichloropropene			
trans-1,3-Dichloropropene			
Methylene chloride			
1,1,2,2-Tetrachloroethane			
Tetrachloroethene			
1,1,1-Trichloroethane			
1,1,2-Trichloroethane			
Trichloroethene			
Trichlorofluoromethane			
Vinyl chloride			
Benzene			
Ethylbenzene			
Toluene			
Xylenes (total)			
SURROGATE RESULTS			
1,4-Difluorobenzene	100.		83.7%
1,4-Dichlorobutane	100.		97.7%
Bromochloromethane			

E  
 12/1



NATIONAL ENVIRONMENTAL TESTING, INC.

# 783

DATE 12 12 1994

LOG # G38660W1

ANALYST JMH

PAGE 2 OF

VOLATILE ORGANICS CONTINUING CALIBRATION DATA

STD NO. W0843  
PREP DATE

AMOUNT INJ AMOUNT REC %REC

Bromodichloromethane	20.0	18.4	92.0%
Bromoform		18.2	91.0%
Bromomethane		24.4	122.0% *
Carbon tetrachloride		18.6	93.0%
Chlorobenzene		18.3	92.0%
Chloroethane		19.3	96.0%
2-Chloroethylvinyl ether		12.2	61.0% *
Chloroform		20.4	102.0%
Chloromethane		21.3	106.0%
Dibromochloromethane		17.6	88.0%
1,2-Dichlorobenzene		18.5	92.0%
1,3-Dichlorobenzene		18.1	90.0%
1,4-Dichlorobenzene		19.1	96.0%
Dichlorodifluoromethane		18.3	92.0%
1,1-Dichloroethane		18.6	93.0%
1,2-Dichloroethane		18.2	91.0%
1,1-Dichloroethene		17.7	88.0%
trans-1,2-Dichloroethene		18.0	90.0%
1,2-Dichloropropane		18.3	92.0%
cis-1,3-Dichloropropene		18.4	92.0%
trans-1,3-Dichloropropene		18.6	93.0%
Methylene chloride		15.6	78.0% *
1,1,2,2-Tetrachloroethane		19.5	98.0%
Tetrachloroethene		18.3	92.0%
1,1,1-Trichloroethane		18.3	92.0%
1,1,2-Trichloroethane		17.8	89.0%
Trichloroethene		19.8	99.0%
Trichlorofluoromethane		17.6	88.0%
Vinyl chloride		18.2	91.0%
Benzene		19.0	95.0%
Ethylbenzene		19.0	95.0%
Toluene		18.5	92.0%
Xylenes (total)	60.0	52.1	87.0%
SURROGATE RESULTS			
1,4-Difluorobenzene	100.	88.	88.0%
1,4-Dichlorobutane	100.	92.	92.0%
Bromochloromethane	NA		

\* INSIDE TABLE 3



NATIONAL ENVIRONMENTAL TESTING, INC.

# 783

DATE 12/27/94  
 LOG # G38660W1  
 ANALYST JMH  
 PAGE 3 OF     

601/602 QC

DATE QC LIMITS UPDATED :     /    /    

QC SAMPLE # : 6246-232060

MATRIX : SOIL / WATER

COMPOUND	CCYS	CONC : SPIKE	CONC : SAMPLE	CONC : N.S.	% REC N.S.
BENZENE	1	20,	T	18.2	91.7%
TOLUENE				17.5	88.7%
1,1-DICHLOROETHENE				16.6	83.7%
TRICHLOROETHENE				18.7	94.7%
CHLOROETHENE				17.6	88.7%

				CONC : N.S.D.	% REC N.S.D.	AVE REC	RPD	RPD	QC LIMITS % REC
BENZENE		20,	T	18.6	93.7%		2.2%		
TOLUENE				17.3	86.7%		2.3%		
1,1-DICHLOROETHENE				17.2	86.7%		3.6%		
TRICHLOROETHENE				19.3	96.7%		2.1%		
CHLOROETHENE				18.1	90.7%		2.3%		

\* ug/L for water, ug/Kg for soil

COMMENTS: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

E



NATIONAL ENVIRONMENTAL TESTING, INC.

# 703

DATE 12, 27, 94  
 LOG # G38660W1  
 ANALYST TMM  
 PAGE 4 OF     

601/602 ANALYSIS

RUN #	LOG #	R.T.	AREA & COMPUTATION	CONC.	ID
1	BLANK	24.68	1,4-DFB	83.7%	1,4-DFB
		40.63		97.7%	1,4-DCB <sub>at</sub>
5	DAILY W0843	24.69		92.7%	1,4-DFB
		40.61		88.7%	1,4-DCB <sub>at</sub>
6	6246- 232060	24.69	(ND)	94.7%	1,4-DFB
		40.61		88.7%	1,4-DCB <sub>at</sub>
7	232060 MS	24.65	✓ SEE	87.7%	1,4-DFB
		40.61	QC FORM	86.7%	1,4-DCB <sub>at</sub>
8	232060 MSD	24.66	✓ SEE QC	89.7%	1,4-DFB
		40.61	FORM	93.7%	1,4-DCB <sub>at</sub>
9	6246- 232061	24.67	(ND)	86.7%	1,4-DFB
		40.61		89.7%	1,4-DCB <sub>at</sub>
10	-232062	24.67	NEEDS (C)	83.7%	1,4-DFB
		40.61	(C) G41238 (08)	86.7%	1,4-DCB <sub>at</sub>
		5.80	ΔRT 0.08	0.9	VC →
		7.30	ΔRT 0.11	3.0	Cl Et →
		7.84	✓	0.5	F11 →
		15.36	✓	2.3	1,1-DCA +
		25.88	✓	0.4	TCE →
		45.51	✓	0.7	1,4-DCB →





NATIONAL ENVIRONMENTAL TESTING, INC.

DATE 12, 27, 94

LOG # G38660W1

ANALYST JMH

PAGE 5 OF     

601/602 ANALYSIS

RUN #	LOG #	R.T.	AREA & COMPUTATION	CONC.	ID
11	6246-	24.66	ND	89.7%	1,4-DFB
	232063	40.62		95.7%	1,4-DCBt
12	-232064	24.68	G41238 (09) ND NEEDS C	83.7%	1,4-DFB
		40.62		88.7%	1,4-DCBt
		5.09		4.1	✓ JMH F12
13	-232065	24.68	ND	84.7%	1,4-DFB
		40.61		85.7%	1,4-DCBt
14	-232066	24.66	ND	86.7%	1,4-DFB
		40.60		85.7%	1,4-DCBt
15	-232067	24.66	ND	82.7%	1,4-DFB
		40.60		81.7%	1,4-DCBt
16	6162-	24.66	ND	81.7%	1,4-DFB
	231615	40.60		84.7%	1,4-DCBt
17	-231616	24.65	ND	83.7%	1,4-DFB
		40.59		86.7%	1,4-DCBt
18	-231617	24.61	ND	85.7%	1,4-DFB
		40.58		81.7%	1,4-DCBt

15.33 ✓ NEEDS C G41238 (16) ND 0.8 1,2-DCA

Quantitation Report

Signal #1 : C:\HPCHEM\7\DATA\122794\A866001.D Vial: 1  
 Signal #2 : C:\HPCHEM\7\DATA\122794\A866001.D\B866001.D  
 Acq On : 27 Dec 94 08:27 AM Operator: LTG  
 Sample : BLANK Inst : HP3  
 Misc : A/B8582 Multiplr: 1.00  
 Quant Time: Dec 27 9:26 1994

Method : C:\HPCHEM\7\METHODS\DVOA.M  
 Title : 8010/8020  
 Last Update : Sat Dec 17 10:39:36 1994  
 Response via : Multiple Level Calibration

Volume Inj. :  
 Signal #1 Phase : 105m VOCOL Signal #2 Phase: 105m VOCOL  
 Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

NO

*Handwritten signature and date: 12/28/94*

Compound	R.T.	Response	Conc Units
-----			
System Monitoring Compounds			
27) S 1,4-DCBUTANE	40.63	130384625	25.02 ug/L
		Recovery =	83.40%
34) S 1,4-DFB	24.68	12944493	29.02 ug/L
		Recovery =	96.73%
Target Compounds			
1) FREON 12	0.00	0	N.D. ug/L
2) Cl.METHANE	0.00	0	N.D. ug/L
3) VC	0.00	0	N.D. ug/L
4) Br.METHANE	0.00	0	N.D. ug/L
5) Cl. ETHANE	0.00	0	N.D. ug/L
6) FREON 11	7.85	1138425	0.14 ug/L < RL
7) M 1,1-DCE	0.00	0	N.D. ug/L
8) DCM	11.81	5120676	N.D. ug/L
9) t-1,2-DCE	0.00	0	N.D. ug/L
10) 1,1-DCA	0.00	0	N.D. ug/L
11) c-1,2-DCE	0.00	0	N.D. ug/L
12) CHCl3	0.00	0	N.D. ug/L
13) 1,1,1-TCA	0.00	0	N.D. ug/L
14) CCl4	0.00	0	N.D. ug/L
15) 1,2-DCA	0.00	0	N.D. ug/L
16) M TCE	0.00	0	N.D. ug/L
17) 1,2-DCP	0.00	0	N.D. ug/L
18) CHBrCl2	0.00	0	N.D. ug/L
19) 2-CEVE	0.00	0	N.D. ug/L
20) c-1,3-DCP	0.00	0	N.D. ug/L
21) t-1,3-DCP	0.00	0	N.D. ug/L
22) 1,1,2-TCA	0.00	0	N.D. ug/L
23) PCE	33.50	580635	0.05 ug/L
24) CHBr2Cl	0.00	0	N.D. ug/L
25) M Cl.BENZENE	0.00	0	N.D. ug/L
26) CHBr3	0.00	0	N.D. ug/L
28) 1,1,2,2-TCA	0.00	0	N.D. ug/L
29) 1,3-DCB	45.11	709003	0.11 ug/L < RL
30) 1,4-DCB	45.55	570526	0.08 ug/L < RL
31) 1,2-DCB	0.00	0	N.D. ug/L

(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\7\DATA\122794\A866001.D Vial: 1  
 Signal #2 : C:\HPCHEM\7\DATA\122794\A866001.D\B866001.D  
 Acq On : 27 Dec 94 08:27 AM Operator: LTG  
 Sample : BLANK Inst : HP3  
 Misc : A/B8582 Multiplr: 1.00  
 Quant Time: Dec 27 9:26 1994

Method : C:\HPCHEM\7\METHODS\DVOA.M  
 Title : 8010/8020  
 Last Update : Sat Dec 17 10:39:36 1994  
 Response via : Multiple Level Calibration

Volume Inj. :  
 Signal #1 Phase : 105m VOCOL Signal #2 Phase: 105m VOCOL  
 Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

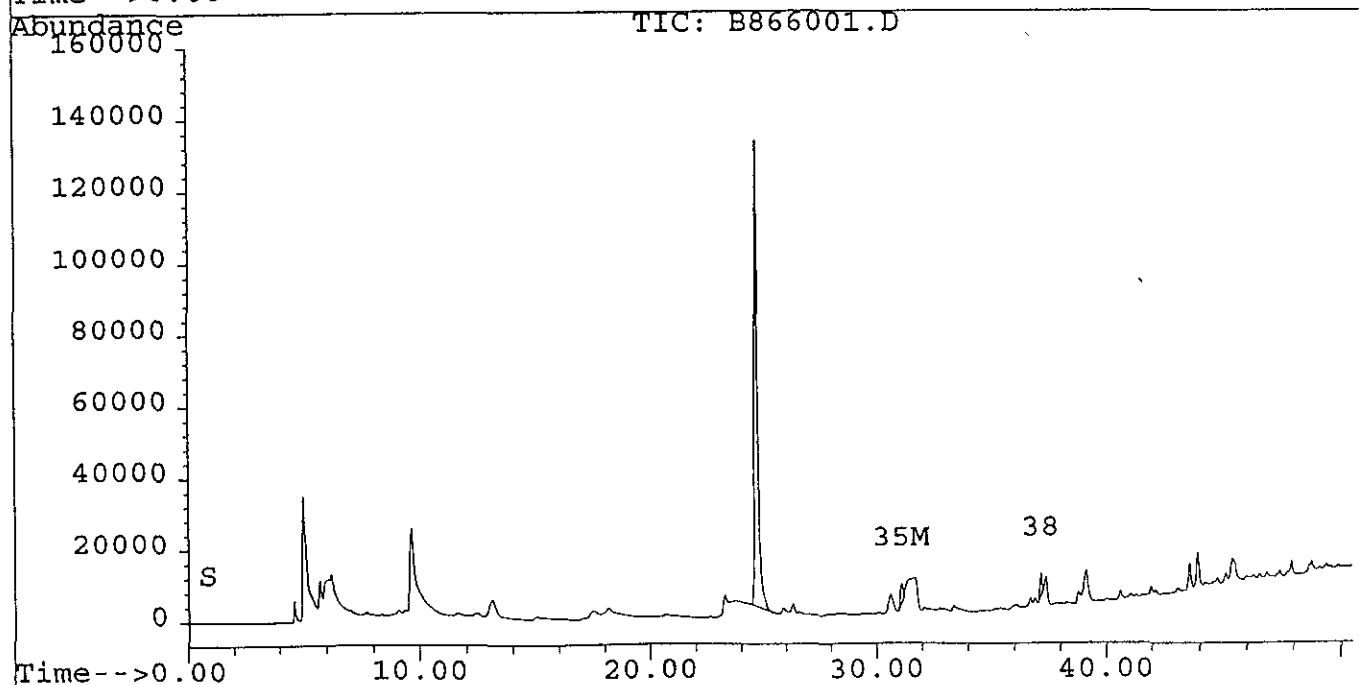
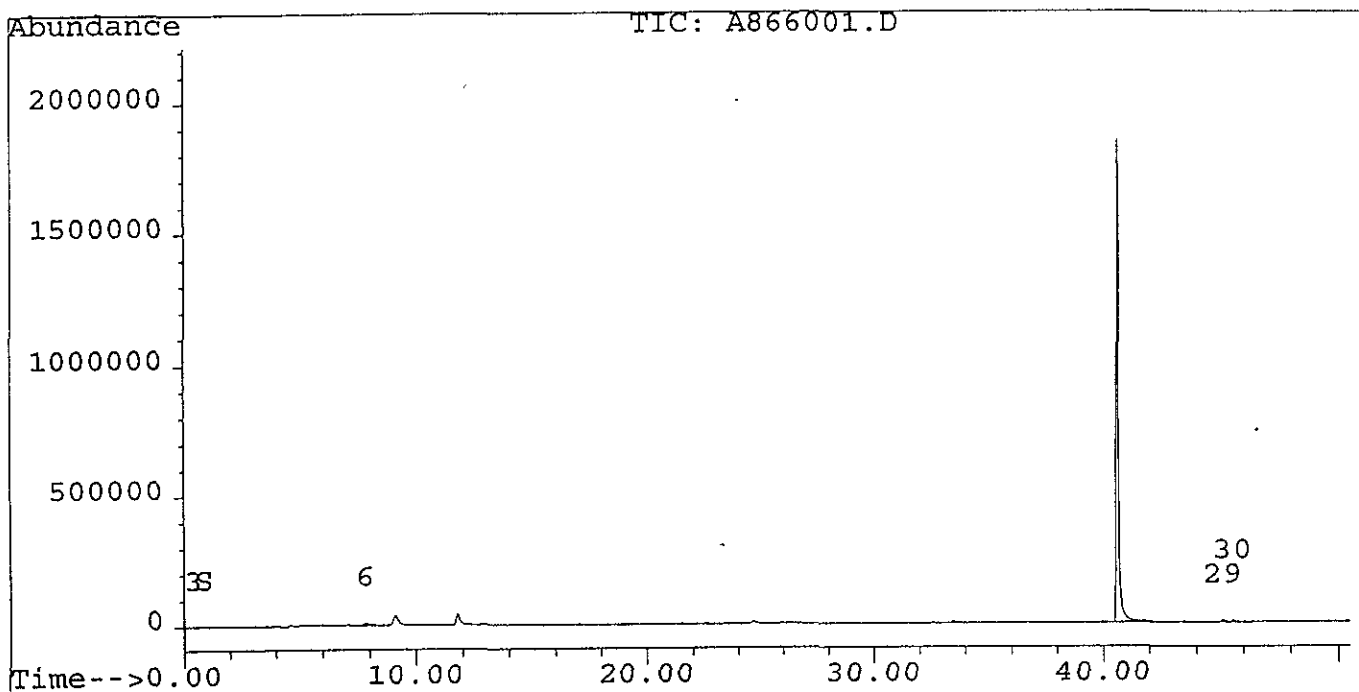
Compound	R.T.	Response	Conc Units
33) MA Benzene	0.00	0	N.D. ug/L
35) M TOLUENE	31.07	391150	0.30 ug/L m<RL
36) Cl.BENZENE #2	0.00	0	N.D. ug/L
37) Et.BENZENE	0.00	0	N.D. ug/L
38) m,p-XYLENE	37.15	344794	0.25 ug/L<RL
39) o-XYLENE	0.00	0	N.D. ug/L
40) 1,3-DCB #2	0.00	0	N.D. ug/L
41) 1,4-DCB #2	0.00	0	N.D. ug/L
42) 1,2-DCB #2	0.00	0	N.D. ug/L

Quantitation Report

Signal #1 : C:\HPCHEM\7\DATA\122794\A866001.D Vial: 1  
Signal #2 : C:\HPCHEM\7\DATA\122794\A866001.D\B866001.D  
Acq On : 27 Dec 94 08:27 AM Operator: LTG  
Sample : BLANK Inst : HP3  
Misc : A/B8582 Multiplr: 1.00  
Quant Time: Dec 27 9:26 1994

Method : C:\HPCHEM\7\METHODS\DVOA.M  
Title : 8010/8020  
Last Update : Sat Dec 17 10:39:36 1994  
Response via : Multiple Level Calibration

Volume Inj. :  
Signal #1 Phase : 105m VOCOL Signal #2 Phase: 105m VOCOL  
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm



Quantitation Report

Signal #1 : C:\HPCHEM\7\DATA\122794\A866002.D Vial: 2  
 Signal #2 : C:\HPCHEM\7\DATA\122794\A866002.D\B866002.D  
 Acq On : 27 Dec 94 09:30 AM Operator: LTG  
 Sample : W0843 DAILY STD Inst : HP3  
 Misc : A/B8582 Multiplr: 1.00  
 Quant Time: Dec 27 10:21 1994

Method : C:\HPCHEM\7\METHODS\DVOA.M  
 Title : 8010/8020  
 Last Update : Sat Dec 17 10:39:36 1994  
 Response via : Multiple Level Calibration

*SEE #5*  
*LAW*

Volume Inj. :  
 Signal #1 Phase : 105m VOCOL Signal #2 Phase: 105m VOCOL  
 Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

*12/26/94*

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
27) S 1,4-DCBUTANE	40.63	138284015	26.54 ug/L
		Recovery =	88.47%
34) S 1,4-DFB	24.69	11702660	26.24 ug/L
		Recovery =	87.47%

Target Compounds			
1) FREON 12	5.09	30827247	7.08 ug/L
2) Cl.METHANE	5.67	11147706	7.30 ug/L
3) VC	5.88	44194731	8.24 ug/L
4) Br.METHANE	7.00	13190733	12.96 ug/L
5) Cl. ETHANE	7.20	52329707	10.36 ug/L
6) FREON 11	7.85	93179395	11.23 ug/L
7) M 1,1-DCE	9.80	83946643	10.43 ug/L
8) DCM	11.82	119727542	8.08 ug/L
9) t-1,2-DCE	12.99	91819865	10.86 ug/L
10) 1,1-DCA	15.39	118949503	14.44 ug/L
11) c-1,2-DCE	18.70	1297104	0.12 ug/L
12) CHCl3	19.46	214272798	16.96 ug/L
13) 1,1,1-TCA	21.26	187516463	14.69 ug/L
14) CCl4	22.34	201882501	14.05 ug/L
15) 1,2-DCA	23.40	157941953	14.58 ug/L
16) M TCE	25.89	174735440	14.87 ug/L
17) 1,2-DCP	26.76	156785753	15.39 ug/L
18) CHBrCl2	27.75	159936662	15.98 ug/L
19) 2-CEVE	29.23	15670455	14.20 ug/L
20) c-1,3-DCP	30.01	131968635	15.26 ug/L
21) t-1,3-DCP	32.03	117129797	15.75 ug/L
22) 1,1,2-TCA	32.58	171987805	16.25 ug/L
23) PCE	33.49	167138424	13.42 ug/L
24) CHBr2Cl	34.45	114941602	16.23 ug/L
25) M Cl.BENZENE	36.68	72824081	15.52 ug/L
26) CHBr3	40.25	70099723	16.81 ug/L
28) 1,1,2,2-TCA	40.91	152564539	18.46 ug/L
29) 1,3-DCB	45.10	104236464	16.41 ug/L
30) 1,4-DCB	45.53	117670320	17.33 ug/L
31) 1,2-DCB	46.88	114847469	16.73 ug/L

Quantitation Report

Signal #1 : C:\HPCHEM\7\DATA\122794\A866002.D Vial: 2  
 Signal #2 : C:\HPCHEM\7\DATA\122794\A866002.D\B866002.D  
 Acq On : 27 Dec 94 09:30 AM Operator: LTG  
 Sample : W0843 DAILY STD Inst : HP3  
 Misc : A/B8582 Multiplr: 1.00  
 Quant Time: Dec 27 10:21 1994

Method : C:\HPCHEM\7\METHODS\DVOA.M  
 Title : 8010/8020  
 Last Update : Sat Dec 17 10:39:36 1994  
 Response via : Multiple Level Calibration

Volume Inj. :  
 Signal #1 Phase : 105m VOCOL Signal #2 Phase: 105m VOCOL  
 Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

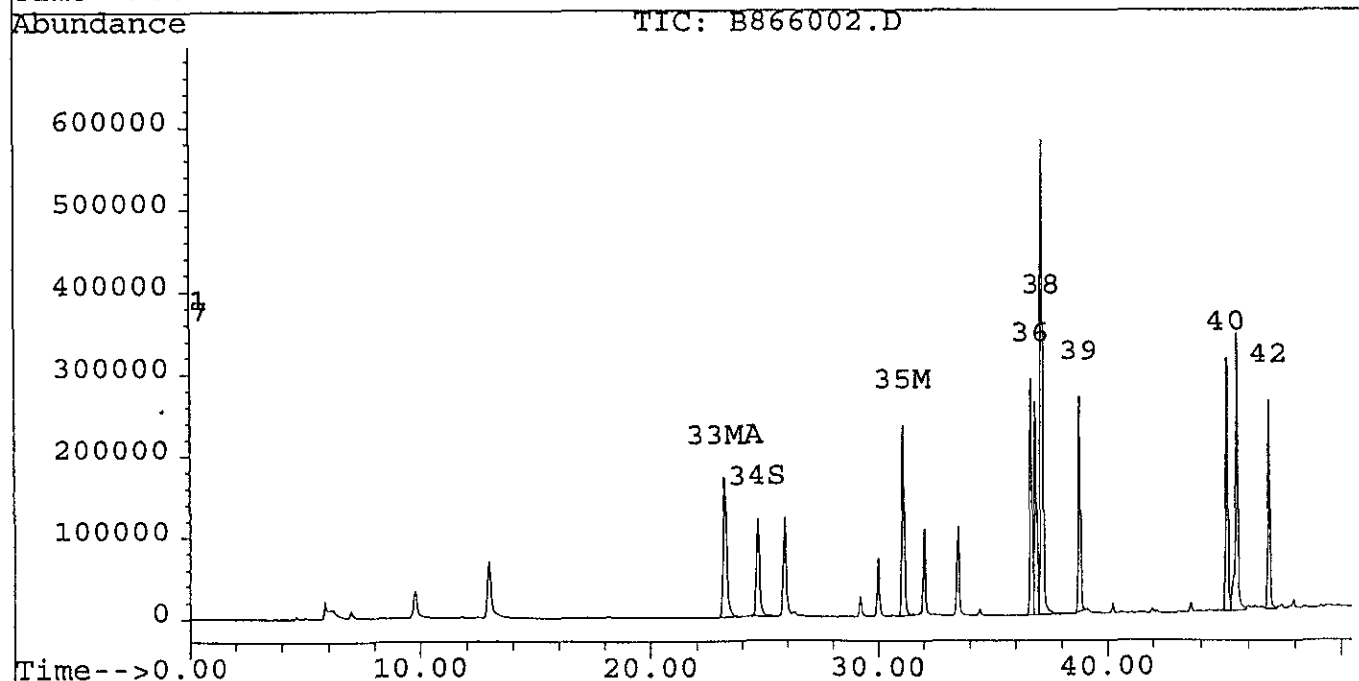
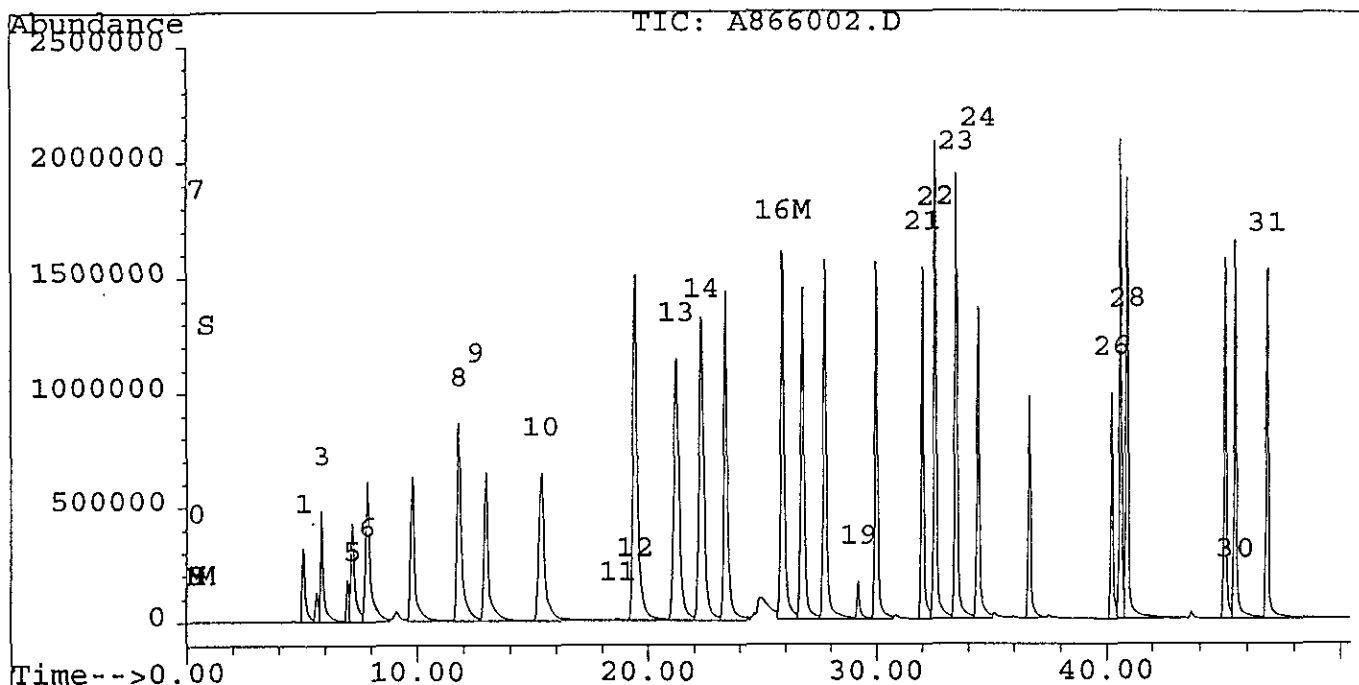
Compound	R.T.	Response	Conc Units
33) MA Benzene	23.25	19167000	14.18 ug/L
35) M TOLUENE	31.07	18236688	14.09 ug/L
36) Cl.BENZENE #2	36.67	18892421	16.00 ug/L
37) Et.BENZENE	36.87	17741819	16.53 ug/L
38) m,p-XYLENE	37.14	41526733	29.77 ug/L
39) o-XYLENE	38.76	17059316	15.12 ug/L
40) 1,3-DCB #2	45.09	19045054	17.27 ug/L
41) 1,4-DCB #2	45.51	24413091	22.70 ug/L
42) 1,2-DCB #2	46.86	15454792	17.74 ug/L

Quantitation Report

Signal #1 : C:\HPCHEM\7\DATA\122794\A866002.D Vial: 2  
Signal #2 : C:\HPCHEM\7\DATA\122794\A866002.D\B866002.D  
Acq On : 27 Dec 94 09:30 AM Operator: LTG  
Sample : W0843 DAILY STD Inst : HP3  
Misc : A/B8582 Multiplr: 1.00  
Quant Time: Dec 27 10:21 1994

Method : C:\HPCHEM\7\METHODS\DVOA.M  
Title : 8010/8020  
Last Update : Sat Dec 17 10:39:36 1994  
Response via : Multiple Level Calibration

Volume Inj. :  
Signal #1 Phase : 105m VOCOL Signal #2 Phase: 105m VOCOL  
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm



Quantitation Report

Signal #1 : C:\HPCHEM\7\DATA\122794\A866003.D Vial: 3  
 Signal #2 : C:\HPCHEM\7\DATA\122794\A866003.D\B866003.D  
 Acq On : 27 Dec 94 10:33 AM Operator: LTG  
 Sample : W0843 Inst : HP3  
 Misc : A/B8582 Multiplr: 1.00  
 Quant Time: Dec 27 11:25 1994

Method : C:\HPCHEM\7\METHODS\DVOA.M  
 Title : 8010/8020  
 Last Update : Sat Dec 17 10:39:36 1994  
 Response via : Multiple Level Calibration

*DID NOT PURGE WBL*

Volume Inj. :  
 Signal #1 Phase : 105m VOCOL Signal #2 Phase: 105m VOCOL  
 Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm *12/28/94*

Compound	R.T.	Response	Conc Units
<b>System Monitoring Compounds</b>			
27) S 1,4-DCBUTANE	40.64	121188699	23.26 ug/L
		Recovery =	77.53%
34) S 1,4-DFB	24.70	11637187	26.09 ug/L
		Recovery =	86.97%
<b>Target Compounds</b>			
1) FREON 12	5.09	60039943	17.98 ug/L
2) Cl.METHANE	5.65	30219411	19.80 ug/L
3) VC	5.88	93084035	17.36 ug/L
4) Br.METHANE	7.00	30640446	30.11 ug/L
5) Cl. ETHANE	7.20	92774702	18.37 ug/L
6) FREON 11	7.85	141053143	17.00 ug/L
7) M 1,1-DCE	9.80	122334457	15.20 ug/L
8) DCM	11.82	155934694	12.78 ug/L
9) t-1,2-DCE	13.00	143582105	16.98 ug/L
10) 1,1-DCA	15.39	144895995	17.60 ug/L
11) c-1,2-DCE	18.71	1884755	0.18 ug/L
12) CHCl3	19.47	236135926	18.93 ug/L
13) 1,1,1-TCA	21.26	223897705	17.55 ug/L
14) CCl4	22.34	252933246	17.61 ug/L
15) 1,2-DCA	23.40	171166286	15.80 ug/L
16) M TCE	25.90	219394653	18.67 ug/L
17) 1,2-DCP	26.77	171013912	16.79 ug/L
18) CHBrCl2	27.76	168595619	16.85 ug/L
19) 2-CEVE	29.24	11936446	11.04 ug/L
20) c-1,3-DCP	30.02	145066915	16.78 ug/L
21) t-1,3-DCP	32.04	122058425	16.41 ug/L
22) 1,1,2-TCA	32.59	162833921	15.38 ug/L
23) PCE	33.50	216854270	17.42 ug/L
24) CHBr2Cl	34.46	111303110	15.72 ug/L
25) M Cl.BENZENE	36.69	82189288	17.52 ug/L
26) CHBr3	40.26	60977499	14.62 ug/L
28) 1,1,2,2-TCA	40.92	128783931	14.78 ug/L
29) 1,3-DCB	45.11	106118984	16.71 ug/L
30) 1,4-DCB	45.53	119180497	17.55 ug/L
31) 1,2-DCB	46.88	111945630	16.31 ug/L



Quantitation Report

Signal #1 : C:\HPCHEM\7\DATA\122794\A866003.D Vial: 3  
 Signal #2 : C:\HPCHEM\7\DATA\122794\A866003.D\B866003.D  
 Acq On : 27 Dec 94 10:33 AM Operator: LTG  
 Sample : Inst : HP3  
 Misc : A/B8582 Multiplr: 1.00  
 Quant Time: Dec 27 11:25 1994

Method : C:\HPCHEM\7\METHODS\DVOA.M  
 Title : 8010/8020  
 Last Update : Sat Dec 17 10:39:36 1994  
 Response via : Multiple Level Calibration

Volume Inj. :  
 Signal #1 Phase : 105m VOCOL Signal #2 Phase: 105m VOCOL  
 Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

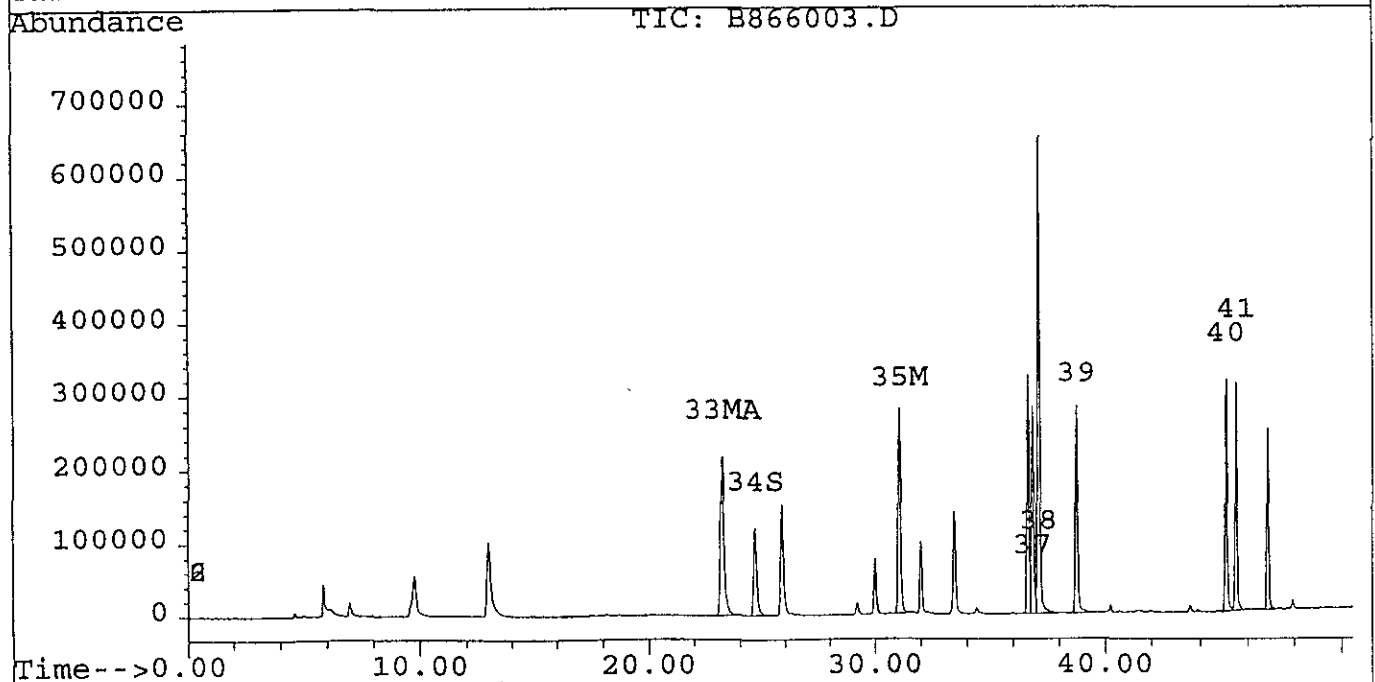
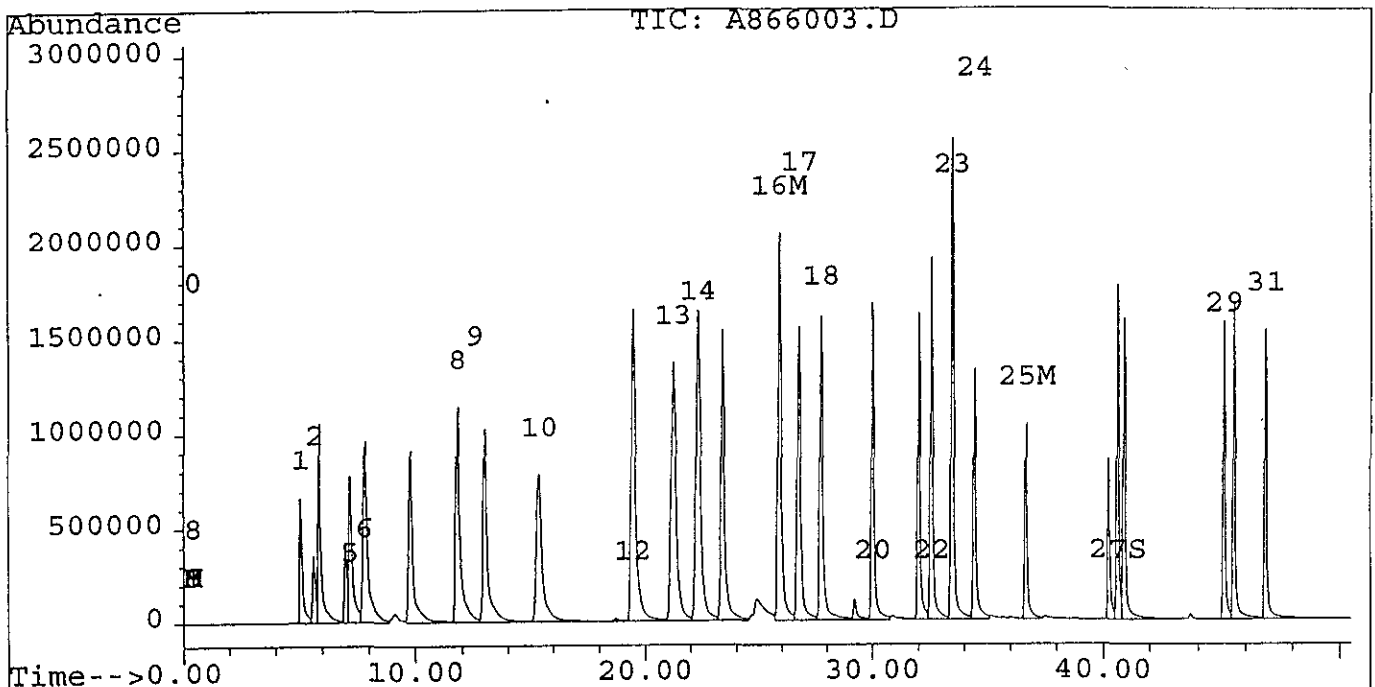
Compound	R.T.	Response	Conc Units
33) MA Benzene	23.25	24270271	17.95 ug/L
35) M TOLUENE	31.08	21856245	16.89 ug/L
36) Cl.BENZENE #2	36.68	20526725	17.38 ug/L
37) Et.BENZENE	36.88	19850142	18.64 ug/L
38) m,p-XYLENE	37.15	46620369	33.43 ug/L
39) o-XYLENE	38.77	19579775	17.35 ug/L
40) 1,3-DCB #2	45.10	19003983	17.23 ug/L
41) 1,4-DCB #2	45.52	19002152	17.67 ug/L
42) 1,2-DCB #2	46.87	14510863	16.66 ug/L

Quantitation Report

Signal #1 : C:\HPCHEM\7\DATA\122794\A866003.D Vial: 3  
Signal #2 : C:\HPCHEM\7\DATA\122794\A866003.D\B866003.D  
Acq On : 27 Dec 94 10:33 AM Operator: LTG  
Sample : Inst : HP3  
Misc : A/B8582 Multiplr: 1.00  
Quant Time: Dec 27 11:25 1994

Method : C:\HPCHEM\7\METHODS\DVOA.M  
Title : 8010/8020  
Last Update : Sat Dec 17 10:39:36 1994  
Response via : Multiple Level Calibration

Volume Inj. :  
Signal #1 Phase : 105m VOCOL Signal #2 Phase: 105m VOCOL  
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm



Quantitation Report

Signal #1 : C:\HPCHEM\7\DATA\122794\A866004.D Vial: 4  
 Signal #2 : C:\HPCHEM\7\DATA\122794\A866004.D\B866004.D  
 Acq On : 27 Dec 94 11:37 AM Operator: LTG  
 Sample : W0843 Inst : HP3  
 Misc : A/B8582 Multiplr: 1.00  
 Quant Time: Dec 27 12:42 1994

Method : C:\HPCHEM\7\METHODS\DVOA.M  
 Title : 8010/8020  
 Last Update : Sat Dec 17 10:39:36 1994  
 Response via : Multiple Level Calibration

*DCM FAILED*

Volume Inj. :  
 Signal #1 Phase : 105m VOCOL Signal #2 Phase: 105m VOCOL  
 Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

*12/28/94*

Compound	R.T.	Response	Conc Units
<b>System Monitoring Compounds</b>			
27) S 1,4-DCBUTANE	40.64	152782965	29.32 ug/L
		Recovery =	97.73%
34) S 1,4-DFB	24.70	11862834	26.60 ug/L
		Recovery =	88.67%
<b>Target Compounds</b>			
1) FREON 12	5.10	55350867	16.23 ug/L
2) Cl.METHANE	5.68	29909533	19.59 ug/L
3) VC	5.89	95853252	17.88 ug/L
4) Br.METHANE	7.01	27690992	27.21 ug/L
5) Cl. ETHANE	7.21	97480809	19.30 ug/L
6) FREON 11	7.86	141177007	17.02 ug/L
7) M 1,1-DCE	9.82	138718345	17.24 ug/L
8) DCM	11.82	168397699	14.40 ug/L m
9) t-1,2-DCE	13.01	147475741	17.45 ug/L
10) 1,1-DCA	15.40	149865411	18.20 ug/L
11) c-1,2-DCE	18.71	2225670	0.21 ug/L
12) CHCl3	19.48	248244833	20.01 ug/L
13) 1,1,1-TCA	21.27	229294971	17.97 ug/L
14) CCl4	22.35	259311088	18.05 ug/L
15) 1,2-DCA	23.41	197312278	18.21 ug/L
16) M TCE	25.90	229765507	19.55 ug/L
17) 1,2-DCP	26.77	185142117	18.17 ug/L
18) CHBrCl2	27.76	182887566	18.28 ug/L
19) 2-CEVE	29.24	13981363	12.77 ug/L m
20) c-1,3-DCP	30.02	156363203	18.08 ug/L
21) t-1,3-DCP	32.04	138367023	18.60 ug/L
22) 1,1,2-TCA	32.59	193842666	18.31 ug/L
23) PCE	33.50	224243116	18.01 ug/L
24) CHBr2Cl	34.46	129565520	18.30 ug/L
25) M Cl.BENZENE	36.70	87775984	18.71 ug/L
26) CHBr3	40.26	79189759	18.99 ug/L
28) 1,1,2,2-TCA	40.92	169247096	21.04 ug/L
29) 1,3-DCB	45.11	114333459	18.00 ug/L
30) 1,4-DCB	45.53	129245879	19.03 ug/L
31) 1,2-DCB	46.88	125826598	18.33 ug/L

Quantitation Report

Signal #1 : C:\HPCHEM\7\DATA\122794\A866004.D Vial: 4  
 Signal #2 : C:\HPCHEM\7\DATA\122794\A866004.D\B866004.D  
 Acq On : 27 Dec 94 11:37 AM Operator: LTG  
 Sample : Inst : HP3  
 Misc : A/B8582 Multiplr: 1.00  
 Quant Time: Dec 27 12:42 1994

Method : C:\HPCHEM\7\METHODS\DVOA.M  
 Title : 8010/8020  
 Last Update : Sat Dec 17 10:39:36 1994  
 Response via : Multiple Level Calibration

Volume Inj. :  
 Signal #1 Phase : 105m VOCOL Signal #2 Phase: 105m VOCOL  
 Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

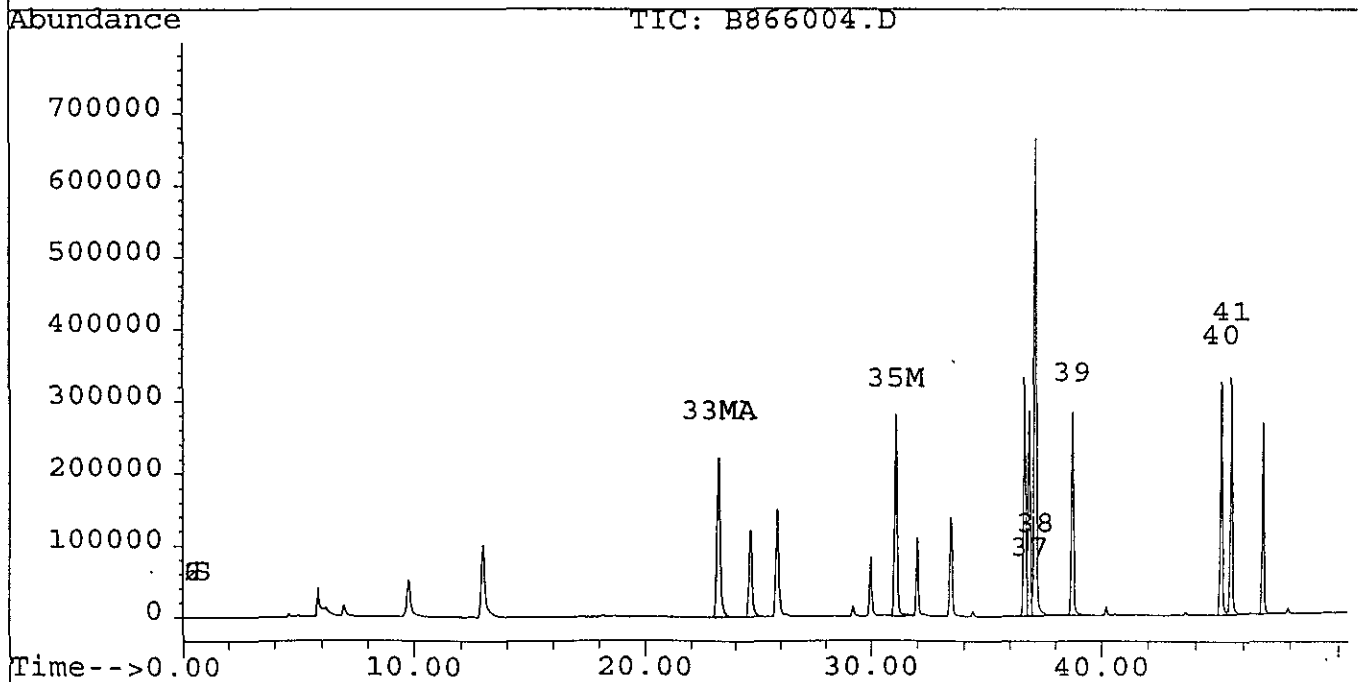
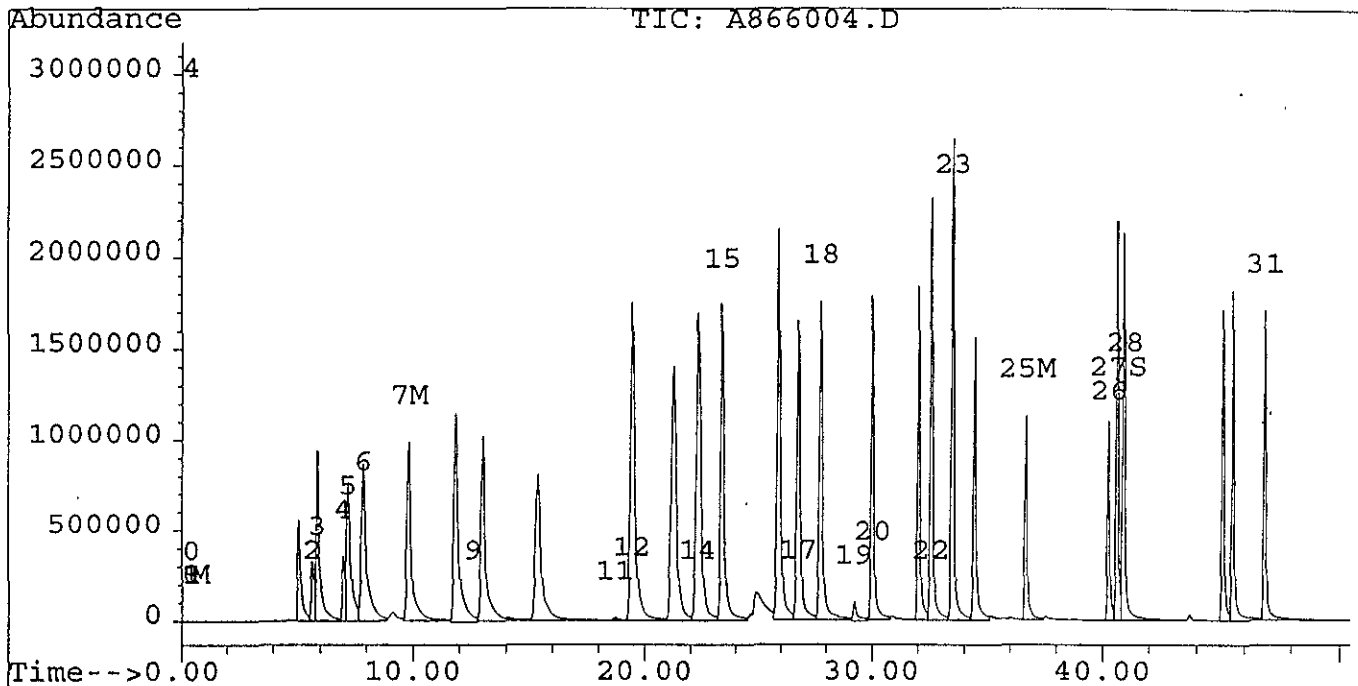
Compound	R.T.	Response	Conc	Units
33) MA Benzene	23.26	24764152	18.32	ug/L
35) M TOLUENE	31.09	22858683	17.66	ug/L
36) Cl.BENZENE #2	36.68	21013146	17.80	ug/L
37) Et.BENZENE	36.88	19981320	18.77	ug/L
38) m,p-XYLENE	37.15	46702511	33.49	ug/L
39) o-XYLENE	38.77	19828010	17.57	ug/L
40) 1,3-DCB #2	45.09	19965548	18.10	ug/L
41) 1,4-DCB #2	45.52	20587288	19.14	ug/L
42) 1,2-DCB #2	46.87	15785483	18.12	ug/L

Quantitation Report

Signal #1 : C:\HPCHEM\7\DATA\122794\A866004.D Vial: 4  
Signal #2 : C:\HPCHEM\7\DATA\122794\A866004.D\B866004.D  
Acq On : 27 Dec 94 11:37 AM Operator: LTG  
Sample : Inst : HP3  
Misc : A/B8582 Multiplr: 1.00  
Quant Time: Dec 27 12:42 1994

Method : C:\HPCHEM\7\METHODS\DVOA.M  
Title : 8010/8020  
Last Update : Sat Dec 17 10:39:36 1994  
Response via : Multiple Level Calibration

Volume Inj. :  
Signal #1 Phase : 105m VOCOL Signal #2 Phase: 105m VOCOL  
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm



Quantitation Report

Signal #1 : C:\HPCHEM\7\DATA\122794\A866005.D Vial: 5  
 Signal #2 : C:\HPCHEM\7\DATA\122794\A866005.D\B866005.D  
 Acq On : 27 Dec 94 12:59 PM Operator: LTG  
 Sample : *W0843* Inst : HP3  
 Misc : A/B8582 Multiplr: 1.00  
 Quant Time: Dec 27 13:58 1994

Method : C:\HPCHEM\7\METHODS\DVOA.M  
 Title : 8010/8020  
 Last Update : Sat Dec 17 10:39:36 1994  
 Response via : Multiple Level Calibration

Volume Inj. :  
 Signal #1 Phase : 105m VOCOL Signal #2 Phase: 105m VOCOL  
 Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	R.T.	Response	Conc Units
-----			
System Monitoring Compounds			
27) S 1,4-DCBUTANE	40.63	144100579	27.66 ug/L
		Recovery =	92.20%
34) S 1,4-DFB	24.69	11822595	26.51 ug/L
		Recovery =	88.37%
Target Compounds			
1) FREON 12 - <i>DICHLORO DIFLUORO</i>	5.09	60870824	18.29 ug/L
2) Cl.METHANE	5.67	32545010	21.32 ug/L
3) VC	5.88	97526741	18.19 ug/L
4) Br.METHANE	6.99	24872320	24.44 ug/L m
5) Cl. ETHANE	7.19	97678618	19.34 ug/L
6) FREON 11 <i>TRICHLORO FLUORO</i>	7.84	145667393	17.56 ug/L
7) M 1,1-DCE	9.80	142216020	17.67 ug/L
8) DCM	11.80	177833531	15.63 ug/L m ~
9) t-1,2-DCE	12.99	152308096	18.02 ug/L
10) 1,1-DCA	15.38	153287075	18.61 ug/L
11) c-1,2-DCE	18.69	2414049	0.23 ug/L
12) CHCl3	19.46	253065137	20.45 ug/L
13) 1,1,1-TCA	21.25	234069427	18.34 ug/L
14) CCl4	22.34	266513065	18.55 ug/L
15) 1,2-DCA	23.40	196742825	18.16 ug/L
16) M TCE	25.90	233030497	19.83 ug/L
17) 1,2-DCP	26.77	186260325	18.28 ug/L
18) CHBrCl2	27.76	183759381	18.36 ug/L
19) 2-CEVE	29.23	13253894	12.15 ug/L m
20) c-1,3-DCP	30.02	159215799	18.41 ug/L
21) t-1,3-DCP	32.04	138391867	18.60 ug/L
22) 1,1,2-TCA	32.59	187985758	17.76 ug/L
23) PCE	33.50	227904692	18.31 ug/L
24) CHBr2Cl	34.46	124946839	17.65 ug/L
25) M Cl.BENZENE	36.69	86000646	18.33 ug/L
26) CHBr3	40.25	76048973	18.24 ug/L
28) 1,1,2,2-TCA	40.92	159545034	19.54 ug/L
29) 1,3-DCB	45.10	114974121	18.10 ug/L
30) 1,4-DCB	45.53	129874910	19.12 ug/L
31) 1,2-DCB	46.88	127238872	18.54 ug/L

(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\7\DATA\122794\A866005.D Vial: 5  
 Signal #2 : C:\HPCHEM\7\DATA\122794\A866005.D\B866005.D ;  
 Acq On : 27 Dec 94 12:59 PM Operator: LTG  
 Sample : Inst : HP3  
 Misc : A/B8582 Multiplr: 1.00  
 Quant Time: Dec 27 13:58 1994

Method : C:\HPCHEM\7\METHODS\DVOA.M  
 Title : 8010/8020  
 Last Update : Sat Dec 17 10:39:36 1994  
 Response via : Multiple Level Calibration

Volume Inj. :  
 Signal #1 Phase : 105m VOCOL Signal #2 Phase: 105m VOCOL  
 Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

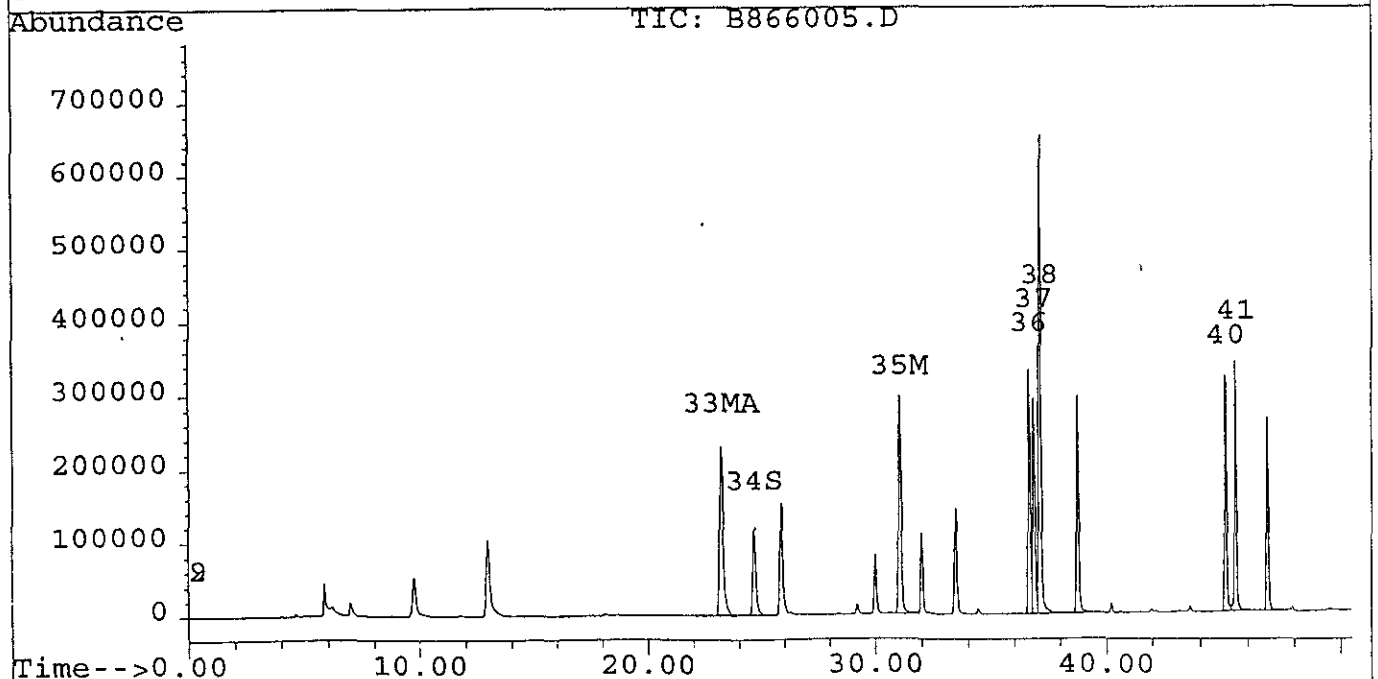
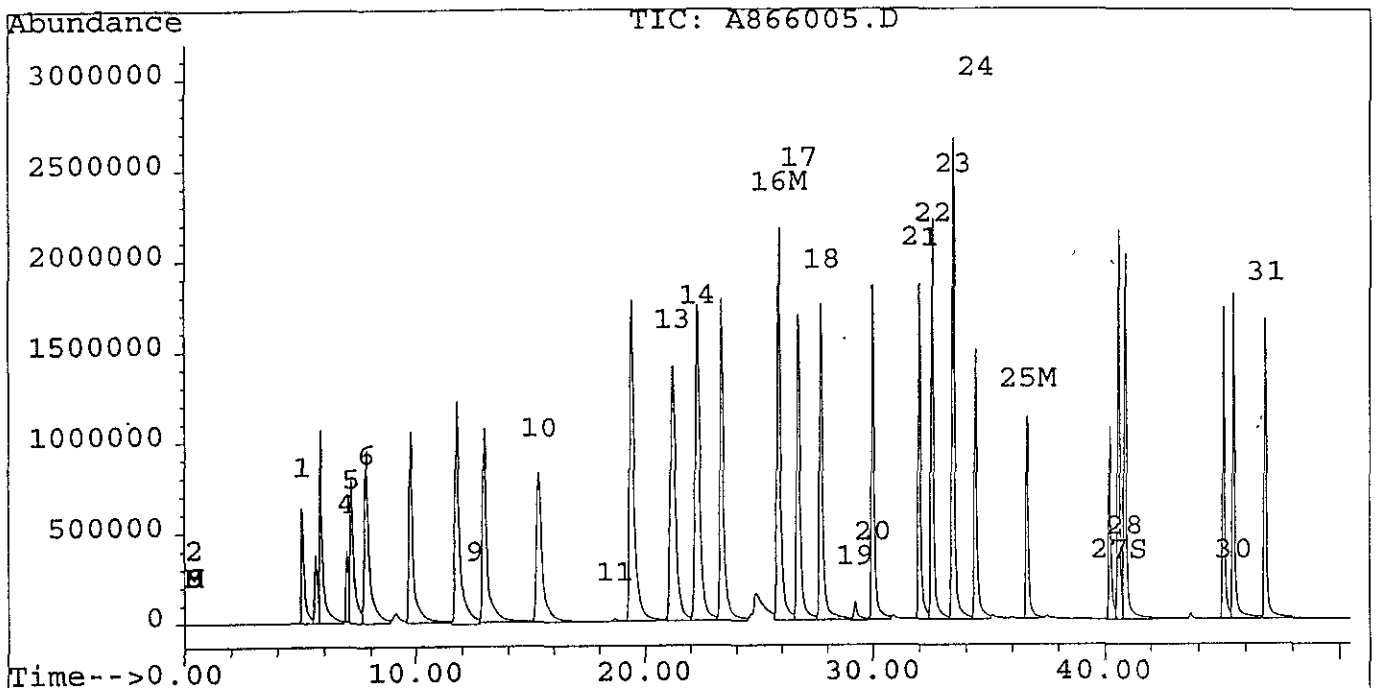
Compound	R.T.	Response	Conc Units
33) MA Benzene	23.25	25684277	19.00 ug/L
35) M TOLUENE	31.08	23932375	18.49 ug/L
36) Cl.BENZENE #2	36.67	21055002	17.83 ug/L
37) Et.BENZENE	36.87	20216634	19.01 ug/L
38) m,p-XYLENE	37.14	48000583	34.42 ug/L
39) o-XYLENE	38.76	19986413	17.71 ug/L
40) 1,3-DCB #2	45.09	19780058	17.93 ug/L
41) 1,4-DCB #2	45.51	20441121	19.01 ug/L
42) 1,2-DCB #2	46.86	15643255	17.96 ug/L

Quantitation Report

Signal #1 : C:\HPCHEM\7\DATA\122794\A866005.D Vial: 5  
Signal #2 : C:\HPCHEM\7\DATA\122794\A866005.D\B866005.D  
Acq On : 27 Dec 94 12:59 PM Operator: LTG  
Sample : Inst : HP3  
Misc : A/B8582 Multiplr: 1.00  
Quant Time: Dec 27 13:58 1994

Method : C:\HPCHEM\7\METHODS\DVOA.M  
Title : 8010/8020  
Last Update : Sat Dec 17 10:39:36 1994  
Response via : Multiple Level Calibration

Volume Inj. :  
Signal #1 Phase : 105m VOCOL Signal #2 Phase: 105m VOCOL  
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm





Quantitation Report

Signal #1 : C:\HPCHEM\7\DATA\122794\A866006.D Vial: 6  
 Signal #2 : C:\HPCHEM\7\DATA\122794\A866006.D\B866006.D  
 Acq On : 27 Dec 94 02:24 PM Operator: LTG  
 Sample : *6246-232060* Inst : HP3  
 Misc : A/B8582 Multiplr: 1.00  
 Quant Time: Dec 28 9:48 1994

Method : C:\HPCHEM\7\METHODS\DVOA.M  
 Title : 8010/8020  
 Last Update : Sat Dec 17 10:39:36 1994  
 Response via : Multiple Level Calibration

*601/602*

Volume Inj. :  
 Signal #1 Phase : 105m VOCOL Signal #2 Phase: 105m VOCOL  
 Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

*MS  
12/28/94*

Compound	R.T.	Response	Conc Units
-----			
System Monitoring Compounds			
27) S 1,4-DCBUTANE	40.61	137013453	26.30 ug/L
		Recovery =	87.67%
34) S 1,4-DFB	24.69	12620639	28.30 ug/L
		Recovery =	94.33%
Target Compounds			
1) FREON 12	5.11	4466010	N.D. ug/L
2) Cl.METHANE	0.00	0	N.D. ug/L
3) VC	0.00	0	N.D. ug/L
4) Br.METHANE	0.00	0	N.D. ug/L
5) Cl. ETHANE	0.00	0	N.D. ug/L
6) FREON 11	7.87	1885304	0.23 ug/L <i>&lt;RL</i>
7) M 1,1-DCE	0.00	0	N.D. ug/L
8) DCM	11.83	16438174	N.D. ug/L
9) t-1,2-DCE	0.00	0	N.D. ug/L
10) 1,1-DCA	0.00	0	N.D. ug/L
11) c-1,2-DCE	0.00	0	N.D. ug/L
12) CHCl3	0.00	0	N.D. ug/L
13) 1,1,1-TCA	0.00	0	N.D. ug/L
14) CCl4	0.00	0	N.D. ug/L
15) 1,2-DCA	0.00	0	N.D. ug/L
16) M TCE	0.00	0	N.D. ug/L
17) 1,2-DCP	0.00	0	N.D. ug/L
18) CHBrCl2	0.00	0	N.D. ug/L
19) 2-CEVE	0.00	0	N.D. ug/L
20) c-1,3-DCP	0.00	0	N.D. ug/L
21) t-1,3-DCP	0.00	0	N.D. ug/L
22) 1,1,2-TCA	0.00	0	N.D. ug/L
23) PCE	33.50	837604	0.07 ug/L <i>&lt;RL</i>
24) CHBr2Cl	0.00	0	N.D. ug/L
25) M Cl.BENZENE	0.00	0	N.D. ug/L
26) CHBr3	0.00	0	N.D. ug/L
28) 1,1,2,2-TCA	0.00	0	N.D. ug/L
29) 1,3-DCB	45.08	1550454	0.24 ug/L <i>&lt;RL</i>
30) 1,4-DCB	45.51	1531864	0.23 ug/L <i>&lt;RL</i>
31) 1,2-DCB	0.00	0	N.D. ug/L

*MS*

Quantitation Report

Signal #1 : C:\HPCHEM\7\DATA\122794\A866006.D Vial: 6  
 Signal #2 : C:\HPCHEM\7\DATA\122794\A866006.D\B866006.D  
 Acq On : 27 Dec 94 02:24 PM Operator: LTG  
 Sample : Inst : HP3  
 Misc : A/B8582 Multiplr: 1.00  
 Quant Time: Dec 28 9:48 1994

Method : C:\HPCHEM\7\METHODS\DVOA.M  
 Title : 8010/8020  
 Last Update : Sat Dec 17 10:39:36 1994  
 Response via : Multiple Level Calibration

Volume Inj. :  
 Signal #1 Phase : 105m VOCOL Signal #2 Phase: 105m VOCOL  
 Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

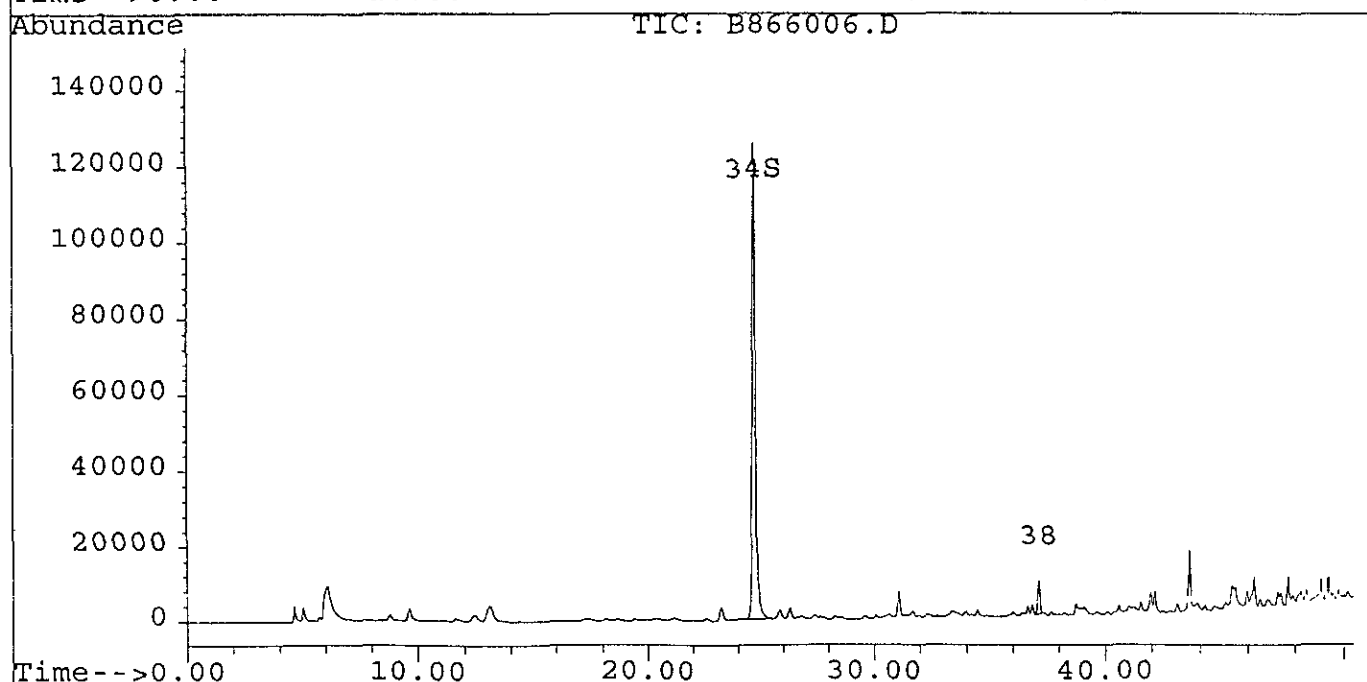
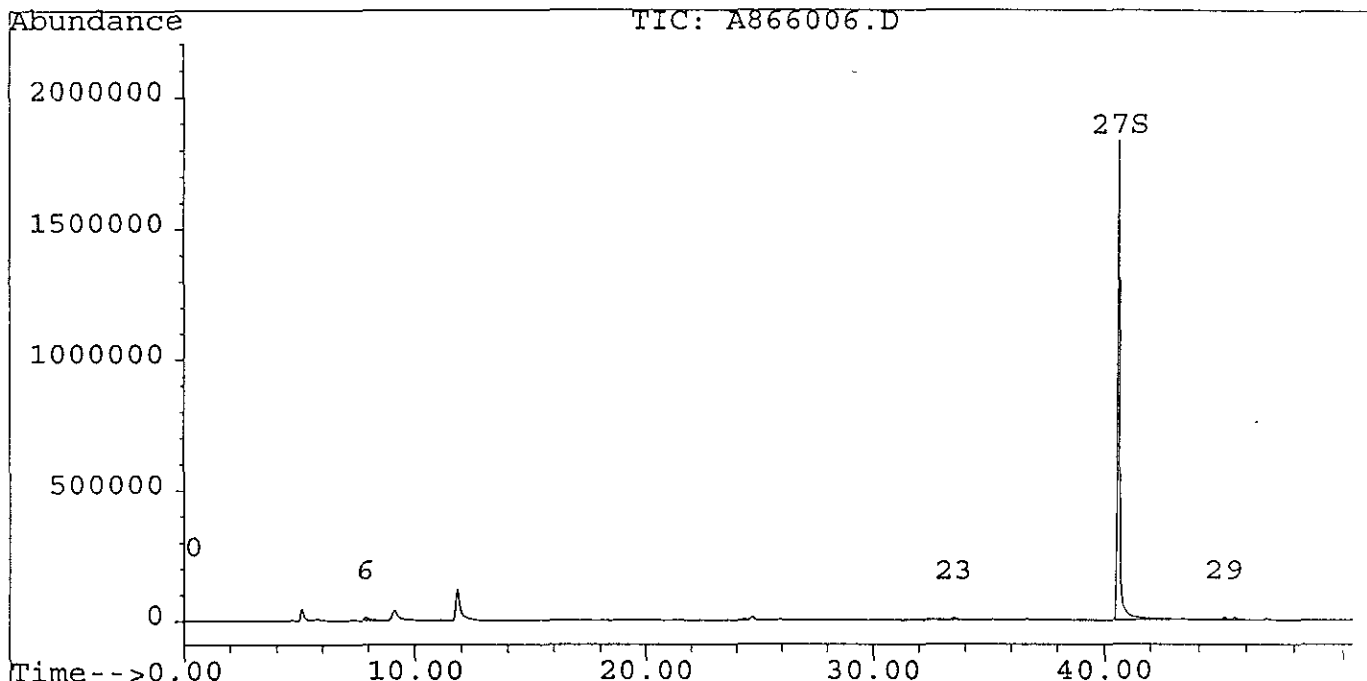
Compound	R.T.	Response	Conc Units
33) MA Benzene	0.00	0	N.D. ug/L
35) M TOLUENE	0.00	0	N.D. ug/L
36) Cl.BENZENE #2	0.00	0	N.D. ug/L
37) Et.BENZENE	0.00	0	N.D. ug/L
38) m,p-XYLENE	37.12 ✓	570083	0.41 ug/L m ✓
39) o-XYLENE	0.00	0	N.D. ug/L
40) 1,3-DCB #2	0.00	0	N.D. ug/L
41) 1,4-DCB #2	0.00	0	N.D. ug/L
42) 1,2-DCB #2	0.00	0	N.D. ug/L

Quantitation Report

Signal #1 : C:\HPCHEM\7\DATA\122794\A866006.D Vial: 6  
Signal #2 : C:\HPCHEM\7\DATA\122794\A866006.D\B866006.D  
Acq On : 27 Dec 94 02:24 PM Operator: LTG  
Sample : Inst : HP3  
Misc : A/B8582 Multiplr: 1.00  
Quant Time: Dec 28 9:48 1994

Method : C:\HPCHEM\7\METHODS\DVOA.M  
Title : 8010/8020  
Last Update : Sat Dec 17 10:39:36 1994  
Response via : Multiple Level Calibration

Volume Inj. :  
Signal #1 Phase : 105m VOCOL Signal #2 Phase: 105m VOCOL  
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm



Quantitation Report

Signal #1 : C:\HPCHEM\7\DATA\122794\A866007.D Vial: 7  
 Signal #2 : C:\HPCHEM\7\DATA\122794\A866007.D\B866007.D  
 Acq On : 27 Dec 94 03:24 PM Operator: LTG  
 Sample : 6246-23200 MS Inst : HP3  
 Misc : A/B8582 Multiplr: 1.00  
 Quant Time: Dec 27 16:16 1994

Method : C:\HPCHEM\7\METHODS\DVOA.M  
 Title : 8010/8020  
 Last Update : Sat Dec 17 10:39:36 1994  
 Response via : Multiple Level Calibration

Volume Inj. :  
 Signal #1 Phase : 105m VOCOL Signal #2 Phase: 105m VOCOL  
 Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm *12/28/94*

Compound	R.T.	Response	Conc Units
<b>System Monitoring Compounds</b>			
27) S 1,4-DCBUTANE	40.60	134295614	25.77 ug/L
		Recovery =	85.90%
34) S 1,4-DFB	24.65	11578418	25.96 ug/L
		Recovery =	86.53%
<b>Target Compounds</b>			
1) FREON 12	5.07	61230204	18.43 ug/L
2) Cl.METHANE	5.65	31001518	20.31 ug/L
3) VC	5.86	92849785	17.32 ug/L
4) Br.METHANE	6.98	29363149	28.86 ug/L
5) Cl. ETHANE	7.17	93114933	18.44 ug/L
6) FREON 11	7.82	137913228	16.62 ug/L
7) M 1,1-DCE	9.77	133743837	16.62 ug/L
8) DCM	11.78	165818212	14.07 ug/L
9) t-1,2-DCE	12.95	142672997	16.88 ug/L
10) 1,1-DCA	15.33	144306296	17.52 ug/L
11) c-1,2-DCE	18.65	3211353	0.31 ug/L
12) CHCl3	19.41	240847200	19.35 ug/L
13) 1,1,1-TCA	21.21	222927813	17.47 ug/L
14) CCl4	22.30	252824265	17.60 ug/L
15) 1,2-DCA	23.36	183449919	16.93 ug/L
16) M TCE	25.85	219344878	18.67 ug/L
17) 1,2-DCP	26.72	175930725	17.27 ug/L
18) CHBrCl2	27.72	172406822	17.23 ug/L
19) 2-CEVE	29.21	7491413	7.26 ug/L
20) c-1,3-DCP	29.98	149209661	17.26 ug/L
21) t-1,3-DCP	32.00	128018092	17.21 ug/L
22) 1,1,2-TCA	32.55	175772940	16.61 ug/L
23) PCE	33.46	216523680	17.39 ug/L
24) CHBr2Cl	34.42	117723531	16.63 ug/L
25) M Cl.BENZENE	36.66	82608477	17.61 ug/L
26) CHBr3	40.22	68751681	16.49 ug/L
28) 1,1,2,2-TCA	40.88	146388551	17.51 ug/L
29) 1,3-DCB	45.07	111852813	17.61 ug/L
30) 1,4-DCB	45.50	127226301	18.73 ug/L
31) 1,2-DCB	46.85	123476482	17.99 ug/L

(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\7\DATA\122794\A866007.D Vial: 7  
 Signal #2 : C:\HPCHEM\7\DATA\122794\A866007.D\B866007.D  
 Acq On : 27 Dec 94 03:24 PM Operator: LTG  
 Sample : Inst : HP3  
 Misc : A/B8582 Multiplr: 1.00  
 Quant Time: Dec 27 16:16 1994

Method : C:\HPCHEM\7\METHODS\DVOA.M  
 Title : 8010/8020  
 Last Update : Sat Dec 17 10:39:36 1994  
 Response via : Multiple Level Calibration

Volume Inj. :  
 Signal #1 Phase : 105m VOCOL Signal #2 Phase: 105m VOCOL  
 Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

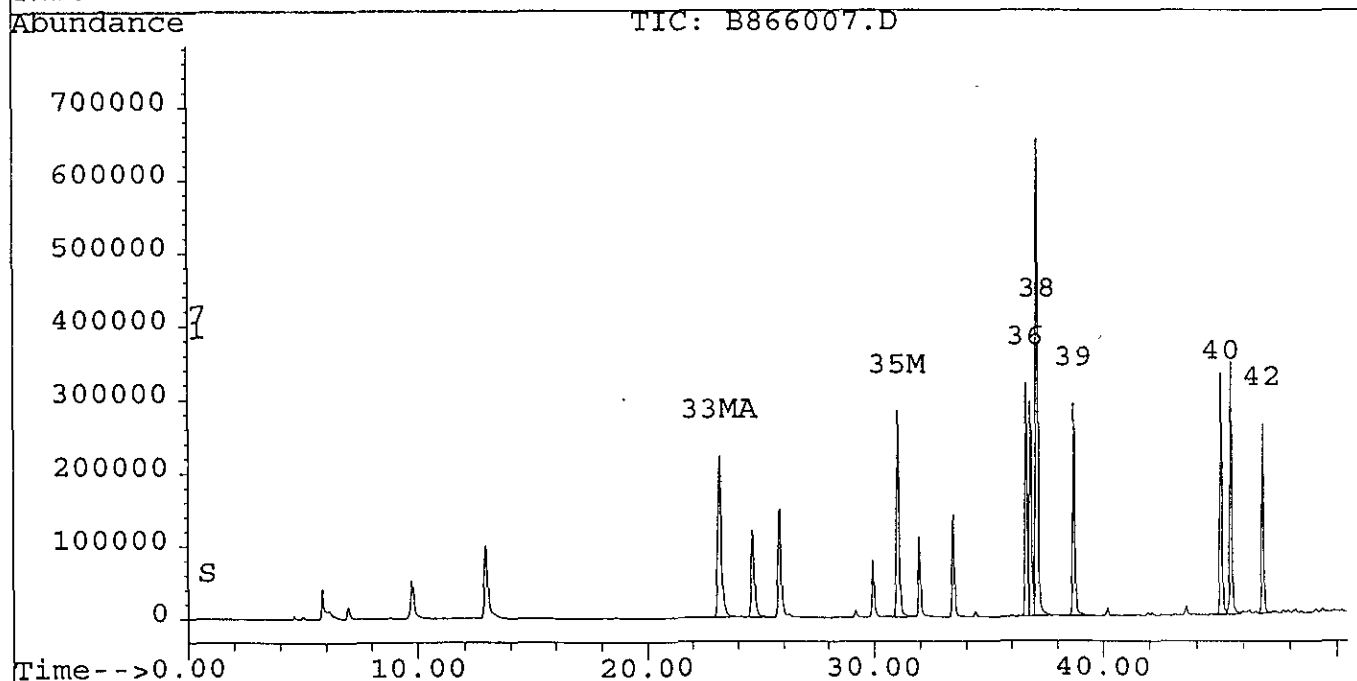
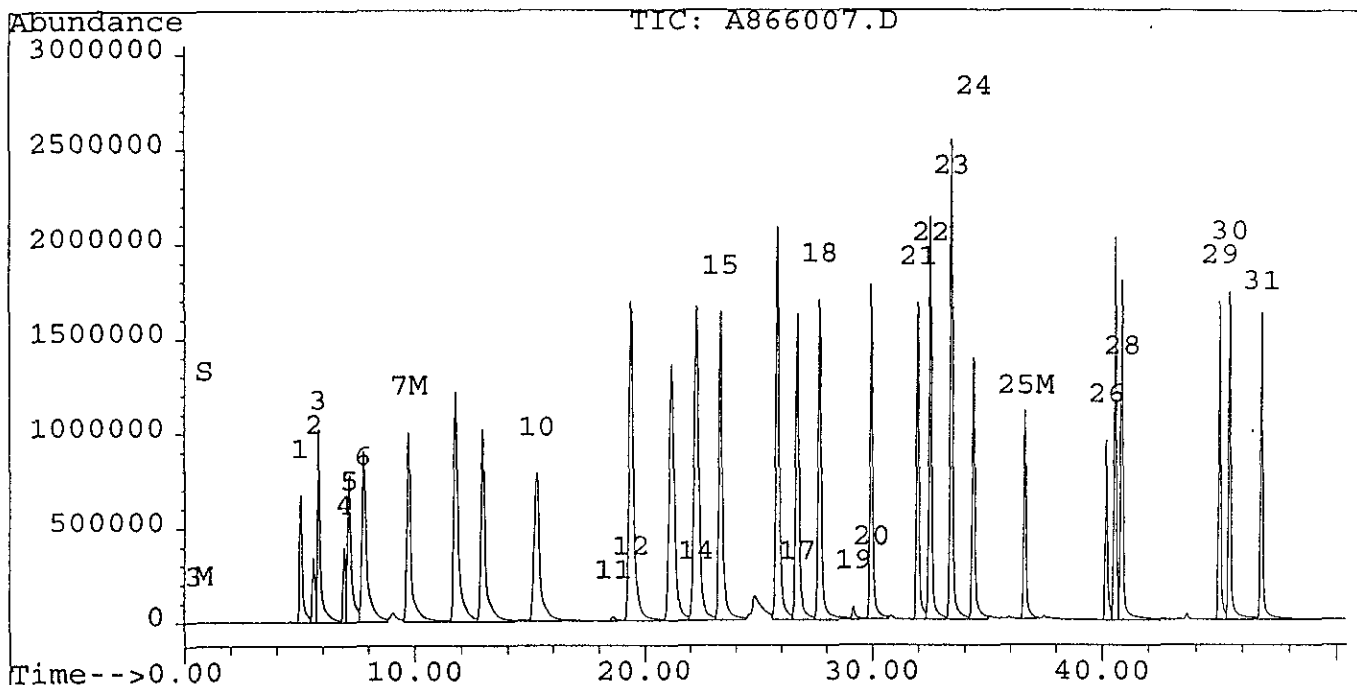
Compound	R.T.	Response	Conc Units
33) MA Benzene	23.21	24557978	18.16 ug/L
35) M TOLUENE	31.05	22597838	17.46 ug/L
36) Cl.BENZENE #2	36.64	20790968	17.61 ug/L
37) Et.BENZENE	36.84	19880208	18.67 ug/L
38) m,p-XYLENE	37.11	46408744	33.27 ug/L
39) o-XYLENE	38.73	19770483	17.52 ug/L
40) 1,3-DCB #2	45.06	19836687	17.98 ug/L
41) 1,4-DCB #2	45.48	20643045	19.20 ug/L
42) 1,2-DCB #2	46.83	15396368	17.67 ug/L

Quantitation Report

Signal #1 : C:\HPCHEM\7\DATA\122794\A866007.D Vial: 7  
Signal #2 : C:\HPCHEM\7\DATA\122794\A866007.D\B866007.D  
Acq On : 27 Dec 94 03:24 PM Operator: LTG  
Sample : Inst : HP3  
Misc : A/B8582 Multiplr: 1.00  
Quant Time: Dec 27 16:16 1994

Method : C:\HPCHEM\7\METHODS\DVOA.M  
Title : 8010/8020  
Last Update : Sat Dec 17 10:39:36 1994  
Response via : Multiple Level Calibration

Volume Inj. :  
Signal #1 Phase : 105m VOCOL Signal #2 Phase: 105m VOCOL  
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm



Quantitation Report

Signal #1 : C:\HPCHEM\7\DATA\122794\A866008.D Vial: 8  
 Signal #2 : C:\HPCHEM\7\DATA\122794\A866008.D\B866008.D  
 Acq On : 27 Dec 94 04:26 PM Operator: LTG  
 Sample : 6246-232060 MSD Inst : HP3  
 Misc : A/B8582 Multiplr: 1.00  
 Quant Time: Dec 27 17:17 1994

Method : C:\HPCHEM\7\METHODS\DVOA.M  
 Title : 8010/8020  
 Last Update : Sat Dec 17 10:39:36 1994  
 Response via : Multiple Level Calibration

Volume Inj. :  
 Signal #1 Phase : 105m VOCOL Signal #2 Phase: 105m VOCOL  
 Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm *PL 12/18/94*

Compound	R.T.	Response	Conc Units
-----			
System Monitoring Compounds			
27) S 1,4-DCBUTANE	40.61	144825991	27.80 ug/L
		Recovery =	92.67%
34) S 1,4-DFB	24.66	11959269	26.81 ug/L
		Recovery =	89.37%
Target Compounds			
1) FREON 12	5.07	64456543	19.63 ug/L
2) Cl.METHANE	5.65	34553400	22.64 ug/L
3) VC	5.87	96250142	17.95 ug/L
4) Br.METHANE	6.98	30860827	30.33 ug/L
5) Cl. ETHANE	7.17	98329207	19.47 ug/L
6) FREON 11	7.82	143924939	17.35 ug/L
7) M 1,1-DCE	9.77	138603005	17.22 ug/L
8) DCM	11.78	172944341	14.99 ug/L
9) t-1,2-DCE	12.95	144969458	17.15 ug/L
10) 1,1-DCA	15.34	149340600	18.14 ug/L
11) c-1,2-DCE	18.65	3418497	0.33 ug/L
12) CHCl3	19.42	251004867	20.26 ug/L
13) 1,1,1-TCA	21.22	229351491	17.97 ug/L
14) CCl4	22.30	258825825	18.02 ug/L
15) 1,2-DCA	23.37	192308323	17.75 ug/L
16) M TCE	25.86	226610370	19.29 ug/L
17) 1,2-DCP	26.73	183245940	17.99 ug/L
18) CHBrCl2	27.72	180569442	18.05 ug/L
19) 2-CEVE	29.21	10481426	9.80 ug/L
20) c-1,3-DCP	29.99	155197197	17.95 ug/L
21) t-1,3-DCP	32.01	135638851	18.23 ug/L
22) 1,1,2-TCA	32.56	186310415	17.60 ug/L
23) PCE	33.47	220427393	17.71 ug/L
24) CHBr2Cl	34.43	124178720	17.54 ug/L
25) M Cl.BENZENE	36.67	84739121	18.06 ug/L
26) CHBr3	40.23	74339438	17.83 ug/L
28) 1,1,2,2-TCA	40.89	158484235	19.38 ug/L
29) 1,3-DCB	45.08	112053518	17.64 ug/L
30) 1,4-DCB	45.50	127363519	18.75 ug/L
31) 1,2-DCB	46.86	124341938	18.12 ug/L

(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\7\DATA\122794\A866008.D Vial: 8  
 Signal #2 : C:\HPCHEM\7\DATA\122794\A866008.D\B866008.D  
 Acq On : 27 Dec 94 04:26 PM Operator: LTG  
 Sample : Inst : HP3  
 Misc : A/B8582 Multiplr: 1.00  
 Quant Time: Dec 27 17:17 1994

Method : C:\HPCHEM\7\METHODS\DVOA.M  
 Title : 8010/8020  
 Last Update : Sat Dec 17 10:39:36 1994  
 Response via : Multiple Level Calibration

Volume Inj. :  
 Signal #1 Phase : 105m VOCOL Signal #2 Phase: 105m VOCOL  
 Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	R.T.	Response	Conc Units
33) MA-Benzene	23.21	25095841	18.56 ug/L
35) M TOLUENE	31.06	22357653	17.27 ug/L
36) Cl.BENZENE #2	36.65	20985733	17.77 ug/L
37) Et.BENZENE	36.85	20001013	18.79 ug/L
38) m,p-XYLENE	37.12	46643018	33.44 ug/L
39) o-XYLENE	38.74	19883468	17.62 ug/L
40) 1,3-DCB #2	45.07	19867635	18.01 ug/L
41) 1,4-DCB #2	45.49	20640817	19.19 ug/L
42) 1,2-DCB #2	46.84	15507973	17.80 ug/L

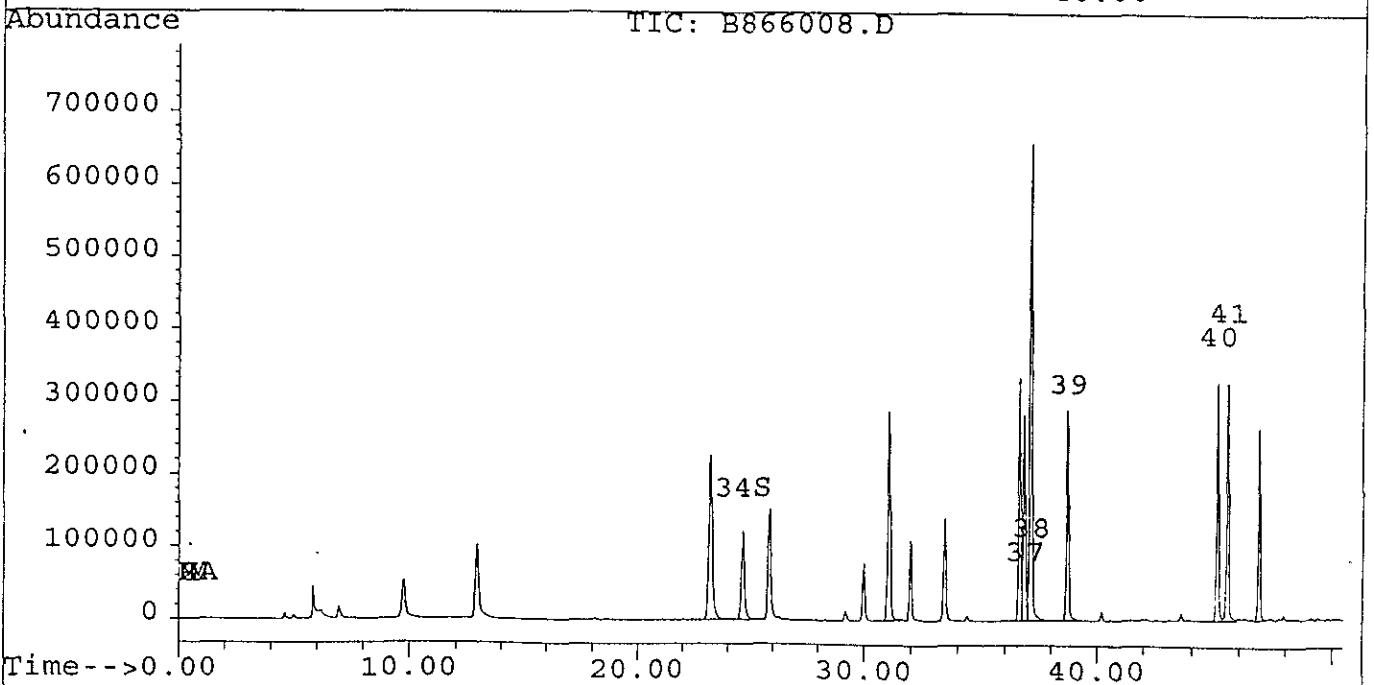
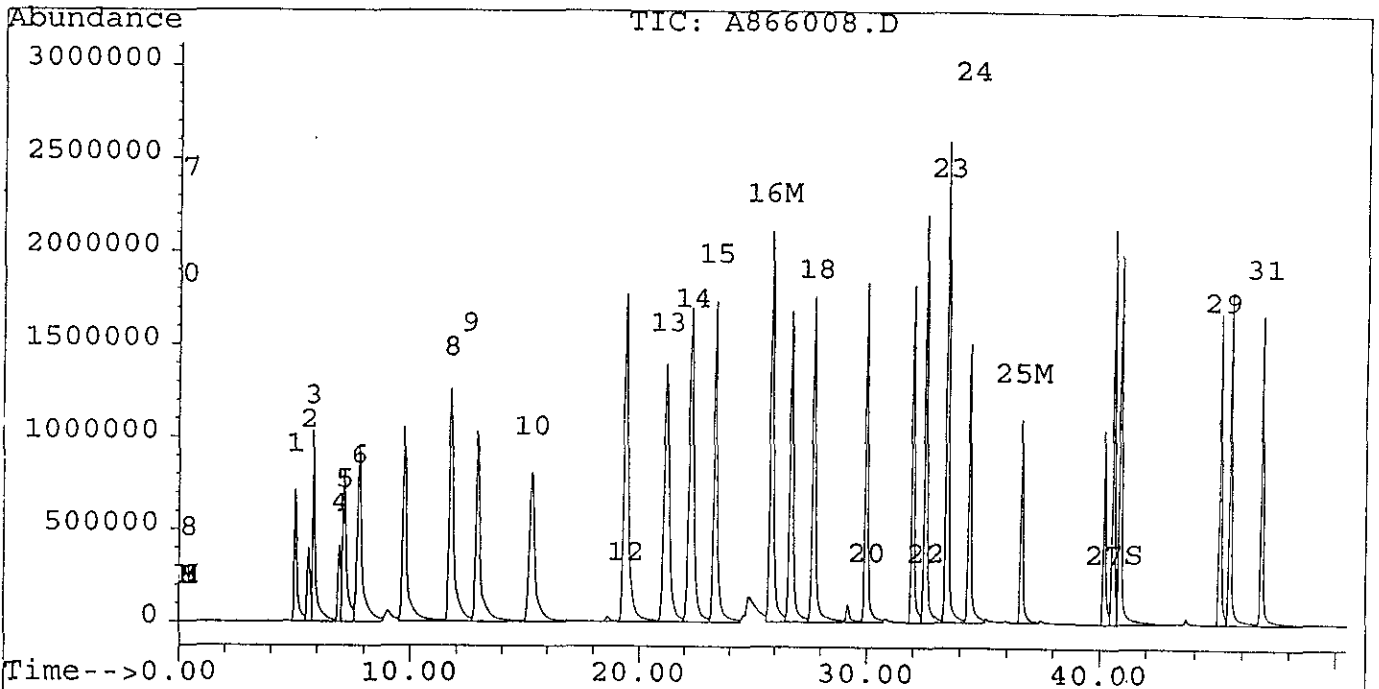


Quantitation Report

Signal #1 : C:\HPCHEM\7\DATA\122794\A866008.D  
Signal #2 : C:\HPCHEM\7\DATA\122794\A866008.D\B866008.D  
Acq On : 27 Dec 94 04:26 PM  
Sample :  
Misc : A/B8582  
Quant Time: Dec 27 17:17 1994  
Vial: 8  
Operator: LTG  
Inst : HP3  
Multiplr: 1.00

Method : C:\HPCHEM\7\METHODS\DVOA.M  
Title : 8010/8020  
Last Update : Sat Dec 17 10:39:36 1994  
Response via : Multiple Level Calibration

Volume Inj. :  
Signal #1 Phase : 105m VOCOL  
Signal #1 Info : 0.53mm  
Signal #2 Phase: 105m VOCOL  
Signal #2 Info : 0.53mm



Quantitation Report

Signal #1 : C:\HPCHEM\7\DATA\122794\A866018.D Vial: 18  
 Signal #2 : C:\HPCHEM\7\DATA\122794\A866018.D\B866018.D  
 Acq On : 28 Dec 94 02:38 AM Operator: LTG  
 Sample : *6162-231617* Inst : HP3  
 Misc : A/B8582 Multiplr: 1.00  
 Quant Time: Dec 28 9:53 1994

Method : C:\HPCHEM\7\METHODS\DVOA.M  
 Title : 8010/8020  
 Last Update : Sat Dec 17 10:39:36 1994  
 Response via : Multiple Level Calibration

Volume Inj. :  
 Signal #1 Phase : 105m VOCOL Signal #2 Phase: 105m VOCOL  
 Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm *2/18/94*

Compound	R.T.	Response	Conc Units
-----			
System Monitoring Compounds			
27) S 1,4-DCBUTANE	40.58	127354715	24.44 ug/L
		Recovery =	81.47%
34) S 1,4-DFB	24.61	11327085	25.40 ug/L m
		Recovery =	84.67%
Target Compounds			
1) FREON 12	5.05	729944	N.D. ug/L
2) Cl.METHANE	0.00	0	N.D. ug/L
3) VC	0.00	0	N.D. ug/L
4) Br.METHANE	0.00	0	N.D. ug/L
5) Cl. ETHANE	0.00	0	N.D. ug/L
6) FREON 11	7.80	1248854	0.15 ug/L < RL
7) M 1,1-DCE	0.00	0	N.D. ug/L
8) DCM	11.75	16241832	N.D. ug/L
9) t-1,2-DCE	0.00	0	N.D. ug/L
10) 1,1-DCA	15.33 ✓	6841299	0.83 ug/L ✓
11) c-1,2-DCE	0.00	0	N.D. ug/L
12) CHCl3	0.00	0	N.D. ug/L
13) 1,1,1-TCA	0.00	0	N.D. ug/L
14) CCl4	0.00	0	N.D. ug/L
15) 1,2-DCA	0.00	0	N.D. ug/L
16) M TCE	0.00	0	N.D. ug/L
17) 1,2-DCP	0.00	0	N.D. ug/L
18) CHBrCl2	0.00	0	N.D. ug/L
19) 2-CEVE	0.00	0	N.D. ug/L
20) c-1,3-DCP	0.00	0	N.D. ug/L
21) t-1,3-DCP	0.00	0	N.D. ug/L
22) 1,1,2-TCA	0.00	0	N.D. ug/L
23) PCE	0.00	0	N.D. ug/L
24) CHBr2Cl	0.00	0	N.D. ug/L
25) M Cl.BENZENE	0.00	0	N.D. ug/L
26) CHBr3	0.00	0	N.D. ug/L
28) 1,1,2,2-TCA	0.00	0	N.D. ug/L
29) 1,3-DCB	0.00	0	N.D. ug/L
30) 1,4-DCB	0.00	0	N.D. ug/L
31) 1,2-DCB	0.00	0	N.D. ug/L

(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\7\DATA\122794\A866018.D Vial: 18  
 Signal #2 : C:\HPCHEM\7\DATA\122794\A866018.D\B866018.D  
 Acq On : 28 Dec 94 02:38 AM Operator: LTG  
 Sample : Inst : HP3  
 Misc : A/B8582 Multiplr: 1.00  
 Quant Time: Dec 28 9:53 1994

Method : C:\HPCHEM\7\METHODS\DVOA.M  
 Title : 8010/8020  
 Last Update : Sat Dec 17 10:39:36 1994  
 Response via : Multiple Level Calibration

Volume Inj. :  
 Signal #1 Phase : 105m VOCOL Signal #2 Phase: 105m VOCOL  
 Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

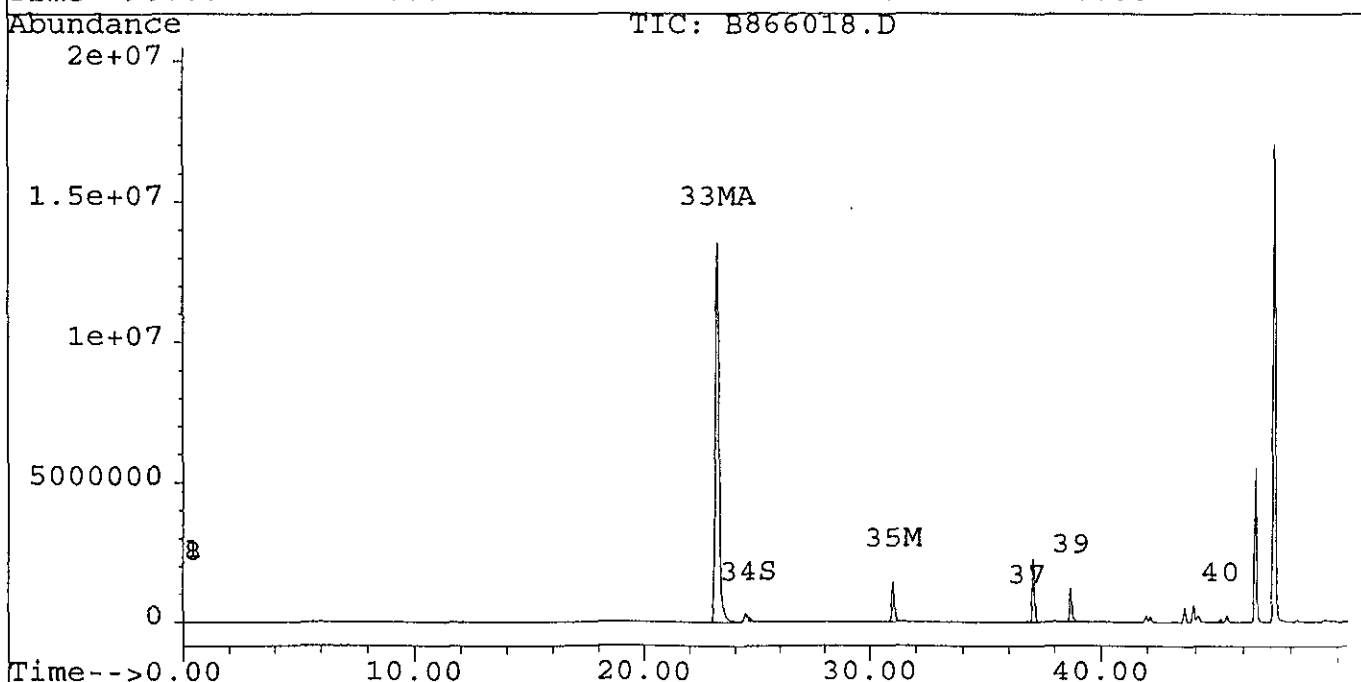
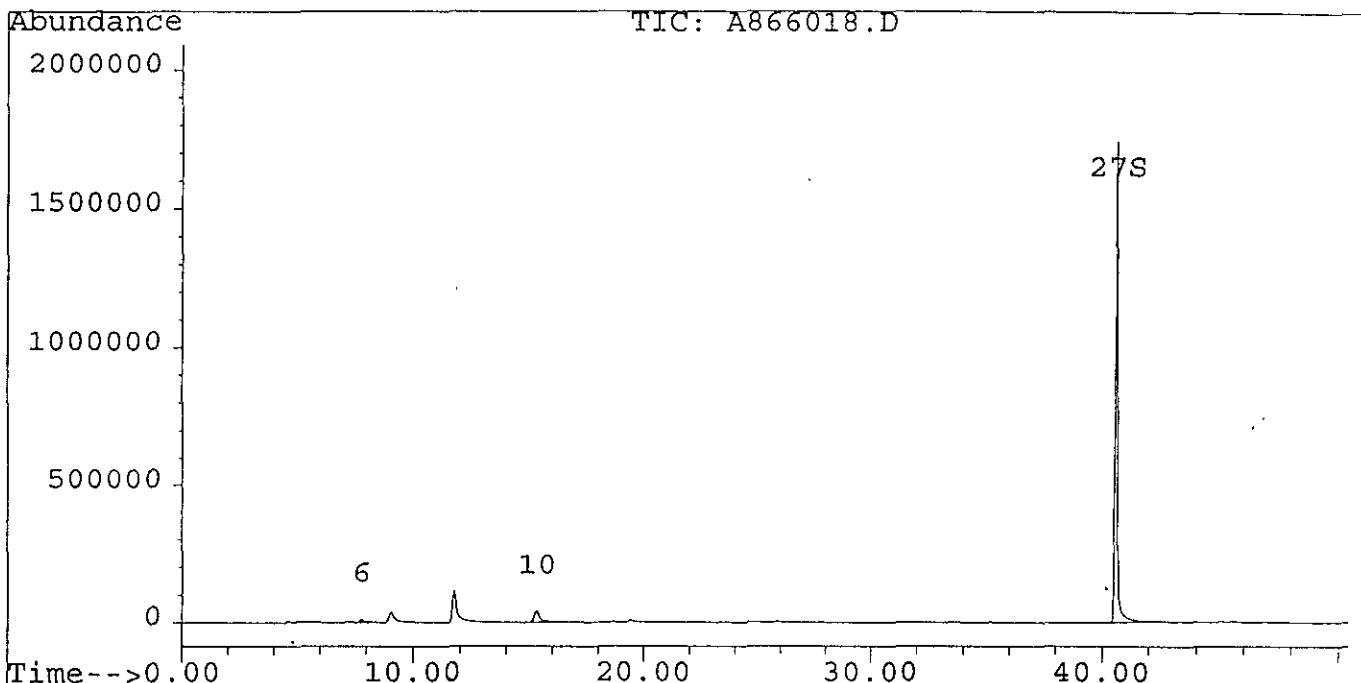
Compound	R.T.	Response	Conc Units
33) MA Benzene	23.23	1619857257	1198.12 ug/L
35) M TOLUENE	31.03	114567895	88.52 ug/L
36) Cl.BENZENE #2	0.00	0	N.D. ug/L
37) Et.BENZENE	36.82	3211335	2.00 ug/L
38) m,p-XYLENE	37.10	154417205	110.72 ug/L
39) o-XYLENE	38.71	86199521	76.40 ug/L
40) 1,3-DCB #2	45.05	7987638	7.24 ug/L
41) 1,4-DCB #2	45.48	1484596	1.38 ug/L
42) 1,2-DCB #2	0.00	0	N.D. ug/L

Quantitation Report

Signal #1 : C:\HPCHEM\7\DATA\122794\A866018.D Vial: 18  
Signal #2 : C:\HPCHEM\7\DATA\122794\A866018.D\B866018.D  
Acq On : 28 Dec 94 02:38 AM Operator: LTG  
Sample : Inst : HP3  
Misc : A/B8582 Multiplr: 1.00  
Quant Time: Dec 28 9:53 1994

Method : C:\HPCHEM\7\METHODS\DVOA.M  
Title : 8010/8020  
Last Update : Sat Dec 17 10:39:36 1994  
Response via : Multiple Level Calibration

Volume Inj. :  
Signal #1 Phase : 105m VOCOL Signal #2 Phase: 105m VOCOL  
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm



Quantitation Report

Signal #1 : C:\HPCHEM\7\DATA\122794\A866027.D Vial: 27  
 Signal #2 : C:\HPCHEM\7\DATA\122794\A866027.D\B866027.D  
 Acq On : 28 Dec 94 11:48 AM Operator: LTG  
 Sample : Inst : HP3  
 Misc : A/B8582 Multiplr: 1.00  
 Quant Time: Dec 28 12:40 1994

Method : C:\HPCHEM\7\METHODS\DVOA.M  
 Title : 8010/8020  
 Last Update : Sat Dec 17 10:39:36 1994  
 Response via : Multiple Level Calibration

Volume Inj. :  
 Signal #1 Phase : 105m VOCOL Signal #2 Phase: 105m VOCOL  
 Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	R.T.	Response	Conc Units
-----			
System Monitoring Compounds			
27) S 1,4-DCBUTANE	40.61	144061093	27.65 ug/L
		Recovery =	92.17%
34) S 1,4-DFB	24.67	11747068	26.34 ug/L
		Recovery =	87.80%
Target Compounds			
1) FREON 12	5.07	54733387	16.00 ug/L
2) Cl.METHANE	5.65	26425837	17.31 ug/L
3) VC	5.86	86663589	16.16 ug/L
4) Br.METHANE	6.98	25666511	25.22 ug/L
5) Cl. ETHANE	7.17	88473508	17.52 ug/L
6) FREON 11	7.82	133453403	16.09 ug/L
7) M 1,1-DCE	9.77	127614319	15.86 ug/L
8) DCM	11.78	207935533	19.54 ug/L
9) t-1,2-DCE	12.96	135284082	16.00 ug/L
10) 1,1-DCA	15.35	139680852	16.96 ug/L
11) c-1,2-DCE	18.67	2297206	0.22 ug/L
12) CHCl3	19.43	249640747	20.14 ug/L
13) 1,1,1-TCA	21.23	226805470	17.77 ug/L
14) CCl4	22.31	254275266	17.70 ug/L
15) 1,2-DCA	23.37	192988839	17.81 ug/L
16) M TCE	25.87	222410182	18.93 ug/L
17) 1,2-DCP	26.74	183345747	18.00 ug/L
18) CHBrCl2	27.73	182317760	18.22 ug/L
19) 2-CEVE	29.22	11521105	10.68 ug/L
20) c-1,3-DCP	29.99	153915336	17.80 ug/L
21) t-1,3-DCP	32.01	136218591	18.31 ug/L
22) 1,1,2-TCA	32.56	190632958	18.01 ug/L
23) PCE	33.47	218797533	17.57 ug/L
24) CHBr2Cl	34.43	128022210	18.08 ug/L
25) M Cl.BENZENE	36.66	86260424	18.38 ug/L
26) CHBr3	40.23	75313517	18.06 ug/L
28) 1,1,2,2-TCA	40.89	159847397	19.59 ug/L
29) 1,3-DCB	45.08	108639979	17.10 ug/L
30) 1,4-DCB	45.50	122563484	18.05 ug/L
31) 1,2-DCB	46.85	122084250	17.79 ug/L

(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\7\DATA\122794\A866027.D Vial: 27  
 Signal #2 : C:\HPCHEM\7\DATA\122794\A866027.D\B866027.D  
 Acq On : 28 Dec 94 11:48 AM Operator: LTG  
 Sample : Inst : HP3  
 Misc : A/B8582 Multiplr: 1.00  
 Quant Time: Dec 28 12:40 1994

Method : C:\HPCHEM\7\METHODS\DVOA.M  
 Title : 8010/8020  
 Last Update : Sat Dec 17 10:39:36 1994  
 Response via : Multiple Level Calibration

Volume Inj. :  
 Signal #1 Phase : 105m VOCOL Signal #2 Phase: 105m VOCOL  
 Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

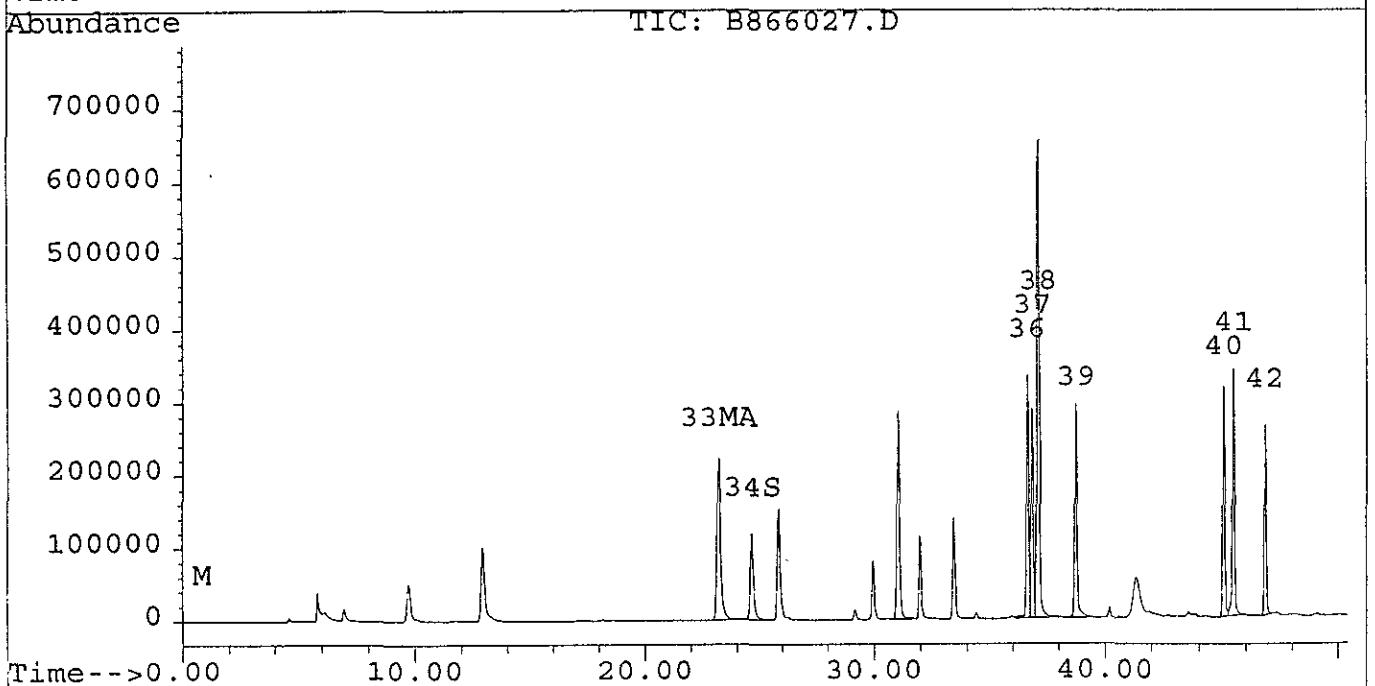
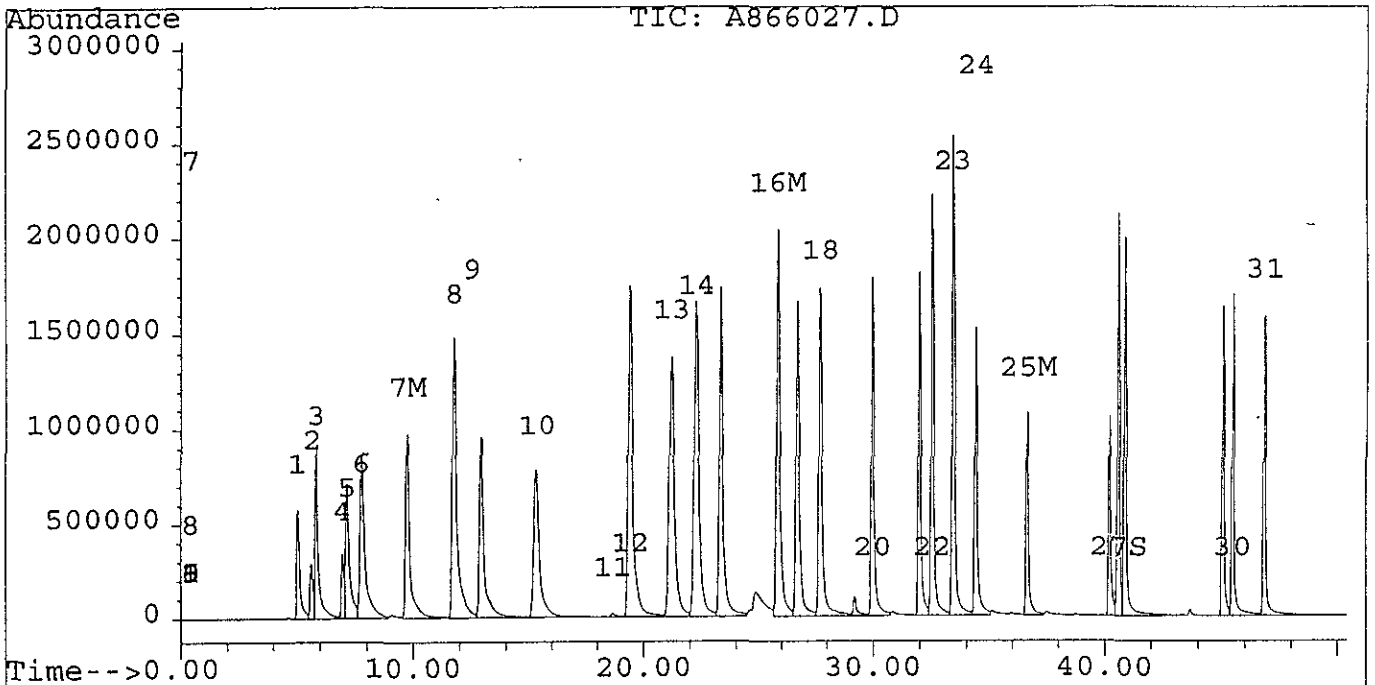
Compound	R.T.	Response	Conc Units
33) MA Benzene	23.22	24620578	18.21 ug/L
35) M TOLUENE	31.06	22766625	17.59 ug/L
36) Cl.BENZENE #2	36.65	21829973	18.49 ug/L
37) Et.BENZENE	36.85	20225862	19.02 ug/L
38) m,p-XYLENE	37.12	47227516	33.86 ug/L
39) o-XYLENE	38.74	21220411	18.81 ug/L
40) 1,3-DCB #2	45.06	19447531	17.63 ug/L
41) 1,4-DCB #2	45.48	21327166	19.83 ug/L
42) 1,2-DCB #2	46.84	15225385	17.48 ug/L

Quantitation Report

Signal #1 : C:\HPCHEM\7\DATA\122794\A866027.D Vial: 27  
Signal #2 : C:\HPCHEM\7\DATA\122794\A866027.D\B866027.D  
Acq On : 28 Dec 94 11:48 AM Operator: LTG  
Sample : Inst : HP3  
Misc : A/B8582 Multiplr: 1.00  
Quant Time: Dec 28 12:40 1994

Method : C:\HPCHEM\7\METHODS\DVOA.M  
Title : 8010/8020  
Last Update : Sat Dec 17 10:39:36 1994  
Response via : Multiple Level Calibration

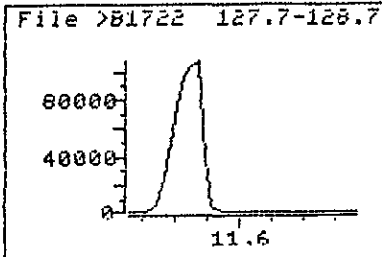
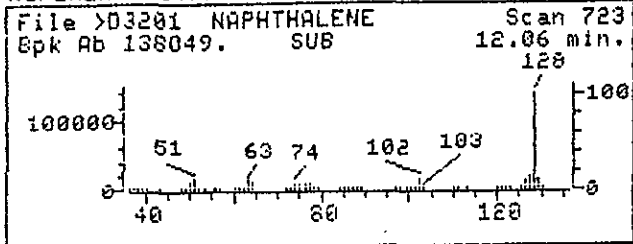
Volume Inj. :  
Signal #1 Phase : 105m VOCOL Signal #2 Phase: 105m VOCOL  
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm



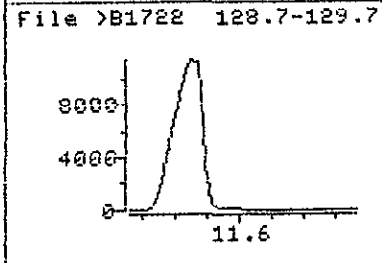
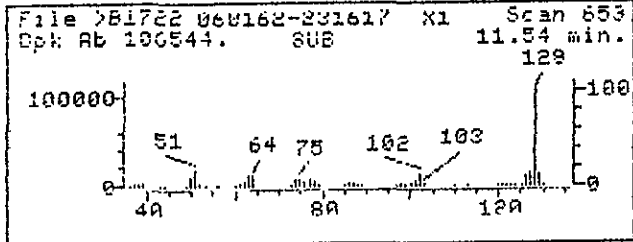
SB 1086w1



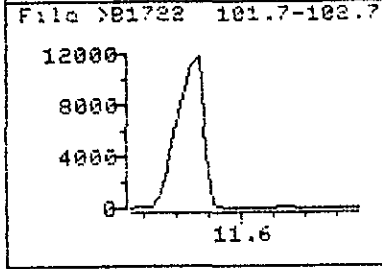
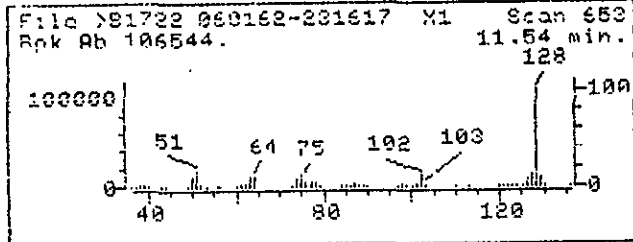
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



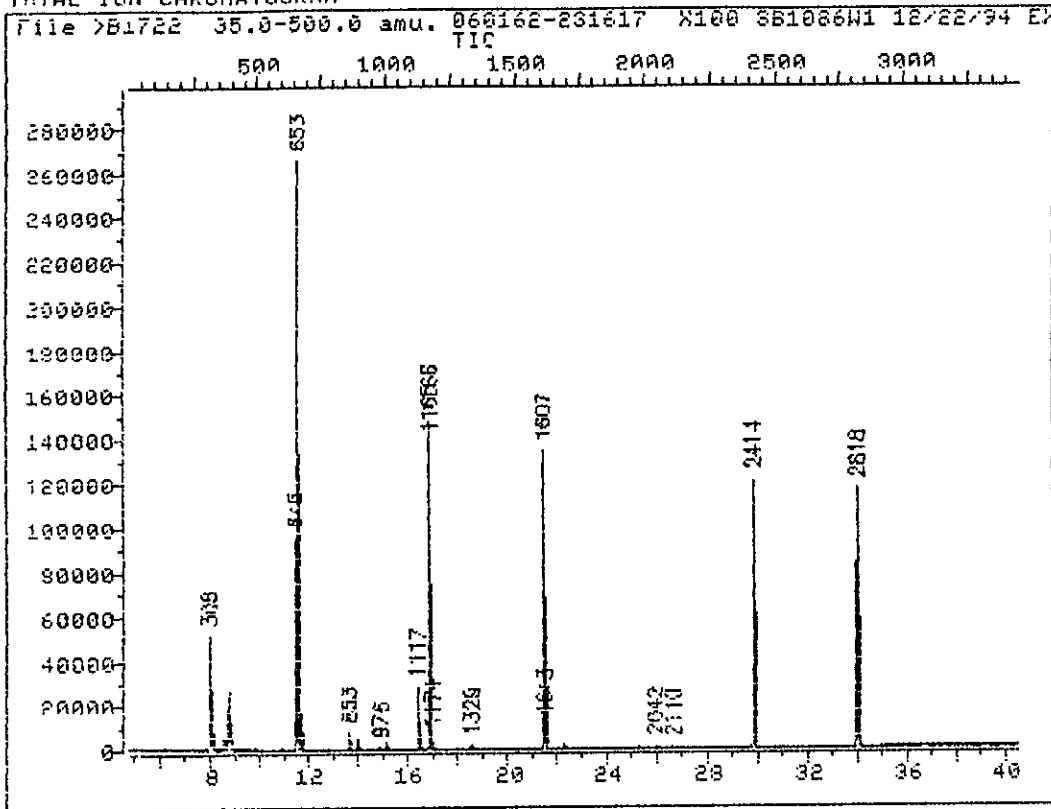
Data File: >B1722::A0  
 Name: 060162-231617 X100  
 Misc: SB1086W1 12/22/94 EX 12/21 1000ML/1ML 8270 7250  
 Quant Time: 941222 21:03  
 Injected at: 941222 20:21  
 Last Qual Time: 941222 09:24

Quant Output File: ^B1722::02  
 Instrument ID: SEMI00L1  
 BTI #13  
 Quant ID File: DFNRM03::04  
 Last Calibration: 930603 08:44

Compound No : 27  
 Compound Name : C450 Naphthalene  
 Scan Number : 653  
 Retention Time: 11.54 min.  
 Quant Ion : 128.0  
 Area : 322373  
 Concentration : 108.44  
 q-value : 98

ng/mL (100) = 11,000 ug/L

TOTAL ION CHROMATOGRAM



Data File: >B1722::A0

Quant Output File: ^B1722::D2

Name: 060162-231617 X100

Instrument ID: SEMIQUANT1

Misc: SB1086W1 12/22/94 EX 12/21 1000ML/1ML 8270 7250

BTU#13

Id File: DFORMB::D4

Title: HP BNA Standards for 5 point Calibration Curve Rev. E

Last Calibration: 930603 08:44

Last Qual Time: 941222 09:24

Operator ID: SUSAN

Quant Time : 941222 21:03

Injected at: 941222 20:21

QUANT REPORT

Operator ID: SUSAN                    Quant Rev: 7      Quant Time: 941222 21:03  
 Output File: ^R1722::D2            Injected at: 941222 20:21  
 Data File: >B1722::A0            Dilution Factor: 1.00000  
 Name: ~~601162-231617~~ X100      Instrument ID: SEMI001  
 Misc: ~~601162~~ 12/22/94 EX 12/21 1000ML/1ML 8270 7250      BTL#13

ID File: DF0RMB::D4  
 Title: HP RNA Standards for 5 point Calibration Curve Rev. E  
 Last Calibration: 930603 08:44                    Last Qcal Time: 941222 09:24

Compound	R.T.	Scan#	Area	Conc	Units	q
1) *C130 d4-1,4-Dichlorobenzene	7.96	308	28304	40.00	ng/uL	9
17) *C140 d8-Naphthalene	11.45	645	117992	40.00	ng/uL	9
27) C450 Naphthalene	11.54	653	322373	108.44	ng/uL	9
31) C470 2-Methylnaphthalene	13.61	853	7037	3.37	ng/uL	8
32) *C150 d10-Acenaphthene	16.84	1165	75492	40.00	ng/uL	9
37) C525 2-Fluorobiphenyl	14.88	976	1587	.713	ng/uL	8
39) C535 Dimethylphthalate	16.85	1166	14765	5.72	ng/uL	4
40) C540 Acenaphthylene	16.35	1117	28451	9.24	ng/uL	9
42) C550 Acenaphthene	16.94	1174	3282	1.66	ng/uL	9
50) C590 Fluorene	18.54	1329	2321	.977	ng/uL	9
53) *C160 d10-Phenanthrene	21.43	1607	122593	40.00	ng/uL	9
64) C640 Phenanthrene	21.49	1613	9842	3.01	ng/uL	9
65) C645 Anthracene	21.49	1613	9842	2.85	ng/uL	9
71) *C170 d12-Chrysene	29.79	2414	125898	40.00	ng/uL	9
73) C715 Pyrene	25.94	2042	2173	.460	ng/uL	9
78) C530 Terphenyl-d14	26.64	2110	1461	.599	ng/uL	9
89) *C175 d12-Perylene	33.98	2818	144400	40.00	ng/uL	9

\* Compound is ISTD

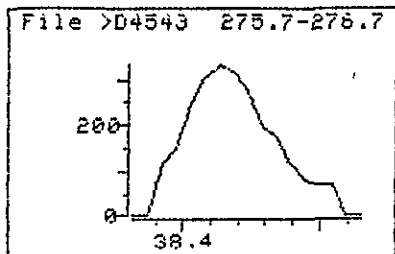
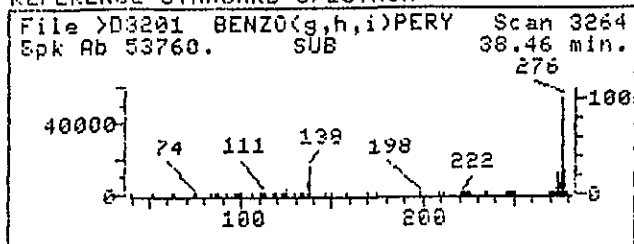
NAPHTHALENE: 11,000 ug/L

1/EC 12-29-94

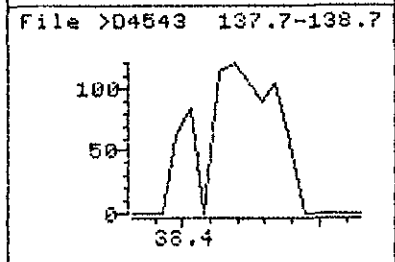
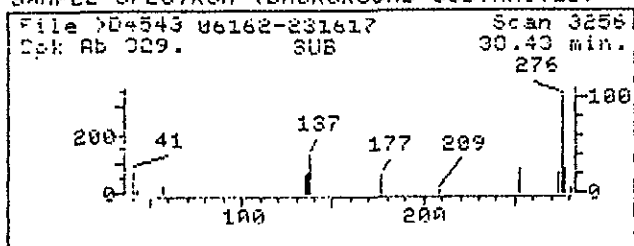
SG 11/10/95

ENT 12-29

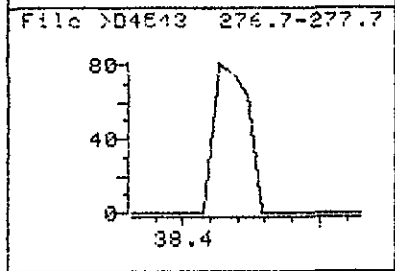
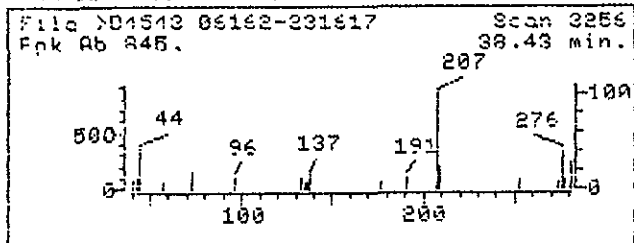
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

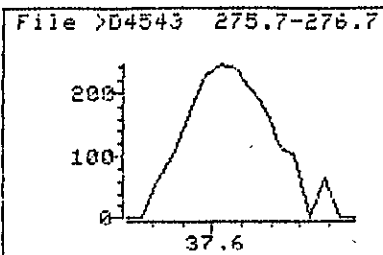
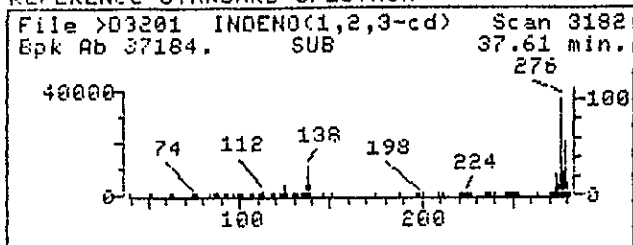


Data File: >D4543::A6  
 Name: 06162-231617 X10  
 Misc: SB1086W1 12/21/94 EX 12/21 1000ML/1ML 8270 7250 BTI # 7  
 Quant Time: 941221 20:11  
 Injected at: 941221 19:29  
 Last Qcal Time: 941221 09:17

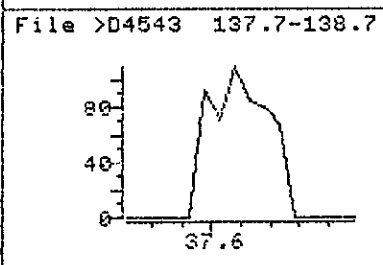
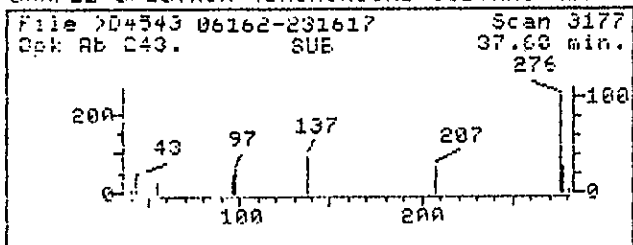
Quant Output File: ^D4543::D3  
 Instrument ID: SEMI00L2  
 Quant ID File: DFORMD::D4  
 Last Calibration: 941212 09:46

Compound No : 96  
 Compound Name : C790 benzo(g,h,i)Perylene  
 Scan Number : 3256  
 Retention Time: 38.43 min.  
 Quant Ion : 276.0  
 Area : 1524  
 Concentration : 7.27 ng/UL  
 q-value : 88

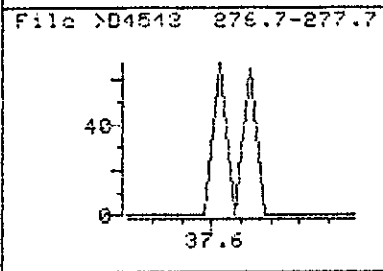
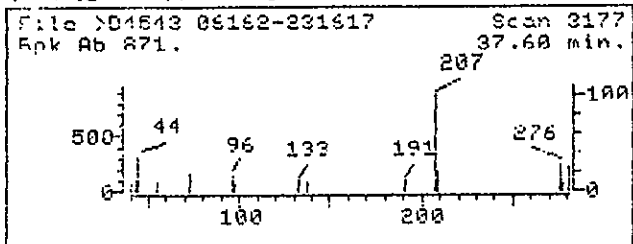
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

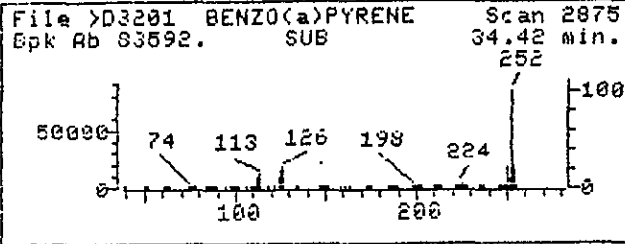


Data File: >D4543::A6  
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 Misc: SR1086M1 12/21/94 EX 12/21 1000ML/1ML 8270 7250  
 Quant Time: 941221 20:11  
 Injected at: 941221 19:29  
 Last Qual Time: 941221 09:17

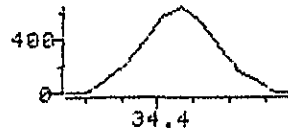
Quant Output File: ^D4543::D3  
 Instrument ID: SEMI0DL2  
 BTI # 7  
 Quant ID File: DFORMD::D4  
 Last Calibration: 941212 09:46

Compound No : 94  
 Compound Name : C780 indeno(1,2,3-cd)Pyrene  
 Scan Number : 3177  
 Retention Time: 37.60 min.  
 Quant Ion : 276.0  
 Area : 1062  
 Concentration : 4.38 ng/uL  
 q-value : 82

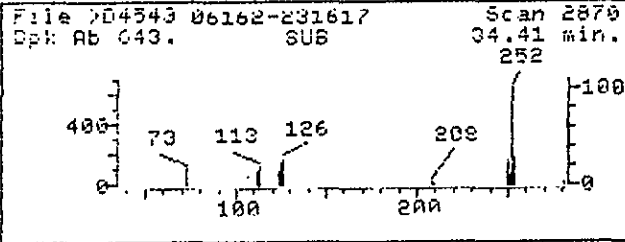
REFERENCE STANDARD SPECTRUM



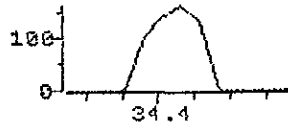
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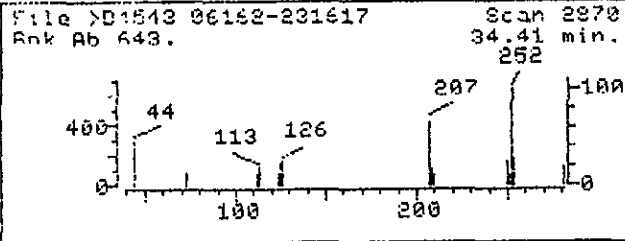
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



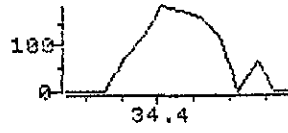
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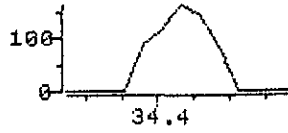
SAMPLE SPECTRUM (UNALTERED)



File >D4543 252.7-253.7



File >D4543 125.7-126.7

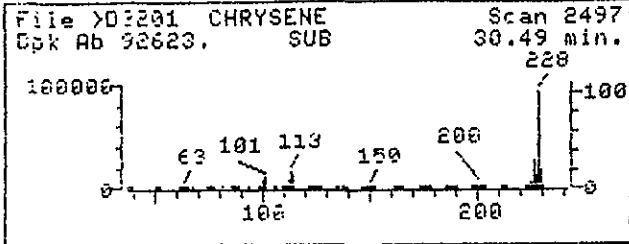


Data File: >D4543::A6  
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 Misc: SB1086W1 12/21/94 EX 12/21 1000ML/1ML 8270 7250  
 Quant Time: 941221 20:11  
 Injected at: 941221 19:29  
 Last Qcal Time: 941221 09:17

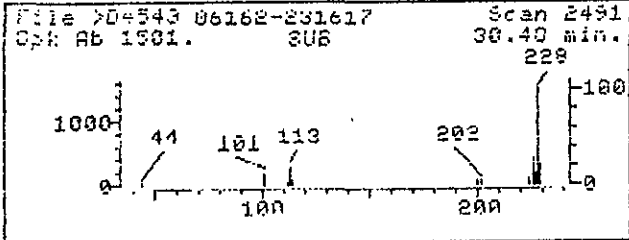
Quant Output File: ^D4543::D3  
 Instrument ID: SEMTUNL2  
 BTI # 7  
 Quant ID File: DFMMD::D4  
 Last Calibration: 941212 09:46

Compound No : 93  
 Compound Name : C775 benzo(a)Pyrene  
 Scan Number : 2870  
 Retention Time: 34.41 min.  
 Quant Ion : 252.0  
 Area : 1902  
 Concentration : 8.53 ng/ul  
 q-value : 91

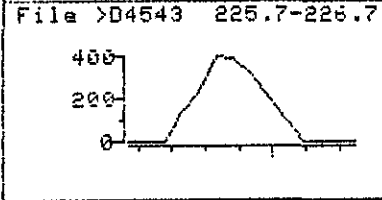
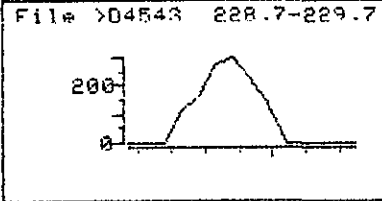
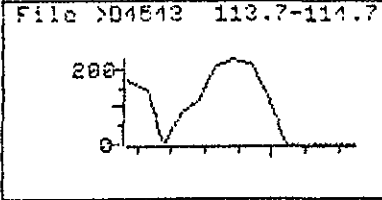
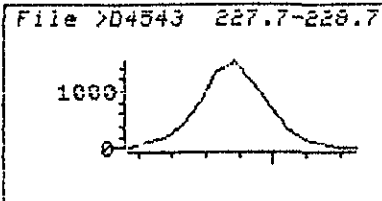
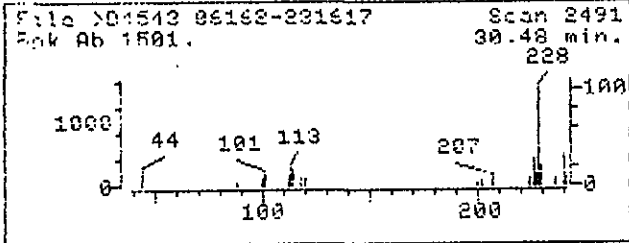
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

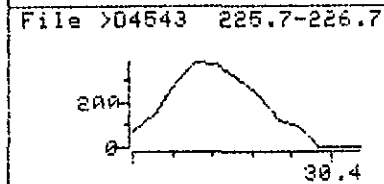
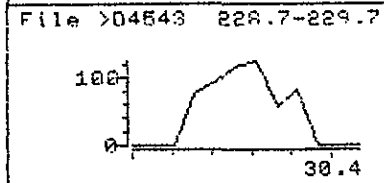
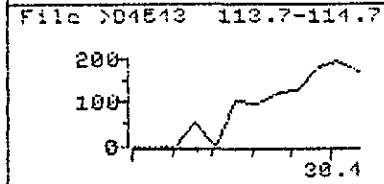
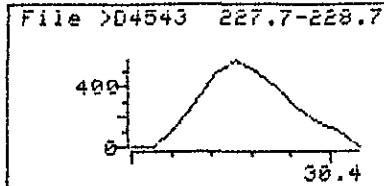
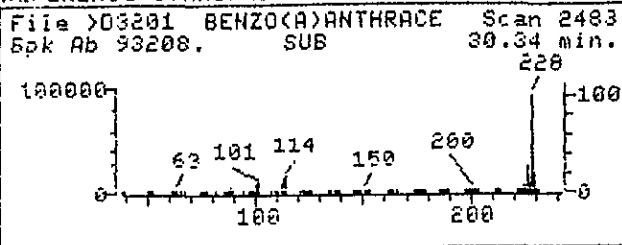


Data File: >D4543::A6  
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 Injected at: 941221 19:29  
 Last Qcal Time: 941221 09:17

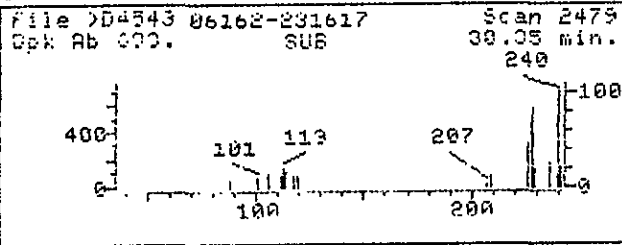
Quant Output File: ^D4543::D3  
 Instrument ID: SEMI00L2  
 Quant ID File: DFNRM0::D4  
 Last Calibration: 941212 09:46

Compound No : 88  
 Compound Name : C740 Chrysene  
 Scan Number : 2491  
 Retention Time: 30.48 min.  
 Quant Ion : 228.0  
 Area : 4271  
 Concentration : 19.99 ng/uL  
 q-value : 95

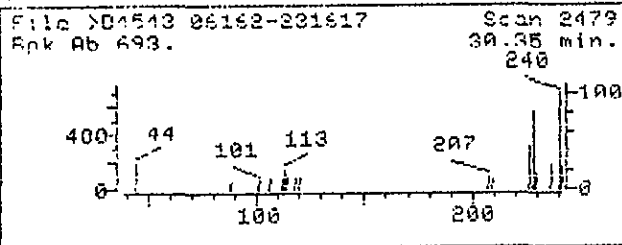
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



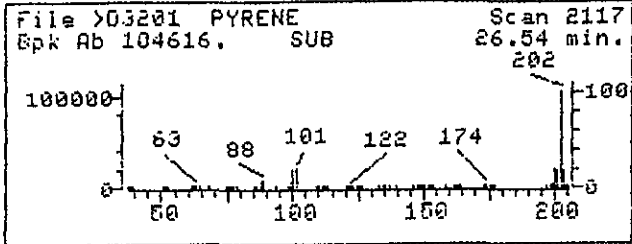
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 Misc: SR1086M1 12/21/94 EX 12/21 1000ML/1ML 8270 7250  
 Quant Time: 941221 20:11  
 Injected at: 941221 19:29  
 Last Qcal Time: 941221 09:17

Quant Output File: ^D4543::D3  
 Instrument ID: SEMIUNL2  
 BTI # 7  
 Quant ID File: DFNRM0::D4  
 Last Calibration: 941212 09:46

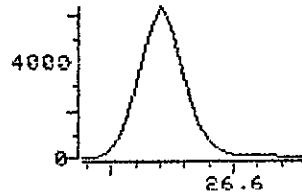
Compound No : 86  
 Compound Name : C730 benzo(a)Anthracene  
 Scan Number : 2479  
 Retention Time: 30.35 min.  
 Quant Ion : 228.0  
 Area : 1800  
 Concentration : 7.17 ng/uL  
 q-value : 73



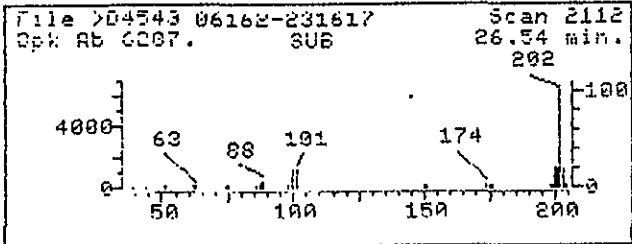
REFERENCE STANDARD SPECTRUM



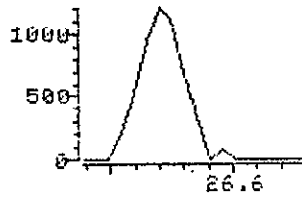
File >D4543 201.7-202.7



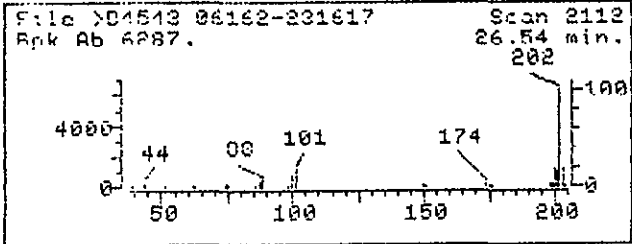
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



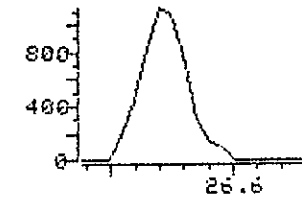
File >D4543 199.7-200.7



SAMPLE SPECTRUM (UNALTERED)



File >D4543 189.7-191.7

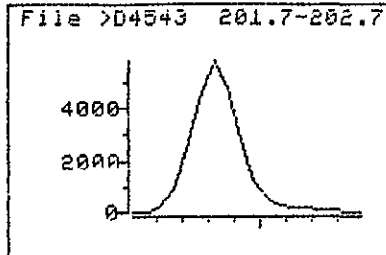
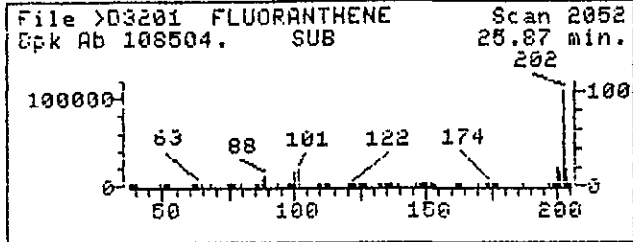


Data File: >D4543::A6  
Name: 06162-231617 X10  
Misc: SB1086M1 12/21/94 EX 12/21 1000ML/1ML 8270 7250  
Quant Time: 941221 20:11  
Injected at: 941221 19:29  
Last Qcal Time: 941221 09:17

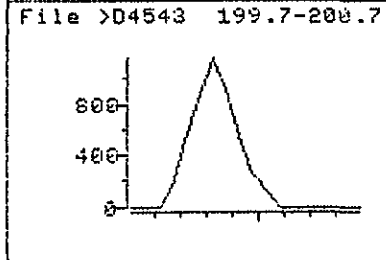
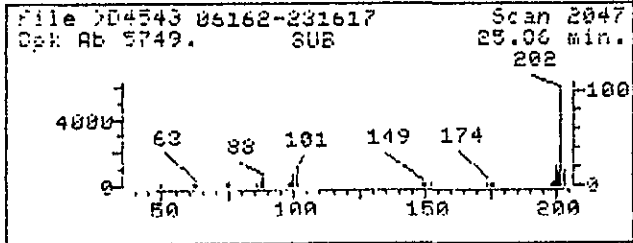
Quant Output File: ^D4543::D3  
Instrument ID: SEMI40L2  
BTI # 7  
Quant ID File: DFARMD::D4  
Last Calibration: 941212 09:46

Compound No : 73  
Compound Name : C715 Pyrene  
Scan Number : 2112  
Retention Time: 26.54 min.  
Quant Ion : 202.0  
Area : 17116  
Concentration : 60.79 ng/ul  
q-value : 97

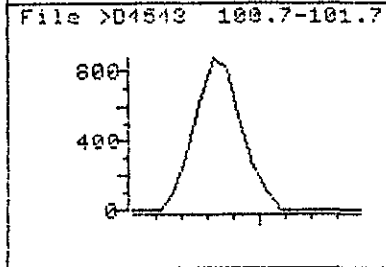
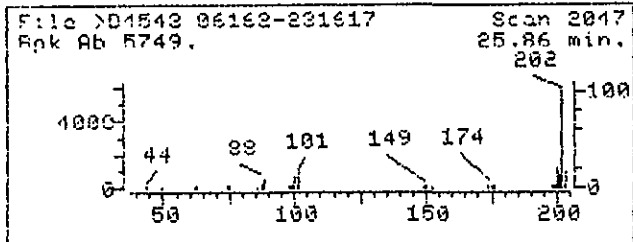
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

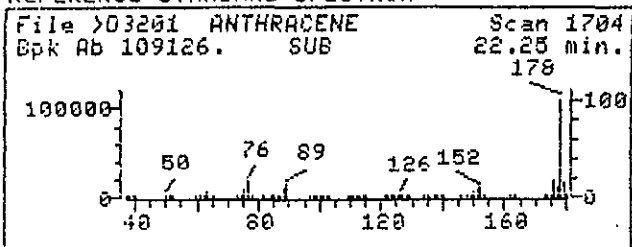


Data File: >D4543::A6  
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 Last Qcal Time: 941221 09:17

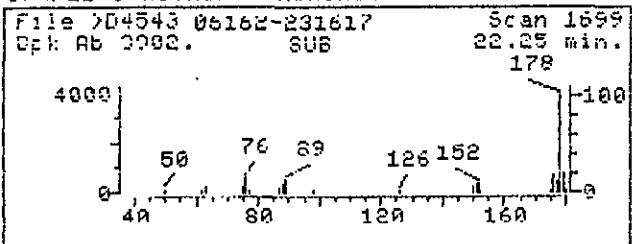
Quant Output File: ^D4543::D3  
 Instrument ID: SEMI0DL2  
 Quant ID File: DFORMD::D4  
 Last Calibration: 941212 09:46

Compound No : 70  
 Compound Name : C655 Fluoranthene  
 Scan Number : 2047  
 Retention Time: 25.86 min.  
 Quant Ion : 202.0  
 Area : 14978  
 Concentration : 50.49 ng/ul  
 q-value : 95

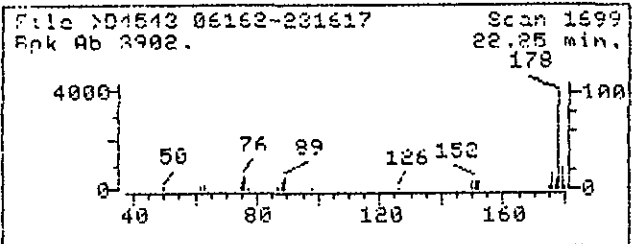
REFERENCE STANDARD SPECTRUM



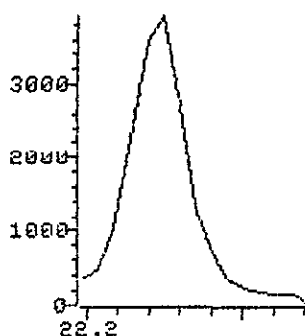
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



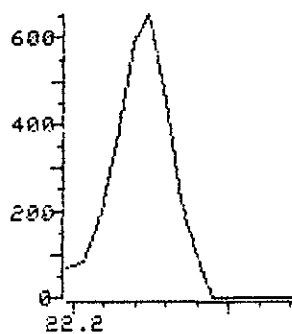
SAMPLE SPECTRUM (UNALTERED)



File >D4543 177.7-178.7



File >D4543 175.7-176.7

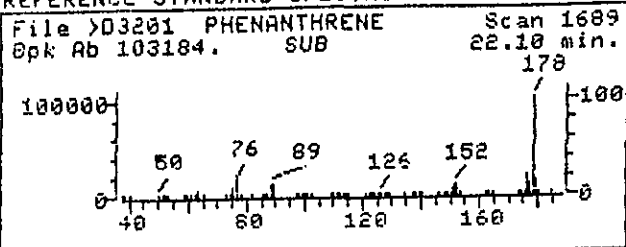


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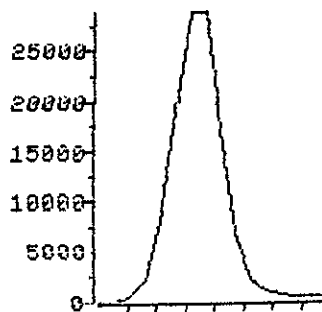
Quant Output File: ^D4543::D3  
 Instrument ID: SEMI0DL2  
 BTI # 7  
 Quant ID File: DF0RMD::D4  
 Last Calibration: 941212 09:46

Compound No : 65  
 Compound Name : C645 Anthracene  
 Scan Number : 1699  
 Retention Time: 22.25 min.  
 Quant Ion : 178.0  
 Area : 10578  
 Concentration : 36.70 ng/uL  
 q-value : 97

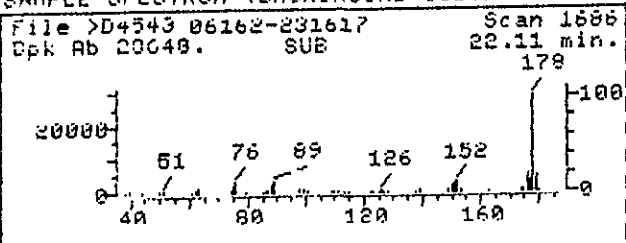
REFERENCE STANDARD SPECTRUM



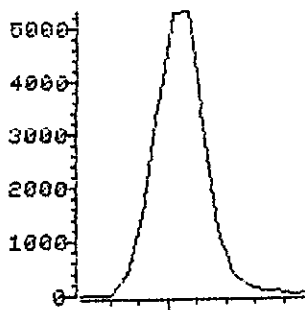
File >D4543 177.7-178.7



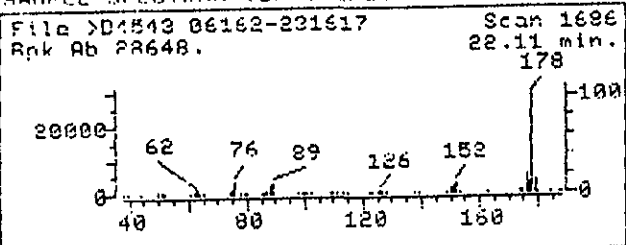
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



File >D4543 175.7-176.7



SAMPLE SPECTRUM (UNALTERED)



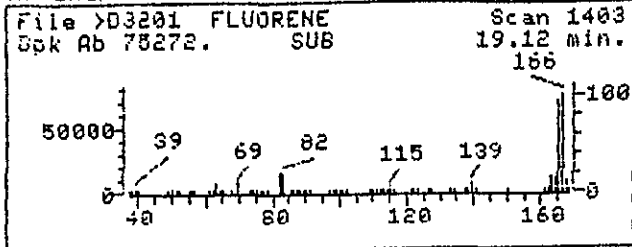
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 Misc: SB1086M1 12/21/94 EX 12/21 1000ML/1ML 8270 7250  
 Quant Time: 941221 20:11  
 Injected at: 941221 19:29  
 Last Qcal Time: 941221 09:17

Quant Output File: ^D4543::D3  
 Instrument ID: SEMIUDL2  
 BTL# 7  
 Quant ID File: QFNRMDD4  
 Last Calibration: 941212 09:46

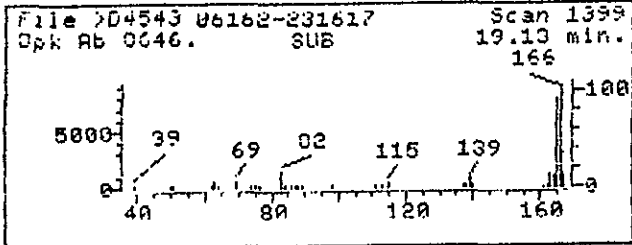
Compound No : 64  
 Compound Name : C640 Phenanthrene  
 Scan Number : 1686  
 Retention Time: 22.11 min.  
 Quant Ion : 178.0  
 Area : 72072  
 Concentration : 261.53 ng/ul  
 q-value : 98

— EXCESS CALIBRATION —

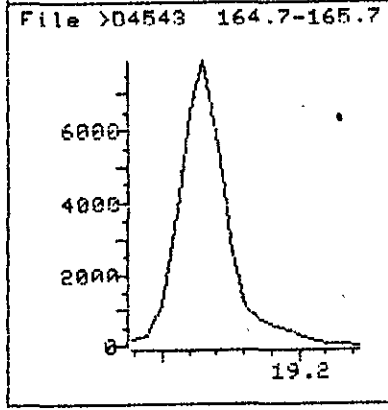
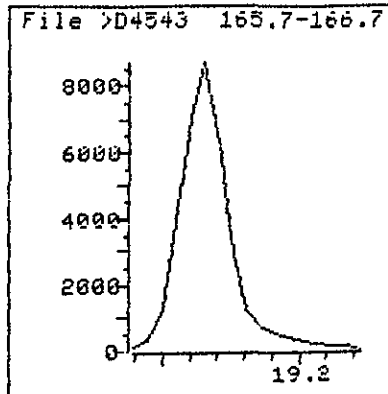
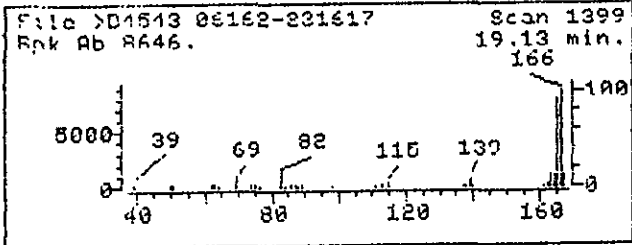
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

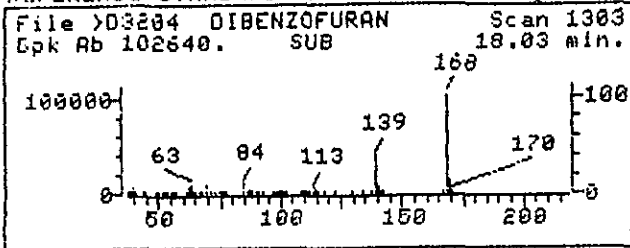


Data File: >D4543::A6  
 Name: 06162-231617 X10  
 Misc: SB1086W1 12/21/94 EX 12/21 1000ML/1ML 8270 7250  
 Quant Time: 941221 20:11  
 Injected at: 941221 19:29  
 Last Qcal Time: 941221 09:17

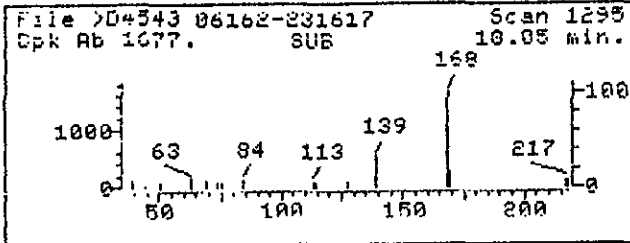
Quant Output File: ^D4543::03  
 Instrument ID: SEMI00L2  
 BTI # 7  
 Quant ID File: DFORMD::04  
 Last Calibration: 941212 09:46

Compound No : 50  
 Compound Name : C590 Fluorene  
 Scan Number : 1399  
 Retention Time: 19.13 min.  
 Quant Ion : 166.0  
 Area : 21030  
 Concentration : 107.02 ng/ul  
 q-value : 96

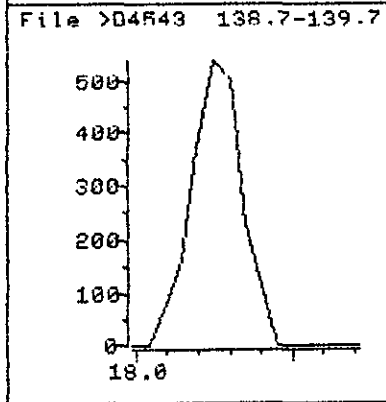
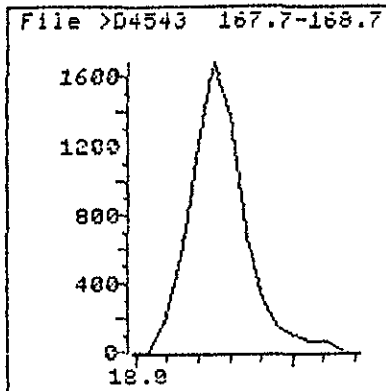
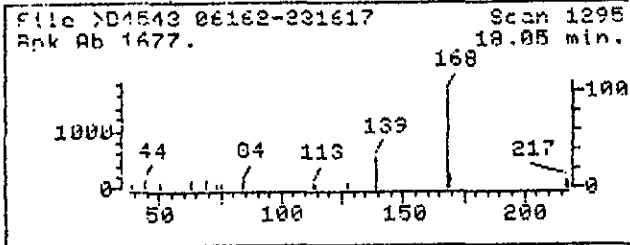
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

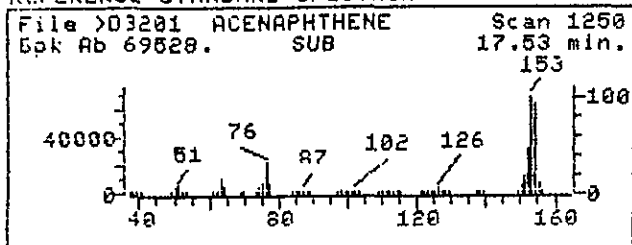


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 Misc: SR1086W1 12/21/94 EX 12/21 1000ML/1ML 8270 7250  
 Quant Time: 941221 20:11  
 Injected at: 941221 19:29  
 Last Qual Time: 941221 09:17

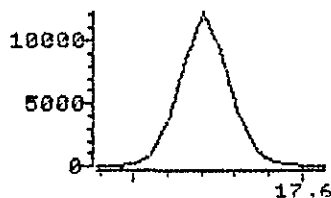
Quant Output File: ^D4543::D3  
 Instrument ID: SEMI VDL2  
 BTI # 7  
 Quant ID File: DFORMD::D4  
 Last Calibration: 941212 09:46

Compound No : 45  
 Compound Name : C565 Dibenzofuran  
 Scan Number : 1295  
 Retention Time: 18.05 min.  
 Quant Ion : 168.0  
 Area : 3963  
 Concentration : 15.32 ng/ul  
 q-value : 87

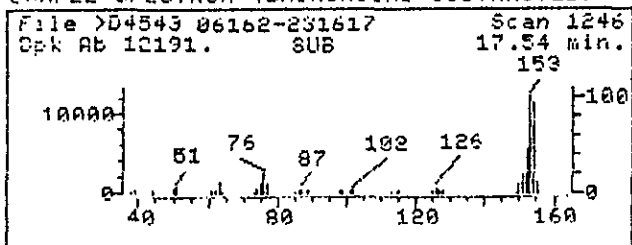
REFERENCE STANDARD SPECTRUM



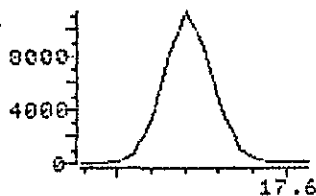
File >D4543 152.7-153.7



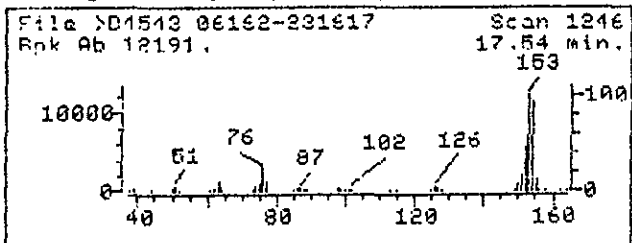
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



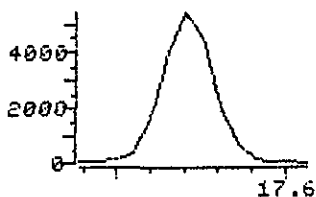
File >D4543 153.7-154.7



SAMPLE SPECTRUM (UNALTERED)



File >D4543 151.7-152.7

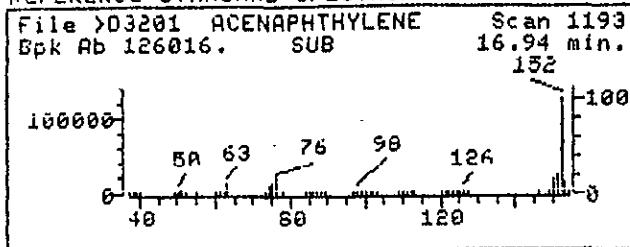


Data File: >D4543::A6  
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 Misc: SB1086M1 12/21/94 EX 12/21 1000ML/1ML 8270 7250  
 Quant Time: 941221 20:11  
 Injected at: 941221 19:29  
 Last Qcal Time: 941221 09:17

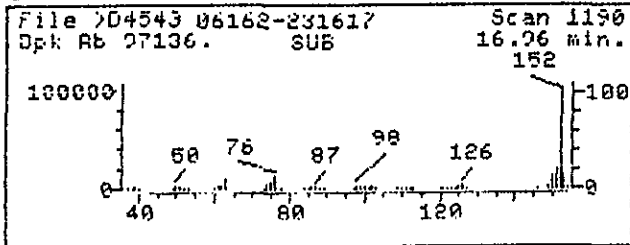
Quant Output File: ^D4543::D3  
 Instrument ID: SEMIUNL2  
 BTI # 7  
 Quant ID File: DFORMD::D4  
 Last Calibration: 941212 09:46

Compound No : 42  
 Compound Name : C550 Acenaphthene  
 Scan Number : 1246  
 Retention Time: 17.54 min.  
 Quant Ion : 153.0  
 Area : 25532  
 Concentration : 151.45 ng/UL  
 q-value : 93

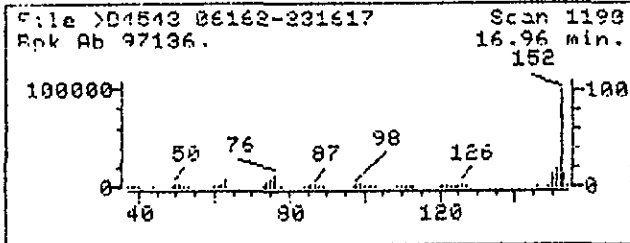
REFERENCE STANDARD SPECTRUM



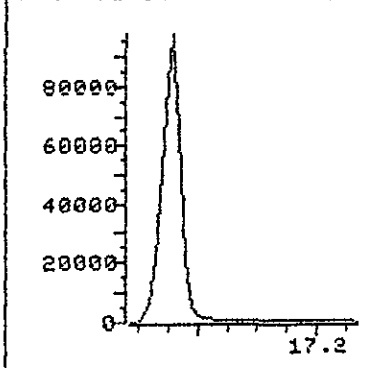
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



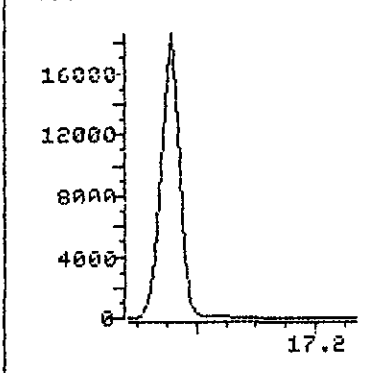
SAMPLE SPECTRUM (UNALTERED)



File >D4543 151.7-152.7



File >D4543 150.7-151.7



Data File: >D4543::A6  
Name: 06162-231617 X10  
Misc: SB1086W1 12/21/94 EX 12/21 1000ML/1ML 8270 7250  
Quant Time: 941221 20:11  
Injected at: 941221 19:29  
Last Qcal Time: 941221 09:17

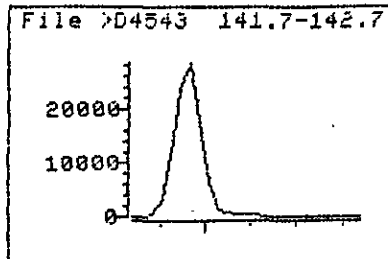
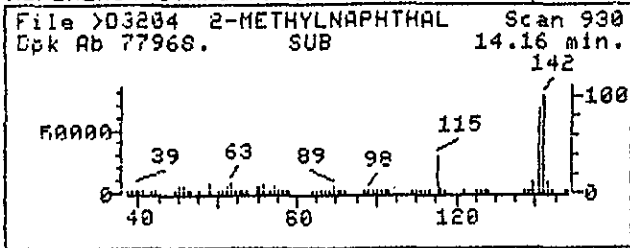
Quant Output File: ^D4543::D3  
Instrument ID: SEMI00L2  
BTI # 7  
Quant ID File: DFORMD::D4  
Last Calibration: 941212 09:46

Compound No : 40  
Compound Name : C540 Acenaphthylene  
Scan Number : 1190  
Retention Time: 16.96 min.  
Quant Ion : 152.0  
Area : 223614  
Concentration : 774.76 ng/ul  
q-value : 92

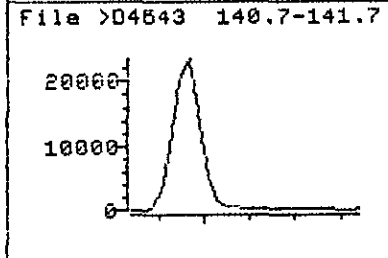
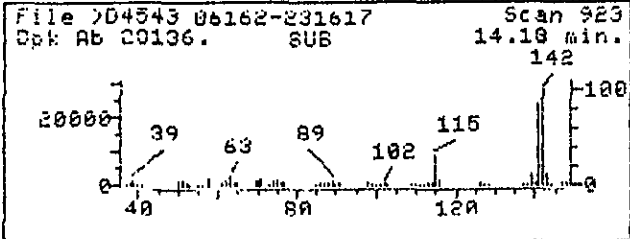
- EXCEEDS CALIBRATION -



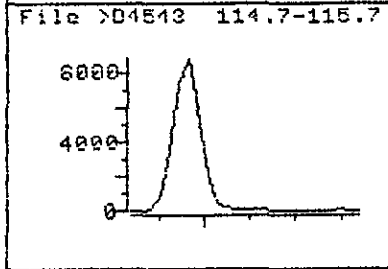
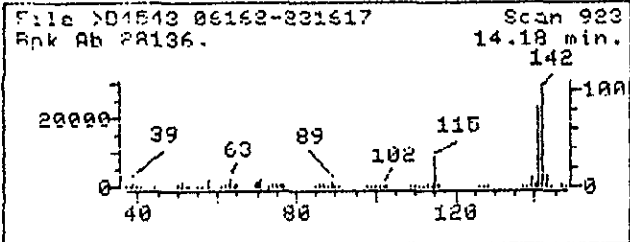
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



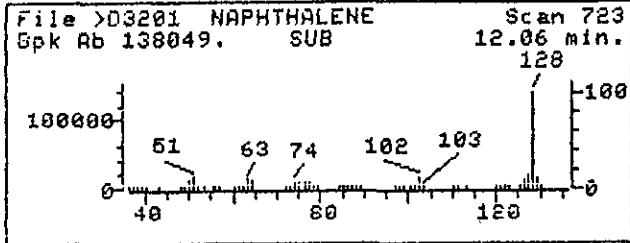
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 Misc: SR1086W1 12/21/94 EX 12/21 1000ML/1ML 8270 7250  
 Quant Time: 941221 20:11  
 Injected at: 941221 19:29  
 Last Qcal Time: 941221 09:17

Quant Output File: ^D4543::D3  
 Instrument ID: SEMI00L2  
 BTI # 7  
 Quant ID File: DFORMD::D4  
 Last Calibration: 941212 09:46

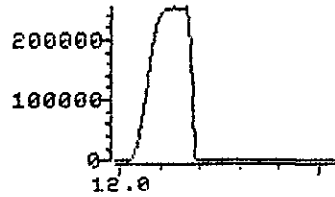
Compound No : 31  
 Compound Name : C470 2-Methylnaphthalene  
 Scan Number : 923  
 Retention Time: 14.18 min.  
 Quant Ion : 142.0  
 Area : 60409  
 Concentration : 376.77 ng/uL  
 q-value : 86

— EXCEEDS CALIBRATION —

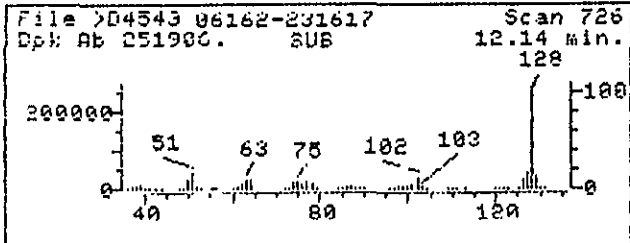
REFERENCE STANDARD SPECTRUM



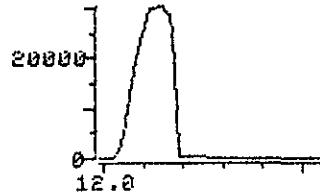
File >D4543 127.7-128.7



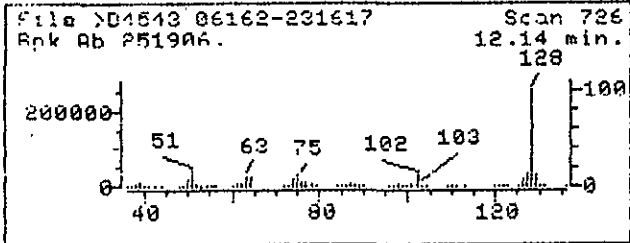
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



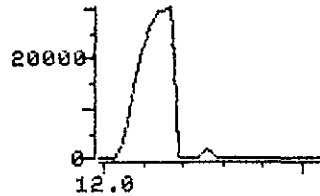
File >D4543 128.7-129.7



SAMPLE SPECTRUM (UNALTERED)



File >D4543 101.7-102.7



Data File: >D4543::A6  
 Name: 06162-231617 X10  
 Misc: SB1086W1 12/21/94 EX 12/21 1000ML/1ML 8270 7250  
 Quant Time: 941221 20:11  
 Injected at: 941221 19:29  
 Last Qual Time: 941221 09:17

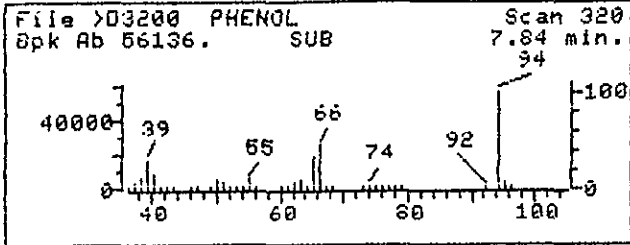
Quant Output File: ^D4543::D3  
 Instrument ID: SEMIUDL2  
 Quant ID File: DFNRMD::D4  
 Last Calibration: 941212 09:46

Compound No : 27  
 Compound Name : C450 Naphthalene  
 Scan Number : 726  
 Retention Time: 12.14 min.  
 Quant Ion : 128.0  
 Area : 1727711  
 Concentration : 7204.74 ng/uL  
 q-value : 96

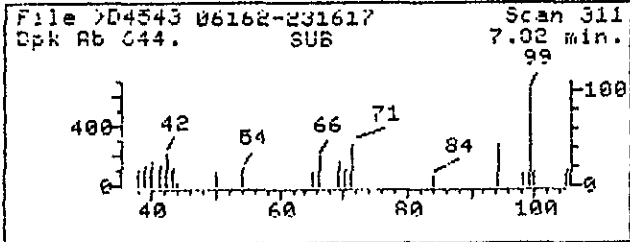
- EXCEEDS CALIBRATION -

SEE ^B1722 (100x dil)

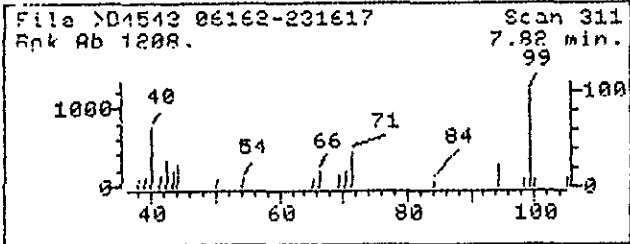
REFERENCE STANDARD SPECTRUM



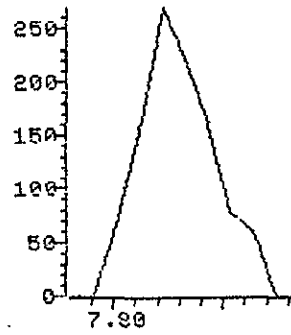
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



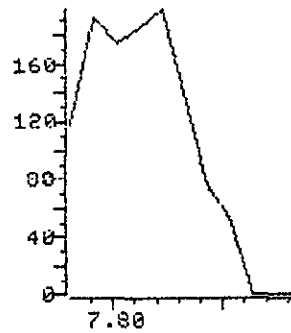
SAMPLE SPECTRUM (UNALTERED)



File >D4543 93.7-94.7 am



File >D4543 65.7-66.7 am

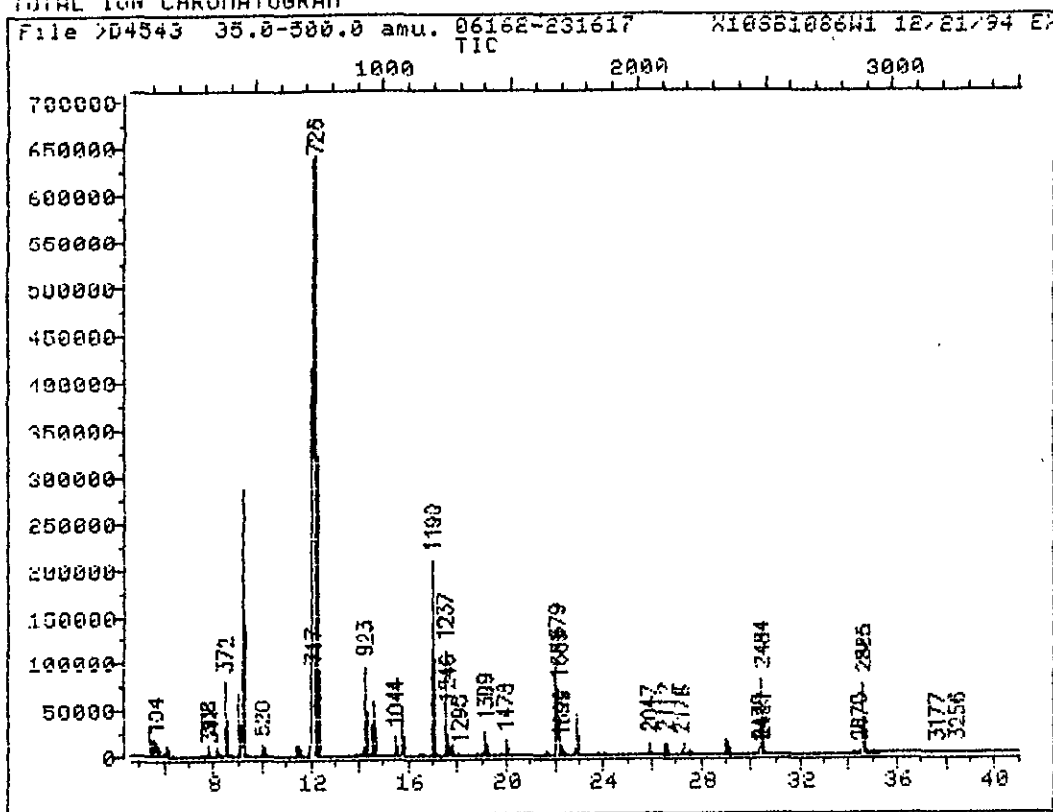


Data File: >D4543::A6  
Name: 06162-231617 X10  
Misc: SB1086M1 12/21/94 EX 12/21 1000ML/1ML 8270 7250  
Quant Time: 941221 20:11  
Injected at: 941221 19:29  
Last Qcal Time: 941221 09:17

Quant Output File: ^D4543::D3  
Instrument ID: SEMIUDL2  
BTI # 7  
Quant ID File: DFNRMD::04  
Last Calibration: 941212 09:46

Compound No : 5  
Compound Name : C315 Phenol  
Scan Number : 311  
Retention Time: 7.82 min.  
Quant Ion : 94.0  
Area : 629  
Concentration : 5.04 ng/uL  
q-value : 84

TOTAL ION CHROMATOGRAM



Data File: >D4543::A6                      Quant Output File: ^D4543::D3  
 Name: 06162-231617                      X10                      Instrument ID: SEMIVOL2  
 Misc: SB1086W1 12/21/94 EX 12/21 1000ML/1ML 8270 7250                      BTI # 7

Id File: DFORMD::D4  
 Title: HP BNA Standards for 5 point Calibration Curve Rev. E  
 Last Calibration: 941212 09:46                      Last Qual Time: 941221 09:17

Operator ID: SUSAN  
 Quant Time : 941221 20:11  
 Injected at: 941221 19:29

QUANT REPORT

Operator ID: SUSAN                      Quant Rev: 7            Quant Time: 941221 20:11  
 Output File: ^D4543::D3                      Injected at: 941221 19:29  
 Data File: >D4543::A6                      Dilution Factor: (10) 00000  
 Name: 06162-231617                      X10                      Instrument ID: SEMI 2  
 Misc: SB1086W1 12/21/94 EX 12/21 1000ML/1ML 8270 7250                      BTL# 7

ID File: DFORMD::D4

Title: HP BNA Standards for 5 point Calibration Curve Rev. E

Last Calibration: 941212 09:46

Last Qual Time: 941221 09:17

	Compound	R.T.	Scan#	Area	Conc	Units
1)	*C130 d4-1,4-Dichlorobenzene	8.46	372	30046	40.00	ng/uL
2)	C550 2-Fluorophenol	5.67	104	9848	118.79	ng/uL
3)	C545 Phenol-d6	7.79	308	10071	96.30	ng/uL
5)	C315 Phenol	7.82	311	629	5.04	ng/uL
17)	*C140 d8-Naphthalene	12.04	717	91057	40.00	ng/uL
18)	C520 Nitrobenzene-d5	9.99	520	8152	88.89	ng/uL
27)	C450 Naphthalene SEE ^B1722	12.14	726	1727711	7204.74	ng/uL
31)	C470 2-Methylnaphthalene SEE ^B1728	14.18	923	60409	376.77	ng/uL
32)	*C150 d10-Acenaphthene	17.45	1237	60759	40.00	ng/uL
37)	C925 2-Fluorobiphenyl	15.44	1044	15536	82.40	ng/uL
40)	C540 Acenaphthylene SEE ^B1728	16.96	1190	223614	774.26	ng/uL
42)	C550 Acenaphthene	17.54	1244	25532	151.45	ng/uL
45)	C565 Dibenzofuran	18.05	1295	3963	15.32	ng/uL
50)	C590 Fluorene	19.13	1399	21030	107.02	ng/uL
52)	C555 2,4,6-Tribromophenol	19.95	1478	4879	162.79	ng/uL
53)	*C160 d10-Phenanthrene	22.04	1679	94298	40.00	ng/uL
64)	C640 Phenanthrene SEE ^B1728	22.11	1686	72072	261.53	ng/uL
65)	C645 Anthracene	22.25	1699	10578	36.70	ng/uL
70)	C655 Fluoranthene	25.86	2047	14978	50.49	ng/uL
71)	*C170 d12-Chrysene	30.40	2484	81914	40.00	ng/uL
73)	C715 Pyrene	26.54	2112	17116	60.79	ng/uL
78)	C530 Terphenyl-d14	27.23	2178	10796	62.66	ng/uL
86)	C730 benzo(a)Anthracene	30.35	2479	1800	7.17 J	ng/uL
88)	C740 Chrysene	30.48	2491	4271	19.99	ng/uL
89)	*C175 d12-Perylene	34.57	2885	78680	40.00	ng/uL
93)	C775 benzo(a)Pyrene	34.41	2870	1902	8.53 J	ng/uL
94)	C780 indeno(1,2,3-cd)Pyrene	37.60	3177	1062	4.38	ng/uL
96)	C790 benzo(g,h,i)Perylene	38.43	3256	1524	7.27 J	ng/uL

\* Compound is ISTD

ENT. 12-29

AC 12-29-94

SG 113195