

APPENDIX D

**GEOPROBE MACRO CORE
SOIL GAS SURVEY CHROMATOGRAPHS**

**SITE INVESTIGATION REPORT
AND
REMEDIAL ACTION REPORT**

**N Y S D E C
1996 CLEAN WATER / CLEAN AIR BOND ACT
ENVIRONMENTAL RESTORATION PROJECTS
TITLE 5**

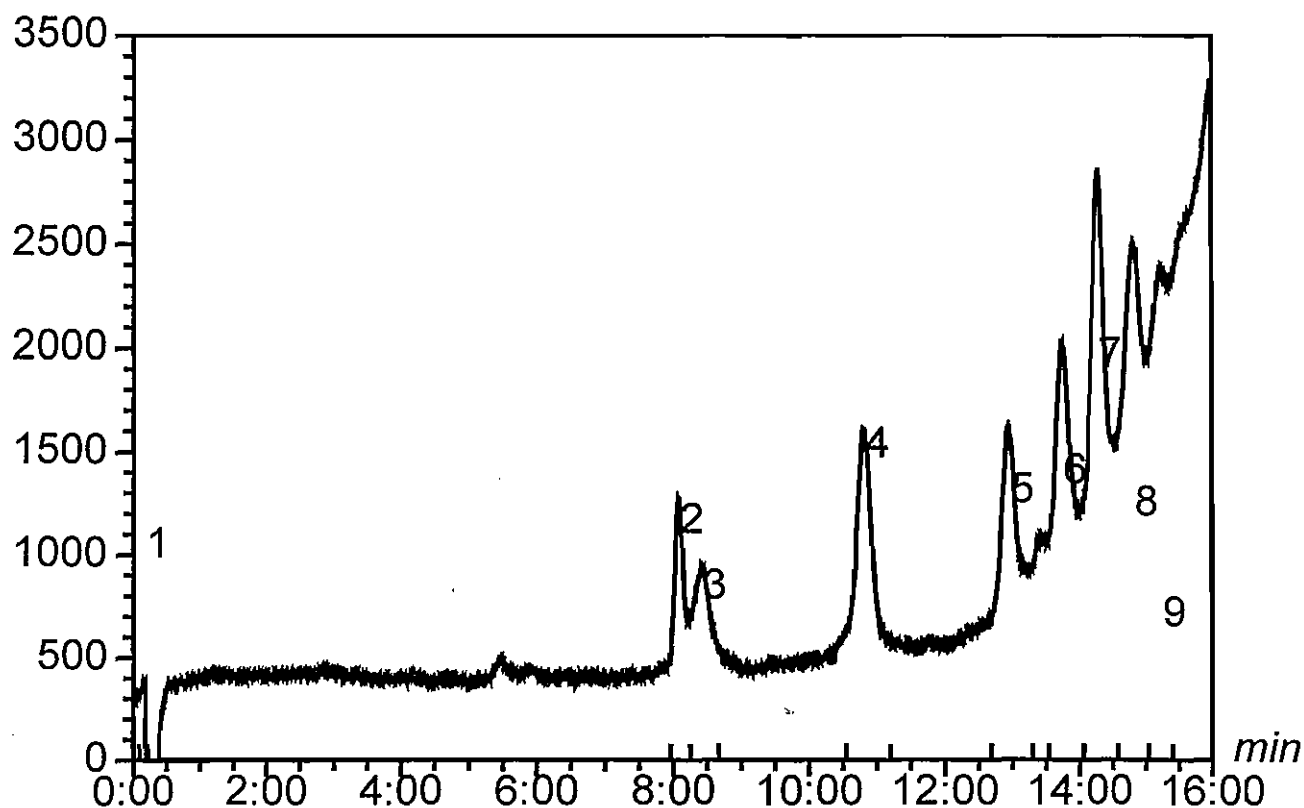
**MUNICIPAL ASSISTANCE BROWNFIELD PROGRAM
ENVIRONMENTAL RESTORATION PROJECT**

**FOR THE
FORMER AMERICAN LAFRANCE SITE
100 LAFRANCE STREET STREET
ELMIRA, NEW YORK**

RECEIVED

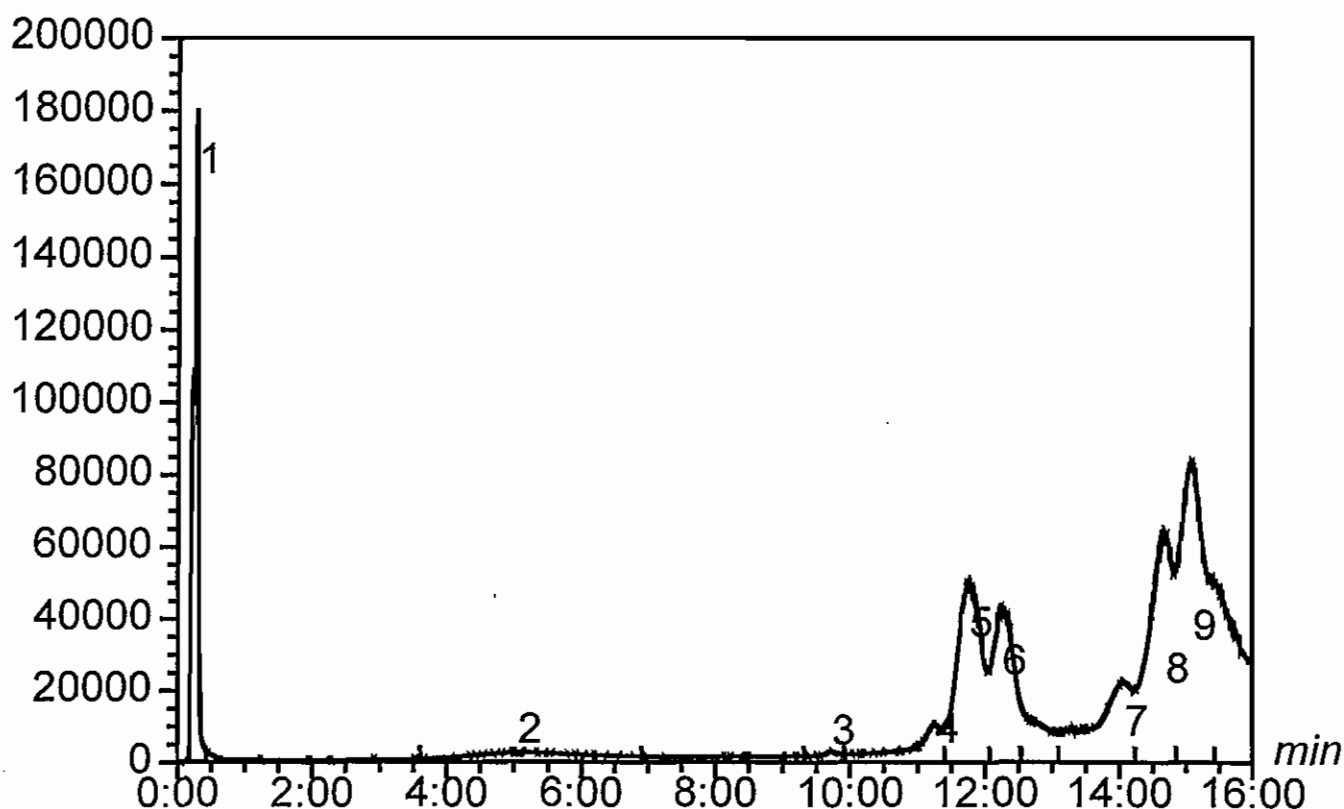
FEB 23 1999

DEPT. OF ENVIRONMENTAL CONSERVATION
BUREAU OF EMISSIONS AND AIR QUALITY



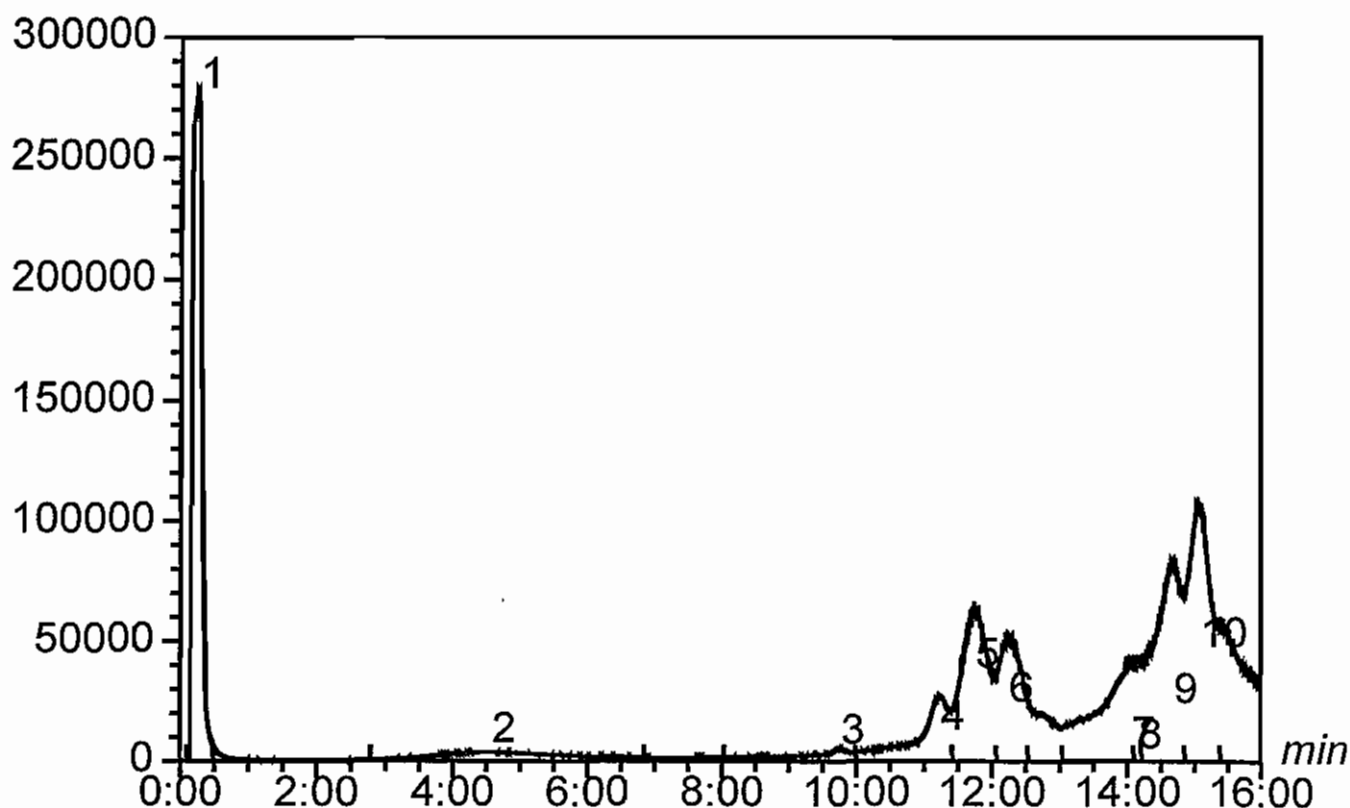
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 Cont. Pump=Off
 311 Plotter=Off 311 TWA=Off 311 STEL=Off
 311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
 Comment:
 Nitrogen Control ☐ *Inject 3ml N₂ from bag*

	Name	Conc	Height	Area	Time
1	unknown		505	0	0:12
2	styrene	1.291	620	197050	8:06
3	unknown		298	235090	8:26
4	unknown		986	502274	10:50
5	unknown		763	560802	12:58
6	unknown		857	701185	13:45
7	unknown		1418	961435	14:18
8	unknown		701	940380	14:50
9	unknown		165	791188	15:15



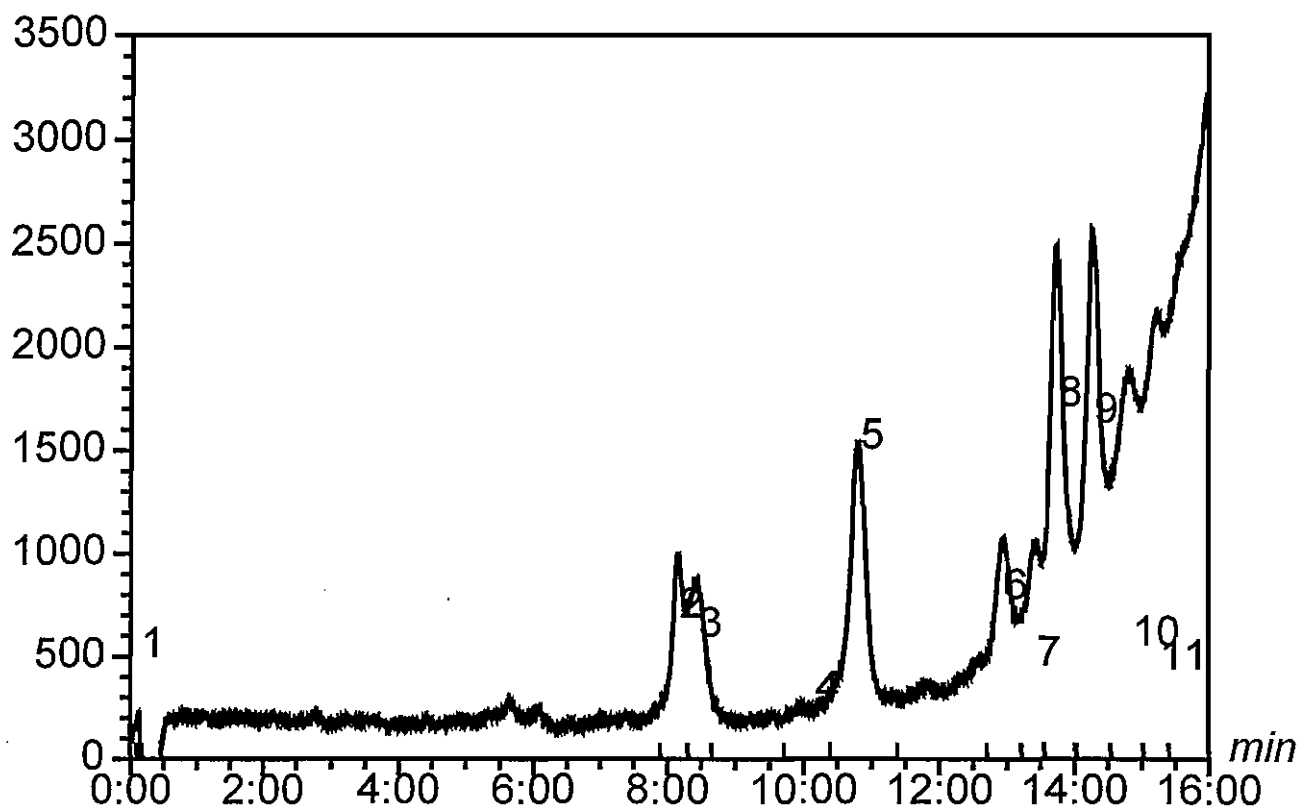
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 Cont. Pump=Off
 311 Plotter=Off 311 TWA=Off 311 STEL=Off
 311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
 Comment:
 Nitrogen Control ☐

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	1.053	158882	16826601	0:17
2	unknown		1484	6329178	5:04
3	unknown		1052	1297509	9:44
4	Carrier Gas Impurity	2.028	1704	6229760	11:16
5	unknown		31263	25003138	11:46
6	unknown		20581	17706668	12:16
7	unknown		3835	16537628	14:05
8	Carrier Gas impurity	9.918	18317	30464760	14:42
9	unknown		30358	43307480	15:06



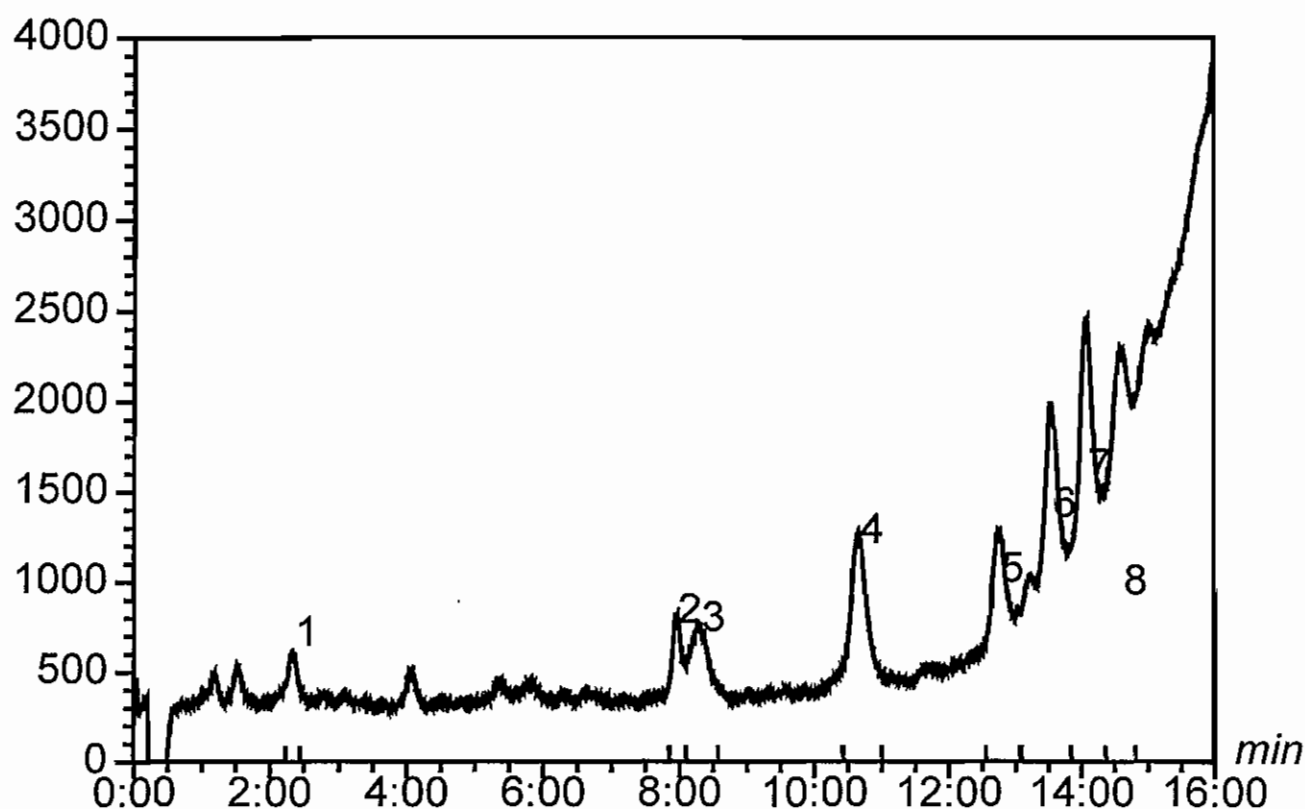
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 Cont. Pump=Off
 311 Plotter=Off 311 TWA=Off 311 STEL=Off
 311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
 Comment:
 control□□

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	3.482	273772	55666240	0:16
2	unknown		2713	11068310	4:36
3	unknown		1976	5658522	9:47
4	Carrier Gas Impurity	5.260	7926	16157572	11:15
5	unknown		33919	33914788	11:46
6	unknown		19828	23240628	12:16
7	unknown		825	27792322	14:04
8	unknown		134	5165616	14:10
9	Carrier Gas impurity	14.564	19204	44737734	14:42
10	unknown		42656	51533302	15:05



INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
 Oven Temp=50 Sample Time=0:20
 Syringe Inj=On Alarms=Off Paper Save=Off
 Cont. Pump=Off
 311 Plotter=Off 311 TWA=Off 311 STEL=Off
 311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
 Comment:
 control□□

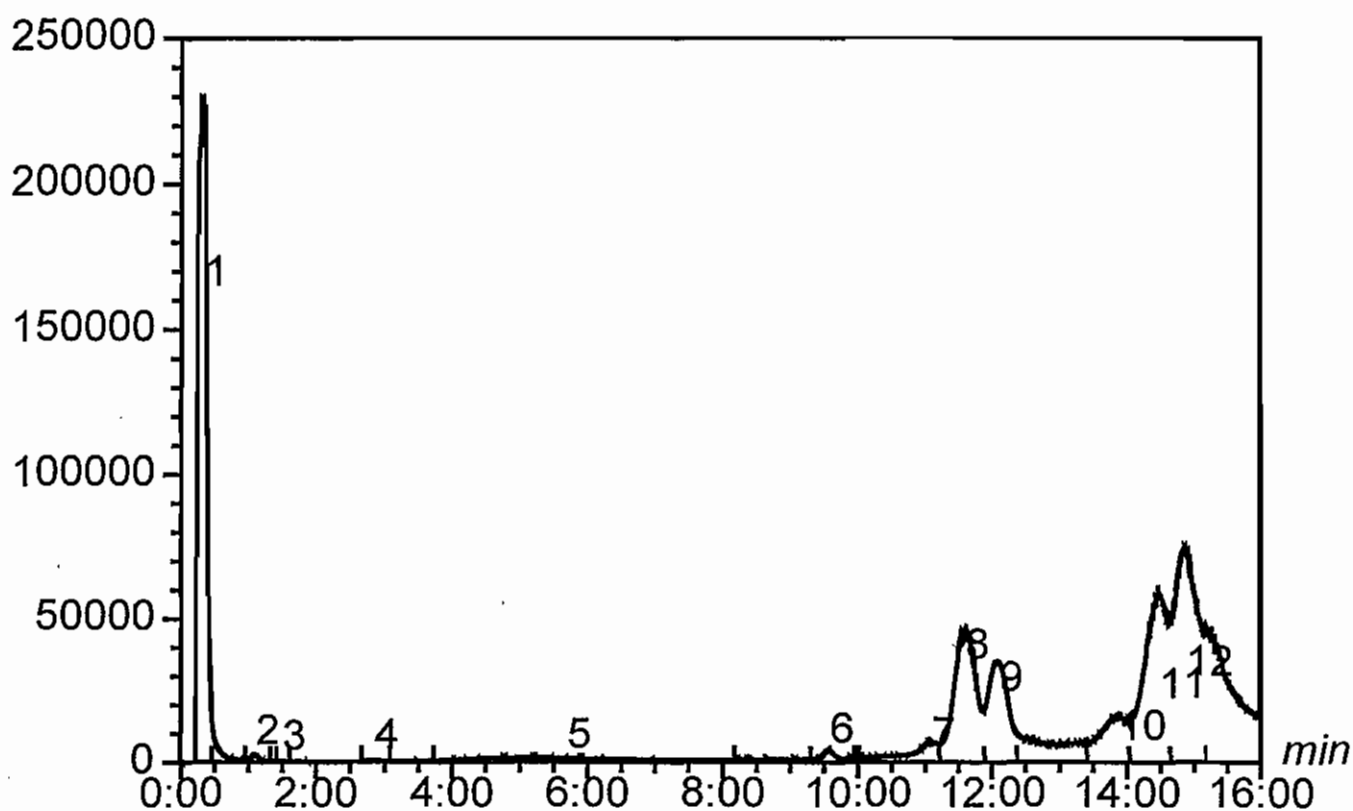
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1	unknown		177	0	0:09
2	styrene	1.470	369	224419	8:11
3	unknown		275	232184	8:27
4	unknown		-40	87738	10:11
5	unknown		1186	584387	10:50
6	unknown		461	386771	12:57
7	Carrier Gas Impurity	1.041	132	299955	13:27
8	unknown		1391	794782	13:45
9	unknown		1312	924567	14:18
10	unknown		233	834593	14:51
11	unknown		119	825187	15:16



INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
 Oven Temp=50 Sample Time=0:20
 Syringe Inj=On Alarms=Off Paper Save=Off
 Cont. Pump=Off
 311 Plotter=Off 311 TWA=Off 311 STEL=Off
 311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
 Comment:
 s-alfb2 8-12 feet

	Name	Conc	Height	Area	Time
1	3-chloropropene	0.110	165	25154	2:22
1	cis-1,2-dichloroethene	0.110	165	25154	2:22
2	p-xylene	0.241	288	66370	7:59
3	styrene	0.715	245	109234	8:19
4	1,2,4-trimethylbenzene	0.772	732	275718	10:41
5	1,3-dichlorobenzene	0.899	517	323876	12:47
6	Carrier Gas Impurity	2.611	879	752310	13:34
7	unknown		1091	803400	14:06
8	Carrier Gas Impurity	2.796	447	805725	14:39

'C:\WPEAK\TO142.JOB' Run #307 10/7/99 4:33PM



INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
s-alfb2 8-12 feet

'C:\WPEAK\TO142.JOB' Run #307 10/7/99 4:33PM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	2.577	160691	41202090	0:20
2	1,2-dichlorotetrafluoroethane	0.021	1923	502710	1:07
3	chloroethane	0.033	101	79418	1:30
4	1,1,2-trichloro-1,2,2-trifluoroethane	0.011	326	148060	2:51
5	carbon tetrachloride	1.755	672	5390886	5:42
6	unknown		2701	1488038	9:36
7	Carrier Gas Impurity	1.283	1118	3941925	11:06
7	Carrier Gas Impurity	1.283	1118	3941925	11:06
8	unknown		31909	20944396	11:36
9	Carrier Gas Impurity	4.646	20352	14270928	12:06
10	unknown		3703	8379130	13:53
11	unknown		18305	26907083	14:29
12	Carrier Gas impurity	12.112	25945	37206306	14:53

'C:\WPEAK\TO142.JOB' Run #307 10/7/99 3:52PM

INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
s-alfb2 8-12 feet missed run aquire-bad run

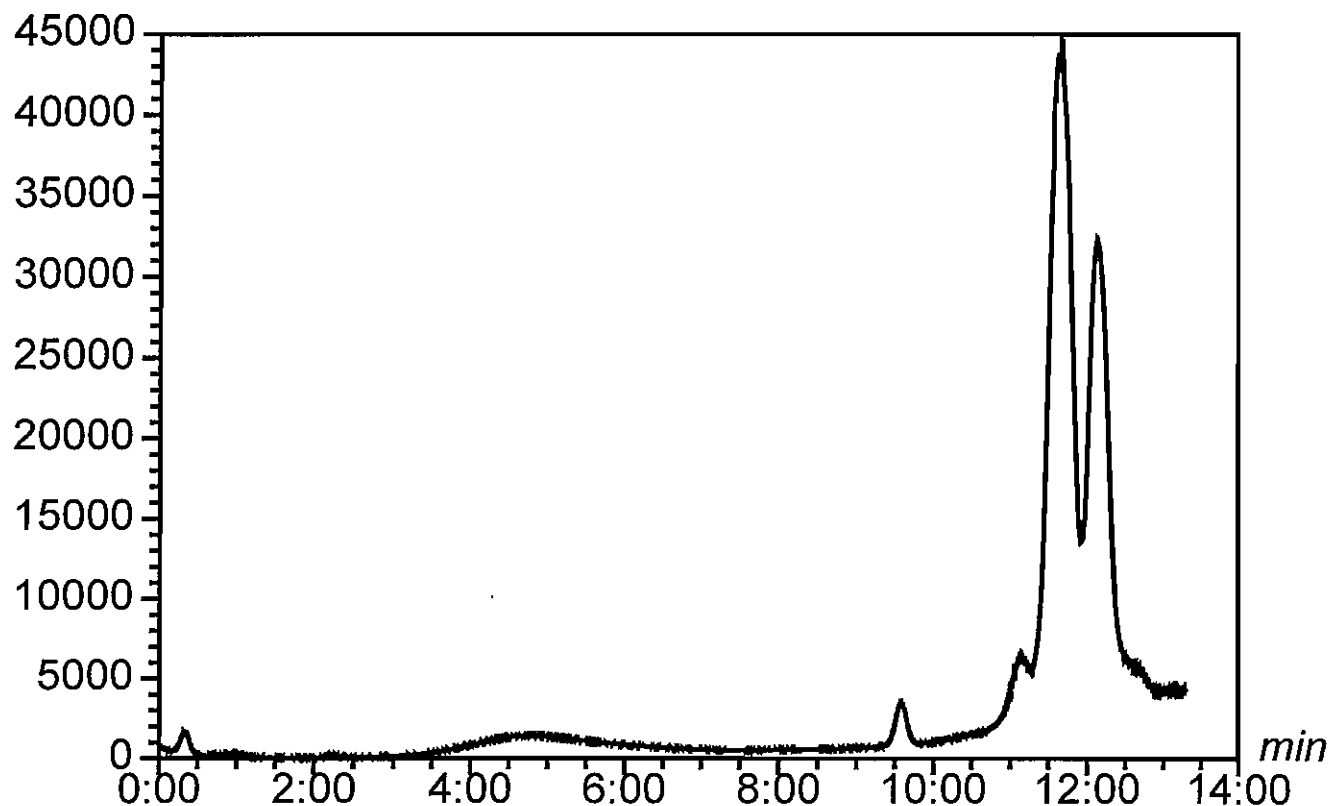
Name	Conc	Height	Area	Time
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'C:\WPEAK\TO142.JOB' Run #307 10/7/99 3:53PM

INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
s-alfb2 8-12 feet missed run aquire-bad run

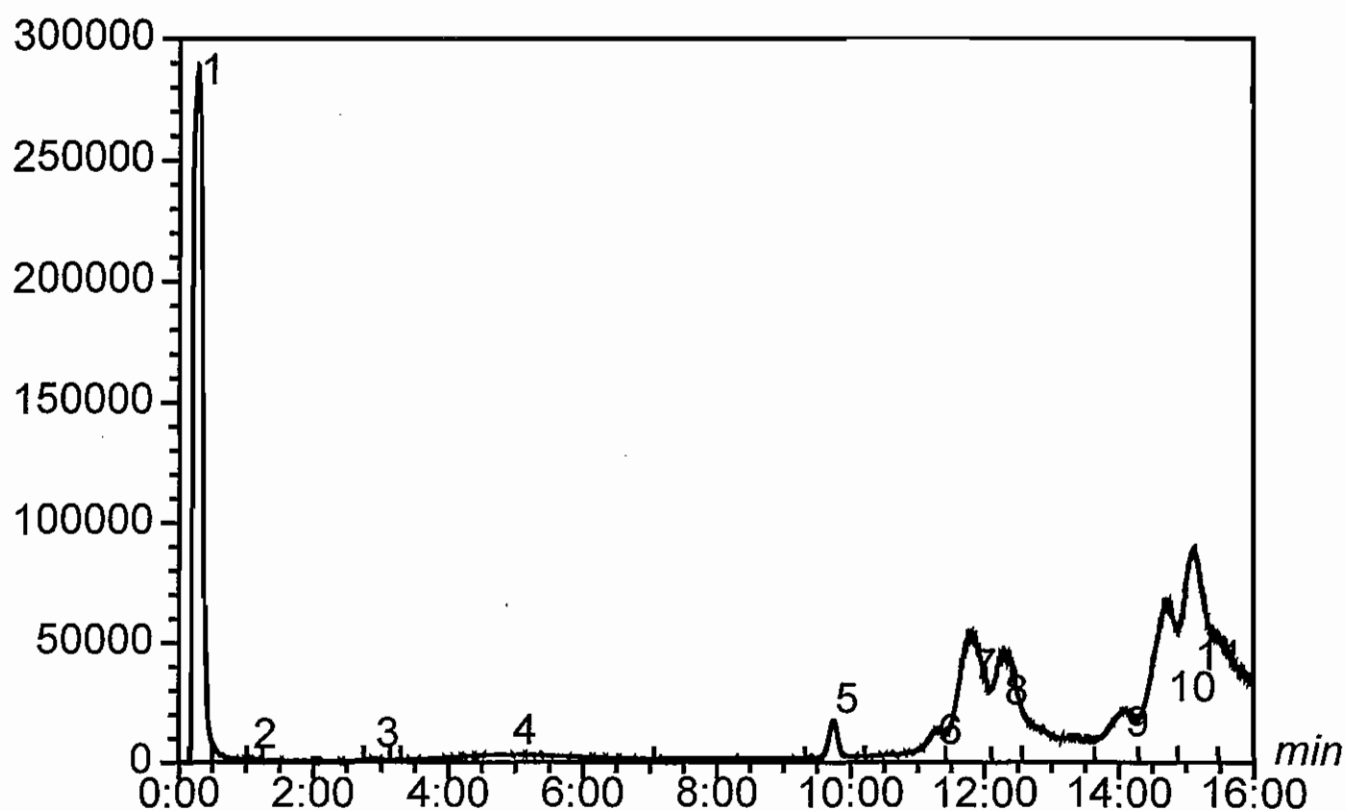
Name	Conc	Height	Area	Time
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INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
s-alfb2 8-12 feet missed run aquire-bad run

'C:\WPEAK\TO142.JOB' Run #305 10/7/99 3:27PM



INJ/DET Temp=180

Oven Temp=50

Syringe Inj=On

Cont. Pump=Off

311 Plotter=Off

311 TWA Cycle=1

Comment:

s-alfb2 4-8 feet

Analysis time=16:00

Sample Time=0:20

Alarms=Off

311 TWA=Off

Calibration Cycle=0

Inject Time=0:10

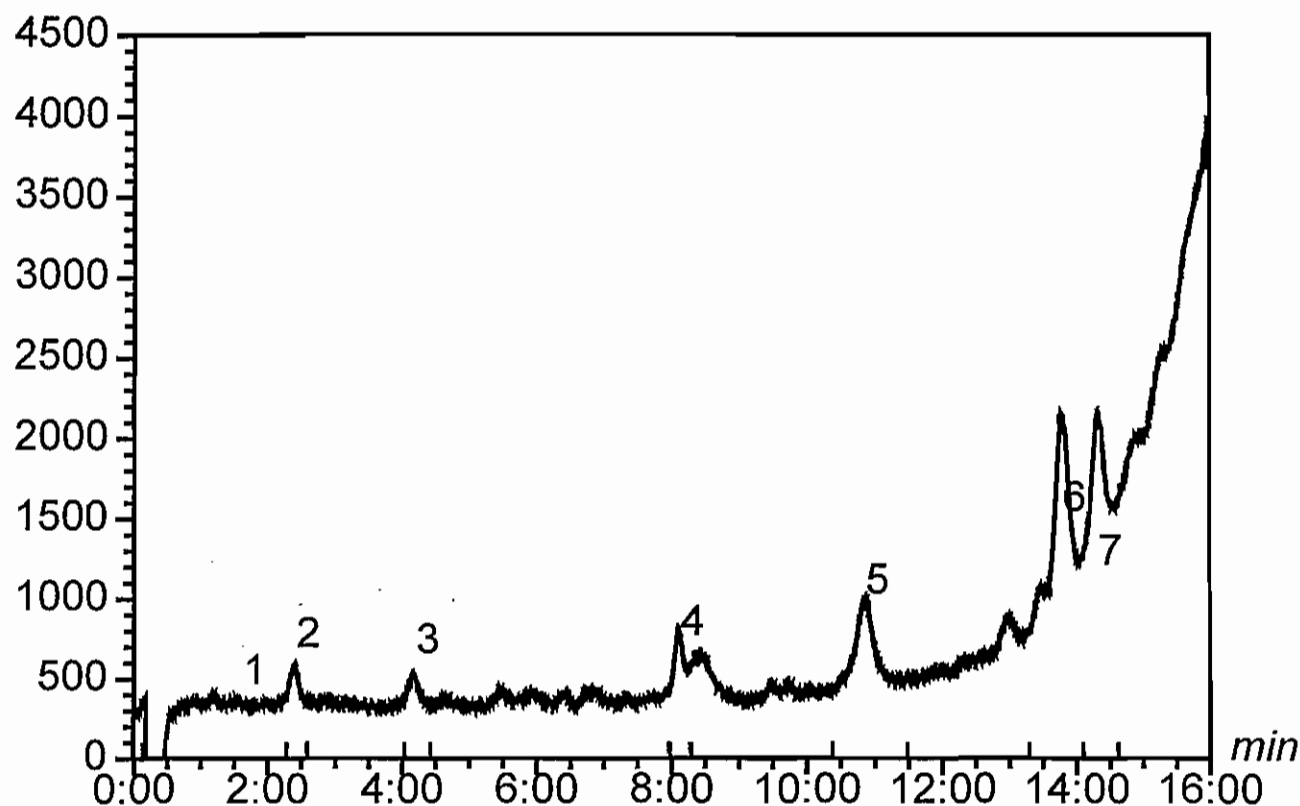
Paper Save=Off

311 STEL=Off

Repeat Cycle=1

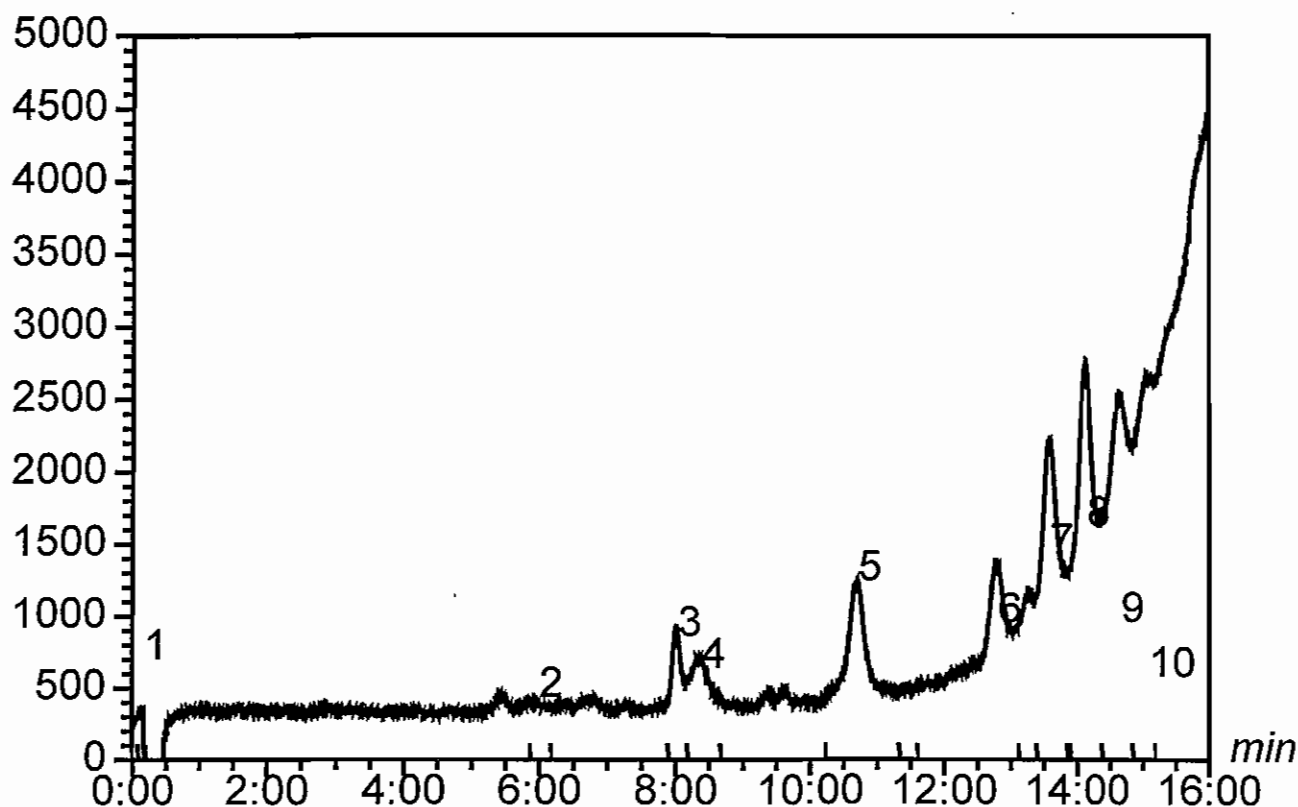
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	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	3.549	275591	56734300	0:18
2	1,2-dichlorotetrafluoroethane	0.010	338	231462	1:07
3	1,1,2-trichloro-1,2,2-trifluoroethane	0.022	560	292365	2:55
4	unknown		1955	8198259	4:58
5	unknown		14949	4550957	9:46
6	Carrier Gas Impurity	2.208	2013	6783897	11:19
7	Carrier Gas Impurity	9.171	29462	28172307	11:50
8	unknown		18341	19978575	12:18
9	unknown		5517	11888564	14:06
10	Carrier Gas impurity	9.974	20009	30638199	14:44
11	unknown		33123	45435587	15:08



INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
 Oven Temp=50 Sample Time=0:20
 Syringe Inj=On Alarms=Off Paper Save=Off
 Cont. Pump=Off
 311 Plotter=Off 311 TWA=Off 311 STEL=Off
 311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
 Comment:
 s-alfb2 4-8 feet

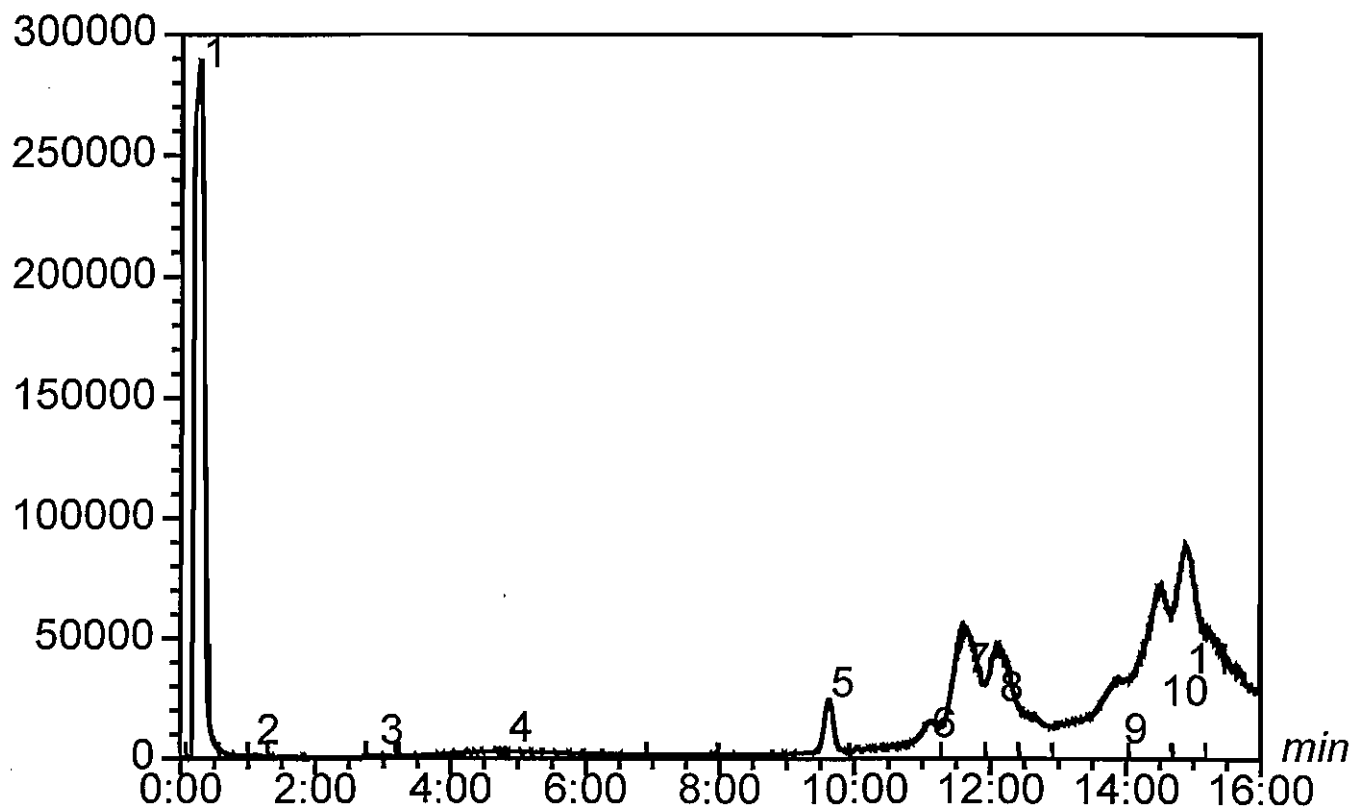
	Name	Conc	Height	Area	Time
1	methylene chloride	0.000	-40	0	1:38
2	3-chloropropene	0.289	186	66202	2:26
2	cis-1,2-dichloroethene	0.289	186	66202	2:26
3	trans-1,3-dichloropropene	0.107	152	63784	4:12
4	styrene	0.785	264	119872	8:08
5	unknown		522	421534	10:52
6	unknown		1040	975239	13:48
7	unknown		708	868070	14:20



INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
 Oven Temp=50 Sample Time=0:20
 Syringe Inj=On Alarms=Off Paper Save=Off
 Cont. Pump=Off
 311 Plotter=Off 311 TWA=Off 311 STEL=Off
 311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
 Comment:
 s-alfb200-4 feet

	Name	Conc	Height	Area	Time
1	unknown		258	0	0:10
2	1,2-dibromoethane	0.149	-6	42935	6:00
3	p-xylene	0.478	417	131557	8:03
4	styrene	1.177	198	179751	8:24
5	1,2,4-trimethylbenzene	1.414	799	504894	10:43
6	1,3-dichlorobenzene	2.246	508	809295	12:49
7	Carrier Gas Impurity	2.582	989	744190	13:36
8	unknown		1181	952590	14:09
9	Carrier Gas Impurity	3.478	516	1002300	14:40
10	unknown		136	876121	15:06

'C:\WPEAK\TO142.JOB' Run #304 10/7/99 3:00PM



INJ/DET Temp=180

Analysis time=16:00

Inject Time=0:10

Oven Temp=50

Sample Time=0:20

Syringe Inj=On

Alarms=Off

Paper Save=Off

Cont. Pump=Off

311 Plotter=Off

311 TWA=Off

311 STEL=Off

311 TWA Cycle=1

Calibration Cycle=0

Repeat Cycle=1

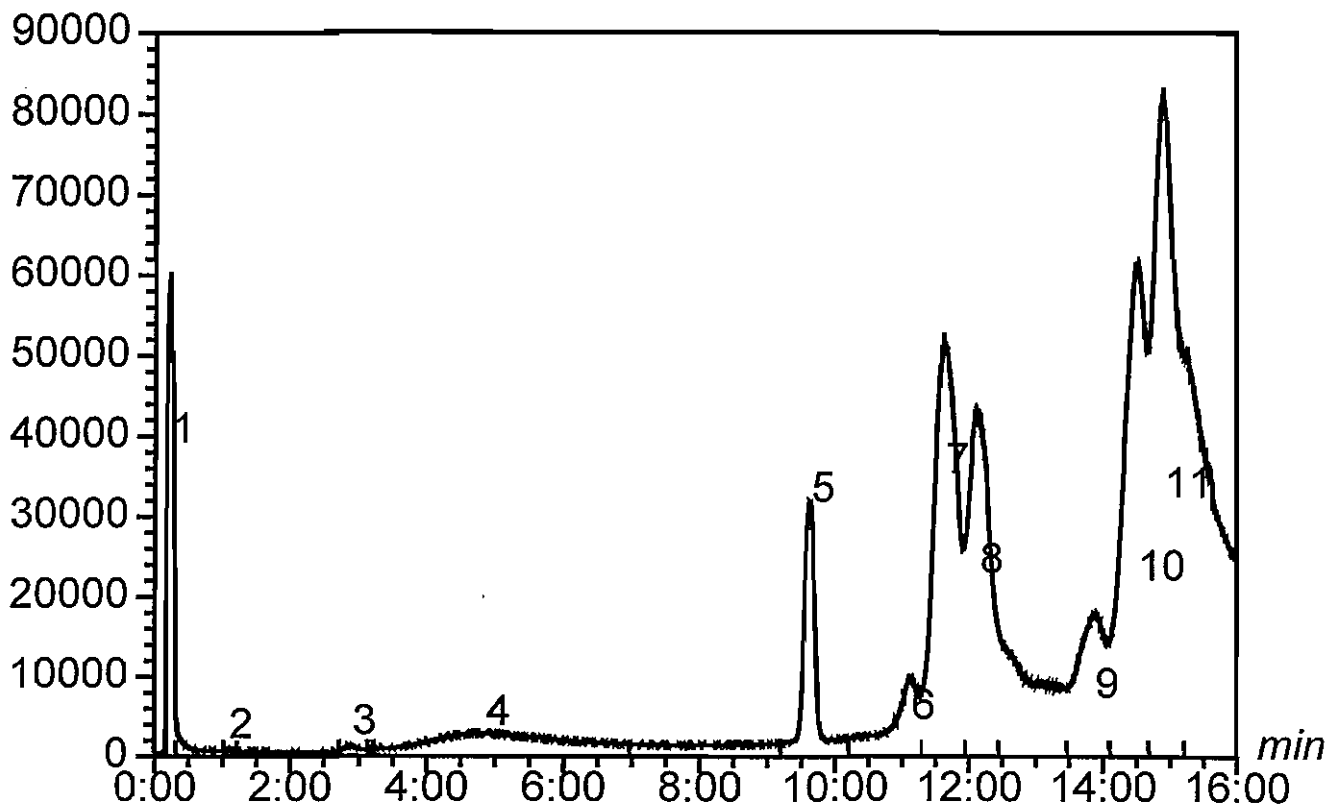
Comment:

s-alfb2 0-4 feet

'C:\WPEAK\TO142.JOB' Run #304 10/7/99 3:00PM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	3.637	280963	58145349	0:18
2	1,2-dichlorotetrafluoroethane	0.012	452	287928	1:08
3	1,1,2-trichloro-1,2,2-trifluoroethane	0.018	241	246449	2:57
4	unknown		1658	7686230	4:52
5	unknown		20485	8341637	9:39
6	Carrier Gas Impurity	3.143	3427	9655530	11:09
6	Carrier Gas Impurity	3.143	3427	9655530	11:09
7	unknown		30318	27863644	11:39
8	Carrier Gas Impurity	6.836	18526	20999850	12:09
9	unknown		1105	25924493	13:58
10	unknown		17108	38526120	14:31
11	Carrier Gas impurity	13.807	30391	42411332	14:54

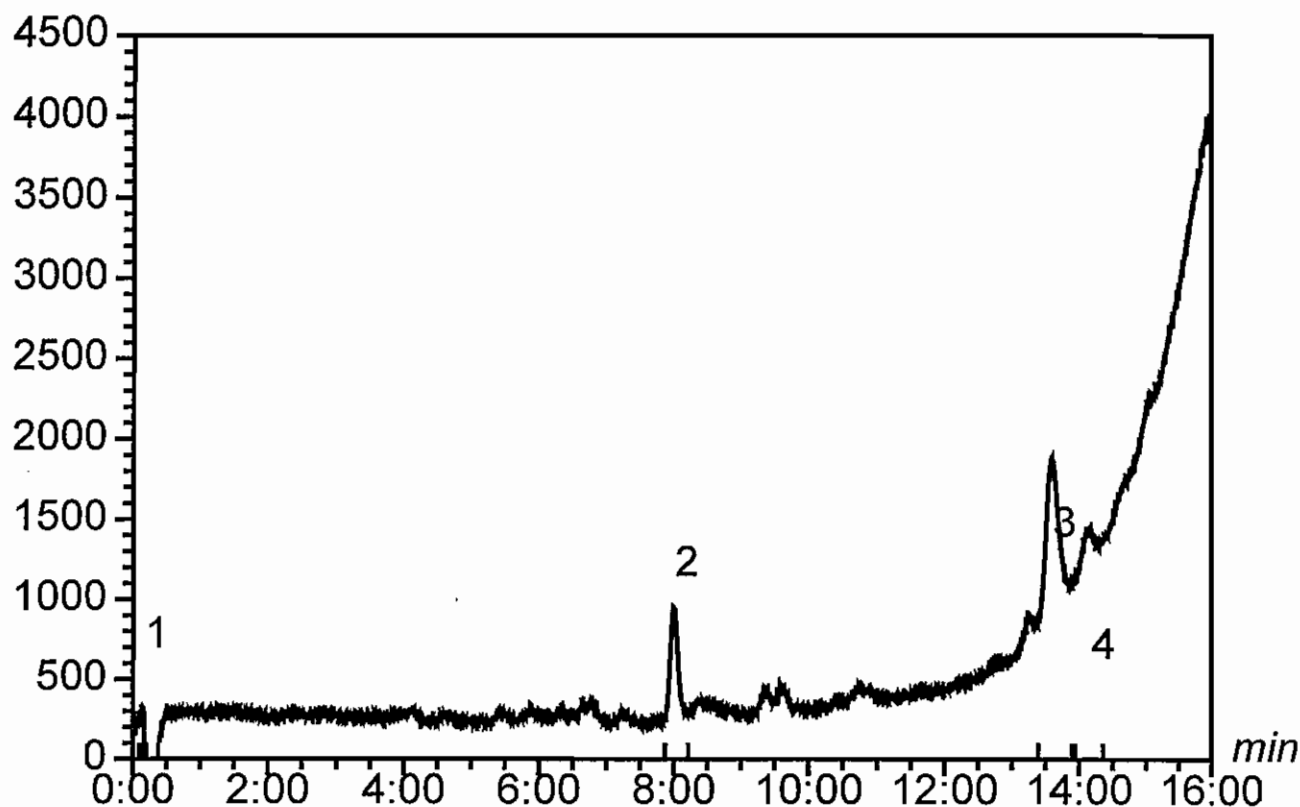
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Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
s-alfb1 8-12 feet 1.0 ml sample in 1000 ml N2

'C:\WPEAK\TO142.JOB' Run #303 10/7/99 2:35PM

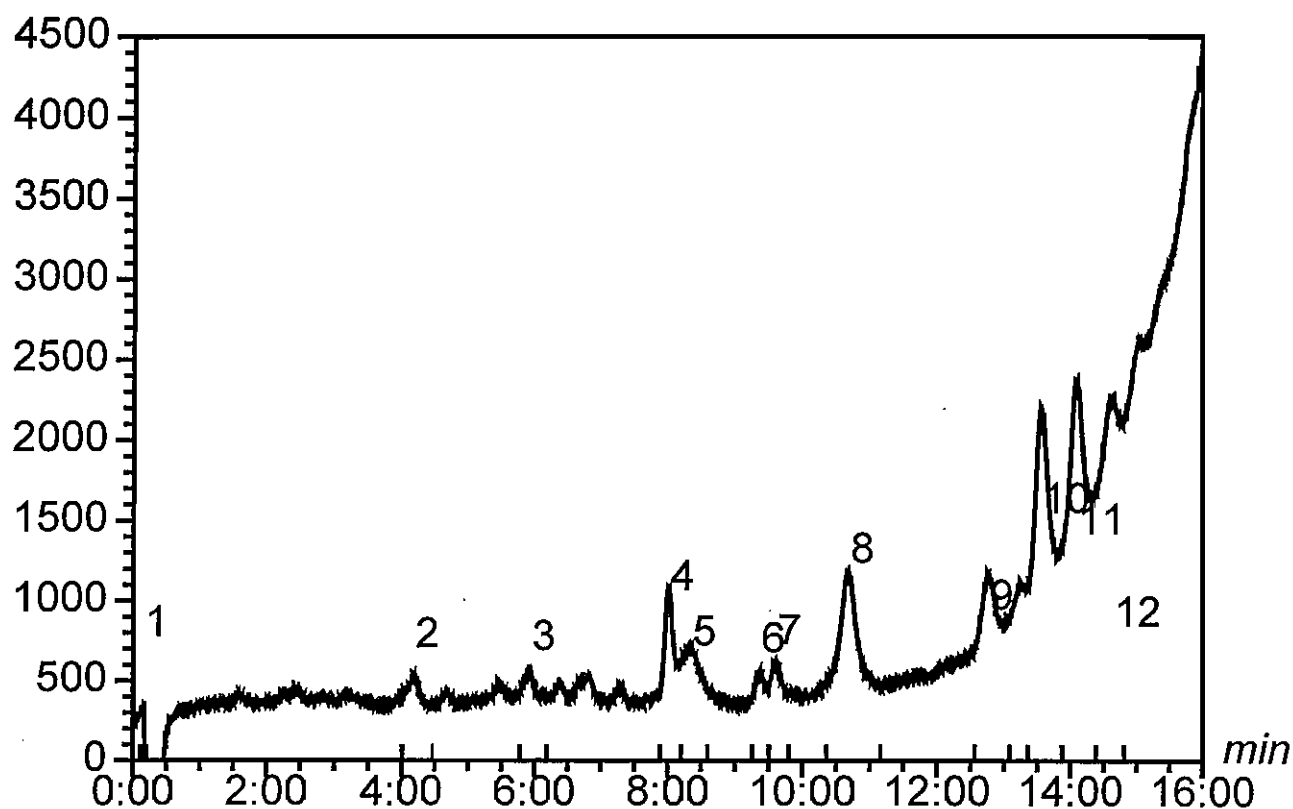
	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	0.452	37013	7232148	0:14
2	1,2-dichlorotetrafluoroethane	0.004	130	84206	1:06
3	1,1,2-trichloro-1,2,2-trifluoroethane	0.019	505	251935	2:54
4	unknown		1721	7134300	4:53
5	unknown		29720	7841385	9:39
6	Carrier Gas Impurity	1.584	2479	4864207	11:09
6	Carrier Gas Impurity	1.584	2479	4864207	11:09
7	unknown		33215	24724392	11:39
8	Carrier Gas Impurity	6.230	20797	19137617	12:10
9	unknown		5193	9792129	13:54
10	unknown		19941	27027058	14:31
11	Carrier Gas impurity	13.136	30320	40350694	14:55



INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
 Oven Temp=50 Sample Time=0:20
 Syringe Inj=On Alarms=Off Paper Save=Off
 Cont. Pump=Off
 311 Plotter=Off 311 TWA=Off 311 STEL=Off
 311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
 Comment:
 s-alfb1 8-12 feet 1.0 ml sample in 1000 ml N2

	Name	Conc	Height	Area	Time
1	unknown		208	0	0:10
2	p-xylene	0.468	654	128612	8:01
3	Carrier Gas Impurity	2.354	902	678529	13:36
4	unknown		141	532115	14:11

'C:\WPEAK\TO142.JOB' Run #302 10/7/99 2:03PM



INJ/DET Temp=180

Oven Temp=50

Syringe Inj=On

Cont. Pump=Off

311 Plotter=Off

311 TWA Cycle=1

Comment:

s-alfb1 4-8 feet

Analysis time=16:00

Sample Time=0:20

Alarms=Off

311 TWA=Off

Calibration Cycle=0

Inject Time=0:10

Paper Save=Off

311 STEL=Off

Repeat Cycle=1

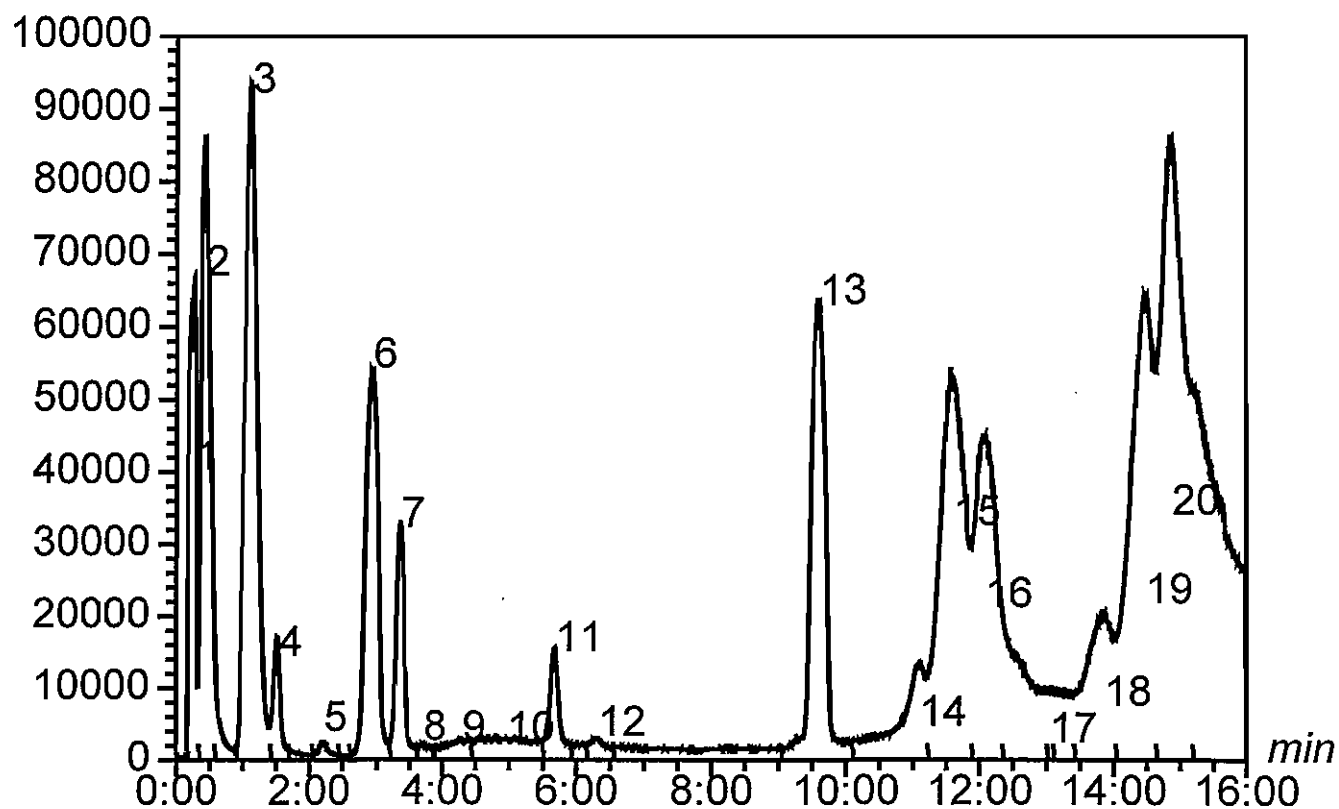
'C:\WPEAK\TO142.JOB' Run #302 10/7/99 2:03PM

	Name	Conc	Height	Area	Time
1	unknown		207	0	0:10
2	trans-1,3-dichloropropene	0.153	136	91145	4:12
3	1,2-dibromoethane	0.340	119	97845	5:57
4	p-xylene	0.622	496	171042	8:03
5	styrene	1.106	149	168937	8:22
6	o-xylene	0.627	107	67070	9:24
6	4-methyltoluene	0.410	107	67070	9:24
7	4-methyltoluene	0.555	157	90874	9:38
7	1,3,5-trimethylbenzene	0.085	157	90874	9:38
8	1,2,4-trimethylbenzene	1.185	668	423175	10:42
9	1,3-dichlorobenzene	1.157	376	416721	12:47
10	Carrier Gas Impurity	2.705	982	779527	13:34
11	unknown		849	901495	14:06
12	Carrier Gas Impurity	2.992	273	862153	14:39

'C:\WPEAK\TO142.JOB' Run #302 10/7/99 2:03PM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	3.629	278625	58010255	0:18
2	1,2-dichlorotetrafluoroethane	0.008	243	189800	1:08
3	1,1,2-trichloro-1,2,2-trifluoroethane	0.028	959	375035	2:58
4	unknown		566	4854180	5:11
5	carbon tetrachloride	0.162	153	496103	5:44
6	unknown		41160	11693880	9:39
7	Carrier Gas Impurity	2.157	2469	6626532	11:09
7	Carrier Gas Impurity	2.157	2469	6626532	11:09
8	unknown		30866	27966319	11:38
9	Carrier Gas Impurity	6.638	20175	20389725	12:08
10	unknown		4836	16638868	13:54
11	unknown		20278	32057449	14:30
12	Carrier Gas impurity	13.509	32011	41495986	14:53

'C:\WPEAK\TO142.JOB' Run #301 10/7/99 1:36PM



INJ/DET Temp=180

Analysis time=16:00

Inject Time=0:10

Oven Temp=50

Sample Time=0:20

Syringe Inj=On

Alarms=Off

Paper Save=Off

Cont. Pump=Off

311 Plotter=Off

311 TWA=Off

311 STEL=Off

311 TWA Cycle=1

Calibration Cycle=0

Repeat Cycle=1

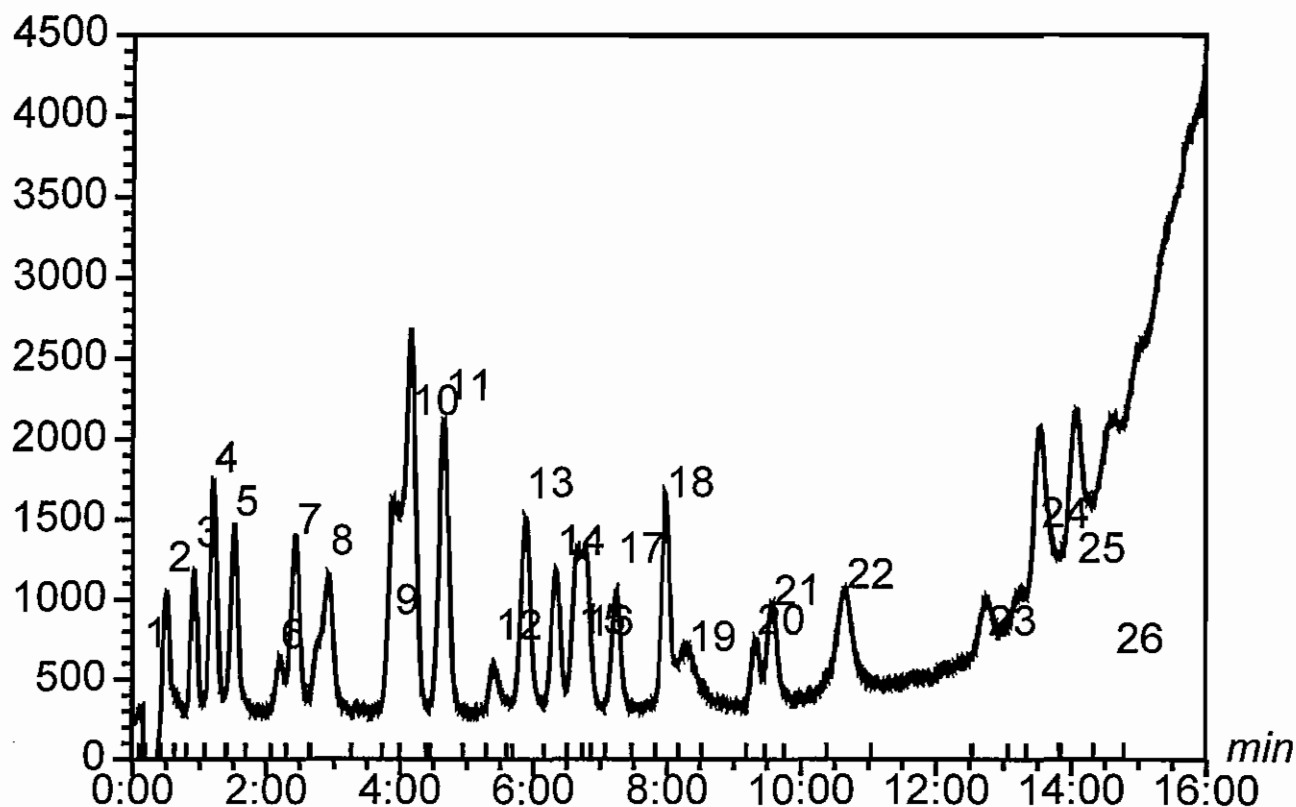
Comment:

calibration 0-20 ppm TO-14

'C:\WPEAK\TO142.JOB' Run #301 10/7/99 1:36PM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	0.437	38060	8863699	0:17
2	dichlorodifluoromethane	0.788	64760	15986419	0:27
2	chloromethane	0.788	64760	15986419	0:27
3	1,2-dichlorotetrafluoroethane	0.733	89858	23597480	1:08
4	chloroethane	0.588	12189	2436268	1:33
5	trichlorofluoromethane	0.118	1742	435306	2:14
6	1,1,2-trichloro-1,2,2-trifluoroethane				
		0.382	52016	13498089	2:57
7	1,1-dichloroethane	0.273	29975	5777778	3:23
8	chloroform	0.039	382	400909	3:43
9	1,1,1-trichloroethane	0.844	347	1145707	4:18
10	unknown		267	2822772	4:59
11	carbon tetrachloride	0.590	12809	3071758	5:42
12	1,2-dichloropropane	0.739	1067	910057	6:20
13	unknown		60729	19108919	9:36
14	Carrier Gas Impurity	1.248	2434	6501105	11:06
14	Carrier Gas Impurity	1.248	2434	6501105	11:06
15	unknown		30250	27263353	11:37
16	Carrier Gas Impurity	3.741	18929	19489389	12:06
17	unknown		131	1051007	13:03
18	unknown		5300	10660270	13:52
19	unknown		19566	29807132	14:29
20	Carrier Gas impurity	8.205	31861	42746500	14:53

'C:\WPEAK\TO142.JOB' Run #301 10/7/99 1:36PM



INJ/DET Temp=180

Oven Temp=50

Syringe Inj=On

Cont. Pump=Off

311 Plotter=Off

311 TWA Cycle=1

Comment:

calibration 0-20 ppm TO-14

Analysis time=16:00

Sample Time=0:20

Alarms=Off

311 TWA=Off

Calibration Cycle=0

Inject Time=0:10

Paper Save=Off

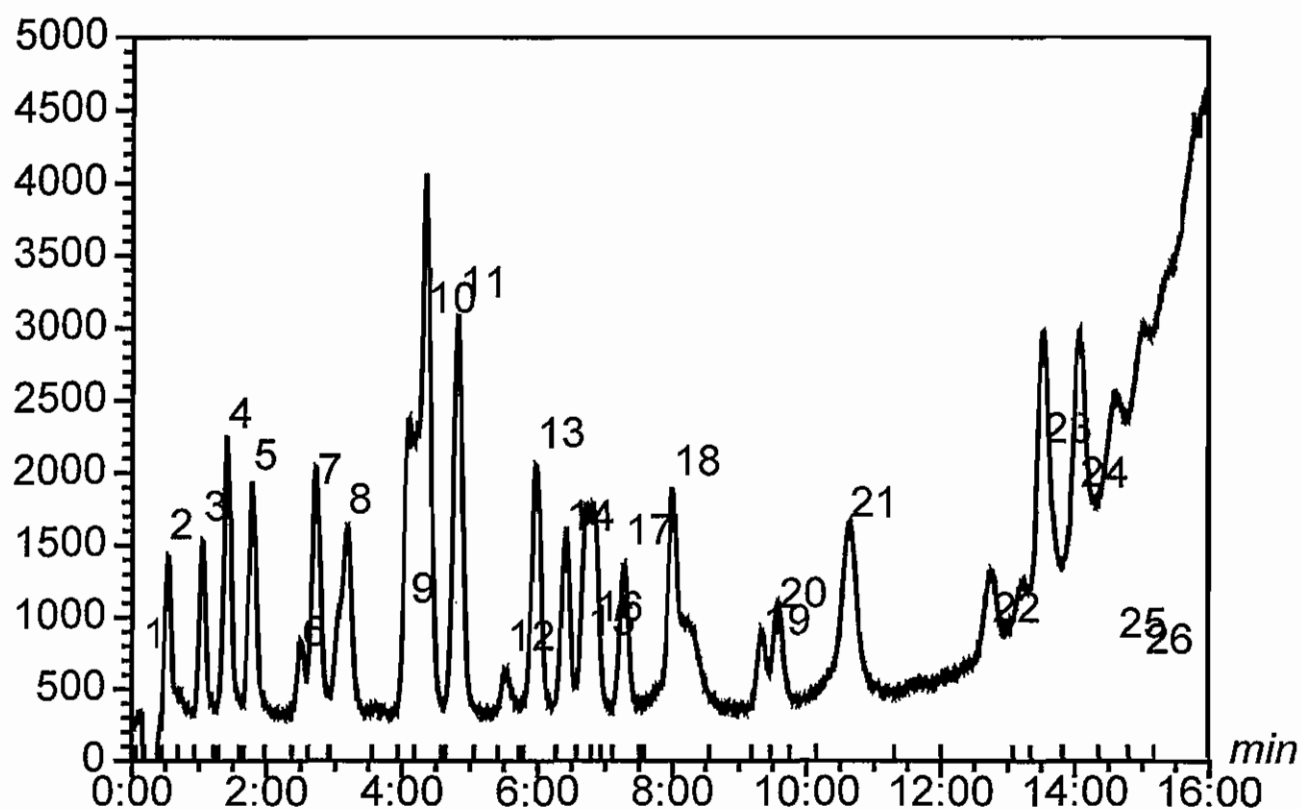
311 STEL=Off

Repeat Cycle=1

'C:\WPEAK\TO142.JOB' Run #301 10/7/99 1:36PM

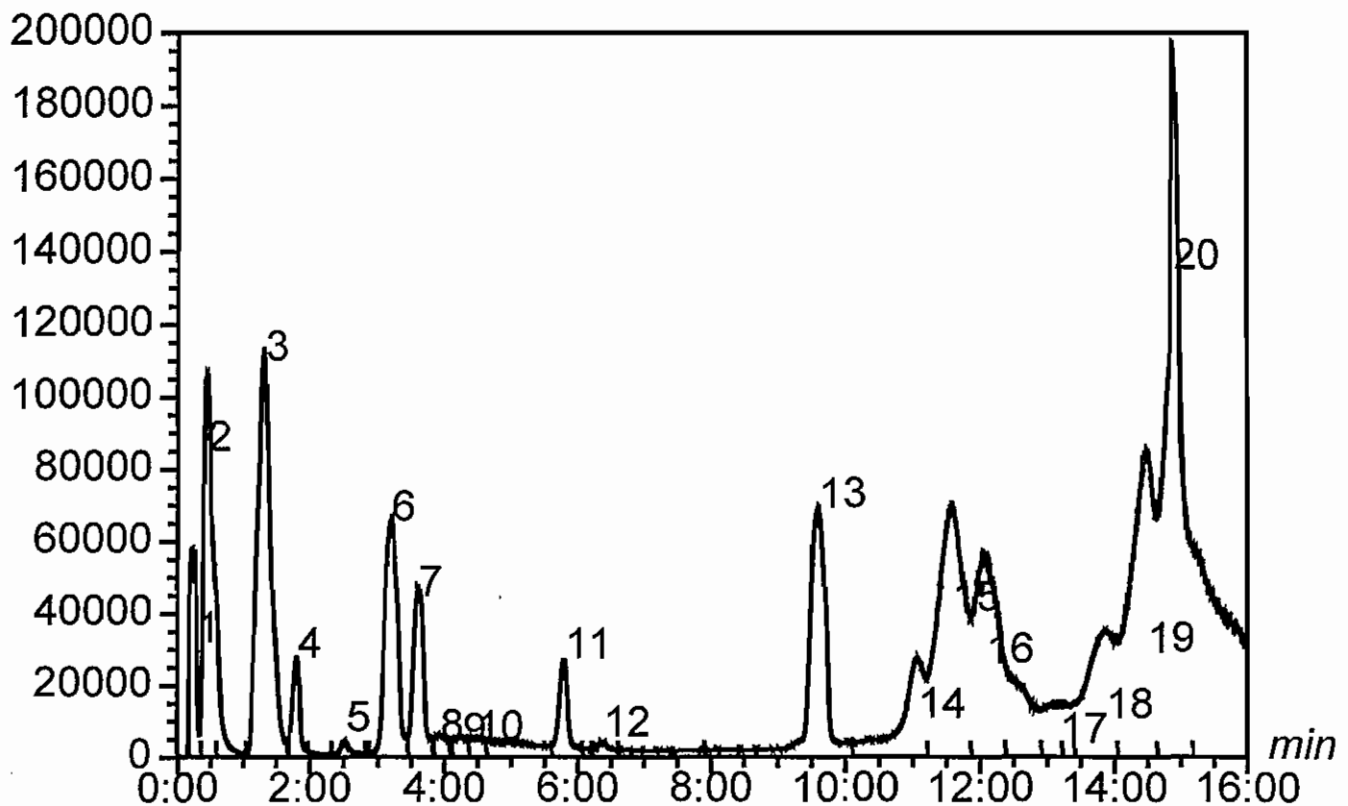
	Name	Conc	Height	Area	Time
1	unknown		174	0	0:10
2	vinyl chloride	0.671	649	111064	0:31
3	bromomethane	0.698	801	134073	0:56
4	1,1-dichloroethene	0.716	1270	229750	1:13
5	methylene chloride	0.713	996	203726	1:32
6	3-chloropropene	0.054	168	66735	2:14
7	3-chloropropene	0.185	879	229072	2:27
7	cis-1,2-dichloroethene	2.359	879	229072	2:27
8	benzene	0.181	749	272919	2:56
9	cis-1,3-dichloropropene	0.168	380	274996	3:55
10	trans-1,3-dichloropropene	1.580	1622	595926	4:10
11	toluene	0.152	1717	405585	4:40
12	unknown		225	82505	5:26
13	1,2-dibromoethane	0.741	1109	288185	5:54
14	tetrachloroethene	0.773	748	196108	6:21
15	chlorobenzene	0.783	255	198522	6:41
15	ethylbenzene	0.896	255	198522	6:41
16	ethylbenzene	0.653	246	144535	6:48
17	m-xylene	0.720	703	172974	7:15
18	p-xylene	0.416	1114	274948	8:00
19	styrene	0.700	151	152686	8:20
20	o-xylene	0.780	255	106901	9:21
20	4-methyltoluene	0.551	255	106901	9:21
21	4-methyltoluene	0.844	440	163695	9:36
22	1,2,4-trimethylbenzene	0.506	542	357139	10:41
23	1,3-dichlorobenzene	0.515	252	360309	12:47
24	Carrier Gas Impurity	1.899	921	738720	13:33
25	unknown		703	824487	14:06
26	Carrier Gas Impurity	2.295	139	892604	14:40

'C:\WPEAK\TO142.JOB' Run #300 10/7/99 1:09PM



INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
calibration 0-30 ppm TO-14

'C:\WPEAK\TO142.JOB' Run #300 10/7/99 1:09PM



INJ/DET Temp=180

Analysis time=16:00

Inject Time=0:10

Oven Temp=50

Sample Time=0:20

Syringe Inj=On

Alarms=Off

Paper Save=Off

Cont. Pump=Off

311 Plotter=Off

311 TWA=Off

311 STEL=Off

311 TWA Cycle=1

Calibration Cycle=0

Repeat Cycle=1

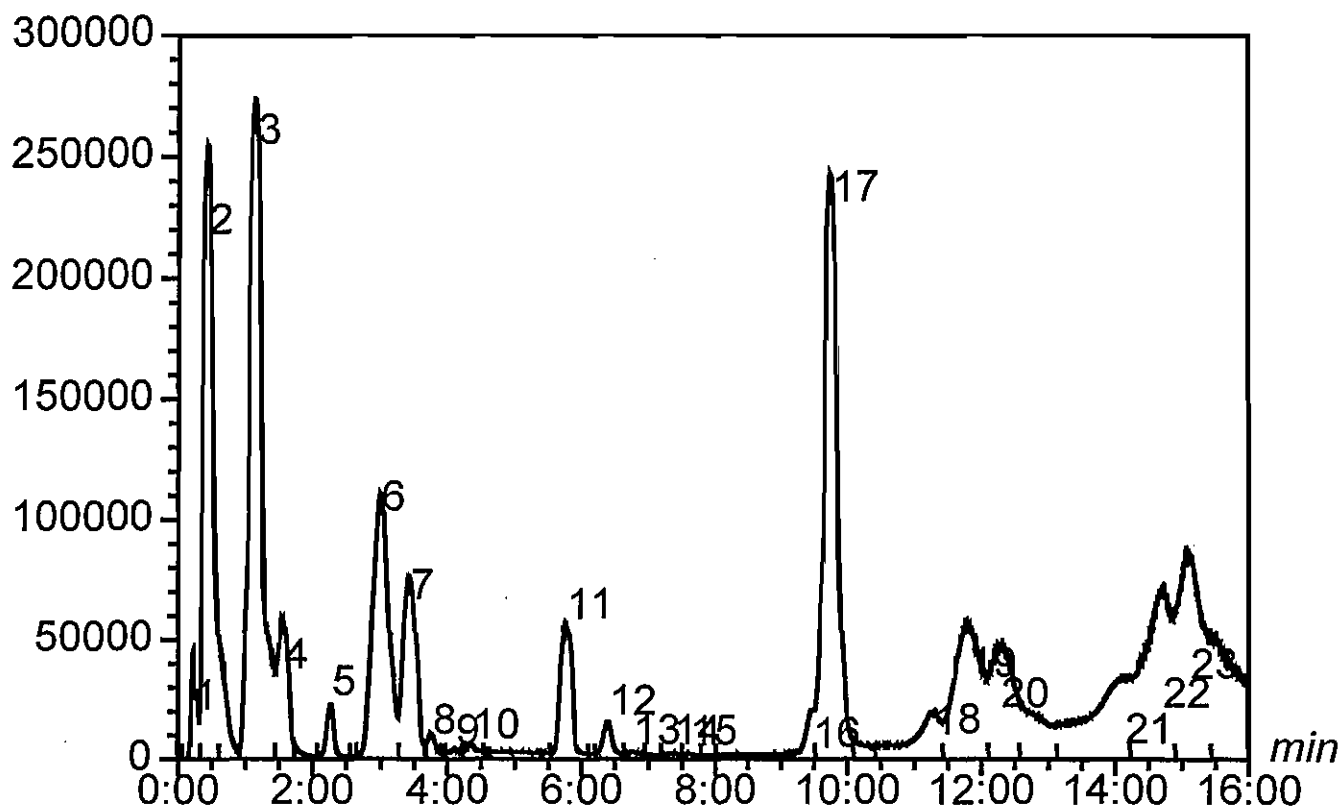
Comment:

calibration 0-30 ppm TO-14

'C:\WPEAK\TO142.JOB' Run #300 10/7/99 1:09PM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	0.148	28219	7751025	0:17
2	dichlorodifluoromethane	0.388	81259	20284643	0:27
2	chloromethane	0.388	81259	20284643	0:27
3	1,2-dichlorotetrafluoroethane	0.441	106096	32193155	1:20
4	chloroethane	0.309	23971	4145972	1:49
5	unknown		3305	909300	2:33
6	unknown		61845	17567910	3:12
7	chloroform	5.390	41079	10163775	3:37
8	1,2-dichloroethane	1.624	1197	1472296	3:57
9	1,1,1-trichloroethane	0.884	228	1357500	4:17
10	unknown		795	1555719	4:29
11	carbon tetrachloride	0.362	23731	5209812	5:48
12	1,2-dichloropropane	0.380	2024	1231645	6:24
13	unknown		65374	24696069	9:36
14	Carrier Gas Impurity	0.851	7112	12263056	11:05
14	Carrier Gas Impurity	0.851	7112	12263056	11:05
15	unknown		36874	36461364	11:35
16	Carrier Gas Impurity	1.856	22269	26735309	12:06
17	unknown		117	4689846	13:12
18	unknown		7088	19313334	13:53
19	unknown		25363	40761648	14:30
20	Carrier Gas impurity	4.455	131044	64172492	14:53

'C:\WPEAK\TO142.JOB' Run #299 10/7/99 12:32PM



INJ/DET Temp=180

Oven Temp=50

Syringe Inj=On

Cont. Pump=Off

311 Plotter=Off

311 TWA Cycle=1

Comment:

calibration 1.0 ppm TO-14

Analysis time=16:00

Sample Time=0:20

Alarms=Off

311 TWA=Off

Calibration Cycle=0

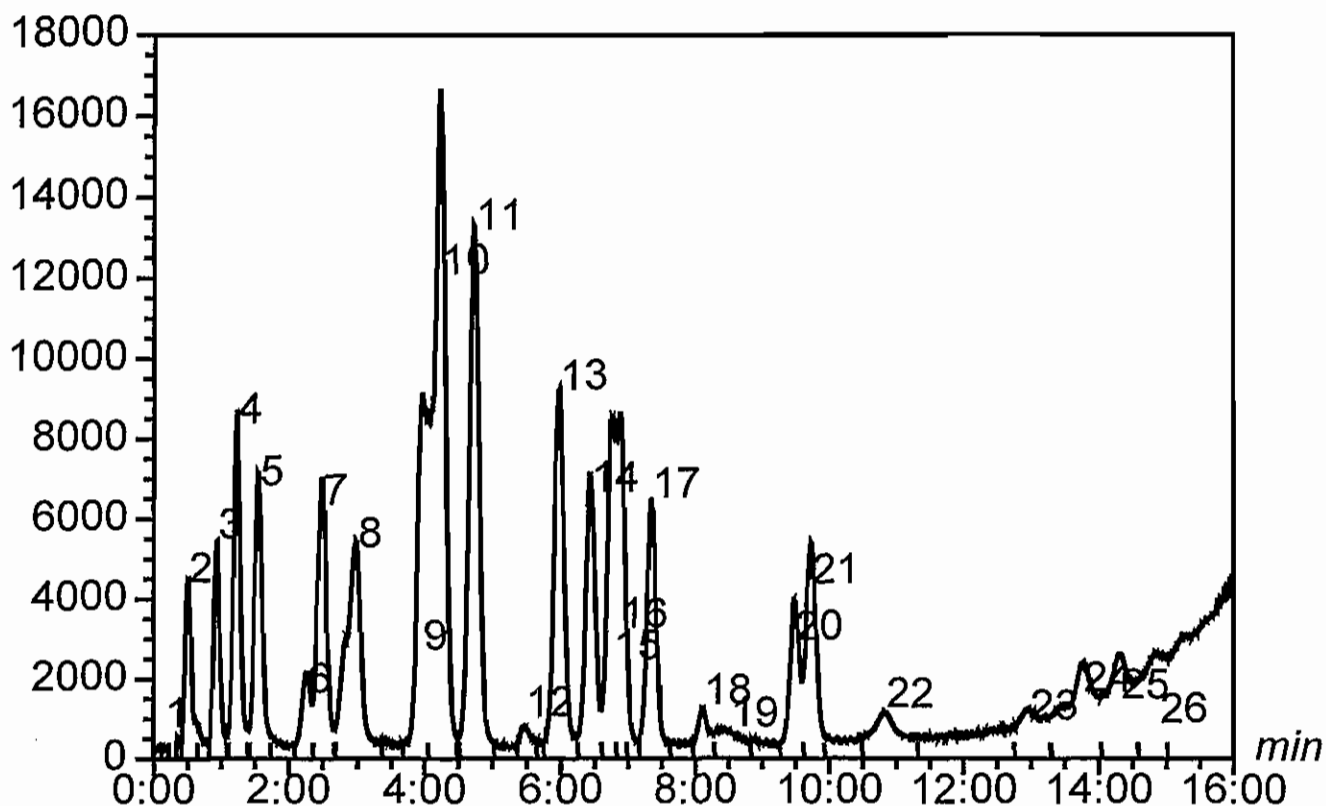
Inject Time=0:10

Paper Save=Off

311 STEL=Off

Repeat Cycle=1

'C:\WPEAK\TO142.JOB' Run #299 10/7/99 12:32PM



INJ/DET Temp=180

Oven Temp=50

Syringe Inj=On

Cont. Pump=Off

311 Plotter=Off

311 TWA Cycle=1

Comment:

calibration 1.0 ppm TO-14

Analysis time=16:00

Sample Time=0:20

Alarms=Off

311 TWA=Off

Calibration Cycle=0

Inject Time=0:10

Paper Save=Off

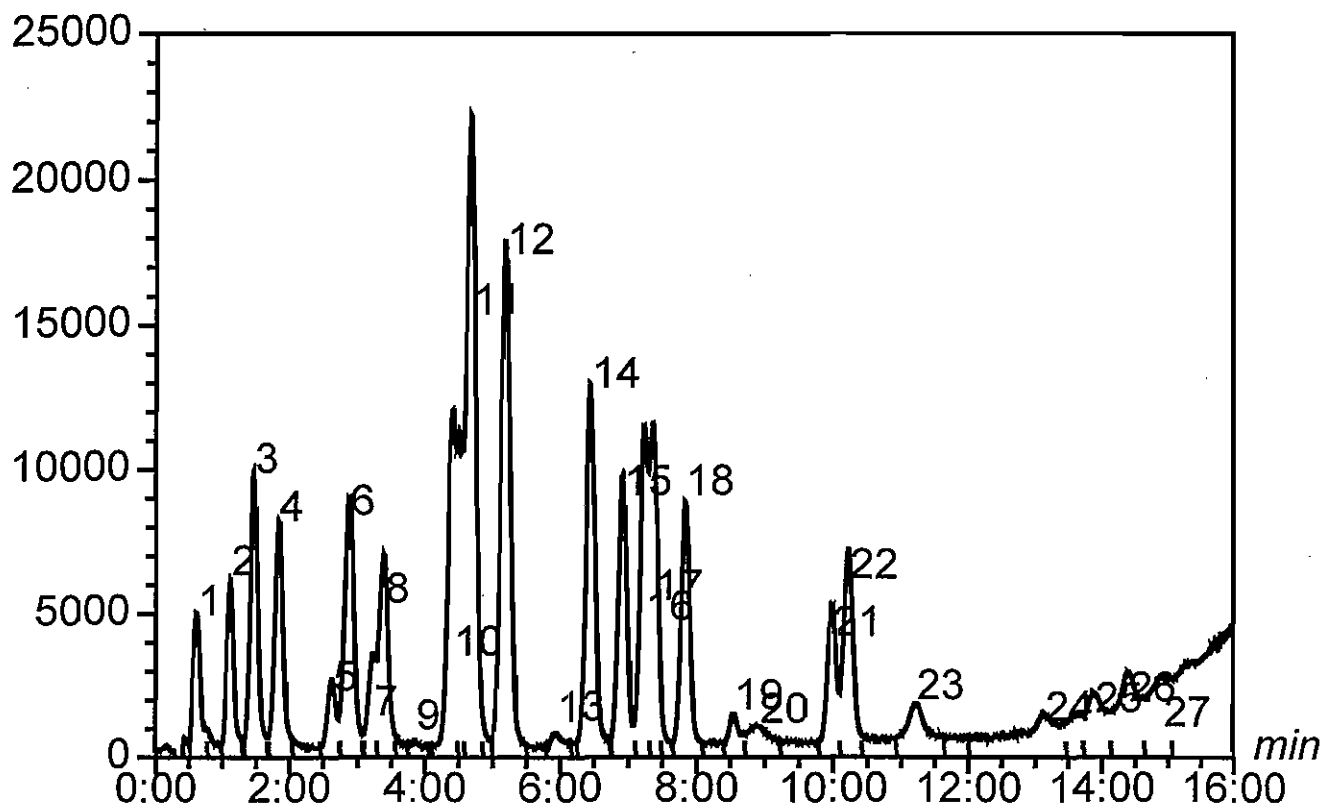
311 STEL=Off

Repeat Cycle=1

'C:\WPEAK\TO142.JOB' Run #299 10/7/99 12:32PM

	Name	Conc	Height	Area	Time
1	unknown		122	1419	0:10
2	vinyl chloride	0.813	3748	589360	0:31
3	bromomethane	0.800	4834	682242	0:57
4	1,1-dichloroethene	1.402	7715	1195659	1:15
5	methylene chloride	0.726	6163	1096602	1:34
6	3-chloropropene	0.824	987	337031	2:17
7	3-chloropropene	3.036	5689	1241295	2:30
7	cis-1,2-dichloroethene	3.018	5689	1241295	2:30
8	benzene	0.967	4605	1505628	3:00
9	cis-1,3-dichloropropene	26.087	2057	1635075	3:59
10	trans-1,3-dichloropropene	1.974	11392	3932918	4:15
11	toluene	0.670	12496	2671913	4:45
12	unknown		391	131640	5:30
13	1,2-dibromoethane	12.402	8537	1836835	6:00
14	chlorobenzene	0.559	6003	1320119	6:27
15	ethylbenzene	1.314	1810	1361241	6:47
16	unknown		2598	1293900	6:54
17	unknown		5858	1222302	7:22
18	styrene	11.085	676	218109	8:08
19	unknown		121	236129	8:32
20	4-methyltoluene	5.809	2286	731957	9:30
21	1,3,5-trimethylbenzene	8.469	3703	1067187	9:45
22	unknown		606	500904	10:51
23	unknown		306	506814	13:00
24	unknown		991	1178973	13:47
25	unknown		823	1117284	14:20
26	unknown		224	1075957	14:54

'C:\WPEAK\TO142.JOB' Run #298 10/7/99 12:04PM



INJ/DET Temp=180

Analysis time=16:00

Inject Time=0:10

Oven Temp=50

Sample Time=0:20

Syringe Inj=On

Alarms=Off

Paper Save=Off

Cont. Pump=Off

311 Plotter=Off

311 TWA=Off

311 STEL=Off

311 TWA Cycle=1

Calibration Cycle=0

Repeat Cycle=1

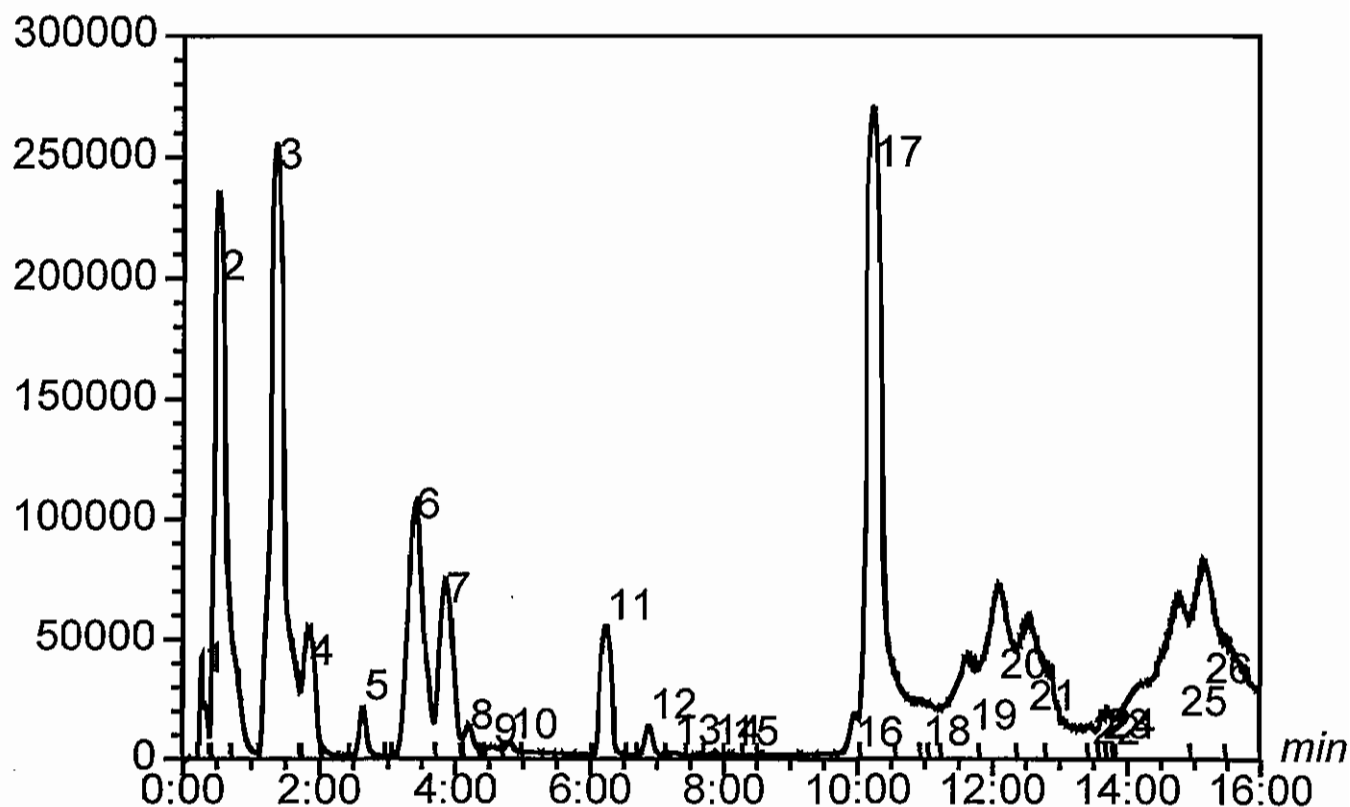
Comment:

calibration 1.0 ppm TO-14 failed-flow changed

'C:\WPEAK\TO142.JOB' Run #298 10/7/99 12:04PM

	Name	Conc	Height	Area	Time
1	vinyl chloride	0.976	4111	724762	0:38
2	bromomethane	0.976	5488	852720	1:08
2	1,1-dichloroethene	0.554	5488	852720	1:08
3	methylene chloride	1.075	9029	1510519	1:29
4	unknown		7383	1359327	1:51
5	cis-1,2-dichloroethene	1.006	1450	411325	2:39
6	benzene	3.484	7566	1556987	2:54
7	trichloroethene	0.343	601	455805	3:15
8	trichloroethene	0.986	4522	1311361	3:24
9	cis-1,3-dichloropropene	1.306	117	62677	3:53
10	unknown		2682	1906636	4:26
11	toluene	0.959	14509	3987696	4:42
12	unknown		16591	3442792	5:13
13	1,2-dibromoethane	1.564	404	148110	5:57
14	chlorobenzene	1.047	11969	2362642	6:28
15	unknown		8238	1694511	6:57
16	m-xylene	0.910	3910	1712159	7:15
17	unknown		4622	1765689	7:24
18	p-xylene	0.978	8267	1546232	7:51
19	unknown		817	253292	8:34
20	unknown		355	353659	8:57
21	unknown		3349	891642	10:00
22	unknown		5355	1364462	10:15
23	unknown		1166	679648	11:15
24	unknown		404	1052442	13:10
25	unknown		708	729059	13:54
26	Carrier Gas Impurity	11.833	1090	1120810	14:25
27	unknown		220	1076449	14:57

'C:\WPEAK\TO142.JOB' Run #298 10/7/99 12:04PM



INJ/DET Temp=180

Analysis time=16:00

Inject Time=0:10

Oven Temp=50

Sample Time=0:20

Syringe Inj=On

Alarms=Off

Paper Save=Off

Cont. Pump=Off

311 Plotter=Off

311 TWA=Off

311 STEL=Off

311 TWA Cycle=1

Calibration Cycle=0

Repeat Cycle=1

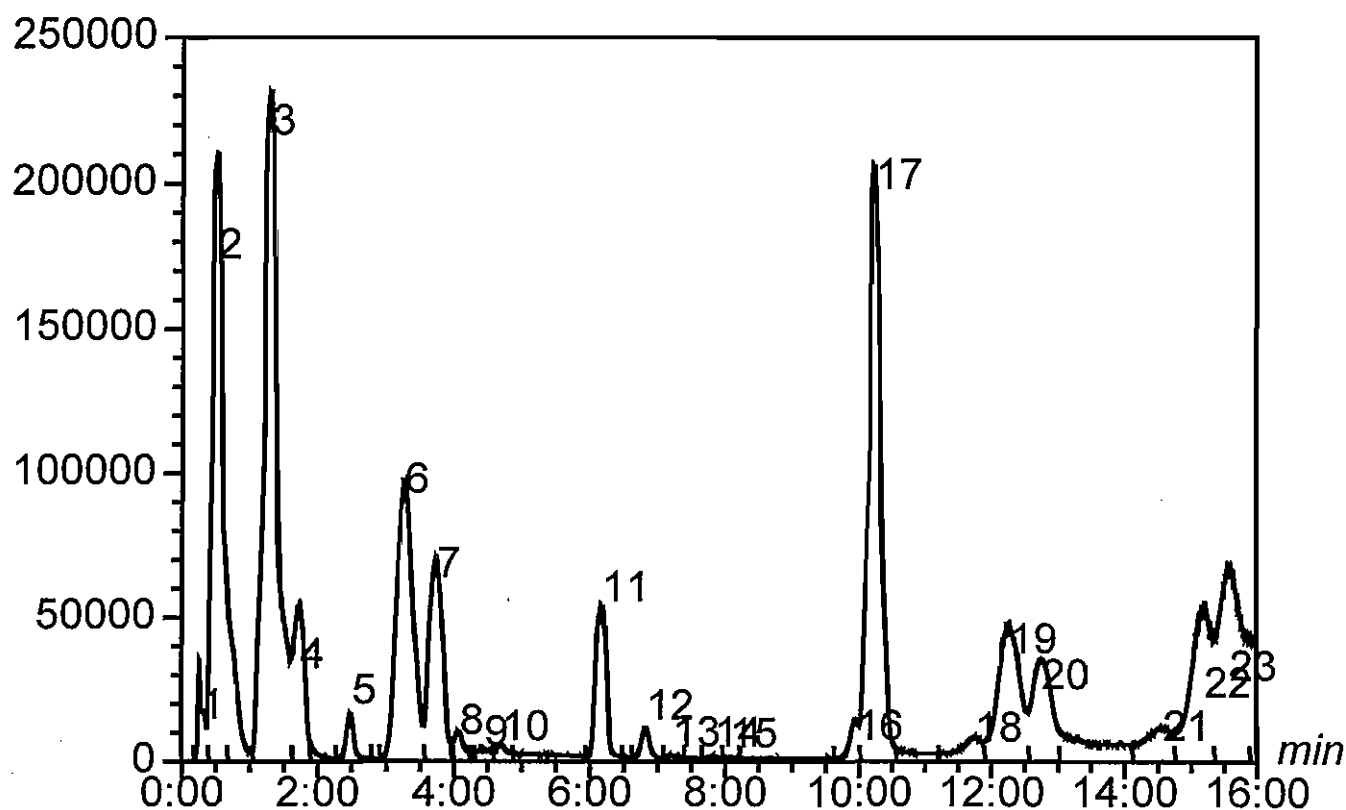
Comment:

calibration 1.0 ppm TO-14 failed-flow changed

'C:\WPEAK\TO142.JOB' Run #298 10/7/99 12:04PM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	1.294	31158	4142350	0:18
2	chloromethane	1.140	194058	50647507	0:33
3	1,2-dichlorotetrafluoroethane	1.139	239983	74305952	1:23
4	unknown		34140	12858550	1:52
5	unknown		19311	3443664	2:40
6	1,1-dichloroethane	1.054	94990	34572578	3:25
7	chloroform	1.046	59982	20724846	3:52
8	1,2-dichloroethane	1.326	6946	2638940	4:13
8	1,1,1-trichloroethane	2.482	6946	2638940	4:13
9	unknown		1152	1234380	4:34
10	unknown		3220	1538900	4:49
11	1,2-dichloropropane	1.048	52971	12946350	6:15
12	unknown		11658	2678544	6:54
13	1,1,2,2-tetrachloroethane	1.222	913	708545	7:16
14	unknown		758	598380	7:52
15	unknown		333	562380	8:08
16	unknown		-30	5155489	9:59
17	Carrier Gas Impurity		240447	84492448	10:16
18	Carrier Gas Impurity		314	3637575	10:59
19	unknown		7088	20805616	11:40
20	Carrier Gas Impurity		28449	35242321	12:07
21	unknown		15298	24828866	12:33
22	unknown		1059	2192700	13:30
23	unknown		3408	2087145	13:39
24	unknown		3592	2441850	13:43
25	Carrier Gas impurity		13175	49361791	14:48
26	unknown		26850	41273985	15:10

'C:\WPEAK\TO142.JOB' Run #297 10/7/99 11:23AM

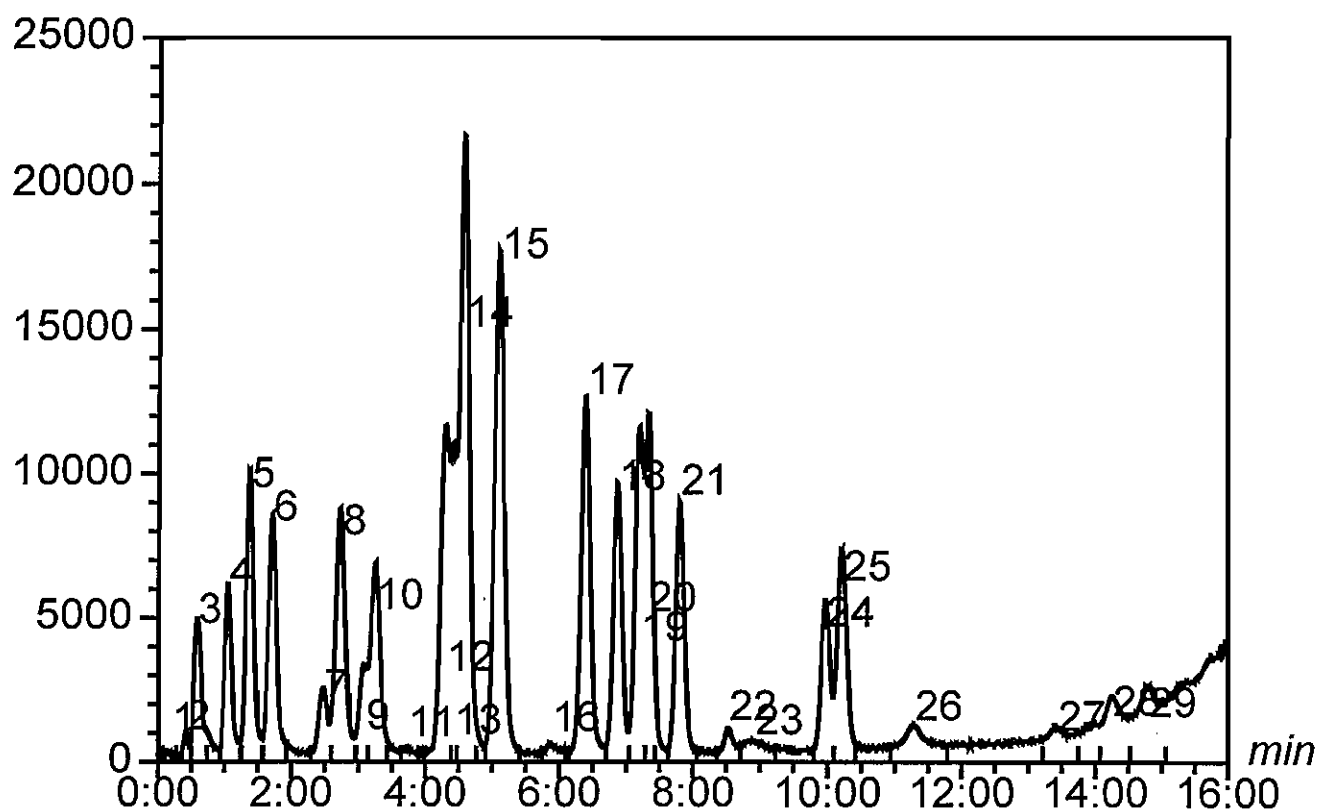


INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
calibration 1.0 ppm TO-14 failed

'C:\WPEAK\TO142.JOB' Run #297 10/7/99 11:23AM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	0.732	10229	3201197	0:17
2	chloromethane	1.161	169655	44423973	0:31
3	1,2-dichlorotetrafluoroethane	2.261	212025	65213576	1:18
4	chloroethane	0.201	27966	11964660	1:45
5	trichlorofluoromethane		15267	2778894	2:30
6	1,1-dichloroethane	1.123	88482	32795247	3:16
7	chloroform	2.297	59425	19817166	3:45
8	1,2-dichloroethane	0.110	4810	1989435	4:06
9	1,1,1-trichloroethane	0.510	985	1063360	4:27
10	unknown		2727	1397041	4:42
11	1,2-dichloropropane	1.126	51187	12357229	6:11
12	unknown		10080	2331050	6:51
13	1,1,2,2-tetrachloroethane	1.206	721	579600	7:14
14	unknown		609	451929	7:51
15	unknown		297	369543	8:05
16	unknown		2835	2544546	9:58
17	Carrier Gas Impurity		193009	52088430	10:15
18	unknown		2397	3785780	11:46
19	unknown		33109	21237425	12:17
20	unknown		20765	13911650	12:46
21	unknown		2901	6451200	14:35
22	unknown		18091	22456318	15:12
23	unknown		23924	33654830	15:36

'C:\WPEAK\TO142.JOB' Run #297 10/7/99 11:23AM



INJ/DET Temp=180

Oven Temp=50

Syringe Inj=On

Cont. Pump=Off

311 Plotter=Off

311 TWA Cycle=1

Comment:

calibration 1.0 ppm TO-14 failed

Analysis time=16:00

Sample Time=0:20

Alarms=Off

311 TWA=Off

Calibration Cycle=0

Inject Time=0:10

Paper Save=Off

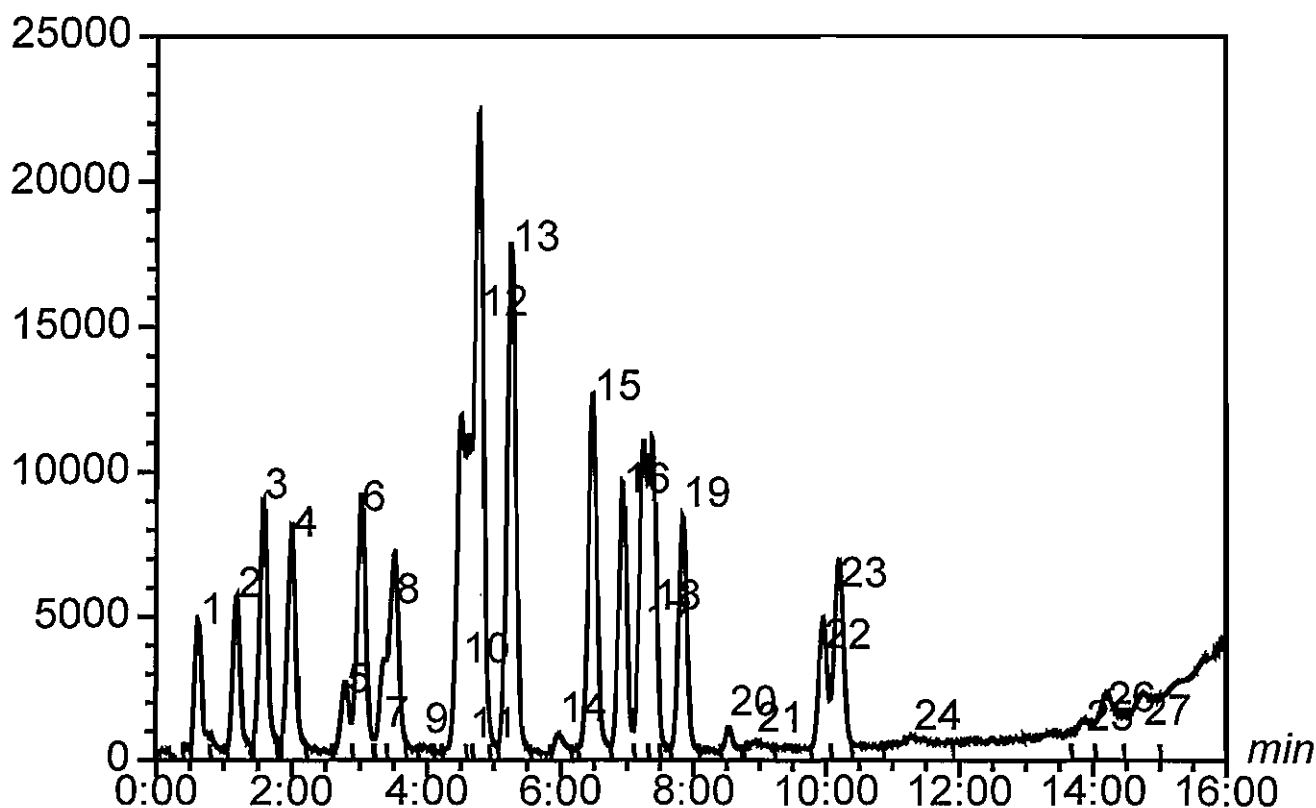
311 STEL=Off

Repeat Cycle=1

'C:\WPEAK\TO142.JOB' Run #297 10/7/99 11:23AM

	Name	Conc	Height	Area	Time
1	unknown		220	5589	0:12
2	vinyl chloride	0.102	319	72491	0:26
3	vinyl chloride	1.050	4039	742904	0:36
4	bromomethane	1.309	5320	873957	1:04
5	1,1-dichloroethene	1.856	8737	1538020	1:24
6	methylene chloride	0.970	7590	1405327	1:44
7	3-chloropropene	18.005	1392	408921	2:30
7	cis-1,2-dichloroethene	1.415	1392	408921	2:30
8	unknown		7102	1580853	2:45
9	benzene	0.297	346	446958	3:06
10	trichloroethene	1.027	4531	1330459	3:15
11	cis-1,3-dichloropropene	1.242	106	48001	3:45
12	trans-1,3-dichloropropene	18.296	2384	1992253	4:19
13	unknown		193	1040351	4:26
14	toluene	1.060	14285	4159230	4:36
15	unknown		16637	3487741	5:07
16	1,2-dibromoethane	0.750	274	94718	5:54
17	tetrachloroethene	1.506	11981	2380083	6:24
18	unknown		8649	1713134	6:53
19	m-xylene	1.151	3416	1881495	7:13
20	unknown		4441	1685394	7:21
21	p-xylene	1.113	8504	1580328	7:49
22	unknown		665	188696	8:33
23	unknown		182	232458	8:56
24	unknown		3921	957105	9:59
25	unknown		5524	1403292	10:14
26	unknown		683	562982	11:18
27	Carrier Gas Impurity	3.800	312	479969	13:27
28	unknown		843	803265	14:16
29	unknown		801	1155299	14:48

'C:\WPEAK\TO142.JOB' Run #296 10/7/99 10:57AM

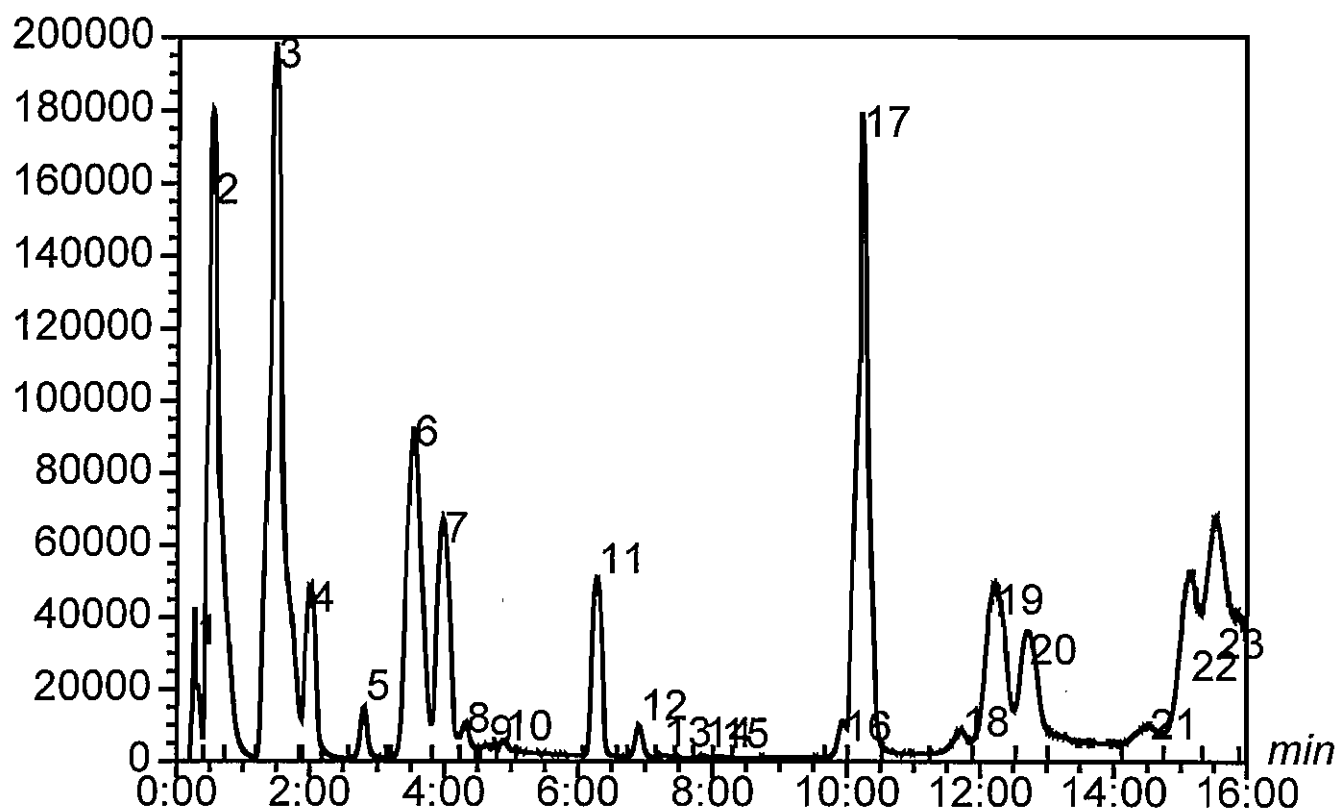


INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
calibration 1.0 ppm TO-14 failed

'C:\WPEAK\TO142.JOB' Run #296 10/7/99 10:57AM

	Name	Conc	Height	Area	Time
1	vinyl chloride	1.120	3935	707530	0:39
2	1,1-dichloroethene	1.077	4861	828723	1:12
3	methylene chloride	1.053	8273	1448513	1:36
4	unknown		6963	1315590	2:01
5	unknown		1522	376529	2:48
6	benzene	1.060	7830	1504347	3:02
7	trichloroethene	0.230	356	386694	3:23
8	trichloroethene	0.772	4631	1295966	3:32
9	cis-1,3-dichloropropene	0.861	129	38662	3:58
10	toluene	0.394	2570	1892000	4:32
11	toluene	0.220	-28	1054238	4:39
12	toluene	0.817	14569	3922368	4:48
13	unknown		16803	3286641	5:17
14	1,2-dibromoethane	1.427	532	126300	6:00
15	chlorobenzene	1.047	11651	2257155	6:30
16	unknown		8453	1617712	6:57
17	m-xylene	1.016	3656	1635046	7:16
18	unknown		4404	1653617	7:24
19	p-xylene	0.955	7978	1420022	7:51
20	unknown		741	146542	8:33
21	unknown		173	143151	8:58
22	unknown		3046	802881	9:59
23	unknown		5198	1311900	10:13
24	unknown		248	453624	11:20
25	unknown		220	377645	13:54
26	unknown		876	767820	14:14
27	unknown		433	1061317	14:46

'C:\WPEAK\TO142.JOB' Run #296 10/7/99 10:57AM



INJ/DET Temp=180

Oven Temp=50

Syringe Inj=On

Cont. Pump=Off

311 Plotter=Off

311 TWA Cycle=1

Comment:

calibration 1.0 ppm TO-14 failed

Analysis time=16:00

Sample Time=0:20

Alarms=Off

311 TWA=Off

Calibration Cycle=0

Inject Time=0:10

Paper Save=Off

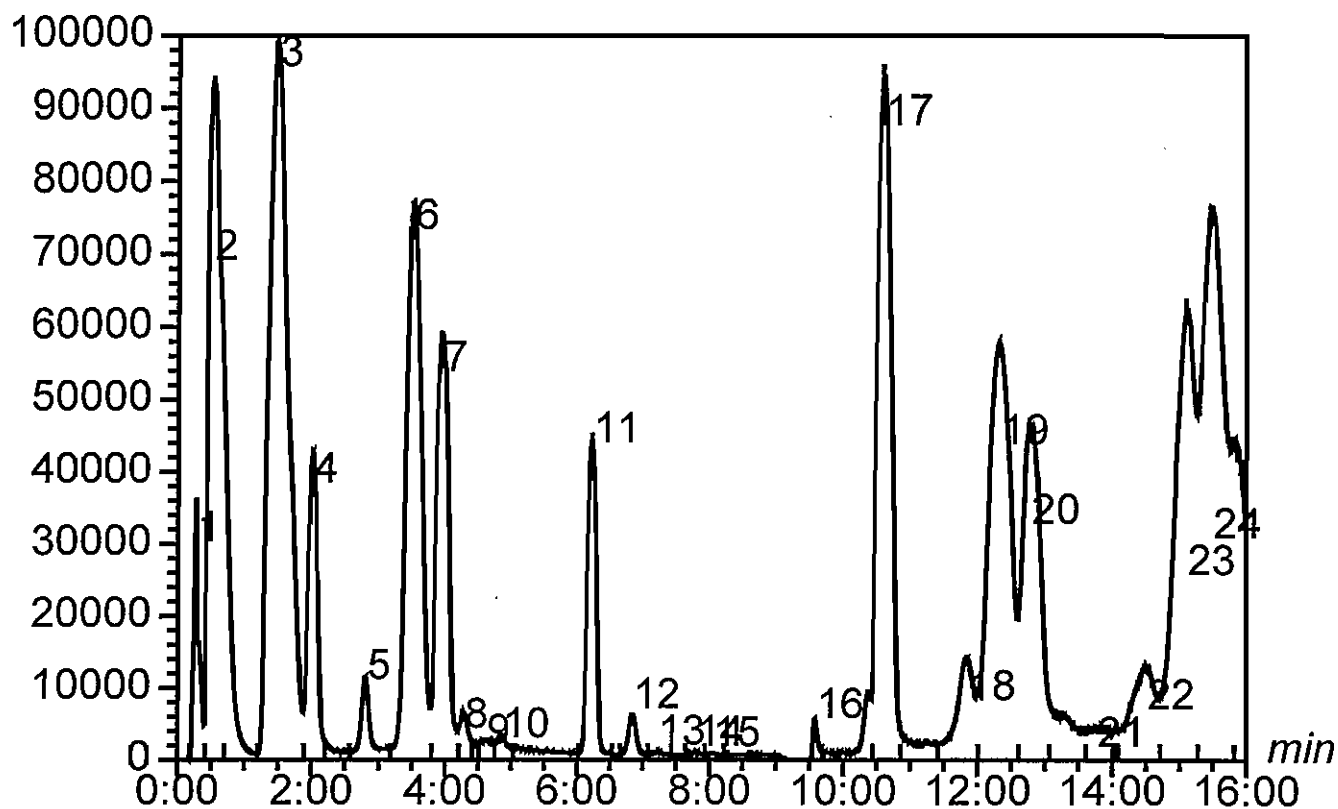
311 STEL=Off

Repeat Cycle=1

'C:\WPEAK\TO142.JOB' Run #296 10/7/99 10:57AM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	1.208	28937	4372569	0:17
2	chloromethane	1.563	150748	38256206	0:33
3	chloroethane	1.513	188292	59642890	1:29
4	unknown		38012	10188970	2:01
5	unknown		13507	2488822	2:49
6	1,1-dichloroethane	1.199	84045	29202585	3:33
7	1,2-dichloroethane	1.229	57387	18061562	4:00
8	1,1,1-trichloroethane	1.757	4586	2085260	4:20
9	unknown		885	1141510	4:40
10	unknown		2367	1428443	4:54
11	1,2-dichloropropane	1.294	48776	10977861	6:18
12	unknown		8019	1919502	6:56
13	1,1,2,2-tetrachloroethane	1.329	587	480523	7:17
14	unknown		468	397637	7:53
15	unknown		242	376147	8:08
16	unknown		2273	1926919	9:57
17	Carrier Gas Impurity		169023	42760380	10:14
18	unknown		3538	3563099	11:44
19	unknown		37545	21285488	12:15
20	unknown		23679	13852170	12:45
21	unknown		2975	5510345	14:33
22	unknown		19235	21301762	15:09
23	unknown		25453	34183872	15:33

'C:\WPEAK\TO142.JOB' Run #295 10/7/99 10:27AM

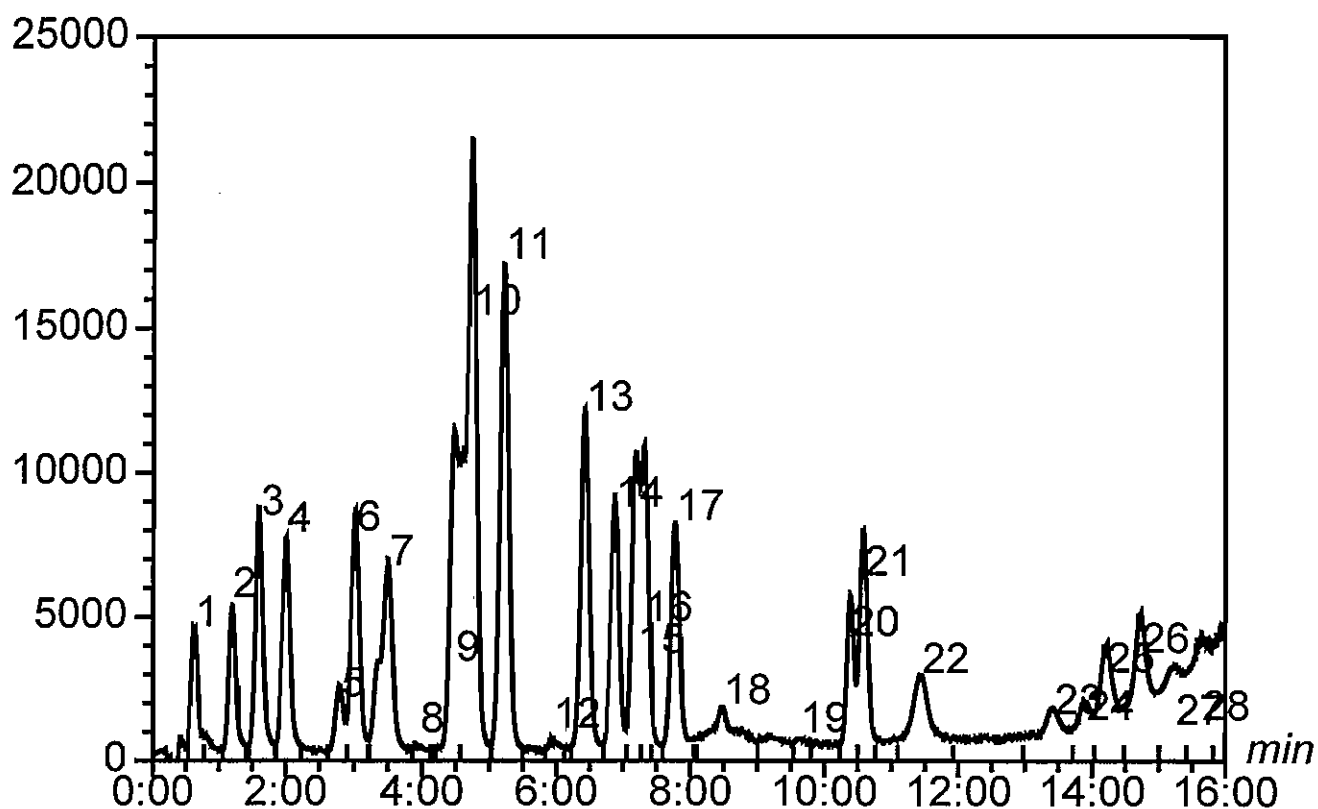


INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
calibration 1.0 ppm TO-14 failed

'C:\WPEAK\TO142.JOB' Run #295 10/7/99 10:27AM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	1.265	28729	3620901	0:17
2	chloromethane	1.315	67546	24477591	0:32
3	chloroethane		94931	39414506	1:30
4	unknown		36844	8150150	2:02
5	unknown		9551	2384142	2:49
6	1,1-dichloroethane	1.393	71742	24356418	3:32
7	1,2-dichloroethane	29.115	52245	14698952	3:58
8	1,1,1-trichloroethane	2.351	2775	1186768	4:18
9	unknown		542	655338	4:38
10	unknown		1417	841067	4:52
11	1,2-dichloropropane	2.107	42422	8484675	6:15
12	unknown		5506	1231932	6:51
13	1,1,2,2-tetrachloroethane	2.028	423	361696	7:14
14	unknown		342	270851	7:48
15	unknown		179	264898	8:03
16	unknown		4175	554571	9:36
17	unknown		86087	26721668	10:37
18	Carrier Gas Impurity		6718	5032011	11:51
19	unknown		42176	25938652	12:21
20	unknown		31199	17252388	12:48
21	unknown		220	1987912	13:47
22	unknown		5468	6336620	14:31
23	unknown		24175	24976619	15:07
24	unknown		29310	37121184	15:30

'C:\WPEAK\TO142.JOB' Run #295 10/7/99 10:27AM

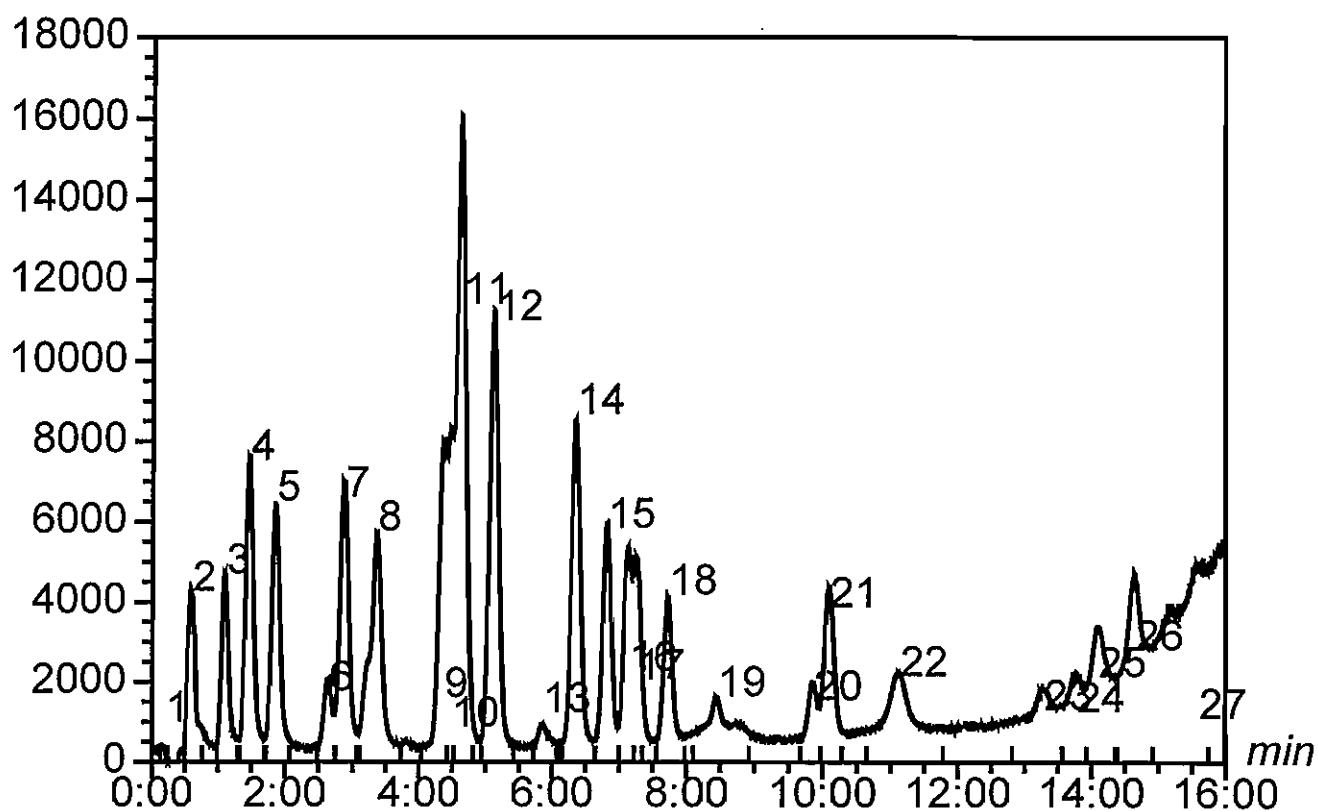


INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
calibration 1.0 ppm TO-14 failed

'C:\WPEAK\TO142.JOB' Run #295 10/7/99 10:27AM

	Name	Conc	Height	Area	Time
1	vinyl chloride	1.032	3790	631647	0:38
2	1,1-dichloroethene	7.177	4811	769298	1:12
3	methylene chloride	1.124	7651	1375917	1:37
4	unknown		7063	1232040	2:01
5	unknown		1335	359772	2:48
6	benzene	1.184	7111	1418697	3:02
7	trichloroethene	1.209	5920	1678585	3:31
8	cis-1,3-dichloropropene	1.864	105	44904	3:58
9	toluene	0.591	2590	1783628	4:30
10	toluene	1.592	14561	4801561	4:45
11	unknown		16509	3140050	5:14
12	1,2-dibromoethane	0.564	275	88501	5:57
13	chlorobenzene	19.724	11257	2156074	6:27
14	unknown		7938	1556347	6:54
15	m-xylene	2.500	2854	1608524	7:13
16	unknown		3969	1539996	7:20
17	p-xylene	1.974	7495	1487275	7:48
18	unknown		1096	808502	8:30
19	4-methyltoluene	2.973	124	126007	9:39
19	1,3,5-trimethylbenzene	0.359	124	126007	9:39
20	1,2,4-trimethylbenzene	5.032	3476	822400	10:24
21	1,2,4-trimethylbenzene	7.862	5569	1285003	10:36
22	unknown		2190	1120062	11:27
23	Carrier Gas Impurity	4.862	763	763122	13:27
24	unknown		567	505746	13:55
25	unknown		2213	1193672	14:14
26	unknown		2896	1702395	14:45
27	unknown		406	1243474	15:15
28	1,4-dichlorobenzene	0.452	566	1580333	15:39

'C:\WPEAK\TO142.JOB' Run #294 10/7/99 9:36AM

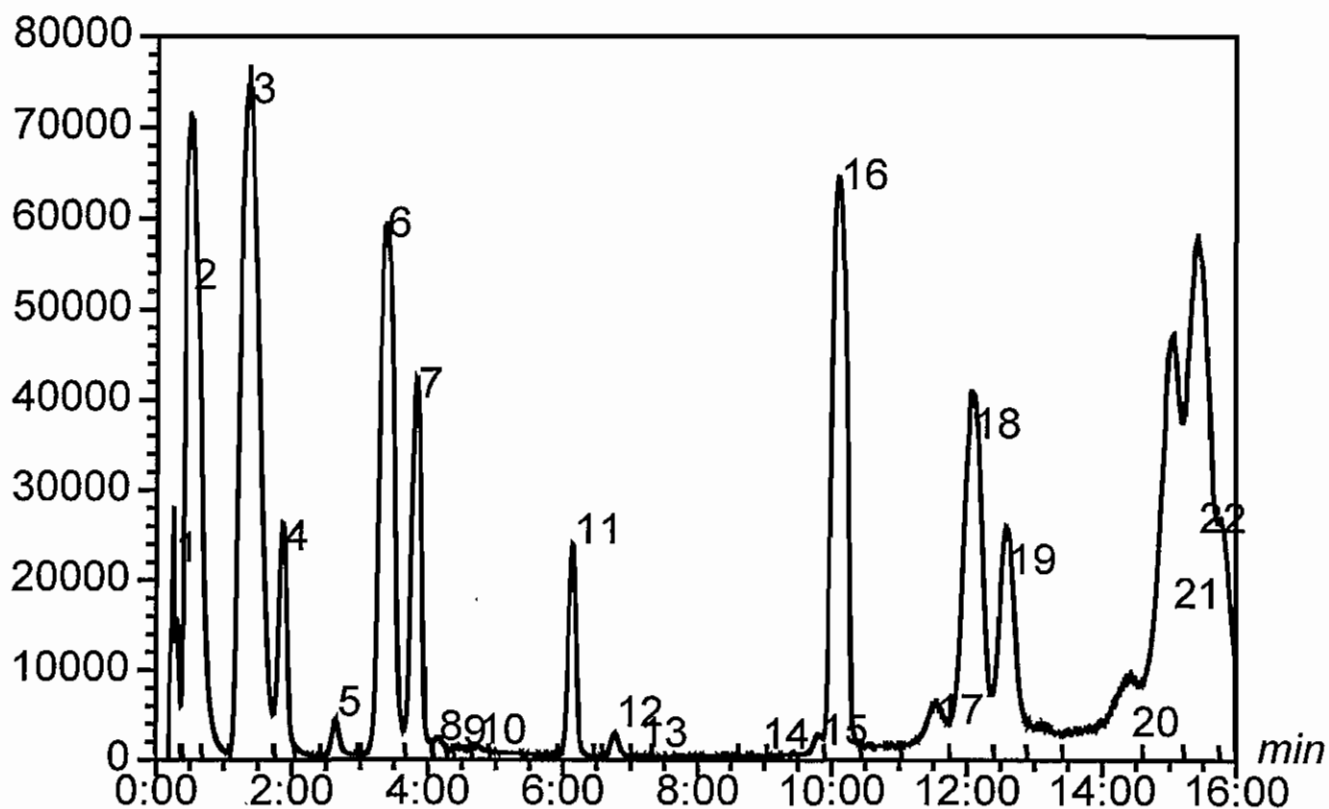


INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
calibration 1.0 ppm TO-14 failed

'C:\WPEAK\TO142.JOB' Run #294 10/7/99 9:36AM

	Name	Conc	Height	Area	Time
1	unknown		245	0	0:12
2	vinyl chloride		3509	611955	0:36
3	bromomethane		3941	667440	1:07
4	methylene chloride		6780	1224165	1:29
5	unknown		5759	1073407	1:52
6	cis-1,2-dichloroethene		1013	288979	2:39
7	benzene		5866	1198482	2:53
8	trichloroethene		5017	1388705	3:22
9	unknown		853	1058529	4:23
10	toluene		118	868935	4:30
11	toluene		10659	3016754	4:39
12	unknown		10244	2140348	5:09
13	1,2-dibromoethane		483	156944	5:52
14	tetrachloroethene		7929	1580425	6:22
15	ethylbenzene		5088	1035564	6:50
16	m-xylene		1524	848232	7:09
17	m-xylene		1310	643470	7:16
18	p-xylene		3433	753525	7:45
19	unknown		888	686496	8:27
20	1,3,5-trimethylbenzene		789	350805	9:52
21	unknown		3124	849032	10:06
22	unknown		1398	1202334	11:09
23	unknown		558	912585	13:18
24	unknown		503	651641	13:47
25	unknown		1387	1161429	14:06
26	Carrier Gas Impurity		2058	1778337	14:39
27	1,4-dichlorobenzene		353	3499834	15:36

'C:\WPEAK\TO142.JOB' Run #294 10/7/99 9:36AM

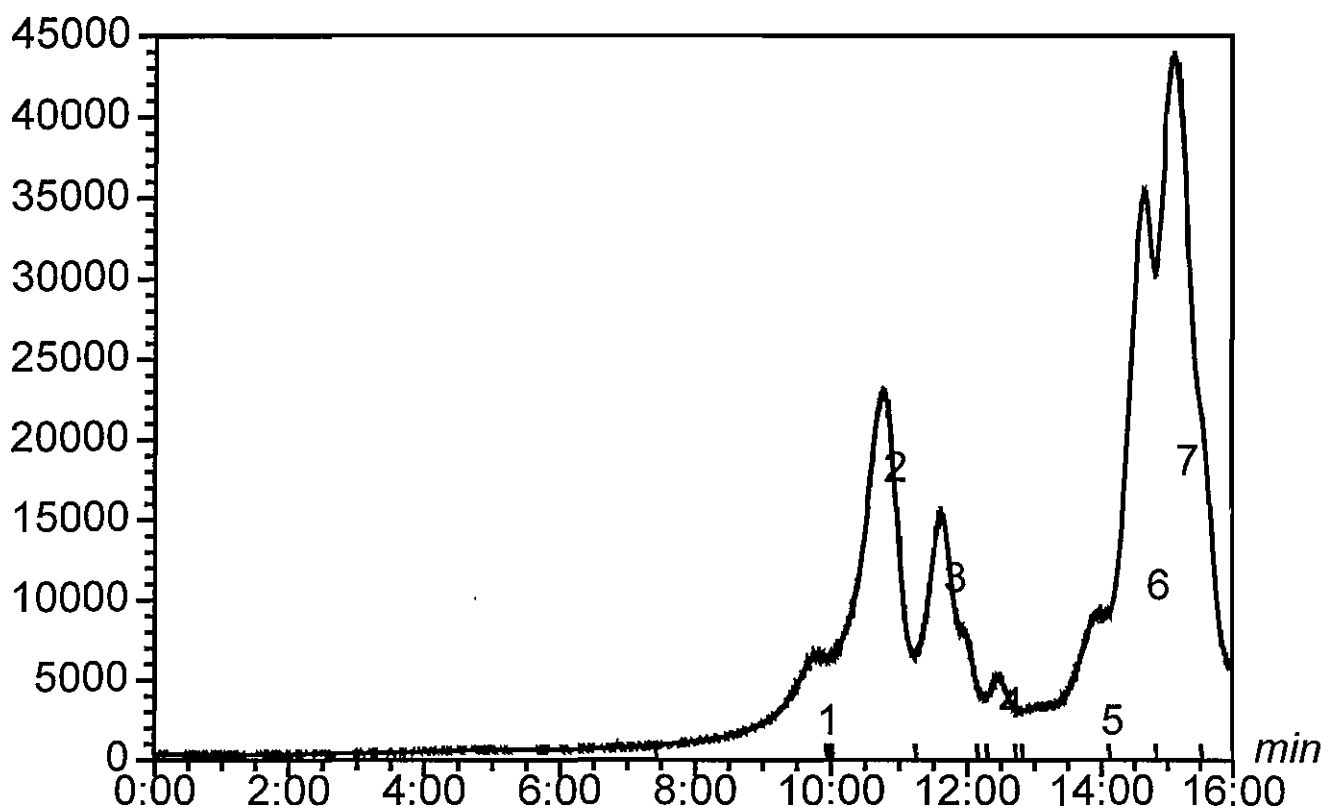


INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
calibration 1.0 ppm TO-14 failed

'C:\WPEAK\TO142.JOB' Run #294 10/7/99 9:36AM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane		20708	2863071	0:16
2	chloromethane		50909	18616289	0:31
3	1,2-dichlorotetrafluoroethane		71315	28844068	1:23
4	unknown		22038	4623109	1:53
5	unknown		3490	900230	2:40
6	1,1-dichloroethane		56560	17480624	3:24
7	chloroform		38855	8626467	3:51
8	1,2-dichloroethane		828	504857	4:10
8	1,1,1-trichloroethane		828	504857	4:10
9	unknown		304	386125	4:31
10	unknown		431	380319	4:45
11	1,2-dichloropropane		22755	4026978	6:10
12	unknown		2428	633973	6:48
13	1,1,2,2-tetrachloroethane		131	178380	7:09
14	unknown		-2	254982	8:58
15	unknown		365	950099	9:51
16	unknown		61801	19676621	10:08
17	unknown		2730	2937691	11:33
18	Carrier Gas Impurity		34466	16411570	12:06
19	unknown		19444	8747385	12:37
20	unknown		1374	6992987	14:27
21	unknown		15709	20029995	15:03
22	unknown		24075	27456495	15:27

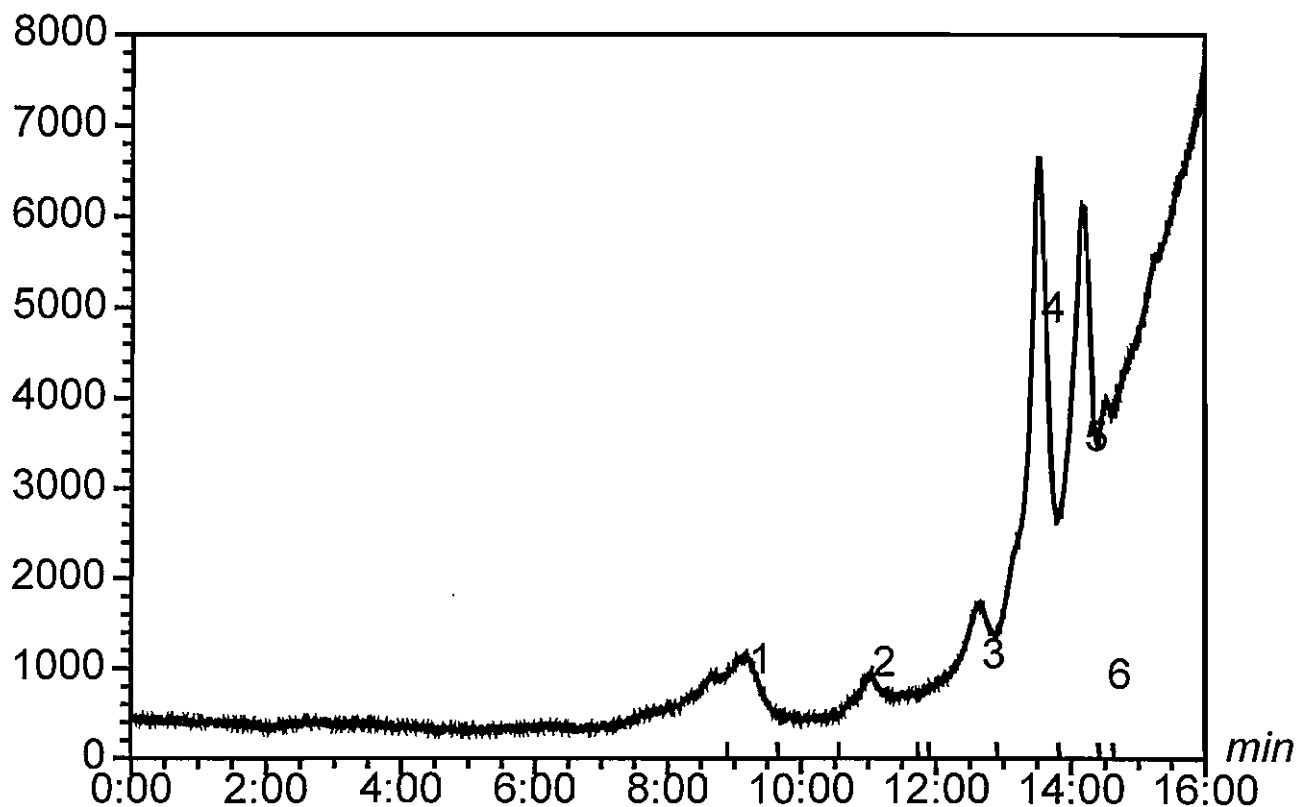
'C:\WPEAK\TO142.JOB' Run #293 10/7/99 9:07AM



INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
carrier gas run ☐ adjust flow ☐

	Name	Conc	Height	Area	Time
1	unknown		534	5991247	9:48
2	unknown		16356	18280228	10:47
3	unknown		9472	10177190	11:39
4	unknown		1663	2003399	12:29
5	unknown		546	7217824	14:00
6	Carrier Gas impurity		9029	18812748	14:41
7	unknown		16772	27547927	15:08

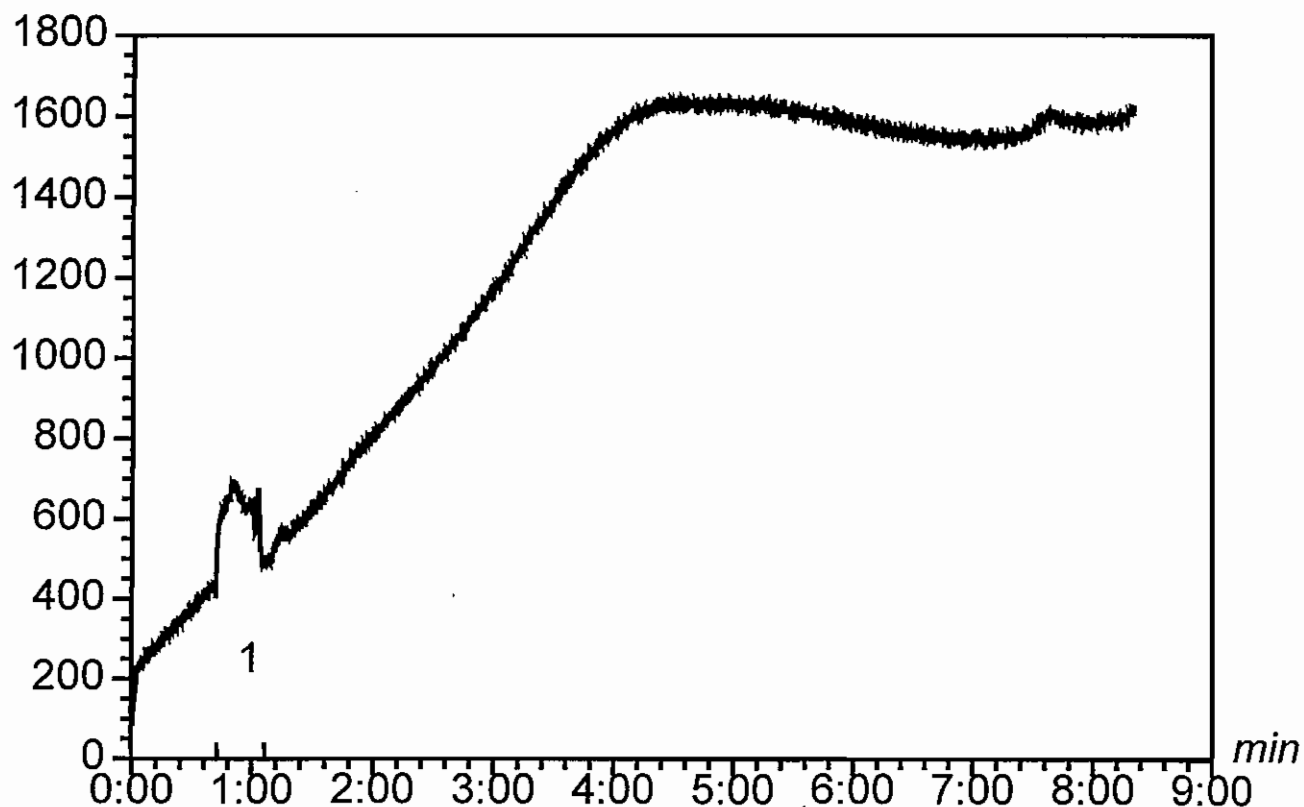
'C:\WPEAK\TO142.JOB' Run #293 10/7/99 9:08AM



INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
carrier gas run ☐ adjust flow ☐

	Name	Conc	Height	Area	Time
1	o-xylene		371	397171	9:14
2	unknown		338	370533	11:04
3	1,3-dichlorobenzene		428	868200	12:41
4	Carrier Gas Impurity		4262	3063269	13:33
5	unknown		2845	2615490	14:12
6	Carrier Gas Impurity		205	810742	14:33

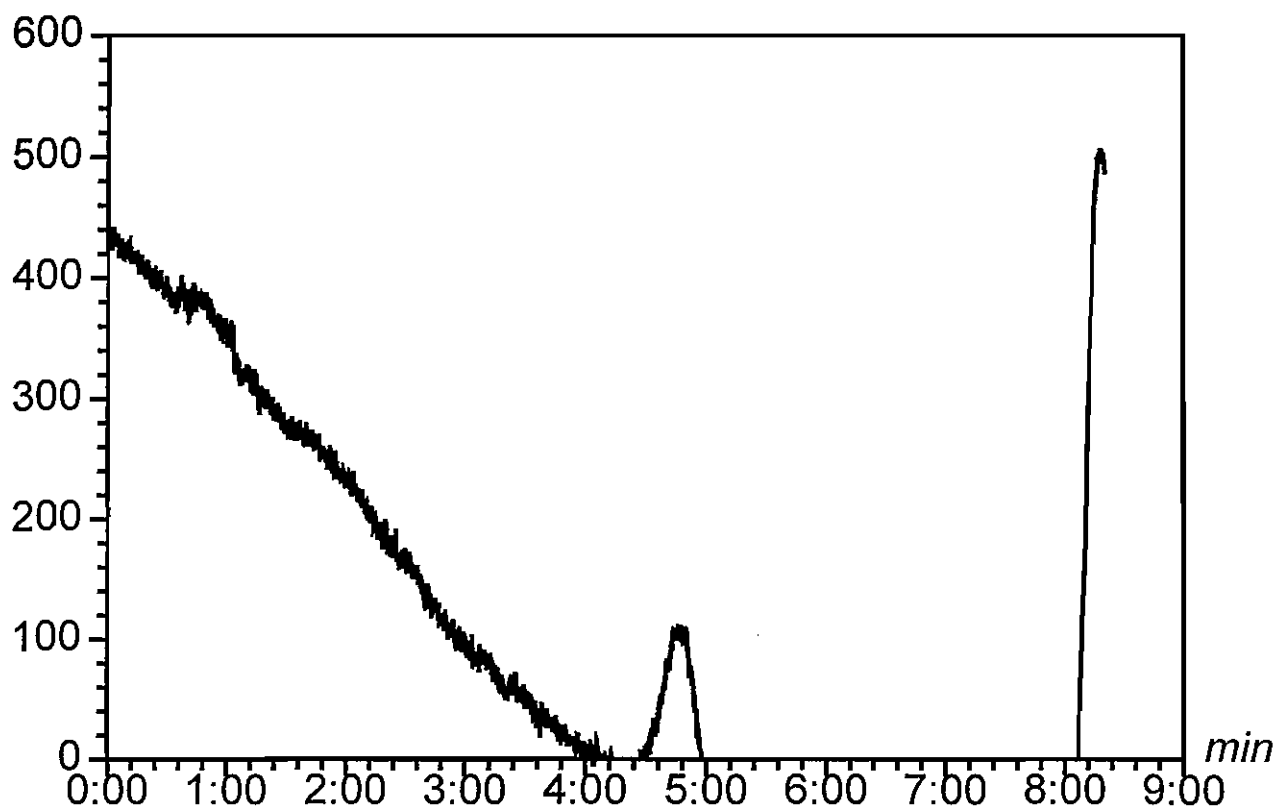
'C:\WPEAK\TO142.JOB' Run #292 10/7/99 8:26AM



INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
carrier gas run ☐ adjust flow ☐ cancel run

	Name	Conc	Height	Area	Time
1	unknown		155	200898	0:53

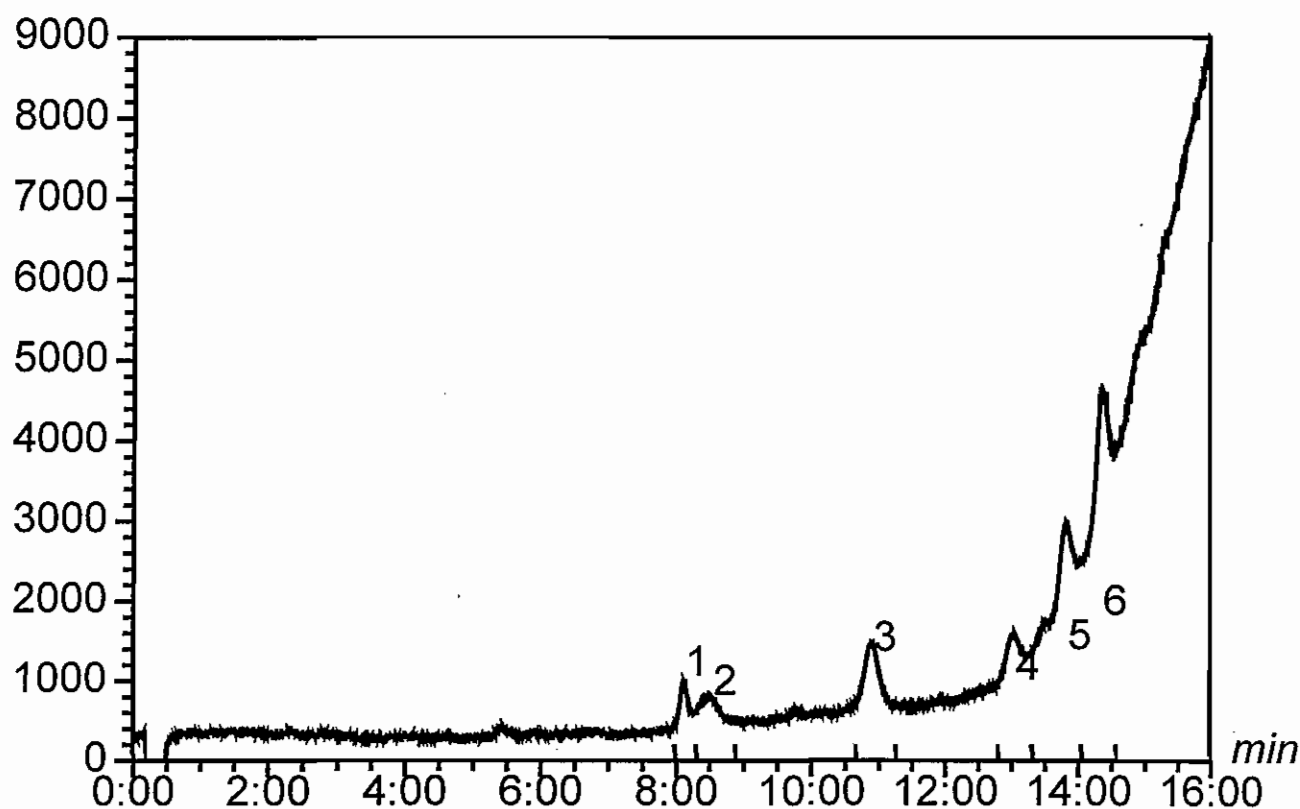
'C:\WPEAK\TO142.JOB' Run #292 10/7/99 8:26AM



INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
carrier gas run ☐ adjust flow ☐ cancel run

Name	Conc	Height	Area	Time
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'C:\WPEAK\T0142.JOB' Run #291 10/6/99 4:56PM



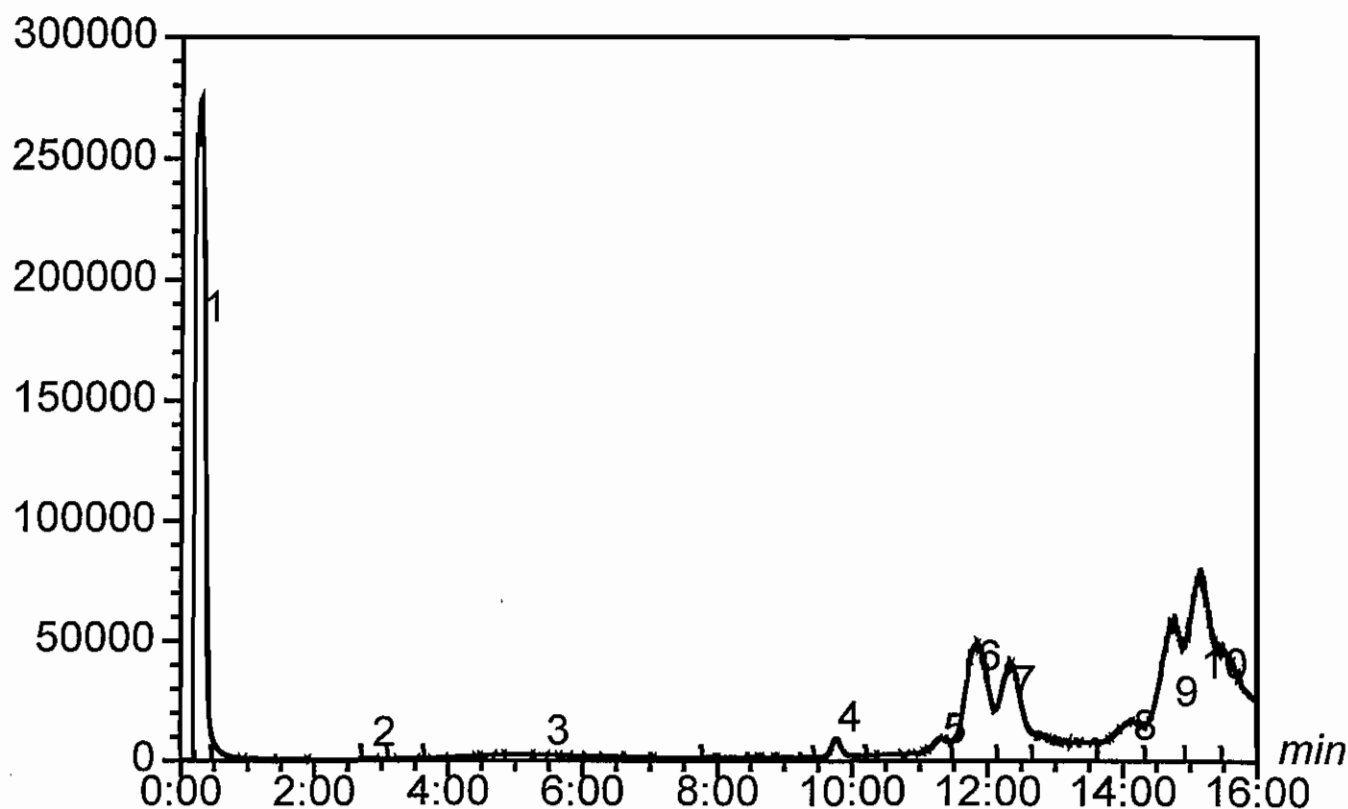
INJ/DET Temp=180
Oven Temp=50
Syringe Inj=On
Cont. Pump=Off
311 Plotter=Off
311 TWA Cycle=1
Comment:
s-alfb1□□0-4 feet

Analysis time=16:00
Sample Time=0:20
Alarms=Off
Paper Save=Off
311 TWA=Off
Calibration Cycle=0
311 STEL=Off
Repeat Cycle=1

Inject Time=0:10

	Name	Conc	Height	Area	Time
1	styrene	0.695	434	150738	8:09
2	unknown		197	239686	8:33
3	unknown		740	498480	10:55
4	unknown		385	604626	13:04
5	unknown		767	1518034	13:51
6	unknown		1200	1944909	14:23

'C:\WPEAK\TO142.JOB' Run #291 10/6/99 4:56PM



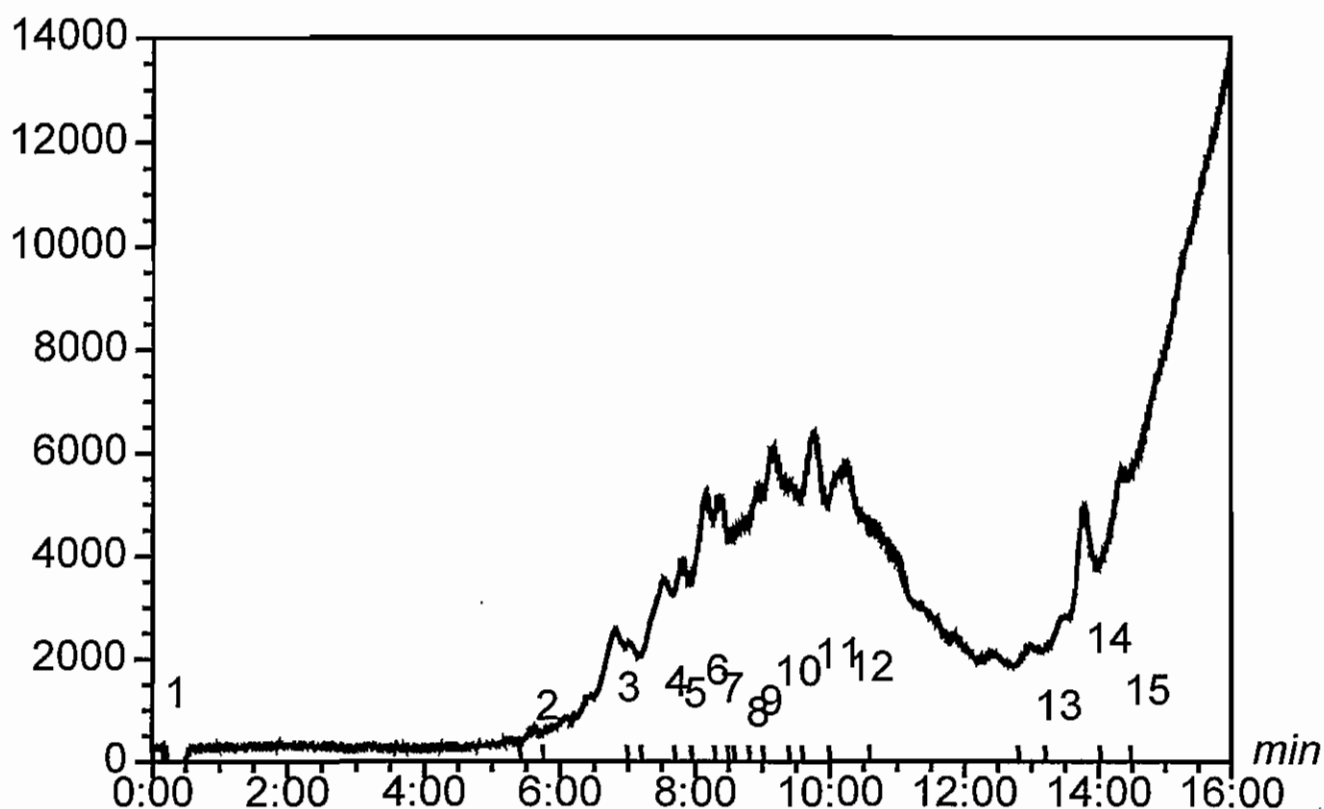
INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
s-alfb10-4 feet

Name	Conc	Height	Area	Time
1 dichlorodifluoromethane	1.104	177400	51768123	0:18
2 1,1,2-trichloro-1,2,2-trifluoroethane	0.004	162	145290	2:52
3 carbon tetrachloride	0.518	1200	6864844	5:28
4 unknown		7214	2783477	9:48
5 Carrier Gas Impurity	0.389	1964	5150676	11:21
6 Carrier Gas Impurity	1.760	32425	23305256	11:51
7 unknown		22006	16793374	12:22
8 unknown		3531	9607688	14:09
9 Carrier Gas impurity	1.968	17655	26070610	14:46
10 unknown		29366	37281093	15:09

'C:\WPEAK\TO142.JOB' Run #290 10/6/99 3:58PM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	1.255	281468	58859789	0:18
2	1,2-dichlorotetrafluoroethane	0.003	331	217252	1:18
3	1,1-dichloroethane	0.043	694	839970	3:14
4	unknown		2137	9633353	4:35
5	unknown		16959	6351249	9:48
6	Carrier Gas Impurity	0.802	8911	10626489	11:17
7	unknown		41873	32702624	11:49
8	unknown		25923	22802891	12:19
9	unknown		-21	3636171	13:24
10	unknown		4533	20020450	14:09
11	Carrier Gas impurity	2.840	24385	37619217	14:44
12	unknown		41980	50062581	15:09

'C:\WPEAK\TO142.JOB' Run #290 10/6/99 3:58PM



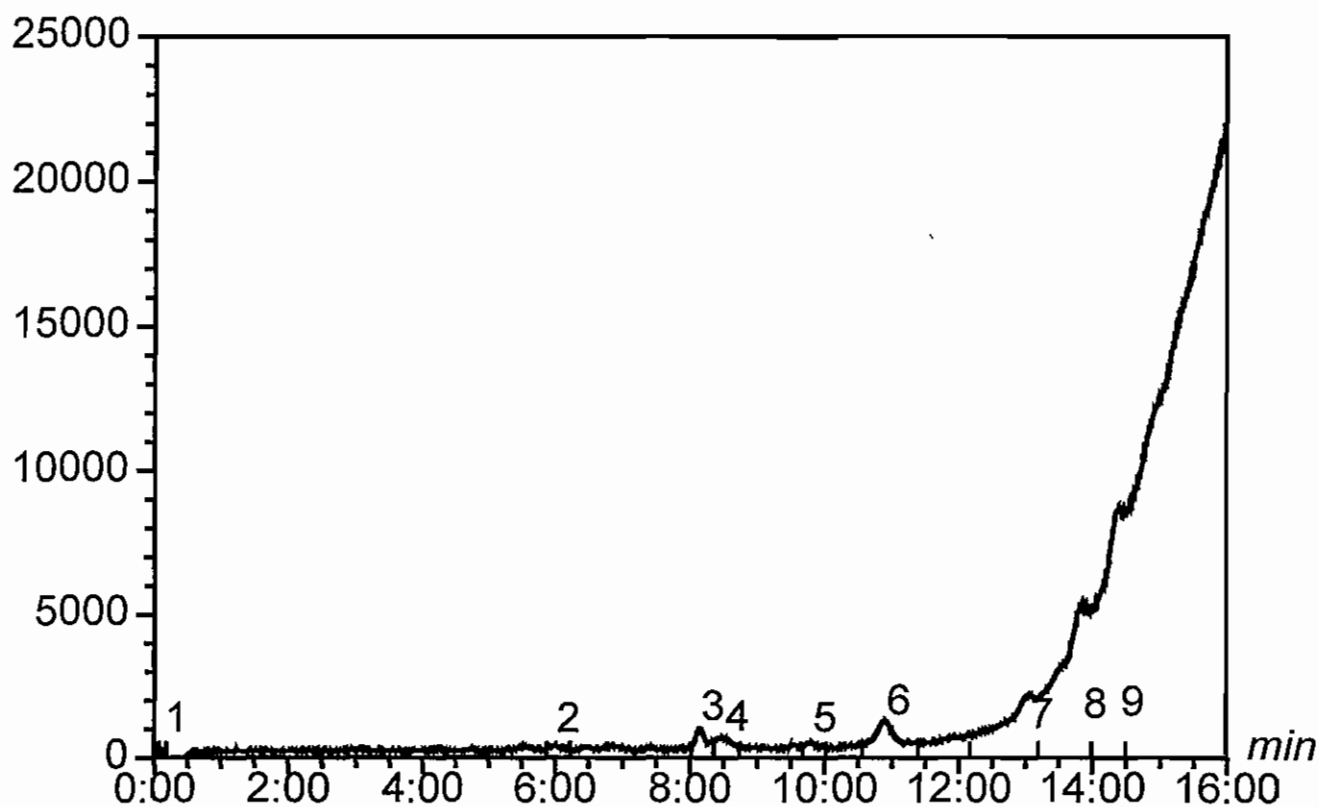
INJ/DET Temp=180
Oven Temp=50
Syringe Inj=On
Cont. Pump=Off
311 Plotter=Off
311 TWA Cycle=1
Comment:
s-alfg6□□8-12 feet

Analysis time=16:00 Inject Time=0:10
Sample Time=0:20
Alarms=Off Paper Save=Off
311 TWA=Off 311 STEL=Off
Calibration Cycle=0 Repeat Cycle=1

'C:\WPEAK\TO142.JOB' Run #290 10/6/99 3:58PM

	Name	Conc	Height	Area	Time
1	unknown		382	0	0:11
2	1,2-dibromoethane	0.062	119	101365	5:39
3	ethylbenzene	1.308	480	1462099	6:51
4	unknown		587	1496325	7:33
5	p-xylene	4.771	372	946760	7:50
6	styrene	7.735	820	1677491	8:10
7	styrene	5.097	472	1105492	8:23
8	unknown		-2	1085646	8:46
9	unknown		222	1143589	8:57
10	o-xylene	18.616	797	2349825	9:11
11	1,3,5-trimethylbenzene	2.699	1139	2451334	9:47
12	unknown		880	3426411	10:15
13	unknown		125	847962	13:03
14	unknown		1439	2826500	13:48
15	unknown		423	2399799	14:23

'C:\WPEAK\TO142.JOB' Run #289 10/6/99 3:19PM



INJ/DET Temp=180

Oven Temp=50

Syringe Inj=On

Cont. Pump=Off

311 Plotter=Off

311 TWA Cycle=1

Comment:

s-alfg6□□4-8 feet

Analysis time=16:00

Sample Time=0:20

Alarms=Off

311 TWA=Off

Calibration Cycle=0

Inject Time=0:10

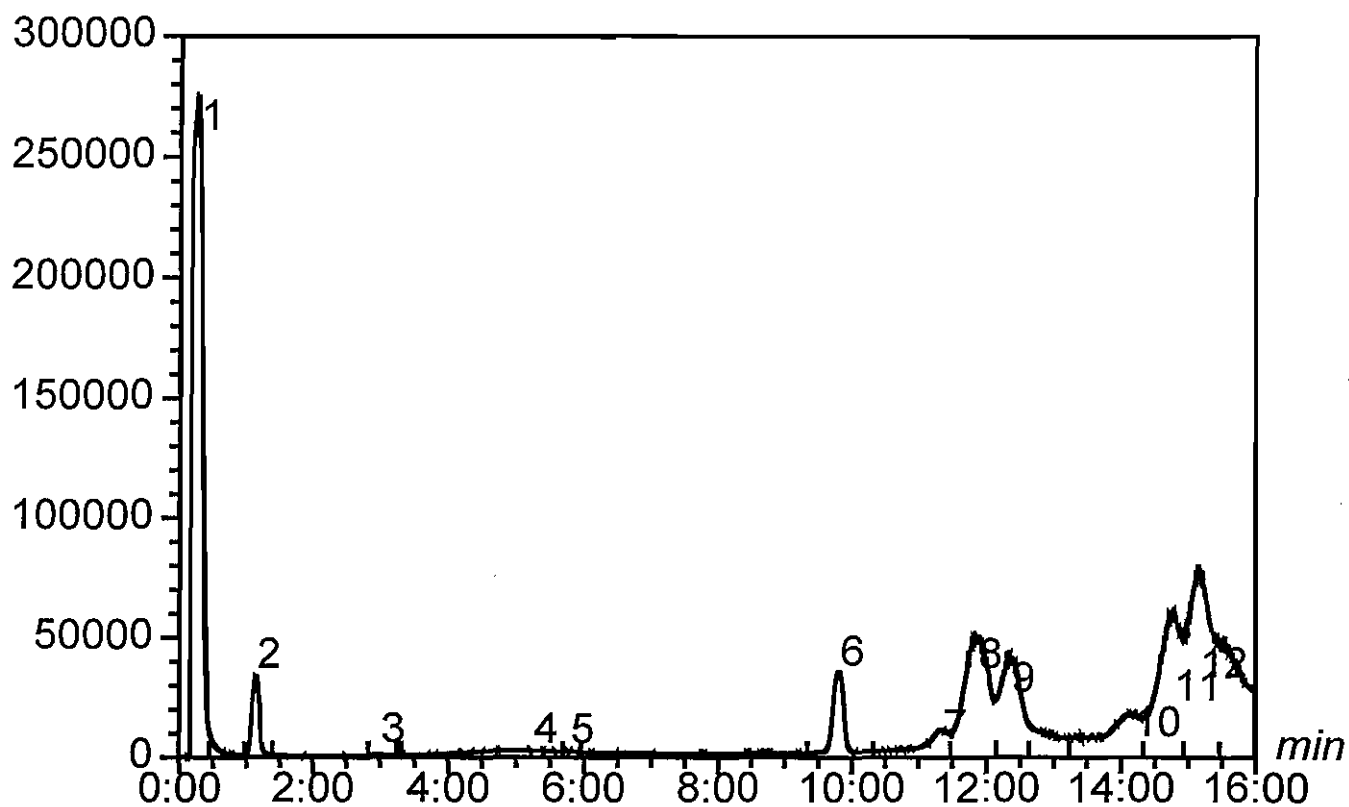
Paper Save=Off

311 STEL=Off

Repeat Cycle=1

	Name	Conc	Height	Area	Time
1	unknown		112	0	0:09
2	1,2-dibromoethane	0.052	102	84346	6:02
3	styrene	0.927	533	201035	8:10
4	unknown		194	203430	8:32
5	1,3,5-trimethylbenzene	0.139	137	126641	9:50
6	unknown		722	578265	10:56
7	unknown		237	1386917	13:04
8	unknown		604	3099332	13:52
9	Carrier Gas Impurity	2.406	700	3928480	14:25

'C:\WPEAK\TO142.JOB' Run #289 10/6/99 3:19PM



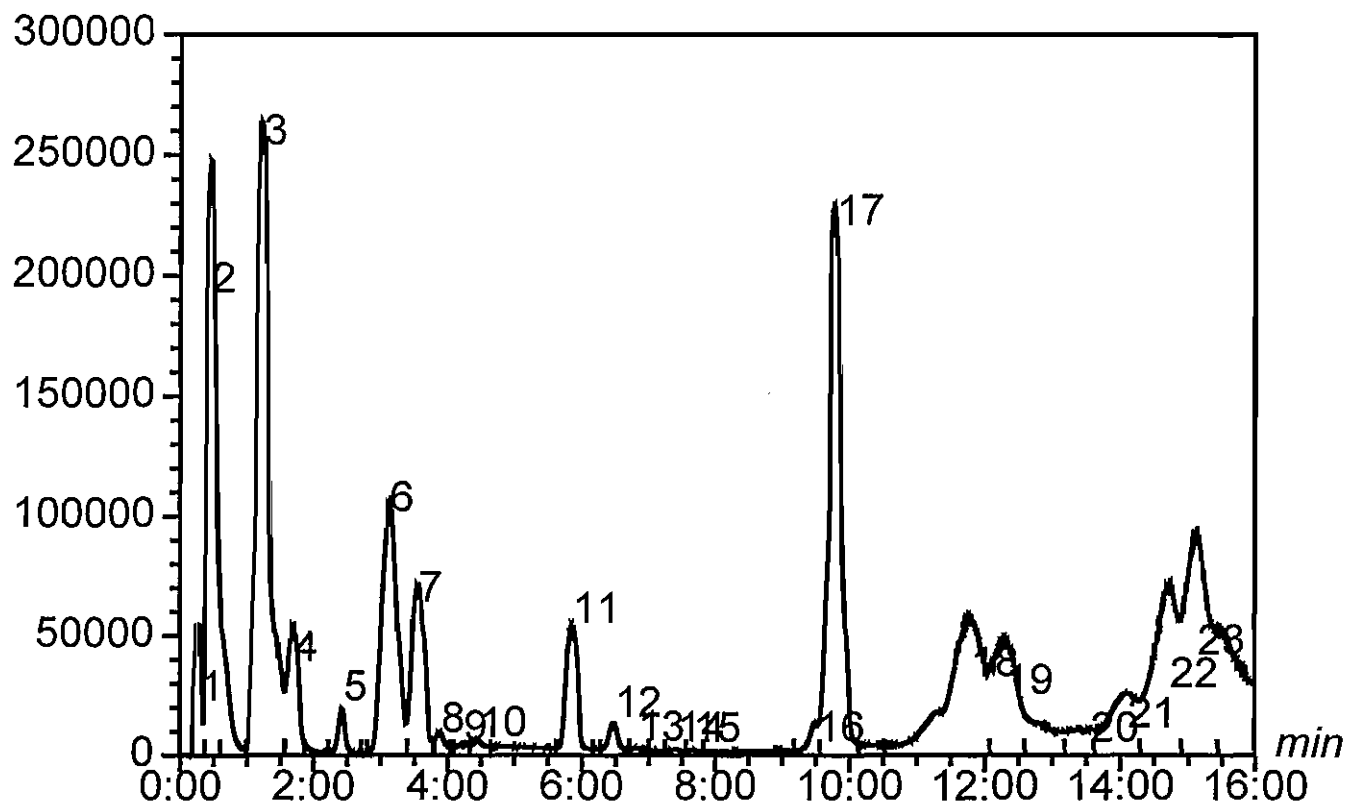
INJ/DET Temp=180
Oven Temp=50
Syringe Inj=On
Cont. Pump=Off
311 Plotter=Off
311 TWA Cycle=1
Comment:
s-alfg6□□4-8 feet

Analysis time=16:00 Inject Time=0:10
Sample Time=0:20
Alarms=Off Paper Save=Off
311 TWA=Off 311 STEL=Off
Calibration Cycle=0 Repeat Cycle=1

'C:\WPEAK\TO142.JOB' Run #289 10/6/99 3:19PM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	1.197	255434	56133467	0:17
2	1,2-dichlorotetrafluoroethane	0.073	31727	5367618	1:09
3	1,1,2-trichloro-1,2,2-trifluoroethane	0.008	331	264572	3:00
4	unknown		543	4779771	5:16
5	carbon tetrachloride	0.050	262	660888	5:48
6	unknown		32974	9423877	9:50
7	unknown		2045	6070543	11:22
8	Carrier Gas Impurity	1.913	31475	25334124	11:53
9	unknown		21645	17354452	12:22
10	unknown		3159	13887117	14:11
11	Carrier Gas impurity	2.071	18359	27429604	14:47
12	unknown		27868	38419673	15:10

'C:\WPEAK\TO142.JOB' Run #288 10/6/99 2:48PM



INJ/DET Temp=180

Analysis time=16:00

Inject Time=0:10

Oven Temp=50

Sample Time=0:20

Syringe Inj=On

Alarms=Off

Paper Save=Off

Cont. Pump=Off

311 Plotter=Off

311 TWA=Off

311 STEL=Off

311 TWA Cycle=1

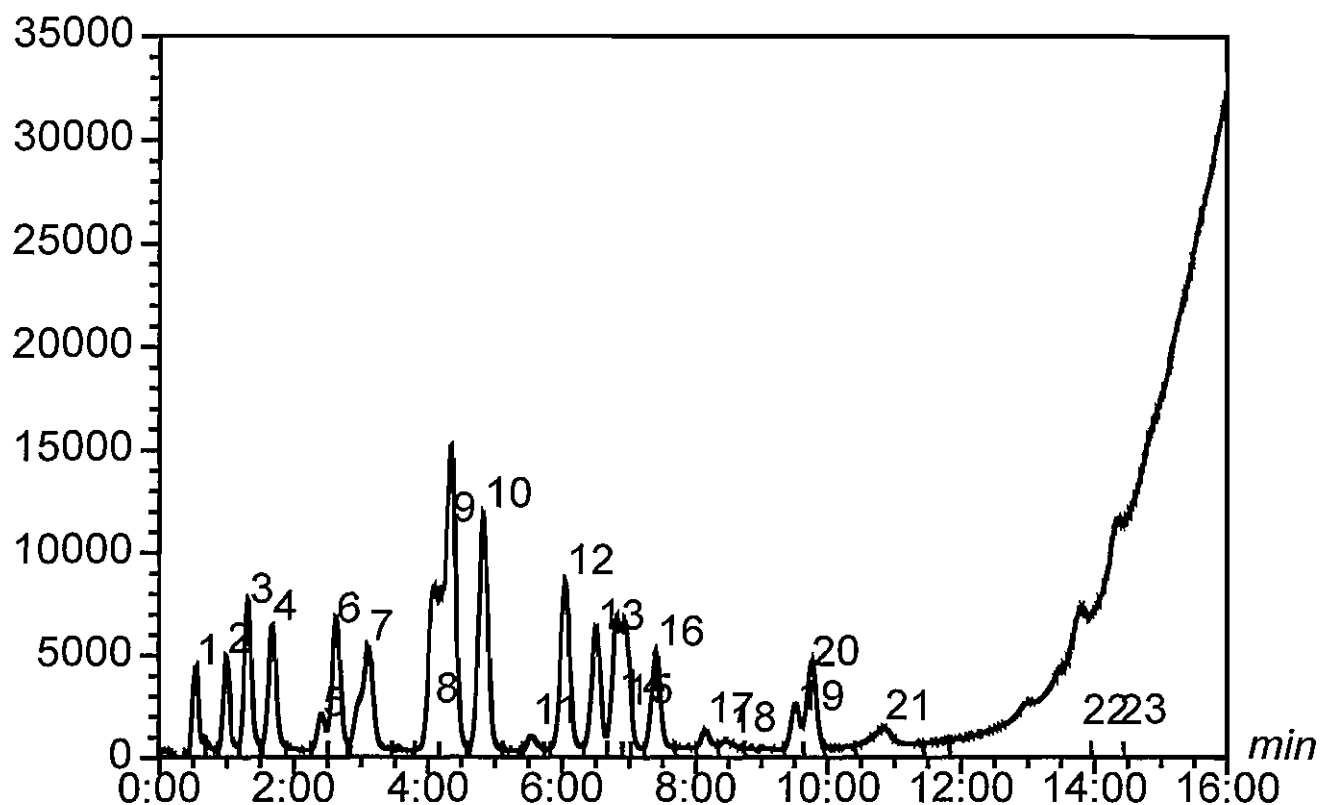
Calibration Cycle=0

Repeat Cycle=1

Comment:

midpoint calibration ☐ 1.0 ppm TO-14

'C:\WPEAK\TO142.JOB' Run #288 10/6/99 2:48PM

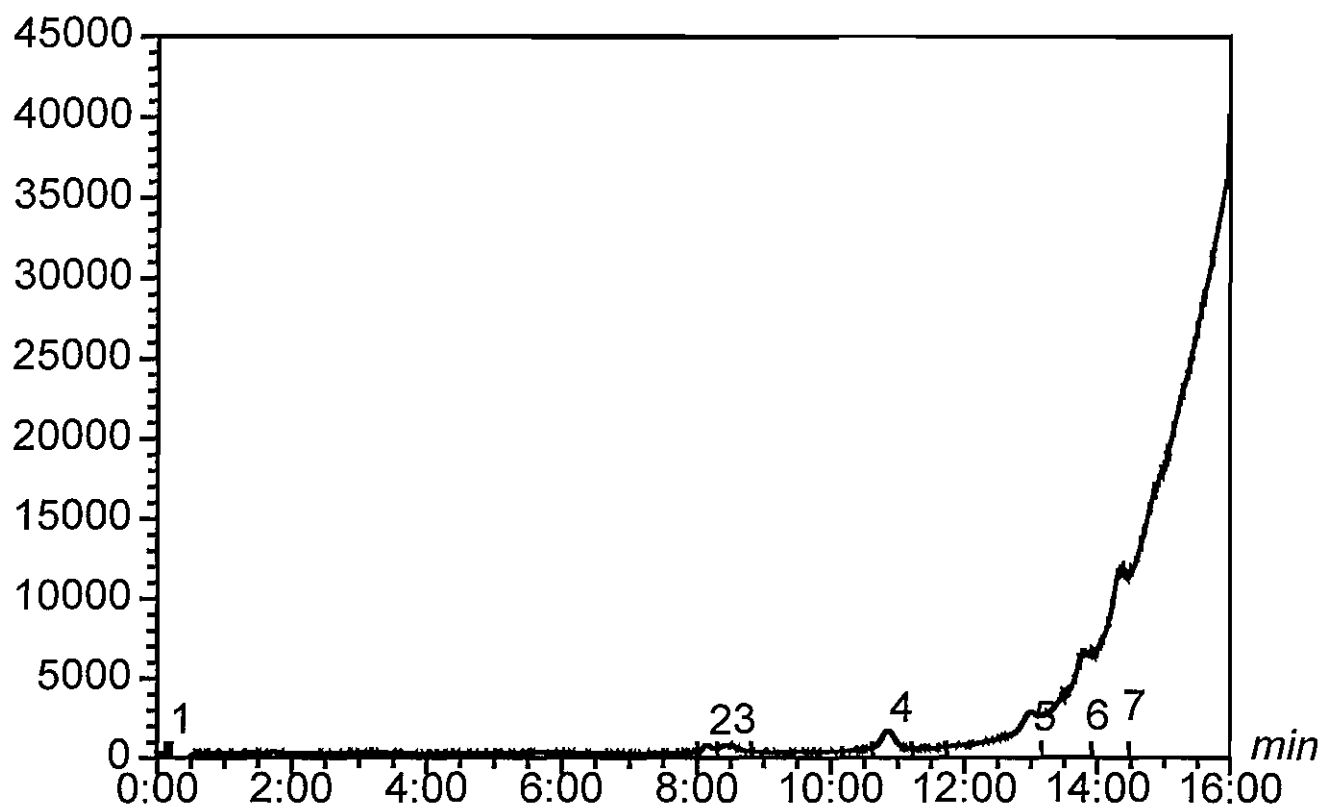


INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
midpoint calibration □ □ 1.0 ppm TO-14

'C:\WPEAK\TO142.JOB' Run #288 10/6/99 2:48PM

	Name	Conc	Height	Area	Time
1	vinyl chloride	5.079	3492	543772	0:33
2	bromomethane	4.597	4077	634340	1:01
3	1,1-dichloroethene	4.873	6449	1115000	1:21
4	methylene chloride	4.988	5646	1019515	1:42
5	3-chloropropene	4.273	952	293560	2:26
5	cis-1,2-dichloroethene	1.282	952	293560	2:26
6	cis-1,2-dichloroethene	4.934	5517	1129754	2:39
7	benzene	4.786	4643	1327355	3:07
8	trans-1,3-dichloropropene	2.279	1613	1407486	4:06
9	unknown		10399	3562334	4:21
10	unknown		11140	2282524	4:51
11	unknown		605	157217	5:34
12	1,2-dibromoethane	5.563	7868	1632495	6:04
13	chlorobenzene	5.542	5197	1137024	6:32
13	ethylbenzene	7.214	5197	1137024	6:32
14	ethylbenzene	7.091	1794	1117644	6:51
15	unknown		1552	844655	6:57
16	unknown		4403	953174	7:26
17	styrene	1.093	662	216878	8:11
18	unknown		187	167742	8:31
19	4-methyltoluene	4.455	1255	440793	9:33
20	1,3,5-trimethylbenzene	5.149	3420	908282	9:47
21	unknown		791	691443	10:52
22	unknown		569	5734666	13:49
23	unknown		583	5004690	14:23

'C:\WPEAK\TO142.JOB' Run #287 10/6/99 2:12PM



INJ/DET Temp=180

Oven Temp=50

Syringe Inj=On

Cont. Pump=Off

311 Plotter=Off

311 TWA Cycle=1

Comment:

s-alfg6□□0-4 feet

Analysis time=16:00

Sample Time=0:20

Alarms=Off

311 TWA=Off

Calibration Cycle=0

Inject Time=0:10

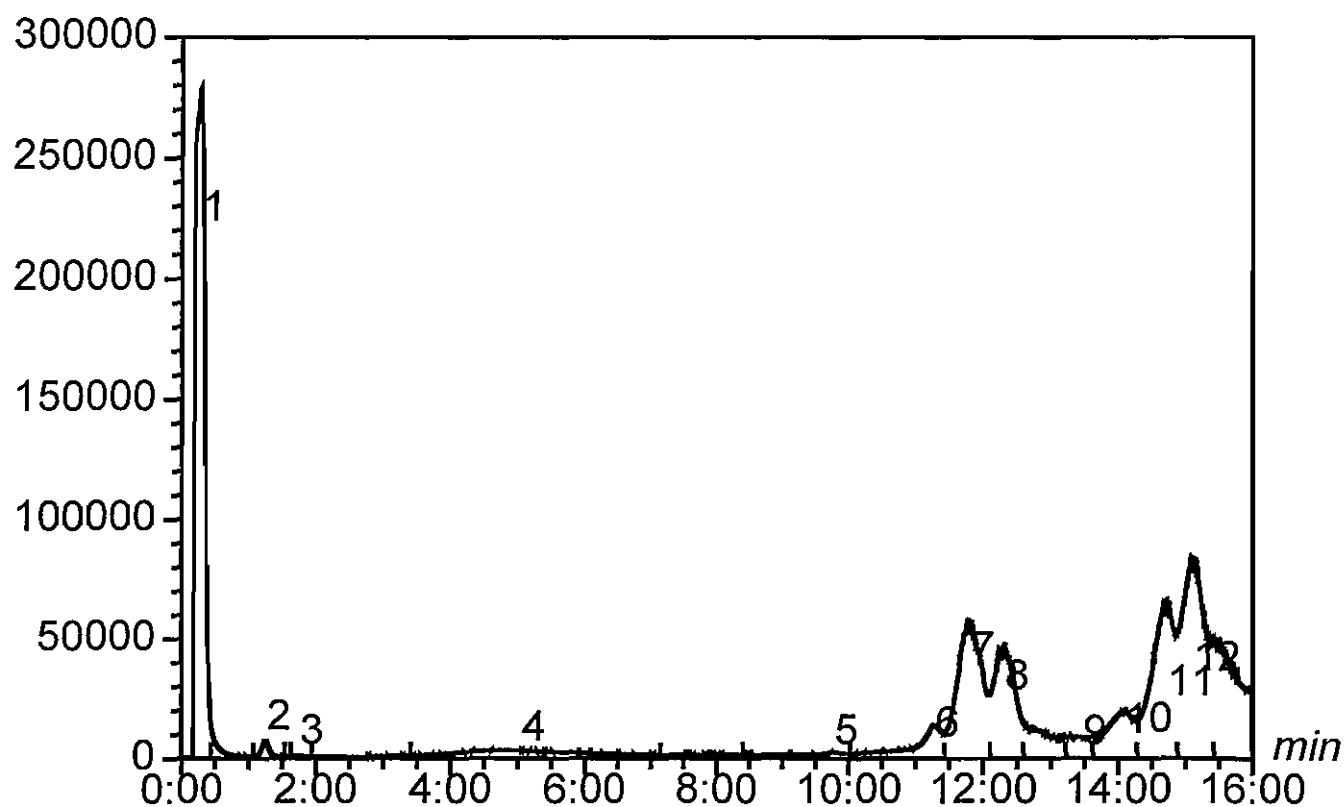
Paper Save=Off

311 STEL=Off

Repeat Cycle=1

	Name	Conc	Height	Area	Time
1	unknown		334	0	0:11
2	styrene	0.556	280	110423	8:11
3	unknown		292	209272	8:32
4	unknown		1076	528255	10:53
5	unknown		458	1770745	13:02
6	unknown		560	3470115	13:50
7	unknown		1185	5456370	14:22

'C:\WPEAK\TO142.JOB' Run #287 10/6/99 2:13PM



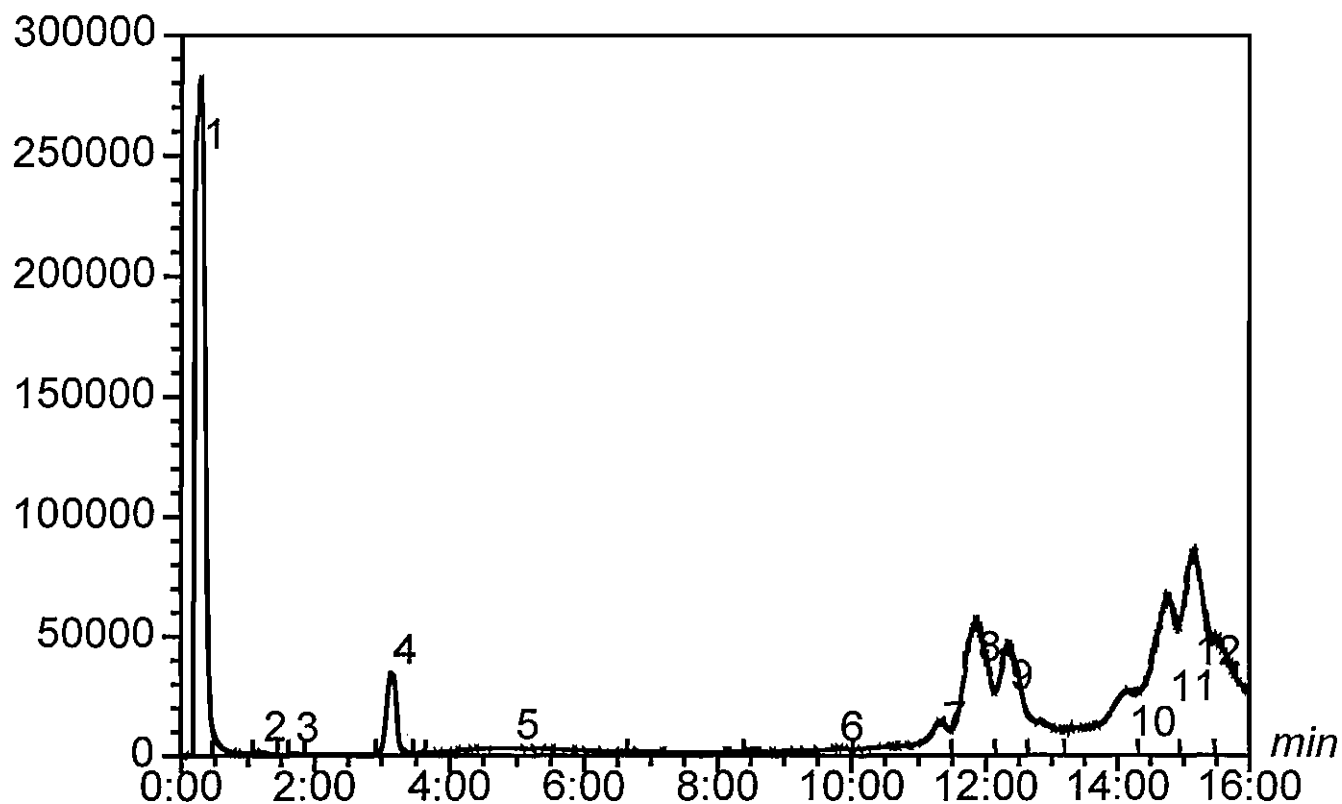
INJ/DET Temp=180
Oven Temp=50
Syringe Inj=On
Cont. Pump=Off
311 Plotter=Off
311 TWA Cycle=1
Comment:
s-alfg6□□0-4 feet

Analysis time=16:00 Inject Time=0:10
Sample Time=0:20
Alarms=Off Paper Save=Off
311 TWA=Off 311 STEL=Off
Calibration Cycle=0 Repeat Cycle=1

'C:\WPEAK\TO142.JOB' Run #287 10/6/99 2:13PM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	4.112	218395	54304415	0:18
2	1,2-dichlorotetrafluoroethane	0.062	6403	1240467	1:17
3	chloroethane	0.133	418	190542	1:46
4	unknown		1954	8848995	5:04
5	unknown		609	2726810	9:48
6	Carrier Gas Impurity	3.905	3737	7191103	11:18
7	Carrier Gas Impurity	15.088	35003	27786053	11:50
8	unknown		23292	19428801	12:19
9	unknown		156	3830718	13:29
10	unknown		5334	10714327	14:06
11	Carrier Gas impurity	15.780	20923	29060052	14:43
12	unknown		31230	39667327	15:07

'C:\WPEAK\TO142.JOB' Run #286 10/6/99 1:43PM



INJ/DET Temp=180

Oven Temp=50

Syringe Inj=On

Cont. Pump=Off

311 Plotter=Off

311 TWA Cycle=1

Comment:

s-alfg4 8-12 feet

Analysis time=16:00

Sample Time=0:20

Alarms=Off

311 TWA=Off

Calibration Cycle=0

Inject Time=0:10

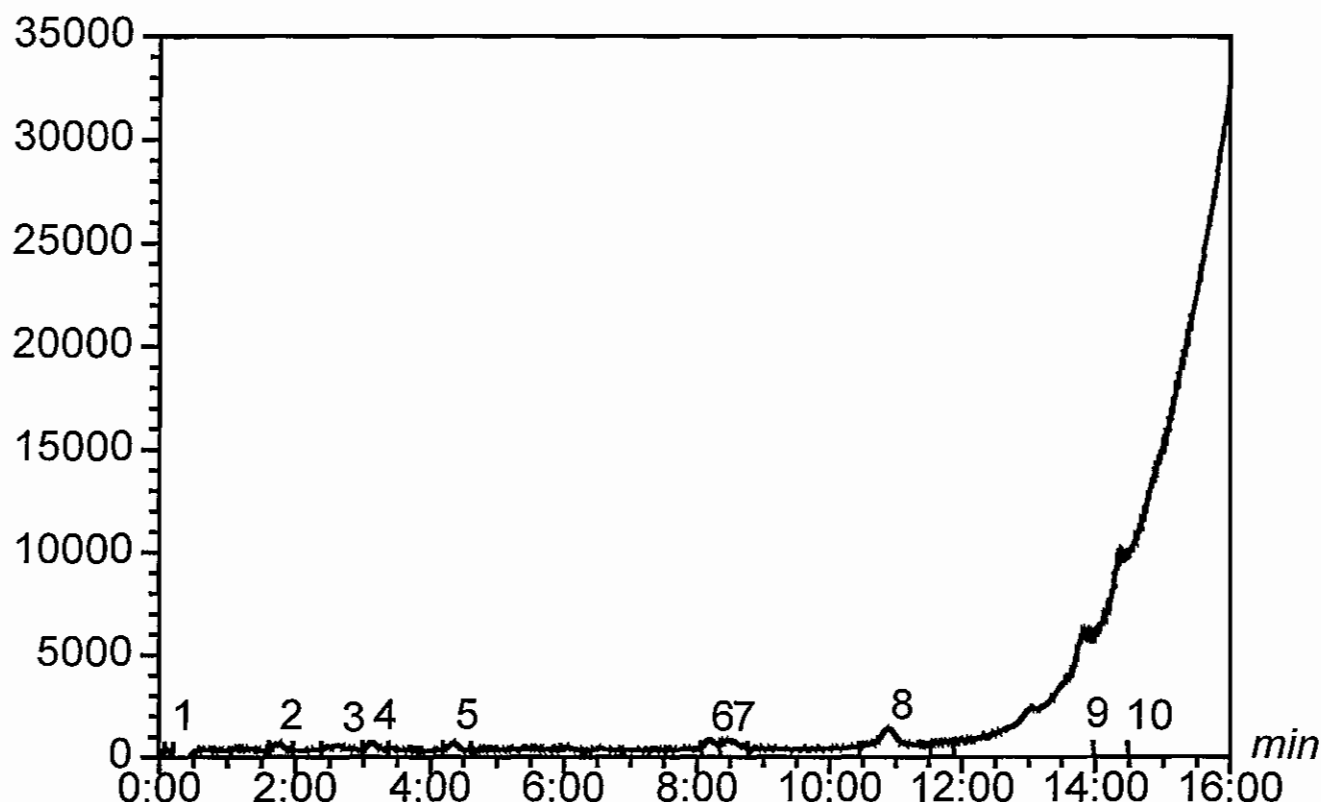
Paper Save=Off

311 STEL=Off

Repeat Cycle=1

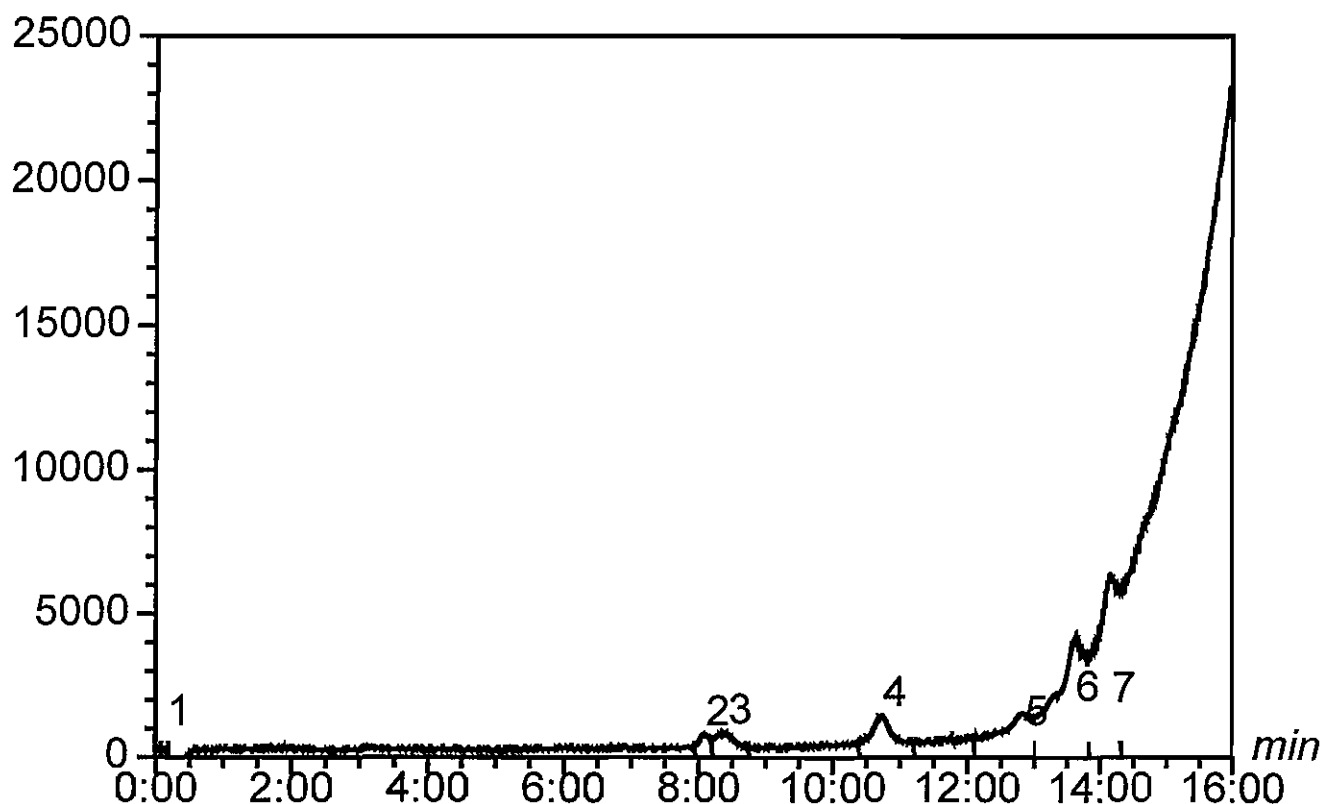
'C:\WPEAK\TO142.JOB' Run #286 10/6/99 1:43PM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	4.278	247112	56491736	0:18
2	1,2-dichlorotetrafluoroethane	0.017	790	333240	1:15
3	chloroethane	0.073	144	104322	1:43
4	1,1,2-trichloro-1,2,2-trifluoroethane	0.610	32848	6652464	3:09
5	unknown		1514	7164178	4:59
6	unknown		675	3287950	9:51
7	Carrier Gas Impurity	4.692	4392	8640651	11:21
8	Carrier Gas Impurity	14.787	33933	27231910	11:53
9	unknown		22179	19628689	12:21
10	unknown		2596	20683760	14:11
11	Carrier Gas impurity	17.909	17431	32979770	14:47
12	unknown		32154	41387558	15:10



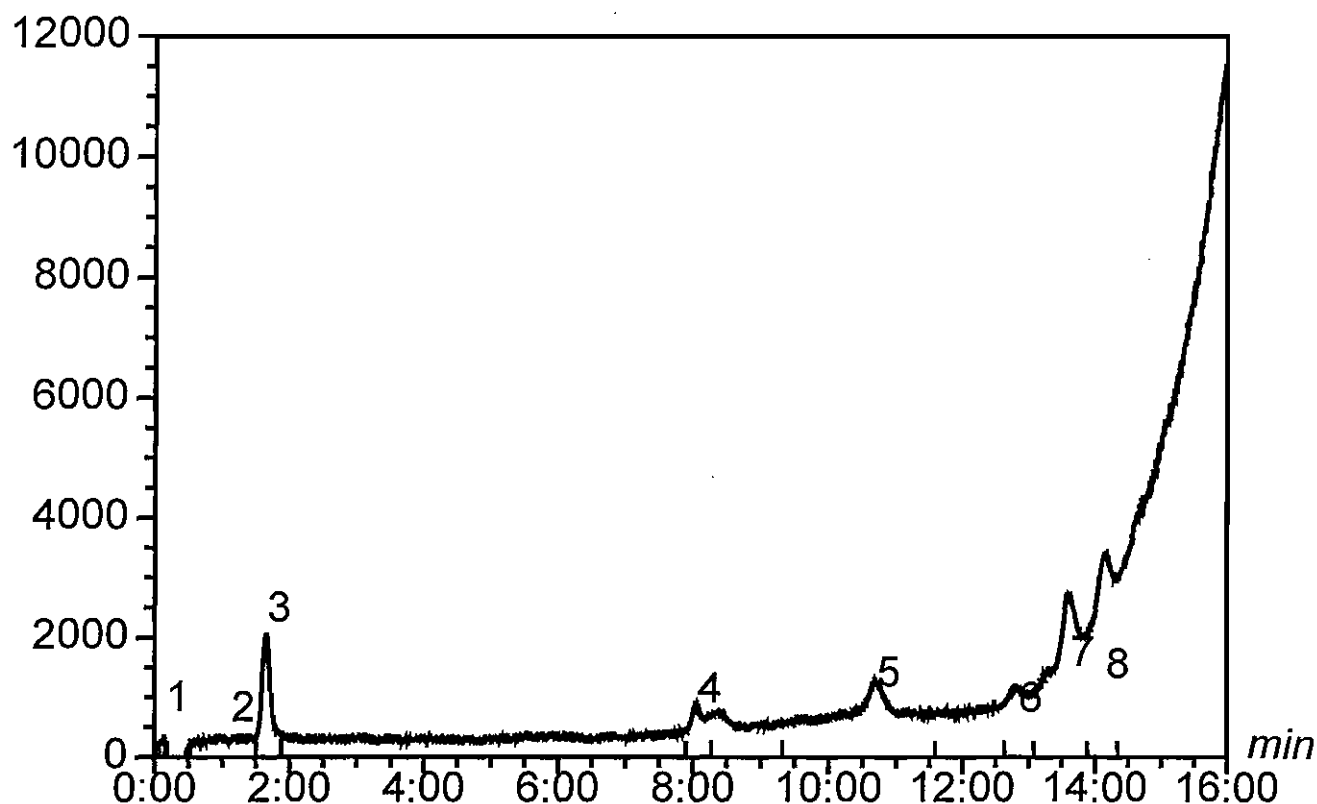
INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
 Oven Temp=50 Sample Time=0:20
 Syringe Inj=On Alarms=Off Paper Save=Off
 Cont. Pump=Off
 311 Plotter=Off 311 TWA=Off 311 STEL=Off
 311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
 Comment:
 s-alfg4 8-12 feet

	Name	Conc	Height	Area	Time
1	unknown		317	0	0:11
2	methylene chloride	0.415	295	84873	1:46
3	cis-1,2-dichloroethene	0.504	178	115335	2:41
4	benzene	0.351	302	97350	3:09
5	unknown		314	85088	4:23
6	styrene	0.622	235	123535	8:13
7	unknown		226	194222	8:32
8	unknown		812	625534	10:55
9	unknown		386	4700810	13:51
10	Carrier Gas Impurity	14.804	295	4344571	14:27



INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
 Oven Temp=50 Sample Time=0:20
 Syringe Inj=On Alarms=Off Paper Save=Off
 Cont. Pump=Off
 311 Plotter=Off 311 TWA=Off 311 STEL=Off
 311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
 Comment:
 s-alfg4 4-8 feet

	Name	Conc	Height	Area	Time
1	unknown		228	0	0:10
2	styrene	0.612	214	121434	8:07
3	unknown		277	260911	8:27
4	unknown		887	579363	10:45
5	unknown		224	836531	12:52
6	Carrier Gas Impurity	7.567	1081	2220605	13:39
7	unknown		1029	2638116	14:11

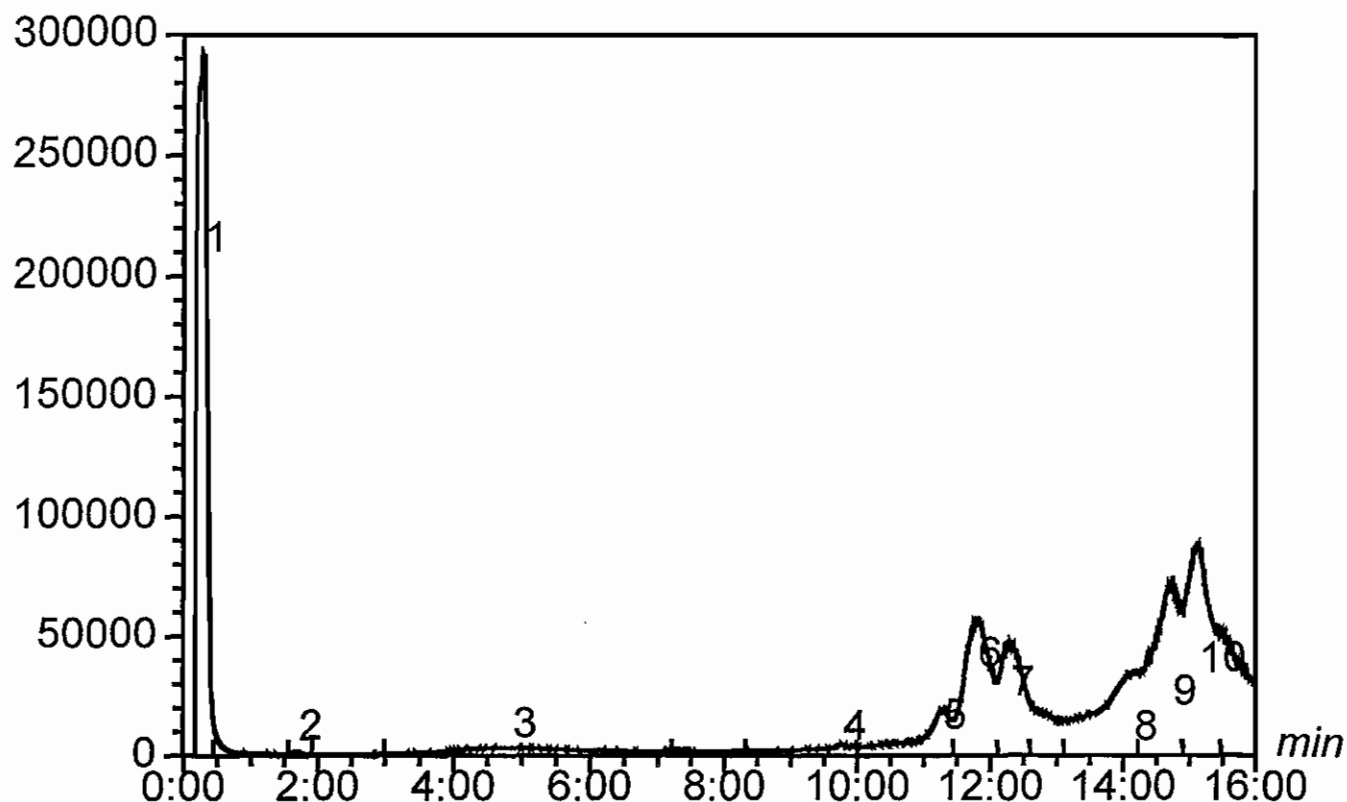


INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
 Oven Temp=50 Sample Time=0:20
 Syringe Inj=On Alarms=Off Paper Save=Off
 Cont. Pump=Off
 311 Plotter=Off 311 TWA=Off 311 STEL=Off
 311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
 Comment:
 s-alfg4□□0-4 feet

	Name	Conc	Height	Area	Time
1	unknown		175	0	0:09
2	bromomethane	0.732	-1	101004	1:08
2	1,1-dichloroethene	0.441	-1	101004	1:08
3	methylene chloride	1.673	1656	341895	1:40
4	p-xylene	1.024	309	203130	8:04
4	styrene	1.024	309	203130	8:04
5	1,2,4-trimethylbenzene	0.846	584	1438484	10:43
6	unknown		159	441912	12:51
7	Carrier Gas Impurity	5.017	923	1472305	13:38
8	unknown		726	1383761	14:10

'C:\WPEAK\TO142.JOB' Run #284 10/6/99 12:40PM

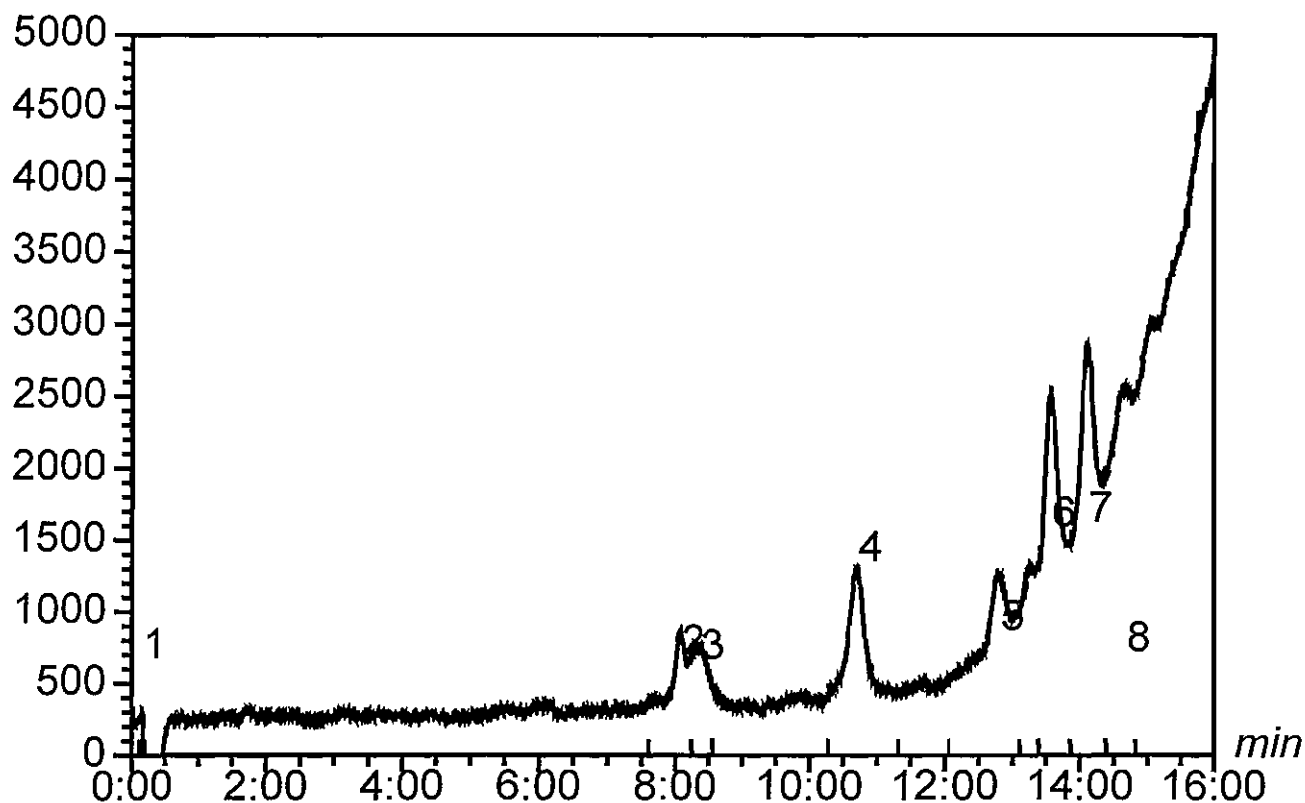
	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	4.461	282644	58914056	0:17
2	1,2-dichlorotetrafluoroethane	0.404	42890	8117912	1:14
3	chloroethane	2.202	19651	3149408	1:41
4	1,1,2-trichloro-1,2,2-trifluoroethane	0.027	257	299751	3:07
5	unknown		1789	8137550	5:03
6	unknown		982	1250037	9:39
7	Carrier Gas Impurity	4.107	3220	7564053	11:09
7	Carrier Gas Impurity	4.107	3220	7564053	11:09
8	unknown		32672	28881322	11:40
9	Carrier Gas Impurity	11.356	21186	20912178	12:09
10	unknown		5493	13113228	13:56
11	unknown		20313	31407326	14:33
12	Carrier Gas impurity	22.499	31084	41433044	14:57



INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
 Oven Temp=50 Sample Time=0:20
 Syringe Inj=On Alarms=Off Paper Save=Off
 Cont. Pump=Off
 311 Plotter=Off 311 TWA=Off 311 STEL=Off
 311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
 Comment:
 s-alfg5 8-12 feet

Name	Conc	Height	Area	Time
1 dichlorodifluoromethane	4.360	204842	57575580	0:18
2 chloroethane	0.248	1199	354256	1:43
3 unknown		2022	8999158	4:52
4 unknown		1248	4269844	9:48
5 Carrier Gas Impurity	6.315	5432	11629339	11:18
6 Carrier Gas Impurity	16.062	31670	29578554	11:50
7 unknown		19386	21325269	12:19
8 unknown		908	26745394	14:10
9 Carrier Gas impurity	21.757	15669	40067180	14:45
10 unknown		29511	45892342	15:09

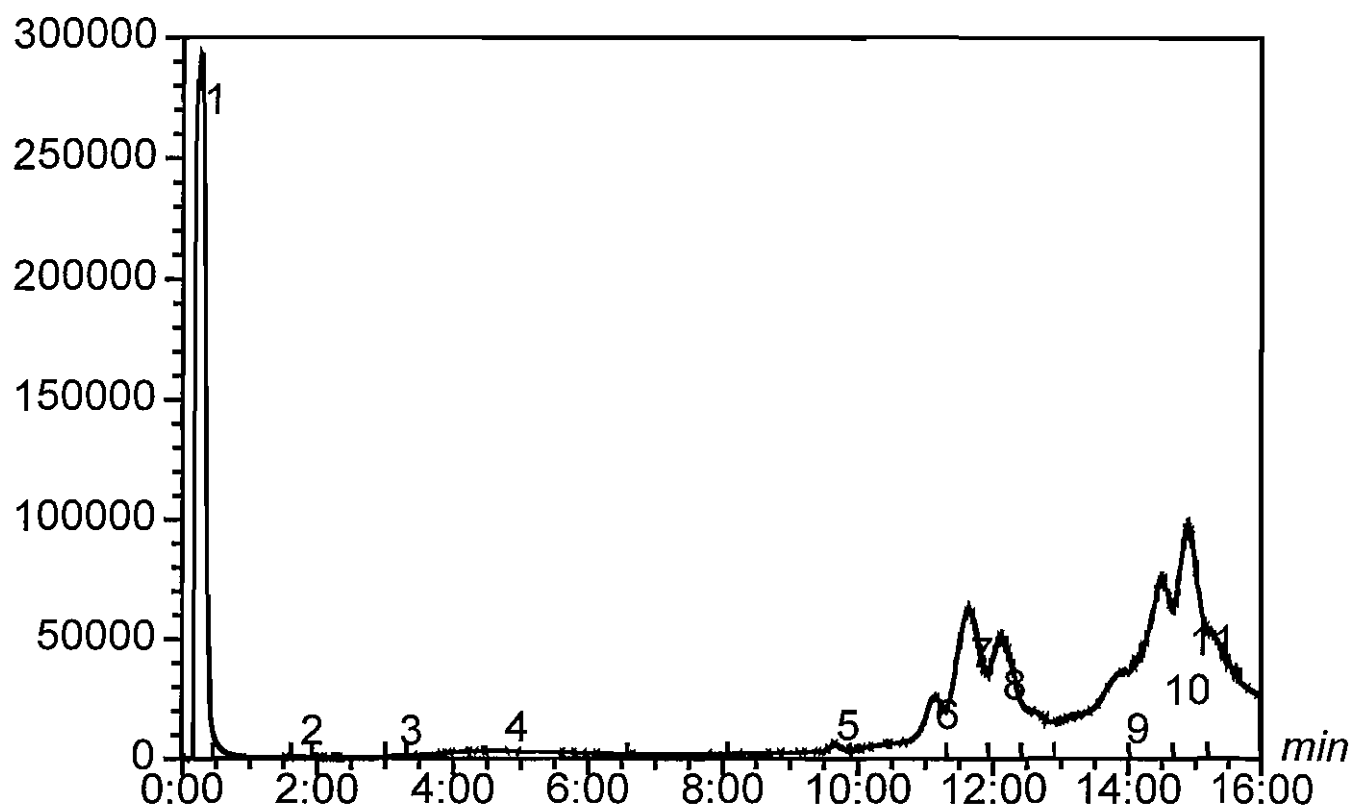
'C:\WPEAK\TO142.JOB' Run #282 10/6/99 11:45AM



INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
s-alfg5□□4-8 feet

	Name	Conc	Height	Area	Time
1	unknown		170	0	0:10
2	styrene	1.087	191	215791	8:06
3	styrene	0.872	156	172995	8:23
4	unknown		841	533439	10:44
5	1,3-dichlorobenzene	0.702	359	713948	12:50
6	Carrier Gas Impurity	2.990	1080	877351	13:36
7	unknown		1111	1134849	14:08
8	Carrier Gas Impurity	3.567	214	1046862	14:41

'C:\WPEAK\TO142.JOB' Run #282 10/6/99 11:45AM



INJ/DET Temp=180
Oven Temp=50
Syringe Inj=On
Cont. Pump=Off
311 Plotter=Off
311 TWA Cycle=1
Comment:
s-alfg5□□4-8 feet

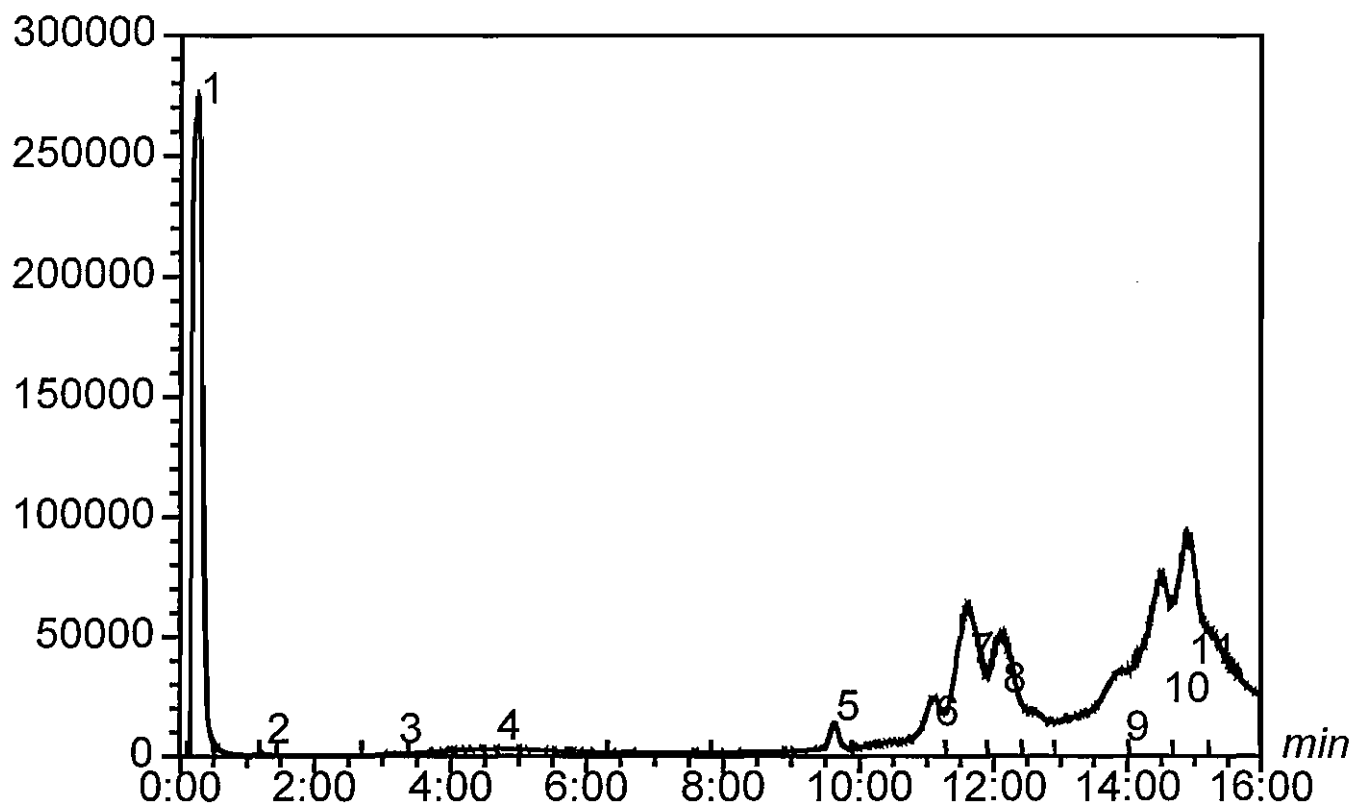
Analysis time=16:00
Sample Time=0:20
Alarms=Off
311 TWA=Off
Calibration Cycle=0

Inject Time=0:10
Paper Save=Off
311 STEL=Off
Repeat Cycle=1

'C:\WPEAK\TO142.JOB' Run #282 10/6/99 11:45AM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	4.474	262464	59091632	0:18
2	chloroethane	0.138	360	197930	1:45
3	unknown		118	276722	3:12
4	unknown		1862	8476637	4:46
5	unknown		2520	5414580	9:41
6	Carrier Gas Impurity	8.222	6997	15141905	11:09
6	Carrier Gas Impurity	8.222	6997	15141905	11:09
7	unknown		32692	32080786	11:39
8	Carrier Gas Impurity	12.662	19464	23318521	12:09
9	unknown		955	28885780	13:58
10	unknown		17108	41298612	14:31
11	Carrier Gas impurity	24.701	37614	45487787	14:54

'C:\WPEAK\TO142.JOB' Run #281 10/6/99 11:09AM



INJ/DET Temp=180

Analysis time=16:00

Inject Time=0:10

Oven Temp=50

Sample Time=0:20

Syringe Inj=On

Alarms=Off

Paper Save=Off

Cont. Pump=Off

311 Plotter=Off

311 TWA=Off

311 STEL=Off

311 TWA Cycle=1

Calibration Cycle=0

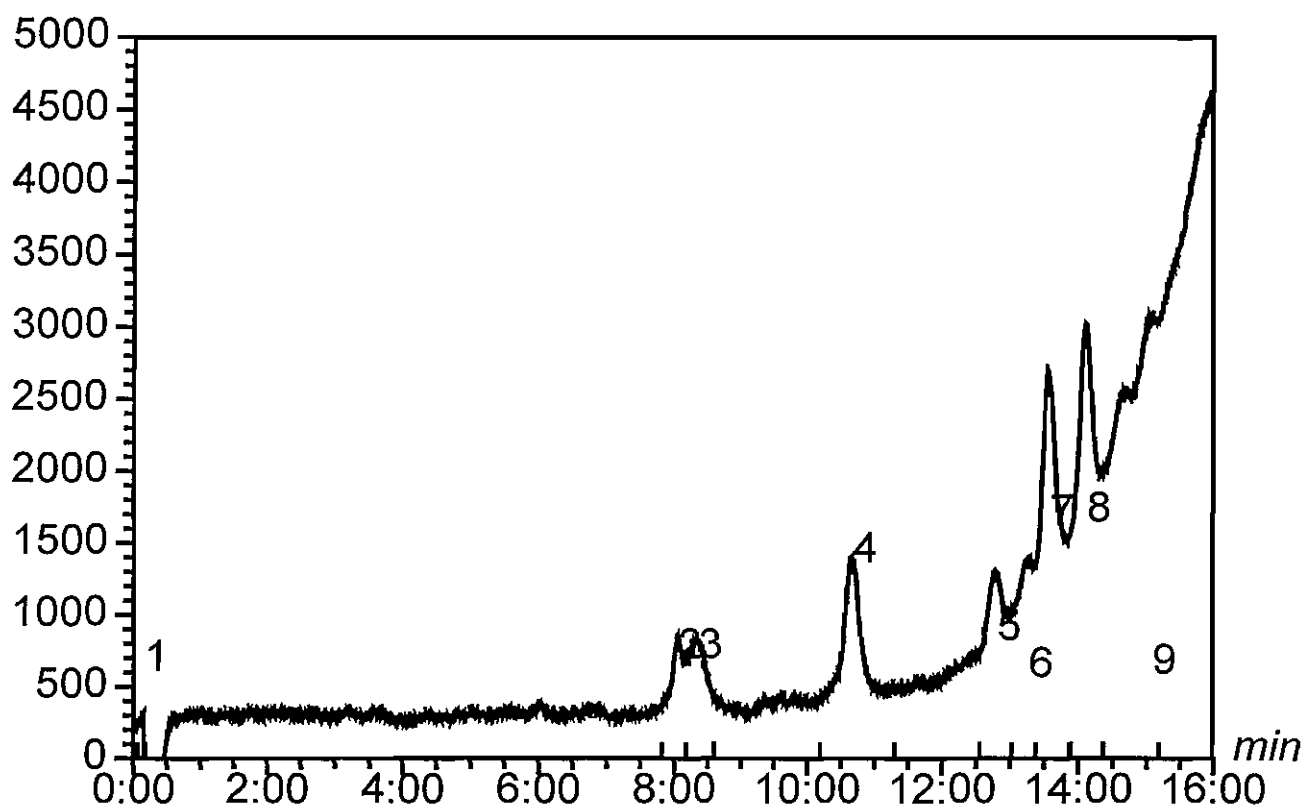
Repeat Cycle=1

Comment:

s-alfg5 0-4 feet

'C:\WPEAK\TO142.JOB' Run #281 10/6/99 11:09AM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	4.220	266721	55735408	0:17
2	1,2-dichlorotetrafluoroethane	0.009	112	176959	1:18
3	1,1-dichloroethane	0.153	202	570336	3:14
4	unknown		1634	7545902	4:41
5	unknown		9849	6978645	9:39
6	Carrier Gas Impurity	7.591	7655	13979859	11:08
6	Carrier Gas Impurity	7.591	7655	13979859	11:08
7	unknown		33876	31588386	11:39
8	Carrier Gas Impurity	13.009	21273	23957689	12:08
9	unknown		980	27717554	13:58
10	unknown		17359	40848396	14:31
11	Carrier Gas impurity	24.798	33367	45666916	14:54



INJ/DET Temp=180

Oven Temp=50

Syringe Inj=On

Cont. Pump=Off

311 Plotter=Off

311 TWA Cycle=1

Comment:

s-alfg50-4 feet

Analysis time=16:00

Sample Time=0:20

Alarms=Off

Paper Save=Off

311 TWA=Off

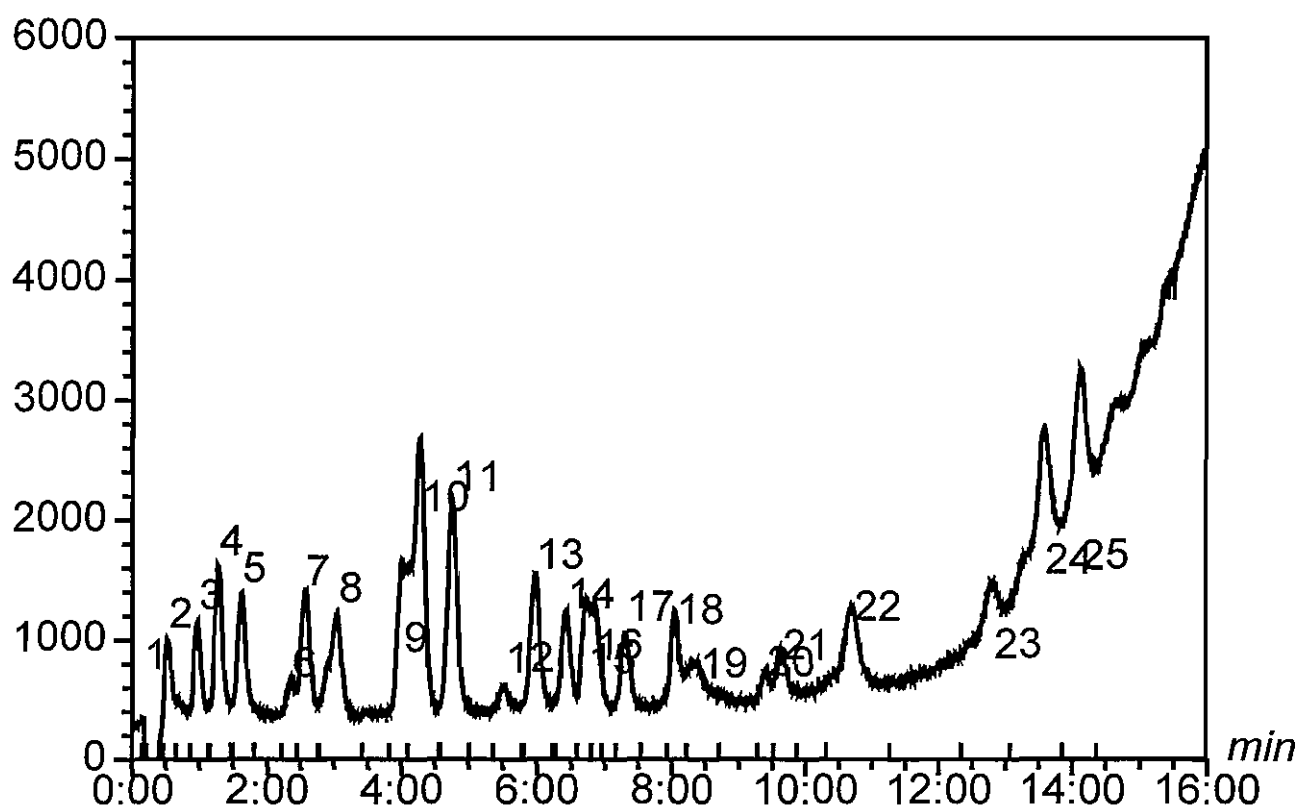
311 STEL=Off

Calibration Cycle=0

Repeat Cycle=1

	Name	Conc	Height	Area	Time
1	unknown		171	0	0:09
2	p-xylene	0.790	254	156749	8:04
2	styrene	0.790	254	156749	8:04
3	styrene	1.165	250	231181	8:22
4	1,2,4-trimethylbenzene	0.356	923	605202	10:42
5	1,3-dichlorobenzene	0.445	380	452402	12:49
6	unknown		124	402731	13:17
7	Carrier Gas Impurity	3.322	1184	974935	13:36
8	unknown		1201	1113584	14:08
9	unknown		146	2206719	15:05

'C:\WPEAK\TO142.JOB' Run #280 10/6/99 10:29AM

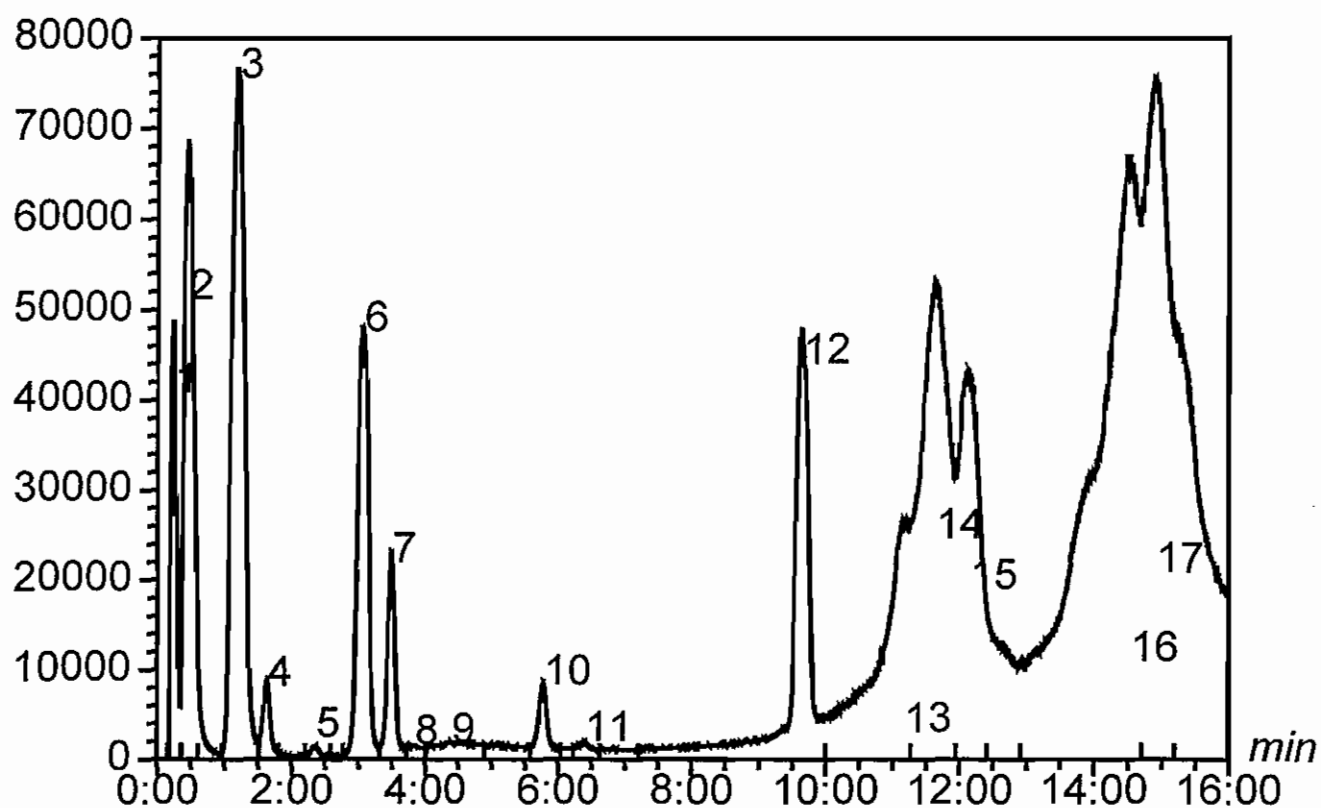


INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
calibration 0.20 ppm TO-14

'C:\WPEAK\TO142.JOB' Run #280 10/6/99 10:29AM

	Name	Conc	Height	Area	Time
1	unknown		182	0	0:11
2	vinyl chloride	0.721	527	107065	0:33
3	bromomethane	0.772	685	137986	0:59
4	1,1-dichloroethene	0.744	1133	228797	1:18
5	methylene chloride	0.203	907	204382	1:38
6	3-chloropropene	0.228	117	68706	2:23
6	cis-1,2-dichloroethene	0.769	117	68706	2:23
7	cis-1,2-dichloroethene	2.562	886	228987	2:35
8	benzene	0.200	738	277335	3:03
9	cis-1,3-dichloropropene	0.179	327	250588	4:02
9	trans-1,3-dichloropropene	0.662	327	250588	4:02
10	trans-1,3-dichloropropene	1.632	1500	617459	4:18
11	toluene	0.161	1667	410754	4:46
12	unknown		158	103459	5:33
13	1,2-dibromoethane	0.612	1020	293468	6:00
14	chlorobenzene	0.694	691	205149	6:27
15	ethylbenzene	0.814	147	177976	6:46
16	ethylbenzene	0.721	263	157605	6:52
17	unknown		584	182250	7:20
18	p-xylene	0.646	559	198454	8:04
18	styrene	0.953	559	198454	8:04
19	unknown		106	223515	8:26
20	4-methyltoluene	0.574	122	98934	9:26
21	1,3,5-trimethylbenzene	0.159	265	176385	9:40
22	unknown		586	582361	10:45
23	unknown		271	730674	12:51
24	Carrier Gas Impurity	3.110	980	1490430	13:36
25	unknown		1013	1339033	14:09

'C:\WPEAK\TO142.JOB' Run #280 10/6/99 10:29AM



INJ/DET Temp=180

Oven Temp=50

Syringe Inj=On

Cont. Pump=Off

311 Plotter=Off

311 TWA Cycle=1

Comment:

calibration 0.20 ppm TO-14

Analysis time=16:00

Sample Time=0:20

Alarms=Off

311 TWA=Off

Calibration Cycle=0

Inject Time=0:10

Paper Save=Off

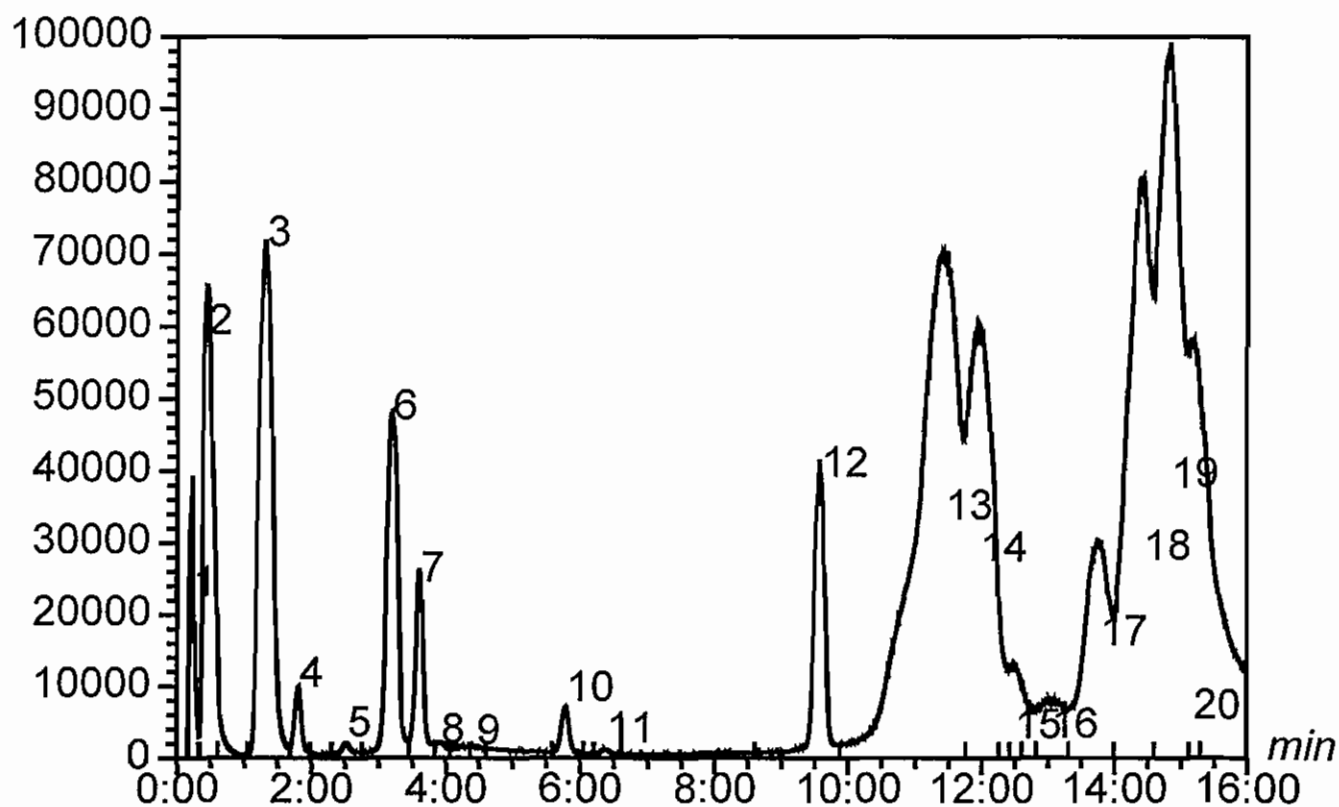
311 STEL=Off

Repeat Cycle=1

'C:\WPEAK\TO142.JOB' Run #280 10/6/99 10:29AM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	0.410	39401	5423230	0:15
2	dichlorodifluoromethane	0.999	49778	13206667	0:28
2	chloromethane	0.999	49778	13206667	0:28
3	1,2-dichlorotetrafluoroethane	0.998	74126	20099605	1:12
4	chloroethane	0.948	6802	1430110	1:39
5	trichlorofluoromethane	0.475	1115	326640	2:22
6	1,1,2-trichloro-1,2,2-trifluoroethane	0.710	46178	10901057	3:04
7	1,1-dichloroethane	0.455	20592	3734737	3:30
8	chloroform	0.101	294	452387	3:51
9	1,1,1-trichloroethane	4.447	408	1638385	4:24
10	carbon tetrachloride	1.314	6923	1841556	5:47
11	1,2-dichloropropane	1.764	680	656450	6:24
12	unknown		42676	17162115	9:40
13	Carrier Gas Impurity	11.265	1678	15786472	11:11
13	Carrier Gas Impurity	11.265	1678	15786472	11:11
14	unknown		23253	31376060	11:39
15	Carrier Gas Impurity	13.179	17624	18468959	12:09
16	unknown		9544	61580422	14:33
17	Carrier Gas impurity	25.943	19478	36356872	14:55

'C:\WPEAK\TO142.JOB' Run #279 10/6/99 9:42AM



INJ/DET Temp=180

Oven Temp=50

Syringe Inj=On

Cont. Pump=Off

311 Plotter=Off

311 TWA Cycle=1

Comment:

calibration 0.30 ppm TO-14

Analysis time=16:00

Sample Time=0:20

Alarms=Off

311 TWA=Off

Calibration Cycle=0

Inject Time=0:10

Paper Save=Off

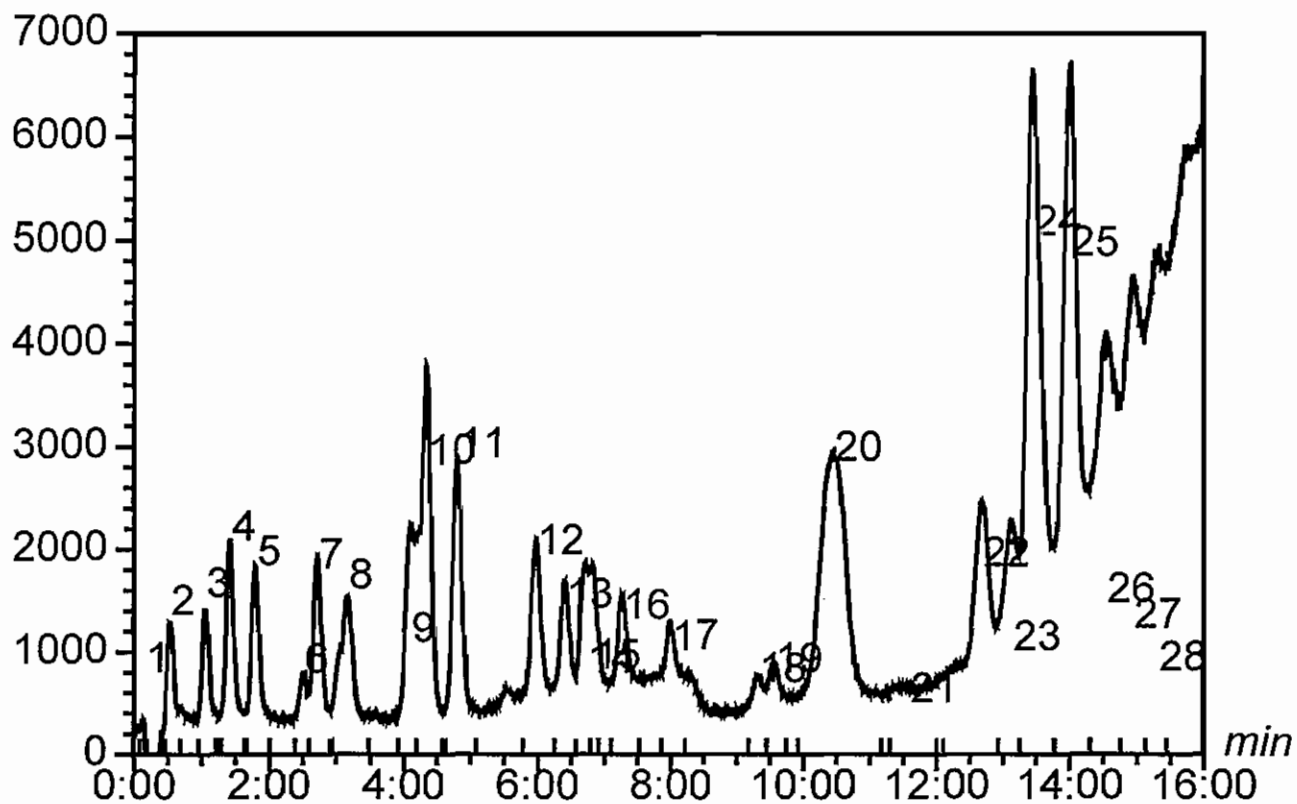
311 STEL=Off

Repeat Cycle=1

'C:\WPEAK\TO142.JOB' Run #279 10/6/99 9:42AM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	0.230	20966	3533355	0:14
2	dichlorodifluoromethane	0.862	57218	13226460	0:27
2	chloromethane	0.862	57218	13226460	0:27
3	1,2-dichlorotetrafluoroethane	0.894	69419	20146132	1:20
4	chloroethane	0.377	8281	1508708	1:49
5	unknown		1398	550713	2:33
6	unknown		45381	11271600	3:12
7	chloroform	12.232	22893	4487367	3:37
8	1,2-dichloroethane	2.302	432	545744	3:56
9	unknown		237	439667	4:28
10	carbon tetrachloride	0.335	6300	1401415	5:48
11	1,2-dichloropropane	0.571	616	372069	6:24
12	unknown		37578	9819003	9:36
13	unknown		31593	59857789	11:27
14	Carrier Gas Impurity	7.059	25795	29532755	11:59
15	unknown		1045	2594715	12:30
16	unknown		1154	4108320	13:03
17	unknown		14069	15302595	13:47
18	unknown		25960	38690504	14:27
19	Carrier Gas impurity	11.283	36023	47206196	14:51
20	unknown		3796	11876115	15:12

'C:\WPEAK\TO142.JOB' Run #279 10/6/99 9:43AM

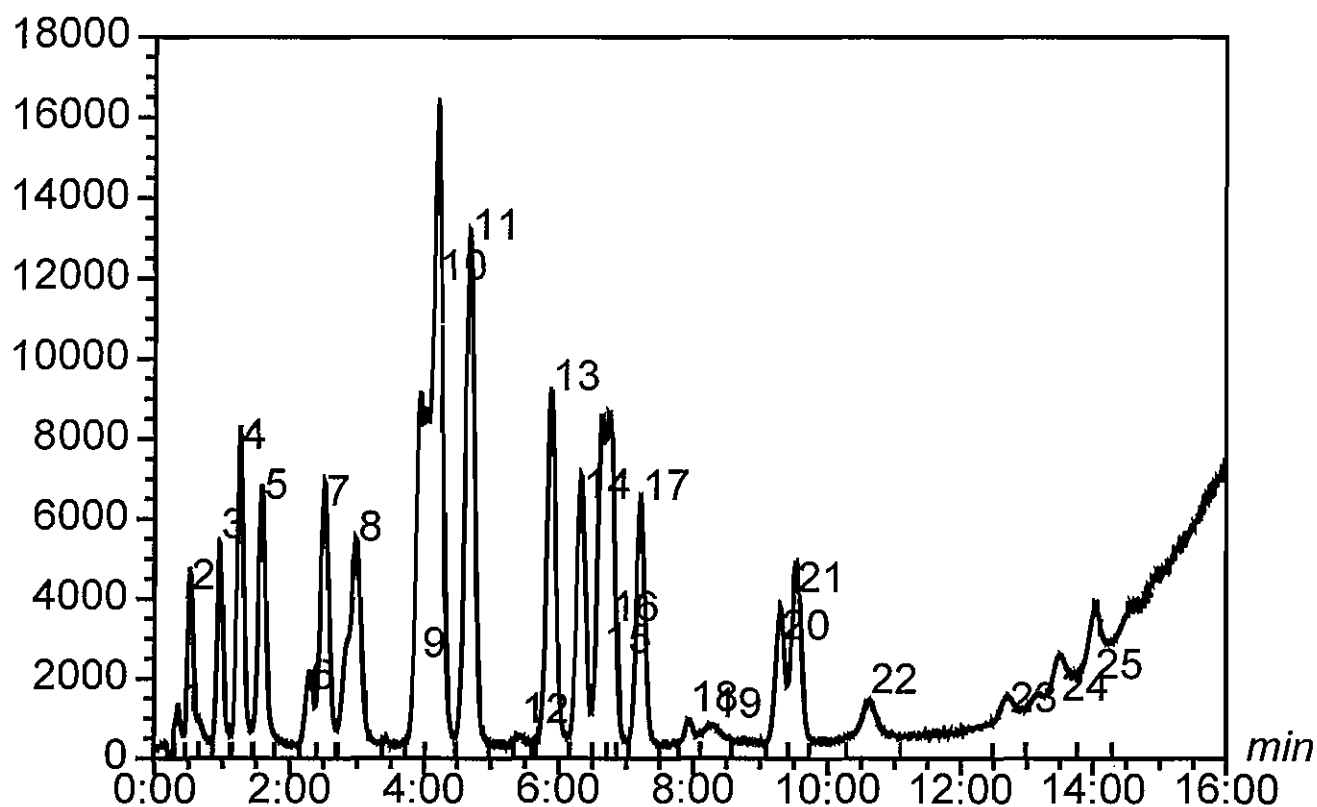


INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
calibration 0.30 ppm TO-14

'C:\WPEAK\TO142.JOB' Run #279 10/6/99 9:43AM

	Name	Conc	Height	Area	Time
1	unknown		273	0	0:10
2	vinyl chloride	0.278	831	148468	0:33
3	bromomethane	0.281	997	178840	1:04
4	1,1-dichloroethene	0.274	1553	307687	1:27
5	unknown		1312	276623	1:49
6	cis-1,2-dichloroethene	0.078	262	89363	2:32
7	unknown		1283	303525	2:45
8	unknown		1081	363338	3:11
9	trans-1,3-dichloropropene	0.097	565	378426	4:07
10	unknown		2295	811793	4:22
11	unknown		2359	565937	4:50
12	1,2-dibromoethane	0.276	1424	479205	6:00
13	tetrachloroethene	0.268	893	332541	6:26
13	chlorobenzene	0.252	893	332541	6:26
14	chlorobenzene	0.224	259	295587	6:45
14	ethylbenzene	0.239	259	295587	6:45
15	ethylbenzene	0.177	298	218510	6:51
16	m-xylene	0.339	790	386298	7:18
17	p-xylene	2.212	488	307155	8:01
18	o-xylene	0.197	169	126227	9:21
18	4-methyltoluene	0.136	169	126227	9:21
19	4-methyltoluene	0.186	266	172209	9:35
20	1,2,4-trimethylbenzene	3.263	2322	1700040	10:29
21	unknown		-26	329055	11:37
22	1,3-dichlorobenzene	1.809	1296	1016990	12:42
23	unknown		480	595764	13:09
24	Carrier Gas Impurity	1.259	4508	2188213	13:29
25	unknown		4304	2231037	14:02
26	Carrier Gas Impurity	0.943	946	1638564	14:34
27	unknown		698	1646910	14:58
28	unknown		283	1535950	15:20

'C:\WPEAK\TO142.JOB' Run #278 10/6/99 7:47AM

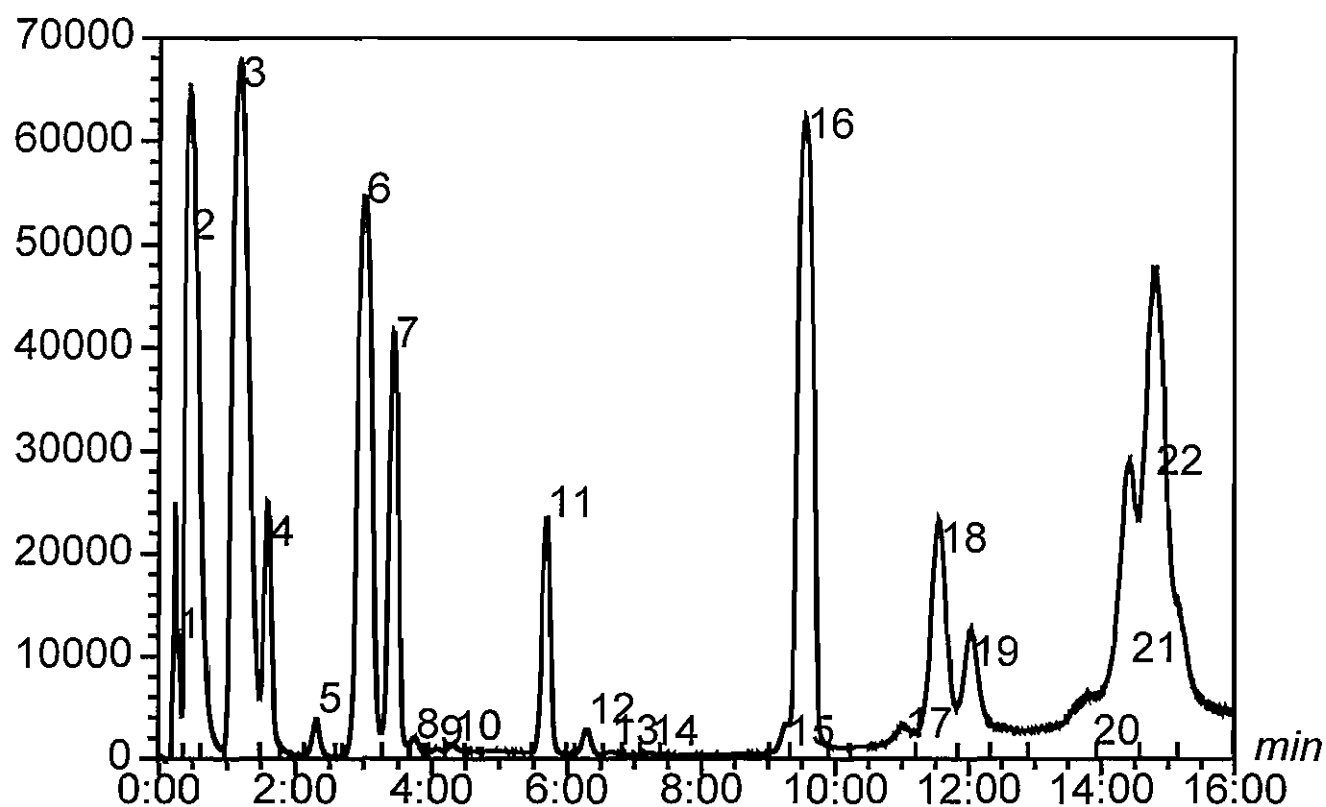


INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
calibration 1.0ppm TO-14

'C:\WPEAK\TO142.JOB' Run #278 10/6/99 7:47AM

	Name	Conc	Height	Area	Time
1	unknown		411	108313	0:22
2	vinyl chloride	0.836	3479	534330	0:33
3	bromomethane	0.867	4756	635439	0:58
4	1,1-dichloroethene	0.878	6998	1124110	1:17
5	methylene chloride	0.861	5749	1005992	1:36
6	3-chloropropene	0.881	976	301260	2:19
7	cis-1,2-dichloroethene	0.849	5589	1142685	2:32
8	benzene	0.901	4688	1387637	3:00
9	cis-1,3-dichloropropene	0.826	1787	1400814	3:58
10	trans-1,3-dichloropropene	0.928	11210	3910936	4:13
11	toluene	0.901	12219	2551174	4:42
12	unknown		124	61906	5:27
13	1,2-dibromoethane	10.386	8463	1738435	5:54
14	tetrachloroethene	5.522	5756	1242331	6:21
15	chlorobenzene	0.938	1890	1320966	6:40
15	ethylbenzene	0.854	1890	1320966	6:40
16	ethylbenzene	0.798	2698	1234617	6:47
17	m-xylene	6.082	5742	1138867	7:15
18	p-xylene	0.479	425	138829	7:58
19	styrene	1.314	279	208166	8:19
20	o-xylene	1.871	2237	641134	9:19
20	4-methyltoluene	0.776	2237	641134	9:19
21	4-methyltoluene	1.123	3437	928310	9:33
22	1,2,4-trimethylbenzene	0.799	885	520929	10:39
23	1,3-dichlorobenzene	0.347	408	562325	12:45
24	Carrier Gas Impurity	8.446	704	1413680	13:32
25	unknown		1257	1592004	14:03

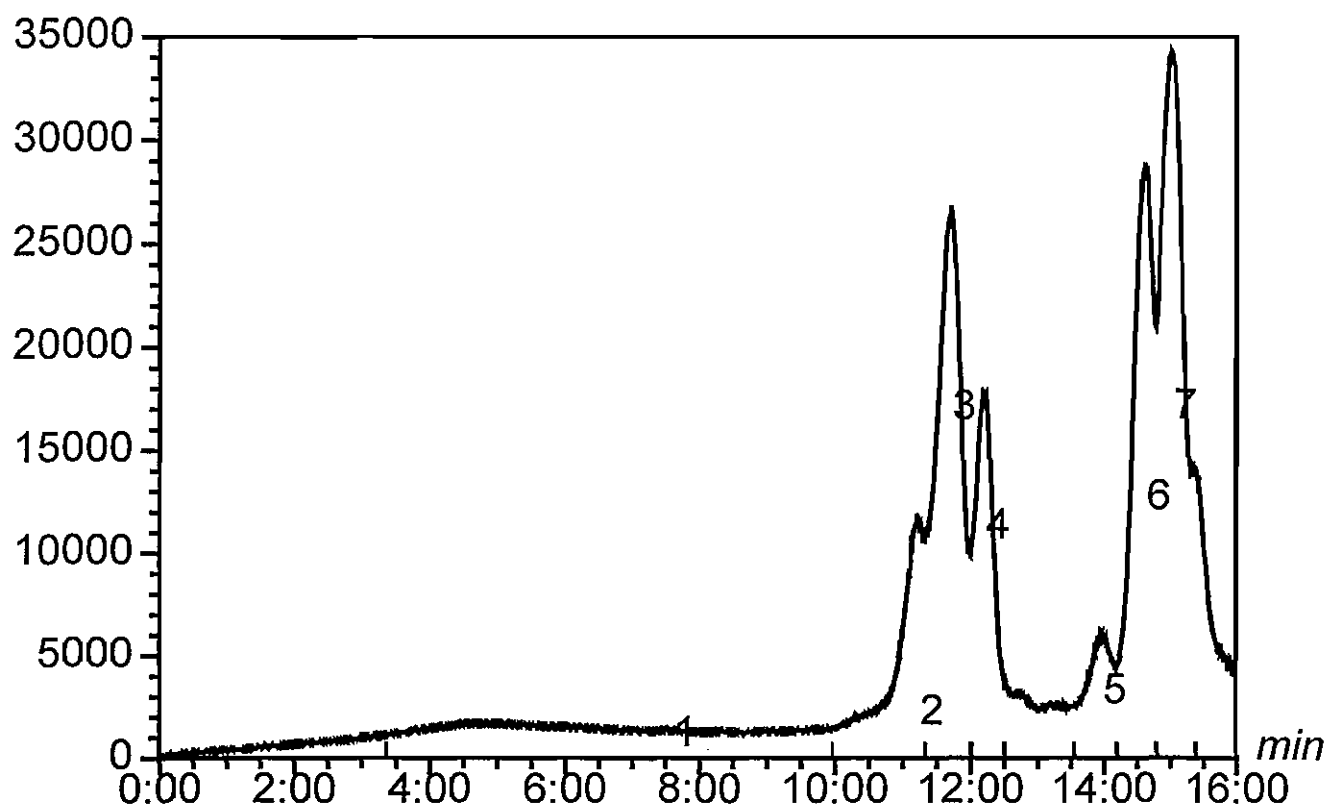
'C:\WPEAK\TO142.JOB' Run #278 10/6/99 7:47AM



INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
calibration 1.0ppm TO-14

'C:\WPEAK\TO142.JOB' Run #278 10/6/99 7:47AM

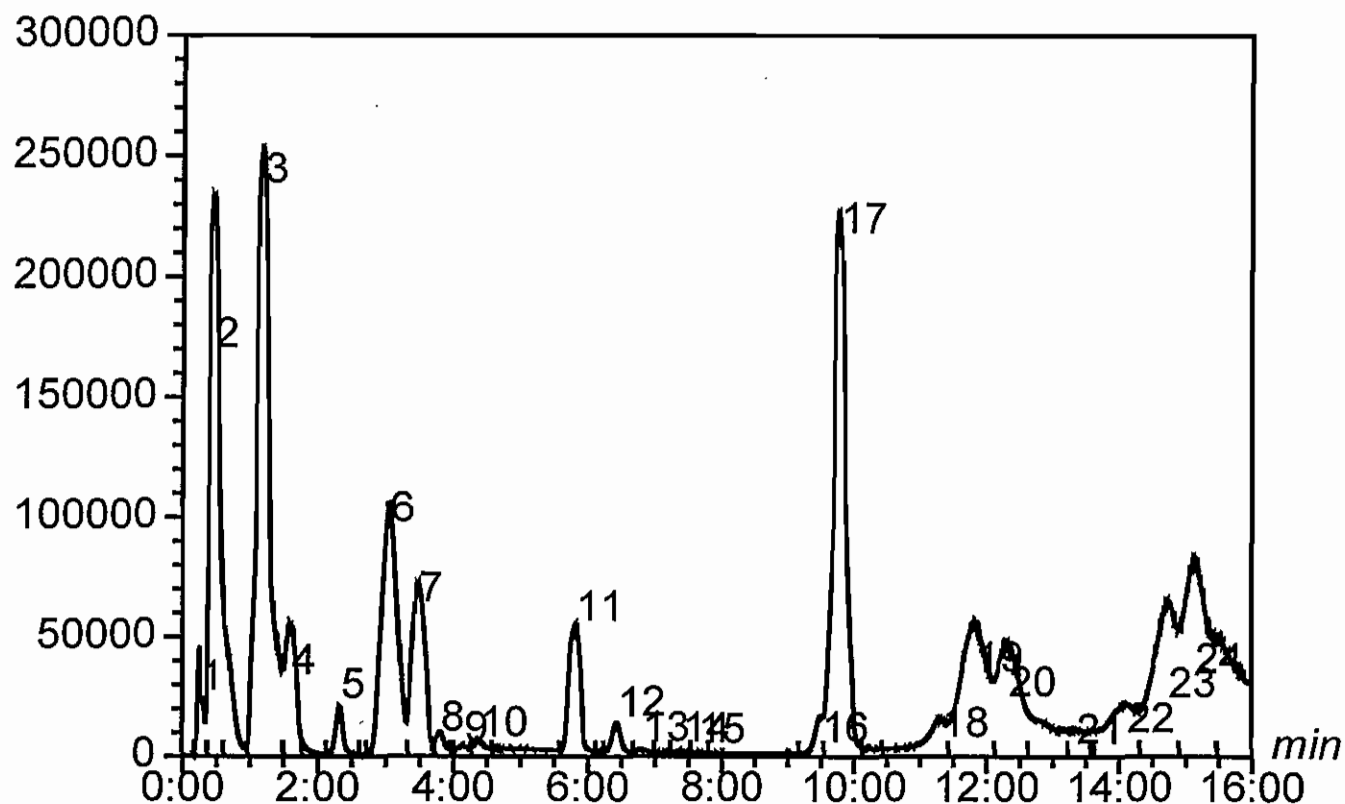
	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	0.047	10685	2128269	0:16
2	dichlorodifluoromethane	0.337	49388	15351471	0:28
2	chloromethane	0.337	49388	15351471	0:28
3	1,2-dichlorotetrafluoroethane	0.323	64050	22547127	1:12
4	chloroethane	0.325	19616	4006096	1:37
5	trichlorofluoromethane	0.212	3382	687219	2:20
6	1,1,2-trichloro-1,2,2-trifluoroethane	0.466	52836	15358401	3:01
7	1,1-dichloroethane	0.414	38909	8211608	3:27
8	chloroform	0.198	841	366866	3:46
9	1,2-dichloroethane	0.248	168	237090	4:07
9	1,1,1-trichloroethane	0.145	168	237090	4:07
10	1,1,1-trichloroethane	0.226	637	368391	4:20
11	carbon tetrachloride	2.166	22490	4183902	5:42
12	1,2-dichloropropane	0.783	2308	651798	6:19
13	1,1,2-trichloroethane	0.064	191	188499	6:40
14	1,1,2,2-tetrachloroethane	0.600	160	163596	7:15
15	unknown		186	610012	9:18
16	unknown		59125	20152802	9:35
17	Carrier Gas Impurity	1.006	957	1943226	11:03
17	Carrier Gas Impurity	1.006	957	1943226	11:03
18	unknown		19020	8403319	11:34
19	Carrier Gas Impurity	2.329	7889	4498134	12:03
20	unknown		193	4639819	13:53
21	unknown		8253	11793216	14:27
22	Carrier Gas impurity	11.289	26511	21804654	14:49



INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
 Oven Temp=50 Sample Time=0:20
 Syringe Inj=On Alarms=Off Paper Save=Off
 Cont. Pump=Off
 311 Plotter=Off 311 TWA=Off 311 STEL=Off
 311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
 Comment:
 carrier gas warm-up

	Name	Conc	Height	Area	Time
1	unknown	-24	9895372	7:37	
2	Carrier Gas Impurity	3.157	1088	6098132	11:15
3	unknown		15894	13953520	11:44
4	unknown		10150	6708069	12:14
5	unknown		2088	3181942	13:59
6	unknown		11523	12202608	14:39
7	unknown		15934	16997401	15:03

'C:\WPEAK\TO142.JOB' Run #276 10/5/99 8:07PM



INJ/DET Temp=180

Analysis time=16:00

Inject Time=0:10

Oven Temp=50

Sample Time=0:20

Syringe Inj=On

Alarms=Off

Paper Save=Off

Cont. Pump=Off

311 Plotter=Off

311 TWA=Off

311 STEL=Off

311 TWA Cycle=1

Calibration Cycle=0

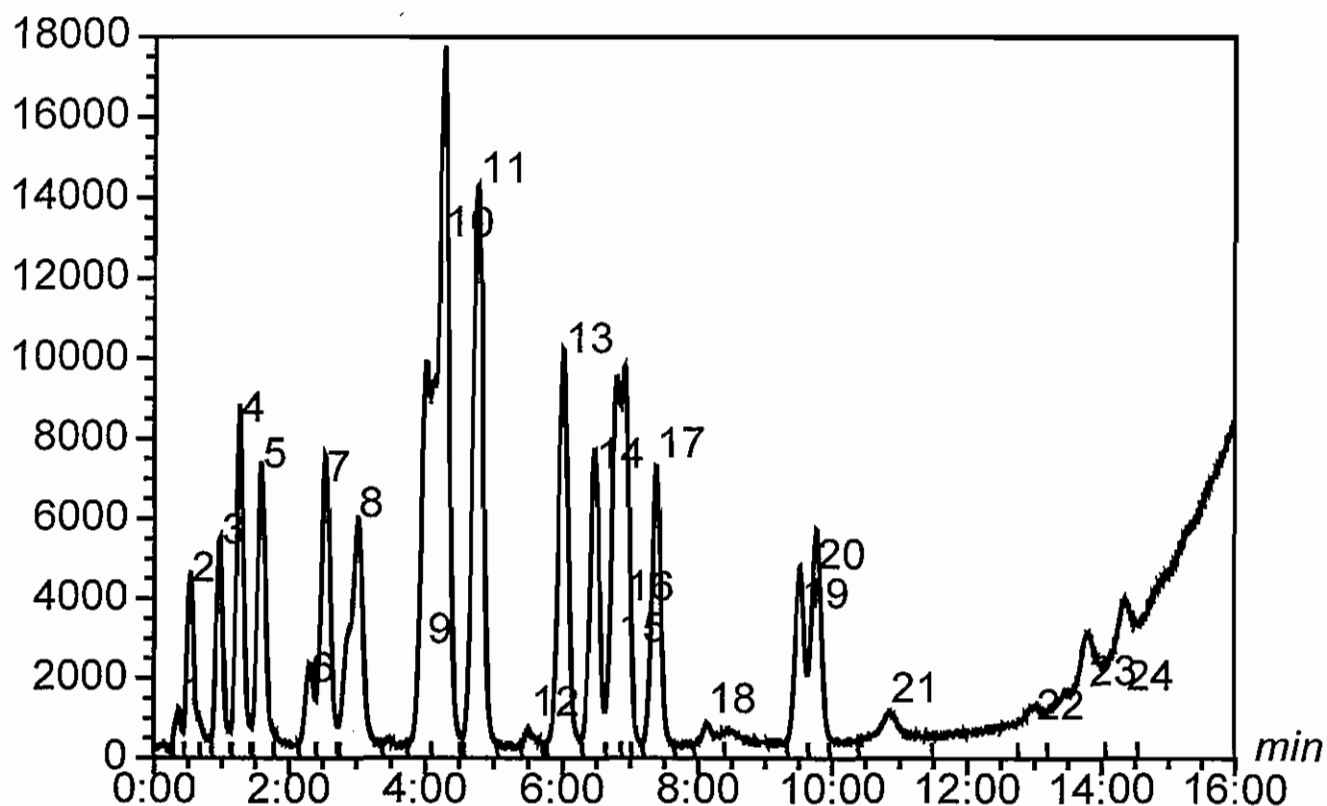
Repeat Cycle=1

Comment:

midpoint calibration 1.0 ppm TO-14 failed heat turned on in office peaks

Shifting

'C:\WPEAK\TO142.JOB' Run #276 10/5/99 8:07PM



INJ/DET Temp=180

Analysis time=16:00

Inject Time=0:10

Oven Temp=50

Sample Time=0:20

Syringe Inj=On

Alarms=Off

Paper Save=Off

Cont. Pump=Off

311 Plotter=Off

311 TWA=Off

311 STEL=Off

311 TWA Cycle=1

Calibration Cycle=0

Repeat Cycle=1

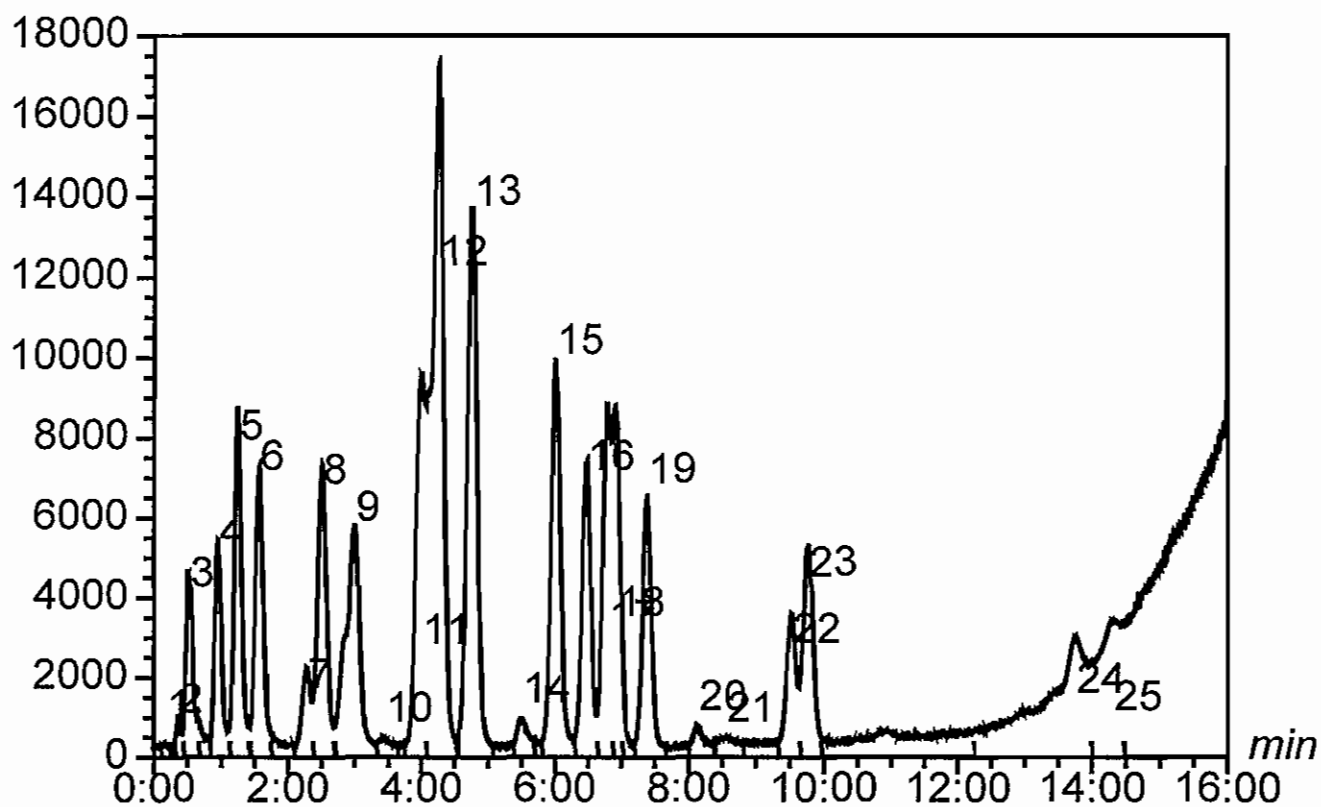
Comment:

midpoint calibration 1.0 ppm TO-14 failed heat turned on in office peak

'C:\WPEAK\TO142.JOB' Run #276 10/5/99 8:07PM

	Name	Conc	Height	Area	Time
1	unknown		541	107270	0:23
2	vinyl chloride	1.020	3636	639504	0:33
3	bromomethane	1.030	4586	733315	0:59
4	1,1-dichloroethene	1.027	7639	1280067	1:17
5	methylene chloride	1.033	6491	1168272	1:36
6	3-chloropropene	1.061	1121	341863	2:20
7	cis-1,2-dichloroethene	1.042	6159	1345400	2:33
8	benzene	1.014	5244	1540290	3:02
9	cis-1,3-dichloropropene	1.031	2098	1695292	4:02
9	trans-1,3-dichloropropene	0.408	2098	1695292	4:02
10	trans-1,3-dichloropropene	1.015	12239	4216427	4:17
11	toluene	1.033	13590	2831325	4:47
12	unknown		270	83510	5:33
13	unknown		9372	1946096	6:02
14	chlorobenzene	1.052	6485	1408510	6:30
15	ethylbenzene	1.084	2120	1547073	6:49
16	unknown		3163	1394709	6:56
17	unknown		6753	1299110	7:24
18	styrene	1.741	353	158403	8:09
19	4-methyltoluene	1.320	2994	826307	9:32
20	1,3,5-trimethylbenzene	1.100	3981	1107357	9:47
21	unknown		625	513147	10:53
22	unknown		209	433350	13:03
23	unknown		1052	1720290	13:49
24	unknown		927	1629169	14:22

'C:\WPEAK\TO142.JOB' Run #275 10/5/99 7:39PM

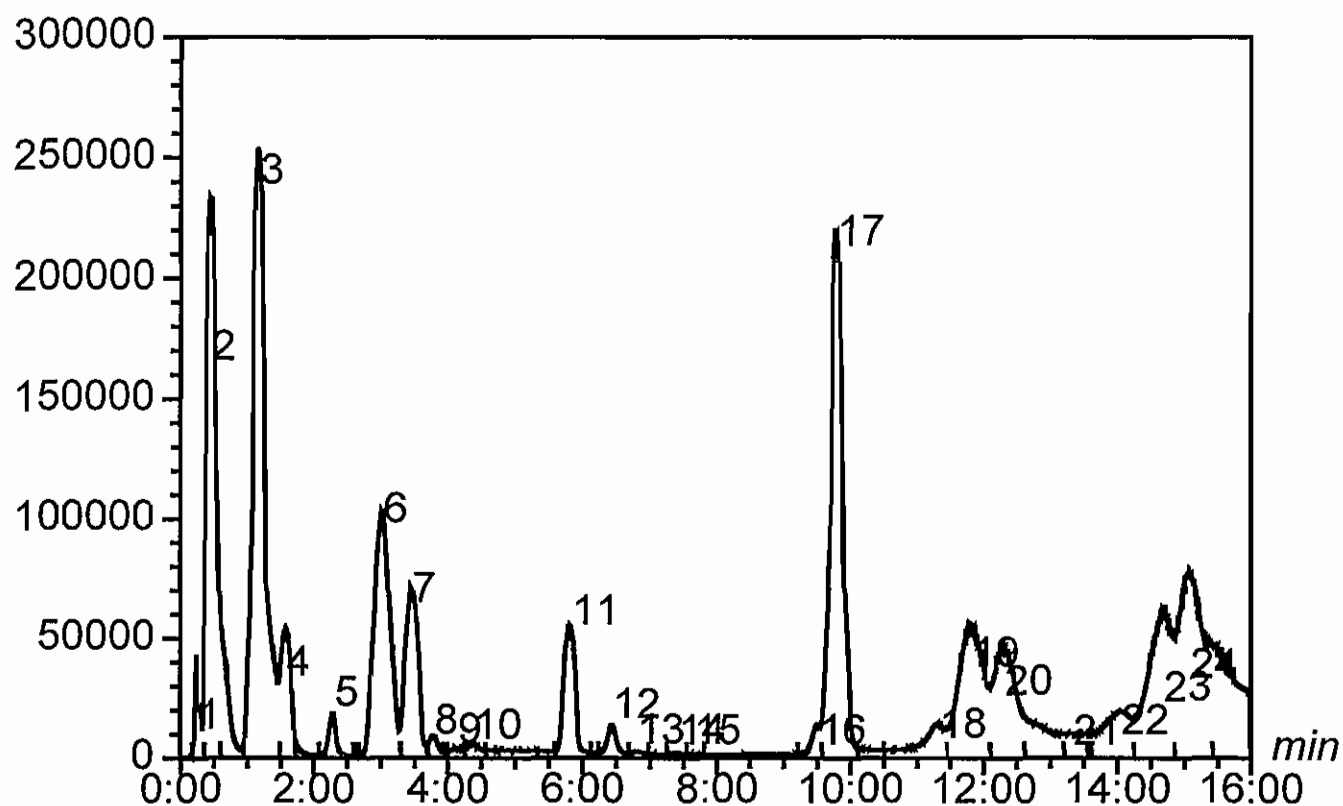


INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
midpoint calibration 1.0 ppm TO-14 new syringe failed

'C:\WPEAK\TO142.JOB' Run #275 10/5/99 7:39PM

	Name	Conc	Height	Area	Time
1	unknown		188	147	0:12
2	unknown		330	60905	0:23
3	vinyl chloride	1.051	3499	627149	0:33
4	bromomethane	0.995	4511	711679	0:58
5	1,1-dichloroethene	1.013	7177	1245885	1:16
6	methylene chloride	1.012	6415	1130545	1:35
7	3-chloropropene	0.257	958	322277	2:18
8	cis-1,2-dichloroethene	1.030	6080	1290682	2:31
9	benzene	1.022	5135	1518748	3:00
10	trichloroethene	0.102	116	39575	3:28
11	cis-1,3-dichloropropene	0.984	2074	1644229	4:01
11	trans-1,3-dichloropropene	0.440	2074	1644229	4:01
12	trans-1,3-dichloropropene	1.112	11524	4153998	4:17
13	toluene	1.067	13006	2740380	4:47
14	unknown		590	140257	5:31
15	unknown		9314	1880545	6:02
16	chlorobenzene	1.132	6427	1339472	6:30
17	ethylbenzene	1.050	2429	1427616	6:49
18	unknown		2766	1214091	6:57
19	unknown		6095	1143878	7:24
20	styrene	0.716	401	90990	8:10
21	unknown		115	81142	8:35
22	4-methyltoluene	1.060	2097	626197	9:33
23	1,3,5-trimethylbenzene	1.318	3758	1007085	9:48
24	unknown		842	2234530	13:47
25	unknown		400	1460223	14:20

'C:\WPEAK\TO142.JOB' Run #275 10/5/99 7:40PM

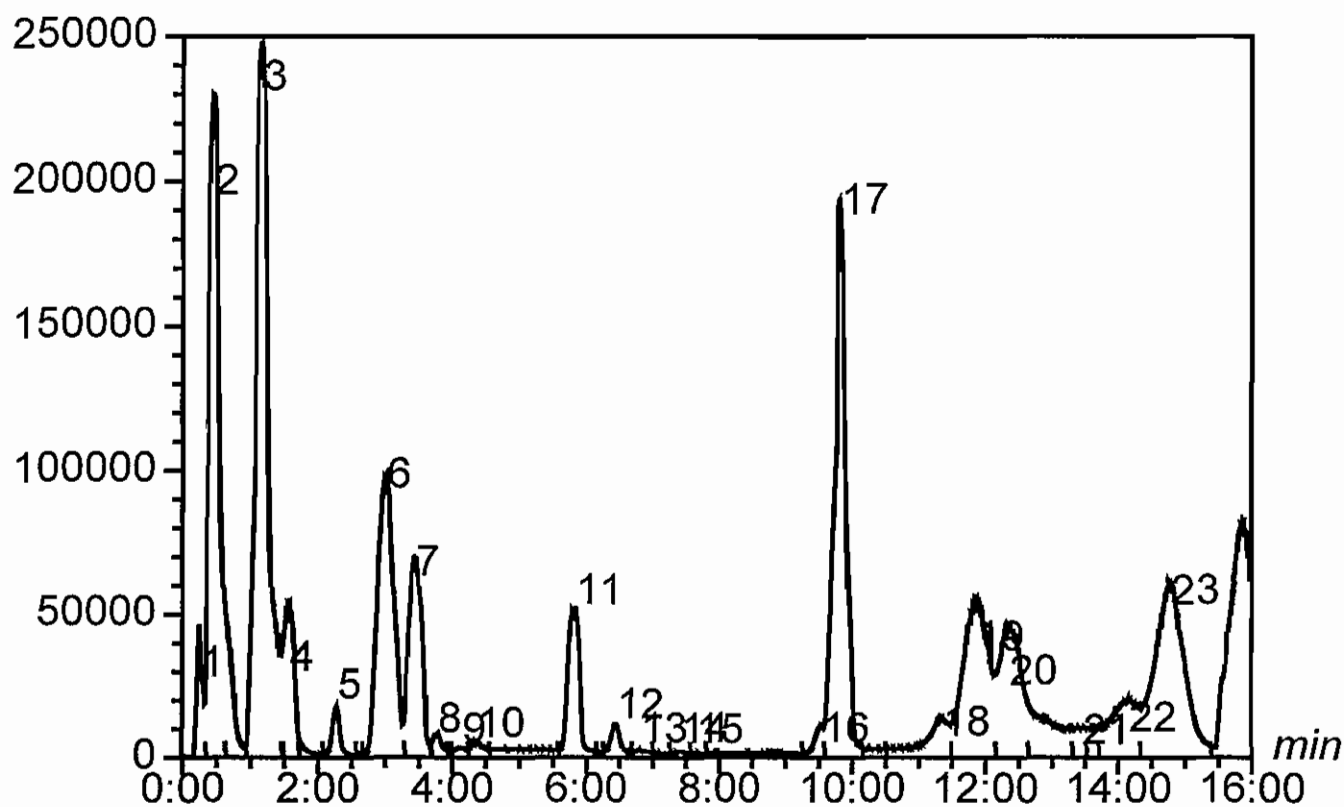


INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
midpoint calibration 1.0 ppm TO-14 new syringe failed

'C:\WPEAK\TO142.JOB' Run #275 10/5/99 7:40PM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	0.073	6651	3476933	0:15
2	dichlorodifluoromethane	0.945	160526	44850058	0:28
2	chloromethane	0.945	160526	44850058	0:28
3	1,2-dichlorotetrafluoroethane	1.014	233523	67778908	1:11
4	chloroethane	1.012	28882	11250201	1:36
5	trichlorofluoromethane	1.040	16340	3001873	2:19
6	1,1,2-trichloro-1,2,2-trifluoroethane	1.024	92880	32761065	3:02
7	1,1-dichloroethane	1.022	59713	19580248	3:28
8	chloroform	1.133	4593	1715274	3:48
9	1,2-dichloroethane	1.253	887	941649	4:09
9	1,1,1-trichloroethane	0.680	887	941649	4:09
10	1,1,1-trichloroethane	1.142	2758	1581005	4:24
11	unknown		50436	13309290	5:50
12	1,1,2-trichloroethane	1.162	11339	2886099	6:27
13	unknown		778	698121	6:49
14	unknown		557	548541	7:26
15	unknown		267	438574	7:40
16	unknown		470	2406776	9:32
17	unknown		208193	56502413	9:48
18	Carrier Gas Impurity	3.494	3142	6749253	11:21
19	Carrier Gas Impurity	14.518	33102	28041536	11:50
20	unknown		21082	20885870	12:20
21	unknown		138	4032437	13:21
22	unknown		4606	10960209	14:04
23	Carrier Gas impurity	14.398	18543	27808703	14:42
24	unknown		28016	40700628	15:06

'C:\WPEAK\TO142.JOB' Run #274 10/5/99 7:13PM



INJ/DET Temp=180

Analysis time=16:00

Inject Time=0:10

Oven Temp=50

Sample Time=0:20

Syringe Inj=On

Alarms=Off

Paper Save=Off

Cont. Pump=Off

311 Plotter=Off

311 TWA=Off

311 STEL=Off

311 TWA Cycle=1

Calibration Cycle=0

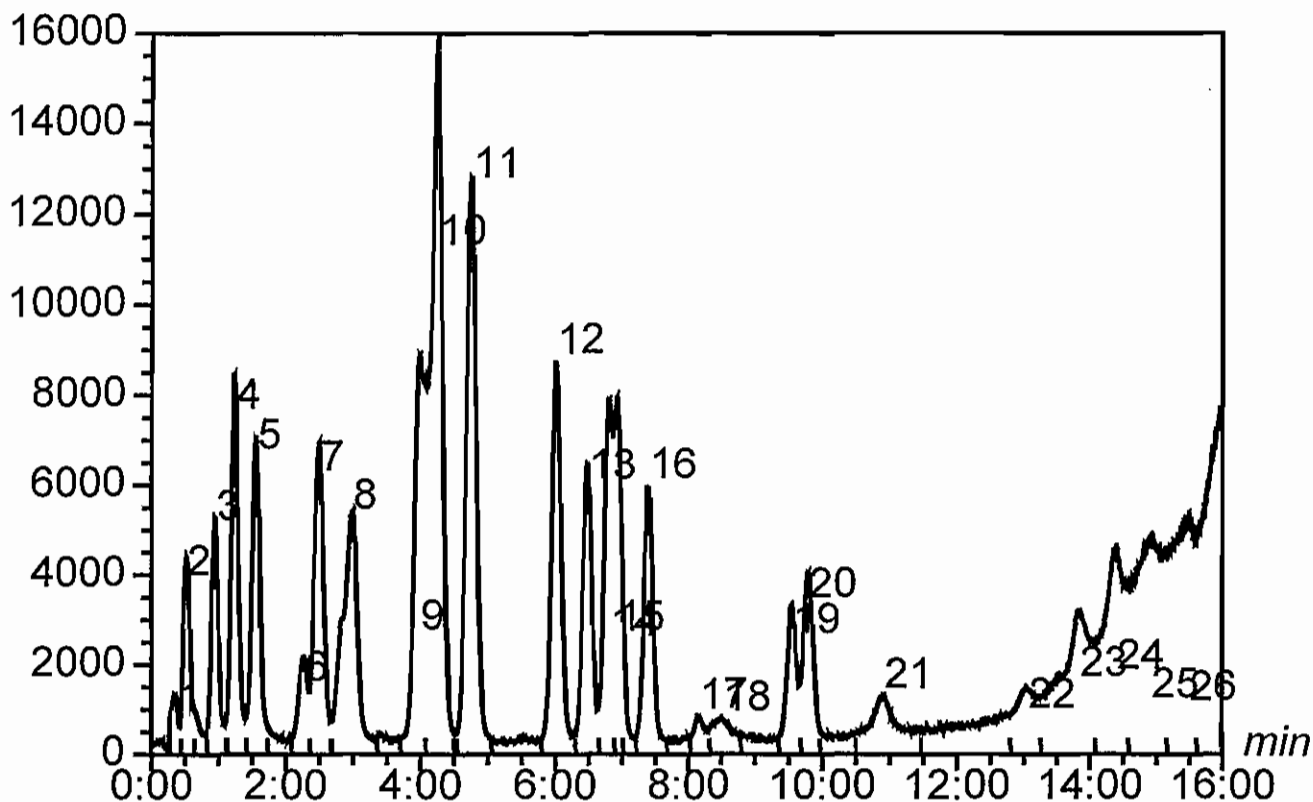
Repeat Cycle=1

Comment:

midpoint calibration 1.0 ppm TO-14 failed, found leak in tedlar bag new

'C:\WPEAK\TO142.JOB' Run #274 10/5/99 7:13PM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	0.112	23604	4753314	0:15
2	dichlorodifluoromethane	1.118	190541	47454192	0:28
2	chloromethane	1.118	190541	47454192	0:28
3	1,2-dichlorotetrafluoroethane	1.031	226601	66850453	1:10
4	chloroethane	0.973	25588	11119416	1:35
5	trichlorofluoromethane	1.129	15912	2887146	2:18
6	1,1,2-trichloro-1,2,2-trifluoroethane	1.040	89130	31992728	3:01
7	1,1-dichloroethane	1.039	58684	19167660	3:27
8	chloroform	1.082	3994	1513399	3:48
9	1,2-dichloroethane	0.924	612	751310	4:09
9	1,1,1-trichloroethane	0.532	612	751310	4:09
10	1,1,1-trichloroethane	0.981	2599	1383972	4:23
11	unknown		48813	12889014	5:50
12	1,1,2-trichloroethane	1.050	9065	2484350	6:28
13	unknown		690	681357	6:50
14	unknown		541	498423	7:26
15	unknown		227	360365	7:40
16	unknown		797	1777138	9:33
17	unknown		183966	45912546	9:50
18	unknown		3061	6464480	11:22
19	Carrier Gas Impurity	14.501	32668	28008716	11:52
20	unknown		20736	20254488	12:22
21	unknown		-11	2382313	13:29
22	unknown		4503	11031665	14:10
23	Carrier Gas impurity	19.262	48736	37204208	14:48



INJ/DET Temp=180

Analysis time=16:00

Inject Time=0:10

Oven Temp=50

Sample Time=0:20

Syringe Inj=On

Alarms=Off

Paper Save=Off

Cont. Pump=Off

311 Plotter=Off

311 TWA=Off

311 STEL=Off

311 TWA Cycle=1

Calibration Cycle=0

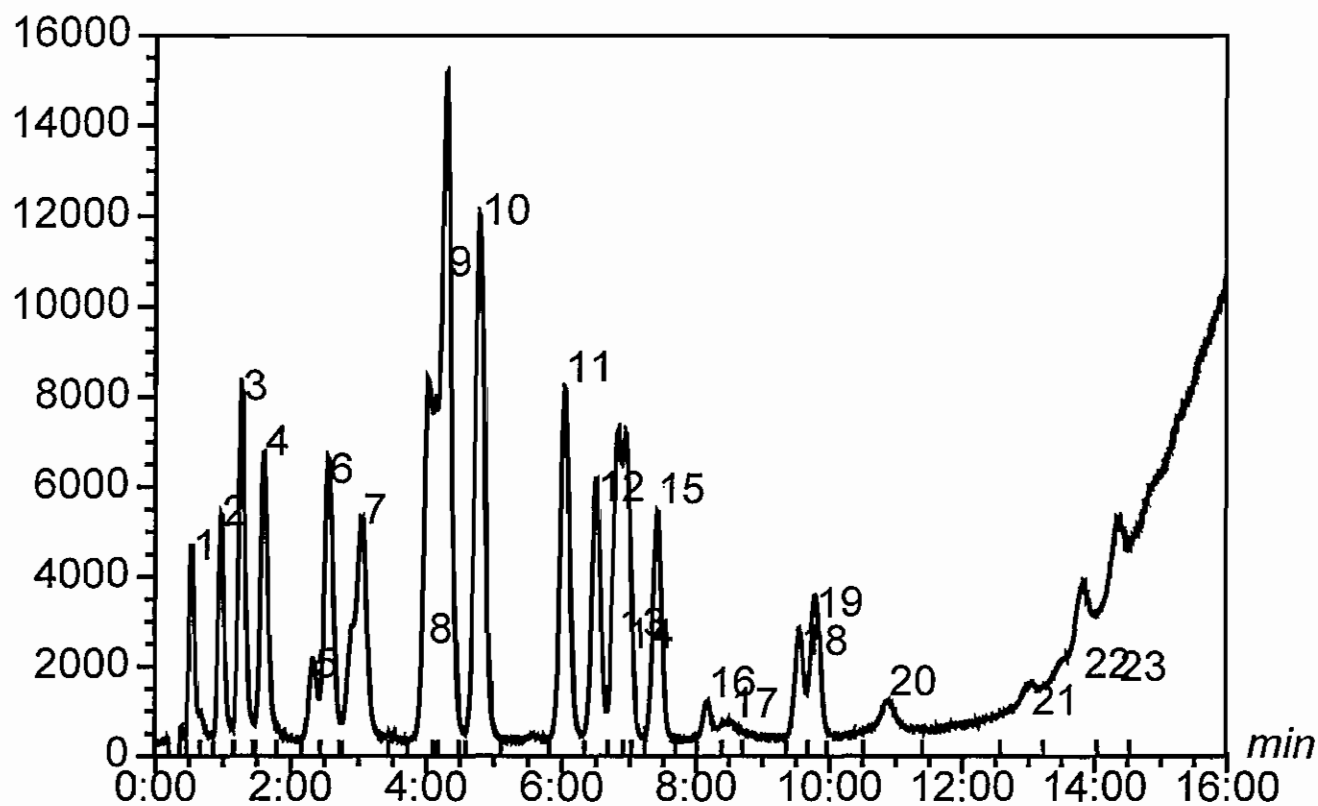
Repeat Cycle=1

Comment:

midpoint calibration 1.0 ppm TO-14 failed, found leak in tedlar bag new

'C:\WPEAK\TO142.JOB' Run #274 10/5/99 7:13PM

	Name	Conc	Height	Area	Time
1	unknown		245	143958	0:23
2	vinyl chloride	1.114	3291	596872	0:32
3	bromomethane	1.100	4503	715002	0:57
4	1,1-dichloroethene	1.094	6985	1229874	1:15
5	methylene chloride	1.099	6095	1116730	1:34
6	3-chloropropene	1.116	935	336403	2:17
7	3-chloropropene	4.158	5620	1253417	2:30
7	cis-1,2-dichloroethene	1.113	5620	1253417	2:30
8	benzene	1.103	4749	1485942	3:00
9	cis-1,3-dichloropropene	1.318	2078	1671420	4:00
9	trans-1,3-dichloropropene	0.553	2078	1671420	4:00
10	trans-1,3-dichloropropene	1.237	10607	3736521	4:16
11	toluene	1.093	12088	2568323	4:46
12	unknown		8210	1666853	6:02
13	chlorobenzene	1.085	5417	1183083	6:30
14	ethylbenzene	1.178	1930	1359104	6:50
15	unknown		2046	1006425	6:57
16	unknown		5451	1075350	7:25
17	styrene	0.639	323	127113	8:11
18	unknown		254	201328	8:32
19	4-methyltoluene	1.228	2000	590792	9:34
20	1,3,5-trimethylbenzene	1.149	2787	764110	9:48
21	unknown		770	534852	10:56
22	unknown		325	507999	13:05
23	unknown		1023	1746720	13:51
24	Carrier Gas Impurity	11.172	1189	1869970	14:24
25	unknown		558	2663778	14:56
26	unknown		496	2332968	15:30



INJ/DET Temp=180

Oven Temp=50

Syringe Inj=On

Cont. Pump=Off

311 Plotter=Off

311 TWA Cycle=1

Comment:

Analysis time=16:00

Sample Time=0:20

Alarms=Off

311 TWA=Off

Calibration Cycle=0

Inject Time=0:10

Paper Save=Off

311 STEL=Off

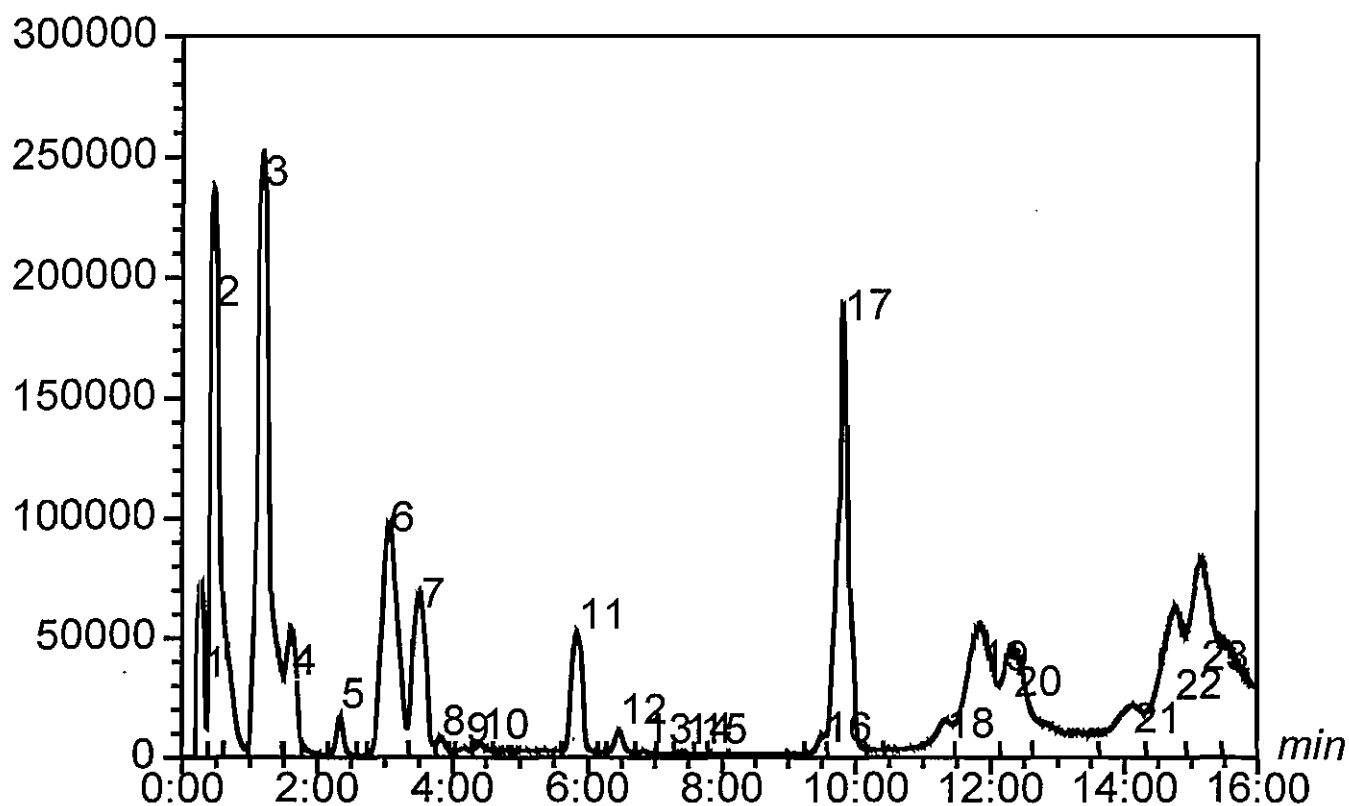
Repeat Cycle=1

midpoint calibration 1.0 ppm TO-14 failed, found leak in tedlar bag

'C:\WPEAK\TO142.JOB' Run #273 10/5/99 6:53PM

	Name	Conc	Height	Area	Time
1	vinyl chloride	1.004	3678	535904	0:33
2	bromomethane	1.044	4428	649762	1:00
3	1,1-dichloroethene	1.017	7213	1124009	1:18
4	methylene chloride	1.565	5991	1015807	1:37
5	3-chloropropene	1.626	1045	301452	2:21
6	cis-1,2-dichloroethene	4.053	5382	1126452	2:34
7	benzene	1.601	4461	1347227	3:03
8	cis-1,3-dichloropropene	4.087	1819	1268535	4:03
8	trans-1,3-dichloropropene	0.962	1819	1268535	4:03
9	trans-1,3-dichloropropene	2.292	9965	3021282	4:19
10	toluene	9.576	11106	2350018	4:49
11	unknown		7631	1537732	6:03
12	chlorobenzene	0.993	4965	1090124	6:32
12	ethylbenzene	0.852	4965	1090124	6:32
13	ethylbenzene	0.902	1935	1153536	6:51
14	unknown		1698	926045	6:57
15	unknown		4935	952895	7:26
16	styrene	0.678	621	198915	8:12
17	unknown		144	137005	8:32
18	4-methyltoluene	0.878	1551	481038	9:34
19	1,3,5-trimethylbenzene	0.862	2403	664745	9:48
20	unknown		650	464030	10:54
21	unknown		227	724420	13:03
22	unknown		1033	2084260	13:51
23	unknown		969	2191068	14:23

'C:\WPEAK\TO142.JOB' Run #273 10/5/99 6:53PM



INJ/DET Temp=180

Analysis time=16:00

Inject Time=0:10

Oven Temp=50

Sample Time=0:20

Syringe Inj=On

Alarms=Off

Paper Save=Off

Cont. Pump=Off

311 Plotter=Off

311 TWA=Off

311 STEL=Off

311 TWA Cycle=1

Calibration Cycle=0

Repeat Cycle=1

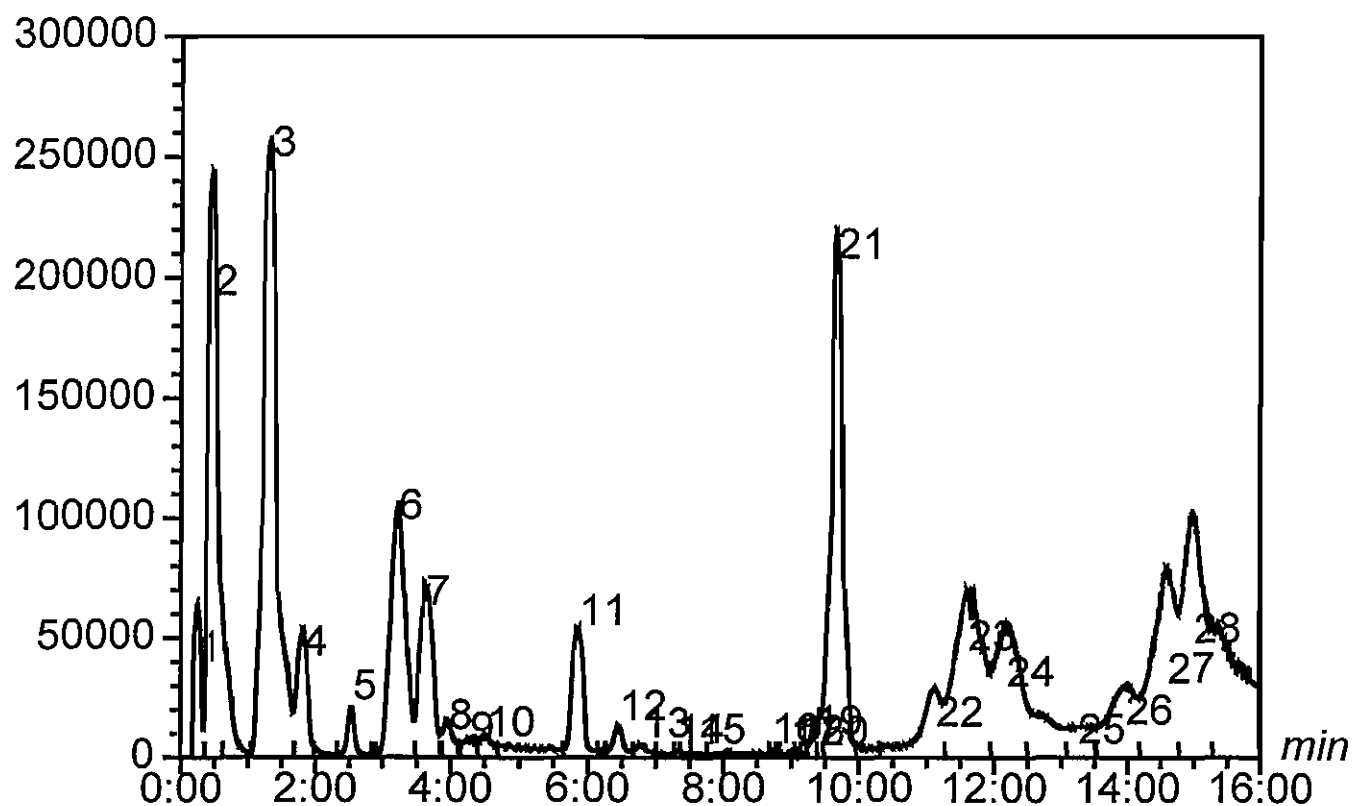
Comment:

midpoint calibration 1.0 ppm TO-14 failed, found leak in tedlar bag

'C:\WPEAK\TO142.JOB' Run #273 10/5/99 6:53PM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	0.200	28222	9799445	0:18
2	dichlorodifluoromethane	0.868	182555	42444282	0:29
2	chloromethane	0.868	182555	42444282	0:29
3	1,2-dichlorotetrafluoroethane	0.871	232412	64821077	1:12
4	chloroethane	1.001	29152	11425515	1:38
5	trichlorofluoromethane	1.804	15156	2558218	2:21
6	1,1,2-trichloro-1,2,2-trifluoroethane	1.257	88755	30774104	3:04
7	1,1-dichloroethane	0.580	57019	18441988	3:31
8	chloroform	0.071	3791	1398814	3:51
9	1,2-dichloroethane	0.268	703	813075	4:12
9	1,1,1-trichloroethane	0.451	703	813075	4:12
10	1,1,1-trichloroethane	0.783	2515	1411032	4:26
11	unknown		48406	12361228	5:51
12	1,1,2-trichloroethane	0.863	8584	2365650	6:29
13	unknown		613	686317	6:51
14	unknown		448	513402	7:27
15	unknown		191	326737	7:41
16	unknown		1084	1672017	9:33
17	unknown		177077	42311210	9:50
18	Carrier Gas Impurity	3.788	2935	7315398	11:21
19	Carrier Gas Impurity	15.042	31000	29052012	11:51
20	unknown		20193	20282369	12:21
21	unknown		4990	12740600	14:09
22	Carrier Gas impurity	15.146	19024	29253676	14:45
23	unknown		30817	40001312	15:09

'C:\WPEAK\TO142.JOB' Run #272 10/5/99 6:19PM



INJ/DET Temp=180

Analysis time=16:00

Inject Time=0:10

Oven Temp=50

Sample Time=0:20

Syringe Inj=On

Alarms=Off

Paper Save=Off

Cont. Pump=Off

311 Plotter=Off

311 TWA=Off

311 STEL=Off

311 TWA Cycle=1

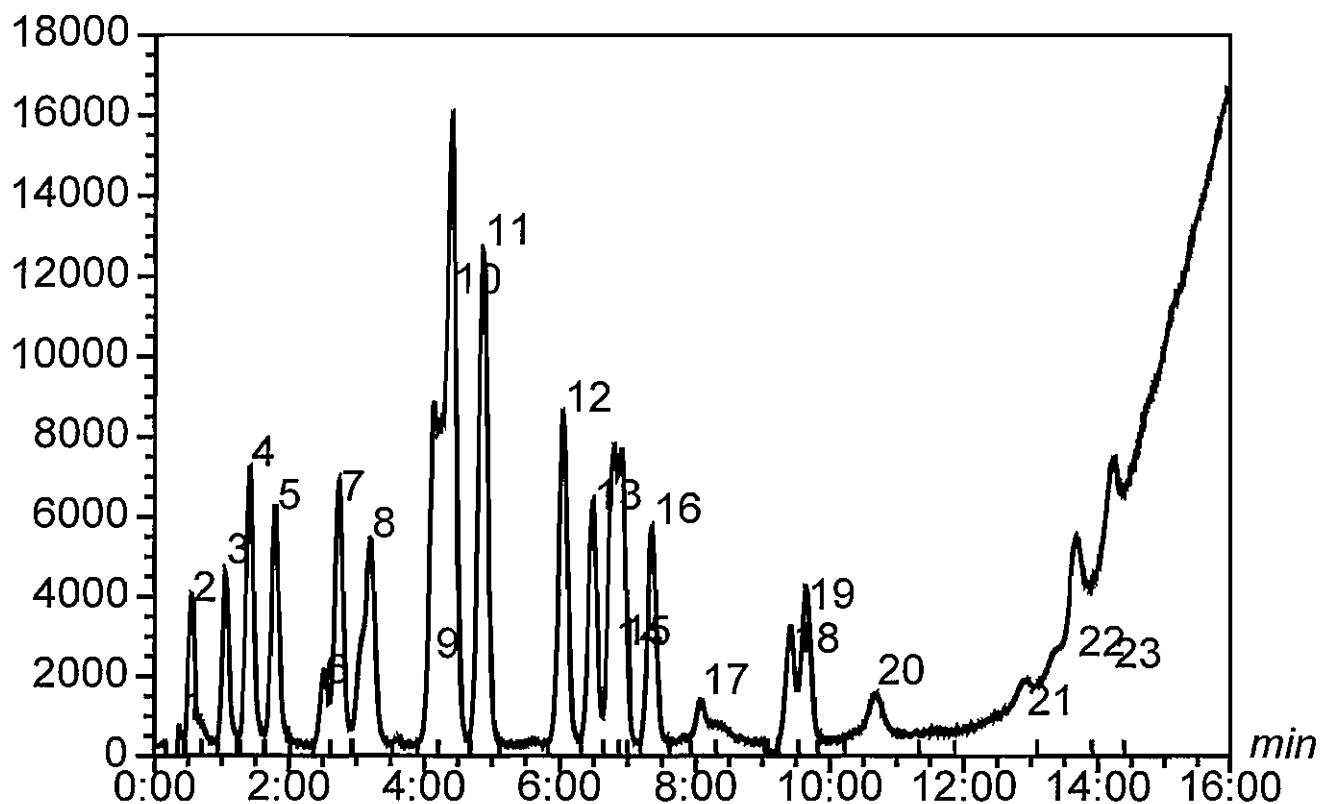
Calibration Cycle=0

Repeat Cycle=1

Comment:

midpoint calibration 1.0 ppm TO-14 failed

'C:\WPEAK\TO142.JOB' Run #272 10/5/99 6:19PM



INJ/DET Temp=180

Oven Temp=50

Syringe Inj=On

Cont. Pump=Off

311 Plotter=Off

311 TWA Cycle=1

Comment:

midpoint calibration 1.0 ppm TO-14 failed

Analysis time=16:00

Sample Time=0:20

Alarms=Off

311 TWA=Off

Calibration Cycle=0

Inject Time=0:10

Paper Save=Off

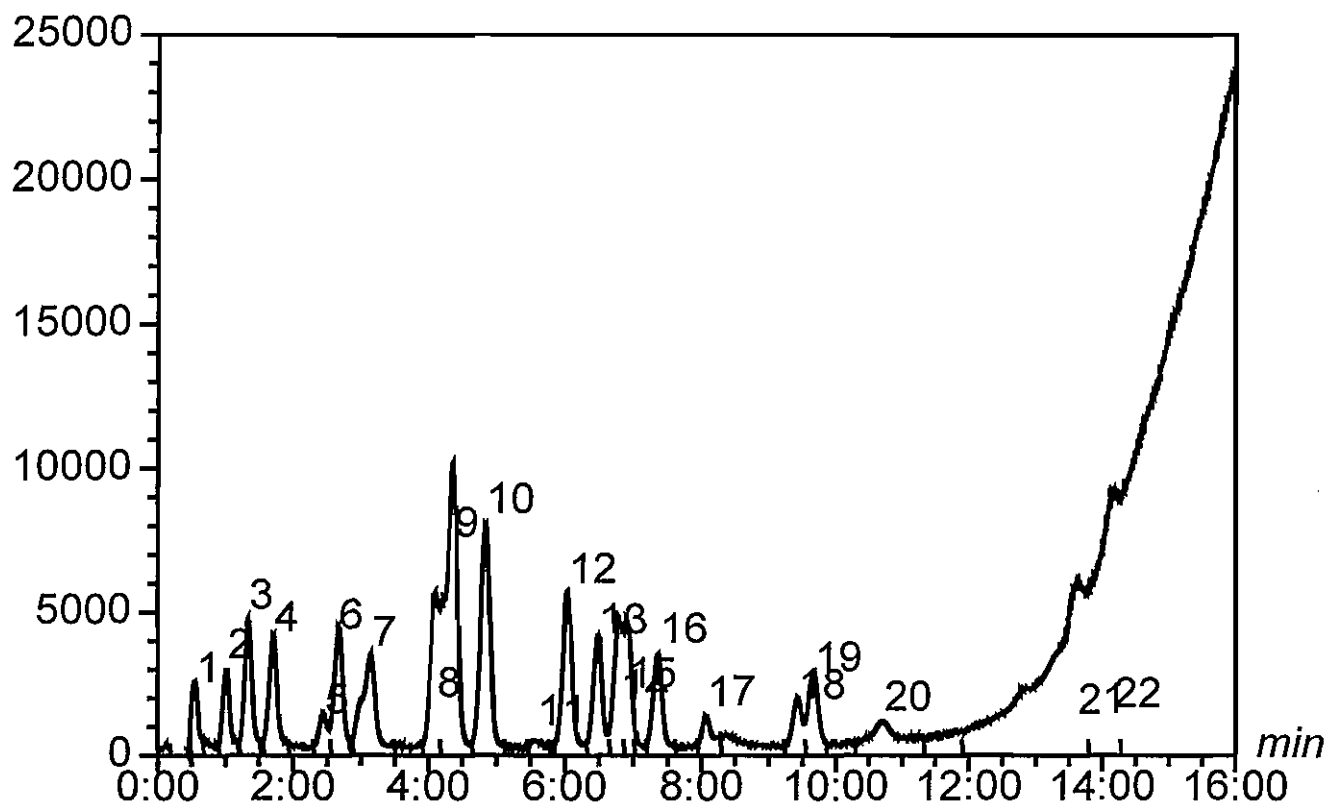
311 STEL=Off

Repeat Cycle=1

'C:\WPEAK\TO142.JOB' Run #272 10/5/99 6:19PM

	Name	Conc	Height	Area	Time
1	unknown		103	31690	0:24
2	vinyl chloride	1.738	3083	533734	0:34
3	bromomethane	1.627	4030	622114	1:04
4	1,1-dichloroethene	1.617	6477	1105129	1:26
5	unknown		5402	991830	1:49
6	cis-1,2-dichloroethene	0.391	1034	277905	2:33
7	unknown		5597	1146005	2:45
8	unknown		4691	1315828	3:13
9	trans-1,3-dichloropropene	1.511	1679	1317997	4:10
10	unknown		10787	3706005	4:25
11	unknown		12000	2360892	4:53
12	unknown		7849	1555440	6:04
13	chlorobenzene	1.558	5407	1097967	6:30
14	ethylbenzene	1.755	1934	1279041	6:49
15	unknown		2006	929850	6:56
16	unknown		5054	986387	7:23
17	styrene	1.331	777	293235	8:06
18	4-methyltoluene	1.758	1818	547905	9:27
19	1,3,5-trimethylbenzene	1.411	2912	771396	9:40
20	1,2,4-trimethylbenzene	0.567	1018	651828	10:43
21	unknown		249	1141730	12:57
22	Carrier Gas Impurity	17.449	1740	2920515	13:42
23	unknown		1450	3088837	14:15

'C:\WPEAK\TO142.JOB' Run #271 10/5/99 5:39PM

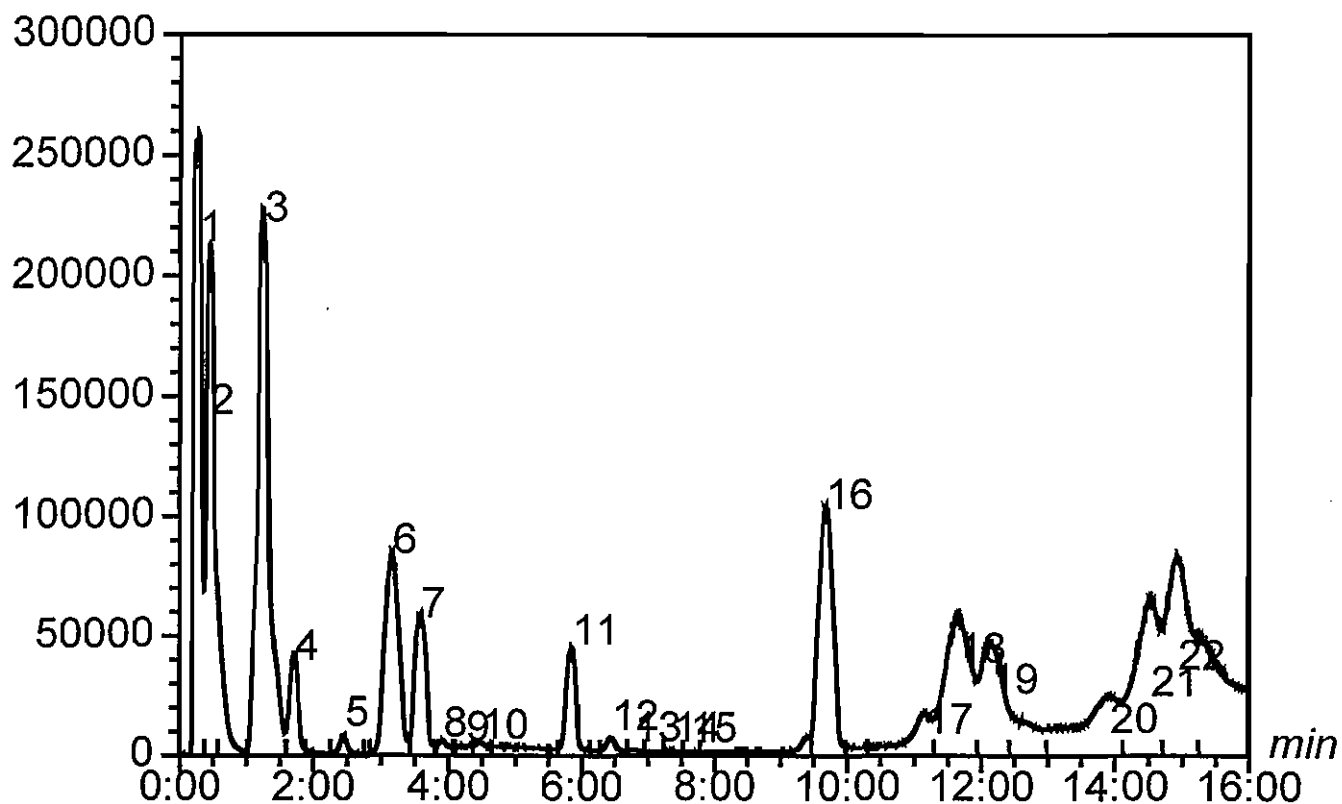


INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
midpoint calibration 1.0 ppm TO-14 failed

'C:\WPEAK\TO142.JOB' Run #271 10/5/99 5:39PM

	Name	Conc	Height	Area	Time
1	vinyl chloride	4.380	1690	307081	0:34
2	bromomethane	4.215	2471	382282	1:02
3	1,1-dichloroethene	4.575	4205	683327	1:21
4	methylene chloride	4.728	3434	649065	1:44
5	3-chloropropene	2.259	580	185340	2:28
5	cis-1,2-dichloroethene	1.259	580	185340	2:28
6	cis-1,2-dichloroethene	4.830	3506	711157	2:41
7	benzene	4.932	2909	841281	3:09
8	trans-1,3-dichloropropene	1.562	1156	872555	4:08
9	unknown		6736	2354689	4:23
10	unknown		7539	1491912	4:51
11	unknown		180	47817	5:36
12	unknown		5114	1010552	6:03
13	chlorobenzene	6.481	3352	704914	6:30
14	ethylbenzene	6.696	1051	728854	6:49
15	unknown		1478	626508	6:56
16	unknown		3047	591046	7:23
17	styrene	0.951	845	220310	8:06
18	4-methyltoluene	6.025	1086	311687	9:27
19	1,3,5-trimethylbenzene	5.756	2026	546857	9:41
20	unknown		669	509848	10:45
21	Carrier Gas Impurity	29.016	571	4856633	13:39
22	unknown		772	4001865	14:11

'C:\WPEAK\TO142.JOB' Run #271 10/5/99 5:39PM



INJ/DET Temp=180

Oven Temp=50

Syringe Inj=On

Cont. Pump=Off

311 Plotter=Off

311 TWA Cycle=1

Comment:

midpoint calibration 1.0 ppm TO-14 failed

Analysis time=16:00

Sample Time=0:20

Alarms=Off

311 TWA=Off

Calibration Cycle=0

Inject Time=0:10

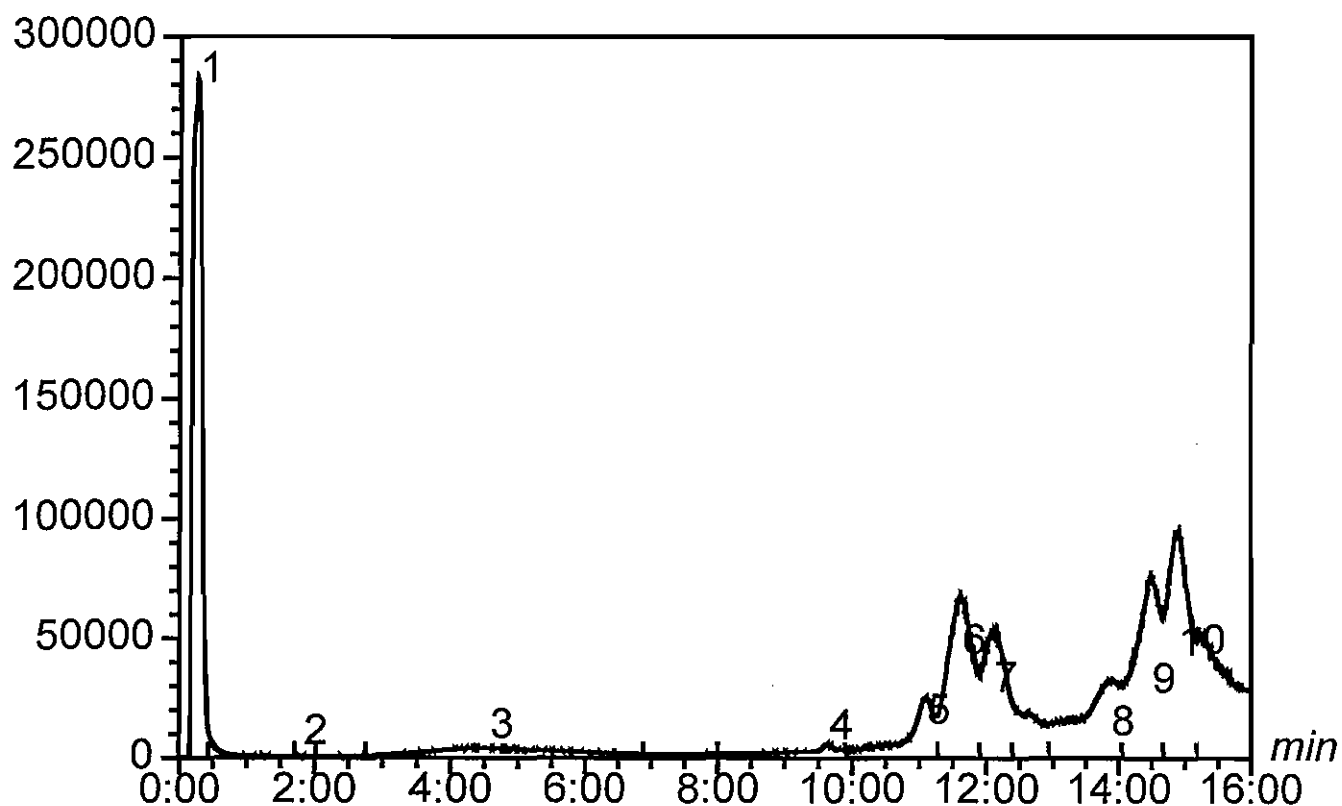
Paper Save=Off

311 STEL=Off

Repeat Cycle=1

'C:\WPEAK\TO142.JOB' Run #271 10/5/99 5:39PM

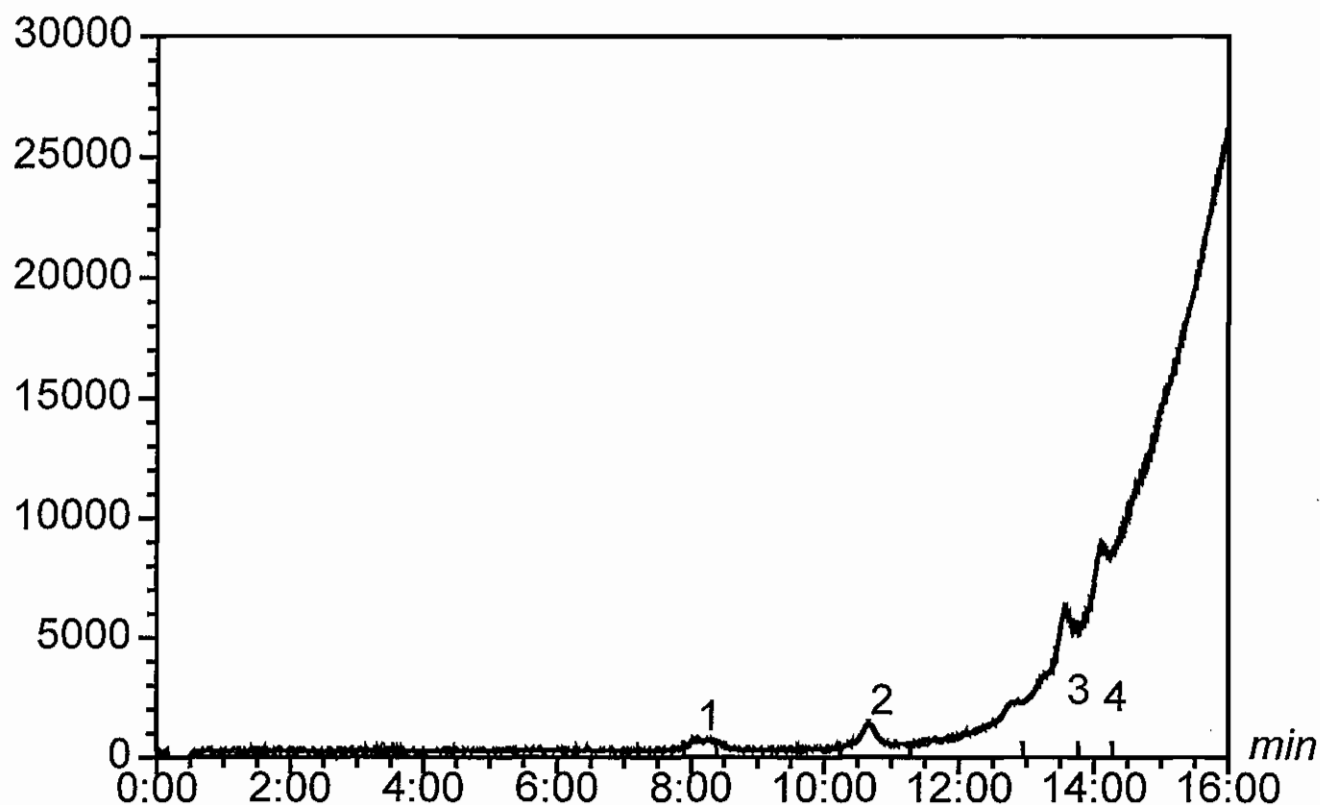
	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	3.384	209013	42526160	0:18
2	dichlorodifluoromethane	2.847	137099	35782548	0:28
2	chloromethane	2.847	137099	35782548	0:28
3	1,2-dichlorotetrafluoroethane	3.083	216949	55026967	1:16
4	chloroethane	6.860	34633	7914396	1:44
5	trichlorofluoromethane	5.208	6811	1417839	2:29
6	1,1,2-trichloro-1,2,2-trifluoroethane	2.671	78813	24485373	3:10
7	chloroform	37.691	52313	14148930	3:36
8	1,2-dichloroethane	1.259	2329	1315831	3:56
9	1,1,1-trichloroethane	0.644	562	995506	4:16
10	unknown		1481	1390800	4:30
11	unknown		41313	9448914	5:51
12	1,1,2-trichloroethane	2.108	5148	1755333	6:28
13	unknown		383	562651	6:48
14	unknown		274	486523	7:24
15	unknown		127	429576	7:39
16	unknown		97862	31717546	9:42
17	Carrier Gas Impurity	4.119	3978	7956315	11:11
17	Carrier Gas Impurity	4.119	3978	7956315	11:11
18	unknown		33474	29876762	11:40
19	Carrier Gas Impurity	10.920	20739	21091996	12:09
20	unknown		4005	20208282	13:57
21	unknown		19692	30863911	14:33
22	Carrier Gas impurity	20.743	30549	40063827	14:57



INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
 Oven Temp=50 Sample Time=0:20
 Syringe Inj=On Alarms=Off Paper Save=Off
 Cont. Pump=Off
 311 Plotter=Off 311 TWA=Off 311 STEL=Off
 311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
 Comment:
 s-alfgw3 8-12 feet

Name	Conc	Height	Area	Time
1 dichlorodifluoromethane	4.453	275686	55964773	0:17
2 unknown		100	158865	1:51
3 unknown		2824	11660317	4:36
4 unknown		2496	5095056	9:40
5 Carrier Gas Impurity	6.686	8874	12913522	11:07
5 Carrier Gas Impurity	6.686	8874	12913522	11:07
6 unknown		38098	33864907	11:39
7 Carrier Gas Impurity	12.523	22533	24186962	12:07
8 unknown		4126	26366058	13:54
9 unknown		22165	37380530	14:30
10 Carrier Gas impurity	22.668	37953	43781136	14:54

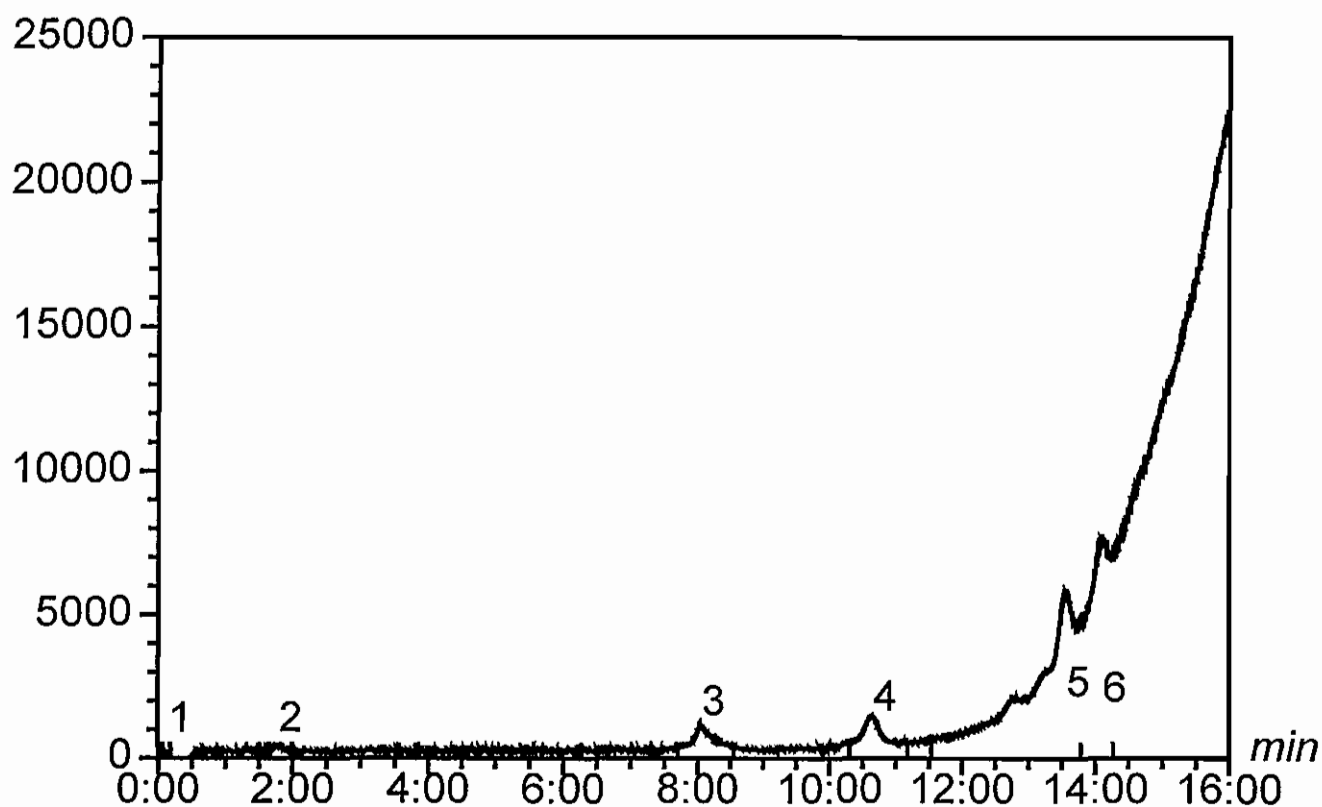
'C:\WPEAK\TO142.JOB' Run #270 10/5/99 5:09PM



INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
s-alfgw3 8-12 feet

	Name	Conc	Height	Area	Time
1	styrene	1.025	204	237597	8:06
2	1,2,4-trimethylbenzene	0.534	889	613920	10:42
3	Carrier Gas Impurity	20.696	1325	3464040	13:36
4	unknown		1044	4034132	14:09

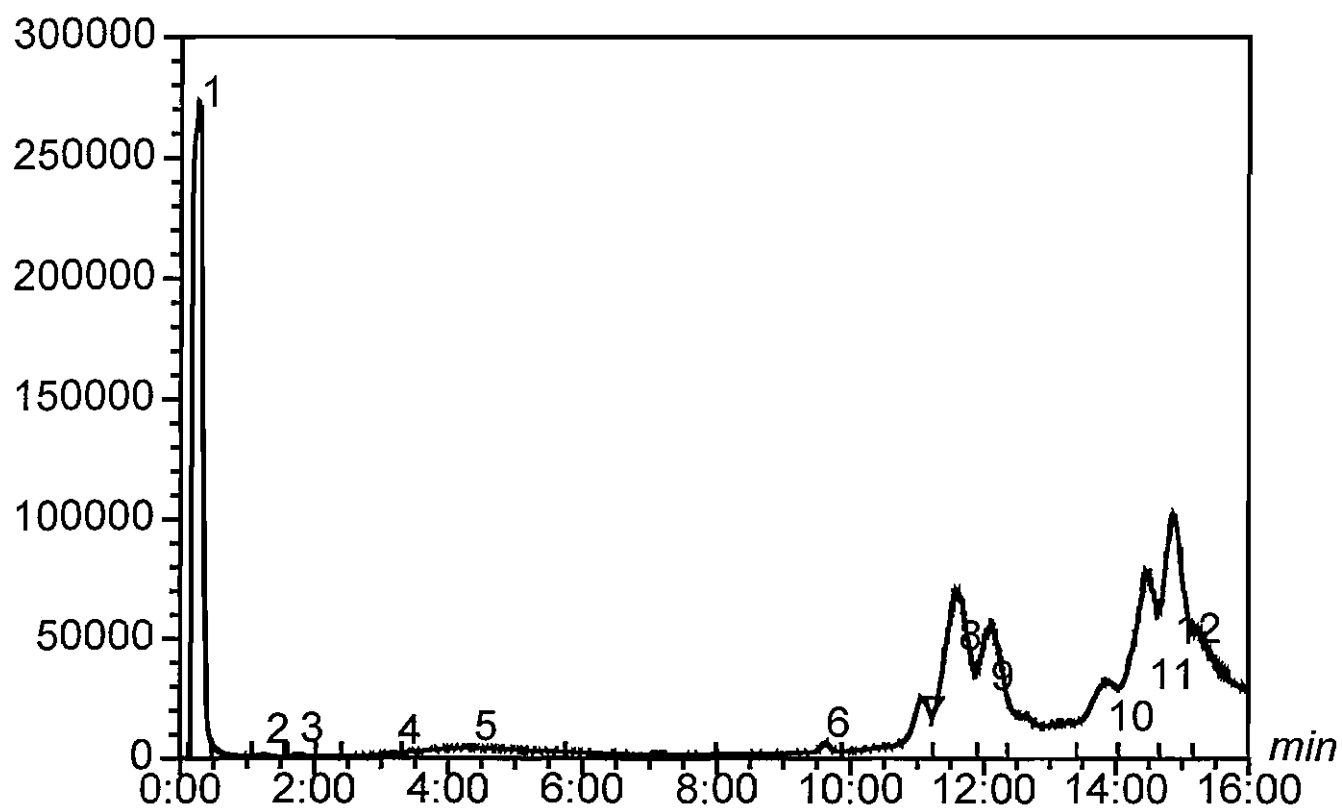
'C:\WPEAK\TO142.JOB' Run #269 10/5/99 4:34PM



INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
s-alfgw3 4-8 feet

	Name	Conc	Height	Area	Time
1	unknown		134	0	0:09
2	methylene chloride	0.528	154	72528	1:48
3	p-xylene	1.650	730	477754	8:04
3	styrene	2.062	730	477754	8:04
4	1,2,4-trimethylbenzene	0.560	899	643820	10:40
5	Carrier Gas Impurity	28.798	1402	4820130	13:34
6	unknown		1200	3398067	14:07

'C:\WPEAK\TO142.JOB' Run #269 10/5/99 4:34PM



INJ/DET Temp=180

Oven Temp=50

Syringe Inj=On

Cont. Pump=Off

311 Plotter=Off

311 TWA Cycle=1

Comment:

s-alfgw3 4-8 feet

Analysis time=16:00

Sample Time=0:20

Alarms=Off

311 TWA=Off

Calibration Cycle=0

Inject Time=0:10

Paper Save=Off

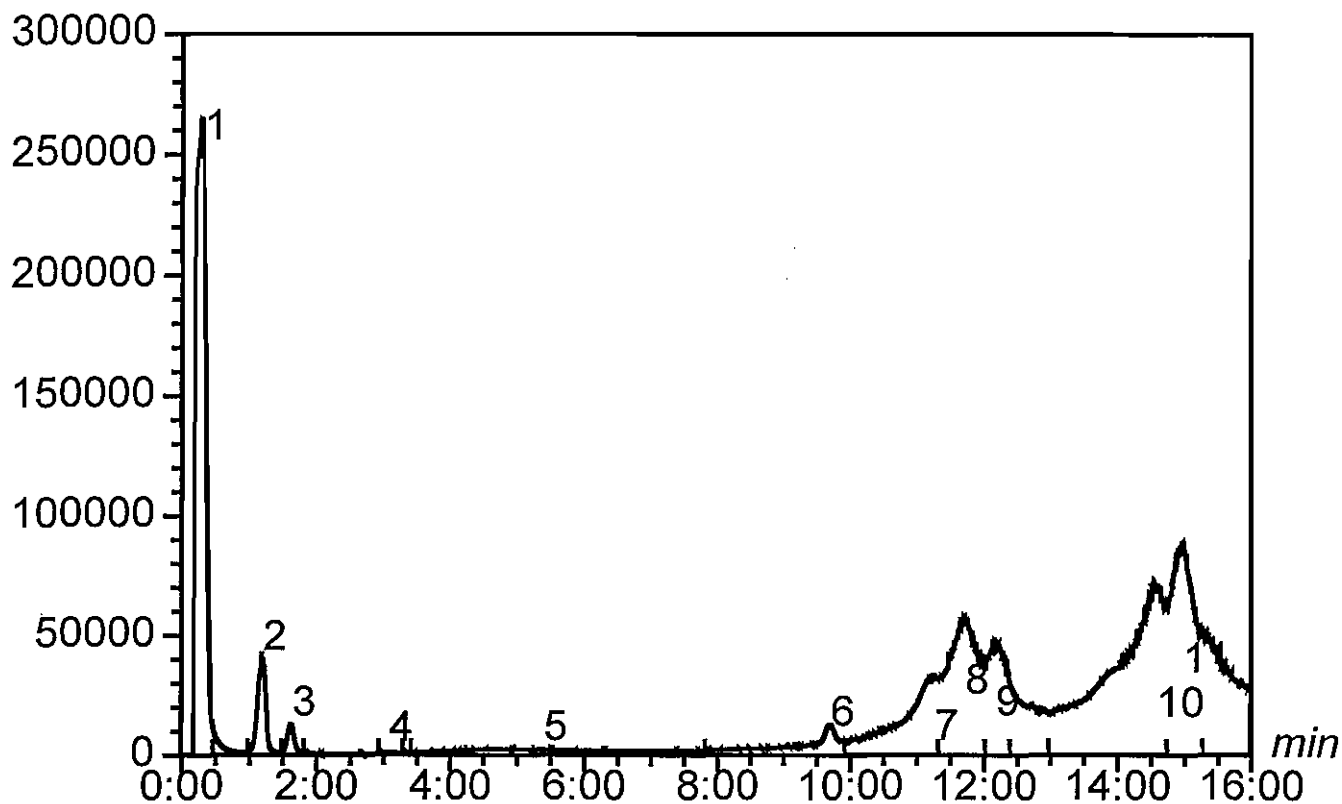
311 STEL=Off

Repeat Cycle=1

'C:\WPEAK\TO142.JOB' Run #269 10/5/99 4:34PM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	4.423	265682	55588534	0:17
2	1,2-dichlorotetrafluoroethane	0.023	694	408094	1:18
3	chloroethane	0.364	1179	420053	1:48
4	1,1-dichloroethane	0.417	103	1112200	3:15
5	1,1,1-trichloroethane	5.900	1957	9127156	4:24
6	unknown		3545	4861306	9:39
7	Carrier Gas Impurity	6.406	7981	12373445	11:06
7	Carrier Gas Impurity	6.406	7981	12373445	11:06
8	unknown		39808	36298619	11:37
9	Carrier Gas Impurity	12.490	23170	24124084	12:06
10	unknown		6293	17793387	13:53
11	unknown		23777	38195469	14:30
12	Carrier Gas impurity	24.079	42592	46506690	14:53

'C:\WPEAK\TO142.JOB' Run #268 10/5/99 3:49PM



INJ/DET Temp=180

Oven Temp=50

Syringe Inj=On

Cont. Pump=Off

311 Plotter=Off

311 TWA Cycle=1

Comment:

s-alfgw3 0-4 feet

Analysis time=16:00

Sample Time=0:20

Alarms=Off

311 TWA=Off

Calibration Cycle=0

Inject Time=0:10

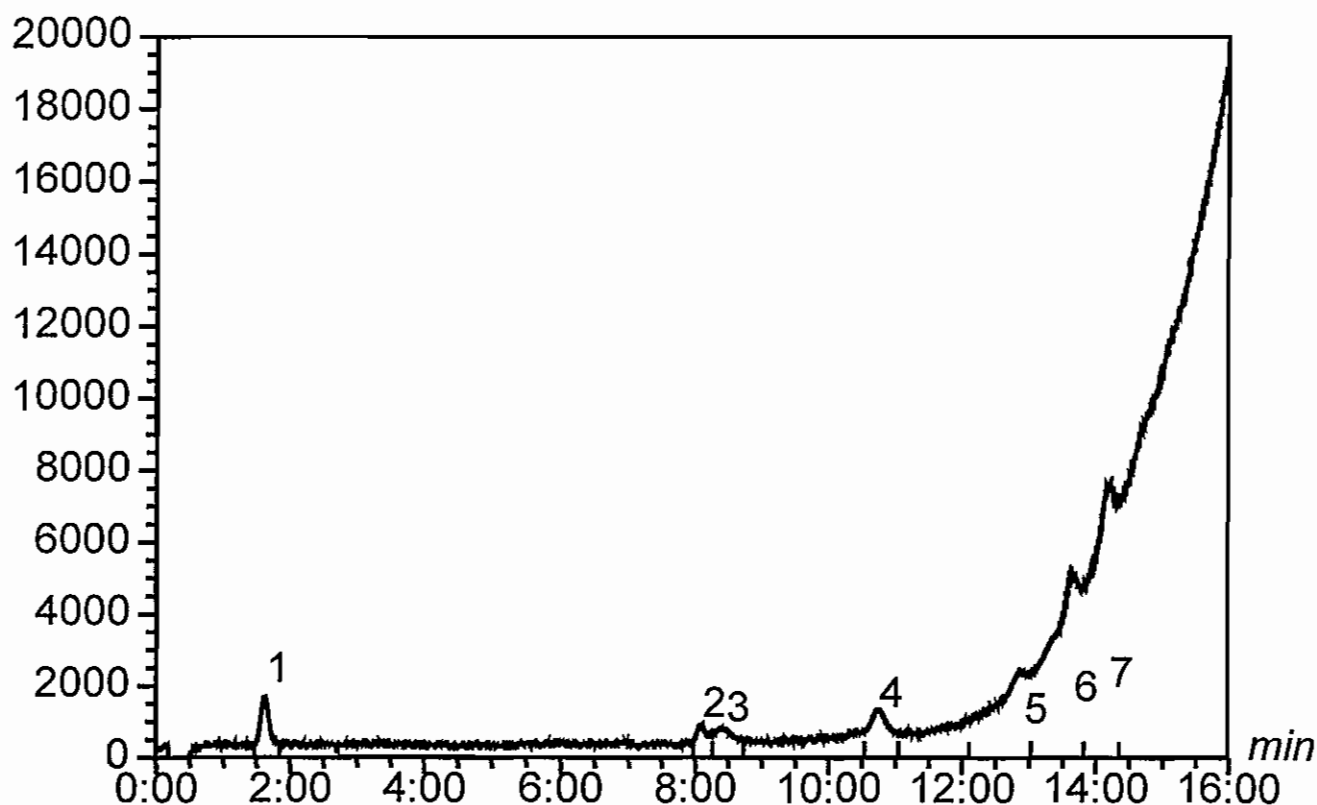
Paper Save=Off

311 STEL=Off

Repeat Cycle=1

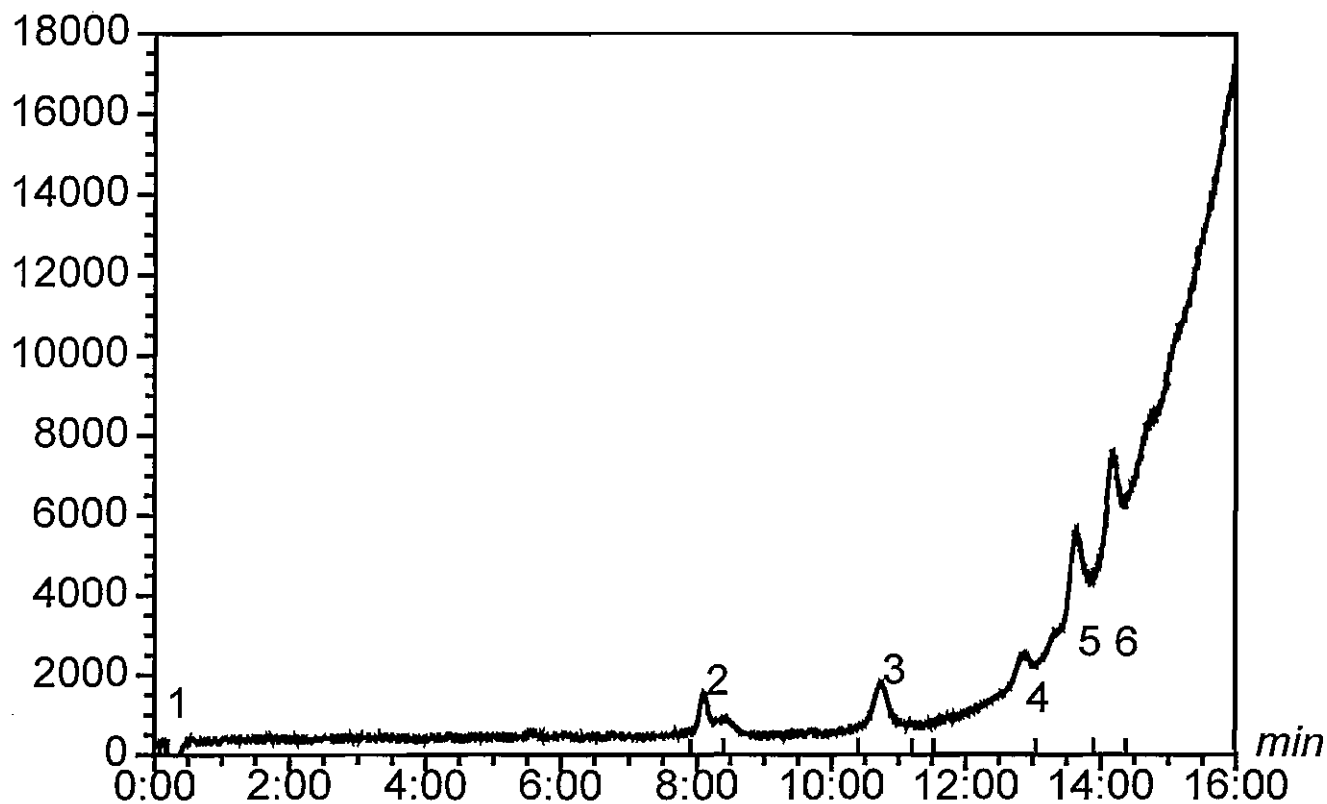
'C:\WPEAK\TO142.JOB' Run #268 10/5/99 3:49PM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	4.218	250372	53010264	0:18
2	1,2-dichlorotetrafluoroethane	0.398	38449	7106866	1:12
3	chloroethane	1.628	10921	1878462	1:39
4	1,1,2-trichloro-1,2,2-trifluoroethane	0.024	220	224528	3:05
5	unknown		717	7922000	5:24
6	unknown		7036	8433672	9:43
7	Carrier Gas Impurity	11.338	1104	21899452	11:16
8	unknown		20315	34944588	11:43
9	unknown		11261	18123856	12:11
10	unknown		10771	71444568	14:35
11	Carrier Gas impurity	22.671	29350	43787602	14:58



INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
 Oven Temp=50 Sample Time=0:20
 Syringe Inj=On Alarms=Off Paper Save=Off
 Cont. Pump=Off
 311 Plotter=Off 311 TWA=Off 311 STEL=Off
 311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
 Comment:
 s-alfgw300-4 feet

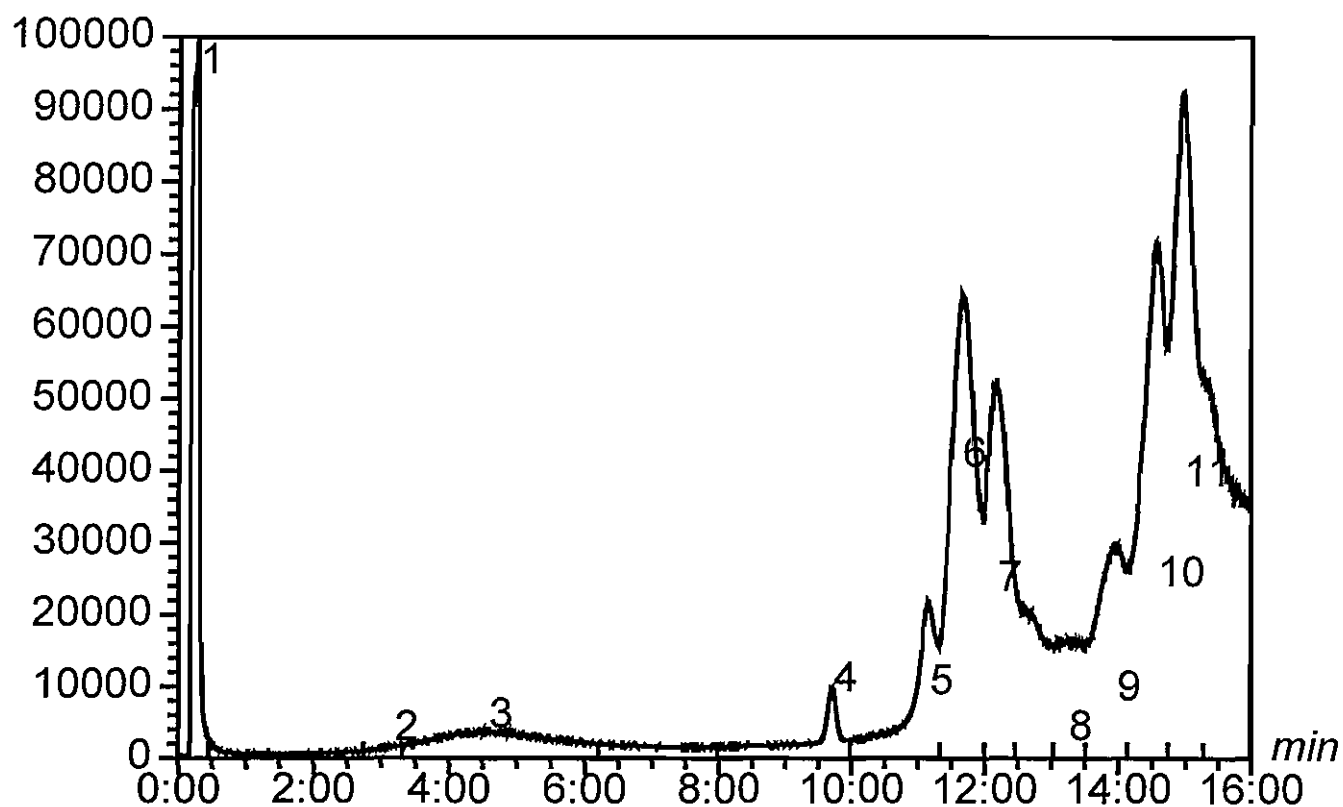
	Name	Conc	Height	Area	Time
1	methylene chloride	1.927	1296	264540	1:38
2	styrene	0.596	323	138088	8:07
3	unknown		204	214279	8:28
4	unknown		616	426327	10:46
5	unknown		150	1426051	12:56
6	Carrier Gas Impurity	18.081	782	3026368	13:41
7	unknown		1176	3650957	14:12



INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
 Oven Temp=50 Sample Time=0:20
 Syringe Inj=On Alarms=Off Paper Save=Off
 Cont. Pump=Off
 311 Plotter=Off 311 TWA=Off 311 STEL=Off
 311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
 Comment:
 s-alfg7 8-12 feet 1.0 ml sample in 1000ml N2

	Name	Conc	Height	Area	Time
1	unknown		222	0	0:10
2	styrene	1.679	778	389131	8:08
3	unknown		1055	733404	10:45
4	unknown		353	1964493	12:54
5	Carrier Gas Impurity	19.514	1746	3266142	13:39
6	unknown		1741	3182727	14:12

'C:\WPEAK\TO142.JOB' Run #267 10/5/99 3:22PM

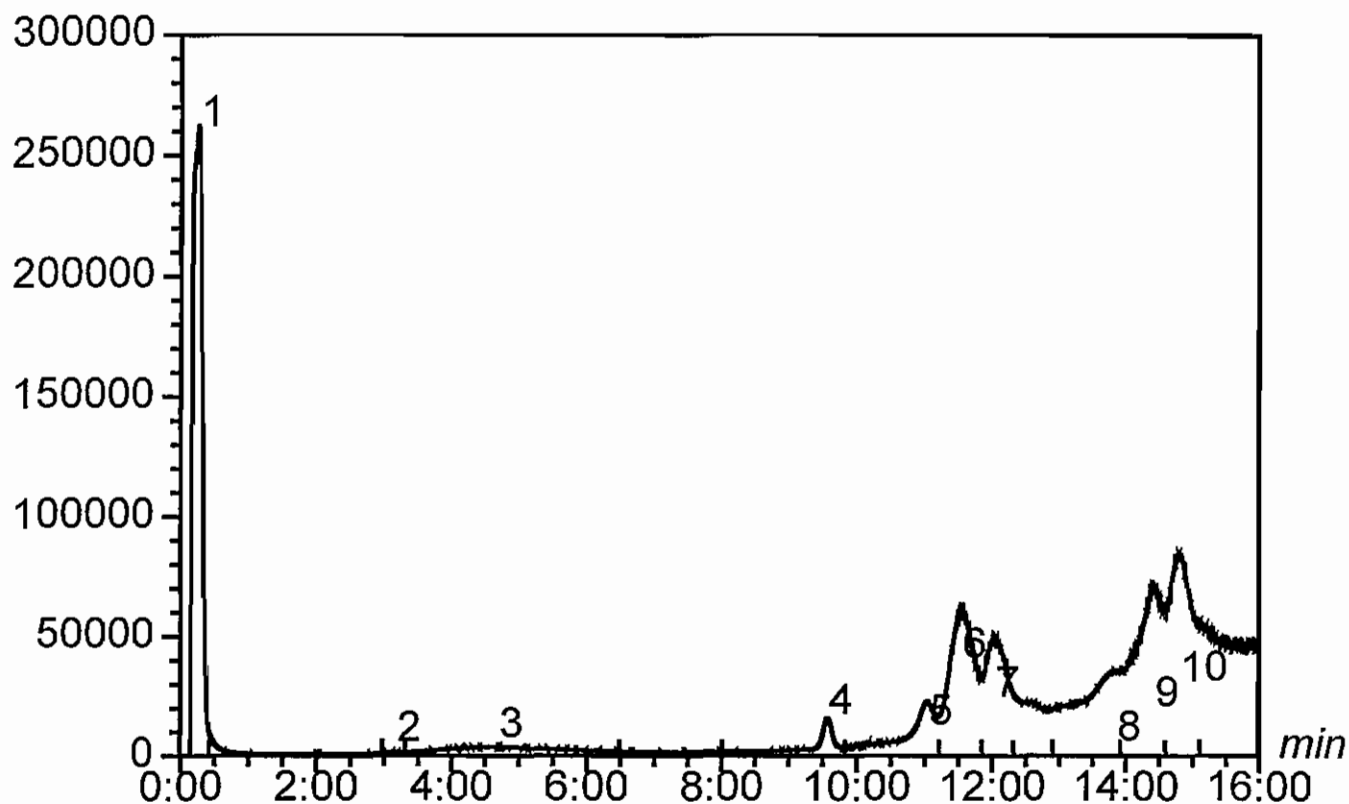


INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
s-alfg7 8-12 feet 1.0 ml sample in 1000ml N2

'C:\WPEAK\TO142.JOB' Run #267 10/5/99 3:22PM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	1.199	92613	15064388	0:17
2	unknown		132	584370	3:12
3	unknown		1903	8355446	4:36
4	unknown		7110	4875490	9:44
5	Carrier Gas Impurity	5.202	6658	10046490	11:11
5	Carrier Gas Impurity	5.202	6658	10046490	11:11
6	unknown		38365	33924018	11:41
7	unknown		21082	22396636	12:12
8	unknown		339	8414630	13:16
9	unknown		5783	16765282	13:59
10	unknown		21756	34216336	14:35
11	Carrier Gas impurity	23.019	35706	44458949	14:59

'C:\WPEAK\TO142.JOB' Run #266 10/5/99 2:28PM



INJ/DET Temp=180

Oven Temp=50

Syringe Inj=On

Cont. Pump=Off

311 Plotter=Off

311 TWA Cycle=1

Comment:

s-alfg7 4-8 feet

Analysis time=16:00

Sample Time=0:20

Alarms=Off

311 TWA=Off

Calibration Cycle=0

Inject Time=0:10

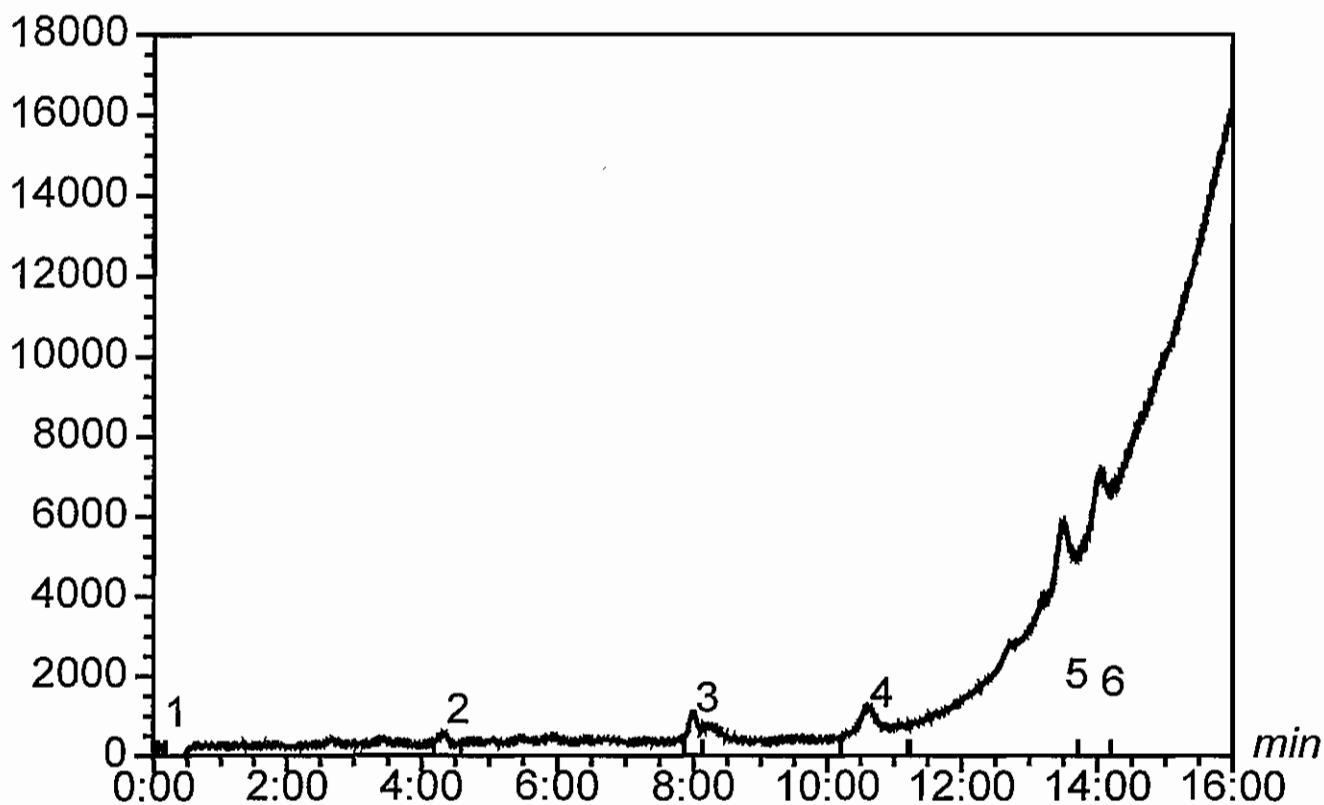
Paper Save=Off

311 STEL=Off

Repeat Cycle=1

Name	Conc	Height	Area	Time
1 dichlorodifluoromethane	4.100	256161	51530562	0:16
2 unknown		221	323022	3:12
3 unknown		2087	8501497	4:43
4 unknown		11985	6394265	9:36
5 Carrier Gas Impurity	6.525	7344	12603396	11:04
5 Carrier Gas Impurity	6.525	7344	12603396	11:04
6 unknown		35437	30762188	11:34
7 Carrier Gas Impurity	11.206	19333	21643820	12:03
8 unknown		673	28708334	13:53
9 unknown		15140	39887026	14:27
10 Carrier Gas impurity	21.337	25724	41211795	14:49

'C:\WPEAK\TO142.JOB' Run #266 10/5/99 2:28PM

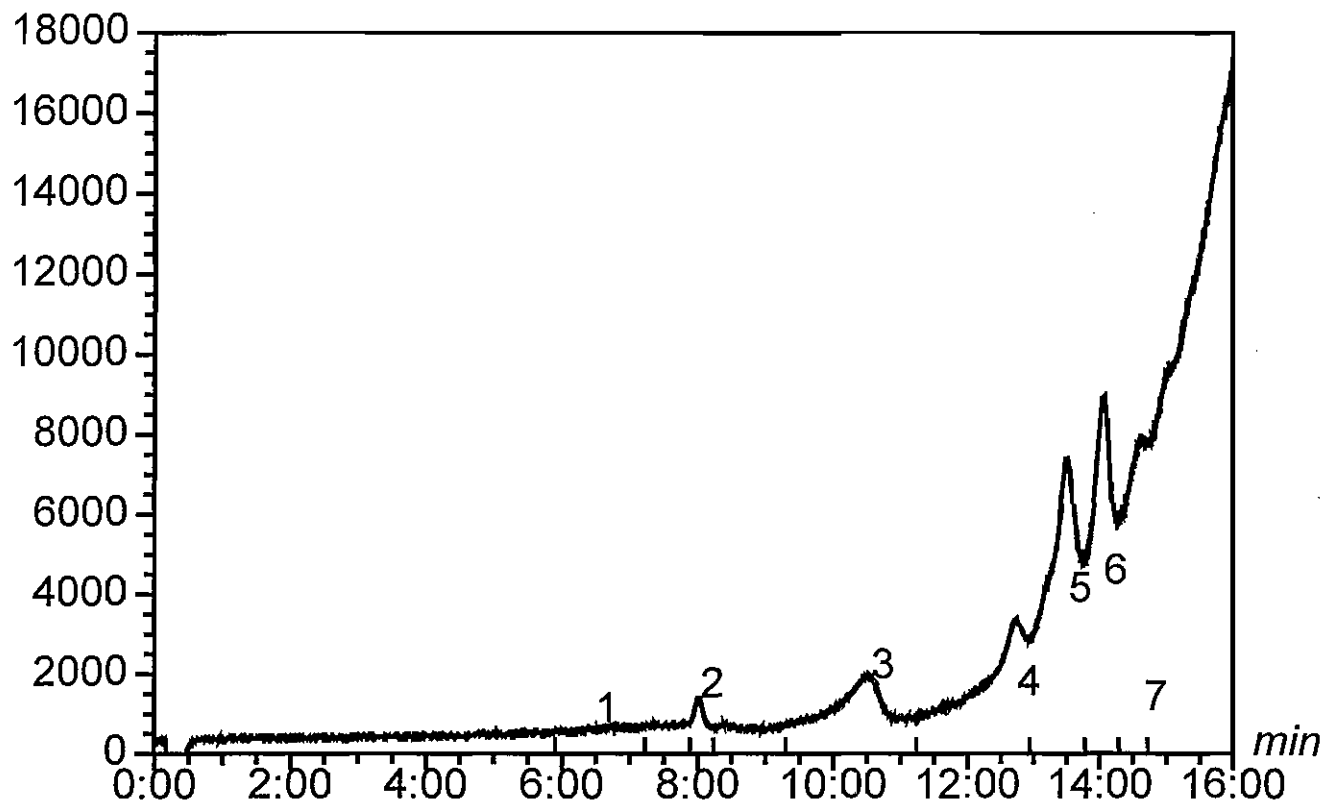


INJ/DET Temp=180
Oven Temp=50
Syringe Inj=On
Cont. Pump=Off
311 Plotter=Off
311 TWA Cycle=1
Comment:
s-alfg7□□4-8 feet

Analysis time=16:00
Sample Time=0:20
Alarms=Off
Paper Save=Off
311 TWA=Off
311 STEL=Off
Calibration Cycle=0
Repeat Cycle=1

Inject Time=0:10

	Name	Conc	Height	Area	Time
1	unknown		132	0	0:09
2	unknown		189	108739	4:22
3	p-xylene	0.672	470	194693	8:02
4	1,2,4-trimethylbenzene	0.622	603	715465	10:39
5	Carrier Gas Impurity	38.285	1075	6408103	13:31
6	unknown		885	3285306	14:03



INJ/DET Temp=180

Oven Temp=50

Syringe Inj=On

Cont. Pump=Off

311 Plotter=Off

311 TWA Cycle=1

Comment:

s-alfg700-4 feet

Analysis time=16:00

Sample Time=0:20

Alarms=Off

Paper Save=Off

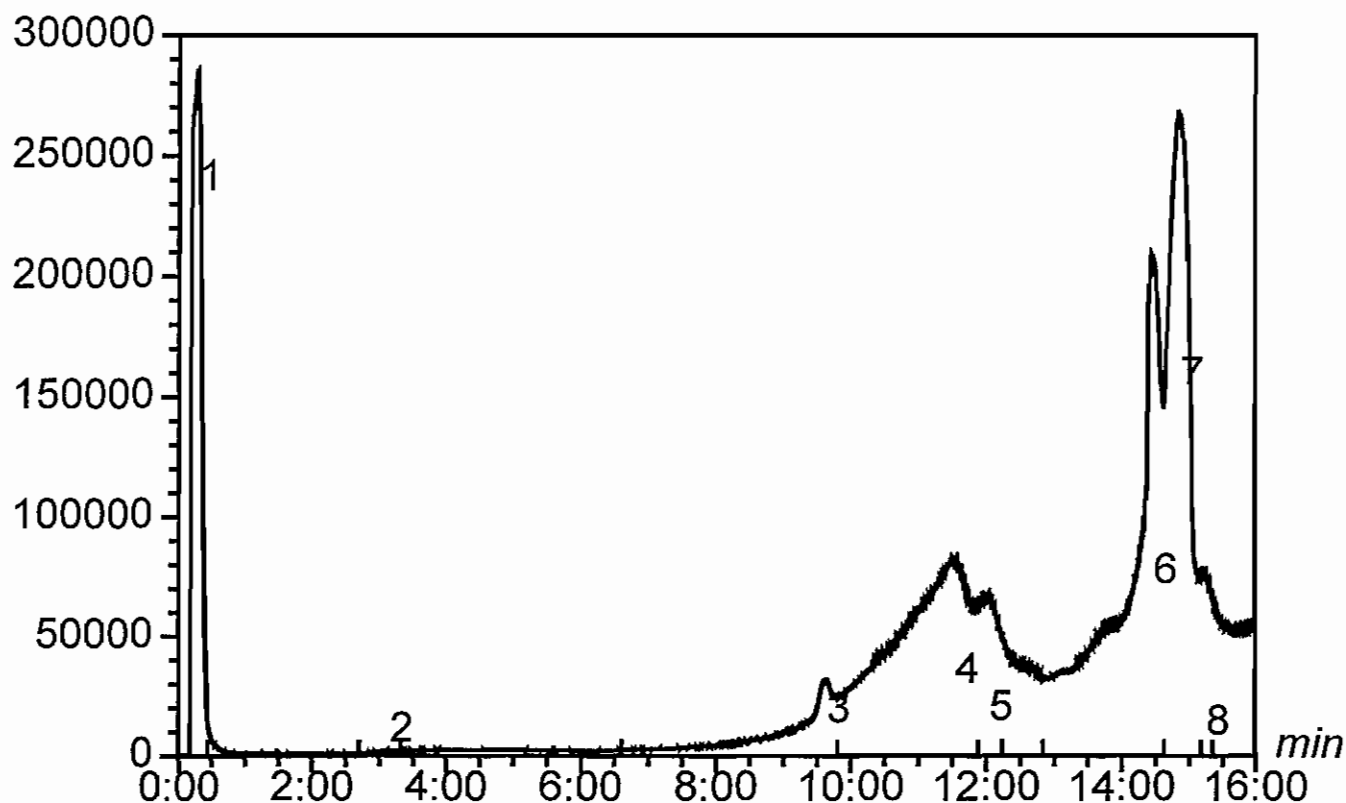
311 TWA=Off

311 STEL=Off

Calibration Cycle=0

Repeat Cycle=1

	Name	Conc	Height	Area	Time
1	chlorobenzene	4.044	-12	439824	6:30
2	p-xylene	0.936	632	271124	8:03
3	1,2,4-trimethylbenzene	1.622	1087	1864302	10:33
4	1,3-dichlorobenzene	1.695	679	2746501	12:45
5	Carrier Gas Impurity	26.349	3024	4410194	13:32
6	unknown		3459	3768574	14:04
7	Carrier Gas Impurity	19.643	293	3287780	14:40



INJ/DET Temp=180

Analysis time=16:00

Inject Time=0:10

Oven Temp=50

Sample Time=0:20

Syringe Inj=On

Alarms=Off

Paper Save=Off

Cont. Pump=Off

311 Plotter=Off

311 TWA=Off

311 STEL=Off

311 TWA Cycle=1

Calibration Cycle=0

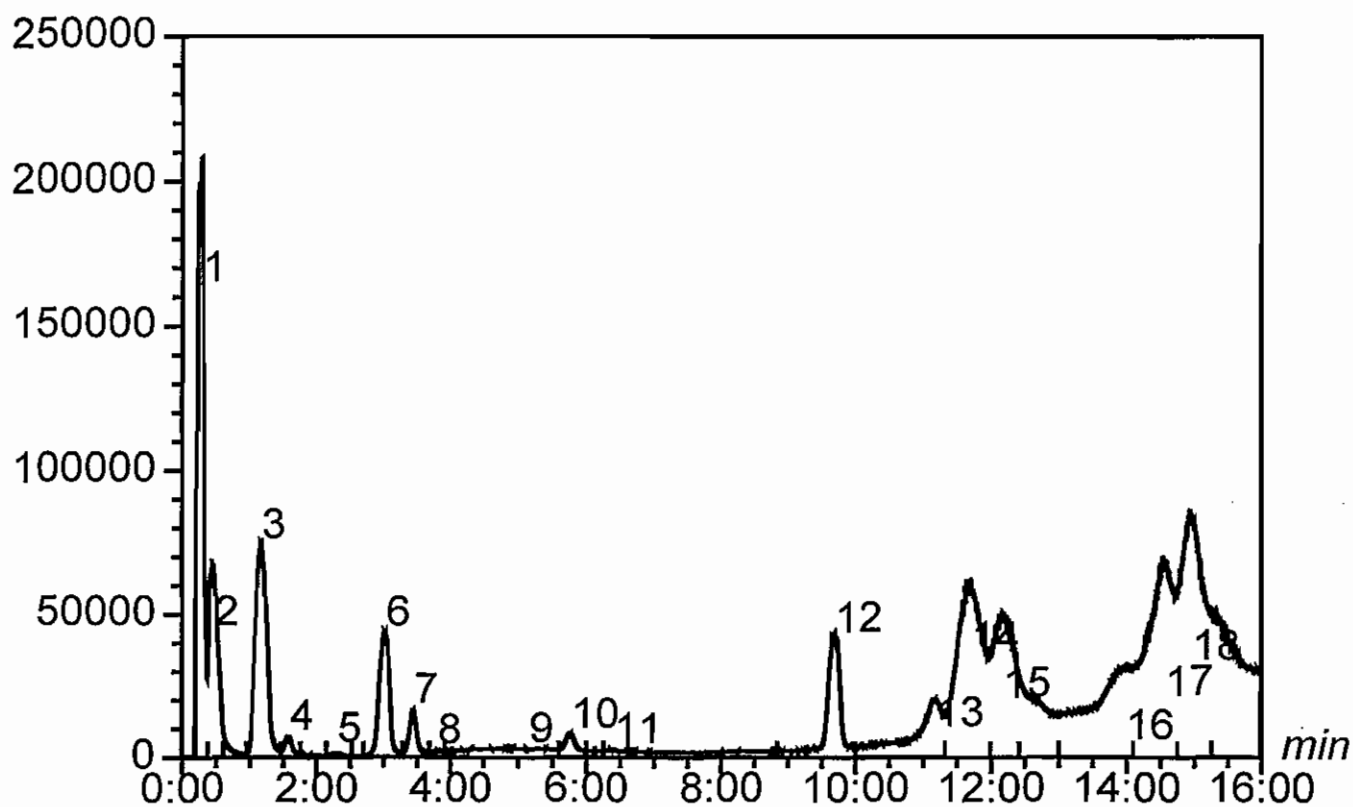
Repeat Cycle=1

Comment:

s-alfg7 0-4 feet

Name	Conc	Height	Area	Time
1 dichlorodifluoromethane	4.502	230428	56588236	0:18
2 1,1,2-trichloro-1,2,2-trifluoroethane	0.093	222	855737	3:09
3 unknown		8588	25824597	9:39
4 unknown		25172	125893422	11:33
5 Carrier Gas Impurity	12.974	9369	25058606	12:03
6 unknown		66672	134579517	14:28
7 Carrier Gas impurity	60.652	148490	117145262	14:52
8 unknown		3415	15368762	15:15

'C:\WPEAK\TO142.JOB' Run #264 10/5/99 1:28PM



INJ/DET Temp=180

Oven Temp=50

Syringe Inj=On

Cont. Pump=Off

311 Plotter=Off

311 TWA Cycle=1

Comment:

calibration 0.20 ppm TO-14

Analysis time=16:00

Sample Time=0:20

Alarms=Off

311 TWA=Off

Calibration Cycle=0

Inject Time=0:10

Paper Save=Off

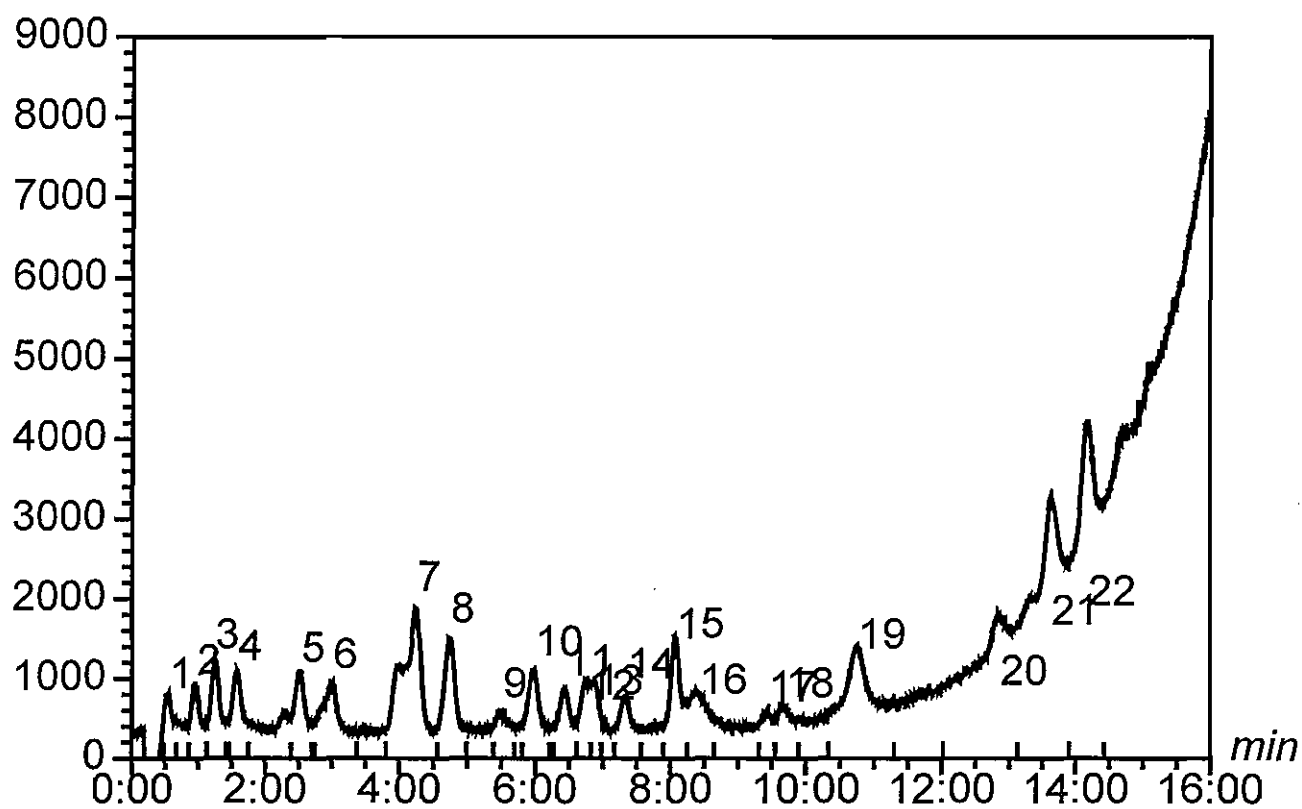
311 STEL=Off

Repeat Cycle=1

'C:\WPEAK\TO142.JOB' Run #264 10/5/99 1:28PM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	1.901	160644	27527548	0:18
2	dichlorodifluoromethane	0.868	41389	12568627	0:29
2	chloromethane	0.868	41389	12568627	0:29
3	1,2-dichlorotetrafluoroethane	0.819	71749	17849827	1:11
4	chloroethane	0.744	5014	1153664	1:36
5	trichlorofluoromethane	0.642	854	272235	2:19
6	1,1,2-trichloro-1,2,2-trifluoroethane	0.728	41144	9166181	3:02
7	1,1-dichloroethane	0.243	14276	2669472	3:27
8	chloroform	0.077	196	375390	3:49
9	unknown		447	4521960	5:10
10	carbon tetrachloride	0.773	5652	1931436	5:47
11	1,2-dichloropropane	1.119	589	832590	6:25
11	1,1,2-trichloroethane	0.843	589	832590	6:25
12	unknown		39088	11978890	9:42
13	Carrier Gas Impurity	4.390	6216	10970663	11:12
14	unknown		32380	31375521	11:42
15	unknown		16353	20792872	12:11
16	unknown		1791	25549016	14:00
17	unknown		17048	35964518	14:34
18	Carrier Gas impurity	16.010	29351	40013120	14:58

'C:\WPEAK\TO142.JOB' Run #264 10/5/99 1:28PM



INJ/DET Temp=180

Analysis time=16:00

Inject Time=0:10

Oven Temp=50

Sample Time=0:20

Syringe Inj=On

Alarms=Off

Paper Save=Off

Cont. Pump=Off

311 Plotter=Off

311 TWA=Off

311 STEL=Off

311 TWA Cycle=1

Calibration Cycle=0

Repeat Cycle=1

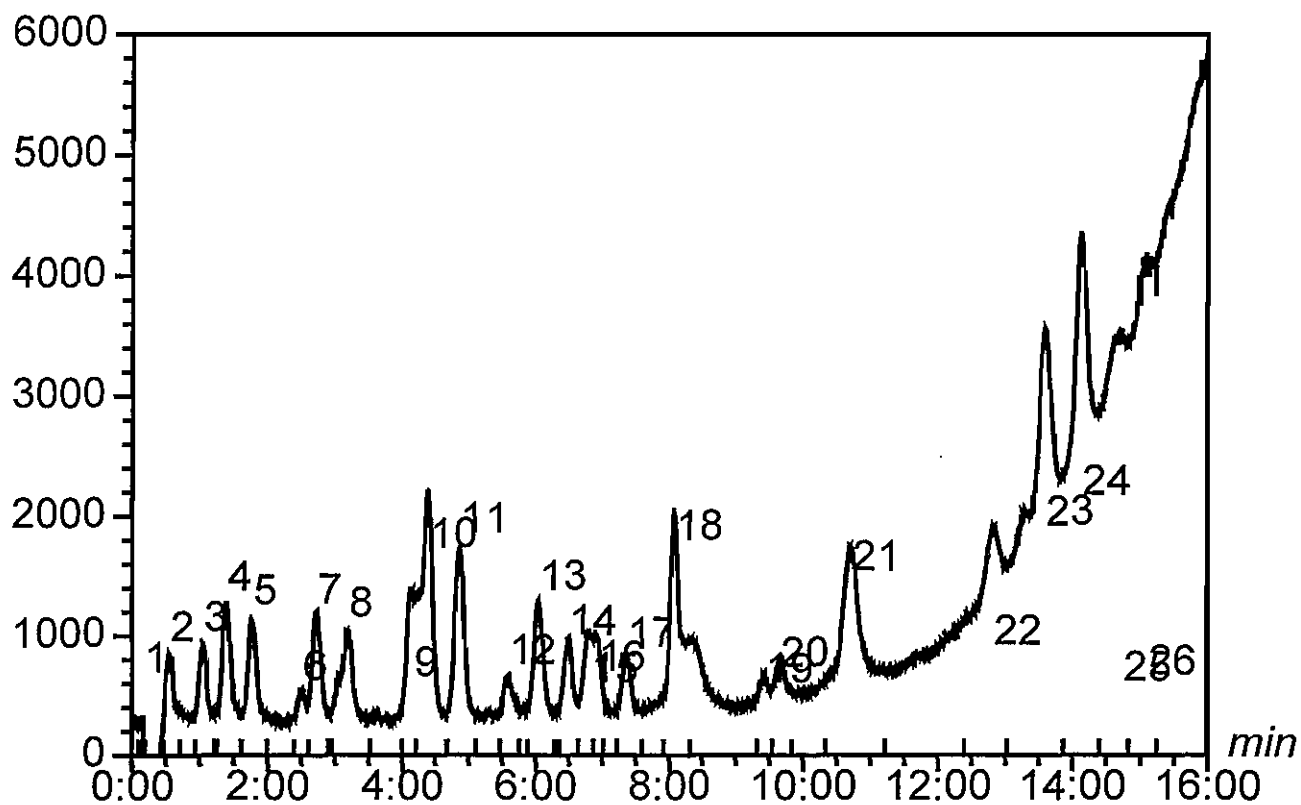
Comment:

calibration 0.20 ppm TO-14

'C:\WPEAK\TO142.JOB' Run #264 10/5/99 1:28PM

	Name	Conc	Height	Area	Time
1	vinyl chloride	0.788	279	70112	0:34
2	bromomethane	0.843	435	90705	0:59
3	1,1-dichloroethene	0.827	762	149357	1:16
4	methylene chloride	0.853	618	137275	1:36
5	cis-1,2-dichloroethene	3.311	596	147227	2:32
6	benzene	0.475	508	170565	3:01
7	trans-1,3-dichloropropene	2.983	1486	558596	4:15
8	toluene	0.493	1083	245409	4:45
9	unknown		151	55740	5:32
10	1,2-dibromoethane	0.475	681	167378	6:00
11	chlorobenzene	0.813	434	108769	6:27
12	ethylbenzene	0.808	125	108844	6:47
13	unknown		188	94017	6:54
14	unknown		396	91632	7:21
15	styrene	0.543	895	231746	8:06
16	unknown		198	178234	8:26
17	4-methyltoluene	0.639	108	51733	9:27
18	1,3,5-trimethylbenzene	0.707	157	95005	9:42
19	unknown		763	586345	10:46
20	unknown		310	1201125	12:52
21	Carrier Gas Impurity	5.067	1063	1786797	13:39
22	unknown		1305	1770249	14:12

'C:\WPEAK\TO142.JOB' Run #263 10/5/99 11:52AM



INJ/DET Temp=180

Analysis time=16:00

Inject Time=0:10

Oven Temp=50

Sample Time=0:20

Syringe Inj=On

Alarms=Off

Paper Save=Off

Cont. Pump=Off

311 Plotter=Off

311 TWA=Off

311 STEL=Off

311 TWA Cycle=1

Calibration Cycle=0

Repeat Cycle=1

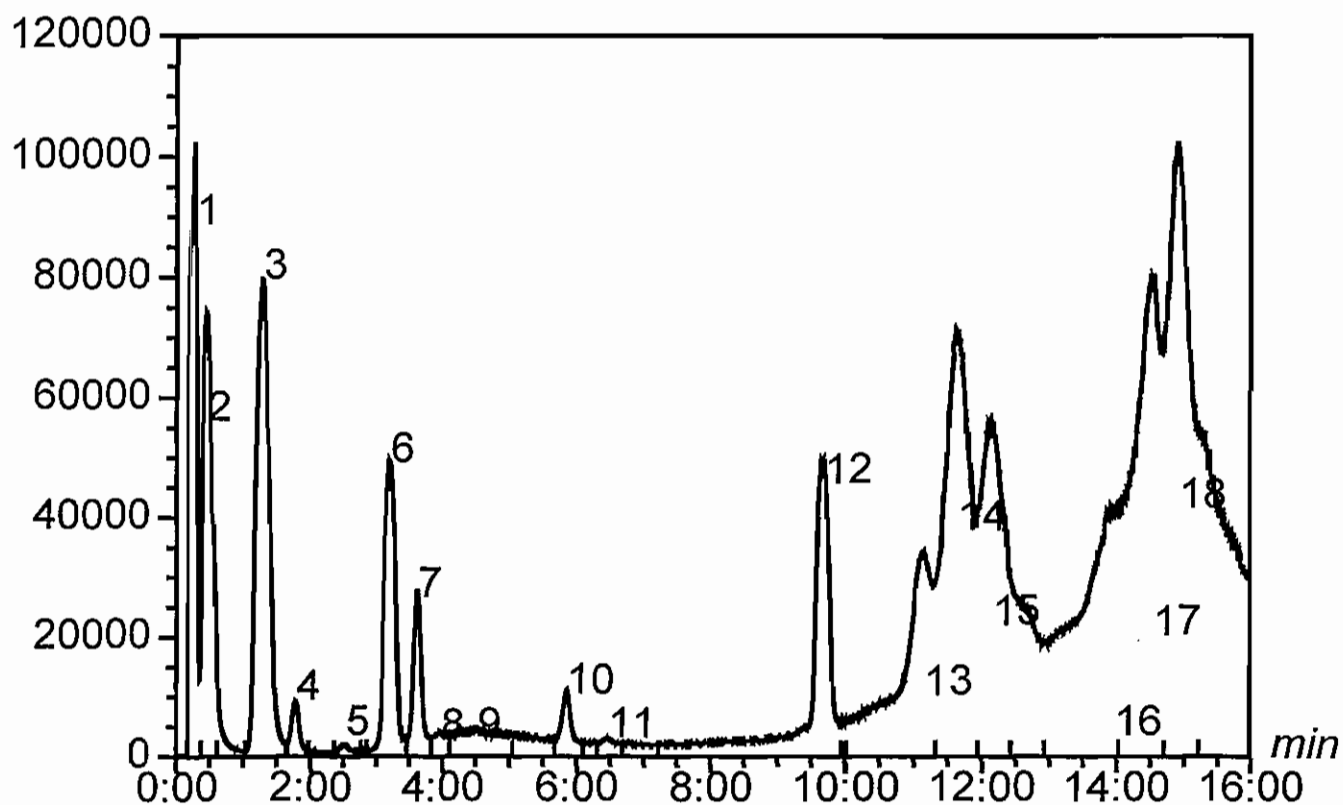
Comment:

calibration 0.20 ppm TO-14 failed

'C:\WPEAK\TO142.JOB' Run #263 10/5/99 11:52AM

	Name	Conc	Height	Area	Time
1	unknown		197	0	0:10
2	vinyl chloride	0.959	456	89016	0:34
3	bromomethane	0.894	537	107618	1:03
4	1,1-dichloroethene	0.896	876	180501	1:24
5	methylene chloride	0.594	759	160845	1:47
6	cis-1,2-dichloroethene	0.688	129	44465	2:31
7	unknown		762	164732	2:44
8	unknown		655	202639	3:12
9	trans-1,3-dichloropropene	0.650	157	187255	4:10
10	unknown		1234	483667	4:24
11	unknown		1357	301394	4:52
12	unknown		263	85432	5:36
13	unknown		878	217924	6:03
14	chlorobenzene	0.917	501	133770	6:30
15	ethylbenzene	0.964	108	134652	6:50
16	unknown		205	108750	6:56
17	unknown		407	126540	7:23
18	styrene	0.834	1296	426661	8:06
19	4-methyltoluene	1.038	104	80976	9:27
20	1,3,5-trimethylbenzene	1.053	237	134462	9:40
21	unknown		1042	721195	10:44
22	unknown		423	874060	12:51
23	Carrier Gas Impurity	5.583	1419	1968851	13:37
24	unknown		1670	1786360	14:09
25	unknown		117	1441837	14:45
26	unknown		171	1671961	15:07

'C:\WPEAK\TO142.JOB' Run #263 10/5/99 11:53AM



INJ/DET Temp=180

Analysis time=16:00

Inject Time=0:10

Oven Temp=50

Sample Time=0:20

Syringe Inj=On

Alarms=Off

Paper Save=Off

Cont. Pump=Off

311 Plotter=Off

311 TWA=Off

311 STEL=Off

311 TWA Cycle=1

Calibration Cycle=0

Repeat Cycle=1

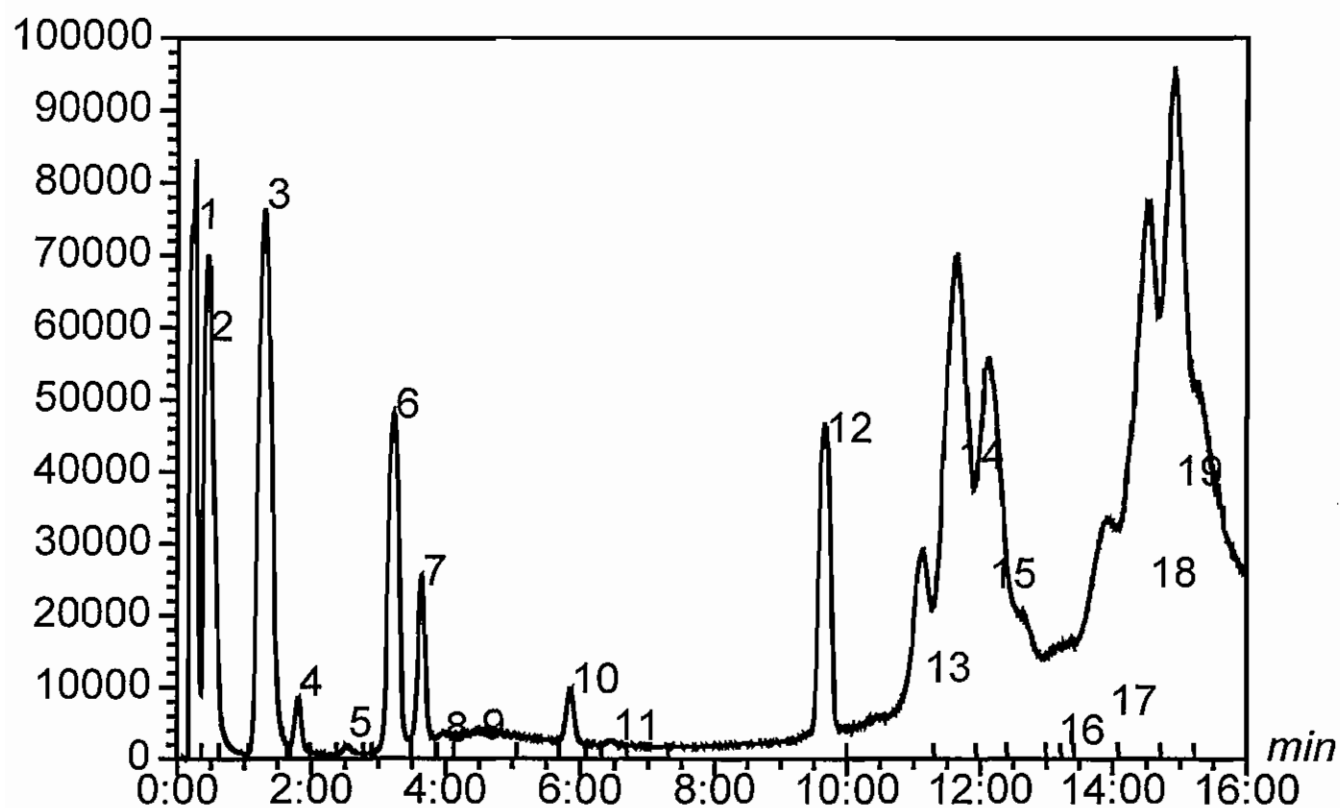
Comment:

calibration 0.20 ppm TO-14 failed

'C:\WPEAK\TO142.JOB' Run #263 10/5/99 11:53AM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	1.077	86299	14919542	0:17
2	dichlorodifluoromethane	1.045	53721	14482478	0:28
2	chloromethane	1.045	53721	14482478	0:28
3	1,2-dichlorotetrafluoroethane	1.041	77334	21804768	1:18
4	chloroethane	1.134	7025	1550840	1:48
5	unknown		1195	472182	2:32
6	unknown		46720	11462378	3:12
7	chloroform	1.108	24284	4869240	3:38
8	1,2-dichloroethane	1.186	482	1045200	3:58
9	unknown		748	3986760	4:31
10	unknown		8160	2500024	5:51
11	1,1,2-trichloroethane	1.117	731	987735	6:28
12	unknown		43230	19580647	9:42
13	Carrier Gas Impurity	8.303	7910	20750884	11:09
13	Carrier Gas Impurity	8.303	7910	20750884	11:09
14	unknown		35425	36784854	11:39
15	Carrier Gas Impurity	10.439	19580	26089459	12:09
16	unknown		1110	33213140	13:58
17	unknown		17842	45342678	14:33
18	Carrier Gas impurity	18.938	39047	47331075	14:56

'C:\WPEAK\TO142.JOB' Run #262 10/5/99 11:10AM



INJ/DET Temp=180

Oven Temp=50

Syringe Inj=On

Cont. Pump=Off

311 Plotter=Off

311 TWA Cycle=1

Comment:

calibration 0.20 ppm TO-14 failed

Analysis time=16:00

Sample Time=0:20

Alarms=Off

311 TWA=Off

Calibration Cycle=0

Inject Time=0:10

Paper Save=Off

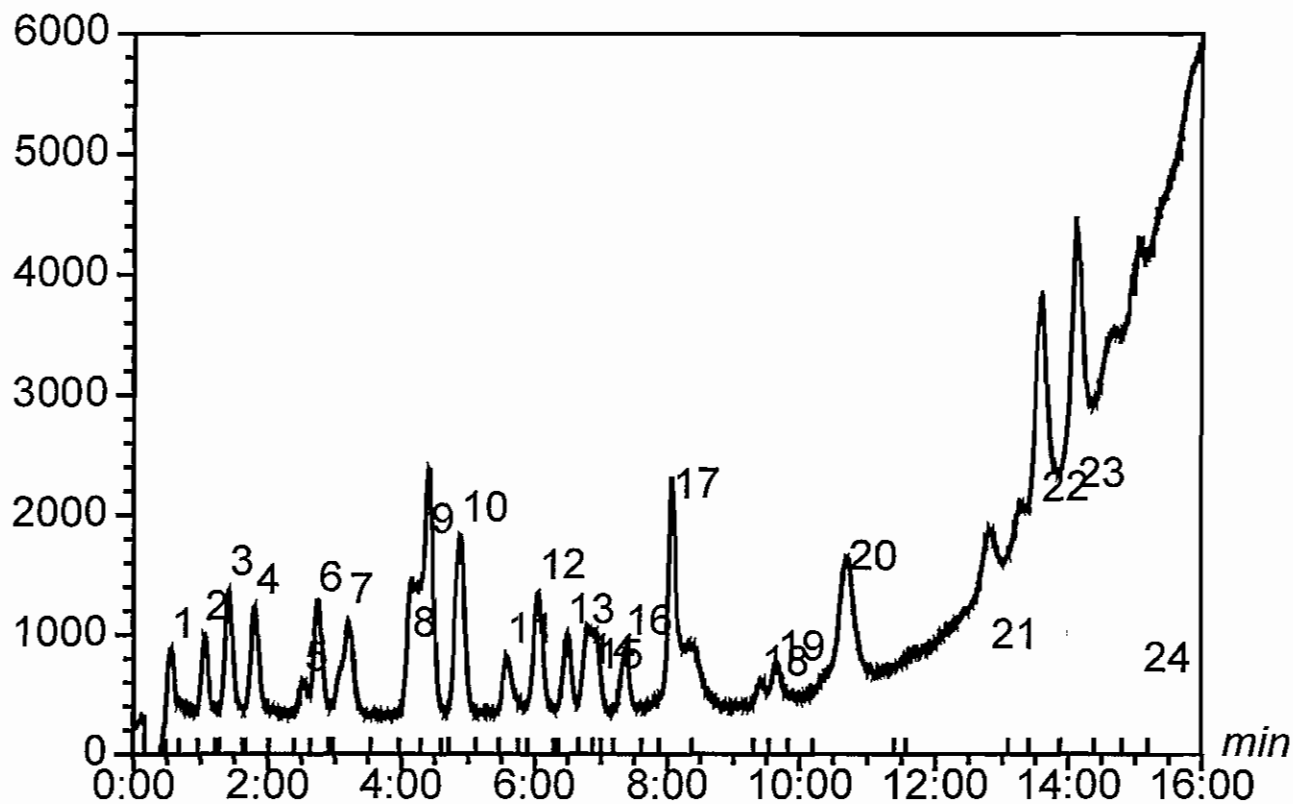
311 STEL=Off

Repeat Cycle=1

'C:\WPEAK\TO142.JOB' Run #262 10/5/99 11:10AM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	0.762	71663	11908476	0:17
2	dichlorodifluoromethane	0.886	56231	13853427	0:29
2	chloromethane	0.886	56231	13853427	0:29
3	1,2-dichlorotetrafluoroethane	0.925	74441	20955387	1:19
4	chloroethane	0.694	6774	1367101	1:49
5	unknown		1133	444021	2:33
6	1,1-dichloroethane	2.341	45392	10970993	3:15
7	chloroform	9.651	22197	4392690	3:39
8	1,2-dichloroethane	1.058	361	881045	4:00
9	unknown		769	3637942	4:33
10	unknown		7249	2187340	5:52
11	1,1,2-trichloroethane	2.206	675	884325	6:29
12	unknown		42157	16750822	9:41
13	Carrier Gas Impurity	6.137	8813	15338625	11:09
13	Carrier Gas Impurity	6.137	8813	15338625	11:09
14	unknown		38377	35969389	11:39
15	Carrier Gas Impurity	9.807	21804	24510281	12:09
16	unknown		102	3765786	13:11
17	unknown		4150	19258100	13:57
18	unknown		22035	39475230	14:33
19	Carrier Gas impurity	17.661	36145	44139111	14:56

'C:\WPEAK\TO142.JOB' Run #262 10/5/99 11:10AM

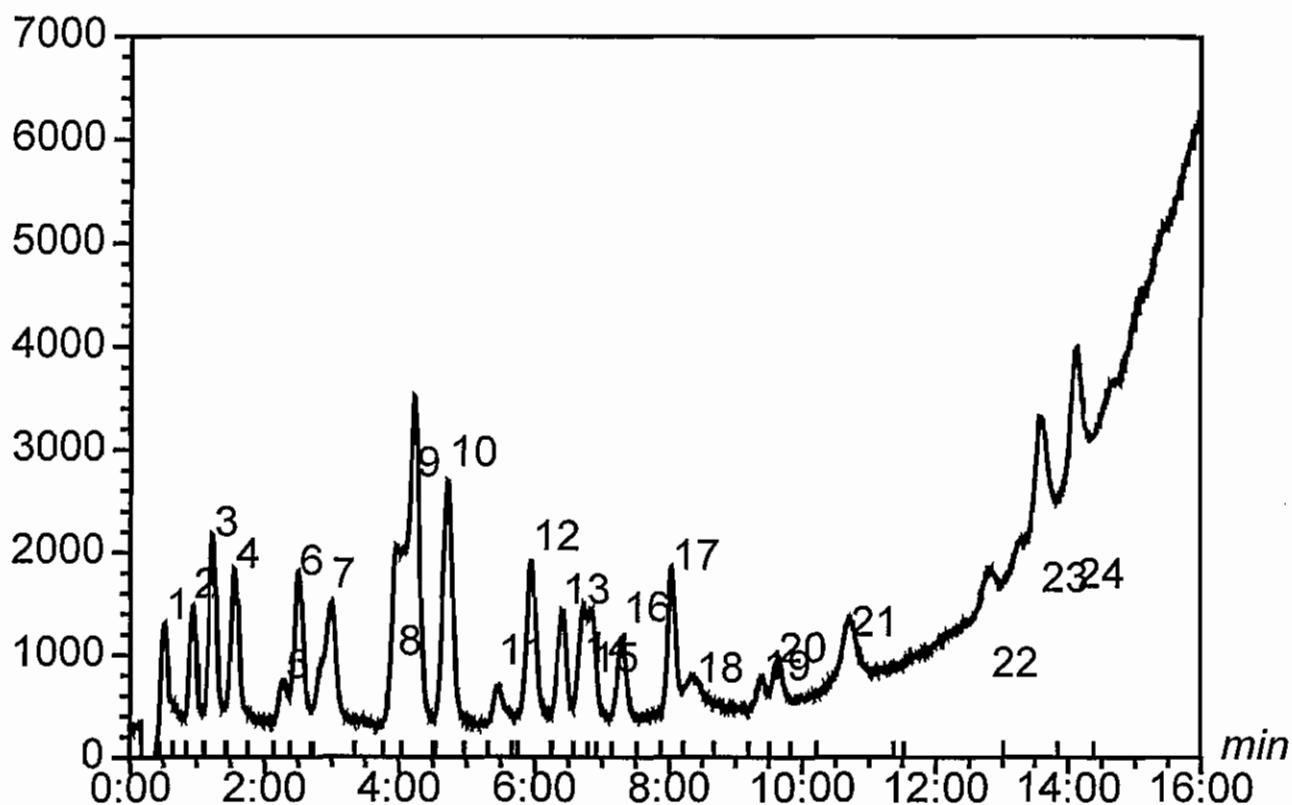


INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
calibration 0.20 ppm TO-14 failed

'C:\WPEAK\TO142.JOB' Run #262 10/5/99 11:10AM

	Name	Conc	Height	Area	Time
1	vinyl chloride	0.641	439	92852	0:34
2	bromomethane	0.674	577	120391	1:04
3	1,1-dichloroethene	0.669	953	201436	1:26
4	unknown		798	184176	1:49
5	cis-1,2-dichloroethene	0.221	154	64627	2:33
6	unknown		814	192339	2:45
7	unknown		717	242218	3:13
8	trans-1,3-dichloropropene	0.352	438	288008	4:10
9	unknown		1306	430392	4:26
10	unknown		1401	322753	4:54
11	unknown		391	119028	5:36
12	unknown		924	237878	6:04
13	chlorobenzene	0.737	551	145866	6:30
14	ethylbenzene	0.885	214	139618	6:49
15	unknown		174	103705	6:56
16	unknown		460	139213	7:23
17	styrene	1.383	1600	511565	8:06
18	4-methyltoluene	0.449	118	77990	9:26
19	1,3,5-trimethylbenzene	0.735	246	127696	9:40
20	unknown		998	841970	10:44
21	1,3-dichlorobenzene	0.676	341	1619940	12:50
22	Carrier Gas Impurity	3.962	1573	1397342	13:36
23	unknown		1688	1749186	14:09
24	unknown		150	1598830	15:07

'C:\WPEAK\TO142.JOB' Run #261 10/5/99 10:25AM



INJ/DET Temp=180

Oven Temp=50

Syringe Inj=On

Cont. Pump=Off

311 Plotter=Off

311 TWA Cycle=1

Comment:

calibration 0.30 ppm TO-14

Analysis time=16:00

Sample Time=0:20

Alarms=Off

311 TWA=Off

Calibration Cycle=0

Inject Time=0:10

Paper Save=Off

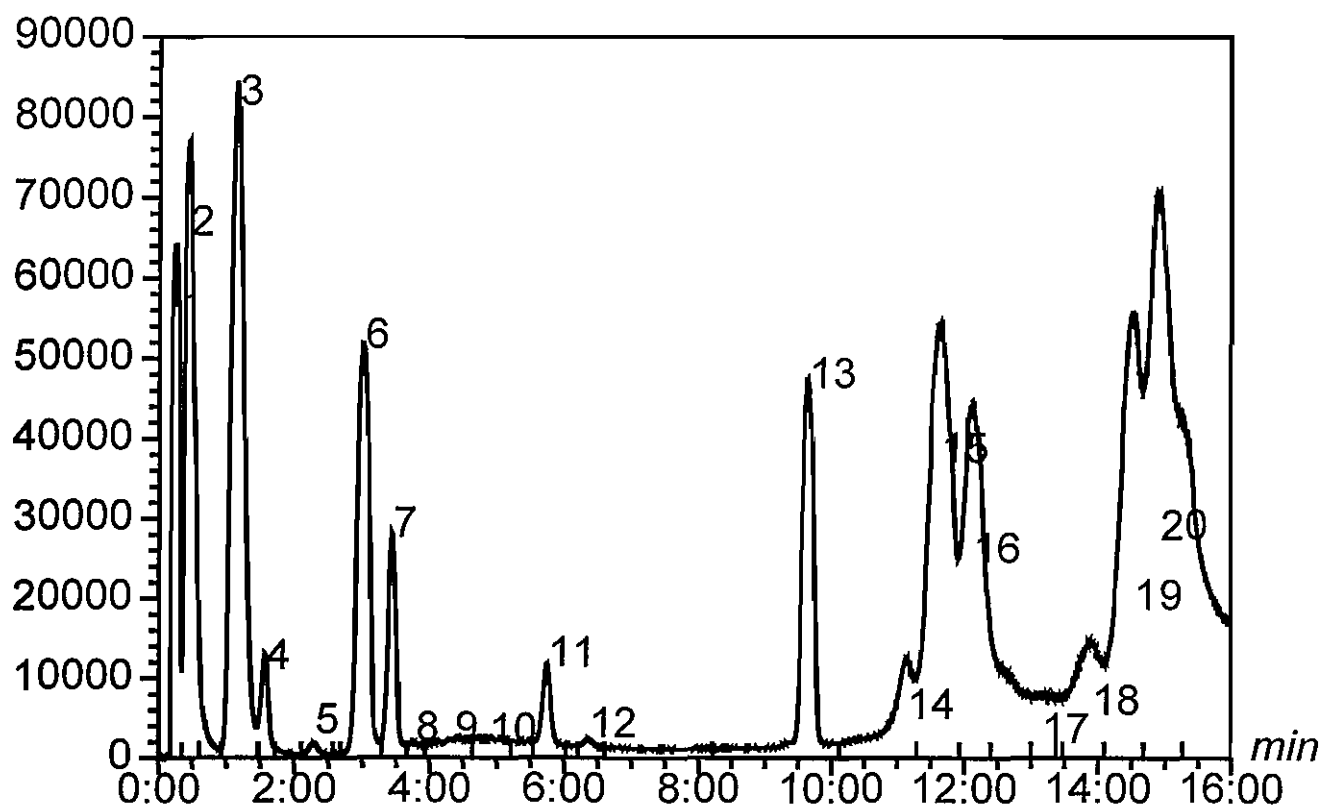
311 STEL=Off

Repeat Cycle=1

'C:\WPEAK\TO142.JOB' Run #261 10/5/99 10:25AM

	Name	Conc	Height	Area	Time
1	vinyl chloride	0.682	767	144821	0:32
2	bromomethane	0.654	967	178530	0:57
3	1,1-dichloroethene	0.638	1570	300955	1:15
4	methylene chloride	0.601	1262	270935	1:35
5	3-chloropropene	0.618	183	82052	2:18
6	cis-1,2-dichloroethene	0.601	1195	291820	2:31
7	benzene	0.585	1064	359395	3:00
8	cis-1,3-dichloropropene	0.871	410	310346	3:59
9	trans-1,3-dichloropropene	1.259	2151	817979	4:15
10	toluene	0.472	2255	497328	4:44
11	unknown		317	93463	5:28
12	1,2-dibromoethane	0.460	1433	352657	5:58
13	tetrachloroethene	0.590	915	224966	6:25
13	chlorobenzene	0.413	915	224966	6:25
14	chlorobenzene	0.363	342	197935	6:44
14	ethylbenzene	0.460	342	197935	6:44
15	ethylbenzene	0.367	249	157820	6:51
16	m-xylene	0.346	739	187260	7:19
17	p-xylene	1.323	1249	289537	8:03
18	unknown		151	205389	8:25
19	4-methyltoluene	0.219	172	120275	9:25
20	4-methyltoluene	0.317	341	173810	9:39
20	1,3,5-trimethylbenzene	0.797	341	173810	9:39
21	unknown		596	828174	10:44
22	unknown		198	1673614	12:51
23	Carrier Gas Impurity	2.600	1030	1993031	13:36
24	unknown		1069	1779452	14:09

'C:\WPEAK\TO142.JOB' Run #261 10/5/99 10:26AM



INJ/DET Temp=180

Analysis time=16:00

Inject Time=0:10

Oven Temp=50

Sample Time=0:20

Syringe Inj=On

Alarms=Off

Paper Save=Off

Cont. Pump=Off

311 Plotter=Off

311 TWA=Off

311 STEL=Off

311 TWA Cycle=1

Calibration Cycle=0

Repeat Cycle=1

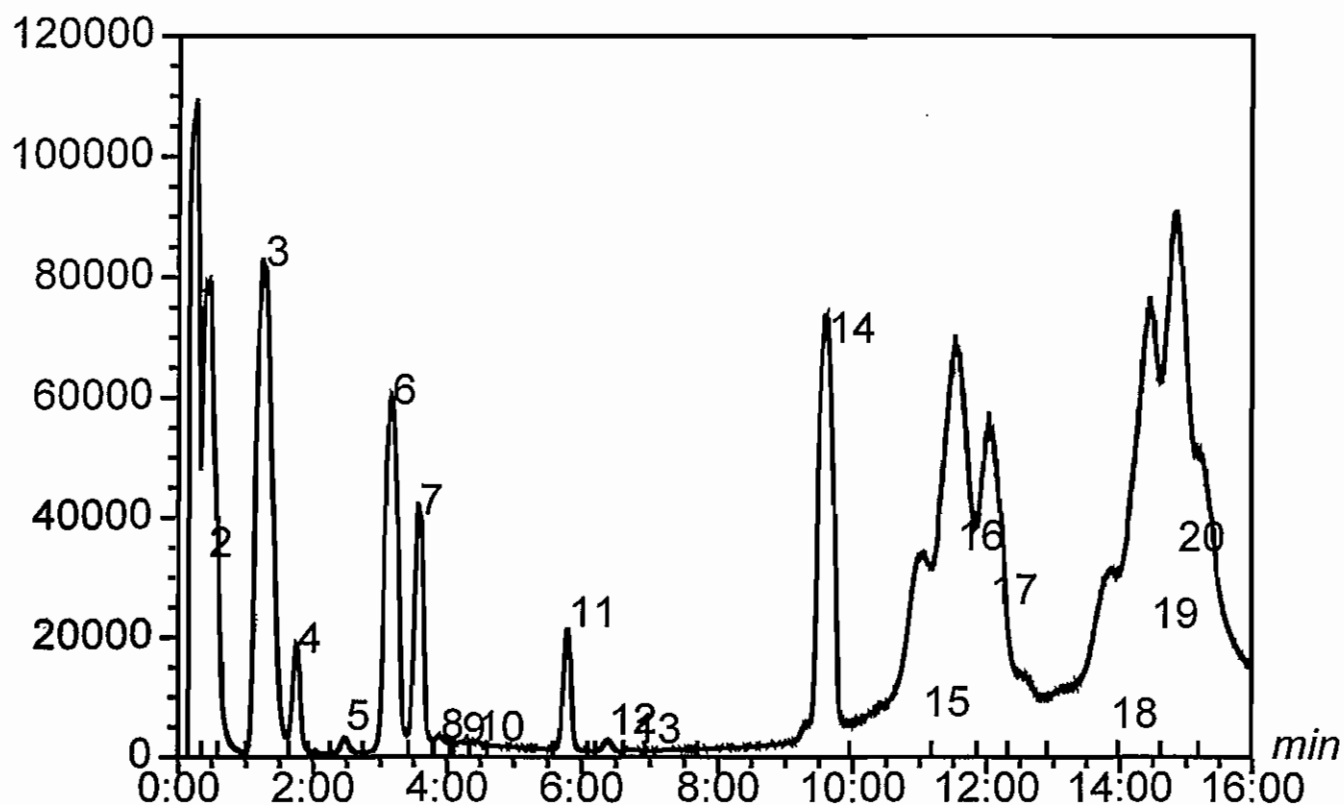
Comment:

calibration 0.30 ppm TO-14

'C:\WPEAK\TO142.JOB' Run #261 10/5/99 10:26AM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	0.489	52995	9048614	0:17
2	dichlorodifluoromethane	0.844	63529	15628026	0:27
2	chloromethane	0.844	63529	15628026	0:27
3	1,2-dichlorotetrafluoroethane	0.827	79717	22657145	1:10
4	chloroethane	0.630	9392	1970041	1:35
5	trichlorofluoromethane	0.520	1379	423829	2:18
6	1,1,2-trichloro-1,2,2-trifluoroethane	0.768	49440	12595167	3:01
7	1,1-dichloroethane	1.561	25935	4686000	3:27
8	chloroform	0.547	338	455173	3:48
9	1,1,1-trichloroethane	2.160	344	1546947	4:23
10	unknown		114	1442672	4:54
11	carbon tetrachloride	0.648	9732	2499214	5:45
12	1,2-dichloropropane	0.927	896	744184	6:23
13	unknown		44685	13235550	9:40
14	Carrier Gas Impurity	1.540	3226	5935027	11:09
14	Carrier Gas Impurity	1.540	3226	5935027	11:09
15	unknown		35333	26515884	11:39
16	Carrier Gas Impurity	4.684	22853	18056603	12:09
17	unknown		154	3337665	13:10
18	unknown		3757	7947779	13:55
19	unknown		16983	24039892	14:33
20	Carrier Gas impurity	9.772	25683	37669203	14:56

'C:\WPEAK\TO142.JOB' Run #260 10/5/99 9:51AM



INJ/DET Temp=180

Oven Temp=50

Syringe Inj=On

Cont. Pump=Off

311 Plotter=Off

311 TWA Cycle=1

Comment:

calibration 1.0 ppm TO-14

Analysis time=16:00

Sample Time=0:20

Alarms=Off

311 TWA=Off

Calibration Cycle=0

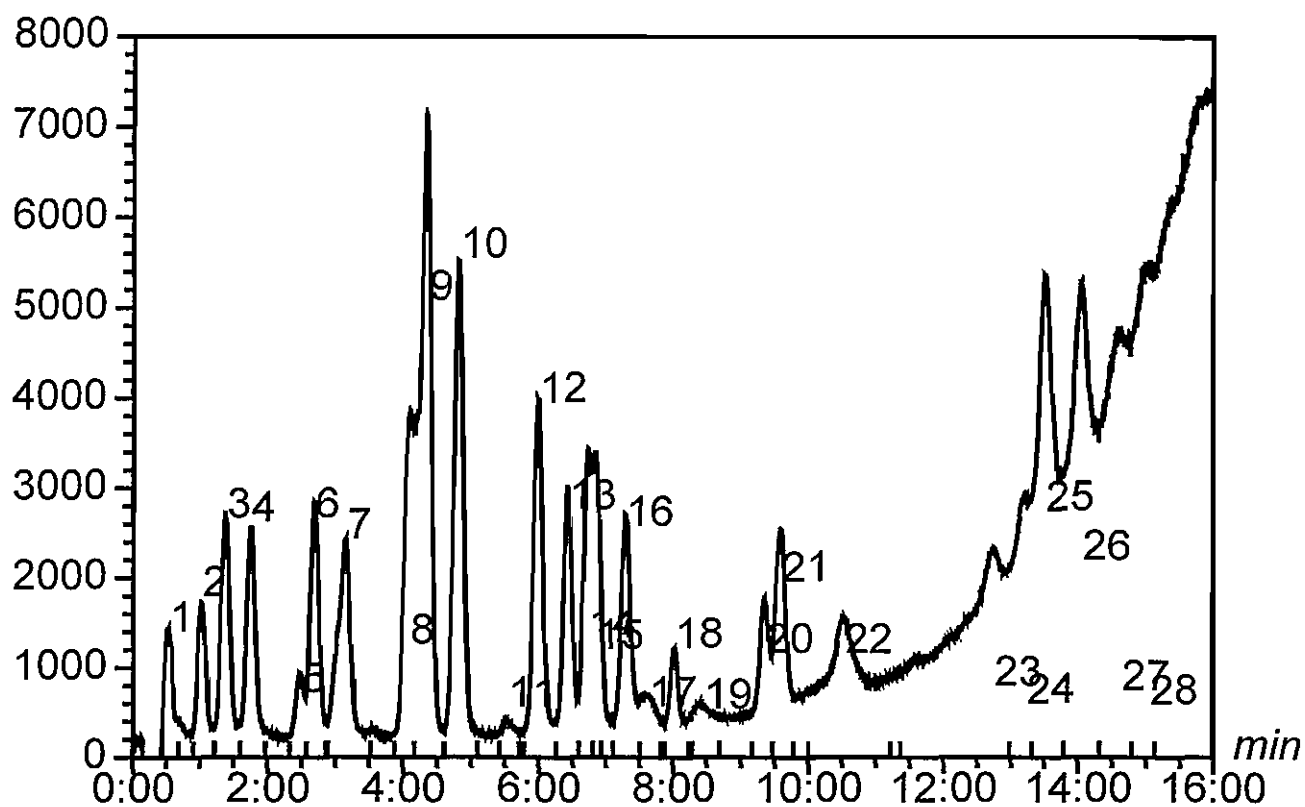
Inject Time=0:10

Paper Save=Off

311 STEL=Off

Repeat Cycle=1

'C:\WPEAK\TO142.JOB' Run #260 10/5/99 9:51AM



INJ/DET Temp=180

Analysis time=16:00

Inject Time=0:10

Oven Temp=50

Sample Time=0:20

Syringe Inj=On

Alarms=Off

Paper Save=Off

Cont. Pump=Off

311 Plotter=Off

311 TWA=Off

311 STEL=Off

311 TWA Cycle=1

Calibration Cycle=0

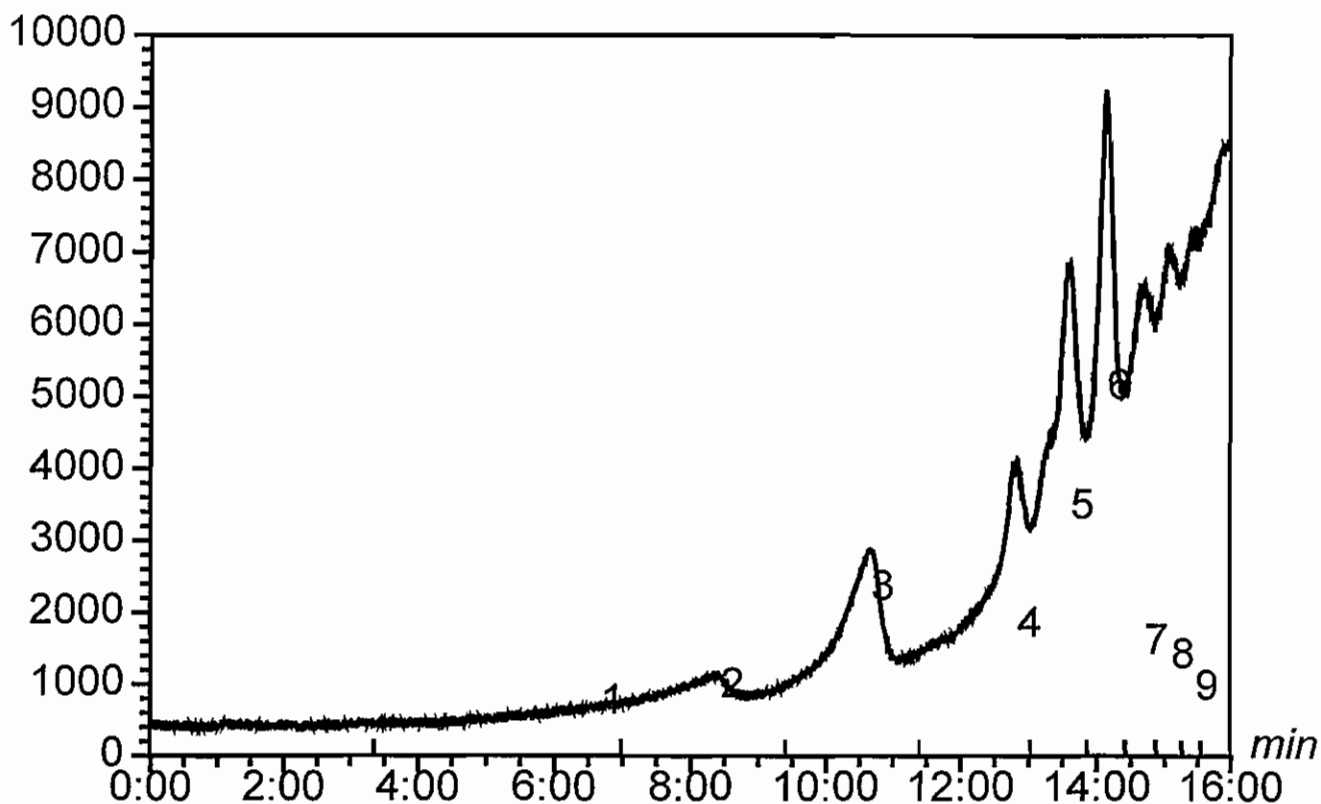
Repeat Cycle=1

Comment:

calibration 1.0 ppm TO-14

'C:\WPEAK\TO142.JOB' Run #260 10/5/99 9:51AM

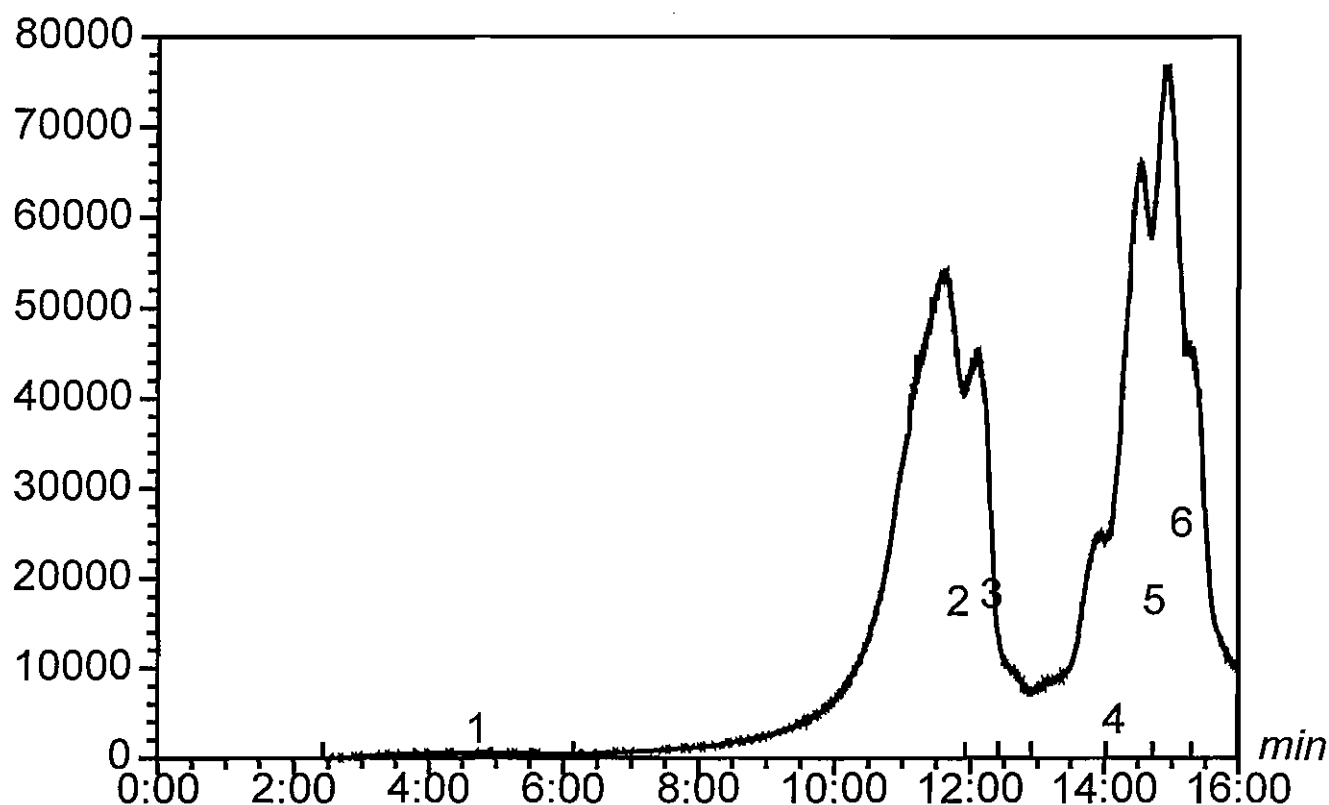
	Name	Conc	Height	Area	Time
1	vinyl chloride	2.113	978	212372	0:33
2	bromomethane	2.043	1361	273005	1:02
3	1,1-dichloroethene	2.221	2235	471630	1:24
4	methylene chloride	2.311	2194	450690	1:45
5	3-chloropropene	2.309	292	132835	2:30
5	cis-1,2-dichloroethene	0.606	292	132835	2:30
6	cis-1,2-dichloroethene	2.215	2231	485898	2:42
7	benzene	2.349	1998	614682	3:09
8	trans-1,3-dichloropropene	1.455	833	649479	4:06
9	unknown		4648	1600640	4:21
10	toluene	2.765	5109	1053069	4:49
11	unknown		129	63973	5:33
12	1,2-dibromoethane	2.676	3518	766472	6:00
13	chlorobenzene	2.916	2327	545559	6:27
14	chlorobenzene	2.911	896	544686	6:45
14	ethylbenzene	2.947	896	544686	6:45
15	ethylbenzene	2.328	773	430195	6:51
16	m-xylene	2.375	2145	540456	7:18
17	unknown		137	167617	7:39
18	p-xylene	0.659	788	218851	8:02
19	unknown		109	170986	8:27
20	o-xylene	1.975	735	342747	9:22
20	4-methyltoluene	2.536	735	342747	9:22
21	4-methyltoluene	4.059	1525	548622	9:36
22	1,2,4-trimethylbenzene	0.662	726	1149400	10:33
23	1,3-dichlorobenzene	0.669	364	2396692	12:45
24	unknown		169	926145	13:15
25	Carrier Gas Impurity	7.156	2312	2049289	13:32
26	unknown		1764	2352708	14:04
27	Carrier Gas Impurity	7.861	318	2251239	14:39
28	unknown		154	1914021	15:03



INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
 Oven Temp=50 Sample Time=0:20
 Syringe Inj=On Alarms=Off Paper Save=Off
 Cont. Pump=Off
 311 Plotter=Off 311 TWA=Off 311 STEL=Off
 311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
 Comment:
 carrier gas ☐ warm up

	Name	Conc	Height	Area	Time
1	chlorobenzene	2.397	-19	448489	6:41
1	ethylbenzene	2.427	-19	448489	6:41
2	unknown		213	1298647	8:27
3	1,2,4-trimethylbenzene	1.627	1575	2823318	10:41
4	unknown		1063	3400279	12:51
5	Carrier Gas Impurity	14.381	2702	4118466	13:37
6	unknown		4369	3836145	14:09
7	Carrier Gas Impurity	9.833	829	2816034	14:42
8	unknown		633	2701459	15:06
9	unknown		185	2126242	15:27

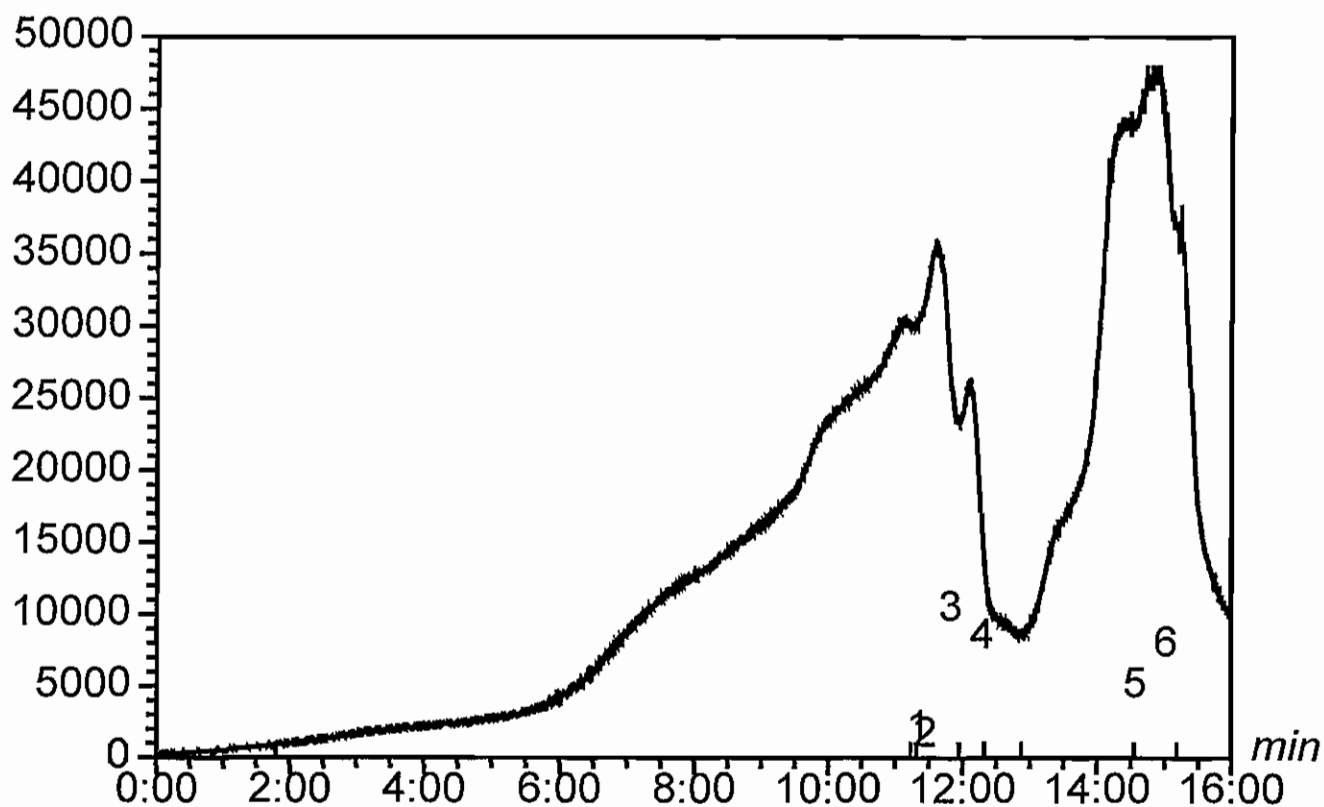
'C:\WPEAK\TO142.JOB' Run #259 10/5/99 9:02AM



INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
carrier gas warm up

	Name	Conc	Height	Area	Time
1	unknown		298	1821193	4:33
2	unknown		14611	67949939	11:39
3	Carrier Gas Impurity	11.009	15331	20503966	12:09
4	unknown		1353	16759361	13:58
5	unknown		14677	36911435	14:34
6	Carrier Gas impurity	22.264	23322	41464420	14:58

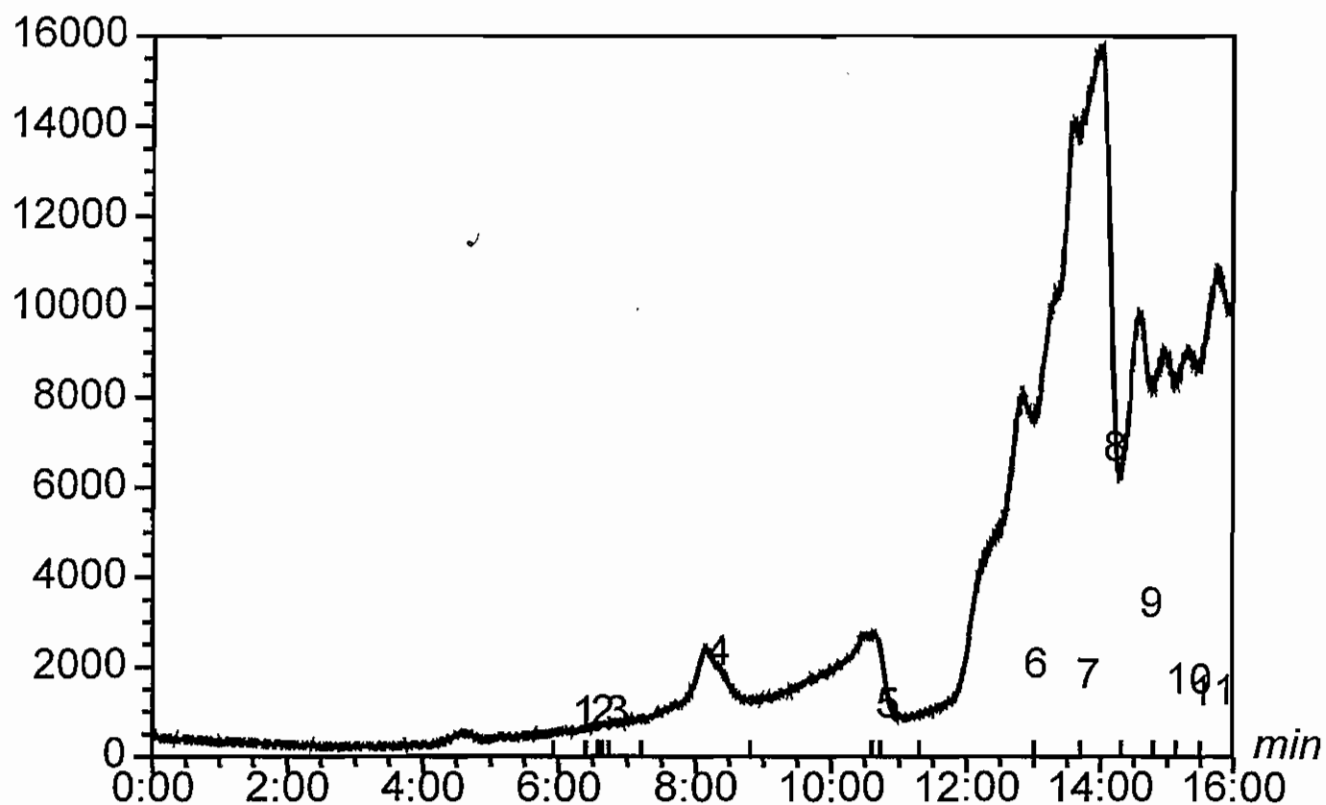
'C:\WPEAK\TO142.JOB' Run #258 10/5/99 8:23AM



INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
carrier gas □□warm up

	Name	Conc	Height	Area	Time
1	Carrier Gas Impurity	52.313	433	97429898	11:10
1	Carrier Gas Impurity	52.313	433	97429898	11:10
2	Carrier Gas Impurity	1.573	-50	2928705	11:17
3	unknown		8756	22170075	11:39
4	Carrier Gas Impurity	5.210	6792	9703995	12:07
5	unknown		3408	43796204	14:23
6	Carrier Gas impurity	17.228	6286	32086577	14:50

'C:\WPEAK\TO142.JOB' Run #258 10/5/99 8:23AM



INJ/DET Temp=180

Oven Temp=50

Syringe Inj=On

Cont. Pump=Off

311 Plotter=Off

311 TWA Cycle=1

Comment:

carrier gas ☐ warm up

Analysis time=16:00

Sample Time=0:20

Alarms=Off

311 TWA=Off

Calibration Cycle=0

Inject Time=0:10

Paper Save=Off

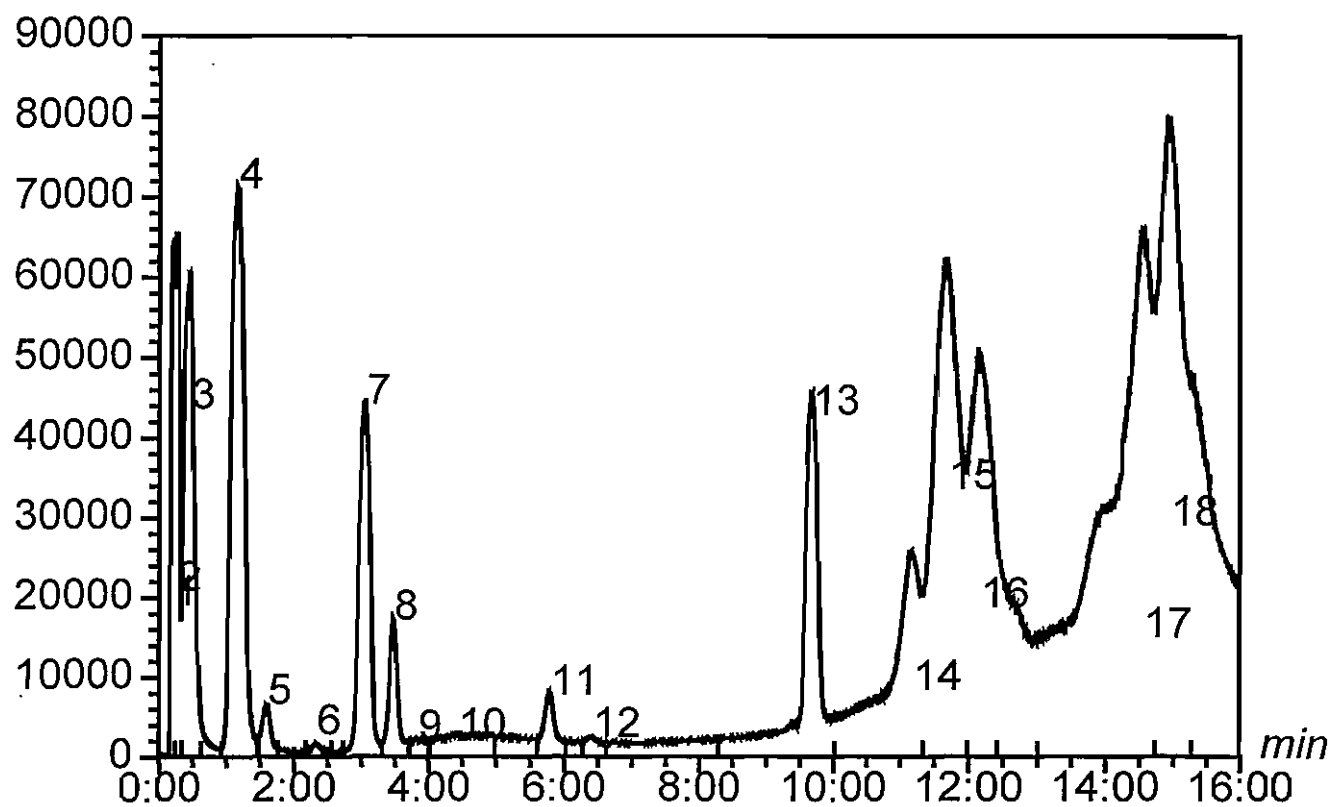
311 STEL=Off

Repeat Cycle=1

'C:\WPEAK\TO142.JOB' Run #258 10/5/99 8:23AM

	Name	Conc	Height	Area	Time
1	tetrachloroethene	0.208	-7	79411	6:12
2	chlorobenzene	0.268	-2	50122	6:28
3	chlorobenzene	0.157	-3	29337	6:40
3	ethylbenzene	0.159	-3	29337	6:40
4	styrene	5.034	1329	1862275	8:09
5	1,2,4-trimethylbenzene	0.197	168	341100	10:39
6	unknown		1058	6216644	12:51
7	Carrier Gas Impurity	28.188	813	8072331	13:38
8	unknown		5876	8499183	14:02
9	Carrier Gas Impurity	15.359	2409	4398384	14:35
10	unknown		723	3111807	14:58
11	unknown		462	3379119	15:21

'C:\WPEAK\TO142.JOB' Run #257 10/4/99 11:52AM



INJ/DET Temp=180

Oven Temp=50

Syringe Inj=On

Cont. Pump=Off

311 Plotter=Off

311 TWA Cycle=1

Comment:

calibration 0.20 ppm TO-14

Analysis time=16:00

Sample Time=0:20

Alarms=Off

311 TWA=Off

Calibration Cycle=0

Inject Time=0:10

Paper Save=Off

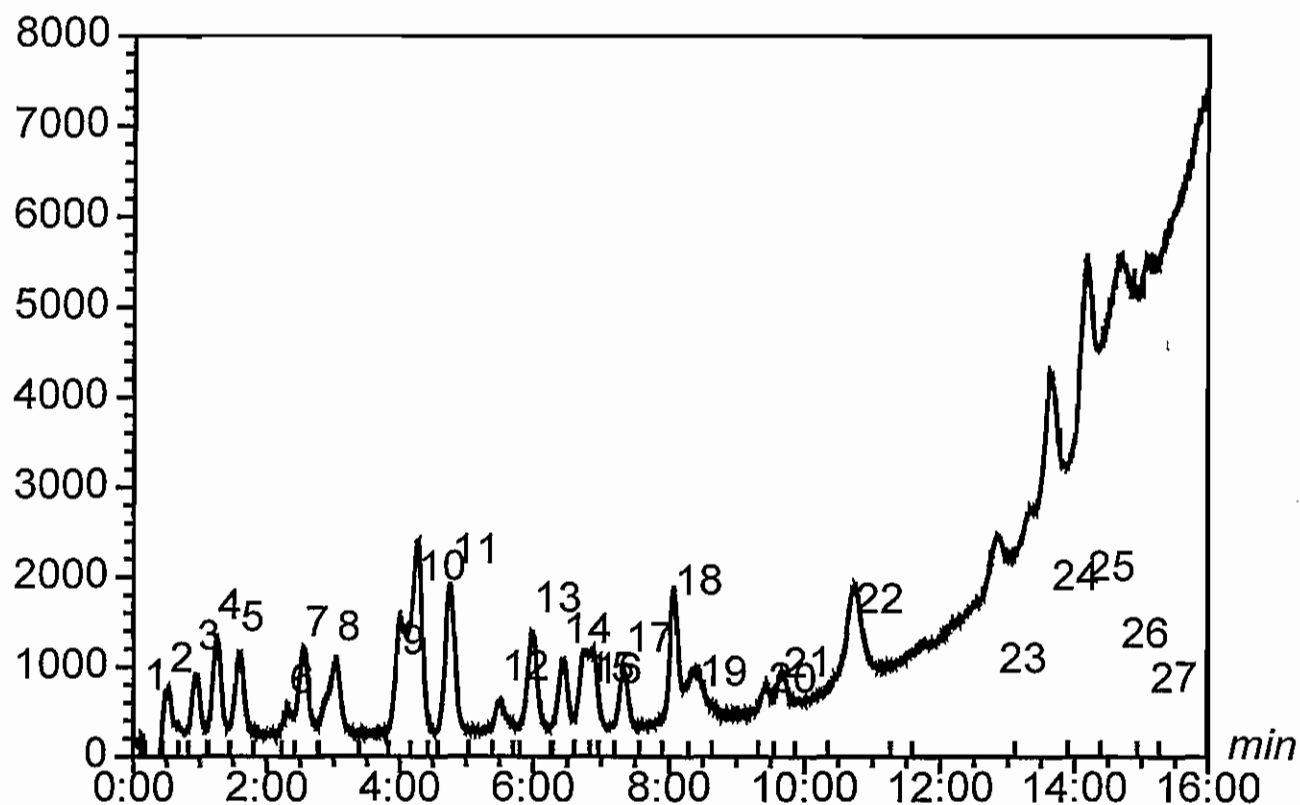
311 STEL=Off

Repeat Cycle=1

'C:\WPEAK\TO142.JOB' Run #257 10/4/99 11:52AM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	0.282	17108	4654495	0:13
2	dichlorodifluoromethane	0.339	18928	5602266	0:17
3	dichlorodifluoromethane	0.746	41693	12325024	0:28
3	chloromethane	0.746	41693	12325024	0:28
4	1,2-dichlorotetrafluoroethane	0.797	69172	18980764	1:10
5	chloroethane	0.641	4655	1146041	1:36
6	trichlorofluoromethane	0.530	891	315270	2:21
7	1,1,2-trichloro-1,2,2-trifluoroethane	1.166	42179	9698448	3:03
8	1,1-dichloroethane	0.266	15221	3002704	3:29
9	chloroform	0.100	224	548383	3:51
10	1,1,1-trichloroethane	3.114	387	2369386	4:27
11	carbon tetrachloride	0.792	5807	1862435	5:48
12	1,1,2-trichloroethane	1.004	559	722730	6:26
13	unknown		40872	15261534	9:42
14	Carrier Gas Impurity	6.514	6477	15321285	11:12
15	unknown		31602	32700728	11:42
16	unknown		16823	20924718	12:11
17	unknown		12997	59318724	14:34
18	Carrier Gas impurity	16.853	27035	39639544	14:58

'C:\WPEAK\TO142.JOB' Run #257 10/4/99 11:52AM



INJ/DET Temp=180

Oven Temp=50

Syringe Inj=On

Cont. Pump=Off

311 Plotter=Off

311 TWA Cycle=1

Comment:

calibration 0.20 ppm TO-14

Analysis time=16:00

Sample Time=0:20

Alarms=Off

311 TWA=Off

Calibration Cycle=0

Inject Time=0:10

Paper Save=Off

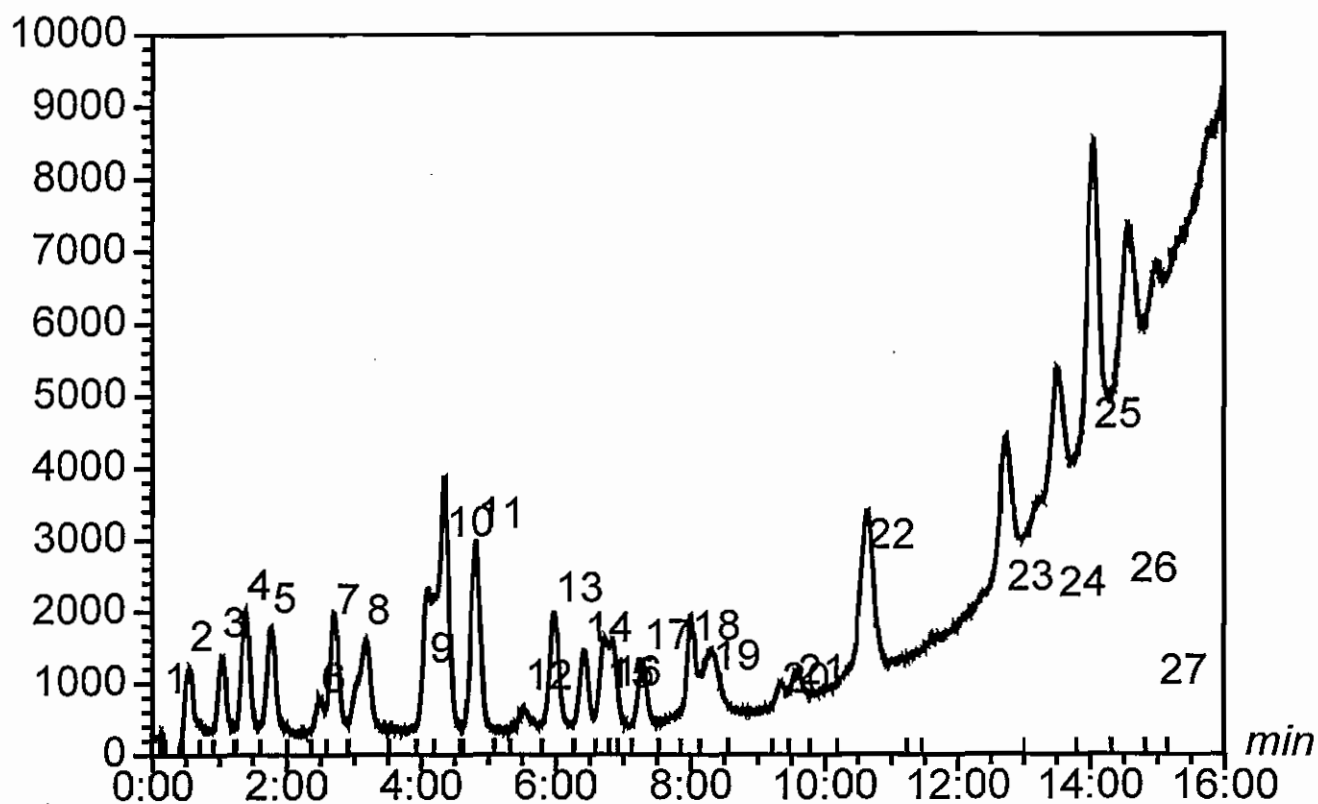
311 STEL=Off

Repeat Cycle=1

'C:\WPEAK\TO142.JOB' Run #257 10/4/99 11:52AM

	Name	Conc	Height	Area	Time
1	unknown		150	0	0:09
2	vinyl chloride	0.612	346	100499	0:33
3	bromomethane	0.692	583	133604	0:57
4	1,1-dichloroethene	0.655	928	212327	1:16
5	methylene chloride	0.663	797	195015	1:36
6	3-chloropropene	0.627	103	57525	2:21
7	cis-1,2-dichloroethene	2.491	745	219375	2:34
8	benzene	0.665	689	261642	3:03
9	cis-1,3-dichloropropene	0.665	538	356479	4:01
9	trans-1,3-dichloropropene	0.944	538	356479	4:01
10	trans-1,3-dichloropropene	1.182	1358	446326	4:17
11	toluene	0.644	1549	380847	4:47
12	unknown		251	107330	5:32
13	1,2-dibromoethane	0.771	1015	286376	6:00
14	chlorobenzene	0.809	662	187088	6:27
15	ethylbenzene	1.054	227	184800	6:47
16	unknown		217	131630	6:54
17	unknown		571	171069	7:21
18	styrene	0.839	1206	369966	8:05
19	unknown		188	252475	8:27
20	4-methyltoluene	0.497	119	135161	9:28
21	1,3,5-trimethylbenzene	0.741	290	217972	9:42
22	unknown		1003	1069683	10:45
23	unknown		341	2543954	12:52
24	Carrier Gas Impurity	7.085	1255	2632119	13:39
25	unknown		1362	2357049	14:12
26	Carrier Gas Impurity	8.315	623	3088998	14:42
27	unknown		125	1912187	15:08

'C:\WPEAK\TO142.JOB' Run #256 10/4/99 11:15AM



INJ/DET Temp=180

Analysis time=16:00

Inject Time=0:10

Oven Temp=50

Sample Time=0:20

Syringe Inj=On

Alarms=Off

Paper Save=Off

Cont. Pump=Off

311 Plotter=Off

311 TWA=Off

311 STEL=Off

311 TWA Cycle=1

Calibration Cycle=0

Repeat Cycle=1

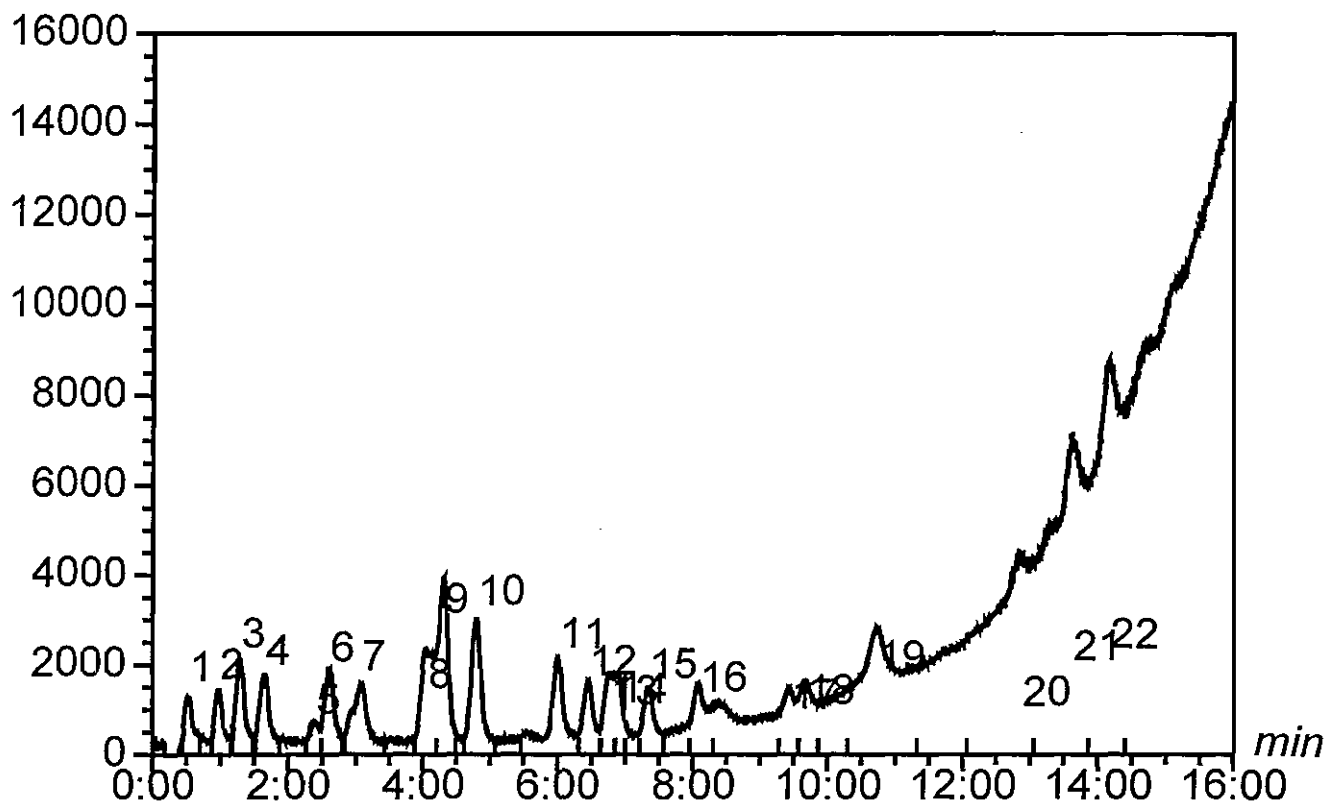
Comment:

calibration 0.30 ppm TO-14

'C:\WPEAK\TO142.JOB' Run #255 10/4/99 10:37AM

	Name	Conc	Height	Area	Time
1	unknown		356	0	0:12
2	vinyl chloride	1.026	1128	184637	0:34
3	bromomethane	0.998	1159	202825	1:05
4	1,1-dichloroethene	1.015	1811	339139	1:27
5	unknown		1479	306539	1:50
6	cis-1,2-dichloroethene	0.281	257	91820	2:34
7	unknown		1493	326720	2:46
8	trichloroethene		1149	387960	3:15
9	trans-1,3-dichloropropene	0.555	726	412408	4:11
10	unknown		2457	856731	4:27
11	unknown		2630	583309	4:54
12	unknown		113	72539	5:39
13	tetrachloroethene	0.379	1537	381104	6:06
14	chlorobenzene	0.863	1001	249290	6:32
14	ethylbenzene	0.878	1001	249290	6:32
15	ethylbenzene	0.874	341	248229	6:51
16	unknown		314	177945	6:57
17	unknown		840	229813	7:24
18	styrene	2.041	1148	777825	8:08
19	4-methyltoluene	0.535	217	181699	9:28
20	1,3,5-trimethylbenzene	0.735	347	294022	9:42
21	unknown		1534	1974488	10:45
22	1,3-dichlorobenzene	1.890	-14	2276329	12:35
23	unknown		554	1553934	12:52
24	Carrier Gas Impurity	1.831	1781	2515880	13:39
25	unknown		2041	3462435	14:11
26	unknown		183	2919435	14:46
27	unknown		139	3318000	15:10

'C:\WPEAK\TO142.JOB' Run #254 10/4/99 9:53AM

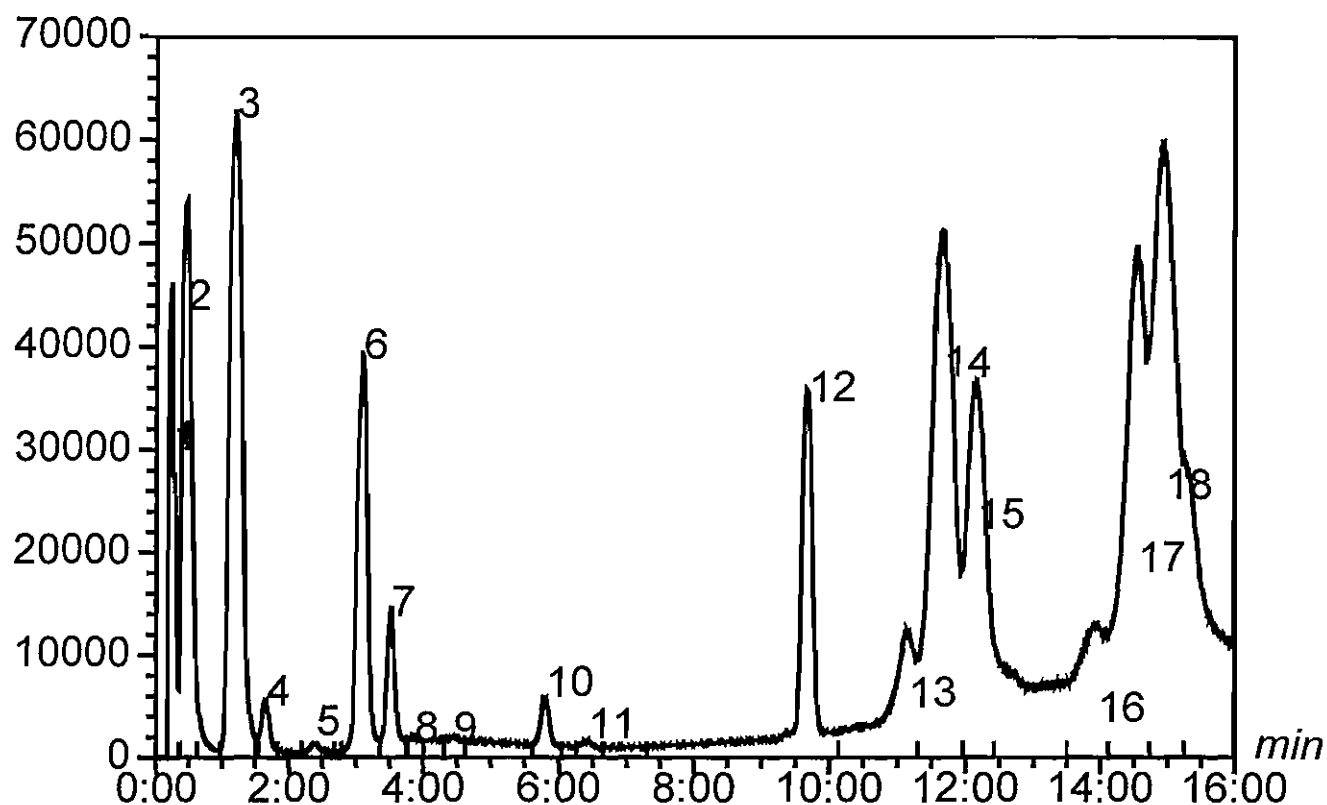


INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
calibration 0.30 ppm TO-14 failed

'C:\WPEAK\TO142.JOB' Run #254 10/4/99 9:53AM

	Name	Conc	Height	Area	Time
1	vinyl chloride	0.382	909	179899	0:33
2	bromomethane	0.383	970	203188	1:00
3	1,1-dichloroethene	0.354	1657	334225	1:18
4	methylene chloride	0.356	1285	301953	1:40
5	3-chloropropene	0.397	186	91731	2:24
5	cis-1,2-dichloroethene	0.096	186	91731	2:24
6	cis-1,2-dichloroethene	0.341	1339	326800	2:37
7	benzene	0.352	1151	393525	3:05
8	cis-1,3-dichloropropene	0.416	750	535678	4:04
8	trans-1,3-dichloropropene	0.180	750	535678	4:04
9	trans-1,3-dichloropropene	0.249	2416	742854	4:19
10	toluene	0.294	2604	591170	4:48
11	unknown		1639	506990	6:01
12	chlorobenzene	0.270	1034	288996	6:28
13	ethylbenzene	0.300	379	283873	6:47
14	unknown		424	231621	6:54
15	unknown		968	283913	7:21
16	styrene	0.569	677	381032	8:06
17	4-methyltoluene	0.276	295	339693	9:27
18	1,3,5-trimethylbenzene		392	400076	9:42
19	unknown		1142	2109692	10:45
20	unknown		355	3566091	12:54
21	Carrier Gas Impurity	3.500	1371	4808351	13:39
22	unknown		1643	4383617	14:11

'C:\WPEAK\TO142.JOB' Run #254 10/4/99 9:53AM



INJ/DET Temp=180

Oven Temp=50

Syringe Inj=On

Cont. Pump=Off

311 Plotter=Off

311 TWA Cycle=1

Comment:

calibration 0.30 ppm TO-14 failed

Analysis time=16:00

Sample Time=0:20

Alarms=Off

311 TWA=Off

Calibration Cycle=0

Inject Time=0:10

Paper Save=Off

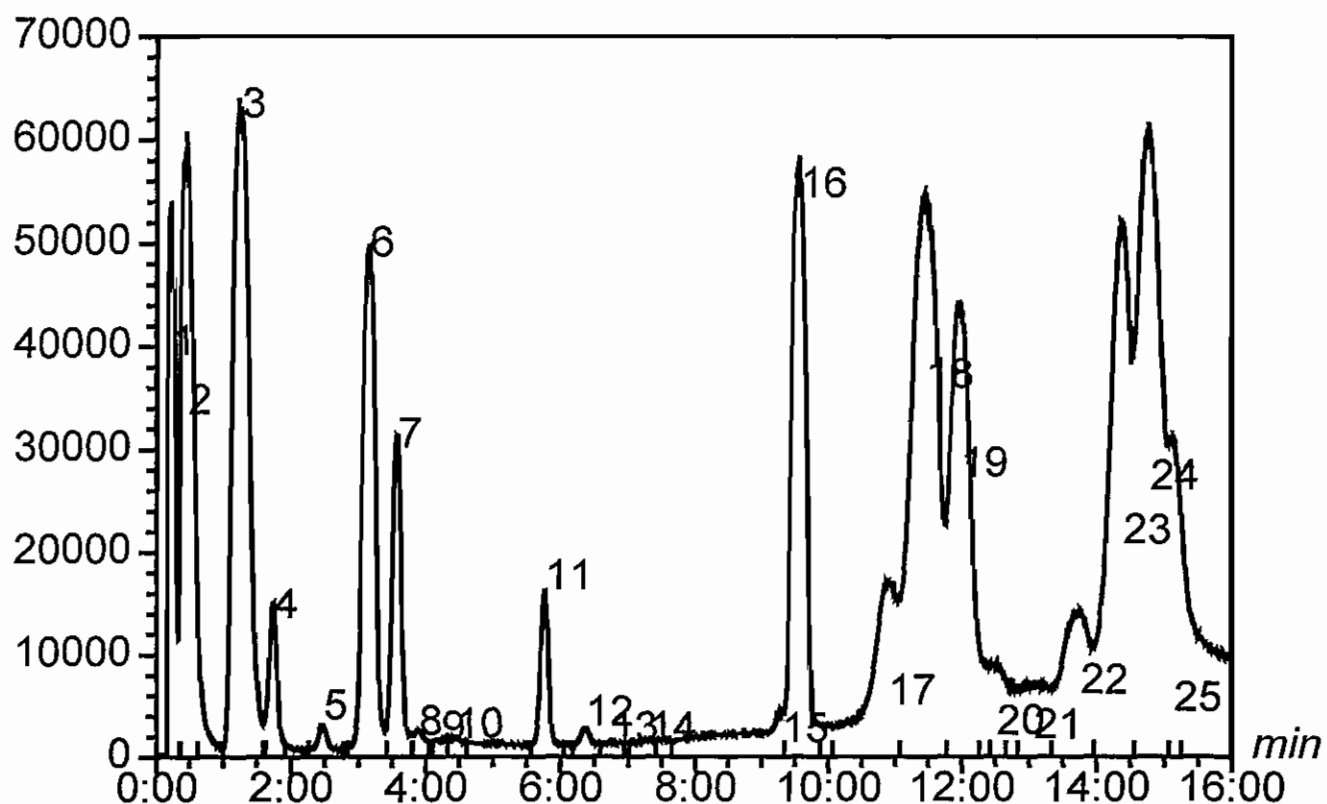
311 STEL=Off

Repeat Cycle=1

'C:\WPEAK\TO142.JOB' Run #254 10/4/99 9:53AM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	0.369	28609	5239211	0:15
2	dichlorodifluoromethane	0.747	42255	10609449	0:28
2	chloromethane	0.747	42255	10609449	0:28
3	1,2-dichlorotetrafluoroethane	0.778	60813	16650068	1:12
4	chloroethane	0.389	3846	983678	1:40
5	trichlorofluoromethane	0.526	868	378636	2:24
6	1,1,2-trichloro-1,2,2-trifluoroethane	0.643	37479	8316977	3:06
7	1,1-dichloroethane	0.440	12436	2663104	3:32
8	chloroform	0.856	250	467660	3:52
9	1,1,1-trichloroethane	1.198	178	601032	4:27
10	carbon tetrachloride	0.441	4650	1295283	5:48
11	1,1,2-trichloroethane	1.109	546	509969	6:26
12	unknown		33391	12153928	9:42
13	Carrier Gas Impurity	2.273	3593	6673990	11:10
13	Carrier Gas Impurity	2.273	3593	6673990	11:10
14	unknown		35733	24057090	11:41
15	Carrier Gas Impurity	4.828	21007	14177678	12:10
16	unknown		2139	7352120	13:57
17	unknown		16806	21940641	14:33
18	Carrier Gas impurity	9.512	23876	27935622	14:57

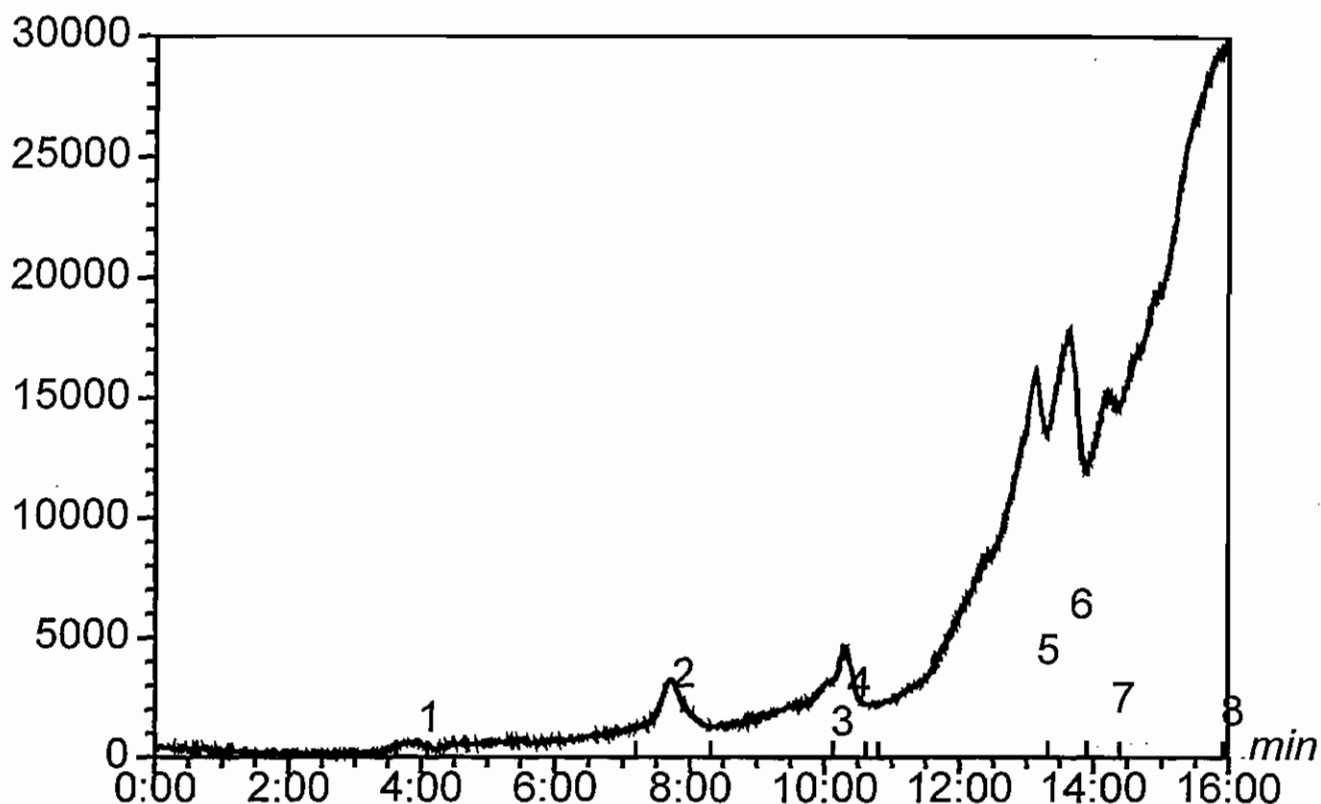
'C:\WPEAK\TO142.JOB' Run #253 10/4/99 9:10AM



INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
calibration 1.0ppm TO-14

'C:\WPEAK\TO142.JOB' Run #253 10/4/99 9:10AM

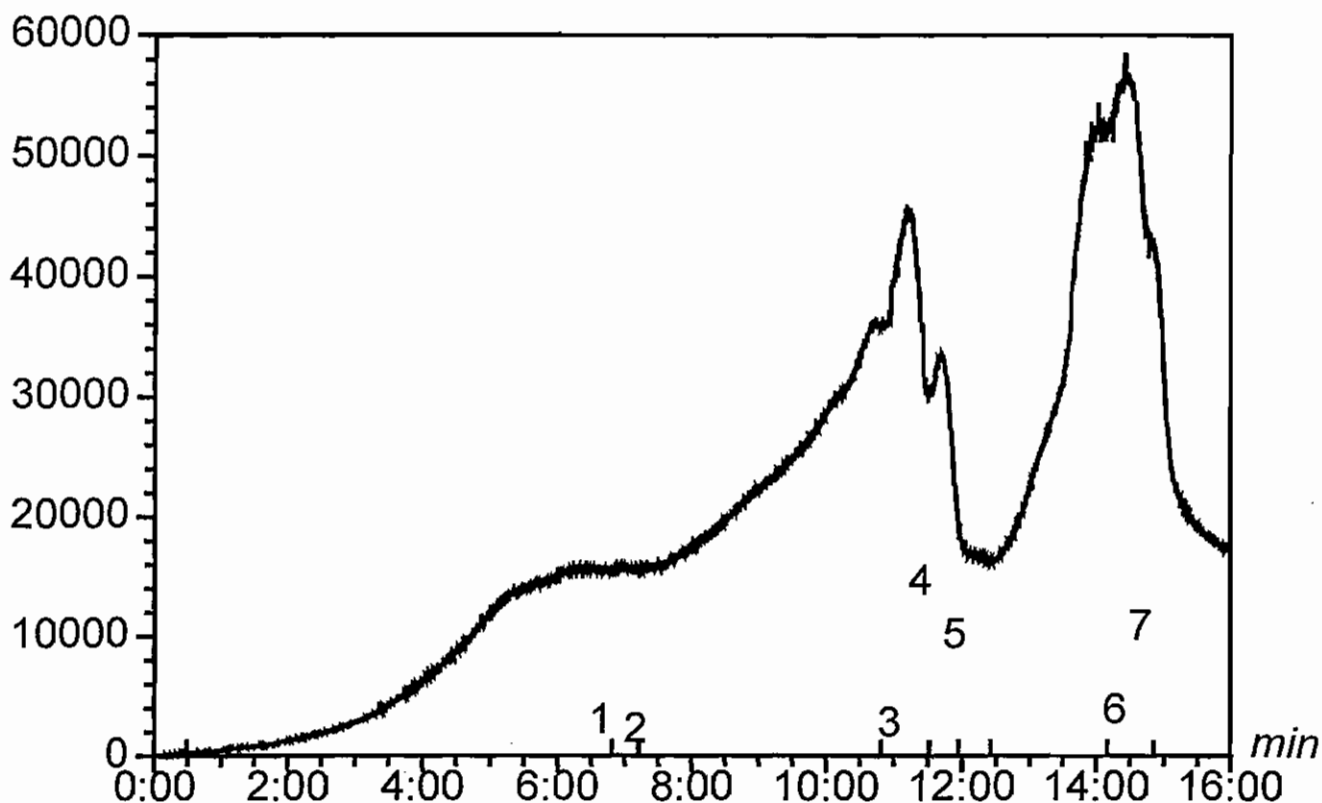
	Name	Conc	Height	Area	Time
1	vinyl chloride	3.277	2429	471475	0:33
2	bromomethane	1.915	2988	530687	1:01
3	1,1-dichloroethene	3.678	4892	943365	1:22
4	methylene chloride	3.304	4238	847483	1:45
5	3-chloropropene	0.860	724	231240	2:28
5	cis-1,2-dichloroethene	0.285	724	231240	2:28
6	cis-1,2-dichloroethene	1.179	4489	957577	2:41
7	benzene	1.168	3835	1116991	3:09
8	cis-1,3-dichloropropene	1.719	1818	1288781	4:05
8	trans-1,3-dichloropropene	0.500	1818	1288781	4:05
9	trans-1,3-dichloropropene	1.156	9270	2979494	4:20
10	toluene	1.210	9843	2007666	4:48
11	unknown		-26	31699	5:39
12	1,2-dibromoethane	1.225	6714	1373901	5:58
13	tetrachloroethene	2.068	4552	1006032	6:24
14	chlorobenzene	1.997	1514	1071368	6:43
14	ethylbenzene	5.500	1514	1071368	6:43
15	ethylbenzene	4.859	2105	946413	6:50
16	m-xylene	3.512	4501	988729	7:16
17	p-xylene	1.350	515	378075	7:59
18	unknown		229	724591	8:25
19	o-xylene	2.278	1815	1051902	9:19
19	4-methyltoluene	6.336	1815	1051902	9:19
20	4-methyltoluene	7.414	2803	1230890	9:33
21	1,2,4-trimethylbenzene	1.388	502	2889370	10:40
22	unknown		213	11861900	13:10
23	Carrier Gas Impurity	4.740	3301	5315799	13:28
24	unknown		1224	6297867	14:02



INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
 Oven Temp=50 Sample Time=0:20
 Syringe Inj=On Alarms=Off Paper Save=Off
 Cont. Pump=Off
 311 Plotter=Off 311 TWA=Off 311 STEL=Off
 311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
 Comment:
 carrier gas ☐ warm-up

	Name	Conc	Height	Area	Time
1	cis-1,3-dichloropropene	0.086	148	64223	3:57
2	p-xylene	6.984	1985	1956473	7:44
3	unknown		-26	2979620	10:05
4	unknown		1618	1680312	10:20
5	unknown		2974	18696126	13:09
6	Carrier Gas Impurity	8.795	4858	9863543	13:39
7	unknown		988	7453131	14:16
8	1,4-dichlorobenzene		417	37162508	15:53

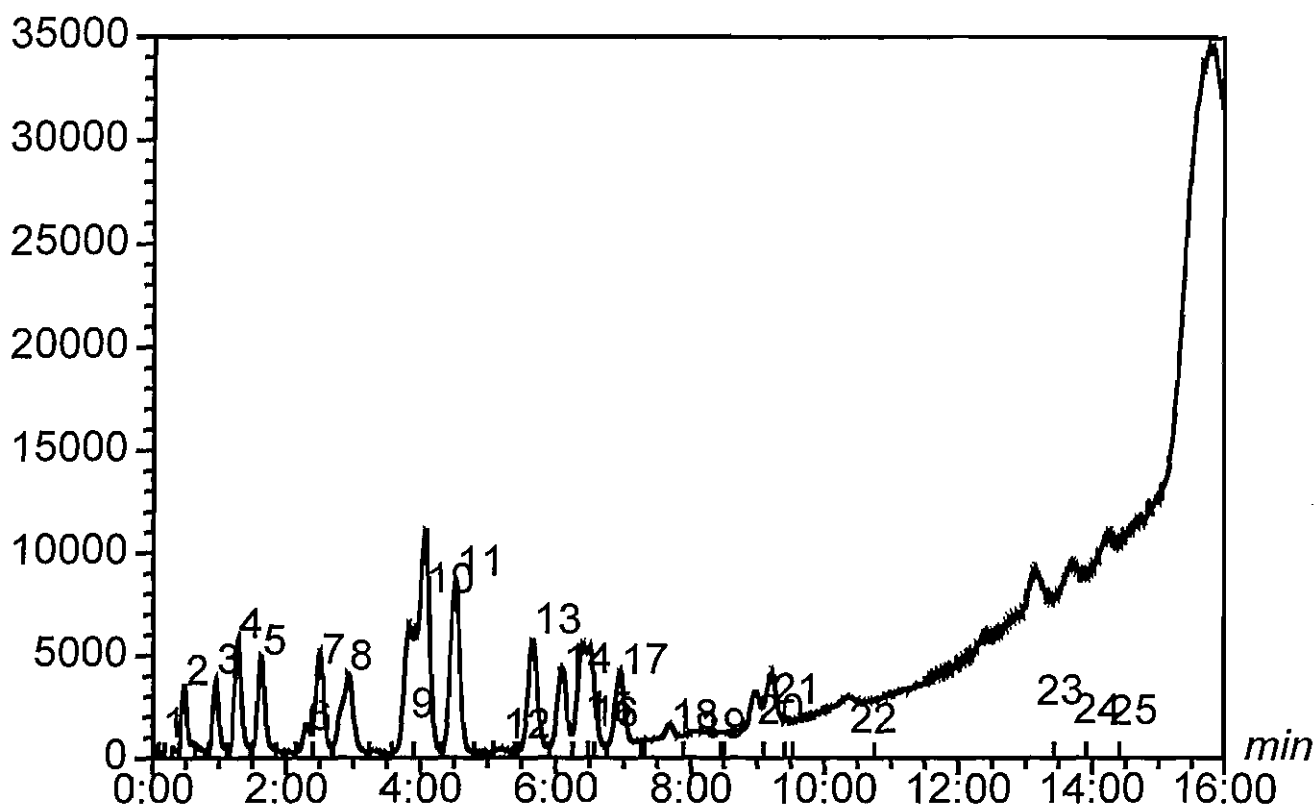
'C:\WPEAK\TO142.JOB' Run #252 10/4/99 8:05AM



INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
carrier gas ☐ warm-up

	Name	Conc	Height	Area	Time
1	1,1,2-trichloroethane	85.948	895	46413983	6:27
2	unknown		118	6987535	6:59
3	unknown		591	93031752	10:45
4	Carrier Gas Impurity	8.012	12514	31627656	11:13
5	unknown		8021	14402970	11:43
6	unknown		1712	60250978	14:06
7	unknown		8739	40384193	14:28

'C:\WPEAK\TO142.JOB' Run #250 10/1/99 8:49AM

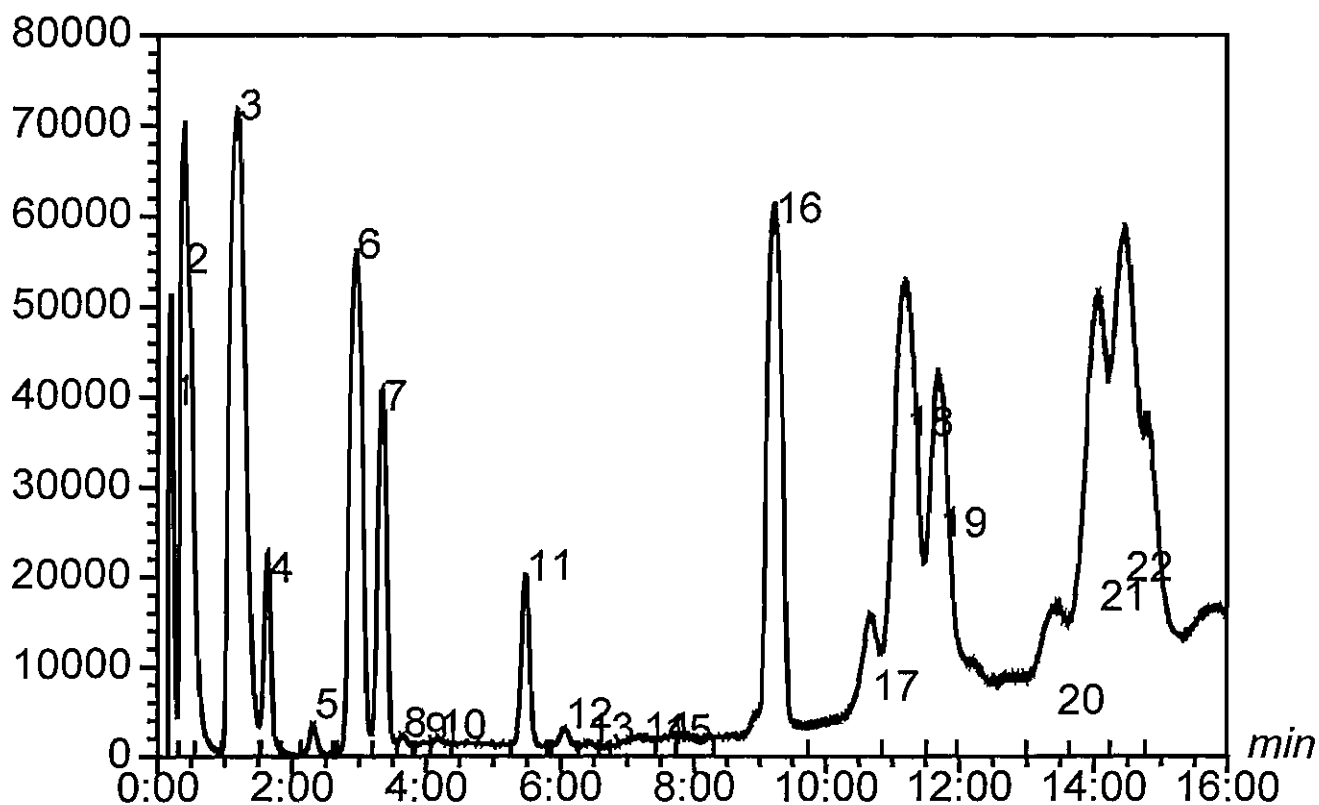


INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
calibration 1.0 ppm TO-14

'C:\WPEAK\TO142.JOB' Run #250 10/1/99 8:49AM

	Name	Conc	Height	Area	Time
1	unknown		198	0	0:09
2	vinyl chloride	3.376	2742	406463	0:30
3	bromomethane	2.961	3312	460183	0:57
4	1,1-dichloroethene	2.858	5044	811927	1:18
5	methylene chloride	2.908	4236	740559	1:39
6	3-chloropropene	4.260	547	214960	2:19
7	cis-1,2-dichloroethene	3.078	3792	812315	2:31
8	benzene	3.292	3489	956547	2:56
9	cis-1,3-dichloropropene	3.503	1154	979239	3:51
10	cis-1,3-dichloropropene	9.218	7222	2576907	4:05
10	trans-1,3-dichloropropene	3.238	7222	2576907	4:05
11	toluene	3.453	8047	1659626	4:32
12	unknown		121	57717	5:13
13	1,2-dibromoethane	3.834	5247	1121520	5:40
14	tetrachloroethene	3.540	3318	826261	6:06
15	tetrachloroethene	4.047	965	944415	6:25
15	chlorobenzene	4.848	965	944415	6:25
16	chlorobenzene	2.754	710	536515	6:30
17	unknown		3301	944413	6:57
18	unknown		568	585759	7:42
19	styrene		127	669225	8:07
20	unknown		854	1126566	9:00
21	o-xylene	5.745	1847	1035595	9:14
22	1,2,4-trimethylbenzene	5.851	420	3112093	10:23
23	unknown		1767	15061152	13:10
24	unknown		865	4721625	13:44
25	unknown		817	5543370	14:16

'C:\WPEAK\TO142.JOB' Run #250 10/1/99 8:49AM



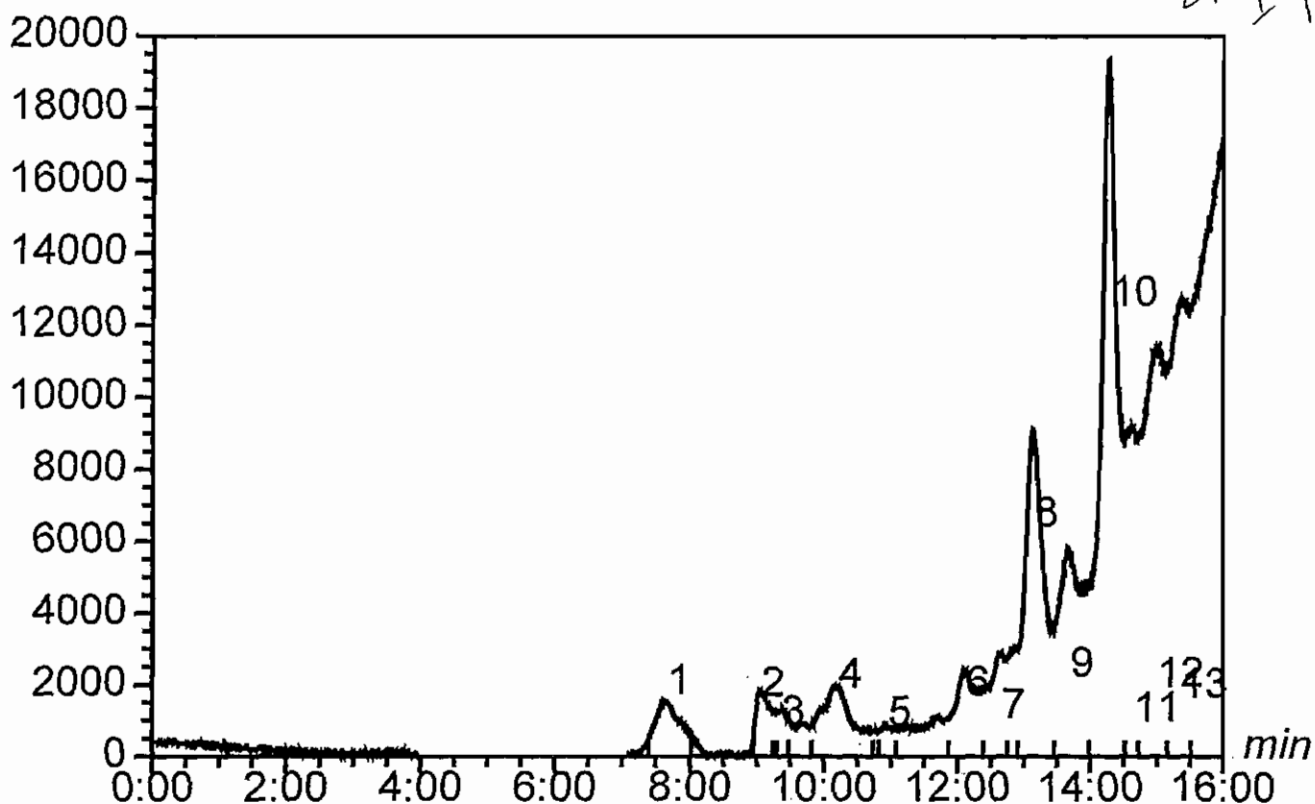
INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
calibration 1.0 ppm TO-14

'C:\WPEAK\TO142.JOB' Run #250 10/1/99 8:49AM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	1.504	37829	5167710	0:12
2	dichlorodifluoromethane	4.264	52411	14654130	0:24
2	chloromethane	1.589	52411	14654130	0:24
3	1,2-dichlorotetrafluoroethane	1.463	69361	23288442	1:12
4	chloroethane	4.609	18203	3303548	1:39
5	trichlorofluoromethane	8.762	2984	635202	2:20
6	1,1,2-trichloro-1,2,2-trifluoroethane	2.082	54000	14623083	2:57
7	1,1-dichloroethane	3.489	37185	7647945	3:21
8	chloroform	1.797	868	514298	3:39
9	1,2-dichloroethane	0.365	187	378976	3:58
10	1,2-dichloroethane	0.594	541	616837	4:12
10	1,1,1-trichloroethane	1.305	541	616837	4:12
11	carbon tetrachloride	2.848	18316	3947516	5:30
12	unknown		1838	877001	6:04
13	1,2-dichloropropane	1.139	171	476517	6:24
14	1,1,2,2-tetrachloroethane	1.952	225	1360192	7:15
15	unknown		-9	734192	7:33
16	unknown		57959	22907084	9:15
17	unknown		4934	8713020	10:42
18	Carrier Gas Impurity	19.235	34302	26656806	11:13
19	unknown		23094	16778780	11:42
20	unknown		3392	9742470	13:27
21	unknown		14998	24032940	14:05
22	unknown		18181	29492378	14:28

'C:\WPEAK\TO142.JOB' Run #249 10/1/99 8:06AM

Sept's
cleaned
Inj Port

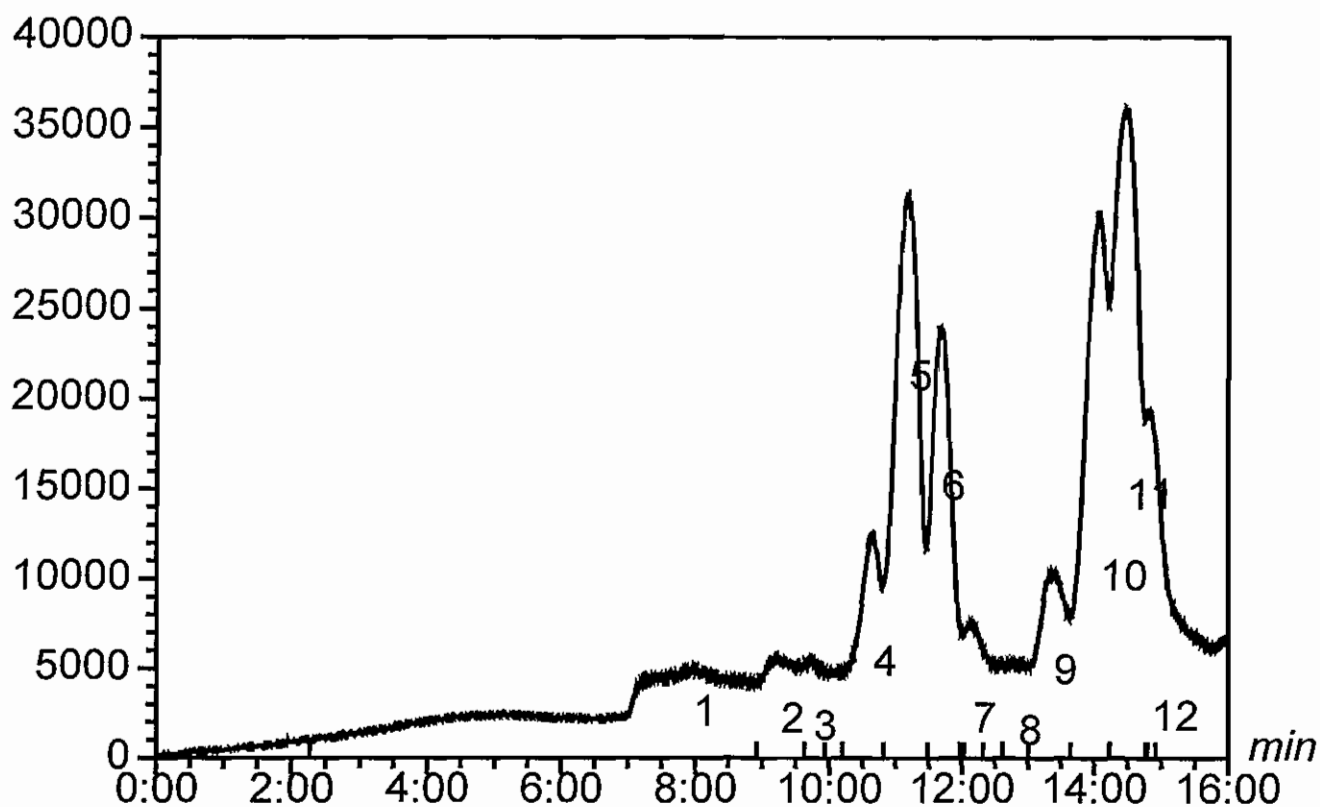


INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
carrier gas run ☐ warm-up

'C:\WPEAK\TO142.JOB' Run #249 10/1/99 8:06AM

	Name	Conc	Height	Area	Time
1	unknown		987	478190	7:40
2	o-xylene	1.971	923	355241	9:04
3	o-xylene	0.974	117	175586	9:22
3	4-methyltoluene	1.058	117	175586	9:22
4	unknown		1166	858923	10:13
5	unknown		110	109299	10:57
6	unknown		944	838731	12:08
7	1,3-dichlorobenzene	0.663	322	798972	12:40
8	unknown		5661	3322961	13:09
9	Carrier Gas Impurity	8.938	1485	2614464	13:42
10	unknown		11782	6544821	14:18
11	Carrier Gas Impurity	6.594	237	1928847	14:39
12	unknown		1199	4905670	15:00
13	unknown		895	4581836	15:21

'C:\WPEAK\TO142.JOB' Run #249 10/1/99 8:06AM



INJ/DET Temp=180

Analysis time=16:00

Inject Time=0:10

Oven Temp=50

Sample Time=0:20

Syringe Inj=On

Alarms=Off

Paper Save=Off

Cont. Pump=Off

311 Plotter=Off

311 TWA=Off

311 STEL=Off

311 TWA Cycle=1

Calibration Cycle=0

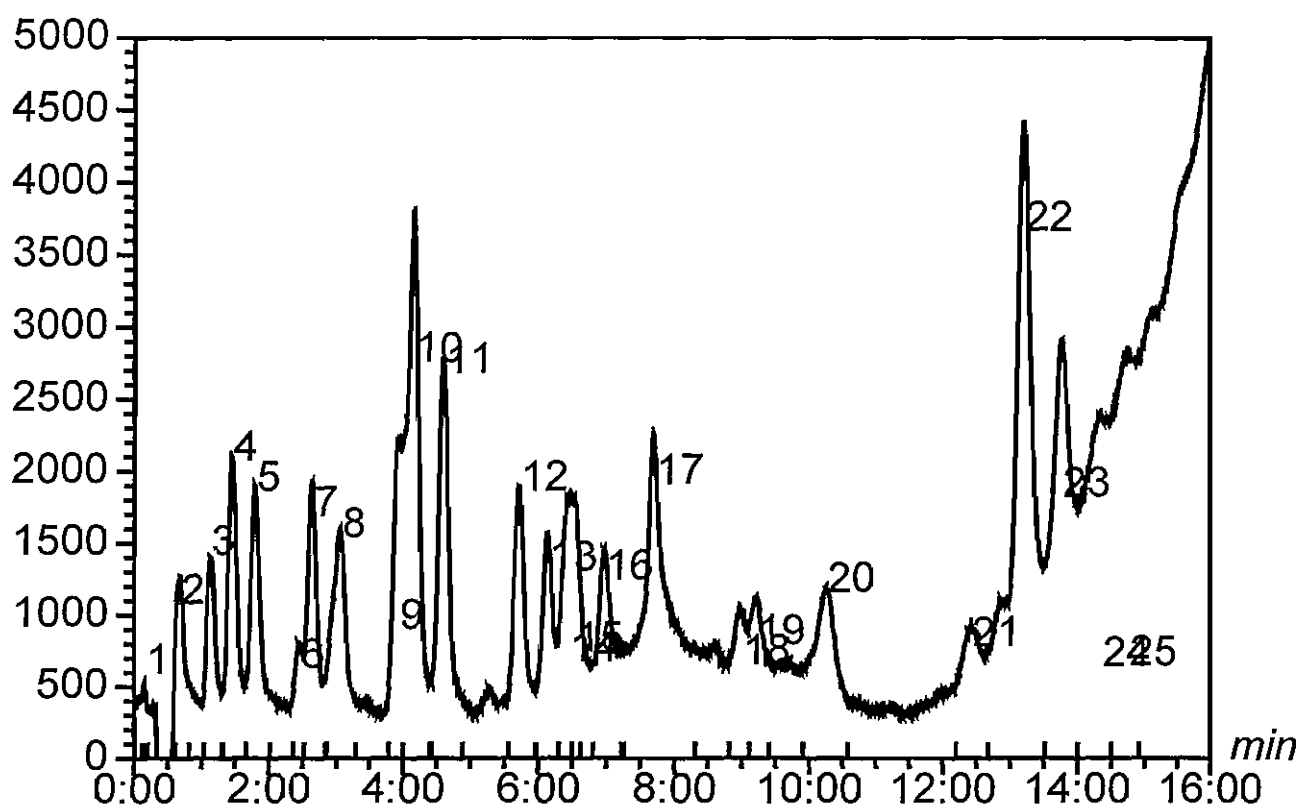
Repeat Cycle=1

Comment:

carrier gas run ☐ warm-up

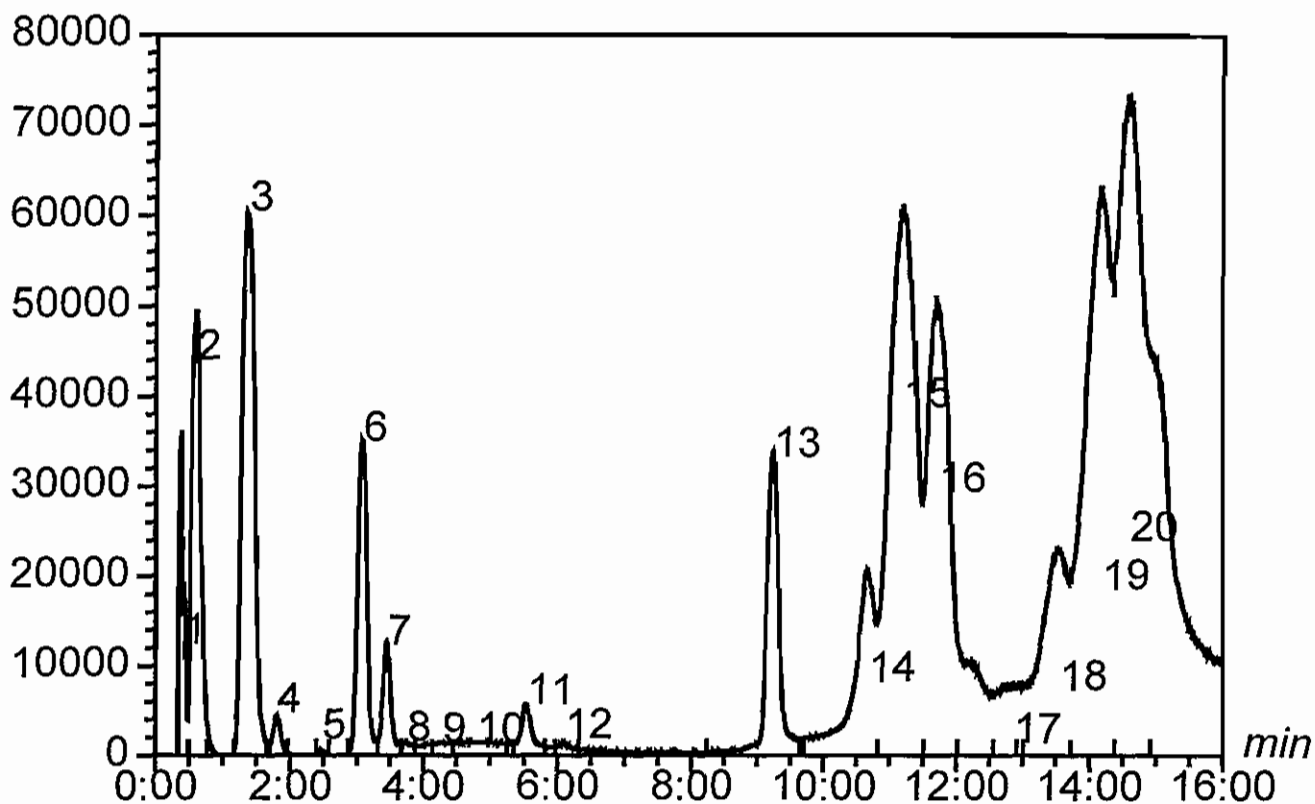
'C:\WPEAK\TO142.JOB' Run #249 10/1/99 8:06AM

	Name	Conc	Height	Area	Time
1	unknown		1170	19024723	7:58
2	unknown		763	4002939	9:16
3	unknown		365	1847335	9:45
4	unknown		3982	5977940	10:39
5	Carrier Gas Impurity	11.709	19808	16227300	11:12
6	unknown		13717	9770628	11:42
7	Carrier Gas Impurity	1.702	816	2358891	12:09
8	unknown		102	2225187	12:51
9	unknown		3468	5909847	13:23
10	unknown		8722	13903879	14:05
11	unknown		13231	18418686	14:28
12	Carrier Gas impurity	2.073	904	2872730	14:51



INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
midpoint calibration □□0.30 ppm TO-14□□

'C:\WPEAK\TO142.JOB' Run #248 9/30/99 4:38PM



INJ/DET Temp=180

Oven Temp=50

Syringe Inj=On

Cont. Pump=Off

311 Plotter=Off

311 TWA Cycle=1

Comment:

midpoint calibration 0.30 ppm TO-14

Analysis time=16:00

Sample Time=0:20

Alarms=Off

311 TWA=Off

Calibration Cycle=0

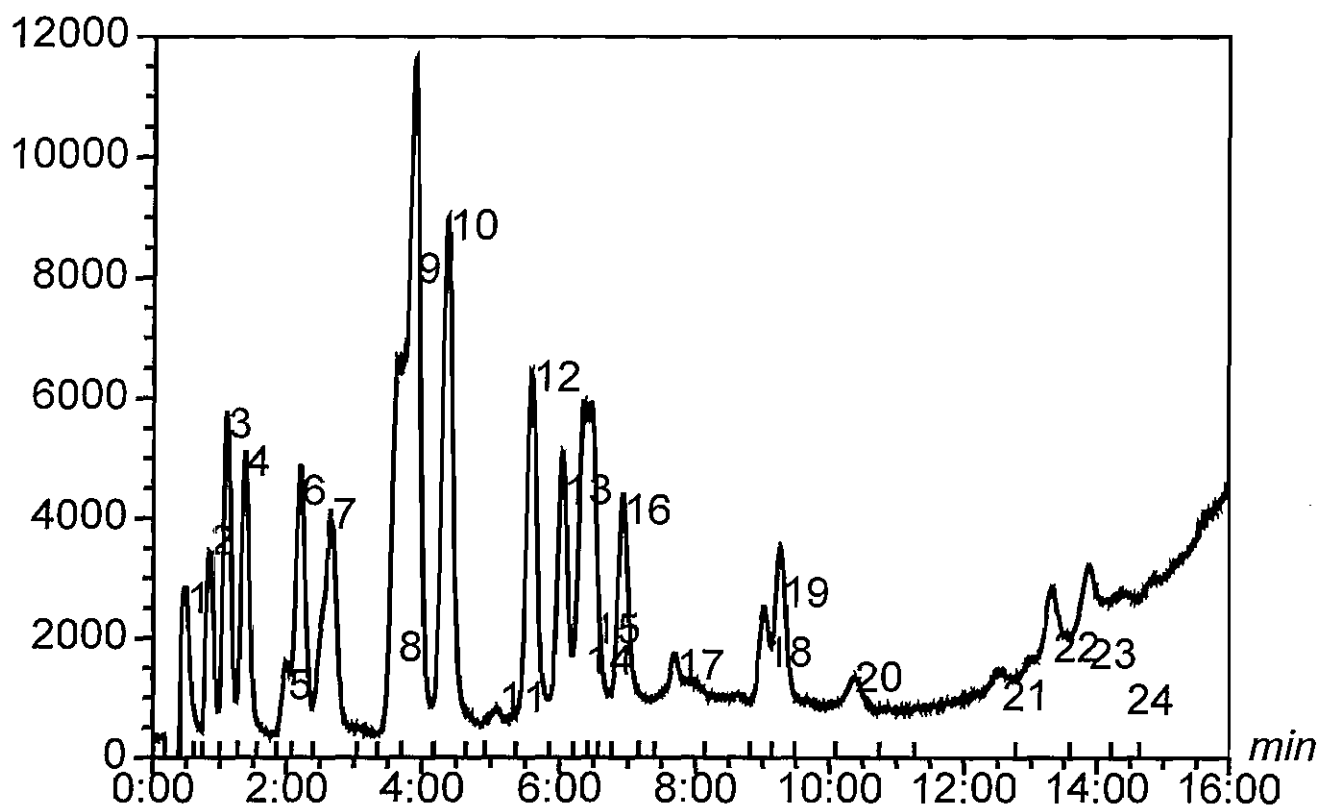
Inject Time=0:10

Paper Save=Off

311 STEL=Off

Repeat Cycle=1

'C:\WPEAK\TO142.JOB' Run #247 9/30/99 3:50PM

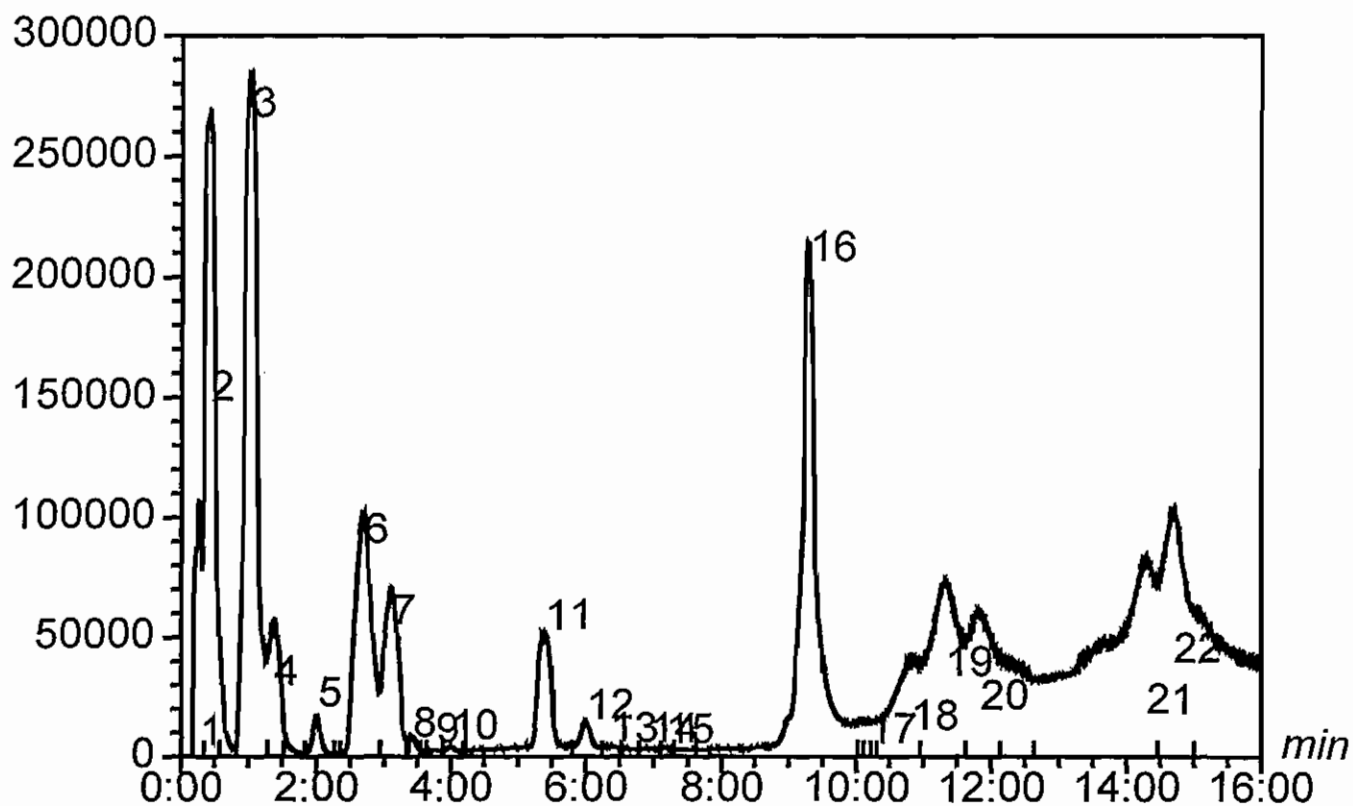


INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
midpoint calibration ☐ 1.0 ppm TO-14 ☐ failed

'C:\WPEAK\TO142.JOB' Run #247 9/30/99 3:50PM

	Name	Conc	Height	Area	Time
1	vinyl chloride	9.025	1781	406822	0:30
2	bromomethane	5.506	2753	488700	0:51
3	bromomethane	10.003	4696	887838	1:06
4	1,1-dichloroethene	4.777	4069	814029	1:23
5	unknown		334	200754	2:01
6	3-chloropropene	4.578	3584	914441	2:13
7	cis-1,2-dichloroethene	5.442	3184	1086898	2:40
8	unknown		969	1080992	3:39
9	cis-1,3-dichloropropene	4.194	7275	2999174	3:54
10	unknown		7987	1946030	4:22
11	unknown		123	182466	5:06
12	unknown		5479	1398643	5:36
13	unknown		3592	1037820	6:03
14	tetrachloroethene	7.795	752	934713	6:22
15	chlorobenzene	3.290	1268	888891	6:28
16	unknown		3261	979400	6:56
17	unknown		666	798648	7:43
18	unknown		887	523492	9:02
19	o-xylene	7.567	1882	818287	9:17
20	1,2,4-trimethylbenzene	0.636	471	531897	10:23
21	1,3-dichlorobenzene	16.006	165	1204455	12:34
22	unknown		970	1528218	13:21
23	unknown		859	1640465	13:54
24	Carrier Gas Impurity	6.127	100	1131786	14:27

'C:\WPEAK\TO142.JOB' Run #247 9/30/99 3:51PM



INJ/DET Temp=180

Oven Temp=50

Syringe Inj=On

Cont. Pump=Off

311 Plotter=Off

311 TWA Cycle=1

Comment:

midpoint calibration ☐ 1.0 ppm TO-14 ☐ failed

Analysis time=16:00

Sample Time=0:20

Alarms=Off

311 TWA=Off

Calibration Cycle=0

Inject Time=0:10

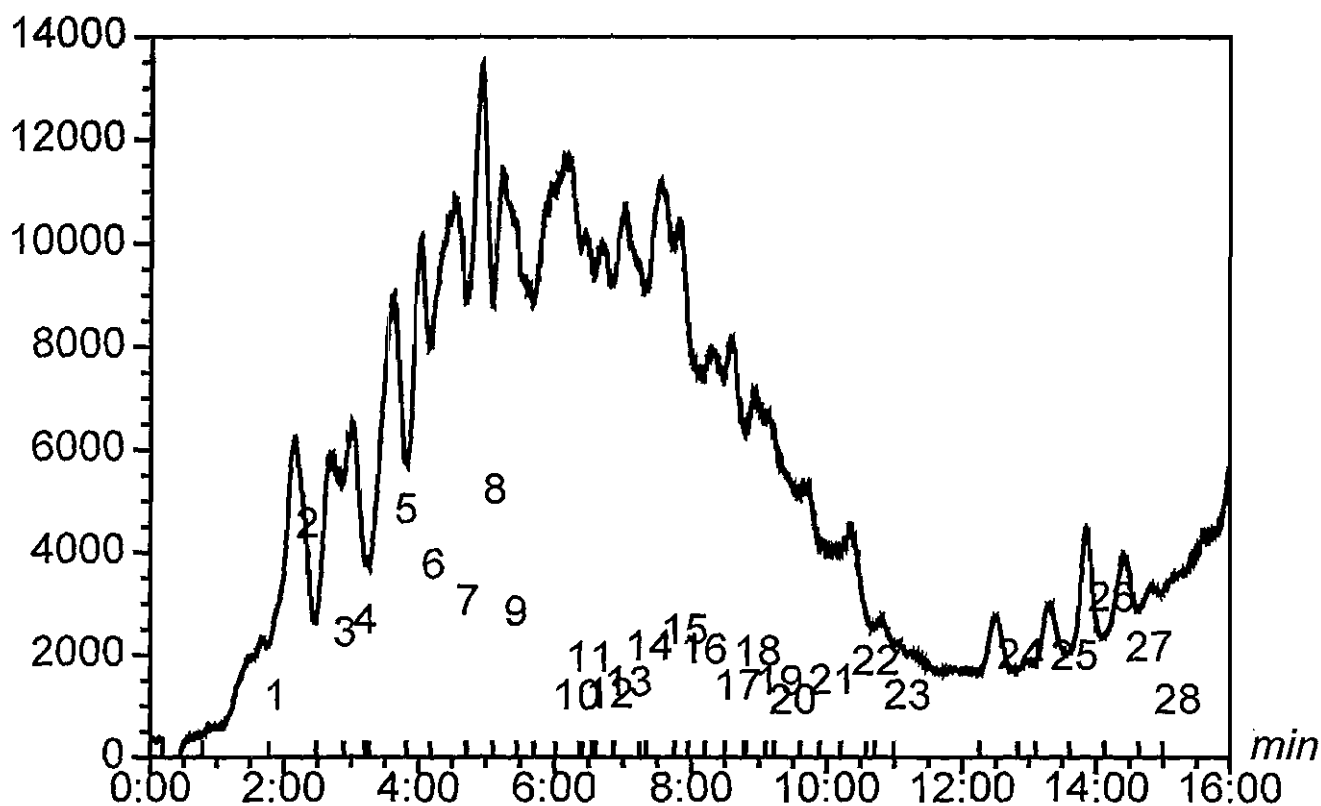
Paper Save=Off

311 STEL=Off

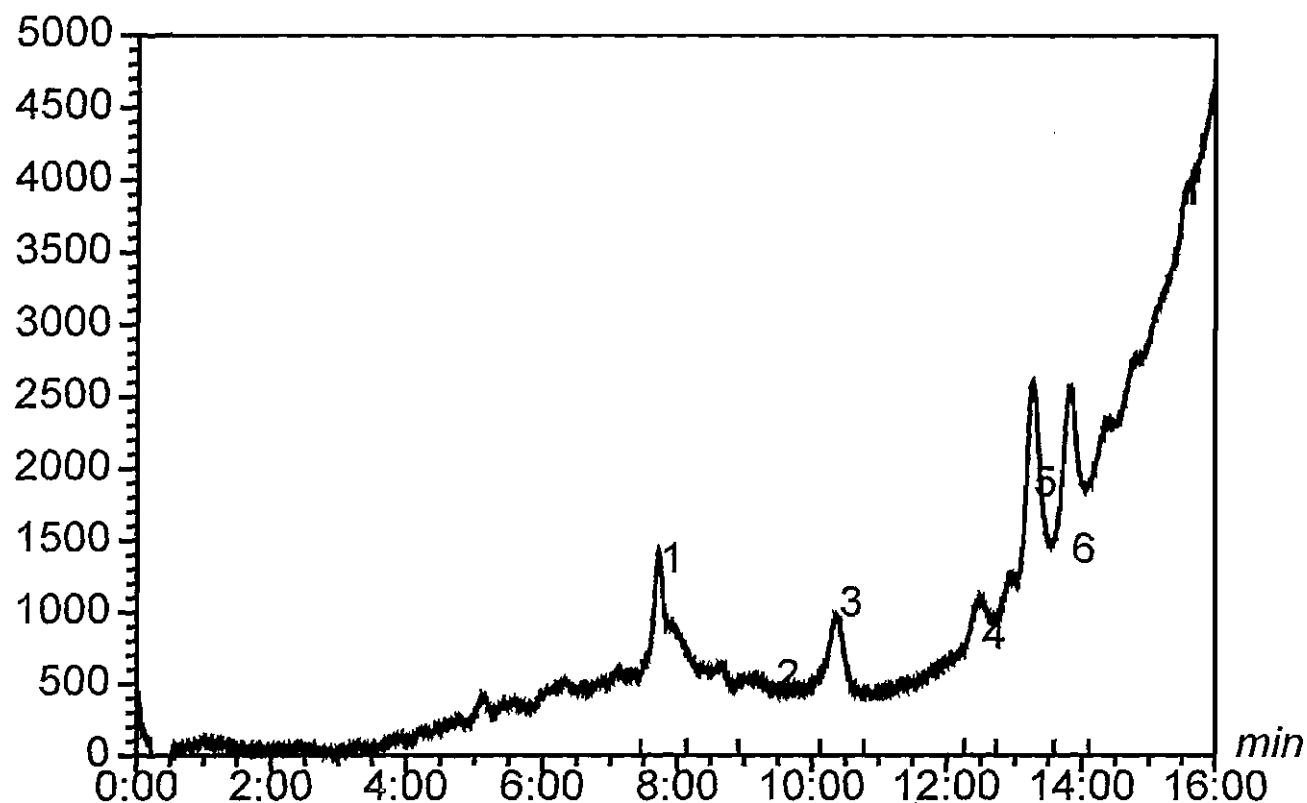
Repeat Cycle=1

'C:\WPEAK\TO142.JOB' Run #247 9/30/99 3:51PM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	1.473	-20552	14586310	0:17
2	dichlorodifluoromethane	5.588	143081	55339970	0:26
2	chloromethane	5.588	143081	55339970	0:26
3	unknown		260919	73384926	1:02
4	1,2-dichlorotetrafluoroethane	0.526	24616	12631741	1:23
5	unknown		15373	2966679	2:01
6	unknown		83771	33535384	2:42
7	1,1,2-trichloro-1,2,2-trifluoroethane				
		1.653	50101	21009186	3:06
8	1,1-dichloroethane	0.274	2687	1321096	3:26
9	chloroform	1.016	463	571407	3:46
10	1,2-dichloroethane	1.285	1801	1039067	4:00
11	unknown		47998	18108410	5:24
12	unknown		10348	3754655	6:00
13	1,2-dichloropropane	1.103	701	1257902	6:21
14	unknown		535	1068600	6:57
15	1,1,2,2-tetrachloroethane	1.472	200	696962	7:11
16	unknown		201272	71963008	9:18
17	unknown		154	1838301	10:11
18	unknown		6090	20102981	10:49
19	Carrier Gas Impurity	11.001	28451	42983476	11:19
20	Carrier Gas Impurity	7.925	14474	30962410	11:51
21	unknown		12726	97416562	14:18
22	Carrier Gas impurity	13.192	34164	51541176	14:42

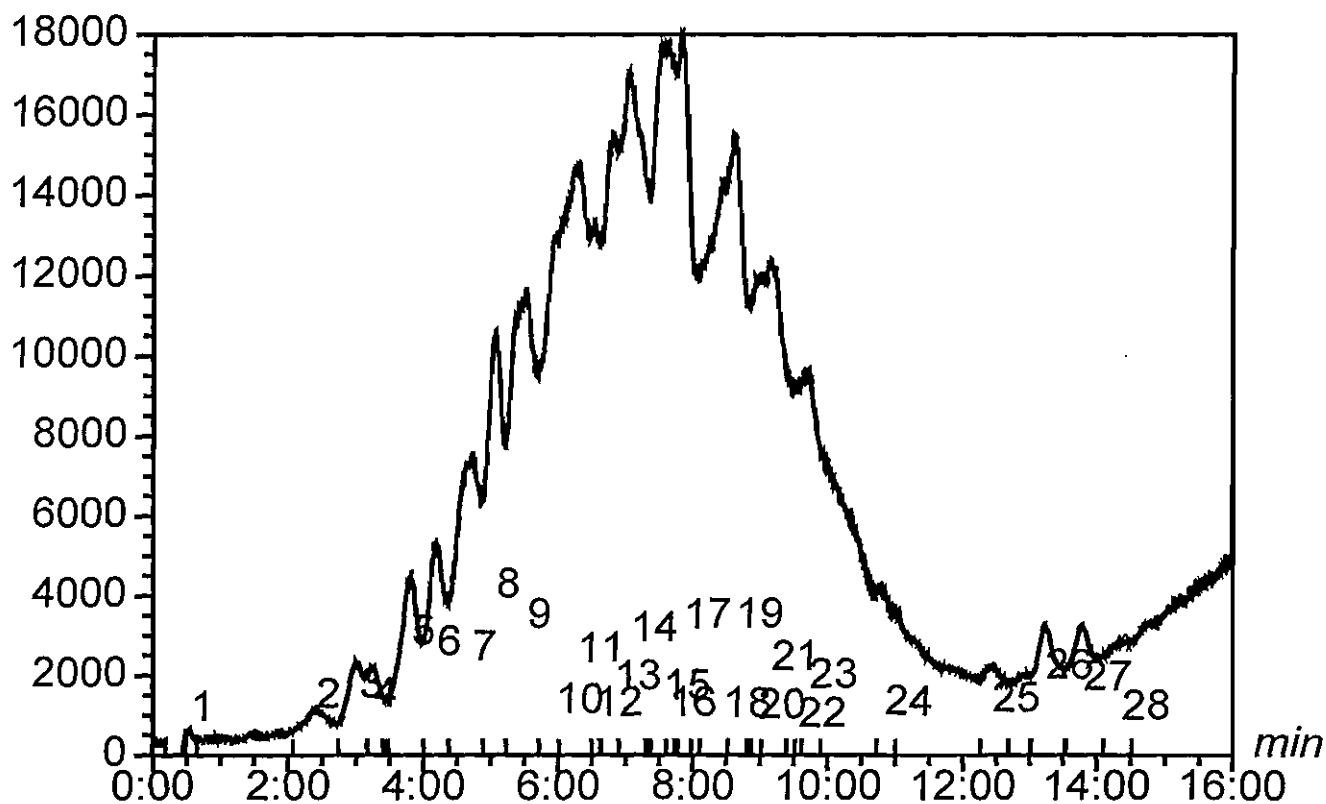


INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
s-alfgw4 8-12 feet



INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
s-alfgw4 8-12 feet 1.0 ml sample in 1000 ml N2

Name	Conc	Height	Area	Time
1 p-xylene	1.587	750	444547	7:45
2 4-methyltoluene	1.121	-60	186188	9:28
3 1,2,4-trimethylbenzene	0.279	448	233198	10:24
4 1,3-dichlorobenzene	4.378	222	329484	12:31
5 unknown		1284	1195714	13:16
6 unknown		820	1004265	13:51



INJ/DET Temp=180

Oven Temp=50

Syringe Inj=On

Cont. Pump=Off

311 Plotter=Off

311 TWA Cycle=1

Comment:

s-alfgw4 4-8 feet

Analysis time=16:00

Sample Time=0:20

Alarms=Off

311 TWA=Off

Calibration Cycle=0

Inject Time=0:10

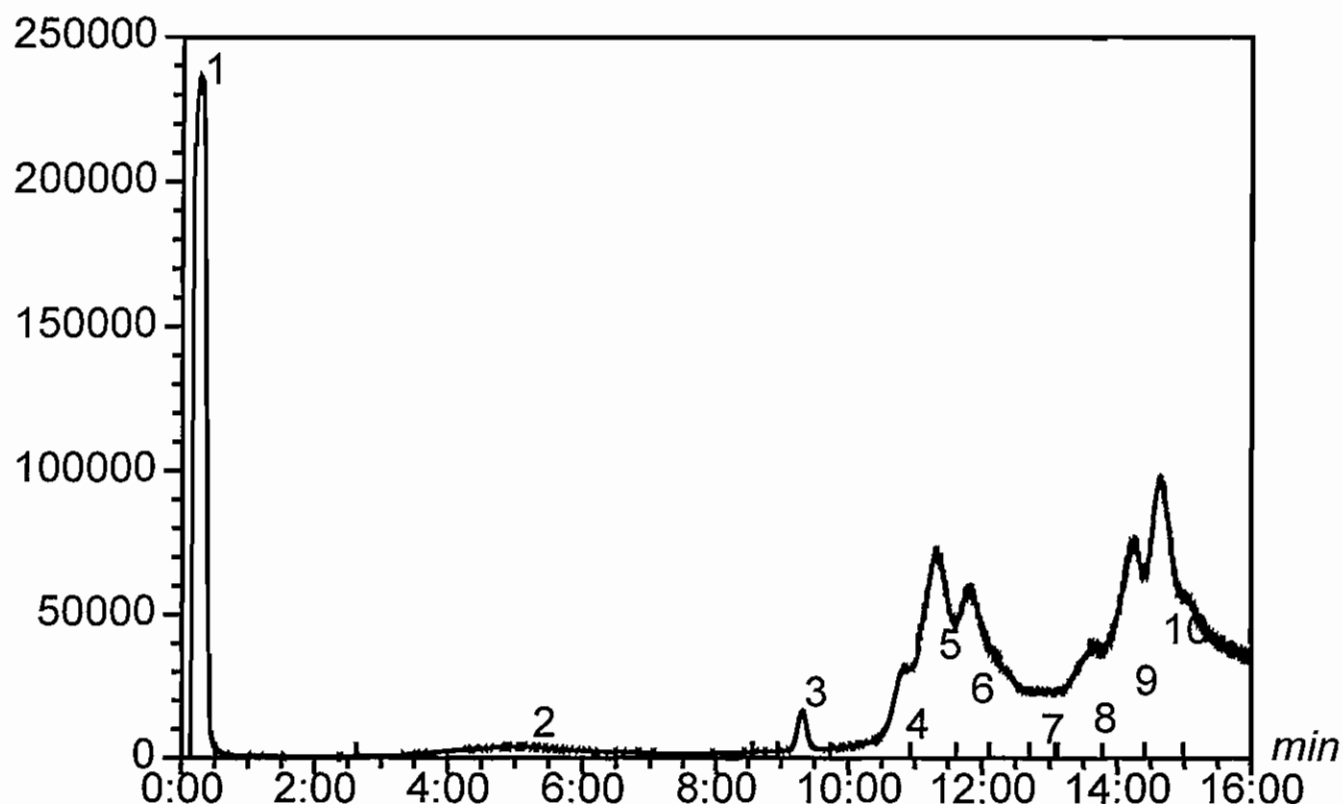
Paper Save=Off

311 STEL=Off

Repeat Cycle=1

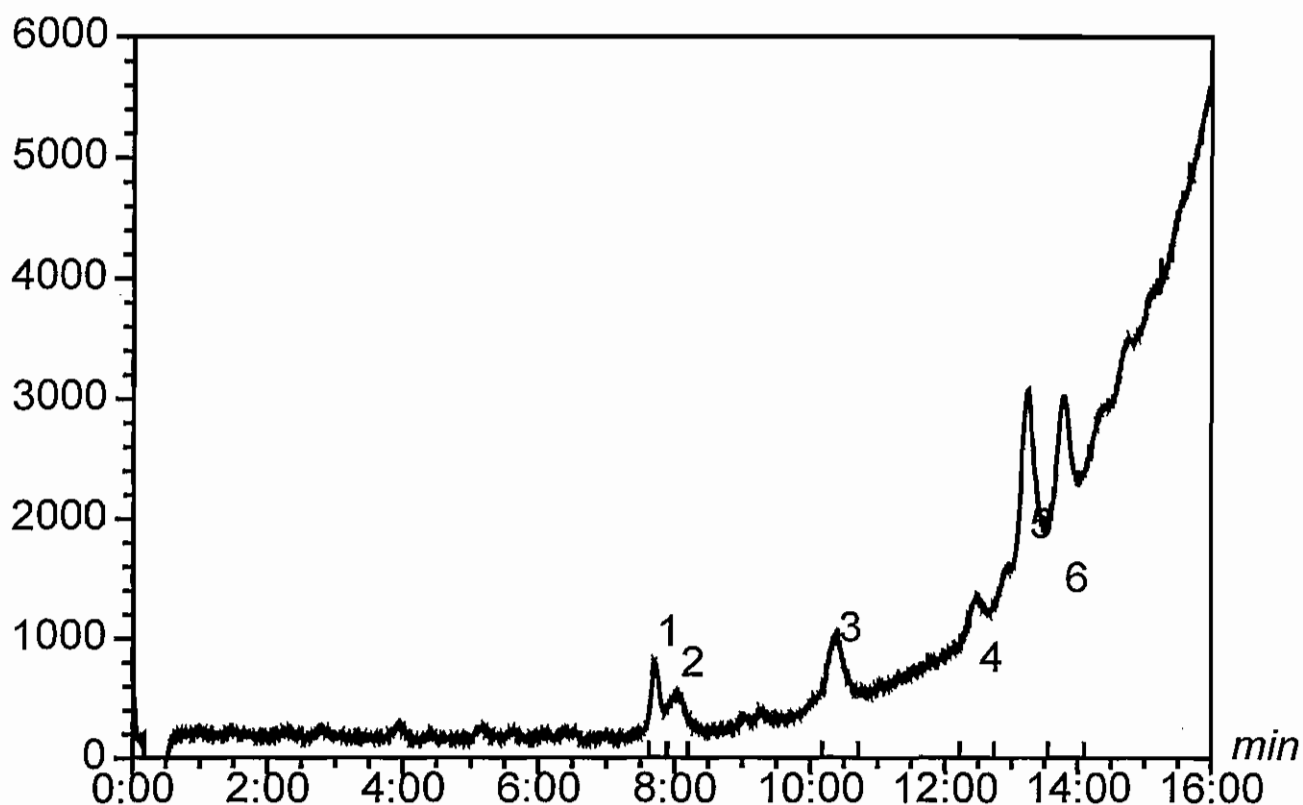
'C:\WPEAK\TO142.JOB' Run #244 9/30/99 2:14PM

	Name	Conc	Height	Area	Time
1	vinyl chloride	0.506	134	22807	0:33
2	3-chloropropene	1.855	434	370580	2:25
2	cis-1,2-dichloroethene	1.855	434	370580	2:25
3	benzene	3.443	673	628976	3:02
4	trichloroethene		457	437937	3:15
5	cis-1,3-dichloropropene	2.181	2020	1559520	3:49
6	trans-1,3-dichloropropene	2.281	1754	1631445	4:12
7	toluene	11.267	1627	3393892	4:44
8	unknown		3186	3199689	5:04
9	unknown		2427	5454753	5:32
10	1,2-dibromoethane	19.966	302	3688338	5:58
11	tetrachloroethene	61.322	1588	7353138	6:16
12	chlorobenzene	6.552	228	1770305	6:33
12	ethylbenzene	8.854	228	1770305	6:33
13	ethylbenzene	20.782	890	4155327	6:50
14	m-xylene	58.883	2098	7184279	7:04
15	unknown		644	4020771	7:33
16	unknown		218	2653055	7:39
17	p-xylene	13.834	2438	3875112	7:51
18	unknown		207	5856906	8:27
19	unknown		2444	4618631	8:38
20	unknown		166	1898469	8:58
21	o-xylene	44.918	1378	4857375	9:10
22	4-methyltoluene	5.954	-55	988636	9:34
23	1,3,5-trimethylbenzene		929	2882206	9:44
24	unknown		251	1187286	10:50
25	unknown		332	808150	12:27
26	unknown		1163	1248820	13:15
27	unknown		875	1405171	13:48
28	unknown		129	1108343	14:22



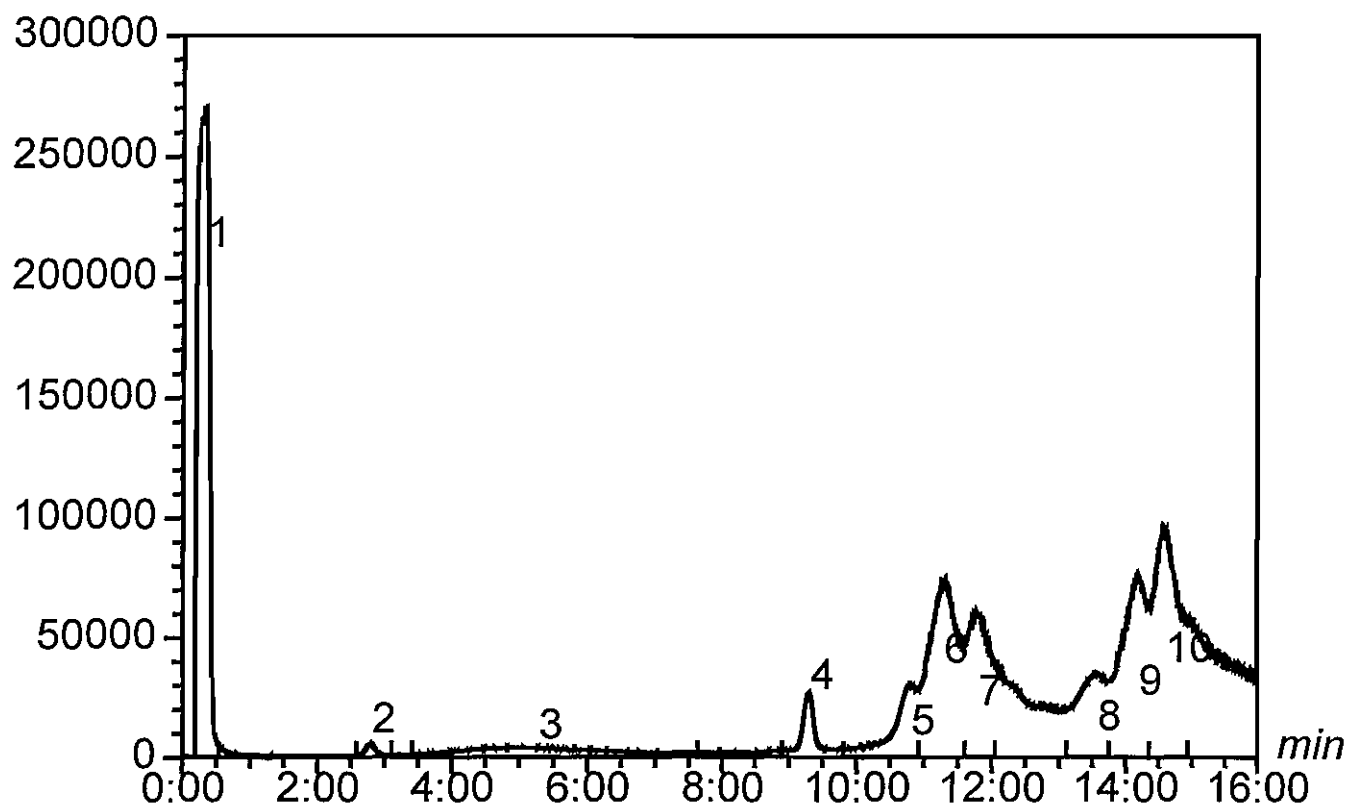
INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
 Oven Temp=50 Sample Time=0:20
 Syringe Inj=On Alarms=Off Paper Save=Off
 Cont. Pump=Off
 311 Plotter=Off 311 TWA=Off 311 STEL=Off
 311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
 Comment:
 s-alfgw400-4 feet

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	5.790	229027	57342350	0:18
2	unknown		2449	12942895	5:15
3	unknown		13118	4892283	9:20
4	Carrier Gas Impurity	3.492	2100	13644354	10:51
5	Carrier Gas Impurity	10.713	29873	41857928	11:21
6	Carrier Gas Impurity	7.332	14682	28648866	11:50
7	unknown		290	10048785	12:52
8	unknown		4357	23615870	13:39
9	unknown		17229	40230908	14:15
10	unknown		35268	50549932	14:39



INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
 Oven Temp=50 Sample Time=0:20
 Syringe Inj=On Alarms=Off Paper Save=Off
 Cont. Pump=Off
 311 Plotter=Off 311 TWA=Off 311 STEL=Off
 311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
 Comment:
 s-alfgw5 8-12 feet

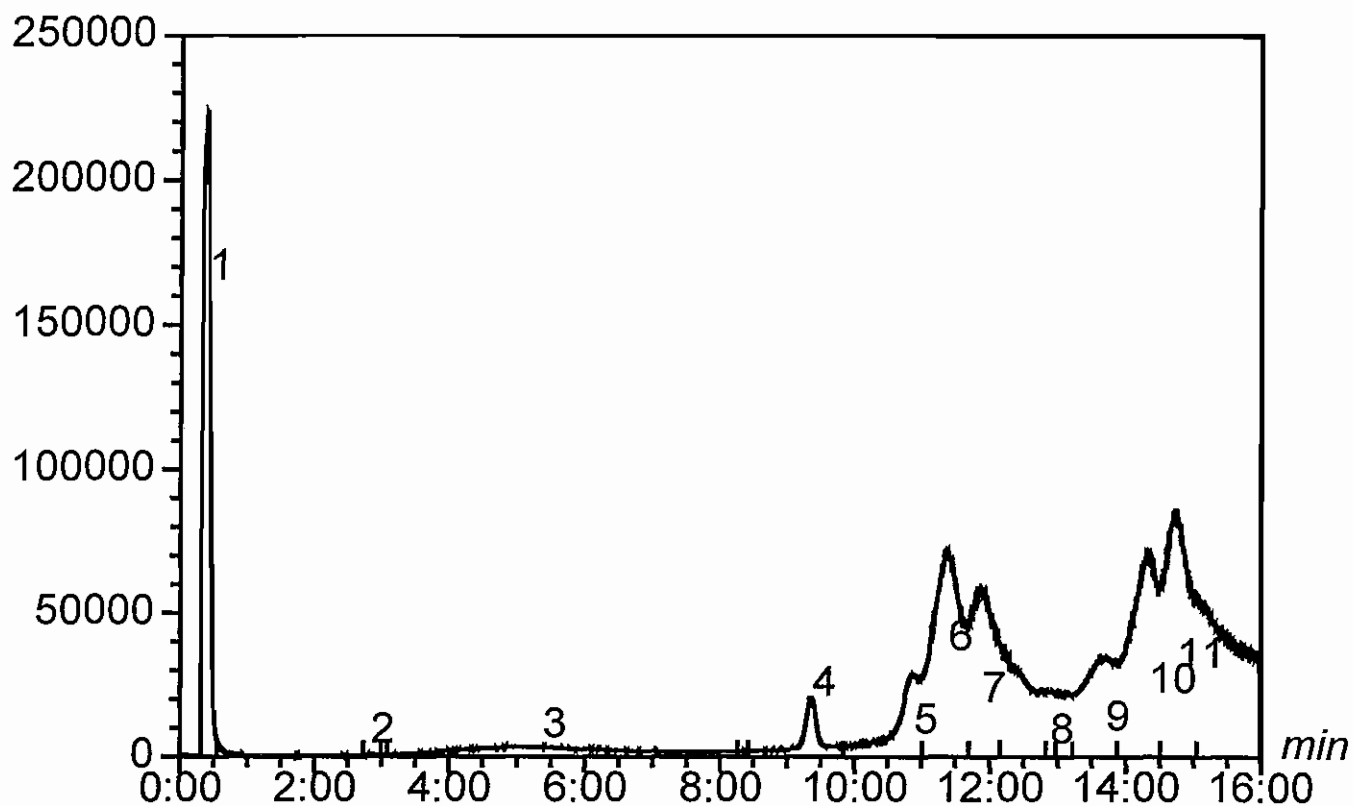
Name	Conc	Height	Area	Time
1 p-xylene	0.242	386	67728	7:44
2 styrene		131	45609	8:06
3 1,2,4-trimethylbenzene	0.316	419	264651	10:24
4 1,3-dichlorobenzene	6.787	170	510735	12:31
5 unknown		1283	1525429	13:15
6 unknown		835	1340406	13:48



INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
 Oven Temp=50 Sample Time=0:20
 Syringe Inj=On Alarms=Off Paper Save=Off
 Cont. Pump=Off
 311 Plotter=Off 311 TWA=Off 311 STEL=Off
 311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
 Comment:
 s-alfgw5 8-12 feet

Name	Conc	Height	Area	Time
1 dichlorodifluoromethane	6.549	207012	64851576	0:20
2 unknown		4611	1107838	2:48
3 unknown		2395	10873409	5:17
4 unknown		23108	7369277	9:18
5 unknown		3991	12907592	10:48
6 Carrier Gas Impurity	10.570	34065	41296980	11:18
7 unknown		16197	27541354	11:48
8 unknown		5852	20399731	13:34
9 unknown		20762	37538356	14:11
10 unknown		34309	50752262	14:36

'C:\WPEAK\TO142.JOB' Run #241 9/30/99 12:47PM



INJ/DET Temp=180

Analysis time=16:00

Inject Time=0:10

Oven Temp=50

Sample Time=0:20

Syringe Inj=On

Alarms=Off

Paper Save=Off

Cont. Pump=Off

311 Plotter=Off

311 TWA=Off

311 STEL=Off

311 TWA Cycle=1

Calibration Cycle=0

Repeat Cycle=1

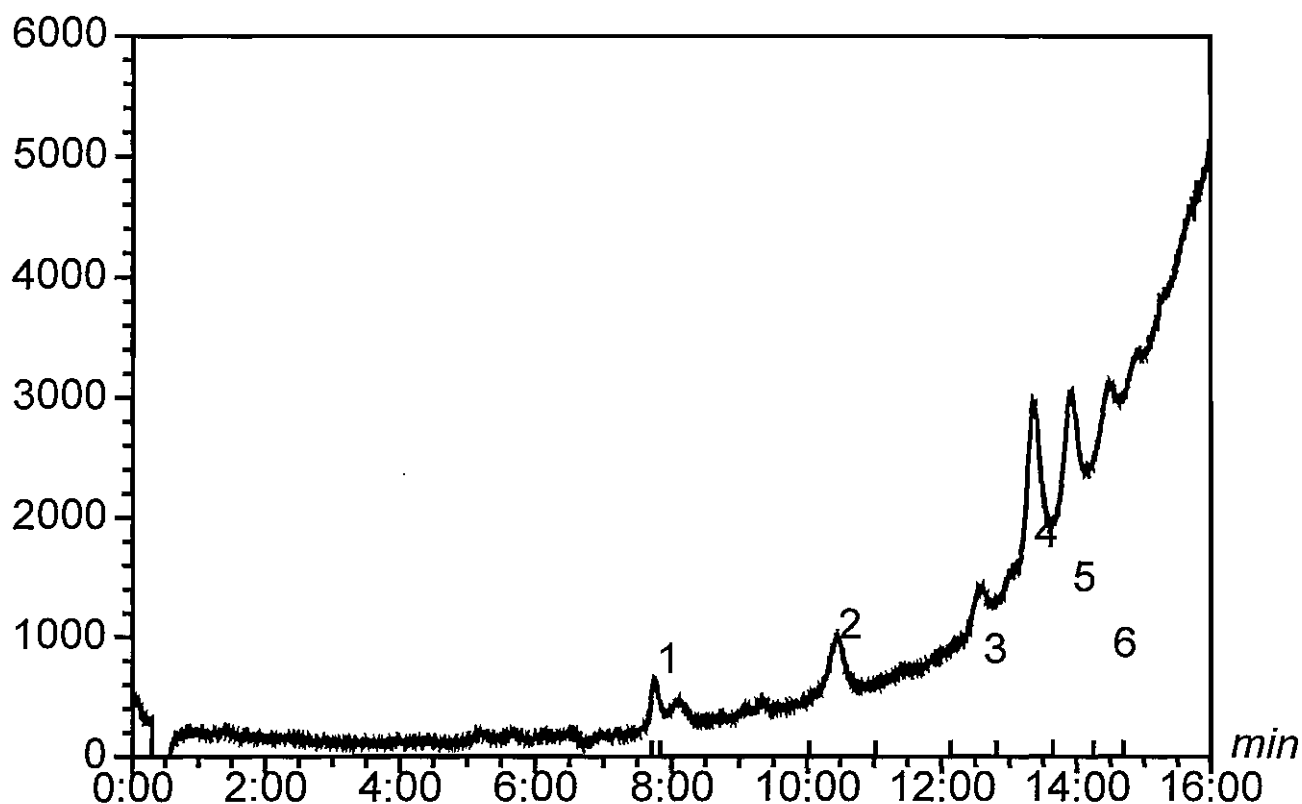
Comment:

s-alfgw500-4 feet

4-8

'C:\WPEAK\TO142.JOB' Run #241 9/30/99 12:47PM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	3.282	161212	32497271	0:24
1	chloromethane	3.282	161212	32497271	0:24
2	1,1,2-trichloro-1,2,2-trifluoroethane				
		0.002	126	28545	2:50
3	unknown		2104	10009575	5:22
4	unknown		16705	7061752	9:22
5	Carrier Gas Impurity	3.298	3774	12886356	10:53
6	unknown		32507	40744739	11:24
7	Carrier Gas Impurity	6.884	14790	26894946	11:54
8	unknown		167	4062438	12:53
9	unknown		4760	21187704	13:42
10	unknown		17837	38030614	14:20
11	Carrier Gas impurity	10.812	26593	42245396	14:45

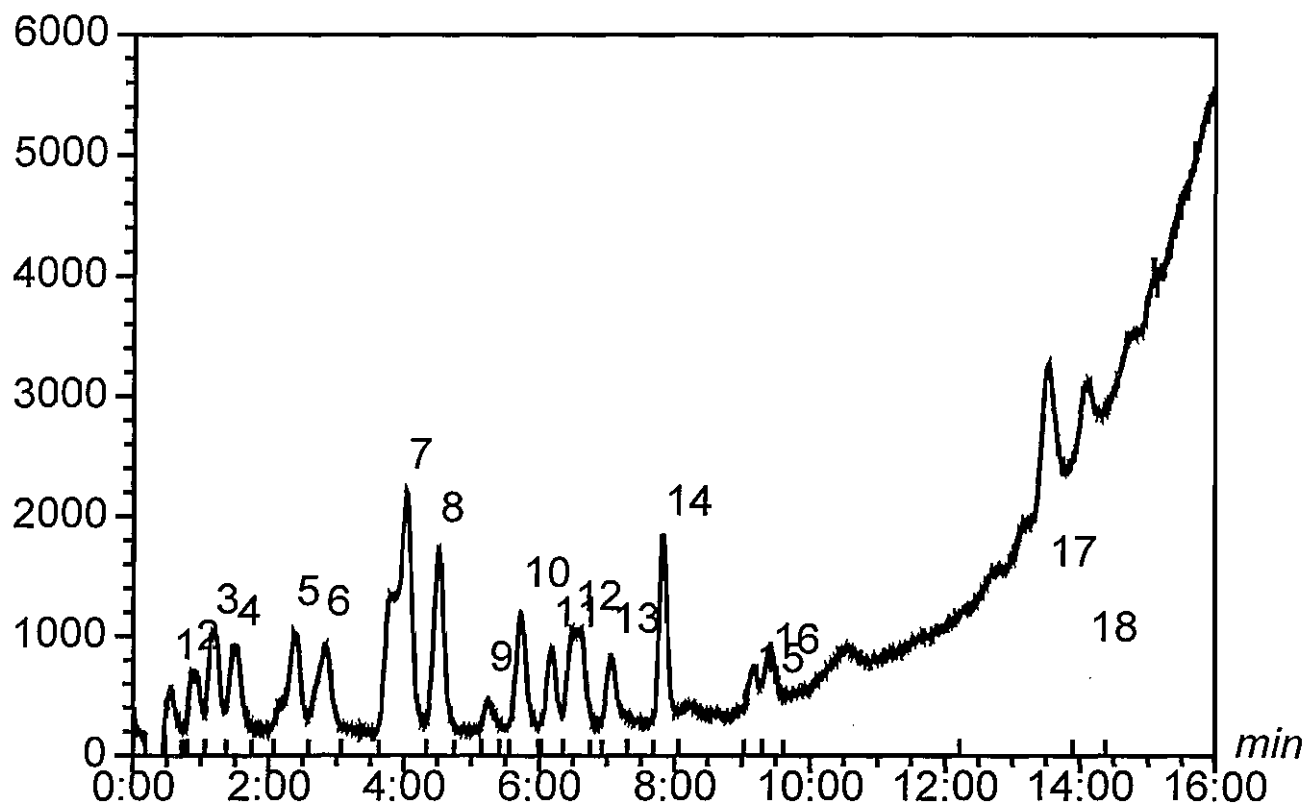


INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
 Oven Temp=50 Sample Time=0:20
 Syringe Inj=On Alarms=Off Paper Save=Off
 Cont. Pump=Off
 311 Plotter=Off 311 TWA=Off 311 STEL=Off
 311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
 Comment:
 s-alfgw5000-4 feet0000

	Name	Conc	Height	Area	Time
1	p-xylene	0.052	156	14650	7:46
2	1,2,4-trimethylbenzene	0.278	437	232897	10:28
3	1,3-dichlorobenzene	6.923	232	520983	12:36
4	unknown		1204	1399049	13:22
5	unknown		834	1372944	13:56
6	Carrier Gas Impurity	6.627	284	1224135	14:32

Syr. Inj Part Cleaned
new Sytla

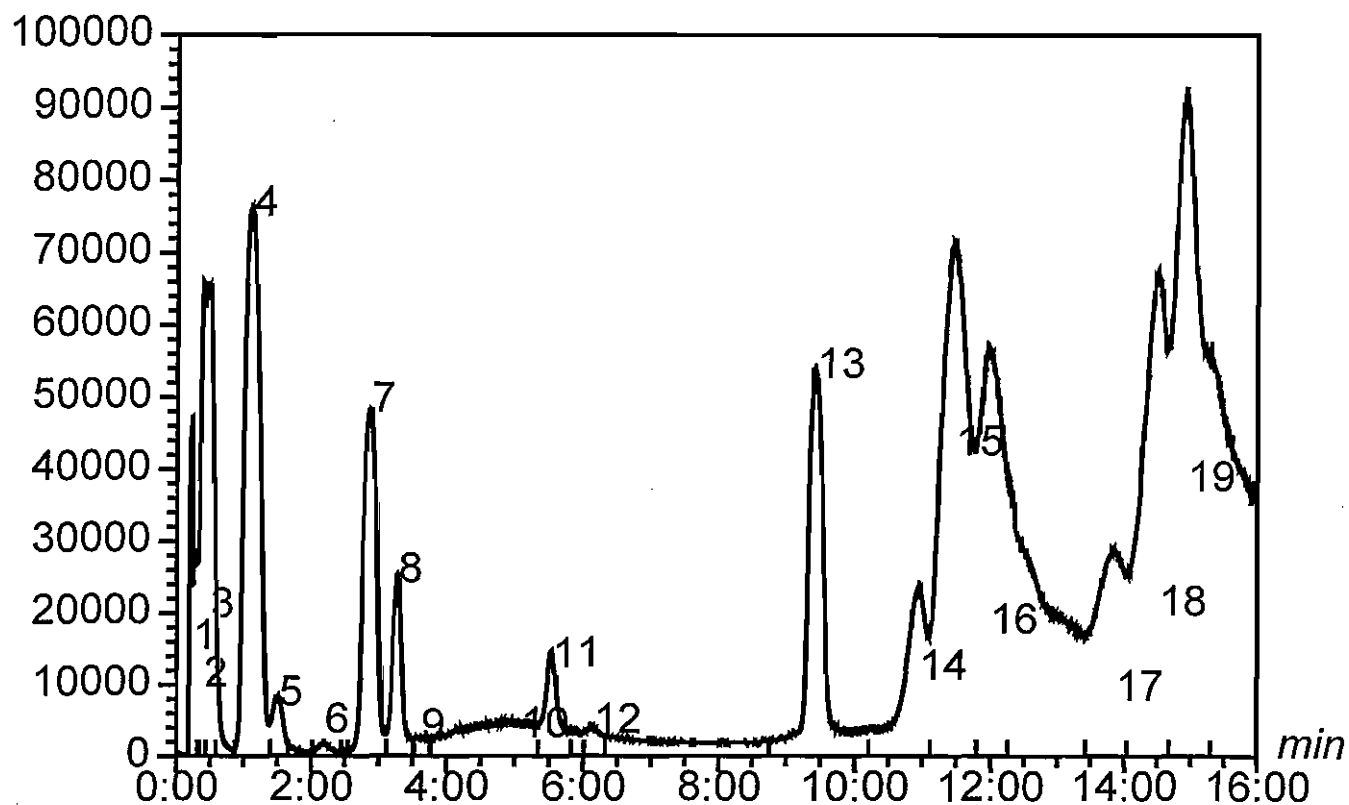
'C:\WPEAK\TO142.JOB' Run #240 9/30/99 12:20PM



INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
calibration 0.20 ppm TO-14

'C:\WPEAK\TO142.JOB' Run #240 9/30/99 12:20PM

	Name	Conc	Height	Area	Time
1	vinyl chloride	0.343	252	45075	0:35
2	bromomethane	0.487	332	88761	0:56
3	1,1-dichloroethene	0.531	636	170422	1:12
4	methylene chloride	0.507	545	152010	1:32
5	3-chloropropene	0.905	707	199730	2:24
5	cis-1,2-dichloroethene	0.502	707	199730	2:24
6	benzene	0.505	618	182691	2:51
7	cis-1,3-dichloropropene	1.635	1847	715084	4:03
7	trans-1,3-dichloropropene	0.924	1847	715084	4:03
8	toluene	0.553	1405	301221	4:32
9	unknown		158	34725	5:15
10	1,2-dibromoethane	0.534	858	184727	5:45
11	tetrachloroethene	0.511	528	119910	6:12
12	chlorobenzene	1.351	661	270173	6:31
13	m-xylene	0.590	478	122010	7:05
14	p-xylene	0.853	1455	280125	7:51
15	o-xylene	0.657	146	108139	9:12
16	4-methyltoluene	0.700	306	166032	9:26
17	Carrier Gas Impurity	9.065	1037	3135173	13:33
18	unknown		409	1440100	14:08



INJ/DET Temp=180

Analysis time=16:00

Inject Time=0:10

Oven Temp=50

Sample Time=0:20

Syringe Inj=On

Alarms=Off

Paper Save=Off

Cont. Pump=Off

311 Plotter=Off

311 TWA=Off

311 STEL=Off

311 TWA Cycle=1

Calibration Cycle=0

Repeat Cycle=1

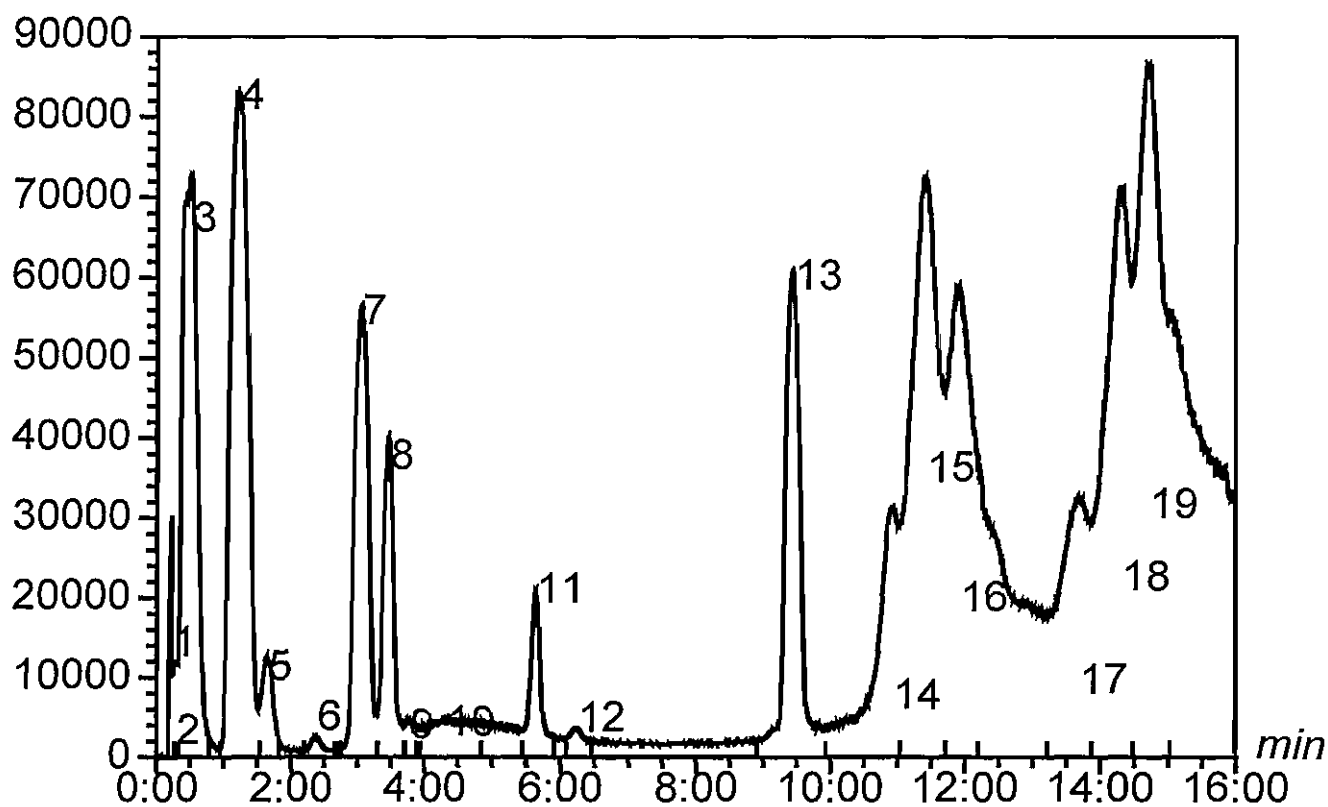
Comment:

calibration 0.20 ppm TO-14

'C:\WPEAK\TO142.JOB' Run #240 9/30/99 12:20PM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	5.877	12740	4784515	0:14
2	dichlorodifluoromethane	7.722	7475	6286888	0:24
2	chloromethane	0.275	7475	6286888	0:24
3	dichlorodifluoromethane	12.164	17145	9903012	0:30
3	chloromethane	0.433	17145	9903012	0:30
4	1,2-dichlorotetrafluoroethane	0.796	72757	24003806	1:07
5	chloroethane	0.594	4800	1704528	1:30
6	trichlorofluoromethane	0.540	1057	363827	2:12
7	1,1,2-trichloro-1,2,2-trifluoroethane	0.781	45632	12709582	2:52
8	1,1-dichloroethane	0.561	21965	4827551	3:17
9	chloroform	0.657	239	562456	3:37
10	unknown		474	6398917	5:05
11	carbon tetrachloride	0.905	10236	3907119	5:33
12	1,2-dichloropropane	1.008	995	1140685	6:09
13	unknown		50463	18545820	9:27
14	Carrier Gas Impurity	2.368	8557	10222827	10:57
15	unknown		39674	39756459	11:29
16	Carrier Gas Impurity	6.123	14982	26429941	12:00
17	unknown		5656	16684318	13:52
18	unknown		17454	33767264	14:31
19	Carrier Gas impurity	11.839	34806	51107234	14:57

'C:\WPEAK\TO142.JOB' Run #239 9/30/99 11:44AM



INJ/DET Temp=180

Oven Temp=50

Syringe Inj=On

Cont. Pump=Off

311 Plotter=Off

311 TWA Cycle=1

Comment:

calibration 0.30 ppm TO-14

Analysis time=16:00

Sample Time=0:20

Alarms=Off

Paper Save=Off

311 TWA=Off

Calibration Cycle=0

Inject Time=0:10

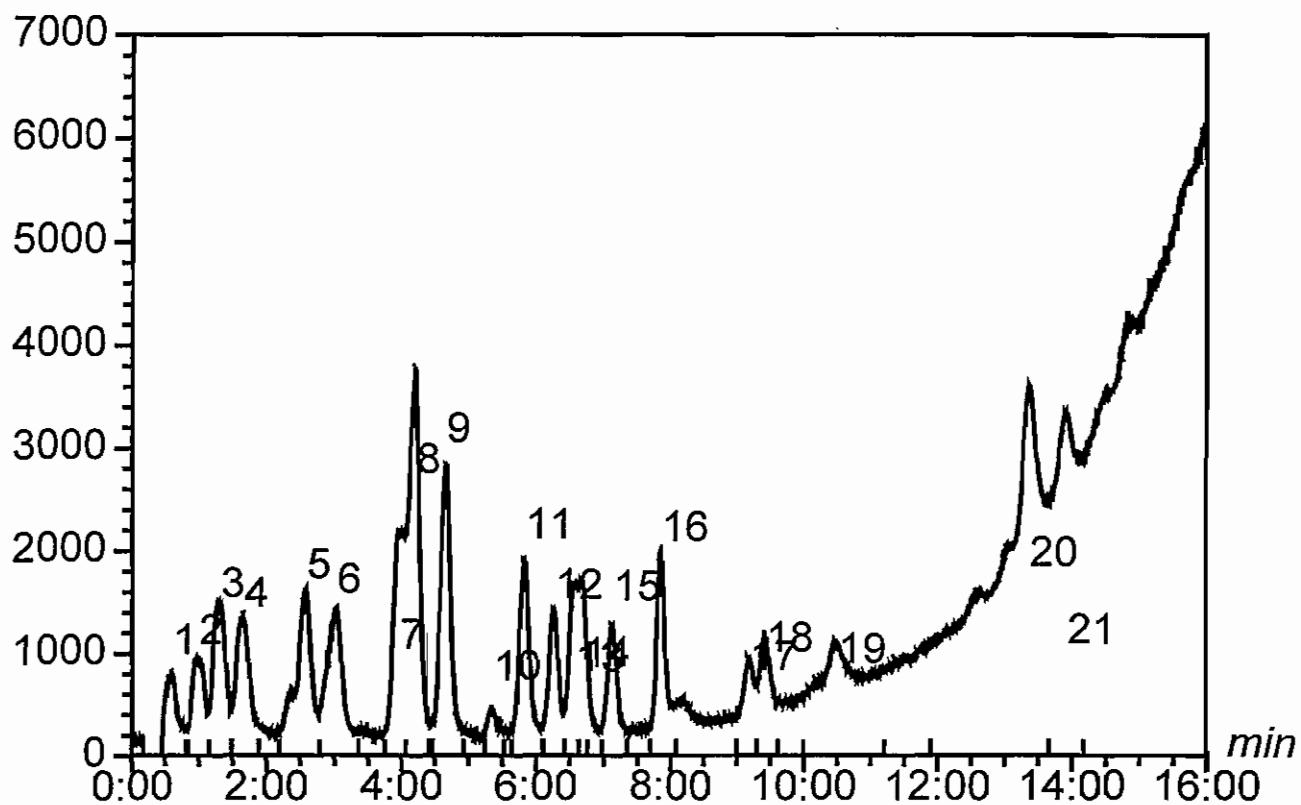
311 STEL=Off

Repeat Cycle=1

'C:\WPEAK\TO142.JOB' Run #238 9/30/99 11:13AM

	Name	Conc	Height	Area	Time
1	vinyl chloride		1675	519885	0:37
2	bromomethane		2161	604099	1:01
3	1,1-dichloroethene		3873	1100812	1:21
4	methylene chloride		3748	1003845	1:42
5	3-chloropropene		352	220785	2:25
5	cis-1,2-dichloroethene		352	220785	2:25
6	cis-1,2-dichloroethene		4509	1170769	2:37
7	benzene		4228	1316172	3:04
8	cis-1,3-dichloropropene		1386	1599463	4:01
8	trans-1,3-dichloropropene		1386	1599463	4:01
9	trans-1,3-dichloropropene		9960	3448860	4:14
10	toluene		11245	2352039	4:41
11	1,2-dibromoethane		7905	1538436	5:50
12	tetrachloroethene		5158	1112283	6:16
13	chlorobenzene		1557	1200923	6:34
13	ethylbenzene		1557	1200923	6:34
14	chlorobenzene		2294	1164279	6:41
14	ethylbenzene		2294	1164279	6:41
15	m-xylene		5326	1026209	7:07
16	p-xylene		1335	233505	7:51
17	o-xylene		2058	670653	9:10
18	o-xylene		3377	1058197	9:24
18	4-methyltoluene		3377	1058197	9:24
19	unknown		268	1255431	11:51
20	unknown		1344	1821768	13:22
21	unknown		407	1489290	13:55
22	unknown		126	3738173	14:54

'C:\WPEAK\TO142.JOB' Run #239 9/30/99 11:44AM



INJ/DET Temp=180

Oven Temp=50

Syringe Inj=On

Cont. Pump=Off

311 Plotter=Off

311 TWA Cycle=1

Comment:

calibration 0.30 ppm TO-14

Analysis time=16:00

Sample Time=0:20

Alarms=Off

311 TWA=Off

Calibration Cycle=0

Inject Time=0:10

Paper Save=Off

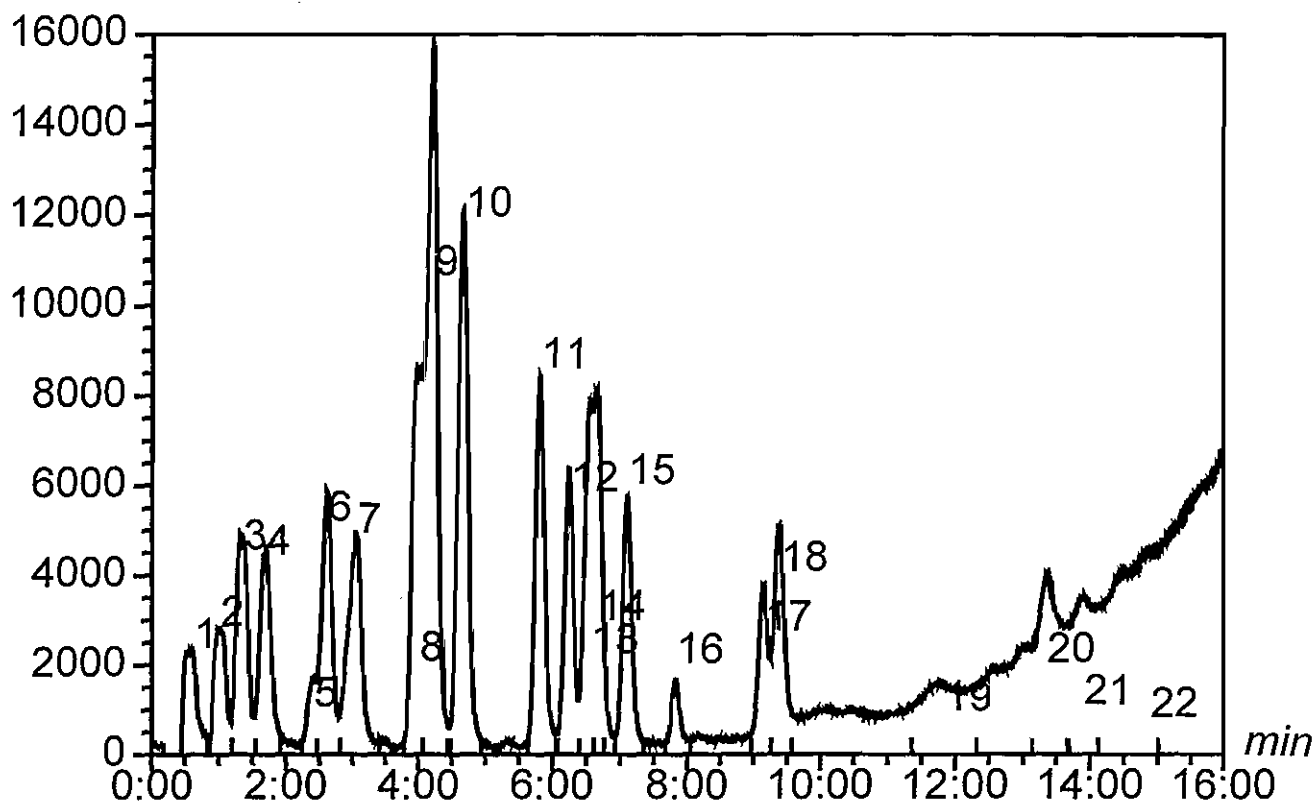
311 STEL=Off

Repeat Cycle=1

'C:\WPEAK\TO142.JOB' Run #239 9/30/99 11:44AM

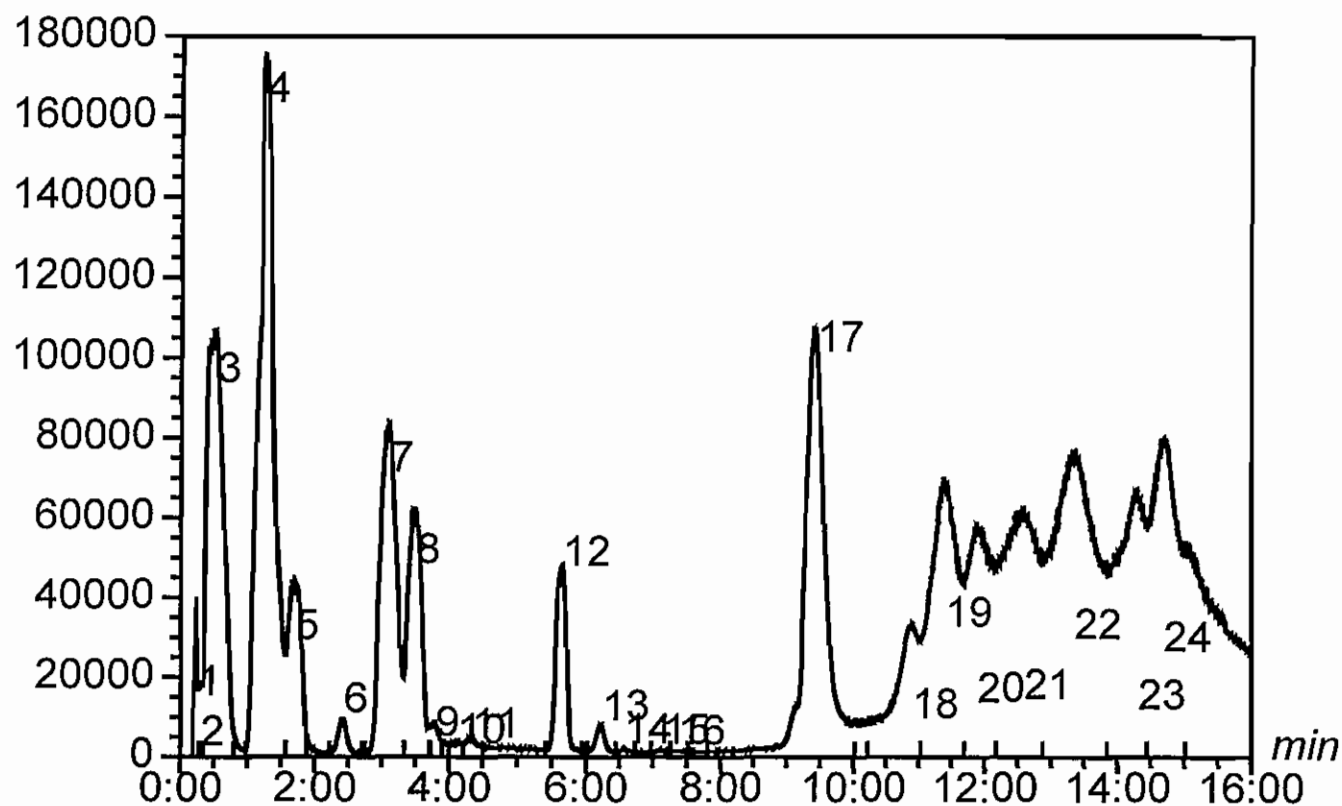
	Name	Conc	Height	Area	Time
1	vinyl chloride	0.253	468	131365	0:37
2	bromomethane	0.302	562	182422	1:00
3	1,1-dichloroethene	0.292	1014	320998	1:19
4	methylene chloride	0.299	922	300045	1:40
5	cis-1,2-dichloroethene	0.340	1204	397520	2:36
6	benzene	0.275	1059	361683	3:02
7	cis-1,3-dichloropropene	0.273	519	437275	3:59
8	trans-1,3-dichloropropene	0.224	2220	774105	4:13
9	toluene	0.232	2522	544814	4:40
10	unknown		210	47908	5:22
11	1,2-dibromoethane	0.225	1590	345873	5:51
12	tetrachloroethene	0.211	1005	234530	6:17
13	chlorobenzene	0.216	296	250922	6:36
13	ethylbenzene	0.216	296	250922	6:36
14	chlorobenzene	0.172	340	199945	6:42
14	ethylbenzene	0.172	340	199945	6:42
15	m-xylene	0.201	982	206775	7:09
16	p-xylene	1.407	1566	328541	7:52
17	o-xylene	0.156	304	164607	9:12
18	4-methyltoluene	0.224	490	237085	9:27
19	1,2,4-trimethylbenzene	0.843	376	836925	10:32
20	Carrier Gas Impurity	2.147	1318	3302265	13:23
21	unknown		569	1582806	13:57

'C:\WPEAK\TO142.JOB' Run #238 9/30/99 11:13AM



INJ/DET Temp=180	Analysis time=16:00	Inject Time=0:10
Oven Temp=50	Sample Time=0:20	
Syringe Inj=On	Alarms=Off	Paper Save=Off
Cont. Pump=Off		
311 Plotter=Off	311 TWA=Off	311 STEL=Off
311 TWA Cycle=1	Calibration Cycle=0	Repeat Cycle=1
Comment:		
calibration 1.0 ppm TO-14		

'C:\WPEAK\TO142.JOB' Run #238 9/30/99 11:14AM



INJ/DET Temp=180

Analysis time=16:00

Inject Time=0:10

Oven Temp=50

Sample Time=0:20

Syringe Inj=On

Alarms=Off

Paper Save=Off

Cont. Pump=Off

311 Plotter=Off

311 TWA=Off

311 STEL=Off

311 TWA Cycle=1

Calibration Cycle=0

Repeat Cycle=1

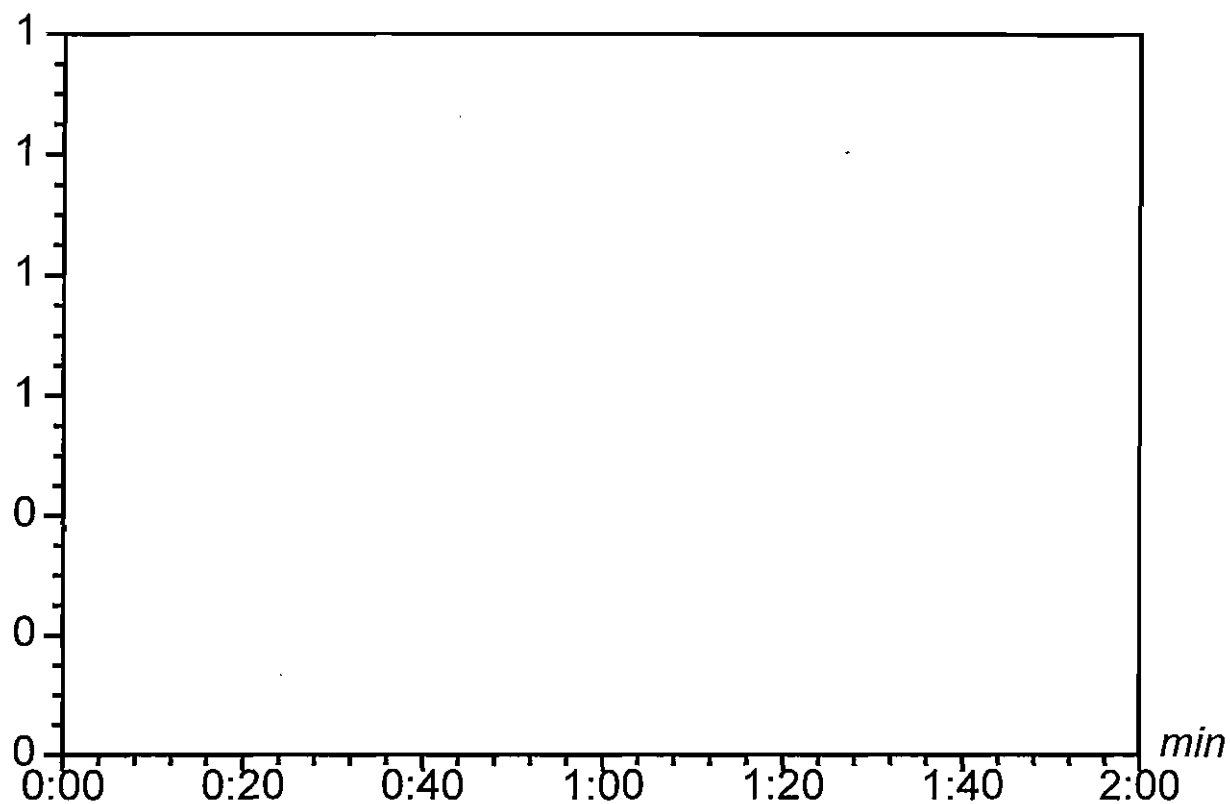
Comment:

calibration 1.0 ppm TO-14

'C:\WPEAK\TO142.JOB' Run #238 9/30/99 11:14AM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane		12610	2053824	0:15
2	dichlorodifluoromethane		-625	1262590	0:18
3	chloromethane		90907	37317081	0:32
4	1,2-dichlorotetrafluoroethane		160433	55366088	1:15
5	chloroethane		26465	11875845	1:42
6	trichlorofluoromethane		8220	2055703	2:26
7	1,1,2-trichloro-1,2,2-trifluoroethane		68434	28225757	3:06
8	1,1-dichloroethane		45567	17615986	3:30
9	chloroform		2237	1450538	3:48
10	1,2-dichloroethane		446	808386	4:07
10	1,1,1-trichloroethane		446	808386	4:07
11	1,1,1-trichloroethane		1805	1262444	4:20
12	carbon tetrachloride		45047	10597236	5:39
13	1,2-dichloropropane		6318	1803506	6:14
14	1,1,2-trichloroethane		422	540022	6:34
15	1,1,2,2-tetrachloroethane		344	473333	7:09
16	unknown		171	444990	7:22
17	unknown		98755	47173509	9:26
18	Carrier Gas Impurity		6822	16812491	10:54
19	unknown		29861	38961549	11:24
20	Carrier Gas Impurity		10919	27737084	11:54
21	unknown		11698	43538620	12:36
22	unknown		26925	66419156	13:21
23	unknown		9105	38052376	14:18
24	Carrier Gas impurity		23667	43740448	14:42

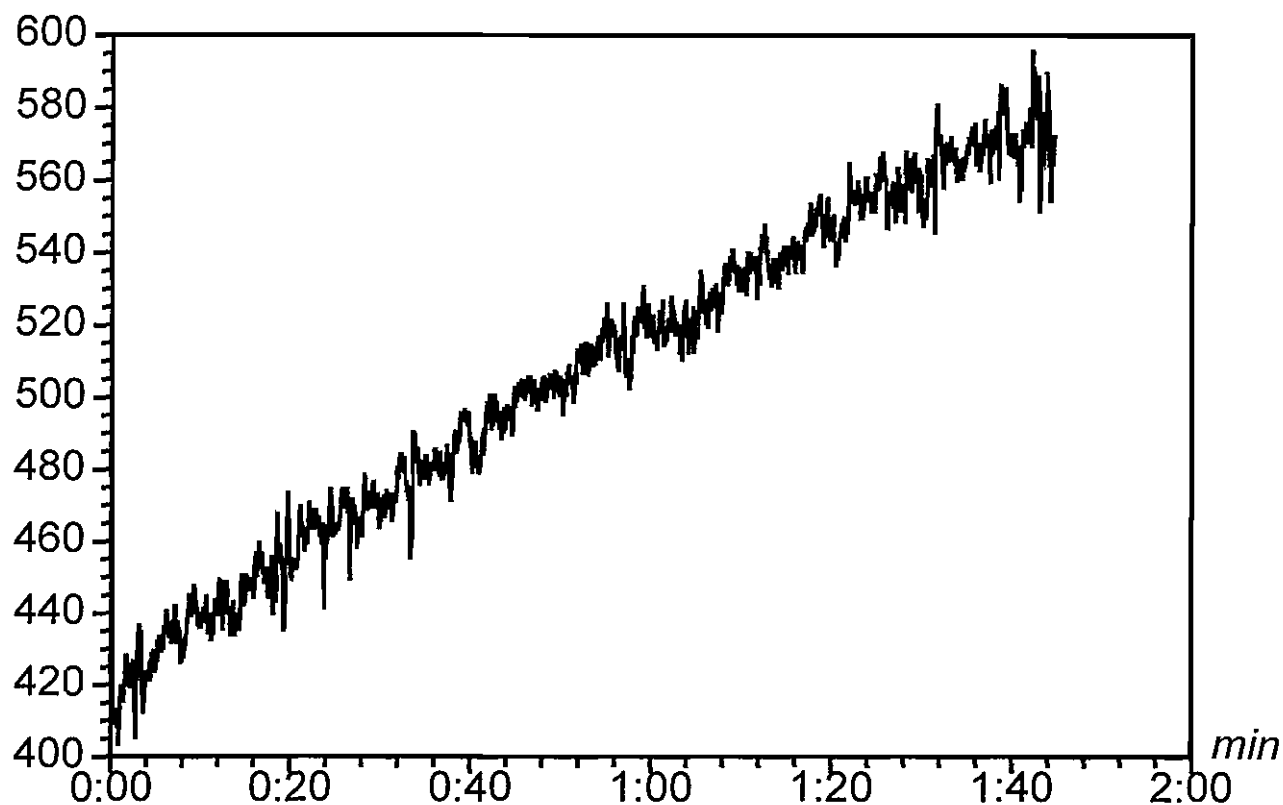
'C:\WPEAK\TO142.JOB' Run #237 9/30/99 10:44AM



INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
calibration 1.0 ppm TO-14 cancel run

Name	Conc	Height	Area	Time
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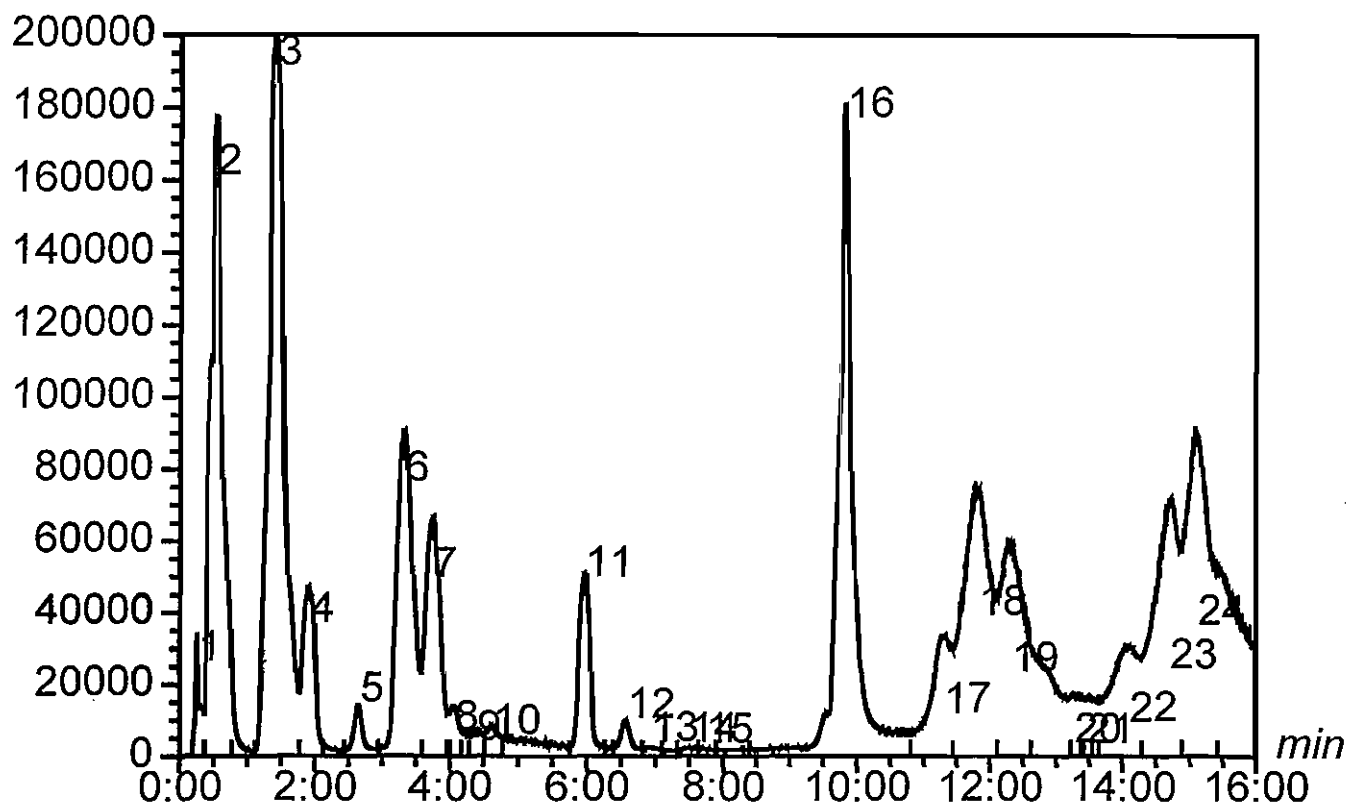
'C:\WPEAK\TO142.JOB' Run #237 9/30/99 10:44AM



INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
calibration 1.0 ppm TO-14 cancel run

Name	Conc	Height	Area	Time
------	------	--------	------	------

'C:\WPEAK\TO142.JOB' Run #236 9/30/99 10:21AM



INJ/DET Temp=180

Analysis time=16:00

Inject Time=0:10

Oven Temp=50

Sample Time=0:20

Syringe Inj=On

Alarms=Off

Paper Save=Off

Cont. Pump=Off

311 Plotter=Off

311 TWA=Off

311 STEL=Off

311 TWA Cycle=1

Calibration Cycle=0

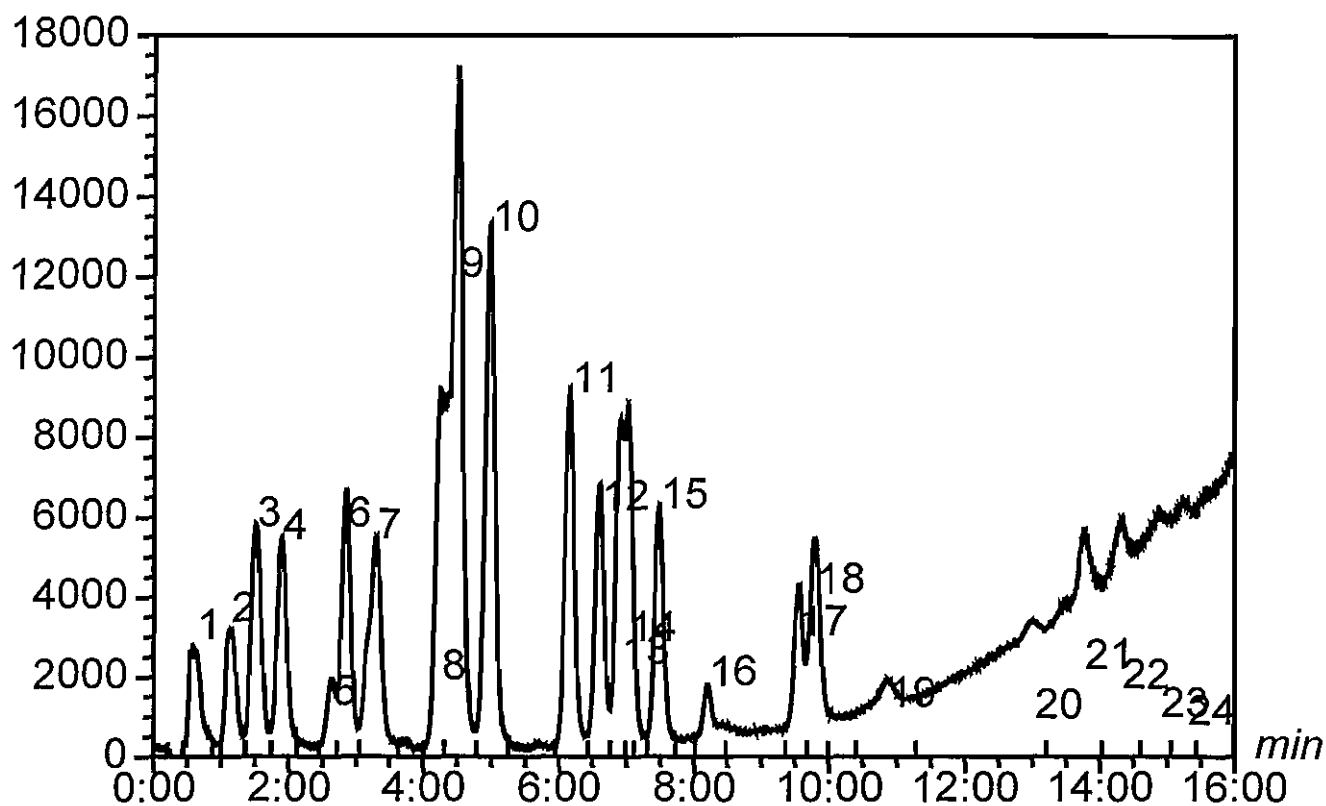
Repeat Cycle=1

Comment:

calibration 1.0 ppm TO-14 failed

'C:\WPEAK\TO142.JOB' Run #236 9/30/99 10:21AM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	2.009	23048	2970691	0:15
2	chloromethane	1.300	157885	45074072	0:33
3	unknown		187942	64225346	1:25
4	unknown		33754	11746393	1:55
5	unknown		11548	2908115	2:39
6	1,1-dichloroethane	2.094	72937	30219072	3:20
7	chloroform	1.114	46330	19369466	3:45
8	1,2-dichloroethane	1.745	3678	2458109	4:04
9	1,1,1-trichloroethane	1.602	747	1601883	4:24
10	unknown		2480	2065146	4:37
11	unknown		46504	11670944	5:58
12	1,1,2-trichloroethane	1.315	7247	2282969	6:35
13	unknown		502	724743	6:56
14	unknown		410	648710	7:30
15	unknown		200	548389	7:45
16	unknown		173558	56077976	9:50
17	Carrier Gas Impurity		8675	13889812	11:18
18	Carrier Gas Impurity		35736	41096067	11:50
19	unknown		20139	28763669	12:20
20	unknown		160	3019872	13:17
21	unknown		117	2502380	13:28
22	unknown		6128	17455400	14:06
23	Carrier Gas impurity		20870	35098140	14:42
24	unknown		33166	44143793	15:07



INJ/DET Temp=180

Analysis time=16:00

Inject Time=0:10

Oven Temp=50

Sample Time=0:20

Syringe Inj=On

Alarms=Off

Paper Save=Off

Cont. Pump=Off

311 Plotter=Off

311 TWA=Off

311 STEL=Off

311 TWA Cycle=1

Calibration Cycle=0

Repeat Cycle=1

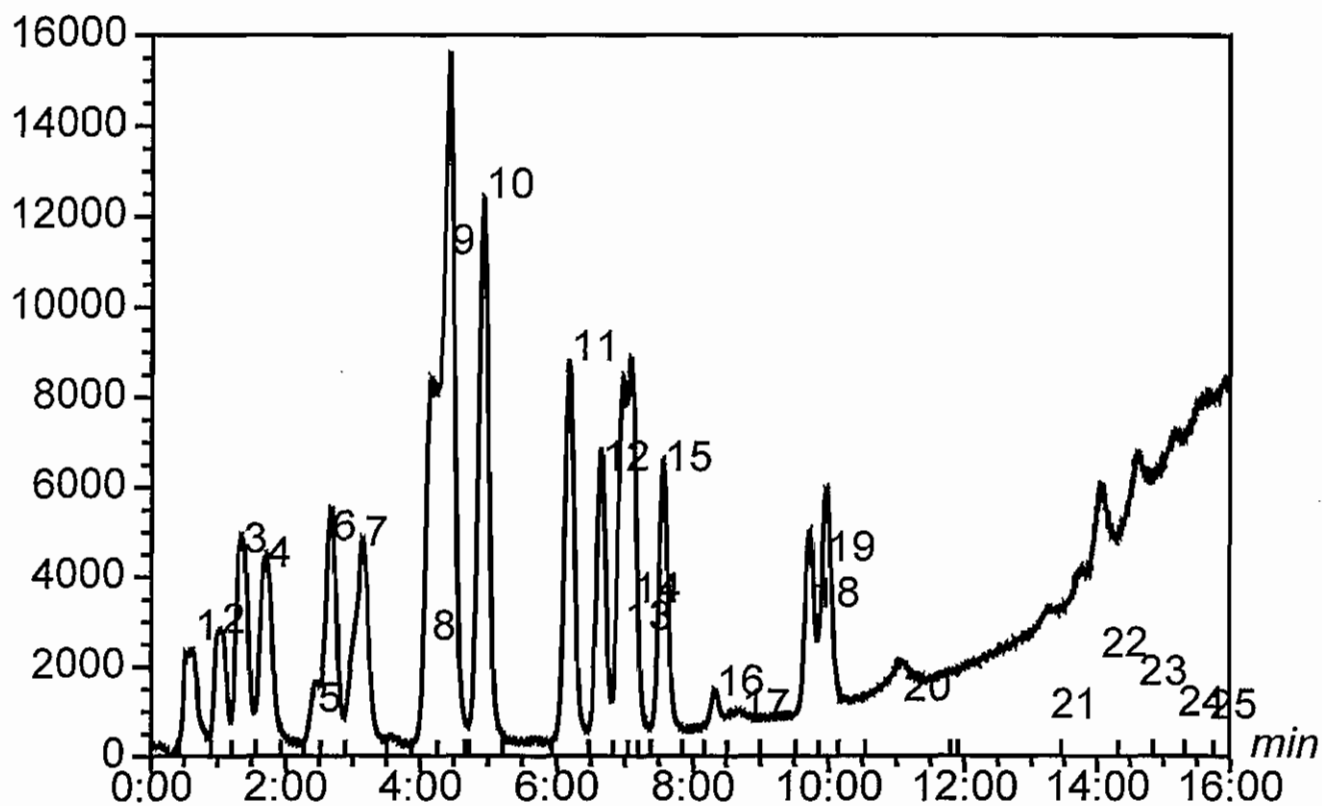
Comment:

calibration 1.0 ppm TO-14 failed

'C:\WPEAK\TO142.JOB' Run #236 9/30/99 10:21AM

	Name	Conc	Height	Area	Time
1	vinyl chloride	1.029	2304	597606	0:38
2	bromomethane	1.084	2730	656412	1:09
2	1,1-dichloroethene	0.594	2730	656412	1:09
3	methylene chloride	1.151	5115	1176825	1:31
4	unknown		4807	1074780	1:54
5	cis-1,2-dichloroethene	0.227	634	266626	2:39
6	benzene	0.897	5098	1217337	2:51
7	trichloroethene	1.599	4816	1411748	3:18
8	trans-1,3-dichloropropene	0.790	1274	1309221	4:16
9	toluene		11332	4208376	4:31
10	unknown		12489	2601177	4:59
11	tetrachloroethene	0.989	8477	1709688	6:10
12	chlorobenzene	0.964	5531	1217239	6:37
12	ethylbenzene	0.964	5531	1217239	6:37
13	unknown		1665	1372743	6:56
14	m-xylene	0.895	2247	1127675	7:02
15	unknown		5577	1174086	7:30
16	styrene	1.370	1129	413407	8:13
17	4-methyltoluene		2385	830366	9:34
18	1,3,5-trimethylbenzene	1.167	3458	1178482	9:49
19	unknown		612	1250220	10:52
20	unknown		306	4632267	13:02
21	unknown		1557	3704502	13:47
22	unknown		1048	3206485	14:20
23	unknown		347	2812215	14:54
24	unknown		154	2503725	15:18

changed Sept



INJ/DET Temp=180

Analysis time=16:00

Inject Time=0:10

Oven Temp=50

Sample Time=0:20

Syringe Inj=On

Alarms=Off

Paper Save=Off

Cont. Pump=Off

311 Plotter=Off

311 TWA=Off

311 STEL=Off

311 TWA Cycle=1

Calibration Cycle=0

Repeat Cycle=1

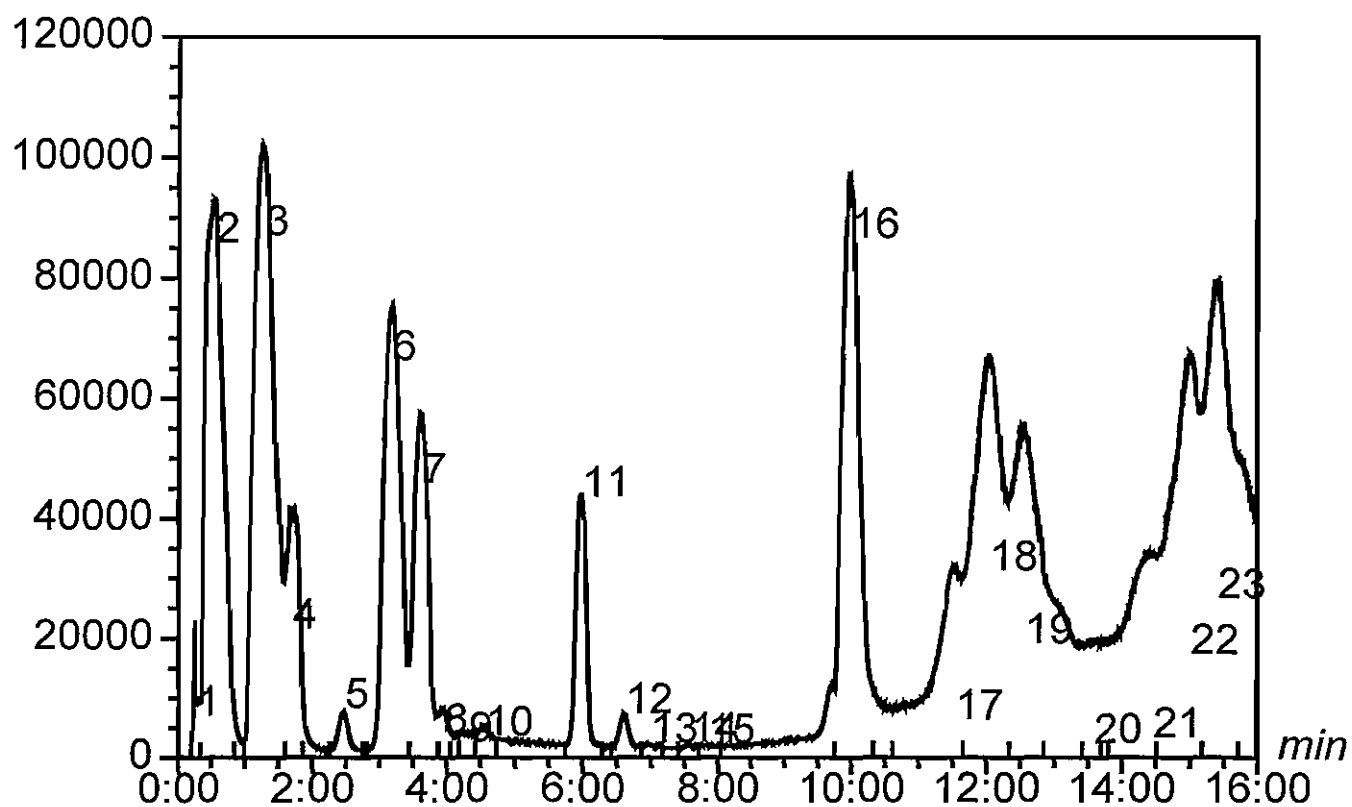
Comment:

calibration 1.0 ppm TO-14 failed

'C:\WPEAK\TO142.JOB' Run #235 9/30/99 9:27AM

	Name	Conc	Height	Area	Time
1	vinyl chloride	1.010	1894	580936	0:39
2	bromomethane	1.021	2036	605582	1:03
3	1,1-dichloroethene	1.017	3815	1104303	1:22
4	methylene chloride	1.020	3505	1022340	1:43
5	3-chloropropene	1.010	273	236355	2:28
5	cis-1,2-dichloroethene	0.208	273	236355	2:28
6	cis-1,2-dichloroethene	1.033	4105	1175935	2:41
7	benzene		3959	1356535	3:09
8	trans-1,3-dichloropropene	1.025	1882	1656899	4:10
9	unknown		10431	3700958	4:26
10	unknown		11679	2558574	4:56
11	tetrachloroethene	1.029	8090	1729528	6:12
12	chlorobenzene	1.030	5652	1262831	6:39
12	ethylbenzene	1.030	5652	1262831	6:39
13	m-xylene	1.124	2087	1401333	6:59
14	m-xylene	1.011	2706	1260345	7:06
15	unknown		5640	1278755	7:35
16	styrene	1.040	649	301825	8:21
17	unknown		109	370927	8:43
18	1,3,5-trimethylbenzene	0.811	2601	1009887	9:45
19	unknown		3622	1240423	9:59
20	unknown		519	2098020	11:06
21	unknown		129	3951017	13:18
22	unknown		1494	4107972	14:04
23	Carrier Gas Impurity		867	3367143	14:39
24	unknown		192	3454517	15:13
25	1,4-dichlorobenzene	1.909	121	3642290	15:42

'C:\WPEAK\TO142.JOB' Run #235 9/30/99 9:27AM

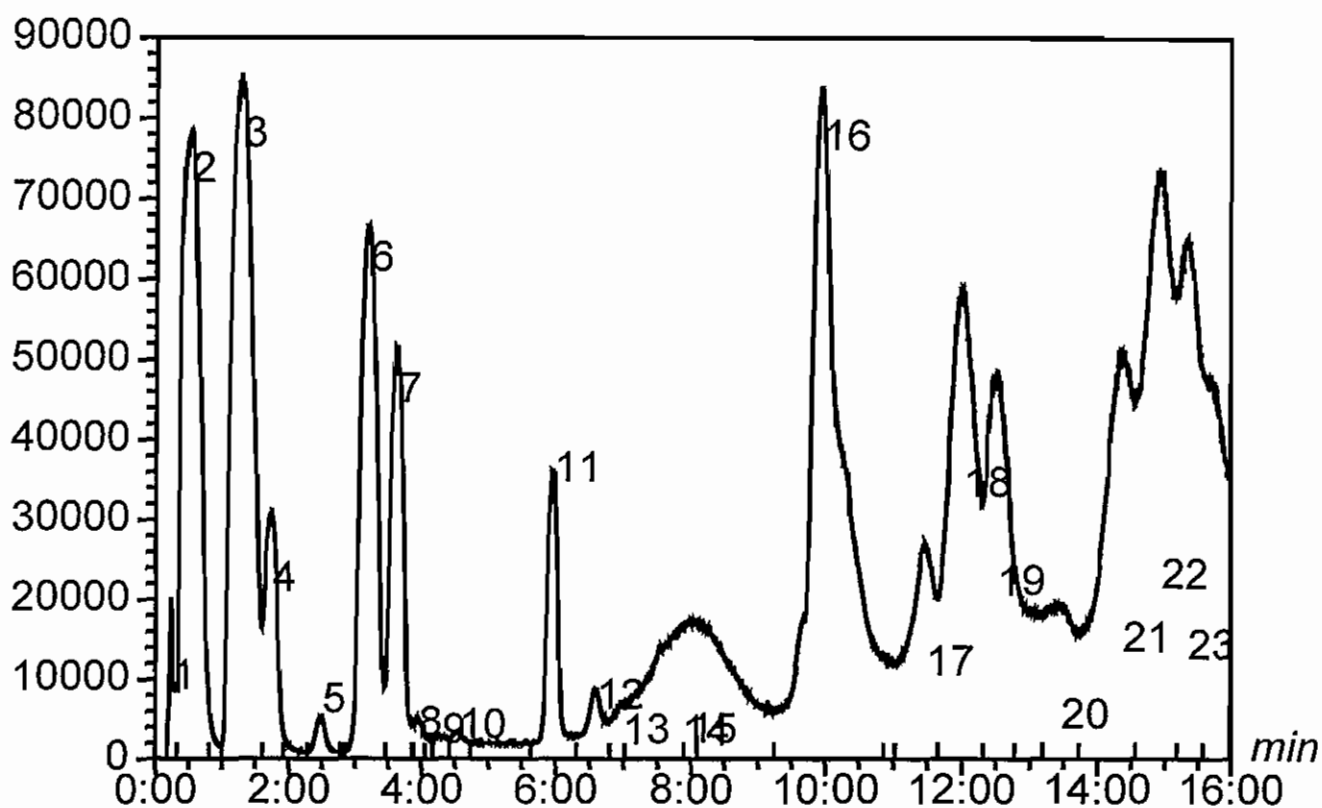


INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
calibration 1.0 ppm TO-14 failed

'C:\WPEAK\TO142.JOB' Run #235 9/30/99 9:27AM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	0.960	4826	1478711	0:16
2	chloromethane	1.175	83682	34664621	0:33
3	1,2-dichlorotetrafluoroethane	1.157	84910	43040508	1:17
4	chloroethane	1.359	19408	10633683	1:42
5	trichlorofluoromethane	1.407	6138	1824925	2:28
6	unknown		64101	27138671	3:11
7	chloroform	1.251	43723	17381286	3:38
8	1,2-dichloroethane	1.539	1790	1408422	3:57
9	1,1,1-trichloroethane	1.425	395	999952	4:19
10	unknown		1465	1434965	4:33
11	unknown		41483	9759788	5:59
12	1,1,2-trichloroethane	0.601	5299	1735887	6:37
13	unknown		378	640920	7:00
14	unknown		346	593685	7:36
15	unknown		128	641780	7:51
16	unknown		84348	35158600	10:00
17	unknown		4227	18070466	11:33
18	Carrier Gas Impurity		29151	39626064	12:03
19	unknown		16899	27596009	12:34
20	unknown		233	5835201	13:36
21	unknown		1255	21362394	14:28
22	unknown		15154	38314875	15:01
23	unknown		24514	40648811	15:25

'C:\WPEAK\TO142.JOB' Run #234 9/30/99 9:05AM



INJ/DET Temp=180

Oven Temp=50

Syringe Inj=On

Cont. Pump=Off

311 Plotter=Off

311 TWA Cycle=1

Comment:

calibration 1.0 ppm TO-14 failed

Analysis time=16:00

Sample Time=0:20

Alarms=Off

311 TWA=Off

Calibration Cycle=0

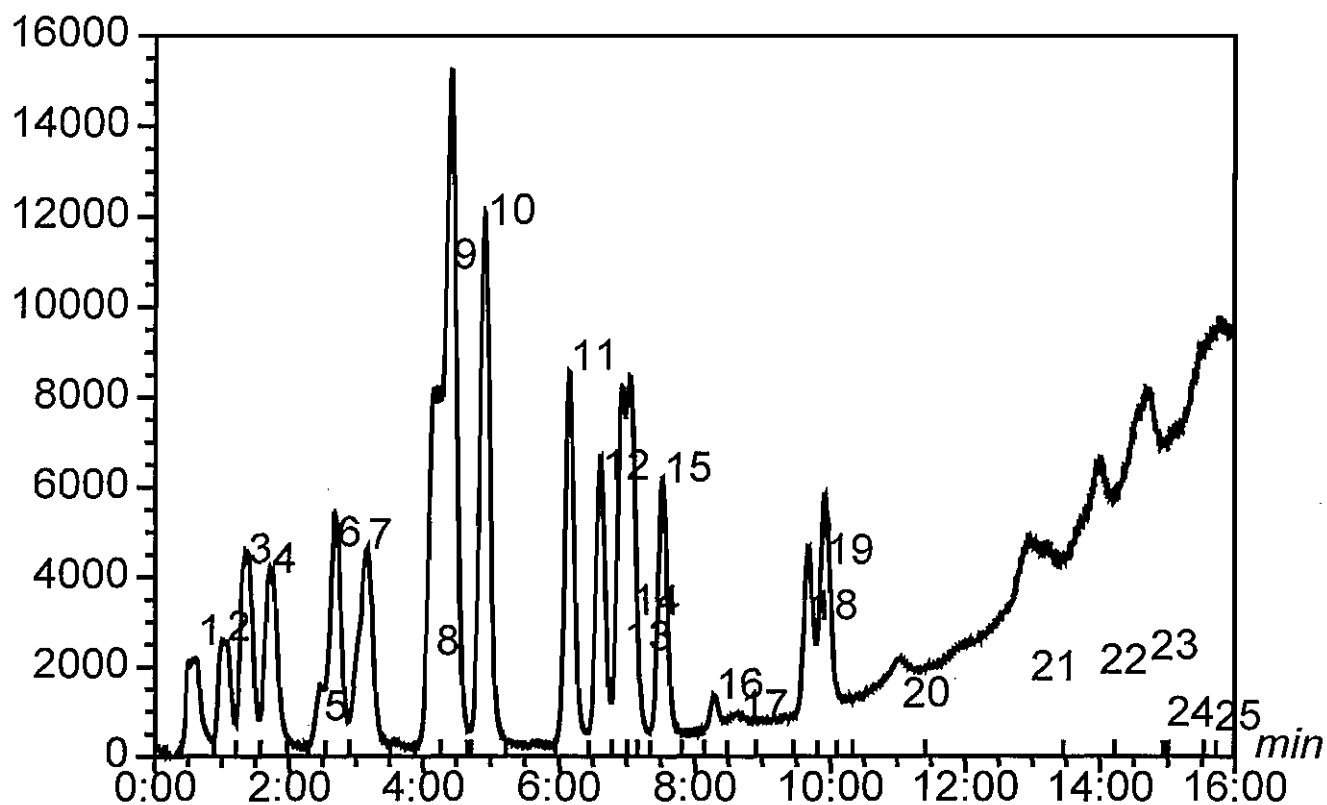
Inject Time=0:10

Paper Save=Off

311 STEL=Off

Repeat Cycle=1

'C:\WPEAK\TO142.JOB' Run #234 9/30/99 9:05AM

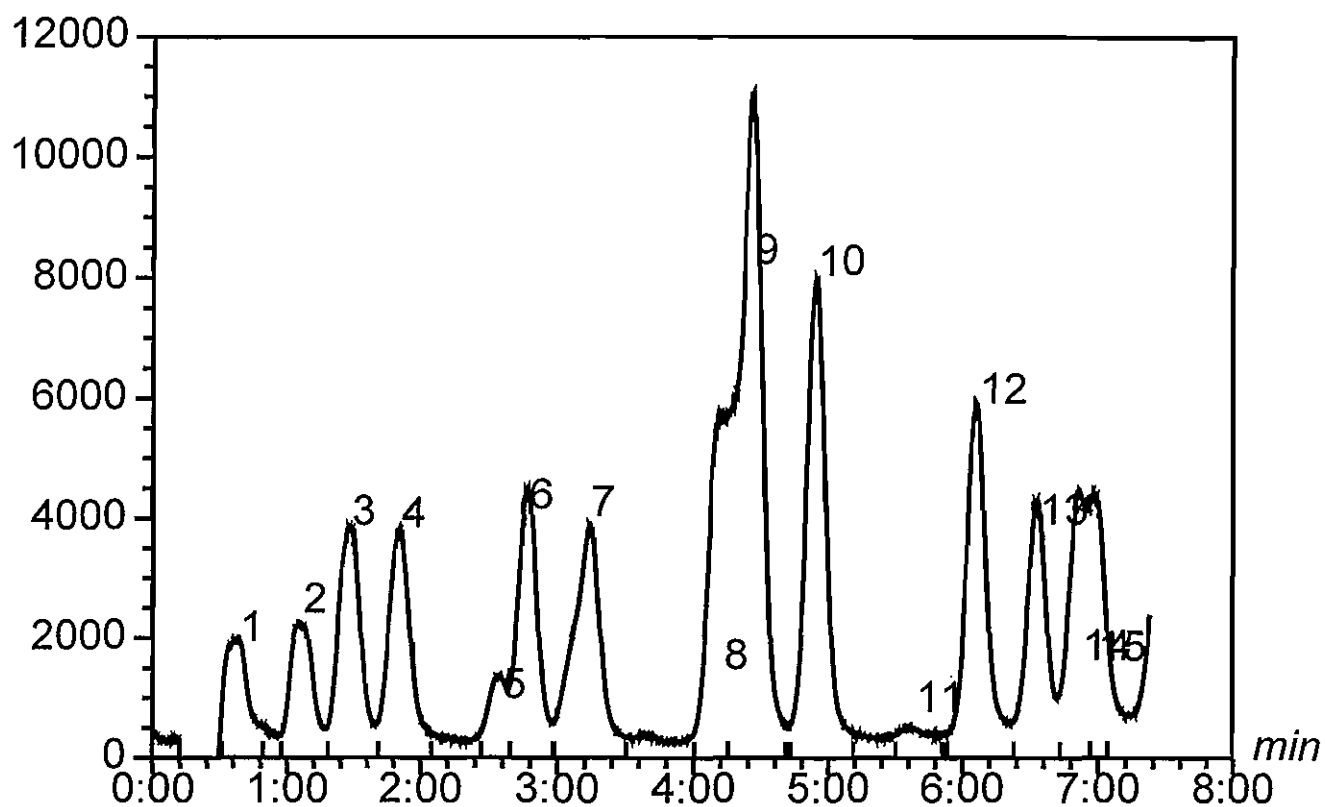


INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
calibration 1.0 ppm TO-14 failed

'C:\WPEAK\TO142.JOB' Run #234 9/30/99 9:05AM

	Name	Conc	Height	Area	Time
1	vinyl chloride	1.600	1815	575016	0:38
2	bromomethane	1.442	1905	593150	1:04
3	1,1-dichloroethene		3626	1086100	1:23
4	methylene chloride	1.319	3406	1001873	1:45
5	3-chloropropene		130	234006	2:30
5	cis-1,2-dichloroethene	1.413	130	234006	2:30
6	cis-1,2-dichloroethene	6.878	3987	1138828	2:42
7	unknown		3946	1315933	3:10
8	trans-1,3-dichloropropene	1.844	1570	1616880	4:11
9	unknown		10156	3611668	4:26
10	unknown		11137	2491221	4:56
11	tetrachloroethene	1.542	7923	1680805	6:10
12	chlorobenzene	1.623	5483	1226223	6:38
12	ethylbenzene	1.623	5483	1226223	6:38
13	unknown		1687	1320441	6:57
14	m-xylene	2.355	2481	1246806	7:04
15	unknown		5436	1212941	7:33
16	styrene		612	290269	8:18
17	unknown		128	327846	8:40
18	1,3,5-trimethylbenzene		2362	973298	9:42
19	1,3,5-trimethylbenzene		3598	1244897	9:56
20	unknown		419	1900182	11:04
21	unknown		1009	6979917	12:59
22	unknown		1159	4537872	14:00
23	unknown		1481	5558634	14:45
24	unknown		-16	568752	14:59
25	1,4-dichlorobenzene		-93	1908390	15:42

'C:\WPEAK\TO142.JOB' Run #233 9/30/99 8:09AM



INJ/DET Temp=180

Oven Temp=50

Syringe Inj=On

Cont. Pump=Off

311 Plotter=Off

311 TWA Cycle=1

Comment:

calibration 1.0 ppm TO-14 failed

Analysis time=16:00

Sample Time=0:20

Alarms=Off

311 TWA=Off

Calibration Cycle=0

Inject Time=0:10

Paper Save=Off

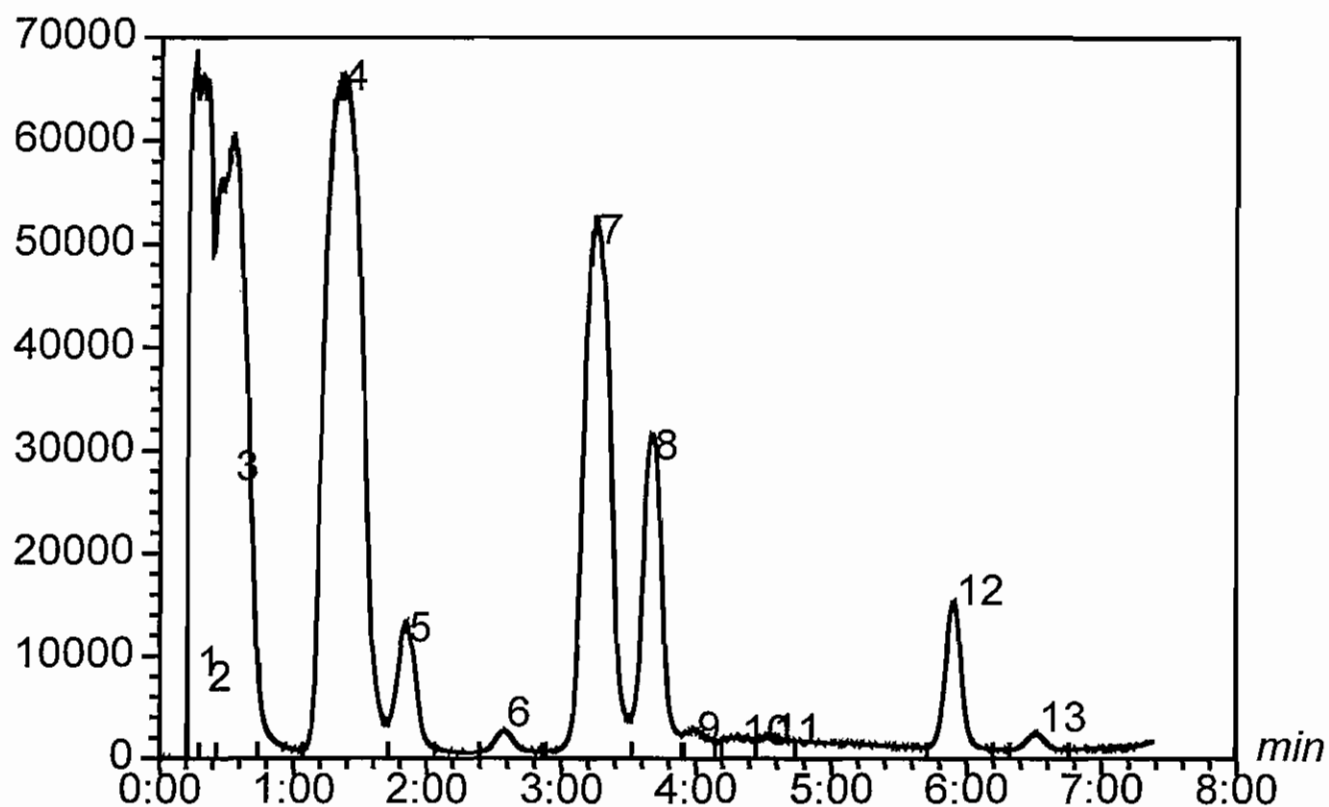
311 STEL=Off

Repeat Cycle=1

'C:\WPEAK\TO142.JOB' Run #233 9/30/99 8:09AM

	Name	Conc	Height	Area	Time
1	vinyl chloride		1268	359292	0:39
2	bromomethane		1740	411224	1:07
3	methylene chloride		3201	759420	1:29
4	unknown		3171	718873	1:51
5	cis-1,2-dichloroethene		315	165585	2:36
6	unknown		3482	784362	2:48
7	trichloroethene		3358	882765	3:15
8	trans-1,3-dichloropropene		799	876995	4:13
9	unknown		7553	2581122	4:27
10	unknown		7365	1504860	4:55
11	unknown		100	34655	5:39
12	tetrachloroethene		5236	1090105	6:07
13	chlorobenzene		3226	755676	6:34
13	ethylbenzene		3226	755676	6:34
14	unknown		957	734310	6:53
15	m-xylene		942	529505	7:00

'C:\WPEAK\TO142.JOB' Run #233 9/30/99 8:09AM



INJ/DET Temp=180

Oven Temp=50

Syringe Inj=On

Cont. Pump=Off

311 Plotter=Off

311 TWA Cycle=1

Comment:

calibration 1.0 ppm TO-14 failed

Analysis time=16:00

Sample Time=0:20

Alarms=Off

311 TWA=Off

Calibration Cycle=0

Inject Time=0:10

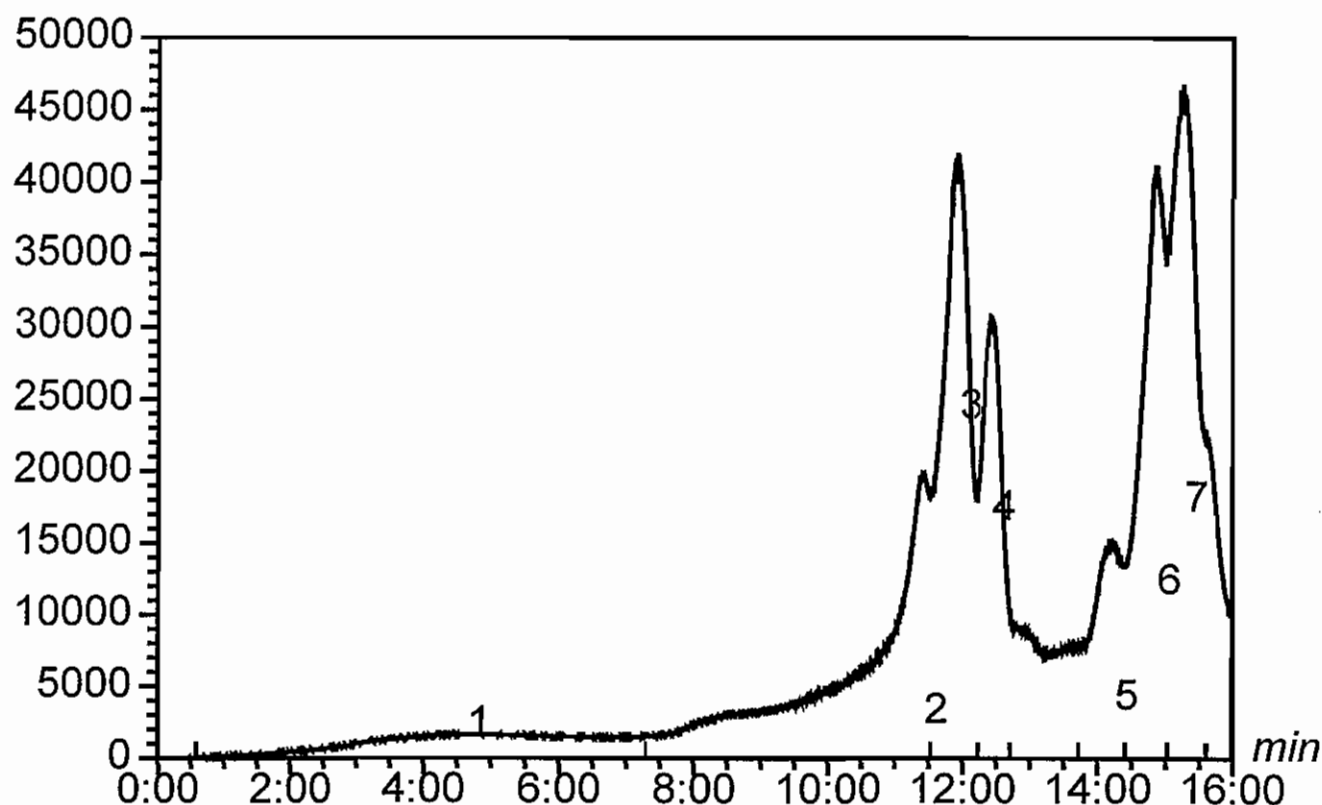
Paper Save=Off

311 STEL=Off

Repeat Cycle=1

'C:\WPEAK\TO142.JOB' Run #233 9/30/99 8:09AM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane		6895	5634192	0:16
2	dichlorodifluoromethane		5466	8600200	0:21
3	chloromethane		25910	16974673	0:33
4	1,2-dichlorotetrafluoroethane		63647	25115586	1:21
5	unknown		10216	2744018	1:51
6	unknown		1937	684388	2:36
7	1,1-dichloroethane		48831	14434308	3:16
8	chloroform		27999	6445830	3:41
9	1,2-dichloroethane		548	656256	4:00
10	1,1,1-trichloroethane		170	535015	4:21
11	unknown		342	647085	4:34
12	unknown		13843	2844877	5:55
13	1,1,2-trichloroethane		1502	687605	6:32

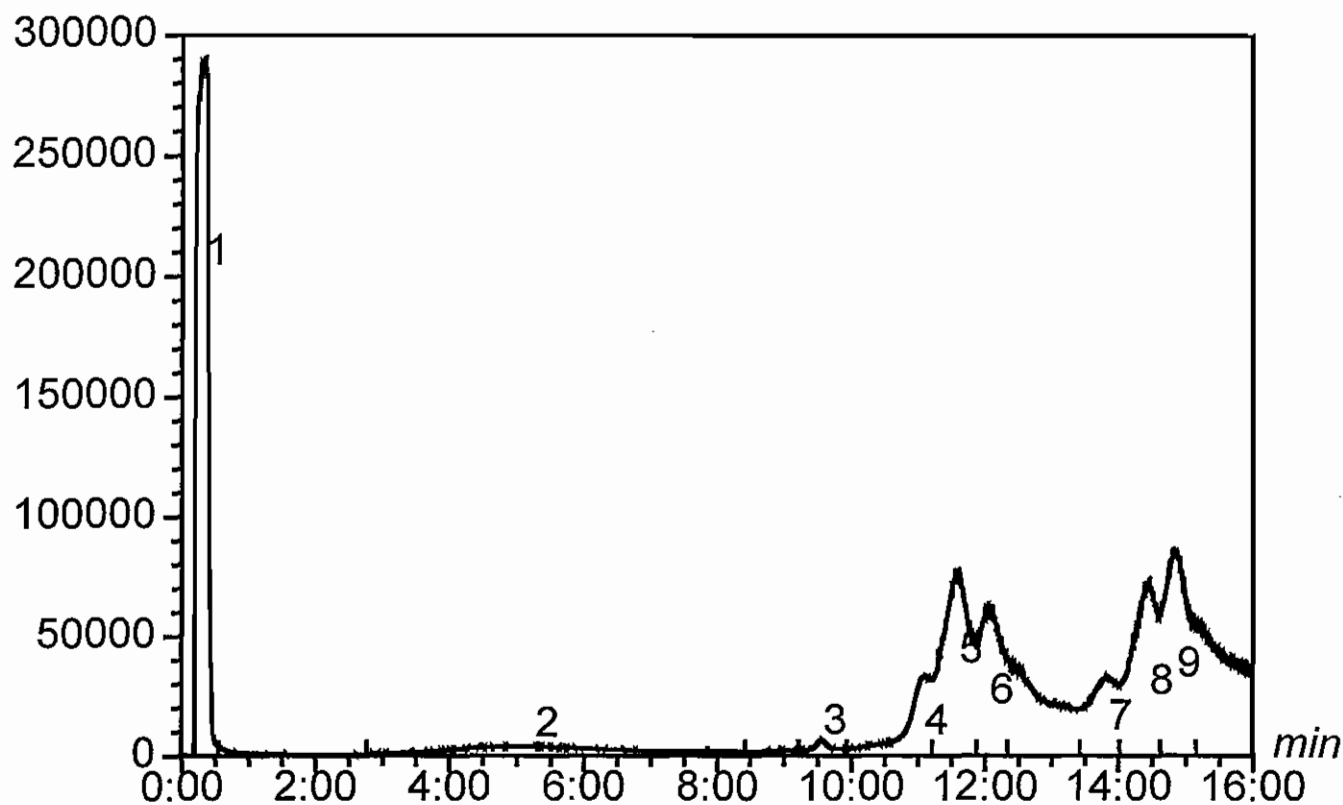


INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
 Oven Temp=50 Sample Time=0:20
 Syringe Inj=On Alarms=Off Paper Save=Off
 Cont. Pump=Off
 311 Plotter=Off 311 TWA=Off 311 STEL=Off
 311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
 Comment:
 first run ☐ carrier gas ☐

	Name	Conc	Height	Area	Time
1	unknown		699	8342188	4:39
2	unknown		1653	23188290	11:27
3	Carrier Gas Impurity		22831	23246719	11:57
4	unknown		15795	12912870	12:27
5	unknown		2610	9092415	14:15
6	Carrier Gas impurity		10659	19966274	14:53
7	unknown		16409	24443830	15:17

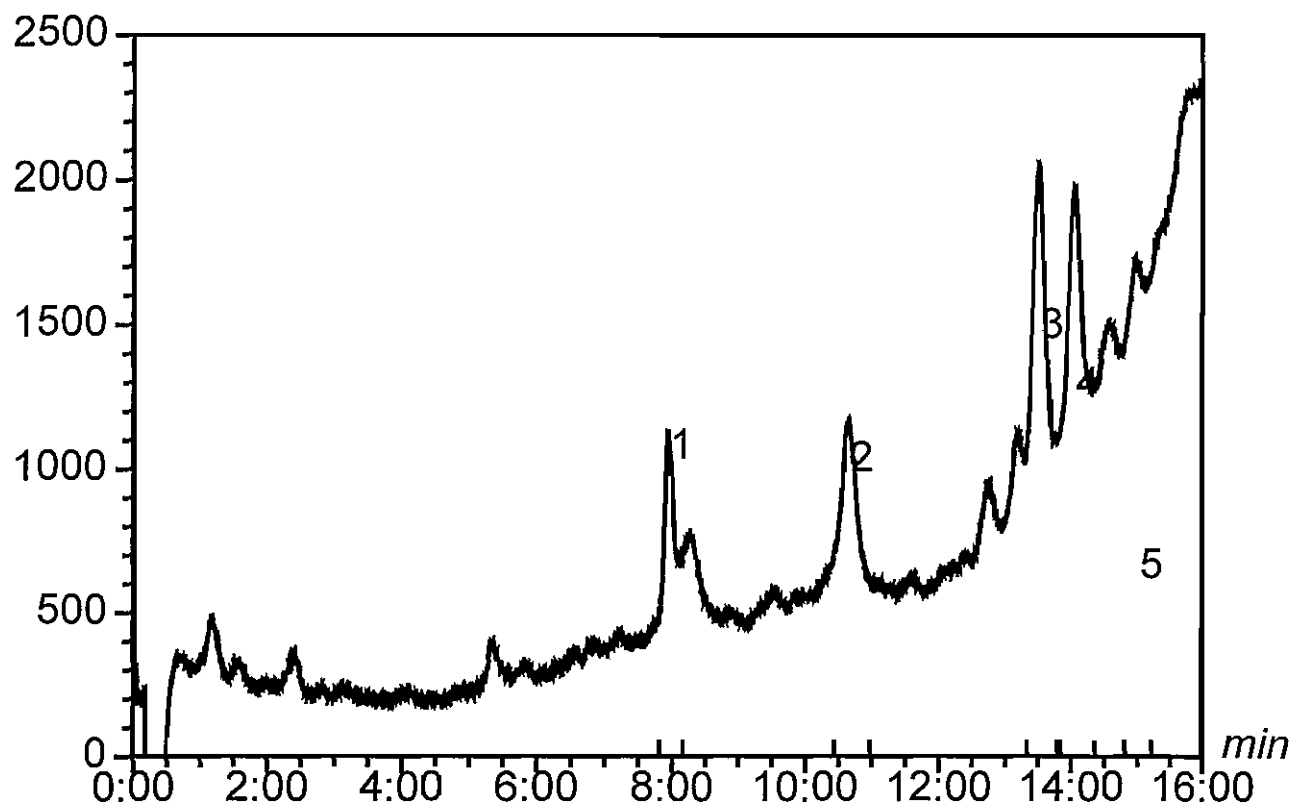
'C:\WPEAK\TO142.JOB' Run #232 9/30/99 7:44AM

	Name	Conc	Height	Area	Time
1	unknown		326	63027	8:34
2	1,3,5-trimethylbenzene		193	144531	9:49
3	unknown		1115	370270	10:07
4	unknown		531	449364	10:50
5	unknown		164	150812	11:27
6	unknown		787	510217	12:28
7	unknown		242	484565	12:51
8	Carrier Gas Impurity		218	871911	13:26
9	unknown		5465	3726106	13:56
10	Carrier Gas Impurity		1865	2482785	14:27
11	unknown		7729	4859745	15:04
12	unknown		377	1793500	15:25
13	1,4-dichlorobenzene		294	2286720	15:51



INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
 Oven Temp=50 Sample Time=0:20
 Syringe Inj=On Alarms=Off Paper Save=Off
 Cont. Pump=Off
 311 Plotter=Off 311 TWA=Off 311 STEL=Off
 311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
 Comment:
 s-alfg12 8-12 feet

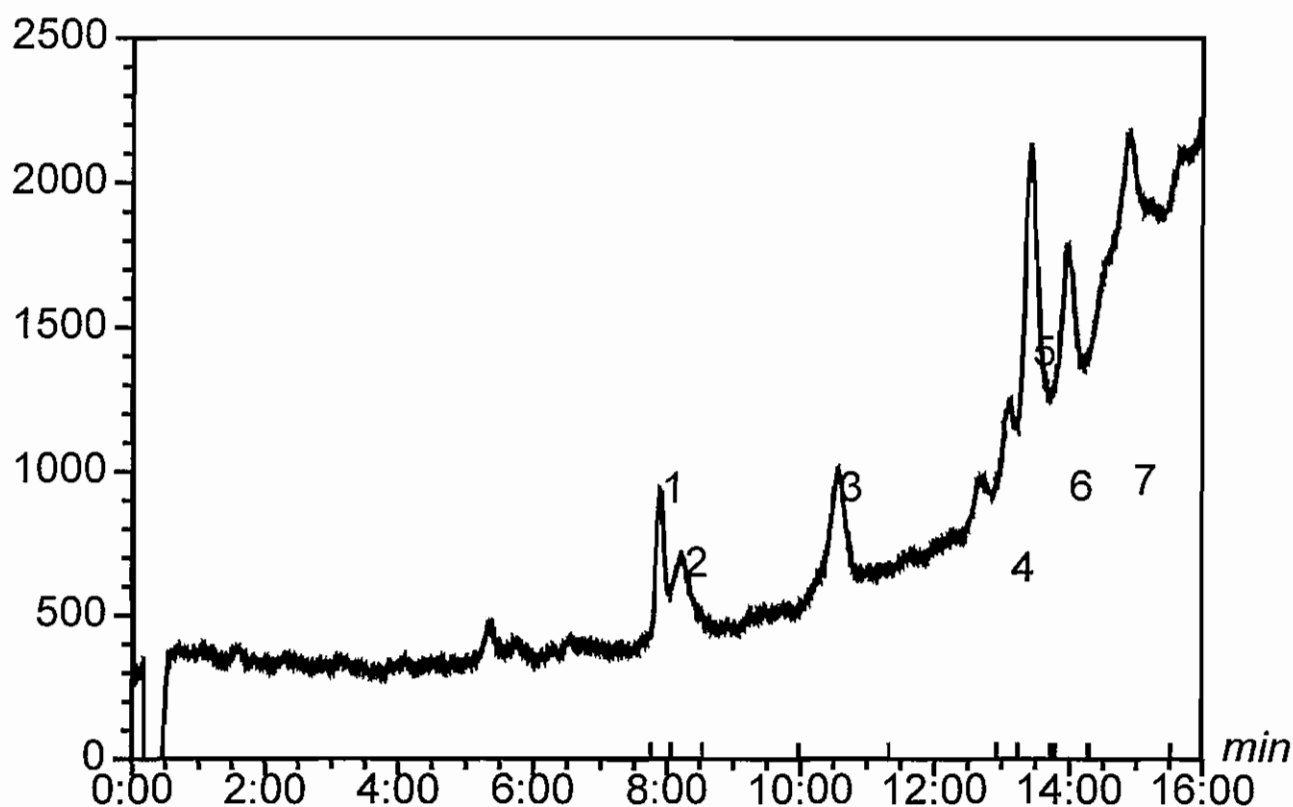
	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	4.731	199489	68117248	0:21
2	unknown		2603	13146480	5:17
3	unknown		3661	2516935	9:35
4	Carrier Gas Impurity	5.895	3525	14748866	11:06
4	Carrier Gas Impurity	5.895	3525	14748866	11:06
5	unknown		33221	42094202	11:37
6	Carrier Gas Impurity	11.204	16364	28029363	12:05
7	unknown		5557	18064340	13:51
8	unknown		20070	35840620	14:27
9	Carrier Gas impurity	17.276	27526	43220409	14:51



INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
s-alfg12 8-12 feet

Name	Conc	Height	Area	Time
1 p-xylene	0.576	527	199611	7:58
2 1,2,4-trimethylbenzene	2.286	482	349273	10:41
3 Carrier Gas Impurity	2.652	942	627637	13:32
4 unknown		741	706824	14:04
5 unknown		111	608731	15:02

'C:\WPEAK\TO142.JOB' Run #230 9/29/99 9:30PM

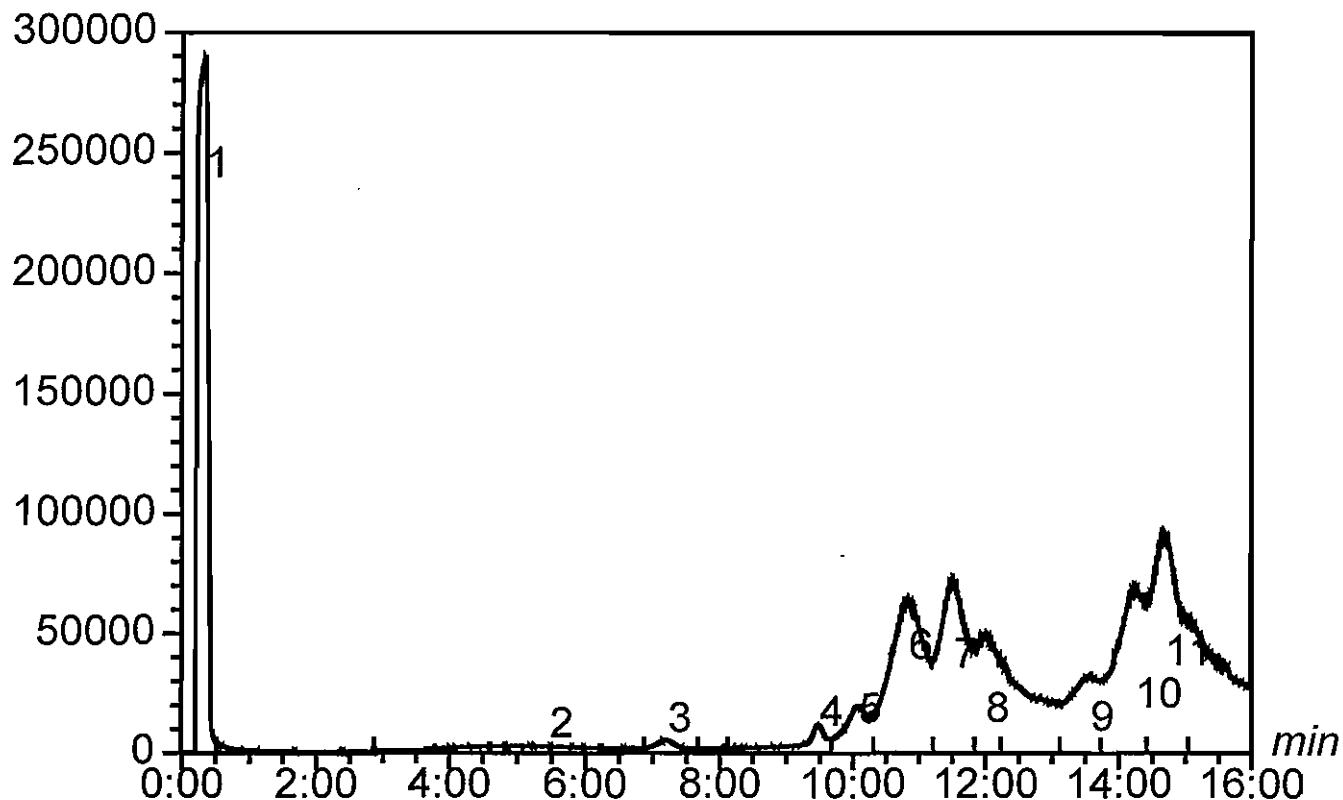


INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
s-alfgl2 4-8 feet

	Name	Conc	Height	Area	Time
1	p-xylene	0.371	398	128745	7:55
2	styrene	1.504	139	163576	8:17
3	1,2,4-trimethylbenzene	3.879	401	592670	10:35
4	unknown		122	288272	13:09
5	Carrier Gas Impurity	3.041	871	719715	13:27
6	unknown		405	676221	14:00
7	unknown		424	2114118	14:57

'C:\WPEAK\TO142.JOB' Run #230 9/29/99 9:30PM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	4.430	281072	63791201	0:19
2	1,2-dichlorotetrafluoroethane	0.009	183	195587	1:07
3	1,1,2-trichloro-1,2,2-trifluoroethane	0.028	470	306855	2:54
4	unknown		2361	12136524	5:10
5	unknown		4392	4966843	9:30
6	Carrier Gas Impurity	5.807	3606	14527255	11:01
6	Carrier Gas Impurity	5.807	3606	14527255	11:01
7	unknown		34221	42129602	11:31
8	Carrier Gas Impurity	11.123	15663	27826109	12:00
9	unknown		6428	18499500	13:46
10	unknown		17720	32723891	14:23
11	Carrier Gas impurity	15.439	25770	38623561	14:46

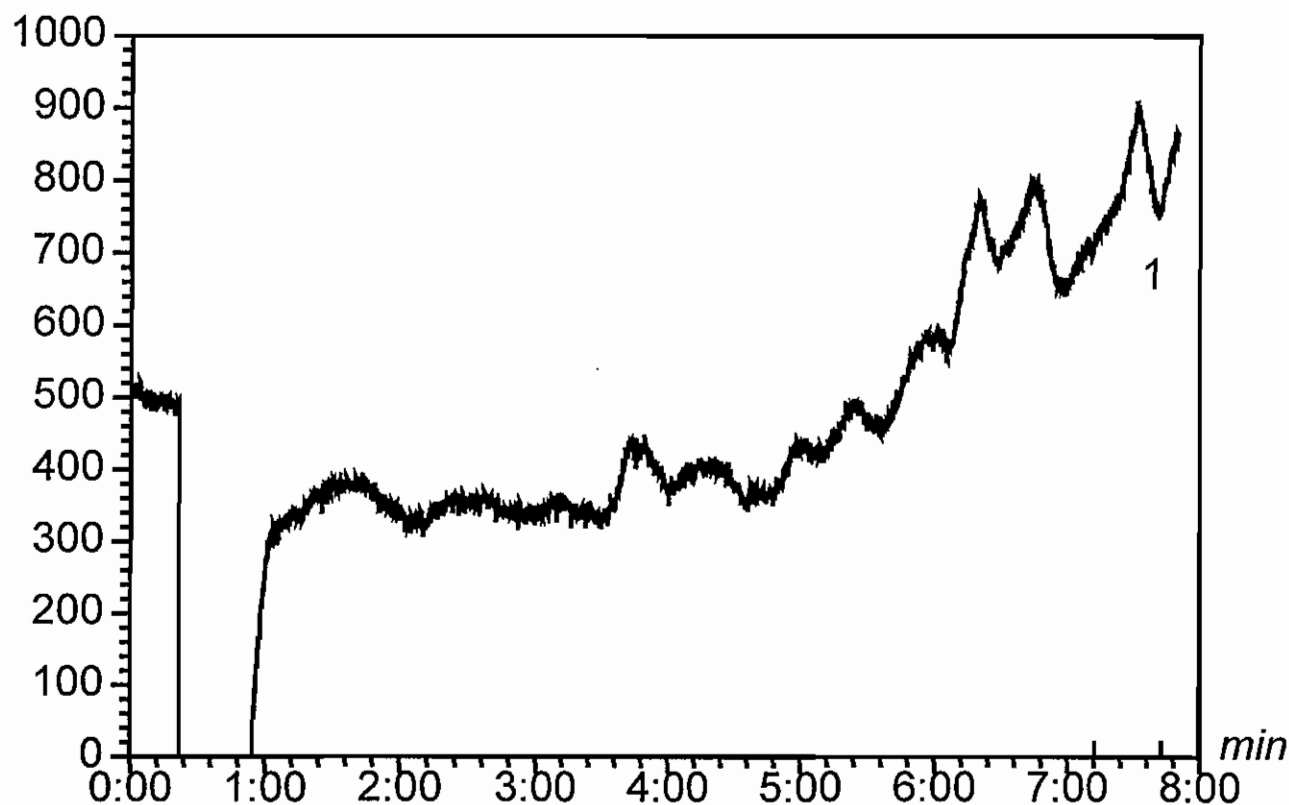


INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
 Oven Temp=50 Sample Time=0:20
 Syringe Inj=On Alarms=Off Paper Save=Off
 Cont. Pump=Off
 311 Plotter=Off 311 TWA=Off 311 STEL=Off
 311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
 Comment:
 s-alfgl20-4 feet rerun

Name	Conc	Height	Area	Time
1 dichlorodifluoromethane	4.261	234335	61352637	0:21
2 carbon tetrachloride	3.097	1161	7748124	5:29
3 1,1,2,2-tetrachloroethane	4.775	3216	2505458	7:14
4 unknown		5990	5841269	9:30
5 unknown		7153	9251100	10:06
6 Carrier Gas Impurity	17.967	33697	44949732	10:51
7 unknown		30240	39407656	11:32
8 Carrier Gas Impurity	8.331	7436	20842156	12:01
9 unknown		3958	18575251	13:35
10 unknown		13507	39316532	14:15
11 Carrier Gas impurity	20.995	31348	52523664	14:42

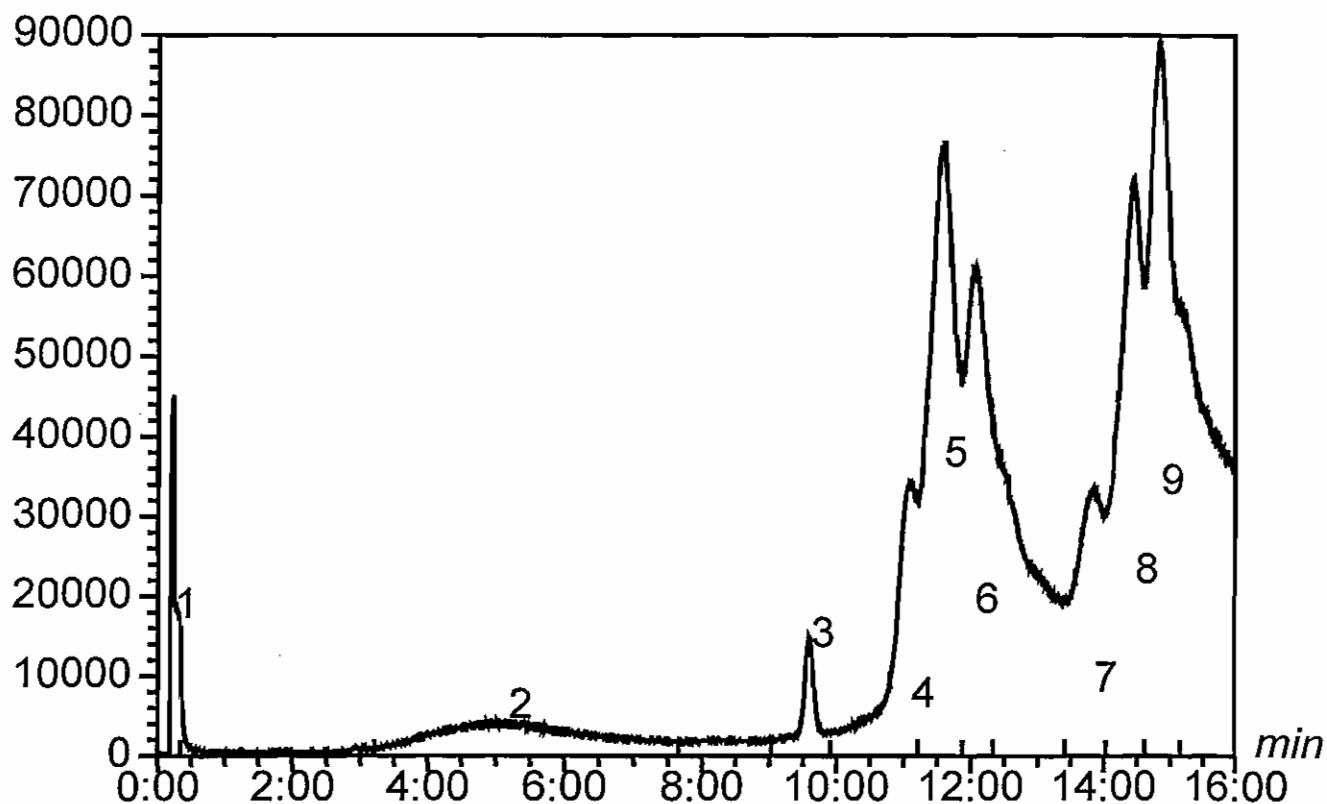
'C:\WPEAK\TO142.JOB' Run #229 9/29/99 9:02PM

	Name	Conc	Height	Area	Time
1	p-xylene	0.472	529	163675	7:55
2	styrene	1.219	153	132564	8:16
3	4-methyltoluene	5.951	474	533241	9:39
3	1,3,5-trimethylbenzene	5.951	474	533241	9:39
4	1,2,4-trimethylbenzene	1.913	429	292223	10:36
5	1,3-dichlorobenzene	4.725	389	455511	12:41
6	unknown		598	539205	13:11
7	Carrier Gas Impurity	1.646	145	389620	13:29
8	unknown		983	1025808	13:58
9	Carrier Gas Impurity	3.710	677	877992	14:30
10	unknown		147	672510	14:51
11	1,4-dichlorobenzene	0.827	147	1378179	15:41



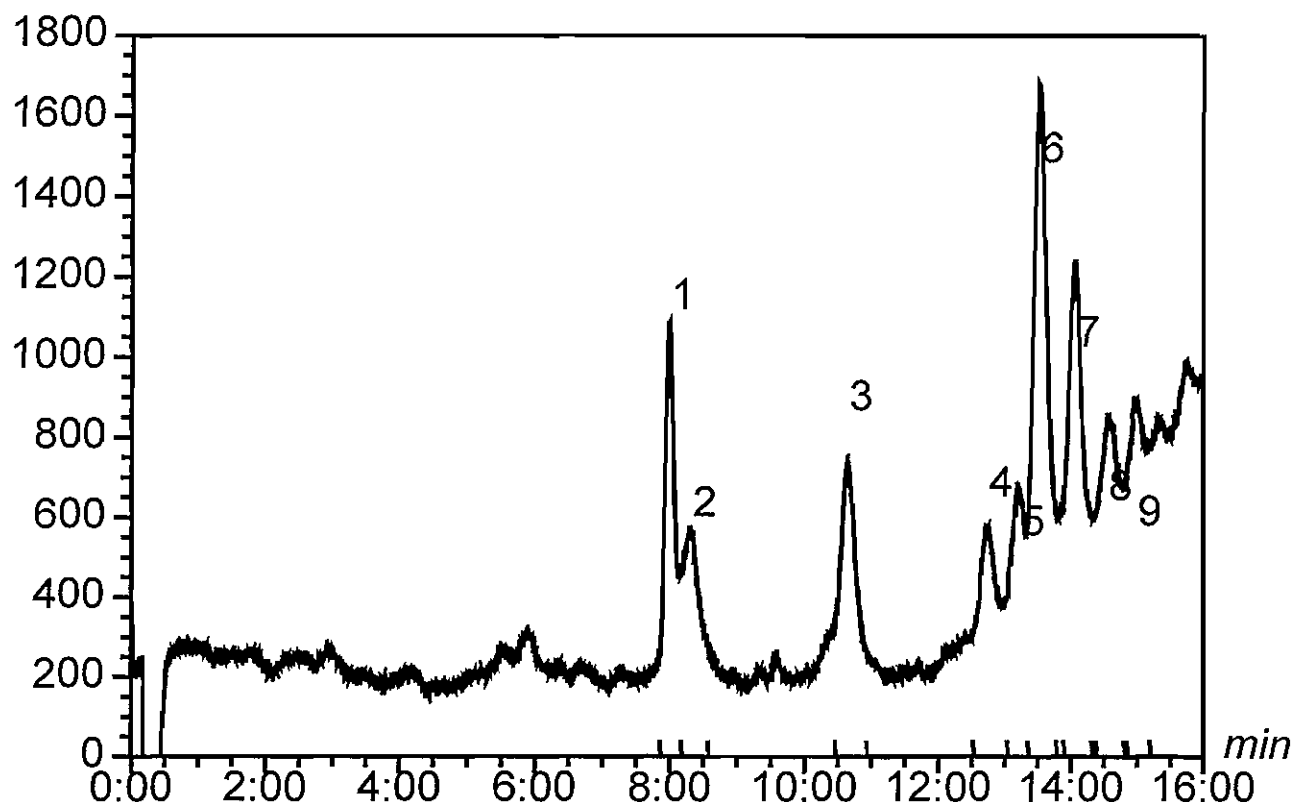
INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
 Oven Temp=50 Sample Time=0:20
 Syringe Inj=On Alarms=Off Paper Save=Off
 Cont. Pump=Off
 311 Plotter=Off 311 TWA=Off 311 STEL=Off
 311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
 Comment:
 s-alfg12-0-4 feet plugged injector port

	Name	Conc	Height	Area	Time
1	unknown		144	163105	7:33



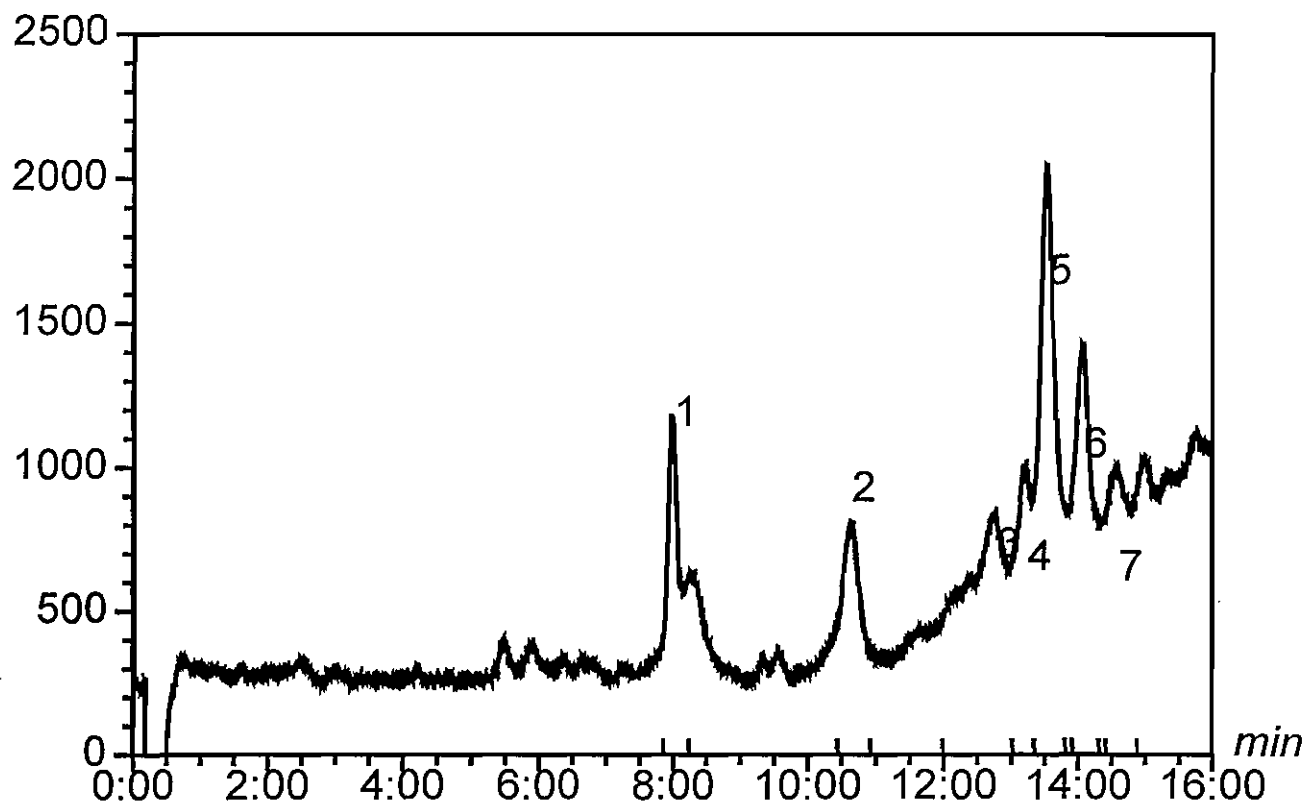
INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
 Oven Temp=50 Sample Time=0:20
 Syringe Inj=On Alarms=Off Paper Save=Off
 Cont. Pump=Off
 311 Plotter=Off 311 TWA=Off 311 STEL=Off
 311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
 Comment:
 s-alfgw2 8-12 feet 1.0 ml sample in 1000 ml N2

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	0.323	15283	4646643	0:15
2	unknown		2648	12397849	5:11
3	unknown		11658	4374783	9:37
4	Carrier Gas Impurity	5.955	4083	14898684	11:07
4	Carrier Gas Impurity	5.955	4083	14898684	11:07
5	unknown		34220	42166382	11:36
6	Carrier Gas Impurity	11.272	15868	28198392	12:05
7	unknown		6046	18698393	13:51
8	unknown		19602	35018942	14:28
9	Carrier Gas impurity	17.670	30760	44206376	14:51



INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
 Oven Temp=50 Sample Time=0:20
 Syringe Inj=On Alarms=Off Paper Save=Off
 Cont. Pump=Off
 311 Plotter=Off 311 TWA=Off 311 STEL=Off
 311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
 Comment:
 s-alfgw2 8-12 feet 1.0 ml sample in 1000 ml N2

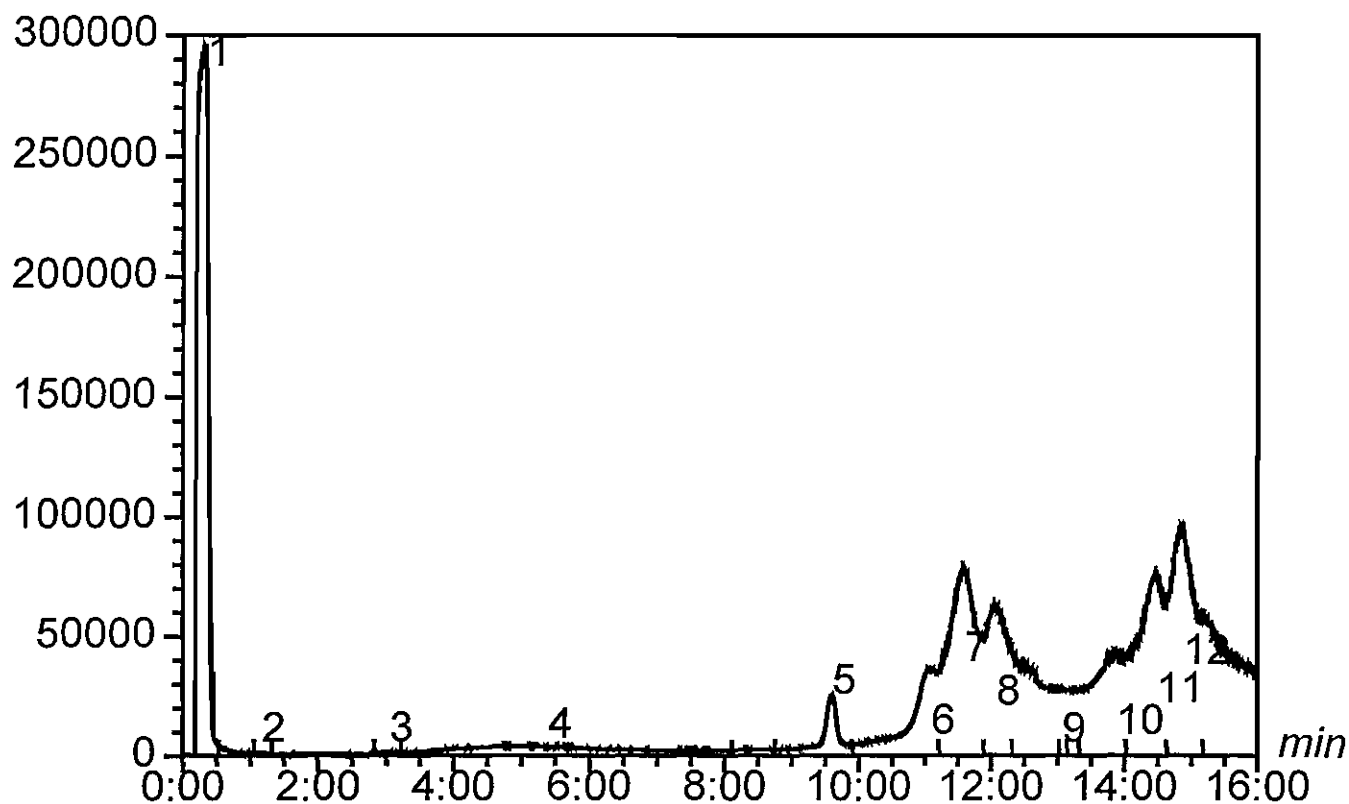
	Name	Conc	Height	Area	Time
1	p-xylene	0.427	675	148162	8:01
2	styrene	0.847	157	92086	8:21
3	1,2,4-trimethylbenzene	0.908	422	138664	10:40
4	1,3-dichlorobenzene	1.170	206	112815	12:46
5	unknown		109	115102	13:15
6	Carrier Gas Impurity	1.773	1038	419538	13:33
7	unknown		580	313839	14:05
8	Carrier Gas Impurity	1.027	198	242994	14:34
9	unknown		133	229257	15:00



INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
 Oven Temp=50 Sample Time=0:20
 Syringe Inj=On Alarms=Off Paper Save=Off
 Cont. Pump=Off
 311 Plotter=Off 311 TWA=Off 311 STEL=Off
 311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
 Comment:
 s-alfgw2 4-8 feet

Name	Conc	Height	Area	Time
1 p-xylene	0.610	641	211419	8:01
2 1,2,4-trimethylbenzene	1.169	379	178611	10:39
3 1,3-dichlorobenzene	4.376	184	421877	12:47
4 unknown		141	218834	13:15
5 Carrier Gas Impurity	2.515	1130	595253	13:33
6 unknown		531	384380	14:05
7 Carrier Gas Impurity	1.437	106	340177	14:36

'C:\WPEAK\TO142.JOB' Run #226 9/29/99 7:45PM



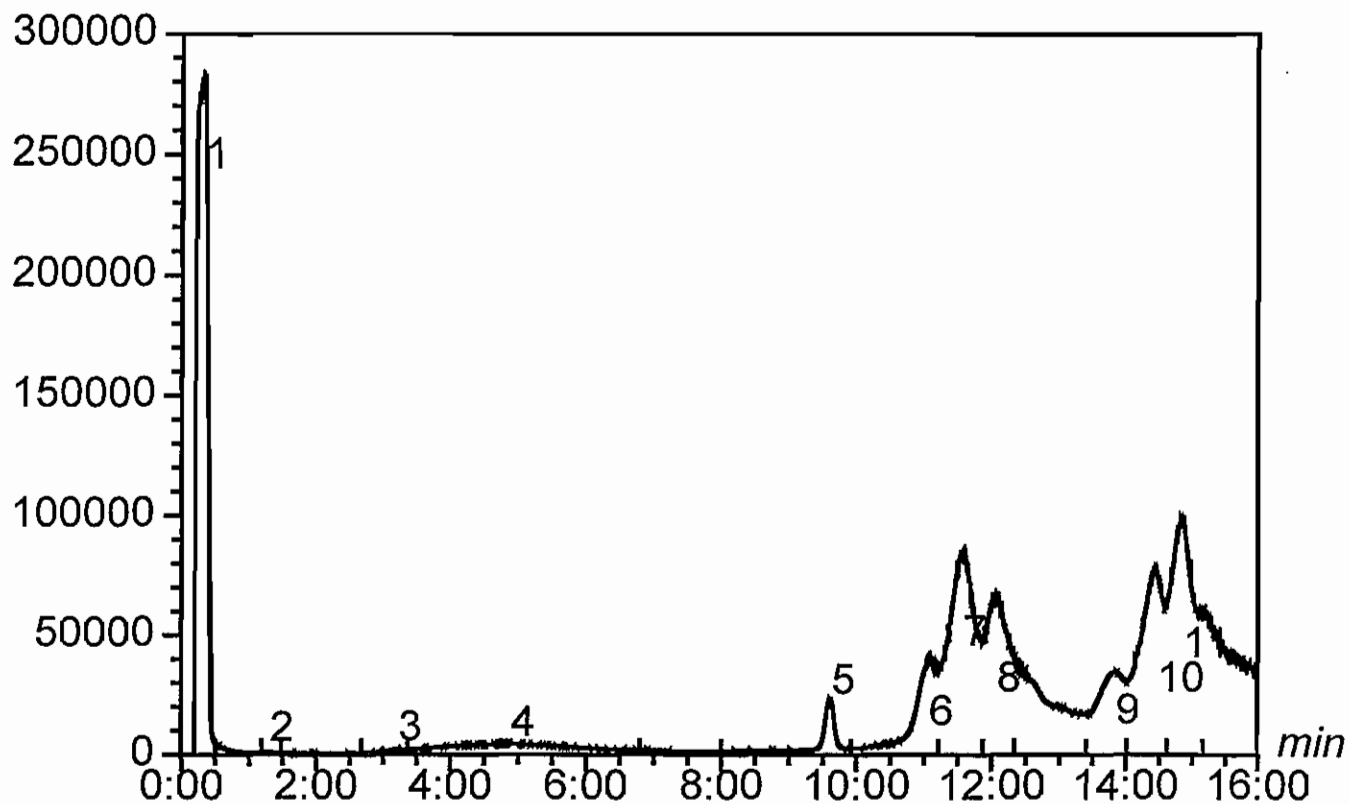
INJ/DET Temp=180
Oven Temp=50
Syringe Inj=On
Cont. Pump=Off
311 Plotter=Off
311 TWA Cycle=1
Comment:
s-alfgw2□□4-8 feet

Analysis time=16:00 Inject Time=0:10
Sample Time=0:20
Alarms=Off Paper Save=Off
311 TWA=Off 311 STEL=Off
Calibration Cycle=0 Repeat Cycle=1

'C:\WPEAK\TO142.JOB' Run #226 9/29/99 7:45PM

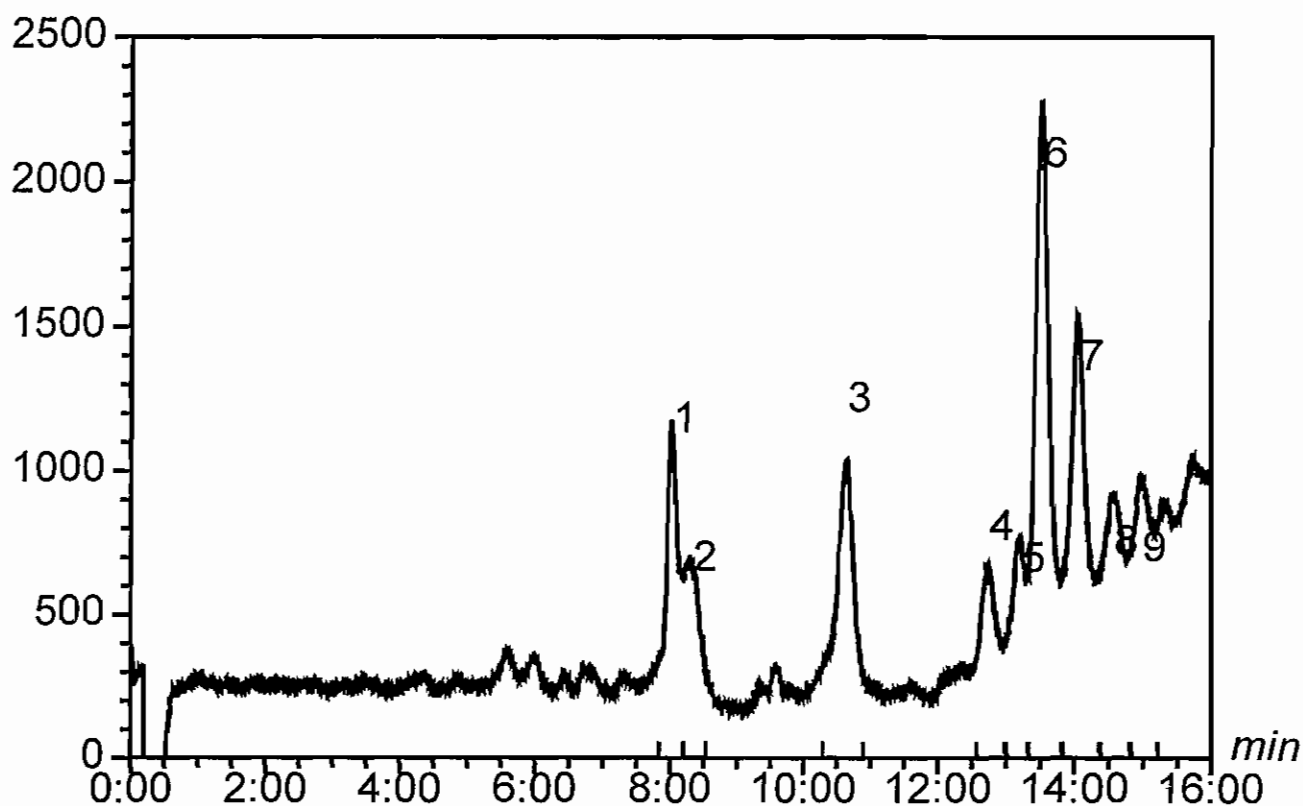
	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	4.622	289914	66552138	0:20
2	1,2-dichlorotetrafluoroethane	0.011	305	241866	1:10
3	1,1,2-trichloro-1,2,2-trifluoroethane	0.034	344	377365	3:03
4	unknown		1995	13509118	5:24
5	unknown		20549	8271203	9:36
6	Carrier Gas Impurity	7.756	3600	19403247	11:06
6	Carrier Gas Impurity	7.756	3600	19403247	11:06
7	unknown		34187	44704902	11:36
8	Carrier Gas Impurity	10.781	15705	26971680	12:05
9	unknown		144	4240770	13:04
10	unknown		3626	27367000	13:53
11	unknown		17074	40339302	14:28
12	Carrier Gas impurity	18.492	32955	46261326	14:52

'C:\WPEAK\TO142.JOB' Run #225 9/29/99 7:17PM



INJ/DET Temp=180
Oven Temp=50
Syringe Inj=On
Cont. Pump=Off
311 Plotter=Off
311 TWA Cycle=1
Comment:
s-alfgw2□□0-4 feet

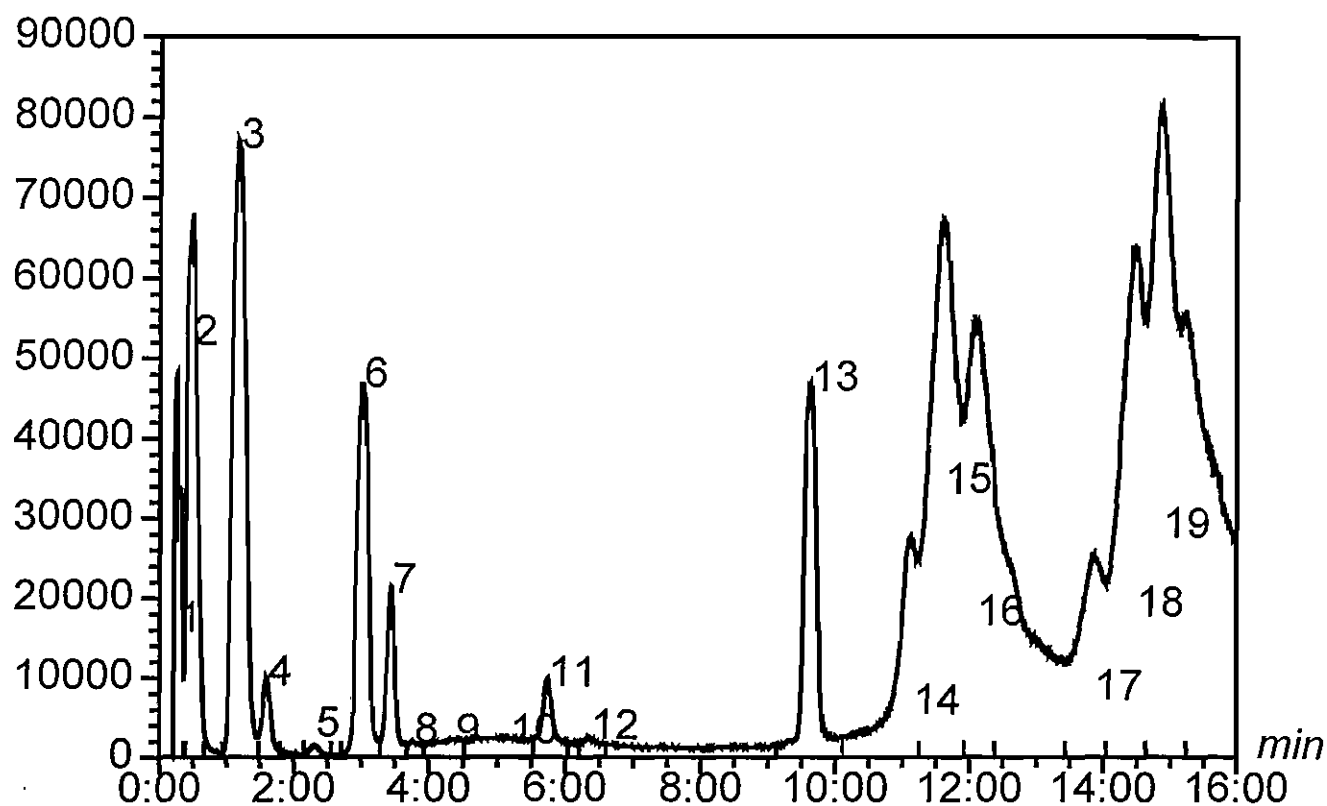
Analysis time=16:00 Inject Time=0:10
Sample Time=0:20
Alarms=Off Paper Save=Off
311 TWA=Off 311 STEL=Off
Calibration Cycle=0 Repeat Cycle=1



INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
 Oven Temp=50 Sample Time=0:20
 Syringe Inj=On Alarms=Off Paper Save=Off
 Cont. Pump=Off
 311 Plotter=Off 311 TWA=Off 311 STEL=Off
 311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
 Comment:
 s-alfgw2 0-4 feet

	Name	Conc	Height	Area	Time
1	p-xylene	0.499	649	173155	8:03
2	styrene	0.952	169	103545	8:21
3	1,2,4-trimethylbenzene	1.365	724	208571	10:39
4	1,3-dichlorobenzene	1.026	277	98958	12:45
5	unknown		167	114812	13:14
6	Carrier Gas Impurity	2.363	1568	559254	13:33
7	unknown		868	398099	14:04
8	Carrier Gas Impurity	1.018	225	241002	14:34
9	unknown		205	251212	14:59

'C:\WPEAK\TO142.JOB' Run #224 9/29/99 6:36PM



INJ/DET Temp=180

Oven Temp=50

Syringe Inj=On

Cont. Pump=Off

311 Plotter=Off

311 TWA Cycle=1

Comment:

calibration 0.20 ppm TO-14

Analysis time=16:00

Sample Time=0:20

Alarms=Off

311 TWA=Off

Calibration Cycle=0

Inject Time=0:10

Paper Save=Off

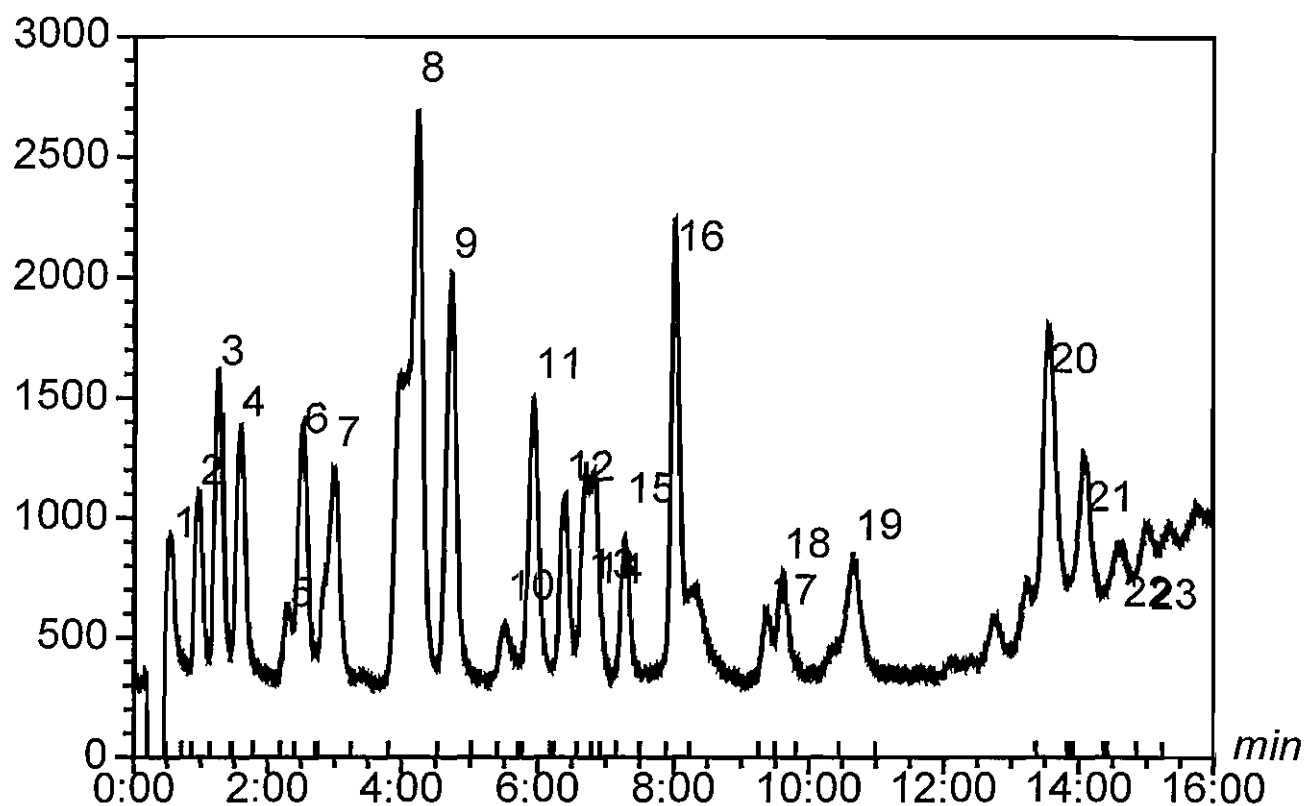
311 STEL=Off

Repeat Cycle=1

'C:\WPEAK\TO142.JOB' Run #224 9/29/99 6:36PM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	0.379	14266	5690877	0:16
2	dichlorodifluoromethane	0.959	50152	14398563	0:30
2	chloromethane	0.959	50152	14398563	0:30
3	1,2-dichlorotetrafluoroethane	0.949	74539	21099225	1:12
4	chloroethane	1.036	7547	1803052	1:37
5	trichlorofluoromethane	1.251	1053	339971	2:20
6	1,1,2-trichloro-1,2,2-trifluoroethane	0.970	44790	11127550	3:02
7	1,1-dichloroethane	0.964	19117	3708597	3:27
8	chloroform	1.360	228	452794	3:48
9	1,1,1-trichloroethane	2.202	202	1220424	4:24
10	unknown		148	2571696	5:11
11	carbon tetrachloride	1.215	7383	2501734	5:45
12	1,2-dichloropropane	1.249	708	874866	6:23
13	unknown		44332	12981428	9:39
14	Carrier Gas Impurity	5.364	3908	11047080	11:09
14	Carrier Gas Impurity	5.364	3908	11047080	11:09
15	unknown		31586	37908318	11:38
16	Carrier Gas Impurity	12.319	15089	25369525	12:07
17	unknown		5702	13131034	13:53
18	unknown		16164	30138389	14:30
19	Carrier Gas impurity	21.878	26042	45055976	14:53

'C:\WPEAK\TO142.JOB' Run #224 9/29/99 6:36PM

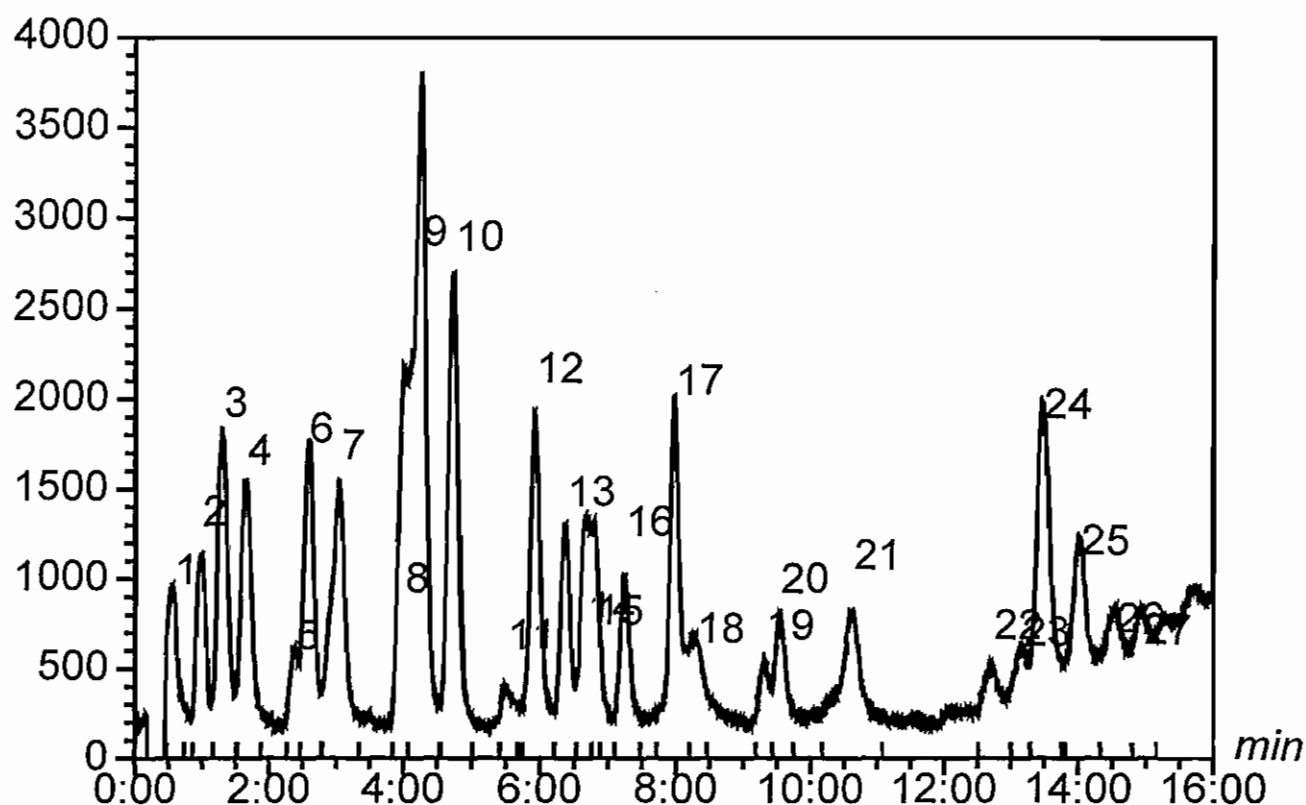


INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
callibration 0.20 ppm TO-14

'C:\WPEAK\TO142.JOB' Run #224 9/29/99 6:36PM

	Name	Conc	Height	Area	Time
1	vinyl chloride	0.686	397	92509	0:35
2	bromomethane	0.744	616	128749	1:00
3	1,1-dichloroethene	0.698	1115	223980	1:17
4	methylene chloride	0.694	901	191717	1:36
5	3-chloropropene	0.777	107	46819	2:20
6	cis-1,2-dichloroethene	0.661	832	199370	2:33
7	benzene	0.659	775	231730	3:01
8	trans-1,3-dichloropropene	0.930	2288	831629	4:15
9	toluene	0.689	1556	340564	4:45
10	unknown		135	46867	5:33
11	1,2-dibromoethane	0.697	1060	236664	5:57
12	tetrachloroethene	0.710	632	143070	6:25
12	chlorobenzene	0.710	632	143070	6:25
13	chlorobenzene	0.723	223	145860	6:44
13	ethylbenzene	1.040	223	145860	6:44
14	ethylbenzene	0.790	205	110785	6:51
15	m-xylene	0.705	542	102816	7:18
16	p-xylene	1.003	1589	346779	8:03
17	4-methyltoluene	0.407	119	46513	9:25
18	4-methyltoluene	0.784	310	89605	9:38
18	1,3,5-trimethylbenzene	0.055	310	89605	9:38
19	1,2,4-trimethylbenzene	0.727	388	152781	10:42
20	Carrier Gas Impurity	1.326	1083	450190	13:34
21	unknown		505	311661	14:06
22	Carrier Gas Impurity	0.650	111	220735	14:39
23	unknown		100	238680	15:03

'C:\WPEAK\TO142.JOB' Run #223 9/29/99 6:08PM



INJ/DET Temp=180

Oven Temp=50

Syringe Inj=On

Cont. Pump=Off

311 Plotter=Off

311 TWA Cycle=1

Comment:

calibration 0.30 ppm TO-14

Analysis time=16:00

Sample Time=0:20

Alarms=Off

311 TWA=Off

Calibration Cycle=0

Inject Time=0:10

Paper Save=Off

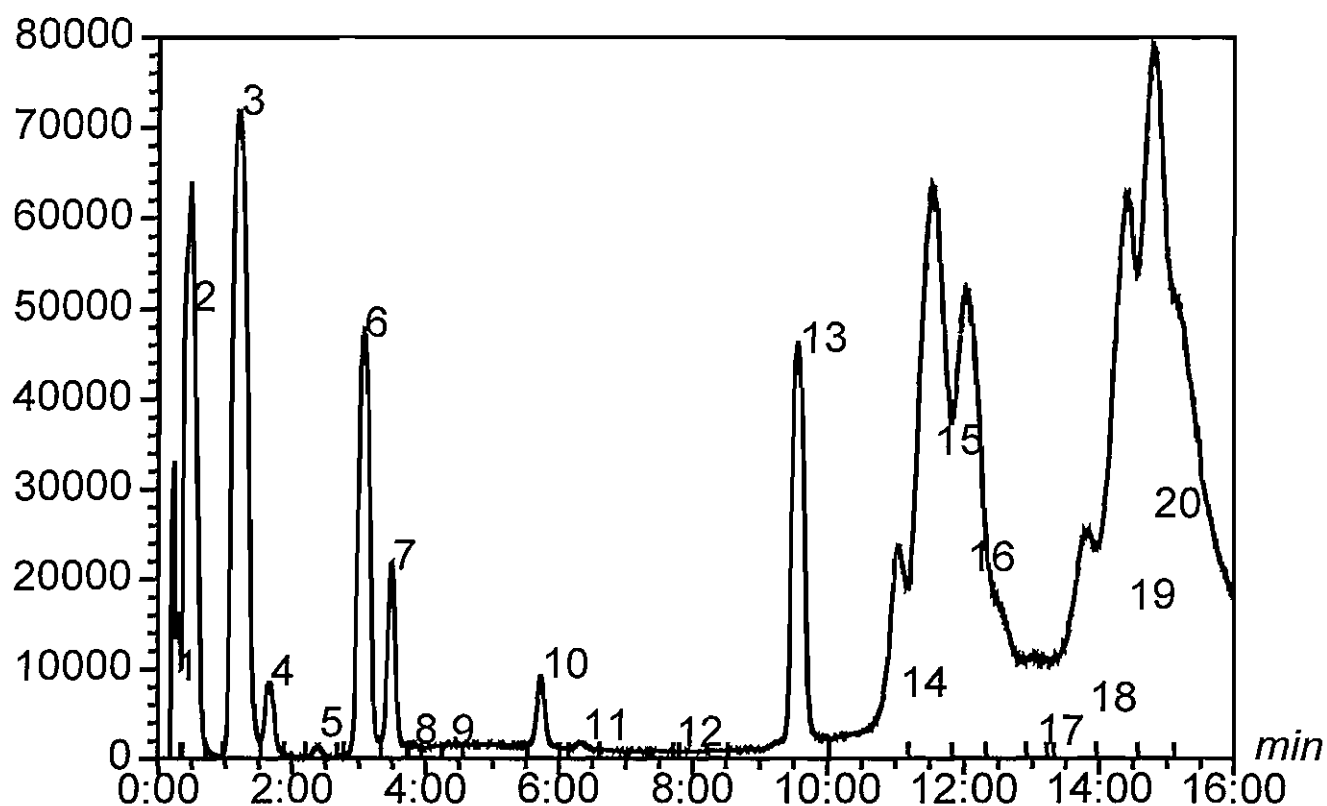
311 STEL=Off

Repeat Cycle=1

'C:\WPEAK\TO142.JOB' Run #223 9/29/99 6:08PM

	Name	Conc	Height	Area	Time
1	vinyl chloride	0.303	476	134788	0:35
2	bromomethane	0.335	800	172940	1:00
3	1,1-dichloroethene	0.335	1405	320824	1:19
4	methylene chloride	0.316	1143	276060	1:41
5	3-chloropropene	0.060	112	60263	2:24
5	cis-1,2-dichloroethene	0.060	112	60263	2:24
6	cis-1,2-dichloroethene	0.303	1260	301722	2:36
7	benzene	0.296	1169	351653	3:04
8	cis-1,3-dichloropropene	0.309	430	318490	4:02
8	trans-1,3-dichloropropene	0.095	430	318490	4:02
9	trans-1,3-dichloropropene	0.266	2351	894615	4:17
10	toluene	0.251	2324	494068	4:45
11	unknown		114	33583	5:32
12	1,2-dibromoethane	0.249	1595	339450	5:57
13	tetrachloroethene	0.218	911	201635	6:24
14	chlorobenzene	0.291	265	201639	6:42
14	ethylbenzene	0.291	265	201639	6:42
15	ethylbenzene	0.202	249	140300	6:49
16	m-xylene	0.207	746	145860	7:16
17	p-xylene	1.150	1530	345717	8:00
18	styrene	0.092	149	108763	8:19
19	o-xylene	0.165	169	53297	9:21
19	4-methyltoluene	0.077	169	53297	9:21
20	4-methyltoluene	0.166	427	114232	9:34
21	1,2,4-trimethylbenzene	4.235	556	210085	10:39
22	1,3-dichlorobenzene	0.277	169	96410	12:45
23	unknown		130	101403	13:11
24	Carrier Gas Impurity	0.368	1395	501535	13:30
25	unknown		638	337812	14:03
26	Carrier Gas Impurity	0.183	209	248926	14:34
27	unknown		142	207172	14:58

'C:\WPEAK\TO142.JOB' Run #223 9/29/99 6:08PM



INJ/DET Temp=180

Oven Temp=50

Syringe Inj=On

Cont. Pump=Off

311 Plotter=Off

311 TWA Cycle=1

Comment:

callibration 0.30 ppm TO-14

Analysis time=16:00

Sample Time=0:20

Alarms=Off

311 TWA=Off

Calibration Cycle=0

Inject Time=0:10

Paper Save=Off

311 STEL=Off

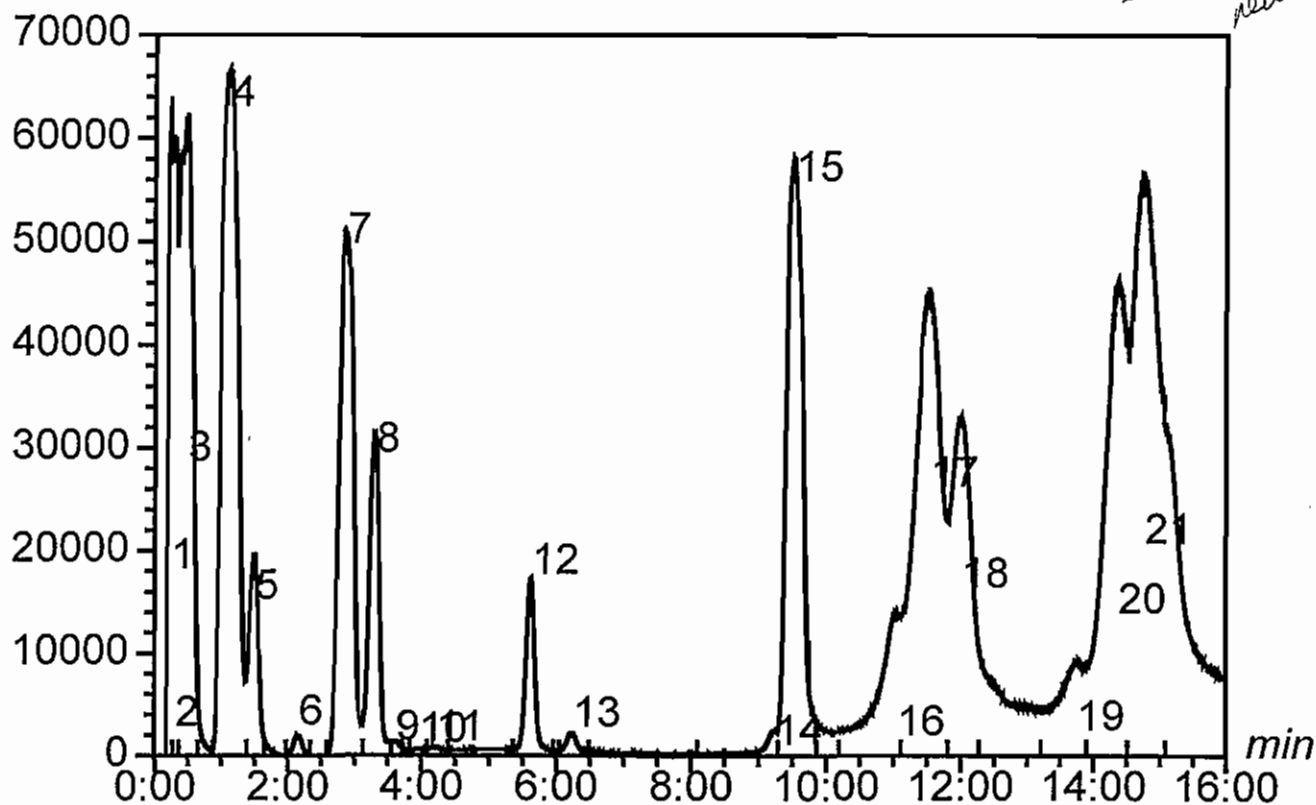
Repeat Cycle=1

'C:\WPEAK\TO142.JOB' Run #223 9/29/99 6:08PM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	0.215	7423	3357330	0:15
2	dichlorodifluoromethane	0.962	48447	15007956	0:30
2	chloromethane	0.962	48447	15007956	0:30
3	1,2-dichlorotetrafluoroethane	0.985	70074	22226789	1:13
4	chloroethane	0.462	6825	1740286	1:41
5	trichlorofluoromethane	0.753	1113	271813	2:24
6	1,1,2-trichloro-1,2,2-trifluoroethane	0.770	45534	11475322	3:05
7	1,1-dichloroethane	0.584	19636	3847904	3:30
8	chloroform	1.477	250	332885	3:50
9	1,1,1-trichloroethane	2.284	209	554205	4:23
10	carbon tetrachloride	0.629	7655	2059453	5:45
11	1,2-dichloropropane	1.256	777	700575	6:21
12	unknown		-1	85409	7:45
13	unknown		43871	13382475	9:35
14	Carrier Gas Impurity	2.958	5578	9690141	11:04
14	Carrier Gas Impurity	2.958	5578	9690141	11:04
15	unknown		32465	33801199	11:34
16	Carrier Gas Impurity	7.425	19545	24324691	12:03
17	unknown		190	3722280	13:04
18	unknown		3884	13183950	13:51
19	unknown		15343	31207632	14:25
20	Carrier Gas impurity	12.418	25516	40683956	14:48

'C:\WPEAK\TO142.JOB' Run #222 9/29/99 5:38PM

Burn in prior to
run 200°C for 4 hrs.
new septa



INJ/DET Temp=180

Oven Temp=50

Syringe Inj=On

Cont. Pump=Off

311 Plotter=Off

311 TWA Cycle=1

Comment:

calibration 1.0 ppm TO-14

Analysis time=16:00

Sample Time=0:20

Alarms=Off

311 TWA=Off

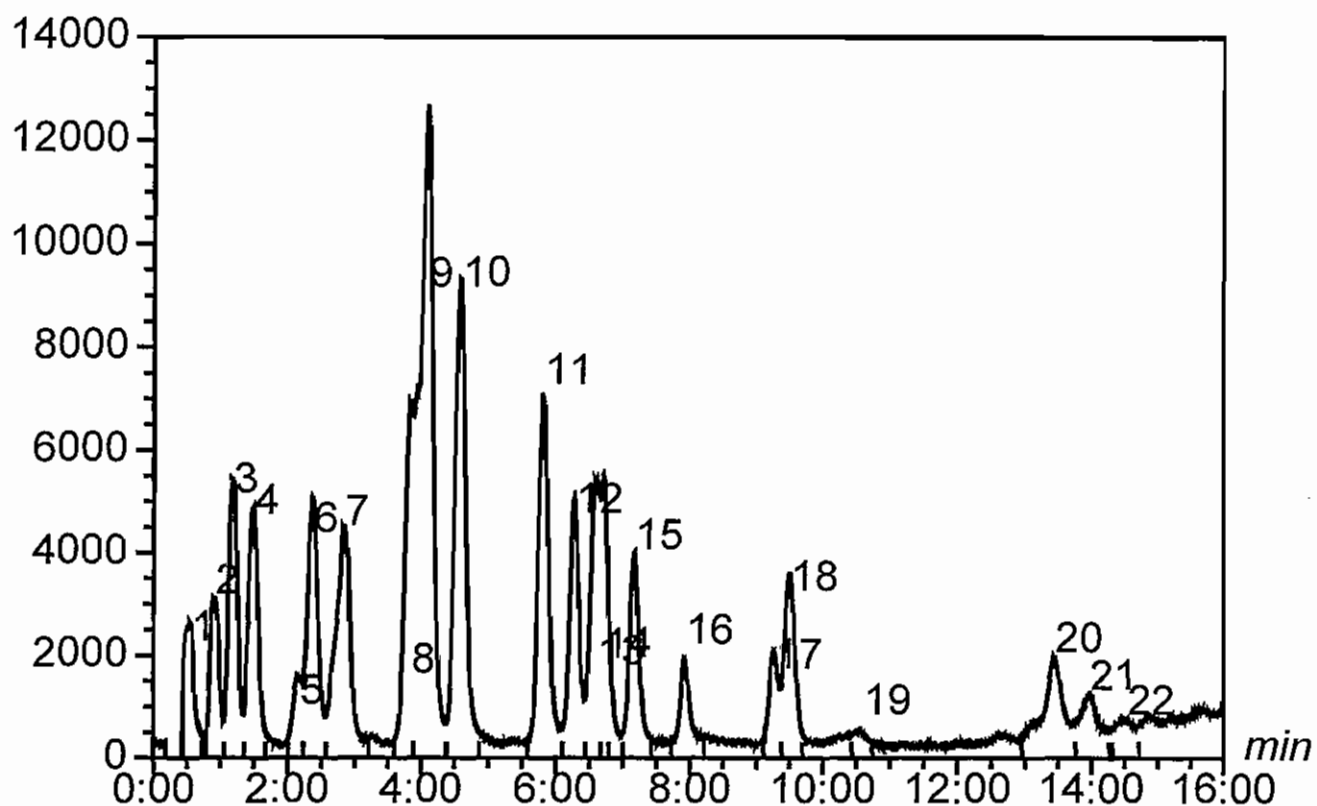
Calibration Cycle=0

Inject Time=0:10

Paper Save=Off

311 STEL=Off

Repeat Cycle=1

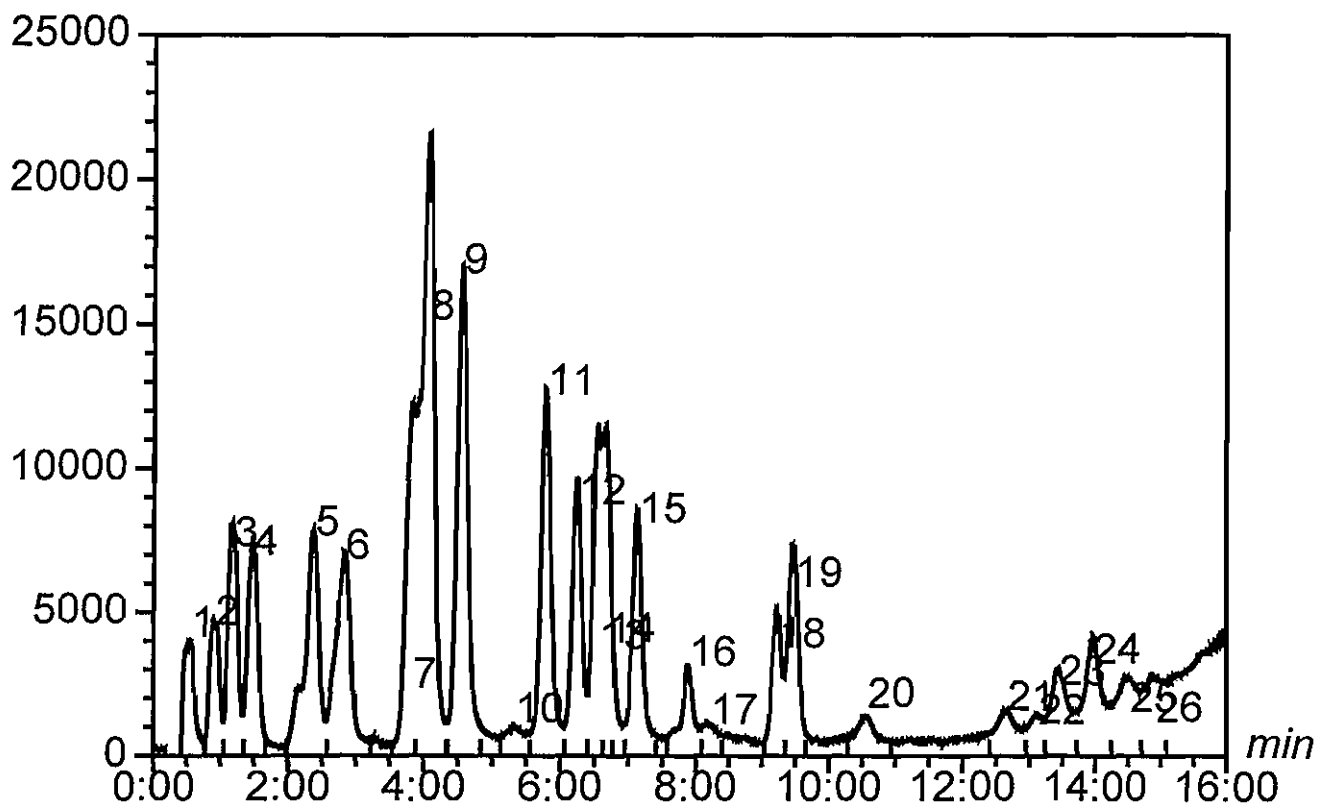


INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
calibration 1.0 ppm TO-14

'C:\WPEAK\TO142.JOB' Run #222 9/29/99 5:38PM .

	Name	Conc	Height	Area	Time
1	vinyl chloride	2.984	1539	445577	0:34
2	bromomethane	2.871	2456	516880	0:56
3	1,1-dichloroethene	3.129	4429	957477	1:12
4	methylene chloride	3.154	3998	874920	1:30
5	3-chloropropene	2.985	302	211911	2:11
6	3-chloropropene	14.031	3660	996208	2:24
6	cis-1,2-dichloroethene	3.472	3660	996208	2:24
7	benzene	3.392	3790	1188330	2:51
8	cis-1,3-dichloropropene	2.842	904	1030006	3:51
9	trans-1,3-dichloropropene	3.992	8413	3358929	4:06
10	toluene	3.644	8429	1964937	4:36
11	1,2-dibromoethane	3.577	6538	1363647	5:50
12	tetrachloroethene	3.707	4042	923137	6:18
13	chlorobenzene	3.229	1066	889539	6:37
13	ethylbenzene	4.309	1066	889539	6:37
14	chlorobenzene	2.517	1221	693495	6:43
14	ethylbenzene	3.359	1221	693495	6:43
15	m-xylene	2.970	3331	705950	7:12
16	p-xylene	0.721	1486	300499	7:57
17	o-xylene	2.325	1004	323017	9:17
18	4-methyltoluene	3.903	2532	688035	9:31
19	1,2,4-trimethylbenzene	0.109	120	49612	10:36
20	Carrier Gas Impurity	1.578	1327	601435	13:27
21	unknown		596	317030	13:59
22	Carrier Gas Impurity	0.412	103	157204	14:33

'C:\WPEAK\TO142.JOB' Run #221 9/28/99 9:55PM



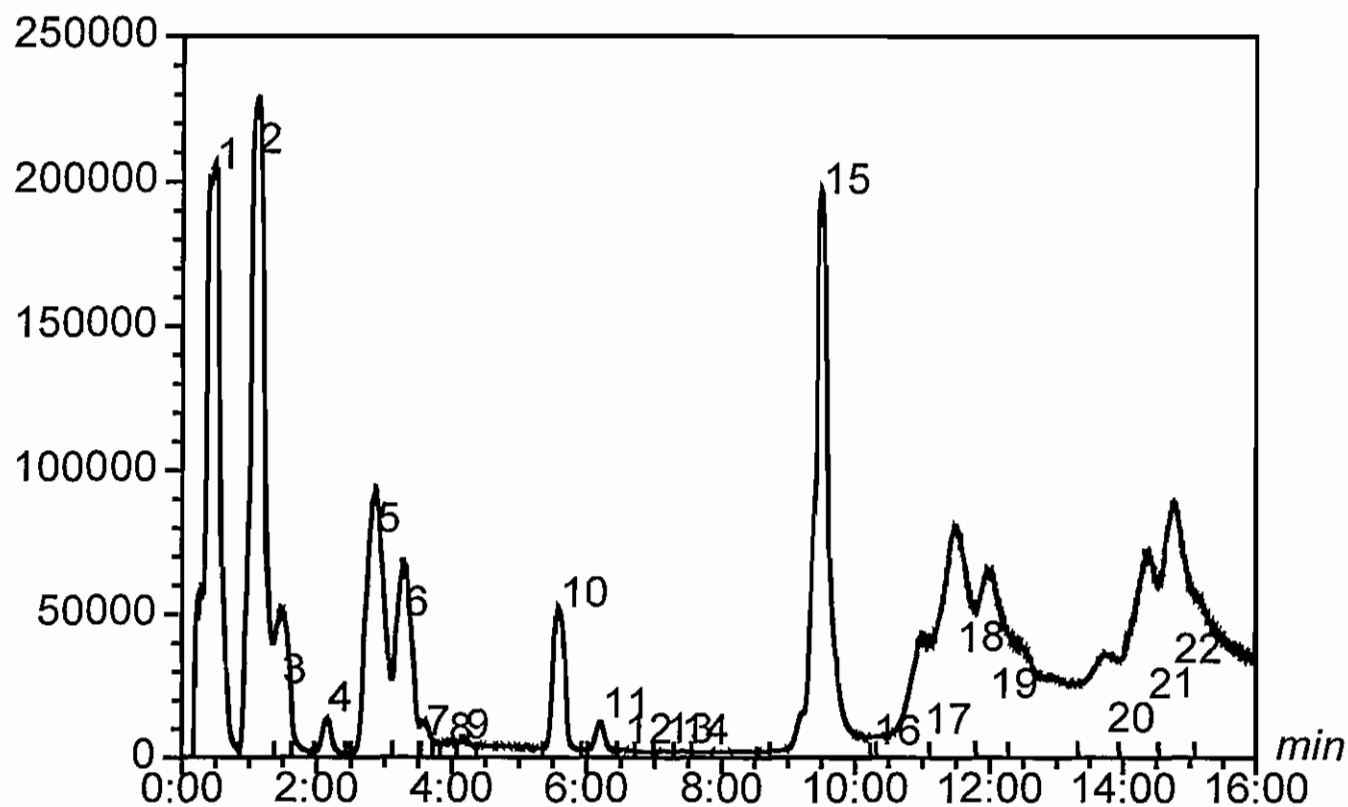
INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
midpoint calibration ☐ 1.0 ppm TO-14

Cal. OK
Should do burn in
+ change septa in AM

'C:\WPEAK\TO142.JOB' Run #221 9/28/99 9:55PM

	Name	Conc	Height	Area	Time
1	vinyl chloride	5.358	3226	800208	0:34
2	bromomethane	4.860	3627	874857	0:56
3	1,1-dichloroethene	5.222	6379	1598022	1:12
4	methylene chloride	5.308	6071	1472445	1:30
5	3-chloropropene	28.966	6758	2056641	2:23
5	cis-1,2-dichloroethene	7.167	6758	2056641	2:23
6	benzene	5.831	5920	2042398	2:51
7	cis-1,3-dichloropropene	5.434	1450	1969837	3:51
8	cis-1,3-dichloropropene	15.892	14228	5760343	4:05
8	trans-1,3-dichloropropene	6.847	14228	5760343	4:05
9	toluene	6.925	15832	3734187	4:34
10	unknown		254	257802	5:21
11	1,2-dibromoethane	6.889	11648	2626310	5:48
12	tetrachloroethene	7.469	7851	1859664	6:15
13	chlorobenzene	6.912	2787	1904142	6:34
13	ethylbenzene	9.223	2787	1904142	6:34
14	chlorobenzene	6.081	3043	1675260	6:42
14	ethylbenzene	8.115	3043	1675260	6:42
15	m-xylene	7.204	7214	1712354	7:09
16	p-xylene	1.627	2226	678704	7:54
17	styrene	0.722	215	239317	8:14
18	o-xylene	6.550	2872	909895	9:15
19	4-methyltoluene	8.348	4998	1471532	9:30
20	1,2,4-trimethylbenzene	0.913	775	416432	10:35
21	1,3-dichlorobenzene	1.492	681	518740	12:40
22	unknown		202	309832	13:09
23	Carrier Gas Impurity	2.515	1561	958638	13:27
24	unknown		2328	1340790	13:59
25	Carrier Gas Impurity	2.799	621	1066964	14:32
26	unknown		274	986995	14:56

'C:\WPEAK\TO142.JOB' Run #221 9/28/99 9:55PM

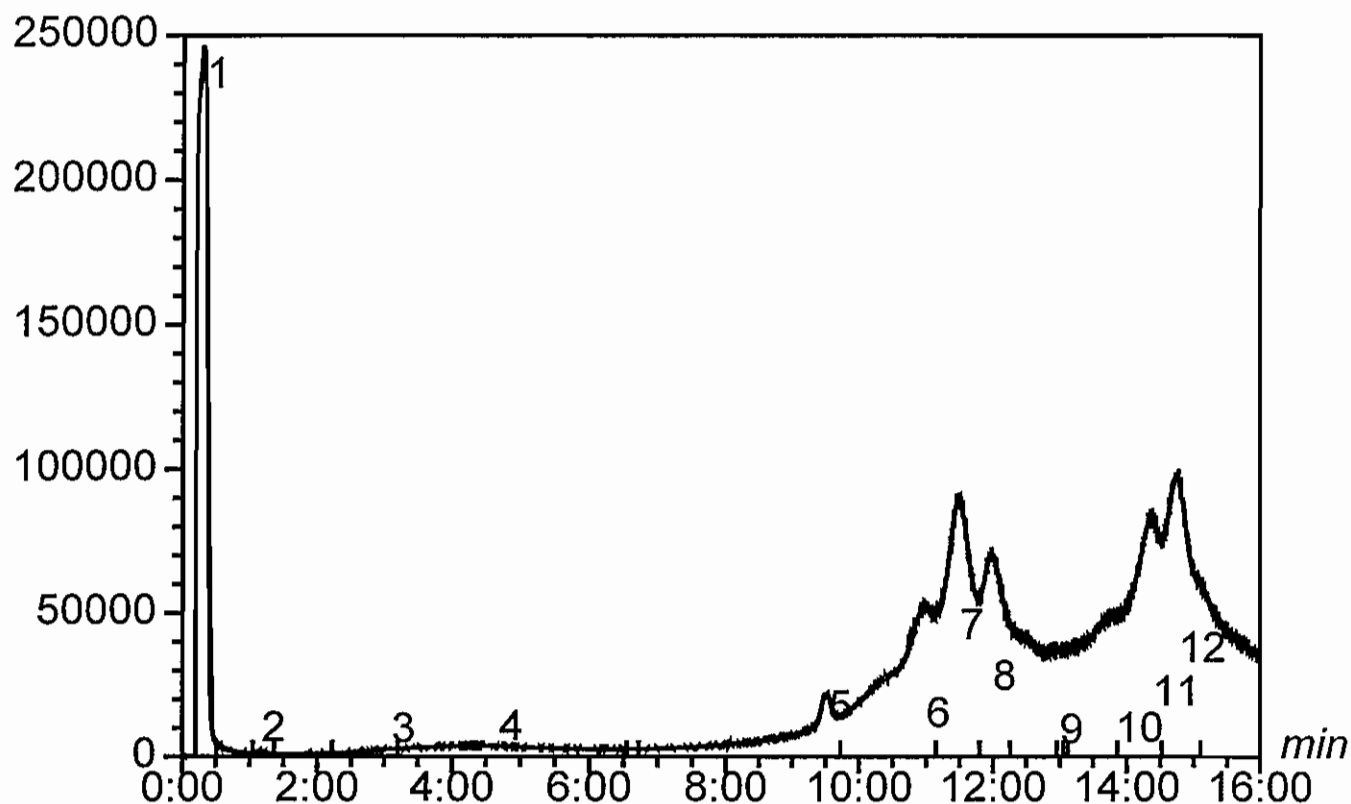


INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
midpoint calibration 1.0 ppm TO-14

'C:\WPEAK\TO142.JOB' Run #221 9/28/99 9:55PM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	5.047	199728	66135165	0:30
1	chloromethane	5.047	199728	66135165	0:30
2	1,2-dichlorotetrafluoroethane	3.502	205107	67489416	1:07
3	chloroethane	8.800	21059	13197177	1:30
4	unknown		11468	2823977	2:10
5	1,1,2-trichloro-1,2,2-trifluoroethane				
		3.078	73603	32944736	2:52
6	1,1-dichloroethane	5.341	44587	21243592	3:18
7	chloroform	3.468	3063	2145663	3:37
8	1,2-dichloroethane	1.935	647	1307450	3:57
9	1,2-dichloroethane	2.498	1926	1687306	4:12
9	1,1,1-trichloroethane	2.094	1926	1687306	4:12
10	carbon tetrachloride	7.130	47964	13438949	5:36
11	1,2-dichloropropane	3.507	9305	2770532	6:14
12	1,1,2-trichloroethane	0.805	551	691390	6:34
13	1,1,2,2-tetrachloroethane	1.556	464	614919	7:10
14	unknown		241	533898	7:24
15	unknown		191149	62222848	9:30
16	Carrier Gas Impurity	0.357	-23	672174	10:17
17	Carrier Gas Impurity	9.165	4026	17274634	11:02
17	Carrier Gas Impurity	9.165	4026	17274634	11:02
18	unknown		32560	47129008	11:31
19	Carrier Gas Impurity	16.707	16316	31491800	12:00
20	unknown		4457	22016932	13:46
21	unknown		16489	35765680	14:23
22	Carrier Gas impurity	23.765	28546	44795558	14:46

'C:\WPEAK\TO142.JOB' Run #220 9/28/99 9:27PM



INJ/DET Temp=180

Oven Temp=50

Syringe Inj=On

Cont. Pump=Off

311 Plotter=Off

311 TWA Cycle=1

Comment:

s-alfg13 8-12 feet

Analysis time=16:00

Sample Time=0:20

Alarms=Off

311 TWA=Off

Calibration Cycle=0

Inject Time=0:10

Paper Save=Off

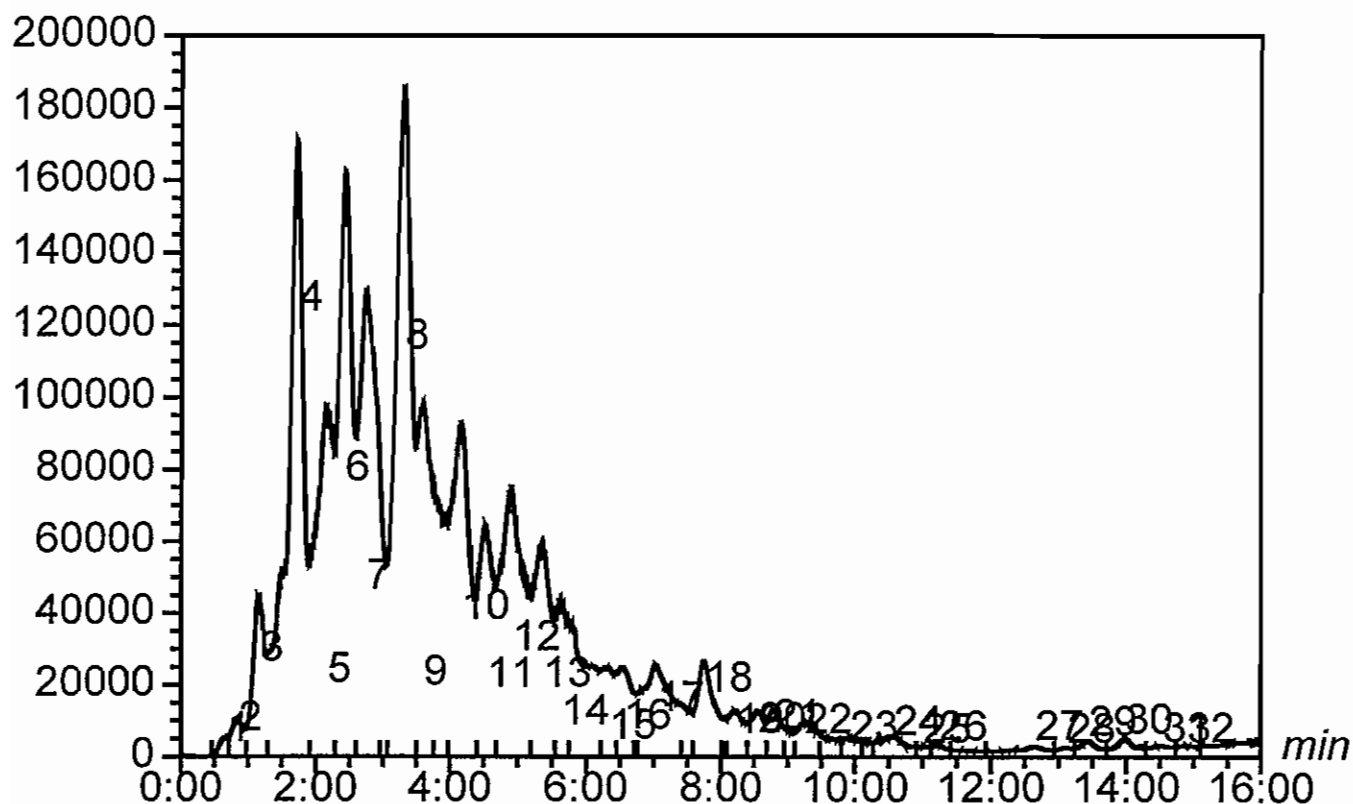
311 STEL=Off

Repeat Cycle=1

'C:\WPEAK\TO142.JOB' Run #220 9/28/99 9:27PM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	3.839	227133	50299905	0:20
2	1,2-dichlorotetrafluoroethane	0.020	679	377070	1:11
3	1,1,2-trichloro-1,2,2-trifluoroethane	0.143	136	1528452	3:06
4	unknown		1015	10127346	4:41
5	unknown		8100	19074524	9:32
6	Carrier Gas Impurity	25.542	5615	48144514	11:00
7	unknown		36278	50521536	11:30
8	Carrier Gas Impurity	17.068	18495	32171018	12:00
9	unknown		-107	3608578	13:00
10	unknown		383	34924890	13:50
11	unknown		13108	48925654	14:23
12	Carrier Gas impurity	28.126	28346	53014208	14:46

'C:\WPEAK\TO142.JOB' Run #220 9/28/99 9:27PM



INJ/DET Temp=180

Oven Temp=50

Syringe Inj=On

Cont. Pump=Off

311 Plotter=Off

311 TWA Cycle=1

Comment:

s-alfg13□□8-12 feet

Analysis time=16:00

Sample Time=0:20

Alarms=Off

311 TWA=Off

Calibration Cycle=0

Inject Time=0:10

Paper Save=Off

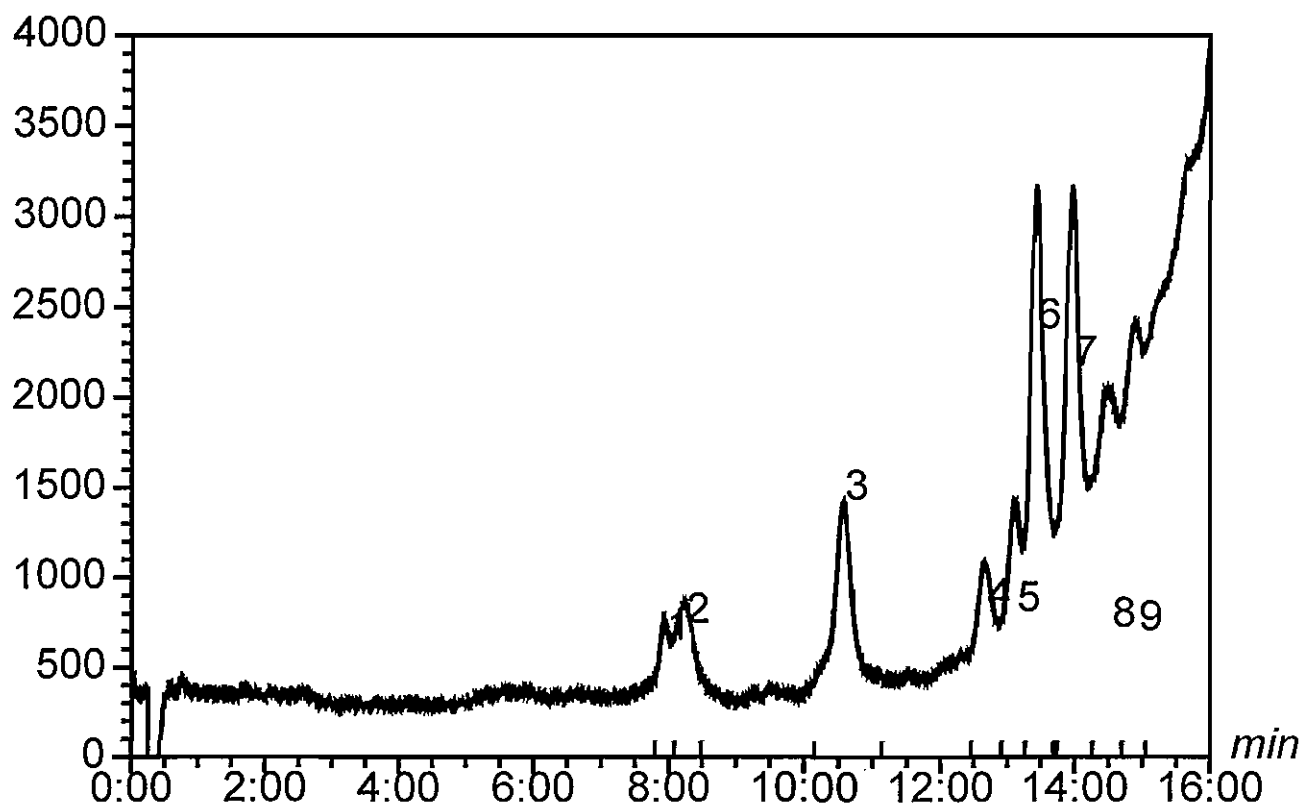
311 STEL=Off

Repeat Cycle=1

'C:\WPEAK\TO142.JOB' Run #220 9/28/99 9:27PM

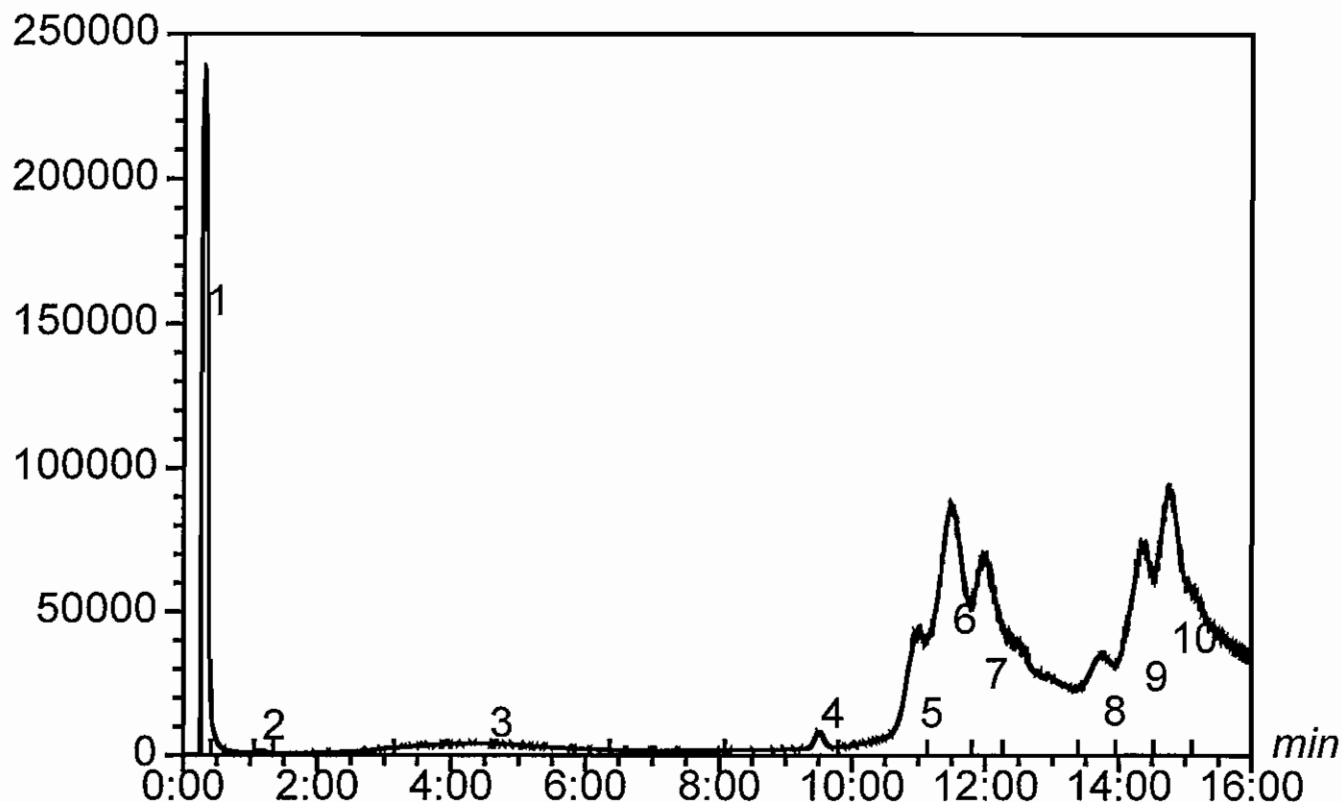
	Name	Conc	Height	Area	Time
1	vinyl chloride	5.054	429	754735	0:41
2	bromomethane	13.081	3394	2354934	0:51
3	bromomethane	58.051	22863	10450609	1:10
3	1,1-dichloroethene	34.150	22863	10450609	1:10
4	methylene chloride	193.990	120184	53814893	1:44
5	3-chloropropene	464.114	16943	32952550	2:10
6	3-chloropropene	614.682	72998	43643057	2:26
6	cis-1,2-dichloroethene	152.089	72998	43643057	2:26
7	unknown		42952	44781380	2:45
8	trichloroethene	27.200	109526	60835837	3:19
9	unknown		16224	27403003	3:36
10	trans-1,3-dichloropropene	40.585	34518	34144990	4:10
11	toluene	33.230	15673	17917873	4:33
12	unknown		25857	33309779	4:55
13	unknown		15753	19570258	5:22
14	unknown		5140	9612079	5:38
15	tetrachloroethene	25.478	1238	6343886	6:20
16	chlorobenzene	25.082	3986	6909804	6:33
16	ethylbenzene	33.470	3986	6909804	6:33
17	m-xylene	60.891	9042	14473633	7:03
18	p-xylene	21.399	14515	8924251	7:46
19	styrene	11.726	2847	3887435	8:14
20	unknown		3114	3494077	8:34
21	unknown		4032	3345054	8:48
22	o-xylene	25.447	2852	3535095	9:15
23	1,3,5-trimethylbenzene	1.039	827	1678300	9:56
24	1,2,4-trimethylbenzene	6.439	2350	2938383	10:35
25	unknown		163	622930	11:00
26	unknown		906	854571	11:15
27	1,3-dichlorobenzene	5.798	971	2015665	12:39
28	unknown		315	685338	13:08
29	Carrier Gas Impurity	4.070	2239	1551538	13:27
30	unknown		2831	1975041	13:59
31	Carrier Gas Impurity	3.277	447	1249205	14:32
32	unknown		358	1154940	14:54

'C:\WPEAK\TO142.JOB' Run #219 9/28/99 9:09PM



INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
s-alfg13□□4-8 feet

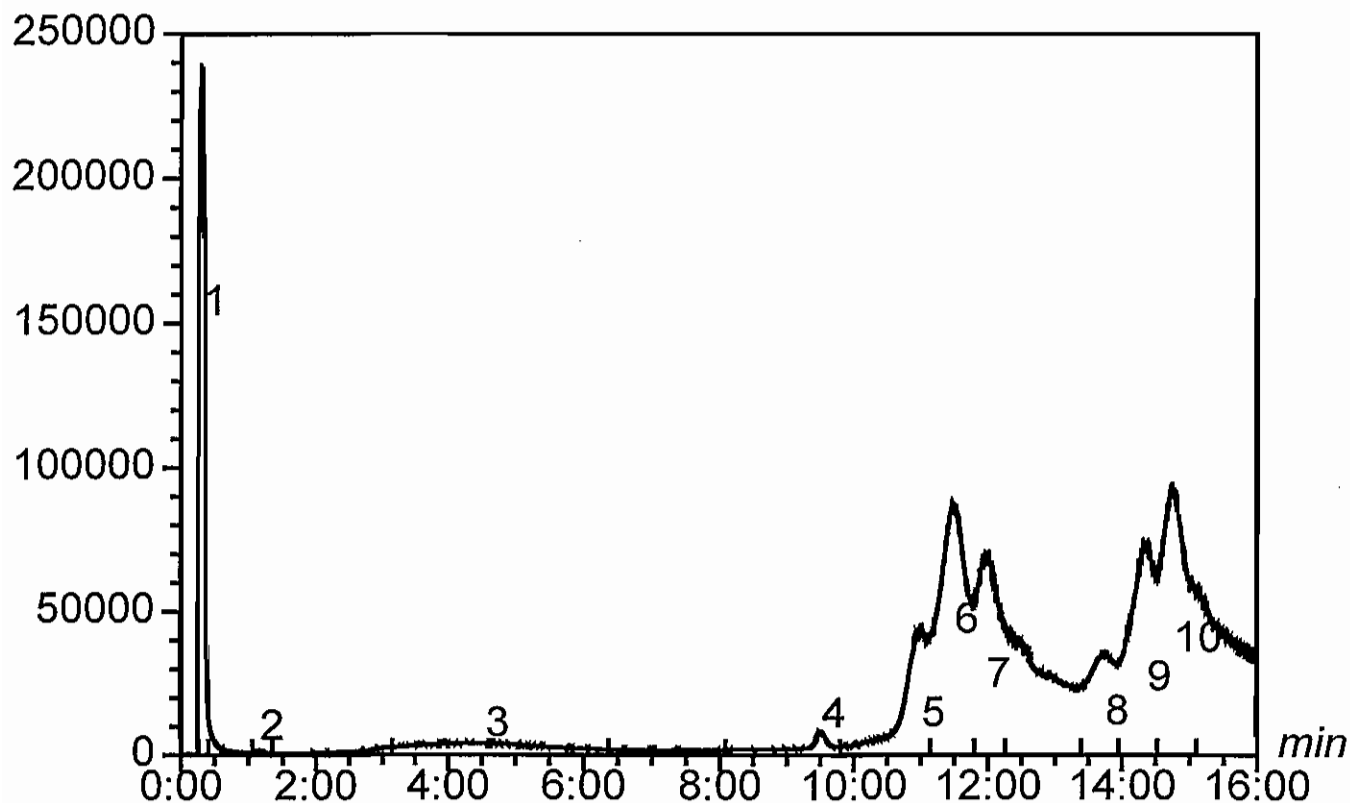
	Name	Conc	Height	Area	Time
1	p-xylene	0.176	174	73316	7:57
2	styrene	0.414	268	137112	8:15
3	1,2,4-trimethylbenzene	0.774	954	353295	10:35
4	1,3-dichlorobenzene	0.658	352	228825	12:42
5	unknown		332	291098	13:08
6	Carrier Gas Impurity	2.206	1901	840914	13:27
7	unknown		1694	986226	13:59
8	Carrier Gas Impurity	1.877	245	715707	14:33
9	unknown		225	713081	14:56



INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
 Oven Temp=50 Sample Time=0:20
 Syringe Inj=On Alarms=Off Paper Save=Off
 Cont. Pump=Off
 311 Plotter=Off 311 TWA=Off 311 STEL=Off
 311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
 Comment:
 s-alfgl3□□4-8 feet

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	2.094	148284	27433424	0:19
2	1,2-dichlorotetrafluoroethane	0.013	874	256240	1:11
3	unknown		1804	10305071	4:34
4	unknown		5187	4551349	9:32
5	Carrier Gas Impurity	10.305	5316	19423282	11:01
5	Carrier Gas Impurity	10.305	5316	19423282	11:01
6	unknown		37983	48618003	11:31
7	Carrier Gas Impurity	16.806	19029	31677117	12:00
8	unknown		5948	19105022	13:45
9	unknown		17956	35564970	14:23
10	Carrier Gas impurity	26.055	31454	49112330	14:46

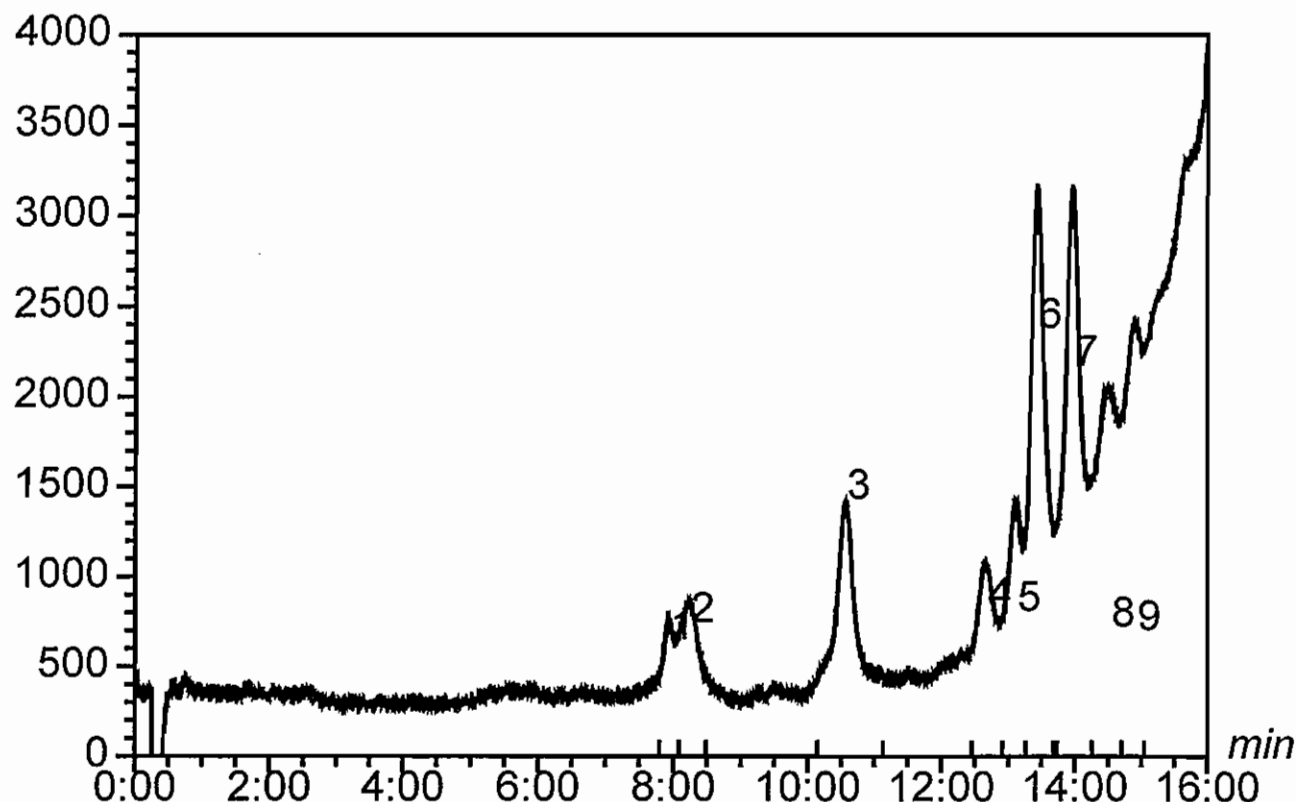
'C:\WPEAK\TO142.JOB' Run #219 9/28/99 8:47PM



INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
s-alfg13 4-8 feet

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	2.094	148284	27433424	0:19
2	1,2-dichlorotetrafluoroethane	0.013	874	256240	1:11
3	unknown		1804	10305071	4:34
4	unknown		5187	4551349	9:32
5	Carrier Gas Impurity	10.305	5316	19423282	11:01
5	Carrier Gas Impurity	10.305	5316	19423282	11:01
6	unknown		37983	48618003	11:31
7	Carrier Gas Impurity	16.806	19029	31677117	12:00
8	unknown		5948	19105022	13:45
9	unknown		17956	35564970	14:23
10	Carrier Gas impurity	26.055	31454	49112330	14:46

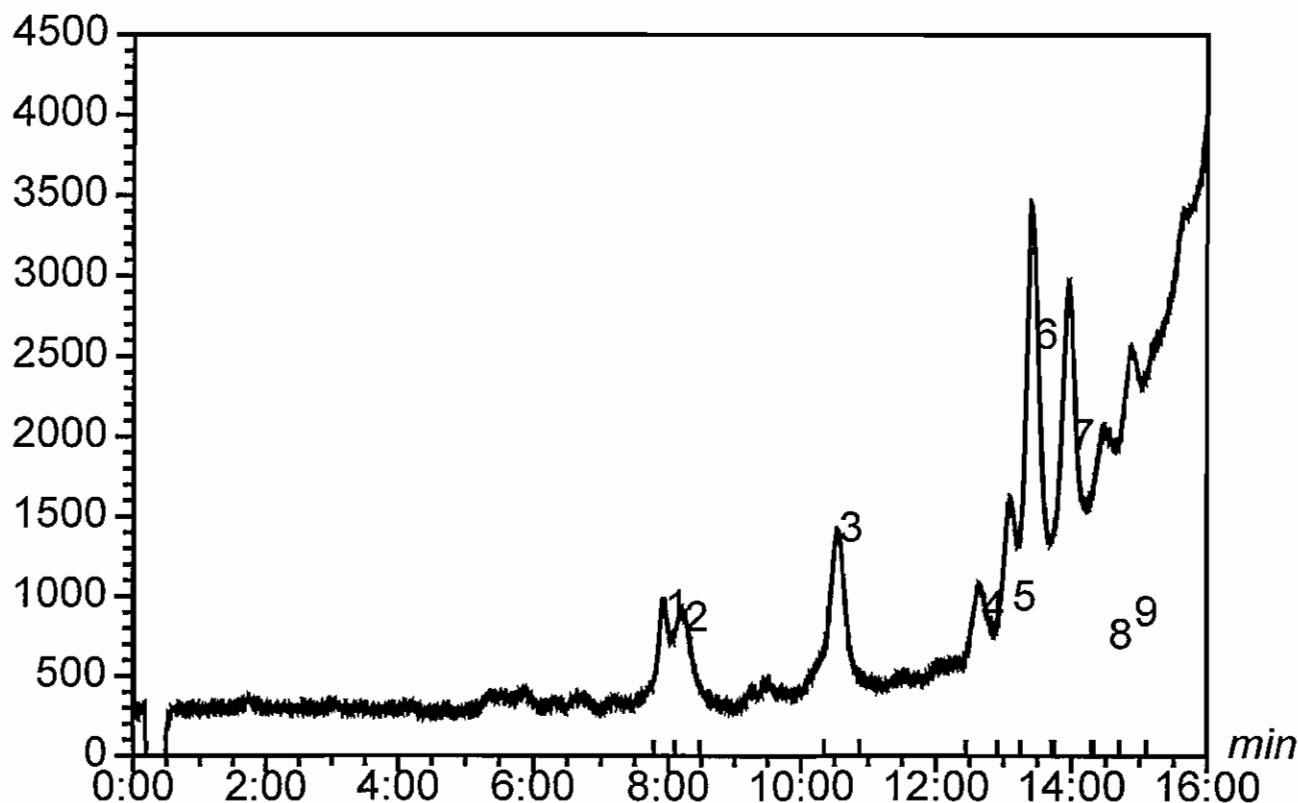
'C:\WPEAK\TO142.JOB' Run #219 9/28/99 8:47PM



INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
s-alfg13 4-8 feet

Name	Conc	Height	Area	Time
1 p-xylene	0.176	174	73316	7:57
2 styrene	0.414	268	137112	8:15
3 1,2,4-trimethylbenzene	0.774	954	353295	10:35
4 1,3-dichlorobenzene	0.658	352	228825	12:42
5 unknown		332	291098	13:08
6 Carrier Gas Impurity	2.206	1901	840914	13:27
7 unknown		1694	986226	13:59
8 Carrier Gas Impurity	1.877	245	715707	14:33
9 unknown		225	713081	14:56

'C:\WPEAK\TO142.JOB' Run #218 9/28/99 8:14PM

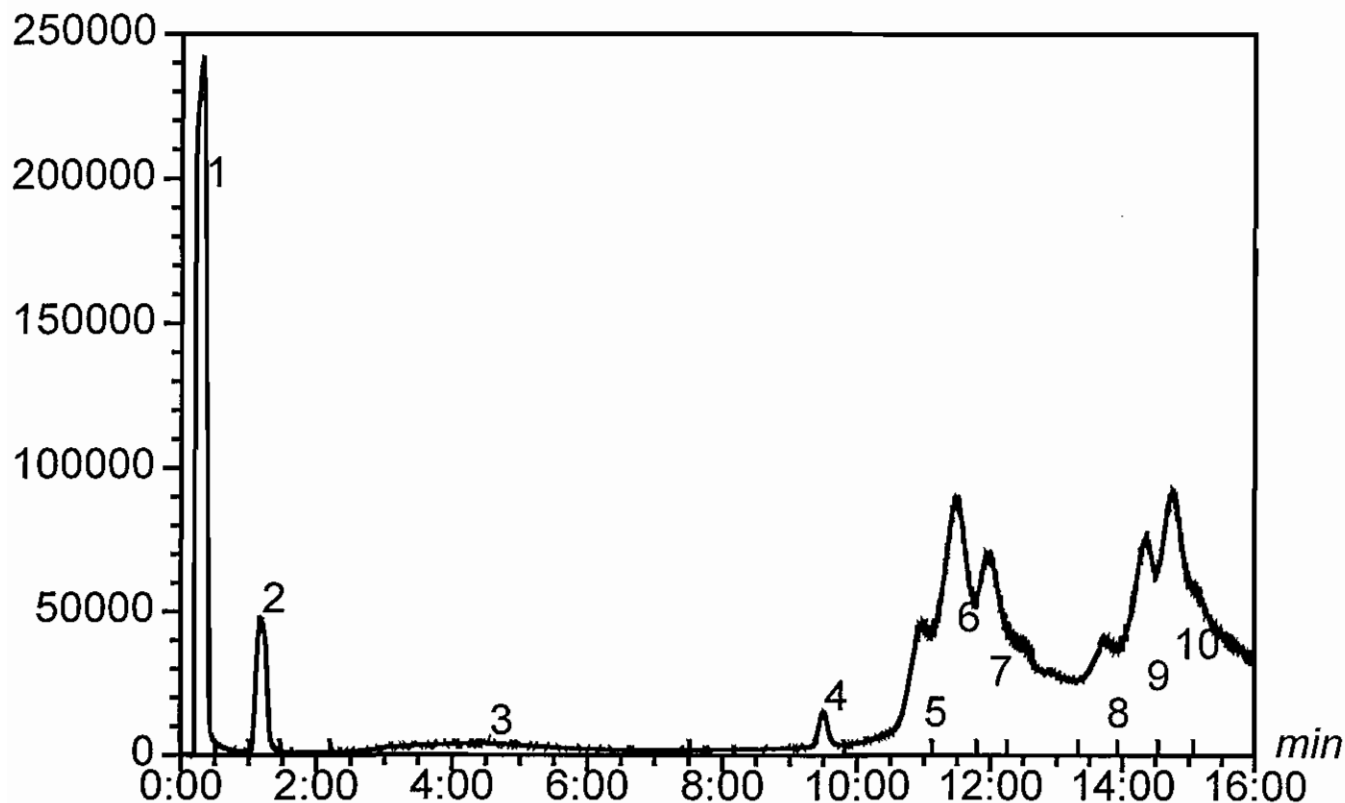


INJ/DET Temp=180
Oven Temp=50
Syringe Inj=On
Cont. Pump=Off
311 Plotter=Off
311 TWA Cycle=1
Comment:
s-alfg1300-4 feet

Analysis time=16:00
Sample Time=0:20
Alarms=Off
Paper Save=Off
311 TWA=Off
Calibration Cycle=0
311 STEL=Off
Repeat Cycle=1

	Name	Conc	Height	Area	Time
1	p-xylene	0.367	324	153137	7:57
2	styrene	0.557	252	184560	8:15
3	1,2,4-trimethylbenzene	0.829	810	378244	10:34
4	1,3-dichlorobenzene	0.838	320	291306	12:41
5	unknown		383	370050	13:08
6	Carrier Gas Impurity	2.672	2017	1018597	13:27
7	unknown		1390	1079733	13:59
8	Carrier Gas Impurity	1.790	145	682455	14:33
9	unknown		286	908454	14:55

'C:\WPEAK\TO142.JOB' Run #218 9/28/99 8:14PM



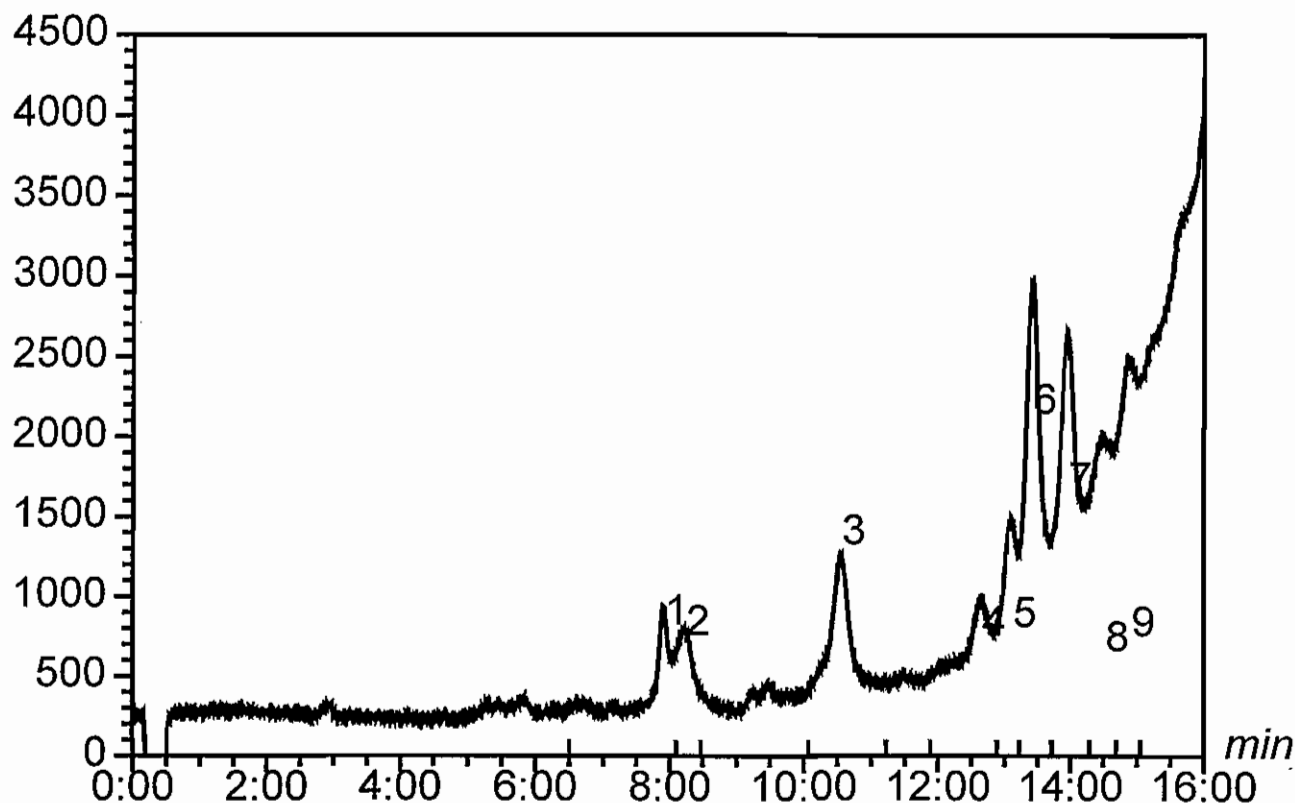
INJ/DET Temp=180
Oven Temp=50
Syringe Inj=On
Cont. Pump=Off
311 Plotter=Off
311 TWA Cycle=1
Comment:
s-alfg13□□0-4 feet

Analysis time=16:00
Sample Time=0:20
Alarms=Off
Paper Save=Off
311 TWA=Off
Calibration Cycle=0
311 STEL=Off
Repeat Cycle=1

Inject Time=0:10

Name	Conc	Height	Area	Time
1 dichlorodifluoromethane	3.751	192529	49151401	0:20
2 1,2-dichlorotetrafluoroethane	0.537	45068	10340799	1:12
3 unknown		2547	13772261	4:33
4 unknown		11338	7641340	9:31
5 Carrier Gas Impurity	11.561	5432	21791237	11:00
6 unknown		38579	50764694	11:30
7 Carrier Gas Impurity	17.029	19722	32098661	12:00
8 unknown		5235	22543420	13:46
9 unknown		18298	39367935	14:22
10 Carrier Gas impurity	24.709	29320	46574345	14:46

'C:\WPEAK\TO142.JOB' Run #217 9/28/99 7:41PM



INJ/DET Temp=180

Analysis time=16:00

Inject Time=0:10

Oven Temp=50

Sample Time=0:20

Syringe Inj=On

Alarms=Off

Paper Save=Off

Cont. Pump=Off

311 Plotter=Off

311 TWA=Off

311 STEL=Off

311 TWA Cycle=1

Calibration Cycle=0

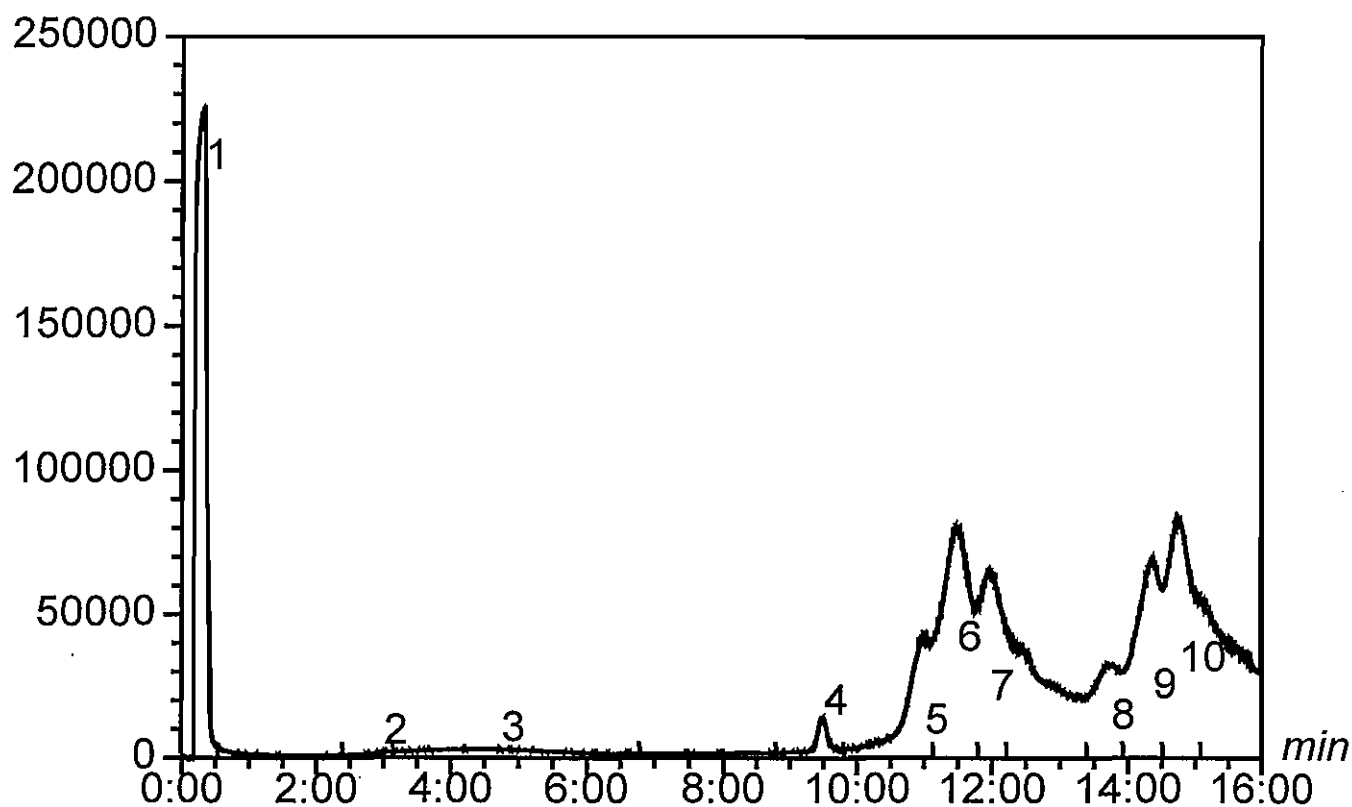
Repeat Cycle=1

Comment:

s-alfg10 8-12 feet

Name	Conc	Height	Area	Time
1 p-xylene	0.413	311	172258	7:56
2 styrene	0.500	243	165780	8:15
3 1,2,4-trimethylbenzene	1.117	809	509857	10:34
4 1,3-dichlorobenzene	1.333	239	463405	12:40
5 unknown		294	351471	13:08
6 Carrier Gas Impurity	2.481	1628	945781	13:26
7 unknown		1140	1040190	13:58
8 Carrier Gas Impurity	1.900	143	724376	14:32
9 unknown		238	825606	14:55

'C:\WPEAK\TO142.JOB' Run #217 9/28/99 7:41PM



INJ/DET Temp=180

Oven Temp=50

Syringe Inj=On

Cont. Pump=Off

311 Plotter=Off

311 TWA Cycle=1

Comment:

s-alfgl008-12 feet

Analysis time=16:00

Sample Time=0:20

Alarms=Off

311 TWA=Off

Calibration Cycle=0

Inject Time=0:10

Paper Save=Off

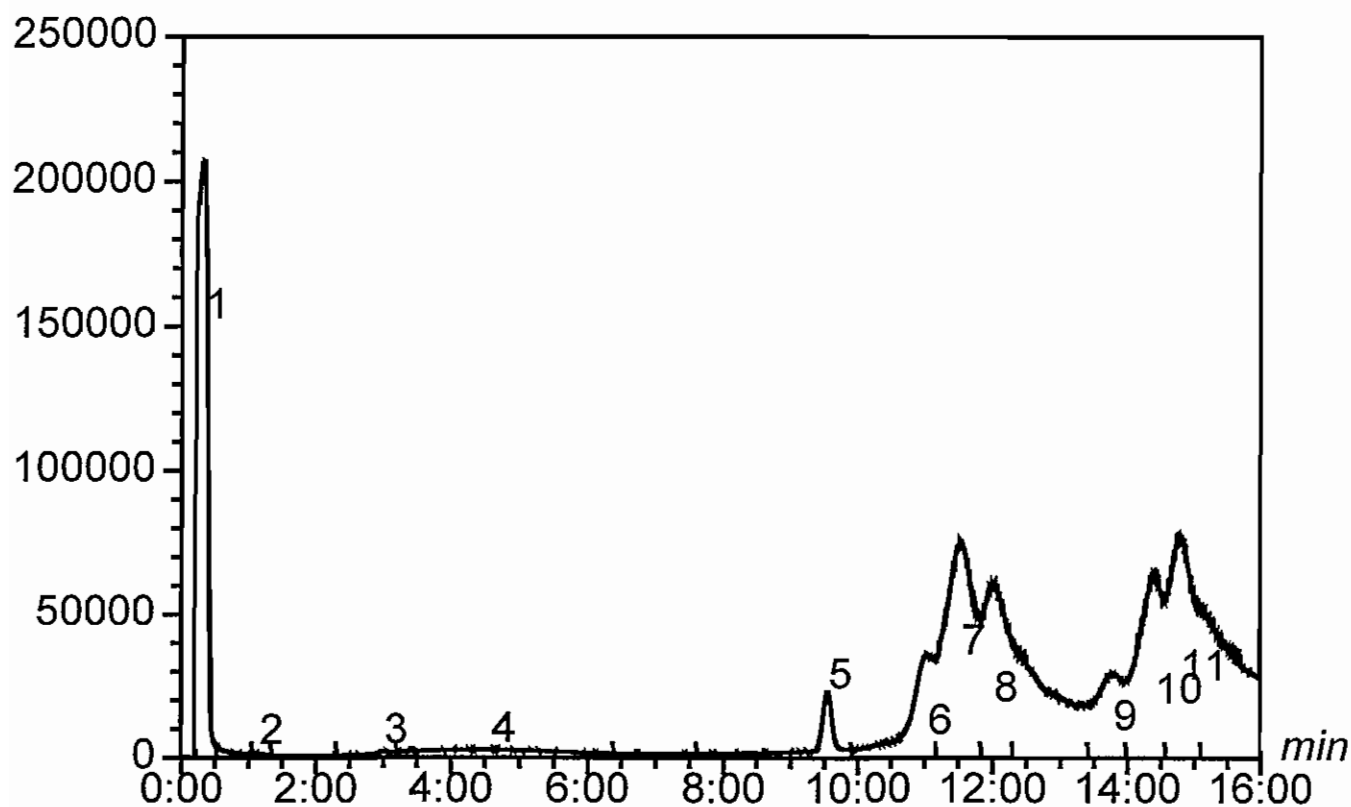
311 STEL=Off

Repeat Cycle=1

'C:\WPEAK\TO142.JOB' Run #217 9/28/99 7:41PM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	3.771	199508	49409712	0:20
2	1,1,2-trichloro-1,2,2-trifluoroethane	0.088	209	939285	3:01
3	unknown		1232	8487099	4:45
4	unknown		10810	4607698	9:31
5	Carrier Gas Impurity	10.531	3961	19850120	11:01
5	Carrier Gas Impurity	10.531	3961	19850120	11:01
6	unknown		32787	46609325	11:30
7	Carrier Gas Impurity	14.975	15819	28226134	11:59
8	unknown		5461	16989477	13:45
9	unknown		16251	33967998	14:22
10	Carrier Gas impurity	23.988	25707	45214870	14:45

'C:\WPEAK\TO142.JOB' Run #216 9/28/99 7:12PM

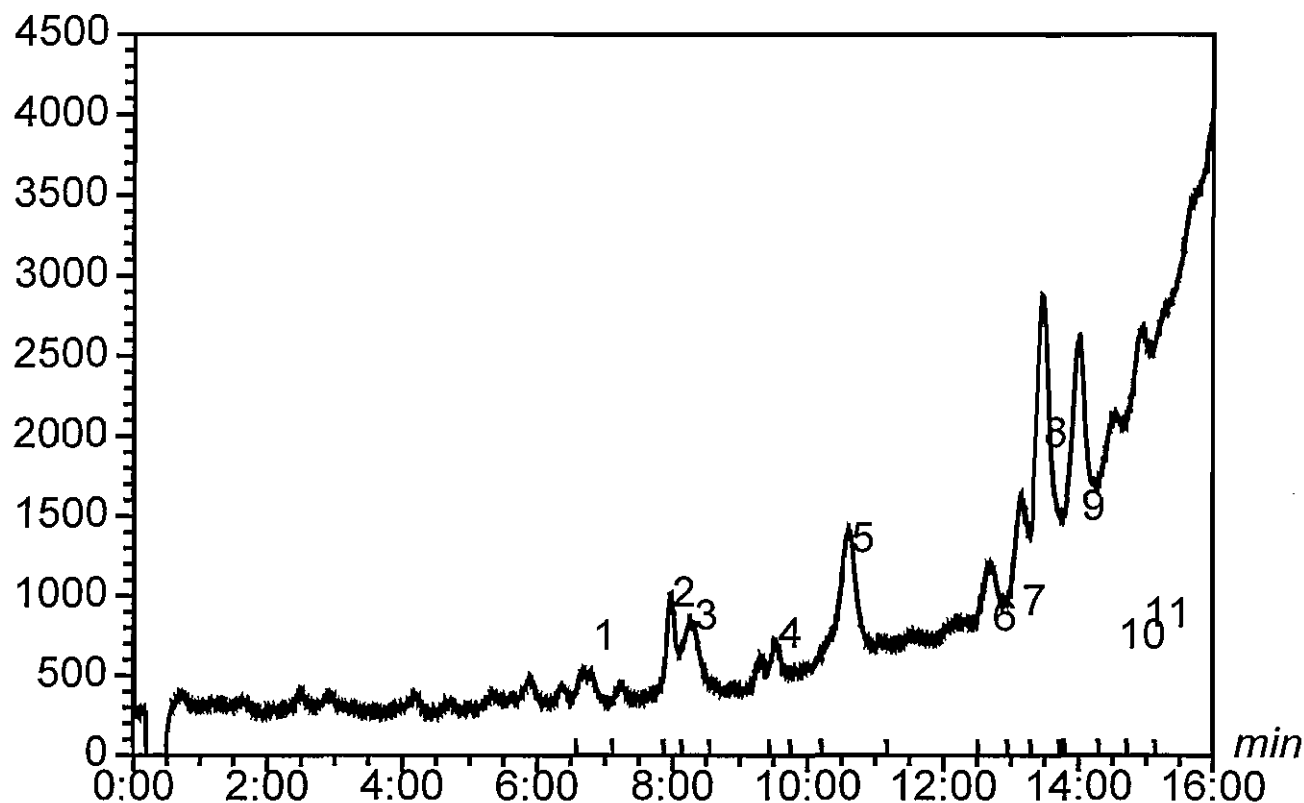


INJ/DET Temp=180
Oven Temp=50
Syringe Inj=On
Cont. Pump=Off
311 Plotter=Off
311 TWA Cycle=1
Comment:
s-alfg10□□4-8 feet

Analysis time=16:00 Inject Time=0:10
Sample Time=0:20
Alarms=Off Paper Save=Off
311 TWA=Off 311 STEL=Off
Calibration Cycle=0 Repeat Cycle=1

'C:\WPEAK\TO142.JOB' Run #216 9/28/99 7:12PM

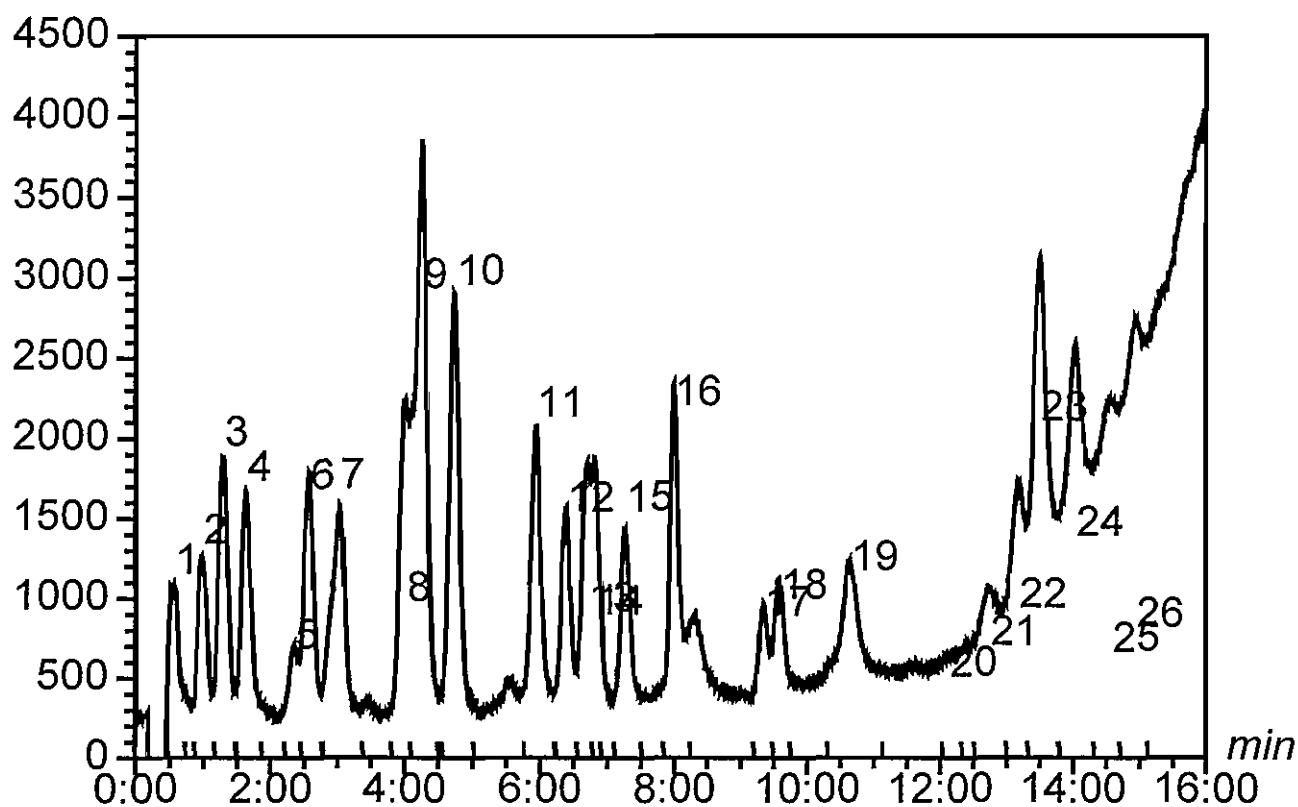
	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	3.275	148144	42908634	0:21
2	1,2-dichlorotetrafluoroethane	0.016	409	309502	1:11
3	1,1,2-trichloro-1,2,2-trifluoroethane	0.094	416	1002258	3:01
4	unknown		1056	7159935	4:36
5	unknown		19963	8152458	9:34
6	Carrier Gas Impurity	8.494	3778	16010812	11:04
6	Carrier Gas Impurity	8.494	3778	16010812	11:04
7	unknown		31594	42972246	11:33
8	Carrier Gas Impurity	15.023	15249	28317236	12:02
9	unknown		5310	15559470	13:48
10	unknown		14820	31374331	14:25
11	Carrier Gas impurity	21.255	22947	40063482	14:48



INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
 Oven Temp=50 Sample Time=0:20
 Syringe Inj=On Alarms=Off Paper Save=Off
 Cont. Pump=Off
 311 Plotter=Off 311 TWA=Off 311 STEL=Off
 311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
 Comment:
 s-alfg10 4-8 feet

	Name	Conc	Height	Area	Time
1	ethylbenzene	0.361	123	74573	6:49
2	p-xylene	0.331	394	137950	8:00
3	styrene	0.557	250	184520	8:19
4	4-methyltoluene	0.601	140	105892	9:34
5	1,2,4-trimethylbenzene	1.395	733	636605	10:38
6	1,3-dichlorobenzene	1.052	243	365905	12:44
7	unknown		343	411695	13:10
8	Carrier Gas Impurity	2.325	1393	886382	13:29
9	unknown		934	960320	14:02
10	Carrier Gas Impurity	2.044	130	779412	14:35
11	unknown		265	1030332	14:57

'C:\WPEAK\TO142.JOB' Run #215 9/28/99 6:44PM



INJ/DET Temp=180

Analysis time=16:00

Inject Time=0:10

Oven Temp=50

Sample Time=0:20

Syringe Inj=On

Alarms=Off

Paper Save=Off

Cont. Pump=Off

311 Plotter=Off

311 TWA=Off

311 STEL=Off

311 TWA Cycle=1

Calibration Cycle=0

Repeat Cycle=1

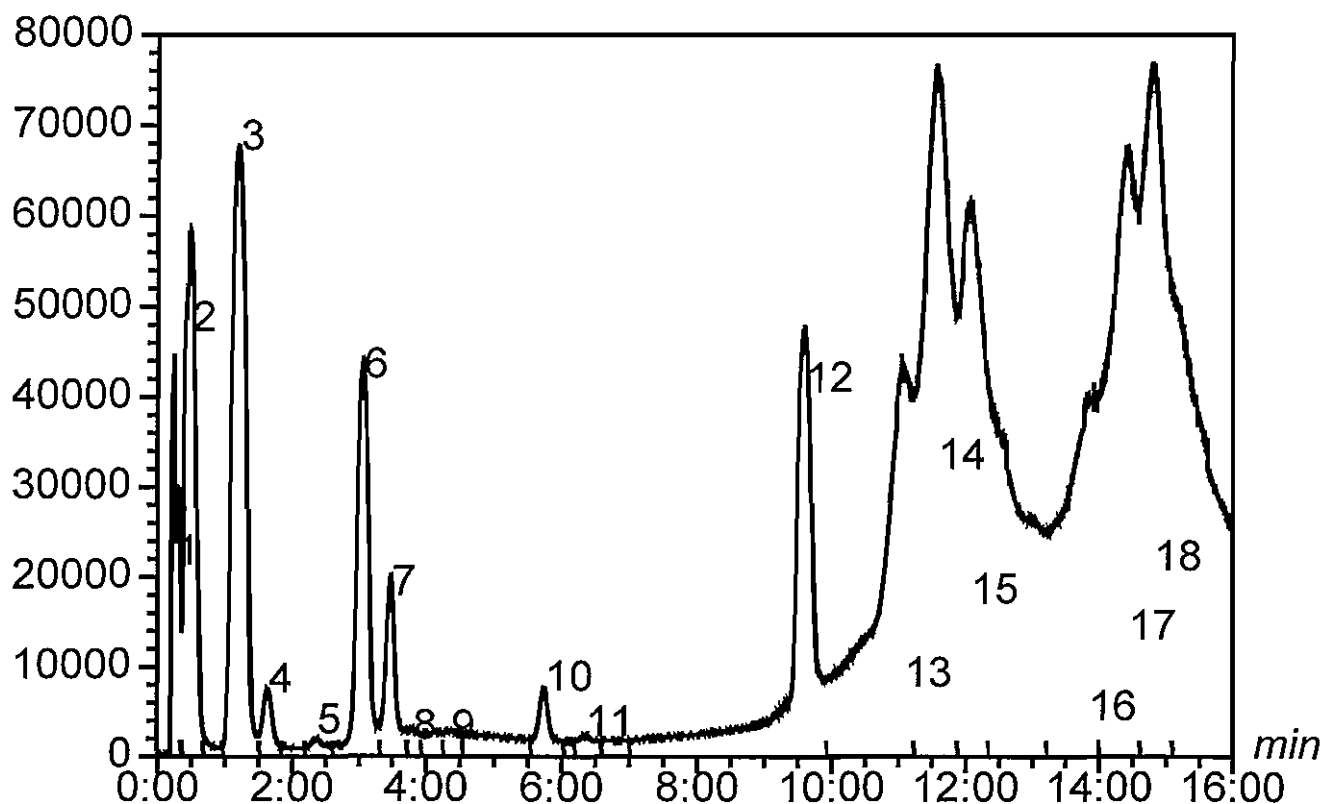
Comment:

calibration 0.20 ppm TO-14

'C:\WPEAK\TO142.JOB' Run #215 9/28/99 6:44PM

	Name	Conc	Height	Area	Time
1	vinyl chloride	0.614	632	149344	0:35
2	bromomethane	0.632	820	180024	1:00
3	1,1-dichloroethene	0.637	1432	306022	1:18
4	methylene chloride	0.635	1215	277410	1:39
5	3-chloropropene	0.150	163	71001	2:22
5	cis-1,2-dichloroethene	0.150	163	71001	2:22
6	cis-1,2-dichloroethene	0.607	1161	286957	2:36
7	benzene	0.620	1165	350283	3:03
8	cis-1,3-dichloropropene	0.634	460	362470	4:02
8	trans-1,3-dichloropropene	0.268	460	362470	4:02
9	trans-1,3-dichloropropene	0.621	2414	841320	4:16
10	toluene	0.623	2434	539200	4:45
11	1,2-dibromoethane	0.719	1614	381242	5:57
12	tetrachloroethene	0.681	1024	248997	6:24
13	chlorobenzene	0.689	397	275490	6:43
13	ethylbenzene	0.864	397	275490	6:43
14	ethylbenzene	0.648	377	206445	6:50
15	m-xylene	0.763	1026	237699	7:17
16	p-xylene	1.416	1683	417038	8:01
17	o-xylene	0.782	371	138922	9:21
17	4-methyltoluene	0.524	371	138922	9:21
18	4-methyltoluene	0.664	478	176280	9:36
19	1,2,4-trimethylbenzene	1.976	653	456318	10:40
20	unknown		-11	116130	12:09
21	1,3-dichlorobenzene	1.775	184	347655	12:46
22	unknown		420	418788	13:12
23	Carrier Gas Impurity	1.892	1588	1003023	13:31
24	unknown		869	1005236	14:03
25	Carrier Gas Impurity	1.527	144	809918	14:36
26	unknown		295	1032847	14:57

'C:\WPEAK\TO142.JOB' Run #215 9/28/99 6:44PM



INJ/DET Temp=180

Oven Temp=50

Syringe Inj=On

Cont. Pump=Off

311 Plotter=Off

311 TWA Cycle=1

Comment:

calibration 0.20 ppm TO-14

Analysis time=16:00

Sample Time=0:20

Alarms=Off

311 TWA=Off

Calibration Cycle=0

Inject Time=0:10

Paper Save=Off

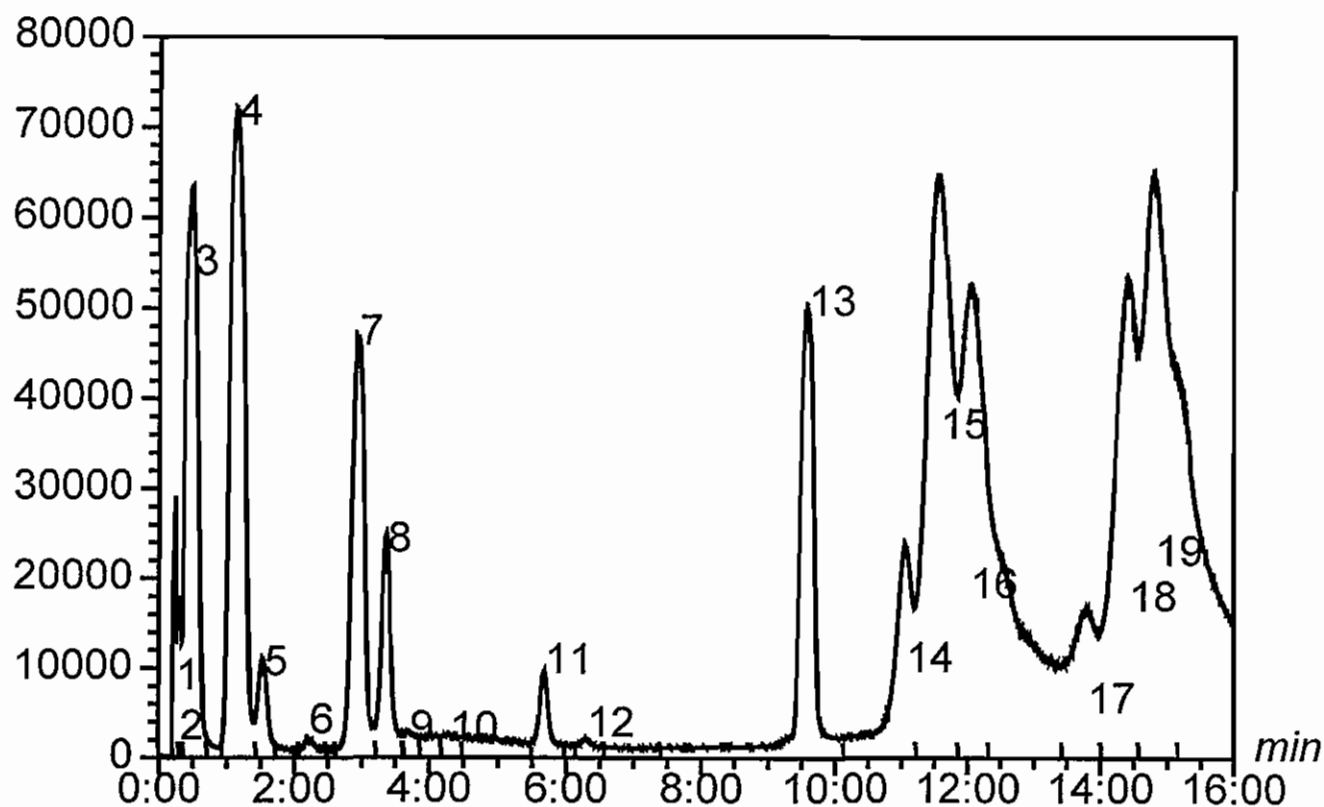
311 STEL=Off

Repeat Cycle=1

'C:\WPEAK\TO142.JOB' Run #215 9/28/99 6:44PM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	0.351	19714	5353380	0:15
2	dichlorodifluoromethane	0.858	45628	13103232	0:30
2	chloromethane	0.858	45628	13103232	0:30
3	1,2-dichlorotetrafluoroethane	0.913	65642	19273476	1:13
4	chloroethane	0.705	5480	1499740	1:39
5	trichlorofluoromethane	1.039	918	544204	2:23
6	1,1,2-trichloro-1,2,2-trifluoroethane	0.875	40438	10703104	3:04
7	1,1-dichloroethane	0.799	16309	3977147	3:30
8	chloroform	0.938	251	618777	3:49
9	1,1,1-trichloroethane	1.026	206	805784	4:23
10	carbon tetrachloride	0.900	5729	1884916	5:45
11	1,2-dichloropropane	1.208	633	789906	6:22
12	unknown		38896	21302600	9:37
13	Carrier Gas Impurity	13.511	6175	28291214	11:06
13	Carrier Gas Impurity	13.511	6175	28291214	11:06
14	unknown		30421	43423464	11:36
15	Carrier Gas Impurity	13.672	15470	28627972	12:05
16	unknown		2386	27466302	13:51
17	unknown		11372	37671182	14:27
18	Carrier Gas impurity	17.735	19111	37135466	14:49

'C:\WPEAK\TO142.JOB' Run #214 9/28/99 6:18PM



INJ/DET Temp=180

Oven Temp=50

Syringe Inj=On

Cont. Pump=Off

311 Plotter=Off

311 TWA Cycle=1

Comment:

calibration 0.30 ppm TO-14

Analysis time=16:00

Sample Time=0:20

Alarms=Off

311 TWA=Off

Calibration Cycle=0

Inject Time=0:10

Paper Save=Off

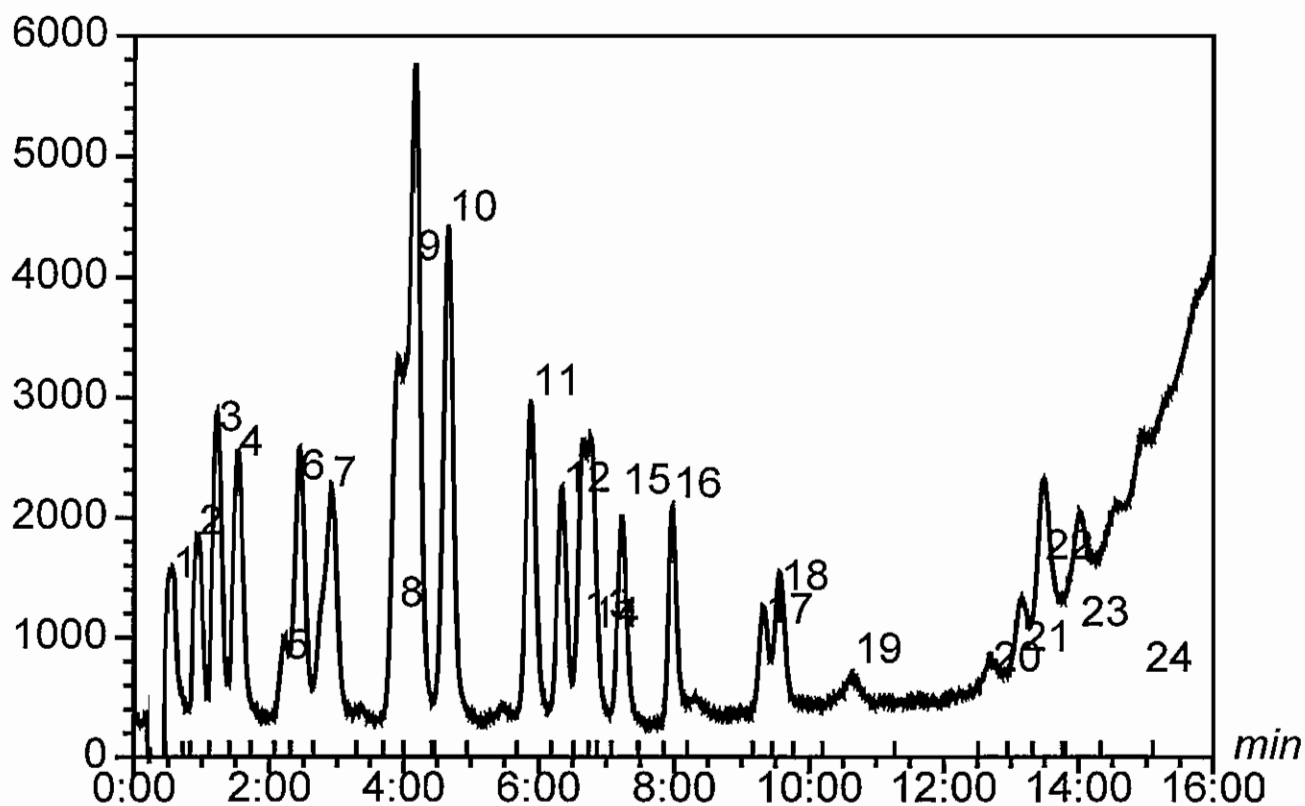
311 STEL=Off

Repeat Cycle=1

'C:\WPEAK\TO142.JOB' Run #214 9/28/99 6:18PM

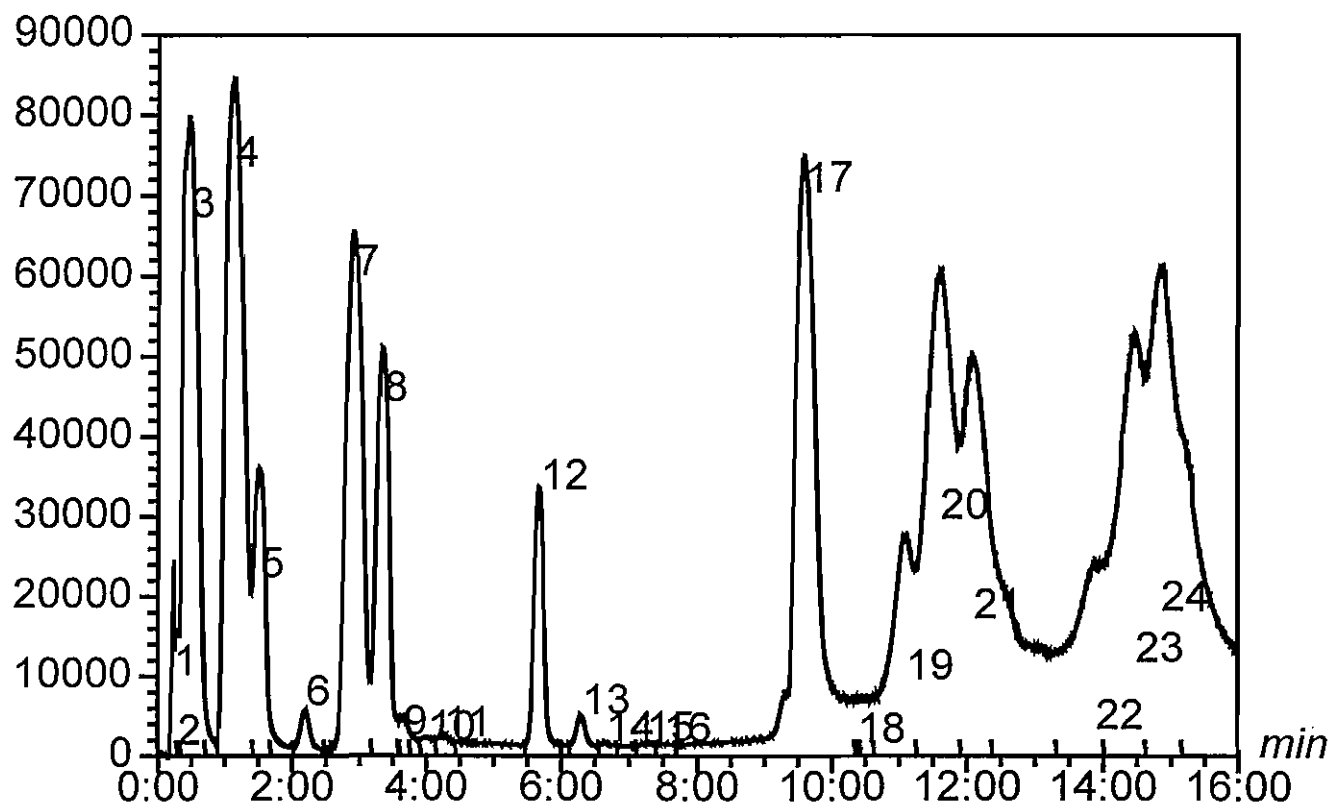
	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	1.201	6120	1691897	0:15
2	dichlorodifluoromethane	0.980	454	1380648	0:19
3	dichlorodifluoromethane	10.838	52074	15269635	0:30
3	chloromethane	0.766	52074	15269635	0:30
4	1,2-dichlorotetrafluoroethane		68674	21112500	1:09
5	chloroethane		7642	2128586	1:33
6	trichlorofluoromethane		1173	523595	2:15
7	1,1,2-trichloro-1,2,2-trifluoroethane		44307	12233298	2:57
8	1,1-dichloroethane	0.299	21324	4976180	3:23
9	chloroform	0.070	297	659645	3:43
10	1,1,1-trichloroethane	1.973	237	785147	4:18
11	carbon tetrachloride		7833	2093863	5:42
12	1,2-dichloropropane		825	653788	6:19
13	unknown		47723	16284645	9:36
14	Carrier Gas Impurity		8073	9045864	11:05
14	Carrier Gas Impurity		8073	9045864	11:05
15	unknown		34013	33827812	11:35
16	Carrier Gas Impurity		16311	24075096	12:03
17	unknown		3559	8927696	13:49
18	unknown		14877	23126507	14:26
19	Carrier Gas impurity		19957	35917528	14:49

'C:\WPEAK\TO142.JOB' Run #214 9/28/99 6:18PM



INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
calibration ☐ 0.30 ppm TO-14

'C:\WPEAK\TO142.JOB' Run #213 9/28/99 5:41PM



INJ/DET Temp=180

Oven Temp=50

Syringe Inj=On

Cont. Pump=Off

311 Plotter=Off

311 TWA Cycle=1

Comment:

calibration 1.0 ppm TO-14

Analysis time=16:00

Sample Time=0:20

Alarms=Off

311 TWA=Off

Calibration Cycle=0

Inject Time=0:10

Paper Save=Off

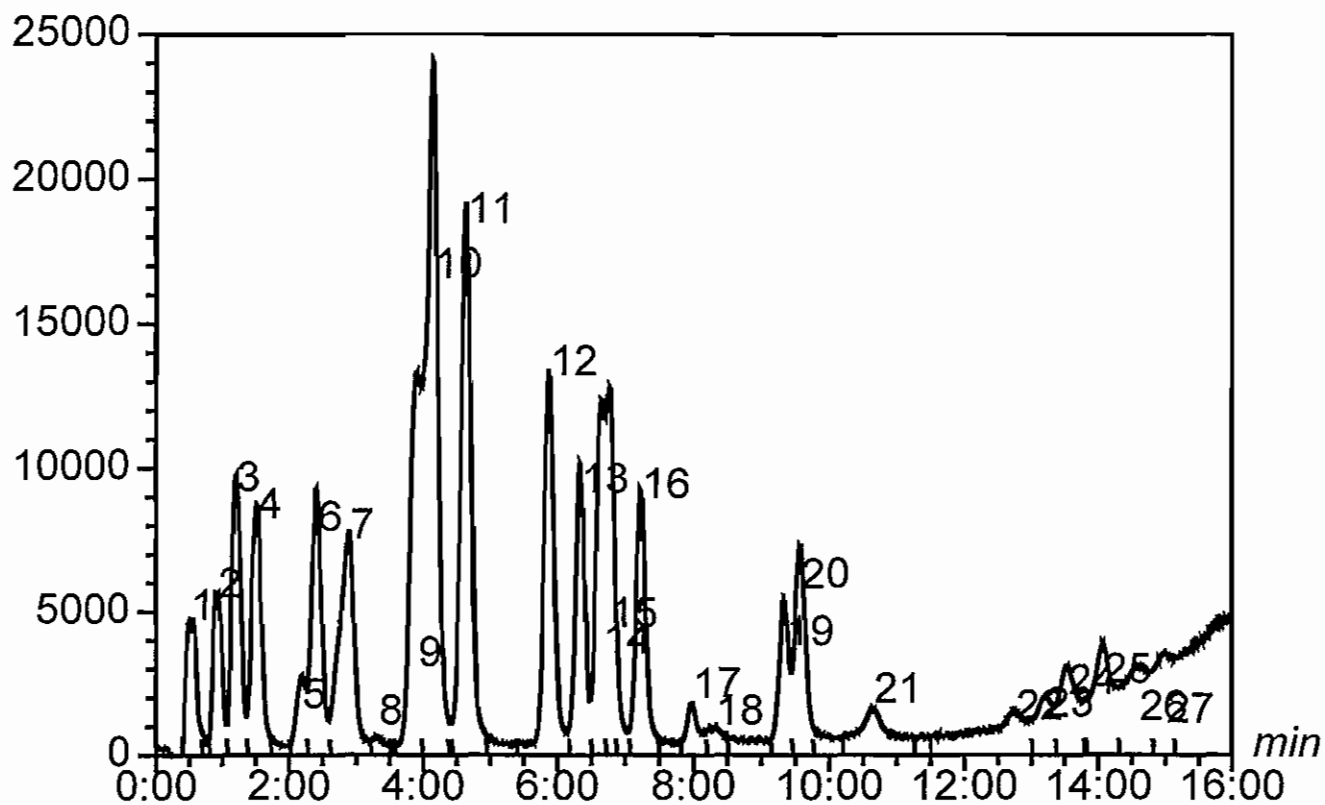
311 STEL=Off

Repeat Cycle=1

'C:\WPEAK\TO142.JOB' Run #213 9/28/99 5:41PM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	0.787	8555	1109125	0:15
2	dichlorodifluoromethane	0.753	-952	1060930	0:18
3	dichlorodifluoromethane	17.204	65679	24238352	0:30
3	chloromethane	1.215	65679	24238352	0:30
4	1,2-dichlorotetrafluoroethane		71971	31443212	1:09
5	chloroethane		20800	8095743	1:32
6	trichlorofluoromethane		4726	1302985	2:13
7	1,1,2-trichloro-1,2,2-trifluoroethane		58397	22183516	2:56
8	1,1-dichloroethane	0.819	42710	13627556	3:21
9	chloroform	0.083	913	775653	3:40
10	1,2-dichloroethane	0.794	272	536719	4:02
11	1,1,1-trichloroethane	1.804	805	717973	4:16
12	carbon tetrachloride		31798	7042592	5:42
13	1,2-dichloropropane		3630	1241027	6:19
14	1,1,2-trichloroethane	0.469	232	403036	6:40
15	1,1,2,2-tetrachloroethane		221	417552	7:16
16	unknown		113	452319	7:31
17	unknown		68769	36278547	9:36
18	Carrier Gas Impurity		-7	582948	10:24
19	Carrier Gas Impurity		7946	12226773	11:06
19	Carrier Gas Impurity		7946	12226773	11:06
20	unknown		28066	33740084	11:37
21	Carrier Gas Impurity		15565	22860728	12:06
22	unknown		1760	14146303	13:54
23	unknown		10168	27291838	14:29
24	Carrier Gas impurity		16567	32513620	14:51

'C:\WPEAK\TO142.JOB' Run #213 9/28/99 5:41PM



INJ/DET Temp=180

Analysis time=16:00

Inject Time=0:10

Oven Temp=50

Sample Time=0:20

Syringe Inj=On

Alarms=Off

Paper Save=Off

Cont. Pump=Off

311 Plotter=Off

311 TWA=Off

311 STEL=Off

311 TWA Cycle=1

Calibration Cycle=0

Repeat Cycle=1

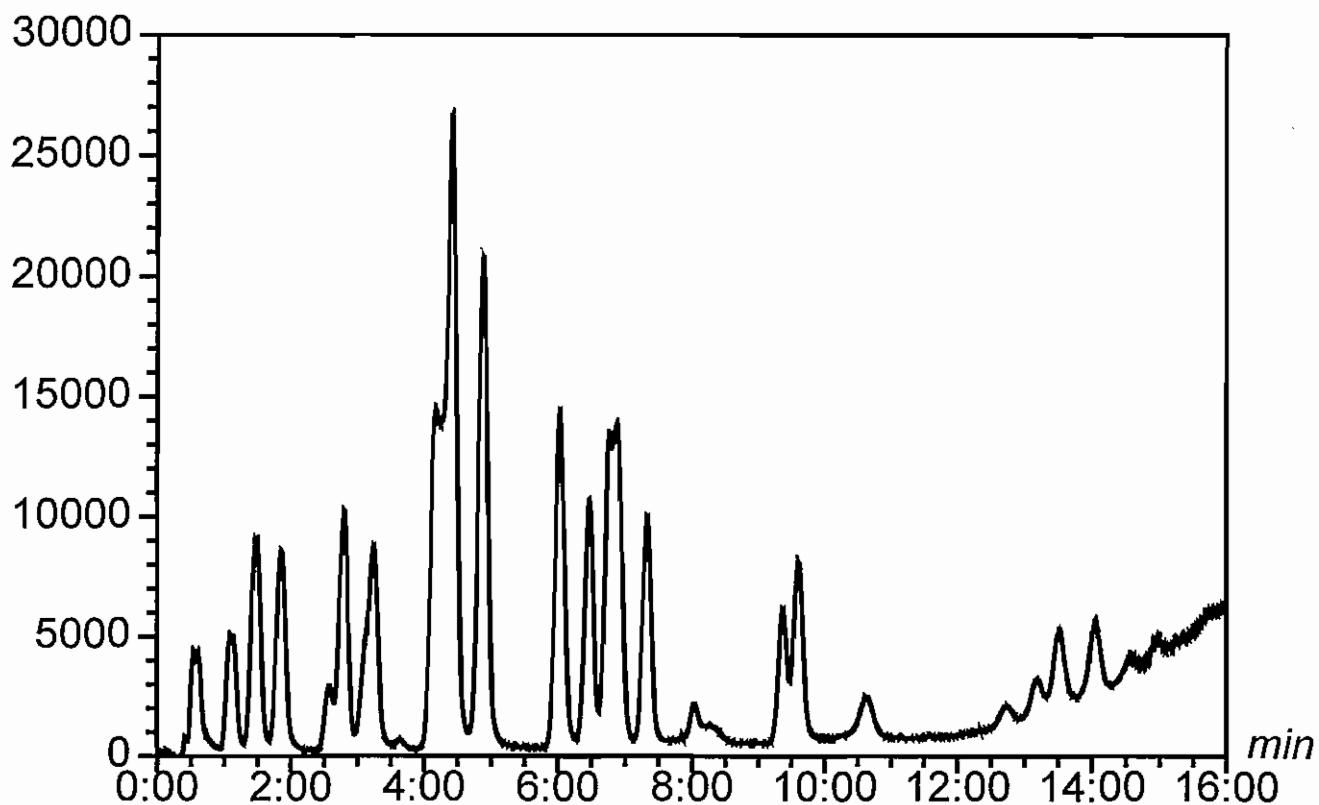
Comment:

calibration 1.0 ppm TO-14

'C:\WPEAK\TO142.JOB' Run #213 9/28/99 5:41PM

	Name	Conc	Height	Area	Time
1	vinyl chloride	1.107	3904	935270	0:32
2	bromomethane	1.019	4633	1030943	0:57
3	1,1-dichloroethene		8333	1841172	1:13
4	methylene chloride	0.961	7412	1729679	1:32
5	3-chloropropene		796	432169	2:12
6	3-chloropropene		6965	1861798	2:26
6	cis-1,2-dichloroethene	4.252	6965	1861798	2:26
7	benzene		6681	2248011	2:54
8	trichloroethene	0.038	219	84023	3:21
9	cis-1,3-dichloropropene		2245	2596400	3:55
10	trans-1,3-dichloropropene	2.362	15722	5833047	4:09
11	toluene		17613	4070806	4:39
12	1,2-dibromoethane		12369	2708016	5:54
13	tetrachloroethene		8268	1905655	6:21
14	chlorobenzene	0.996	2697	1928359	6:40
14	ethylbenzene	0.903	2697	1928359	6:40
15	ethylbenzene	0.916	3603	1955472	6:47
16	m-xylene		8098	1784580	7:15
17	p-xylene	0.509	1158	348000	8:00
18	styrene		215	219115	8:20
19	o-xylene	0.867	2987	976892	9:21
19	4-methyltoluene	0.605	2987	976892	9:21
20	4-methyltoluene	0.939	4964	1517105	9:36
21	1,2,4-trimethylbenzene	0.649	981	787554	10:40
22	1,3-dichlorobenzene	0.921	386	1106070	12:47
23	unknown		480	593708	13:14
24	Carrier Gas Impurity		1265	1058618	13:33
25	unknown		1647	1385304	14:05
26	Carrier Gas Impurity		358	1438760	14:37
27	unknown		285	1125725	15:01

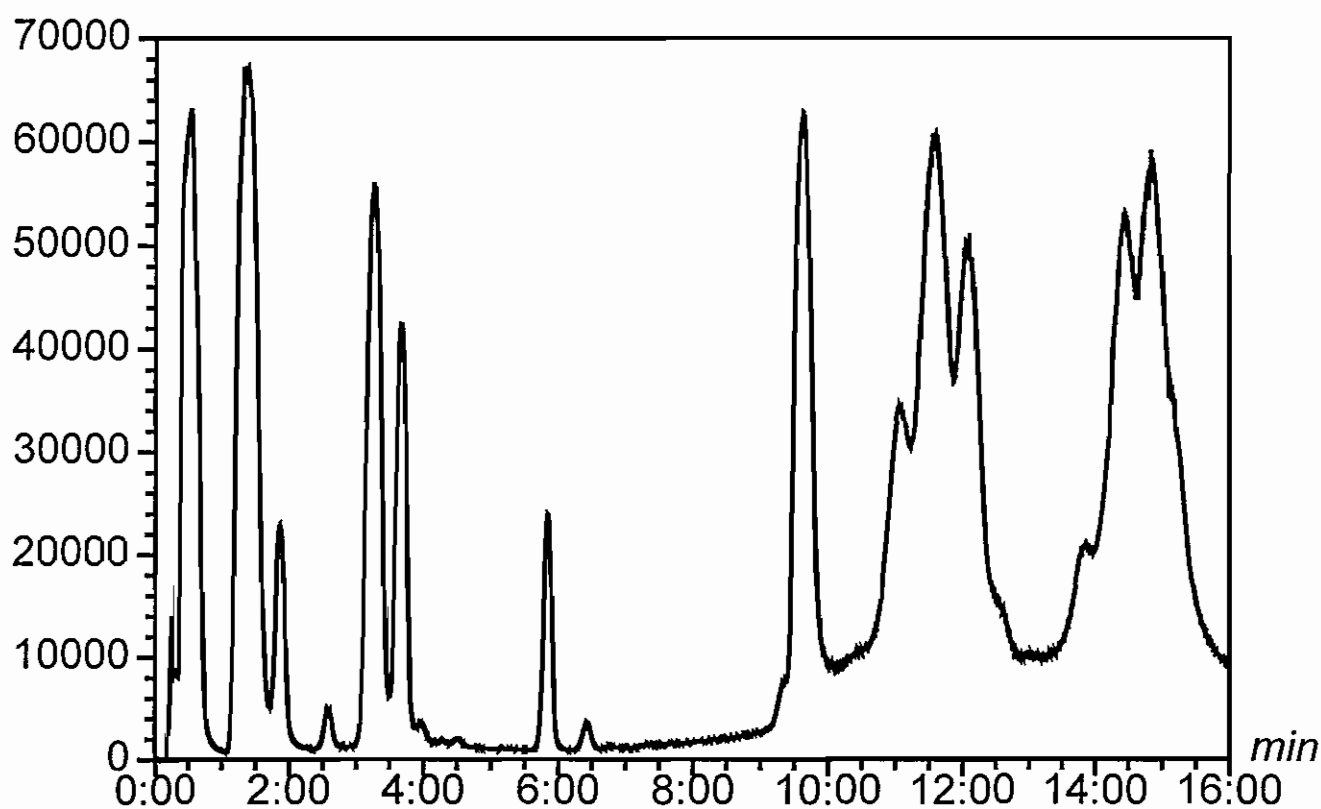
'C:\WPEAK\TO142.JOB' Run #212 9/28/99 5:43PM



INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
calibration ☐ 1.0 ppm TO-14

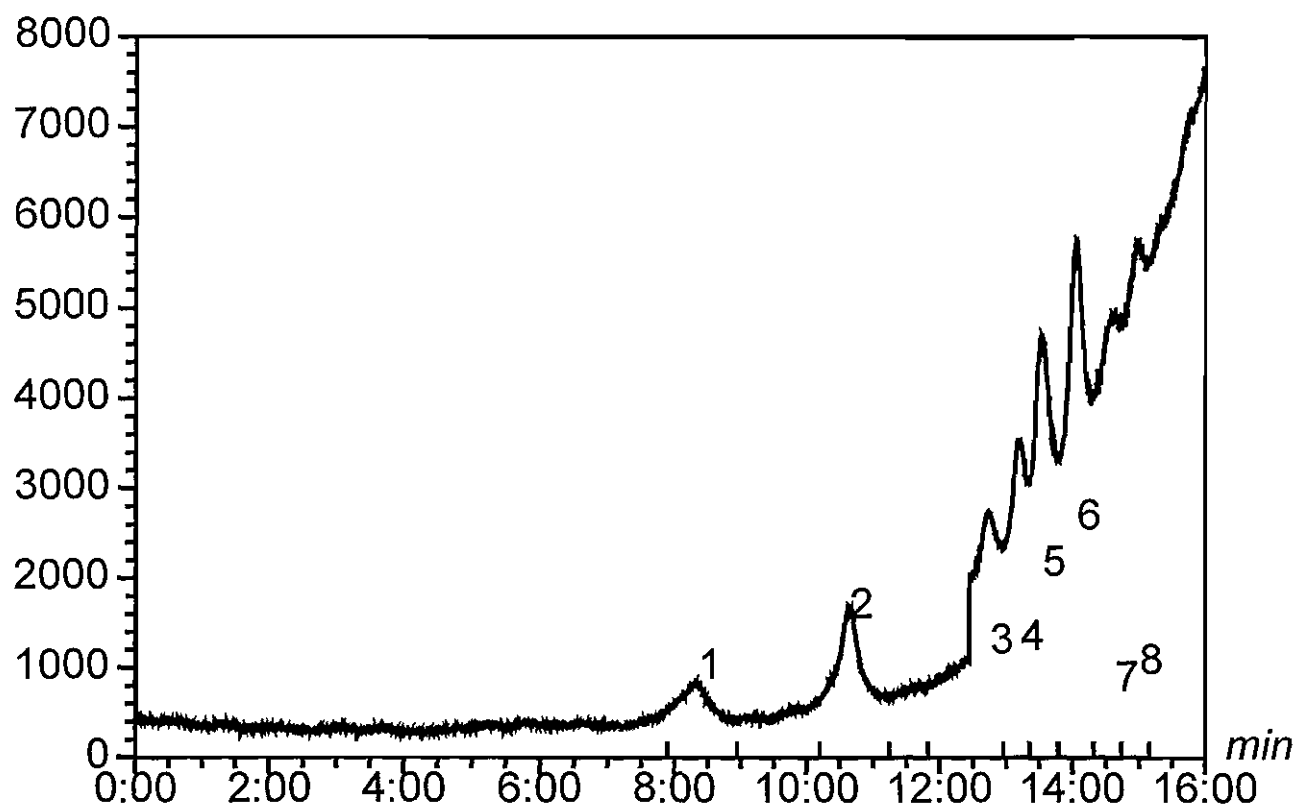
Cal failed

'C:\WPEAK\TO142.JOB' Run #212 9/28/99 5:43PM



```
INJ/DET Temp=180      Analysis time=16:00      Inject Time=0:10
Oven Temp=50          Sample Time=0:20
Syringe Inj=On        Alarms=Off              Paper Save=Off
Cont. Pump=Off
311 Plotter=Off        311 TWA=Off              311 STEL=Off
311 TWA Cycle=1        Calibration Cycle=0          Repeat Cycle=1
Comment:
calibration□□1.0 ppm TO-14
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'C:\WPEAK\TO142.JOB' Run #211 9/28/99 4:34PM



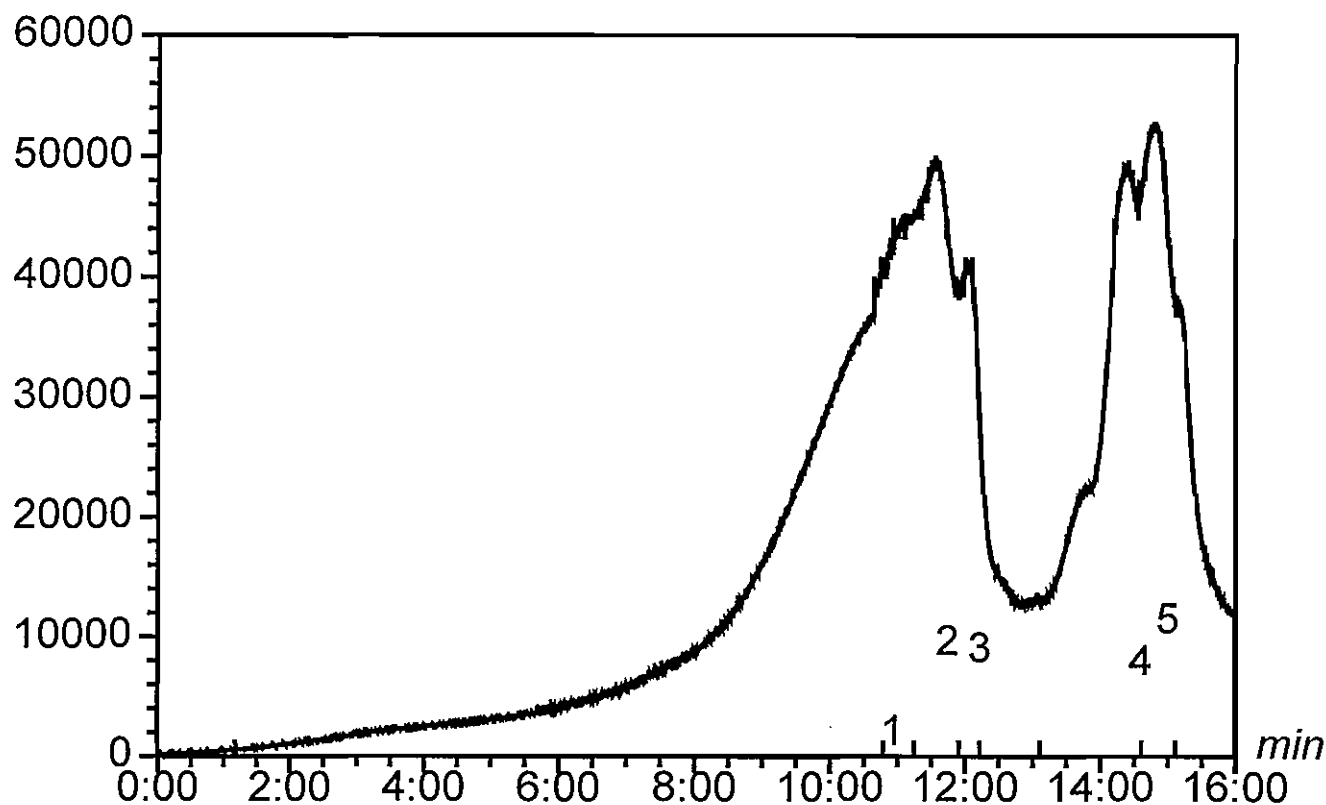
INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
first run carrier gas using N2 to make standards

Name	Conc	Height	Area	Time
1 styrene		343	240120	8:21
2 1,2,4-trimethylbenzene		1020	693096	10:39
3 1,3-dichlorobenzene		629	1486920	12:45
4 unknown		671	1171091	13:13
5 Carrier Gas Impurity		1489	1727038	13:33
6 unknown		2011	2404383	14:03
7 Carrier Gas Impurity		206	1940682	14:39
8 unknown		403	2366421	15:00

'C:\WPEAK\TO142.JOB' Run #211 9/28/99 4:34PM

	Name	Conc	Height	Area	Time
1	trichlorofluoromethane		434	75545	2:29
2	1,1-dichloroethane		726	820143	3:20
3	1,2-dichloroethane		251	119660	3:59
4	carbon tetrachloride		330	88126	5:30
5	unknown		294	54838	6:47
6	unknown		157	58474	8:25
7	Carrier Gas Impurity		2413	4289478	11:06
7	Carrier Gas Impurity		2413	4289478	11:06
8	unknown		23133	17243025	11:37
9	Carrier Gas Impurity		13156	9719175	12:06
10	unknown		1050	3329520	13:51
11	unknown		7740	8285820	14:28
12	Carrier Gas impurity		17110	14251440	14:51

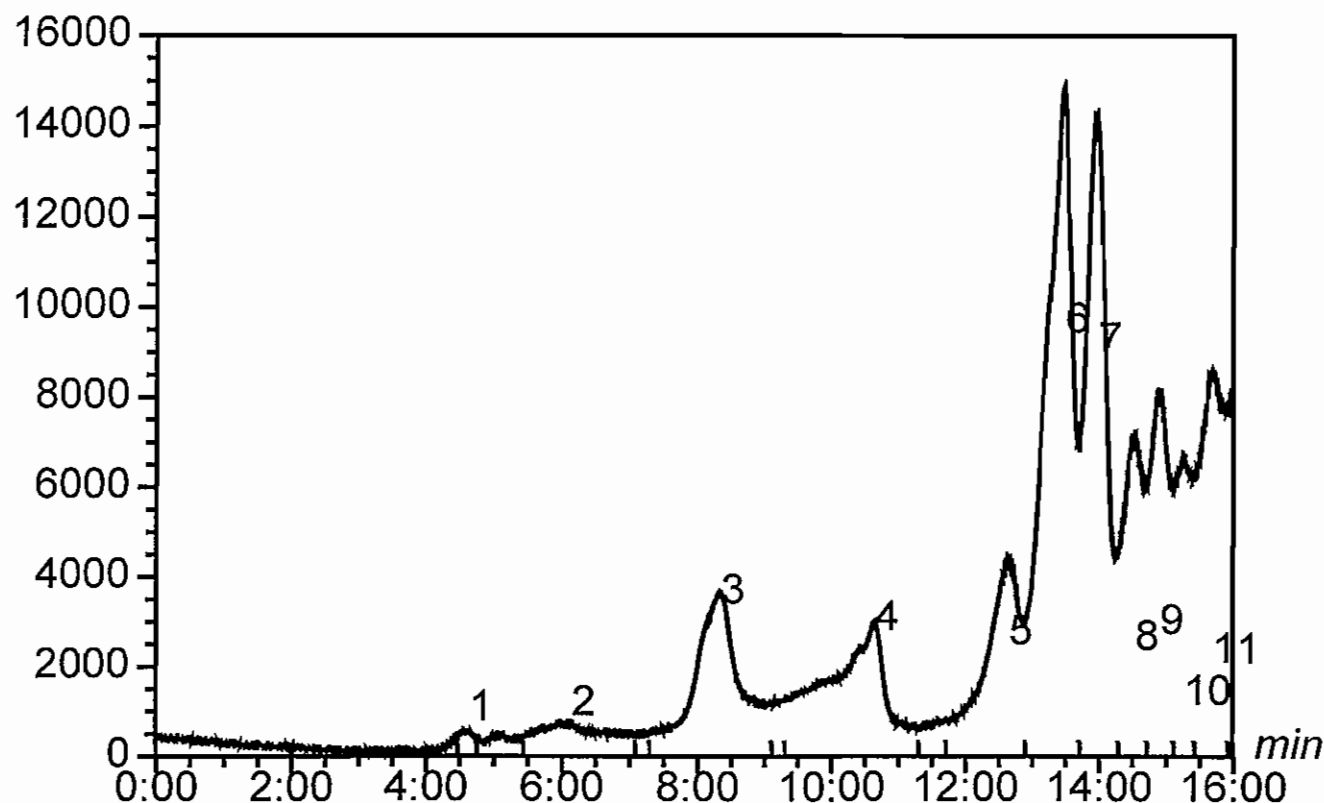
'C:\WPEAK\TO142.JOB' Run #210 9/28/99 3:49PM



INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
first run carrier gas□□

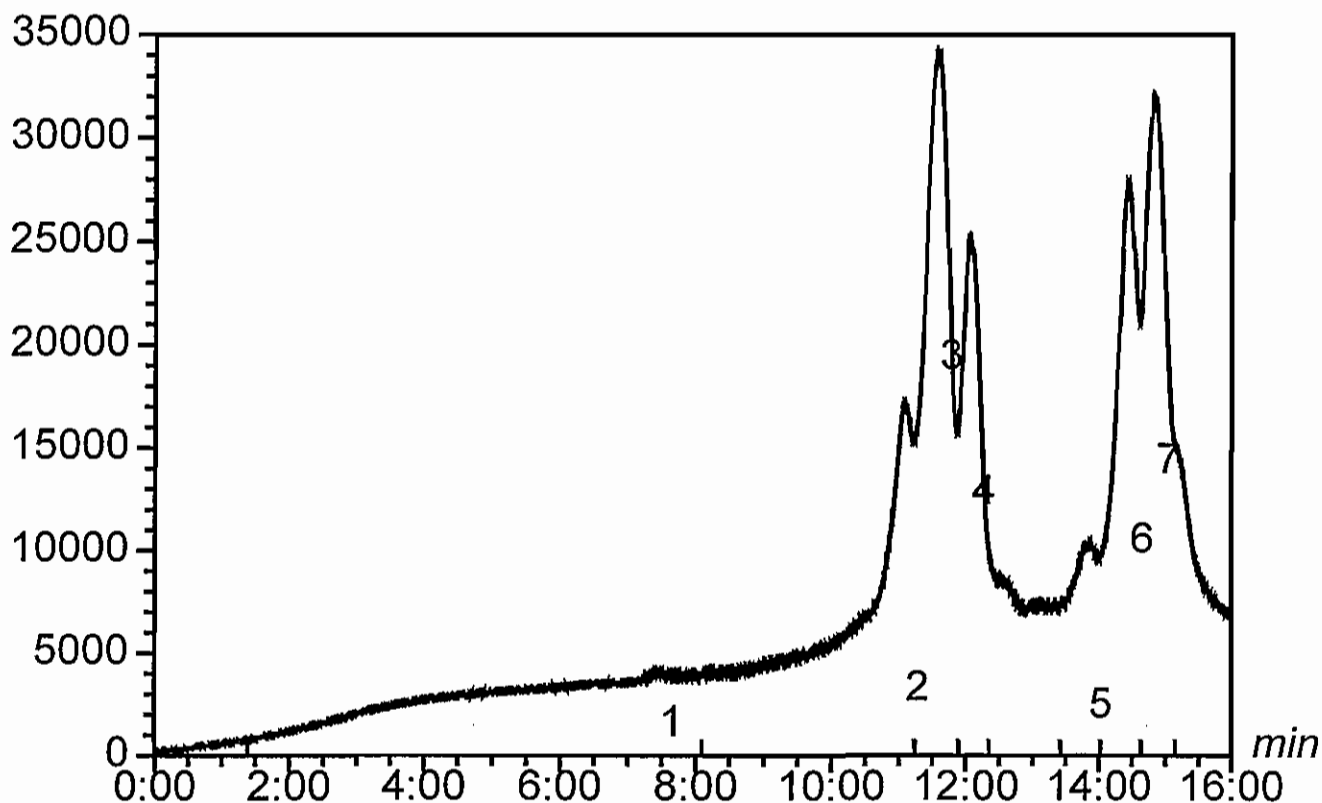
	Name	Conc	Height	Area	Time
1	unknown		-335	83336720	10:45
2	unknown		7507	33901129	11:34
3	Carrier Gas Impurity		6910	13992250	12:03
4	unknown		5822	46219216	14:25
5	Carrier Gas impurity		9316	28261601	14:49

'C:\WPEAK\TO142.JOB' Run #210 9/28/99 3:50PM



INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
first run carrier gas□□

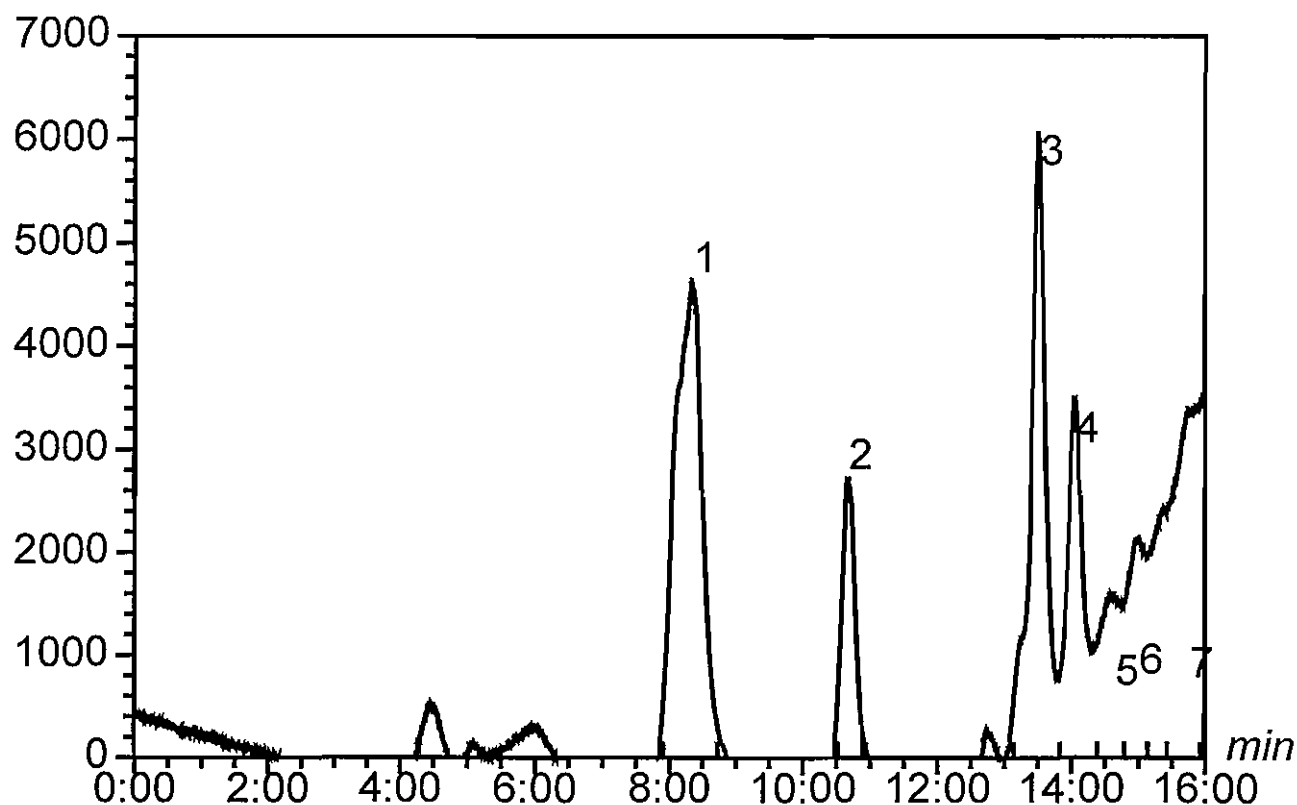
	Name	Conc	Height	Area	Time
1	toluene		128	29464	4:39
2	tetrachloroethene		241	308739	6:09
3	styrene		2734	2590267	8:21
4	1,2,4-trimethylbenzene		2129	2764707	10:39
5	1,3-dichlorobenzene		1819	2483347	12:39
6	Carrier Gas Impurity		8749	7942695	13:30
7	unknown		8307	5998423	13:59
8	Carrier Gas Impurity		1700	2733967	14:33
9	unknown		2057	2971256	14:54
10	unknown		487	2072095	15:16
11	1,4-dichlorobenzene		1427	4060465	15:42



INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
 Oven Temp=50 Sample Time=0:20
 Syringe Inj=On Alarms=Off Paper Save=Off
 Cont. Pump=Off
 311 Plotter=Off 311 TWA=Off 311 STEL=Off
 311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
 Comment:
 first run carrier gas□□

	Name	Conc	Height	Area	Time
1	unknown		379	19540727	7:29
2	Carrier Gas Impurity		2092	20771990	11:06
2	Carrier Gas Impurity		2092	20771990	11:06
3	unknown		18202	18584473	11:36
4	Carrier Gas Impurity		11644	10215754	12:06
5	unknown		1255	5971491	13:51
6	unknown		9310	13179163	14:28
7	Carrier Gas impurity		13165	14790462	14:51

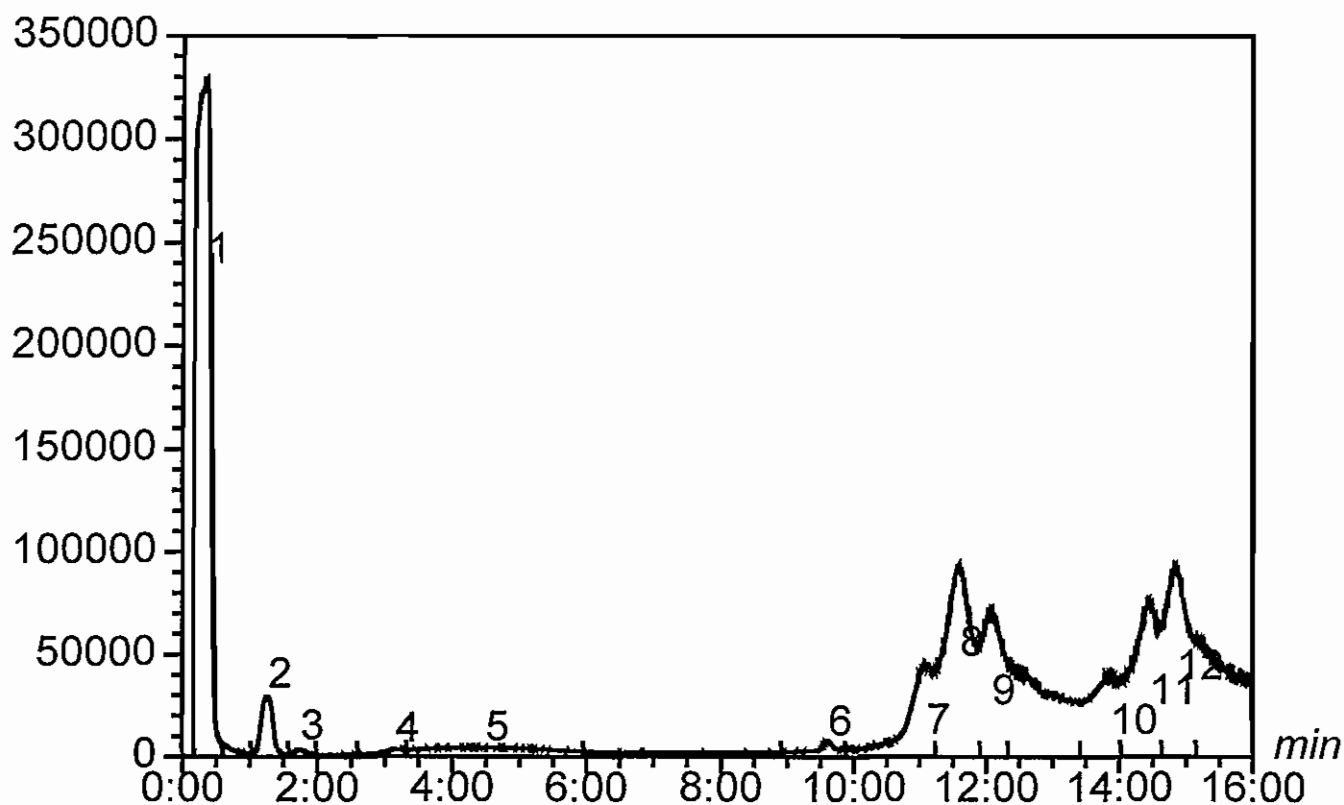
'C:\WPEAK\TO142.JOB' Run #209 9/27/99 9:02AM



INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
first run carrier gas□□

	Name	Conc	Height	Area	Time
1	styrene		4179	2214295	8:21
2	1,2,4-trimethylbenzene		2273	517494	10:42
3	Carrier Gas Impurity		5217	1592935	13:32
4	unknown		2534	933780	14:04
5	Carrier Gas Impurity		167	463561	14:39
6	unknown		279	593068	15:01
7	1,4-dichlorobenzene		250	1458490	15:46

'C:\WPEAK\TO142.JOB' Run #208 9/24/99 9:30PM



INJ/DET Temp=180

Analysis time=16:00

Inject Time=0:10

Oven Temp=50

Sample Time=0:20

Syringe Inj=On

Alarms=Off

Paper Save=Off

Cont. Pump=Off

311 Plotter=Off

311 TWA=Off

311 STEL=Off

311 TWA Cycle=1

Calibration Cycle=0

Repeat Cycle=1

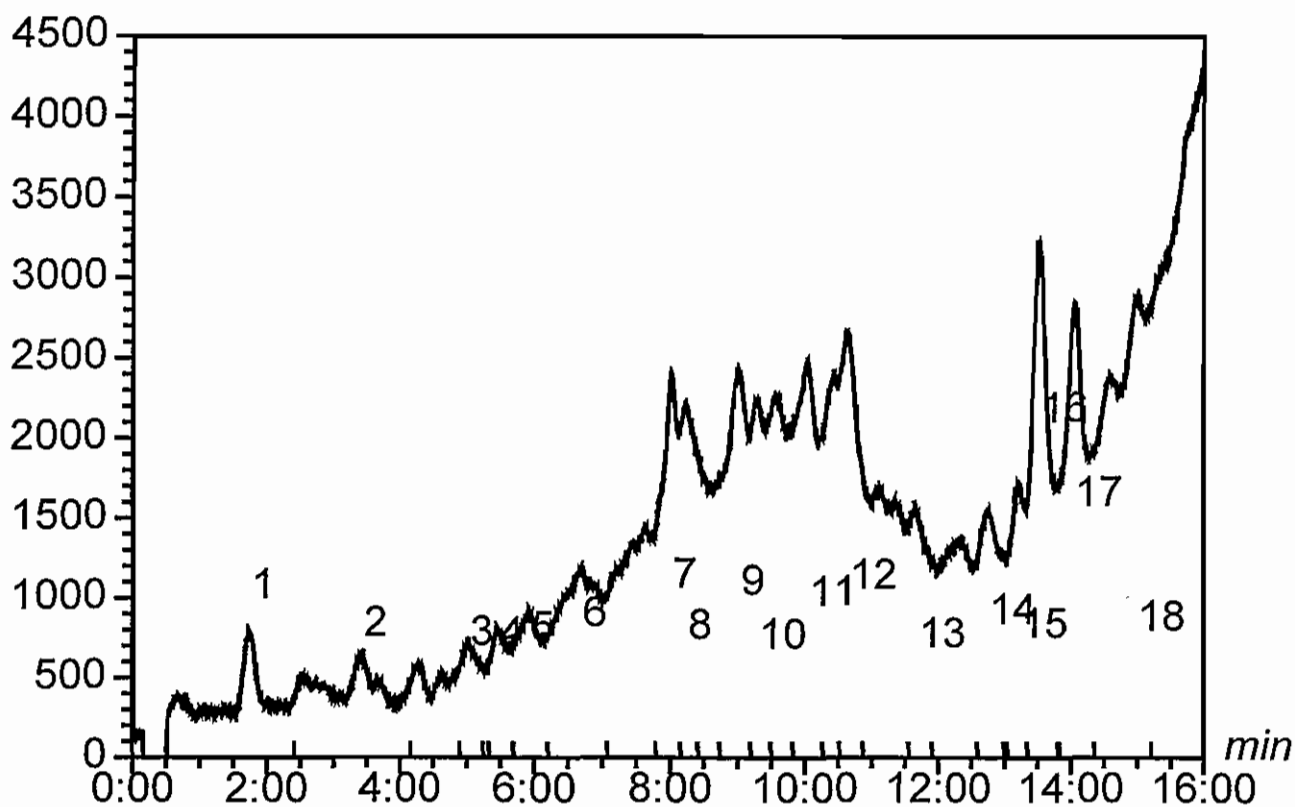
Comment:

s-alfgl000-4 feet

'C:\WPEAK\TO142.JOB' Run #208 9/24/99 9:30PM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	5.718	233757	95821376	0:21
2	1,2-dichlorotetrafluoroethane	0.310	27554	7453155	1:17
3	chloroethane	0.332	2277	856336	1:45
4	1,1,2-trichloro-1,2,2-trifluoroethane	0.116	745	1569282	3:10
5	unknown		1472	10386435	4:30
6	unknown		4330	3743886	9:38
7	Carrier Gas Impurity	3.904	5018	21665420	11:07
7	Carrier Gas Impurity	3.904	5018	21665420	11:07
8	unknown		43126	51335466	11:36
9	Carrier Gas Impurity	5.423	19528	30093260	12:06
10	unknown		4723	22448036	13:52
11	unknown		19489	38834853	14:27
12	Carrier Gas impurity	7.962	31500	44184393	14:51

'C:\WPEAK\TO142.JOB' Run #208 9/24/99 9:30PM



INJ/DET Temp=180

Oven Temp=50

Syringe Inj=On

Cont. Pump=Off

311 Plotter=Off

311 TWA Cycle=1

Comment:

s-alfg10 0-4 feet

Analysis time=16:00

Sample Time=0:20

Alarms=Off

311 TWA=Off

Calibration Cycle=0

Inject Time=0:10

Paper Save=Off

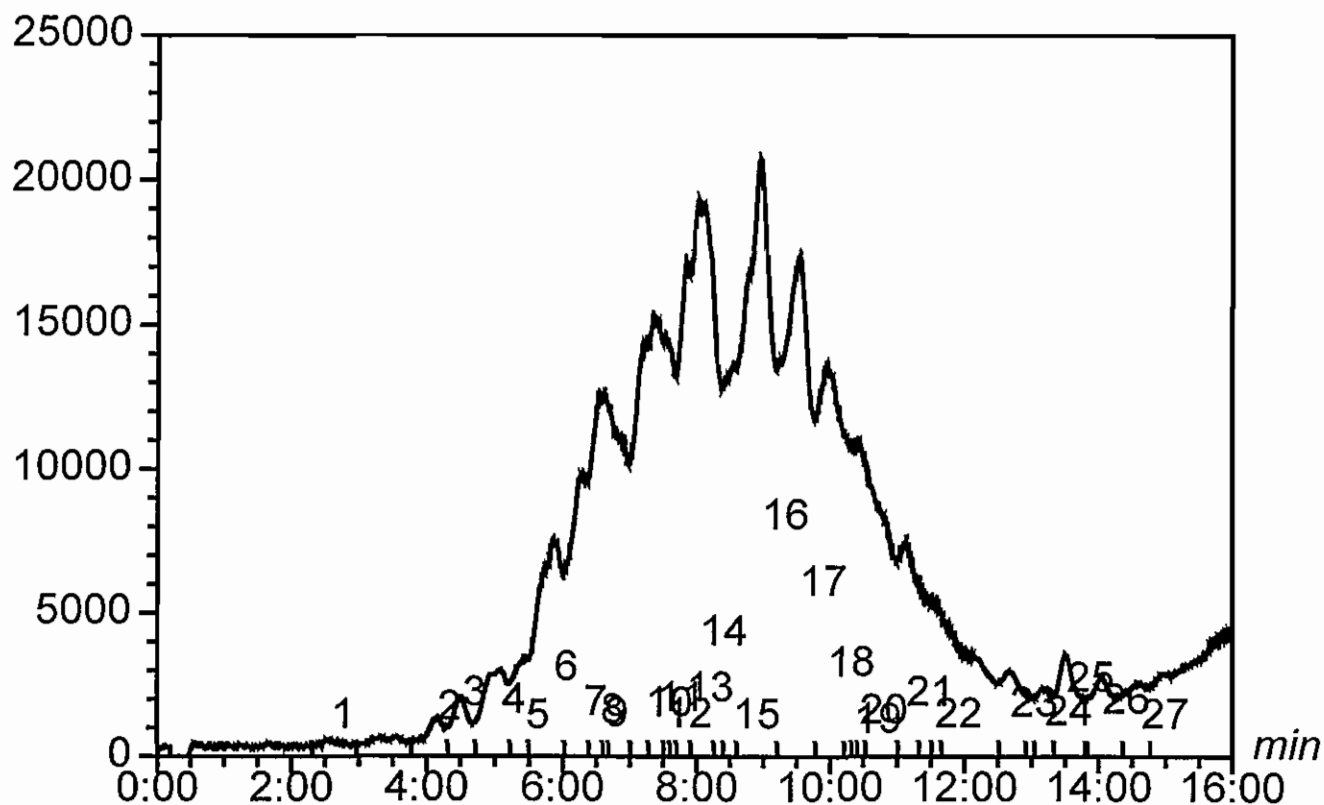
311 STEL=Off

Repeat Cycle=1

'C:\WPEAK\TO142.JOB' Run #208 9/24/99 9:30PM

	Name	Conc	Height	Area	Time
1	methylene chloride	1.035	430	319305	1:46
2	trichloroethene	0.660	192	448696	3:27
3	unknown		136	174672	5:03
4	unknown		131	204733	5:30
5	1,2-dibromoethane	0.646	166	342460	5:57
6	chlorobenzene	2.535	254	797455	6:43
6	ethylbenzene	2.535	254	797455	6:43
7	p-xylene	0.982	499	707676	8:03
8	styrene	1.256	178	579372	8:16
9	unknown		456	971701	9:03
10	o-xylene	1.711	121	647433	9:19
10	4-methyltoluene	1.324	121	647433	9:19
11	unknown		389	1011531	10:04
12	1,2,4-trimethylbenzene	0.368	493	865338	10:40
13	unknown		127	491468	11:42
14	1,3-dichlorobenzene	0.196	277	551149	12:46
15	unknown		189	449301	13:15
16	Carrier Gas Impurity	2.103	1534	1115746	13:33
17	unknown		1009	1172094	14:04
18	unknown		232	2148746	15:00

'C:\WPEAK\TO142.JOB' Run #207 9/24/99 9:00PM



INJ/DET Temp=180

Oven Temp=50

Syringe Inj=On

Cont. Pump=Off

311 Plotter=Off

311 TWA Cycle=1

Comment:

s-alfg9 8-12 feet

Analysis time=16:00

Sample Time=0:20

Alarms=Off

311 TWA=Off

Calibration Cycle=0

Inject Time=0:10

Paper Save=Off

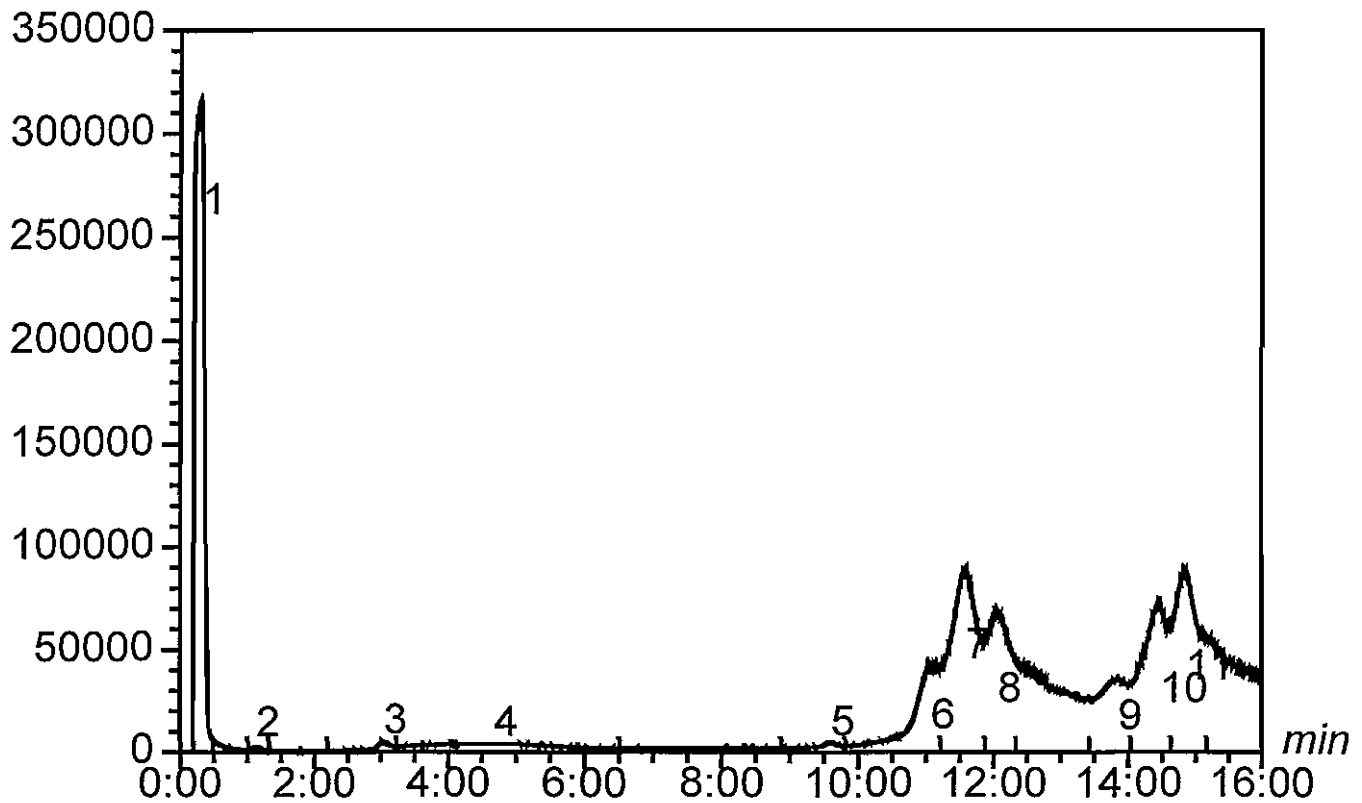
311 STEL=Off

Repeat Cycle=1

'C:\WPEAK\TO142.JOB' Run #207 9/24/99 9:00PM

	Name	Conc	Height	Area	Time
1	cis-1,2-dichloroethene	0.383	151	123478	2:36
2	trans-1,3-dichloropropene	0.315	416	332503	4:10
3	toluene	0.789	914	542885	4:32
4	unknown		684	1223590	5:06
5	unknown		123	851812	5:27
6	1,2-dibromoethane	6.371	1816	3379224	5:53
7	tetrachloroethene	8.440	608	3294969	6:19
8	chlorobenzene	8.415	320	2646782	6:34
8	ethylbenzene	8.415	320	2646782	6:34
9	chlorobenzene	4.346	210	1366877	6:38
9	ethylbenzene	4.346	210	1366877	6:38
10	m-xylene	8.369	574	3879352	7:15
11	unknown		749	3677868	7:25
12	unknown		199	1595527	7:33
13	p-xylene	5.076	1100	3659732	7:51
14	p-xylene	10.160	3065	7324838	8:03
15	unknown		163	2909601	8:33
16	unknown		7106	11344659	8:58
17	4-methyltoluene	19.184	4797	9383831	9:33
18	unknown		1977	6053409	9:58
19	unknown		-8	1026602	10:22
20	1,2,4-trimethylbenzene	0.682	302	1603060	10:27
21	unknown		943	2408030	11:09
22	unknown		179	914937	11:34
23	1,3-dichlorobenzene	0.390	569	1096546	12:42
24	unknown		269	615498	13:12
25	Carrier Gas Impurity	2.391	1443	1268212	13:32
26	unknown		681	1188492	14:04
27	Carrier Gas Impurity	1.823	157	966909	14:39

'C:\WPEAK\TO142.JOB' Run #207 9/24/99 9:00PM



INJ/DET Temp=180

Analysis time=16:00

Inject Time=0:10

Oven Temp=50

Sample Time=0:20

Syringe Inj=On

Alarms=Off

Paper Save=Off

Cont. Pump=Off

311 Plotter=Off

311 TWA=Off

311 STEL=Off

311 TWA Cycle=1

Calibration Cycle=0

Repeat Cycle=1

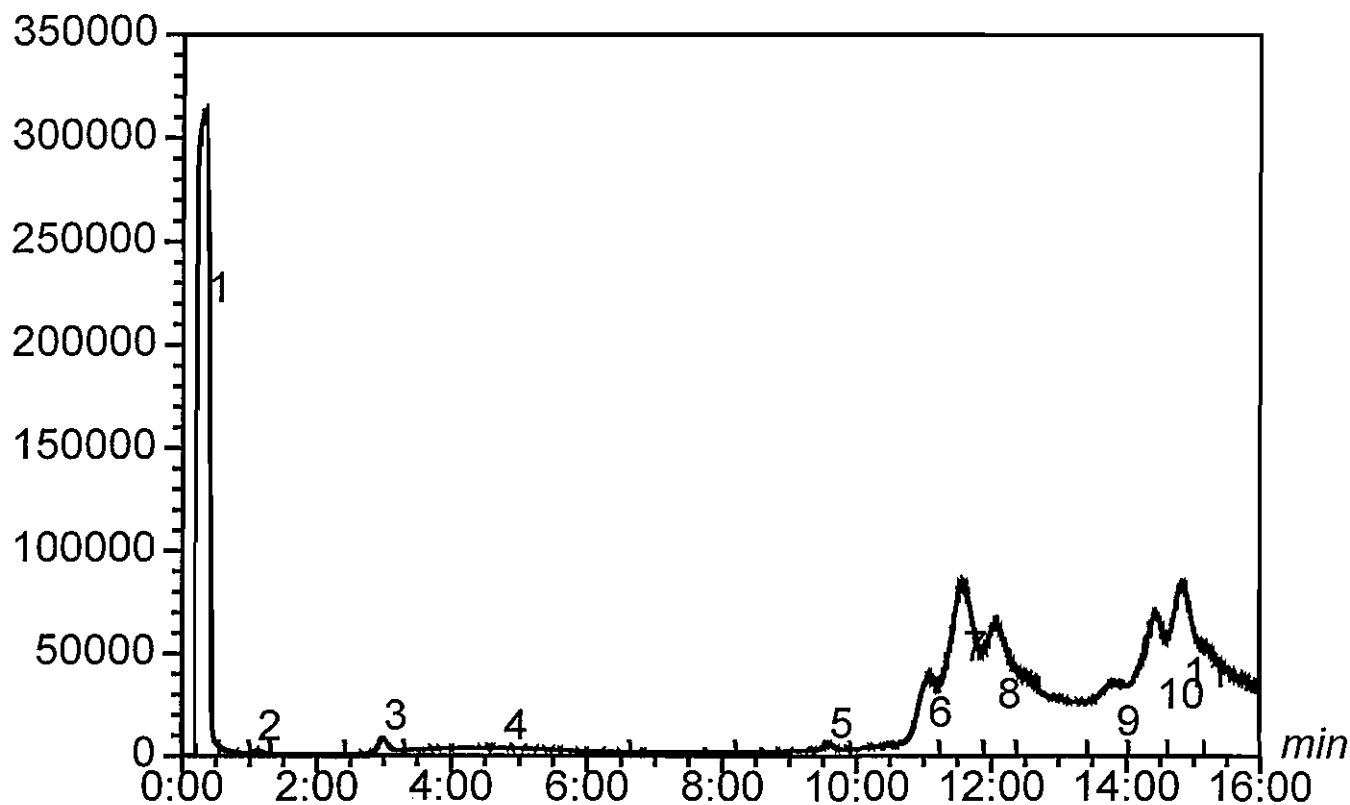
Comment:

s-alfg9 8-12 feet

'C:\WPEAK\TO142.JOB' Run #207 9/24/99 9:00PM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	3.721	255297	62364480	0:19
2	1,2-dichlorotetrafluoroethane	0.022	1556	523500	1:09
3	1,1,2-trichloro-1,2,2-trifluoroethane	0.130	2497	1755259	3:03
4	unknown		1695	10667577	4:41
5	unknown		2005	2736255	9:36
6	Carrier Gas Impurity	3.605	5235	20003148	11:05
6	Carrier Gas Impurity	3.605	5235	20003148	11:05
7	unknown		39709	49015073	11:36
8	Carrier Gas Impurity	5.693	18175	31589139	12:04
9	unknown		4534	21246359	13:51
10	unknown		17900	35856759	14:28
11	Carrier Gas impurity	7.780	28985	43174667	14:51

'C:\WPEAK\TO142.JOB' Run #206 9/24/99 8:31PM



INJ/DET Temp=180

Oven Temp=50

Syringe Inj=On

Cont. Pump=Off

311 Plotter=Off

311 TWA Cycle=1

Comment:

s-alfg9 4-8 feet

Analysis time=16:00

Sample Time=0:20

Alarms=Off

311 TWA=Off

Calibration Cycle=0

Inject Time=0:10

Paper Save=Off

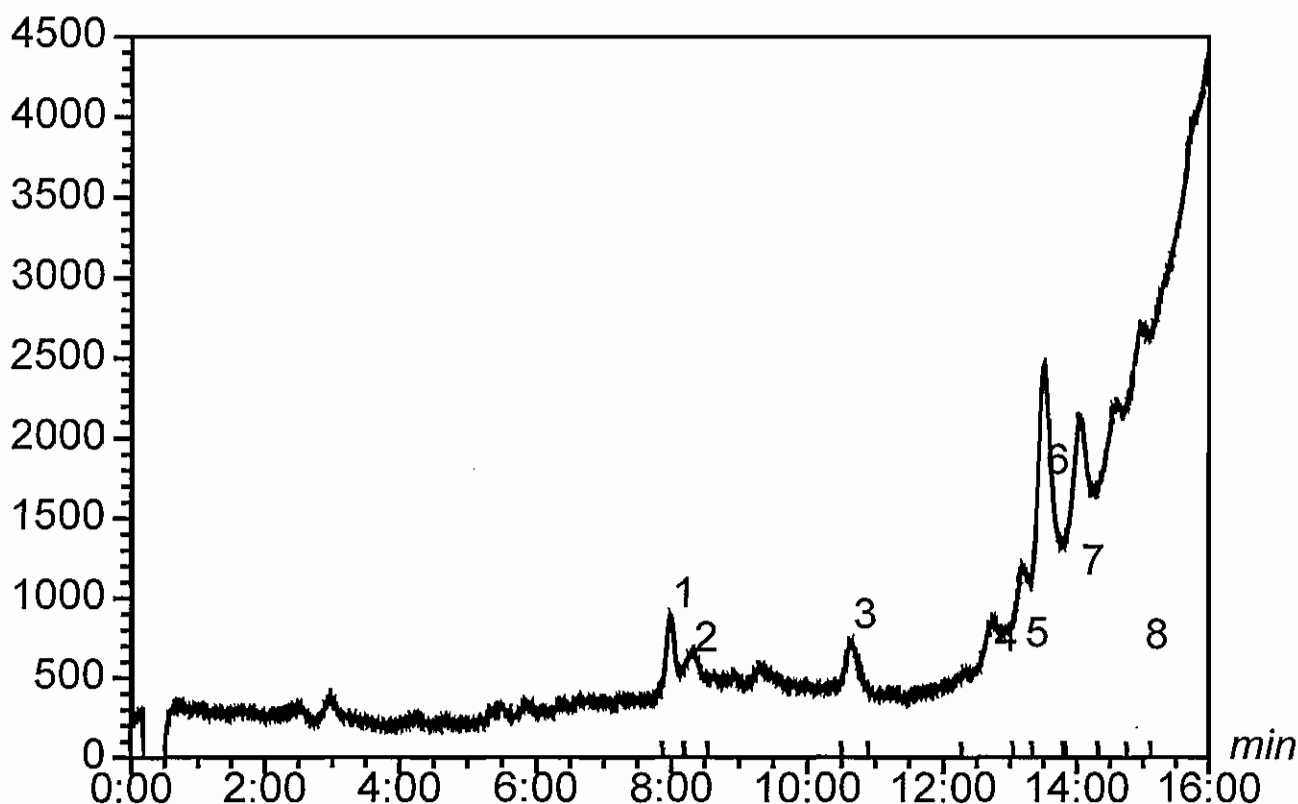
311 STEL=Off

Repeat Cycle=1

'C:\WPEAK\TO142.JOB' Run #206 9/24/99 8:31PM

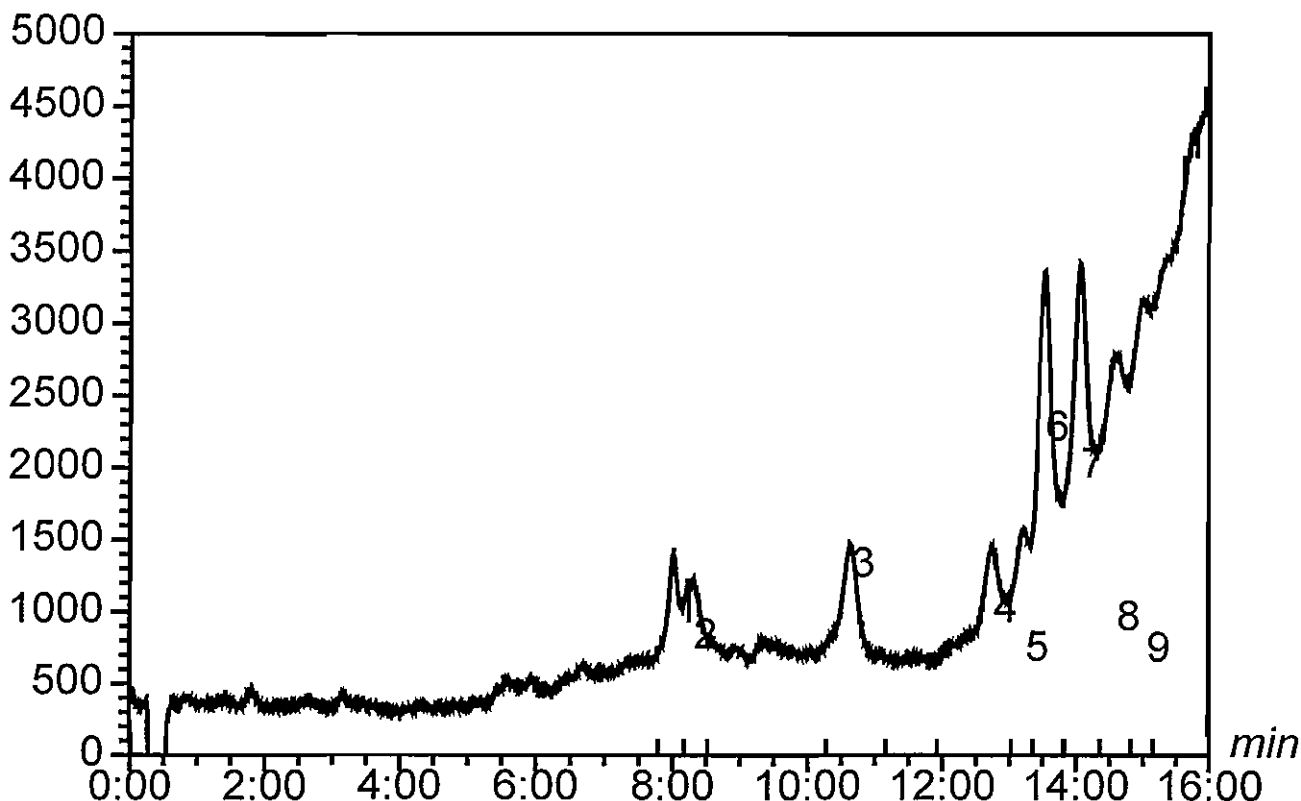
	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	4.296	214221	72001600	0:21
2	1,2-dichlorotetrafluoroethane	0.023	1372	557477	1:08
3	1,1,2-trichloro-1,2,2-trifluoroethane	0.182	6220	2458316	3:00
4	unknown		1486	10121878	4:47
5	unknown		2785	4791066	9:36
6	Carrier Gas Impurity	3.106	7859	17235746	11:05
6	Carrier Gas Impurity	3.106	7859	17235746	11:05
7	unknown		40210	45417308	11:36
8	Carrier Gas Impurity	5.595	17082	31046379	12:06
9	unknown		3676	21349410	13:51
10	unknown		16882	34847653	14:27
11	Carrier Gas impurity	7.608	27325	42220263	14:51

'C:\WPEAK\TO142.JOB' Run #206 9/24/99 8:31PM



INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
s-alfg9 4-8 feet

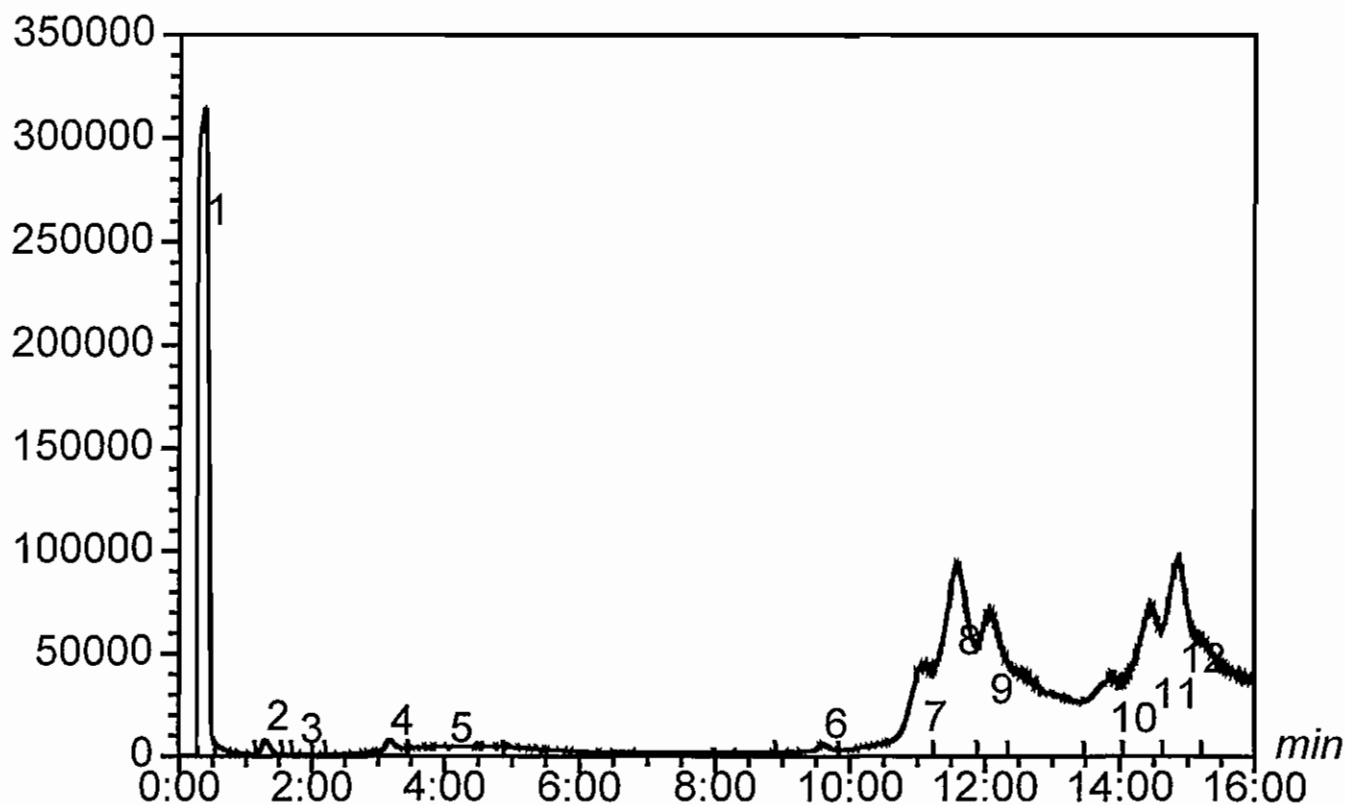
	Name	Conc	Height	Area	Time
1	p-xylene	0.187	379	134667	8:00
2	styrene	0.262	103	120886	8:21
3	1,2,4-trimethylbenzene	0.059	250	137673	10:40
4	1,3-dichlorobenzene	0.123	107	346601	12:46
5	unknown		133	253263	13:14
6	Carrier Gas Impurity	1.486	1215	788153	13:32
7	unknown		588	815301	14:04
8	unknown		119	934650	15:02



INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
 Oven Temp=50 Sample Time=0:20
 Syringe Inj=On Alarms=Off Paper Save=Off
 Cont. Pump=Off
 311 Plotter=Off 311 TWA=Off 311 STEL=Off
 311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
 Comment:
 s-alfg900-4 feet

Name	Conc	Height	Area	Time
1 p-xylene	0.358	415	257812	8:03
2 styrene	0.564	236	259985	8:19
3 1,2,4-trimethylbenzene	0.221	729	519302	10:39
4 1,3-dichlorobenzene	0.231	419	650605	12:46
5 unknown		147	351769	13:15
6 Carrier Gas Impurity	1.946	1678	1032363	13:33
7 unknown		1422	1229565	14:04
8 Carrier Gas Impurity	2.079	361	1103025	14:36
9 unknown		144	971355	15:03

'C:\WPEAK\TO142.JOB' Run #205 9/24/99 8:03PM



INJ/DET Temp=180
Oven Temp=50
Syringe Inj=On
Cont. Pump=Off
311 Plotter=Off
311 TWA Cycle=1
Comment:
s-alfg900-4 feet

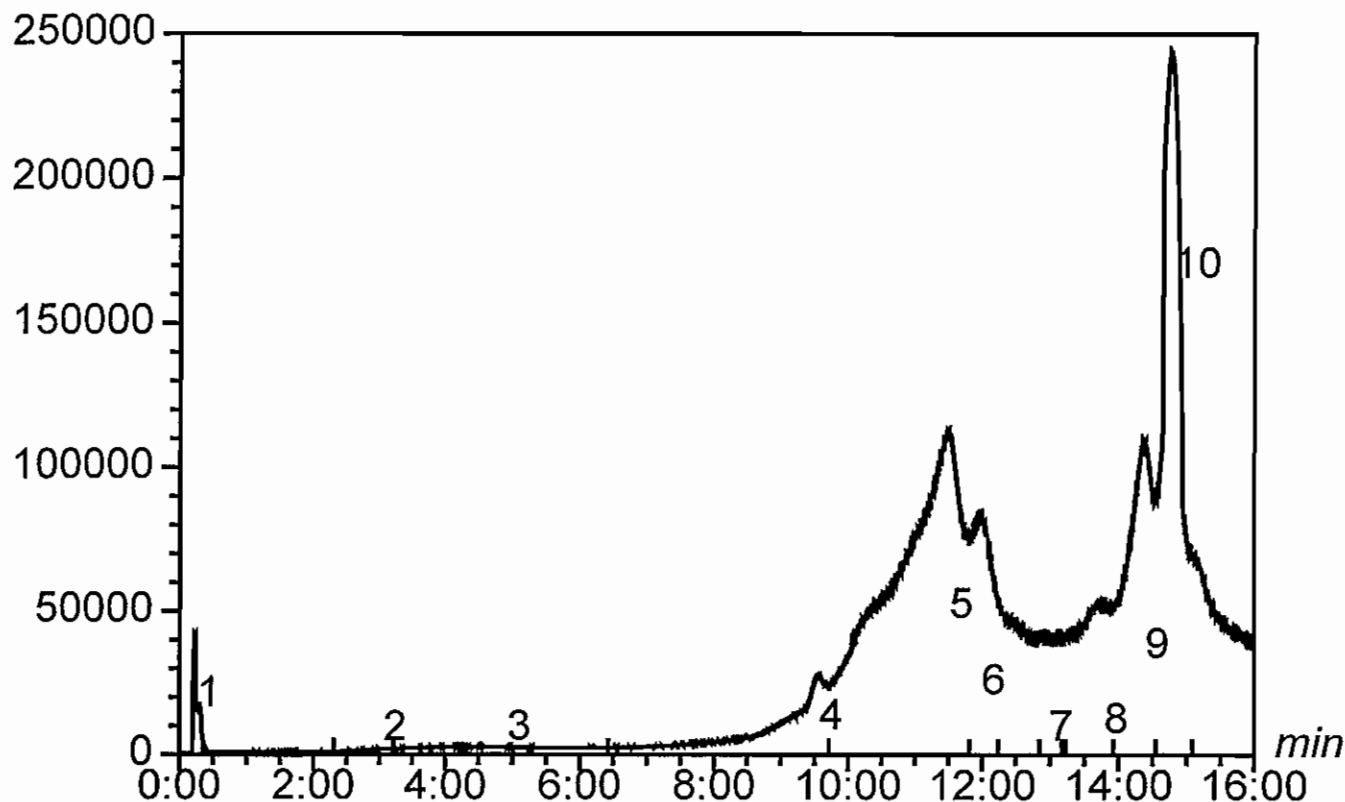
Analysis time=16:00
Sample Time=0:20
Alarms=Off
Paper Save=Off
311 TWA=Off
Calibration Cycle=0
311 STEL=Off
Repeat Cycle=1

Inject Time=0:10

'C:\WPEAK\TO142.JOB' Run #205 9/24/99 8:03PM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	3.598	252128	60301117	0:23
1	chloromethane	3.598	252128	60301117	0:23
2	1,2-dichlorotetrafluoroethane	0.060	6551	1437702	1:19
3	unknown		333	223390	1:50
4	unknown		4262	3111035	3:12
5	1,2-dichloroethane	6.595	499	6674375	4:05
6	unknown		2908	2956732	9:38
7	Carrier Gas Impurity	3.863	6273	21437732	11:06
7	Carrier Gas Impurity	3.863	6273	21437732	11:06
8	unknown		43557	49997960	11:36
9	Carrier Gas Impurity	5.805	19816	32210886	12:05
10	unknown		5369	21528096	13:51
11	unknown		17307	36062360	14:28
12	Carrier Gas impurity	8.879	34754	49270152	14:52

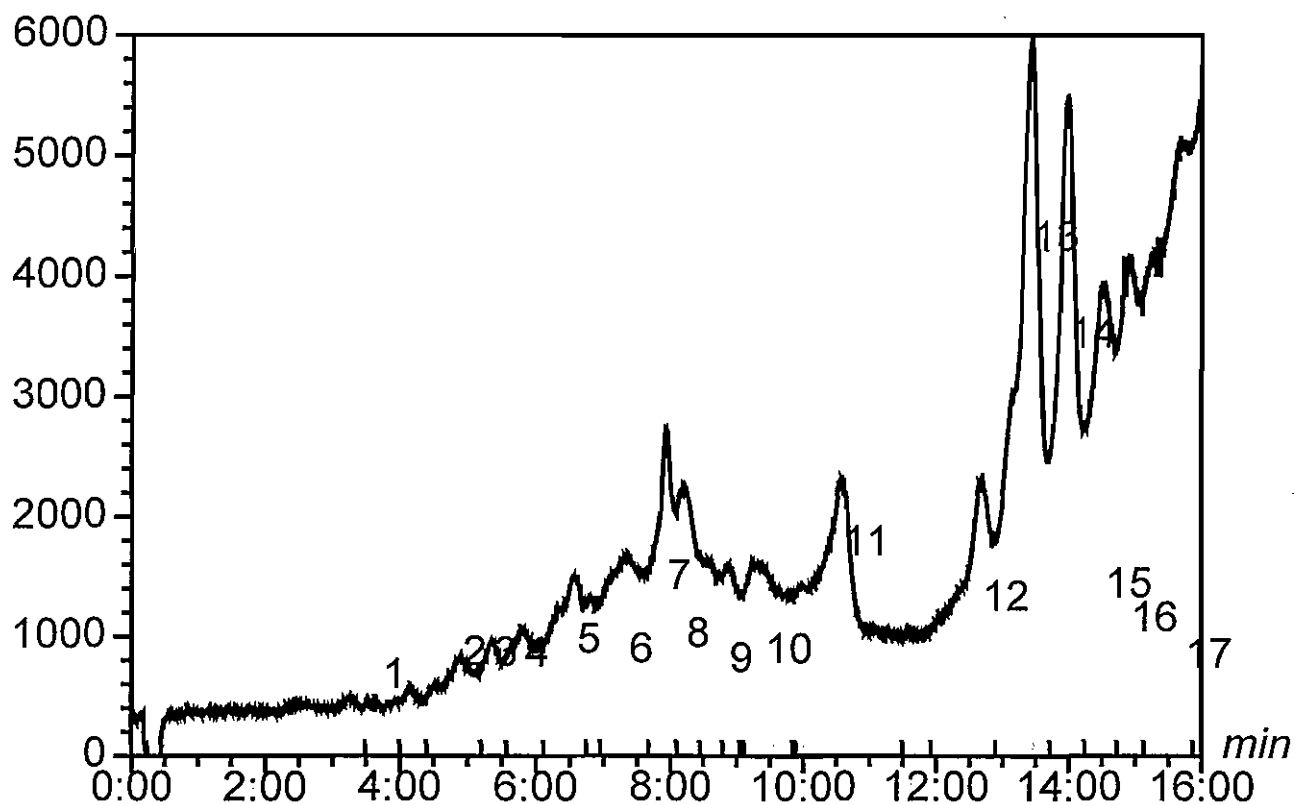
'C:\WPEAK\TO142.JOB' Run #204 9/24/99 7:31PM



INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
s-alfg8 8-12 feet 1.0 ml sample in 1000 ml N2

Name	Conc	Height	Area	Time
1 dichlorodifluoromethane	0.231	12088	3863424	0:15
2 1,1,2-trichloro-1,2,2-trifluoroethane	0.071	171	956790	3:03
3 unknown		374	7164767	4:55
4 unknown		4375	24394632	9:34
5 unknown		43186	154678867	11:30
6 Carrier Gas Impurity	6.540	16556	36291362	12:00
7 unknown		497	15378622	12:59
8 unknown		3020	36382783	13:47
9 unknown		29236	56952854	14:23
10 Carrier Gas impurity	17.209	161295	95499183	14:47

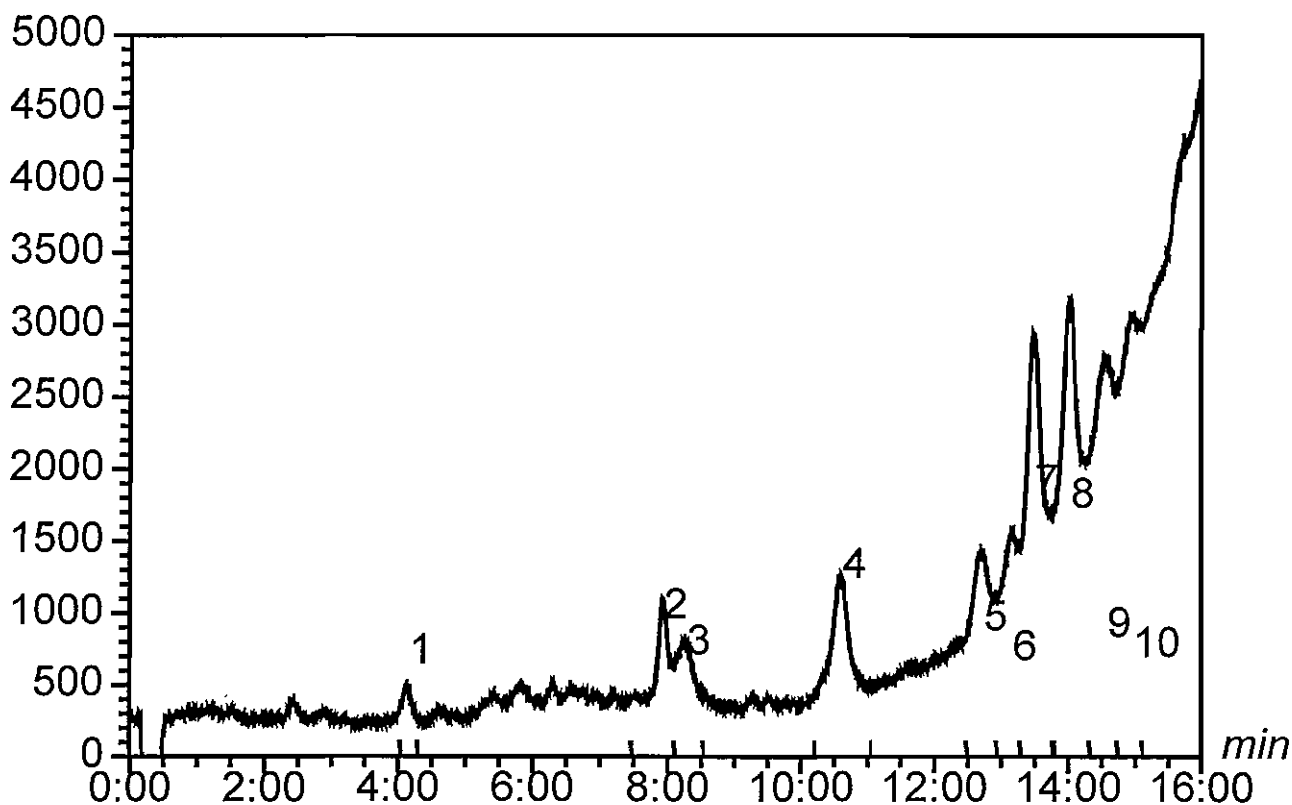
'C:\WPEAK\T0142.JOB' Run #204 9/24/99 7:32PM



INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
s-alfg8 8-12 feet 1.0 ml sample in 1000 ml N2

'C:\WPEAK\TO142.JOB' Run #204 9/24/99 7:32PM

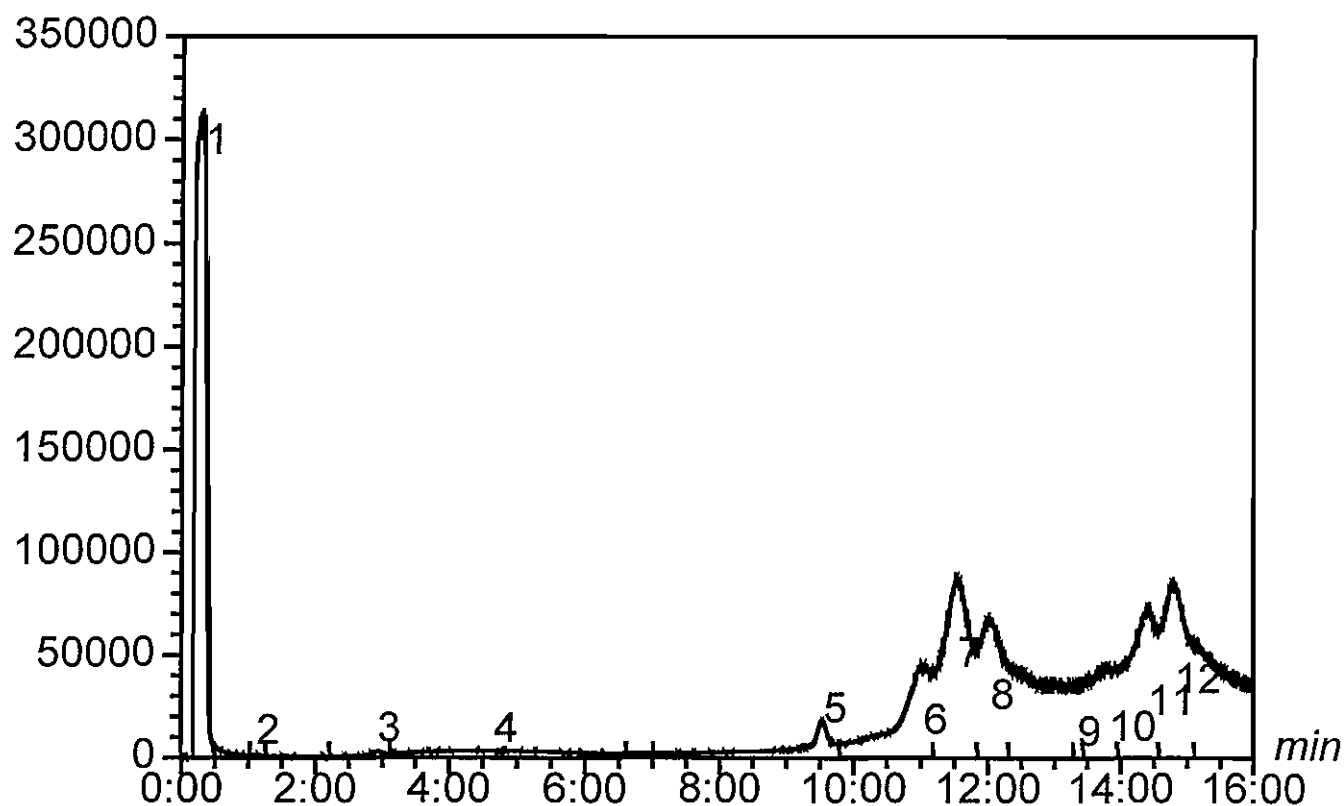
	Name	Conc	Height	Area	Time
1	cis-1,3-dichloropropene	0.131	-15	48284	3:45
2	unknown		178	292879	4:56
3	unknown		171	210735	5:23
4	1,2-dibromoethane	0.706	173	374476	5:51
5	chlorobenzene	2.022	279	636090	6:36
5	ethylbenzene	2.022	279	636090	6:36
6	unknown		200	953304	7:24
7	p-xylene	1.159	815	835637	7:57
8	styrene	1.489	332	686622	8:15
9	unknown		125	356856	8:54
10	4-methyltoluene	1.896	202	927531	9:26
11	1,2,4-trimethylbenzene	0.828	1098	1946292	10:36
12	1,3-dichlorobenzene	0.473	641	1330104	12:42
13	Carrier Gas Impurity	5.479	3630	2906360	13:27
14	unknown		2828	2063649	14:00
15	Carrier Gas Impurity	3.166	749	1679526	14:33
16	unknown		464	1572698	14:56
17	1,4-dichlorobenzene	0.925	165	3453832	15:45



INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
 Oven Temp=50 Sample Time=0:20
 Syringe Inj=On Alarms=Off Paper Save=Off
 Cont. Pump=Off
 311 Plotter=Off 311 TWA=Off 311 STEL=Off
 311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
 Comment:
 s-alfg8 4-8 feet

	Name	Conc	Height	Area	Time
1	trans-1,3-dichloropropene	0.034	168	36208	4:10
2	p-xylene	0.311	485	223912	7:57
3	styrene	0.405	236	186862	8:18
4	1,2,4-trimethylbenzene	0.187	766	439524	10:38
5	1,3-dichlorobenzene	0.165	402	465105	12:45
6	unknown		195	428978	13:11
7	Carrier Gas Impurity	1.961	1348	1040134	13:30
8	unknown		1256	1250994	14:02
9	Carrier Gas Impurity	1.988	357	1054605	14:35
10	unknown		220	1104870	14:58

'C:\WPEAK\TO142.JOB' Run #203 9/24/99 6:30PM



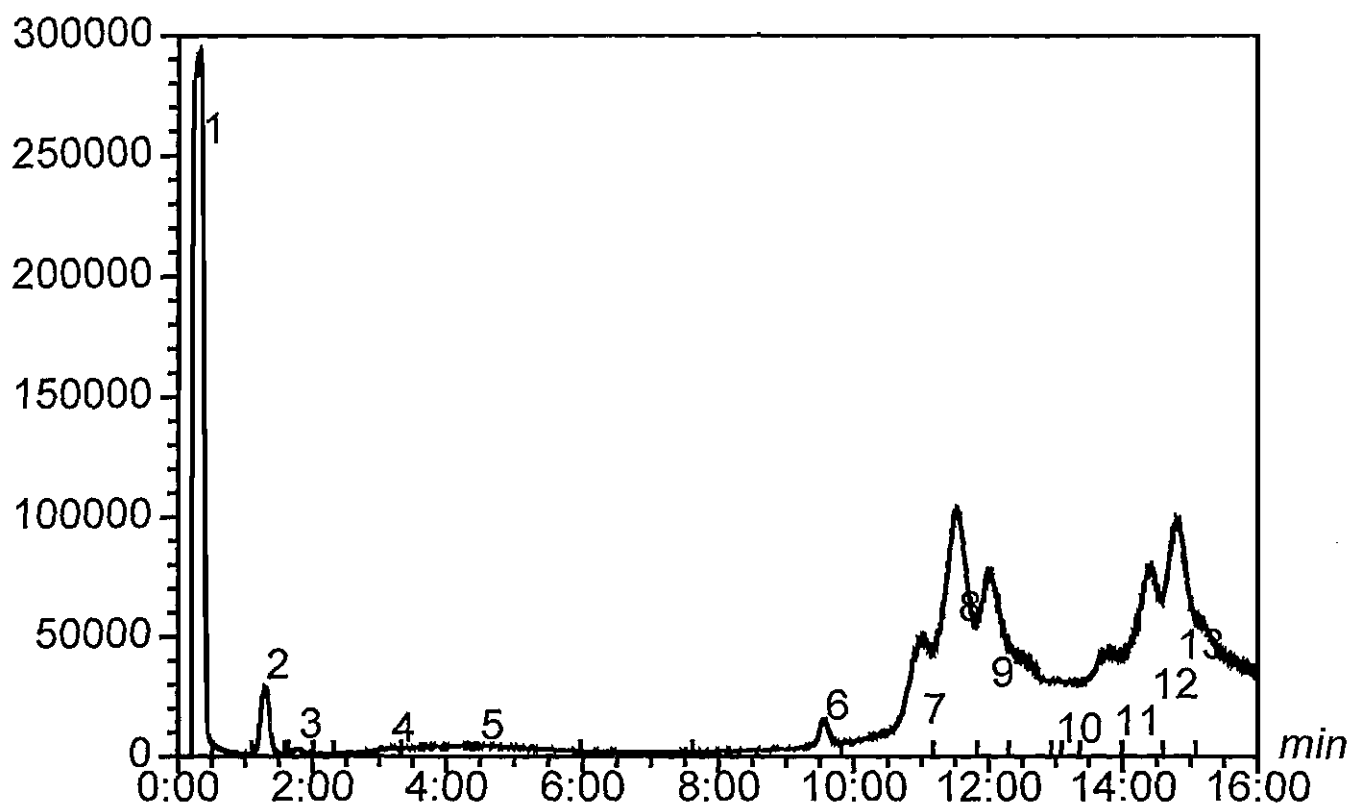
INJ/DET Temp=180
Oven Temp=50
Syringe Inj=On
Cont. Pump=Off
311 Plotter=Off
311 TWA Cycle=1
Comment:
s-alfg8□□4-8 feet

Analysis time=16:00 Inject Time=0:10
Sample Time=0:20
Alarms=Off Paper Save=Off
311 TWA=Off 311 STEL=Off
Calibration Cycle=0 Repeat Cycle=1

'C:\WPEAK\TO142.JOB' Run #203 9/24/99 6:30PM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	4.055	286850	67956671	0:19
2	1,2-dichlorotetrafluoroethane	0.012	355	277446	1:08
3	1,1,2-trichloro-1,2,2-trifluoroethane	0.087	1373	1173708	2:56
4	unknown		1391	10270225	4:40
5	unknown		11326	12244911	9:33
6	Carrier Gas Impurity	5.035	5691	27937941	11:03
6	Carrier Gas Impurity	5.035	5691	27937941	11:03
7	unknown		38387	48306907	11:33
8	Carrier Gas Impurity	5.608	17863	31119009	12:03
9	unknown		-77	5967276	13:21
10	unknown		2071	23961862	13:50
11	unknown		14914	39410971	14:24
12	Carrier Gas impurity	7.833	25378	43467495	14:48

'C:\WPEAK\TO142.JOB' Run #202 9/24/99 5:57PM

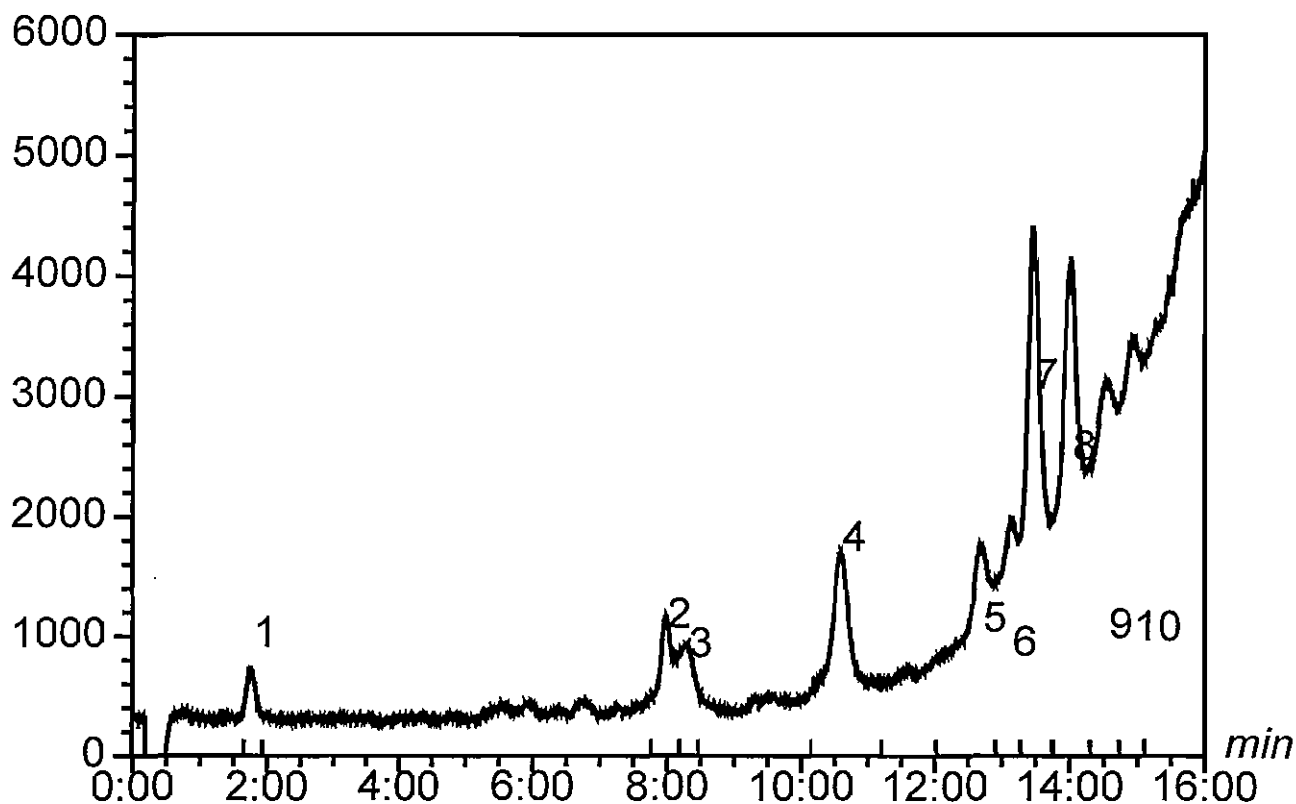


INJ/DET Temp=180
Oven Temp=50
Syringe Inj=On
Cont. Pump=Off
311 Plotter=Off
311 TWA Cycle=1
Comment:
s-alfg8 0-4 feet

Analysis time=16:00 Inject Time=0:10
Sample Time=0:20
Alarms=Off Paper Save=Off
311 TWA=Off 311 STEL=Off
Calibration Cycle=0 Repeat Cycle=1

'C:\WPEAK\TO142.JOB' Run #202 9/24/99 5:57PM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	3.719	249833	62333915	0:20
2	1,2-dichlorotetrafluoroethane	0.223	27078	5377120	1:18
3	chloroethane	0.263	2167	679695	1:48
4	unknown		624	2008483	3:11
5	unknown		1471	9589178	4:30
6	unknown		9814	8541307	9:35
7	Carrier Gas Impurity	4.936	8363	27388550	11:01
7	Carrier Gas Impurity	4.936	8363	27388550	11:01
8	unknown		51214	55114458	11:33
9	Carrier Gas Impurity	6.145	23738	34097506	12:02
10	unknown		192	5727051	13:00
11	unknown		3332	26576060	13:51
12	unknown		18711	41008460	14:24
13	Carrier Gas impurity	8.114	35115	45026090	14:48

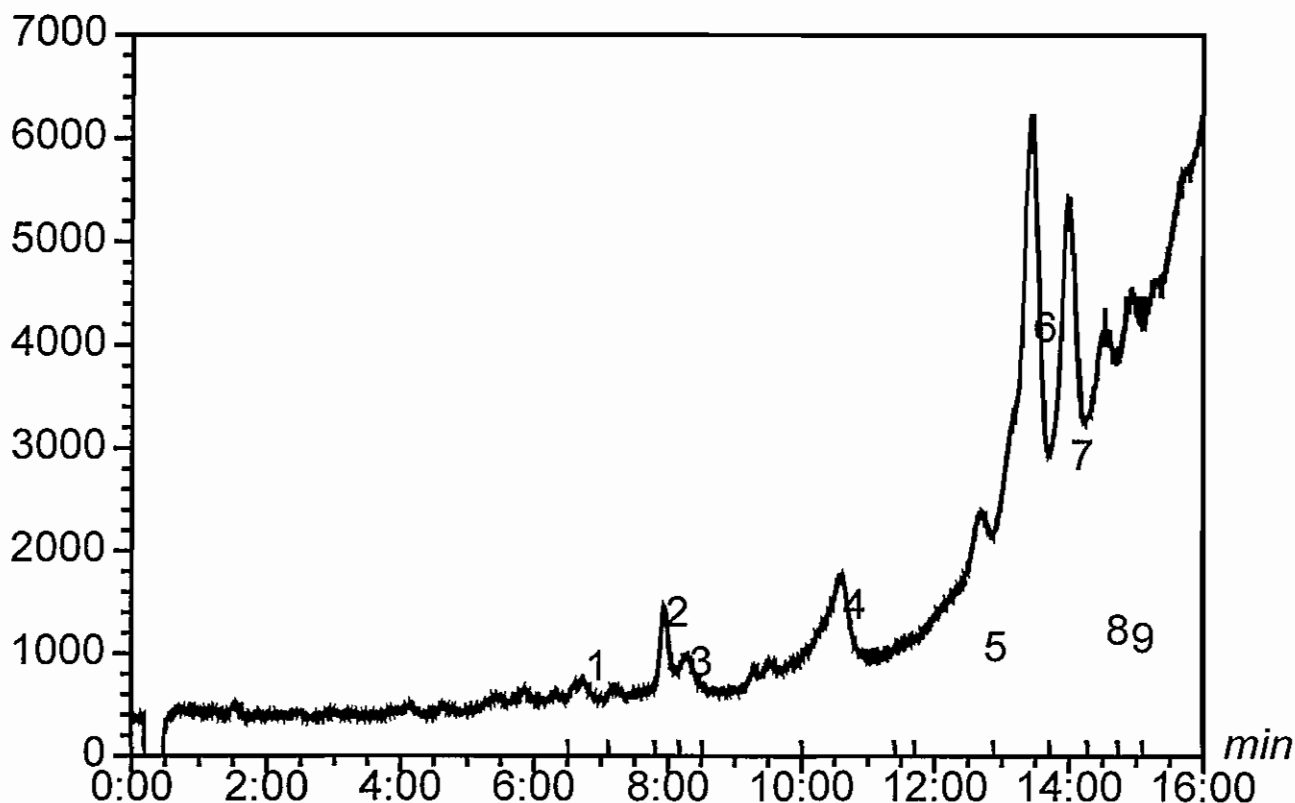


INJ/DET Temp=180
Oven Temp=50
Syringe Inj=On
Cont. Pump=Off
311 Plotter=Off
311 TWA Cycle=1
Comment:
s-alfg8□□0-4 feet

Analysis time=16:00
Sample Time=0:20
Alarms=Off
Paper Save=Off
311 TWA=Off
311 STEL=Off
Calibration Cycle=0
Repeat Cycle=1

Inject Time=0:10

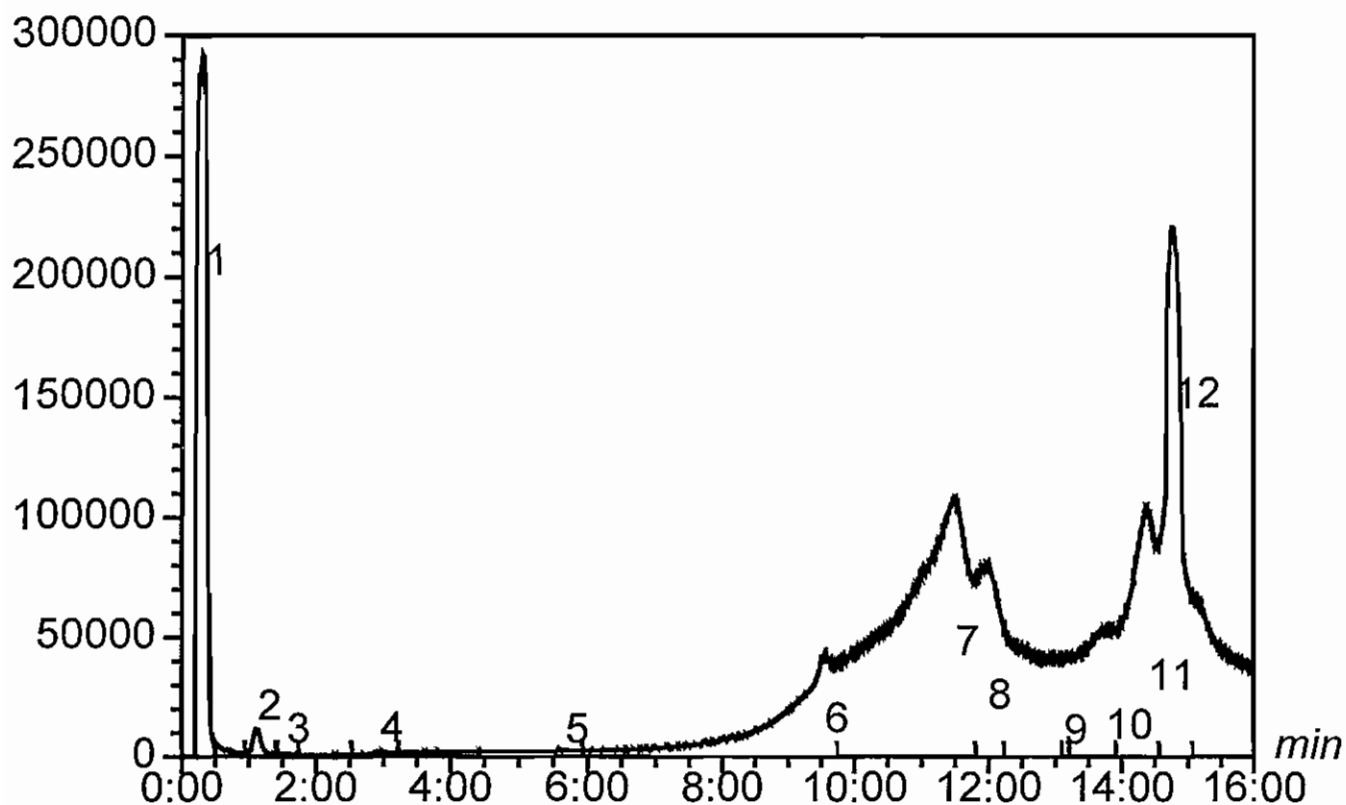
Name	Conc	Height	Area	Time
1 methylene chloride	0.203	309	62782	1:48
2 p-xylene	0.305	463	219948	8:00
3 styrene	0.332	218	152943	8:19
4 1,2,4-trimethylbenzene	0.273	1106	641631	10:37
5 1,3-dichlorobenzene	0.293	430	823750	12:43
6 unknown		230	558382	13:10
7 Carrier Gas Impurity	2.589	2459	1373171	13:29
8 unknown		1863	1546119	14:02
9 Carrier Gas Impurity	2.273	384	1205910	14:34
10 unknown		357	1228530	14:57



INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
 Oven Temp=50 Sample Time=0:20
 Syringe Inj=On Alarms=Off Paper Save=Off
 Cont. Pump=Off
 311 Plotter=Off 311 TWA=Off 311 STEL=Off
 311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
 Comment:
 s-alfg3 8-12 feet

	Name	Conc	Height	Area	Time
1	ethylbenzene	0.542	135	170429	6:46
2	p-xylene	0.367	659	264784	7:58
3	styrene	0.430	174	198430	8:19
4	1,2,4-trimethylbenzene	0.551	732	1296562	10:37
5	1,3-dichlorobenzene	0.609	323	1712331	12:44
6	Carrier Gas Impurity	6.085	3432	3227817	13:27
7	unknown		2191	2315490	14:00
8	Carrier Gas Impurity	3.306	487	1753698	14:33
9	unknown		410	1640670	14:55

'C:\WPEAK\TO142.JOB' Run #201 9/24/99 5:15PM



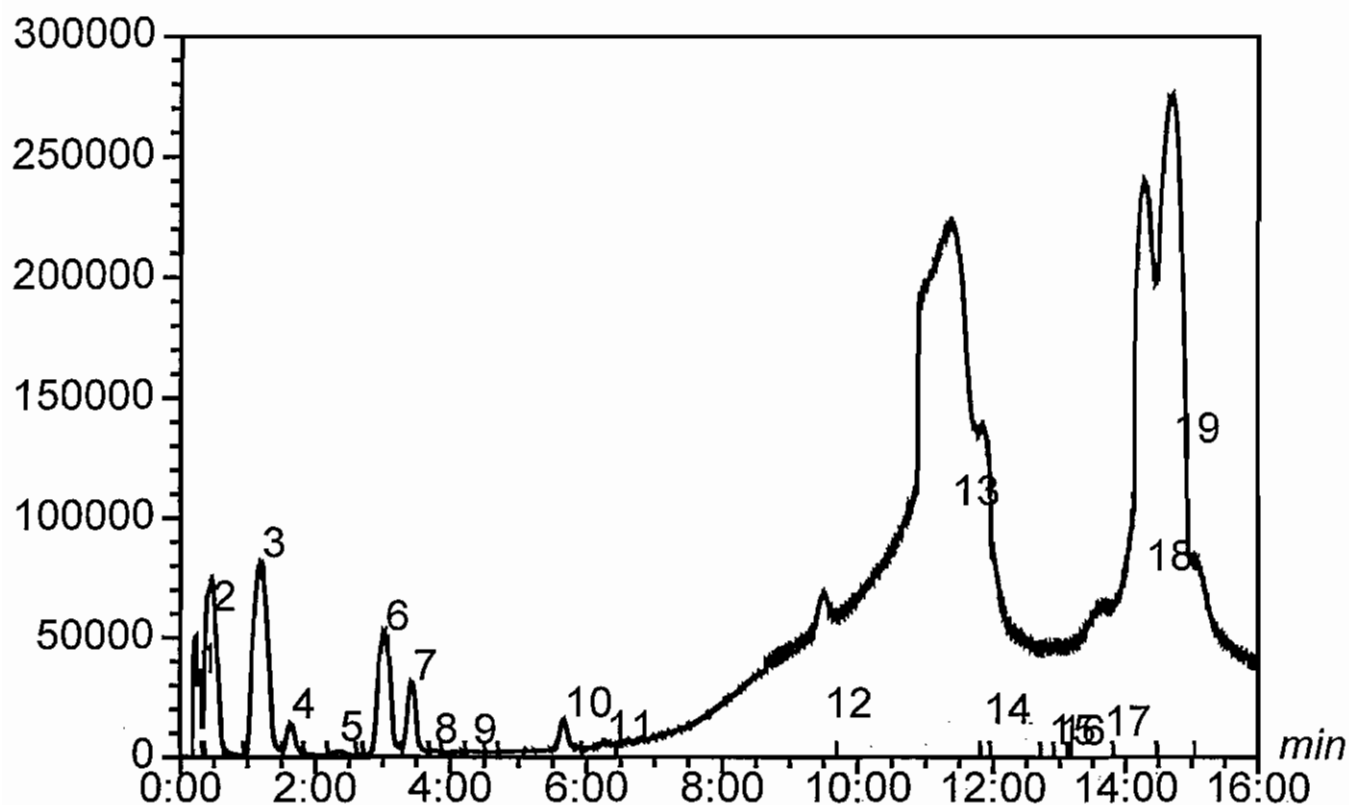
INJ/DET Temp=180
Oven Temp=50
Syringe Inj=On
Cont. Pump=Off
311 Plotter=Off
311 TWA Cycle=1
Comment:
s-alfg3 8-12 feet

Analysis time=16:00 Inject Time=0:10
Sample Time=0:20
Alarms=Off Paper Save=Off
311 TWA=Off 311 STEL=Off
Calibration Cycle=0 Repeat Cycle=1

'C:\WPEAK\TO142.JOB' Run #201 9/24/99 5:15PM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	3.432	195437	57511711	0:20
2	1,2-dichlorotetrafluoroethane	0.087	10073	2102329	1:09
3	chloroethane	0.094	410	243452	1:34
4	1,1,2-trichloro-1,2,2-trifluoroethane	0.064	711	859576	2:57
5	carbon tetrachloride	1.014	207	5625747	5:41
6	unknown		5075	42891313	9:34
7	unknown		37199	155356735	11:30
8	Carrier Gas Impurity	6.424	14893	35650130	12:00
9	unknown		-72	5186786	13:08
10	unknown		2179	37104016	13:46
11	unknown		23070	57530120	14:24
12	Carrier Gas impurity	14.761	140372	81913393	14:47

'C:\WPEAK\TO142.JOB' Run #200 9/24/99 4:48PM

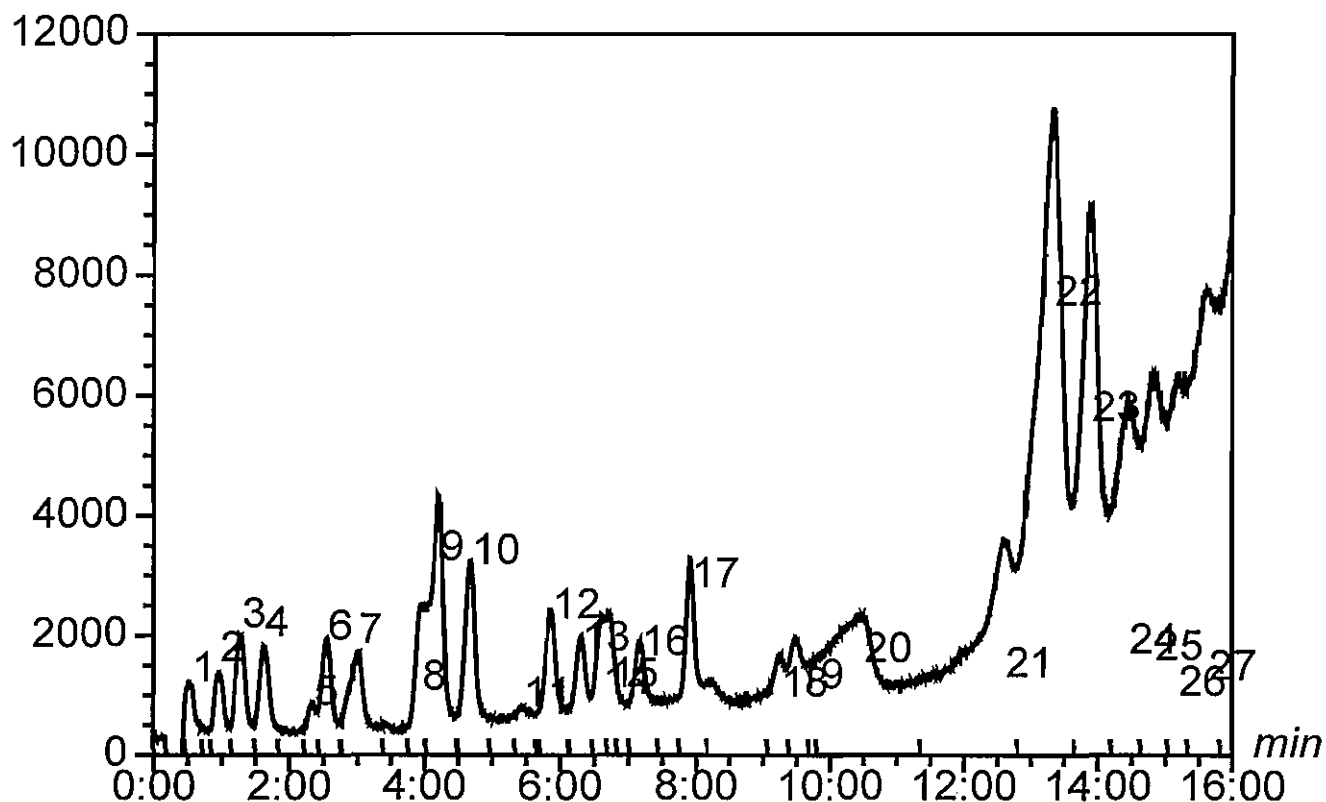


INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
0.2 ppm TO-14 calibration

'C:\WPEAK\TO142.JOB' Run #200 9/24/99 4:48PM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	0.712	29856	6312261	0:15
2	dichlorodifluoromethane	1.891	55891	16758743	0:29
2	chloromethane	0.807	55891	16758743	0:29
3	1,2-dichlorotetrafluoroethane	0.850	78358	24068478	1:12
4	chloroethane	0.716	11027	2582362	1:39
5	trichlorofluoromethane	0.701	1491	636185	2:22
6	1,1,2-trichloro-1,2,2-trifluoroethane	0.817	47571	13473611	3:03
7	1,1-dichloroethane	0.648	26928	5969872	3:27
8	chloroform	0.467	286	472323	3:46
9	1,1,1-trichloroethane	0.555	193	657434	4:21
10	carbon tetrachloride	1.729	11706	5549229	5:41
11	1,2-dichloropropane	4.208	1250	2634070	6:18
12	unknown		11424	97136486	9:31
13	unknown		99875	308385425	11:24
14	Carrier Gas Impurity	7.629	8898	24478148	11:52
15	unknown		101	10246313	12:51
16	unknown		-36	10961231	13:00
17	unknown		3517	40239761	13:41
18	unknown		72757	109783243	14:18
19	Carrier Gas impurity	42.506	125930	136384158	14:43

'C:\WPEAK\TO142.JOB' Run #200 9/24/99 4:48PM

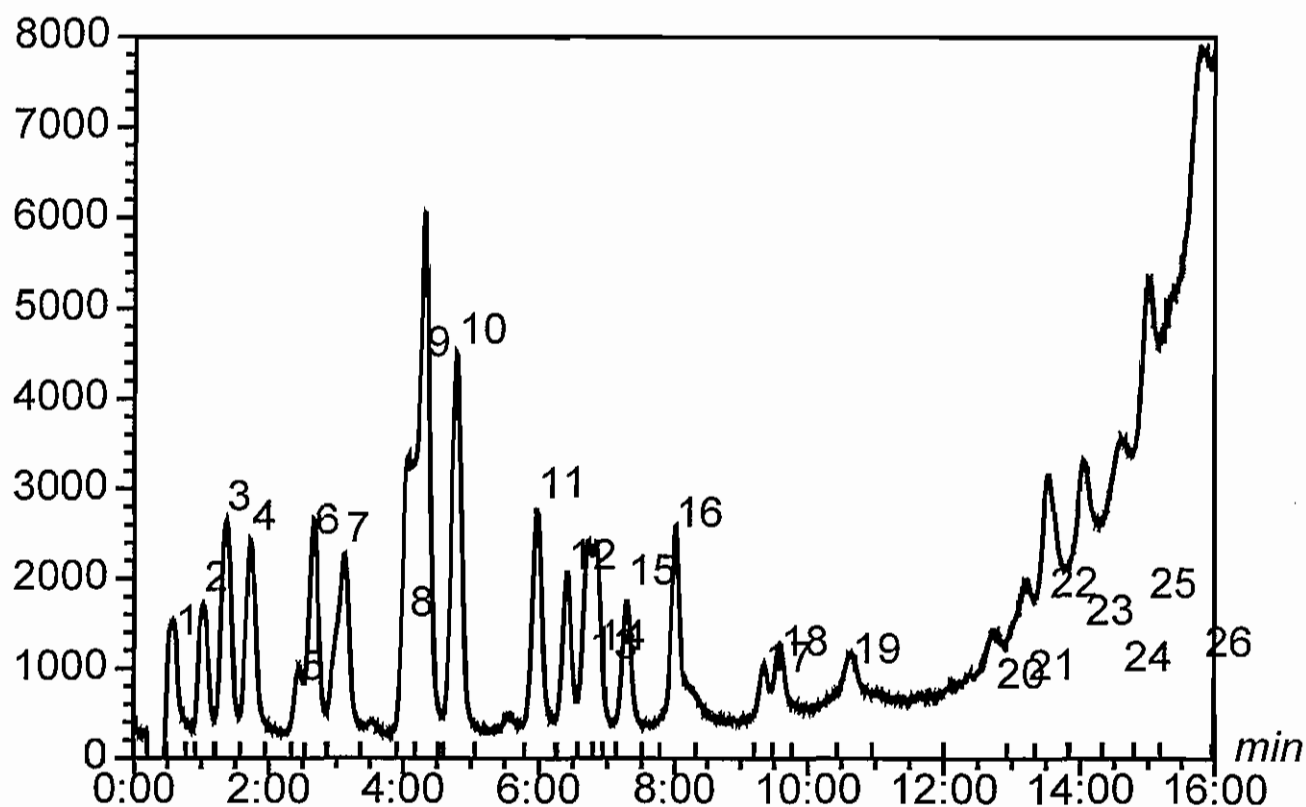


INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
0.2 ppm TO-14 calibration

'C:\WPEAK\TO142.JOB' Run #200 9/24/99 4:48PM

	Name	Conc	Height	Area	Time
1	vinyl chloride	0.764	550	163066	0:34
2	bromomethane	0.787	883	197334	0:59
3	1,1-dichloroethene	0.739	1451	338788	1:18
4	methylene chloride	0.761	1304	308549	1:39
5	3-chloropropene	0.905	152	89163	2:22
5	cis-1,2-dichloroethene	0.206	152	89163	2:22
6	cis-1,2-dichloroethene	0.745	1245	322775	2:34
7	benzene	0.850	1177	426085	3:01
8	cis-1,3-dichloropropene	0.474	398	369715	3:58
9	trans-1,3-dichloropropene	0.856	2566	1055691	4:13
10	toluene	0.855	2512	688258	4:42
11	unknown		123	150537	5:28
12	1,2-dibromoethane	1.138	1603	530447	5:53
13	tetrachloroethene	1.247	1047	390387	6:19
14	chlorobenzene	1.099	326	360101	6:38
14	ethylbenzene	1.213	326	360101	6:38
15	chlorobenzene	0.960	441	314523	6:45
15	ethylbenzene	1.059	441	314523	6:45
16	m-xylene	1.845	981	463556	7:12
17	p-xylene	1.500	2117	720984	7:56
18	o-xylene	2.787	299	378285	9:16
19	4-methyltoluene	2.456	438	489137	9:30
20	1,2,4-trimethylbenzene	7.319	867	2351340	10:31
21	1,3-dichlorobenzene	4.087	626	2813902	12:38
22	unknown		6815	6020573	13:21
23	unknown		4885	3690616	13:55
24	Carrier Gas Impurity	4.977	1020	2319401	14:28
25	unknown		906	2543937	14:51
26	unknown		314	1842897	15:12
27	1,4-dichlorobenzene	0.722	579	3733386	15:39

'C:\WPEAK\TO142.JOB' Run #199 9/24/99 3:38PM



INJ/DET Temp=180

Oven Temp=50

Syringe Inj=On

Cont. Pump=Off

311 Plotter=Off

311 TWA Cycle=1

Comment:

0.3 ppm TO-14 calibration4

Analysis time=16:00

Sample Time=0:20

Alarms=Off

311 TWA=Off

Calibration Cycle=0

Inject Time=0:10

Paper Save=Off

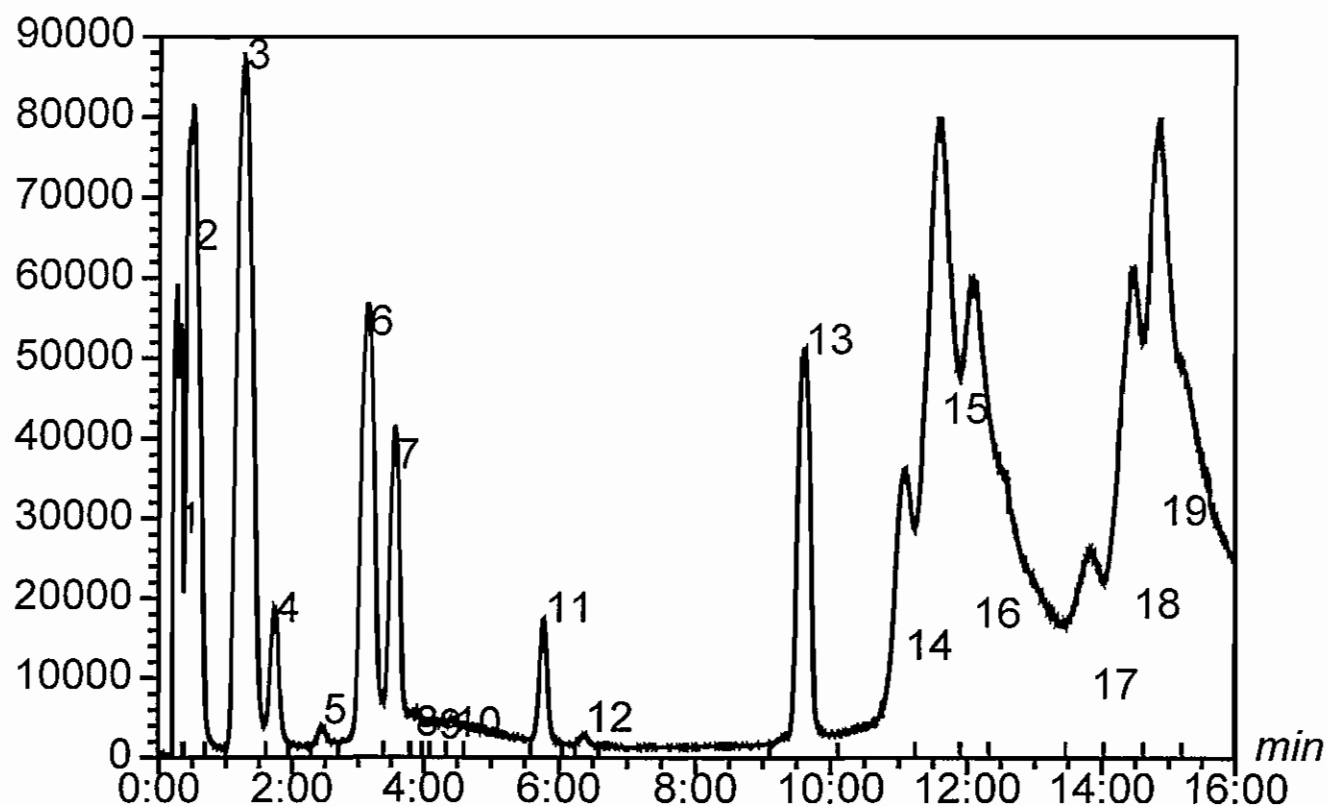
311 STEL=Off

Repeat Cycle=1

'C:\WPEAK\TO142.JOB' Run #199 9/24/99 3:38PM

	Name	Conc	Height	Area	Time
1	vinyl chloride	0.984	744	213349	0:37
2	bromomethane	0.869	1230	250625	1:03
3	1,1-dichloroethene	1.168	2132	458376	1:23
4	methylene chloride	0.899	1912	405705	1:45
5	3-chloropropene	0.160	243	98568	2:28
5	cis-1,2-dichloroethene	0.981	243	98568	2:28
6	cis-1,2-dichloroethene	4.311	1864	433005	2:41
7	benzene	4.048	1774	501490	3:08
8	trans-1,3-dichloropropene	0.840	952	619393	4:06
9	trans-1,3-dichloropropene	1.673	3838	1233742	4:20
10	toluene	0.570	3983	804696	4:48
11	1,2-dibromoethane	0.162	2277	466056	6:00
12	tetrachloroethene	0.648	1474	313170	6:26
12	chlorobenzene	0.861	1474	313170	6:26
13	chlorobenzene	0.900	474	327515	6:45
13	ethylbenzene	0.393	474	327515	6:45
14	ethylbenzene	0.356	579	296937	6:51
15	m-xylene	0.738	1307	251235	7:18
16	p-xylene	0.871	1949	480625	8:02
17	o-xylene	0.895	347	135745	9:22
17	4-methyltoluene	1.182	347	135745	9:22
18	4-methyltoluene	1.734	524	199124	9:36
19	1,2,4-trimethylbenzene	1.081	437	321275	10:40
20	1,3-dichlorobenzene	0.974	163	688511	12:47
21	unknown		257	616695	13:15
22	Carrier Gas Impurity	0.399	1175	1149693	13:33
23	unknown		867	1322613	14:05
24	Carrier Gas Impurity	0.519	350	1493231	14:39
25	unknown		1169	1835303	15:01
26	1,4-dichlorobenzene	1.148	522	5172291	15:51

'C:\WPEAK\TO142.JOB' Run #199 9/24/99 3:39PM



INJ/DET Temp=180

Oven Temp=50

Syringe Inj=On

Cont. Pump=Off

311 Plotter=Off

311 TWA Cycle=1

Comment:

0.3 ppm TO-14 calibration4

Analysis time=16:00

Sample Time=0:20

Alarms=Off

311 TWA=Off

Calibration Cycle=0

Inject Time=0:10

Paper Save=Off

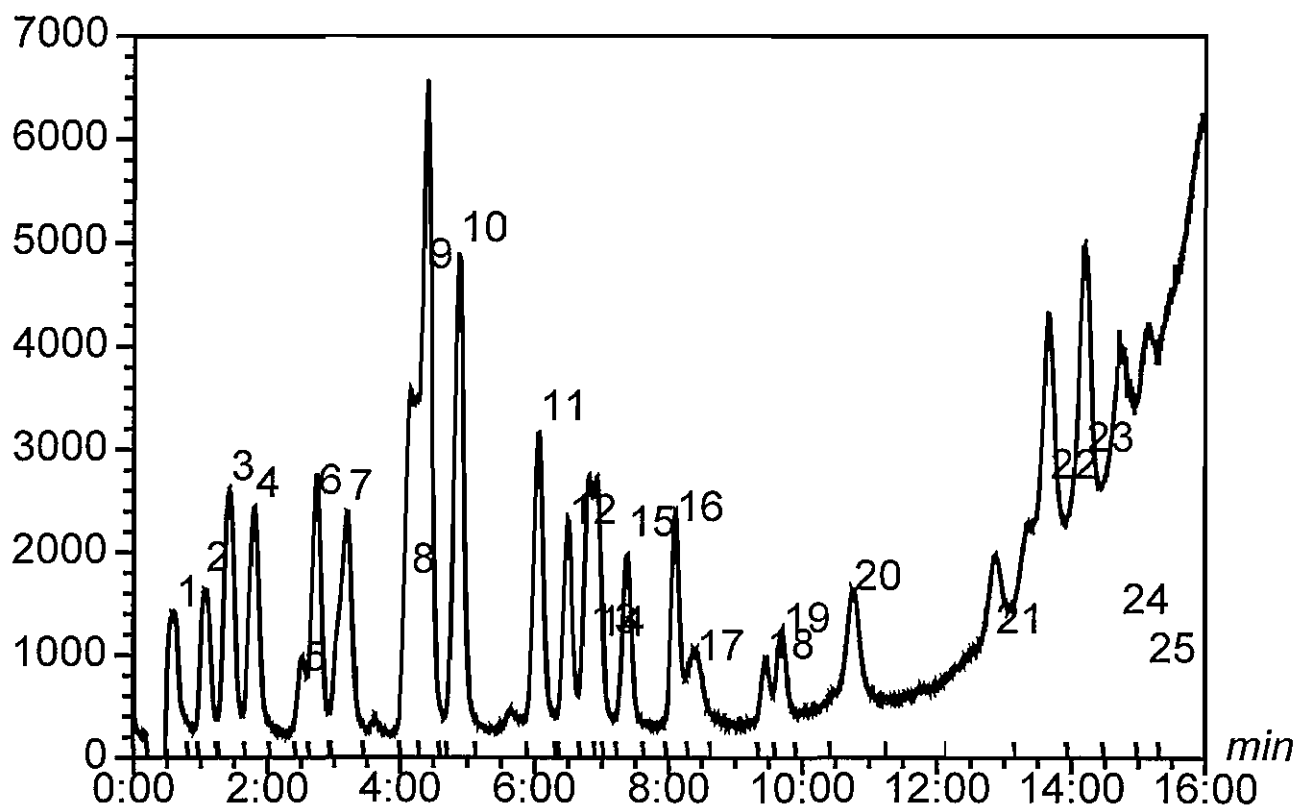
311 STEL=Off

Repeat Cycle=1

'C:\WPEAK\TO142.JOB' Run #199 9/24/99 3:39PM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	2.143	26085	8863797	0:16
2	chloromethane	2.532	61349	20778340	0:31
3	1,2-dichlorotetrafluoroethane	0.946	83806	28301068	1:17
4	chloroethane	0.092	14877	3608688	1:45
5	trichlorofluoromethane	0.144	2121	907330	2:29
6	1,1,2-trichloro-1,2,2-trifluoroethane	7.050	50647	16491020	3:09
7	1,1-dichloroethane	0.523	34055	9216782	3:34
7	chloroform	0.408	34055	9216782	3:34
8	chloroform	0.045	562	1012029	3:53
8	1,2-dichloroethane	1.267	562	1012029	3:53
9	1,1,1-trichloroethane	0.086	161	1086660	4:14
10	1,1,1-trichloroethane	0.093	433	1183821	4:27
11	carbon tetrachloride	0.704	14864	3208605	5:48
12	1,2-dichloropropane	0.828	1142	625972	6:24
13	unknown		48484	14779161	9:37
14	Carrier Gas Impurity	3.135	10216	14286450	11:06
14	Carrier Gas Impurity	3.135	10216	14286450	11:06
15	unknown		39762	43262803	11:36
16	Carrier Gas Impurity	5.690	14241	25931802	12:06
17	unknown		5367	13955271	13:51
18	unknown		15444	28824603	14:28
19	Carrier Gas impurity	9.118	27097	41553588	14:52

'C:\WPEAK\TO142.JOB' Run #197 9/24/99 12:24PM



INJ/DET Temp=180

Oven Temp=50

Syringe Inj=On

Cont. Pump=Off

311 Plotter=Off

311 TWA Cycle=1

Comment:

0.3 ppm TO-14 calibration3

Analysis time=16:00

Sample Time=0:20

Alarms=Off

311 TWA=Off

Calibration Cycle=0

Inject Time=0:10

Paper Save=Off

311 STEL=Off

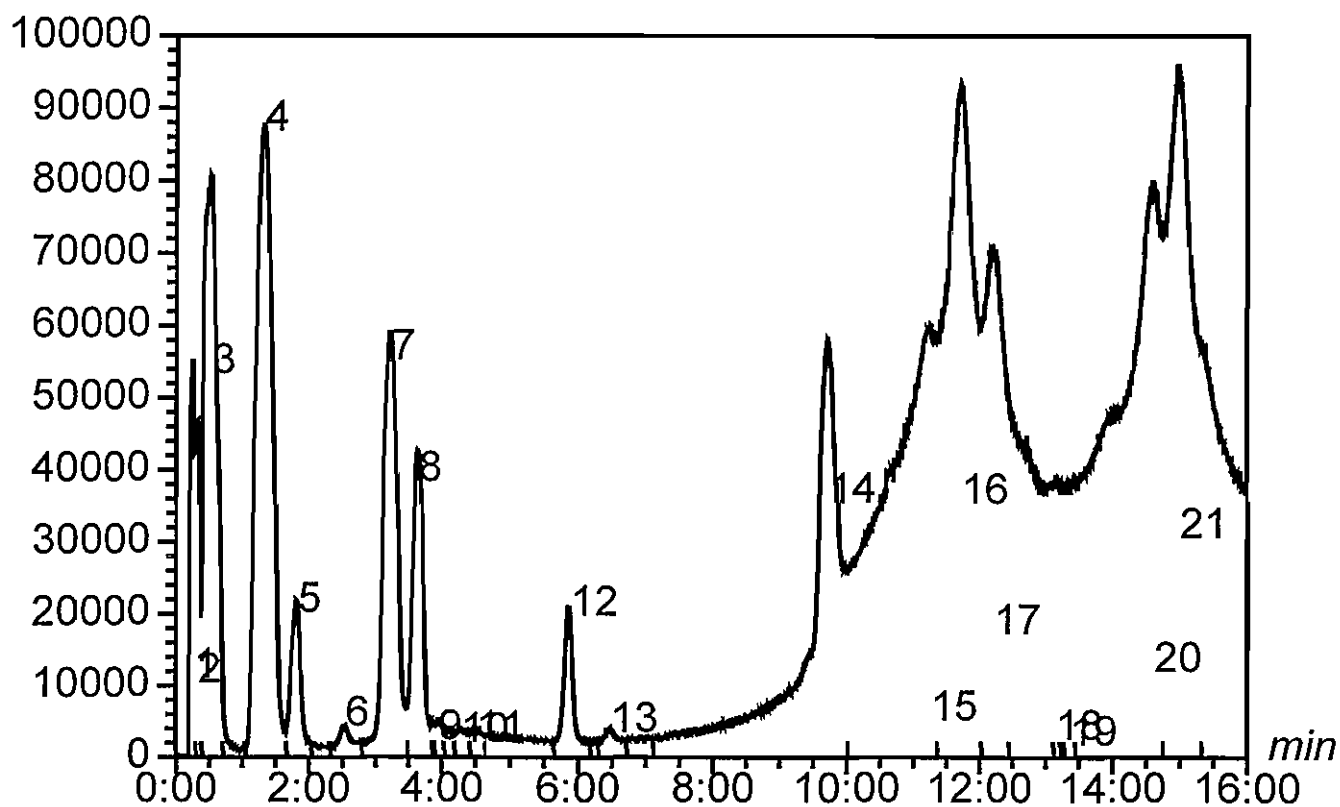
Repeat Cycle=1

Cal failed

'C:\WPEAK\TO142.JOB' Run #197 9/24/99 12:24PM

	Name	Conc	Height	Area	Time
1	vinyl chloride	1.068	893	216850	0:38
2	bromomethane	0.925	1229	259923	1:05
3	1,1-dichloroethene	1.970	2116	477050	1:27
4	unknown		1955	422970	1:49
5	cis-1,2-dichloroethene	1.259	259	100451	2:33
6	unknown		1972	452017	2:45
7	unknown		1921	537740	3:13
8	trans-1,3-dichloropropene	1.317	1207	737296	4:10
9	unknown		4162	1261667	4:25
10	unknown		4421	882450	4:53
11	unknown		2699	547868	6:04
12	chlorobenzene	1.115	1691	363720	6:31
13	ethylbenzene	1.135	626	417114	6:50
14	unknown		603	307020	6:57
15	unknown		1576	305896	7:24
16	styrene	0.780	1721	358347	8:07
17	unknown		371	205160	8:26
18	4-methyltoluene	1.120	384	114825	9:29
19	1,3,5-trimethylbenzene	1.148	633	192952	9:43
20	unknown		1048	532425	10:47
21	unknown		629	1063526	12:53
22	Carrier Gas Impurity	0.716	2131	2061816	13:41
23	unknown		2395	1869866	14:13
24	unknown		824	1751470	14:45
25	unknown		349	1320365	15:09

'C:\WPEAK\TO142.JOB' Run #197 9/24/99 12:24PM

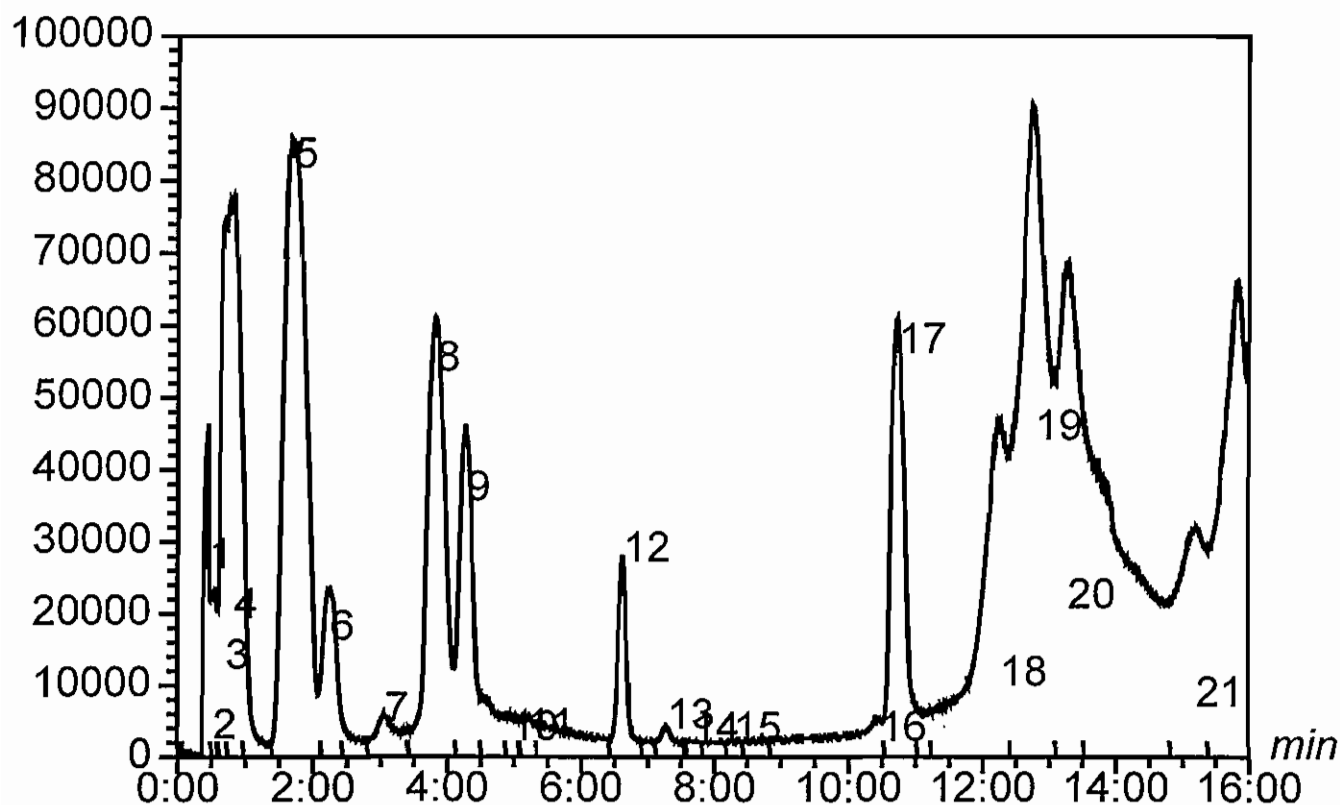


INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
0.3 ppm TO-14 calibration3

'C:\WPEAK\TO142.JOB' Run #197 9/24/99 12:24PM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	0.605	9149	4601493	0:16
2	dichlorodifluoromethane	0.566	8478	4305126	0:20
3	chloromethane	1.040	51454	21675527	0:32
4	1,2-dichlorotetrafluoroethane	1.139	84984	29920085	1:20
5	unknown		18285	4433940	1:50
6	unknown		2453	1244344	2:33
7	1,1-dichloroethane	1.094	53334	17621071	3:14
8	chloroform	1.120	36488	9541215	3:39
9	1,2-dichloroethane	0.970	532	798681	3:57
10	1,1,1-trichloroethane	1.693	153	843909	4:18
11	unknown		443	924997	4:31
12	unknown		17886	4236270	5:53
13	1,1,2-trichloroethane	2.668	1593	1280827	6:29
14	unknown		33538	35788080	9:44
15	Carrier Gas Impurity	13.434	3291	61220195	11:16
16	unknown		33460	55998940	11:44
17	unknown		15303	30801824	12:13
18	unknown		645	4819024	13:09
19	unknown		-127	6880859	13:22
20	unknown		10056	77022856	14:37
21	Carrier Gas impurity	11.189	28693	50992556	15:00

'C:\WPEAK\TO142.JOB' Run #198 9/24/99 12:52PM



INJ/DET Temp=180

Oven Temp=50

Syringe Inj=On

Cont. Pump=Off

311 Plotter=Off

311 TWA Cycle=1

Comment:

0.3 ppm TO-14 calibration4

Analysis time=16:00

Sample Time=0:20

Alarms=Off

311 TWA=Off

Calibration Cycle=0

Inject Time=0:10

Paper Save=Off

311 STEL=Off

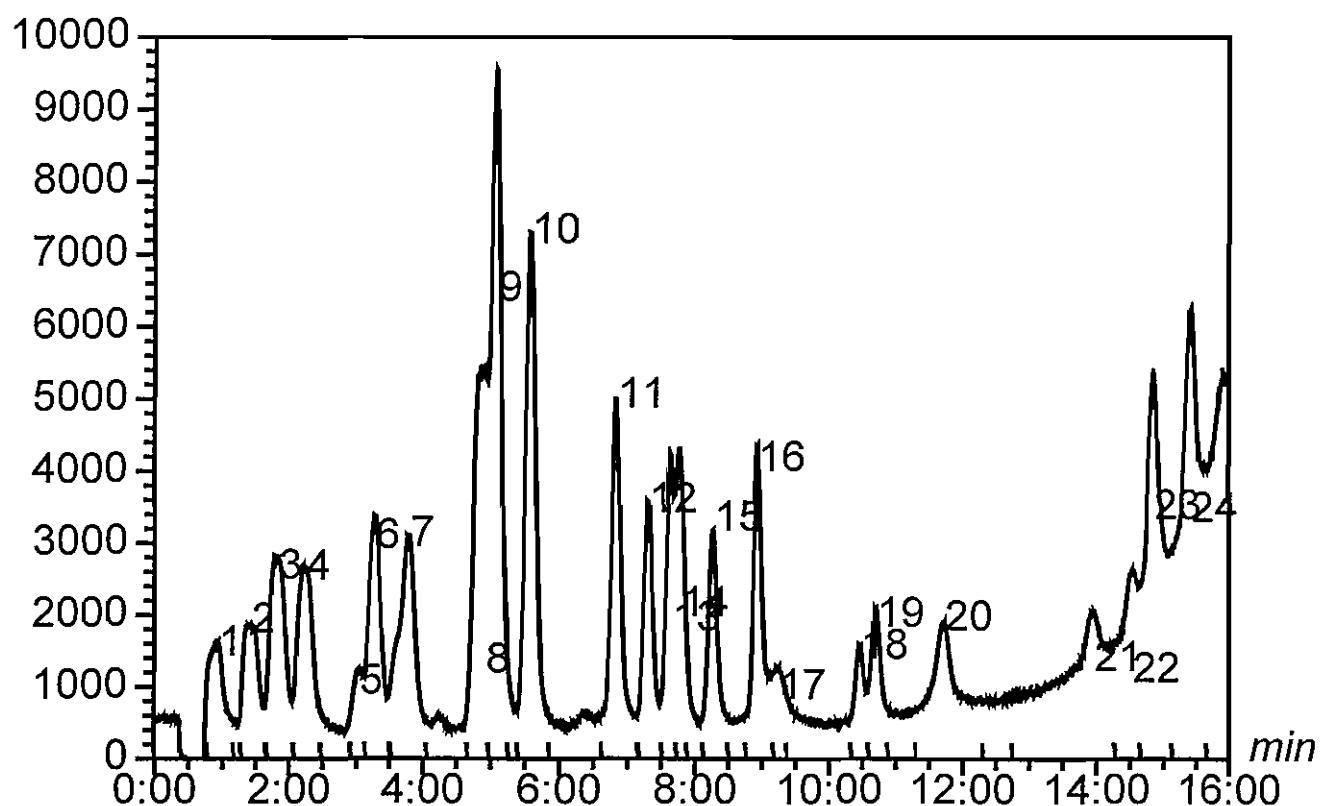
Repeat Cycle=1

*Cal failed
cleaning port*

'C:\WPEAK\TO142.JOB' Run #198 9/24/99 12:52PM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	0.961	24302	4136061	0:27
1	chloromethane	0.191	24302	4136061	0:27
2	chloromethane	0.115	543	2487078	0:32
3	chloromethane	0.379	10296	8205875	0:42
4	unknown		17379	18835996	0:50
5	chloroethane	12.668	79688	39344170	1:42
6	trichlorofluoromethane	6.997	14311	6283010	2:15
7	1,1,2-trichloro-1,2,2-trifluoroethane	0.137	2750	2339175	3:04
8	chloroform	2.366	51550	22575148	3:49
9	1,1,1-trichloroethane	15.049	33626	12700365	4:17
10	unknown		265	1220099	4:57
11	unknown		598	1352501	5:12
12	1,1,2-trichloroethane	4.089	25224	5236732	6:38
13	1,1,2,2-tetrachloroethane	5.469	1945	1163812	7:18
14	unknown		132	480161	7:41
15	unknown		122	492435	8:18
16	Carrier Gas Impurity	1.056	167	4813999	10:28
17	unknown		54090	17462617	10:45
18	unknown		7913	24878230	12:16
19	unknown		42090	50933800	12:47
20	unknown		18735	29118016	13:17
21	unknown		5087	17672534	15:12

'C:\WPEAK\TO142.JOB' Run #198 9/24/99 12:53PM

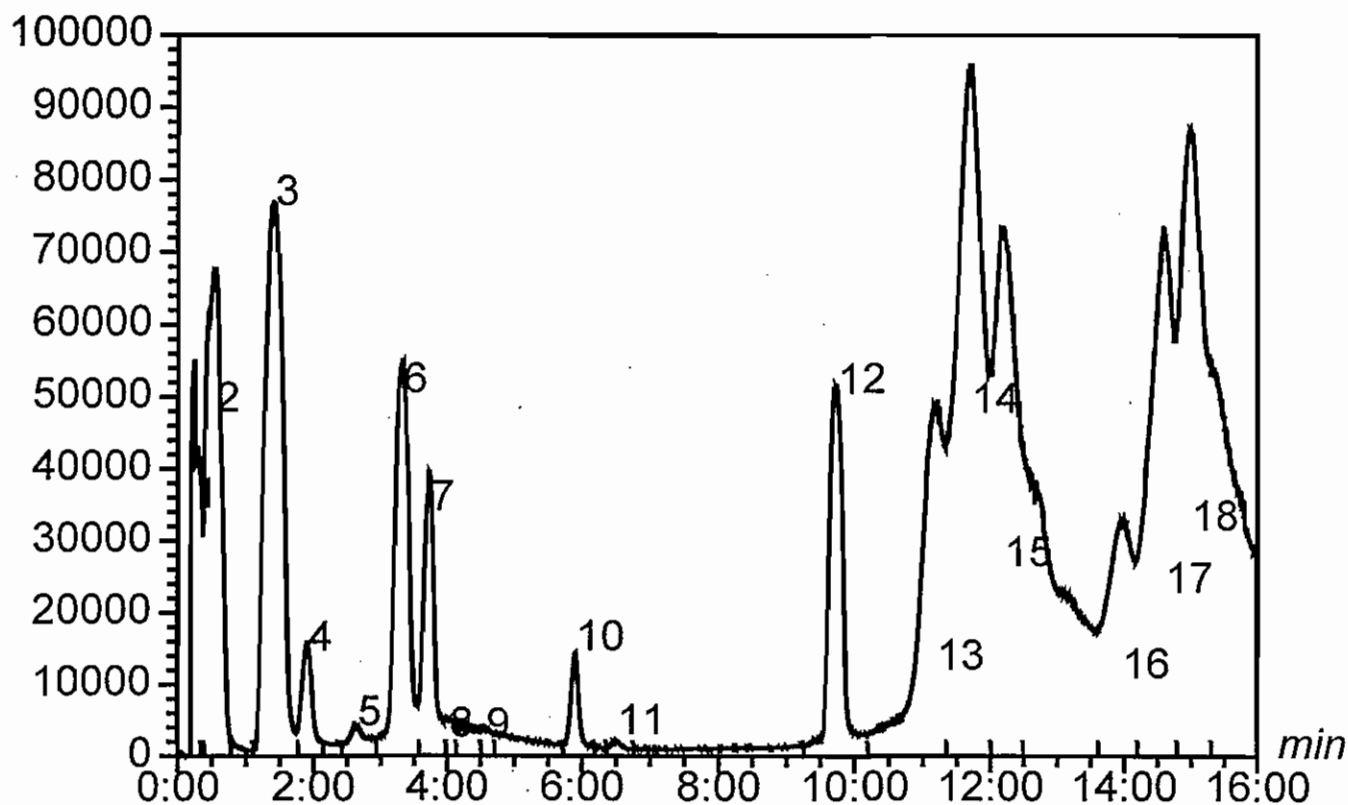


INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
0.3 ppm TO-14 calibration4

'C:\WPEAK\TO142.JOB' Run #198 9/24/99 12:53PM

	Name	Conc	Height	Area	Time
1	bromomethane	1.110	783	288533	0:57
2	1,1-dichloroethene	0.823	1105	392430	1:27
3	unknown		1850	685264	1:51
4	3-chloropropene	1.386	1842	616820	2:15
5	benzene	0.284	241	123882	3:03
6	trichloroethene	1.353	2268	679785	3:18
7	cis-1,3-dichloropropene	0.294	2303	780173	3:48
8	unknown		542	1225442	4:56
9	unknown		5701	1845397	5:06
10	unknown		6502	1353624	5:36
11	ethylbenzene	2.000	4227	834021	6:51
12	unknown		2773	539374	7:20
13	unknown		1124	571989	7:40
14	p-xylene	1.756	1330	551580	7:48
15	styrene	1.287	2521	461250	8:17
16	unknown		3354	656397	8:57
17	o-xylene	0.095	184	151727	9:15
18	1,2,4-trimethylbenzene	0.252	741	171546	10:29
19	1,2,4-trimethylbenzene	0.437	1183	297188	10:43
20	unknown		1139	605028	11:45
21	unknown		571	1223788	13:58
22	Carrier Gas Impurity	0.235	419	675930	14:33
23	unknown		2681	1663994	14:51
24	unknown		2648	2301456	15:25

'C:\WPEAK\TO142.JOB' Run #196 9/24/99 12:01PM



INJ/DET Temp=180

Analysis time=16:00

Inject Time=0:10

Oven Temp=50

Sample Time=0:20

Syringe Inj=On

Alarms=Off

Paper Save=Off

Cont. Pump=Off

311 Plotter=Off

311 TWA=Off

311 STEL=Off

311 TWA Cycle=1

Calibration Cycle=0

Repeat Cycle=1

Comment:

0.3 ppm TO-14 calibration3

Cal checked

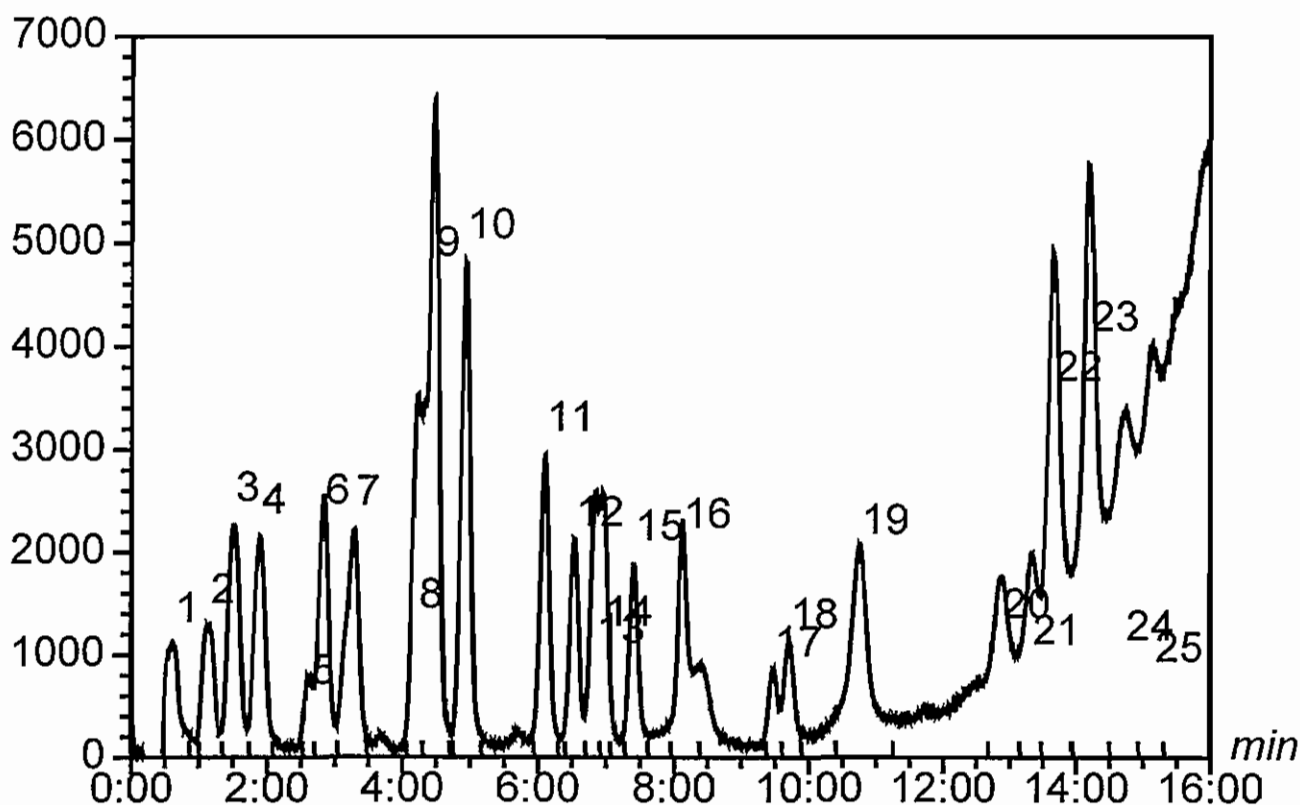


Printed on Recycled Paper

'C:\WPEAK\TO142.JOB' Run #196 9/24/99 12:01PM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	1.036	32448	7610571	0:15
2	chloromethane	1.116	45725	20836968	0:33
3	unknown		74264	27959176	1:25
4	unknown		12501	3404130	1:56
5	unknown		2088	1386183	2:39
6	1,1-dichloroethane	1.412	48333	16101451	3:20
7	chloroform	1.141	32005	8521181	3:45
8	1,2-dichloroethane	1.196	460	823131	4:03
9	unknown		349	762301	4:36
10	unknown		12605	2501684	5:55
11	1,1,2-trichloroethane	0.489	961	480101	6:32
12	unknown		48337	14801610	9:45
13	Carrier Gas Impurity	4.767	9918	21724030	11:12
14	unknown		45613	52576946	11:43
15	unknown		24290	34102278	12:13
16	unknown		8780	17476550	13:59
17	unknown		20721	35401276	14:37
18	Carrier Gas impurity	9.238	29337	42100192	15:00

'C:\WPEAK\TO142.JOB' Run #196 9/24/99 12:01PM



INJ/DET Temp=180

Analysis time=16:00

Inject Time=0:10

Oven Temp=50

Sample Time=0:20

Syringe Inj=On

Alarms=Off

Paper Save=Off

Cont. Pump=Off

311 Plotter=Off

311 TWA=Off

311 STEL=Off

311 TWA Cycle=1

Calibration Cycle=0

Repeat Cycle=1

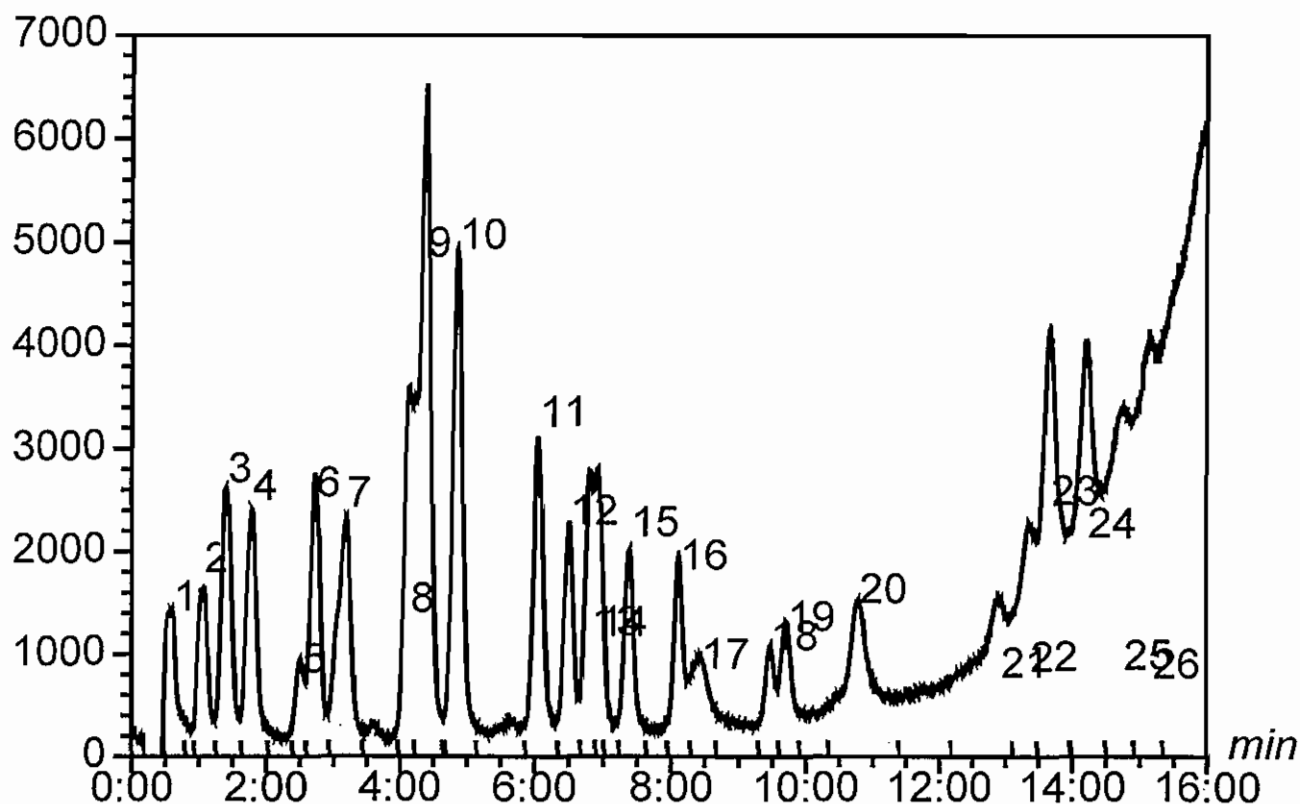
Comment:

0.3 ppm TO-14 calibration3

'C:\WPEAK\TO142.JOB' Run #196 9/24/99 12:01PM

	Name	Conc	Height	Area	Time
1	vinyl chloride	0.822	762	202965	0:39
2	1,1-dichloroethene	0.489	945	242169	1:11
3	methylene chloride	1.031	1937	451366	1:32
4	unknown		1824	394186	1:55
5	cis-1,2-dichloroethene	0.758	156	79808	2:39
6	benzene	0.184	1905	436875	2:51
7	trichloroethene	0.941	1894	502287	3:18
8	trans-1,3-dichloropropene	0.978	893	559738	4:15
9	toluene	0.327	4308	1411616	4:29
10	unknown		4484	845869	4:57
11	tetrachloroethene	0.934	2620	483506	6:07
12	chlorobenzene	0.870	1699	326175	6:33
12	ethylbenzene	0.743	1699	326175	6:33
13	ethylbenzene	0.837	553	367614	6:52
14	m-xylene	0.156	729	340374	6:59
15	unknown		1561	278560	7:26
16	styrene	1.441	1679	459490	8:09
17	4-methyltoluene	0.639	433	102484	9:30
18	1,3,5-trimethylbenzene	0.715	705	168122	9:44
19	unknown		1617	655293	10:47
20	unknown		804	574137	12:54
21	unknown		549	502061	13:21
22	Carrier Gas Impurity	0.519	3111	1493365	13:41
23	unknown		3593	1978435	14:13
24	unknown		592	1330663	14:45
25	unknown		381	1430730	15:11

'C:\WPEAK\TO142.JOB' Run #195 9/24/99 10:58AM



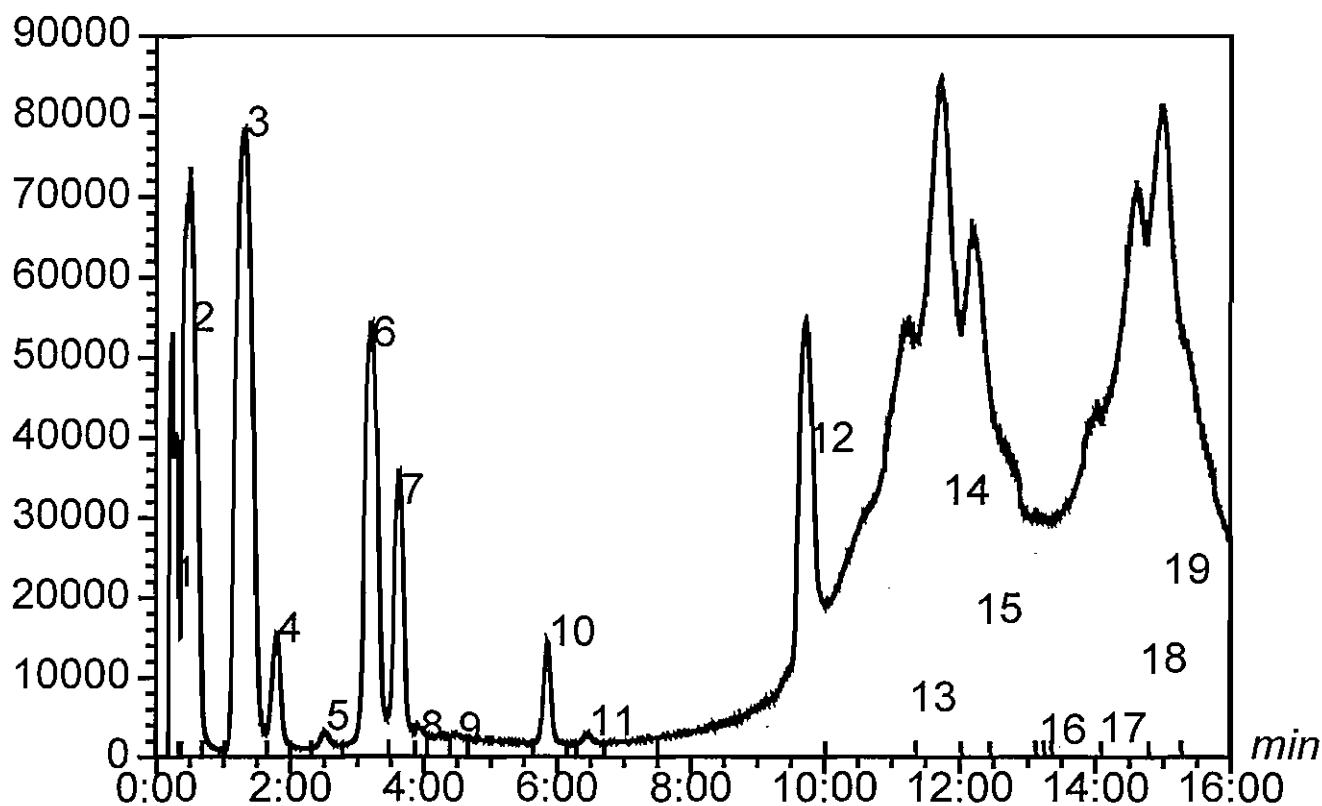
INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
0.3 ppm TO-14 calibration2

Cal failed

'C:\WPEAK\TO142.JOB' Run #195 9/24/99 10:58AM

	Name	Conc	Height	Area	Time
1	vinyl chloride	1.120	887	246845	0:37
2	bromomethane	1.061	1261	281076	1:05
3	1,1-dichloroethene	0.257	2137	495705	1:26
4	methylene chloride	0.952	1968	437622	1:48
5	cis-1,2-dichloroethene	0.985	280	105305	2:32
6	unknown		1989	473244	2:45
7	unknown		1894	559497	3:12
8	trans-1,3-dichloropropene	1.101	869	572285	4:09
9	unknown		4316	1485398	4:24
10	unknown		4399	924248	4:53
11	unknown		2681	555812	6:04
12	chlorobenzene	1.095	1723	374700	6:31
13	ethylbenzene	1.268	640	439029	6:50
14	unknown		638	330965	6:57
15	unknown		1609	335495	7:24
16	styrene	0.346	1290	318888	8:08
17	unknown		325	234225	8:27
18	4-methyltoluene	1.071	507	160323	9:29
19	1,3,5-trimethylbenzene	0.913	696	234995	9:44
20	unknown		959	676179	10:48
21	unknown		244	873944	12:57
22	Carrier Gas Impurity	0.241	299	693975	13:23
23	Carrier Gas Impurity	0.512	1915	1473499	13:42
24	unknown		1601	1600978	14:14
25	unknown		315	1332093	14:46
26	unknown		232	1683408	15:12

'C:\WPEAK\TO142.JOB' Run #195 9/24/99 10:58AM



INJ/DET Temp=180

Oven Temp=50

Syringe Inj=On

Cont. Pump=Off

311 Plotter=Off

311 TWA Cycle=1

Comment:

0.3 ppm TO-14 calibration2

Analysis time=16:00

Sample Time=0:20

Alarms=Off

311 TWA=Off

Calibration Cycle=0

Inject Time=0:10

Paper Save=Off

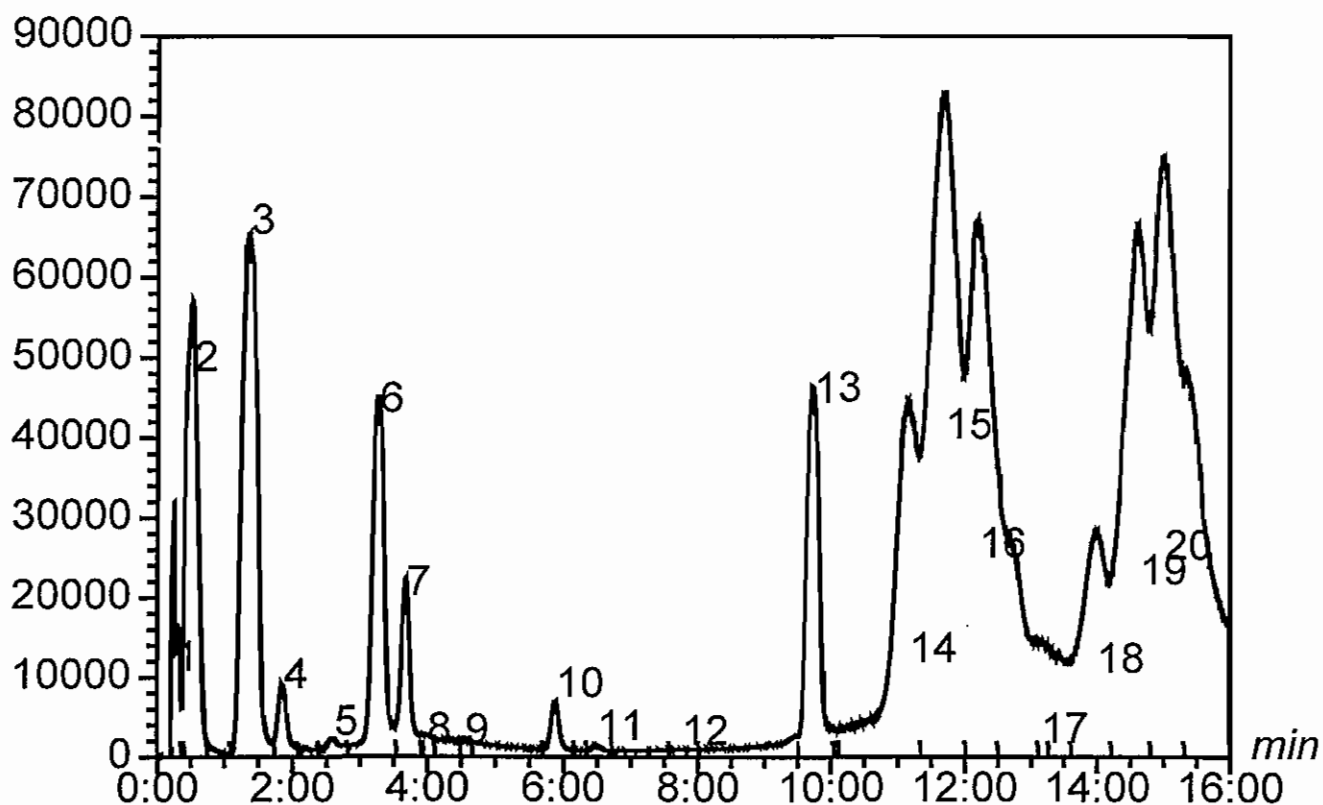
311 STEL=Off

Repeat Cycle=1

'C:\WPEAK\TO142.JOB' Run #195 9/24/99 10:58AM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	2.199	19773	7348698	0:15
2	chloromethane	1.384	51625	18675831	0:31
3	1,2-dichlorotetrafluoroethane	1.283	75847	26276453	1:19
4	chloroethane	0.600	12824	3105796	1:48
5	unknown		1808	965461	2:32
6	unknown		49682	15288315	3:13
7	chloroform	1.731	30078	7469533	3:39
8	1,2-dichloroethane	1.249	446	688485	3:57
9	unknown		317	772441	4:31
10	unknown		12383	2942913	5:52
11	1,1,2-trichloroethane	2.264	1089	982265	6:29
12	unknown		36567	29384663	9:45
13	Carrier Gas Impurity	11.333	4169	51645760	11:15
14	unknown		30101	50148016	11:45
15	unknown		15215	28674180	12:13
16	unknown		112	4651980	13:10
17	unknown		318	29302041	14:03
18	unknown		9026	44155518	14:39
19	Carrier Gas impurity	8.619	20186	39277036	15:00

'C:\WPEAK\TO142.JOB' Run #194 9/24/99 10:13AM



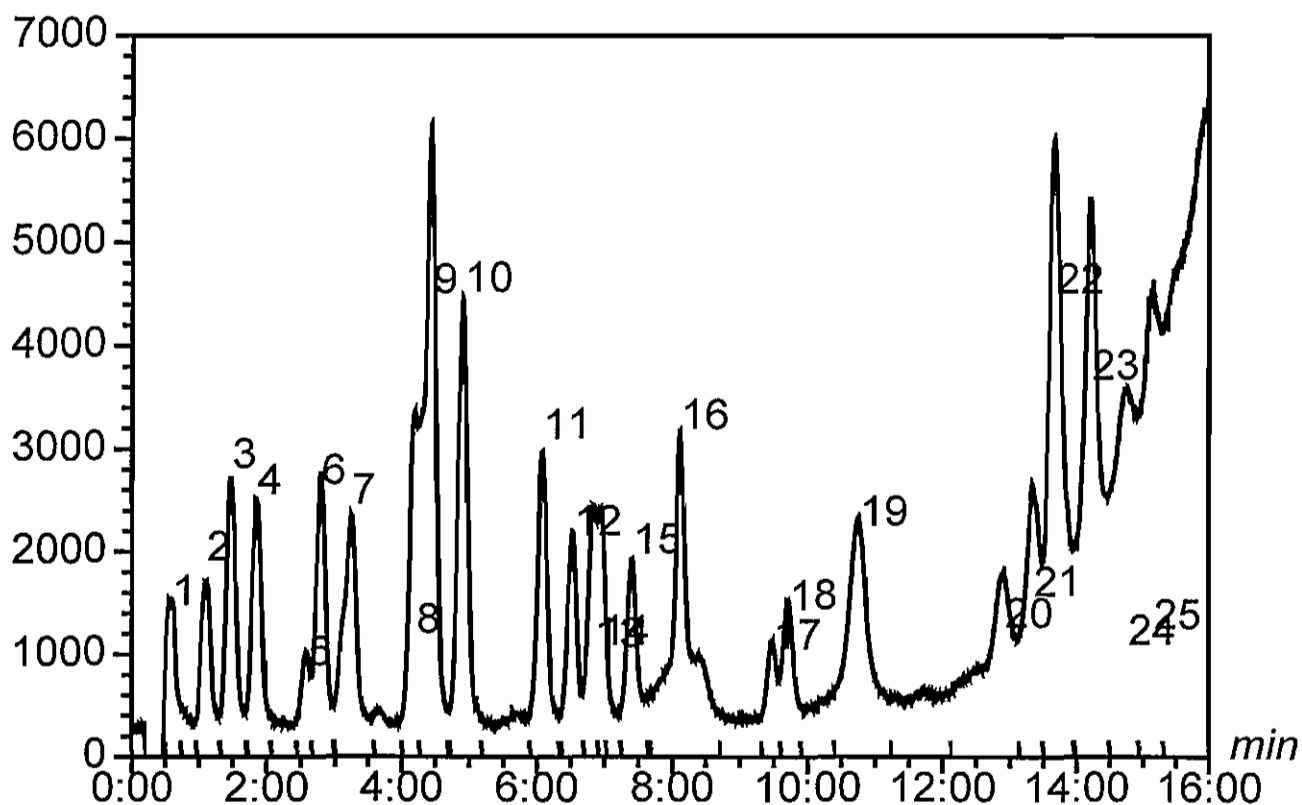
INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
0.3 ppm TO-14 calibration

*failed
wash new standard*

'C:\WPEAK\TO142.JOB' Run #194 9/24/99 10:13AM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	0.183	9368	3341730	0:16
2	chloromethane	0.740	46811	13497643	0:33
3	1,2-dichlorotetrafluoroethane	0.804	63889	20481083	1:23
4	unknown		7124	1816183	1:53
5	unknown		1102	741413	2:37
6	1,1-dichloroethane	1.174	41598	11406969	3:17
7	chloroform	7.254	18681	4315830	3:42
8	1,2-dichloroethane	1.453	265	551401	4:00
9	unknown		164	411107	4:33
10	unknown		5996	1445920	5:54
11	1,1,2-trichloroethane	0.574	637	433890	6:30
12	unknown		-1	432025	7:46
13	unknown		42940	12417332	9:45
14	Carrier Gas Impurity	4.647	10339	21178250	11:11
14	Carrier Gas Impurity	4.647	10339	21178250	11:11
15	unknown		38359	47768673	11:42
16	unknown		23493	31577321	12:13
17	unknown		320	2619735	13:10
18	unknown		9063	14478810	14:00
19	unknown		20133	32173620	14:39
20	unknown		23260	36996199	15:01

'C:\WPEAK\TO142.JOB' Run #194 9/24/99 10:13AM

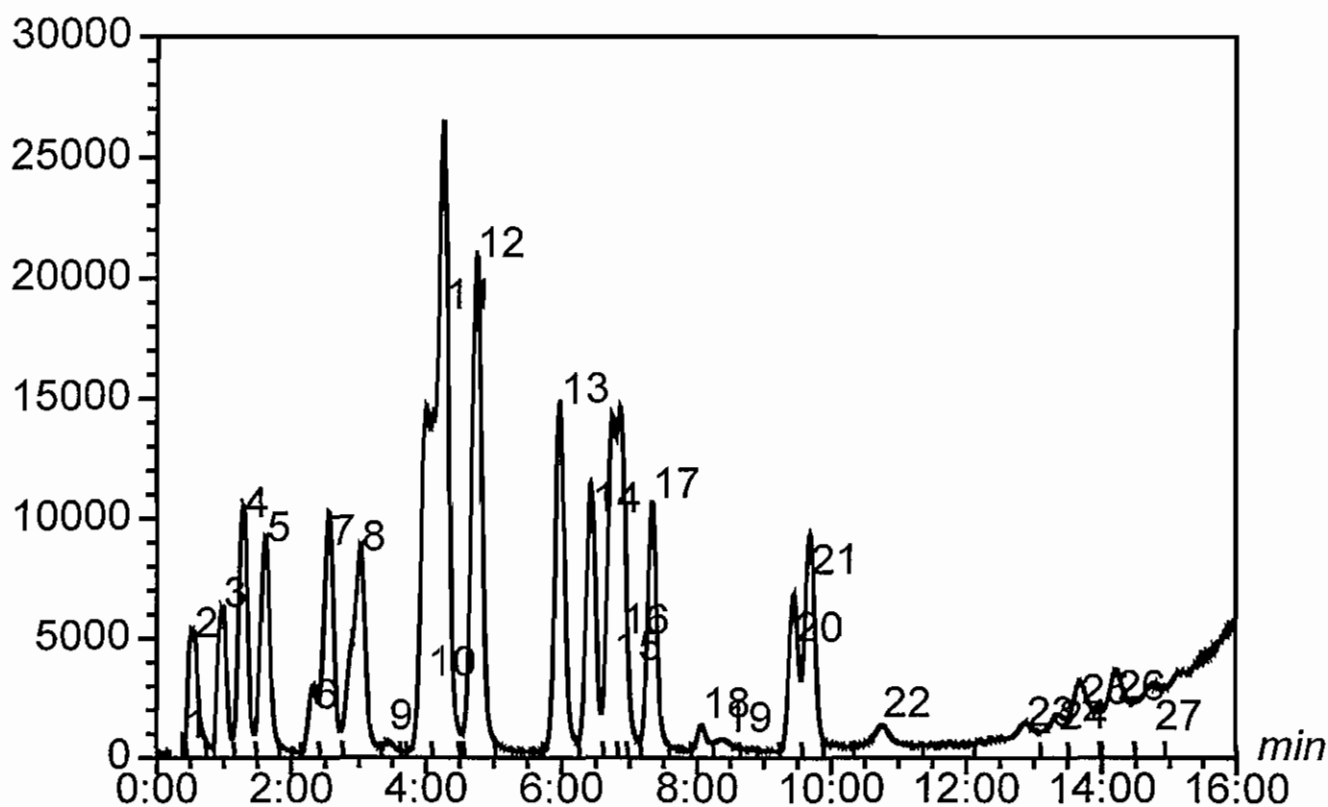


INJ/DET Temp=180	Analysis time=16:00	Inject Time=0:10
Oven Temp=50	Sample Time=0:20	
Syringe Inj=On	Alarms=Off	Paper Save=Off
Cont. Pump=Off		
311 Plotter=Off	311 TWA=Off	311 STEL=Off
311 TWA Cycle=1	Calibration Cycle=0	Repeat Cycle=1
Comment:		
0.3 ppm TO-14 calibration		

'C:\WPEAK\TO142.JOB' Run #194 9/24/99 10:13AM

	Name	Conc	Height	Area	Time
1	vinyl chloride	0.219	888	220402	0:36
2	bromomethane	0.237	1316	264896	1:07
3	methylene chloride	0.260	2220	459900	1:30
4	unknown		1966	412827	1:52
5	cis-1,2-dichloroethene	0.054	296	106911	2:36
6	unknown		2056	444112	2:48
7	trichloroethene	6.357	1871	533907	3:15
8	trans-1,3-dichloropropene	0.082	609	519759	4:13
9	unknown		3907	1349492	4:27
10	unknown		3927	806291	4:55
11	tetrachloroethene	0.243	2506	517728	6:06
12	chlorobenzene	0.162	1562	342135	6:33
12	ethylbenzene	0.154	1562	342135	6:33
13	ethylbenzene	0.156	470	346326	6:51
14	unknown		495	281520	6:57
15	unknown		1387	338149	7:25
16	styrene	4.167	2599	922964	8:08
17	4-methyltoluene	0.124	459	149745	9:30
18	1,3,5-trimethylbenzene	0.137	840	257390	9:44
19	unknown		1660	825759	10:46
20	unknown		670	823555	12:56
21	unknown		974	675608	13:21
22	Carrier Gas Impurity	0.621	3910	1789456	13:42
23	unknown		3077	1846149	14:14
24	unknown		500	1413905	14:47
25	unknown		655	1572090	15:10

'C:\WPEAK\TO142.JOB' Run #193 9/24/99 9:25AM

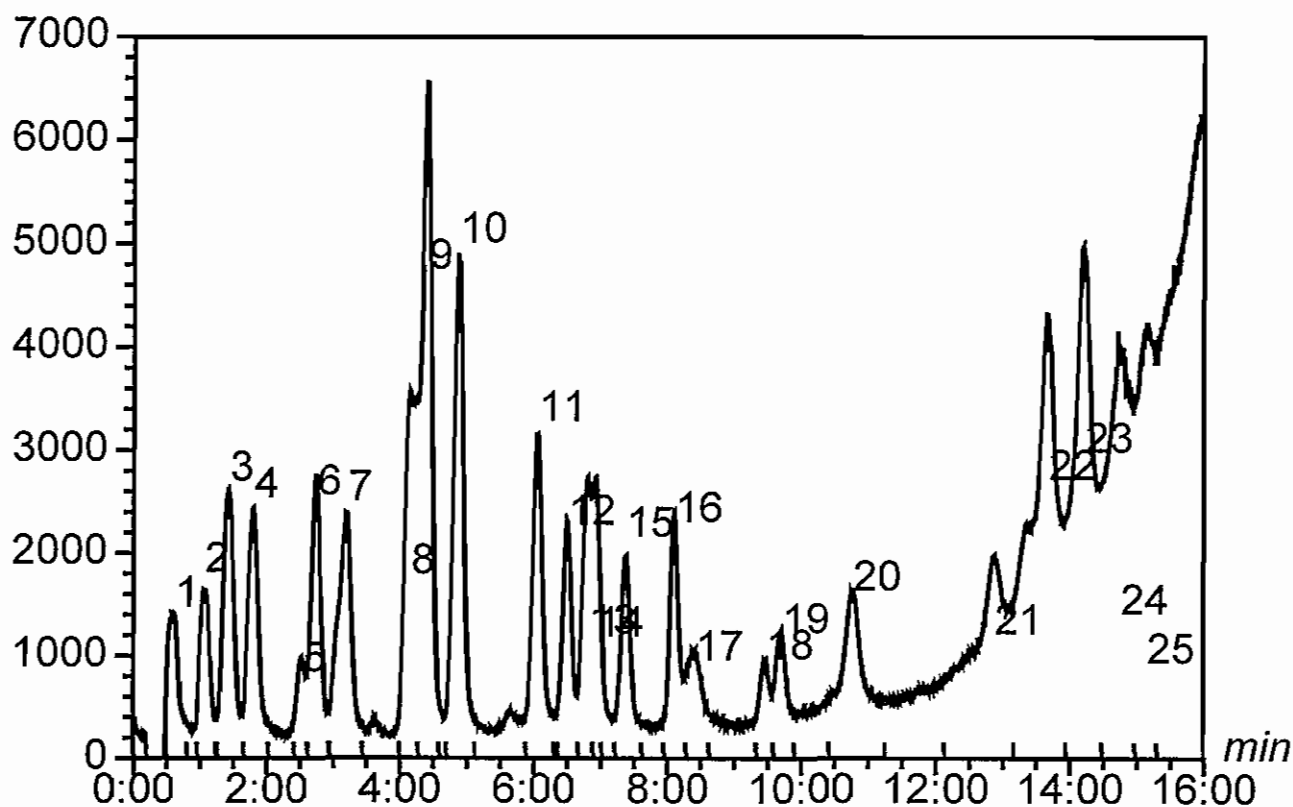


INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
1.0 ppm TO-14 calibration

'C:\WPEAK\TO142.JOB' Run #193 9/24/99 9:25AM

	Name	Conc	Height	Area	Time
1	unknown		-31	29970	0:25
2	vinyl chloride		4173	1007801	0:34
3	bromomethane		5429	1116018	1:00
4	1,1-dichloroethene		9195	1928730	1:18
5	methylene chloride		8181	1771468	1:38
6	3-chloropropene		1184	445117	2:21
7	cis-1,2-dichloroethene		8021	1969647	2:34
8	benzene		7758	2371215	3:02
9	trichloroethene		299	83992	3:27
10	cis-1,3-dichloropropene		2533	2656857	4:02
10	trans-1,3-dichloropropene		2533	2656857	4:02
11	trans-1,3-dichloropropene		17814	6356922	4:16
12	toluene		19970	4321161	4:45
13	1,2-dibromoethane		13938	2879763	6:00
14	chlorobenzene		9373	2110513	6:27
15	ethylbenzene		3191	2217716	6:46
16	unknown		4304	2208129	6:53
17	unknown		9990	2019209	7:21
18	styrene		830	221515	8:06
19	unknown		226	178831	8:25
20	4-methyltoluene		3998	1204713	9:28
21	1,3,5-trimethylbenzene		6820	1879790	9:42
22	unknown		840	578359	10:47
23	unknown		449	758433	12:54
24	Carrier Gas Impurity		330	578820	13:23
25	Carrier Gas Impurity		1365	1148984	13:42
26	unknown		1537	1369068	14:14
27	unknown		300	1274775	14:47

'C:\WPEAK\TO142.JOB' Run #197 9/24/99 12:24PM



INJ/DET Temp=180

Analysis time=16:00

Inject Time=0:10

Oven Temp=50

Sample Time=0:20

Syringe Inj=On

Alarms=Off

Paper Save=Off

Cont. Pump=Off

311 Plotter=Off

311 TWA=Off

311 STEL=Off

311 TWA Cycle=1

Calibration Cycle=0

Repeat Cycle=1

Comment:

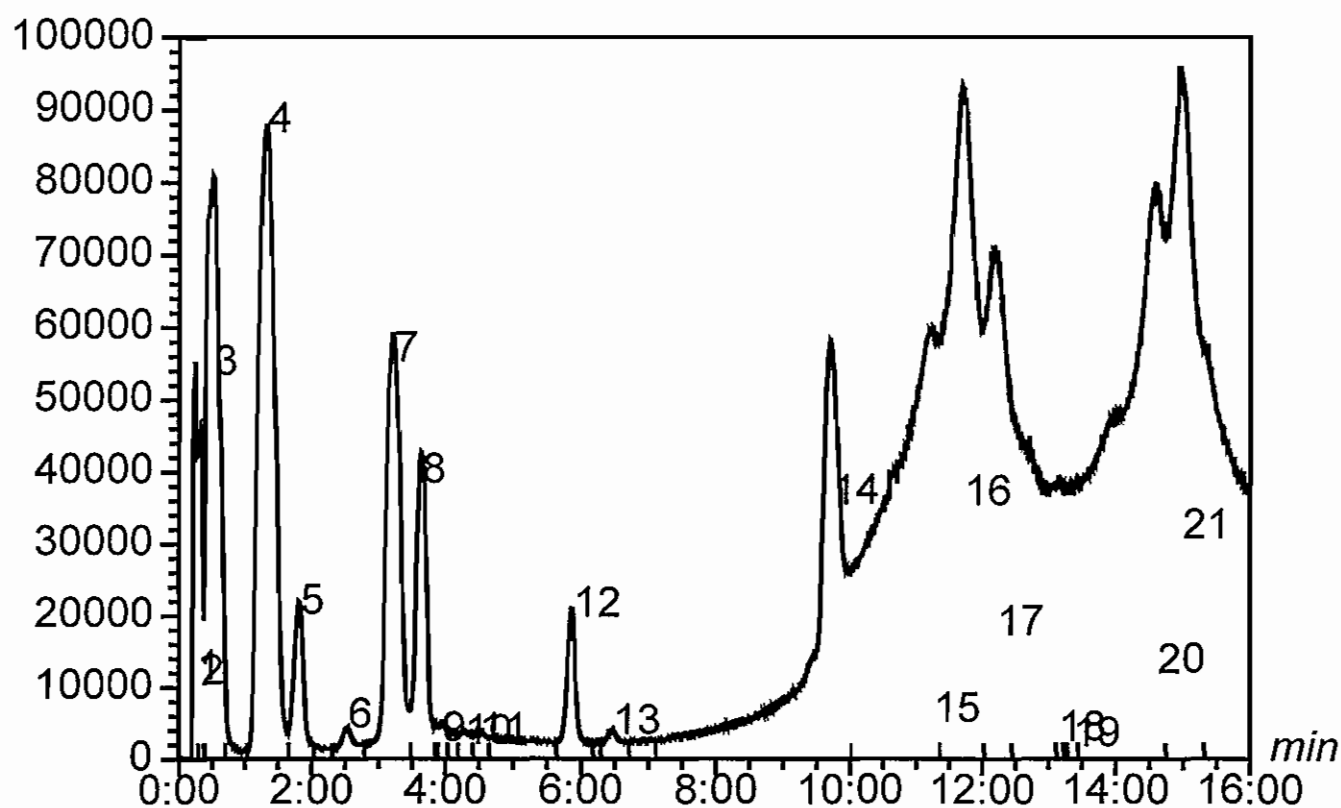
0.3 ppm TO-14 calibration3

Cal failed

'C:\WPEAK\TO142.JOB' Run #197 9/24/99 12:24PM

	Name	Conc	Height	Area	Time
1	vinyl chloride	1.068	893	216850	0:38
2	bromomethane	0.925	1229	259923	1:05
3	1,1-dichloroethene	1.970	2116	477050	1:27
4	unknown		1955	422970	1:49
5	cis-1,2-dichloroethene	1.259	259	100451	2:33
6	unknown		1972	452017	2:45
7	unknown		1921	537740	3:13
8	trans-1,3-dichloropropene	1.317	1207	737296	4:10
9	unknown		4162	1261667	4:25
10	unknown		4421	882450	4:53
11	unknown		2699	547868	6:04
12	chlorobenzene	1.115	1691	363720	6:31
13	ethylbenzene	1.135	626	417114	6:50
14	unknown		603	307020	6:57
15	unknown		1576	305896	7:24
16	styrene	0.780	1721	358347	8:07
17	unknown		371	205160	8:26
18	4-methyltoluene	1.120	384	114825	9:29
19	1,3,5-trimethylbenzene	1.148	633	192952	9:43
20	unknown		1048	532425	10:47
21	unknown		629	1063526	12:53
22	Carrier Gas Impurity	0.716	2131	2061816	13:41
23	unknown		2395	1869866	14:13
24	unknown		824	1751470	14:45
25	unknown		349	1320365	15:09

'C:\WPEAK\TO142.JOB' Run #197 9/24/99 12:24PM



INJ/DET Temp=180

Oven Temp=50

Syringe Inj=On

Cont. Pump=Off

311 Plotter=Off

311 TWA Cycle=1

Comment:

0.3 ppm TO-14 calibration3

Analysis time=16:00

Sample Time=0:20

Alarms=Off

311 TWA=Off

Calibration Cycle=0

Inject Time=0:10

Paper Save=Off

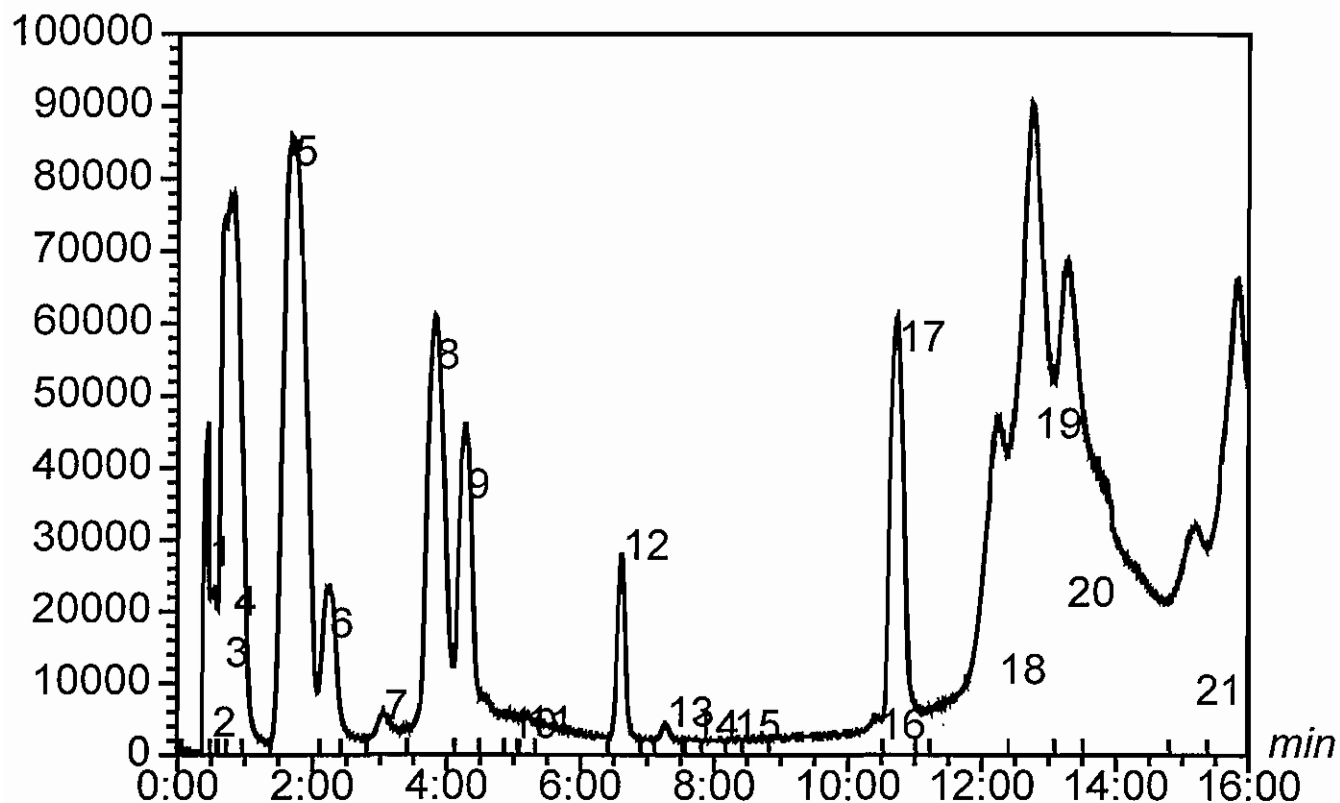
311 STEL=Off

Repeat Cycle=1

'C:\WPEAK\TO142.JOB' Run #197 9/24/99 12:24PM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	0.605	9149	4601493	0:16
2	dichlorodifluoromethane	0.566	8478	4305126	0:20
3	chloromethane	1.040	51454	21675527	0:32
4	1,2-dichlorotetrafluoroethane	1.139	84984	29920085	1:20
5	unknown		18285	4433940	1:50
6	unknown		2453	1244344	2:33
7	1,1-dichloroethane	1.094	53334	17621071	3:14
8	chloroform	1.120	36488	9541215	3:39
9	1,2-dichloroethane	0.970	532	798681	3:57
10	1,1,1-trichloroethane	1.693	153	843909	4:18
11	unknown		443	924997	4:31
12	unknown		17886	4236270	5:53
13	1,1,2-trichloroethane	2.668	1593	1280827	6:29
14	unknown		33538	35788080	9:44
15	Carrier Gas Impurity	13.434	3291	61220195	11:16
16	unknown		33460	55998940	11:44
17	unknown		15303	30801824	12:13
18	unknown		645	4819024	13:09
19	unknown		-127	6880859	13:22
20	unknown		10056	77022856	14:37
21	Carrier Gas impurity	11.189	28693	50992556	15:00

'C:\WPEAK\TO142.JOB' Run #198 9/24/99 12:52PM



INJ/DET Temp=180

Analysis time=16:00

Inject Time=0:10

Oven Temp=50

Sample Time=0:20

Syringe Inj=On

Alarms=Off

Paper Save=Off

Cont. Pump=Off

311 Plotter=Off

311 TWA=Off

311 STEL=Off

311 TWA Cycle=1

Calibration Cycle=0

Repeat Cycle=1

Comment:

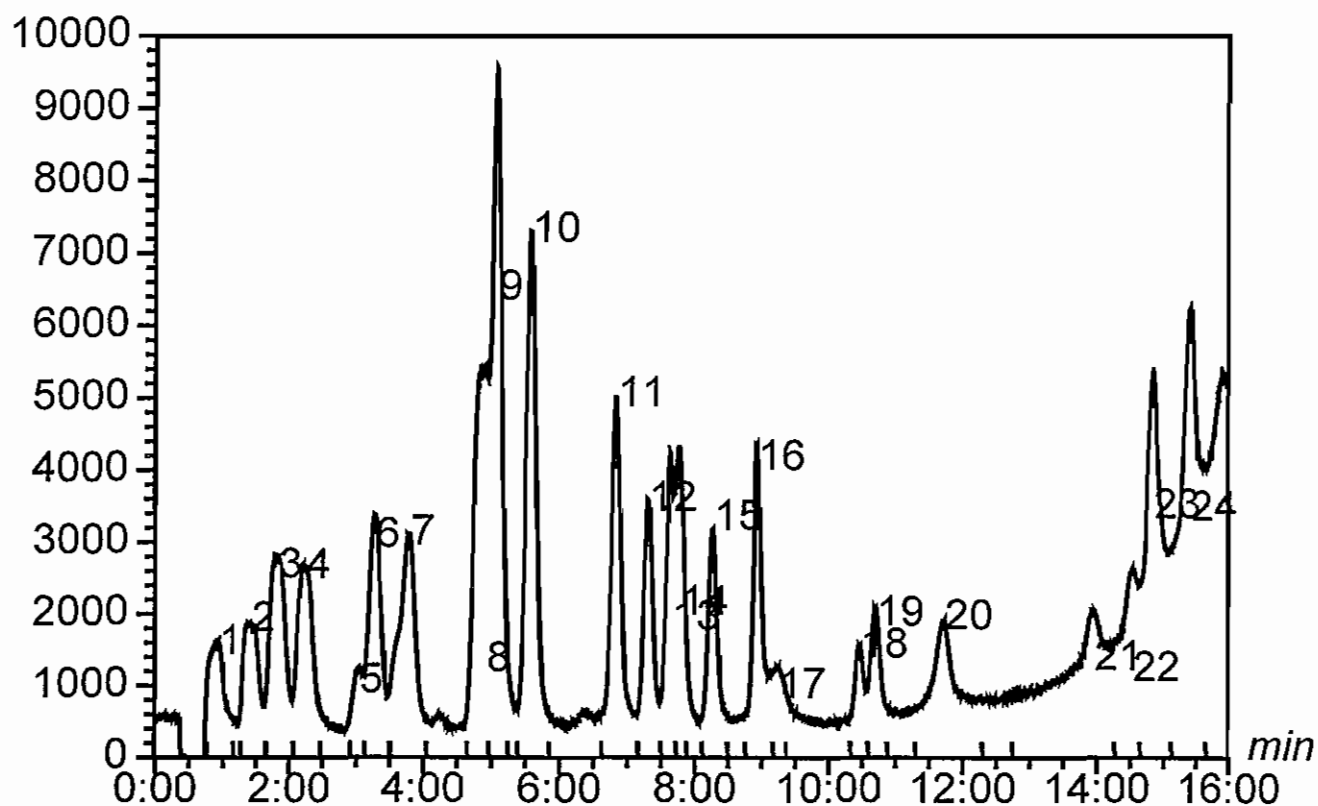
0.3 ppm TO-14 calibration4

*Cal failed
cleaning port*

'C:\WPEAK\TO142.JOB' Run #198 9/24/99 12:52PM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	0.961	24302	4136061	0:27
1	chloromethane	0.191	24302	4136061	0:27
2	chloromethane	0.115	543	2487078	0:32
3	chloromethane	0.379	10296	8205875	0:42
4	unknown		17379	18835996	0:50
5	chloroethane	12.668	79688	39344170	1:42
6	trichlorofluoromethane	6.997	14311	6283010	2:15
7	1,1,2-trichloro-1,2,2-trifluoroethane	0.137	2750	2339175	3:04
8	chloroform	2.366	51550	22575148	3:49
9	1,1,1-trichloroethane	15.049	33626	12700365	4:17
10	unknown		265	1220099	4:57
11	unknown		598	1352501	5:12
12	1,1,2-trichloroethane	4.089	25224	5236732	6:38
13	1,1,2,2-tetrachloroethane	5.469	1945	1163812	7:18
14	unknown		132	480161	7:41
15	unknown		122	492435	8:18
16	Carrier Gas Impurity	1.056	167	4813999	10:28
17	unknown		54090	17462617	10:45
18	unknown		7913	24878230	12:16
19	unknown		42090	50933800	12:47
20	unknown		18735	29118016	13:17
21	unknown		5087	17672534	15:12

'C:\WPEAK\TO142.JOB' Run #198 9/24/99 12:53PM



INJ/DET Temp=180

Oven Temp=50

Syringe Inj=On

Cont. Pump=Off

311 Plotter=Off

311 TWA Cycle=1

Comment:

0.3 ppm TO-14 calibration4

Analysis time=16:00

Sample Time=0:20

Alarms=Off

311 TWA=Off

Calibration Cycle=0

Inject Time=0:10

Paper Save=Off

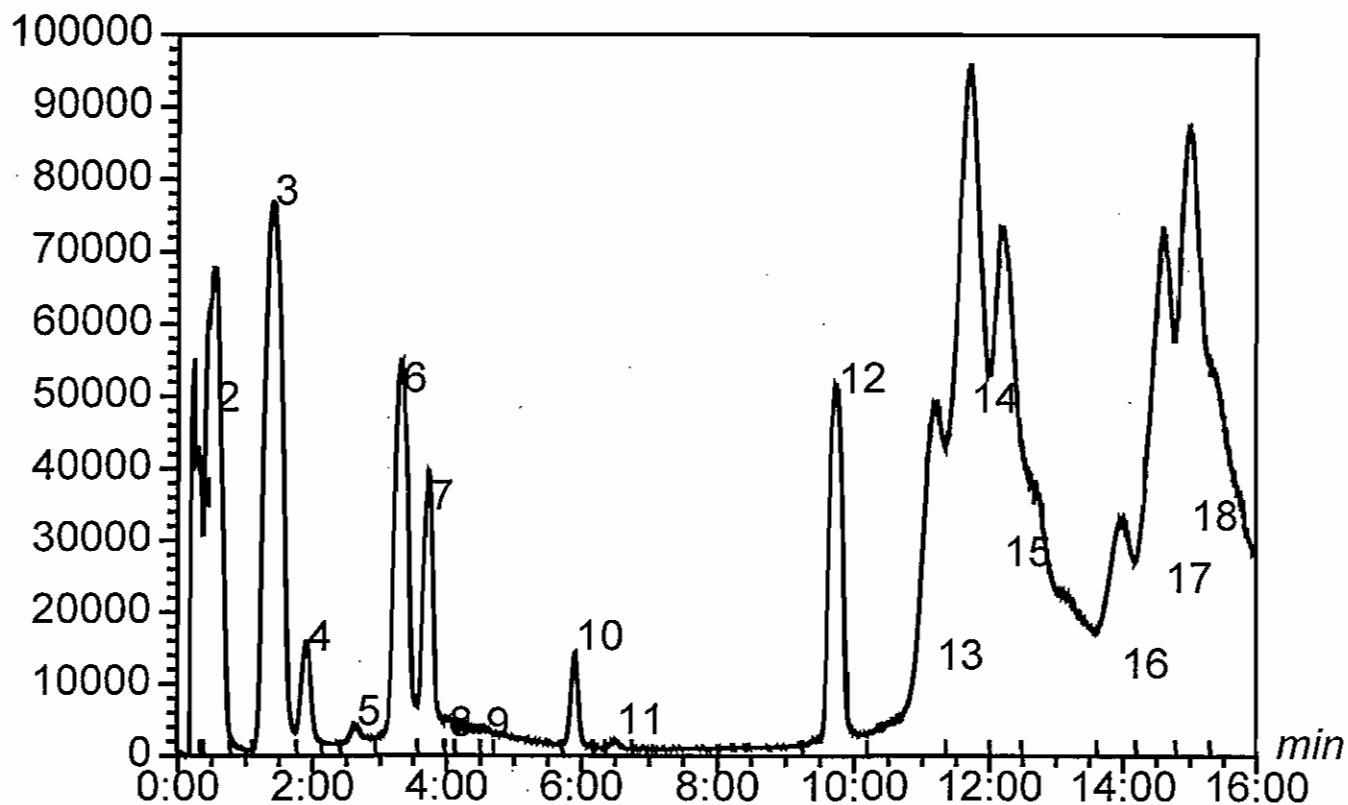
311 STEL=Off

Repeat Cycle=1

'C:\WPEAK\TO142.JOB' Run #198 9/24/99 12:53PM

	Name	Conc	Height	Area	Time
1	bromomethane	1.110	783	288533	0:57
2	1,1-dichloroethene	0.823	1105	392430	1:27
3	unknown		1850	685264	1:51
4	3-chloropropene	1.386	1842	616820	2:15
5	benzene	0.284	241	123882	3:03
6	trichloroethene	1.353	2268	679785	3:18
7	cis-1,3-dichloropropene	0.294	2303	780173	3:48
8	unknown		542	1225442	4:56
9	unknown		5701	1845397	5:06
10	unknown		6502	1353624	5:36
11	ethylbenzene	2.000	4227	834021	6:51
12	unknown		2773	539374	7:20
13	unknown		1124	571989	7:40
14	p-xylene	1.756	1330	551580	7:48
15	styrene	1.287	2521	461250	8:17
16	unknown		3354	656397	8:57
17	o-xylene	0.095	184	151727	9:15
18	1,2,4-trimethylbenzene	0.252	741	171546	10:29
19	1,2,4-trimethylbenzene	0.437	1183	297188	10:43
20	unknown		1139	605028	11:45
21	unknown		571	1223788	13:58
22	Carrier Gas Impurity	0.235	419	675930	14:33
23	unknown		2681	1663994	14:51
24	unknown		2648	2301456	15:25

'C:\WPEAK\TO142.JOB' Run #196 9/24/99 12:01PM



INJ/DET Temp=180

Analysis time=16:00

Inject Time=0:10

Oven Temp=50

Sample Time=0:20

Syringe Inj=On

Alarms=Off

Paper Save=Off

Cont. Pump=Off

311 Plotter=Off

311 TWA=Off

311 STEL=Off

311 TWA Cycle=1

Calibration Cycle=0

Repeat Cycle=1

Comment:

0.3 ppm TO-14 calibration3

Cal checked

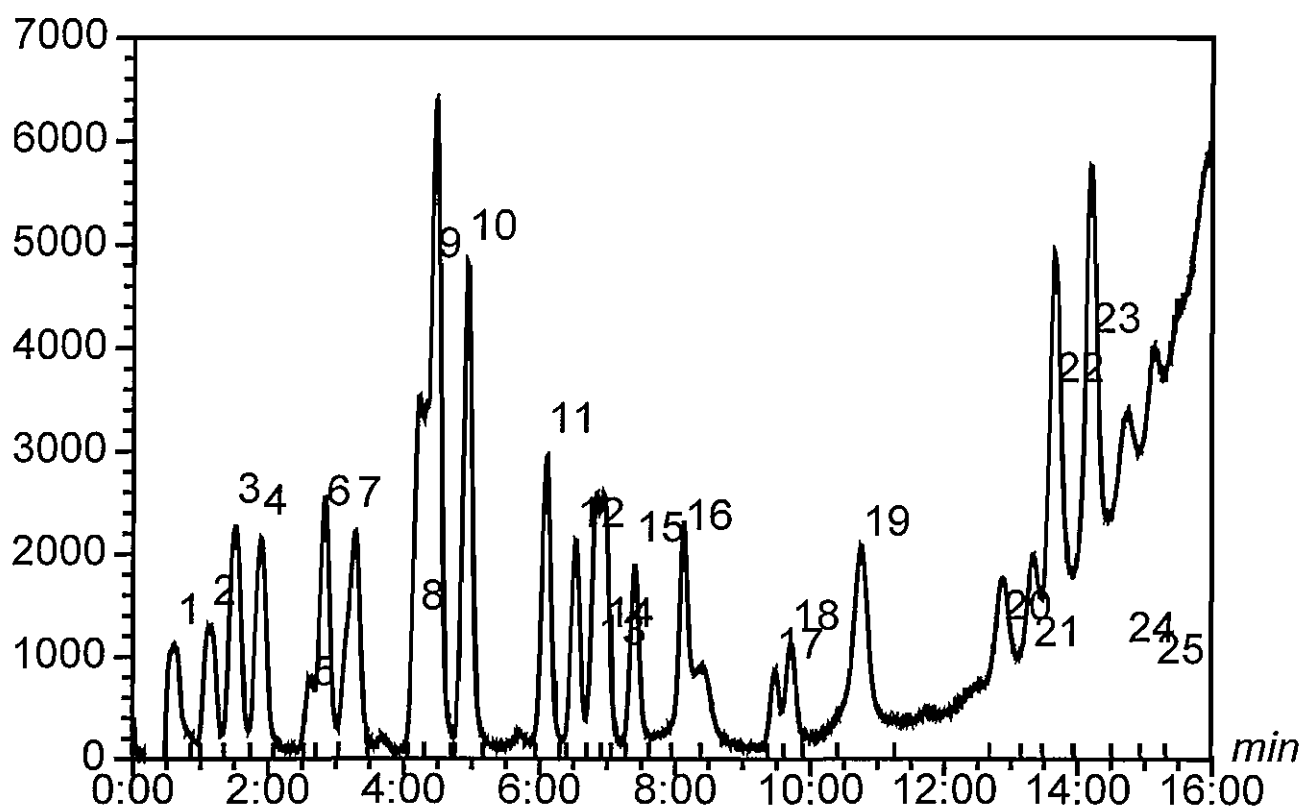


Printed on Recycled Paper

'C:\WPEAK\TO142.JOB' Run #196 9/24/99 12:01PM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	1.036	32448	7610571	0:15
2	chloromethane	1.116	45725	20836968	0:33
3	unknown		74264	27959176	1:25
4	unknown		12501	3404130	1:56
5	unknown		2088	1386183	2:39
6	1,1-dichloroethane	1.412	48333	16101451	3:20
7	chloroform	1.141	32005	8521181	3:45
8	1,2-dichloroethane	1.196	460	823131	4:03
9	unknown		349	762301	4:36
10	unknown		12605	2501684	5:55
11	1,1,2-trichloroethane	0.489	961	480101	6:32
12	unknown		48337	14801610	9:45
13	Carrier Gas Impurity	4.767	9918	21724030	11:12
14	unknown		45613	52576946	11:43
15	unknown		24290	34102278	12:13
16	unknown		8780	17476550	13:59
17	unknown		20721	35401276	14:37
18	Carrier Gas impurity	9.238	29337	42100192	15:00

'C:\WPEAK\TO142.JOB' Run #196 9/24/99 12:01PM



INJ/DET Temp=180

Oven Temp=50

Syringe Inj=On

Cont. Pump=Off

311 Plotter=Off

311 TWA Cycle=1

Comment:

0.3 ppm TO-14 calibration3

Analysis time=16:00

Sample Time=0:20

Alarms=Off

311 TWA=Off

Calibration Cycle=0

Inject Time=0:10

Paper Save=Off

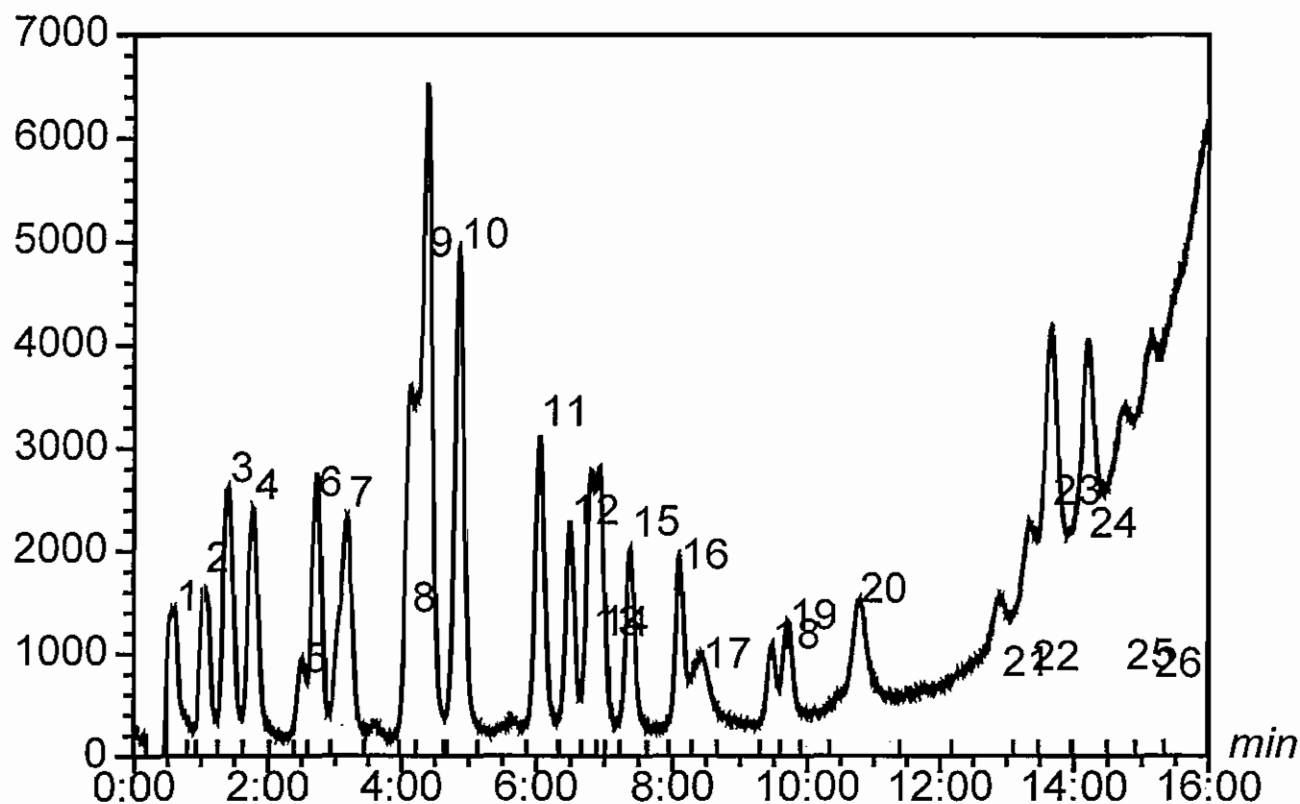
311 STEL=Off

Repeat Cycle=1

'C:\WPEAK\TO142.JOB' Run #196 9/24/99 12:01PM

	Name	Conc	Height	Area	Time
1	vinyl chloride	0.822	762	202965	0:39
2	1,1-dichloroethene	0.489	945	242169	1:11
3	methylene chloride	1.031	1937	451366	1:32
4	unknown		1824	394186	1:55
5	cis-1,2-dichloroethene	0.758	156	79808	2:39
6	benzene	0.184	1905	436875	2:51
7	trichloroethene	0.941	1894	502287	3:18
8	trans-1,3-dichloropropene	0.978	893	559738	4:15
9	toluene	0.327	4308	1411616	4:29
10	unknown		4484	845869	4:57
11	tetrachloroethene	0.934	2620	483506	6:07
12	chlorobenzene	0.870	1699	326175	6:33
12	ethylbenzene	0.743	1699	326175	6:33
13	ethylbenzene	0.837	553	367614	6:52
14	m-xylene	0.156	729	340374	6:59
15	unknown		1561	278560	7:26
16	styrene	1.441	1679	459490	8:09
17	4-methyltoluene	0.639	433	102484	9:30
18	1,3,5-trimethylbenzene	0.715	705	168122	9:44
19	unknown		1617	655293	10:47
20	unknown		804	574137	12:54
21	unknown		549	502061	13:21
22	Carrier Gas Impurity	0.519	3111	1493365	13:41
23	unknown		3593	1978435	14:13
24	unknown		592	1330663	14:45
25	unknown		381	1430730	15:11

'C:\WPEAK\TO142.JOB' Run #195 9/24/99 10:58AM



INJ/DET Temp=180

Oven Temp=50

Syringe Inj=On

Cont. Pump=Off

311 Plotter=Off

311 TWA Cycle=1

Comment:

0.3 ppm TO-14 calibration2

Analysis time=16:00

Sample Time=0:20

Alarms=Off

311 TWA=Off

Calibration Cycle=0

Inject Time=0:10

Paper Save=Off

311 STEL=Off

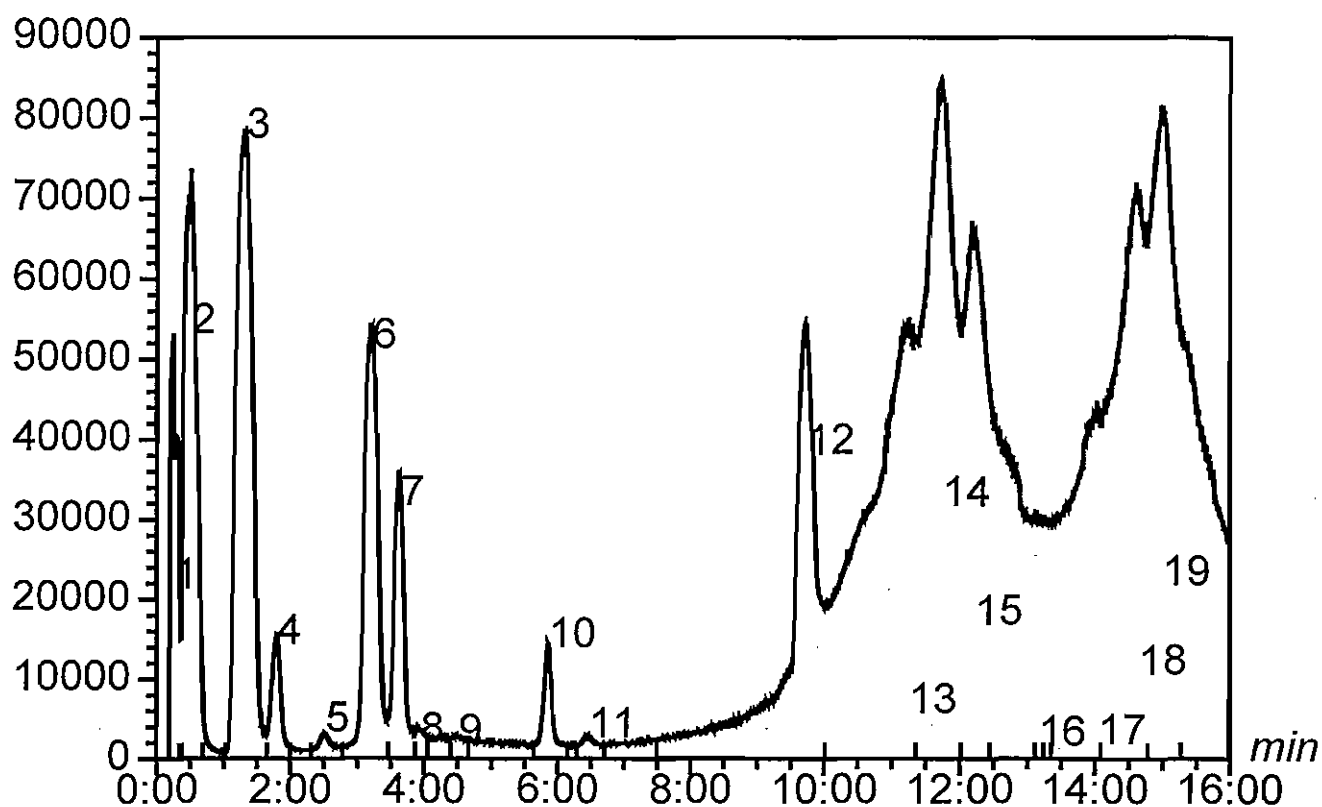
Repeat Cycle=1

Cal loaded

'C:\WPEAK\TO142.JOB' Run #195 9/24/99 10:58AM

	Name	Conc	Height	Area	Time
1	vinyl chloride	1.120	887	246845	0:37
2	bromomethane	1.061	1261	281076	1:05
3	1,1-dichloroethene	0.257	2137	495705	1:26
4	methylene chloride	0.952	1968	437622	1:48
5	cis-1,2-dichloroethene	0.985	280	105305	2:32
6	unknown		1989	473244	2:45
7	unknown		1894	559497	3:12
8	trans-1,3-dichloropropene	1.101	869	572285	4:09
9	unknown		4316	1485398	4:24
10	unknown		4399	924248	4:53
11	unknown		2681	555812	6:04
12	chlorobenzene	1.095	1723	374700	6:31
13	ethylbenzene	1.268	640	439029	6:50
14	unknown		638	330965	6:57
15	unknown		1609	335495	7:24
16	styrene	0.346	1290	318888	8:08
17	unknown		325	234225	8:27
18	4-methyltoluene	1.071	507	160323	9:29
19	1,3,5-trimethylbenzene	0.913	696	234995	9:44
20	unknown		959	676179	10:48
21	unknown		244	873944	12:57
22	Carrier Gas Impurity	0.241	299	693975	13:23
23	Carrier Gas Impurity	0.512	1915	1473499	13:42
24	unknown		1601	1600978	14:14
25	unknown		315	1332093	14:46
26	unknown		232	1683408	15:12

'C:\WPEAK\TO142.JOB' Run #195 9/24/99 10:58AM



INJ/DET Temp=180

Oven Temp=50

Syringe Inj=On

Cont. Pump=Off

311 Plotter=Off

311 TWA Cycle=1

Comment:

0.3 ppm TO-14 calibration2

Analysis time=16:00

Sample Time=0:20

Alarms=Off

311 TWA=Off

Calibration Cycle=0

Inject Time=0:10

Paper Save=Off

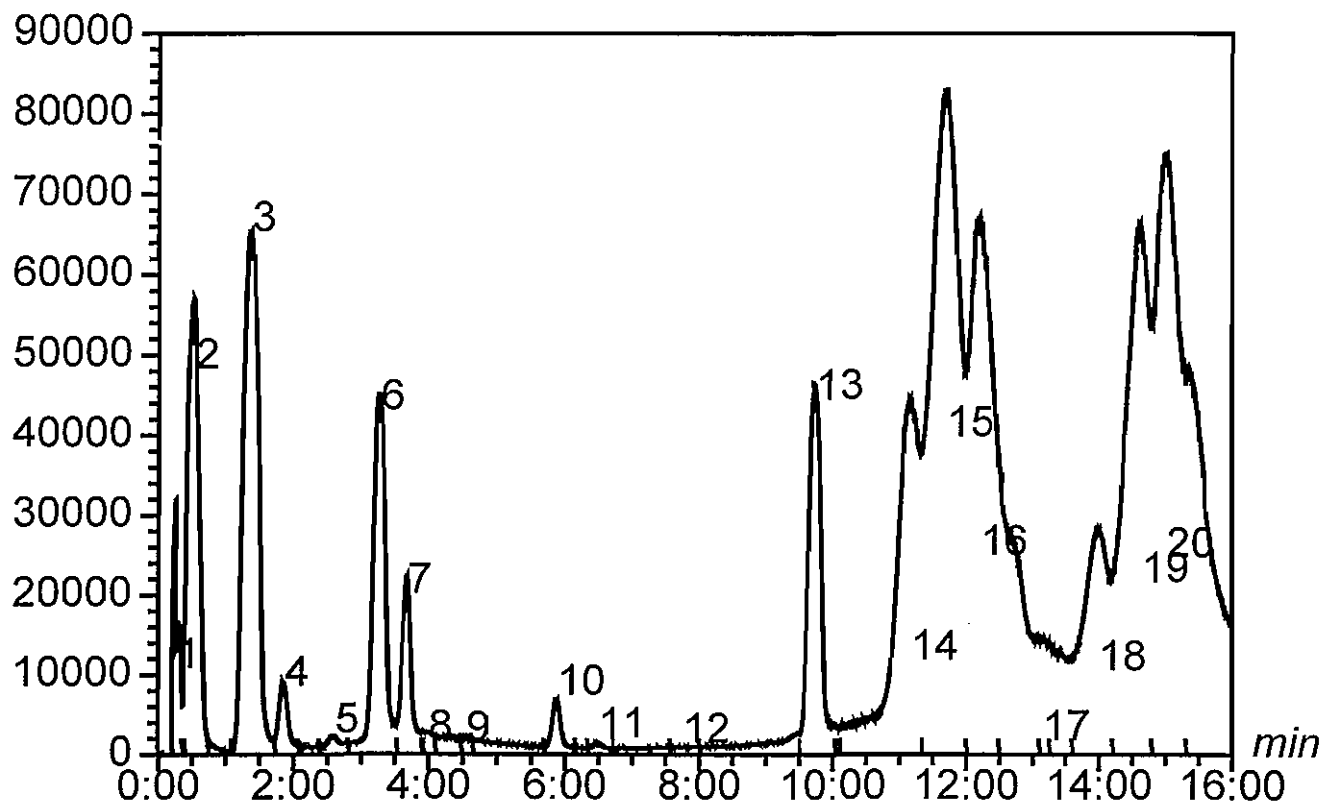
311 STEL=Off

Repeat Cycle=1

'C:\WPEAK\TO142.JOB' Run #195 9/24/99 10:58AM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	2.199	19773	7348698	0:15
2	chloromethane	1.384	51625	18675831	0:31
3	1,2-dichlorotetrafluoroethane	1.283	75847	26276453	1:19
4	chloroethane	0.600	12824	3105796	1:48
5	unknown		1808	965461	2:32
6	unknown		49682	15288315	3:13
7	chloroform	1.731	30078	7469533	3:39
8	1,2-dichloroethane	1.249	446	688485	3:57
9	unknown		317	772441	4:31
10	unknown		12383	2942913	5:52
11	1,1,2-trichloroethane	2.264	1089	982265	6:29
12	unknown		36567	29384663	9:45
13	Carrier Gas Impurity	11.333	4169	51645760	11:15
14	unknown		30101	50148016	11:45
15	unknown		15215	28674180	12:13
16	unknown		112	4651980	13:10
17	unknown		318	29302041	14:03
18	unknown		9026	44155518	14:39
19	Carrier Gas impurity	8.619	20186	39277036	15:00

'C:\WPEAK\TO142.JOB' Run #194 9/24/99 10:13AM



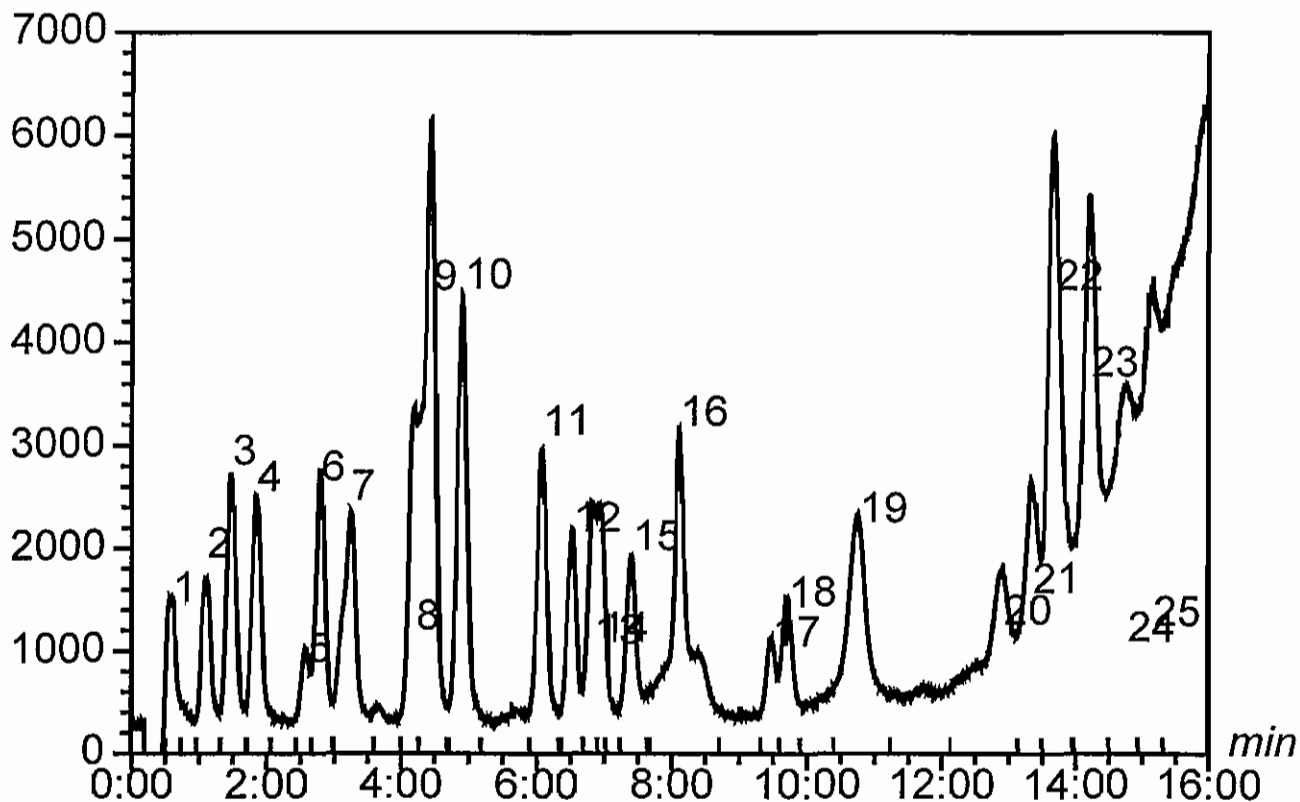
INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
0.3 ppm TO-14 calibration

*failed
make new standard*

'C:\WPEAK\TO142.JOB' Run #194 9/24/99 10:13AM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	0.183	9368	3341730	0:16
2	chloromethane	0.740	46811	13497643	0:33
3	1,2-dichlorotetrafluoroethane	0.804	63889	20481083	1:23
4	unknown		7124	1816183	1:53
5	unknown		1102	741413	2:37
6	1,1-dichloroethane	1.174	41598	11406969	3:17
7	chloroform	7.254	18681	4315830	3:42
8	1,2-dichloroethane	1.453	265	551401	4:00
9	unknown		164	411107	4:33
10	unknown		5996	1445920	5:54
11	1,1,2-trichloroethane	0.574	637	433890	6:30
12	unknown		-1	432025	7:46
13	unknown		42940	12417332	9:45
14	Carrier Gas Impurity	4.647	10339	21178250	11:11
14	Carrier Gas Impurity	4.647	10339	21178250	11:11
15	unknown		38359	47768673	11:42
16	unknown		23493	31577321	12:13
17	unknown		320	2619735	13:10
18	unknown		9063	14478810	14:00
19	unknown		20133	32173620	14:39
20	unknown		23260	36996199	15:01

'C:\WPEAK\TO142.JOB' Run #194 9/24/99 10:13AM



INJ/DET Temp=180

Oven Temp=50

Syringe Inj=On

Cont. Pump=Off

311 Plotter=Off

311 TWA Cycle=1

Comment:

0.3 ppm TO-14 calibration

Analysis time=16:00

Sample Time=0:20

Alarms=Off

311 TWA=Off

Calibration Cycle=0

Inject Time=0:10

Paper Save=Off

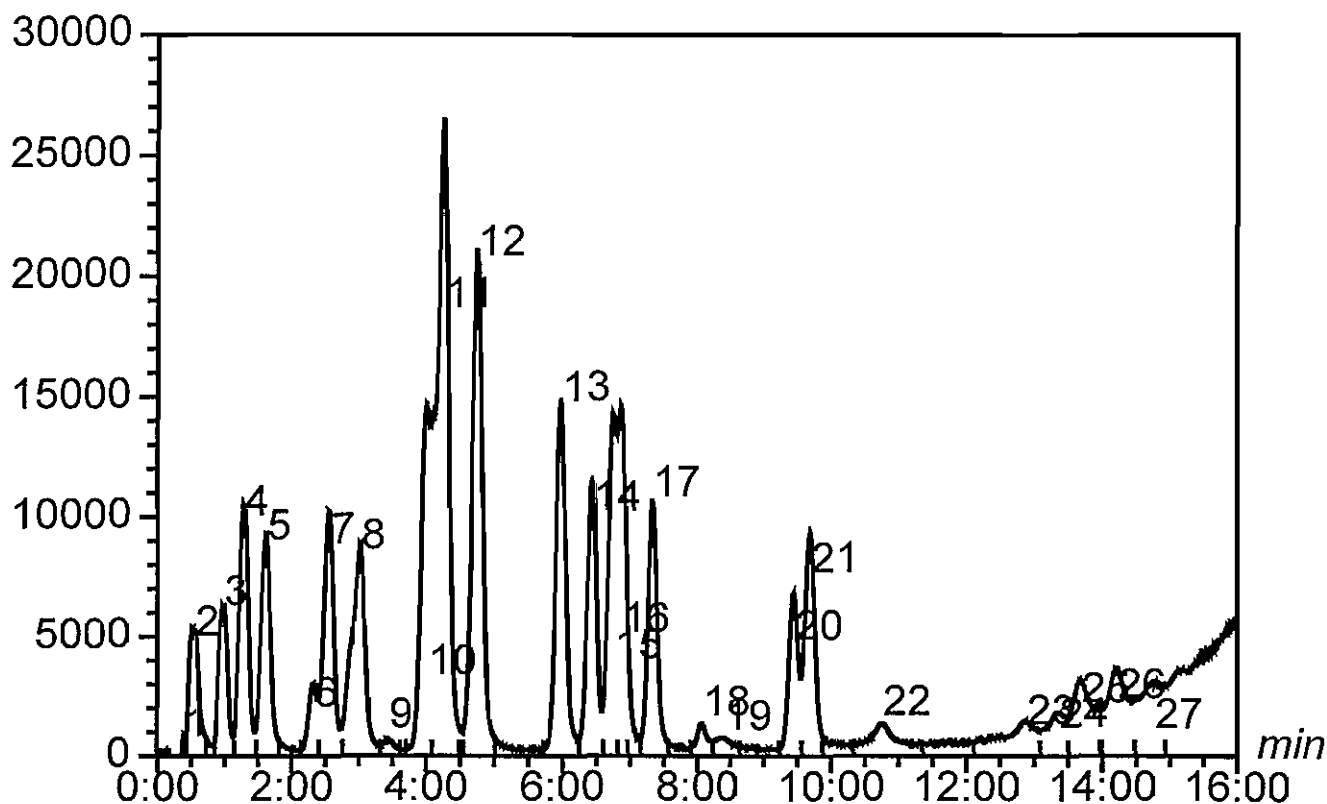
311 STEL=Off

Repeat Cycle=1

'C:\WPEAK\TO142.JOB' Run #194 9/24/99 10:13AM

	Name	Conc	Height	Area	Time
1	vinyl chloride	0.219	888	220402	0:36
2	bromomethane	0.237	1316	264896	1:07
3	methylene chloride	0.260	2220	459900	1:30
4	unknown		1966	412827	1:52
5	cis-1,2-dichloroethene	0.054	296	106911	2:36
6	unknown		2056	444112	2:48
7	trichloroethene	6.357	1871	533907	3:15
8	trans-1,3-dichloropropene	0.082	609	519759	4:13
9	unknown		3907	1349492	4:27
10	unknown		3927	806291	4:55
11	tetrachloroethene	0.243	2506	517728	6:06
12	chlorobenzene	0.162	1562	342135	6:33
12	ethylbenzene	0.154	1562	342135	6:33
13	ethylbenzene	0.156	470	346326	6:51
14	unknown		495	281520	6:57
15	unknown		1387	338149	7:25
16	styrene	4.167	2599	922964	8:08
17	4-methyltoluene	0.124	459	149745	9:30
18	1,3,5-trimethylbenzene	0.137	840	257390	9:44
19	unknown		1660	825759	10:46
20	unknown		670	823555	12:56
21	unknown		974	675608	13:21
22	Carrier Gas Impurity	0.621	3910	1789456	13:42
23	unknown		3077	1846149	14:14
24	unknown		500	1413905	14:47
25	unknown		655	1572090	15:10

'C:\WPEAK\TO142.JOB' Run #193 9/24/99 9:25AM

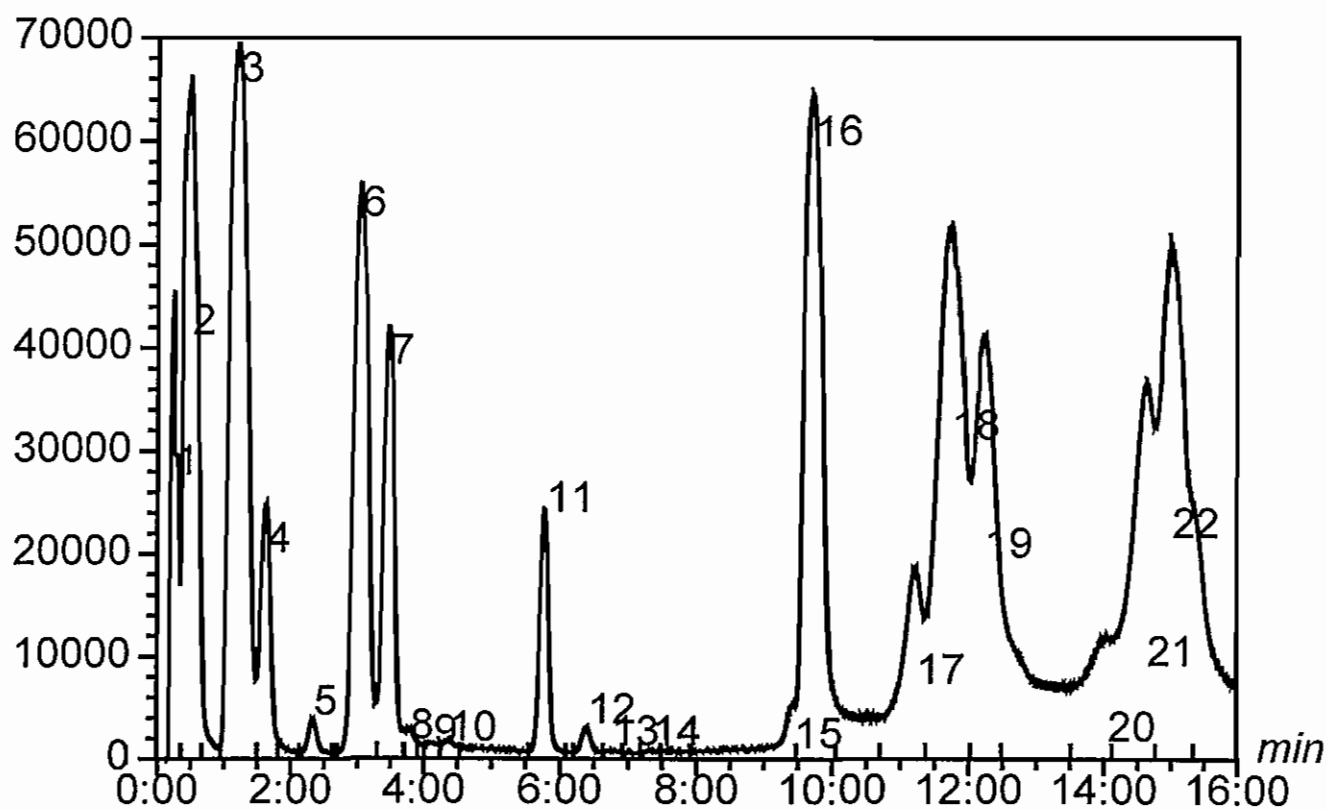


INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
1.0 ppm TO-14 calibration

'C:\WPEAK\TO142.JOB' Run #193 9/24/99 9:25AM

	Name	Conc	Height	Area	Time
1	unknown		-31	29970	0:25
2	vinyl chloride		4173	1007801	0:34
3	bromomethane		5429	1116018	1:00
4	1,1-dichloroethene		9195	1928730	1:18
5	methylene chloride		8181	1771468	1:38
6	3-chloropropene		1184	445117	2:21
7	cis-1,2-dichloroethene		8021	1969647	2:34
8	benzene		7758	2371215	3:02
9	trichloroethene		299	83992	3:27
10	cis-1,3-dichloropropene		2533	2656857	4:02
10	trans-1,3-dichloropropene		2533	2656857	4:02
11	trans-1,3-dichloropropene		17814	6356922	4:16
12	toluene		19970	4321161	4:45
13	1,2-dibromoethane		13938	2879763	6:00
14	chlorobenzene		9373	2110513	6:27
15	ethylbenzene		3191	2217716	6:46
16	unknown		4304	2208129	6:53
17	unknown		9990	2019209	7:21
18	styrene		830	221515	8:06
19	unknown		226	178831	8:25
20	4-methyltoluene		3998	1204713	9:28
21	1,3,5-trimethylbenzene		6820	1879790	9:42
22	unknown		840	578359	10:47
23	unknown		449	758433	12:54
24	Carrier Gas Impurity		330	578820	13:23
25	Carrier Gas Impurity		1365	1148984	13:42
26	unknown		1537	1369068	14:14
27	unknown		300	1274775	14:47

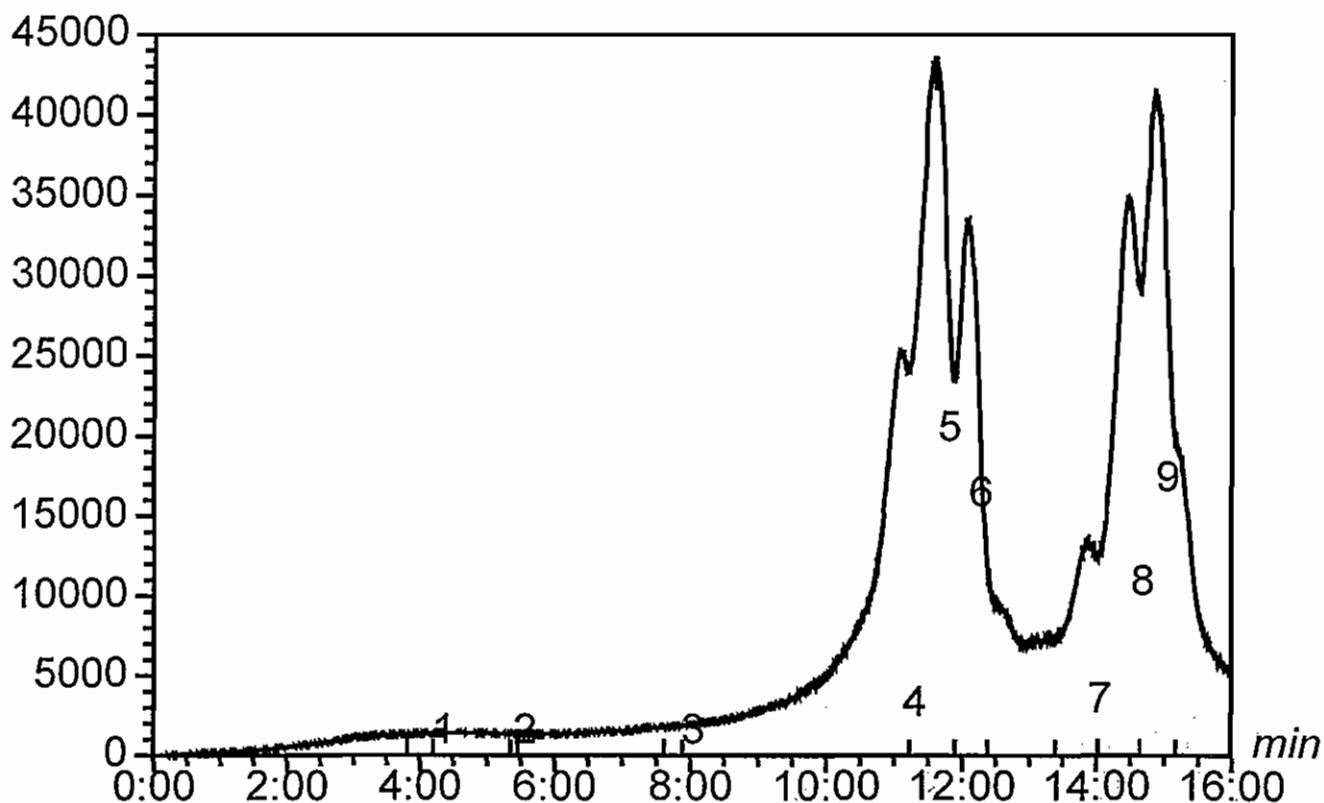
'C:\WPEAK\TO142.JOB' Run #193 9/24/99 9:25AM



INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
1.0 ppm TO-14 calibration

'C:\WPEAK\T0142.JOB' Run #193 9/24/99 9:25AM

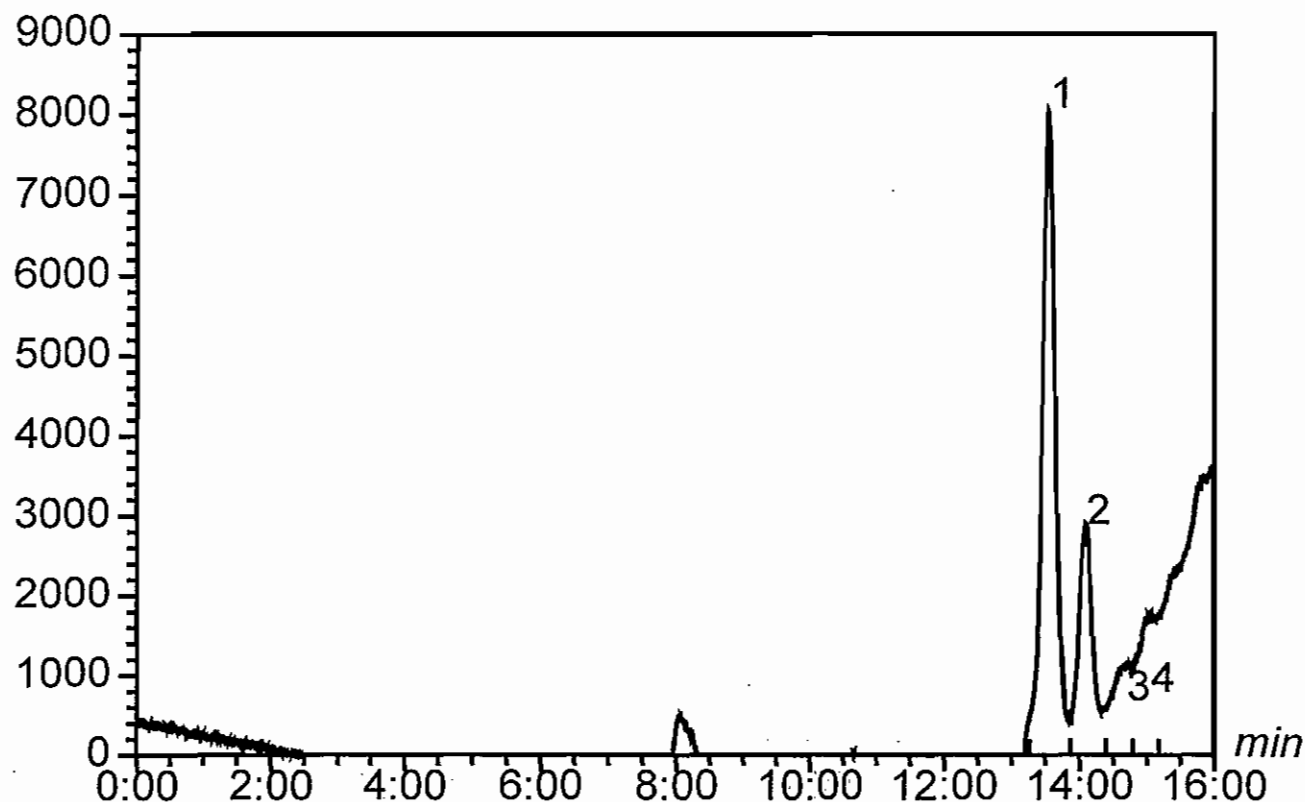
	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane		26531	5808685	0:15
2	dichlorodifluoromethane		40162	18242404	0:30
2	chloromethane		40162	18242404	0:30
3	1,2-dichlorotetrafluoroethane		64495	25465250	1:13
4	chloroethane		18979	5177670	1:39
5	trichlorofluoromethane		3141	897990	2:21
6	1,1,2-trichloro-1,2,2-trifluoroethane		51476	17136496	3:03
7	1,1-dichloroethane		37186	9712331	3:29
8	chloroform		716	594984	3:48
9	1,2-dichloroethane		204	379421	4:09
9	1,1,1-trichloroethane		204	379421	4:09
10	1,1,1-trichloroethane		557	498356	4:23
11	carbon tetrachloride		22927	4557260	5:48
12	1,2-dichloropropane		2316	756247	6:25
12	1,1,2-trichloroethane		2316	756247	6:25
13	unknown		173	252466	6:46
14	unknown		164	252870	7:22
15	unknown		-225	2167847	9:27
16	unknown		58370	23868044	9:44
17	Carrier Gas Impurity		6178	7880337	11:15
18	unknown		29954	27387384	11:45
19	unknown		18500	17360542	12:14
20	unknown		645	6500667	14:04
21	unknown		8006	17229693	14:39
22	unknown		20481	25975626	15:01



INJ/DET Temp=180
Oven Temp=50
Syringe Inj=On
Cont. Pump=Off
311 Plotter=Off
311 TWA Cycle=1
Comment:
blank run in am

Analysis time=16:00 Inject Time=0:10
Sample Time=0:20
Alarms=Off Paper Save=Off
311 TWA=Off 311 STEL=Off
Calibration Cycle=0 Repeat Cycle=1

Name	Conc	Height	Area	Time
1 1,2-dichloroethane	-2	611148	4:11	
1 1,1,1-trichloroethane	-2	611148	4:11	
2 unknown	-3	172607	5:24	
3 unknown	-3	557848	7:52	
4 Carrier Gas Impurity	1750	22221033	11:08	
4 Carrier Gas Impurity	1750	22221033	11:08	
5 unknown	18952	26128610	11:39	
6 Carrier Gas Impurity	14861	14597325	12:07	
7 unknown	1957	7574985	13:53	
8 unknown	9318	17564076	14:30	
9 Carrier Gas impurity	15812	19706592	14:53	



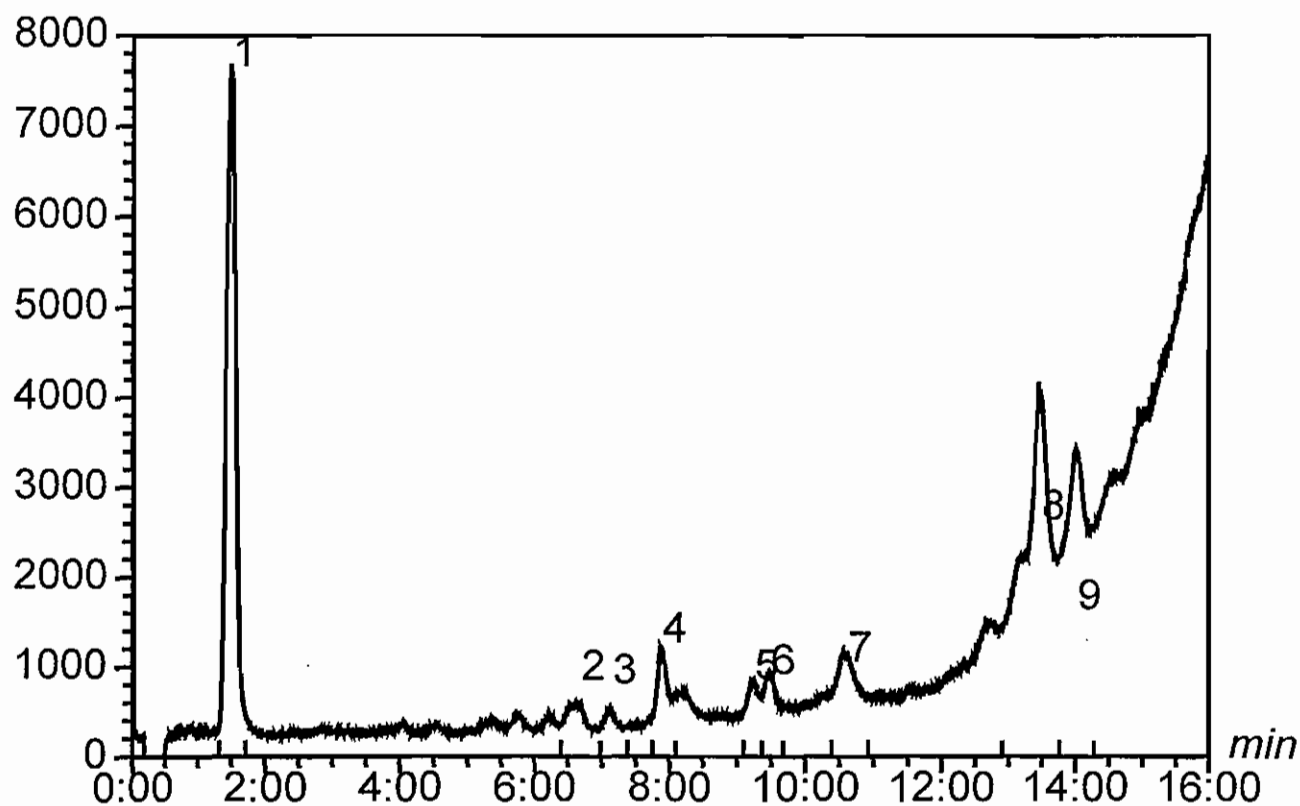
INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
 Oven Temp=50 Sample Time=0:20
 Syringe Inj=On Alarms=Off Paper Save=Off
 Cont. Pump=Off
 311 Plotter=Off 311 TWA=Off 311 STEL=Off
 311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
 Comment:
 blank run in am

	Name	Conc	Height	Area	Time
1	Carrier Gas Impurity		7515	1875687	13:33
2	unknown		2323	610479	14:06
3	Carrier Gas Impurity		119	238284	14:42
4	unknown		228	489608	15:03

'C:\WPEAK\TO142.JOB' Run #191 9/23/99 10:59PM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	9.441	279941	63979336	0:19
2	1,2-dichlorotetrafluoroethane	0.256	72841	20931943	1:07
3	chloroethane	0.818	43713	11957370	1:30
4	1,1,2-trichloro-1,2,2-trifluoroethane	0.034	1174	1206975	2:51
5	unknown		784	8584121	4:41
6	carbon tetrachloride	0.073	238	1063966	5:35
7	1,2-dichloropropane	0.271	-3	891620	6:18
8	unknown		21971	40893648	9:30
9	Carrier Gas Impurity	2.660	3534	38833376	11:03
9	Carrier Gas Impurity	2.660	3534	38833376	11:03
10	unknown		38803	61013006	11:33
11	Carrier Gas Impurity	2.290	16202	33438108	12:02
12	unknown		-137	13467587	13:05
13	unknown		-140	3082460	13:15
14	unknown		11257	50072048	14:27
15	Carrier Gas impurity	3.638	30837	53112392	14:48

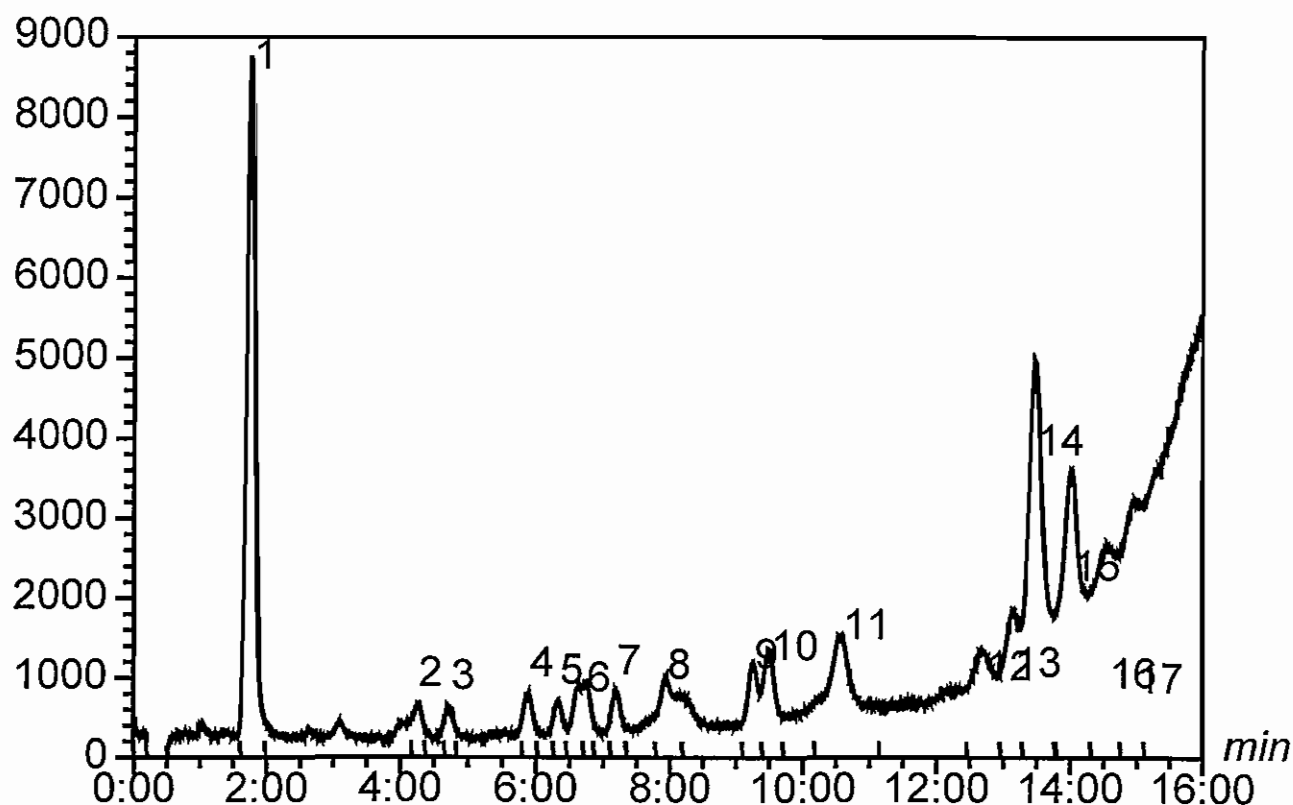
'C:\WPEAK\TO142.JOB' Run #191 9/23/99 10:59PM



INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
s-alfg3 4-8 feet

	Name	Conc	Height	Area	Time
1	methylene chloride	0.879	7226	1411423	1:30
2	chlorobenzene	0.043	224	98780	6:42
2	ethylbenzene	0.043	224	98780	6:42
3	m-xylene	0.022	174	46296	7:09
4	p-xylene	0.684	645	204808	7:54
5	o-xylene	0.082	227	125584	9:15
6	4-methyltoluene	0.082	284	162392	9:30
7	1,2,4-trimethylbenzene	0.565	425	366154	10:38
8	Carrier Gas Impurity	0.774	2002	2123829	13:30
9	unknown		1011	1471413	14:02

'C:\WPEAK\TO142.JOB' Run #190 9/23/99 10:36PM



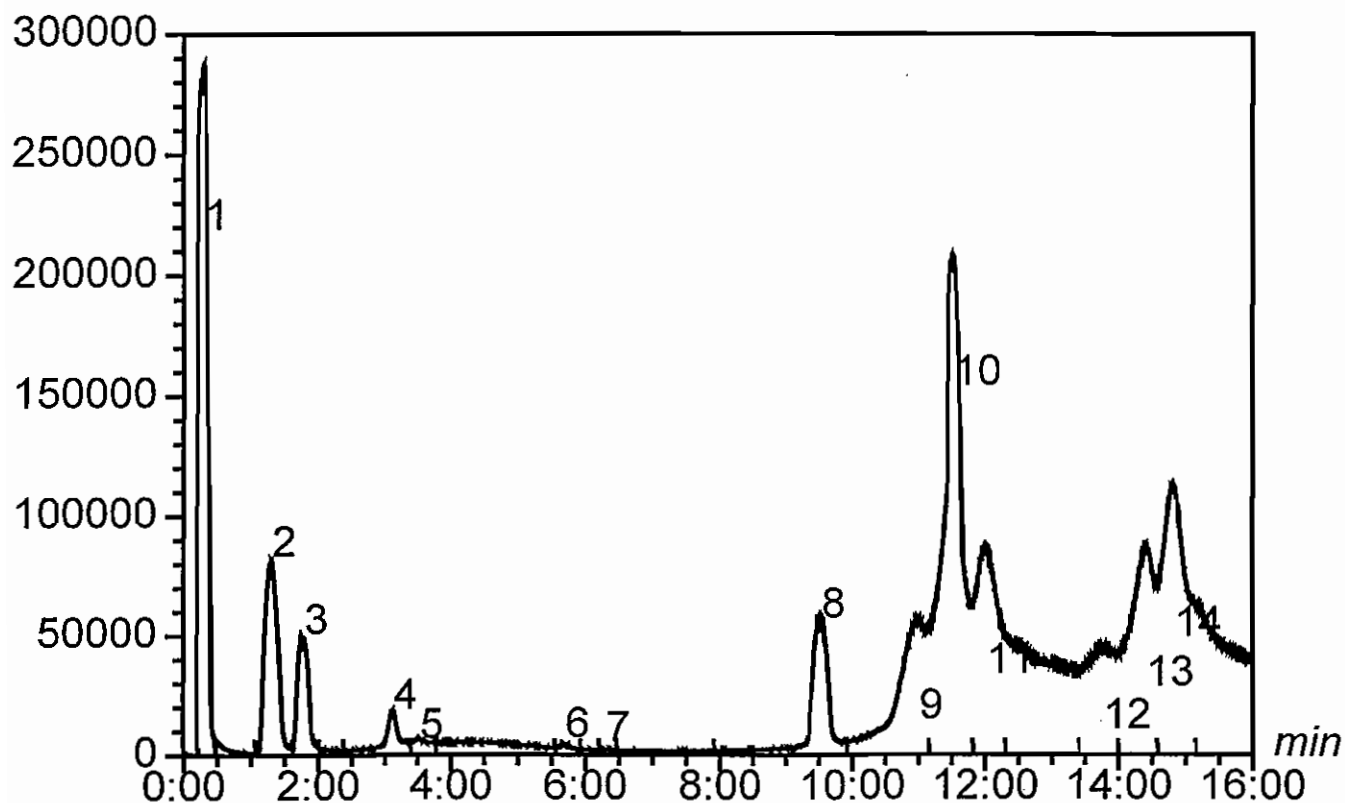
INJ/DET Temp=180
Oven Temp=50
Syringe Inj=On
Cont. Pump=Off
311 Plotter=Off
311 TWA Cycle=1
Comment:
s-alfg3000-4 feet

Analysis time=16:00 Inject Time=0:10
Sample Time=0:20
Alarms=Off Paper Save=Off
311 TWA=Off 311 STEL=Off
Calibration Cycle=0 Repeat Cycle=1

'C:\WPEAK\TO142.JOB' Run #190 9/23/99 10:36PM

	Name	Conc	Height	Area	Time
1	methylene chloride	0.878	7947	1409310	1:47
2	trans-1,3-dichloropropene	0.006	237	35968	4:17
3	toluene	0.006	199	26361	4:45
4	1,2-dibromoethane	0.021	362	58089	5:55
5	tetrachloroethene	0.020	270	40257	6:21
6	ethylbenzene	0.033	177	75309	6:46
7	m-xylene	0.033	391	67968	7:13
8	p-xylene	0.624	340	186750	7:58
9	o-xylene	0.103	470	156792	9:17
10	4-methyltoluene	0.106	578	211027	9:32
11	1,2,4-trimethylbenzene	0.886	835	573832	10:36
12	1,3-dichlorobenzene	0.614	325	413245	12:45
13	unknown		366	421559	13:10
14	Carrier Gas Impurity	0.546	3146	1499934	13:30
15	unknown		1579	1278511	14:03
16	Carrier Gas Impurity	0.371	231	1017172	14:36
17	unknown		169	1064687	15:00

'C:\WPEAK\TO142.JOB' Run #190 9/23/99 10:36PM



INJ/DET Temp=180
Oven Temp=50
Syringe Inj=On
Cont. Pump=Off
311 Plotter=Off
311 TWA Cycle=1
Comment:
s-alfg300-4 feet

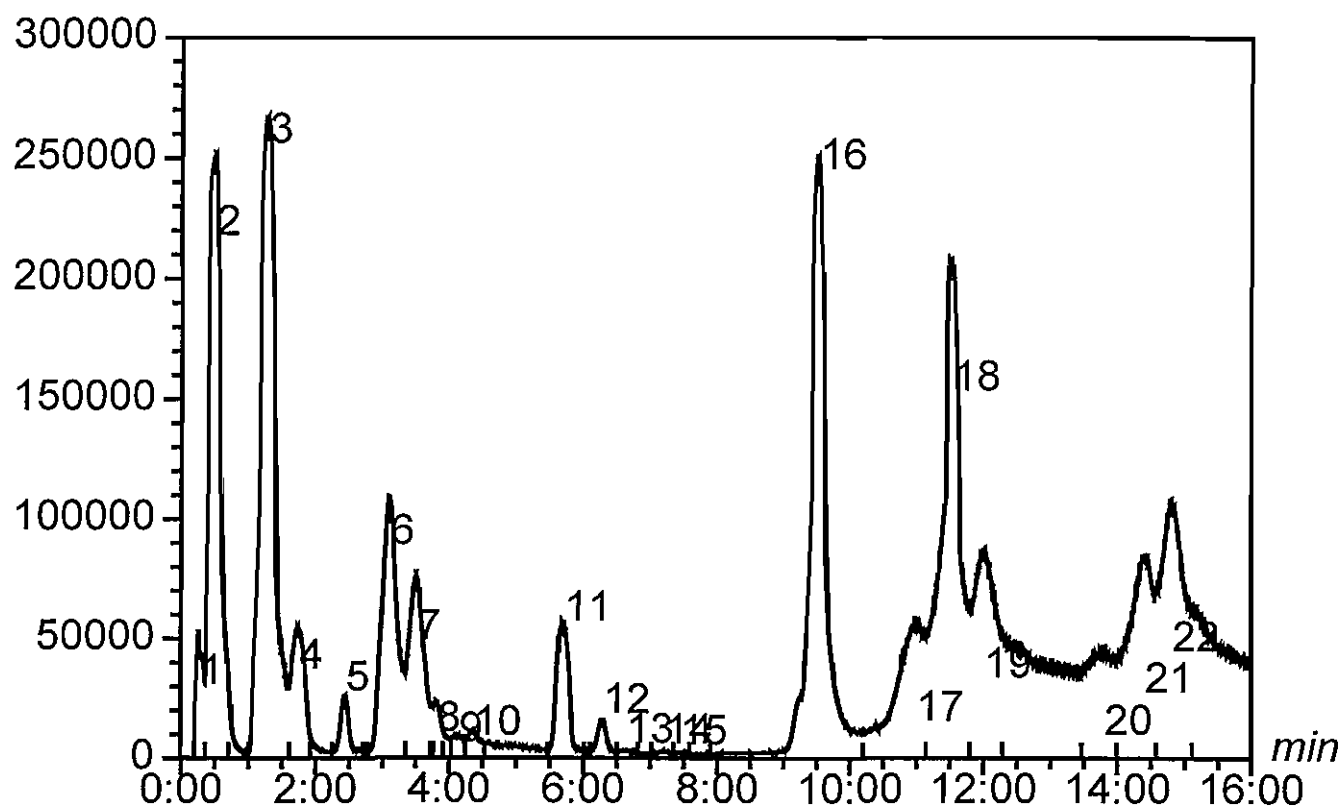
Analysis time=16:00
Sample Time=0:20
Alarms=Off
Paper Save=Off
311 TWA=Off
Calibration Cycle=0
311 STEL=Off
Repeat Cycle=1

Inject Time=0:10

'C:\WPEAK\TO142.JOB' Run #190 9/23/99 10:36PM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	7.860	213731	53262231	0:19
2	1,2-dichlorotetrafluoroethane	0.264	77897	21616370	1:19
3	chloroethane	0.782	45450	11433633	1:48
4	1,1,2-trichloro-1,2,2-trifluoroethane	0.161	13643	5686782	3:09
5	1,1-dichloroethane	0.099	1338	2271225	3:33
6	carbon tetrachloride	0.086	1806	1250535	5:43
7	1,2-dichloropropane	0.152	244	498261	6:19
8	unknown		51974	21020932	9:33
9	Carrier Gas Impurity	2.148	9351	31356825	11:01
9	Carrier Gas Impurity	2.148	9351	31356825	11:01
10	unknown		148614	82148637	11:32
11	Carrier Gas Impurity	2.740	28613	40008847	12:02
12	unknown		5466	26373910	13:47
13	unknown		23337	42996695	14:25
14	Carrier Gas impurity	3.890	43979	56797082	14:50

'C:\WPEAK\TO142.JOB' Run #189 9/23/99 9:39PM



INJ/DET Temp=180

Oven Temp=50

Syringe Inj=On

Cont. Pump=Off

311 Plotter=Off

311 TWA Cycle=1

Comment:

CALIBRATION 1.0 ppm TO-14

Analysis time=16:00

Sample Time=0:20

Alarms=Off

311 TWA=Off

Calibration Cycle=0

Inject Time=0:10

Paper Save=Off

311 STEL=Off

Repeat Cycle=1

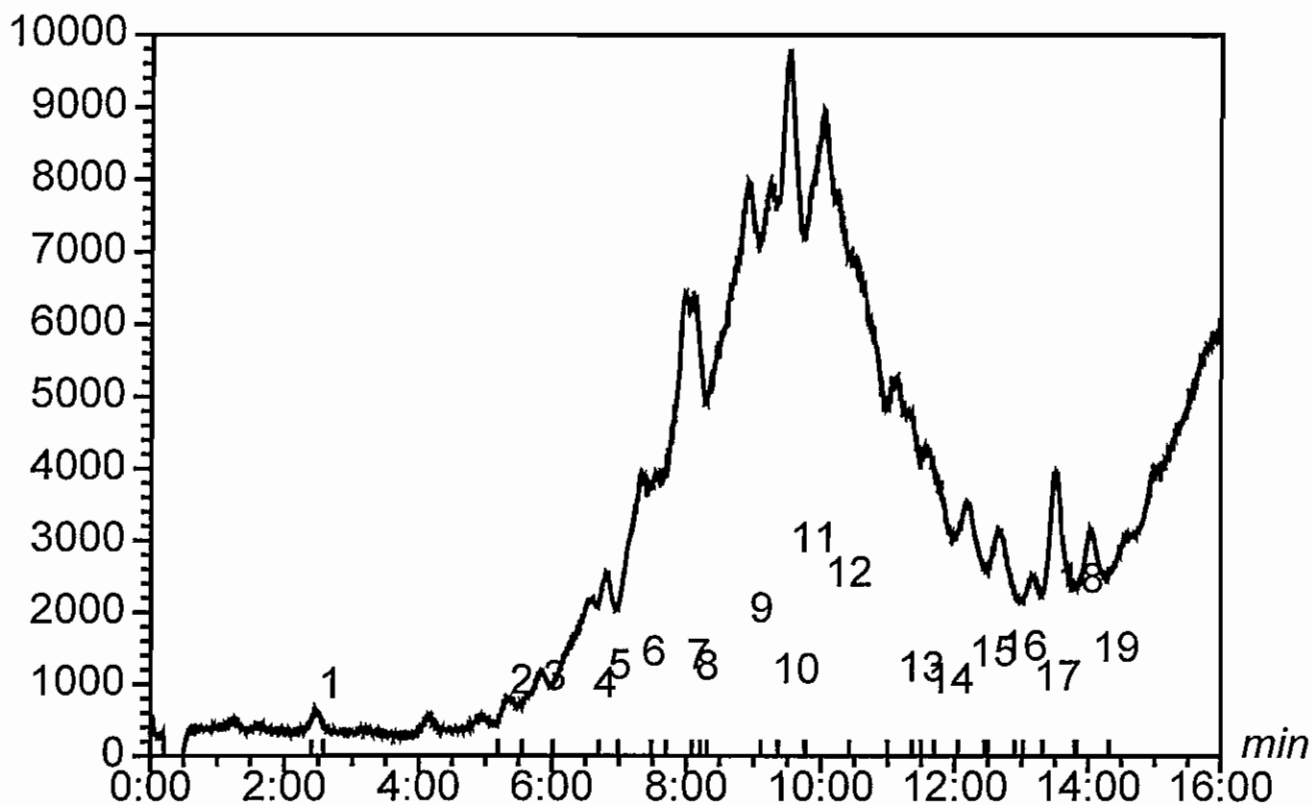
'C:\WPEAK\TO142.JOB' Run #189 9/23/99 9:39PM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	0.474	25563	6776758	0:17
2	chloromethane	4.265	212685	61010552	0:31
3	1,2-dichlorotetrafluoroethane	3.930	250745	81791198	1:17
4	chloroethane	7.464	32023	14620505	1:45
5	trichlorofluoromethane	10.244	22825	4962508	2:27
6	1,1,2-trichloro-1,2,2-trifluoroethane	2.884	83680	35315685	3:07
7	1,1-dichloroethane	4.547	44013	22916370	3:31
8	chloroform	5.466	5525	3582087	3:50
9	1,2-dichloroethane	2.713	1183	1918582	4:09
9	1,1,1-trichloroethane	1.977	1183	1918582	4:09
10	1,1,1-trichloroethane	2.878	4033	2792683	4:23
11	carbon tetrachloride	5.301	51903	14600559	5:43
12	1,2-dichloropropane	2.549	13274	3285141	6:18
13	1,1,2-trichloroethane	1.883	936	835320	6:39
14	1,1,2,2-tetrachloroethane	1.158	721	681811	7:14
15	unknown		289	479513	7:27
16	unknown		240067	84195304	9:32
17	Carrier Gas Impurity	11.487	10216	31638728	11:00
18	unknown		148106	80375416	11:32
19	Carrier Gas Impurity	14.509	28377	39961124	12:01
20	unknown		4620	24231236	13:49
21	unknown		22442	42270336	14:25
22	Carrier Gas impurity	18.858	39543	51939782	14:49

'C:\WPEAK\TO142.JOB' Run #189 9/23/99 9:39PM

	Name	Conc	Height	Area	Time
1	unknown		718	181074	0:24
2	vinyl chloride	5.725	3924	844747	0:34
3	bromomethane	5.160	5030	959675	1:03
4	1,1-dichloroethene	5.192	8612	1729872	1:24
5	methylene chloride	5.306	8271	1605765	1:45
6	3-chloropropene	1.306	1162	412319	2:27
6	cis-1,2-dichloroethene	1.306	1162	412319	2:27
7	cis-1,2-dichloroethene	5.753	8453	1815998	2:39
8	benzene	5.670	7727	2191222	3:06
9	trichloroethene	0.848	250	37017	3:30
10	cis-1,3-dichloropropene	5.052	3584	2535983	4:02
10	trans-1,3-dichloropropene	2.872	3584	2535983	4:02
11	trans-1,3-dichloropropene	6.946	17608	6132299	4:16
12	toluene	6.680	20320	4180289	4:44
13	1,2-dibromoethane	6.295	13753	2744730	5:54
14	tetrachloroethene	6.659	9419	2031429	6:21
15	chlorobenzene	7.177	3270	2303738	6:39
15	ethylbenzene	7.177	3270	2303738	6:39
16	chlorobenzene	7.154	4500	2296413	6:45
16	ethylbenzene	7.154	4500	2296413	6:45
17	m-xylene	6.418	10491	2076933	7:12
18	p-xylene	0.772	466	299316	7:57
19	o-xylene	5.381	5086	1527098	9:16
20	4-methyltoluene	5.606	6955	1983224	9:30
21	1,2,4-trimethylbenzene	0.845	658	647872	10:36
22	1,3-dichlorobenzene	0.412	218	673466	12:45
23	unknown		328	445098	13:09
24	Carrier Gas Impurity	3.350	2986	1460811	13:29
25	unknown		1243	1226628	14:02
26	Carrier Gas Impurity	2.283	192	995347	14:36
27	unknown		190	1103115	14:59

'C:\WPEAK\TO142.JOB' Run #188 9/23/99 9:03PM



INJ/DET Temp=180

Analysis time=16:00

Inject Time=0:10

Oven Temp=50

Sample Time=0:20

Syringe Inj=On

Alarms=Off

Paper Save=Off

Cont. Pump=Off

311 Plotter=Off

311 TWA=Off

311 STEL=Off

311 TWA Cycle=1

Calibration Cycle=0

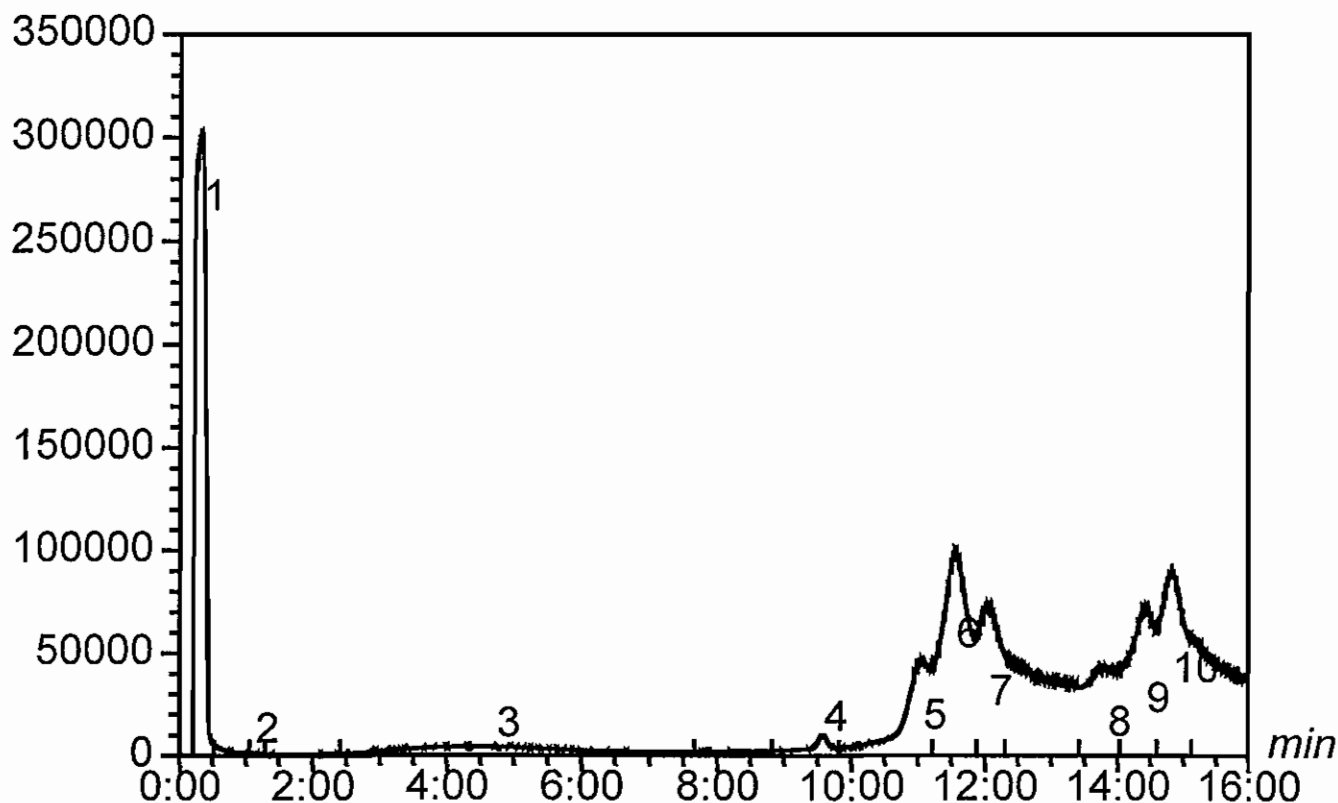
Repeat Cycle=1

Comment:

s-alfg2-DUPLICATE 8-12 feet mild petroleum odor. sample direct no diluti

'C:\WPEAK\TO142.JOB' Run #188 9/23/99 9:03PM

	Name	Conc	Height	Area	Time
1	3-chloropropene	0.072	144	22842	2:30
1	cis-1,2-dichloroethene	0.072	144	22842	2:30
2	unknown		189	103020	5:22
3	1,2-dibromoethane	0.627	248	273411	5:51
4	chlorobenzene	2.952	151	947672	6:37
4	ethylbenzene	2.952	151	947672	6:37
5	ethylbenzene	1.862	404	597552	6:50
6	unknown		592	1559245	7:21
7	p-xylene	5.461	545	2115839	8:00
8	styrene	3.105	394	878610	8:08
9	unknown		1195	5394132	8:56
10	o-xylene	7.452	349	2114859	9:16
11	4-methyltoluene	10.500	2176	3714548	9:32
12	unknown		1699	5479773	10:03
13	unknown		379	1902646	11:09
14	unknown		214	895804	11:35
15	unknown		589	1255517	12:13
16	1,3-dichlorobenzene	0.668	671	1092496	12:40
17	unknown		255	619109	13:11
18	Carrier Gas Impurity	3.292	1612	1435539	13:31
19	unknown		654	1245076	14:03



INJ/DET Temp=180

Analysis time=16:00

Inject Time=0:10

Oven Temp=50

Sample Time=0:20

Syringe Inj=On

Alarms=Off

Paper Save=Off

Cont. Pump=Off

311 Plotter=Off

311 TWA=Off

311 STEL=Off

311 TWA Cycle=1

Calibration Cycle=0

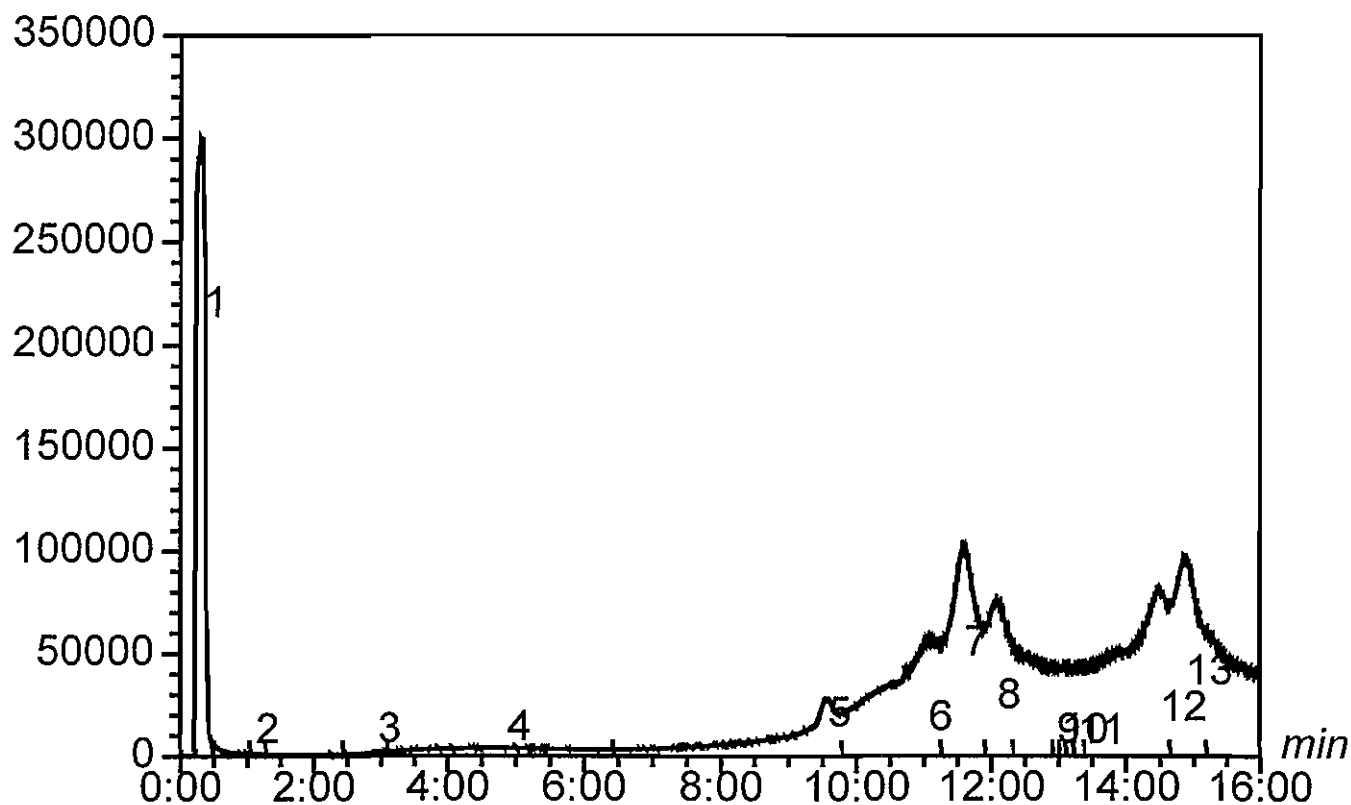
Repeat Cycle=1

Comment:

s-alfg2-DUPLICATE 8-12 feet mild petroleum odor. sample direct no diluti

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	4.469	258916	63939607	0:21
2	1,2-dichlorotetrafluoroethane	0.011	253	237414	1:09
3	unknown		2687	14195999	4:45
4	unknown		6153	4237520	9:36
5	Carrier Gas Impurity	8.518	6614	23459890	11:05
5	Carrier Gas Impurity	8.518	6614	23459890	11:05
6	unknown		46487	53948127	11:35
7	Carrier Gas Impurity	11.383	18474	31352078	12:04
8	unknown		3333	26661606	13:51
9	unknown		15054	36628069	14:27
10	Carrier Gas impurity	16.549	29656	45578697	14:50

'C:\WPEAK\TO142.JOB' Run #187 9/23/99 8:33PM

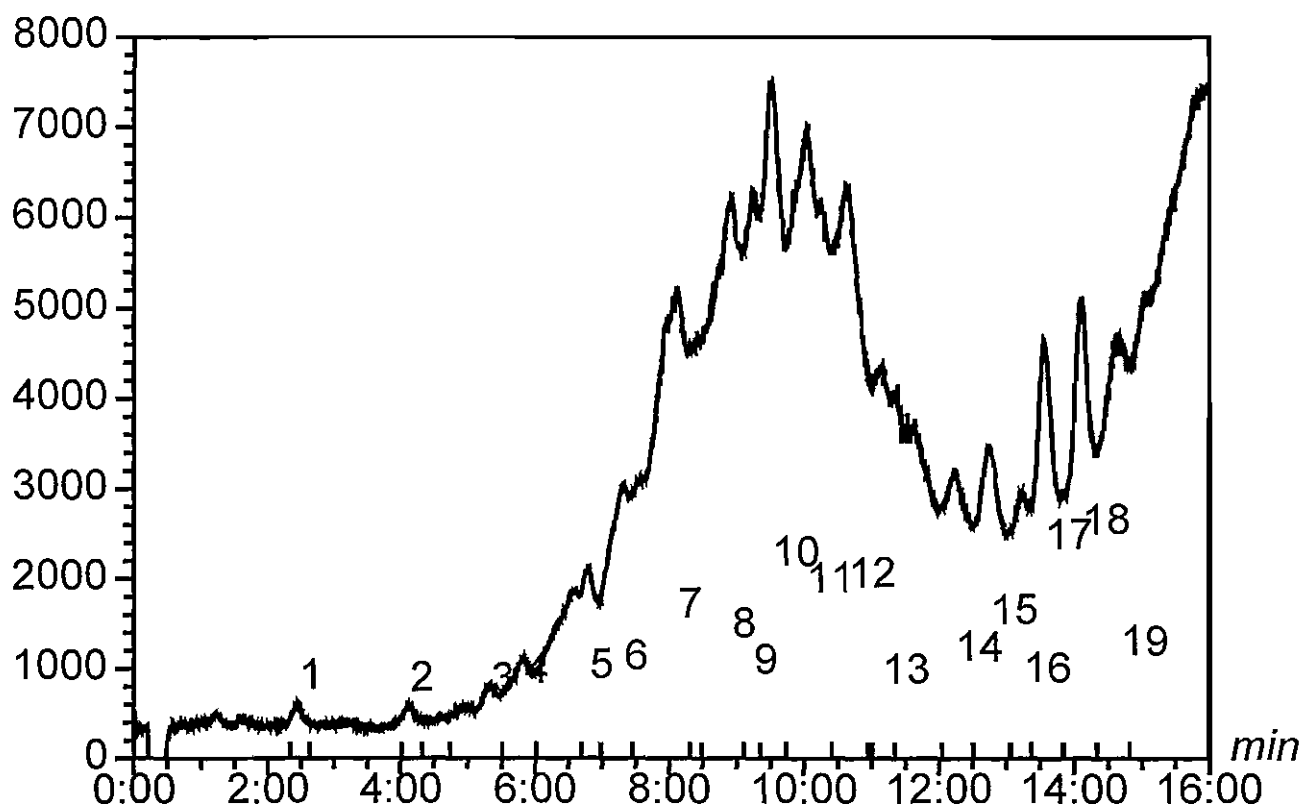


INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
s-alfg2 8-12 feet mild petroleum odor. sample direct no dilution

'C:\WPEAK\TO142.JOB' Run #187 9/23/99 8:33PM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	3.757	207633	53749054	0:20
2	1,2-dichlorotetrafluoroethane	0.011	310	224172	1:09
3	1,1,2-trichloro-1,2,2-trifluoroethane	0.068	206	832298	2:57
4	unknown		1265	11157924	4:53
5	unknown		8373	27797877	9:35
6	Carrier Gas Impurity	21.725	6367	59835097	11:05
6	Carrier Gas Impurity	21.725	6367	59835097	11:05
7	unknown		42688	56187876	11:36
8	Carrier Gas Impurity	11.908	16882	32798284	12:06
9	unknown		161	4770401	12:59
10	unknown		111	5411101	13:03
11	unknown		-157	7747211	13:18
12	unknown		11063	79322592	14:30
13	Carrier Gas impurity	18.068	28778	49761540	14:53

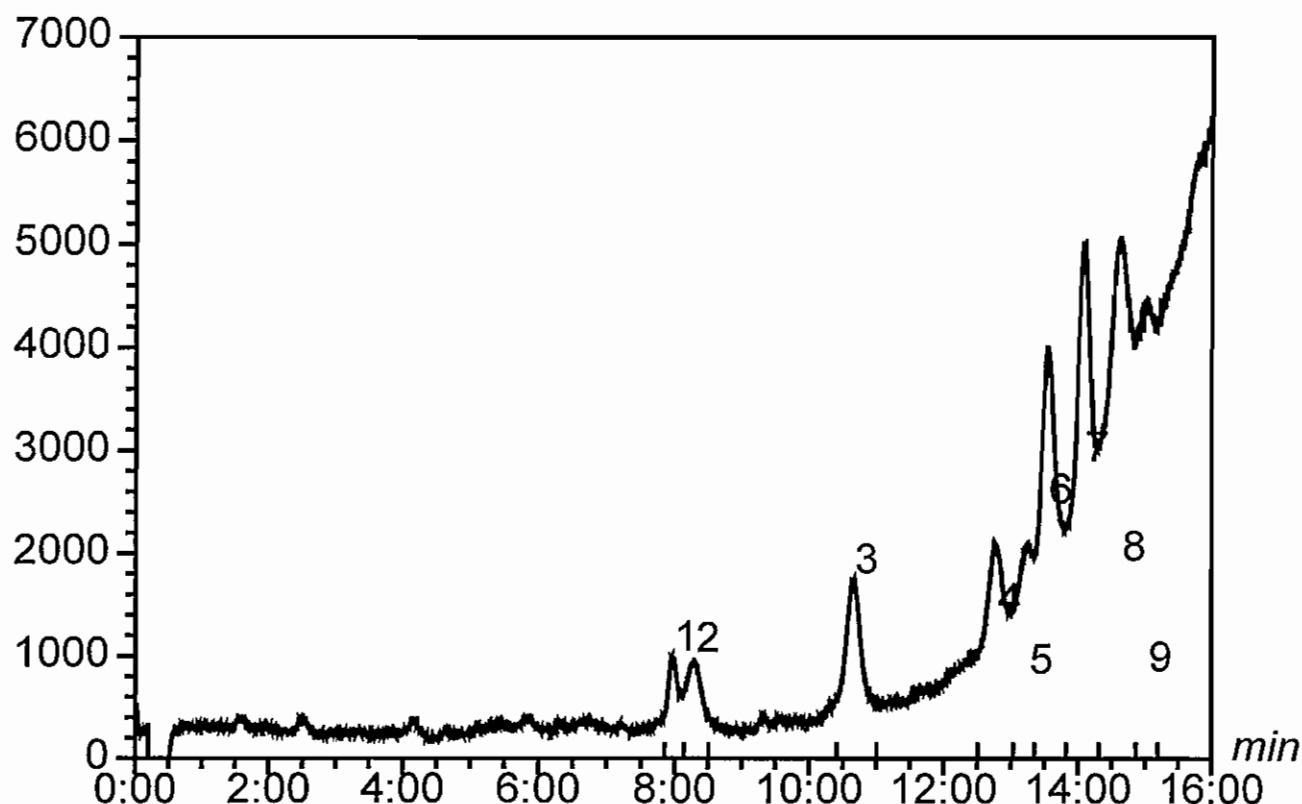
'C:\WPEAK\TO142.JOB' Run #187 9/23/99 8:33PM



INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
s-alfg2 8-12 feet mild petroleum odor. sample direct no dilution

'C:\WPEAK\TO142.JOB' Run #187 9/23/99 8:33PM

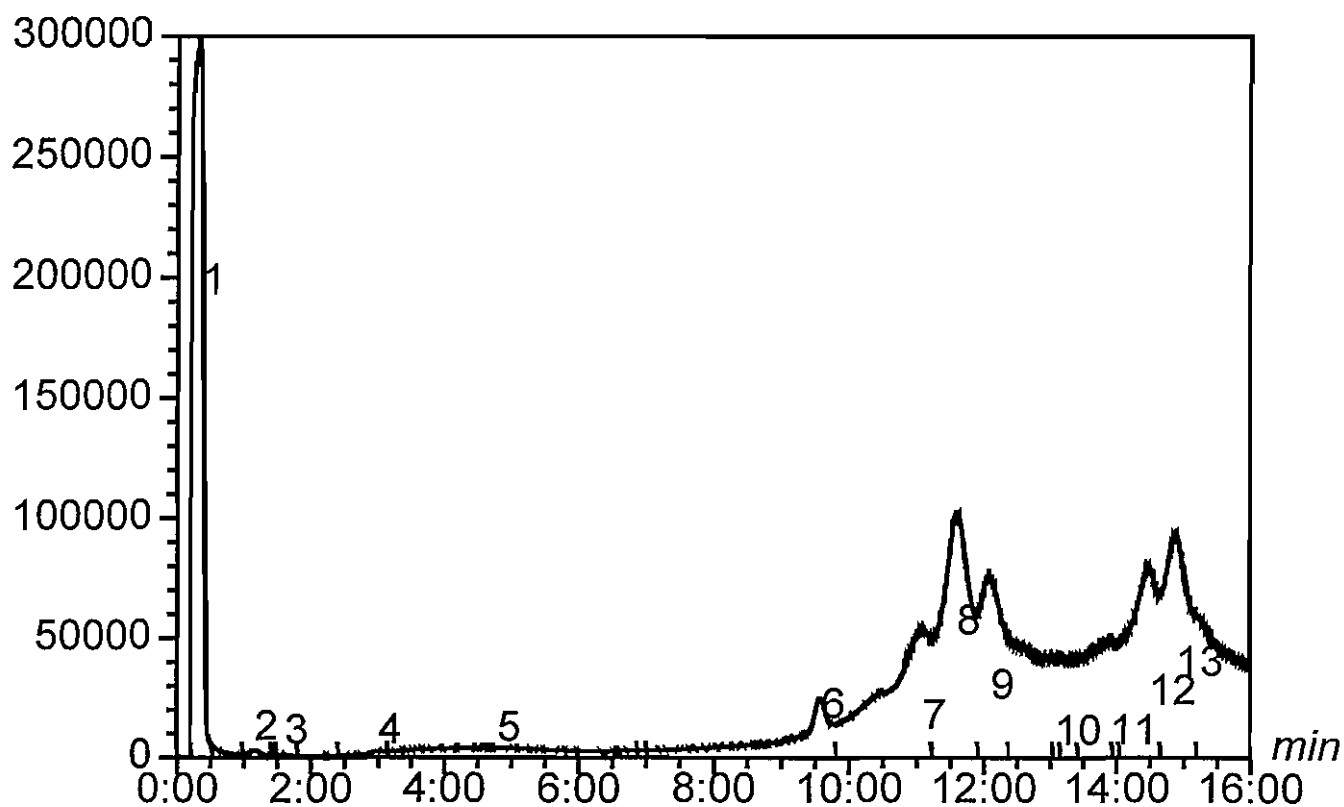
	Name	Conc	Height	Area	Time
1	3-chloropropene	0.107	166	33703	2:28
1	cis-1,2-dichloroethene	0.107	166	33703	2:28
2	trans-1,3-dichloropropene	0.044	137	38770	4:09
3	unknown		125	184051	5:21
4	1,2-dibromoethane	0.708	224	308750	5:51
5	ethylbenzene	1.543	287	495129	6:48
6	unknown		373	1145024	7:20
7	styrene	12.646	954	3578484	8:08
8	unknown		746	3490465	8:56
9	o-xylene	5.555	335	1576505	9:15
10	4-methyltoluene	7.695	1532	2722050	9:31
11	unknown		1241	4438620	10:03
12	1,2,4-trimethylbenzene	4.169	1298	3195975	10:39
13	unknown		227	1430940	11:09
14	unknown		480	1338985	12:15
15	1,3-dichlorobenzene	0.938	891	1534039	12:45
16	unknown		244	805695	13:15
17	Carrier Gas Impurity	3.844	1726	1676096	13:34
18	unknown		1892	1940587	14:06
19	Carrier Gas Impurity	4.796	541	2091379	14:41



INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
 Oven Temp=50 Sample Time=0:20
 Syringe Inj=On Alarms=Off Paper Save=Off
 Cont. Pump=Off
 311 Plotter=Off 311 TWA=Off 311 STEL=Off
 311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
 Comment:
 s-alfg2 4-8 feet

Name	Conc	Height	Area	Time
1 p-xylene	0.274	415	106006	8:00
2 styrene	0.515	399	145710	8:19
3 1,2,4-trimethylbenzene	0.562	1167	431085	10:40
4 1,3-dichlorobenzene	0.428	784	700080	12:48
5 unknown		190	509415	13:16
6 Carrier Gas Impurity	3.044	1848	1327163	13:33
7 unknown		2261	1724518	14:06
8 Carrier Gas Impurity	5.380	1296	2345841	14:39
9 unknown		215	1418264	15:03

'C:\WPEAK\TO142.JOB' Run #186 9/23/99 8:08PM



INJ/DET Temp=180

Analysis time=16:00

Inject Time=0:10

Oven Temp=50

Sample Time=0:20

Syringe Inj=On

Alarms=Off

Paper Save=Off

Cont. Pump=Off

311 Plotter=Off

311 TWA=Off

311 STEL=Off

311 TWA Cycle=1

Calibration Cycle=0

Repeat Cycle=1

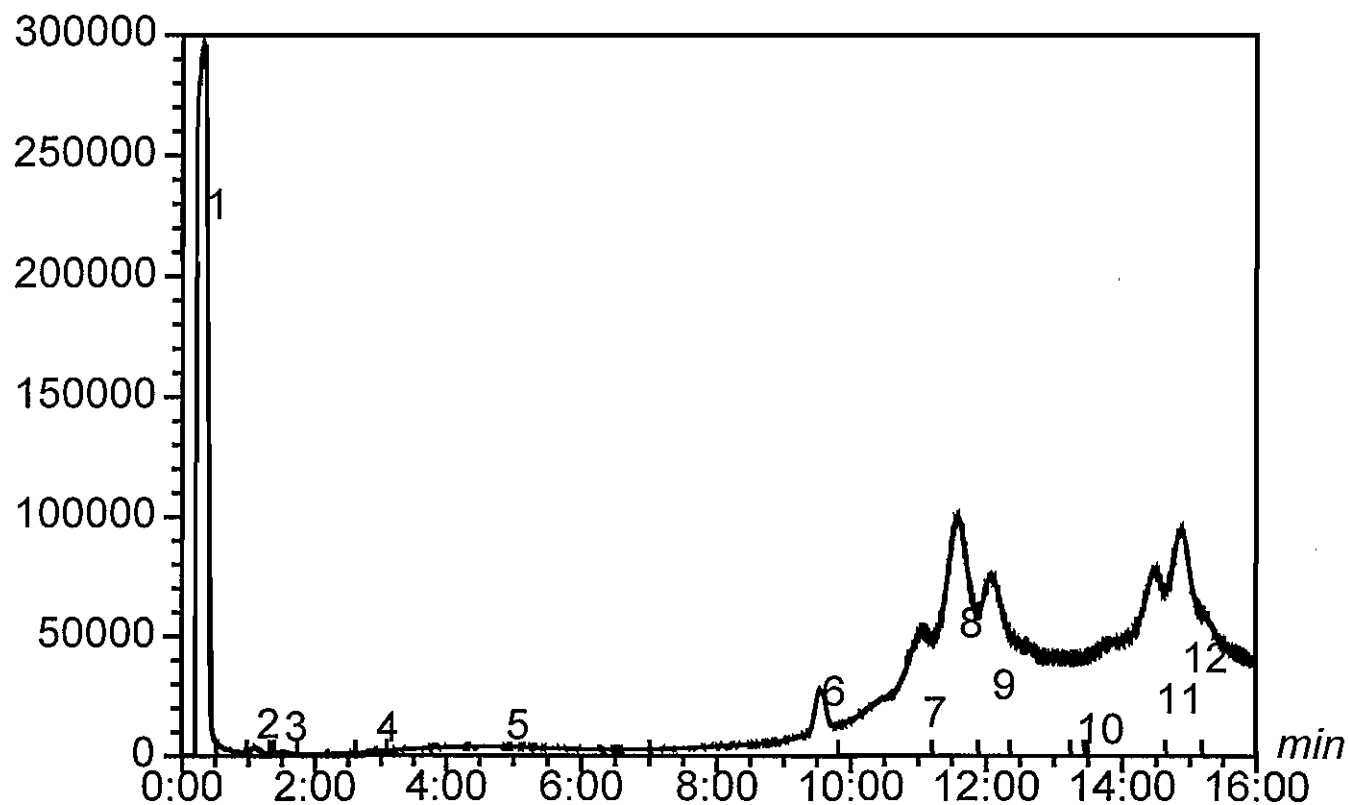
Comment:

s-alfg2 4-8 feet

'C:\WPEAK\TO142.JOB' Run #186 9/23/99 8:08PM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	4.458	187668	63775108	0:21
2	1,2-dichlorotetrafluoroethane	0.035	2059	734334	1:10
3	chloroethane	0.116	446	227687	1:37
4	1,1,2-trichloro-1,2,2-trifluoroethane	0.084	415	1025197	3:00
5	unknown		1475	12464458	4:48
6	unknown		11288	19701770	9:36
7	Carrier Gas Impurity	17.095	6559	47083089	11:06
7	Carrier Gas Impurity	17.095	6559	47083089	11:06
8	unknown		46074	57950203	11:36
9	Carrier Gas Impurity	12.677	19321	34914219	12:06
10	unknown		306	5837436	13:04
11	unknown		133	26196438	13:54
12	unknown		16953	43863683	14:29
13	Carrier Gas impurity	17.242	28913	47486679	14:53

'C:\WPEAK\TO142.JOB' Run #185 9/23/99 7:31PM



INJ/DET Temp=180

Analysis time=16:00

Inject Time=0:10

Oven Temp=50

Sample Time=0:20

Syringe Inj=On

Alarms=Off

Paper Save=Off

Cont. Pump=Off

311 Plotter=Off

311 TWA=Off

311 STEL=Off

311 TWA Cycle=1

Calibration Cycle=0

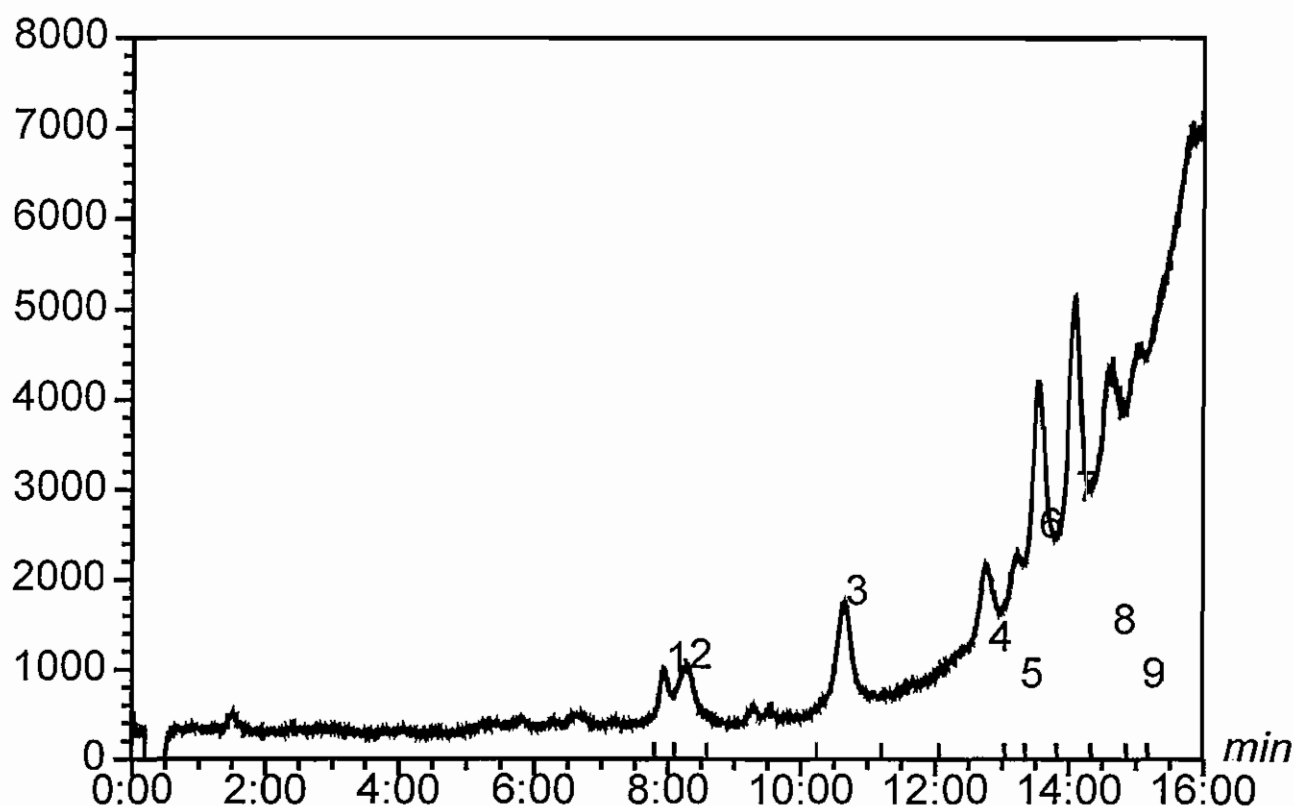
Repeat Cycle=1

Comment:

s-alfg2000-4 feet

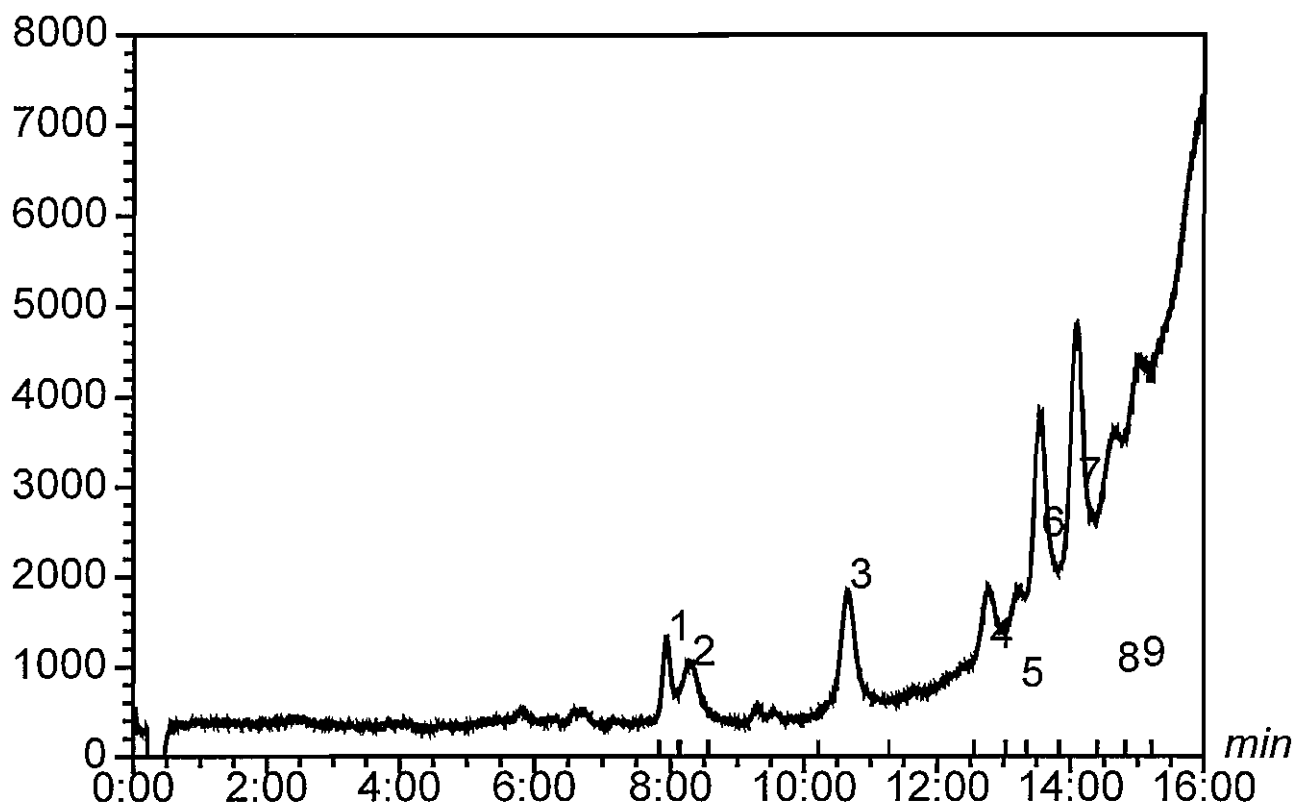
'C:\WPEAK\TO142.JOB' Run #185 9/23/99 7:31PM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	4.391	218261	62817728	0:21
2	1,2-dichlorotetrafluoroethane	0.034	2045	706630	1:08
3	chloroethane	0.179	773	351386	1:33
4	1,1,2-trichloro-1,2,2-trifluoroethane	0.054	264	659563	2:56
5	unknown		1388	11769173	4:54
6	unknown		15580	19480724	9:35
7	Carrier Gas Impurity	15.712	6686	43273188	11:05
7	Carrier Gas Impurity	15.712	6686	43273188	11:05
8	unknown		43974	56398890	11:36
9	Carrier Gas Impurity	12.646	18289	34828911	12:06
10	unknown		-309	9699551	13:20
11	unknown		12407	70124820	14:30
12	Carrier Gas impurity	17.464	29558	48100321	14:53



INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
 Oven Temp=50 Sample Time=0:20
 Syringe Inj=On Alarms=Off Paper Save=Off
 Cont. Pump=Off
 311 Plotter=Off 311 TWA=Off 311 STEL=Off
 311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
 Comment:
 s-alfg2000-4 feet

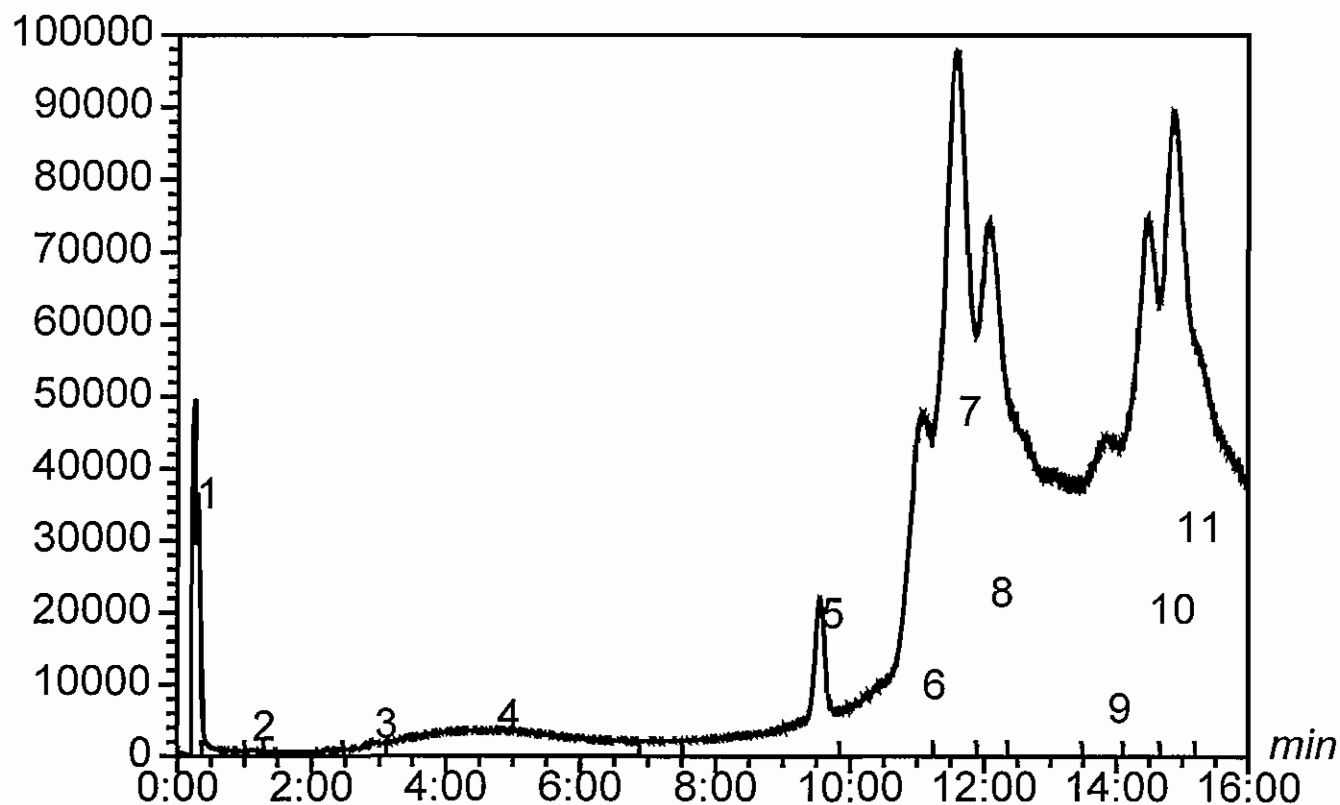
	Name	Conc	Height	Area	Time
1	p-xylene	0.296	342	114837	7:58
2	styrene	0.710	381	200904	8:19
3	1,2,4-trimethylbenzene	0.767	1092	587702	10:40
4	1,3-dichlorobenzene	0.701	580	1146814	12:48
5	unknown		168	554709	13:16
6	Carrier Gas Impurity	3.299	1839	1438487	13:33
7	unknown		2253	1852885	14:06
8	Carrier Gas Impurity	4.574	773	1994469	14:39
9	unknown		170	1381705	15:05



INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
 Oven Temp=50 Sample Time=0:20
 Syringe Inj=On Alarms=Off Paper Save=Off
 Cont. Pump=Off
 311 Plotter=Off 311 TWA=Off 311 STEL=Off
 311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
 Comment:
 s-alfg1 4-12 feet 1.0 ml sample in 1000 ml N2

Name	Conc	Height	Area	Time
1 p-xylene	0.374	683	144946	7:57
2 styrene	0.618	405	175006	8:19
3 1,2,4-trimethylbenzene	0.690	1262	528651	10:41
4 1,3-dichlorobenzene	0.352	597	576043	12:48
5 unknown		165	430797	13:15
6 Carrier Gas Impurity	2.840	1838	1238236	13:34
7 unknown		2385	1754527	14:06
8 Carrier Gas Impurity	3.013	327	1313721	14:41
9 unknown		391	1652246	15:03

'C:\WPEAK\TO142.JOB' Run #184 9/23/99 6:55PM



INJ/DET Temp=180

Analysis time=16:00

Inject Time=0:10

Oven Temp=50

Sample Time=0:20

Syringe Inj=On

Alarms=Off

Paper Save=Off

Cont. Pump=Off

311 Plotter=Off

311 TWA=Off

311 STEL=Off

311 TWA Cycle=1

Calibration Cycle=0

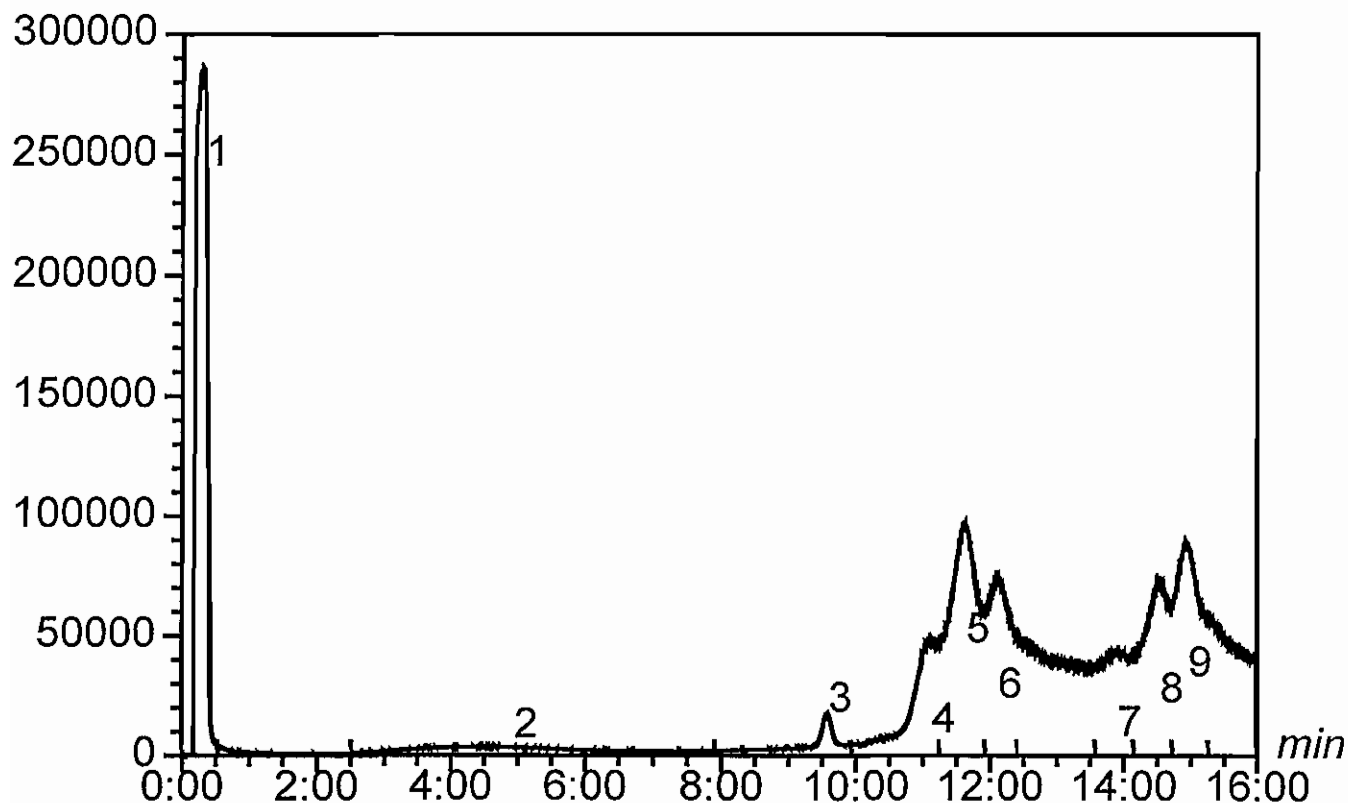
Repeat Cycle=1

Comment:

s-alfg1 4-12 feet 1.0 ml sample in 1000 ml N2

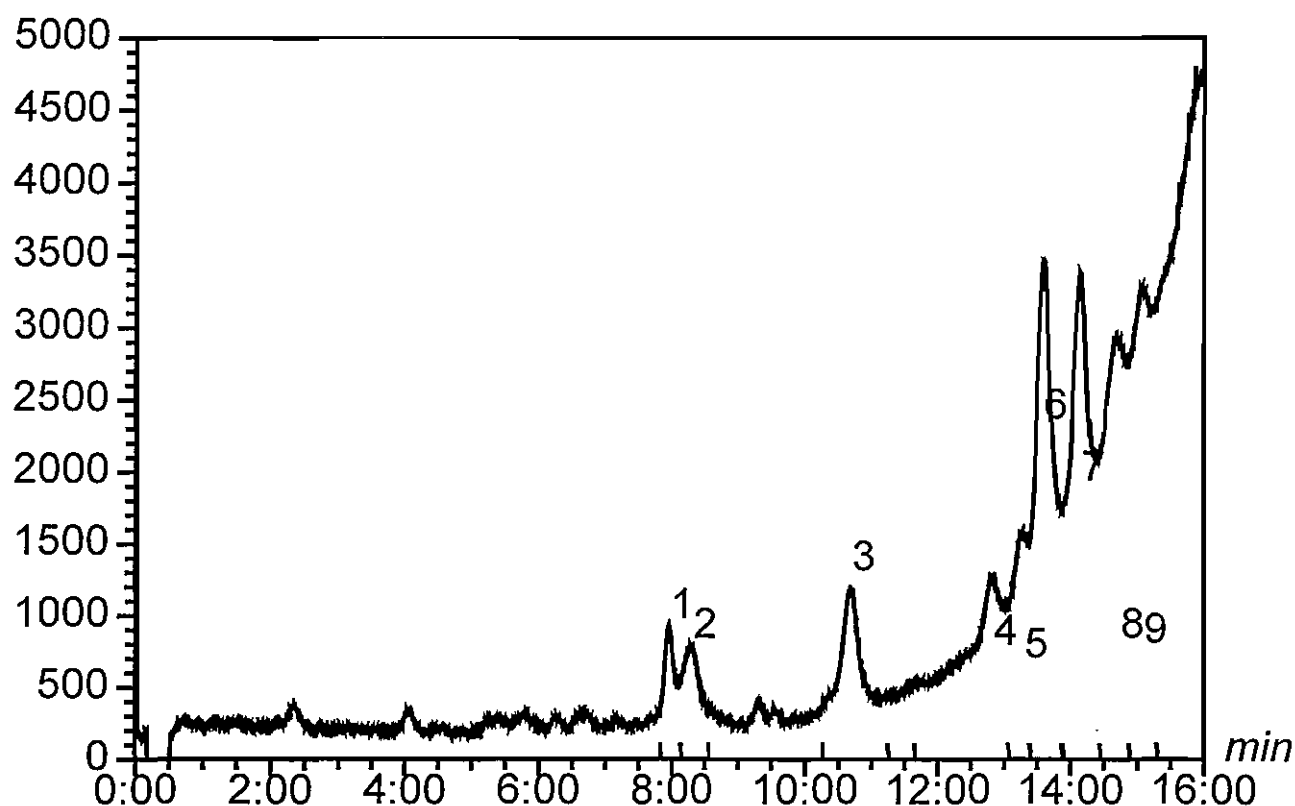
'C:\WPEAK\TO142.JOB' Run #184 9/23/99 6:55PM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	0.423	32499	6053301	0:16
2	1,2-dichlorotetrafluoroethane	0.005	161	101602	1:08
3	1,1,2-trichloro-1,2,2-trifluoroethane	0.052	362	634230	2:56
4	unknown		1665	10412351	4:46
5	unknown		15873	11458031	9:34
6	Carrier Gas Impurity	9.929	5940	27346973	11:06
6	Carrier Gas Impurity	9.929	5940	27346973	11:06
7	unknown		43929	54006632	11:36
8	Carrier Gas Impurity	12.431	18823	34237834	12:06
9	unknown		2678	28564408	13:53
10	unknown		16489	37833816	14:30
11	Carrier Gas impurity	16.459	27912	45330790	14:54



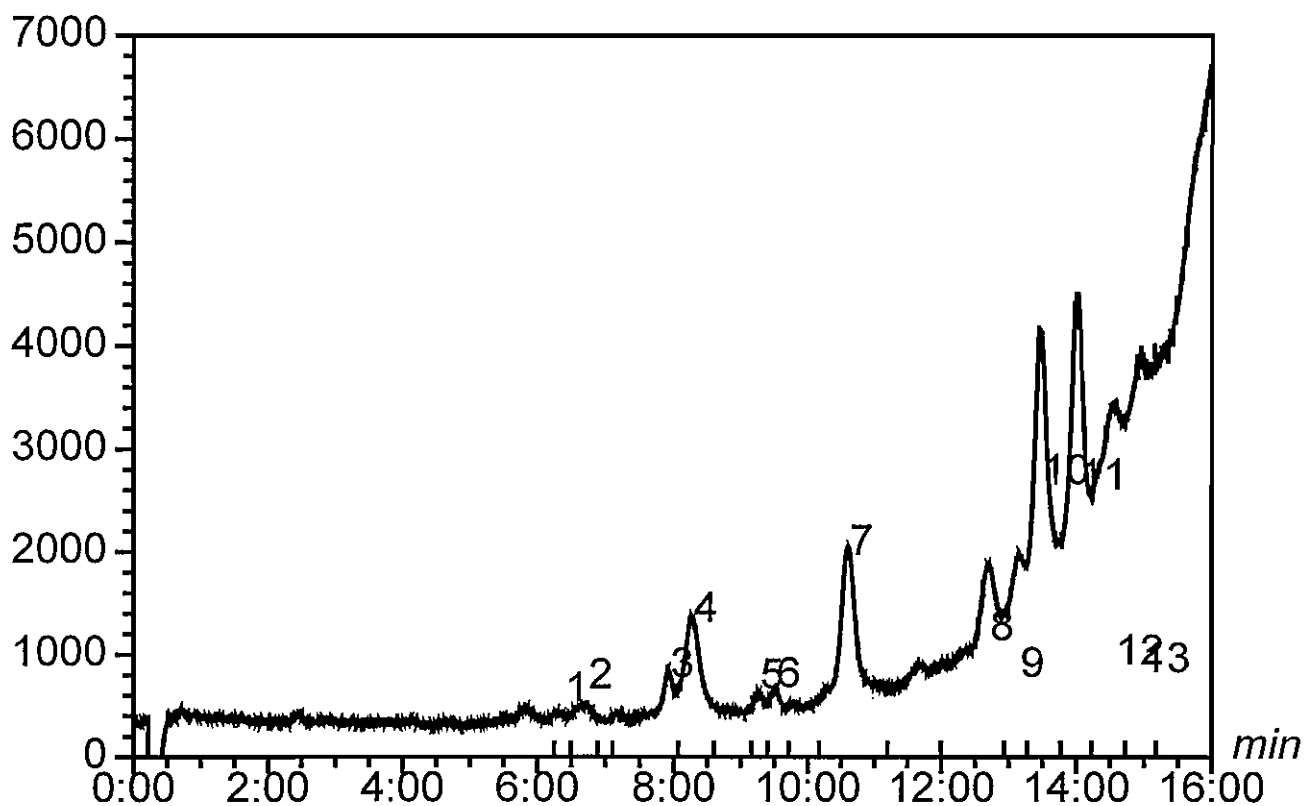
INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
 Oven Temp=50 Sample Time=0:20
 Syringe Inj=On Alarms=Off Paper Save=Off
 Cont. Pump=Off
 311 Plotter=Off 311 TWA=Off 311 STEL=Off
 311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
 Comment:
 s-alfgl 4-8 feet

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	4.462	239996	63829716	0:20
2	unknown		1821	12510756	4:57
3	unknown		12996	8659040	9:36
4	Carrier Gas Impurity	8.770	4268	24154003	11:09
4	Carrier Gas Impurity	8.770	4268	24154003	11:09
5	unknown		41835	54909670	11:39
6	Carrier Gas Impurity	13.048	18782	35936745	12:08
7	unknown		2919	26057632	13:55
8	unknown		16940	37663126	14:33
9	Carrier Gas impurity	16.369	27858	45082195	14:57



INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
s-alfgl 4-8 feet

	Name	Conc	Height	Area	Time
1	p-xylene	0.362	433	140360	7:59
2	styrene	0.613	296	173509	8:20
3	1,2,4-trimethylbenzene	0.563	768	431957	10:42
4	unknown		251	832906	12:51
5	unknown		162	420388	13:18
6	Carrier Gas Impurity	2.813	1822	1226557	13:36
7	unknown		1393	1376664	14:09
8	unknown		304	1193777	14:45
9	unknown		264	1321807	15:06



INJ/DET Temp=180
Oven Temp=50
Syringe Inj=On
Cont. Pump=Off
311 Plotter=Off
311 TWA Cycle=1
Comment:
s-alfg100-4 feet

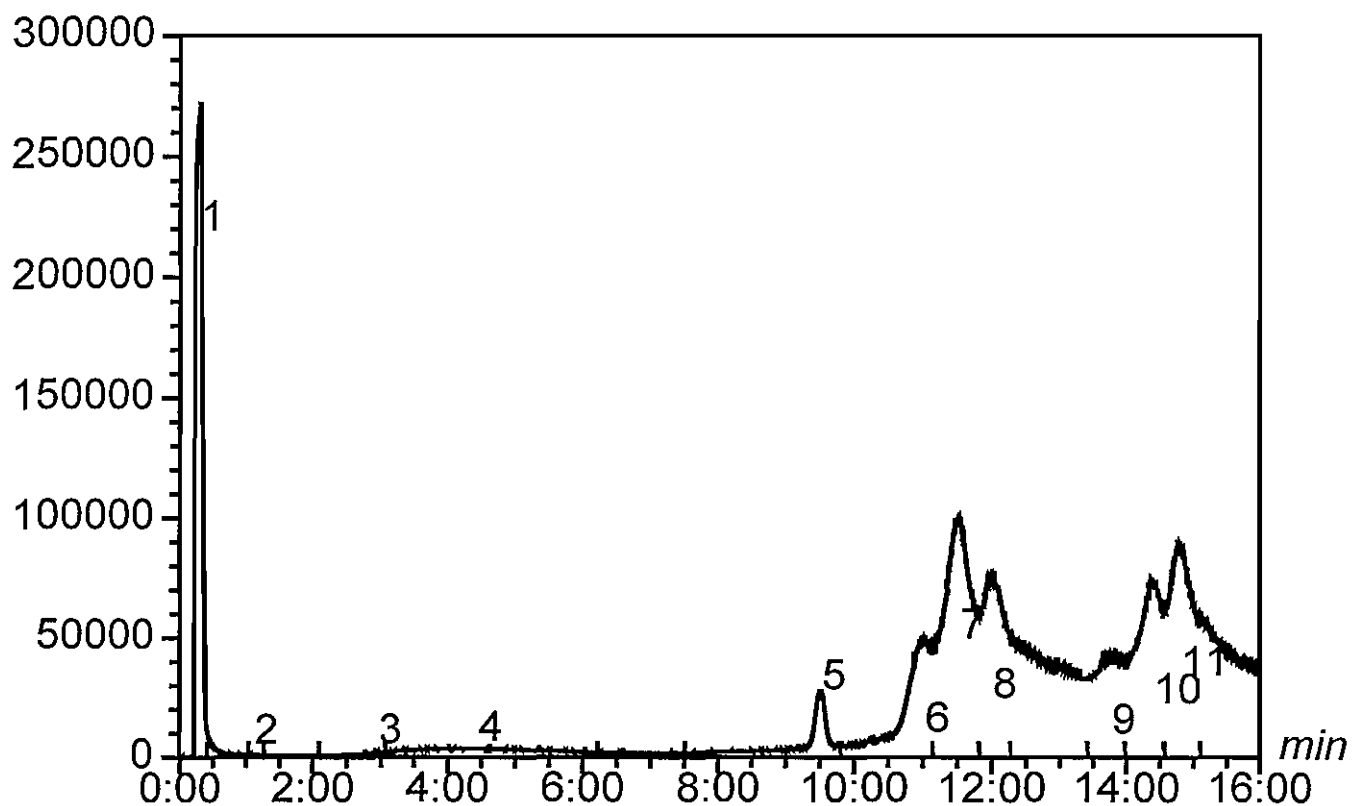
Analysis time=16:00
Sample Time=0:20
Alarms=Off
Paper Save=Off
311 TWA=Off
Calibration Cycle=0
311 STEL=Off
Repeat Cycle=1

Inject Time=0:10

'C:\WPEAK\TO142.JOB' Run #182 9/23/99 5:54PM

	Name	Conc	Height	Area	Time
1	tetrachloroethene	0.031	-20	9350	6:24
2	chlorobenzene	0.121	109	38956	6:45
2	ethylbenzene	0.121	109	38956	6:45
3	p-xylene	0.283	216	109642	7:57
4	styrene	1.166	759	330009	8:18
5	o-xylene	0.178	110	50554	9:17
6	4-methyltoluene	0.197	122	69612	9:32
7	1,2,4-trimethylbenzene	0.946	1411	725208	10:37
8	1,3-dichlorobenzene	0.559	578	914535	12:43
9	unknown		221	516190	13:10
10	Carrier Gas Impurity	3.157	2096	1376412	13:29
11	unknown		2052	1447491	14:02
12	Carrier Gas Impurity	3.503	341	1527450	14:35
13	unknown		268	1668246	14:58

'C:\WPEAK\TO142.JOB' Run #182 9/23/99 5:54PM



INJ/DET Temp=180

Oven Temp=50

Syringe Inj=On

Cont. Pump=Off

311 Plotter=Off

311 TWA Cycle=1

Comment:

s-alfgl00-4 feet

Analysis time=16:00

Sample Time=0:20

Alarms=Off

311 TWA=Off

Calibration Cycle=0

Inject Time=0:10

Paper Save=Off

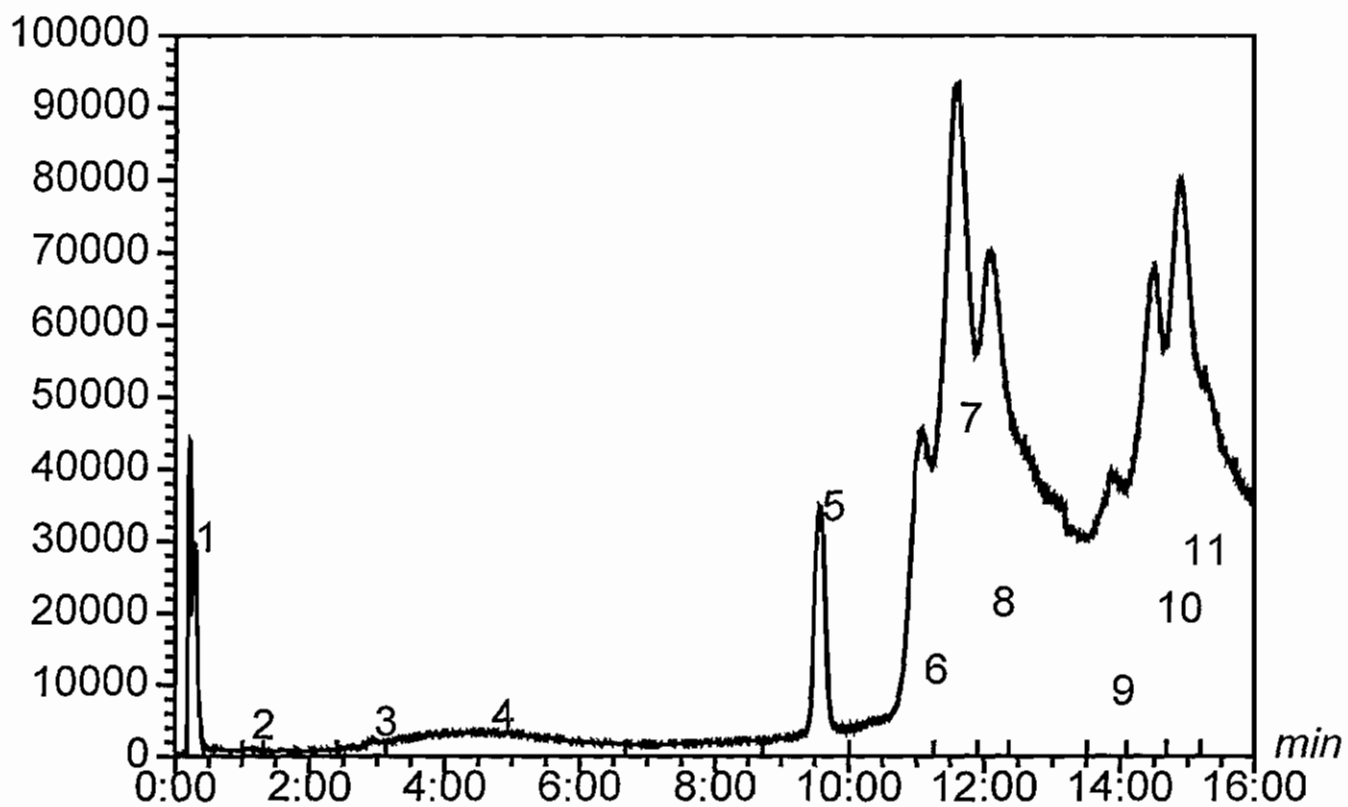
311 STEL=Off

Repeat Cycle=1

'C:\WPEAK\TO142.JOB' Run #182 9/23/99 5:54PM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	2.635	214139	37698024	0:18
2	1,2-dichlorotetrafluoroethane	0.008	185	161459	1:09
3	1,1,2-trichloro-1,2,2-trifluoroethane	0.078	190	960281	2:58
4	unknown		1574	9483004	4:28
5	unknown		23081	11251161	9:32
6	Carrier Gas Impurity	8.843	5236	24354044	11:03
6	Carrier Gas Impurity	8.843	5236	24354044	11:03
7	unknown		44404	55797302	11:33
8	Carrier Gas Impurity	12.658	19632	34862423	12:01
9	unknown		4590	24309633	13:47
10	unknown		17340	37910997	14:24
11	Carrier Gas impurity	16.426	28713	45238993	14:48

'C:\WPEAK\TO142.JOB' Run #181 9/23/99 5:26PM



INJ/DET Temp=180

Analysis time=16:00

Inject Time=0:10

Oven Temp=50

Sample Time=0:20

Syringe Inj=On

Alarms=Off

Paper Save=Off

Cont. Pump=Off

311 Plotter=Off

311 TWA=Off

311 STEL=Off

311 TWA Cycle=1

Calibration Cycle=0

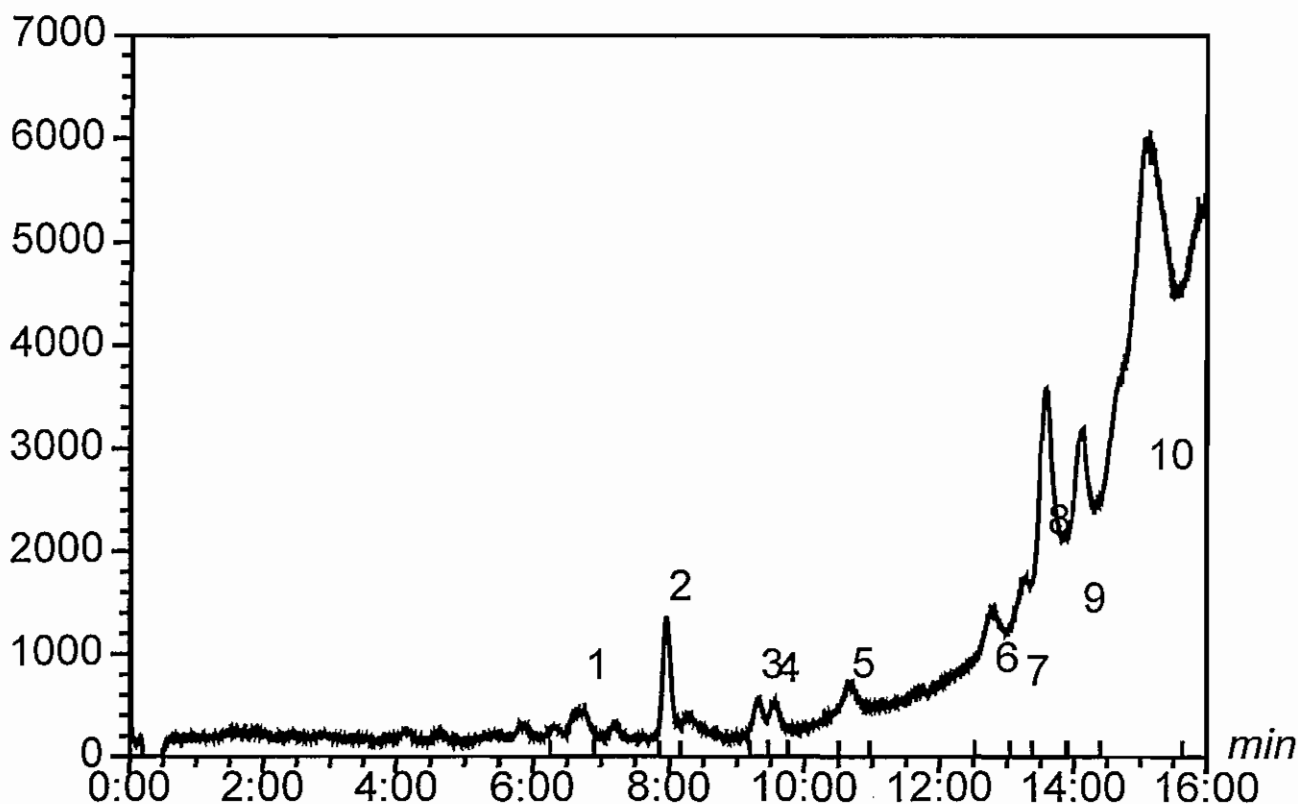
Repeat Cycle=1

Comment:

s-alfgw1 8-12 feet 1.0 ml sample in 1000 ml N2 due to strong diesel odor

'C:\WPEAK\TO142.JOB' Run #181 9/23/99 5:26PM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	0.410	26369	5871325	0:17
2	1,2-dichlorotetrafluoroethane	0.008	174	157557	1:09
3	1,1,2-trichloro-1,2,2-trifluoroethane	0.068	593	837657	2:57
4	unknown		1503	9032847	4:42
5	unknown		30641	10658221	9:36
6	Carrier Gas Impurity	7.632	7857	21018644	11:07
6	Carrier Gas Impurity	7.632	7857	21018644	11:07
7	unknown		42869	50848196	11:38
8	Carrier Gas Impurity	11.928	17257	32851788	12:06
9	unknown		4966	23104236	13:52
10	unknown		16452	35344246	14:31
11	Carrier Gas impurity	14.315	24546	39425988	14:54



INJ/DET Temp=180

Analysis time=16:00

Inject Time=0:10

Oven Temp=50

Sample Time=0:20

Syringe Inj=On

Alarms=Off

Paper Save=Off

Cont. Pump=Off

311 Plotter=Off

311 TWA=Off

311 STEL=Off

311 TWA Cycle=1

Calibration Cycle=0

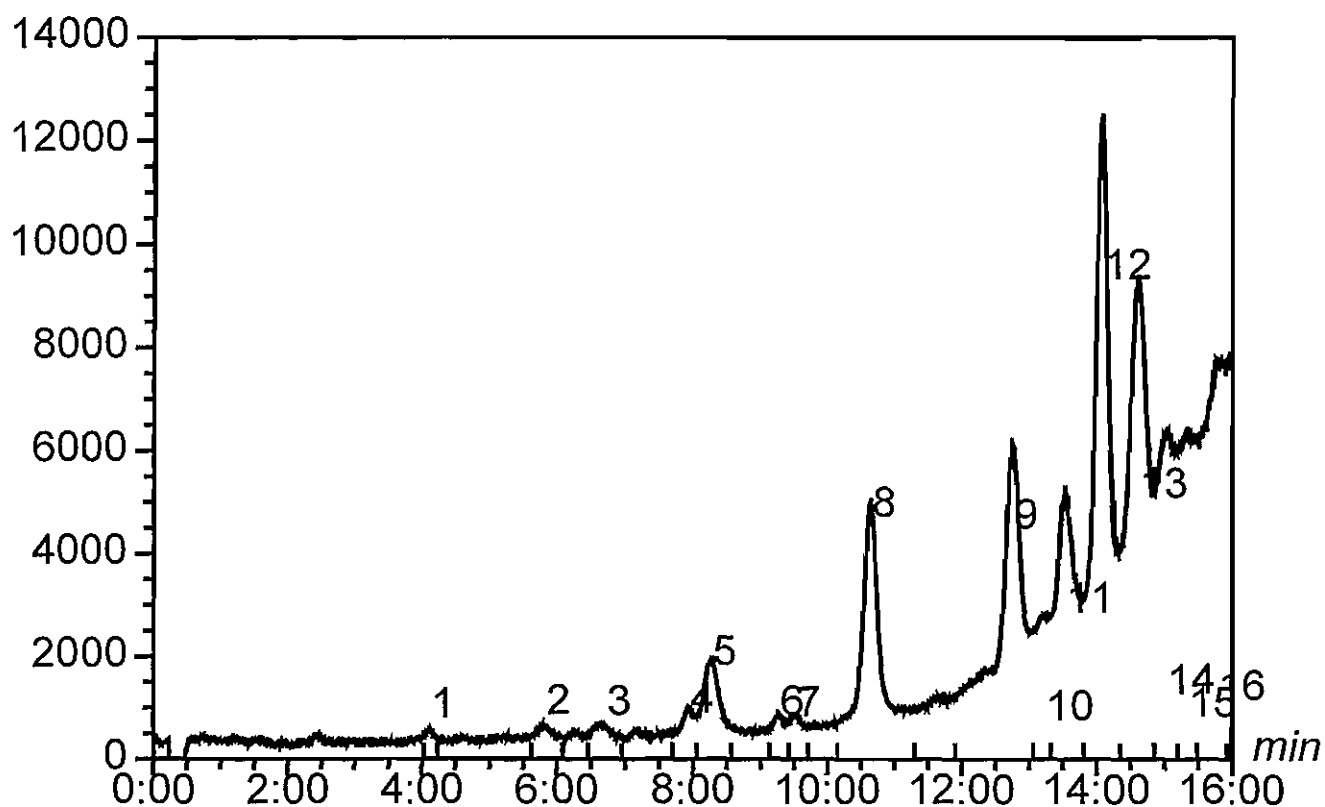
Repeat Cycle=1

Comment:

s-alfgw1 8-12 feet 1.0 ml sample in 1000 ml N2 due to strong diesel odor

	Name	Conc	Height	Area	Time
1	ethylbenzene	0.233	200	74930	6:46
2	p-xylene	0.478	977	185125	7:59
3	o-xylene	0.216	207	61324	9:21
3	4-methyltoluene	0.173	207	61324	9:21
4	4-methyltoluene	0.174	170	61459	9:35
5	1,2,4-trimethylbenzene	0.245	220	187761	10:42
6	1,3-dichlorobenzene	0.363	275	593193	12:50
7	unknown		148	485045	13:17
8	Carrier Gas Impurity	3.225	1616	1406097	13:36
9	unknown		854	1365205	14:07
10	unknown		2255	6016081	15:06

'C:\WPEAK\TO142.JOB' Run #180 9/23/99 4:56PM



INJ/DET Temp=180
Oven Temp=50
Syringe Inj=On
Cont. Pump=Off
311 Plotter=Off
311 TWA Cycle=1
Comment:
s-alfgw1□□4-8 feet

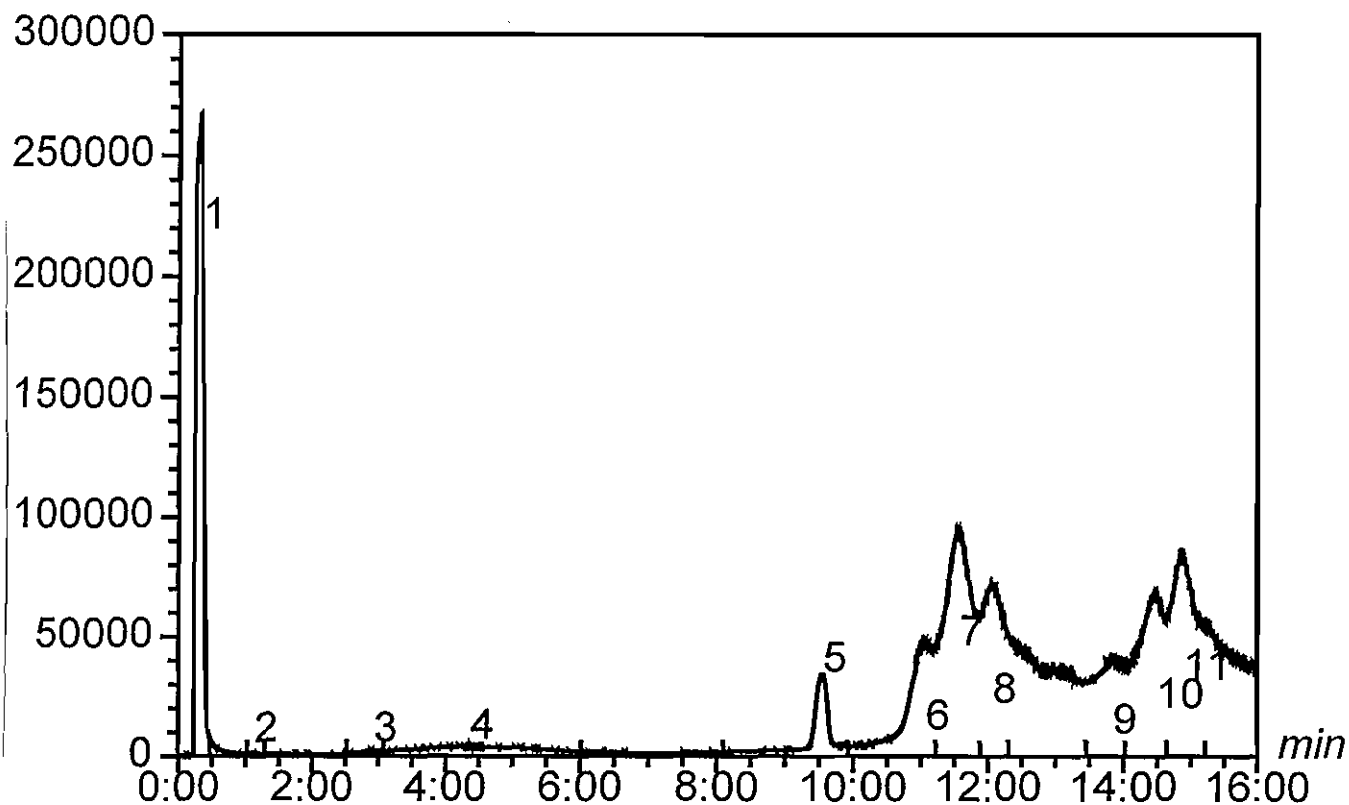
Analysis time=16:00
Sample Time=0:20
Alarms=Off
Paper Save=Off
311 TWA=Off
Calibration Cycle=0
311 STEL=Off
Repeat Cycle=1

Inject Time=0:10

'C:\WPEAK\TO142.JOB' Run #180 9/23/99 4:56PM

	Name	Conc	Height	Area	Time
1	trans-1,3-dichloropropene	0.021	135	18550	4:08
2	1,2-dibromoethane	0.135	203	58781	5:51
3	chlorobenzene	0.246	200	78915	6:44
3	ethylbenzene	0.246	200	78915	6:44
4	p-xylene	0.347	233	134469	7:57
5	styrene	1.753	1169	496082	8:17
6	o-xylene	0.374	197	106158	9:18
7	4-methyltoluene	0.325	169	114902	9:33
8	1,2,4-trimethylbenzene	2.280	4052	1748019	10:39
9	1,3-dichlorobenzene	1.739	3827	2845664	12:46
10	unknown		105	670857	13:15
11	Carrier Gas Impurity	4.404	2207	1920171	13:33
12	unknown		8671	3917422	14:05
13	Carrier Gas Impurity	8.203	4444	3576730	14:37
14	unknown		621	2191477	15:03
15	unknown		170	1873067	15:21
16	1,4-dichlorobenzene	0.763	492	3276310	15:48

'C:\WPEAK\TO142.JOB' Run #180 9/23/99 4:56PM



INJ/DET Temp=180

Analysis time=16:00

Inject Time=0:10

Oven Temp=50

Sample Time=0:20

Syringe Inj=On

Alarms=Off

Paper Save=Off

Cont. Pump=Off

311 Plotter=Off

311 TWA=Off

311 STEL=Off

311 TWA Cycle=1

Calibration Cycle=0

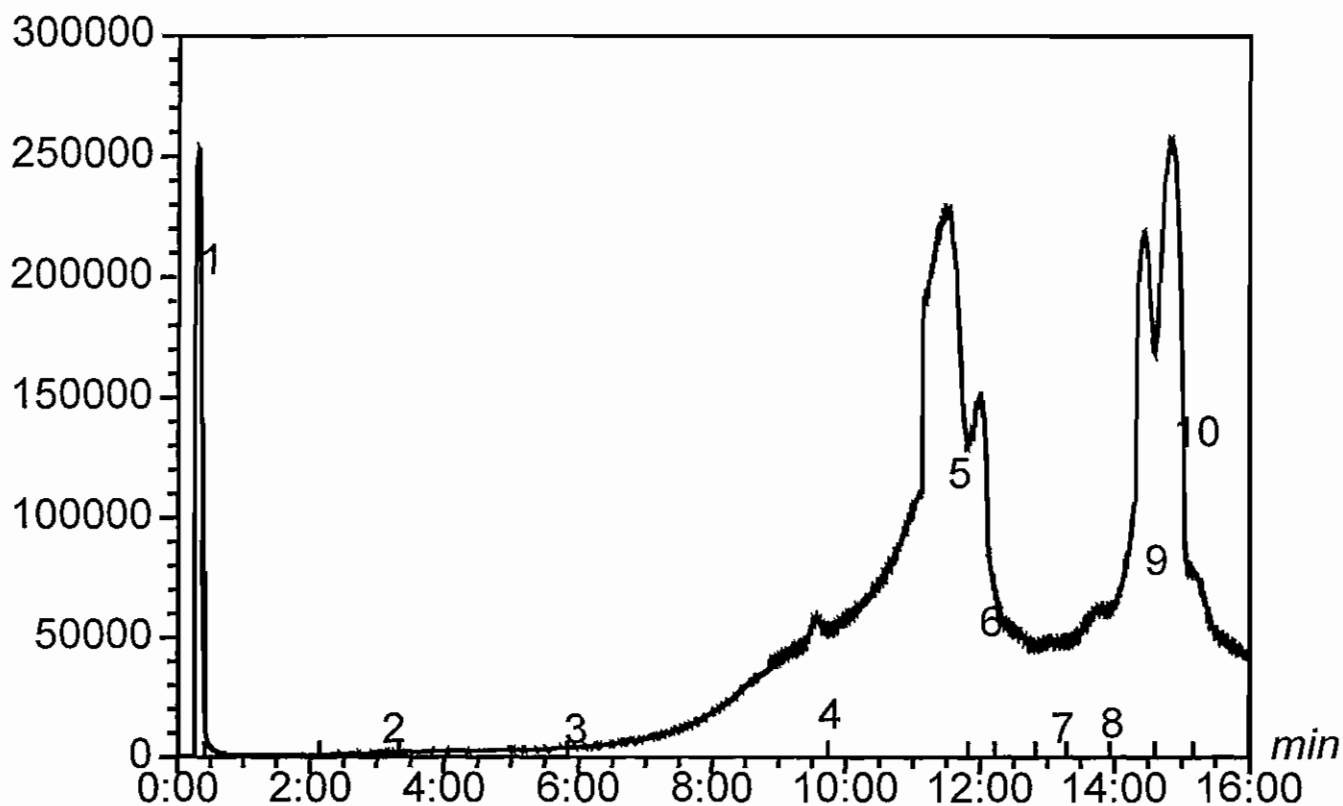
Repeat Cycle=1

Comment:

s-alfgw1 4-8 feet

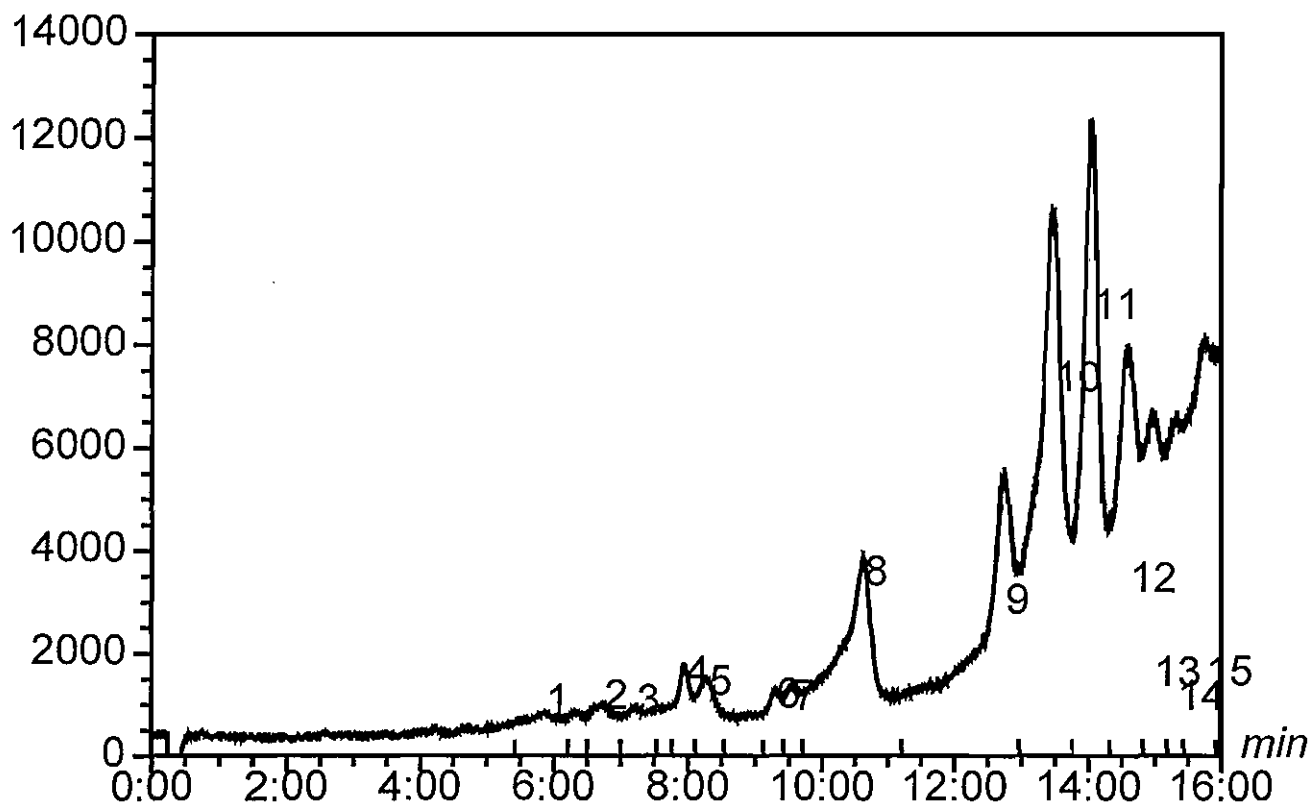
'C:\WPEAK\TO142.JOB' Run #180 9/23/99 4:56PM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	2.884	214492	41264162	0:20
2	1,2-dichlorotetrafluoroethane	0.013	548	264676	1:09
3	1,1,2-trichloro-1,2,2-trifluoroethane	0.063	612	776340	2:56
4	1,1,1-trichloroethane	9.738	1968	9449310	4:23
5	unknown		30221	11707765	9:33
6	Carrier Gas Impurity	8.666	5824	23868114	11:05
6	Carrier Gas Impurity	8.666	5824	23868114	11:05
7	unknown		41162	53157863	11:35
8	Carrier Gas Impurity	11.348	16793	31253382	12:04
9	unknown		4194	23090286	13:51
10	unknown		14814	36392033	14:29
11	Carrier Gas impurity	16.081	26907	44290662	14:53



INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
 Oven Temp=50 Sample Time=0:20
 Syringe Inj=On Alarms=Off Paper Save=Off
 Cont. Pump=Off
 311 Plotter=Off 311 TWA=Off 311 STEL=Off
 311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
 Comment:
 s-alfgw1 0-4 feet

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	2.156	195786	30837624	0:18
2	1,1,2-trichloro-1,2,2-trifluoroethane	0.118	439	1450707	3:04
3	carbon tetrachloride	2.394	-16	6593695	5:47
4	unknown		6414	88708824	9:35
5	unknown		107207	270345190	11:30
6	Carrier Gas Impurity	20.483	45203	56412908	12:00
7	unknown		775	24611184	13:03
8	unknown		2826	40507320	13:48
9	unknown		70983	94866696	14:27
10	Carrier Gas impurity	44.570	124626	122754880	14:51



INJ/DET Temp=180
Oven Temp=50
Syringe Inj=On
Cont. Pump=Off
311 Plotter=Off
311 TWA Cycle=1
Comment:
s-alfgw100-4 feet

Analysis time=16:00
Sample Time=0:20
Alarms=Off
Paper Save=Off
311 TWA=Off
311 STEL=Off
Calibration Cycle=0
Repeat Cycle=1

Inject Time=0:10

'C:\WPEAK\TO142.JOB' Run #179 9/23/99 4:28PM

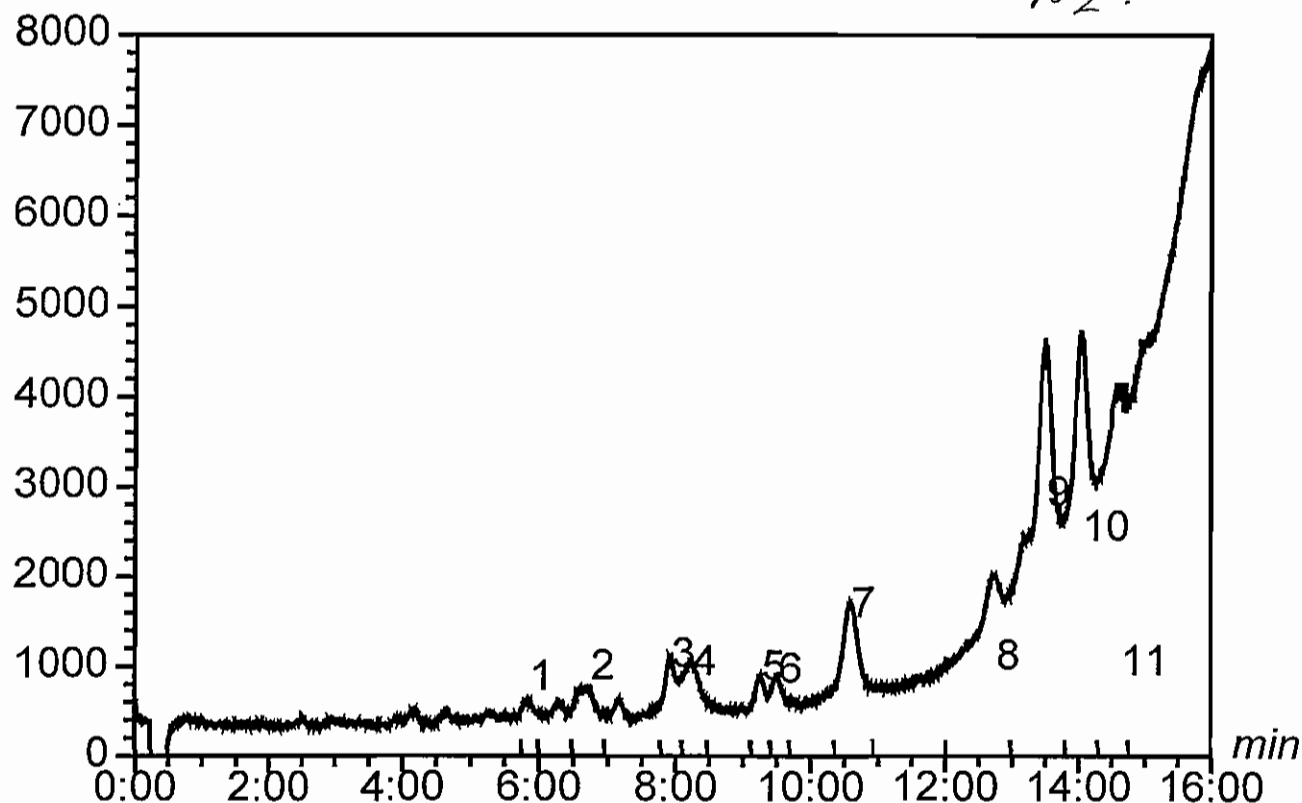
	Name	Conc	Height	Area	Time
1	1,2-dibromoethane	0.614	115	267562	5:53
2	ethylbenzene	0.799	208	256515	6:46
3	m-xylene	0.805	109	260603	7:15
4	p-xylene	0.905	664	350620	7:58
5	styrene	1.360	483	384985	8:18
6	o-xylene	0.774	236	219582	9:19
6	4-methyltoluene	0.621	236	219582	9:19
7	4-methyltoluene	0.772	198	272964	9:34
8	1,2,4-trimethylbenzene	3.323	2633	2547375	10:39
9	1,3-dichlorobenzene	2.162	2062	3537091	12:46
10	Carrier Gas Impurity	12.418	6392	5414697	13:29
11	unknown		7808	4468517	14:03
12	Carrier Gas Impurity	7.675	2488	3346675	14:37
13	unknown		655	2354242	14:59
14	unknown		202	1663250	15:21
15	1,4-dichlorobenzene	0.885	691	3800007	15:46

'C:\WPEAK\TO142.JOB' Run #178 9/23/99 4:10PM

GW-1

0-4

did not pump syringe
N₂.



INJ/DET Temp=180

Oven Temp=50

Syringe Inj=On

Cont. Pump=Off

311 Plotter=Off

311 TWA Cycle=1

Comment:

s-alfgw10-4 feet

Analysis time=16:00

Sample Time=0:20

Alarms=Off

311 TWA=Off

Calibration Cycle=0

Inject Time=0:10

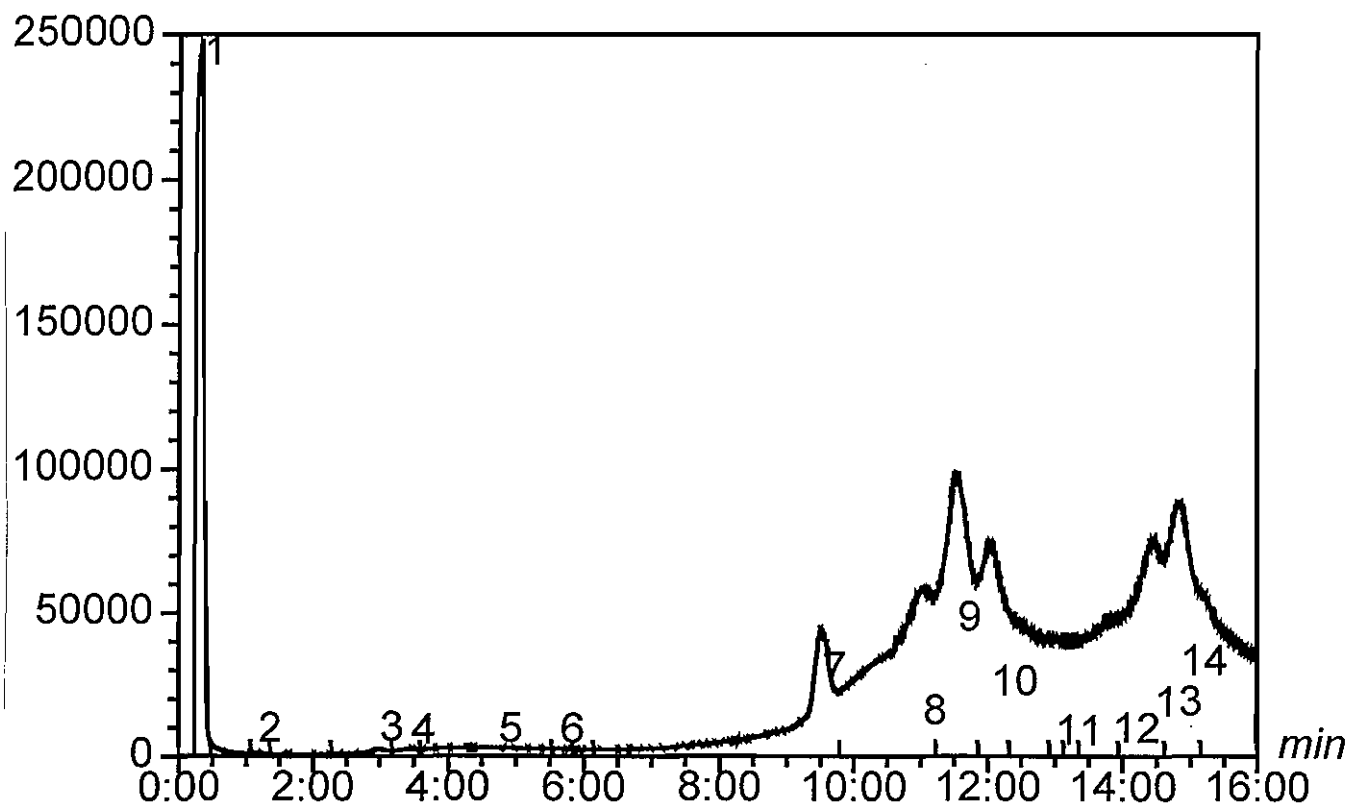
Paper Save=Off

311 STEL=Off

Repeat Cycle=1

'C:\WPEAK\TO142.JOB' Run #178 9/23/99 4:10PM

	Name	Conc	Height	Area	Time
1	1,2-dibromoethane	0.056	120	24370	5:52
2	chlorobenzene	0.282	239	90519	6:45
2	ethylbenzene	0.282	239	90519	6:45
3	p-xylene	0.364	375	141180	7:57
4	styrene	0.650	289	184035	8:15
5	o-xylene	0.312	232	88443	9:17
6	4-methyltoluene	0.275	210	97246	9:32
7	1,2,4-trimethylbenzene	0.603	937	462500	10:36
8	1,3-dichlorobenzene	0.665	356	1088628	12:46
9	Carrier Gas Impurity	5.186	2174	2261322	13:31
10	unknown		1794	1761225	14:03
11	Carrier Gas Impurity	3.824	294	1667463	14:39



INJ/DET Temp=180
Oven Temp=50
Syringe Inj=On
Cont. Pump=Off
311 Plotter=Off
311 TWA Cycle=1
Comment:
s-alfgw10-4 feet

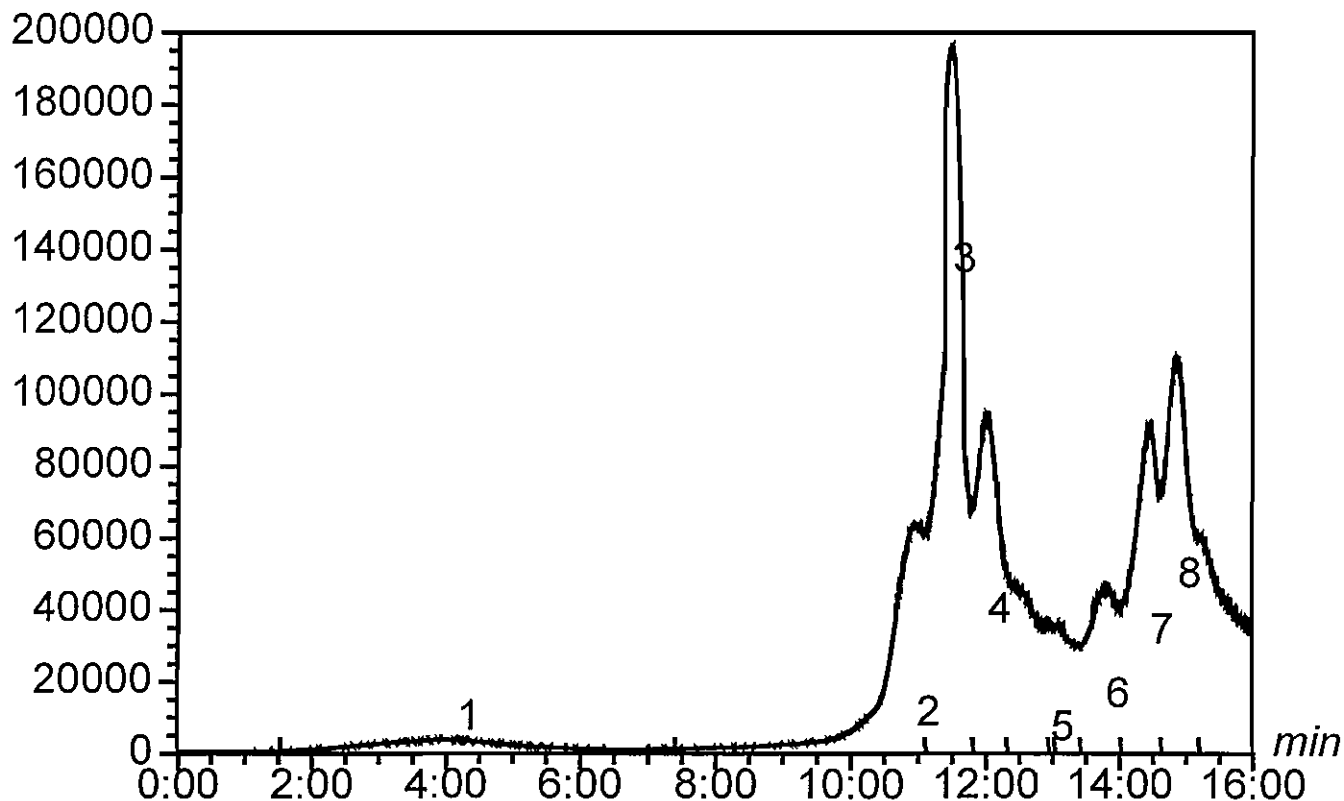
Analysis time=16:00 Inject Time=0:10
Sample Time=0:20
Alarms=Off Paper Save=Off
311 TWA=Off 311 STEL=Off
Calibration Cycle=0 Repeat Cycle=1

'C:\WPEAK\TO142.JOB' Run #178 9/23/99 4:10PM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	2.703	239562	38662654	0:20
2	1,2-dichlorotetrafluoroethane	0.011	452	223479	1:12
3	1,1,2-trichloro-1,2,2-trifluoroethane	0.092	873	1121145	3:00
4	1,1-dichloroethane	0.181	122	910768	3:28
5	unknown		390	5305857	4:45
6	carbon tetrachloride	0.297	254	817205	5:40
7	unknown		21615	30758295	9:33
8	Carrier Gas Impurity	22.367	6595	61603685	11:03
8	Carrier Gas Impurity	22.367	6595	61603685	11:03
9	unknown		39228	55053456	11:33
10	Carrier Gas Impurity	12.479	16903	34369600	12:03
11	unknown		-411	9640828	13:00
12	unknown		491	28971010	13:51
13	unknown		9765	46458540	14:28
14	Carrier Gas impurity	16.765	24037	46173108	14:51

Carrier Gas

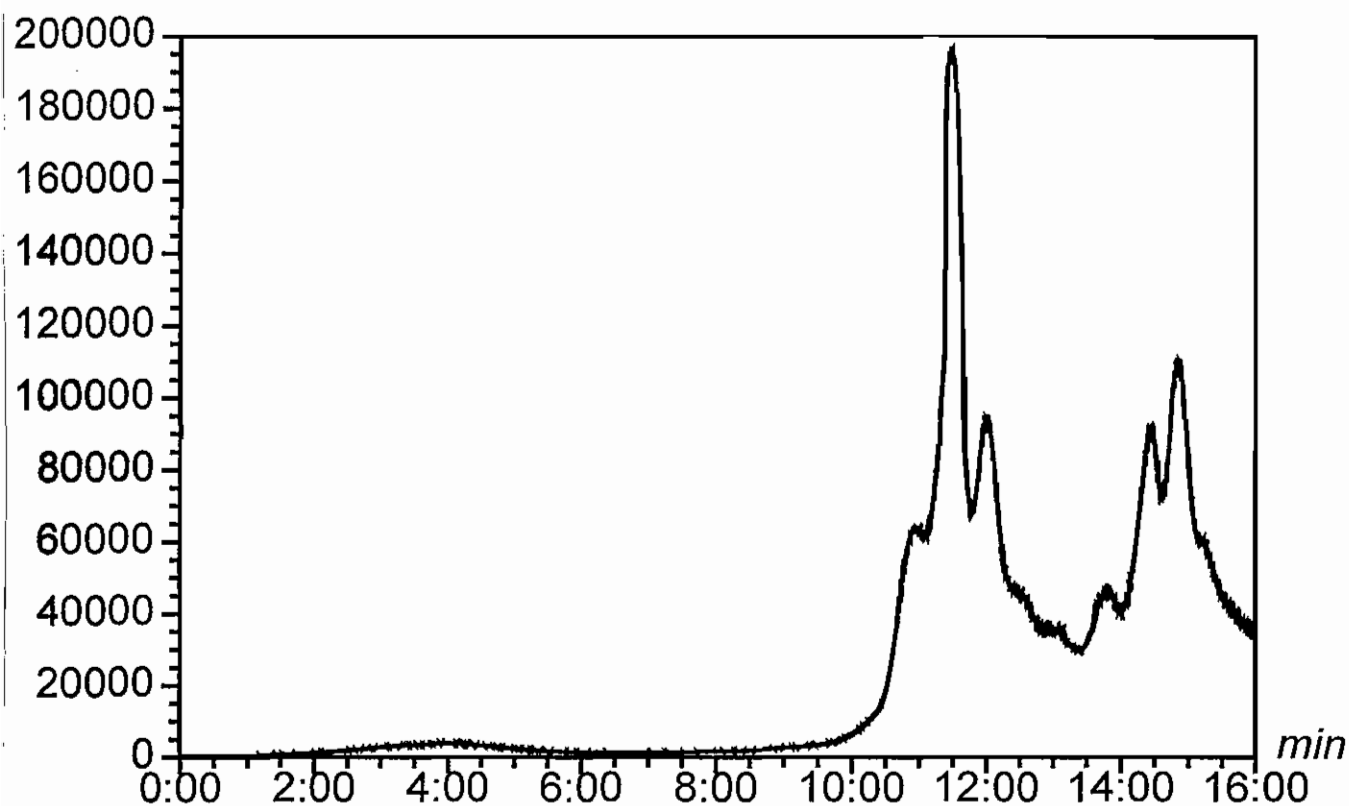
'C:\WPEAK\TO142.JOB' Run #177 9/23/99 2:20PM



INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
 Oven Temp=50 Sample Time=0:20
 Syringe Inj=On Alarms=Off Paper Save=Off
 Cont. Pump=Off
 311 Plotter=Off 311 TWA=Off 311 STEL=Off
 311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
 Comment:
 carrier gas after calibration runs

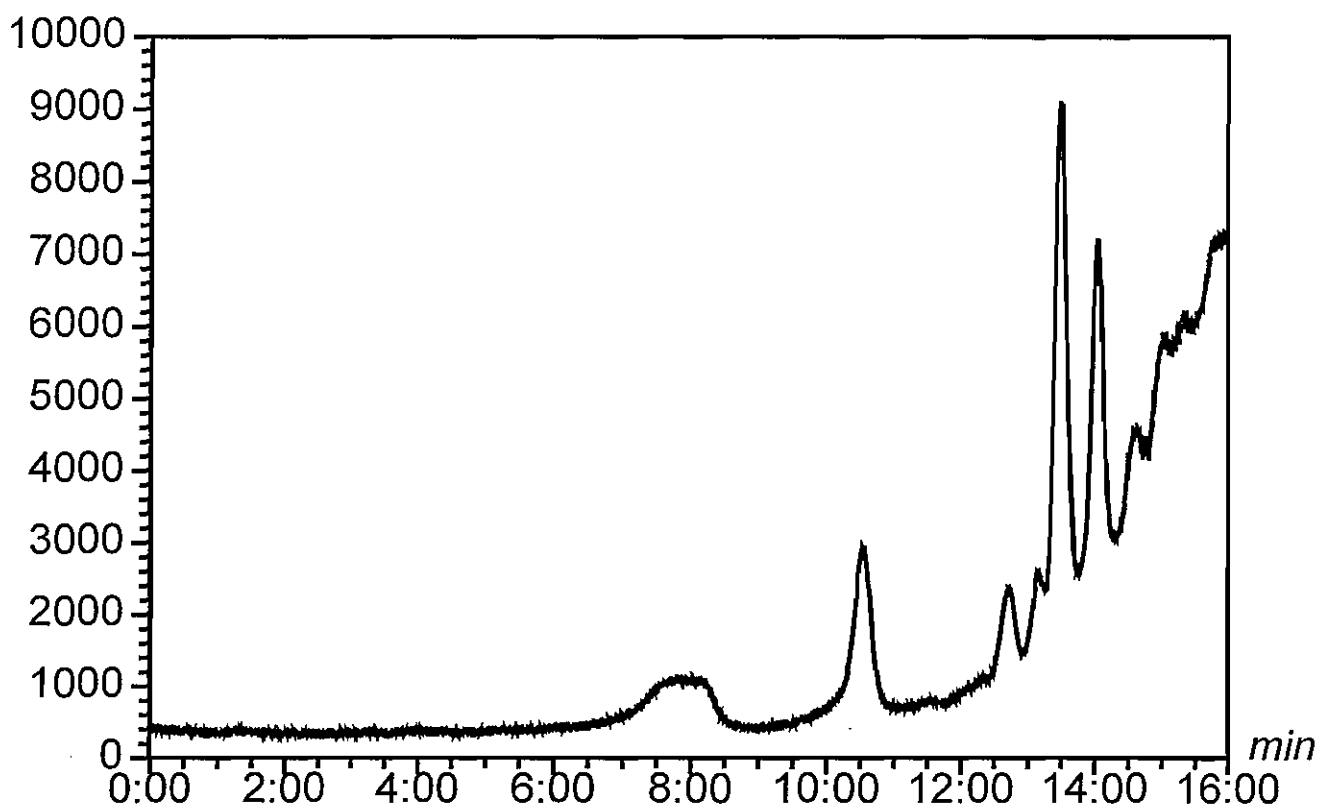
Name	Conc	Height	Area	Time
1 1,2-dichloroethane	15.424	2659	10909150	4:10
1 1,1,1-trichloroethane	11.243	2659	10909150	4:10
2 Carrier Gas Impurity	13.429	3867	36986148	10:59
3 unknown		129772	94027608	11:30
4 Carrier Gas Impurity	16.384	32641	45125710	12:02
5 unknown		-248	3994527	12:59
6 unknown		9043	26655936	13:48
7 unknown		26972	45601788	14:27
8 Carrier Gas impurity	20.500	42487	56461124	14:52

'C:\WPEAK\TO142.JOB' Run #177 9/23/99 2:21PM



INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
carrier gas after calibration runs

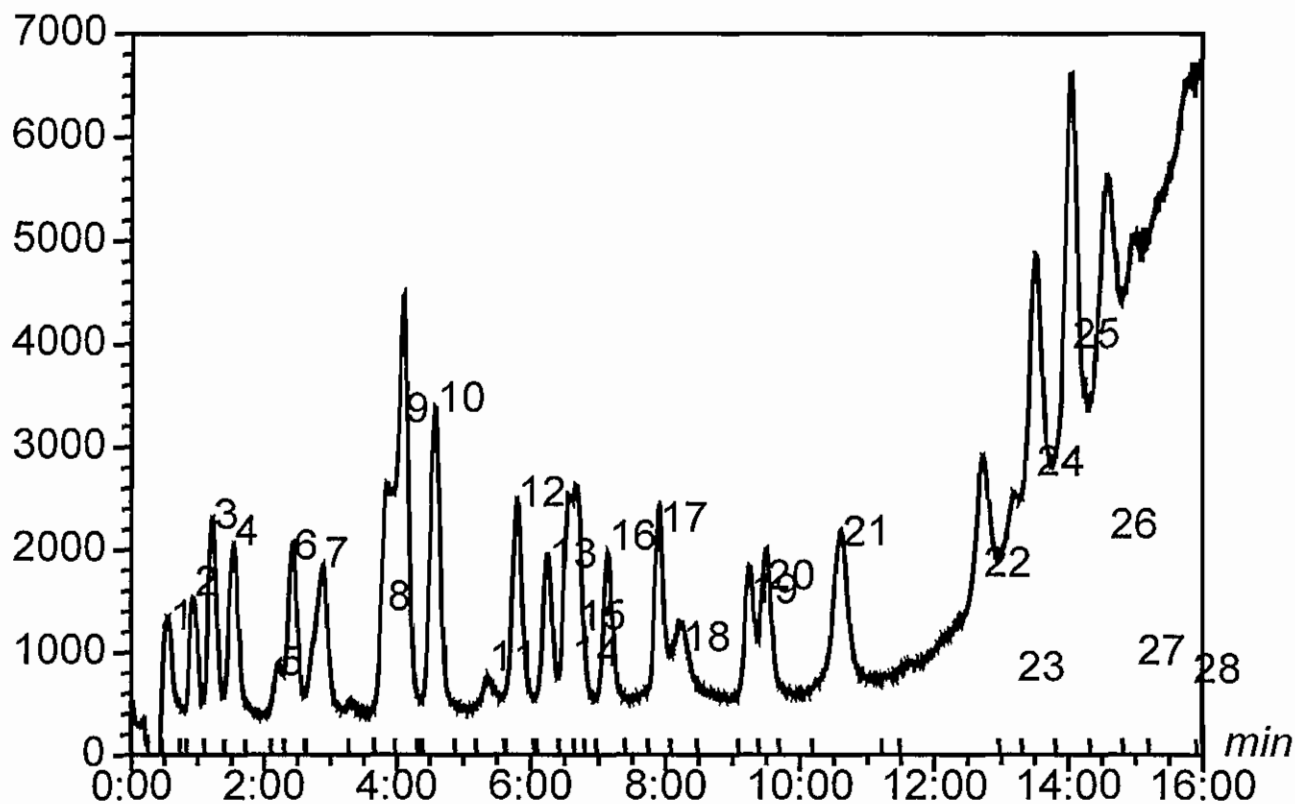
'C:\WPEAK\TO142.JOB' Run #177 9/23/99 2:21PM



INJ/DET Temp=180 Analysis time=16:00 Inject Time=0:10
Oven Temp=50 Sample Time=0:20
Syringe Inj=On Alarms=Off Paper Save=Off
Cont. Pump=Off
311 Plotter=Off 311 TWA=Off 311 STEL=Off
311 TWA Cycle=1 Calibration Cycle=0 Repeat Cycle=1
Comment:
carrier gas after calibration runs

Calibrate
0.2 ppm TO14

'C:\WPEAK\TO142.JOB' Run #176 9/23/99 1:07PM



INJ/DET Temp=180

Oven Temp=50

Syringe Inj=On

Cont. Pump=Off

311 Plotter=Off

311 TWA Cycle=1

Comment:

Analysis time=16:00

Sample Time=0:20

Alarms=Off

311 TWA=Off

Calibration Cycle=0

Inject Time=0:10

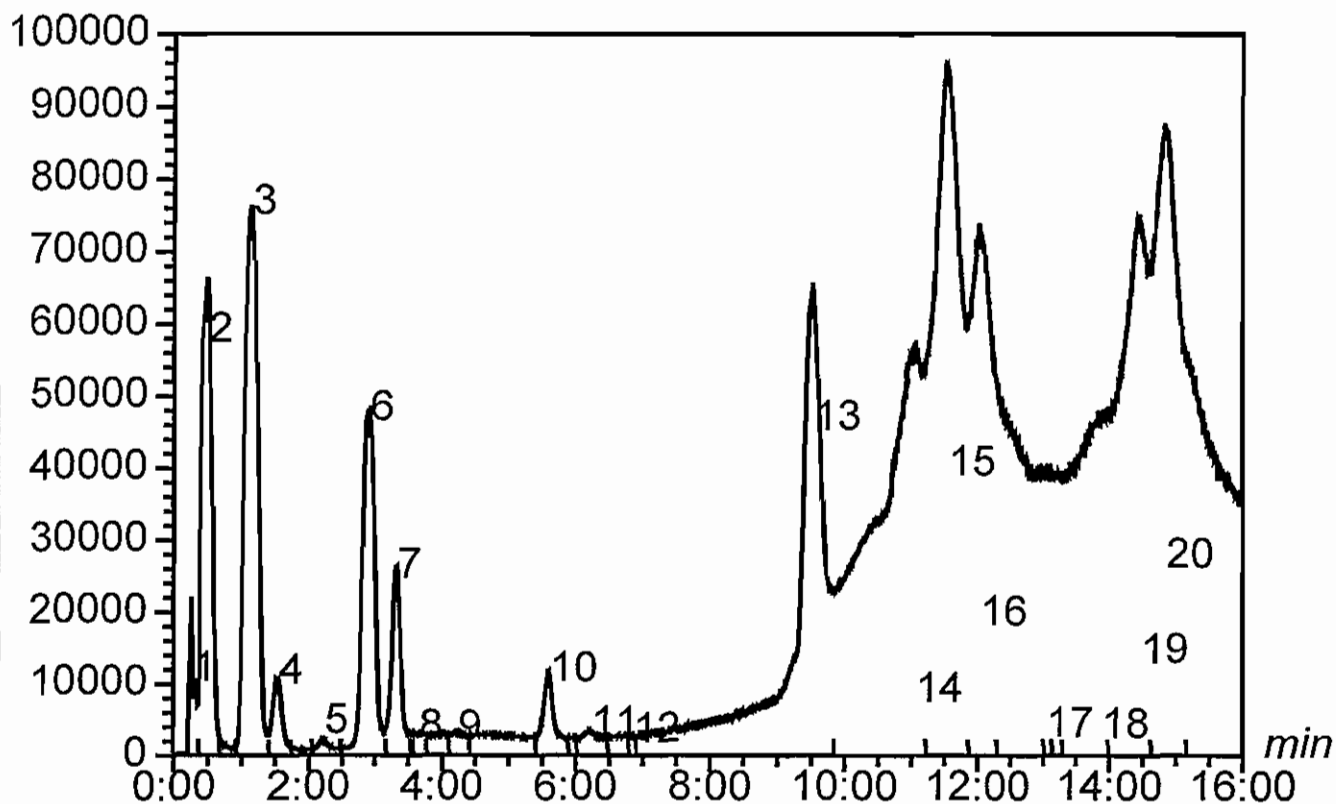
Paper Save=Off

311 STEL=Off

Repeat Cycle=1

'C:\WPEAK\TO142.JOB' Run #176 9/23/99 1:07PM

	Name	Conc	Height	Area	Time
1	vinyl chloride	11.522	619	147544	0:35
2	bromomethane	14.688	953	185968	0:57
3	1,1-dichloroethene	12.010	1604	333183	1:15
4	methylene chloride	11.331	1449	302605	1:33
5	3-chloropropene	0.044	167	70843	2:14
6	3-chloropropene	0.198	1299	315682	2:27
6	cis-1,2-dichloroethene	7.482	1299	315682	2:27
7	benzene	9.722	1228	386463	2:54
8	cis-1,3-dichloropropene	0.248	802	501960	3:51
9	trans-1,3-dichloropropene	2.712	2633	882914	4:07
10	toluene	3.883	2740	625780	4:36
11	unknown		213	89818	5:23
12	1,2-dibromoethane	2.215	1819	436046	5:49
13	tetrachloroethene	1.945	1221	305080	6:16
14	chlorobenzene	1.706	268	371148	6:36
14	ethylbenzene	1.706	268	371148	6:36
15	chlorobenzene	1.476	617	320985	6:42
15	ethylbenzene	1.476	617	320985	6:42
16	m-xylene	1.584	1395	323600	7:09
17	p-xylene	4.223	1571	387465	7:55
18	styrene	1.179	410	282983	8:15
19	o-xylene	1.085	874	283812	9:16
20	4-methyltoluene	0.907	1009	353765	9:31
21	1,2,4-trimethylbenzene	1.044	1438	766656	10:38
22	1,3-dichlorobenzene	1.343	1131	1635922	12:45
23	unknown		118	702655	13:15
24	Carrier Gas Impurity	8.966	2119	1764870	13:32
25	unknown		3355	2353445	14:04
26	Carrier Gas Impurity	11.812	1510	2324919	14:37
27	unknown		276	1916250	15:02
28	1,4-dichlorobenzene	1.898	105	4294665	15:51



INJ/DET Temp=180
Oven Temp=50
Syringe Inj=On
Cont. Pump=Off
311 Plotter=Off
311 TWA Cycle=1
Comment:

Analysis time=16:00
Sample Time=0:20
Alarms=Off
Paper Save=Off
311 TWA=Off
Calibration Cycle=0
311 STEL=Off
Repeat Cycle=1

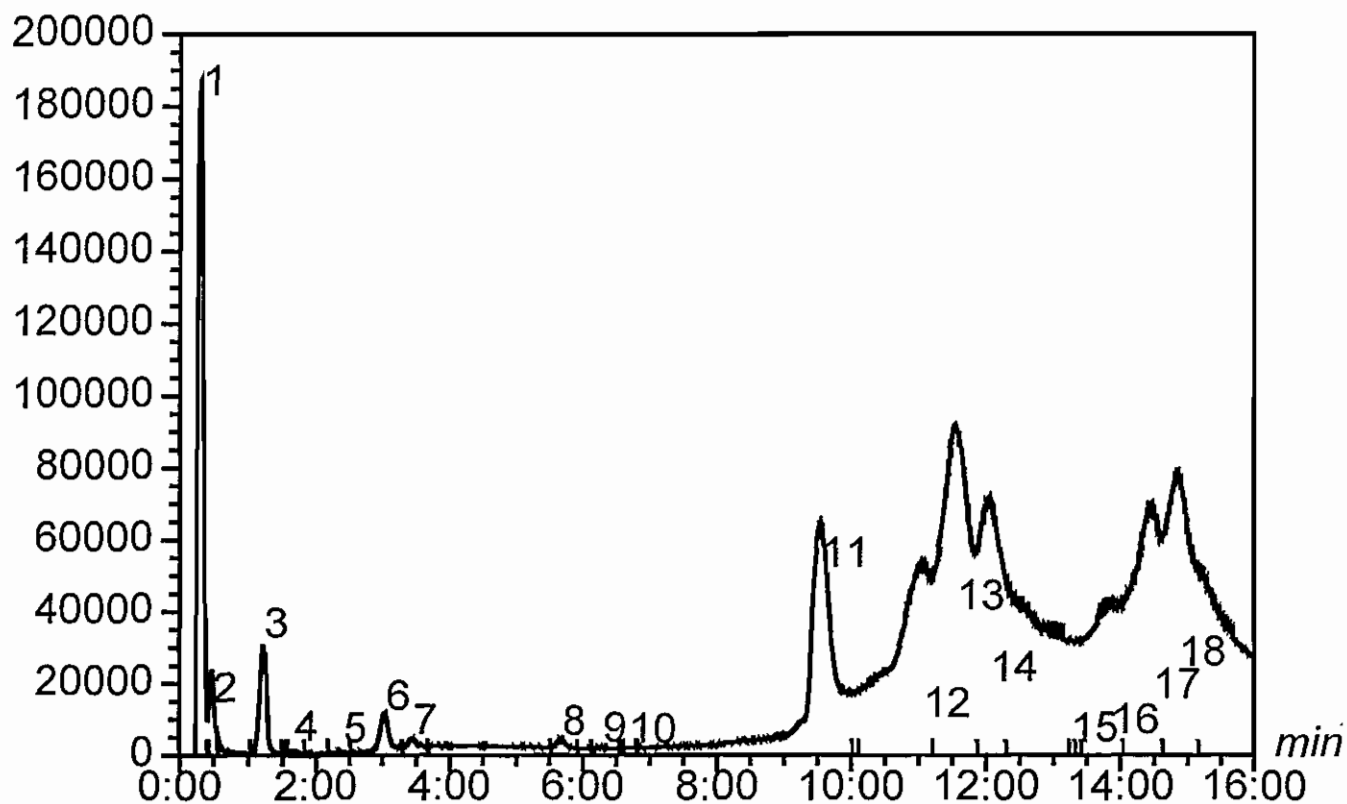
Inject Time=0:10

'C:\WPEAK\TO142.JOB' Run #176 9/23/99 1:07PM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	0.781	8490	1881987	0:16
2	dichlorodifluoromethane	5.940	55499	14305932	0:30
2	chloromethane	5.940	55499	14305932	0:30
3	1,2-dichlorotetrafluoroethane	4.560	73198	20810666	1:09
4	chloroethane	8.174	8167	1958710	1:33
5	trichlorofluoromethane	2.127	1129	484410	2:15
6	1,1,2-trichloro-1,2,2-trifluoroethane	4.470	44723	12244683	2:55
7	1,1-dichloroethane	3.815	22823	5039970	3:20
8	chloroform	0.785	301	655315	3:39
9	1,1,1-trichloroethane	1.372	239	970335	4:15
10	carbon tetrachloride	2.175	8409	2754192	5:37
11	1,2-dichloropropane	1.453	836	1288819	6:15
12	unknown		-7	304524	6:52
13	unknown		43378	37553023	9:32
14	Carrier Gas Impurity	44.558	5559	56412236	11:04
14	Carrier Gas Impurity	44.558	5559	56412236	11:04
15	unknown		37041	54752556	11:34
16	Carrier Gas Impurity	25.159	16243	31852340	12:03
17	unknown		686	6050825	13:03
18	unknown		617	32982008	13:54
19	unknown		11004	43577144	14:28
20	Carrier Gas impurity	35.888	24241	45434916	14:51

Calibration
0.3 ppm TO14

'C:\WPEAK\TO142.JOB' Run #175 9/23/99 12:41PM



INJ/DET Temp=180
Oven Temp=50
Syringe Inj=On
Cont. Pump=Off
311 Plotter=Off
311 TWA Cycle=1
Comment:

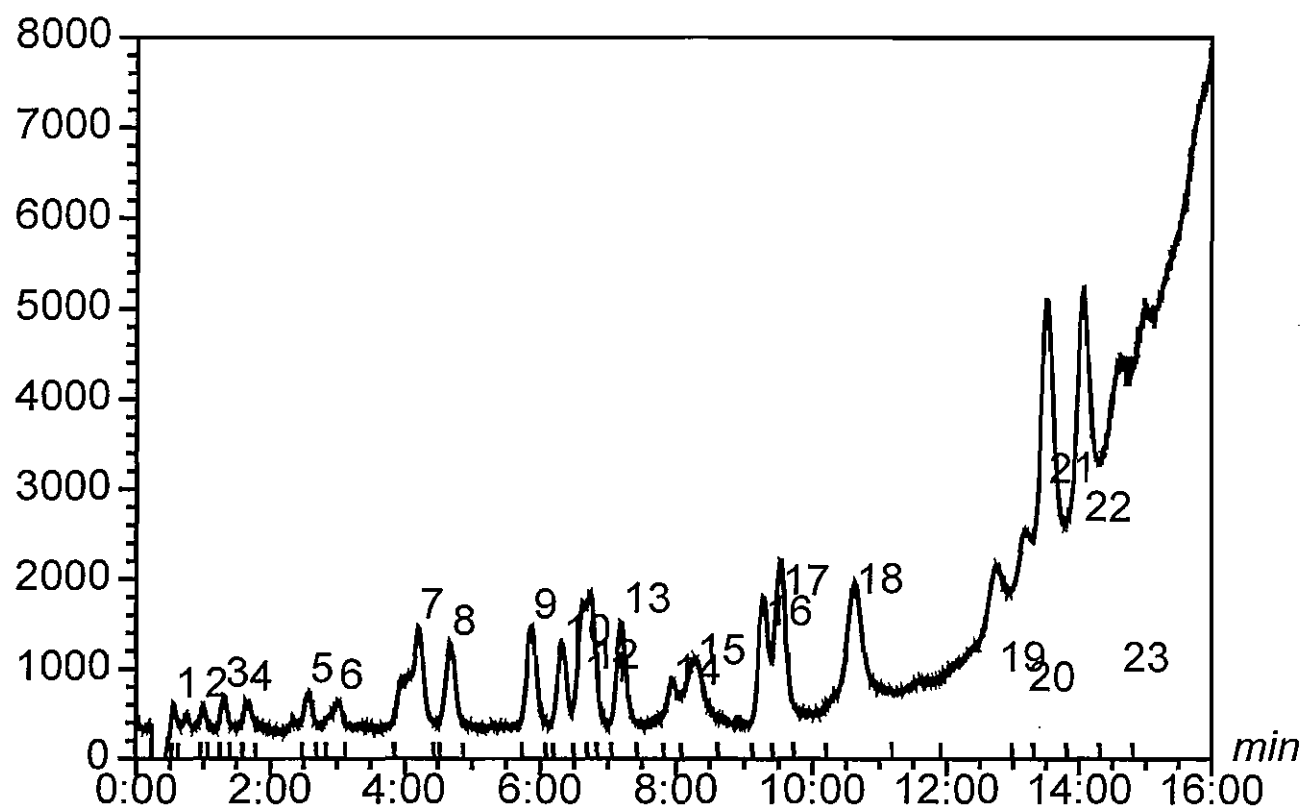
Analysis time=16:00
Sample Time=0:20
Alarms=Off
Paper Save=Off
311 TWA=Off
311 STEL=Off
Calibration Cycle=0
Repeat Cycle=1

Inject Time=0:10

'C:\WPEAK\TO142.JOB' Run #175 9/23/99 12:41PM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	1.594	179752	22120530	0:18
2	dichlorodifluoromethane	0.174	11534	2408355	0:29
2	chloromethane	0.174	11534	2408355	0:29
3	1,2-dichlorotetrafluoroethane	0.162	29448	4563937	1:14
4	chloroethane	0.035	797	239626	1:41
5	trichlorofluoromethane	0.207	105	227737	2:25
6	1,1,2-trichloro-1,2,2-trifluoroethane	0.133	9180	2739409	3:03
7	1,1-dichloroethane	0.107	2313	1321245	3:27
8	carbon tetrachloride	0.185	2220	1266033	5:42
9	1,2-dichloropropane	0.693	383	886864	6:18
10	1,1,2-trichloroethane	0.760	-4	443616	6:42
11	unknown		48893	36300672	9:33
12	Carrier Gas Impurity	5.851	7153	39966732	11:04
12	Carrier Gas Impurity	5.851	7153	39966732	11:04
13	unknown		37228	53482767	11:34
14	Carrier Gas Impurity	4.531	17244	30947906	12:03
15	unknown		108	3598139	13:16
16	unknown		2553	27271393	13:52
17	unknown		12450	36902950	14:29
18	Carrier Gas impurity	6.015	21405	41085795	14:51

'C:\WPEAK\TO142.JOB' Run #175 9/23/99 12:41PM



INJ/DET Temp=180
Oven Temp=50
Syringe Inj=On
Cont. Pump=Off
311 Plotter=Off
311 TWA Cycle=1
Comment:

Analysis time=16:00
Sample Time=0:20
Alarms=Off
Paper Save=Off
311 TWA=Off
Calibration Cycle=0
311 STEL=Off
Repeat Cycle=1

Inject Time=0:10

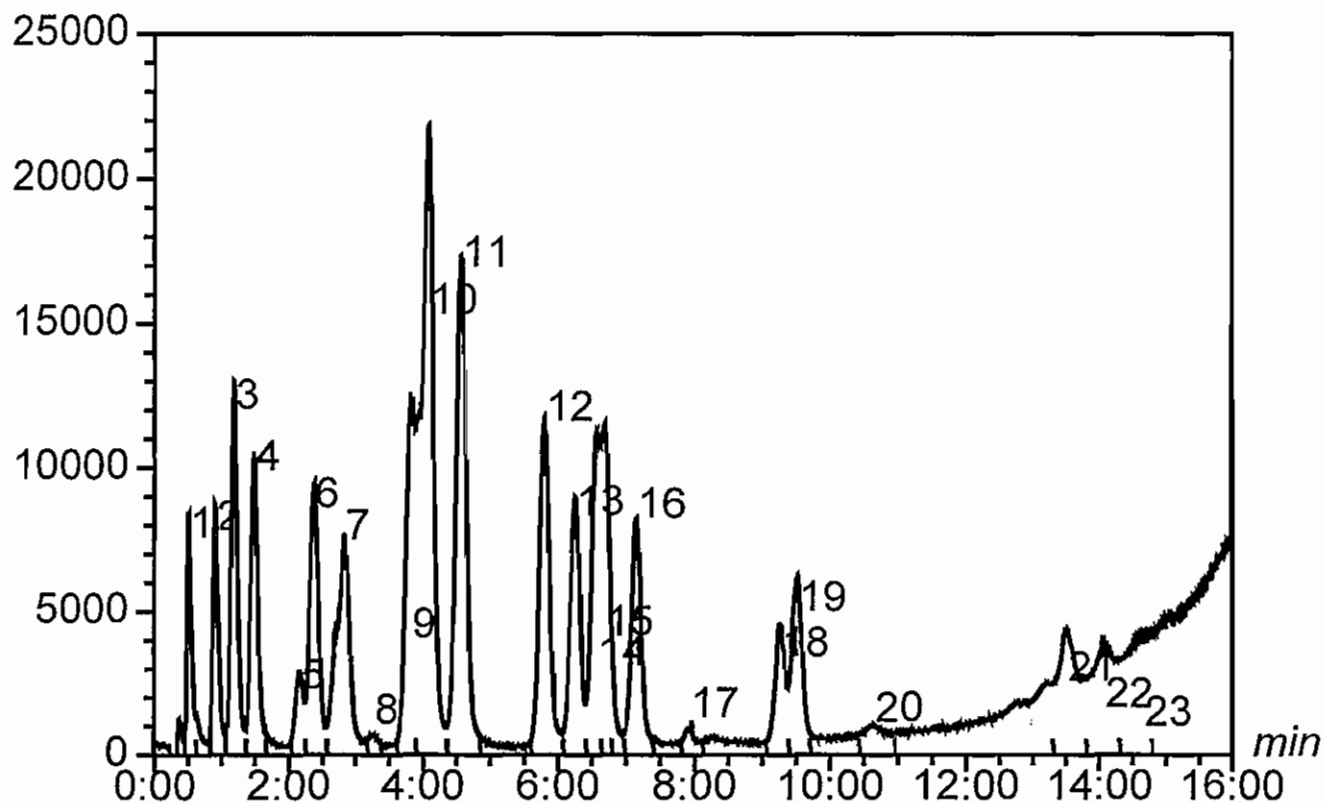
'C:\WPEAK\TO142.JOB' Run #175 9/23/99 12:41PM

	Name	Conc	Height	Area	Time
1	vinyl chloride	0.017	126	12805	0:35
2	bromomethane	0.014	120	12661	1:01
3	1,1-dichloroethene	0.017	237	27741	1:20
4	methylene chloride	0.018	200	26707	1:41
5	cis-1,2-dichloroethene	0.026	283	42193	2:36
6	benzene	0.021	211	39750	3:03
7	trans-1,3-dichloropropene	0.060	997	325506	4:14
8	toluene	0.045	816	161142	4:42
9	1,2-dibromoethane	0.088	997	196832	5:54
10	tetrachloroethene	0.096	710	156819	6:21
11	chlorobenzene	0.121	289	203781	6:39
11	ethylbenzene	0.121	289	203781	6:39
12	chlorobenzene	0.130	436	217533	6:45
12	ethylbenzene	0.130	436	217533	6:45
13	m-xylene	0.135	1064	204300	7:13
14	p-xylene	1.031	260	91749	7:57
15	styrene	1.602	487	240021	8:19
16	o-xylene	0.332	920	261633	9:18
17	4-methyltoluene	0.328	1259	390170	9:33
18	1,2,4-trimethylbenzene	2.650	1279	734670	10:39
19	1,3-dichlorobenzene	0.344	411	1218511	12:47
20	unknown		194	687022	13:14
21	Carrier Gas Impurity	0.804	2513	1796895	13:32
22	unknown		2080	1938225	14:05
23	Carrier Gas Impurity	0.906	409	2026025	14:39

Calibration
1.0 ppm TO14

'C:\WPEAK\TO142.JOB' Run #174 9/23/99 12:00PM

Column Pressure 40
ECD Makeup 35
75 cc/min



INJ/DET Temp=180
Oven Temp=50
Syringe Inj=On
Cont. Pump=Off
311 Plotter=Off
311 TWA Cycle=1
Comment:

Analysis time=16:00
Sample Time=0:20
Alarms=Off
Paper Save=Off
311 TWA=Off
Calibration Cycle=0
311 STEL=Off
Repeat Cycle=1

Inject Time=0:10

'C:\WPEAK\TO142.JOB' Run #174 9/23/99 12:00PM

	Name	Conc	Height	Area	Time
1	vinyl chloride	1.698	6731	755075	0:32
2	bromomethane	0.854	6943	889971	0:56
3	1,1-dichloroethene	0.790	11175	1589969	1:12
4	methylene chloride	0.780	9045	1445887	1:30
5	3-chloropropene	0.193	1430	373493	2:11
6	3-chloropropene	0.826	7753	1594795	2:24
6	cis-1,2-dichloroethene	0.624	7753	1594795	2:24
7	benzene	0.773	6636	1920288	2:51
8	trichloroethene	0.013	226	43643	3:17
9	cis-1,3-dichloropropene	1.484	3200	2026375	3:50
10	trans-1,3-dichloropropene	1.609	14460	5416628	4:06
11	toluene	0.714	16103	3543259	4:35
12	1,2-dibromoethane	0.155	10755	2235934	5:49
13	tetrachloroethene	0.136	7469	1639842	6:16
14	chlorobenzene	0.689	2243	1821156	6:36
14	ethylbenzene	0.642	2243	1821156	6:36
15	chlorobenzene	0.635	3292	1679205	6:42
15	ethylbenzene	0.592	3292	1679205	6:42
16	m-xylene	7.130	7388	1518641	7:10
17	p-xylene	0.014	434	88982	7:57
18	o-xylene	0.055	2542	788653	9:17
19	4-methyltoluene	0.690	4133	1190905	9:32
20	1,2,4-trimethylbenzene	0.012	290	277215	10:40
21	Carrier Gas Impurity	0.112	1703	1613010	13:32
22	unknown		784	1631795	14:06
23	Carrier Gas Impurity	0.130	152	1872096	14:41

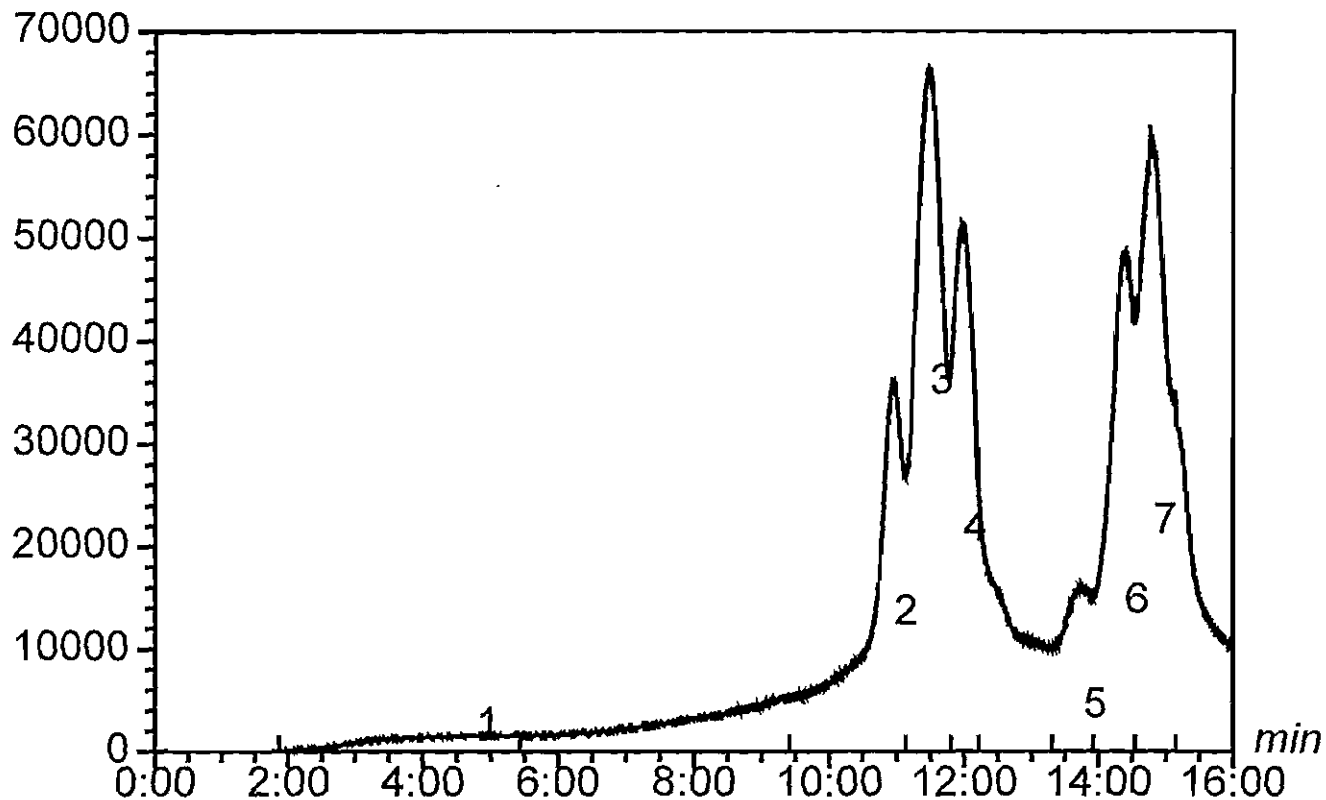
'C:\WPEAK\TO142.JOB' Run #174 9/23/99 12:00PM

	Name	Conc	Height	Area	Time
1	dichlorodifluoromethane	2.135	16910	3063666	0:18
2	dichlorodifluoromethane	9.672	31894	13880466	0:27
2	chloromethane	0.377	31894	13880466	0:27
3	1,2-dichlorotetrafluoroethane	0.648	85140	28189048	1:08
4	chloroethane	0.627	29882	6834139	1:31
5	trichlorofluoromethane	0.542	4752	1097795	2:12
6	1,1,2-trichloro-1,2,2-trifluoroethane	0.729	62086	20593578	2:52
7	1,1-dichloroethane	0.673	43780	12379806	3:18
8	chloroform	0.045	1139	834780	3:38
9	1,2-dichloroethane	0.214	235	527751	3:58
10	1,2-dichloroethane	0.287	777	707292	4:12
10	1,1,1-trichloroethane	0.666	777	707292	4:12
11	carbon tetrachloride		30828	6830627	5:37
12	1,2-dichloropropane	0.212	3297	1278827	6:14
13	1,1,2-trichloroethane	0.345	242	583462	6:36
14	1,1,2,2-tetrachloroethane	0.831	197	588654	7:12
15	unknown		101	674292	7:27
16	unknown		63938	39518113	9:33
17	Carrier Gas Impurity		5656	34967616	11:04
17	Carrier Gas Impurity		5656	34967616	11:04
18	unknown		25214	43617673	11:34
19	Carrier Gas Impurity		12538	27142787	12:04
20	unknown		-41	1976751	13:23
21	unknown		332	14451051	13:54
22	unknown		9169	33408852	14:29
23	Carrier Gas impurity		14785	34353882	14:53

New Septa

Carrier Gas

'C:\WPPEAK\TO142.JOB' Run #173 9/23/99 11:22AM



INJ/DET Temp=180

Analysis time=16:00

Inject Time=0:10

Oven Temp=50

Sample Time=0:20

Syringe Inj=On

Alarms=Off

Paper Save=Off

Cont. Pump=Off

311 Plotter=Off

311 TWA=Off

311 STEL=Off

311 TWA Cycle=1

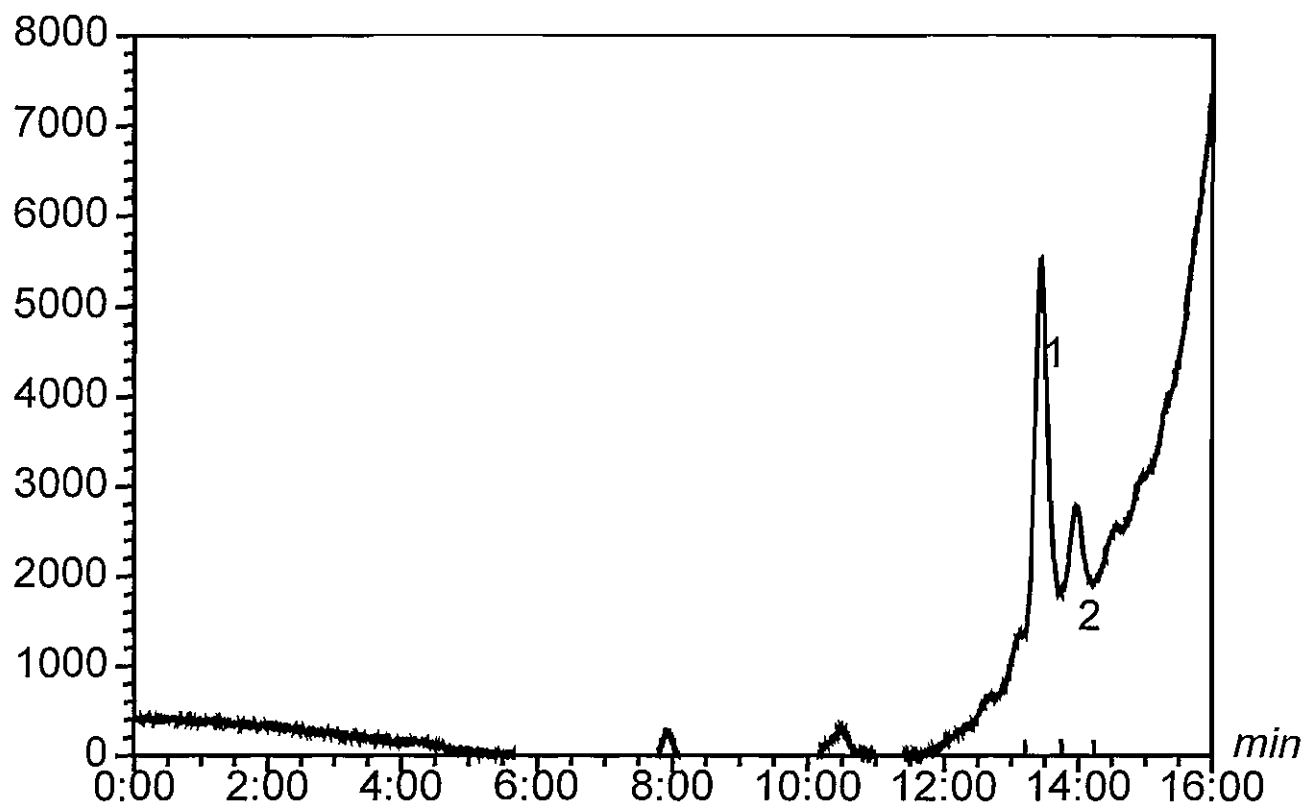
Calibration Cycle=0

Repeat Cycle=1

Comment:

	Name	Conc	Height	Area	Time
1	unknown		276	4295545	4:47
2	Carrier Gas Impurity		11207	23795716	10:57
3	unknown		33673	37345426	11:29
4	Carrier Gas Impurity		19413	21332344	11:59
5	unknown		2116	9370830	13:46
6	unknown		12375	23350024	14:24
7	Carrier Gas impurity		20136	33039048	14:48

'C:\WPEAK\TO142.JOB' Run #173 9/23/99 11:23AM



INJ/DET Temp=180
Oven Temp=50
Syringe Inj=On
Cont. Pump=Off
311 Plotter=Off
311 TWA Cycle=1
Comment:

Analysis time=16:00
Sample Time=0:20
Alarms=Off
311 TWA=Off
Calibration Cycle=0

Inject Time=0:10
Paper Save=Off
311 STEL=Off
Repeat Cycle=1

	Name	Conc	Height	Area	Time
1	Carrier Gas Impurity	0.117	3777	1683959	13:27
2	unknown		858	1021443	14:00