Extended Raw Data

Level III

Project # EOJ180116

Analysis: 876013

000288

8260B INITIAL CALIBRATION DATA

DATE ANALYZED: 10-13-2000

INSTRUMENT ID: MH

SAMPLES: EUJ180165

BOE-C6-0173782

Batch ID: _____

GC/MS VOA Run Log

FJK 11/3/00

☐ EPA 524.2 ☐ EPA 624 ☑ SW8260B [SOP: CORP-MS-0002 Rev 2] ☐ 5030B ☐ 5035

Instrument: MS1H	EM Set: 1812	Tune File: BFB-U	Seq File: 101JAH
Init. Cal ID: 8260BHL			Date: 101300

Inj. Time	Analyst	File ID	Work Order #	AS #	Matrix	Sample Wt/Vol	Dil.	I.S.	Run	Rerun	pH	Comments
		HT1146	~~HT~~ 50ng BFB	–	–	14	–	–	N			MSVOA1198-1
9:22		HT1147	50ng BFB	–	–	4	–	–	✓			MSVOA1198-1 Switched Filters
10:30		HS2186	10ppb 8260B	1	17	25ml	1	88	✓			IS12567, SUR12562, STD1255-2
12:21		87	0.5ppb	2				77	✓			
12:51		88	0.5ppb	3				96	N			not used
13:22		89	1.0ppb	4				86	✓			
13:52		90	2.5ppb	5				95	✓			
14:23		91	5ppb	6				93	✓			
14:53		92	50ppb	7				75	✓			
15:24		93	100ppb	8				101	✓			
15:55		H12528	Inst. blank	9				110	✓			
16:4		29	Second Source	10				77	N	✓		QC1253-1 low +c
17:1		30	101300AH-MB-1	11				80	✓			
17:44	AD	H12531	SECOND SOURCE					118	✓			

BOE-C6-0173783

STL Los Angeles

INITIAL CALIBRATION DATA

Start Cal Date : 13-OCT-2000 10:30
End Cal Date : 13-OCT-2000 15:24
Quant Method : ISTD
Origin : Disabled
Target Version : 4.00
Integrator : HP RTE
Method file : \\SANP2007\D\chem\mh.I\1013AH.B\8260BHL.M
Cal Date : 13-Oct-2000 16:03 DONGA
Curve Type : Average

Calibration File Names:
Level 1: \\SANP2007\D\chem\mh.I\1013AH.B\HS2189.D
Level 2: \\SANP2007\D\chem\mh.I\1013AH.B\HS2191.D
Level 3: \\SANP2007\D\chem\mh.I\1013AH.B\HS2186.D
Level 4: \\SANP2007\D\chem\mh.I\1013AH.B\HS2192.D
Level 5: \\SANP2007\D\chem\mh.I\1013AH.B\HS2193.D
Level 6: \\SANP2007\D\chem\mh.I\1013AH.B\HS2188.D
Level 7: \\SANP2007\D\chem\mh.I\1013AH.B\HS2190.D

MM 10/13/2000
10-13-00

Compound	1.000 Level 1 / 2.500 Level 7	5.000 Level 2	10.000 Level 3	50.000 Level 4	100.000 Level 5	0.50000 Level 6	RRF	% RSD
1 Dichlorodifluoromethane	0.36010	0.53149	0.49569	0.44353	0.43151	+++++	0.45246	14.478
	+++++							
2 Chloromethane (**)	0.19410	0.22154	0.21581	0.19727	0.18371	+++++	0.20249	7.772
	+++++							
3 Vinyl chloride (*)	+++++	0.24933	0.22683	0.21042	0.20672	0.25179	0.22902	9.209
	+++++							
4 Bromomethane	0.23117	0.25948	0.29047	0.23955	0.23480	+++++	0.25109	9.789
	+++++							
5 Chloroethane	0.12580	0.14598	0.13265	0.12113	0.09550	+++++	0.12421	14.962
	+++++							
6 Trichlorofluoromethane	0.82118	0.92651	0.85957	0.80534	0.79313	+++++	0.84115	6.405
	+++++							
7 Acetone	0.02145	0.02046	0.01840	0.01678	0.01501	+++++	0.01842	14.277
	+++++							

STL Los Angeles

INITIAL CALIBRATION DATA

Start Cal Date : 13-OCT-2000 10:30
End Cal Date : 13-OCT-2000 15:24
Quant Method : ISTD
Origin : Disabled
Target Version : 4.00
Integrator : HP RTE
Method file : \\SANP2007\D\chem\mh.I\1013AH.B\8260BHL.M
Cal Date : 13-Oct-2000 16:03 DONGA
Curve Type : Average

Compound	1.000 Level 1 / 2.500 Level 7	5.000 Level 2	10.000 Level 3	50.000 Level 4	100.000 Level 5	0.50000 Level 6	RRF	% RSD	
8 1,1-Dichloroethene(*)	0.25034 ++++++	0.29008	0.25799	0.25119	0.24780	++++++	0.25948	6.751	
9 1,1,2-Trichlorotrifluoroethan	0.45271 ++++++	0.49243	0.47301	0.42046	0.41302	++++++	0.45033	7.511	
10 Acrolein	0.00393 ++++++	0.00664	0.00546	0.00633	0.00610	++++++	0.00569	18.902	<-
11 Iodomethane	0.52810 ++++++	0.70105	0.41779	0.65667	0.64778	++++++	0.59028	19.611	
12 Carbon disulfide	0.72032 ++++++	0.93097	0.86676	0.82652	0.82332	++++++	0.83358	9.209	
13 Methylene chloride	0.24659 ++++++	0.27538	0.25878	0.25351	0.25869	++++++	0.25859	4.110	
14 Acrylonitrile	0.01330 ++++++	0.01673	0.01486	0.01617	0.01542	++++++	0.01530	8.665	
15 t-Butanol	++++++ 0.00557	0.00641	0.00559	0.00583	0.00586	++++++	0.00585	5.800	<-
16 trans-1,2-Dichloroethene	0.30101 ++++++	0.33866	0.33928	0.30960	0.31348	++++++	0.32041	5.473	
17 Methyl-tert-butyl ether[MTBE]	0.39198 ++++++	0.40180	0.38353	0.37037	0.36741	++++++	0.38302	3.777	

STL Los Angeles

INITIAL CALIBRATION DATA

Start Cal Date : 13-OCT-2000 10:30
End Cal Date : 13-OCT-2000 15:24
Quant Method : ISTD
Origin : Disabled
Target Version : 4.00
Integrator : HP RTE
Method file : \\SANP2007\D\chem\mh.I\1013AH.B\8260BHL.M
Cal Date : 13-Oct-2000 16:03 DONGA
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	50.000 Level 4	100.000 Level 5	0.50000 Level 6	RRF	% RSD
	2.500 Level 7							
18 1,1-Dichloroethane (**)	0.55969	0.62413	0.59488	0.54996	0.55906	+++++	0.57754	5.401
	+++++							
19 Vinyl acetate	0.46920	0.47987	0.45302	0.43948	0.42301	+++++	0.45292	5.019
	+++++							
20 Isopropyl ether	0.92186	0.98020	0.92478	0.85830	0.82051	+++++	0.90113	6.925
	+++++							
21 Tert-butyl ethyl ether	0.67553	0.73056	0.70349	0.66853	0.66254	+++++	0.68813	4.132
	+++++							
22 2,2-Dichloropropane	0.57522	0.62112	0.64312	0.54666	0.54933	+++++	0.58709	7.375
	+++++							
23 cis-1,2-Dichloroethene	0.32299	0.36066	0.35864	0.32823	0.32872	+++++	0.33985	5.364
	+++++							
24 2-Butanone	0.03694	0.03649	0.03374	0.03272	0.02940	+++++	0.03386	9.054
	+++++							
M 25 1,2-Dichloroethene (total)	0.31200	0.34966	0.34896	0.31892	0.32110	+++++	0.33013	5.401
	+++++							
26 Tetrahydrofuran	+++++	0.02434	0.02338	0.02317	0.02026	+++++	0.02200	10.622
	0.01883							
27 Bromochloromethane	0.17747	0.20049	0.17614	0.18807	0.18488	+++++	0.18541	5.284
	+++++							

STL Los Angeles

INITIAL CALIBRATION DATA

Start Cal Date : 13-OCT-2000 10:30
End Cal Date : 13-OCT-2000 15:24
Quant Method : ISTD
Origin : Disabled
Target Version : 4.00
Integrator : HP RTE
Method file : \\SANP2007\D\chem\mh.I\1013AH.B\8260BHL.M
Cal Date : 13-Oct-2000 16:03 DONGA
Curve Type : Average

Compound	1.000 Level 1 / 2.500 Level 7	5.000 Level 2	10.000 Level 3	50.000 Level 4	100.000 Level 5	0.50000 Level 6	RRF	% RSD
28 Chloroform (*)	0.85430 +++++	0.88245	0.84369	0.78242	0.79346	+++++	0.83126	5.075
30 1,1,1-Trichloroethane	0.75482 +++++	0.83548	0.84841	0.74911	0.73772	+++++	0.78511	6.680
31 Carbon Tetrachloride	+++++ +++++	0.86200	0.87707	0.76551	0.74758	0.75132	0.80070	7.921
32 1,1-Dichloropropene	0.53035 +++++	0.57473	0.57122	0.49507	0.47039	+++++	0.52835	8.704
34 1,2-Dichloroethane-d4 2nd	0.01172 +++++	0.04809	0.05047	0.04640	0.04605	+++++	0.04054	39.972 <-
35 Benzene	0.83976 +++++	0.89844	0.88167	0.79166	0.78008	+++++	0.83832	6.274
36 1,2-Dichloroethane	+++++ +++++	0.38613	0.36676	0.35382	0.33929	0.35045	0.35929	4.988
37 Tert-amyl methyl ether	0.44255 +++++	0.50667	0.50723	0.47316	0.46845	+++++	0.47961	5.743
39 Trichloroethene	0.45175 +++++	0.49926	0.50335	0.45444	0.45523	+++++	0.47281	5.518
40 1,2-Dichloropropane(*)	0.34938 +++++	0.37237	0.35920	0.33295	0.33412	+++++	0.34960	4.803

STL Los Angeles

INITIAL CALIBRATION DATA

Start Cal Date : 13-OCT-2000 10:30
End Cal Date : 13-OCT-2000 15:24
Quant Method : ISTD
Origin : Disabled
Target Version : 4.00
Integrator : HP RTE
Method file : \\SANP2007\D\chem\mh.I\1013AH.B\8260BHL.M
Cal Date : 13-Oct-2000 16:03 DONGA
Curve Type : Average

Compound	1.000 Level 1 2.500 Level 7	5.000 Level 2	10.000 Level 3	50.000 Level 4	100.000 Level 5	0.50000 Level 6	RRF	% RSD
41 Dibromomethane	0.23802 +++++	0.28147	0.26680	0.26400	0.25267	+++++	0.26059	6.242
42 Bromodichloromethane	0.69881 +++++	0.78506	0.74622	0.72277	0.70932	+++++	0.73244	4.689
43 1-Bromo-2-chloroethane	0.40841 +++++	0.47349	0.46124	0.47172	0.46205	+++++	0.45538	5.892
44 2-Chloroethylvinyl ether	+++++ 0.01670	0.01261	0.01384	0.01830	0.01978	+++++	0.01625	18.444
45 cis-1,3-Dichloropropene	+++++ +++++	0.45754	0.45705	0.43910	0.43867	0.37947	0.43436	7.377
46 4-Methyl-2-pentanone	0.10043 +++++	0.11682	0.11460	0.10694	0.09918	+++++	0.10759	7.449
48 Toluene (*)	1.42669 +++++	1.59483	1.64056	1.44369	1.44998	+++++	1.51115	6.549
49 trans-1,3-Dichloropropene	+++++ +++++	0.45994	0.50061	0.47427	0.47471	0.28742	0.43939	19.621
50 1,1,2-Trichloroethane	0.26192 +++++	0.31544	0.32175	0.30740	0.28918	+++++	0.29914	8.067
51 Tetrachloroethene	0.59693 +++++	0.68989	0.72679	0.61429	0.60310	+++++	0.64620	9.059

STL Los Angeles

INITIAL CALIBRATION DATA

Start Cal Date : 13-OCT-2000 10:30
End Cal Date : 13-OCT-2000 15:24
Quant Method : ISTD
Origin : Disabled
Target Version : 4.00
Integrator : HP RTE
Method file : \\SANP2007\D\chem\mh.I\1013AH.B\8260BHL.M
Cal Date : 13-Oct-2000 16:03 DONGA
Curve Type : Average

Compound	1.000 Level 1 / 2.500 Level 7	5.000 Level 2	10.000 Level 3	50.000 Level 4	100.000 Level 5	0.50000 Level 6	RRF	% RSD
52 1,3-Dichloropropane	0.43546 +++++	0.49730	0.50362	0.45711	0.42592	+++++	0.46388	7.614
53 2-Hexanone	0.09583 +++++	0.10773	0.10980	0.10115	0.09407	+++++	0.10172	6.863
54 Dibromochloromethane	0.68430 +++++	0.79679	0.80491	0.74410	0.72136	+++++	0.75029	6.788
55 1,2-Dibromoethane	0.39095 +++++	0.46138	0.48255	0.45494	0.44692	+++++	0.44735	7.642
57 Chlorobenzene (**)	1.06667 +++++	1.20178	1.16432	1.12677	1.11139	+++++	1.13419	4.541
58 1,1,1,2-Tetrachloroethane	0.59073 +++++	0.68188	0.68176	0.63487	0.61591	+++++	0.64103	6.301
59 Ethylbenzene (*)	0.48010 +++++	0.55295	0.53032	0.50154	0.49348	+++++	0.51168	5.766
60 m,p-Xylenes	0.62787 +++++	0.70907	0.70155	0.63034	0.61562	+++++	0.65689	6.794
M 61 Xylenes (total)	0.60497 +++++	0.68800	0.68192	0.61640	0.60637	+++++	0.63953	6.530
62 o-Xylene	0.55915 +++++	0.64588	0.64268	0.58851	0.58788	+++++	0.60482	6.273

STL Los Angeles

INITIAL CALIBRATION DATA

Start Cal Date : 13-OCT-2000 10:30
End Cal Date : 13-OCT-2000 15:24
Quant Method : ISTD
Origin : Disabled
Target Version : 4.00
Integrator : HP RTE
Method file : \\SANP2007\D\chem\mh.I\1013AH.B\8260BHL.M
Cal Date : 13-Oct-2000 16:03 DONGA
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	50.000 Level 4	100.000 Level 5	0.50000 Level 6	RRF	% RSD
	2.500 Level 7							
63 Styrene	0.86578	0.98945	1.00002	0.93842	0.91808	+++++	0.94235	5.815
	+++++							
64 Bromoform (**)	0.36399	0.44352	0.44307	0.43231	0.41858	+++++	0.42029	7.870
	+++++							
65 Isopropylbenzene	1.95036	2.16157	2.15317	1.96671	1.95222	+++++	2.03681	5.414
	+++++							
67 4-Bromofluorobenzene-2nd	0.56573	0.62372	0.60431	0.52973	0.52616	+++++	0.56993	7.660
	+++++							
68 Bromobenzene	0.82923	0.99842	1.01206	0.95785	0.98317	+++++	0.95615	7.713
	+++++							
69 1,1,2,2-Tetrachloroethane(**)	0.58804	0.63228	0.60624	0.59939	0.58990	+++++	0.60317	2.961
	+++++							
70 1,2,3-Trichloropropane	0.07615	0.14418	0.15138	0.14664	0.14363	+++++	0.13240	23.859
	+++++							
71 n-Propylbenzene	3.13965	3.81585	3.91164	3.51753	3.77452	+++++	3.63184	8.574
	+++++							
72 2-Chlorotoluene	0.77824	0.79880	0.78753	0.72858	0.74786	+++++	0.76820	3.792
	+++++							
73 4-Chlorotoluene	0.76246	0.85786	0.83748	0.79147	0.81011	+++++	0.81188	4.621
	+++++							

STL Los Angeles

INITIAL CALIBRATION DATA

Start Cal Date : 13-OCT-2000 10:30
End Cal Date : 13-OCT-2000 15:24
Quant Method : ISTD
Origin : Disabled
Target Version : 4.00
Integrator : HP RTE
Method file : \\SANP2007\D\chem\mh.I\1013AH.B\8260BHL.M
Cal Date : 13-Oct-2000 16:03 DONGA
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	50.000 Level 4	100.000 Level 5	0.50000 Level 6	2.500 Level 7	RRF	% RSD
74 1,3,5-Trimethylbenzene	2.76767	2.96105	2.85101	2.64491	2.61864	++++++	++++++	2.76865	5.159
75 tert-Butylbenzene	2.89317	3.10893	3.03438	2.75955	2.83182	++++++	++++++	2.92557	4.920
76 1,2,4-Trimethylbenzene	2.74315	2.90714	2.79200	2.59667	2.64274	++++++	++++++	2.73634	4.498
77 sec-Butylbenzene	3.79387	3.95551	3.76979	3.48279	3.59178	++++++	++++++	3.71875	4.960
78 1,3-Dichlorobenzene	1.63174	1.72891	1.68871	1.60861	1.64474	++++++	++++++	1.66054	2.895
80 p-Isopropyltoluene	3.19579	3.48248	3.35899	3.07329	3.07544	++++++	++++++	3.23720	5.563
81 1,4-Dichlorobenzene	1.65636	1.91065	1.88649	1.77416	1.71097	++++++	++++++	1.78773	6.140
82 1,2-Dichlorobenzene	1.37758	1.51503	1.43783	1.39587	1.41295	++++++	++++++	1.42785	3.751
83 n-Butylbenzene	3.18822	3.57850	3.44198	3.19246	3.22654	++++++	++++++	3.32554	5.293
84 1,2-Dibromo-3-chloropropane	++++++	0.12567	0.12563	0.13435	0.13682	++++++	0.11057	0.12661	8.124

STL Los Angeles

INITIAL CALIBRATION DATA

Start Cal Date : 13-OCT-2000 10:30
End Cal Date : 13-OCT-2000 15:24
Quant Method : ISTD
Origin : Disabled
Target Version : 4.00
Integrator : HP RTE
Method file : \\SANP2007\D\chem\mh.I\1013AH.B\8260BHL.M
Cal Date : 13-Oct-2000 16:03 DONGA
Curve Type : Average

Compound	1.000 Level 1 / 2.500 Level 7	5.000 Level 2	10.000 Level 3	50.000 Level 4	100.000 Level 5	0.50000 Level 6	RRF	% RSD
85 1,2,4-Trichlorobenzene	1.00290 +++++	1.17457	1.21096	1.16967	1.17209	+++++	1.14604	7.136
86 Hexachlorobutadiene	1.18697 +++++	1.32756	1.32951	1.13560	1.05471	+++++	1.20687	9.998
87 Napthalene	0.83241 +++++	0.98814	0.90484	0.96416	0.93006	+++++	0.92392	6.521
88 1,2,3-Trichlorobenzene	0.82942 +++++	0.93904	0.91843	0.88737	0.88227	+++++	0.89131	4.674
$ 29 Dibromofluoromethane	0.68302 +++++	0.69533	0.64961	0.57601	0.55673	+++++	0.63214	9.918
$ 33 1,2-Dichloroethane-d4	0.29427 +++++	0.30574	0.28197	0.26425	0.25945	+++++	0.28114	6.966
$ 47 Toluene-d8	1.10139 +++++	1.19285	1.18148	1.01224	1.01837	+++++	1.10127	7.814
$ 66 4-Bromofluorobenzene	0.81563 +++++	0.88134	0.81575	0.74652	0.72491	+++++	0.79683	7.827

Data File: \\SANP2007\D\chem\mh.I\1013AH.B/HS2193.D
Report Date: 10/13/2000

INITIAL CALIBRATION REPORT

Instrument ID: mh.i
Lab File ID: HS2193.D
Analysis Type: WATER

Injection Date: 13-OCT-2000 15:24
Lab Sample ID: 100 PPB 8260B STD
Method File: \\SANP2007\D\chem\mh.I\1013AH.B\8260BHL

COMPOUND	%RSD
Dichlorodifluoromethane	14.5
Chloromethane (**)	7.8
Vinyl chloride (*)	9.2
Bromomethane	9.8
Chloroethane	15.0
Trichlorofluoromethane	6.4
Acrolein	18.9
1,1-Dichloroethene(*)	6.8
1,1,2-Trichlorotrifluoroethan	7.5
Acetone	14.3
Iodomethane	19.6
Carbon disulfide	9.2
Methylene chloride	4.1
t-Butanol	5.8
Acrylonitrile	8.7
trans-1,2-Dichloroethene	5.5
Methyl-tert-butyl ether[MTBE]	3.8
1,1-Dichloroethane (**)	5.4
Vinyl acetate	5.0
Isopropyl ether	6.9
Tert-butyl ethyl ether	4.1
2,2-Dichloropropane	7.4
cis-1,2-Dichloroethene	5.4
2-Butanone	9.1
1,2-Dichloroethene (total)	5.4
Bromochloromethane	5.3
Tetrahydrofuran	10.6
Chloroform (*)	5.1
Dibromofluoromethane	9.9
1,1,1-Trichloroethane	6.7
Carbon Tetrachloride	7.9
1,1-Dichloropropene	8.7
1,2-Dichloroethane-d4	7.0
1,2-Dichloroethane-d4 2nd	40.0
Benzene	6.3
1,2-Dichloroethane	5.0
Tert-amyl methyl ether	5.7
Trichloroethene	5.5
1,2-Dichloropropane(*)	4.8

Data File: \\SANP2007\D\chem\mh.I\1013AH.B/HS2193.D
Report Date: 10/13/2000

INITIAL CALIBRATION REPORT

Instrument ID: mh.i
Lab File ID: HS2193.D
Analysis Type: WATER

Injection Date: 13-OCT-2000 15:24
Lab Sample ID: 100 PPB 8260B STD
Method File: \\SANP2007\D\chem\mh.I\1013AH.B\

COMPOUND	%RSD
Dibromomethane	6.2
Bromodichloromethane	4.7
1-Bromo-2-chloroethane	5.9
2-Chloroethylvinyl ether	18.4
cis-1,3-Dichloropropene	7.4
4-Methyl-2-pentanone	7.4
Toluene-d8	7.8
Toluene (*)	6.5
trans-1,3-Dichloropropene	19.6
1,1,2-Trichloroethane	8.1
Tetrachloroethene	9.1
1,3-Dichloropropane	7.6
2-Hexanone	6.9
Dibromochloromethane	6.8
1,2-Dibromoethane	7.6
Chlorobenzene (**)	4.5
1,1,1,2-Tetrachloroethane	6.3
Ethylbenzene (*)	5.8
m,p-Xylenes	6.8
Xylenes (total)	6.5
o-Xylene	6.3
Styrene	5.8
Bromoform (**)	7.9
Isopropylbenzene	5.4
4-Bromofluorobenzene-2nd	7.7
4-Bromofluorobenzene	7.8
Bromobenzene	7.7
1,1,2,2-Tetrachloroethane(**)	3.0
1,2,3-Trichloropropane	23.9
n-Propylbenzene	8.6
2-Chlorotoluene	3.8
4-Chlorotoluene	4.6
1,3,5-Trimethylbenzene	5.2
tert-Butylbenzene	4.9
1,2,4-Trimethylbenzene	4.5
sec-Butylbenzene	5.0
1,3-Dichlorobenzene	2.9
p-Isopropyltoluene	5.6
1,4-Dichlorobenzene	6.1

Data File: \\SANP2007\D\chem\mh.I\1013AH.B/HS2193.D
Report Date: 10/13/2000

INITIAL CALIBRATION REPORT

Instrument ID: mh.i
Lab File ID: HS2193.D
Analysis Type: WATER

Injection Date: 13-OCT-2000 15:24
Lab Sample ID: 100 PPB 8260B STD
Method File: \\SANP2007\D\chem\mh.I\1013AH.B\

COMPOUND	%RSD
1,2-Dichlorobenzene	3.8
n-Butylbenzene	5.3
1,2-Dibromo-3-chloropropane	8.1
1,2,4-Trichlorobenzene	7.1
Hexachlorobutadiene	10.0
Napthalene	6.5
1,2,3-Trichlorobenzene	4.7

The average of all %RSD's in the initial calibration is 8.0

10-13-00

10/13/2000

Data File: \\SANP2007\D\CHEM\MH.I\1013AH.B\HT1147.D

Date : 13-OCT-2000 09:22

Client ID:

Instrument: mh.i

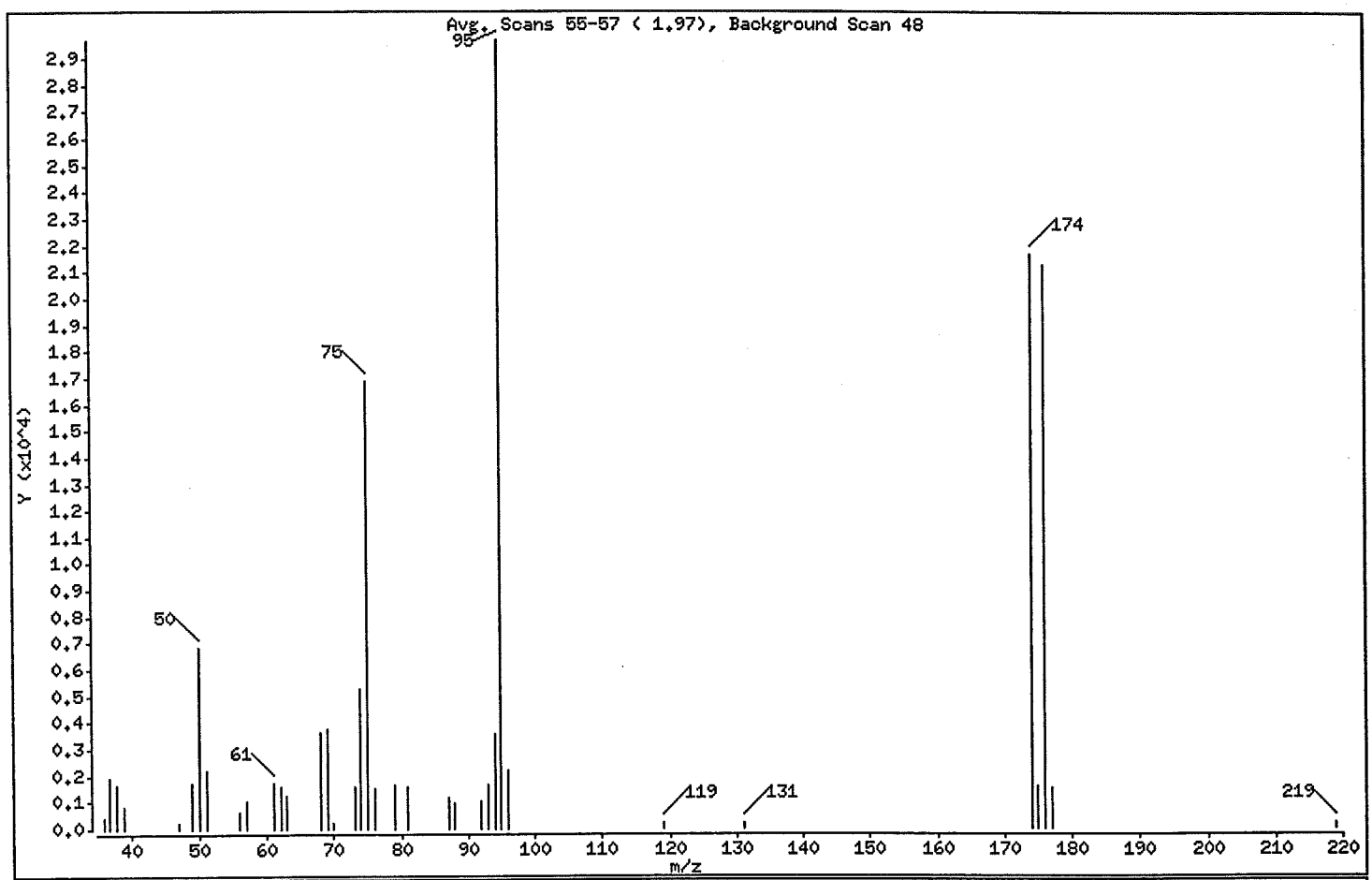
Sample Info: 50NG BFB,BFB,,,,,,BFB.M

Operator: RRT

Column phase: J&W DB-624

Column diameter: 0.53

1 Bromofluorobenzene



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	23.09
75	30.00 - 60.00% of mass 95	56.73
96	5.00 - 9.00% of mass 95	7.32
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	72.91
175	5.00 - 9.00% of mass 174	5.18 (7.10)
176	95.00 - 101.00% of mass 174	71.58 (98.17)
177	5.00 - 9.00% of mass 176	5.01 (7.00)

10-13-00

000303

BOE-C6-0173796

STL Los Angeles

Data file : \\SANP2007\D\CHEM\MH.I\1013AH.B\HT1147.D
Lab Smp Id:
Inj Date : 13-OCT-2000 09:22
Operator : RRT Inst ID: mh.i
Smp Info : 50NG BFB,BFB,,,,,,BFB.M
Misc Info : 1UL MSVOA1198-1,,,3,ALL.SUB
Comment :
Method : \\SANP2007\D\CHEM\MH.I\1013AH.B\BFB.M
Meth Date : 23-May-2000 08:16 gradyc Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.00 Sample Matrix: WATER
Processing Host: SANP2007

Concentration Formula: Amt * DF * Uf * Vf * VI

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
VI	1.000	Injection Volume

RT	EXP RT	(REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/L)	TARGET RANGE	RATIO
1 Bromofluorobenzene						CAS #: 460-00-4		
1.9681	1.8000	(0.000)	95	29693			0.00- 100.00	100.00
1.9681	1.8000	(0.000)	50	6855			15.00- 40.00	23.09
1.9681	1.8000	(0.000)	75	16846			30.00- 60.00	56.73
1.9681	1.8000	(0.000)	96	2174			5.00- 9.00	7.32
1.9681	1.8000	(0.000)	173	0			0.00- 2.00	0.00
1.9681	1.8000	(0.000)	174	21650			50.00- 0.00	72.91
1.9681	1.8000	(0.000)	175	1538			5.00- 9.00	7.10
1.9681	1.8000	(0.000)	176	21253			95.00- 101.00	98.17
1.9681	1.8000	(0.000)	177	1488			5.00- 9.00	7.00

Data File: \\SANP2007\D\CHEM\MH.I\1013AH.B\HT1147.D

Date : 13-OCT-2000 09:22

Client ID:

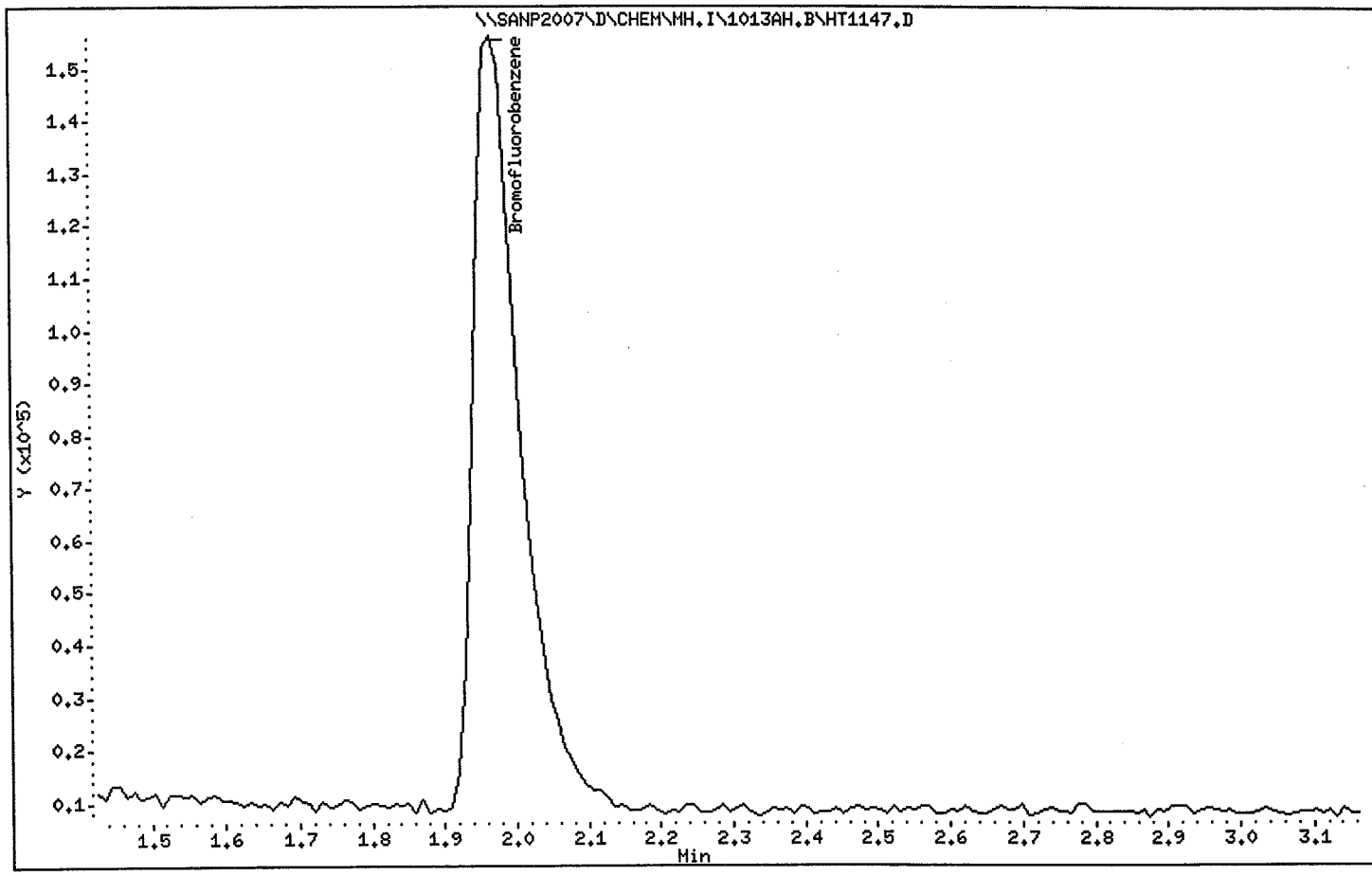
Instrument: mh.i

Sample Info: 50NG BFB,BFB,,,,,,BFB.M

Operator: RRT

Column phase: J&W DB-624

Column diameter: 0.53



Data File: \\SANP2007\D\CHEM\MH.I\1013AH.B\HT1147.D

Date : 13-OCT-2000 09:22

Client ID:

Instrument: mh.i

Sample Info: 50NG BFB,BFB,,,,,,BFB.M

Operator: RRT

Column phase: J&W DB-624

Column diameter: 0.53

Data File: HT1147.D

Spectrum: Avg. Scans 55-57 (1.97), Background Scan 48

Location of Maximum: 95.00

Number of points: 36

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	379	61.00	1725	79.00	1626	131.00	213
37.00	1921	62.00	1548	81.00	1575	174.00	21648
38.00	1655	63.00	1213	87.00	1190	175.00	1538
39.00	806	68.00	3623	88.00	979	176.00	21248
47.00	188	69.00	3759	92.00	996	177.00	1488
49.00	1701	70.00	212	93.00	1671	219.00	173
50.00	6855	73.00	1601	94.00	3550		
51.00	2170	74.00	5238	95.00	29688		
56.00	610	75.00	16840	96.00	2174		
57.00	1007	76.00	1535	119.00	207		

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mh.i
Lab File ID: HS2186.D
Lab Smp Id: 10 PPB 8260B STD
Analysis Type: VOA
Quant Type: ISTD
Operator: RRT
Method File: \\SANP2007\D\chem\mh.I\1013AH.B\8260BHL.M
Misc Info: ,25,,,1,1-8260B.SUB

Calibration Date: 13-OCT-2000
Calibration Time: 10:30

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	885281	442641	1770562	885281	0.00
56 Chlorobenzene-d5	582600	291300	1165200	582600	0.00
79 1,4-Dichlorobenze	373110	186555	746220	373110	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	7.61	7.11	8.11	7.61	0.00
56 Chlorobenzene-d5	13.08	12.58	13.58	13.08	0.00
79 1,4-Dichlorobenze	17.72	17.22	18.22	17.72	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mh.i
Lab File ID: HS2188.D
Lab Smp Id: 0.5 PPB 8260B STD
Analysis Type: VOA
Quant Type: ISTD
Operator: RRT
Method File: \\SANP2007\D\chem\mh.I\1013AH.B\8260BHL.M
Misc Info: ,25,,,1,1-8260B.SUB

Calibration Date: 13-OCT-2000
Calibration Time: 10:30

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	885281	442641	1770562	777620	-12.16
56 Chlorobenzene-d5	582600	291300	1165200	580755	-0.32
79 1,4-Dichlorobenze	373110	186555	746220	341537	-8.46

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	7.61	7.11	8.11	7.61	-0.05
56 Chlorobenzene-d5	13.08	12.58	13.58	13.09	0.04
79 1,4-Dichlorobenze	17.72	17.22	18.22	17.73	0.03

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mh.i
Lab File ID: HS2189.D
Lab Smp Id: 1.0 PPB 8260B STD
Analysis Type: VOA
Quant Type: ISTD
Operator: RRT
Method File: \\SANP2007\D\chem\mh.I\1013AH.B\8260BHL.M
Misc Info: ,25,,,1,1-8260B.SUB

Calibration Date: 13-OCT-2000
Calibration Time: 10:30

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	885281	442641	1770562	865009	-2.29
56 Chlorobenzene-d5	582600	291300	1165200	613124	5.24
79 1,4-Dichlorobenze	373110	186555	746220	370825	-0.61

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	7.61	7.11	8.11	7.62	0.14
56 Chlorobenzene-d5	13.08	12.58	13.58	13.10	0.16
79 1,4-Dichlorobenze	17.72	17.22	18.22	17.72	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mh.i
Lab File ID: HS2190.D
Lab Smp Id: 2.5 PPB 8260B STD
Analysis Type: VOA
Quant Type: ISTD
Operator: RRT
Method File: \\SANP2007\D\chem\mh.I\1013AH.B\8260BHL.M
Misc Info: ,25,,,1,1-8260B.SUB

Calibration Date: 13-OCT-2000
Calibration Time: 10:30

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	885281	442641	1770562	957057	8.11
56 Chlorobenzene-d5	582600	291300	1165200	673526	15.61
79 1,4-Dichlorobenze	373110	186555	746220	412788	10.63

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	7.61	7.11	8.11	7.61	0.06
56 Chlorobenzene-d5	13.08	12.58	13.58	13.10	0.11
79 1,4-Dichlorobenze	17.72	17.22	18.22	17.71	-0.03

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mh.i
Lab File ID: HS2191.D
Lab Smp Id: 5 PPB 8260B STD
Analysis Type: VOA
Quant Type: ISTD
Operator: RRT
Method File: \\SANP2007\D\chem\mh.I\1013AH.B\8260BHL.M
Misc Info: ,25,,,1,1-8260B.SUB

Calibration Date: 13-OCT-2000
Calibration Time: 10:30

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	885281	442641	1770562	939524	6.13
56 Chlorobenzene-d5	582600	291300	1165200	651383	11.81
79 1,4-Dichlorobenze	373110	186555	746220	415067	11.25

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	7.61	7.11	8.11	7.63	0.20
56 Chlorobenzene-d5	13.08	12.58	13.58	13.10	0.12
79 1,4-Dichlorobenze	17.72	17.22	18.22	17.73	0.03

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mh.i
Lab File ID: HS2192.D
Lab Smp Id: 50 PPB 8260B STD
Analysis Type: VOA
Quant Type: ISTD
Operator: RRT
Method File: \\SANP2007\D\chem\mh.I\1013AH.B\8260BHL.M
Misc Info: ,25,,,1,1-8260B.SUB

Calibration Date: 13-OCT-2000
Calibration Time: 10:30

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	885281	442641	1770562	754431	-14.78
56 Chlorobenzene-d5	582600	291300	1165200	518704	-10.97
79 1,4-Dichlorobenze	373110	186555	746220	333143	-10.71

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	7.61	7.11	8.11	7.61	0.04
56 Chlorobenzene-d5	13.08	12.58	13.58	13.11	0.17
79 1,4-Dichlorobenze	17.72	17.22	18.22	17.73	0.07

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mh.i
Lab File ID: HS2193.D
Lab Smp Id: 100 PPB 8260B STD
Analysis Type: VOA
Quant Type: ISTD
Operator: RRT
Method File: \\SANP2007\D\chem\mh.I\1013AH.B\8260BHL.M
Misc Info: ,25,,,1,1-8260B.SUB

Calibration Date: 13-OCT-2000
Calibration Time: 10:30

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	885281	442641	1770562	1013387	14.47
56 Chlorobenzene-d5	582600	291300	1165200	698026	19.81
79 1,4-Dichlorobenze	373110	186555	746220	431214	15.57

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	7.61	7.11	8.11	7.61	0.01
56 Chlorobenzene-d5	13.08	12.58	13.58	13.10	0.15
79 1,4-Dichlorobenze	17.72	17.22	18.22	17.73	0.06

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2007\D\chem\mh.I\1013AH.B\HS2186.D
Lab Smp Id: 10 PPB 8260B STD
Inj Date : 13-OCT-2000 10:30
Operator : RRT Inst ID: mh.i
Smp Info : 10 PPB 8260B STD,,,3,0,,,8260BHL.M
Misc Info : ,25,,,1,1-8260B.SUB
Comment :
Method : \\SANP2007\D\chem\mh.I\1013AH.B\8260BHL.M
Meth Date : 13-Oct-2000 16:06 DONGA Quant Type: ISTD
Cal Date : 13-OCT-2000 10:30 Cal File: HS2186.D
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2007

Concentration Formula: Amt * DF * Uf * Vod/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Fctor
Vod	25.000	Default Sample Volume
Vo	25.000	Sample Volume

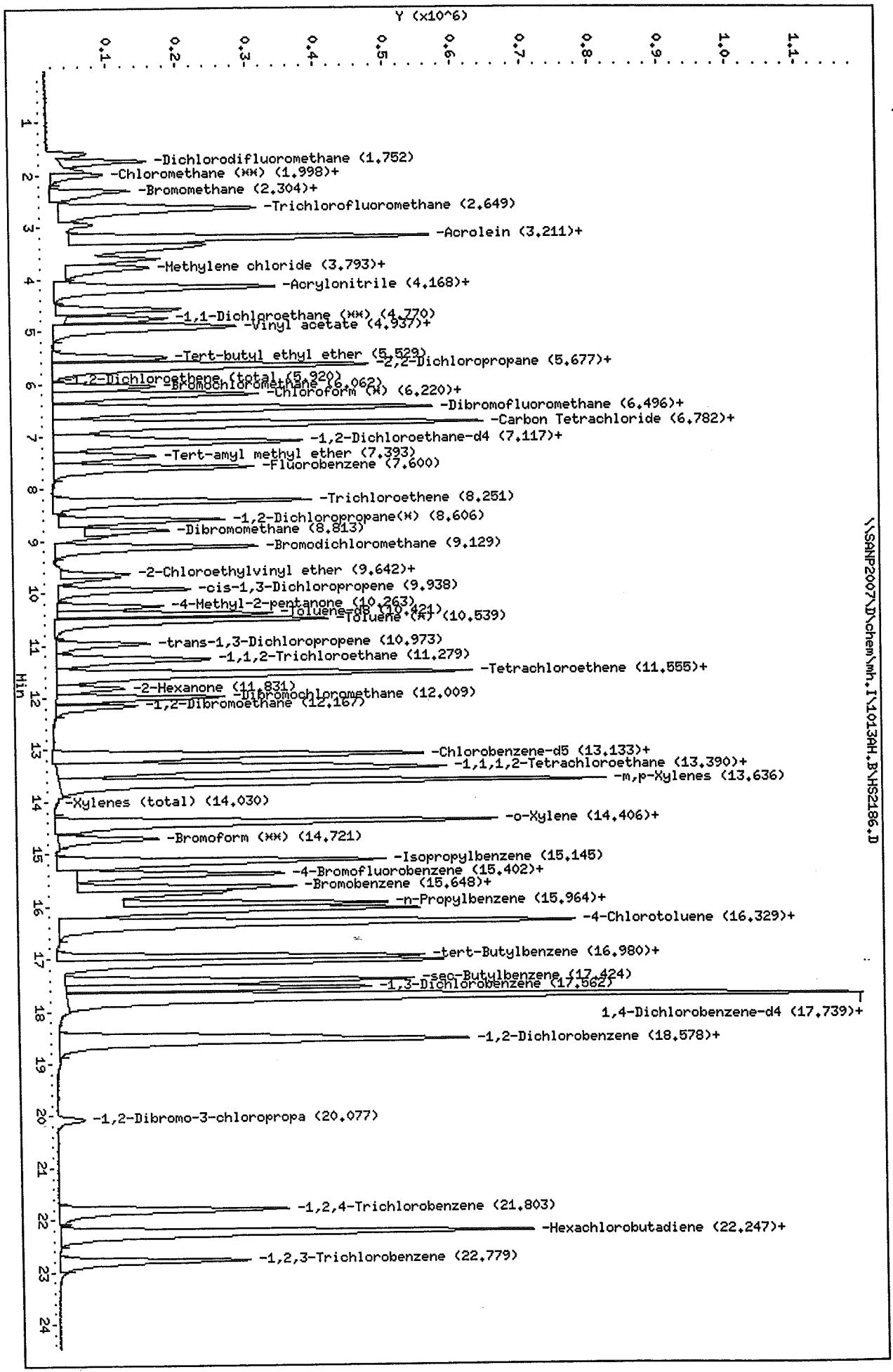
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.752	1.752	(0.230)	438825	10.0000	10.00
2 Chloromethane (**)	50	1.939	1.940	(0.255)	191056	10.0000	10.00
3 Vinyl chloride (*)	62	2.008	2.009	(0.264)	200807	10.0000	10.00
4 Bromomethane	94	2.304	2.304	(0.303)	257148	10.0000	10.00
5 Chloroethane	64	2.403	2.393	(0.316)	117430	10.0000	10.00
6 Trichlorofluoromethane	101	2.669	2.669	(0.351)	760959	10.0000	10.00
10 Acrolein	56	3.083	3.094	(0.405)	48294	100.000	100.0
8 1,1-Dichloroethene(*)	96	3.201	3.212	(0.421)	228394	10.0000	10.00
9 1,1,2-Trichlorotrifluoroethan	151	3.231	3.222	(0.425)	418746	10.0000	10.00
11 Iodomethane	142	3.369	3.380	(0.443)	739723	20.0000	20.00
7 Acetone	43	3.271	3.281	(0.430)	81427	50.0000	50.00
12 Carbon disulfide	76	3.458	3.458	(0.454)	767328	10.0000	10.00
13 Methylene chloride	84	3.793	3.794	(0.498)	229089	10.0000	10.00
14 Acrylonitrile	53	4.109	4.139	(0.540)	131518	100.000	100.0
15 t-Butanol	59	3.981	4.050	(0.523)	19798	40.0000	40.00

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	19 Vinyl acetate	43	4.918	4.918	(0.646)	802101	20.0000	20.00
	16 trans-1,2-Dichloroethene	96	4.168	4.188	(0.548)	300354	10.0000	10.00
	17 Methyl-tert-butyl ether[MTBE]	73	4.188	4.218	(0.550)	339532	10.0000	10.00
	18 1,1-Dichloroethane (**)	63	4.770	4.800	(0.627)	526633	10.0000	10.00
	20 Isopropyl ether	45	4.957	4.977	(0.651)	818694	10.0000	10.00
	21 Tert-butyl ethyl ether	59	5.519	5.539	(0.725)	622782	10.0000	10.00
M	25 1,2-Dichloroethene (total)	100				617855	20.0000	20.00
	22 2,2-Dichloropropane	77	5.667	5.697	(0.745)	569340	10.0000	10.00
	23 cis-1,2-Dichloroethene	96	5.687	5.707	(0.747)	317501	10.0000	10.00
	24 2-Butanone	43	5.726	5.756	(0.752)	149356	50.0000	50.00
	27 Bromochloromethane	128	6.052	6.082	(0.795)	155931	10.0000	10.00
	28 Chloroform (*)	83	6.229	6.240	(0.819)	746903	10.0000	10.00
	26 Tetrahydrofuran	42	6.151	6.181	(0.808)	20701	10.0000	10.00
$	29 Dibromofluoromethane	111	6.496	6.496	(0.854)	575089	10.0000	10.00
	30 1,1,1-Trichloroethane	97	6.506	6.516	(0.855)	751085	10.0000	10.00
	31 Carbon Tetrachloride	117	6.782	6.792	(0.891)	776457	10.0000	10.00
	32 1,1-Dichloropropene	75	6.792	6.802	(0.892)	505693	10.0000	10.00
$	33 1,2-Dichloroethane-d4	65	7.018	7.029	(0.922)	249621	10.0000	10.00
	34 1,2-Dichloroethane-d4 2nd	102	7.009	7.039	(0.921)	44676	10.0000	10.00
	35 Benzene	78	7.117	7.137	(0.935)	780525	10.0000	10.00
	36 1,2-Dichloroethane	62	7.137	7.167	(0.938)	324683	10.0000	10.00
	37 Tert-amyl methyl ether	73	7.393	7.404	(0.971)	449038	10.0000	10.00
*	38 Fluorobenzene	96	7.610	7.611	(1.000)	885281	10.0000	
	39 Trichloroethene	130	8.251	8.262	(1.084)	445610	10.0000	10.00
	40 1,2-Dichloropropane(*)	63	8.606	8.627	(1.131)	317994	10.0000	10.00
	41 Dibromomethane	93	8.813	8.814	(1.158)	236197	10.0000	10.00
	42 Bromodichloromethane	83	9.139	9.139	(1.201)	660615	10.0000	10.00
	44 2-Chloroethylvinyl ether	106	9.731	9.741	(1.279)	24501	20.0000	20.00
	43 1-Bromo-2-chloroethane	63	9.652	9.652	(1.268)	408324	10.0000	10.00
	45 cis-1,3-Dichloropropene	75	9.938	9.958	(1.306)	404619	10.0000	10.00
	46 4-Methyl-2-pentanone	43	10.263	10.283	(1.349)	507280	50.0000	50.00
$	47 Toluene-d8	98	10.421	10.441	(0.796)	688331	10.0000	10.00
	48 Toluene (*)	91	10.539	10.560	(0.806)	955793	10.0000	10.00
	49 trans-1,3-Dichloropropene	75	10.973	10.994	(0.839)	291653	10.0000	10.00
	50 1,1,2-Trichloroethane	97	11.289	11.309	(0.863)	187449	10.0000	10.00
	51 Tetrachloroethene	164	11.555	11.575	(0.883)	423428	10.0000	10.00
	52 1,3-Dichloropropane	76	11.595	11.605	(0.886)	293407	10.0000	10.00
	53 2-Hexanone	43	11.822	11.842	(0.904)	319839	50.0000	50.00
	54 Dibromochloromethane	129	12.009	12.029	(0.918)	468941	10.0000	10.00
	55 1,2-Dibromoethane	107	12.177	12.187	(0.931)	281135	10.0000	10.00
*	56 Chlorobenzene-d5	117	13.084	13.104	(1.000)	582600	10.0000	
	57 Chlorobenzene (**)	112	13.133	13.163	(1.004)	678334	10.0000	10.00
	58 1,1,1,2-Tetrachloroethane	131	13.331	13.341	(1.019)	397191	10.0000	10.00
	59 Ethylbenzene (*)	106	13.400	13.430	(1.024)	308964	10.0000	10.00
	60 m,p-Xylenes	106	13.636	13.676	(1.042)	817443	20.0000	20.00
M	61 Xylenes (total)	100				1191868	30.0000	30.00
	62 o-Xylene	106	14.396	14.416	(1.100)	374425	10.0000	10.00

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
63 Styrene	104	14.425	14.455	(1.103)	582611	10.0000	10.00
64 Bromoform (**)	173	14.731	14.751	(1.126)	258133	10.0000	10.00
65 Isopropylbenzene	105	15.145	15.166	(1.158)	1254439	10.0000	10.00
$ 66 4-Bromofluorobenzene	95	15.402	15.432	(1.177)	475258	10.0000	10.00
67 4-Bromofluorobenzene-2nd	174	15.412	15.432	(1.178)	352071	10.0000	10.00
68 Bromobenzene	156	15.648	15.678	(0.883)	377609	10.0000	10.00
69 1,1,2,2-Tetrachloroethane(**)	83	15.747	15.767	(0.889)	226195	10.0000	10.00
70 1,2,3-Trichloropropane	110	15.796	15.816	(0.891)	56482	10.0000	10.00
71 n-Propylbenzene	91	15.974	15.994	(0.901)	1459472	10.0000	10.00
72 2-Chlorotoluene	126	16.072	16.103	(0.907)	293834	10.0000	10.00
73 4-Chlorotoluene	126	16.299	16.320	(0.920)	312471	10.0000	10.00
74 1,3,5-Trimethylbenzene	105	16.339	16.379	(0.922)	1063740	10.0000	10.00
75 tert-Butylbenzene	119	16.980	17.000	(0.958)	1132156	10.0000	10.00
76 1,2,4-Trimethylbenzene	105	17.079	17.109	(0.964)	1041722	10.0000	10.00
77 sec-Butylbenzene	105	17.424	17.454	(0.983)	1406545	10.0000	10.00
78 1,3-Dichlorobenzene	146	17.572	17.602	(0.992)	630076	10.0000	10.00
* 79 1,4-Dichlorobenzene-d4	152	17.720	17.730	(1.000)	373110	10.0000	
80 p-Isopropyltoluene	119	17.739	17.779	(1.001)	1253271	10.0000	10.00
81 1,4-Dichlorobenzene	146	17.759	17.789	(1.002)	703870	10.0000	10.00
82 1,2-Dichlorobenzene	146	18.479	18.509	(1.043)	536470	10.0000	10.00
83 n-Butylbenzene	91	18.578	18.608	(1.048)	1284236	10.0000	10.00
84 1,2-Dibromo-3-chloropropane	157	20.077	20.107	(1.133)	46873	10.0000	10.00
85 1,2,4-Trichlorobenzene	180	21.813	21.843	(1.231)	451821	10.0000	10.00
86 Hexachlorobutadiene	225	22.247	22.277	(1.255)	496055	10.0000	10.00
87 Napthalene	128	22.276	22.306	(1.257)	337606	10.0000	10.00
88 1,2,3-Trichlorobenzene	180	22.789	22.819	(1.286)	342674	10.0000	10.00

Data File: \\SANP2007\D\chem\mh.I\1013AH.B\HS2186.D
Date : 13-OCT-2000 10:30
Client ID:
Sample Info: 10 PPB 8260B STD,,,3.0,,,8260BHL.H
Purge Volume: 25.0
Column phase: J&W DB-624

Instrument: mh.i
Operator: RRT
Column diameter: 0.53



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2007\D\chem\mh.I\1013AH.B\HS2188.D
Lab Smp Id: 0.5 PPB 8260B STD
Inj Date : 13-OCT-2000 12:51
Operator : RRT Inst ID: mh.i
Smp Info : 0.5 PPB 8260B STD,,,6,0,,,8260BHL.M
Misc Info : ,25,,,1,1-8260B.SUB
Comment :
Method : \\SANP2007\D\chem\mh.I\1013AH.B\8260BHL.M
Meth Date : 13-Oct-2000 16:06 DONGA Quant Type: ISTD
Cal Date : 13-OCT-2000 12:51 Cal File: HS2188.D
Als bottle: 3 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2007

Concentration Formula: Amt * DF * Uf * Vod/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Fctor
Vod	25.000	Default Sample Volume
Vo	25.000	Sample Volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.748	1.752	(0.230)	13871	0.50000	0.360(a)
2 Chloromethane (**)	50	1.945	1.940	(0.256)	6777	0.50000	0.404(a)
3 Vinyl chloride (*)	62	2.004	2.009	(0.263)	9790	0.50000	0.526(M)
4 Bromomethane	94	2.320	2.304	(0.305)	11027	0.50000	0.488(a)
5 Chloroethane	64	2.399	2.393	(0.315)	2171	0.50000	0.210(a)
6 Trichlorofluoromethane	101	2.675	2.669	(0.352)	33759	0.50000	0.505(a)
8 1,1-Dichloroethene(*)	96	3.197	3.212	(0.420)	9340	0.50000	0.466(a)
9 1,1,2-Trichlorotrifluoroethan	151	3.227	3.222	(0.424)	17981	0.50000	0.489(a)
11 Iodomethane	142	3.355	3.380	(0.441)	15148	0.50000	0.466(a)
7 Acetone	43	3.276	3.281	(0.431)	4631	0.50000	3.24(a)
12 Carbon disulfide	76	3.454	3.458	(0.454)	32270	0.50000	0.479(a)
13 Methylene chloride	84	3.789	3.794	(0.498)	9636	0.50000	0.479(a)
14 Acrylonitrile	53	4.125	4.139	(0.542)	3458	0.50000	2.99(a)
19 Vinyl acetate	43	4.914	4.918	(0.646)	36297	0.50000	1.03(a)
16 trans-1,2-Dichloroethene	96	4.184	4.188	(0.550)	8551	0.50000	0.324(a)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	18 1,1-Dichloroethane (**)	63	4.785	4.800	(0.629)	20947	0.50000	0.453(a)
	20 Isopropyl ether	45	4.963	4.977	(0.652)	35394	0.50000	0.492(a)
	21 Tert-butyl ethyl ether	59	5.535	5.539	(0.728)	24366	0.50000	0.445(a)
M	25 1,2-Dichloroethene (total)	100				19879	0.50000	0.730(a)
	22 2,2-Dichloropropane	77	5.683	5.697	(0.747)	21934	0.50000	0.438(a)
	23 cis-1,2-Dichloroethene	96	5.693	5.707	(0.748)	11328	0.50000	0.406(a)
	24 2-Butanone	43	5.693	5.756	(0.748)	3865	0.50000	1.47(a)
	27 Bromochloromethane	128	6.068	6.082	(0.798)	4959	0.50000	0.362(a)
	28 Chloroform (*)	83	6.235	6.240	(0.820)	33500	0.50000	0.511
$	29 Dibromofluoromethane	111	6.482	6.496	(0.852)	24979	0.50000	0.494(a)
	30 1,1,1-Trichloroethane	97	6.521	6.516	(0.857)	28292	0.50000	0.429(a)
	31 Carbon Tetrachloride	117	6.797	6.792	(0.894)	29212	0.50000	0.461(a)
	32 1,1-Dichloropropene	75	6.778	6.802	(0.891)	9271	0.50000	0.209(a)
	35 Benzene	78	7.123	7.137	(0.936)	29994	0.50000	0.437(a)
	36 1,2-Dichloroethane	62	7.152	7.167	(0.940)	13626	0.50000	0.489(a)
	37 Tert-amyl methyl ether	73	7.360	7.404	(0.968)	5685	0.50000	0.144(a)
*	38 Fluorobenzene	96	7.606	7.611	(1.000)	777620	10.0000	
	39 Trichloroethene	130	8.267	8.262	(1.087)	17466	0.50000	0.446(a)
	40 1,2-Dichloropropane(*)	63	8.602	8.627	(1.131)	13703	0.50000	0.490(a)
	41 Dibromomethane	93	8.819	8.814	(1.159)	7163	0.50000	0.345(a)
	42 Bromodichloromethane	83	9.135	9.139	(1.201)	26713	0.50000	0.460(a)
	45 cis-1,3-Dichloropropene	75	9.944	9.958	(1.307)	14754	0.50000	0.454(a)
	46 4-Methyl-2-pentanone	43	10.269	10.283	(1.350)	10307	0.50000	1.16(a)
$	47 Toluene-d8	98	10.407	10.441	(0.795)	15228	0.50000	0.222(a)
	48 Toluene (*)	91	10.545	10.560	(0.806)	34911	0.50000	0.366(a)
	49 trans-1,3-Dichloropropene	75	10.999	10.994	(0.840)	8346	0.50000	0.365(a)
	50 1,1,2-Trichloroethane	97	11.305	11.309	(0.864)	6142	0.50000	0.329(a)
	51 Tetrachloroethene	164	11.551	11.575	(0.882)	14676	0.50000	0.348(a)
	52 1,3-Dichloropropane	76	11.571	11.605	(0.884)	11385	0.50000	0.389(a)
	53 2-Hexanone	43	11.837	11.842	(0.904)	11468	0.50000	1.80(a)
	54 Dibromochloromethane	129	12.005	12.029	(0.917)	16868	0.50000	0.361(a)
	55 1,2-Dibromoethane	107	12.183	12.187	(0.931)	8450	0.50000	0.302(a)
*	56 Chlorobenzene-d5	117	13.090	13.104	(1.000)	580755	10.0000	
	57 Chlorobenzene (**)	112	13.149	13.163	(1.005)	24471	0.50000	0.362(a)
	58 1,1,1,2-Tetrachloroethane	131	13.336	13.341	(1.019)	9688	0.50000	0.245(a)
	59 Ethylbenzene (*)	106	13.396	13.430	(1.023)	12266	0.50000	0.398(a)
	60 m,p-Xylenes	106	13.642	13.676	(1.042)	33618	0.50000	0.825(a)
M	61 Xylenes (total)	100				46754	0.50000	1.18
	62 o-Xylene	106	14.392	14.416	(1.099)	13136	0.50000	0.352(a)
	63 Styrene	104	14.431	14.455	(1.102)	21486	0.50000	0.370(a)
	64 Bromoform (**)	173	14.747	14.751	(1.127)	9382	0.50000	0.365(a)
	65 Isopropylbenzene	105	15.151	15.166	(1.157)	51846	0.50000	0.415(a)
$	66 4-Bromofluorobenzene	95	15.408	15.432	(1.177)	14018	0.50000	0.296(a)
	67 4-Bromofluorobenzene-2nd	174	15.418	15.432	(1.178)	14736	0.50000	0.420(a)
	68 Bromobenzene	156	15.654	15.678	(0.883)	11382	0.50000	0.329(a)
	69 1,1,2,2-Tetrachloroethane(**)	83	15.763	15.767	(0.889)	8316	0.50000	0.402(a)
	71 n-Propylbenzene	91	15.990	15.994	(0.902)	55804	0.50000	0.418(a)

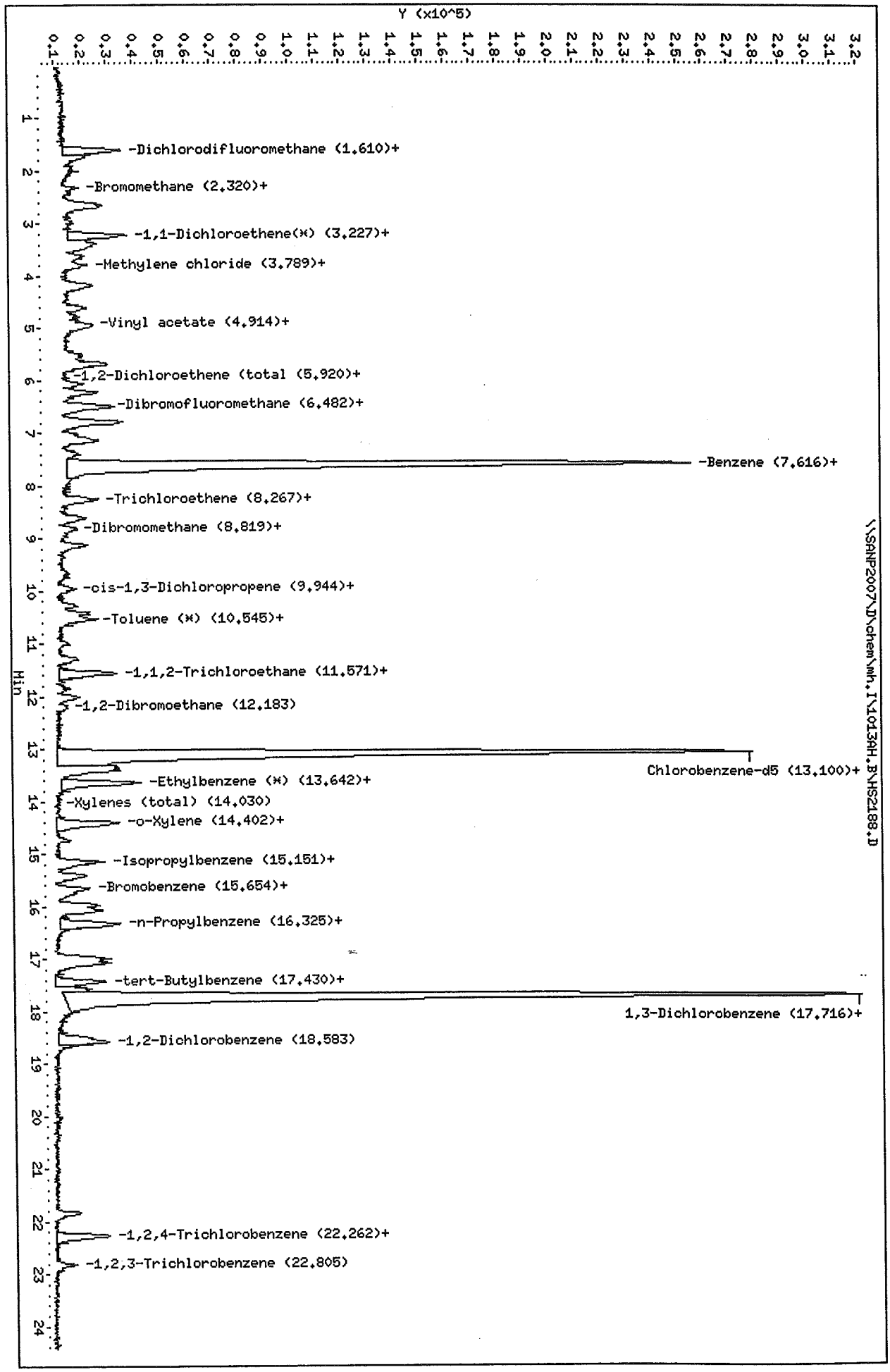
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
72 2-Chlorotoluene	126	16.078	16.103	(0.907)	11349	0.50000	0.422(a)
73 4-Chlorotoluene	126	16.305	16.320	(0.920)	10412	0.50000	0.364(a)
74 1,3,5-Trimethylbenzene	105	16.325	16.379	(0.921)	46106	0.50000	0.474(a)
75 tert-Butylbenzene	119	16.986	17.000	(0.958)	42825	0.50000	0.413(a)
76 1,2,4-Trimethylbenzene	105	17.084	17.109	(0.964)	45092	0.50000	0.473(a)
77 sec-Butylbenzene	105	17.430	17.454	(0.983)	63268	0.50000	0.491(a)
78 1,3-Dichlorobenzene	146	17.587	17.602	(0.992)	24874	0.50000	0.431(a)
* 79 1,4-Dichlorobenzene-d4	152	17.725	17.730	(1.000)	341537	10.0000	
80 p-Isopropyltoluene	119	17.745	17.779	(1.001)	51550	0.50000	0.449(a)
81 1,4-Dichlorobenzene	146	17.785	17.789	(1.003)	29617	0.50000	0.460(a)
82 1,2-Dichlorobenzene	146	18.485	18.509	(1.043)	22277	0.50000	0.454(a)
85 1,2,4-Trichlorobenzene	180	21.828	21.843	(1.231)	7363	0.50000	0.178(a)
86 Hexachlorobutadiene	225	22.272	22.277	(1.257)	18453	0.50000	0.406(a)
87 Napthalene	128	22.302	22.306	(1.258)	11740	0.50000	0.380(a)
88 1,2,3-Trichlorobenzene	180	22.805	22.819	(1.287)	12046	0.50000	0.384(a)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

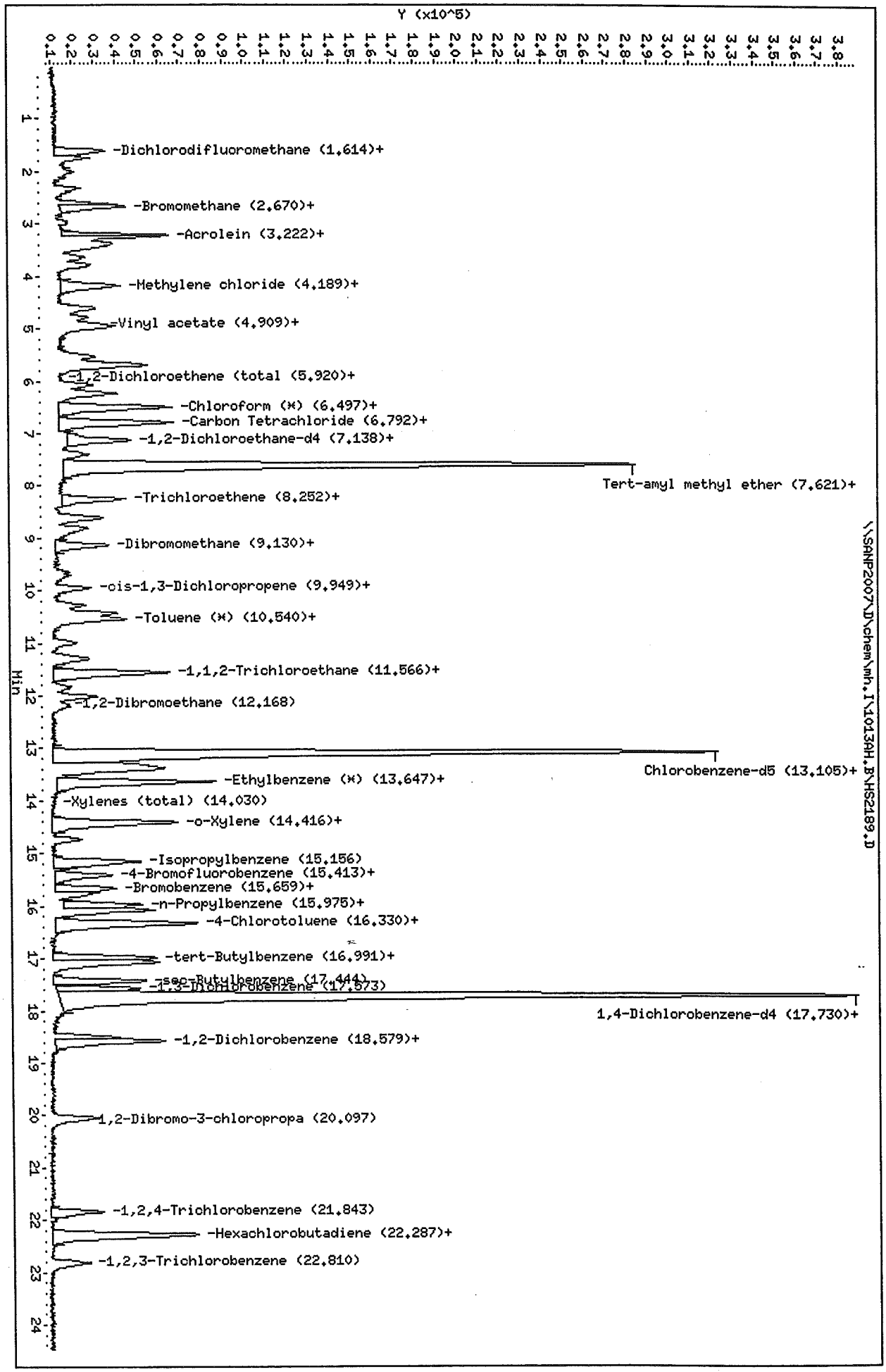
Data File: \\SANP2007\D\chem\mh.I\1013AH.B\HS2188.D
Date : 13-OCT-2000 12:51
Client ID:
Sample Info: 0.5 PPB 8260B STD,,6.0,,8260BHL.M
Purge Volume: 25.0
Column phase: J&W DB-624

Instrument: mh.i
Operator: RRT
Column diameter: 0.53



Data File: \\SANP2007\D\chem\mh.I\1013AH.B\HS2189.D
Date : 13-OCT-2000 13:22
Client ID:
Sample Info: 1.0 PPB 8260B STD,,,1.0,,,8260BHL.M
Purge Volume: 25.0
Column phase: J&W DB-624

Instrument: mh.i
Operator: RRT
Column diameter: 0.53



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2007\D\chem\mh.I\1013AH.B\HS2189.D
Lab Smp Id: 1.0 PPB 8260B STD
Inj Date : 13-OCT-2000 13:22
Operator : RRT Inst ID: mh.i
Smp Info : 1.0 PPB 8260B STD,,,1,0,,,8260BHL.M
Misc Info : ,25,,,1,1-8260B.SUB
Comment :
Method : \\SANP2007\D\chem\mh.I\1013AH.B\8260BHL.M
Meth Date : 13-Oct-2000 16:06 DONGA Quant Type: ISTD
Cal Date : 13-OCT-2000 13:22 Cal File: HS2189.D
Als bottle: 4 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2007

Concentration Formula: Amt * DF * Uf * Vod/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Fctor
Vod	25.000	Default Sample Volume
Vo	25.000	Sample Volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.743	1.752	(0.229)	31149	1.00000	0.842(a)
2 Chloromethane (**)	50	1.930	1.940	(0.253)	16790	1.00000	0.947(a)
3 Vinyl chloride (*)	62	2.019	2.009	(0.265)	18237	1.00000	0.881
4 Bromomethane	94	2.305	2.304	(0.302)	19996	1.00000	0.886(a)
5 Chloroethane	64	2.404	2.393	(0.315)	10882	1.00000	0.974(a)
6 Trichlorofluoromethane	101	2.680	2.669	(0.352)	71033	1.00000	0.977(a)
10 Acrolein	56	3.094	3.094	(0.406)	3398	10.0000	8.37(a)
8 1,1-Dichloroethene(*)	96	3.222	3.212	(0.423)	21655	1.00000	0.985(a)
9 1,1,2-Trichlorotrifluoroethan	151	3.222	3.222	(0.423)	39160	1.00000	0.978(a)
11 Iodomethane	142	3.380	3.380	(0.444)	91363	2.00000	2.23(a)
7 Acetone	43	3.281	3.281	(0.431)	9278	5.00000	5.38(a)
12 Carbon disulfide	76	3.469	3.458	(0.455)	62308	1.00000	0.908(a)
13 Methylene chloride	84	3.814	3.794	(0.500)	21330	1.00000	0.976(a)
14 Acrylonitrile	53	4.120	4.139	(0.541)	11504	10.0000	9.45(a)
19 Vinyl acetate	43	4.909	4.918	(0.644)	81172	2.00000	2.04(a)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	16 trans-1,2-Dichloroethene	96	4.179	4.188	(0.548)	26038	1.00000	0.940(a)
	17 Methyl-tert-butyl ether[MTBE]	73	4.199	4.218	(0.551)	33907	1.00000	1.01
	18 1,1-Dichloroethane (**)	63	4.790	4.800	(0.629)	48414	1.00000	0.970(a)
	20 Isopropyl ether	45	4.958	4.977	(0.651)	79742	1.00000	0.998(a)
	21 Tert-butyl ethyl ether	59	5.530	5.539	(0.726)	58434	1.00000	0.980(a)
M	25 1,2-Dichloroethene (total)	100				53977	2.00000	1.89
	22 2,2-Dichloropropane	77	5.707	5.697	(0.749)	49757	1.00000	0.944(a)
	23 cis-1,2-Dichloroethene	96	5.688	5.707	(0.746)	27939	1.00000	0.948(a)
	24 2-Butanone	43	5.757	5.756	(0.755)	15975	5.00000	5.22(a)
	27 Bromochloromethane	128	6.082	6.082	(0.798)	15351	1.00000	1.00
	28 Chloroform (*)	83	6.240	6.240	(0.819)	73898	1.00000	1.01
$	29 Dibromofluoromethane	111	6.497	6.496	(0.852)	59082	1.00000	1.02
	30 1,1,1-Trichloroethane	97	6.526	6.516	(0.856)	65293	1.00000	0.942(a)
	31 Carbon Tetrachloride	117	6.822	6.792	(0.895)	67000	1.00000	0.951(a)
	32 1,1-Dichloropropene	75	6.802	6.802	(0.893)	45876	1.00000	0.963(a)
$	33 1,2-Dichloroethane-d4	65	7.019	7.029	(0.921)	25455	1.00000	1.02
	34 1,2-Dichloroethane-d4 2nd	102	7.029	7.039	(0.922)	1014	1.00000	0.377(aM)
	35 Benzene	78	7.128	7.137	(0.935)	72640	1.00000	0.976
	36 1,2-Dichloroethane	62	7.167	7.167	(0.940)	31254	1.00000	1.01
	37 Tert-amyl methyl ether	73	7.384	7.404	(0.969)	38281	1.00000	0.932(a)
*	38 Fluorobenzene	96	7.621	7.611	(1.000)	865009	10.0000	
	39 Trichloroethene	130	8.272	8.262	(1.085)	39077	1.00000	0.946
	40 1,2-Dichloropropane(*)	63	8.617	8.627	(1.131)	30222	1.00000	0.986(a)
	41 Dibromomethane	93	8.834	8.814	(1.159)	20589	1.00000	0.943(a)
	42 Bromodichloromethane	83	9.130	9.139	(1.198)	60448	1.00000	0.967(a)
	43 1-Bromo-2-chloroethane	63	9.653	9.652	(1.267)	35328	1.00000	0.939(aM)
	45 cis-1,3-Dichloropropene	75	9.949	9.958	(1.305)	33770	1.00000	0.933(a)
	46 4-Methyl-2-pentanone	43	10.274	10.283	(1.348)	43436	5.00000	4.67(a)
$	47 Toluene-d8	98	10.432	10.441	(0.796)	67529	1.00000	0.965(a)
	48 Toluene (*)	91	10.540	10.560	(0.804)	87474	1.00000	0.930(a)
	49 trans-1,3-Dichloropropene	75	10.984	10.994	(0.838)	22362	1.00000	0.926(a)
	50 1,1,2-Trichloroethane	97	11.300	11.309	(0.862)	16059	1.00000	0.898(a)
	51 Tetrachloroethene	164	11.586	11.575	(0.884)	36599	1.00000	0.902(a)
	52 1,3-Dichloropropane	76	11.606	11.605	(0.886)	26699	1.00000	0.927(a)
	53 2-Hexanone	43	11.852	11.842	(0.904)	29377	5.00000	4.66(a)
	54 Dibromochloromethane	129	12.020	12.029	(0.917)	41956	1.00000	0.919(a)
	55 1,2-Dibromoethane	107	12.168	12.187	(0.928)	23970	1.00000	0.895(a)
*	56 Chlorobenzene-d5	117	13.105	13.104	(1.000)	613124	10.0000	
	57 Chlorobenzene (**)	112	13.164	13.163	(1.004)	65400	1.00000	0.956(a)
	58 1,1,1,2-Tetrachloroethane	131	13.341	13.341	(1.018)	36219	1.00000	0.928(a)
	59 Ethylbenzene (*)	106	13.410	13.430	(1.023)	29436	1.00000	0.950(a)
	60 m,p-Xylenes	106	13.647	13.676	(1.041)	76993	2.00000	1.89
M	61 Xylenes (total)	100				111276	3.00000	2.82
	62 o-Xylene	106	14.387	14.416	(1.098)	34283	1.00000	0.930(a)
	63 Styrene	104	14.436	14.455	(1.102)	53083	1.00000	0.928(a)
	64 Bromoform (**)	173	14.722	14.751	(1.123)	22317	1.00000	0.902(a)
	65 Isopropylbenzene	105	15.156	15.166	(1.157)	119581	1.00000	0.950(a)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
$ 66 4-Bromofluorobenzene	95	15.422	15.432	(1.177)	50008	1.00000	1.000
67 4-Bromofluorobenzene-2nd	174	15.413	15.432	(1.176)	34686	1.00000	0.967(a)
68 Bromobenzene	156	15.659	15.678	(0.884)	30750	1.00000	0.901(a)
69 1,1,2,2-Tetrachloroethane(**)	83	15.768	15.767	(0.890)	21806	1.00000	0.985(a)
70 1,2,3-Trichloropropane	110	15.807	15.816	(0.892)	2824	1.00000	0.669(aM)
71 n-Propylbenzene	91	15.975	15.994	(0.901)	116426	1.00000	0.890(a)
72 2-Chlorotoluene	126	16.093	16.103	(0.908)	28859	1.00000	0.994(a)
73 4-Chlorotoluene	126	16.290	16.320	(0.919)	28274	1.00000	0.953(a)
74 1,3,5-Trimethylbenzene	105	16.350	16.379	(0.923)	102632	1.00000	0.985(a)
75 tert-Butylbenzene	119	16.981	17.000	(0.958)	107286	1.00000	0.976(a)
76 1,2,4-Trimethylbenzene	105	17.089	17.109	(0.964)	101723	1.00000	0.991(a)
77 sec-Butylbenzene	105	17.425	17.454	(0.983)	140686	1.00000	1.00
78 1,3-Dichlorobenzene	146	17.582	17.602	(0.992)	60509	1.00000	0.983(a)
* 79 1,4-Dichlorobenzene-d4	152	17.720	17.730	(1.000)	370825	10.0000	
80 p-Isopropyltoluene	119	17.750	17.779	(1.002)	118508	1.00000	0.975(a)
81 1,4-Dichlorobenzene	146	17.780	17.789	(1.003)	61422	1.00000	0.935(a)
82 1,2-Dichlorobenzene	146	18.500	18.509	(1.044)	51084	1.00000	0.978(a)
83 n-Butylbenzene	91	18.579	18.608	(1.048)	118227	1.00000	0.962(a)
84 1,2-Dibromo-3-chloropropane	157	20.097	20.107	(1.134)	2242	1.00000	0.481(aM)
85 1,2,4-Trichlorobenzene	180	21.833	21.843	(1.232)	37190	1.00000	0.906(a)
86 Hexachlorobutadiene	225	22.257	22.277	(1.256)	44016	1.00000	0.943(a)
87 Napthalene	128	22.307	22.306	(1.259)	30868	1.00000	0.958(a)
88 1,2,3-Trichlorobenzene	180	22.810	22.819	(1.287)	30757	1.00000	0.949(a)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2007\D\chem\mh.I\1013AH.B\HS2190.D
Lab Smp Id: 2.5 PPB 8260B STD
Inj Date : 13-OCT-2000 13:52
Operator : RRT Inst ID: mh.i
Smp Info : 2.5 PPB 8260B STD,,,7,0,,,8260BHL.M
Misc Info : ,25,,,1,1-8260B.SUB
Comment :
Method : \\SANP2007\D\chem\mh.I\1013AH.B\8260BHL.M
Meth Date : 13-Oct-2000 16:06 DONGA Quant Type: ISTD
Cal Date : 13-OCT-2000 13:52 Cal File: HS2190.D
Als bottle: 5 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2007

Concentration Formula: Amt * DF * Uf * Vod/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Fctor
Vod	25.000	Default Sample Volume
Vo	25.000	Sample Volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.756	1.752	(0.231)	133178	2.50000	3.25
2 Chloromethane (**)	50	1.953	1.940	(0.257)	53736	2.50000	2.74
3 Vinyl chloride (*)	62	2.012	2.009	(0.264)	62231	2.50000	2.72
4 Bromomethane	94	2.328	2.304	(0.306)	58990	2.50000	2.36
5 Chloroethane	64	2.417	2.393	(0.317)	35789	2.50000	2.89
6 Trichlorofluoromethane	101	2.683	2.669	(0.352)	229344	2.50000	2.85
10 Acrolein	56	3.087	3.094	(0.405)	16900	2.50000	37.64
8 1,1-Dichloroethene(*)	96	3.225	3.212	(0.424)	72314	2.50000	2.97
9 1,1,2-Trichlorotrifluoroethan	151	3.245	3.222	(0.426)	122343	2.50000	2.76
11 Iodomethane	142	3.383	3.380	(0.444)	324240	2.50000	7.16(a)
7 Acetone	43	3.265	3.281	(0.429)	26379	2.50000	13.83
12 Carbon disulfide	76	3.472	3.458	(0.456)	230281	2.50000	3.03
13 Methylene chloride	84	3.788	3.794	(0.497)	69189	2.50000	2.86
14 Acrylonitrile	53	4.143	4.139	(0.544)	38718	2.50000	28.74
15 t-Butanol	59	4.024	4.050	(0.529)	5330	10.0000	9.98(a)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	19 Vinyl acetate	43	4.922	4.918	(0.646)	241945	2.50000	5.48(a)
	16 trans-1,2-Dichloroethene	96	4.172	4.188	(0.548)	83599	2.50000	2.73
	17 Methyl-tert-butyl ether[MTBE]	73	4.202	4.218	(0.552)	101486	2.50000	2.73
	18 1,1-Dichloroethane (**)	63	4.784	4.800	(0.628)	153801	2.50000	2.78
	20 Isopropyl ether	45	4.952	4.977	(0.650)	244038	2.50000	2.76
	21 Tert-butyl ethyl ether	59	5.524	5.539	(0.725)	180419	2.50000	2.73
M	25 1,2-Dichloroethene (total)	100				174370	2.50000	5.51
	22 2,2-Dichloropropane	77	5.691	5.697	(0.747)	152029	2.50000	2.61
	23 cis-1,2-Dichloroethene	96	5.691	5.707	(0.747)	90771	2.50000	2.78
	24 2-Butanone	43	5.741	5.756	(0.754)	48069	2.50000	14.21
	27 Bromochloromethane	128	6.076	6.082	(0.798)	47760	2.50000	2.82
	28 Chloroform (*)	83	6.244	6.240	(0.820)	221201	2.50000	2.72
	26 Tetrahydrofuran	42	6.155	6.181	(0.808)	4505	2.50000	2.23
$	29 Dibromofluoromethane	111	6.490	6.496	(0.852)	166106	2.50000	2.60
	30 1,1,1-Trichloroethane	97	6.510	6.516	(0.855)	211163	2.50000	2.75
	31 Carbon Tetrachloride	117	6.796	6.792	(0.892)	213346	2.50000	2.74
	32 1,1-Dichloropropene	75	6.806	6.802	(0.894)	144313	2.50000	2.74
$	33 1,2-Dichloroethane-d4	65	7.033	7.029	(0.924)	71956	2.50000	2.61
	34 1,2-Dichloroethane-d4 2nd	102	7.013	7.039	(0.921)	9911	2.50000	3.33
	35 Benzene	78	7.131	7.137	(0.937)	219763	2.50000	2.67
	36 1,2-Dichloroethane	62	7.151	7.167	(0.939)	93372	2.50000	2.72
	37 Tert-amyl methyl ether	73	7.407	7.404	(0.973)	123876	2.50000	2.72
*	38 Fluorobenzene	96	7.614	7.611	(1.000)	957057	10.0000	
	39 Trichloroethene	130	8.246	8.262	(1.083)	121555	2.50000	2.66
	40 1,2-Dichloropropane(*)	63	8.630	8.627	(1.133)	93462	2.50000	2.76
	41 Dibromomethane	93	8.818	8.814	(1.158)	67925	2.50000	2.81
	42 Bromodichloromethane	83	9.143	9.139	(1.201)	184099	2.50000	2.66
	44 2-Chloroethylvinyl ether	106	9.774	9.741	(1.284)	3995	2.50000	2.73(a)
	43 1-Bromo-2-chloroethane	63	9.656	9.652	(1.268)	108360	2.50000	2.60
	45 cis-1,3-Dichloropropene	75	9.982	9.958	(1.311)	108508	2.50000	2.71
	46 4-Methyl-2-pentanone	43	10.277	10.283	(1.350)	143382	2.50000	13.93
$	47 Toluene-d8	98	10.435	10.441	(0.797)	198873	2.50000	2.59
	48 Toluene (*)	91	10.554	10.560	(0.806)	268755	2.50000	2.60
	49 trans-1,3-Dichloropropene	75	10.988	10.994	(0.839)	75011	2.50000	2.83
	50 1,1,2-Trichloroethane	97	11.313	11.309	(0.864)	53688	2.50000	2.73
	51 Tetrachloroethene	164	11.569	11.575	(0.883)	118083	2.50000	2.65
	52 1,3-Dichloropropane	76	11.609	11.605	(0.886)	82113	2.50000	2.60
	53 2-Hexanone	43	11.836	11.842	(0.904)	89102	2.50000	12.87
	54 Dibromochloromethane	129	12.013	12.029	(0.917)	135209	2.50000	2.70
	55 1,2-Dibromoethane	107	12.191	12.187	(0.931)	78439	2.50000	2.67
*	56 Chlorobenzene-d5	117	13.098	13.104	(1.000)	673526	10.0000	
	57 Chlorobenzene (**)	112	13.148	13.163	(1.004)	204771	2.50000	2.72
	58 1,1,1,2-Tetrachloroethane	131	13.335	13.341	(1.018)	115822	2.50000	2.70
	59 Ethylbenzene (*)	106	13.404	13.430	(1.023)	92578	2.50000	2.72
	60 m,p-Xylenes	106	13.651	13.676	(1.042)	241231	2.50000	5.39
M	61 Xylenes (total)	100				353307	2.50000	8.16
	62 o-Xylene	106	14.390	14.416	(1.099)	112076	2.50000	2.77

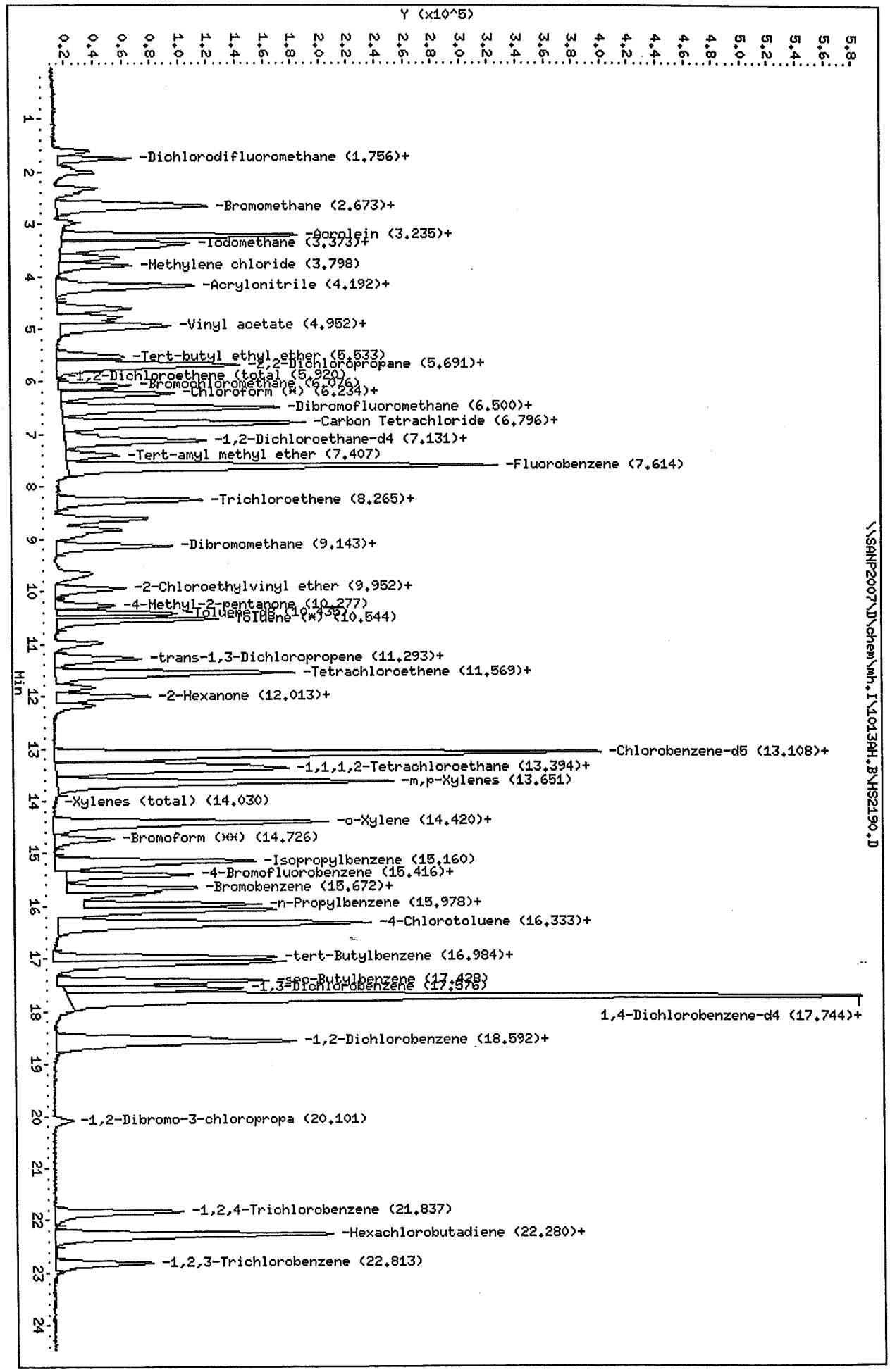
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
63 Styrene	104	14.440	14.455	(1.102)	165930	2.50000	2.64
64 Bromoform (**)	173	14.735	14.751	(1.125)	73484	2.50000	2.70
65 Isopropylbenzene	105	15.160	15.166	(1.157)	367798	2.50000	2.66
$ 66 4-Bromofluorobenzene	95	15.416	15.432	(1.177)	140587	2.50000	2.56
67 4-Bromofluorobenzene-2nd	174	15.436	15.432	(1.178)	101817	2.50000	2.58
68 Bromobenzene	156	15.663	15.678	(0.884)	107984	2.50000	2.84
69 1,1,2,2-Tetrachloroethane(**)	83	15.751	15.767	(0.889)	68776	2.50000	2.79
70 1,2,3-Trichloropropane	110	15.801	15.816	(0.892)	15266	2.50000	3.25
71 n-Propylbenzene	91	15.978	15.994	(0.902)	442701	2.50000	3.04
72 2-Chlorotoluene	126	16.087	16.103	(0.908)	88605	2.50000	2.74
73 4-Chlorotoluene	126	16.313	16.320	(0.921)	82120	2.50000	2.49
74 1,3,5-Trimethylbenzene	105	16.363	16.379	(0.924)	320801	2.50000	2.77
75 tert-Butylbenzene	119	16.994	17.000	(0.959)	337986	2.50000	2.76
76 1,2,4-Trimethylbenzene	105	17.083	17.109	(0.964)	311730	2.50000	2.73
77 sec-Butylbenzene	105	17.438	17.454	(0.984)	443208	2.50000	2.84
78 1,3-Dichlorobenzene	146	17.576	17.602	(0.992)	180763	2.50000	2.64
* 79 1,4-Dichlorobenzene-d4	152	17.714	17.730	(1.000)	412788	10.0000	
80 p-Isopropyltoluene	119	17.753	17.779	(1.002)	372035	2.50000	2.75
81 1,4-Dichlorobenzene	146	17.763	17.789	(1.003)	211286	2.50000	2.89
82 1,2-Dichlorobenzene	146	18.503	18.509	(1.045)	161966	2.50000	2.79
83 n-Butylbenzene	91	18.602	18.608	(1.050)	377133	2.50000	2.76
84 1,2-Dibromo-3-chloropropane	157	20.101	20.107	(1.135)	11411	2.50000	2.34
85 1,2,4-Trichlorobenzene	180	21.837	21.843	(1.233)	120832	2.50000	2.64
86 Hexachlorobutadiene	225	22.271	22.277	(1.257)	143205	2.50000	2.76
87 Napthalene	128	22.300	22.306	(1.259)	100457	2.50000	2.80
88 1,2,3-Trichlorobenzene	180	22.813	22.819	(1.288)	91866	2.50000	2.55

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: \\SANP2007\D\chem\mh.I\1013AH.B\HS2190.D
Date : 13-OCT-2000 13:52
Client ID:
Sample Info: 2.5 PPB 8260B STD,,,7.0,,,8260BHL.M
Purge Volume: 25.0
Column phase: J&W DB-624

Instrument: mh.i
Operator: RRT
Column diameter: 0.53



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2007\D\chem\mh.I\1013AH.B\HS2191.D
Lab Smp Id: 5 PPB 8260B STD
Inj Date : 13-OCT-2000 14:23
Operator : RRT Inst ID: mh.i
Smp Info : 5 PPB 8260B STD,,,2,0,,,8260BHL.M
Misc Info : ,25,,,1,1-8260B.SUB
Comment :
Method : \\SANP2007\D\chem\mh.I\1013AH.B\8260BHL.M
Meth Date : 13-Oct-2000 16:06 DONGA Quant Type: ISTD
Cal Date : 13-OCT-2000 14:23 Cal File: HS2191.D
Als bottle: 6 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2007

Concentration Formula: Amt * DF * Uf * Vod/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Fctor
Vod	25.000	Default Sample Volume
Vo	25.000	Sample Volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.757	1.752	(0.230)	249676	5.00000	5.75
2 Chloromethane (**)	50	1.935	1.940	(0.254)	104071	5.00000	5.26
3 Vinyl chloride (*)	62	2.014	2.009	(0.264)	117127	5.00000	5.14
4 Bromomethane	94	2.329	2.304	(0.305)	121894	5.00000	4.98
5 Chloroethane	64	2.418	2.393	(0.317)	68578	5.00000	5.41
6 Trichlorofluoromethane	101	2.675	2.669	(0.351)	435237	5.00000	5.33
10 Acrolein	56	3.089	3.094	(0.405)	31176	50.0000	62.14
8 1,1-Dichloroethene(*)	96	3.217	3.212	(0.422)	136270	5.00000	5.45
9 1,1,2-Trichlorotrifluoroethan	151	3.237	3.222	(0.424)	231325	5.00000	5.21
11 Iodomethane	142	3.375	3.380	(0.443)	658651	10.0000	12.77
7 Acetone	43	3.276	3.281	(0.430)	48050	25.0000	25.44
12 Carbon disulfide	76	3.463	3.458	(0.454)	437332	5.00000	5.54
13 Methylene chloride	84	3.799	3.794	(0.498)	129362	5.00000	5.29
14 Acrylonitrile	53	4.114	4.139	(0.540)	78613	50.0000	55.92
15 t-Butanol	59	3.986	4.050	(0.523)	12046	20.0000	21.89(a)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	19 Vinyl acetate	43	4.933	4.918	(0.647)	450853	10.0000	10.27
	16 trans-1,2-Dichloroethene	96	4.193	4.188	(0.550)	159089	5.00000	5.19
	17 Methyl-tert-butyl ether[MTBE]	73	4.213	4.218	(0.552)	188749	5.00000	5.12
	18 1,1-Dichloroethane (**)	63	4.805	4.800	(0.630)	293193	5.00000	5.26
	20 Isopropyl ether	45	4.963	4.977	(0.651)	460460	5.00000	5.20
	21 Tert-butyl ethyl ether	59	5.525	5.539	(0.725)	343191	5.00000	5.19
M	25 1,2-Dichloroethene (total)	100				328512	10.0000	10.38
	22 2,2-Dichloropropane	77	5.702	5.697	(0.748)	291778	5.00000	5.06
	23 cis-1,2-Dichloroethene	96	5.702	5.707	(0.748)	169423	5.00000	5.19
	24 2-Butanone	43	5.742	5.756	(0.753)	85717	25.0000	25.54
	27 Bromochloromethane	128	6.077	6.082	(0.797)	94184	5.00000	5.43
	28 Chloroform (*)	83	6.245	6.240	(0.819)	414540	5.00000	5.13
	26 Tetrahydrofuran	42	6.186	6.181	(0.811)	11434	5.00000	5.48
$	29 Dibromofluoromethane	111	6.491	6.496	(0.851)	326638	5.00000	5.14
	30 1,1,1-Trichloroethane	97	6.511	6.516	(0.854)	392478	5.00000	5.14
	31 Carbon Tetrachloride	117	6.807	6.792	(0.893)	404934	5.00000	5.19
	32 1,1-Dichloropropene	75	6.797	6.802	(0.891)	269984	5.00000	5.14
$	33 1,2-Dichloroethane-d4	65	7.024	7.029	(0.921)	143626	5.00000	5.20
	34 1,2-Dichloroethane-d4 2nd	102	7.024	7.039	(0.921)	22589	5.00000	6.54
	35 Benzene	78	7.133	7.137	(0.935)	422053	5.00000	5.14
	36 1,2-Dichloroethane	62	7.152	7.167	(0.938)	181391	5.00000	5.25
	37 Tert-amyl methyl ether	73	7.399	7.404	(0.970)	238015	5.00000	5.22
*	38 Fluorobenzene	96	7.626	7.611	(1.000)	939524	10.0000	
	39 Trichloroethene	130	8.267	8.262	(1.084)	234535	5.00000	5.15
	40 1,2-Dichloropropane(*)	63	8.622	8.627	(1.131)	174924	5.00000	5.17
	41 Dibromomethane	93	8.819	8.814	(1.156)	132225	5.00000	5.37
	42 Bromodichloromethane	83	9.145	9.139	(1.199)	368792	5.00000	5.28
	44 2-Chloroethylvinyl ether	106	9.746	9.741	(1.278)	11851	10.0000	8.77(a)
	43 1-Bromo-2-chloroethane	63	9.667	9.652	(1.268)	222429	5.00000	5.29
	45 cis-1,3-Dichloropropene	75	9.953	9.958	(1.305)	214936	5.00000	5.30
	46 4-Methyl-2-pentanone	43	10.289	10.283	(1.349)	274398	25.0000	26.40
$	47 Toluene-d8	98	10.427	10.441	(0.796)	388502	5.00000	5.15
	48 Toluene (*)	91	10.545	10.560	(0.805)	519423	5.00000	5.13
	49 trans-1,3-Dichloropropene	75	10.989	10.994	(0.839)	149797	5.00000	5.53
	50 1,1,2-Trichloroethane	97	11.304	11.309	(0.863)	102735	5.00000	5.26
	51 Tetrachloroethene	164	11.561	11.575	(0.883)	224690	5.00000	5.14
	52 1,3-Dichloropropane	76	11.590	11.605	(0.885)	161966	5.00000	5.19
	53 2-Hexanone	43	11.837	11.842	(0.904)	175437	25.0000	25.78
	54 Dibromochloromethane	129	12.024	12.029	(0.918)	259508	5.00000	5.23
	55 1,2-Dibromoethane	107	12.172	12.187	(0.929)	150268	5.00000	5.18
*	56 Chlorobenzene-d5	117	13.099	13.104	(1.000)	651383	10.0000	
	57 Chlorobenzene (**)	112	13.159	13.163	(1.005)	391409	5.00000	5.25
	58 1,1,1,2-Tetrachloroethane	131	13.346	13.341	(1.019)	222083	5.00000	5.23
	59 Ethylbenzene (*)	106	13.415	13.430	(1.024)	180092	5.00000	5.30
	60 m,p-Xylenes	106	13.652	13.676	(1.042)	461875	10.0000	10.44
M	61 Xylenes (total)	100				672232	15.0000	15.68
	62 o-Xylene	106	14.411	14.416	(1.100)	210357	5.00000	5.24

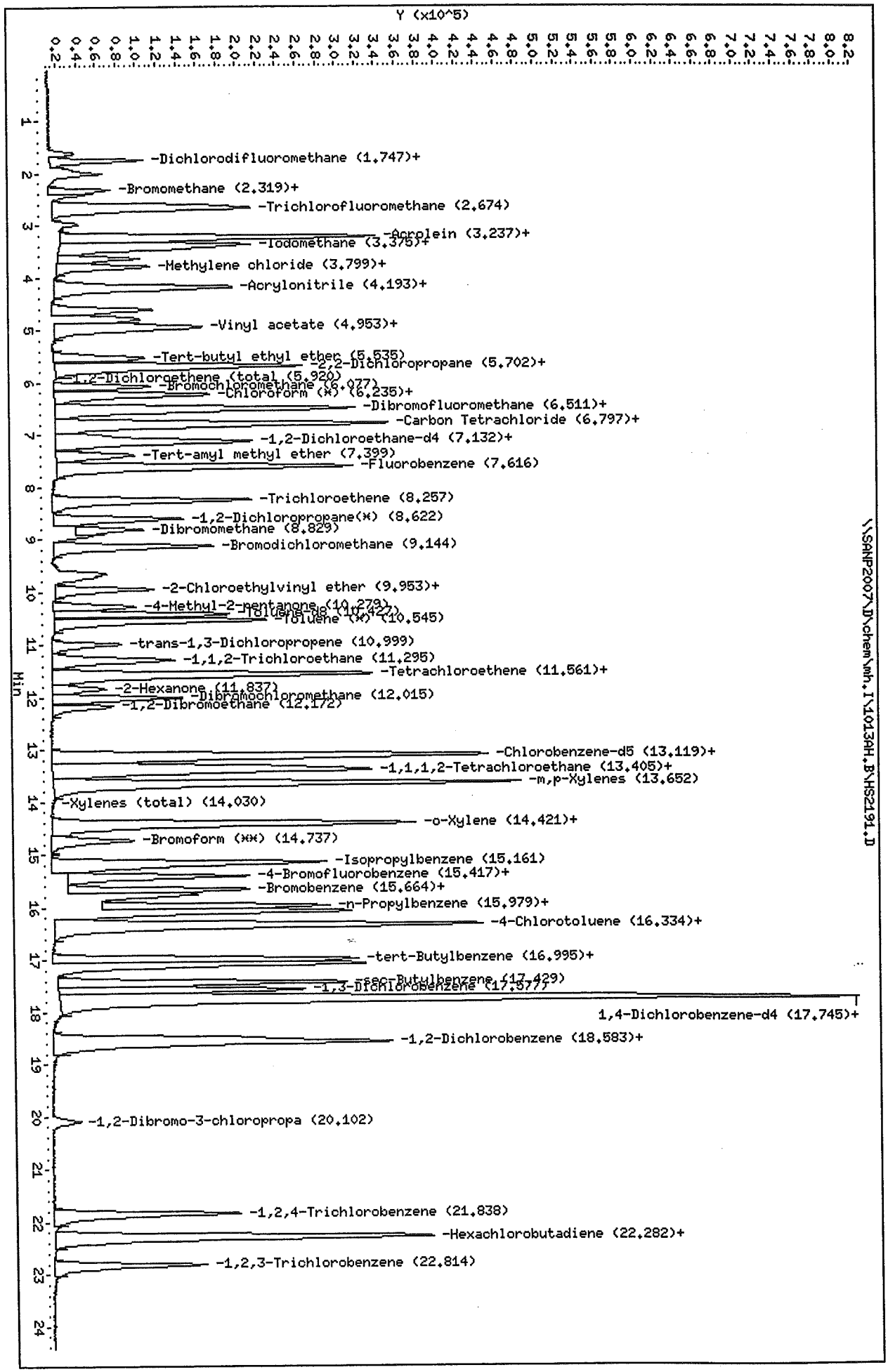
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
63 Styrene	104	14.431	14.455	(1.102)	322254	5.00000	5.20
64 Bromoform (**)	173	14.747	14.751	(1.126)	144452	5.00000	5.32
65 Isopropylbenzene	105	15.161	15.166	(1.157)	704004	5.00000	5.18
$ 66 4-Bromofluorobenzene	95	15.417	15.432	(1.177)	287045	5.00000	5.26
67 4-Bromofluorobenzene-2nd	174	15.417	15.432	(1.177)	203140	5.00000	5.22
68 Bromobenzene	156	15.674	15.678	(0.884)	207205	5.00000	5.27
69 1,1,2,2-Tetrachloroethane(**)	83	15.762	15.767	(0.889)	131219	5.00000	5.19
70 1,2,3-Trichloropropane	110	15.812	15.816	(0.892)	29923	5.00000	5.82
71 n-Propylbenzene	91	15.979	15.994	(0.902)	791917	5.00000	5.27
72 2-Chlorotoluene	126	16.098	16.103	(0.908)	165778	5.00000	5.07
73 4-Chlorotoluene	126	16.315	16.320	(0.920)	178035	5.00000	5.24
74 1,3,5-Trimethylbenzene	105	16.354	16.379	(0.923)	614517	5.00000	5.18
75 tert-Butylbenzene	119	16.995	17.000	(0.959)	645207	5.00000	5.16
76 1,2,4-Trimethylbenzene	105	17.094	17.109	(0.964)	603329	5.00000	5.16
77 sec-Butylbenzene	105	17.429	17.454	(0.983)	820901	5.00000	5.15
78 1,3-Dichlorobenzene	146	17.587	17.602	(0.992)	358807	5.00000	5.14
* 79 1,4-Dichlorobenzene-d4	152	17.725	17.730	(1.000)	415067	10.0000	
80 p-Isopropyltoluene	119	17.765	17.779	(1.002)	722731	5.00000	5.20
81 1,4-Dichlorobenzene	146	17.774	17.789	(1.003)	396523	5.00000	5.26
82 1,2-Dichlorobenzene	146	18.504	18.509	(1.044)	314420	5.00000	5.25
83 n-Butylbenzene	91	18.593	18.608	(1.049)	742658	5.00000	5.26
84 1,2-Dibromo-3-chloropropane	157	20.102	20.107	(1.134)	26080	5.00000	5.21
85 1,2,4-Trichlorobenzene	180	21.838	21.843	(1.232)	243762	5.00000	5.20
86 Hexachlorobutadiene	225	22.282	22.277	(1.257)	275514	5.00000	5.18
87 Napthalene	128	22.302	22.306	(1.258)	205073	5.00000	5.44
88 1,2,3-Trichlorobenzene	180	22.814	22.819	(1.287)	194882	5.00000	5.24

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: \\SANP2007\D\chem\mh.I\1013AH.B\HS2191.D
Date : 13-OCT-2000 14:23
Client ID:
Sample Info: 5 PPB 8260B STD,,2.0,,8260BHL.M
Purge Volume: 25.0
Column phase: J&W DB-624

Instrument: mh.i
Operator: RRT
Column diameter: 0.53



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2007\D\chem\mh.I\1013AH.B\HS2192.D
Lab Smp Id: 50 PPB 8260B STD
Inj Date : 13-OCT-2000 14:53
Operator : RRT Inst ID: mh.i
Smp Info : 50 PPB 8260B STD,,,4,0,,,8260BHL.M
Misc Info : ,25,,,1,1-8260B.SUB
Comment :
Method : \\SANP2007\D\chem\mh.I\1013AH.B\8260BHL.M
Meth Date : 13-Oct-2000 16:06 DONGA Quant Type: ISTD
Cal Date : 13-OCT-2000 14:53 Cal File: HS2192.D
Als bottle: 7 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2007

Concentration Formula: Amt * DF * Uf * Vod/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Fctor
Vod	25.000	Default Sample Volume
Vo	25.000	Sample Volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.745	1.752	(0.229)	1673064	50.0000	48.45
2 Chloromethane (**)	50	1.932	1.940	(0.254)	744125	50.0000	47.61
3 Vinyl chloride (*)	62	2.011	2.009	(0.264)	793724	50.0000	44.85
4 Bromomethane	94	2.317	2.304	(0.304)	903623	50.0000	46.94
5 Chloroethane	64	2.415	2.393	(0.317)	456922	50.0000	46.10
6 Trichlorofluoromethane	101	2.672	2.669	(0.351)	3037881	50.0000	47.20
10 Acrolein	56	3.096	3.094	(0.407)	238662	500.000	566.2(A)
8 1,1-Dichloroethene(*)	96	3.214	3.212	(0.422)	947537	50.0000	47.86
9 1,1,2-Trichlorotrifluoroethan	151	3.244	3.222	(0.426)	1586042	50.0000	45.74
11 Iodomethane	142	3.382	3.380	(0.444)	4954126	100.000	114.0(A)
7 Acetone	43	3.273	3.281	(0.430)	316473	250.000	217.7
12 Carbon disulfide	76	3.471	3.458	(0.456)	3117773	50.0000	49.42
13 Methylene chloride	84	3.796	3.794	(0.499)	956271	50.0000	49.02
14 Acrylonitrile	53	4.122	4.139	(0.541)	609893	500.000	529.6(A)
15 t-Butanol	59	4.003	4.050	(0.526)	87975	200.000	199.3

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	19 Vinyl acetate	43	4.921	4.918	(0.646)	3315574	100.000	95.46
	16 trans-1,2-Dichloroethene	96	4.201	4.188	(0.552)	1167863	50.0000	48.05
	17 Methyl-tert-butyl ether[MTBE]	73	4.210	4.218	(0.553)	1397077	50.0000	47.86
	18 1,1-Dichloroethane (**)	63	4.792	4.800	(0.629)	2074525	50.0000	47.23
	20 Isopropyl ether	45	4.970	4.977	(0.653)	3237627	50.0000	46.58
	21 Tert-butyl ethyl ether	59	5.542	5.539	(0.728)	2521805	50.0000	48.13
M	25 1,2-Dichloroethene (total)	100				2406007	100.000	95.95
	22 2,2-Dichloropropane	77	5.700	5.697	(0.749)	2062073	50.0000	45.82
	23 cis-1,2-Dichloroethene	96	5.700	5.707	(0.749)	1238144	50.0000	47.90
	24 2-Butanone	43	5.749	5.756	(0.755)	617051	250.000	233.9
	27 Bromochloromethane	128	6.084	6.082	(0.799)	709427	50.0000	50.68
	28 Chloroform (*)	83	6.242	6.240	(0.820)	2951404	50.0000	46.53
	26 Tetrahydrofuran	42	6.193	6.181	(0.813)	87391	50.0000	51.64
$	29 Dibromofluoromethane	111	6.489	6.496	(0.852)	2172806	50.0000	44.24
	30 1,1,1-Trichloroethane	97	6.518	6.516	(0.856)	2825753	50.0000	47.00
	31 Carbon Tetrachloride	117	6.804	6.792	(0.894)	2887628	50.0000	47.02
	32 1,1-Dichloropropene	75	6.795	6.802	(0.892)	1867480	50.0000	45.60
$	33 1,2-Dichloroethane-d4	65	7.031	7.029	(0.924)	996800	50.0000	46.11
	34 1,2-Dichloroethane-d4 2nd	102	7.041	7.039	(0.925)	175021	50.0000	59.23
	35 Benzene	78	7.130	7.137	(0.937)	2986277	50.0000	46.41
	36 1,2-Dichloroethane	62	7.159	7.167	(0.940)	1334679	50.0000	48.56
	37 Tert-amyl methyl ether	73	7.406	7.404	(0.973)	1784849	50.0000	49.04
*	38 Fluorobenzene	96	7.613	7.611	(1.000)	754431	10.0000	
	39 Trichloroethene	130	8.264	8.262	(1.086)	1714232	50.0000	47.62
	40 1,2-Dichloropropane(*)	63	8.619	8.627	(1.132)	1255921	50.0000	47.10
	41 Dibromomethane	93	8.816	8.814	(1.158)	995841	50.0000	50.27
	42 Bromodichloromethane	83	9.142	9.139	(1.201)	2726405	50.0000	48.95
	44 2-Chloroethylvinyl ether	106	9.743	9.741	(1.280)	138088	100.000	119.1(A)
	43 1-Bromo-2-chloroethane	63	9.655	9.652	(1.268)	1779396	50.0000	51.98
	45 cis-1,3-Dichloropropene	75	9.960	9.958	(1.308)	1656342	50.0000	50.67
	46 4-Methyl-2-pentanone	43	10.286	10.283	(1.351)	2016888	250.000	243.7
$	47 Toluene-d8	98	10.434	10.441	(0.796)	2625275	50.0000	45.11
	48 Toluene (*)	91	10.552	10.560	(0.805)	3744251	50.0000	47.29
	49 trans-1,3-Dichloropropene	75	10.986	10.994	(0.838)	1230027	50.0000	55.08
	50 1,1,2-Trichloroethane	97	11.302	11.309	(0.862)	797236	50.0000	50.96
	51 Tetrachloroethene	164	11.568	11.575	(0.883)	1593167	50.0000	46.75
	52 1,3-Dichloropropane	76	11.608	11.605	(0.886)	1185523	50.0000	48.28
	53 2-Hexanone	43	11.834	11.842	(0.903)	1311736	250.000	244.0
	54 Dibromochloromethane	129	12.012	12.029	(0.916)	1929843	50.0000	49.11
	55 1,2-Dibromoethane	107	12.180	12.187	(0.929)	1179900	50.0000	50.84
*	56 Chlorobenzene-d5	117	13.107	13.104	(1.000)	518704	10.0000	
	57 Chlorobenzene (**)	112	13.156	13.163	(1.004)	2922304	50.0000	49.42
	58 1,1,1,2-Tetrachloroethane	131	13.343	13.341	(1.018)	1646545	50.0000	49.04
	59 Ethylbenzene (*)	106	13.422	13.430	(1.024)	1300766	50.0000	48.58
	60 m,p-Xylenes	106	13.659	13.676	(1.042)	3269623	100.000	94.47
M	61 Xylenes (total)	100				4795931	150.000	142.8
	62 o-Xylene	106	14.418	14.416	(1.100)	1526308	50.0000	48.31

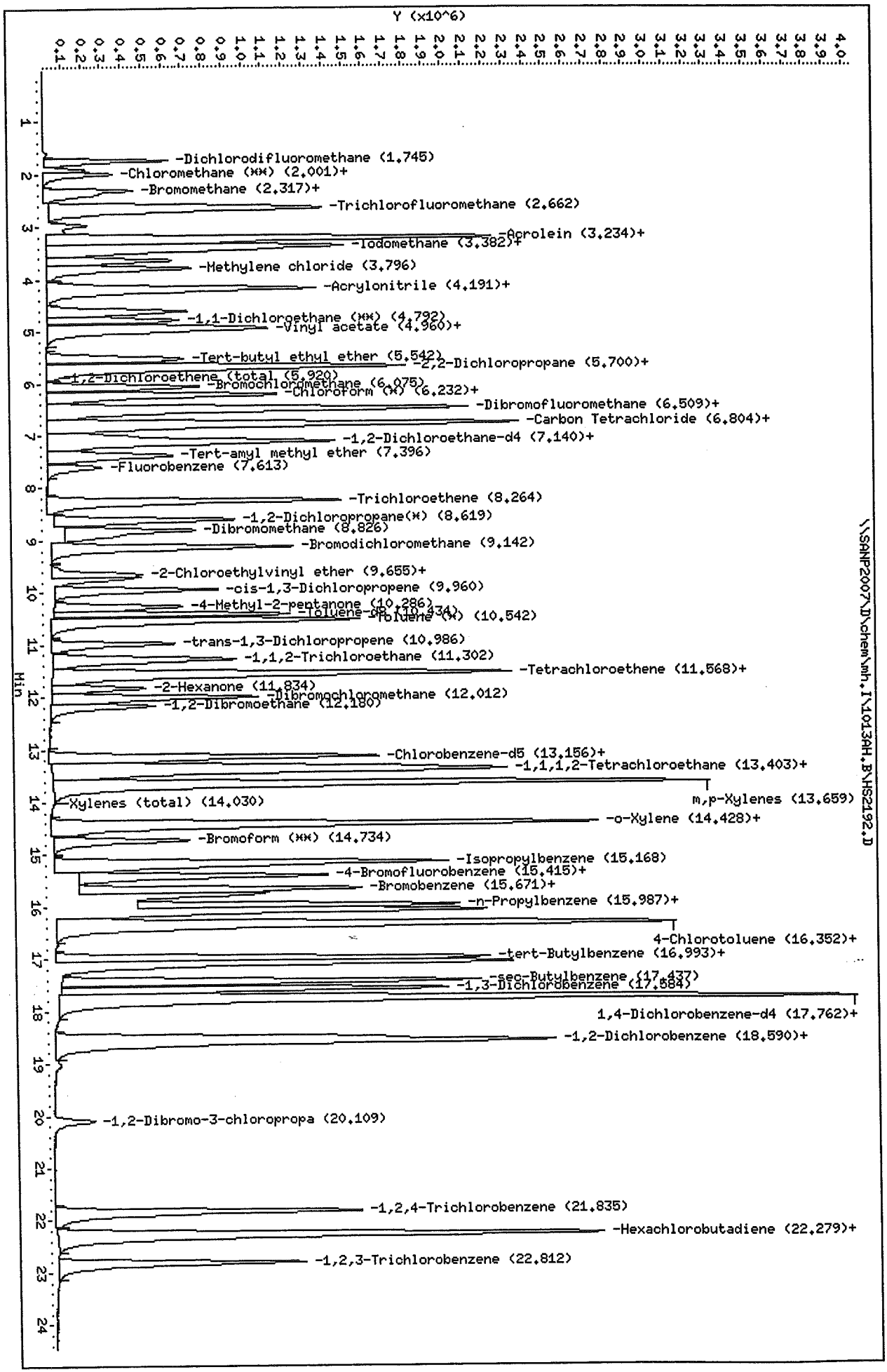
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
63 Styrene	104	14.438	14.455	(1.102)	2433805	50.0000	49.47
64 Bromoform (**)	173	14.744	14.751	(1.125)	1121195	50.0000	51.38
65 Isopropylbenzene	105	15.168	15.166	(1.157)	5100706	50.0000	47.78
$ 66 4-Bromofluorobenzene	95	15.415	15.432	(1.176)	1936113	50.0000	45.81
67 4-Bromofluorobenzene-2nd	174	15.415	15.432	(1.176)	1373873	50.0000	45.60
68 Bromobenzene	156	15.661	15.678	(0.883)	1595511	50.0000	50.44
69 1,1,2,2-Tetrachloroethane(**)	83	15.770	15.767	(0.889)	998413	50.0000	49.41
70 1,2,3-Trichloropropane	110	15.789	15.816	(0.890)	244253	50.0000	56.58
71 n-Propylbenzene	91	15.987	15.994	(0.902)	5859205	50.0000	48.91
72 2-Chlorotoluene	126	16.105	16.103	(0.908)	1213608	50.0000	47.11
73 4-Chlorotoluene	126	16.322	16.320	(0.920)	1318366	50.0000	48.72
74 1,3,5-Trimethylbenzene	105	16.361	16.379	(0.923)	4405668	50.0000	47.13
75 tert-Butylbenzene	119	16.993	17.000	(0.958)	4596626	50.0000	46.79
76 1,2,4-Trimethylbenzene	105	17.091	17.109	(0.964)	4325314	50.0000	47.04
77 sec-Butylbenzene	105	17.437	17.454	(0.983)	5801332	50.0000	46.43
78 1,3-Dichlorobenzene	146	17.584	17.602	(0.992)	2679491	50.0000	48.32
* 79 1,4-Dichlorobenzene-d4	152	17.732	17.730	(1.000)	333143	10.0000	
80 p-Isopropyltoluene	119	17.772	17.779	(1.002)	5119220	50.0000	46.88
81 1,4-Dichlorobenzene	146	17.782	17.789	(1.003)	2955243	50.0000	49.09(H)
82 1,2-Dichlorobenzene	146	18.512	18.509	(1.044)	2325119	50.0000	48.75
83 n-Butylbenzene	91	18.590	18.608	(1.048)	5317723	50.0000	47.64
84 1,2-Dibromo-3-chloropropane	157	20.109	20.107	(1.134)	223794	50.0000	54.15
85 1,2,4-Trichlorobenzene	180	21.835	21.843	(1.231)	1948336	50.0000	51.32
86 Hexachlorobutadiene	225	22.279	22.277	(1.256)	1891586	50.0000	45.61
87 Napthalene	128	22.309	22.306	(1.258)	1606022	50.0000	52.26
88 1,2,3-Trichlorobenzene	180	22.822	22.819	(1.287)	1478112	50.0000	49.65

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
H - Operator selected an alternate compound hit.

Data File: \\SANP2007\D\chem\mh.I\10130H.B\HS2192.D
Date : 13-OCT-2000 14:53
Client ID:
Sample Info: 50 PPB 8260B STD,,,4.0,,,8260BHL.M
Purge Volume: 25.0
Column phase: J&W DB-624

Instrument: mh.i
Operator: RRT
Column diameter: 0.53



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2007\D\chem\mh.I\1013AH.B\HS2193.D
Lab Smp Id: 100 PPB 8260B STD
Inj Date : 13-OCT-2000 15:24
Operator : RRT Inst ID: mh.i
Smp Info : 100 PPB 8260B STD,,,5,0,,,8260BHL.M
Misc Info : ,25,,,1,1-8260B.SUB
Comment :
Method : \\SANP2007\D\chem\mh.I\1013AH.B\8260BHL.M
Meth Date : 13-Oct-2000 16:06 DONGA Quant Type: ISTD
Cal Date : 13-OCT-2000 15:24 Cal File: HS2193.D
Als bottle: 8 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2007

Concentration Formula: Amt * DF * Uf * Vod/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Fctor
Vod	25.000	Default Sample Volume
Vo	25.000	Sample Volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.752	1.752	(0.230)	4372832	100.000	95.37
2 Chloromethane (**)	50	1.940	1.940	(0.255)	1861709	100.000	90.73
3 Vinyl chloride (*)	62	2.009	2.009	(0.264)	2094896	100.000	90.26
4 Bromomethane	94	2.304	2.304	(0.303)	2379414	100.000	93.51
5 Chloroethane	64	2.393	2.393	(0.314)	967797	100.000	76.88
6 Trichlorofluoromethane	101	2.669	2.669	(0.351)	8037444	100.000	94.29
10 Acrolein	56	3.094	3.094	(0.406)	617662	1000.00	1071(A)
8 1,1-Dichloroethene(*)	96	3.212	3.212	(0.422)	2511158	100.000	95.50
9 1,1,2-Trichlorotrifluoroethan	151	3.222	3.222	(0.423)	4185541	100.000	91.72
11 Iodomethane	142	3.380	3.380	(0.444)	13129033	200.000	219.5(A)
7 Acetone	43	3.281	3.281	(0.431)	760568	500.000	407.5
12 Carbon disulfide	76	3.458	3.458	(0.454)	8343417	100.000	98.77
13 Methylene chloride	84	3.794	3.794	(0.498)	2621515	100.000	100.0(A)
14 Acrylonitrile	53	4.139	4.139	(0.544)	1562920	1000.00	1008(A)
15 t-Butanol	59	4.050	4.050	(0.532)	237625	400.000	400.6

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	19 Vinyl acetate	43	4.918	4.918	(0.646)	8573450	200.000	186.8(A)
	16 trans-1,2-Dichloroethene	96	4.188	4.188	(0.550)	3176778	100.000	97.84
	17 Methyl-tert-butyl ether[MTBE]	73	4.218	4.218	(0.554)	3723243	100.000	95.92
	18 1,1-Dichloroethane (**)	63	4.800	4.800	(0.631)	5665418	100.000	96.80
	20 Isopropyl ether	45	4.977	4.977	(0.654)	8314926	100.000	91.05
	21 Tert-butyl ethyl ether	59	5.539	5.539	(0.728)	6714044	100.000	96.28
M	25 1,2-Dichloroethene (total)	100				6507937	200.000	194.6
	22 2,2-Dichloropropane	77	5.697	5.697	(0.749)	5566837	100.000	93.57
	23 cis-1,2-Dichloroethene	96	5.707	5.707	(0.750)	3331159	100.000	96.72
	24 2-Butanone	43	5.756	5.756	(0.756)	1489807	500.000	434.2
	27 Bromochloromethane	128	6.082	6.082	(0.799)	1873584	100.000	99.72
	28 Chloroform (*)	83	6.240	6.240	(0.820)	8040827	100.000	95.45
	26 Tetrahydrofuran	42	6.181	6.181	(0.812)	205317	100.000	92.11
$	29 Dibromofluoromethane	111	6.496	6.496	(0.854)	5641827	100.000	88.07
	30 1,1,1-Trichloroethane	97	6.516	6.516	(0.856)	7475998	100.000	93.96
	31 Carbon Tetrachloride	117	6.792	6.792	(0.892)	7575858	100.000	93.37
	32 1,1-Dichloropropene	75	6.802	6.802	(0.894)	4766891	100.000	89.03
$	33 1,2-Dichloroethane-d4	65	7.029	7.029	(0.924)	2629199	100.000	92.28
	34 1,2-Dichloroethane-d4 2nd	102	7.039	7.039	(0.925)	466681	100.000	113.6(A)
	35 Benzene	78	7.137	7.137	(0.938)	7905231	100.000	93.05
	36 1,2-Dichloroethane	62	7.167	7.167	(0.942)	3438277	100.000	94.43
	37 Tert-amyl methyl ether	73	7.404	7.404	(0.973)	4747190	100.000	97.67
*	38 Fluorobenzene	96	7.611	7.611	(1.000)	1013387	10.0000	
	39 Trichloroethene	130	8.262	8.262	(1.086)	4613198	100.000	96.28
	40 1,2-Dichloropropane(*)	63	8.627	8.627	(1.133)	3385916	100.000	95.57
	41 Dibromomethane	93	8.814	8.814	(1.158)	2560521	100.000	96.96
	42 Bromodichloromethane	83	9.139	9.139	(1.201)	7188189	100.000	96.84
	44 2-Chloroethylvinyl ether	106	9.741	9.741	(1.280)	400887	200.000	243.5(A)
	43 1-Bromo-2-chloroethane	63	9.652	9.652	(1.268)	4682399	100.000	101.5(A)
	45 cis-1,3-Dichloropropene	75	9.958	9.958	(1.308)	4445383	100.000	101.0(A)
	46 4-Methyl-2-pentanone	43	10.283	10.283	(1.351)	5025183	500.000	460.9
$	47 Toluene-d8	98	10.441	10.441	(0.797)	7108508	100.000	92.47
	48 Toluene (*)	91	10.560	10.560	(0.806)	10121236	100.000	95.95
	49 trans-1,3-Dichloropropene	75	10.994	10.994	(0.839)	3313624	100.000	108.0(A)
	50 1,1,2-Trichloroethane	97	11.309	11.309	(0.863)	2018550	100.000	96.67
	51 Tetrachloroethene	164	11.575	11.575	(0.883)	4209811	100.000	93.33
	52 1,3-Dichloropropane	76	11.605	11.605	(0.886)	2973028	100.000	91.82
	53 2-Hexanone	43	11.842	11.842	(0.904)	3283210	500.000	462.4
	54 Dibromochloromethane	129	12.029	12.029	(0.918)	5035285	100.000	96.14
	55 1,2-Dibromoethane	107	12.187	12.187	(0.930)	3119600	100.000	99.90
*	56 Chlorobenzene-d5	117	13.104	13.104	(1.000)	698026	10.0000	
	57 Chlorobenzene (**)	112	13.163	13.163	(1.004)	7757782	100.000	97.99
	58 1,1,1,2-Tetrachloroethane	131	13.341	13.341	(1.018)	4299235	100.000	96.08
	59 Ethylbenzene (*)	106	13.430	13.430	(1.025)	3444626	100.000	96.44
	60 m,p-Xylenes	106	13.676	13.676	(1.044)	8594323	200.000	187.4
M	61 Xylenes (total)	100				12697899	300.000	284.6
	62 o-Xylene	106	14.416	14.416	(1.100)	4103576	100.000	97.20

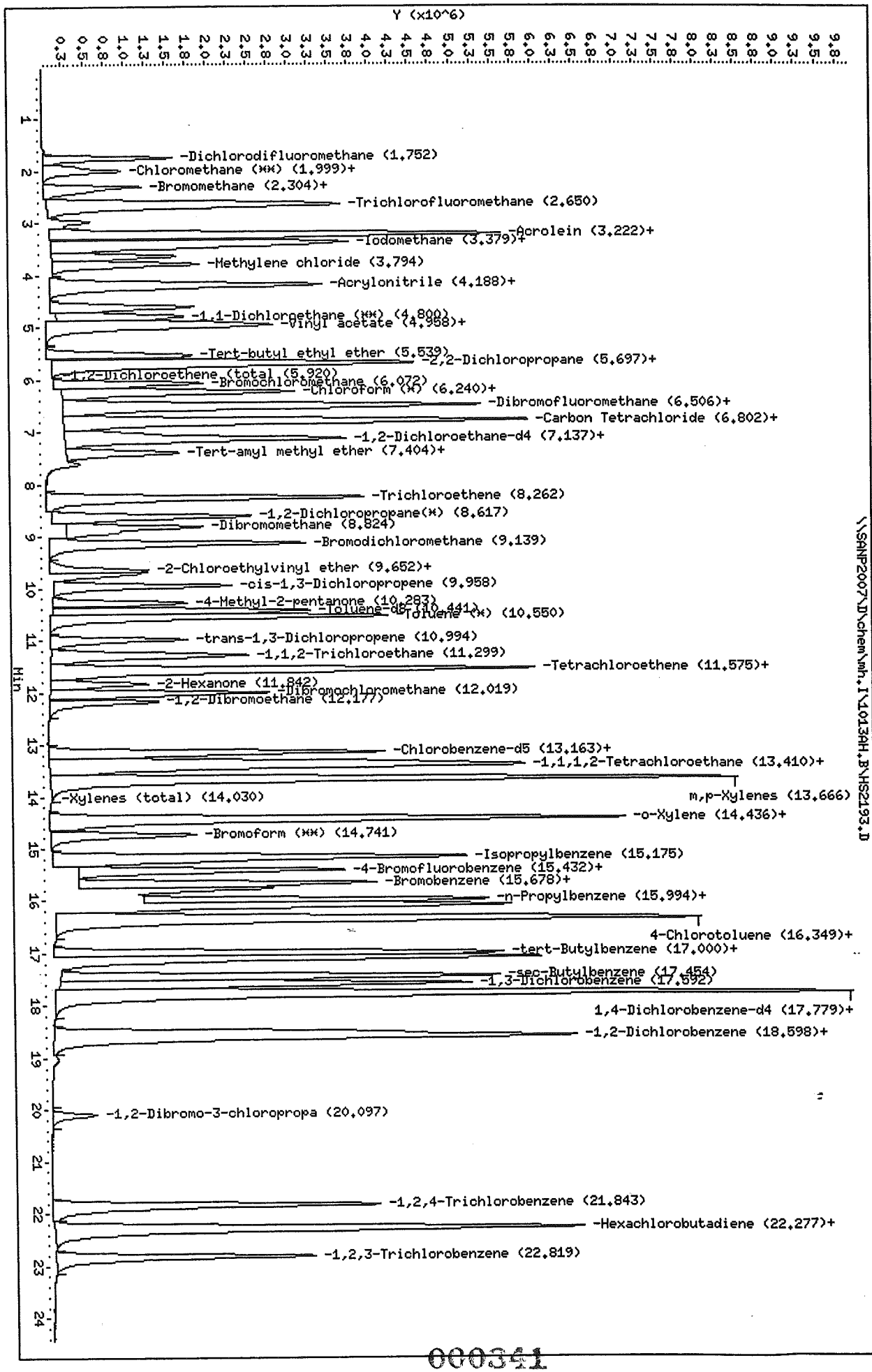
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
63 Styrene	104	14.455	14.455	(1.103)	6408423	100.000	97.42
64 Bromoform (**)	173	14.751	14.751	(1.126)	2921824	100.000	99.59
65 Isopropylbenzene	105	15.166	15.166	(1.157)	13627012	100.000	95.85
$ 66 4-Bromofluorobenzene	95	15.432	15.432	(1.178)	5060054	100.000	90.97
67 4-Bromofluorobenzene-2nd	174	15.432	15.432	(1.178)	3672734	100.000	92.32
68 Bromobenzene	156	15.678	15.678	(0.884)	4239576	100.000	102.8(A)
69 1,1,2,2-Tetrachloroethane(**)	83	15.767	15.767	(0.889)	2543732	100.000	97.80
70 1,2,3-Trichloropropane	110	15.816	15.816	(0.892)	619336	100.000	108.5(A)
71 n-Propylbenzene	91	15.994	15.994	(0.902)	16276256	100.000	103.9(A)
72 2-Chlorotoluene	126	16.103	16.103	(0.908)	3224867	100.000	97.35
73 4-Chlorotoluene	126	16.320	16.320	(0.920)	3493329	100.000	99.78
74 1,3,5-Trimethylbenzene	105	16.379	16.379	(0.924)	11291921	100.000	94.58
75 tert-Butylbenzene	119	17.000	17.000	(0.959)	12211212	100.000	96.80
76 1,2,4-Trimethylbenzene	105	17.109	17.109	(0.965)	11395848	100.000	96.58
77 sec-Butylbenzene	105	17.454	17.454	(0.984)	15488244	100.000	96.58
78 1,3-Dichlorobenzene	146	17.602	17.602	(0.993)	7092366	100.000	99.05
* 79 1,4-Dichlorobenzene-d4	152	17.730	17.730	(1.000)	431214	10.0000	
80 p-Isopropyltoluene	119	17.779	17.779	(1.003)	13261710	100.000	95.00
81 1,4-Dichlorobenzene	146	17.789	17.789	(1.003)	7377923	100.000	95.71
82 1,2-Dichlorobenzene	146	18.509	18.509	(1.044)	6092817	100.000	98.96
83 n-Butylbenzene	91	18.608	18.608	(1.050)	13913279	100.000	97.02
84 1,2-Dibromo-3-chloropropane	157	20.107	20.107	(1.134)	589979	100.000	108.1(A)
85 1,2,4-Trichlorobenzene	180	21.843	21.843	(1.232)	5054231	100.000	102.3(A)
86 Hexachlorobutadiene	225	22.277	22.277	(1.256)	4548065	100.000	87.39
87 Napthalene	128	22.306	22.306	(1.258)	4010540	100.000	100.7(A)
88 1,2,3-Trichlorobenzene	180	22.819	22.819	(1.287)	3804476	100.000	98.99

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\SANP2007\D\chem\mh.I\1013AH.B\HS2193.D
Date : 13-OCT-2000 15:24
Client ID:
Sample Info: 100 PPB 8260B STD,,,5.0,,,8260BHL.M
Purge Volume: 25.0
Column phase: J&W DB-624

Instrument: mh.i
Operator: RRT
Column diameter: 0.53



8260B INITIAL CALIBRATION DATA

DATE ANALYZED: 102400

INSTRUMENT ID: MSD

SAMPLES: E0J180165

BOE-C6-0173835

STL Los Angeles

FJK 11/3/00

GC/MS VOA Run Log

:h ID: 0301464

☐ EPA 524.2 ☐ EPA 624 ☑ SW8260B [SOP: CORP-MS-0002 Rev 2] ☑ 5030B ☐ 5035

ID: MSD | EM Set: 1682 | Tune File: BFB | Seq File: 1024AD | Date: 10.24.00

it. Cal ID: 8260 BDA

nj. ime	Analyst	File ID	Work Order #	AS #	Matrix	Sample Wt/Vol	Dil.	I.S.	Run	Rerun	pH	Comments
		D13350										EM 1706 - Tune file Adjusted
:16	GFB	LCS Check	LCS Check	1	S	5g			✓			1265-2
:21		DT 1598	50ng BFB	—	—	1ul	—	—	✓			1273-1; 66-1; 69-2 not used
:41		DS 2578	5 ppb 8260B std	1	S	5g	1	235	✓			
:43		79	5	2				234	✓			
:45		80	20	3				243	✓			73-2
:46		81	50	4				250	✓			
:48		82	100	5				254	✓			
:20		83	400	6				254	✓			
:18		D13351	LCS 1024AD	7				280	✓			1271-2
:44		52	MB 1024AD	8				268	✓			
:23		53	DLW85104	9		1g	5	257	✓			EOJ100274-38
:55		54	DLW5X104	10		1g	5	255	✓			-6
:26		55	~~DMIA1AA~~ DLW5Q104	11		5g	1	247	✓			-3 DLW5Q104
:58		56	DMIA8AA	12				241	✓			EOJ110284-28 DMIA81AA
:30		57	DMIA81AC S	13				241	✓			-28MS 1271-2
:01		58	DMIA81AD D	14				237	✓			-28MSD
:33		59	DNFXX1AC	15		1g	5	154	✓			EOJ190284-1
:04		60	DNFOG1AC	16				243	✓			-2

000122

Version 01/04/99

G:\FORMS\Run Log\MSV Runlog.DOC

BOE-C6-0173836

Data File: \\SANP2021\D\CHEM\MD.I\1024AD.B\DT1598.D

Date : 24-OCT-2000 11:21

Client ID:

Instrument: md.i

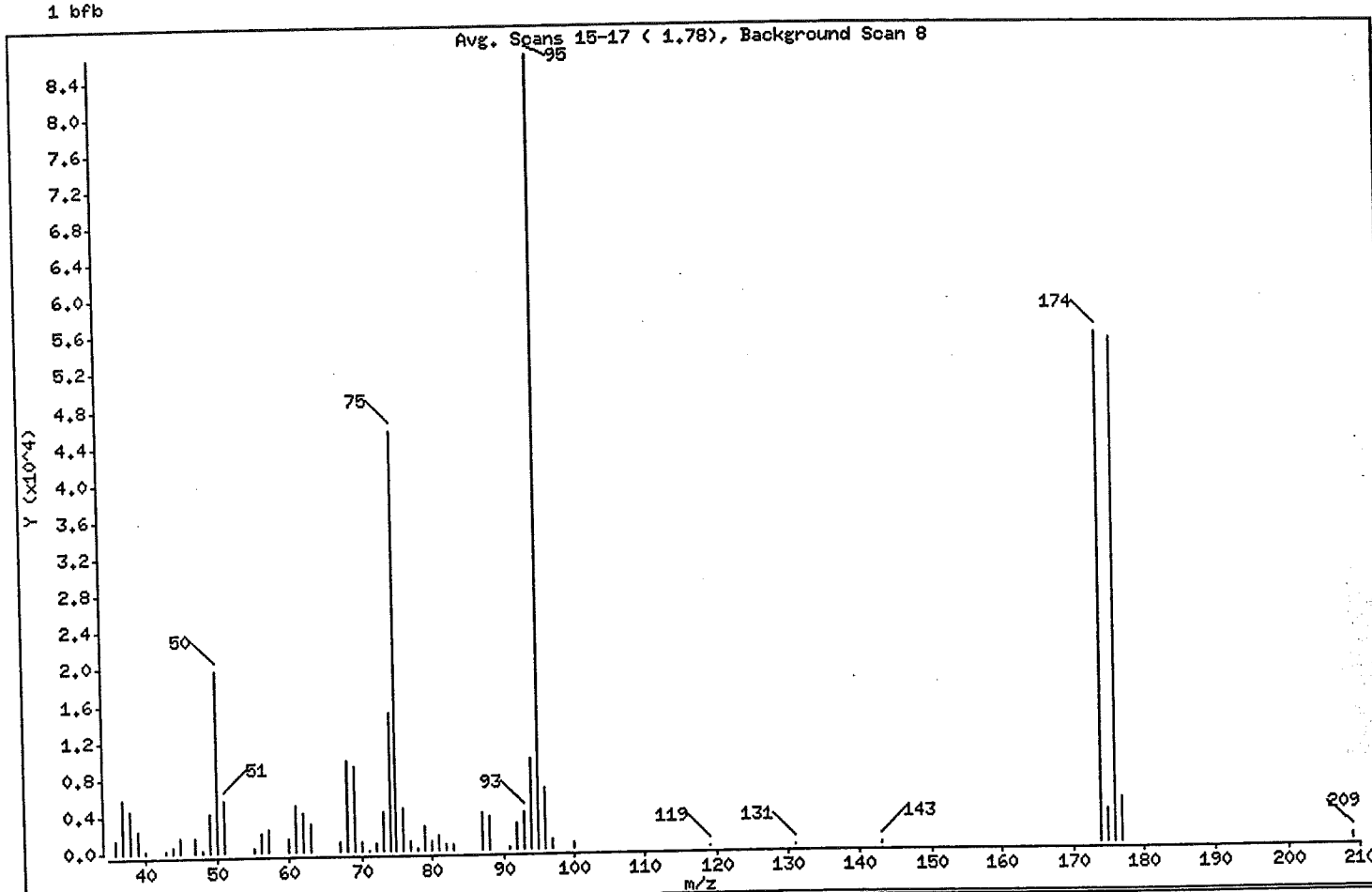
Sample Info: 50 ng BFB,bfb,,,,,,bfb.m

Operator: GFB

Column phase: J&W DB-624

Column diameter: 0.53

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	22.70
75	30.00 - 60.00% of mass 95	52.76
96	5.00 - 9.00% of mass 95	7.59
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	64.15
175	5.00 - 9.00% of mass 174	4.04 (6.30)
176	95.00 - 101.00% of mass 174	63.34 (98.73)
177	5.00 - 9.00% of mass 176	5.45 (8.61)

GFB 10/27/00

10-25-00

STL Los Angeles

Data file : \\SANP2021\D\CHEM\MD.I\1024AD.B\DT1598.D
Lab Smp Id:
Inj Date : 24-OCT-2000 11:21
Operator : GFB
Inst ID: md.i
Smp Info : 50 ng BFB,bfb,,,,,,bfb.m
Misc Info : 1uL;1265-2,,,,3,all.sub
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1024AD.B\BFB.M
Meth Date : 11-Jul-2000 09:15
Quant Type: ISTD
Cal Date :
Cal File:
Als bottle: 2
QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: all.sub
Target Version: 4.00
Sample Matrix: WATER
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * Vf * VI

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
VI	1.000	Injection Volume

RT	EXP RT	(REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
1.7788	1.8000	(0.000)	95	86501			0.00- 100.00	100.00
1.7788	1.8000	(0.000)	50	19637			15.00- 40.00	22.70
1.7788	1.8000	(0.000)	75	45634			30.00- 60.00	52.76
1.7788	1.8000	(0.000)	96	6564			5.00- 9.00	7.59
1.7788	1.8000	(0.000)	173	0			0.00- 2.00	0.00
1.7788	1.8000	(0.000)	174	55490			50.00- 0.00	64.15
1.7788	1.8000	(0.000)	175	3495			5.00- 9.00	6.30
1.7788	1.8000	(0.000)	176	54786			95.00- 101.00	98.73
1.7788	1.8000	(0.000)	177	4716			5.00- 9.00	8.61

Data File: \\SANP2021\D\CHEM\MD.I\1024AD.B\DT1598.D

Date : 24-OCT-2000 11:21

Client ID:

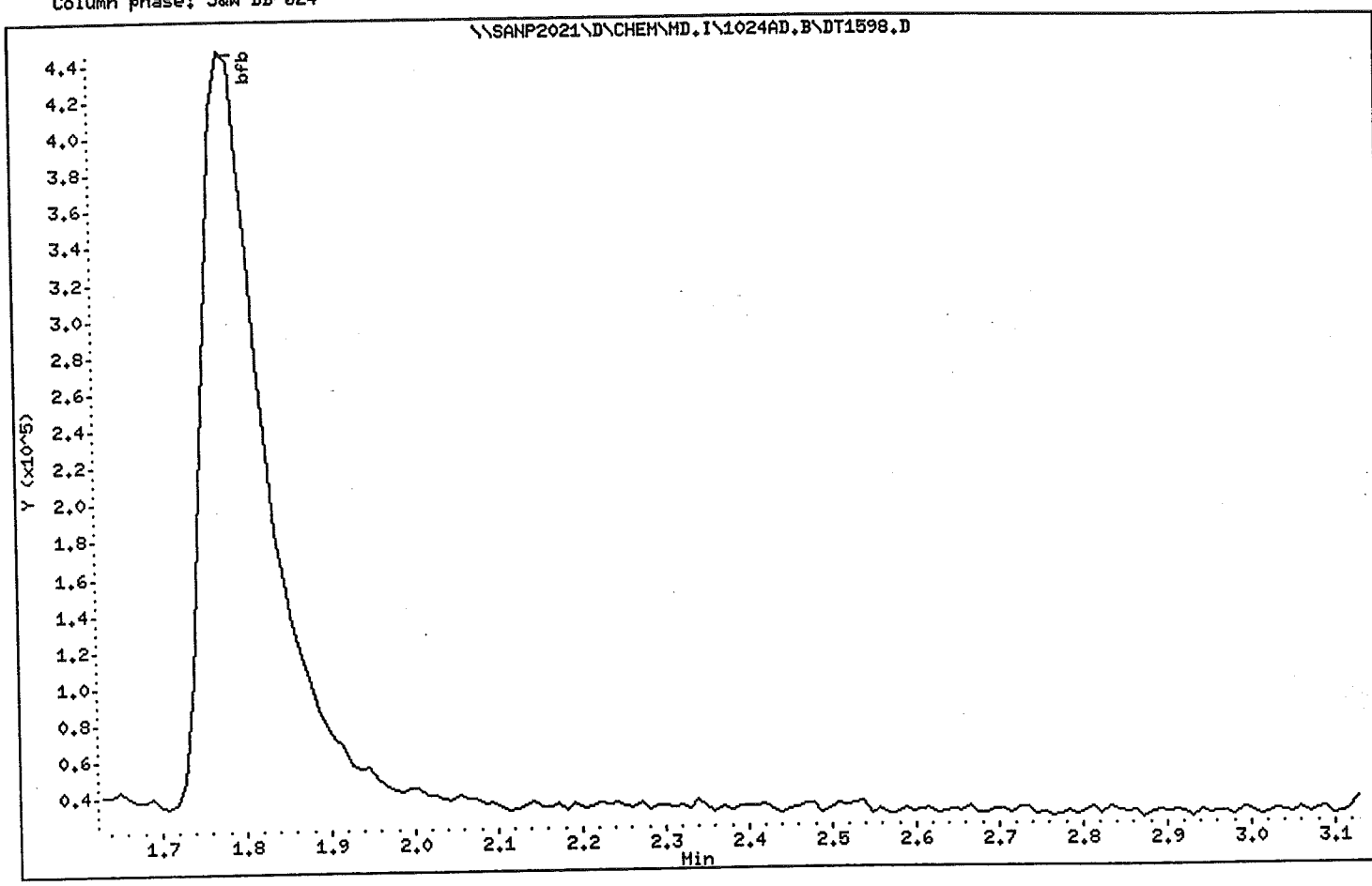
Instrument: md.i

Sample Info: 50 ng BFB,bfb,,,,,,bfb.m

Operator: GFB

Column phase: J&W DB-624

Column diameter: 0.53



Data File: \\SANP2021\D\CHEM\MD.I\1024AD.B\DT1598.D

Date : 24-OCT-2000 11:21

Client ID:

Instrument: md.i

Sample Info: 50 ng BFB,bfb,,,,,,bfb.m

Operator: GFB

Column phase: J&W DB-624

Column diameter: 0.53

Data File: DT1598.D

Spectrum: Avg. Scans 15-17 (1.78), Background Scan 8

Location of Maximum: 95.00

Number of points: 55

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1324	56.00	1989	75.00	45632	94.00	9751
37.00	5705	57.00	2328	76.00	4508	95.00	86496
38.00	4653	60.00	1345	77.00	985	96.00	6564
39.00	2299	61.00	4930	78.00	254	97.00	900
40.00	259	62.00	4239	79.00	2635	100.00	558
43.00	132	63.00	2934	80.00	992	119.00	65
44.00	602	67.00	968	81.00	1595	131.00	22
45.00	1627	68.00	9652	82.00	678	143.00	258
47.00	1555	69.00	9157	83.00	531	174.00	55488
48.00	261	70.00	1074	87.00	3955	175.00	3495
49.00	4266	71.00	18	88.00	3602	176.00	54784
50.00	19632	72.00	852	91.00	200	177.00	4716
51.00	5657	73.00	4216	92.00	2688	209.00	603
55.00	335	74.00	14829	93.00	4011		

STL Los Angeles

INITIAL CALIBRATION DATA

Start Cal Date : 24-OCT-2000 12:13
End Cal Date : 24-OCT-2000 14:20
Quant Method : ISTD
Origin : Disabled
Target Version : 4.00
Integrator : HP RTE
Method file : \\SANP2021\D\chem\md.i\1024AD.B\8260BDA.M
Cal Date : 24-Oct-2000 15:00 beckmang
Curve Type : Average

Calibration File Names:
Level 1: \\SANP2021\D\chem\md.i\1024AD.B\DS2579.D
Level 2: \\SANP2021\D\chem\md.i\1024AD.B\DS2580.D
Level 3: \\SANP2021\D\chem\md.i\1024AD.B\DS2581.D
Level 4: \\SANP2021\D\chem\md.i\1024AD.B\DS2582.D
Level 5: \\SANP2021\D\chem\md.i\1024AD.B\DS2583.D

Compound	5.000 Level 1	20.000 Level 2	50.000 Level 3	100.000 Level 4	400.000 Level 5	RRF	% RSD	
1 Dichlorodifluoromethane	0.38695	0.37847	0.36702	0.34939	0.31475	0.35932	7.963	
2 Vinyl chloride (*)	0.25123	0.24654	0.24334	0.23657	0.22527	0.24059	4.194	
3 Chloromethane (**)	0.32259	0.30257	0.26292	0.24596	0.24604	0.27602	12.613	
4 Bromomethane	0.17553	0.15673	0.16084	0.14757	0.11569	0.15127	14.742	
5 Chloroethane	0.16061	0.15450	0.14884	0.12188	0.05835	0.12884	32.668	<-
6 Trichlorofluoromethane	0.64494	0.61787	0.59352	0.55095	0.27674	0.53680	27.836	
7 Acrolein	0.01714	0.01876	0.01833	0.01817	0.01601	0.01768	6.269	
8 1,1-Dichloroethene(*)	0.30612	0.25871	0.23840	0.23088	0.18587	0.24399	17.932	
9 1,1,2-Trichlorotrifluoroethan	0.33195	0.32697	0.32014	0.30173	0.24260	0.30468	11.995	
10 Acetone	0.08278	0.06700	0.06305	0.05904	0.05224	0.06482	17.628	
11 Iodomethane	0.26537	0.29805	0.29689	0.30105	0.20150	0.27257	15.517	
12 Carbon disulfide	0.59656	0.57444	0.57146	0.54887	0.45376	0.54902	10.176	
13 Methylene chloride	0.29158	0.27808	0.27703	0.26888	0.24382	0.27188	6.500	
14 t-Butanol	0.00678	0.00708	0.00685	0.00621	0.00566	0.00651	8.843	
15 trans-1,2-Dichloroethene	0.34370	0.29156	0.28388	0.27142	0.23570	0.28525	13.695	
16 Acrylonitrile	0.05421	0.05593	0.05370	0.05231	0.04539	0.05231	7.792	
17 Methyl-tert-butyl ether[MTBE]	0.77816	0.75610	0.73696	0.70231	0.62414	0.71954	8.360	
18 1,1-Dichloroethane (**)	0.58270	0.57106	0.55196	0.53105	0.47692	0.54274	7.682	
19 Vinyl acetate	0.84216	0.84985	0.80618	0.78464	0.67910	0.79238	8.666	
20 Isopropyl ether	1.25312	1.19496	1.16928	1.09947	0.94657	1.13268	10.396	
21 2,2-Dichloropropane	0.59768	0.56832	0.54606	0.51717	0.45068	0.53598	10.465	
22 Tert-butyl ethyl ether	1.05367	1.02784	1.02142	0.97546	0.86683	0.98904	7.473	
23 cis-1,2-Dichloroethene	0.31725	0.33868	0.30714	0.29634	0.26173	0.30423	9.345	
24 2-Butanone	0.13015	0.12431	0.11601	0.11168	0.10486	0.11740	8.541	
25 Bromochloromethane	0.19229	0.18672	0.18651	0.17670	0.15811	0.18007	7.497	
26 Chloroform (*)	0.76107	0.72631	0.71689	0.68136	0.59653	0.69643	8.994	

GAB 10/27/00

10-25-00

STL Los Angeles

INITIAL CALIBRATION DATA

Start Cal Date : 24-OCT-2000 12:13
End Cal Date : 24-OCT-2000 14:20
Quant Method : ISTD
Origin : Disabled
Target Version : 4.00
Integrator : HP RTE
Method file : \\SANP2021\D\chem\md.i\1024AD.B\8260BDA.M
Cal Date : 24-Oct-2000 15:00 beckmang
Curve Type : Average

	Compound	5.000 Level 1	20.000 Level 2	50.000 Level 3	100.000 Level 4	400.000 Level 5	___ RRF	% RSD
	27 Tetrahydrofuran	0.10556	0.10492	0.10228	0.09389	0.08645	0.09862	8.361
M	28 1,2-Dichloroethene (total)	0.33047	0.31512	0.29551	0.28388	0.24872	0.29474	10.633
	30 1,1,1-Trichloroethane	0.66530	0.66343	0.65099	0.62202	0.53051	0.62645	8.995
	31 Carbon Tetrachloride	0.62723	0.61131	0.59620	0.57029	0.48559	0.57812	9.656
	32 1,1-Dichloropropene	0.59527	0.56935	0.55421	0.51759	0.44798	0.53688	10.634
	34 1,2-Dichloroethane-d4 2nd	0.10861	0.08643	0.09601	0.09373	0.08126	0.09321	11.174
	35 Benzene	0.98489	0.95938	0.93509	0.88138	0.73155	0.89846	11.223
	36 1,2-Dichloroethane	0.51250	0.50735	0.49178	0.46519	0.41641	0.47865	8.223
	37 Tert-amyl methyl ether	1.01086	1.03655	0.99431	0.94269	0.84539	0.96596	7.830
	39 Trichloroethene	0.40840	0.40364	0.41107	0.38689	0.34062	0.39012	7.491
	40 1,2-Dichloropropane(*)	0.41677	0.41975	0.41713	0.39665	0.35132	0.40033	7.223
	41 Dibromomethane	0.34622	0.34861	0.34315	0.32243	0.31714	0.33551	4.353
	42 Bromodichloromethane	0.70638	0.70977	0.72037	0.67993	0.61144	0.68558	6.423
	43 1-Bromo-2-chloroethane	0.70613	0.66443	0.65320	0.60884	0.50370	0.62726	12.318
	44 2-Chloroethylvinyl ether	0.05315	0.06088	0.06190	0.05991	0.05617	0.05840	6.242
	45 cis-1,3-Dichloropropene	0.62294	0.60869	0.61252	0.58504	0.52366	0.59057	6.755
	46 4-Methyl-2-pentanone	0.40891	0.40016	0.38970	0.36091	0.28581	0.36909	13.532
	48 Toluene (*)	1.35530	1.39581	1.40552	1.31504	1.12646	1.31962	8.623
	49 trans-1,3-Dichloropropene	0.62956	0.66519	0.68442	0.65661	0.62349	0.65186	3.883
	50 1,1,2-Trichloroethane	0.46760	0.48558	0.48060	0.45062	0.40294	0.45747	7.290
	51 Tetrachloroethene	0.47928	0.48766	0.48822	0.45502	0.38677	0.45939	9.311
	52 1,3-Dichloropropane	0.78328	0.81784	0.81712	0.76129	0.66674	0.76925	8.072
	53 2-Hexanone	0.34213	0.36647	0.35919	0.33932	0.29548	0.34052	8.115
	54 Dibromochloromethane	0.68389	0.74204	0.74261	0.71320	0.65136	0.70662	5.555
	55 1,2-Dibromoethane	0.62474	0.66215	0.67765	0.64455	0.58930	0.63968	5.377
	57 Chlorobenzene (**)	1.06091	1.06978	1.07419	1.00589	0.86844	1.01584	8.549
	58 1,1,1,2-Tetrachloroethane	0.53524	0.55911	0.56517	0.53565	0.46949	0.53293	7.122
	59 Ethylbenzene (*)	0.51015	0.51662	0.52432	0.48109	0.39501	0.48544	10.945
	60 m,p-Xylenes	0.63342	0.64665	0.64193	0.59631	0.47621	0.59890	11.919
	61 o-Xylene	0.61928	0.63445	0.63839	0.59127	0.49563	0.59580	9.898
	62 Styrene	0.95367	1.00865	1.02801	0.96733	0.81284	0.95410	8.858
M	63 Xylenes (total)	0.62870	0.64258	0.64075	0.59463	0.48269	0.59787	11.241
	64 Bromoform (**)	0.47204	0.54138	0.56784	0.55230	0.50835	0.52838	7.252

STL Los Angeles

INITIAL CALIBRATION DATA

Start Cal Date : 24-OCT-2000 12:13
End Cal Date : 24-OCT-2000 14:20
Quant Method : ISTD
Origin : Disabled
Target Version : 4.00
Integrator : HP RTE
Method file : \\SANP2021\D\chem\md.i\1024AD.B\8260BDA.M
Cal Date : 24-Oct-2000 15:00 beckmang
Curve Type : Average

Compound	5.000 Level 1	20.000 Level 2	50.000 Level 3	100.000 Level 4	400.000 Level 5	RRF	% RSD
65 Isopropylbenzene	1.86219	1.90154	1.87731	1.75880	1.44580	1.76913	10.671
66 4-Bromofluorobenzene-2nd	1.26104	0.95435	0.87199	0.85389	0.76824	0.94190	20.200
68 Bromobenzene	0.93679	0.89790	0.90462	0.87141	0.81343	0.88483	5.222
69 1,1,2,2-Tetrachloroethane(**)	1.31350	1.30699	1.27384	1.22120	1.16484	1.25607	4.995
70 1,2,3-Trichloropropane	0.35717	0.36161	0.35221	0.34465	0.33887	0.35090	2.625
71 n-Propylbenzene	3.47503	3.31559	3.49272	3.28248	2.67550	3.24826	10.268
72 2-Chlorotoluene	0.77296	0.73086	0.70243	0.66700	0.61969	0.69859	8.411
73 4-Chlorotoluene	0.85537	0.76357	0.73275	0.69524	0.62673	0.73473	11.511
74 1,3,5-Trimethylbenzene	2.80797	2.59580	2.49036	2.38305	2.04493	2.46442	11.451
75 tert-Butylbenzene	2.78488	2.64621	2.58831	2.43028	2.17785	2.52551	9.195
76 1,2,4-Trimethylbenzene	2.74666	2.61841	2.51973	2.38059	2.10451	2.47398	9.953
77 sec-Butylbenzene	3.79056	3.53622	3.46773	3.22115	2.88215	3.37956	10.183
78 1,3-Dichlorobenzene	1.63943	1.51308	1.51869	1.44087	1.30182	1.48278	8.345
80 1,4-Dichlorobenzene	1.78512	1.69590	1.60934	1.48794	1.27966	1.57159	12.513
81 p-Isopropyltoluene	3.00084	2.79364	2.72175	2.48510	2.14387	2.62904	12.472
82 1,2-Dichlorobenzene	1.55729	1.49170	1.45037	1.38336	1.25945	1.42843	7.957
83 n-Butylbenzene	2.95956	2.82786	2.75840	2.47879	2.31639	2.66820	9.883
84 1,2-Dibromo-3-chloropropane	0.30064	0.32485	0.32472	0.33382	0.37582	0.33197	8.264
85 1,2,4-Trichlorobenzene	1.23797	1.14385	1.15395	1.07003	1.06473	1.13411	6.265
86 Hexachlorobutadiene	0.53453	0.59738	0.72393	0.56416	0.67455	0.61891	12.699
87 Napthalene	2.43990	2.22288	2.16345	2.06330	1.85155	2.14822	10.041
88 1,2,3-Trichlorobenzene	1.15304	1.05398	1.06424	0.97102	0.98650	1.04576	6.931
$ 29 Dibromofluoromethane	0.74236	0.58470	0.59917	0.57174	0.45769	0.59113	17.159
$ 33 1,2-Dichloroethane-d4	0.53567	0.43490	0.41705	0.41069	0.35662	0.43098	15.175
$ 47 Toluene-d8	1.50574	1.24145	1.16675	1.11559	0.88072	1.18205	19.093
$ 67 4-Bromofluorobenzene	2.12034	1.58799	1.44481	1.40911	1.24702	1.56185	21.445

Data File: \\SANP2021\D\chem\md.i\1024AD.B/DS2583.D
Report Date: 10/24/2000

INITIAL CALIBRATION REPORT

Instrument ID: md.i
Lab File ID: DS2583.D
Analysis Type: SOIL

Injection Date: 24-OCT-2000 14:20
Lab Sample ID: 400 PPB 8260B STD
Method File: \\SANP2021\D\chem\md.i\1024AD.B\8260BDA.

COMPOUND	%RSD
Dichlorodifluoromethane	8.0
Chloromethane (**)	12.6
Vinyl chloride (*)	4.2
Bromomethane	14.7
Chloroethane	32.7
Trichlorofluoromethane	27.8
Acrolein	6.3
1,1-Dichloroethene(*)	17.9
1,1,2-Trichlorotrifluoroethan	12.0
Acetone	17.6
Iodomethane	15.5
Carbon disulfide	10.2
Methylene chloride	6.5
trans-1,2-Dichloroethene	13.7
Acrylonitrile	7.8
t-Butanol	8.8
Methyl-tert-butyl ether[MTBE]	8.4
1,1-Dichloroethane (**)	7.7
Vinyl acetate	8.7
Isopropyl ether	10.4
Tert-butyl ethyl ether	7.5
2,2-Dichloropropane	10.5
cis-1,2-Dichloroethene	9.3
2-Butanone	8.5
Bromochloromethane	7.5
Tetrahydrofuran	8.4
Chloroform (*)	9.0
1,2-Dichloroethene (total)	10.6
1,1,1-Trichloroethane	9.0
Dibromofluoromethane	17.2
Carbon Tetrachloride	9.7
1,1-Dichloropropene	10.6
1,2-Dichloroethane-d4 2nd	11.2
1,2-Dichloroethane-d4	15.2
Benzene	11.2
1,2-Dichloroethane	8.2
Tert-amyl methyl ether	7.8
Trichloroethene	7.5
1,2-Dichloropropane(*)	7.2

Data File: \\SANP2021\D\chem\md.i\1024AD.B/DS2583.D
Report Date: 10/24/2000

INITIAL CALIBRATION REPORT

Instrument ID: md.i
Lab File ID: DS2583.D
Analysis Type: SOIL

Injection Date: 24-OCT-2000 14:20
Lab Sample ID: 400 PPB 8260B STD
Method File: \\SANP2021\D\chem\md.i\1024AD.B\8

COMPOUND	%RSD
Dibromomethane	4.4
Bromodichloromethane	6.4
1-Bromo-2-chloroethane	12.3
2-Chloroethylvinyl ether	6.2
cis-1,3-Dichloropropene	6.8
4-Methyl-2-pentanone	13.5
Toluene-d8	19.1
Toluene (*)	8.6
trans-1,3-Dichloropropene	3.9
1,1,2-Trichloroethane	7.3
Tetrachloroethene	9.3
1,3-Dichloropropane	8.1
2-Hexanone	8.1
Dibromochloromethane	5.6
1,2-Dibromoethane	5.4
Chlorobenzene (**)	8.5
1,1,1,2-Tetrachloroethane	7.1
Ethylbenzene (*)	10.9
m,p-Xylenes	11.9
o-Xylene	9.9
Styrene	8.9
Xylenes (total)	11.2
Bromoform (**)	7.3
Isopropylbenzene	10.7
4-Bromofluorobenzene-2nd	20.2
4-Bromofluorobenzene	21.4
Bromobenzene	5.2
1,1,2,2-Tetrachloroethane(**)	5.0
1,2,3-Trichloropropane	2.6
n-Propylbenzene	10.3
2-Chlorotoluene	8.4
4-Chlorotoluene	11.5
1,3,5-Trimethylbenzene	11.5
tert-Butylbenzene	9.2
1,2,4-Trimethylbenzene	10.0
sec-Butylbenzene	10.2
1,3-Dichlorobenzene	8.3
p-Isopropyltoluene	12.5
1,4-Dichlorobenzene	12.5

Data File: \\SANP2021\D\chem\md.i\1024AD.B/DS2583.D
Report Date: 10/24/2000

INITIAL CALIBRATION REPORT

Instrument ID: md.i
Lab File ID: DS2583.D
Analysis Type: SOIL

Injection Date: 24-OCT-2000 14:20
Lab Sample ID: 400 PPB 8260B STD
Method File: \\SANP2021\D\chem\md.i\1024AD.B\8

COMPOUND	%RSD
1,2-Dichlorobenzene	8.0
n-Butylbenzene	9.9
1,2-Dibromo-3-chloropropane	8.3
1,2,4-Trichlorobenzene	6.3
Hexachlorobutadiene	12.7
Napthalene	10.0
1,2,3-Trichlorobenzene	6.9

The average of all %RSD's in the initial calibration is 10.2

AB 10/27/00
10-25-00

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: md.i
Lab File ID: DS2579.D
Lab Smp Id: 5 PPB 8260B STD
Analysis Type: VOA
Quant Type: ISTD
Operator: GFB
Method File: \\SANP2021\D\chem\md.i\1024AD.B\8260BDA.m
Misc Info: 1273-1;66-1;69-2,,5,,1,all.SUB

Calibration Date: 24-OCT-2000
Calibration Time: 13:16

Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	2508747	1254374	5017494	2342636	-6.62
56 Chlorobenzene-d5	1950718	975359	3901436	1966535	0.81
79 1,4-Dichlorobenze	1222973	611487	2445946	1140656	-6.73

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	7.09	6.59	7.59	7.09	0.04
56 Chlorobenzene-d5	12.60	12.10	13.10	12.60	-0.06
79 1,4-Dichlorobenze	17.24	16.74	17.74	17.24	-0.04

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: md.i
Lab File ID: DS2580.D
Lab Smp Id: 20 PPB 8260B STD
Analysis Type: VOA
Quant Type: ISTD
Operator: GFB
Method File: \\SANP2021\D\chem\md.i\1024AD.B\8260BDA.m
Misc Info: 1273-1;66-1;69-2,,5,,1,all.SUB

Calibration Date: 24-OCT-2000
Calibration Time: 13:16

Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	2508747	1254374	5017494	2436120	-2.89
56 Chlorobenzene-d5	1950718	975359	3901436	1924119	-1.36
79 1,4-Dichlorobenze	1222973	611487	2445946	1184566	-3.14

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	7.09	6.59	7.59	7.08	-0.07
56 Chlorobenzene-d5	12.60	12.10	13.10	12.60	-0.04
79 1,4-Dichlorobenze	17.24	16.74	17.74	17.24	-0.03

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\SANP2021\D\chem\md.i\1024AD.B\DS2581.D
Report Date: 24-Oct-2000 15:57

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: md.i
Lab File ID: DS2581.D
Lab Smp Id: 50 PPB 8260B STD
Analysis Type: VOA
Quant Type: ISTD
Operator: GFB
Method File: \\SANP2021\D\chem\md.i\1024AD.B\8260BDA.m
Misc Info: 1273-1;66-1;73-2,,5,,1,all.SUB

Calibration Date: 24-OCT-2000
Calibration Time: 13:16

Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	2508747	1254374	5017494	2508747	0.00
56 Chlorobenzene-d5	1950718	975359	3901436	1950718	0.00
79 1,4-Dichlorobenze	1222973	611487	2445946	1222973	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	7.09	6.59	7.59	7.09	0.00
56 Chlorobenzene-d5	12.60	12.10	13.10	12.60	0.00
79 1,4-Dichlorobenze	17.24	16.74	17.74	17.24	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: md.i
Lab File ID: DS2582.D
Lab Smp Id: 100 PPB 8260B STD
Analysis Type: VOA
Quant Type: ISTD
Operator: GFB
Method File: \\SANP2021\D\chem\md.i\1024AD.B\8260BDA.m
Misc Info: 1273-1;66-1;73-2,,5,,1,all.SUB

Calibration Date: 24-OCT-2000
Calibration Time: 13:16

Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	2508747	1254374	5017494	2548183	1.57
56 Chlorobenzene-d5	1950718	975359	3901436	1972669	1.13
79 1,4-Dichlorobenze	1222973	611487	2445946	1211852	-0.91

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	7.09	6.59	7.59	7.09	0.04
56 Chlorobenzene-d5	12.60	12.10	13.10	12.60	-0.06
79 1,4-Dichlorobenze	17.24	16.74	17.74	17.25	0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: md.i
Lab File ID: DS2583.D
Lab Smp Id: 400 PPB 8260B STD
Analysis Type: VOA
Quant Type: ISTD
Operator: GFB
Method File: \\SANP2021\D\chem\md.i\1024AD.B\8260BDA.m
Misc Info: 1273-1;66-1;73-2,,5,,1,all.SUB

Calibration Date: 24-OCT-2000
Calibration Time: 13:16

Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	2508747	1254374	5017494	2541892	1.32
56 Chlorobenzene-d5	1950718	975359	3901436	1911330	-2.02
79 1,4-Dichlorobenze	1222973	611487	2445946	1069873	-12.52

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	7.09	6.59	7.59	7.09	0.05
56 Chlorobenzene-d5	12.60	12.10	13.10	12.60	-0.05
79 1,4-Dichlorobenze	17.24	16.74	17.74	17.27	0.14

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\chem\md.i\1024AD.B\DS2579.D
Lab Smp Id: 5 PPB 8260B STD
Inj Date : 24-OCT-2000 12:13
Operator : GFB
Inst ID: md.i
Smp Info : 5 PPB 8260B STD,,,1,0,,,8260BDA.M
Misc Info : 1273-1;66-1;69-2,,5,,1,all.SUB
Comment :
Method : \\SANP2021\D\chem\md.i\1024AD.B\8260BDA.m
Meth Date : 24-Oct-2000 15:08 beckmang
Quant Type: ISTD
Cal Date : 24-OCT-2000 12:13
Cal File: DS2579.D
Als bottle: 2
Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: all.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
1 Dichlorodifluoromethane	85	1.464	1.495	(0.207)	90649	5.00000	5.38
2 Vinyl chloride (*)	62	1.701	1.731	(0.240)	58855	5.00000	5.22
3 Chloromethane (**)	50	1.632	1.633	(0.230)	75572	5.00000	5.84
4 Bromomethane	94	1.986	1.978	(0.280)	41120	5.00000	5.80
5 Chloroethane	64	2.075	2.096	(0.293)	37626	5.00000	6.23
6 Trichlorofluoromethane	101	2.292	2.313	(0.323)	151087	5.00000	6.01
7 Acrolein	56	2.696	2.726	(0.380)	40158	50.0000	48.48
8 1,1-Dichloroethene(*)	96	2.784	2.766	(0.393)	71712	5.00000	6.27
9 1,1,2-Trichlorotrifluoroethan	151	2.804	2.766	(0.396)	77763	5.00000	5.45
10 Acetone	43	2.863	2.923	(0.404)	96967	25.0000	31.93
11 Iodomethane	142	2.952	2.923	(0.416)	124333	10.0000	9.74
12 Carbon disulfide	76	3.001	2.982	(0.423)	139752	5.00000	5.43
13 Methylene chloride	84	3.326	3.337	(0.469)	68307	5.00000	5.36
14 t-Butanol	59	3.553	3.712	(0.501)	39702	125.000	130.1(a)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
15 trans-1,2-Dichloroethene	96	3.661	3.652	(0.516)	80516	5.00000	6.02
16 Acrylonitrile	53	3.651	3.692	(0.515)	126995	50.0000	51.82
17 Methyl-tert-butyl ether[MTBE]	73	3.691	3.731	(0.521)	182295	5.00000	5.41
18 1,1-Dichloroethane (**)	63	4.262	4.263	(0.601)	136506	5.00000	5.37
19 Vinyl acetate	43	4.390	4.411	(0.619)	394574	10.0000	10.63
20 Isopropyl ether	45	4.420	4.460	(0.623)	293560	5.00000	5.53
21 2,2-Dichloropropane	77	5.139	5.140	(0.725)	140015	5.00000	5.58
22 Tert-butyl ethyl ether	59	5.001	5.012	(0.705)	246837	5.00000	5.33
23 cis-1,2-Dichloroethene	96	5.168	5.170	(0.729)	74319	5.00000	5.21
24 2-Butanone	43	5.267	5.298	(0.743)	152442	25.0000	27.71
25 Bromochloromethane	128	5.553	5.554	(0.783)	45047	5.00000	5.34
26 Chloroform (*)	83	5.710	5.721	(0.805)	178290	5.00000	5.46
27 Tetrahydrofuran	42	5.651	5.692	(0.797)	24730	5.00000	5.35
M 28 1,2-Dichloroethene (total)	100				154835	10.0000	11.24
$ 29 Dibromofluoromethane	111	5.976	5.987	(0.843)	173907	5.00000	6.28
30 1,1,1-Trichloroethane	97	5.967	5.948	(0.842)	155856	5.00000	5.31
31 Carbon Tetrachloride	117	6.223	6.234	(0.878)	146938	5.00000	5.42
32 1,1-Dichloropropene	75	6.252	6.244	(0.882)	139449	5.00000	5.54
$ 33 1,2-Dichloroethane-d4	65	6.508	6.519	(0.918)	125487	5.00000	6.21
34 1,2-Dichloroethane-d4 2nd	102	6.508	6.519	(0.918)	25443	5.00000	5.83
35 Benzene	78	6.587	6.579	(0.929)	230723	5.00000	5.48
36 1,2-Dichloroethane	62	6.636	6.647	(0.936)	120061	5.00000	5.35
37 Tert-amyl methyl ether	73	6.863	6.884	(0.968)	236807	5.00000	5.23
* 38 Fluorobenzene	96	7.090	7.091	(1.000)	2342636	50.0000	
39 Trichloroethene	130	7.730	7.721	(1.090)	95673	5.00000	5.23
40 1,2-Dichloropropane(*)	63	8.104	8.115	(1.143)	97633	5.00000	5.20
41 Dibromomethane	93	8.302	8.313	(1.171)	81106	5.00000	5.16
42 Bromodichloromethane	83	8.636	8.647	(1.218)	165479	5.00000	5.15
43 1-Bromo-2-chloroethane	63	9.159	9.160	(1.292)	165421	5.00000	5.63
44 2-Chloroethylvinyl ether	106	9.247	9.258	(1.304)	24903	10.0000	9.10
45 cis-1,3-Dichloropropene	75	9.454	9.455	(1.334)	145932	5.00000	5.27
46 4-Methyl-2-pentanone	43	9.799	9.830	(1.382)	478963	25.0000	27.70
$ 47 Toluene-d8	98	9.908	9.918	(0.786)	296109	5.00000	6.37
48 Toluene (*)	91	10.026	10.046	(0.796)	266525	5.00000	5.14
49 trans-1,3-Dichloropropene	75	10.499	10.510	(0.833)	123806	5.00000	4.83(a)
50 1,1,2-Trichloroethane	97	10.834	10.844	(0.860)	91956	5.00000	5.11
51 Tetrachloroethene	164	11.021	11.032	(0.875)	94252	5.00000	5.22
52 1,3-Dichloropropane	76	11.119	11.130	(0.883)	154034	5.00000	5.09
53 2-Hexanone	43	11.356	11.396	(0.901)	336401	25.0000	25.12
54 Dibromochloromethane	129	11.523	11.544	(0.915)	134490	5.00000	4.84(a)
55 1,2-Dibromoethane	107	11.681	11.702	(0.927)	122858	5.00000	4.88(a)
* 56 Chlorobenzene-d5	117	12.597	12.598	(1.000)	1966535	50.0000	
57 Chlorobenzene (**)	112	12.646	12.667	(1.004)	208631	5.00000	5.22
58 1,1,1,2-Tetrachloroethane	131	12.834	12.854	(1.019)	105257	5.00000	5.02
59 Ethylbenzene (*)	106	12.903	12.923	(1.024)	100322	5.00000	5.25
60 m,p-Xylenes	106	13.159	13.170	(1.045)	249127	10.0000	10.58
61 o-Xylene	106	13.907	13.928	(1.104)	121783	5.00000	5.20

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
	62 Styrene	104	13.937	13.977	(1.106)	187542	5.00000	5.00
M	63 Xylenes (total)	100				370910	15.0000	15.77
	64 Bromoform (**)	173	14.252	14.273	(1.131)	92828	5.00000	4.47(a)
	65 Isopropylbenzene	105	14.666	14.687	(1.164)	366207	5.00000	5.26
	66 4-Bromofluorobenzene-2nd	174	14.942	14.963	(0.867)	143841	5.00000	6.69
$	67 4-Bromofluorobenzene	95	14.942	14.963	(0.867)	241858	5.00000	6.79
	68 Bromobenzene	156	15.159	15.199	(0.879)	106855	5.00000	5.29
	69 1,1,2,2-Tetrachloroethane(**)	83	15.306	15.347	(0.888)	149825	5.00000	5.23
	70 1,2,3-Trichloropropane	110	15.346	15.367	(0.890)	40741	5.00000	5.09
	71 n-Propylbenzene	91	15.484	15.524	(0.898)	396381	5.00000	5.35
	72 2-Chlorotoluene	126	15.592	15.633	(0.905)	88168	5.00000	5.53
	73 4-Chlorotoluene	126	15.829	15.849	(0.918)	97568	5.00000	5.82
	74 1,3,5-Trimethylbenzene	105	15.868	15.899	(0.921)	320293	5.00000	5.70
	75 tert-Butylbenzene	119	16.508	16.529	(0.958)	317659	5.00000	5.51
	76 1,2,4-Trimethylbenzene	105	16.597	16.638	(0.963)	313299	5.00000	5.55
	77 sec-Butylbenzene	105	16.952	16.982	(0.983)	432373	5.00000	5.61
	78 1,3-Dichlorobenzene	146	17.100	17.130	(0.992)	187002	5.00000	5.53
*	79 1,4-Dichlorobenzene-d4	152	17.238	17.268	(1.000)	1140656	50.0000	
	80 1,4-Dichlorobenzene	146	17.287	17.327	(1.003)	203621	5.00000	5.68
	81 p-Isopropyltoluene	119	17.277	17.298	(1.002)	342293	5.00000	5.71
	82 1,2-Dichlorobenzene	146	18.006	18.037	(1.045)	177633	5.00000	5.45
	83 n-Butylbenzene	91	18.105	18.135	(1.050)	337584	5.00000	5.54
	84 1,2-Dibromo-3-chloropropane	157	19.632	19.652	(1.139)	34293	5.00000	4.53(a)
	85 1,2,4-Trichlorobenzene	180	21.336	21.357	(1.238)	141210	5.00000	5.46
	86 Hexachlorobutadiene	225	21.770	21.790	(1.263)	60971	5.00000	4.32(a)
	87 Napthalene	128	21.809	21.830	(1.265)	278309	5.00000	5.68
	88 1,2,3-Trichlorobenzene	180	22.321	22.352	(1.295)	131522	5.00000	5.51

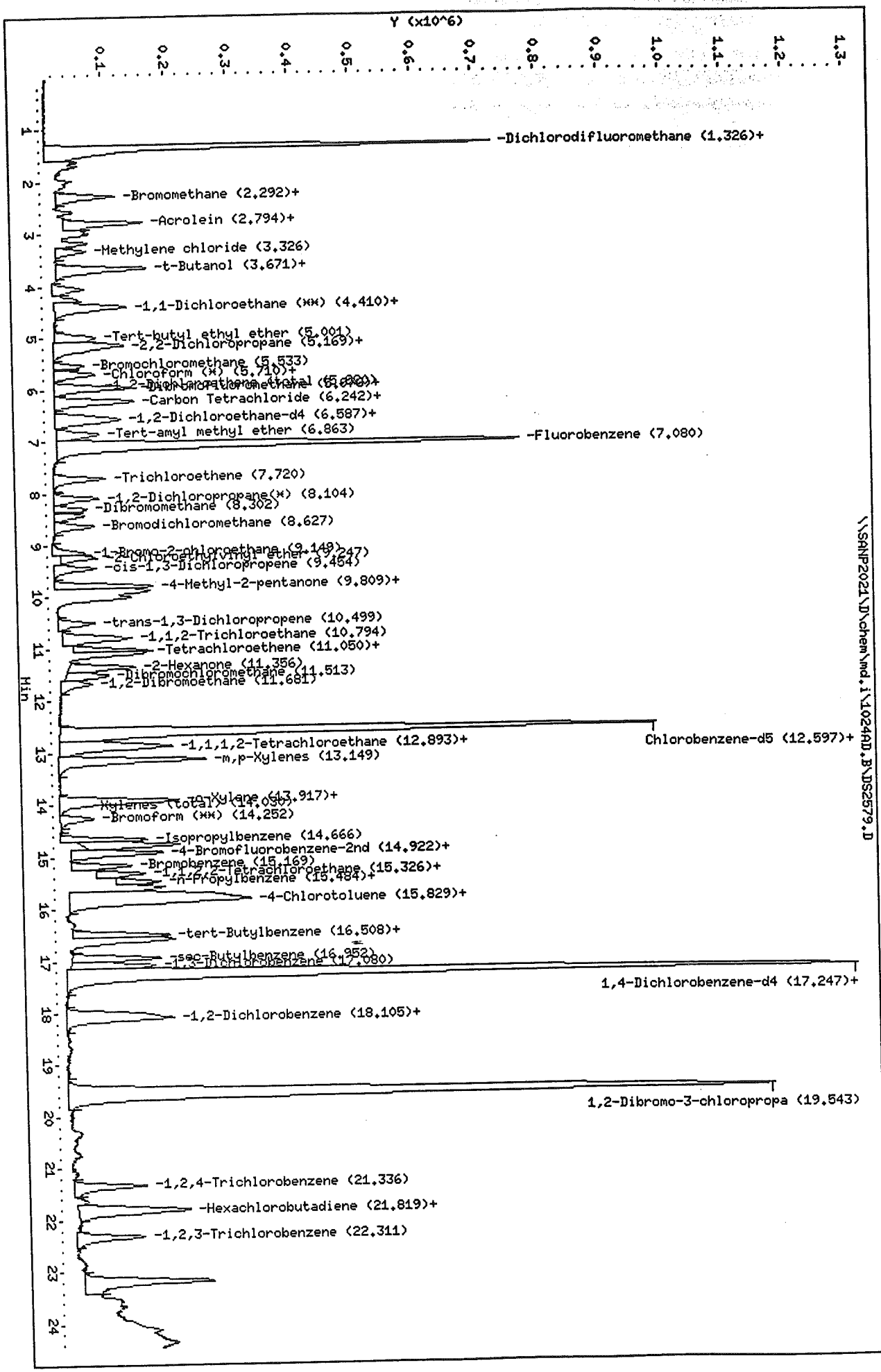
QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: \\SANP2021\D\chem\md.i\1024AD.B\DS2579.D
Date : 24-OCT-2000 12:13
Client ID:
Sample Info: 5 PPB 8260B STD,,1.0,,8260BDA.M

Column phase: J&W DB-624

Instrument: md.i
Operator: GFB
Column diameter: 0.53



000362

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\chem\md.i\1024AD.B\DS2580.D
Lab Smp Id: 20 PPB 8260B STD
Inj Date : 24-OCT-2000 12:45
Operator : GFB
Inst ID: md.i
Smp Info : 20 PPB 8260B STD,,,2,0,,,8260BDA.M
Misc Info : 1273-1;66-1;69-2,,5,,1,all.SUB
Comment :
Method : \\SANP2021\D\chem\md.i\1024AD.B\8260BDA.m
Meth Date : 24-Oct-2000 15:08 beckmang
Quant Type: ISTD
Cal Date : 24-OCT-2000 12:13
Cal File: DS2579.D
Als bottle: 3
Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: all.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
1 Dichlorodifluoromethane	85	1.467	1.495	(0.207)	368800	20.0000	21.07
2 Vinyl chloride (*)	62	1.703	1.731	(0.240)	240239	20.0000	20.49
3 Chloromethane (**)	50	1.624	1.633	(0.229)	294838	20.0000	21.92
4 Bromomethane	94	1.979	1.978	(0.279)	152726	20.0000	20.72
5 Chloroethane	64	2.067	2.096	(0.292)	150555	20.0000	23.98
6 Trichlorofluoromethane	101	2.284	2.313	(0.323)	602079	20.0000	23.02
7 Acrolein	56	2.698	2.726	(0.381)	182761	200.000	212.2(A)
8 1,1-Dichloroethene(*)	96	2.777	2.766	(0.392)	252095	20.0000	21.20
9 1,1,2-Trichlorotrifluoroethan	151	2.787	2.766	(0.393)	318611	20.0000	21.46
10 Acetone	43	2.866	2.923	(0.405)	326431	100.000	103.4
11 Iodomethane	142	2.934	2.923	(0.414)	580875	40.0000	43.74
12 Carbon disulfide	76	3.003	2.982	(0.424)	559766	20.0000	20.93
13 Methylene chloride	84	3.329	3.337	(0.470)	270971	20.0000	20.46
14 t-Butanol	59	3.555	3.712	(0.502)	172394	500.000	543.3

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
15 trans-1,2-Dichloroethene	96	3.674	3.652	(0.519)	284110	20.0000	20.44
16 Acrylonitrile	53	3.644	3.692	(0.515)	544977	200.000	213.8(A)
17 Methyl-tert-butyl ether[MTBE]	73	3.693	3.731	(0.521)	736779	20.0000	21.02
18 1,1-Dichloroethane (**)	63	4.255	4.263	(0.601)	556469	20.0000	21.04
19 Vinyl acetate	43	4.383	4.411	(0.619)	1656267	40.0000	42.90
20 Isopropyl ether	45	4.422	4.460	(0.624)	1164423	20.0000	21.10
21 2,2-Dichloropropane	77	5.141	5.140	(0.726)	553796	20.0000	21.21
22 Tert-butyl ethyl ether	59	5.003	5.012	(0.706)	1001578	20.0000	20.78
23 cis-1,2-Dichloroethene	96	5.161	5.170	(0.729)	330026	20.0000	22.26
24 2-Butanone	43	5.260	5.298	(0.743)	605652	100.000	105.9
25 Bromochloromethane	128	5.545	5.554	(0.783)	181950	20.0000	20.74
26 Chloroform (*)	83	5.713	5.721	(0.807)	707747	20.0000	20.86
27 Tetrahydrofuran	42	5.664	5.692	(0.800)	102241	20.0000	21.28
M 28 1,2-Dichloroethene (total)	100				614136	40.0000	42.71
$ 29 Dibromofluoromethane	111	5.969	5.987	(0.843)	569763	20.0000	19.78
30 1,1,1-Trichloroethane	97	5.949	5.948	(0.840)	646477	20.0000	21.18
31 Carbon Tetrachloride	117	6.235	6.234	(0.880)	595692	20.0000	21.15
32 1,1-Dichloropropene	75	6.235	6.244	(0.880)	554803	20.0000	21.21
$ 33 1,2-Dichloroethane-d4	65	6.511	6.519	(0.919)	423784	20.0000	20.18
34 1,2-Dichloroethane-d4 2nd	102	6.501	6.519	(0.918)	84220	20.0000	18.54
35 Benzene	78	6.590	6.579	(0.930)	934866	20.0000	21.36
36 1,2-Dichloroethane	62	6.639	6.647	(0.937)	494387	20.0000	21.20
37 Tert-amyl methyl ether	73	6.866	6.884	(0.969)	1010063	20.0000	21.46
* 38 Fluorobenzene	96	7.082	7.091	(1.000)	2436120	50.0000	
39 Trichloroethene	130	7.723	7.721	(1.090)	393329	20.0000	20.69
40 1,2-Dichloropropane(*)	63	8.107	8.115	(1.145)	409029	20.0000	20.97
41 Dibromomethane	93	8.304	8.313	(1.172)	339705	20.0000	20.78
42 Bromodichloromethane	83	8.639	8.647	(1.220)	691637	20.0000	20.70
43 1-Bromo-2-chloroethane	63	9.142	9.160	(1.291)	647455	20.0000	21.18
44 2-Chloroethylvinyl ether	106	9.240	9.258	(1.305)	118649	40.0000	41.70
45 cis-1,3-Dichloropropene	75	9.447	9.455	(1.334)	593140	20.0000	20.61
46 4-Methyl-2-pentanone	43	9.792	9.830	(1.383)	1949664	100.000	108.4
$ 47 Toluene-d8	98	9.910	9.918	(0.787)	955480	20.0000	21.00
48 Toluene (*)	91	10.018	10.046	(0.795)	1074278	20.0000	21.15
49 trans-1,3-Dichloropropene	75	10.511	10.510	(0.834)	511965	20.0000	20.41
50 1,1,2-Trichloroethane	97	10.816	10.844	(0.858)	373726	20.0000	21.23
51 Tetrachloroethene	164	11.033	11.032	(0.876)	375324	20.0000	21.23
52 1,3-Dichloropropane	76	11.112	11.130	(0.882)	629451	20.0000	21.26
53 2-Hexanone	43	11.358	11.396	(0.901)	1410256	100.000	107.6
54 Dibromochloromethane	129	11.526	11.544	(0.915)	571111	20.0000	21.00
55 1,2-Dibromoethane	107	11.683	11.702	(0.927)	509625	20.0000	20.70
* 56 Chlorobenzene-d5	117	12.600	12.598	(1.000)	1924119	50.0000	
57 Chlorobenzene (**)	112	12.649	12.667	(1.004)	823352	20.0000	21.06
58 1,1,1,2-Tetrachloroethane	131	12.836	12.854	(1.019)	430321	20.0000	20.98
59 Ethylbenzene (*)	106	12.905	12.923	(1.024)	397616	20.0000	21.28
60 m,p-Xylenes	106	13.151	13.170	(1.044)	995379	40.0000	43.19
61 o-Xylene	106	13.900	13.928	(1.103)	488301	20.0000	21.30

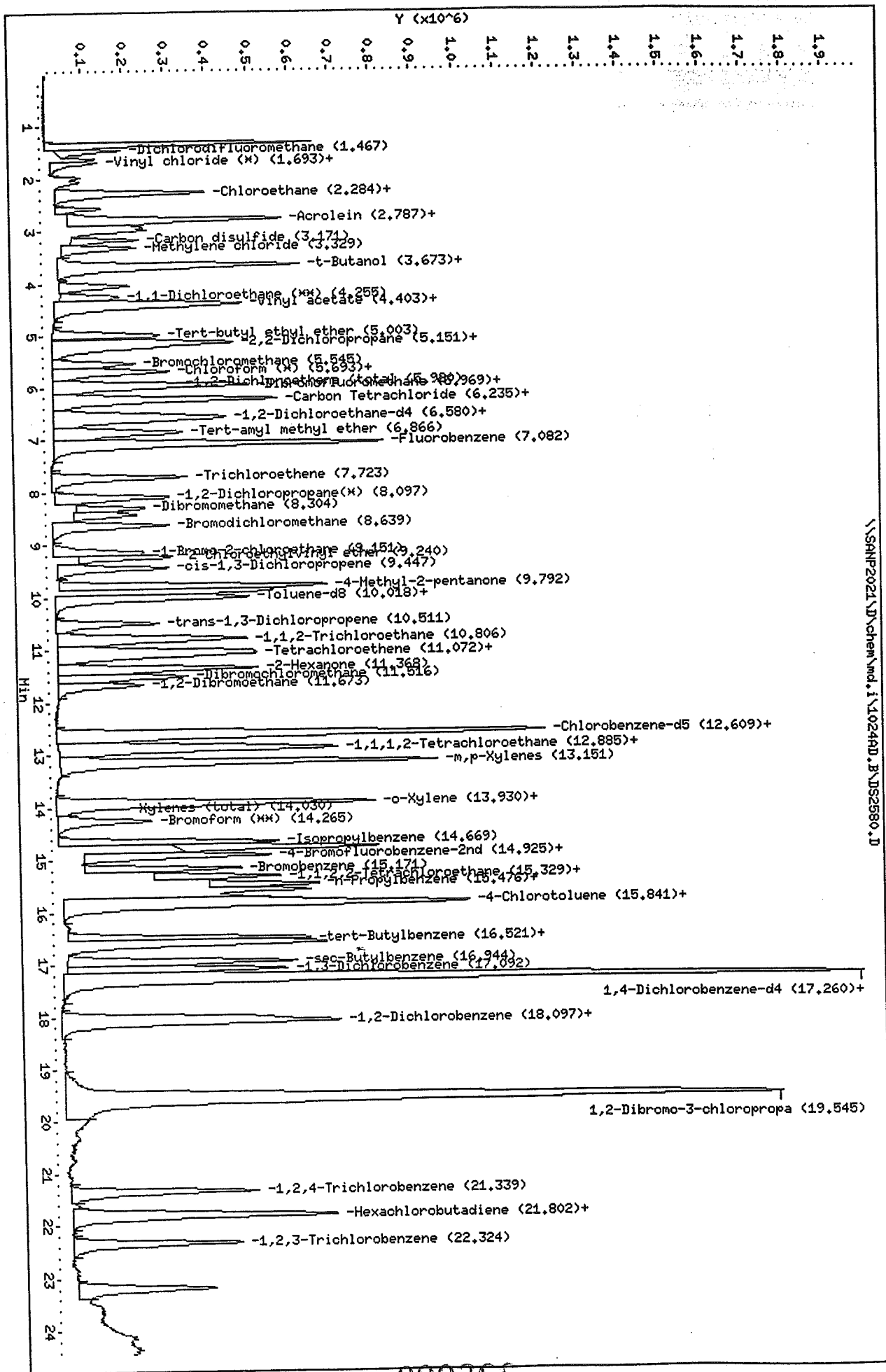
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
	62 Styrene	104	13.949	13.977	(1.107)	776308	20.0000	21.14
M	63 Xylenes (total)	100				1483680	60.0000	64.48
	64 Bromoform (**)	173	14.265	14.273	(1.132)	416674	20.0000	20.49
	65 Isopropylbenzene	105	14.669	14.687	(1.164)	1463515	20.0000	21.50
	66 4-Bromofluorobenzene-2nd	174	14.925	14.963	(0.866)	452195	20.0000	20.26
$	67 4-Bromofluorobenzene	95	14.935	14.963	(0.866)	752430	20.0000	20.33
	68 Bromobenzene	156	15.171	15.199	(0.880)	425447	20.0000	20.30
	69 1,1,2,2-Tetrachloroethane(**)	83	15.319	15.347	(0.889)	619287	20.0000	20.81
	70 1,2,3-Trichloropropane	110	15.339	15.367	(0.890)	171341	20.0000	20.61
	71 n-Propylbenzene	91	15.496	15.524	(0.899)	1571014	20.0000	20.41
	72 2-Chlorotoluene	126	15.595	15.633	(0.905)	346303	20.0000	20.92
	73 4-Chlorotoluene	126	15.821	15.849	(0.918)	361800	20.0000	20.78
	74 1,3,5-Trimethylbenzene	105	15.871	15.899	(0.921)	1229957	20.0000	21.07
	75 tert-Butylbenzene	119	16.511	16.529	(0.958)	1253842	20.0000	20.96
	76 1,2,4-Trimethylbenzene	105	16.609	16.638	(0.963)	1240670	20.0000	21.17
	77 sec-Butylbenzene	105	16.954	16.982	(0.983)	1675554	20.0000	20.93
	78 1,3-Dichlorobenzene	146	17.092	17.130	(0.991)	716939	20.0000	20.41
*	79 1,4-Dichlorobenzene-d4	152	17.240	17.268	(1.000)	1184566	50.0000	
	80 1,4-Dichlorobenzene	146	17.279	17.327	(1.002)	803562	20.0000	21.58
	81 p-Isopropyltoluene	119	17.279	17.298	(1.002)	1323702	20.0000	21.25
	82 1,2-Dichlorobenzene	146	18.008	18.037	(1.045)	706809	20.0000	20.88
	83 n-Butylbenzene	91	18.107	18.135	(1.050)	1339917	20.0000	21.20
	84 1,2-Dibromo-3-chloropropane	157	19.624	19.652	(1.138)	153921	20.0000	19.57
	85 1,2,4-Trichlorobenzene	180	21.339	21.357	(1.238)	541984	20.0000	20.17
	86 Hexachlorobutadiene	225	21.772	21.790	(1.263)	283053	20.0000	19.30
	87 Napthalene	128	21.811	21.830	(1.265)	1053261	20.0000	20.70
	88 1,2,3-Trichlorobenzene	180	22.334	22.352	(1.295)	499405	20.0000	20.16

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\SANP2021\D\chem\md.i\1024AD.B\DS2580.D
Date : 24-OCT-2000 12:45
Client ID:
Sample Info: 20 PPB 8260B STD,,,2,0,,,8260BDA.M
Column phase: J&W DB-624

Instrument: md.i
Operator: GFB
Column diameter: 0.53



Page 8

000366

BOE-C6-0173859

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\chem\md.i\1024AD.B\DS2581.D
Lab Smp Id: 50 PPB 8260B STD
Inj Date : 24-OCT-2000 13:16
Operator : GFB
Inst ID: md.i
Smp Info : 50 PPB 8260B STD,,,3,0,,,8260BDA.M
Misc Info : 1273-1;66-1;73-2,,5,,1,all.SUB
Comment :
Method : \\SANP2021\D\chem\md.i\1024AD.B\8260BDA.m
Meth Date : 24-Oct-2000 15:08 beckmang
Quant Type: ISTD
Cal Date : 24-OCT-2000 12:13
Cal File: DS2579.D
Als bottle: 4
Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: all.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
1 Dichlorodifluoromethane	85	1.471	1.495	(0.208)	920758	50.0000	51.07
2 Vinyl chloride (*)	62	1.708	1.731	(0.241)	610480	50.0000	50.57
3 Chloromethane (**)	50	1.629	1.633	(0.230)	659612	50.0000	47.63
4 Bromomethane	94	1.984	1.978	(0.280)	403513	50.0000	53.16
5 Chloroethane	64	2.072	2.096	(0.292)	373409	50.0000	57.76
6 Trichlorofluoromethane	101	2.299	2.313	(0.324)	1488985	50.0000	55.28
7 Acrolein	56	2.703	2.726	(0.381)	459903	500.000	518.4(A)
8 1,1-Dichloroethene(*)	96	2.782	2.766	(0.393)	598074	50.0000	48.85
9 1,1,2-Trichlorotrifluoroethan	151	2.792	2.766	(0.394)	803160	50.0000	52.54
10 Acetone	43	2.870	2.923	(0.405)	790908	250.000	243.2
11 Iodomethane	142	2.939	2.923	(0.415)	1489656	100.000	108.9(A)
12 Carbon disulfide	76	3.008	2.982	(0.424)	1433643	50.0000	52.04
13 Methylene chloride	84	3.333	3.337	(0.470)	695010	50.0000	50.95
14 t-Butanol	59	3.580	3.712	(0.505)	429373	1250.00	1314

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
	15 trans-1,2-Dichloroethene	96	3.668	3.652	(0.518)	712182	50.0000	49.76
	16 Acrylonitrile	53	3.659	3.692	(0.516)	1347080	500.000	513.3(A)
	17 Methyl-tert-butyl ether[MTBE]	73	3.708	3.731	(0.523)	1848845	50.0000	51.21
	18 1,1-Dichloroethane (**)	63	4.260	4.263	(0.601)	1384720	50.0000	50.85
	19 Vinyl acetate	43	4.398	4.411	(0.620)	4045006	100.000	101.7(A)
	20 Isopropyl ether	45	4.437	4.460	(0.626)	2933419	50.0000	51.62
	21 2,2-Dichloropropane	77	5.146	5.140	(0.726)	1369932	50.0000	50.94
	22 Tert-butyl ethyl ether	59	4.998	5.012	(0.705)	2562474	50.0000	51.64
	23 cis-1,2-Dichloroethene	96	5.166	5.170	(0.729)	770527	50.0000	50.48
	24 2-Butanone	43	5.265	5.298	(0.743)	1455239	250.000	247.0
	25 Bromochloromethane	128	5.550	5.554	(0.783)	467915	50.0000	51.79
	26 Chloroform (*)	83	5.718	5.721	(0.807)	1798495	50.0000	51.47
	27 Tetrahydrofuran	42	5.668	5.692	(0.800)	256602	50.0000	51.86
M	28 1,2-Dichloroethene (total)	100				1482709	100.000	100.2
$	29 Dibromofluoromethane	111	5.984	5.987	(0.844)	1503166	50.0000	50.68
	30 1,1,1-Trichloroethane	97	5.964	5.948	(0.842)	1633168	50.0000	51.96
	31 Carbon Tetrachloride	117	6.240	6.234	(0.880)	1495708	50.0000	51.56
	32 1,1-Dichloropropene	75	6.250	6.244	(0.882)	1390382	50.0000	51.61
$	33 1,2-Dichloroethane-d4	65	6.516	6.519	(0.919)	1046261	50.0000	48.38
	34 1,2-Dichloroethane-d4 2nd	102	6.516	6.519	(0.919)	240861	50.0000	51.50
	35 Benzene	78	6.585	6.579	(0.929)	2345911	50.0000	52.04
	36 1,2-Dichloroethane	62	6.644	6.647	(0.937)	1233741	50.0000	51.37
	37 Tert-amyl methyl ether	73	6.870	6.884	(0.969)	2494467	50.0000	51.47
*	38 Fluorobenzene	96	7.087	7.091	(1.000)	2508747	50.0000	
	39 Trichloroethene	130	7.728	7.721	(1.090)	1031265	50.0000	52.68
	40 1,2-Dichloropropane(*)	63	8.112	8.115	(1.145)	1046474	50.0000	52.10
	41 Dibromomethane	93	8.309	8.313	(1.172)	860868	50.0000	51.14
	42 Bromodichloromethane	83	8.644	8.647	(1.220)	1807223	50.0000	52.54
	43 1-Bromo-2-chloroethane	63	9.146	9.160	(1.291)	1638723	50.0000	52.07
	44 2-Chloroethylvinyl ether	106	9.245	9.258	(1.304)	310561	100.000	106.0(A)
	45 cis-1,3-Dichloropropene	75	9.452	9.455	(1.334)	1536658	50.0000	51.86
	46 4-Methyl-2-pentanone	43	9.806	9.830	(1.384)	4888233	250.000	264.0
$	47 Toluene-d8	98	9.915	9.918	(0.787)	2276001	50.0000	49.35
	48 Toluene (*)	91	10.033	10.046	(0.796)	2741769	50.0000	53.25
	49 trans-1,3-Dichloropropene	75	10.506	10.510	(0.834)	1335111	50.0000	52.50
	50 1,1,2-Trichloroethane	97	10.821	10.844	(0.859)	937519	50.0000	52.53
	51 Tetrachloroethene	164	11.038	11.032	(0.876)	952375	50.0000	53.14
	52 1,3-Dichloropropane	76	11.117	11.130	(0.882)	1593966	50.0000	53.11
	53 2-Hexanone	43	11.373	11.396	(0.902)	3503415	250.000	263.7
	54 Dibromochloromethane	129	11.531	11.544	(0.915)	1448615	50.0000	52.55
	55 1,2-Dibromoethane	107	11.688	11.702	(0.927)	1321903	50.0000	52.97
*	56 Chlorobenzene-d5	117	12.604	12.598	(1.000)	1950718	50.0000	
	57 Chlorobenzene (**)	112	12.654	12.667	(1.004)	2095445	50.0000	52.87
	58 1,1,1,2-Tetrachloroethane	131	12.851	12.854	(1.020)	1102493	50.0000	53.02
	59 Ethylbenzene (*)	106	12.910	12.923	(1.024)	1022810	50.0000	54.00
	60 m,p-Xylenes	106	13.156	13.170	(1.044)	2504460	100.000	107.2
	61 o-Xylene	106	13.915	13.928	(1.104)	1245322	50.0000	53.57

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
	62 Styrene	104	13.954	13.977	(1.107)	2005365	50.0000	53.87
M	63 Xylenes (total)	100				3749782	150.000	160.8
	64 Bromoform (**)	173	14.269	14.273	(1.132)	1107693	50.0000	53.73
	65 Isopropylbenzene	105	14.673	14.687	(1.164)	3662110	50.0000	53.06
	66 4-Bromofluorobenzene-2nd	174	14.939	14.963	(0.866)	1066425	50.0000	46.29
$	67 4-Bromofluorobenzene	95	14.930	14.963	(0.866)	1766963	50.0000	46.25
	68 Bromobenzene	156	15.176	15.199	(0.880)	1106324	50.0000	51.12
	69 1,1,2,2-Tetrachloroethane(**)	83	15.324	15.347	(0.889)	1557877	50.0000	50.71
	70 1,2,3-Trichloropropane	110	15.343	15.367	(0.890)	430740	50.0000	50.18
	71 n-Propylbenzene	91	15.491	15.524	(0.898)	4271503	50.0000	53.76
	72 2-Chlorotoluene	126	15.600	15.633	(0.905)	859051	50.0000	50.27
	73 4-Chlorotoluene	126	15.836	15.849	(0.918)	896139	50.0000	49.86
	74 1,3,5-Trimethylbenzene	105	15.875	15.899	(0.921)	3045648	50.0000	50.53
	75 tert-Butylbenzene	119	16.506	16.529	(0.957)	3165431	50.0000	51.24
	76 1,2,4-Trimethylbenzene	105	16.614	16.638	(0.963)	3081565	50.0000	50.92
	77 sec-Butylbenzene	105	16.949	16.982	(0.983)	4240938	50.0000	51.30
	78 1,3-Dichlorobenzene	146	17.097	17.130	(0.991)	1857313	50.0000	51.21
*	79 1,4-Dichlorobenzene-d4	152	17.245	17.268	(1.000)	1222973	50.0000	
	80 1,4-Dichlorobenzene	146	17.284	17.327	(1.002)	1968184	50.0000	51.20
	81 p-Isopropyltoluene	119	17.284	17.298	(1.002)	3328631	50.0000	51.76
	82 1,2-Dichlorobenzene	146	18.013	18.037	(1.045)	1773759	50.0000	50.77
	83 n-Butylbenzene	91	18.112	18.135	(1.050)	3373454	50.0000	51.69
	84 1,2-Dibromo-3-chloropropane	157	19.639	19.652	(1.139)	397122	50.0000	48.91
	85 1,2,4-Trichlorobenzene	180	21.353	21.357	(1.238)	1411253	50.0000	50.88
	86 Hexachlorobutadiene	225	21.777	21.790	(1.263)	885351	50.0000	58.48
	87 Napthalene	128	21.816	21.830	(1.265)	2645846	50.0000	50.35
	88 1,2,3-Trichlorobenzene	180	22.338	22.352	(1.295)	1301538	50.0000	50.88

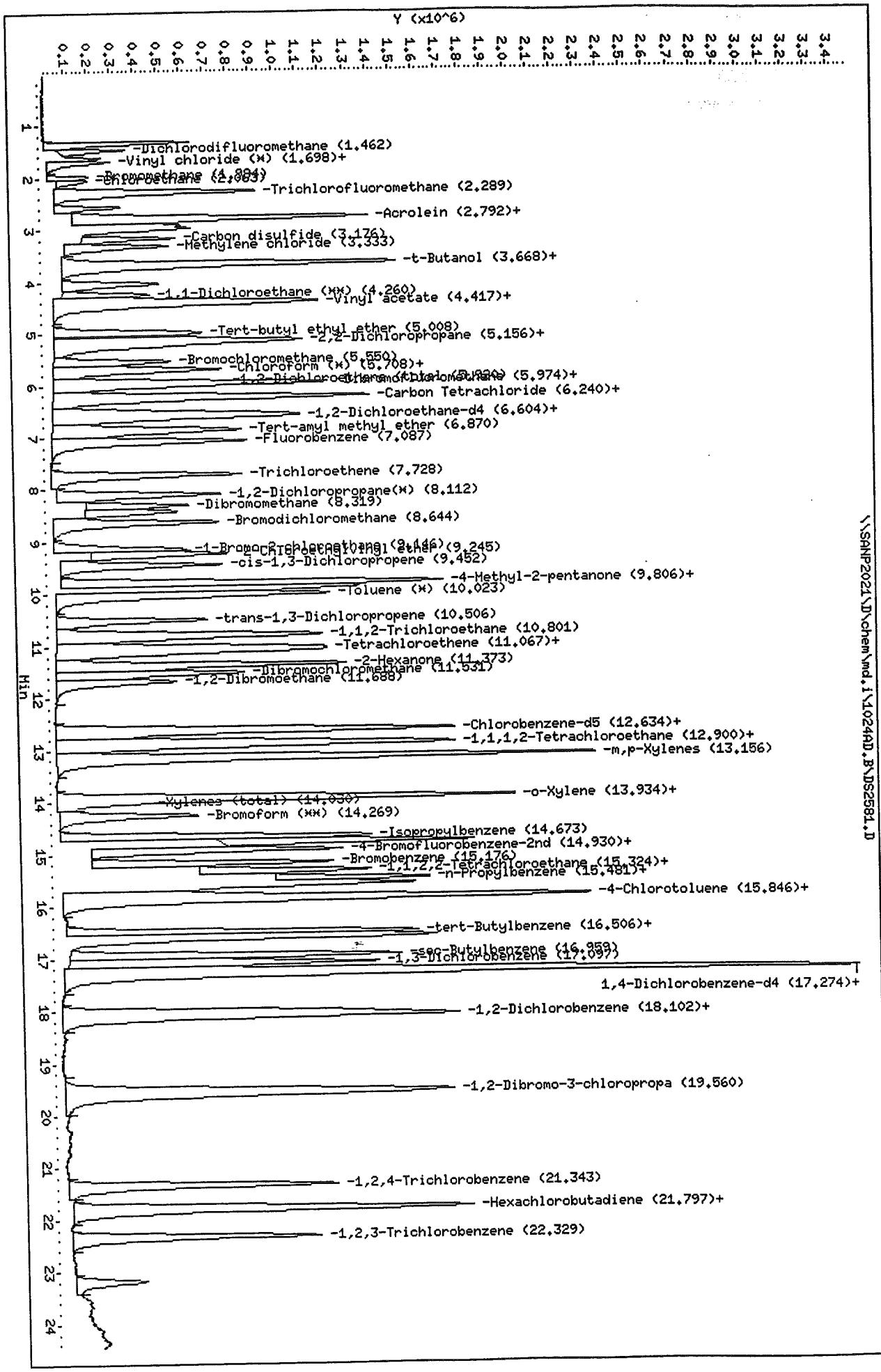
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\SANP2021\D\chem\md.i\1024AD.B\DS2581.D
Date : 24-OCT-2000 13:16
Client ID:
Sample Info: 50 PPB 8260B STD,,3.0,,,8260BDA.M

Column phase: J&W DB-624

Instrument: md.i
Operator: GFB
Column diameter: 0.53



Data File: \\SANP2021\D\chem\md.i\1024AD.B/DS2581.D

STL Los Angeles Diagnostics Report

Data File : \\SANP2021\D\chem\md.i\1024AD.B/DS2581.D
Smp Info : 50 PPB 8260B STD,,,3,0,,,8260BDA.M
Misc Info : 1273-1;66-1;73-2,,5,,1,all.SUB

Inj Date : 24-OCT-2000 13:16
Sub List : all.SUB

QUANTITATION MODE : From initial calibration

	Compound Name	Quant Ion	RT	Exp. RT	Diff.	Area	R.F.	On Column Conc.	I.S. Group
1)	Dichlorodifluoromethane	85	1.47	1.49	0.02	920758	0.35932	51.07	1
3)	Chloromethane (**)	50	1.63	1.63	0.00	659612	0.27602	47.63	1
2)	Vinyl chloride (*)	62	1.71	1.73	0.02	610480	0.24059	50.57	1
4)	Bromomethane	94	1.98	1.98	-0.01	403513	0.15127	53.16	1
5)	Chloroethane	64	2.07	2.10	0.02	373409	0.12884	57.76	1
6)	Trichlorofluoromethane	101	2.30	2.31	0.01	1488985	0.53680	55.28	1
7)	Acrolein	56	2.70	2.73	0.02	459903	0.01768	518.40	1
8)	1,1-Dichloroethene(*)	96	2.78	2.77	-0.02	598074	0.24399	48.85	1
9)	1,1,2-Trichlorotrifluoroethan	151	2.79	2.77	-0.03	803160	0.30468	52.54	1
10)	Acetone	43	2.87	2.92	0.05	790908	0.06482	243.17	1
11)	Iodomethane	142	2.94	2.92	-0.02	1489656	0.27257	108.92	1
12)	Carbon disulfide	76	3.01	2.98	-0.03	1433643	0.54902	52.04	1
13)	Methylene chloride	84	3.33	3.34	0.00	695010	0.27188	50.95	1
14)	t-Butanol	59	3.58	3.71	0.13	429373	0.00651	1313.94	1
16)	Acrylonitrile	53	3.66	3.69	0.03	1347080	0.05231	513.27	1
15)	trans-1,2-Dichloroethene	96	3.67	3.65	-0.02	712182	0.28525	49.76	1
17)	Methyl-tert-butyl ether[MTBE]	73	3.71	3.73	0.02	1848845	0.71954	51.21	1
18)	1,1-Dichloroethane (**)	63	4.26	4.26	0.00	1384720	0.54274	50.85	1
19)	Vinyl acetate	43	4.40	4.41	0.01	4045006	0.79238	101.74	1
20)	Isopropyl ether	45	4.44	4.46	0.02	2933419	1.13268	51.62	1
22)	Tert-butyl ethyl ether	59	5.00	5.01	0.01	2562474	0.98904	51.64	1
21)	2,2-Dichloropropane	77	5.15	5.14	-0.01	1369932	0.53598	50.94	1
23)	cis-1,2-Dichloroethene	96	5.17	5.17	0.00	770527	0.30423	50.48	1
24)	2-Butanone	43	5.26	5.30	0.03	1455239	0.11740	247.05	1
25)	Bromochloromethane	128	5.55	5.55	0.00	467915	0.18007	51.79	1
27)	Tetrahydrofuran	42	5.67	5.69	0.02	256602	0.09862	51.86	1
26)	Chloroform (*)	83	5.72	5.72	0.00	1798495	0.69643	51.47	1
28)	1,2-Dichloroethene (total)	100	5.92	5.92	0.00	1482709	0.29474	100.24	1
30)	1,1,1-Trichloroethane	97	5.96	5.95	-0.02	1633168	0.62645	51.96	1
29) $	Dibromofluoromethane	111	5.98	5.99	0.00	1503166	0.59113	50.68	1
31)	Carbon Tetrachloride	117	6.24	6.23	-0.01	1495708	0.57812	51.56	1
32)	1,1-Dichloropropene	75	6.25	6.24	-0.01	1390382	0.53688	51.61	1
34)	1,2-Dichloroethane-d4 2nd	102	6.52	6.52	0.00	240861	0.09321	51.50	1
33) $	1,2-Dichloroethane-d4	65	6.52	6.52	0.00	1046261	0.43098	48.38	1
35)	Benzene	78	6.58	6.58	-0.01	2345911	0.89846	52.04	1
36)	1,2-Dichloroethane	62	6.64	6.65	0.00	1233741	0.47865	51.37	1
37)	Tert-amyl methyl ether	73	6.87	6.88	0.01	2494467	0.96596	51.47	1
38) *	Fluorobenzene	96	7.09	7.09	0.00	2508747	1.00000	50.00	1
39)	Trichloroethene	130	7.73	7.72	-0.01	1031265	0.39012	52.68	1
40)	1,2-Dichloropropane(*)	63	8.11	8.12	0.00	1046474	0.40033	52.10	1
41)	Dibromomethane	93	8.31	8.31	0.00	860868	0.33551	51.14	1
42)	Bromodichloromethane	83	8.64	8.65	0.00	1807223	0.68558	52.54	1
43)	1-Bromo-2-chloroethane	63	9.15	9.16	0.01	1638723	0.62726	52.07	1
44)	2-Chloroethylvinyl ether	106	9.24	9.26	0.01	310561	0.05840	105.98	1
45)	cis-1,3-Dichloropropene	75	9.45	9.46	0.00	1536658	0.59057	51.86	1

Data File : \\SANP2021\D\chem\md.i\1024AD.B/DS2581.D
Smp Info : 50 PPB 8260B STD,,,3,0,,,8260BDA.M
Misc Info : 1273-1;66-1;73-2,,5,,1,all.SUB

Inj Date : 24-OCT-2000 13:16
Sub List : all.SUB

QUANTITATION MODE : From initial calibration

	Compound Name	Quant Ion	RT	Exp. RT	Diff.	Area	R.F.	On Column Conc.	I.S. Group
46)	4-Methyl-2-pentanone	43	9.81	9.83	0.02	4888233	0.36909	263.95	1
47) $	Toluene-d8	98	9.91	9.92	0.00	2276001	1.18205	49.35	2
48)	Toluene (*)	91	10.03	10.05	0.01	2741769	1.31962	53.25	2
49)	trans-1,3-Dichloropropene	75	10.51	10.51	0.00	1335111	0.65186	52.50	2
50)	1,1,2-Trichloroethane	97	10.82	10.84	0.02	937519	0.45747	52.53	2
51)	Tetrachloroethene	164	11.04	11.03	-0.01	952375	0.45939	53.14	2
52)	1,3-Dichloropropane	76	11.12	11.13	0.01	1593966	0.76925	53.11	2
53)	2-Hexanone	43	11.37	11.40	0.02	3503415	0.34052	263.71	2
54)	Dibromochloromethane	129	11.53	11.54	0.01	1448615	0.70662	52.55	2
55)	1,2-Dibromoethane	107	11.69	11.70	0.01	1321903	0.63968	52.97	2
56) *	Chlorobenzene-d5	117	12.60	12.60	-0.01	1950718	1.00000	50.00	2
57)	Chlorobenzene (**)	112	12.65	12.67	0.01	2095445	1.01584	52.87	2
58)	1,1,1,2-Tetrachloroethane	131	12.85	12.85	0.00	1102493	0.53293	53.02	2
59)	Ethylbenzene (*)	106	12.91	12.92	0.01	1022810	0.48544	54.01	2
60)	m,p-Xylenes	106	13.16	13.17	0.01	2504460	0.59890	107.18	2
61)	o-Xylene	106	13.91	13.93	0.01	1245322	0.59580	53.57	2
62)	Styrene	104	13.95	13.98	0.02	2005365	0.95410	53.87	2
63)	Xylenes (total)	100	14.03	14.03	0.00	3749782	0.59787	160.76	2
64)	Bromoform (**)	173	14.27	14.27	0.00	1107693	0.52838	53.73	2
65)	Isopropylbenzene	105	14.67	14.69	0.01	3662110	1.76913	53.06	2
67) $	4-Bromofluorobenzene	95	14.93	14.96	0.03	1766963	1.56185	46.25	3
66)	4-Bromofluorobenzene-2nd	174	14.94	14.96	0.02	1066425	0.94190	46.29	3
68)	Bromobenzene	156	15.18	15.20	0.02	1106324	0.88483	51.12	3
69)	1,1,2,2-Tetrachloroethane(**)	83	15.32	15.35	0.02	1557877	1.25607	50.71	3
70)	1,2,3-Trichloropropane	110	15.34	15.37	0.02	430740	0.35090	50.19	3
71)	n-Propylbenzene	91	15.49	15.52	0.03	4271503	3.24826	53.76	3
72)	2-Chlorotoluene	126	15.60	15.63	0.03	859051	0.69859	50.27	3
73)	4-Chlorotoluene	126	15.84	15.85	0.01	896139	0.73473	49.87	3
74)	1,3,5-Trimethylbenzene	105	15.88	15.90	0.02	3045648	2.46442	50.53	3
75)	tert-Butylbenzene	119	16.51	16.53	0.02	3165431	2.52551	51.24	3
76)	1,2,4-Trimethylbenzene	105	16.61	16.64	0.02	3081565	2.47398	50.92	3
77)	sec-Butylbenzene	105	16.95	16.98	0.03	4240938	3.37956	51.30	3
78)	1,3-Dichlorobenzene	146	17.10	17.13	0.03	1857313	1.48278	51.21	3
79) *	1,4-Dichlorobenzene-d4	152	17.24	17.27	0.02	1222973	1.00000	50.00	3
80)	1,4-Dichlorobenzene	146	17.28	17.33	0.04	1968184	1.57159	51.20	3
81)	p-Isopropyltoluene	119	17.28	17.30	0.01	3328631	2.62904	51.76	3
82)	1,2-Dichlorobenzene	146	18.01	18.04	0.02	1773759	1.42843	50.77	3
83)	n-Butylbenzene	91	18.11	18.14	0.02	3373454	2.66820	51.69	3
84)	1,2-Dibromo-3-chloropropane	157	19.64	19.65	0.01	397122	0.33197	48.91	3
85)	1,2,4-Trichlorobenzene	180	21.35	21.36	0.00	1411253	1.13411	50.88	3
86)	Hexachlorobutadiene	225	21.78	21.79	0.01	885351	0.61891	58.48	3
87)	Napthalene	128	21.82	21.83	0.01	2645846	2.14822	50.35	3
88)	1,2,3-Trichlorobenzene	180	22.34	22.35	0.01	1301538	1.04576	50.88	3

* - Compound is an internal standard
$ - Compound is a surrogate

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\chem\md.i\1024AD.B\DS2582.D
Lab Smp Id: 100 PPB 8260B STD
Inj Date : 24-OCT-2000 13:48
Operator : GFB Inst ID: md.i
Smp Info : 100 PPB 8260B STD,,,4,0,,,8260BDA.M
Misc Info : 1273-1;66-1;73-2,,5,,1,all.SUB
Comment :
Method : \\SANP2021\D\chem\md.i\1024AD.B\8260BDA.m
Meth Date : 24-Oct-2000 15:08 beckmang Quant Type: ISTD
Cal Date : 24-OCT-2000 12:13 Cal File: DS2579.D
Als bottle: 5 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
1 Dichlorodifluoromethane	85	1.464	1.495	(0.207)	1780621	100.000	97.24
2 Vinyl chloride (*)	62	1.710	1.731	(0.241)	1205632	100.000	98.33
3 Chloromethane (**)	50	1.632	1.633	(0.230)	1253490	100.000	89.11
4 Bromomethane	94	1.976	1.978	(0.279)	752087	100.000	97.55
5 Chloroethane	64	2.065	2.096	(0.291)	621139	100.000	94.60
6 Trichlorofluoromethane	101	2.292	2.313	(0.323)	2807851	100.000	102.6
7 Acrolein	56	2.705	2.726	(0.382)	926039	1000.00	1028(A)
8 1,1-Dichloroethene(*)	96	2.784	2.766	(0.393)	1176649	100.000	94.62
9 1,1,2-Trichlorotrifluoroethan	151	2.804	2.766	(0.396)	1537733	100.000	99.03
10 Acetone	43	2.873	2.923	(0.405)	1504566	500.000	455.4
11 Iodomethane	142	2.942	2.923	(0.415)	3068529	200.000	220.9(A)
12 Carbon disulfide	76	3.001	2.982	(0.423)	2797243	100.000	99.97
13 Methylene chloride	84	3.336	3.337	(0.471)	1370302	100.000	98.90
14 t-Butanol	59	3.602	3.712	(0.508)	790708	2500.00	2382

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
	15 trans-1,2-Dichloroethene	96	3.671	3.652	(0.518)	1383260	100.000	95.15
	16 Acrylonitrile	53	3.661	3.692	(0.516)	2665909	1000.00	1000(A)
	17 Methyl-tert-butyl ether[MTBE]	73	3.720	3.731	(0.525)	3579239	100.000	97.61
	18 1,1-Dichloroethane (**)	63	4.262	4.263	(0.601)	2706444	100.000	97.85
	19 Vinyl acetate	43	4.400	4.411	(0.621)	7997576	200.000	198.0(A)
	20 Isopropyl ether	45	4.439	4.460	(0.626)	5603283	100.000	97.07
	21 2,2-Dichloropropane	77	5.149	5.140	(0.726)	2635676	100.000	96.49
	22 Tert-butyl ethyl ether	59	5.011	5.012	(0.707)	4971307	100.000	98.63
	23 cis-1,2-Dichloroethene	96	5.169	5.170	(0.729)	1510264	100.000	97.41
	24 2-Butanone	43	5.267	5.298	(0.743)	2845749	500.000	475.6
	25 Bromochloromethane	128	5.553	5.554	(0.783)	900530	100.000	98.13
	26 Chloroform (*)	83	5.720	5.721	(0.807)	3472460	100.000	97.84
	27 Tetrahydrofuran	42	5.671	5.692	(0.800)	478497	100.000	95.20
M	28 1,2-Dichloroethene (total)	100				2893524	200.000	192.6
$	29 Dibromofluoromethane	111	5.986	5.987	(0.844)	2913803	100.000	96.72
	30 1,1,1-Trichloroethane	97	5.967	5.948	(0.842)	3170018	100.000	99.29
	31 Carbon Tetrachloride	117	6.233	6.234	(0.879)	2906383	100.000	98.64
	32 1,1-Dichloropropene	75	6.242	6.244	(0.880)	2637829	100.000	96.41
$	33 1,2-Dichloroethane-d4	65	6.518	6.519	(0.919)	2093033	100.000	95.29
	34 1,2-Dichloroethane-d4 2nd	102	6.508	6.519	(0.918)	477662	100.000	100.6
	35 Benzene	78	6.587	6.579	(0.929)	4491810	100.000	98.10
	36 1,2-Dichloroethane	62	6.646	6.647	(0.937)	2370801	100.000	97.19
	37 Tert-amyl methyl ether	73	6.873	6.884	(0.969)	4804277	100.000	97.59
*	38 Fluorobenzene	96	7.090	7.091	(1.000)	2548183	50.0000	
	39 Trichloroethene	130	7.730	7.721	(1.090)	1971718	100.000	99.17
	40 1,2-Dichloropropane(*)	63	8.114	8.115	(1.145)	2021485	100.000	99.08
	41 Dibromomethane	93	8.321	8.313	(1.174)	1643204	100.000	96.10
	42 Bromodichloromethane	83	8.646	8.647	(1.220)	3465175	100.000	99.18
	43 1-Bromo-2-chloroethane	63	9.149	9.160	(1.290)	3102869	100.000	97.06
	44 2-Chloroethylvinyl ether	106	9.257	9.258	(1.306)	610654	200.000	205.2(A)
	45 cis-1,3-Dichloropropene	75	9.454	9.455	(1.334)	2981585	100.000	99.06
	46 4-Methyl-2-pentanone	43	9.809	9.830	(1.384)	9196568	500.000	488.9
$	47 Toluene-d8	98	9.917	9.918	(0.787)	4401391	100.000	94.38
	48 Toluene (*)	91	10.026	10.046	(0.796)	5188292	100.000	99.65
	49 trans-1,3-Dichloropropene	75	10.499	10.510	(0.833)	2590536	100.000	100.7
	50 1,1,2-Trichloroethane	97	10.834	10.844	(0.860)	1777835	100.000	98.50
	51 Tetrachloroethene	164	11.031	11.032	(0.876)	1795209	100.000	99.05
	52 1,3-Dichloropropane	76	11.119	11.130	(0.883)	3003528	100.000	98.96
	53 2-Hexanone	43	11.375	11.396	(0.903)	6693742	500.000	498.2
	54 Dibromochloromethane	129	11.533	11.544	(0.916)	2813812	100.000	100.9
	55 1,2-Dibromoethane	107	11.691	11.702	(0.928)	2542954	100.000	100.8
*	56 Chlorobenzene-d5	117	12.597	12.598	(1.000)	1972669	50.0000	
	57 Chlorobenzene (**)	112	12.656	12.667	(1.005)	3968564	100.000	99.02
	58 1,1,1,2-Tetrachloroethane	131	12.853	12.854	(1.020)	2113325	100.000	100.5
	59 Ethylbenzene (*)	106	12.912	12.923	(1.025)	1898080	100.000	99.10
	60 m,p-Xylenes	106	13.149	13.170	(1.044)	4705298	200.000	199.1
	61 o-Xylene	106	13.908	13.928	(1.104)	2332745	100.000	99.24

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
	62 Styrene	104	13.957	13.977	(1.108)	3816426	100.000	101.4
M	63 Xylenes (total)	100				7038043	300.000	298.4
	64 Bromoform (**)	173	14.262	14.273	(1.132)	2179000	100.000	104.5
	65 Isopropylbenzene	105	14.676	14.687	(1.165)	6939051	100.000	99.42
	66 4-Bromofluorobenzene-2nd	174	14.942	14.963	(0.866)	2069582	100.000	90.66
$	67 4-Bromofluorobenzene	95	14.942	14.963	(0.866)	3415255	100.000	90.22
	68 Bromobenzene	156	15.178	15.199	(0.880)	2112049	100.000	98.48
	69 1,1,2,2-Tetrachloroethane(**)	83	15.316	15.347	(0.888)	2959829	100.000	97.22
	70 1,2,3-Trichloropropane	110	15.346	15.367	(0.890)	835334	100.000	98.22
	71 n-Propylbenzene	91	15.494	15.524	(0.898)	7955751	100.000	101.0
	72 2-Chlorotoluene	126	15.612	15.633	(0.905)	1616610	100.000	95.48
	73 4-Chlorotoluene	126	15.829	15.849	(0.918)	1685063	100.000	94.62
	74 1,3,5-Trimethylbenzene	105	15.878	15.899	(0.921)	5775817	100.000	96.70
	75 tert-Butylbenzene	119	16.509	16.529	(0.957)	5890291	100.000	96.23
	76 1,2,4-Trimethylbenzene	105	16.617	16.638	(0.963)	5769836	100.000	96.22
	77 sec-Butylbenzene	105	16.962	16.982	(0.983)	7807112	100.000	95.31
	78 1,3-Dichlorobenzene	146	17.100	17.130	(0.991)	3492241	100.000	97.17
*	79 1,4-Dichlorobenzene-d4	152	17.247	17.268	(1.000)	1211852	50.0000	
	80 1,4-Dichlorobenzene	146	17.297	17.327	(1.003)	3606328	100.000	94.68
	81 p-Isopropyltoluene	119	17.287	17.298	(1.002)	6023153	100.000	94.52
	82 1,2-Dichlorobenzene	146	18.026	18.037	(1.045)	3352862	100.000	96.84
	83 n-Butylbenzene	91	18.114	18.135	(1.050)	6007842	100.000	92.90
	84 1,2-Dibromo-3-chloropropane	157	19.642	19.652	(1.139)	809070	100.000	100.6
	85 1,2,4-Trichlorobenzene	180	21.346	21.357	(1.238)	2593434	100.000	94.35
	86 Hexachlorobutadiene	225	21.770	21.790	(1.262)	1367368	100.000	91.15
	87 Napthalene	128	21.819	21.830	(1.265)	5000823	100.000	96.05
	88 1,2,3-Trichlorobenzene	180	22.331	22.352	(1.295)	2353466	100.000	92.85

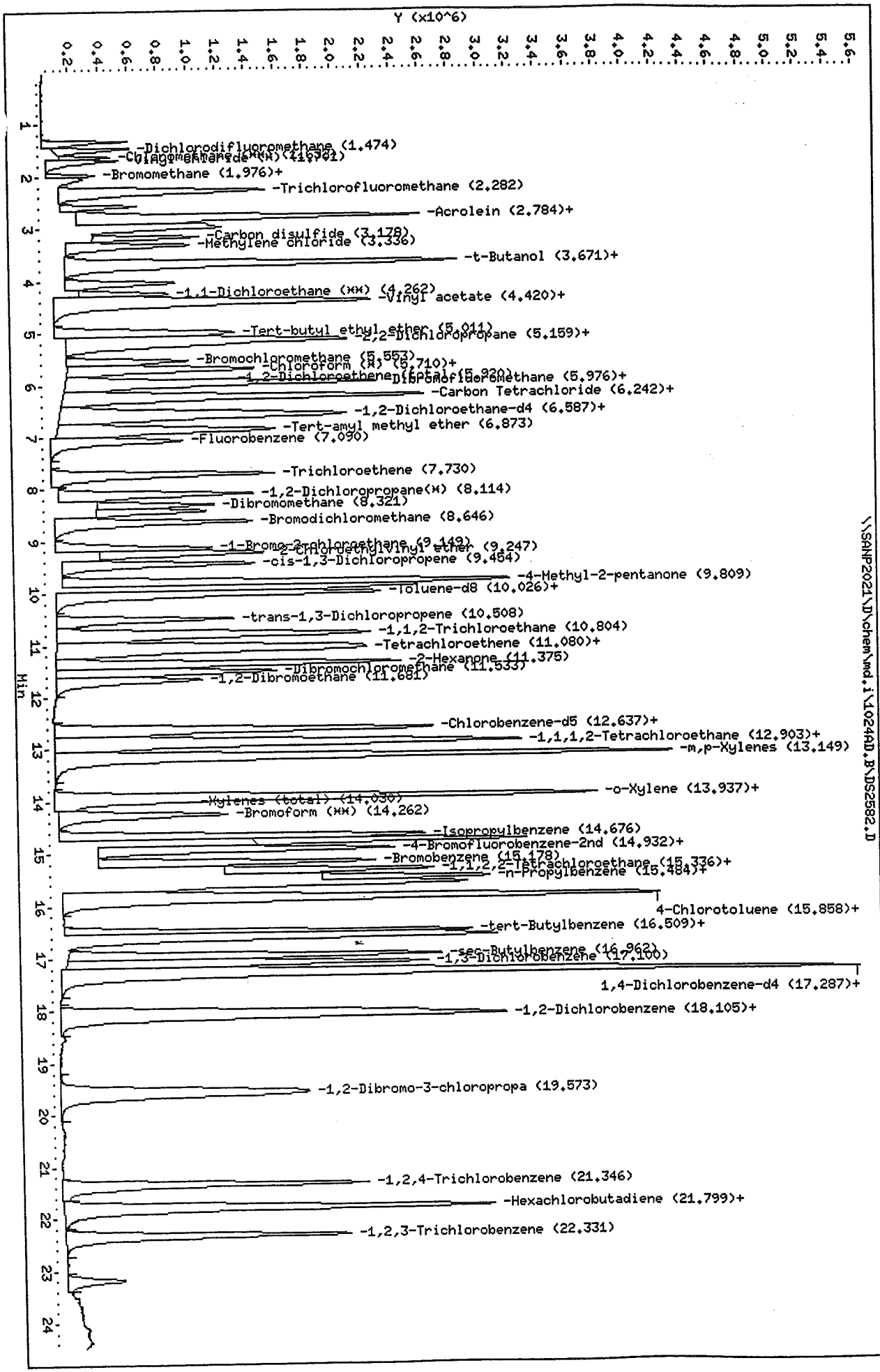
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\SANP2021\D\chem\md.i\1024AD.B\DS2582.D
Date : 24-OCT-2000 13:48
Client ID:
Sample Info: 100 PPB 8260B STD,,,4.0,,,8260BDA.M

Column phase: J&W DB-624

Instrument: md.i
Operator: GFB
Column diameter: 0.53



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\chem\md.i\1024AD.B\DS2583.D
Lab Smp Id: 400 PPB 8260B STD
Inj Date : 24-OCT-2000 14:20
Operator : GFB
Inst ID: md.i
Smp Info : 400 PPB 8260B STD,,,5,0,,,8260BDA.M
Misc Info : 1273-1;66-1;73-2,,5,,1,all.SUB
Comment :
Method : \\SANP2021\D\chem\md.i\1024AD.B\8260BDA.m
Meth Date : 24-Oct-2000 15:08 beckmang
Quant Type: ISTD
Cal Date : 24-OCT-2000 14:20
Cal File: DS2583.D
Als bottle: 6
Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: all.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
1 Dichlorodifluoromethane	85	1.495	1.495	(0.211)	6400483	400.000	350.4
2 Vinyl chloride (*)	62	1.731	1.731	(0.244)	4580843	400.000	374.5
3 Chloromethane (**)	50	1.633	1.633	(0.230)	5003225	400.000	356.6
4 Bromomethane	94	1.978	1.978	(0.279)	2352614	400.000	305.9
5 Chloroethane	64	2.096	2.096	(0.296)	1186547	400.000	181.2
6 Trichlorofluoromethane	101	2.313	2.313	(0.326)	5627606	400.000	206.2
7 Acrolein	56	2.726	2.726	(0.384)	3254806	4000.00	3621(A)
8 1,1-Dichloroethene(*)	96	2.766	2.766	(0.390)	3779708	400.000	304.7
9 1,1,2-Trichlorotrifluoroethan	151	2.766	2.766	(0.390)	4933268	400.000	318.5
10 Acetone	43	2.923	2.923	(0.412)	5311106	2000.00	1612
11 Iodomethane	142	2.923	2.923	(0.412)	8194880	800.000	591.4(A)
12 Carbon disulfide	76	2.982	2.982	(0.421)	9227300	400.000	330.6
13 Methylene chloride	84	3.337	3.337	(0.471)	4958176	400.000	358.7
14 t-Butanol	59	3.712	3.712	(0.523)	2875724	10000.0	8685

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
	15 trans-1,2-Dichloroethene	96	3.652	3.652	(0.515)	4793058	400.000	330.5
	16 Acrylonitrile	53	3.692	3.692	(0.521)	9230951	4000.00	3471(A)
	17 Methyl-tert-butyl ether[MTBE]	73	3.731	3.731	(0.526)	12692061	400.000	347.0
	18 1,1-Dichloroethane (**)	63	4.263	4.263	(0.601)	9698257	400.000	351.5
	19 Vinyl acetate	43	4.411	4.411	(0.622)	27619179	800.000	685.6(A)
	20 Isopropyl ether	45	4.460	4.460	(0.629)	19248631	400.000	334.3
	21 2,2-Dichloropropane	77	5.140	5.140	(0.725)	9164725	400.000	336.3
	22 Tert-butyl ethyl ether	59	5.012	5.012	(0.707)	17627013	400.000	350.6
	23 cis-1,2-Dichloroethene	96	5.170	5.170	(0.729)	5322252	400.000	344.1
	24 2-Butanone	43	5.298	5.298	(0.747)	10661380	2000.00	1786
	25 Bromochloromethane	128	5.554	5.554	(0.783)	3215097	400.000	351.2
	26 Chloroform (*)	83	5.721	5.721	(0.807)	12130610	400.000	342.6
	27 Tetrahydrofuran	42	5.692	5.692	(0.803)	1757889	400.000	350.6
M	28 1,2-Dichloroethene (total)	100				10115310	800.000	674.6
$	29 Dibromofluoromethane	111	5.987	5.987	(0.844)	9307282	400.000	309.7
	30 1,1,1-Trichloroethane	97	5.948	5.948	(0.839)	10788093	400.000	338.7
	31 Carbon Tetrachloride	117	6.234	6.234	(0.879)	9874472	400.000	336.0
	32 1,1-Dichloropropene	75	6.244	6.244	(0.881)	9109774	400.000	333.8
$	33 1,2-Dichloroethane-d4	65	6.519	6.519	(0.919)	7251866	400.000	331.0
	34 1,2-Dichloroethane-d4 2nd	102	6.519	6.519	(0.919)	1652501	400.000	348.7
	35 Benzene	78	6.579	6.579	(0.928)	14876265	400.000	325.7
	36 1,2-Dichloroethane	62	6.647	6.647	(0.937)	8467793	400.000	348.0
	37 Tert-amyl methyl ether	73	6.884	6.884	(0.971)	17191189	400.000	350.1
*	38 Fluorobenzene	96	7.091	7.091	(1.000)	2541892	50.0000	
	39 Trichloroethene	130	7.721	7.721	(1.089)	6926593	400.000	349.2
	40 1,2-Dichloropropane(*)	63	8.115	8.115	(1.145)	7144206	400.000	351.0
	41 Dibromomethane	93	8.313	8.313	(1.172)	6449167	400.000	378.1
	42 Bromodichloromethane	83	8.647	8.647	(1.220)	12433816	400.000	356.7
	43 1-Bromo-2-chloroethane	63	9.160	9.160	(1.292)	10242905	400.000	321.2
	44 2-Chloroethylvinyl ether	106	9.258	9.258	(1.306)	2284558	800.000	769.5(A)
	45 cis-1,3-Dichloropropene	75	9.455	9.455	(1.333)	10648681	400.000	354.7
	46 4-Methyl-2-pentanone	43	9.830	9.830	(1.386)	29059424	2000.00	1549
$	47 Toluene-d8	98	9.918	9.918	(0.787)	13466809	400.000	298.0
	48 Toluene (*)	91	10.046	10.046	(0.797)	17224227	400.000	341.4
	49 trans-1,3-Dichloropropene	75	10.510	10.510	(0.834)	9533614	400.000	382.6
	50 1,1,2-Trichloroethane	97	10.844	10.844	(0.861)	6161253	400.000	352.3
	51 Tetrachloroethene	164	11.032	11.032	(0.876)	5914030	400.000	336.8
	52 1,3-Dichloropropane	76	11.130	11.130	(0.883)	10194848	400.000	346.7
	53 2-Hexanone	43	11.396	11.396	(0.905)	22590683	2000.00	1735
	54 Dibromochloromethane	129	11.544	11.544	(0.916)	9959638	400.000	368.7
	55 1,2-Dibromoethane	107	11.702	11.702	(0.929)	9010819	400.000	368.5
*	56 Chlorobenzene-d5	117	12.598	12.598	(1.000)	1911330	50.0000	
	57 Chlorobenzene (**)	112	12.667	12.667	(1.005)	13279015	400.000	342.0
	58 1,1,1,2-Tetrachloroethane	131	12.854	12.854	(1.020)	7178762	400.000	352.4
	59 Ethylbenzene (*)	106	12.923	12.923	(1.026)	6039941	400.000	325.5
	60 m,p-Xylenes	106	13.170	13.170	(1.045)	14563139	800.000	636.1
	61 o-Xylene	106	13.928	13.928	(1.106)	7578574	400.000	332.8

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
62 Styrene	104	13.977	13.977	(1.109)	12428903	400.000	340.8
M 63 Xylenes (total)	100				22141713	1200.00	968.9
64 Bromoform (**)	173	14.273	14.273	(1.133)	7772970	400.000	384.8
65 Isopropylbenzene	105	14.687	14.687	(1.166)	22107138	400.000	326.9
66 4-Bromofluorobenzene-2nd	174	14.963	14.963	(0.866)	6575312	400.000	326.2
$ 67 4-Bromofluorobenzene	95	14.963	14.963	(0.866)	10673197	400.000	319.4
68 Bromobenzene	156	15.199	15.199	(0.880)	6962175	400.000	367.7
69 1,1,2,2-Tetrachloroethane(**)	83	15.347	15.347	(0.889)	9969820	400.000	370.9
70 1,2,3-Trichloropropane	110	15.367	15.367	(0.890)	2900420	400.000	386.3
71 n-Propylbenzene	91	15.524	15.524	(0.899)	22899577	400.000	329.5
72 2-Chlorotoluene	126	15.633	15.633	(0.905)	5303922	400.000	354.8
73 4-Chlorotoluene	126	15.849	15.849	(0.918)	5364144	400.000	341.2
74 1,3,5-Trimethylbenzene	105	15.899	15.899	(0.921)	17502484	400.000	331.9
75 tert-Butylbenzene	119	16.529	16.529	(0.957)	18640214	400.000	344.9
76 1,2,4-Trimethylbenzene	105	16.638	16.638	(0.963)	18012466	400.000	340.3
77 sec-Butylbenzene	105	16.982	16.982	(0.983)	24668318	400.000	341.1
78 1,3-Dichlorobenzene	146	17.130	17.130	(0.992)	11142255	400.000	351.2
* 79 1,4-Dichlorobenzene-d4	152	17.268	17.268	(1.000)	1069873	50.0000	
80 1,4-Dichlorobenzene	146	17.327	17.327	(1.003)	10952563	400.000	325.7
81 p-Isopropyltoluene	119	17.298	17.298	(1.002)	18349308	400.000	326.2
82 1,2-Dichlorobenzene	146	18.037	18.037	(1.045)	10779615	400.000	352.7
83 n-Butylbenzene	91	18.135	18.135	(1.050)	19825967	400.000	347.2
84 1,2-Dibromo-3-chloropropane	157	19.652	19.652	(1.138)	3216595	400.000	452.8(A)
85 1,2,4-Trichlorobenzene	180	21.357	21.357	(1.237)	9112988	400.000	375.5
86 Hexachlorobutadiene	225	21.790	21.790	(1.262)	5773472	400.000	436.0(A)
87 Napthalene	128	21.830	21.830	(1.264)	15847389	400.000	344.8
88 1,2,3-Trichlorobenzene	180	22.352	22.352	(1.294)	8443397	400.000	377.3

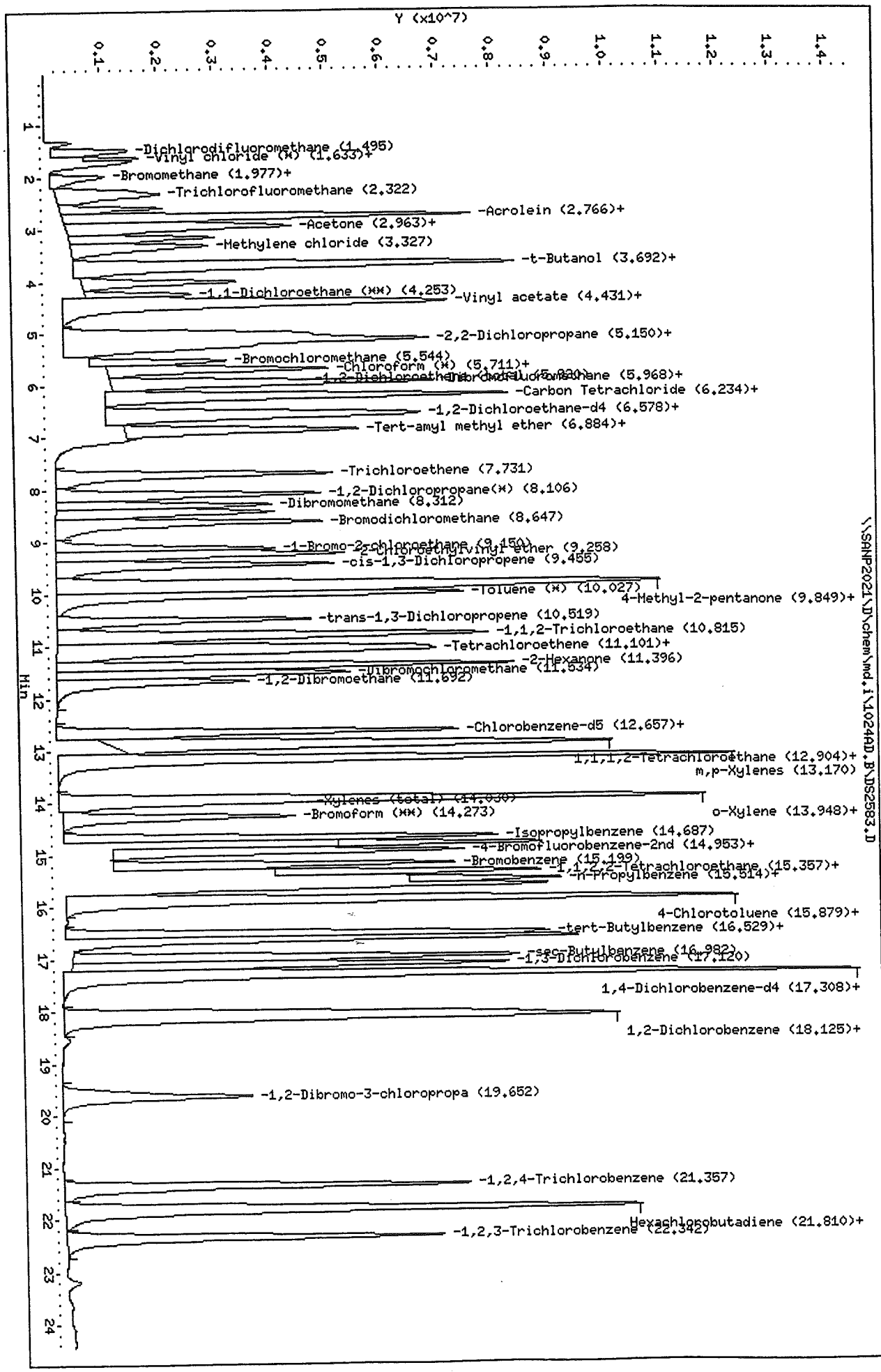
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\SANP2021\D\chem\md.i\1024AD.B\DS2583.D
Date : 24-OCT-2000 14:20
Client ID:
Sample Info: 400 PPB 8260B STD,,5,0,,,8260BDA.M

Column phase: J&W DB-624

Instrument: md.i
Operator: GFB
Column diameter: 0.53



BOE-C6-0173873

8260B SAMPLE / QC DATA

DATE ANALYZED: 10-19-2000

INSTRUMENT ID: MH

SAMPLES: EUJ1806

000381

ST ... s Angeles

PJK 1/3/00

GC/MS VOA Run Log

Batch ID: 0294501

☐ EPA 524.2 ☐ EPA 624 ☑ SW8260B [SOP: CORP-MS-0002 Rev 2] ☐ 5030B ☐ 5035

Instrument: MSH | EM Set: 1753 | Tune File: BFB.U | Seq File: 101913H | Date: 10/19/2000 PM

Init. Cal ID: 826013HL

Inj. Time	Analyst	File ID	Work Order #	AS #	Matrix	Sample Wt/Vol	Dil.	I.S.	Run	Rerun	pH	Comments
						1µL			✓			MSVOA1198-1
18:13	AD	HT1152	50ng BFB									
18:29		HS2200	10ppb 826013	1	L	25mL	1.0	119	✓			S1263-1, S1264-1, S1D1259-
19:09		H12670	LCS 101913H	2				115	✓			DC1260-1
19:39		71	MB 101913H	3				110	✓			
20:12		72	DM95J1AA	3				106	✓		2	EOJ170188
20:42		DNANMIAA 73	DNANMIAA	5				110	✓			EOJ170247
21:12		DNANPIAA 74	DNANPIAA	6				104	✓			
21:43		75	DNCJ01AA	7				104	✓			EOJ180165
22:13		76	DNCJ21AA	8				110	✓			
22:43		77	DM06A103	9				104	✓			EOJ110260
23:13		78	DM402IAA	6				107	✓		7	EOJ130207
23:43		79	DM41YIAA	7				101	✓		2	
0:13		80	DM95E1AA	8				97	✓			EOJ170188
00:43		81	DM95G1AA	9				32	N			IS OUT
01:13		82	DM95A1AA	10		125ML	2.0	91	✓			
01:43		83	DNAL11AA	11		25ML	1.0	83	✓			EOJ170242
02:13		84	DNAL71AA	12				93	✓			
02:44		85	DNAL81AA	13				92	✓			
03:14		86	DM9V8 1AE	14				86	✓			EOJ170165
03:44		87	DM06A104S	15				87	✓			EOJ1107602 MS
04:14		88	DM06A105D	16				93	✓			↓MSD
04:44		89	DM95E1AAS	1				93	✓			EOJ170182 MS
05:14		90	DM95E1ADD	2				95	✓			↓MSD
05:44		H126 91	DM9WF1AE	3				93	✓			EOJ170165-2

PM 10/24/00 PM 10/20/00

0003382

BOE-C6-0173875

8A
VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: SDGA99687

Lab File ID (Standard): HS2200 Date Analyzed: 10/19/00

Instrument ID: MH Time Analyzed: 1829

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) CAP

		IS1 AREA #	RT	IS2 (CBZ) AREA #	RT	IS3 (DCB) AREA #	RT
	12 HOUR STD	1190778	7.62	832485	13.11	482269	17.73
	UPPER LIMIT	2381556	8.12	1664970	13.61	964538	18.23
	LOWER LIMIT	595389	7.12	416243	12.61	241135	17.23
	EPA SAMPLE NO.						
01	H12670	1150043	7.63	796448	13.11	468869	17.72
02	H12671	1104834	7.63	780631	13.12	427474	17.73
03	H12672	1062052	7.63	720836	13.11	371774	17.74
04	H12673	1106047	7.63	793246	13.10	427680	17.73
05	H12674	1044436	7.64	723122	13.12	408871	17.74
06	H12675	1045367	7.62	737159	13.11	410388	17.73
07	H12676	1005905	7.62	701648	13.10	384842	17.72
08	H12677	1040436	7.62	730965	13.11	406559	17.73
09	H12678	1072544	7.62	766700	13.11	429430	17.73
10	H12679	1010460	7.62	710301	13.11	405532	17.72
11	H12680	978703	7.62	693856	13.10	388990	17.73
12	H12681	320965*	7.66	406824*	13.11	332269	17.73
13	H12682	916573	7.62	644322	13.11	354757	17.73
14	H12683	831728	7.62	591620	13.11	324916	17.72
15	H12684	933611	7.62	653990	13.10	368128	17.73
16	H12685	928665	7.62	654988	13.11	362186	17.72
17	H12686	861444	7.63	617434	13.11	342443	17.73
18	H12687	874411	7.63	608585	13.11	369492	17.72
19	H12688	932470	7.61	652333	13.10	390282	17.71
20	H12689	939963	7.62	652778	13.10	392920	17.72
21	H12690	954441	7.63	659216	13.11	398434	17.73
22	H12691	934200	7.62	655210	13.11	368427	17.72

IS1 = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

UPPER LIMIT = +100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk.

FORM VIII VOA 1/87 Rev.

STL Los Angeles

Data file : \\SANP2007\D\CHEM\MH.I\1019BH.B\HT1154.D
Lab Smp Id:
Inj Date : 19-OCT-2000 18:13
Operator : AD
Smp Info : 50NG BFB,BFB,,,,,,BFB.M
Misc Info : 1UL MSVOA1198-1,,,3,ALL.SUB
Comment :
Method : \\SANP2007\D\CHEM\MH.I\1019BH.B\BFB.M
Meth Date : 23-May-2000 08:16 gradyc
Cal Date :
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.00
Processing Host: SANP2007

Inst ID: mh.i

Quant Type: ISTD
Cal File:
QC Sample: BFB

Compound Sublist: all.sub
Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vf * VI

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
VI	1.000	Injection Volume

RT	EXP RT	(REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/L)	TARGET RANGE	RATIO
1 Bromofluorobenzene						CAS #: 460-00-4		
1.9776	1.8000	(0.000)	95	47634			0.00- 100.00	100.00
1.9776	1.8000	(0.000)	50	9593			15.00- 40.00	20.14
1.9776	1.8000	(0.000)	75	23845			30.00- 60.00	50.06
1.9776	1.8000	(0.000)	96	3462			5.00- 9.00	7.27
1.9776	1.8000	(0.000)	173	0			0.00- 2.00	0.00
1.9776	1.8000	(0.000)	174	32725			50.00- 0.00	68.70
1.9776	1.8000	(0.000)	175	2145			5.00- 9.00	6.55
1.9776	1.8000	(0.000)	176	31093			95.00- 101.00	95.01
1.9776	1.8000	(0.000)	177	2252			5.00- 9.00	7.24

10/19/2000

Data File: \\SANP2007\D\CHEM\MH.I\1019BH.B\HT1154.D

Date : 19-OCT-2000 18:13

Client ID:

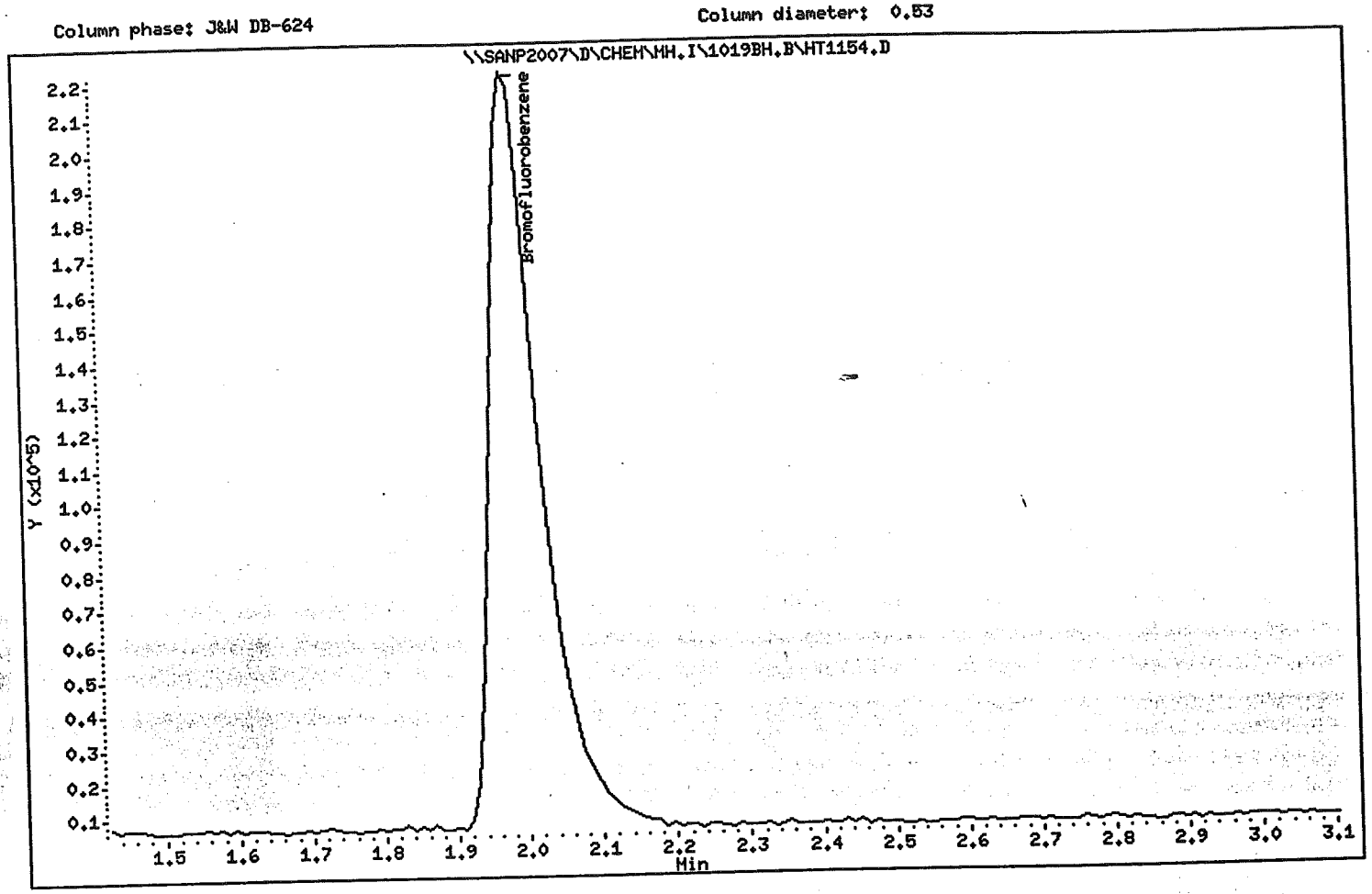
Instrument: mh.i

Sample Info: 50NG BFB,BFB,,,,,,BFB.M

Operator: AD

Column phase: J&W DB-624

Column diameter: 0.53



Data File: \\SANP2007\D\CHEM\MH.I\1019BH.B\HT1154.D

Date : 19-OCT-2000 18:13

Client ID:

Sample Info: 50NG BFB,BFB,,,,,,BFB.M

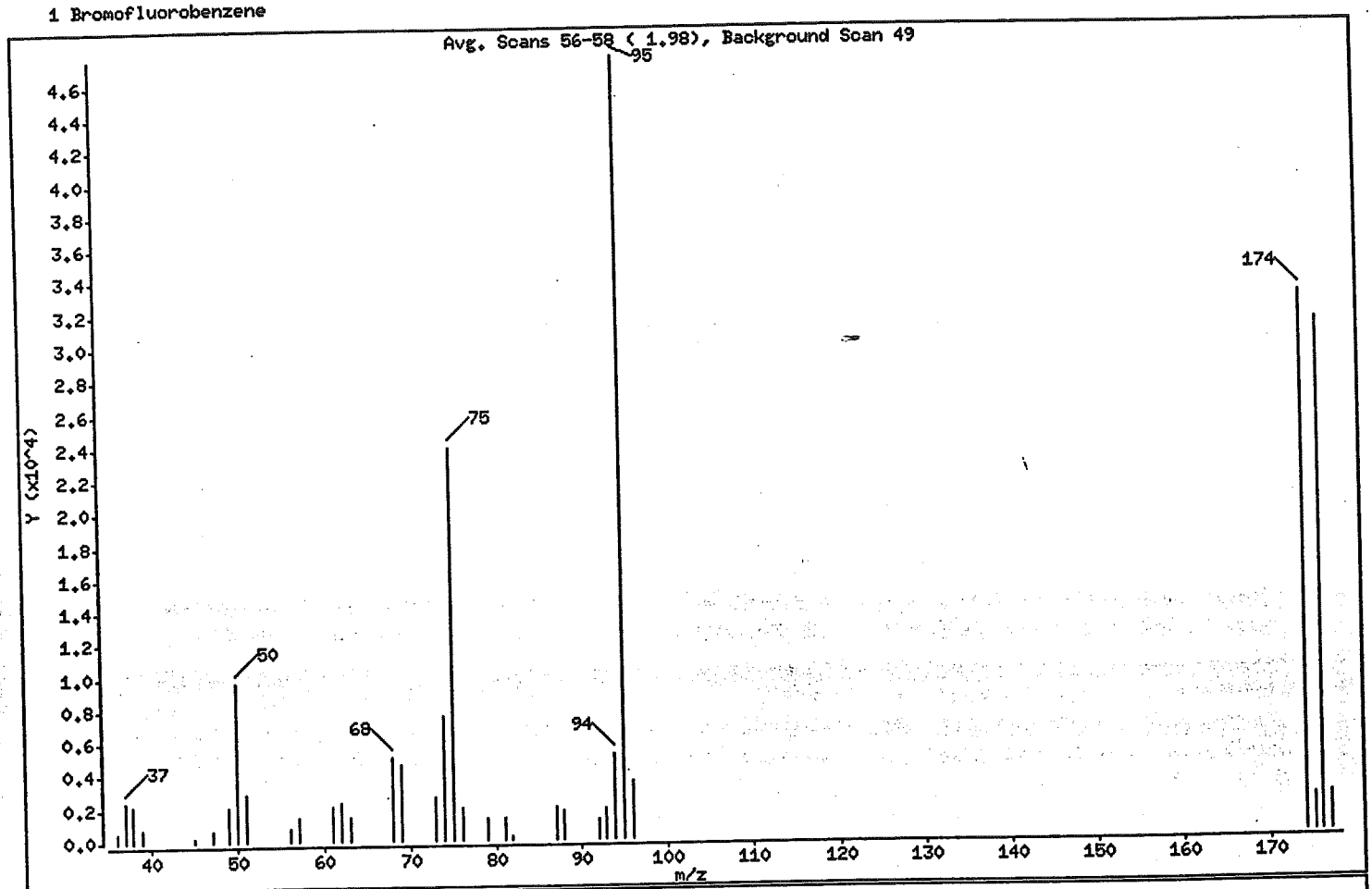
Instrument: mh.i

Operator: AD

Column phase: J&W DB-624

Column diameter: 0.53

1 Bromofluorobenzene



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	20.14
75	30.00 - 60.00% of mass 95	50.06
96	5.00 - 9.00% of mass 95	7.27
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	68.70
175	5.00 - 9.00% of mass 174	4.50 (6.55)
176	95.00 - 101.00% of mass 174	65.27 (95.01)
177	5.00 - 9.00% of mass 176	4.73 (7.24)

Data File: \\SANP2007\D\CHEM\MH.I\1019BH.B\HT1154.D

Date : 19-OCT-2000 18:13

Client ID:

Instrument: mh.i

Sample Info: 50NG BFB,BFB,,,,,,BFB.M

Operator: AD

Column phase: J&W DB-624

Column diameter: 0.53

Data File: HT1154.D

Spectrum: Avg. Scans 56-58 (1.98), Background Scan 49

Location of Maximum: 95.00

Number of points: 34

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	503	56.00	758	75.00	23840	94.00	5194
37.00	2442	57.00	1398	76.00	1984	95.00	47632
38.00	2169	61.00	2116	79.00	1362	96.00	3462
39.00	721	62.00	2298	81.00	1363	174.00	32720
45.00	190	63.00	1467	82.00	167	175.00	2145
47.00	672	68.00	5078	87.00	1953	176.00	31088
49.00	2028	69.00	4587	88.00	1750	177.00	2252
50.00	9593	73.00	2642	92.00	1242		
51.00	2811	74.00	7569	93.00	1807		

STL Los Angeles

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mh.i
Lab File ID: HS2200.D
Analysis Type: WATER
Lab Sample ID: 10 PPB 8260B STD Quant Type: ISTD
Method: \\SANP2007\D\CHEM\MH.I\1019BH.B\8260BHL.m

Injection Date: 19-OCT-2000 18:29
Init. Cal. Date(s): 13-OCT-2000 13-OCT-2000
Init. Cal. Times: 10:30 15:24

BM 10/18/2000

	COMPOUND	RRF	RF10	MIN RRF	%D	MAX %D	
	1 Dichlorodifluoromethane	0.45246	0.40888	0.010	-9.6	50.0	
	2 Chloromethane (**)	0.20249	0.21104	0.100	4.2	50.0	
	3 Vinyl chloride (*)	0.22902	0.23327	0.010	1.9	20.0	
	4 Bromomethane	0.25109	0.25631	0.010	2.1	50.0	
	5 Chloroethane	0.12421	0.14169	0.010	14.1	50.0	
	6 Trichlorofluoromethane	0.84115	0.76877	0.010	-8.6	50.0	
	10 Acrolein	0.00569	0.00486	0.010	-14.6	20.0	<-
	8 1,1-Dichloroethene(*)	0.25948	0.27242	0.010	5.0	20.0	
	9 1,1,2-Trichlorotrifluoroeth	0.45033	0.41538	0.010	-7.8	50.0	
	11 Iodomethane	0.59028	0.76923	0.010	30.3	20.0	<-
	7 Acetone	0.01842	0.01528	0.010	-17.1	50.0	
	12 Carbon disulfide	0.83358	0.88383	0.010	6.0	50.0	
	13 Methylene chloride	0.25859	0.23890	0.010	-7.6	50.0	
	14 Acrylonitrile	0.01530	0.01325	0.010	-13.4	20.0	
	15 t-Butanol	0.00585	0.00491	0.010	-16.2	20.0	<-
	19 Vinyl acetate	0.45292	0.37494	0.010	-17.2	20.0	
	16 trans-1,2-Dichloroethene	0.32041	0.31477	0.010	-1.8	20.0	
	17 Methyl-tert-butyl ether[MTB	0.38302	0.33275	0.010	-13.1	50.0	
	18 1,1-Dichloroethane (**)	0.57754	0.52075	0.100	-9.8	20.0	
	20 Isopropyl ether	0.90113	0.75835	0.010	-15.8	20.0	
	21 Tert-butyl ethyl ether	0.68813	0.59270	0.010	-13.9	20.0	
M	25 1,2-Dichloroethene (total)	0.33013	0.31594	0.010	-4.3	20.0	
	22 2,2-Dichloropropane	0.58709	0.52901	0.010	-9.9	50.0	
	23 cis-1,2-Dichloroethene	0.33985	0.31712	0.010	-6.7	20.0	
	24 2-Butanone	0.03386	0.02461	0.010	-27.3	50.0	
	27 Bromochloromethane	0.18541	0.16017	0.010	-13.6	50.0	
	28 Chloroform (*)	0.83126	0.69448	0.010	-16.5	20.0	
	26 Tetrahydrofuran	0.02200	0.01741	0.010	-20.9	20.0	<-
$	29 Dibromofluoromethane	0.63214	0.66510	0.010	5.2	50.0	
	30 1,1,1-Trichloroethane	0.78511	0.66645	0.010	-15.1	20.0	
	31 Carbon Tetrachloride	0.80070	0.65423	0.010	-18.3	20.0	
	32 1,1-Dichloropropene	0.52835	0.48589	0.010	-8.0	50.0	
$	33 1,2-Dichloroethane-d4	0.28114	0.27707	0.010	-1.4	50.0	
	34 1,2-Dichloroethane-d4 2nd	0.04054	0.05243	0.010	29.3	50.0	
	35 Benzene	0.83832	0.75268	0.010	-10.2	20.0	

STL Los Angeles

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mh.i
Lab File ID: HS2200.D
Analysis Type: WATER
Lab Sample ID: 10 PPB 8260B STD Quant Type: ISTD
Method: \\SANP2007\D\CHEM\MH.I\1019BH.B\8260BHL.m

Injection Date: 19-OCT-2000 18:29
Init. Cal. Date(s): 13-OCT-2000 13-OCT-2000
Init. Cal. Times: 10:30 15:24

	COMPOUND	RRF	RF10	MIN RRF	%D	MAX %D	
	36 1,2-Dichloroethane	0.35929	0.28692	0.010	-20.1	20.0	<-
	37 Tert-amyl methyl ether	0.47961	0.44219	0.010	-7.8	20.0	
	39 Trichloroethene	0.47281	0.41870	0.010	-11.4	20.0	
	40 1,2-Dichloropropane(*)	0.34960	0.30125	0.010	-13.8	20.0	
	41 Dibromomethane	0.26059	0.20928	0.010	-19.7	50.0	
	42 Bromodichloromethane	0.73244	0.58525	0.010	-20.1	20.0	<-
	44 2-Chloroethylvinyl ether	0.01625	0.01281	0.010	-21.1	20.0	<-
	43 1-Bromo-2-chloroethane	0.45538	0.42124	0.010	-7.5	50.0	
	45 cis-1,3-Dichloropropene	0.43436	0.37603	0.010	-13.4	50.0	
	46 4-Methyl-2-pentanone	0.10759	0.08406	0.010	-21.9	50.0	
$	47 Toluene-d8	1.10127	1.20090	0.010	9.0	50.0	
	48 Toluene (*)	1.51115	1.33063	0.010	-11.9	20.0	
	49 trans-1,3-Dichloropropene	0.43939	0.37699	0.010	-14.2	50.0	
	50 1,1,2-Trichloroethane	0.29914	0.24682	0.010	-17.5	50.0	
	51 Tetrachloroethene	0.64620	0.54684	0.010	-15.4	20.0	
	52 1,3-Dichloropropane	0.46388	0.38835	0.010	-16.3	50.0	
	53 2-Hexanone	0.10172	0.07574	0.010	-25.5	50.0	
	54 Dibromochloromethane	0.75029	0.55227	0.010	-26.4	50.0	
	55 1,2-Dibromoethane	0.44735	0.36885	0.010	-17.5	50.0	
	57 Chlorobenzene (**)	1.13419	0.97444	0.300	-14.1	50.0	
	58 1,1,1,2-Tetrachloroethane	0.64103	0.52471	0.010	-18.1	50.0	
	59 Ethylbenzene (*)	0.51168	0.45239	0.010	-11.6	20.0	
	60 m,p-Xylenes	0.65689	0.58274	0.010	-11.3	20.0	
M	61 Xylenes (total)	0.63953	0.56785	0.010	-11.2	20.0	
	62 o-Xylene	0.60482	0.53807	0.010	-11.0	20.0	
	63 Styrene	0.94235	0.85148	0.010	-9.6	50.0	
	64 Bromoform (**)	0.42029	0.30467	0.100	-27.5	50.0	
	65 Isopropylbenzene	2.03681	1.78620	0.010	-12.3	50.0	
$	66 4-Bromofluorobenzene	0.79683	0.84792	0.010	6.4	50.0	
	67 4-Bromofluorobenzene-2nd	0.56993	0.58865	0.010	3.3	50.0	
	68 Bromobenzene	0.95615	0.86238	0.010	-9.8	50.0	
	69 1,1,2,2-Tetrachloroethane(*	0.60317	0.53106	0.300	-12.0	50.0	
	70 1,2,3-Trichloropropane	0.13240	0.12132	0.010	-8.4	50.0	
	71 n-Propylbenzene	3.63184	3.38324	0.010	-6.8	50.0	
	72 2-Chlorotoluene	0.76820	0.72353	0.010	-5.8	50.0	
	73 4-Chlorotoluene	0.81188	0.77518	0.010	-4.5	50.0	

STL Los Angeles

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mh.i
Lab File ID: HS2200.D
Analysis Type: WATER
Lab Sample ID: 10 PPB 8260B STD Quant Type: ISTD
Method: \\SANP2007\D\CHEM\MH.I\1019BH.B\8260BHL.m

Injection Date: 19-OCT-2000 18:29
Init. Cal. Date(s): 13-OCT-2000 13-OCT-2000
Init. Cal. Times: 10:30 15:24

COMPOUND	RRF	RF10	MIN RRF	%D	MAX %D
74 1,3,5-Trimethylbenzene	2.76865	2.55529	0.010	-7.7	50.0
75 tert-Butylbenzene	2.92557	2.66098	0.010	-9.0	50.0
76 1,2,4-Trimethylbenzene	2.73634	2.47934	0.010	-9.4	50.0
77 sec-Butylbenzene	3.71875	3.60619	0.010	-3.0	50.0
78 1,3-Dichlorobenzene	1.66054	1.42727	0.010	-14.0	50.0
80 p-Isopropyltoluene	3.23720	2.97004	0.010	-8.3	50.0
81 1,4-Dichlorobenzene	1.78773	1.60913	0.010	-10.0	50.0
82 1,2-Dichlorobenzene	1.42785	1.23287	0.010	-13.7	50.0
83 n-Butylbenzene	3.32554	3.13108	0.010	-5.8	50.0
84 1,2-Dibromo-3-chloropropane	0.12661	0.10065	0.010	-20.5	50.0
85 1,2,4-Trichlorobenzene	1.14604	0.98353	0.010	-14.2	50.0
86 Hexachlorobutadiene	1.20687	1.04132	0.010	-13.7	50.0
87 Napthalene	0.92392	0.78008	0.010	-15.6	20.0
88 1,2,3-Trichlorobenzene	0.89131	0.76677	0.010	-14.0	50.0

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mh.i
Lab File ID: HS2200.D
Lab Smp Id: 10 PPB 8260B STD
Analysis Type: VOA
Quant Type: ISTD
Operator: AD
Method File: \\SANP2007\D\CHEM\MH.I\1019BH.B\8260BHL.m
Misc Info: ,25,,,2,1-8260B.SUB

Calibration Date: 19-OCT-2000
Calibration Time: 17:46

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1199177	599589	2398354	1190778	-0.70
56 Chlorobenzene-d5	850281	425141	1700562	832485	-2.09
79 1,4-Dichlorobenze	485745	242873	971490	482269	-0.72

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	7.62	7.12	8.12	7.62	-0.09
56 Chlorobenzene-d5	13.11	12.61	13.61	13.11	0.02
79 1,4-Dichlorobenze	17.72	17.22	18.22	17.73	0.02

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

STL Los Angeles Calibration Internal Standard Area Check

CCV File : \\SANP2007\D\chem\mh.I\1019BH.B/HS2200.D
Inj. Date : 19-OCT-2000 18:29

ICAL Mid Point : //SANP2007/D/chem/mh.I/1013AH.B/HS2186.D
Inj. Date : 13-OCT-2000 10:30

IS NAME	ICAL RT	CCV RT	DIFF.	ICAL AREA	CCV AREA	%DIFF.
Fluorobenzene	7.61	7.62	-0.01	885281	1190778	134.5%
Chlorobenzene-d5	13.08	13.11	-0.03	582600	832485	142.9%
1,4-Dichlorobenzene-d4	17.72	17.73	-0.01	373110	482269	129.3%

8260B Area difference criteria: 50%-200%

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2007\D\chem\mh.I\1019BH.B\HS2200.D
Lab Smp Id: 10 PPB 8260B STD
Inj Date : 19-OCT-2000 18:29
Operator : AD Inst ID: mh.i
Smp Info : 10 PPB 8260B STD,,,3,0,,,8260BHL.M
Misc Info : ,25,,,2,1-8260B.SUB
Comment :
Method : \\SANP2007\D\CHEM\MH.I\1019BH.B\8260BHL.m
Meth Date : 19-Oct-2000 18:54 DONGA Quant Type: ISTD
Cal Date : 13-OCT-2000 15:24 Cal File: HS2193.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2007

Concentration Formula: Amt * DF * Uf * Vod/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Fctor
Vod	25.000	Default Sample Volume
Vo	25.000	Sample Volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.759	1.759	(0.231)	486890	10.0000	9.04
2 Chloromethane (**)	50	1.946	1.946	(0.255)	251296	10.0000	10.42
3 Vinyl chloride (*)	62	2.015	2.015	(0.265)	277775	10.0000	10.18
4 Bromomethane	94	2.331	2.331	(0.306)	305211	10.0000	10.21
5 Chloroethane	64	2.420	2.420	(0.318)	168725	10.0000	11.41
6 Trichlorofluoromethane	101	2.686	2.686	(0.353)	915433	10.0000	9.14
10 Acrolein	56	3.110	3.110	(0.408)	57848	100.000	85.40
8 1,1-Dichloroethene(*)	96	3.228	3.228	(0.424)	324393	10.0000	10.50
9 1,1,2-Trichlorotrifluoroethan	151	3.238	3.238	(0.425)	494625	10.0000	9.22
11 Iodomethane	142	3.396	3.396	(0.446)	1831965	20.0000	26.06
7 Acetone	43	3.277	3.277	(0.430)	90965	50.0000	41.47
12 Carbon disulfide	76	3.475	3.475	(0.456)	1052445	10.0000	10.60
13 Methylene chloride	84	3.800	3.800	(0.499)	284478	10.0000	9.24
14 Acrylonitrile	53	4.136	4.136	(0.543)	157813	100.000	86.64
15 t-Butanol	59	4.017	4.017	(0.527)	23367	40.0000	33.53(Q)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	19 Vinyl acetate	43	4.934	4.934	(0.648)	892949	20.0000	16.56
	16 trans-1,2-Dichloroethene	96	4.205	4.205	(0.552)	374822	10.0000	9.82
	17 Methyl-tert-butyl ether[MTBE]	73	4.224	4.224	(0.555)	396236	10.0000	8.69
	18 1,1-Dichloroethane (**)	63	4.796	4.796	(0.630)	620099	10.0000	9.02
	20 Isopropyl ether	45	4.974	4.974	(0.653)	903022	10.0000	8.42
	21 Tert-butyl ethyl ether	59	5.546	5.546	(0.728)	705780	10.0000	8.61
M	25 1,2-Dichloroethene (total)	100				752440	20.0000	19.16
	22 2,2-Dichloropropane	77	5.694	5.694	(0.748)	629931	10.0000	9.01
	23 cis-1,2-Dichloroethene	96	5.704	5.704	(0.749)	377618	10.0000	9.33
	24 2-Butanone	43	5.733	5.733	(0.753)	146511	50.0000	36.34
	27 Bromochloromethane	128	6.088	6.088	(0.799)	190725	10.0000	8.64
	28 Chloroform (*)	83	6.246	6.246	(0.820)	826977	10.0000	8.35
	26 Tetrahydrofuran	42	6.187	6.187	(0.812)	20729	10.0000	7.91
$	29 Dibromofluoromethane	111	6.503	6.503	(0.854)	791982	10.0000	10.52
	30 1,1,1-Trichloroethane	97	6.522	6.522	(0.856)	793599	10.0000	8.49
	31 Carbon Tetrachloride	117	6.818	6.818	(0.895)	779047	10.0000	8.17
	32 1,1-Dichloropropene	75	6.808	6.808	(0.894)	578582	10.0000	9.20
$	33 1,2-Dichloroethane-d4	65	7.035	7.035	(0.924)	329925	10.0000	9.86
	34 1,2-Dichloroethane-d4 2nd	102	7.035	7.035	(0.924)	62428	10.0000	12.93(Q)
	35 Benzene	78	7.144	7.144	(0.938)	896274	10.0000	8.98
	36 1,2-Dichloroethane	62	7.173	7.173	(0.942)	341654	10.0000	7.98
	37 Tert-amyl methyl ether	73	7.400	7.400	(0.972)	526550	10.0000	9.22
*	38 Fluorobenzene	96	7.617	7.617	(1.000)	1190778	10.0000	
	39 Trichloroethene	130	8.278	8.278	(1.087)	498581	10.0000	8.86
	40 1,2-Dichloropropane(*)	63	8.623	8.623	(1.132)	358723	10.0000	8.62
	41 Dibromomethane	93	8.840	8.840	(1.161)	249203	10.0000	8.03
	42 Bromodichloromethane	83	9.146	9.146	(1.201)	696901	10.0000	7.99
	44 2-Chloroethylvinyl ether	106	9.757	9.757	(1.281)	30519	20.0000	15.78(Q)
	43 1-Bromo-2-chloroethane	63	9.669	9.669	(1.269)	501605	10.0000	9.25
	45 cis-1,3-Dichloropropene	75	9.964	9.964	(1.308)	447767	10.0000	8.66
	46 4-Methyl-2-pentanone	43	10.280	10.280	(1.350)	500491	50.0000	39.06
$	47 Toluene-d8	98	10.438	10.438	(0.796)	999728	10.0000	10.90
	48 Toluene (*)	91	10.556	10.556	(0.805)	1107729	10.0000	8.80
	49 trans-1,3-Dichloropropene	75	10.990	10.990	(0.838)	313838	10.0000	8.58
	50 1,1,2-Trichloroethane	97	11.326	11.326	(0.864)	205471	10.0000	8.25
	51 Tetrachloroethene	164	11.562	11.562	(0.882)	455236	10.0000	8.46
	52 1,3-Dichloropropane	76	11.602	11.602	(0.885)	323296	10.0000	8.37
	53 2-Hexanone	43	11.838	11.838	(0.903)	315280	50.0000	37.23
	54 Dibromochloromethane	129	12.016	12.016	(0.916)	459756	10.0000	7.36
	55 1,2-Dibromoethane	107	12.184	12.184	(0.929)	307058	10.0000	8.24
*	56 Chlorobenzene-d5	117	13.111	13.111	(1.000)	832485	10.0000	
	57 Chlorobenzene (**)	112	13.160	13.160	(1.004)	811210	10.0000	8.59
	58 1,1,1,2-Tetrachloroethane	131	13.347	13.347	(1.018)	436813	10.0000	8.18
	59 Ethylbenzene (*)	106	13.417	13.417	(1.023)	376609	10.0000	8.84
	60 m,p-Xylenes	106	13.653	13.653	(1.041)	970248	20.0000	17.74
M	61 Xylenes (total)	100				1418185	30.0000	26.64
	62 o-Xylene	106	14.413	14.413	(1.099)	447937	10.0000	8.90

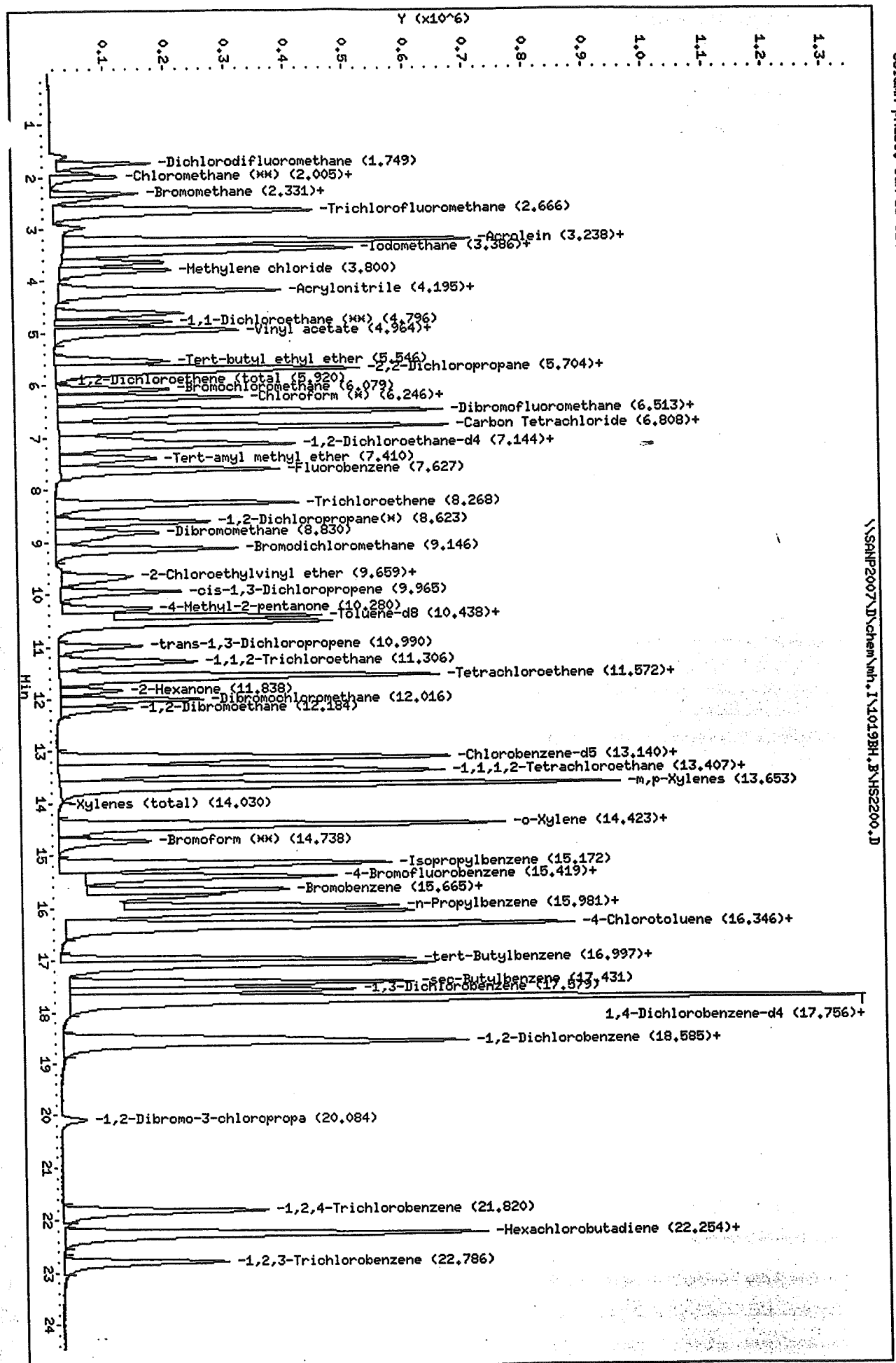
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
63 Styrene	104	14.432	14.432	(1.101)	708846	10.0000	8.04
64 Bromoform (**)	173	14.738	14.738	(1.124)	253635	10.0000	7.25
65 Isopropylbenzene	105	15.162	15.162	(1.156)	1486988	10.0000	8.77
$ 66 4-Bromofluorobenzene	95	15.419	15.419	(1.176)	705882	10.0000	10.64
67 4-Bromofluorobenzene-2nd	174	15.419	15.419	(1.176)	490043	10.0000	10.33
68 Bromobenzene	156	15.675	15.675	(0.884)	415899	10.0000	9.02
69 1,1,2,2-Tetrachloroethane(**)	83	15.764	15.764	(0.889)	256112	10.0000	8.80
70 1,2,3-Trichloropropane	110	15.803	15.803	(0.892)	58508	10.0000	9.16(Q)
71 n-Propylbenzene	91	15.981	15.981	(0.902)	1631631	10.0000	9.32
72 2-Chlorotoluene	126	16.089	16.089	(0.908)	348938	10.0000	9.42(Q)
73 4-Chlorotoluene	126	16.316	16.316	(0.920)	373843	10.0000	9.55
74 1,3,5-Trimethylbenzene	105	16.356	16.356	(0.923)	1232337	10.0000	9.23
75 tert-Butylbenzene	119	16.987	16.987	(0.958)	1283306	10.0000	9.10
76 1,2,4-Trimethylbenzene	105	17.095	17.095	(0.964)	1195707	10.0000	9.06
77 sec-Butylbenzene	105	17.431	17.431	(0.983)	1739153	10.0000	9.70
78 1,3-Dichlorobenzene	146	17.588	17.588	(0.992)	688329	10.0000	8.60
* 79 1,4-Dichlorobenzene-d4	152	17.727	17.727	(1.000)	482269	10.0000	(Q)
80 p-Isopropyltoluene	119	17.756	17.756	(1.002)	1432357	10.0000	9.17
81 1,4-Dichlorobenzene	146	17.766	17.766	(1.002)	776033	10.0000	9.00(H)
82 1,2-Dichlorobenzene	146	18.506	18.506	(1.044)	594576	10.0000	8.63
83 n-Butylbenzene	91	18.594	18.594	(1.049)	1510022	10.0000	9.42
84 1,2-Dibromo-3-chloropropane	157	20.084	20.084	(1.133)	48541	10.0000	7.95
85 1,2,4-Trichlorobenzene	180	21.820	21.820	(1.231)	474328	10.0000	8.58
86 Hexachlorobutadiene	225	22.244	22.244	(1.255)	502194	10.0000	8.63(Q)
87 Napthalene	128	22.273	22.273	(1.256)	376207	10.0000	8.44
88 1,2,3-Trichlorobenzene	180	22.796	22.796	(1.286)	369788	10.0000	8.60

QC Flag Legend

Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: \\SANP2007\D\chem\mh.I\1019BH.B\HS2200.D
Date : 19-OCT-2000 18:29
Client ID:
Sample Info: 10 PPB 8260B STD,,3,0,,,8260BHL.M
Purge Volume: 25.0
Column phase: J&W DB-624

Instrument: mh.i
Operator: AD
Column diameter: 0.53



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2007\D\CHEM\MH.I\1019BH.B\H12670.D
Lab Smp Id: LCS-1019BH Client Smp ID: H12670
Inj Date : 19-OCT-2000 19:09
Operator : AD Inst ID: mh.i
Smp Info : LCS-1019BH,LCS,1,,0,1,0,8260BHL.M,H12670
Misc Info : ,25,,,3,SPK.SUB,SH.SPK
Comment :
Method : \\SANP2007\D\CHEM\MH.I\1019BH.B\8260BHL.m
Meth Date : 19-Oct-2000 19:31 DONGA Quant Type: ISTD
Cal Date : 13-OCT-2000 15:24 Cal File: HS2193.D
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SPK.SUB
Target Version: 4.00
Processing Host: SANP2007

Concentration Formula: Amt * DF * Uf * Vod/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Fctor
Vod	25.000	Default Sample Volume
Vo	25.000	Sample Volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
8 1,1-Dichloroethene(*)	96	3.228	3.228	(0.423)	334635	11.2137	11.21
$ 29 Dibromofluoromethane	111	6.503	6.503	(0.853)	760086	10.4553	10.46
$ 33 1,2-Dichloroethane-d4	65	7.035	7.035	(0.922)	313669	9.70153	9.70
34 1,2-Dichloroethane-d4 2nd	102	7.045	7.035	(0.924)	58684	12.5856	12.58
35 Benzene	78	7.144	7.144	(0.937)	902937	9.36553	9.36
* 38 Fluorobenzene	96	7.627	7.617	(1.000)	1150043	10.0000	
39 Trichloroethene	130	8.268	8.278	(1.084)	511152	9.40051	9.40
$ 47 Toluene-d8	98	10.438	10.438	(0.796)	960859	10.9549	10.95
48 Toluene (*)	91	10.546	10.556	(0.804)	1116701	9.27835	9.28
* 56 Chlorobenzene-d5	117	13.111	13.111	(1.000)	796448	10.0000	
57 Chlorobenzene (**)	112	13.160	13.160	(1.004)	813002	9.00015	9.00
$ 66 4-Bromofluorobenzene	95	15.419	15.419	(1.176)	675685	10.6468	10.65
67 4-Bromofluorobenzene-2nd	174	15.419	15.419	(1.176)	472087	10.4002	10.40
* 79 1,4-Dichlorobenzene-d4	152	17.717	17.727	(1.000)	468869	10.0000	(Q)

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mh.i
Lab File ID: H12670.D
Lab Smp Id: LCS-1019BH
Analysis Type: VOA
Quant Type: ISTD
Operator: AD
Method File: \\SANP2007\D\CHEM\MH.I\1019BH.B\8260BHL.m
Misc Info: ,25,,,3,SPK.SUB,SH.SPK

Calibration Date: 19-OCT-2000
Calibration Time: 18:29
Client Smp ID: H12670
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1190778	595389	2381556	1150043	-3.42
56 Chlorobenzene-d5	832485	416243	1664970	796448	-4.33
79 1,4-Dichlorobenze	482269	241135	964538	468869	-2.78

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	7.62	7.12	8.12	7.63	0.13
56 Chlorobenzene-d5	13.11	12.61	13.61	13.11	0.00
79 1,4-Dichlorobenze	17.73	17.23	18.23	17.72	-0.06

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

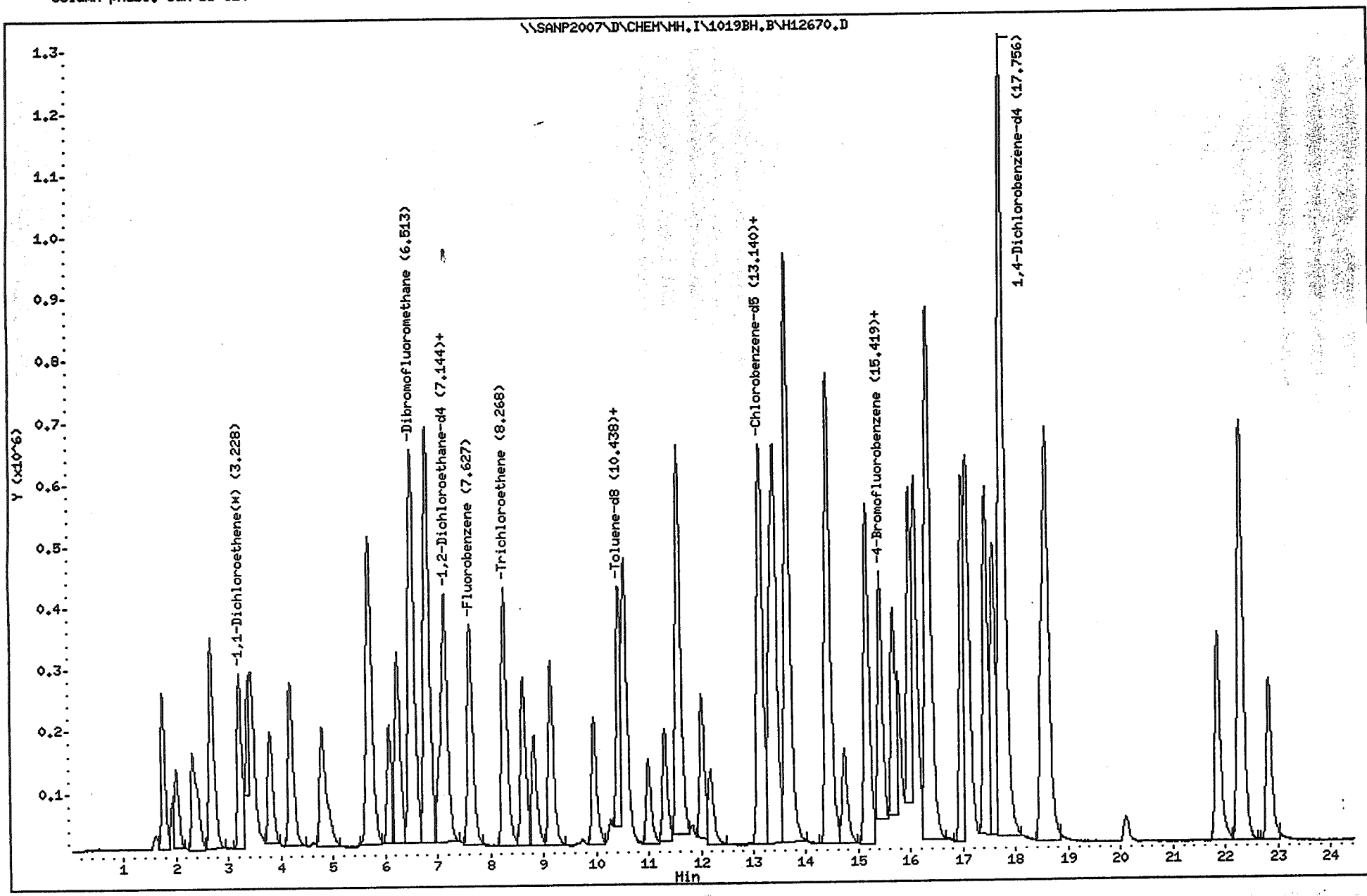
QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\SANP2007\D\CHEM\MH.I\1019BH.B\H12670.D
Date : 19-OCT-2000 19:09
Client ID: H12670
Sample Info: LCS-1019BH,LCS,1,,0,1,0,8260BHL.M,H12670
Purge Volume: 25.0
Column phase: J&W DB-624

Instrument: mh.i

Operator: AD
Column diameter: 0.53



000400

BOE-C6-0173893

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2007\D\CHEM\MH.I\1019BH.B\H12671.D
Lab Smp Id: MB-1019BH
Client Smp ID: H12671
Inj Date : 19-OCT-2000 19:39
Operator : AD
Inst ID: mh.i
Smp Info : MB-1019BH,BLANK,1,,0,1,0,8260BHL.M,H12671
Misc Info : ,25,,,3,1-8260B.SUB
Comment :
Method : \\SANP2007\D\CHEM\MH.I\1019BH.B\8260BHL.m
Meth Date : 19-Oct-2000 19:31 DONGA
Quant Type: ISTD
Cal Date : 13-OCT-2000 15:24
Cal File: HS2193.D
Als bottle: 3
QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2007

Concentration Formula: Amt * DF * Uf * Vod/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Fctor
Vod	25.000	Default Sample Volume
Vo	25.000	Sample Volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
7 Acetone	43	2.772	3.277	(0.363)	25681	12.6199	12.62
$ 29 Dibromofluoromethane	111	6.510	6.503	(0.853)	745564	10.6752	10.68
$ 33 1,2-Dichloroethane-d4	65	7.042	7.035	(0.922)	293727	9.45647	9.46
34 1,2-Dichloroethane-d4 2nd	102	7.032	7.035	(0.921)	52218	11.6572	11.66
* 38 Fluorobenzene	96	7.634	7.617	(1.000)	1104834	10.0000	
$ 47 Toluene-d8	98	10.435	10.438	(0.795)	907324	10.5541	10.55
* 56 Chlorobenzene-d5	117	13.118	13.111	(1.000)	780631	10.0000	
$ 66 4-Bromofluorobenzene	95	15.416	15.419	(1.175)	624685	10.0427	10.04
67 4-Bromofluorobenzene-2nd	174	15.416	15.419	(1.175)	432274	9.71610	9.72
* 79 1,4-Dichlorobenzene-d4	152	17.733	17.727	(1.000)	427474	10.0000	(Q)
87 Napthalene	128	22.280	22.273	(1.256)	17822	0.45124	0.451(a)
88 1,2,3-Trichlorobenzene	180	22.793	22.796	(1.285)	11498	0.30179	0.302(a)

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mh.i
Lab File ID: H12671.D
Lab Smp Id: MB-1019BH
Analysis Type: VOA
Quant Type: ISTD
Operator: AD
Method File: \\SANP2007\D\CHEM\MH.I\1019BH.B\8260BHL.m
Misc Info: ,25,,,3,1-8260B.SUB

Calibration Date: 19-OCT-2000
Calibration Time: 18:29
Client Smp ID: H12671
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1190778	595389	2381556	1104834	-7.22
56 Chlorobenzene-d5	832485	416243	1664970	780631	-6.23
79 1,4-Dichlorobenze	482269	241135	964538	427474	-11.36

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	7.62	7.12	8.12	7.63	0.22
56 Chlorobenzene-d5	13.11	12.61	13.61	13.12	0.05
79 1,4-Dichlorobenze	17.73	17.23	18.23	17.73	0.04

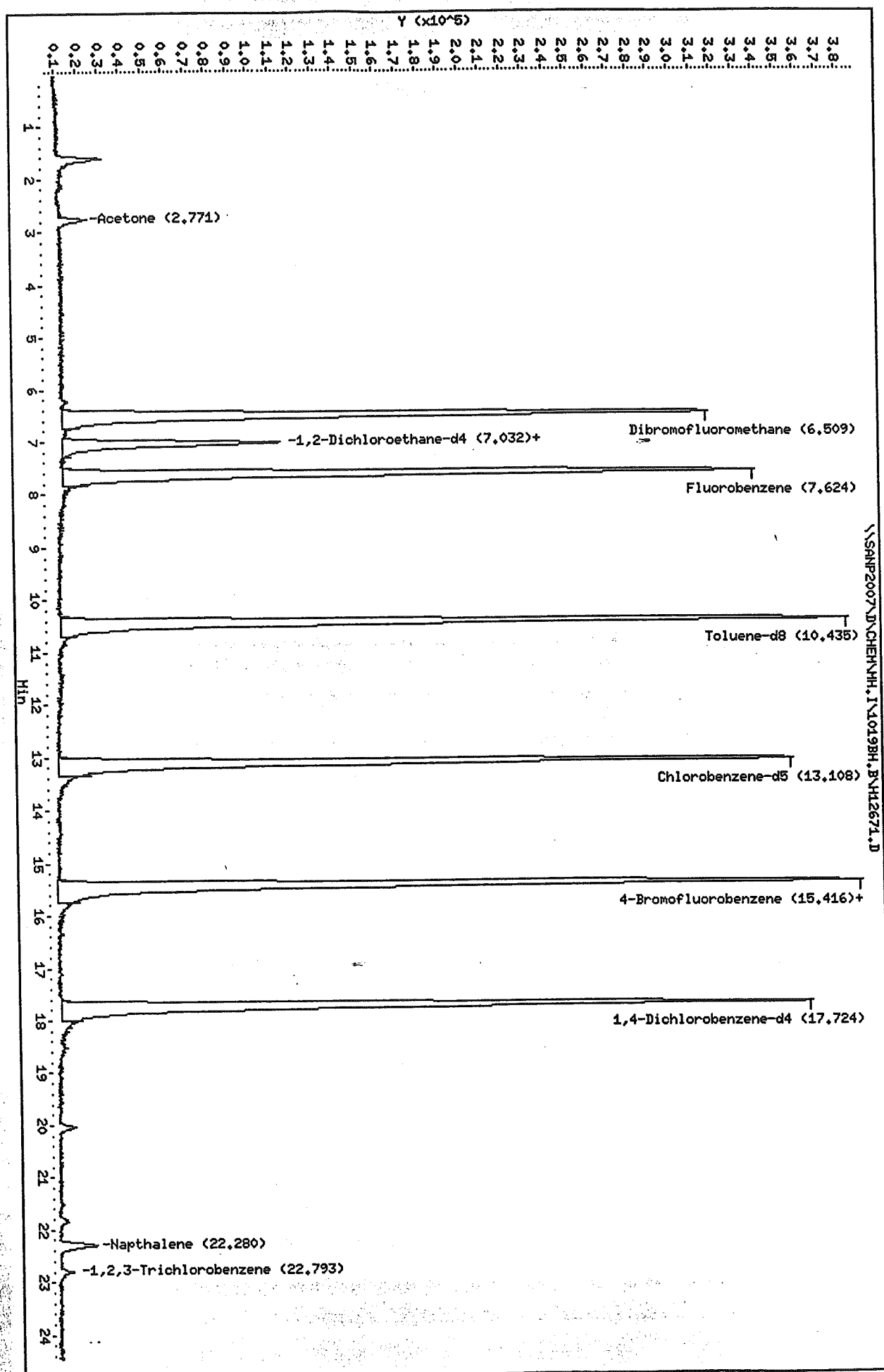
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: \\SANP2007\D\CHEM\MH.I\1019BH.B\H12671.D
Date : 19-OCT-2000 19:39
Client ID: H12671
Sample Info: MB-1019BH,BLANK,1.,0,1.0,8260BHL,M,H12671
Purge Volume: 25.0
Column phase: J&W DB-624

Instrument: mh.i
Operator: AD
Column diameter: 0.53



Data File: \\SANP2007\D\CHEM\MH.I\1019BH.B\H12671.D

Date : 19-OCT-2000 19:39

Client ID: H12671

Instrument: mh.i

Sample Info: MB-1019BH,BLANK,1,,0,1,0,8260BHL.M,H12671

Purge Volume: 25.0

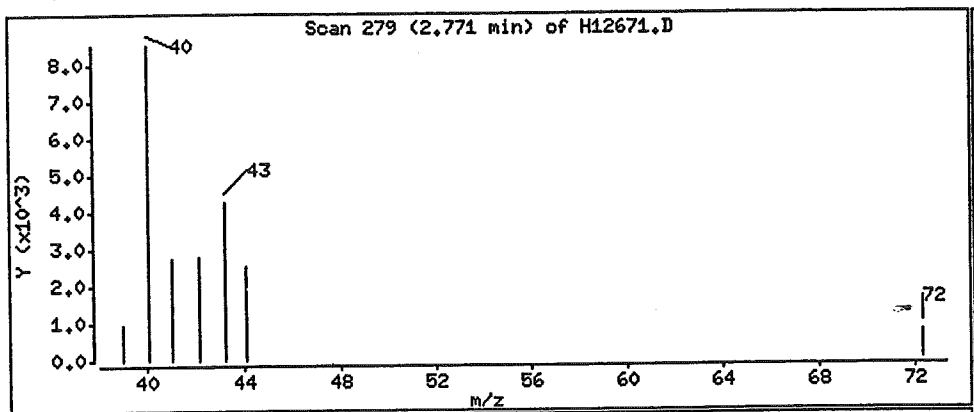
Operator: AD

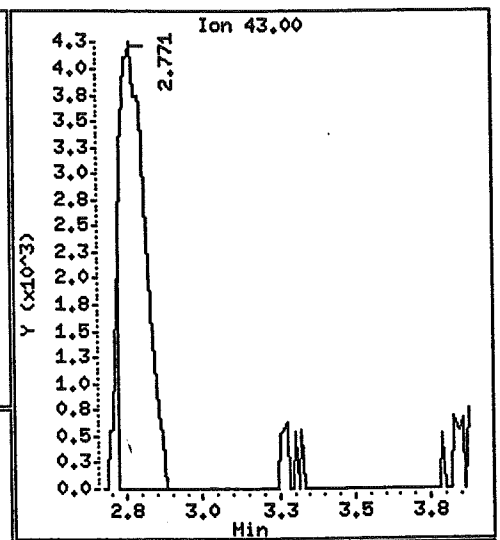
Column phase: J&W DB-624

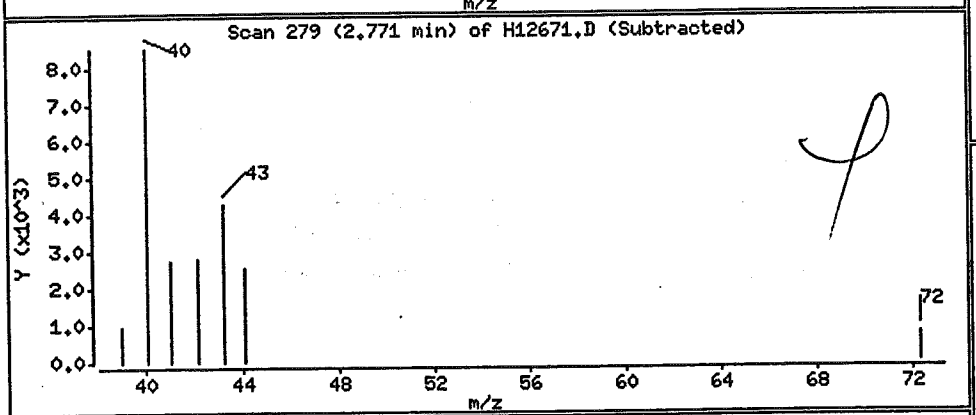
Column diameter: 0.53

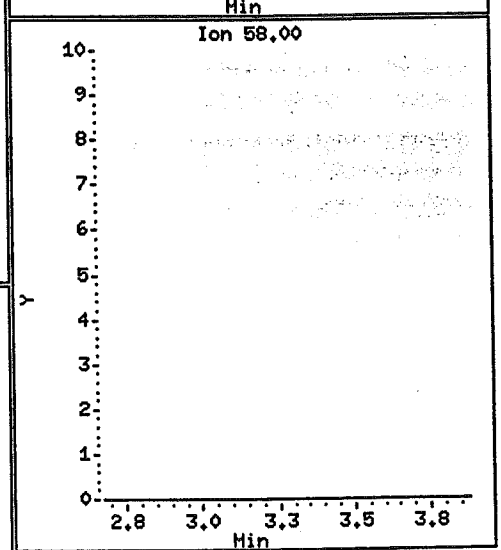
7 Acetone

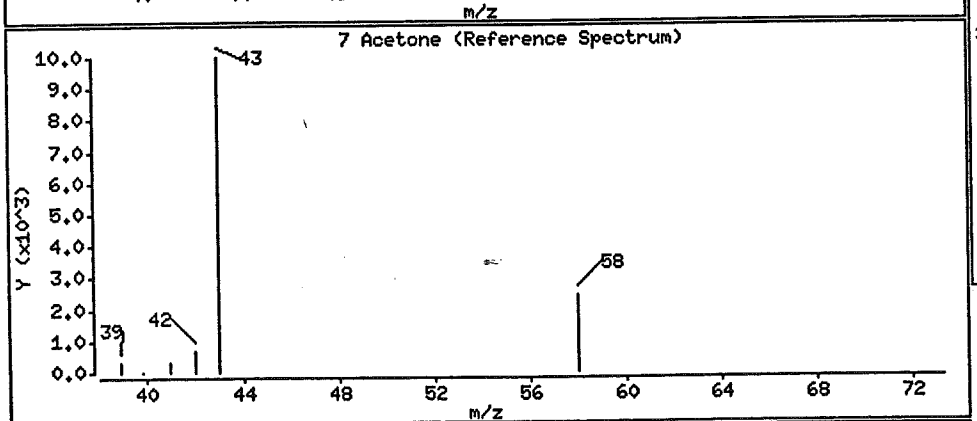
Concentration: 12.62 ug/L

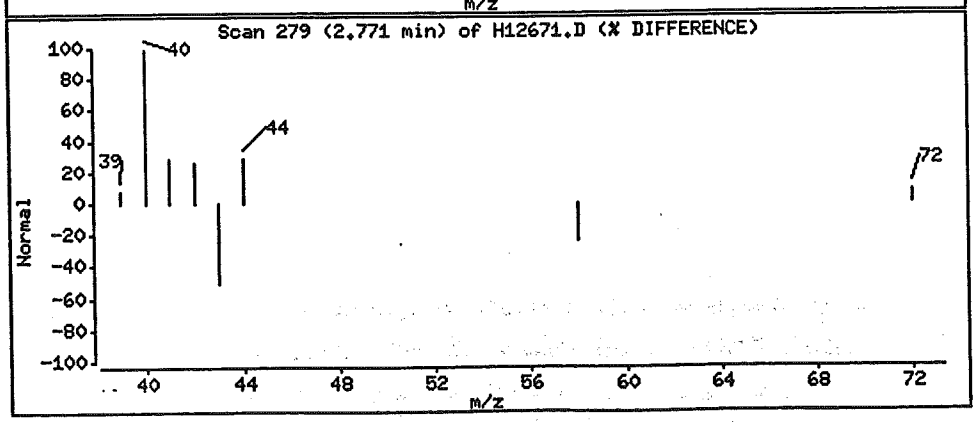












Data File: \\SANP2007\D\CHEM\MH.I\1019BH.B\H12671.D

Date : 19-OCT-2000 19:39

Client ID: H12671

Instrument: mh.i

Sample Info: MB-1019BH,BLANK,1,,0,1,0,8260BHL.M,H12671

Purge Volume: 25.0

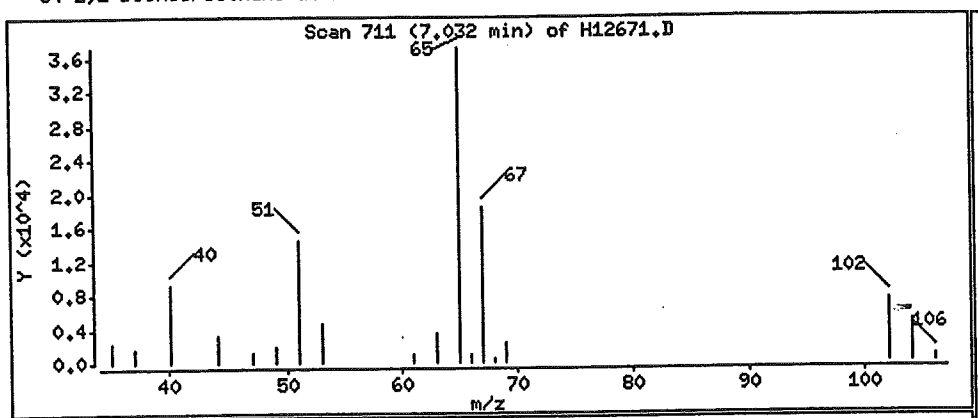
Operator: AD

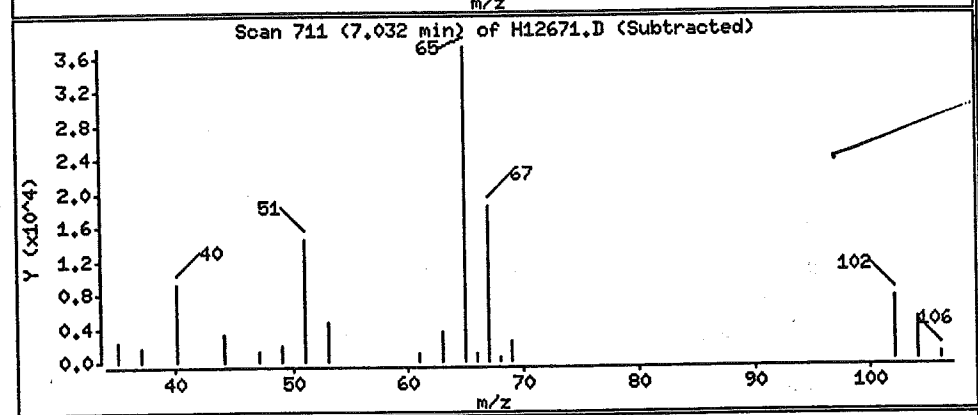
Column phase: J&W DB-624

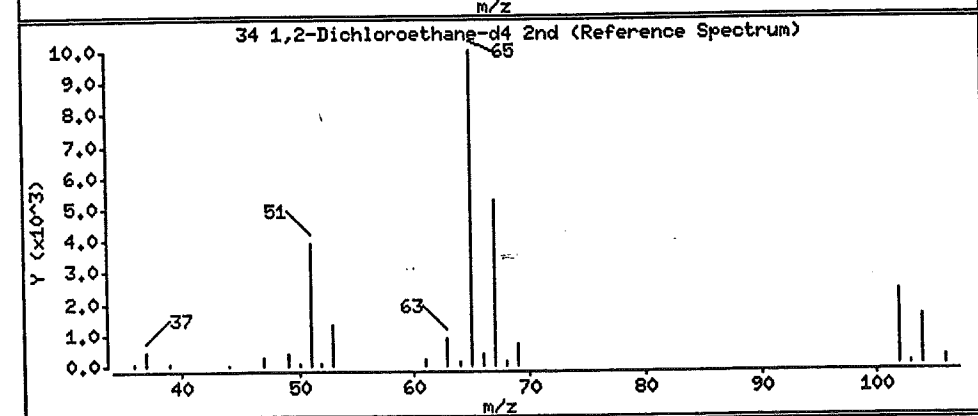
Column diameter: 0.53

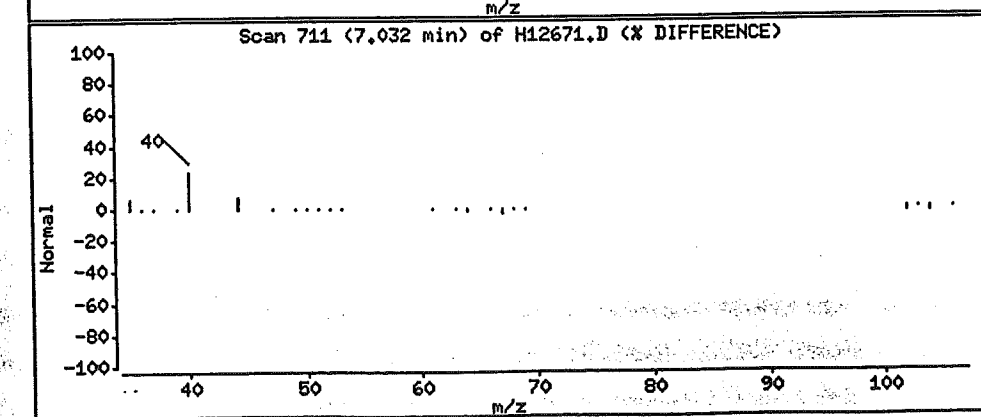
34 1,2-Dichloroethane-d4 2nd

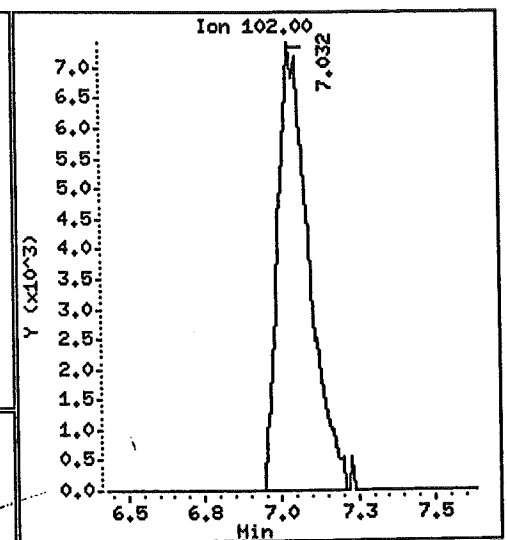
Concentration: 11.66 ug/L

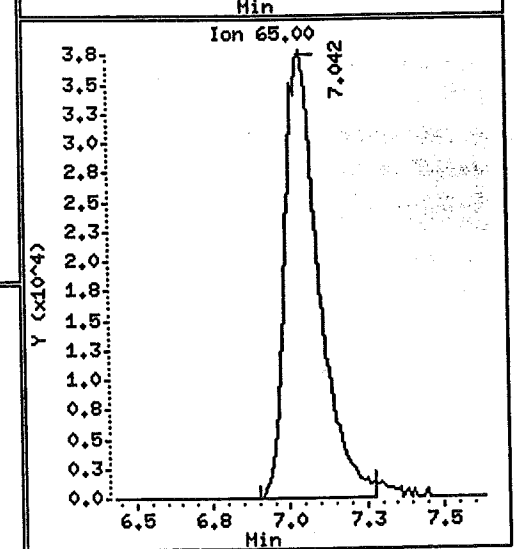












Data File: \\SANP2007\D\CHEM\MH.I\1019BH.B\H12671.D

Date : 19-OCT-2000 19:39

Client ID: H12671

Instrument: mh.i

Sample Info: MB-1019BH,BLANK,1,,0,1,0,8260BHL.M,H12671

Purge Volume: 25.0

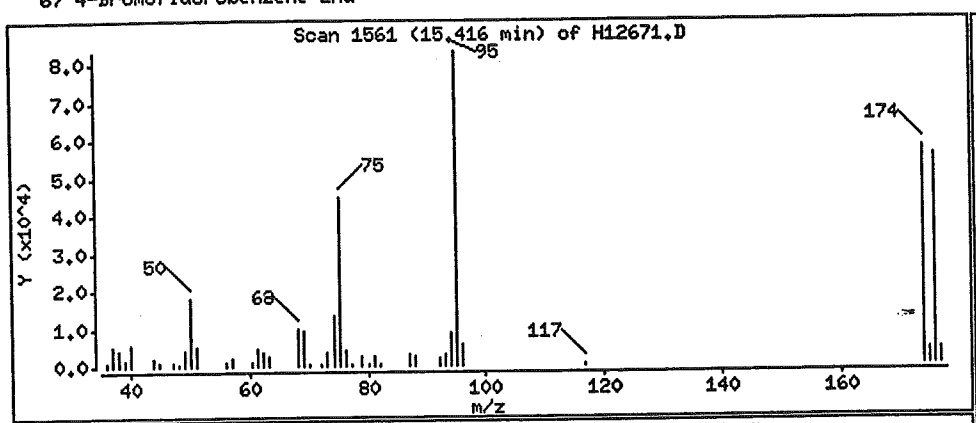
Operator: AD

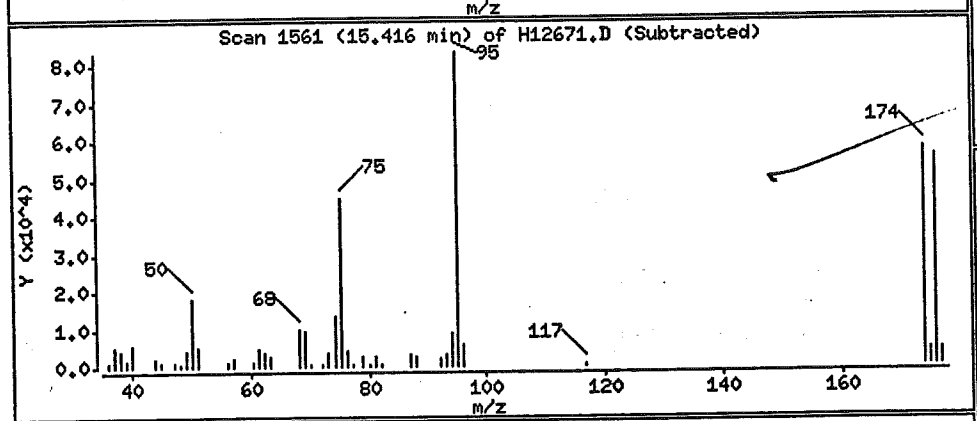
Column phase: J&W DB-624

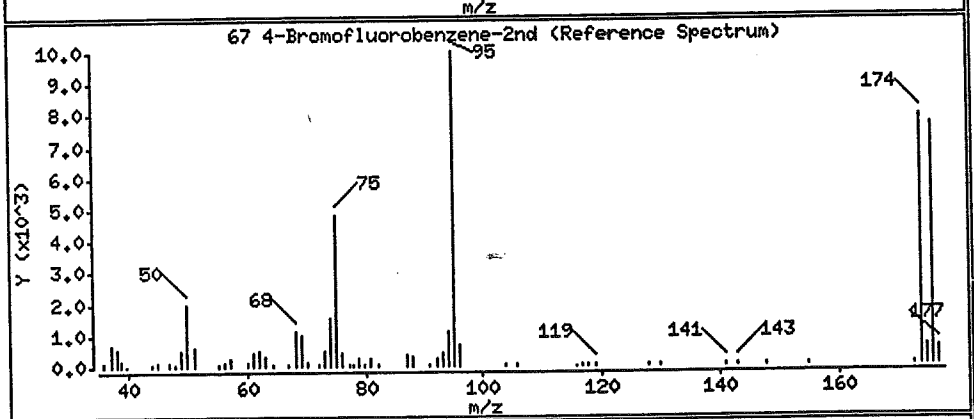
Column diameter: 0.53

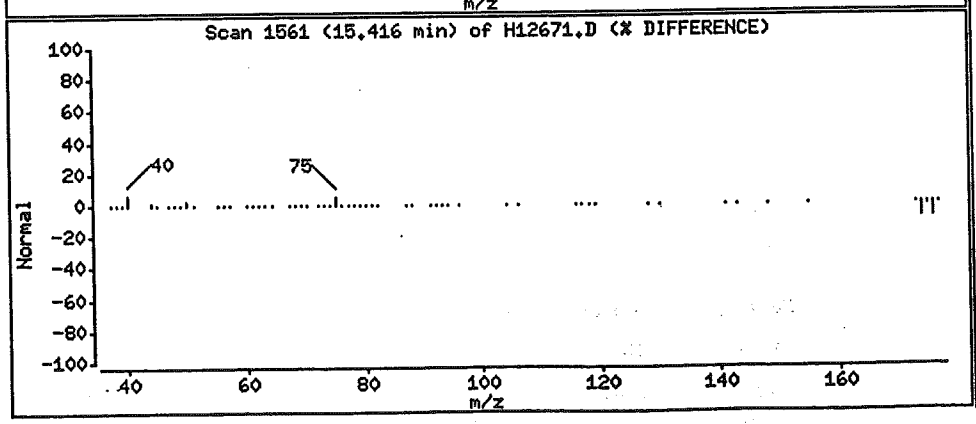
67 4-Bromofluorobenzene-2nd

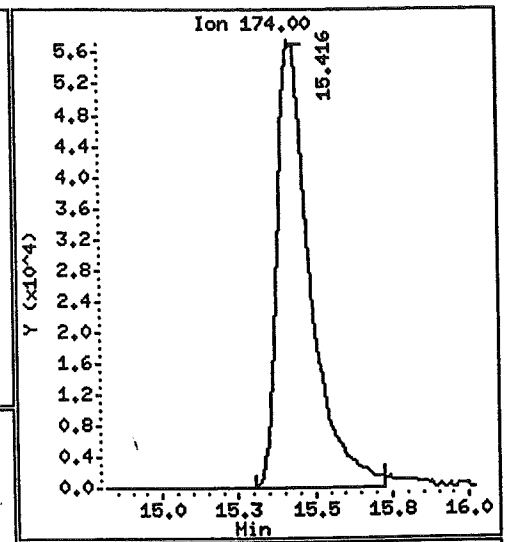
Concentration: 9.72 ug/L

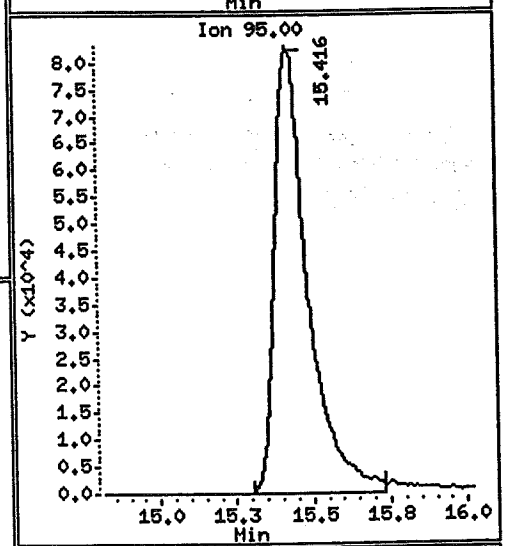


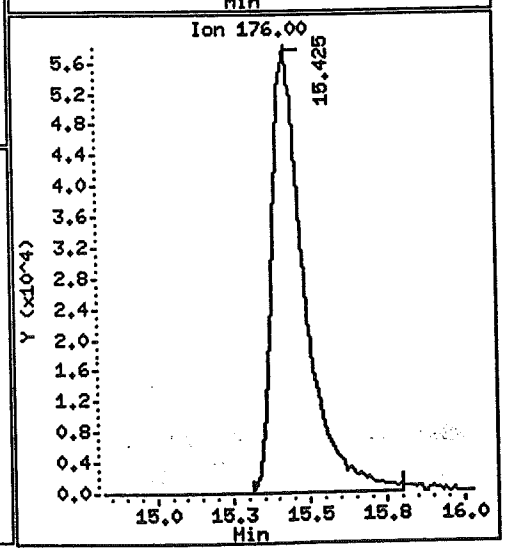












Data File: \\SANP2007\D\CHEM\MH.I\1019BH.B\H12671.D

Date : 19-OCT-2000 19:39

Client ID: H12671

Instrument: mh.i

Sample Info: MB-1019BH,BLANK,1,,0,1,0,8260BHL.M,H12671

Purge Volume: 25.0

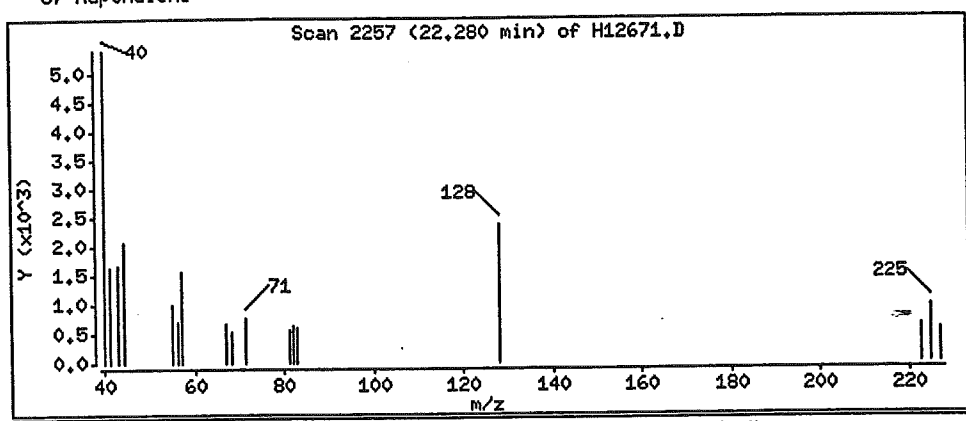
Operator: AD

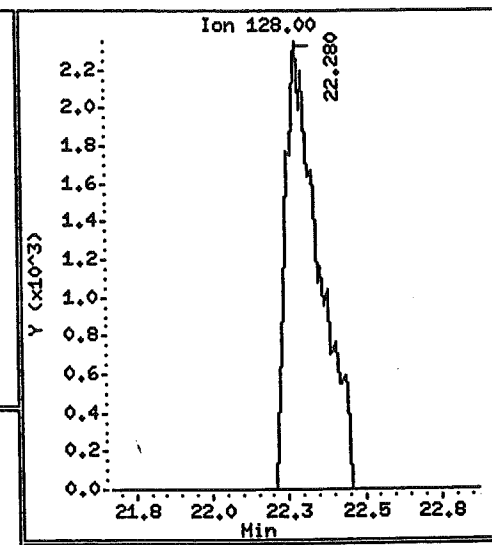
Column phase: J&W DB-624

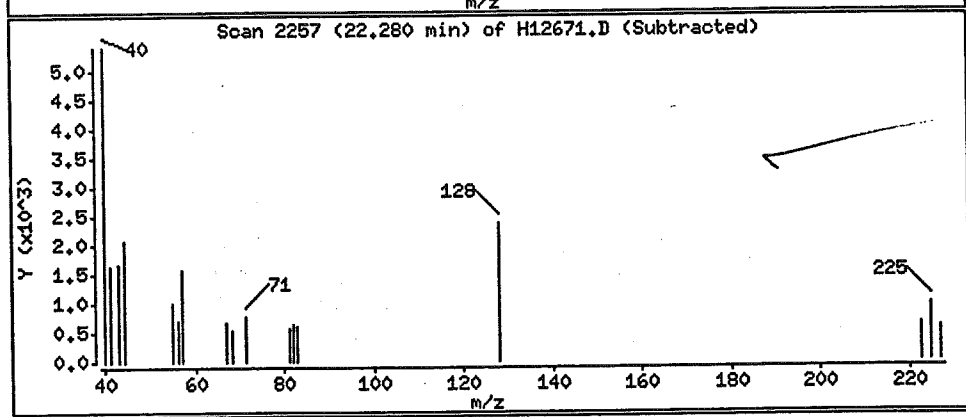
Column diameter: 0.53

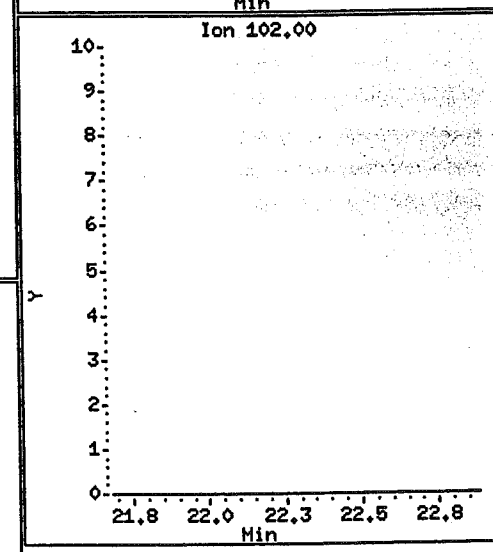
87 Napthalene

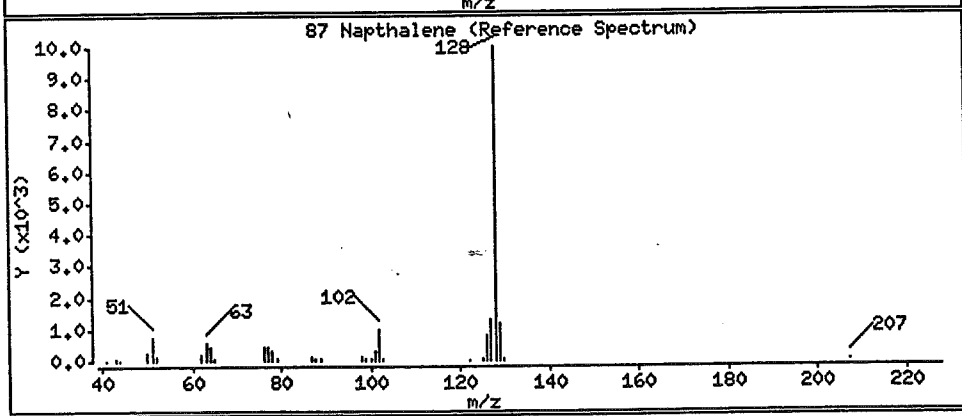
Concentration: 0.451 ug/L

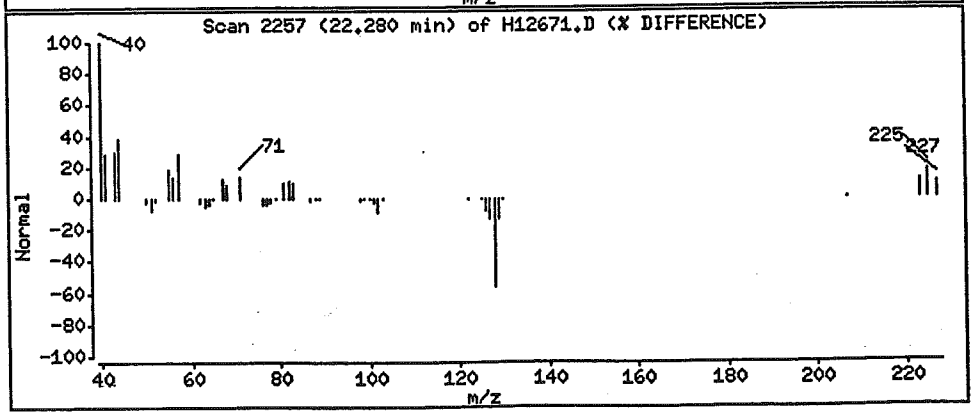












Data File: \\SANP2007\D\CHEM\MH.I\1019BH.B\H12671.D

Date : 19-OCT-2000 19:39

Client ID: H12671

Instrument: mh.i

Sample Info: MB-1019BH,BLANK,1,,0,1,0,8260BHL.M,H12671

Purge Volume: 25.0

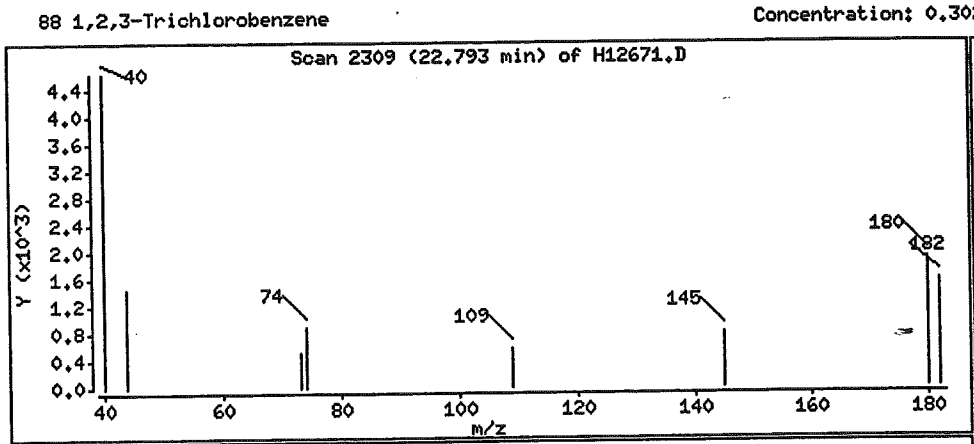
Operator: AD

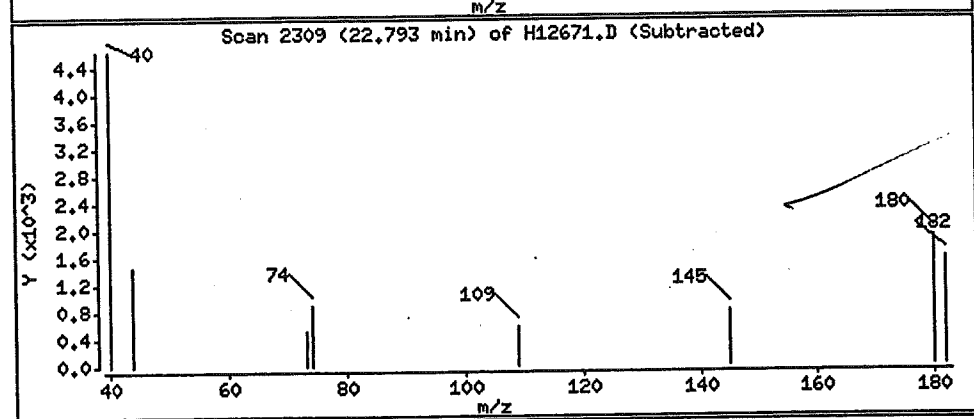
Column phase: J&W DB-624

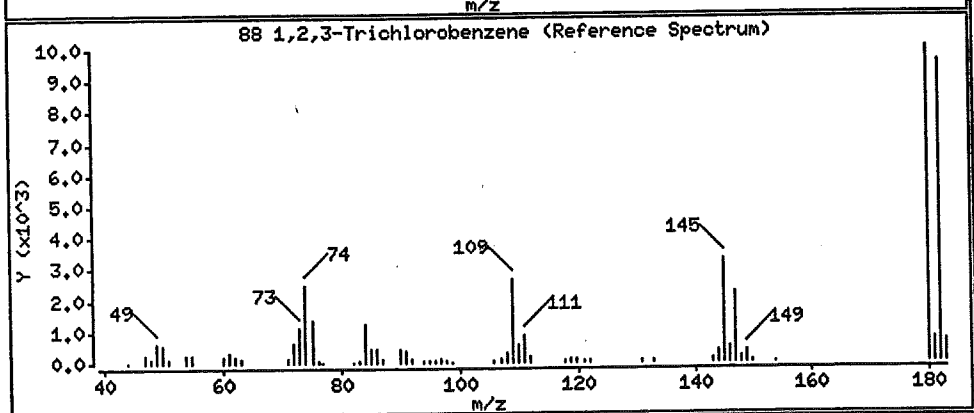
Column diameter: 0.53

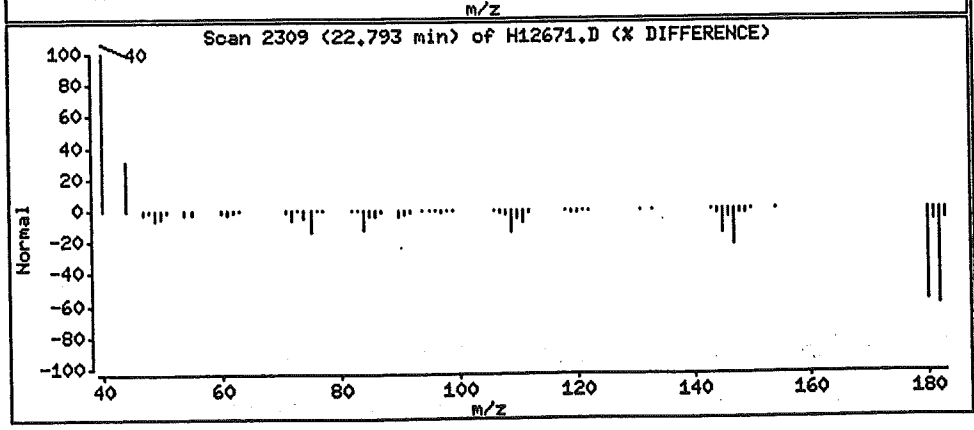
88 1,2,3-Trichlorobenzene

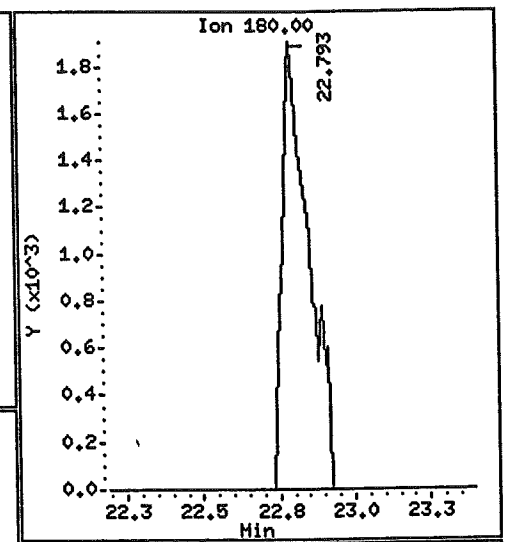
Concentration: 0.302 ug/L

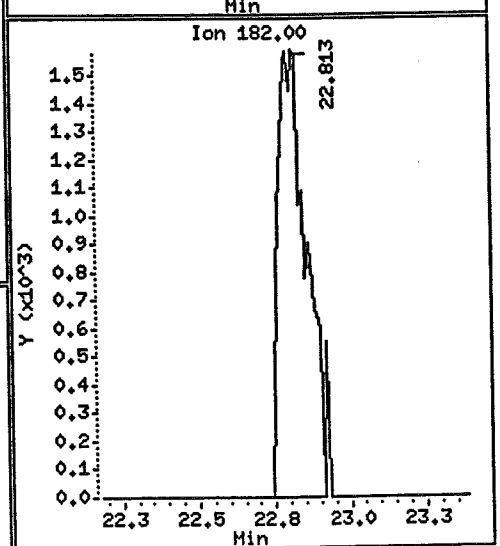


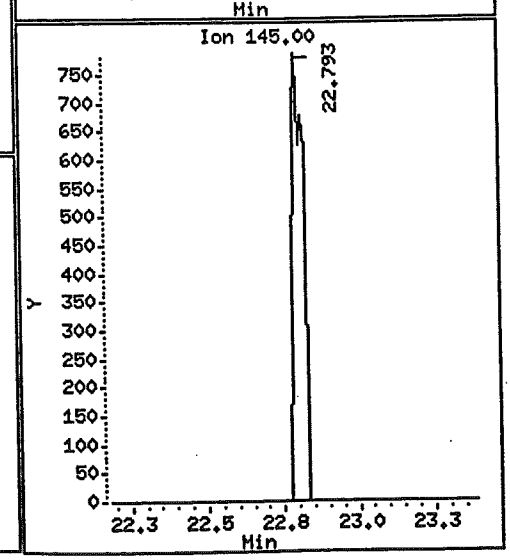












STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2007\D\CHEM\MH.I\1019BH.B\H12689.D
Lab Smp Id: DM95E1AB Client Smp ID: H12689
Inj Date : 20-OCT-2000 04:44
Operator : AD Inst ID: mh.i
Smp Info : DM95E1AB,MS,1,,0,1,0,8260BHL.M,H12689
Misc Info : ,25,,,3,SPK.SUB,SH.SPK
Comment :
Method : \\SANP2007\D\CHEM\MH.I\1019BH.B\8260BHL.m
Meth Date : 19-Oct-2000 19:31 DONGA Quant Type: ISTD
Cal Date : 13-OCT-2000 15:24 Cal File: HS2193.D
Als bottle: 1 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SPK.SUB
Target Version: 4.00
Processing Host: SANP2007

Concentration Formula: Amt * DF * Uf * Vod/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Fctor
Vod	25.000	Default Sample Volume
Vo	25.000	Sample Volume

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	8 1,1-Dichloroethene(*)	96	3.232	3.228	(0.424)	268109	10.9925	10.99
$	29 Dibromofluoromethane	111	6.497	6.503	(0.852)	651194	10.9594	10.96
$	33 1,2-Dichloroethane-d4	65	7.039	7.035	(0.924)	275769	10.4356	10.44
	34 1,2-Dichloroethane-d4 2nd	102	7.039	7.035	(0.924)	47225	12.3917	12.39
	35 Benzene	78	7.138	7.144	(0.937)	739546	9.38519	9.38
*	38 Fluorobenzene	96	7.621	7.617	(1.000)	939963	10.0000	
	39 Trichloroethene	130	8.252	8.278	(1.083)	445189	10.0173	10.02
$	47 Toluene-d8	98	10.432	10.438	(0.796)	804075	11.1850	11.18
	48 Toluene (*)	91	10.550	10.556	(0.805)	890860	9.03098	9.03
*	56 Chlorobenzene-d5	117	13.105	13.111	(1.000)	652778	10.0000	
	57 Chlorobenzene (**)	112	13.154	13.160	(1.004)	658634	8.89599	8.90
$	66 4-Bromofluorobenzene	95	15.413	15.419	(1.176)	565897	10.8794	10.88
	67 4-Bromofluorobenzene-2nd	174	15.413	15.419	(1.176)	407210	10.9454	10.94
*	79 1,4-Dichlorobenzene-d4	152	17.721	17.727	(1.000)	392920	10.0000	(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mh.i
Lab File ID: H12689.D
Lab Smp Id: DM95E1AB
Analysis Type: VOA
Quant Type: ISTD
Operator: AD
Method File: \\SANP2007\D\CHEM\MH.I\1019BH.B\8260BHL.m
Misc Info: ,25,,,3,SPK.SUB,SH.SPK

Calibration Date: 19-OCT-2000
Calibration Time: 18:29
Client Smp ID: H12689
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1190778	595389	2381556	939963	-21.06
56 Chlorobenzene-d5	832485	416243	1664970	652778	-21.59
79 1,4-Dichlorobenze	482269	241135	964538	392920	-18.53

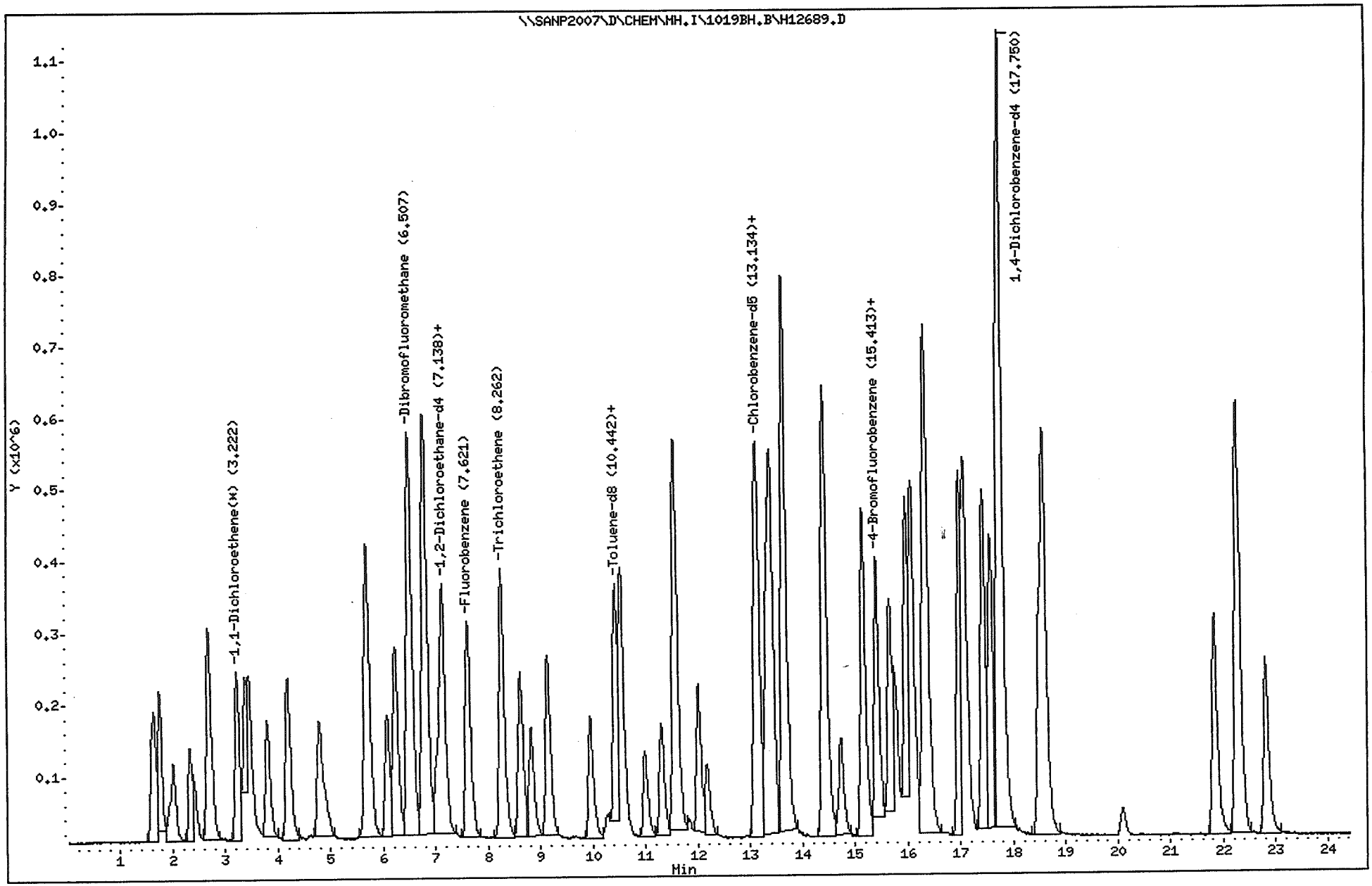
COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	7.62	7.12	8.12	7.62	0.05
56 Chlorobenzene-d5	13.11	12.61	13.61	13.10	-0.05
79 1,4-Dichlorobenze	17.73	17.23	18.23	17.72	-0.03

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\SANP2007\D\CHEM\MH.I\1019BH.B\H12689.D
Date : 20-OCT-2000 04:44
Client ID: H12689
Sample Info: DM95E1AB,MS,1,,0,1,0,8260BHL.M,H12689
Purge Volume: 25.0
Column phase: J&W DB-624

Instrument: mh.i

Operator: AD
Column diameter: 0.53



000413

BOE-C6-0173906

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2007\D\CHEM\MH.I\1019BH.B\H12690.D
Lab Smp Id: DM95E1AC Client Smp ID: H12690
Inj Date : 20-OCT-2000 05:14
Operator : AD Inst ID: mh.i
Smp Info : DM95E1AC,MSD,1,,0,1,0,8260BHL.M,H12690
Misc Info : ,25,,,3,SPK.SUB,SH.SPK
Comment :
Method : \\SANP2007\D\CHEM\MH.I\1019BH.B\8260BHL.m
Meth Date : 19-Oct-2000 19:31 DONGA Quant Type: ISTD
Cal Date : 13-OCT-2000 15:24 Cal File: HS2193.D
Als bottle: 2 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SPK.SUB
Target Version: 4.00
Processing Host: SANP2007

Concentration Formula: Amt * DF * Uf * Vod/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Fctor
Vod	25.000	Default Sample Volume
Vo	25.000	Sample Volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
8 1,1-Dichloroethene(*)	96	3.228	3.228	(0.423)	268320	10.8342	10.83
$ 29 Dibromofluoromethane	111	6.503	6.503	(0.853)	661222	10.9593	10.96
$ 33 1,2-Dichloroethane-d4	65	7.035	7.035	(0.922)	280113	10.4392	10.44
34 1,2-Dichloroethane-d4 2nd	102	7.035	7.035	(0.922)	47859	12.3676	12.37
35 Benzene	78	7.124	7.144	(0.934)	751017	9.38620	9.39
* 38 Fluorobenzene	96	7.627	7.617	(1.000)	954441	10.0000	
39 Trichloroethene	130	8.268	8.278	(1.084)	440455	9.76041	9.76
$ 47 Toluene-d8	98	10.438	10.438	(0.796)	813358	11.2037	11.20
48 Toluene (*)	91	10.546	10.556	(0.804)	892239	8.95663	8.96
* 56 Chlorobenzene-d5	117	13.111	13.111	(1.000)	659216	10.0000	
57 Chlorobenzene (**)	112	13.160	13.160	(1.004)	661131	8.84251	8.84
$ 66 4-Bromofluorobenzene	95	15.418	15.419	(1.176)	561740	10.6940	10.69
67 4-Bromofluorobenzene-2nd	174	15.418	15.419	(1.176)	409144	10.8900	10.89
* 79 1,4-Dichlorobenzene-d4	152	17.726	17.727	(1.000)	398434	10.0000	(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mh.i
Lab File ID: H12690.D
Lab Smp Id: DM95E1AC
Analysis Type: VOA
Quant Type: ISTD
Operator: AD
Method File: \\SANP2007\D\CHEM\MH.I\1019BH.B\8260BHL.m
Misc Info: ,25,,,3,SPK.SUB,SH.SPK

Calibration Date: 19-OCT-2000
Calibration Time: 18:29
Client Smp ID: H12690
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1190778	595389	2381556	954441	-19.85
56 Chlorobenzene-d5	832485	416243	1664970	659216	-20.81
79 1,4-Dichlorobenze	482269	241135	964538	398434	-17.38

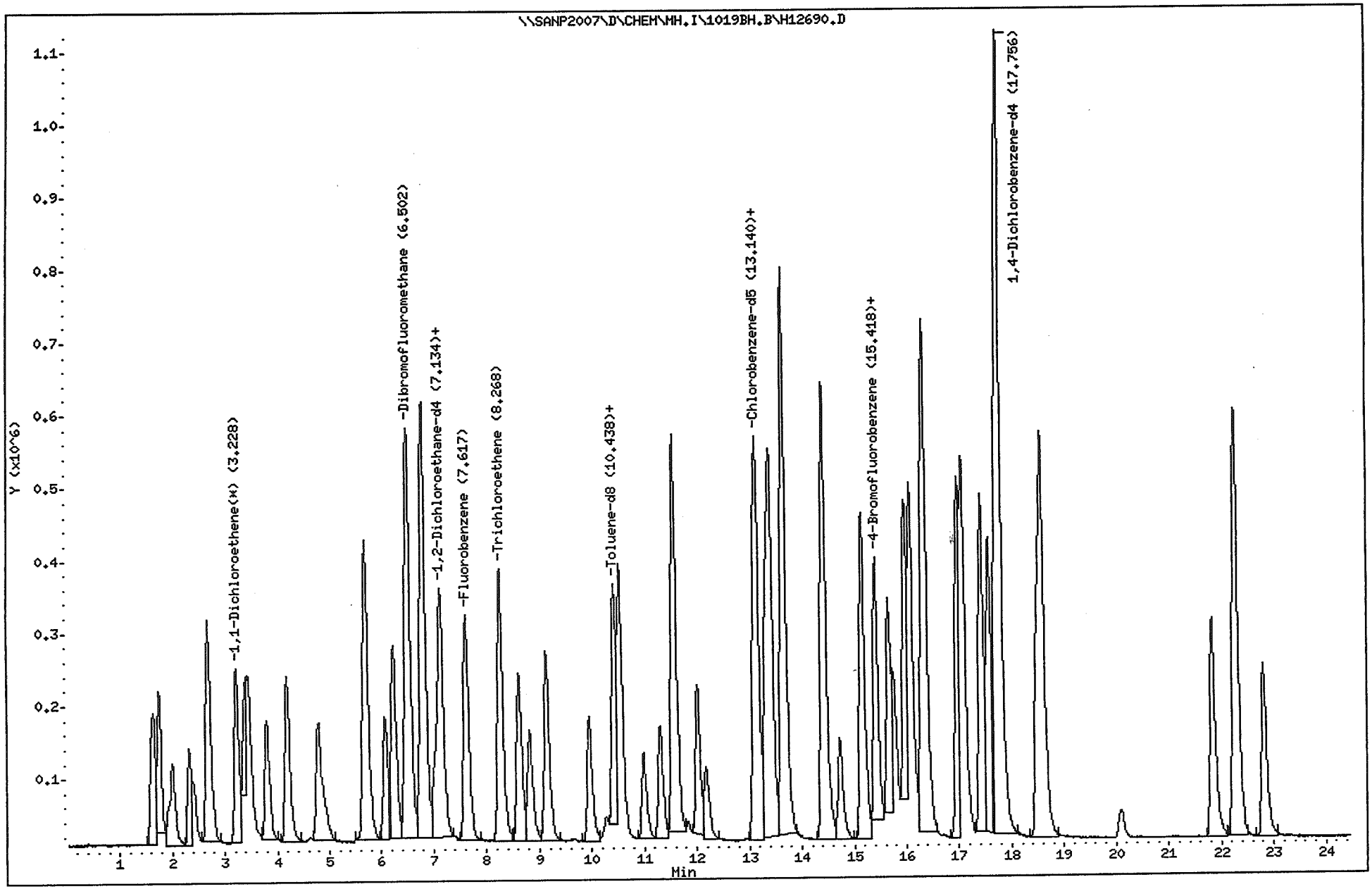
COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	7.62	7.12	8.12	7.63	0.13
56 Chlorobenzene-d5	13.11	12.61	13.61	13.11	-0.00
79 1,4-Dichlorobenze	17.73	17.23	18.23	17.73	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\SANP2007\D\CHEM\MH.I\1019BH.B\H12690.D
Date : 20-OCT-2000 05:14
Client ID: H12690
Sample Info: DM95E1AC,MSD,1,,0,1,0,8260BHL.M,H12690
Purge Volume: 25.0
Column phase: J&W DB-624

Instrument: mh.i

Operator: AD
Column diameter: 0.53



000417

BOE-C6-0173910

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2007\D\CHEM\MH.I\1019BH.B\H12675.D
Lab Smp Id: DNCJ01AA Client Smp ID: H12675
Inj Date : 19-OCT-2000 21:43
Operator : AD Inst ID: mh.i
Smp Info : DNCJ01AA,,1,,0,1,0,8260BHL.M,H12675
Misc Info : ,25,,,0,1-8260B.SUB
Comment :
Method : \\SANP2007\D\CHEM\MH.I\1019BH.B\8260BHL.m
Meth Date : 19-Oct-2000 19:31 DONGA Quant Type: ISTD
Cal Date : 13-OCT-2000 15:24 Cal File: HS2193.D
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2007

Concentration Formula: Amt * DF * Uf * Vod/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Fctor
Vod	25.000	Default Sample Volume
Vo	25.000	Sample Volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
7 Acetone	43	2.771	3.277	(0.363)	32546	16.9030	16.90
$ 29 Dibromofluoromethane	111	6.509	6.503	(0.854)	714894	10.8183	10.82
$ 33 1,2-Dichloroethane-d4	65	7.051	7.035	(0.925)	288066	9.80181	9.80
34 1,2-Dichloroethane-d4 2nd	102	7.042	7.035	(0.924)	51870	12.2381	12.24
* 38 Fluorobenzene	96	7.623	7.617	(1.000)	1045367	10.0000	
$ 47 Toluene-d8	98	10.434	10.438	(0.796)	885206	10.9041	10.90
* 56 Chlorobenzene-d5	117	13.107	13.111	(1.000)	737159	10.0000	
$ 66 4-Bromofluorobenzene	95	15.425	15.419	(1.177)	611855	10.4165	10.42
67 4-Bromofluorobenzene-2nd	174	15.415	15.419	(1.176)	432614	10.2972	10.30
* 79 1,4-Dichlorobenzene-d4	152	17.733	17.727	(1.000)	410388	10.0000	(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mh.i
Lab File ID: H12675.D
Lab Smp Id: DNCJ01AA
Analysis Type: VOA
Quant Type: ISTD
Operator: AD
Method File: \\SANP2007\D\CHEM\MH.I\1019BH.B\8260BHL.m
Misc Info: ,25,,,0,1-8260B.SUB

Calibration Date: 19-OCT-2000
Calibration Time: 18:29
Client Smp ID: H12675
Level: LOW
Sample Type: WATER

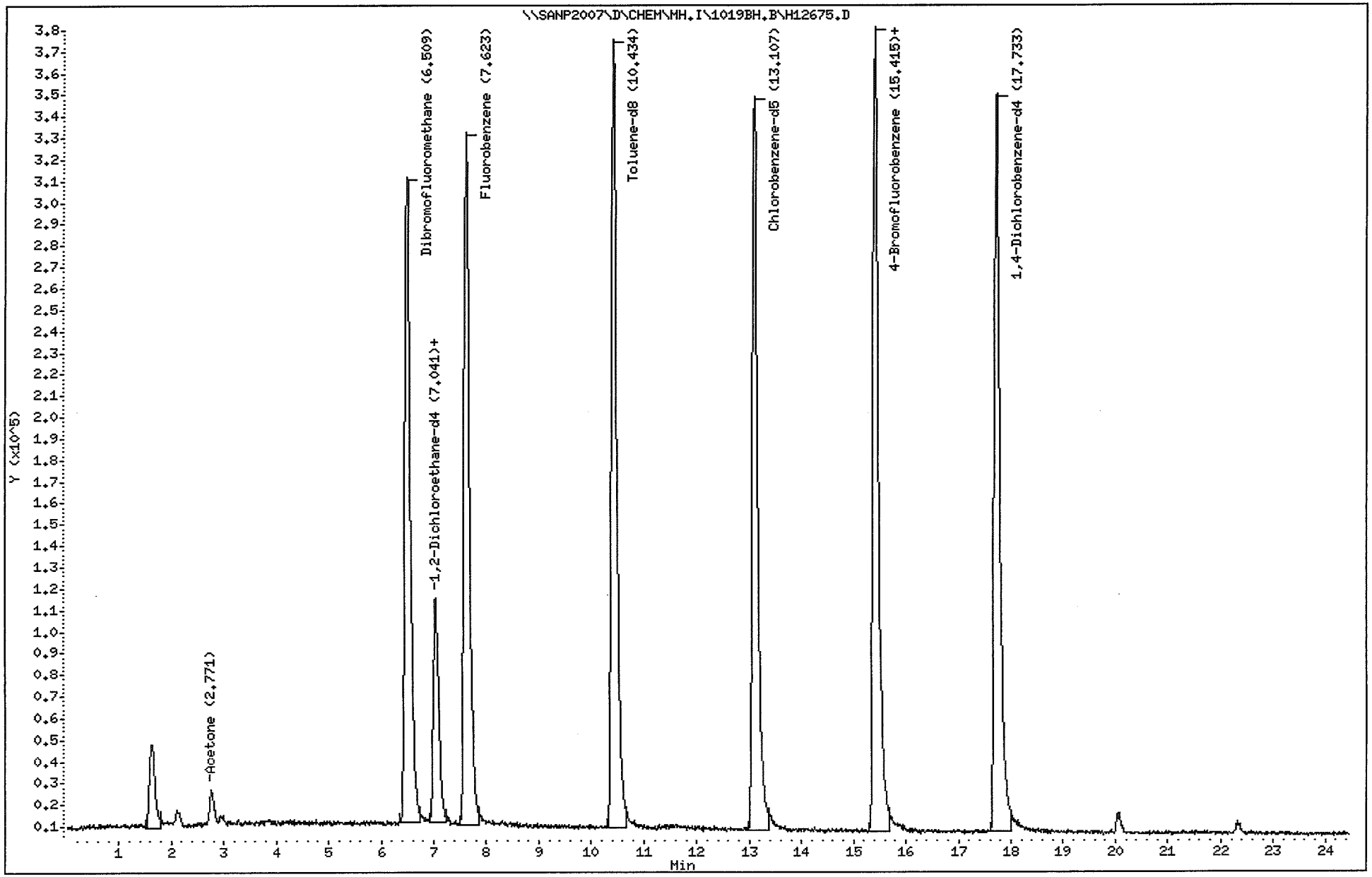
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1190778	595389	2381556	1045367	-12.21
56 Chlorobenzene-d5	832485	416243	1664970	737159	-11.45
79 1,4-Dichlorobenze	482269	241135	964538	410388	-14.90

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	7.62	7.12	8.12	7.62	0.08
56 Chlorobenzene-d5	13.11	12.61	13.61	13.11	-0.03
79 1,4-Dichlorobenze	17.73	17.23	18.23	17.73	0.04

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\SANP2007\D\CHEM\MH.I\1019BH.B\H12675.D
Date : 19-OCT-2000 21:43
Client ID: H12675
Sample Info: DNCJ01AA,,1,,0,1,0,8260BHL.M,H12675
Purge Volume: 25.0
Column phase: J&W DB-624

Instrument: mh.i
Operator: AD
Column diameter: 0.53



BOE-C6-0173913

Data File: \\SANP2007\D\CHEM\MH.I\1019BH.B\H12675.D

Date : 19-OCT-2000 21:43

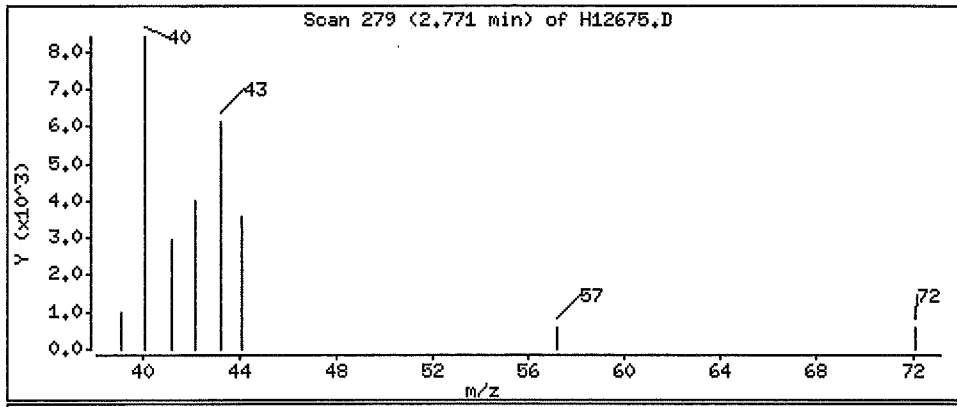
Client ID: H12675 Instrument: mh.i

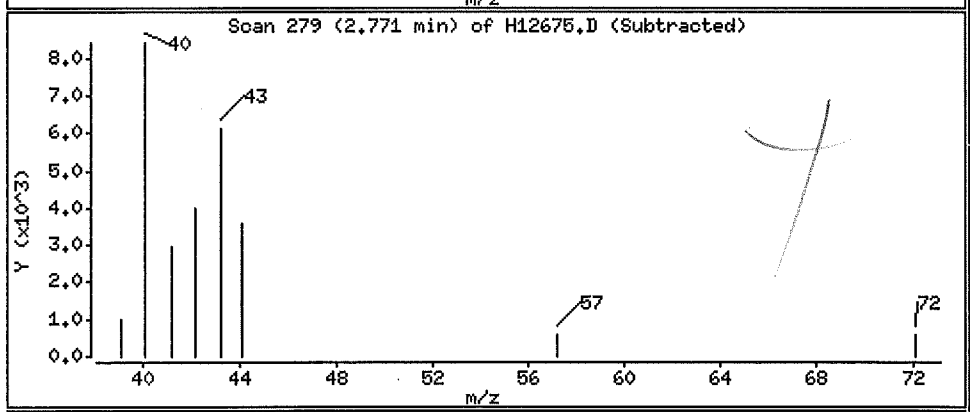
Sample Info: DNCJ01AA,,1,,0,1,0,8260BHL.M,H12675

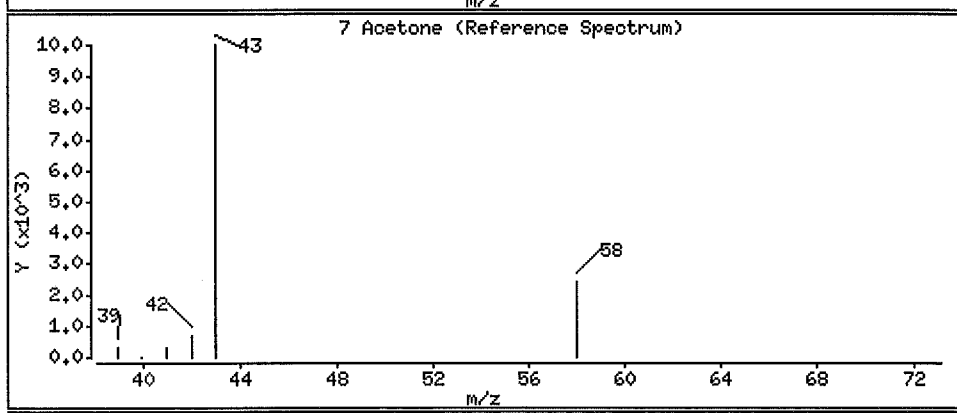
Purge Volume: 25.0 Operator: AD

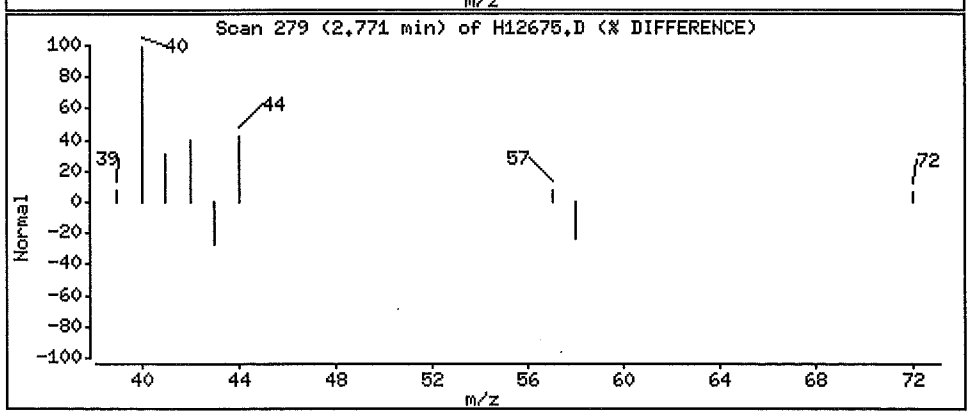
Column phase: J&W DB-624 Column diameter: 0.53

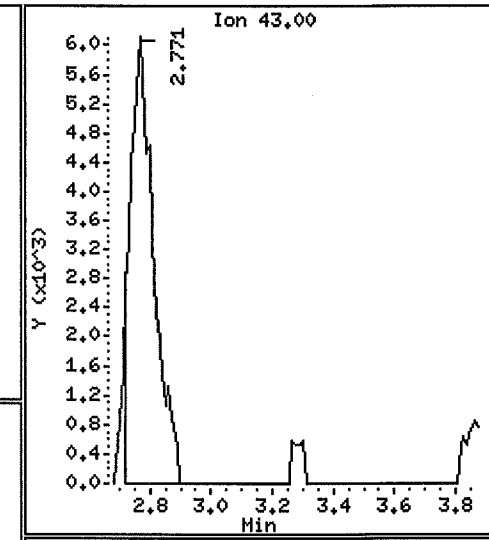
7 Acetone Concentration: 16.90 ug/L

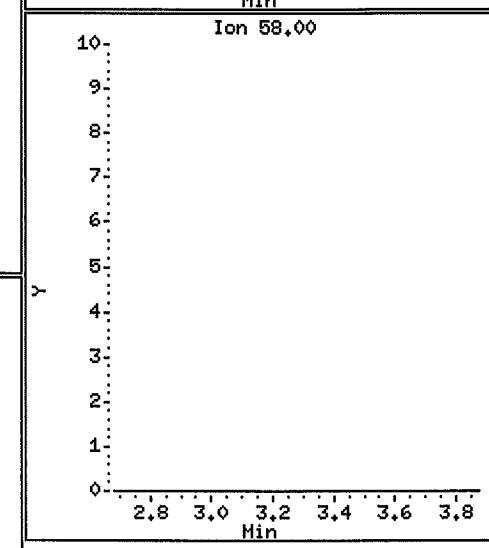












Data File: \\SANP2007\D\CHEM\MH.I\1019BH.B\H12675.D

Date : 19-OCT-2000 21:43

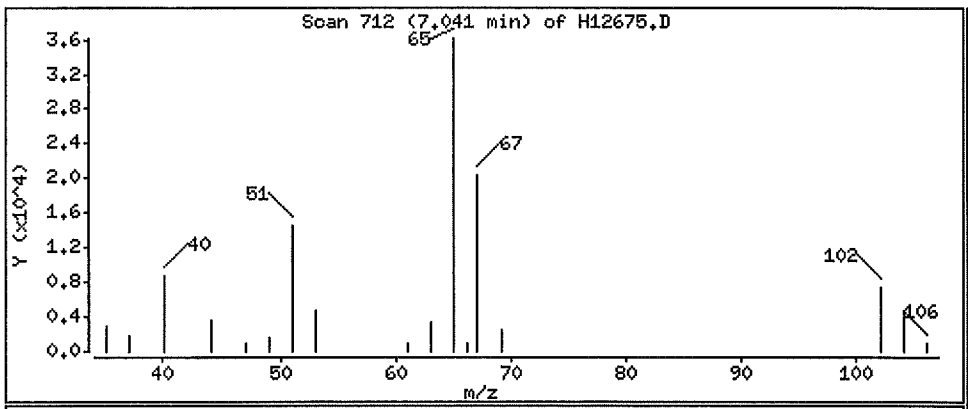
Client ID: H12675 Instrument: mh.i

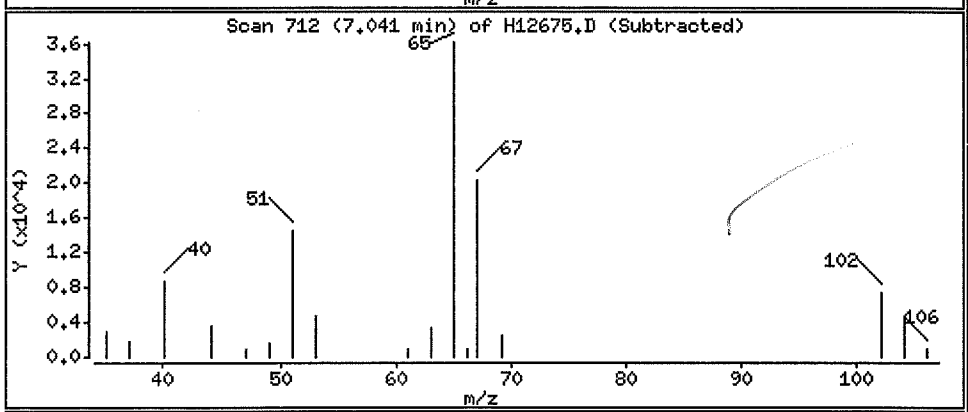
Sample Info: DNCJ01AA,,1,,0,1,0,8260BHL.M,H12675

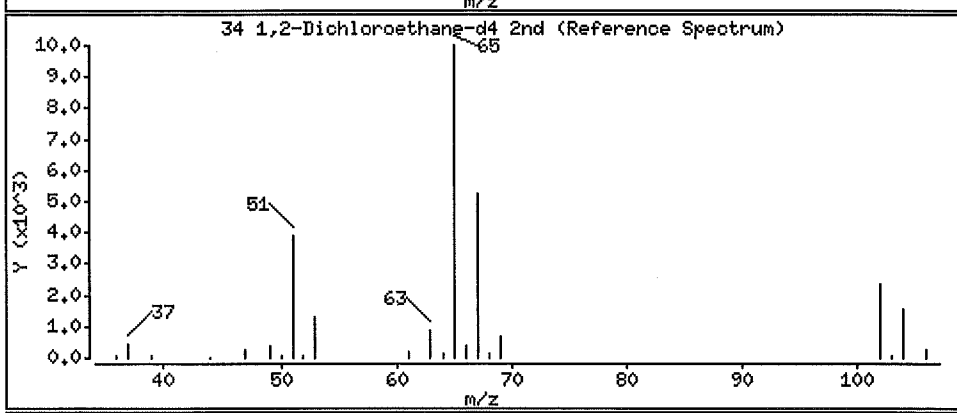
Purge Volume: 25.0 Operator: AD

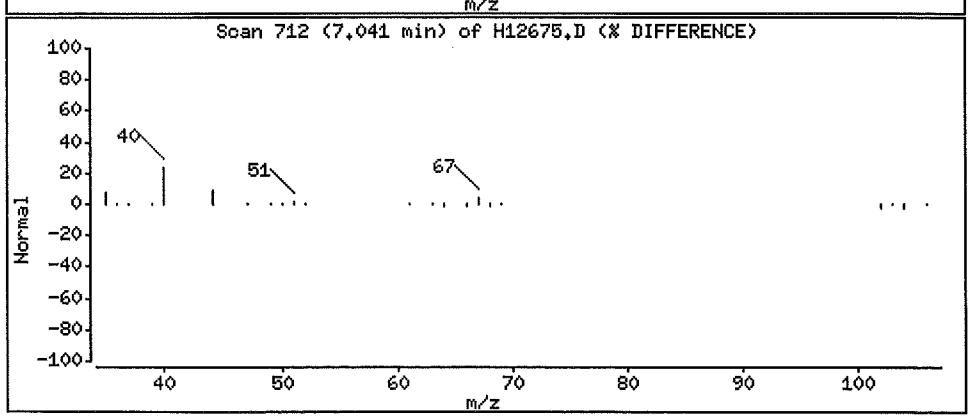
Column phase: J&W DB-624 Column diameter: 0.53

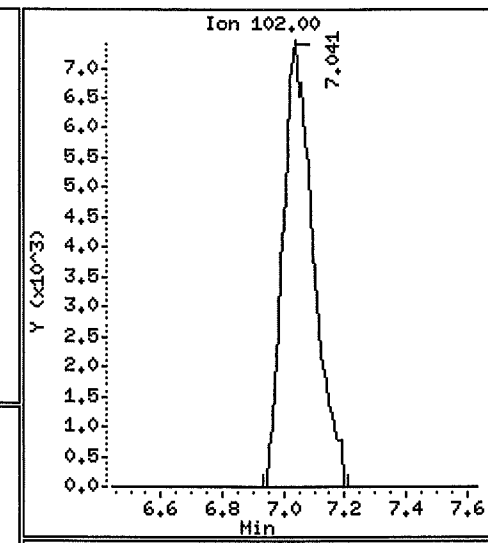
34 1,2-Dichloroethane-d4 2nd Concentration: 12.24 ug/L

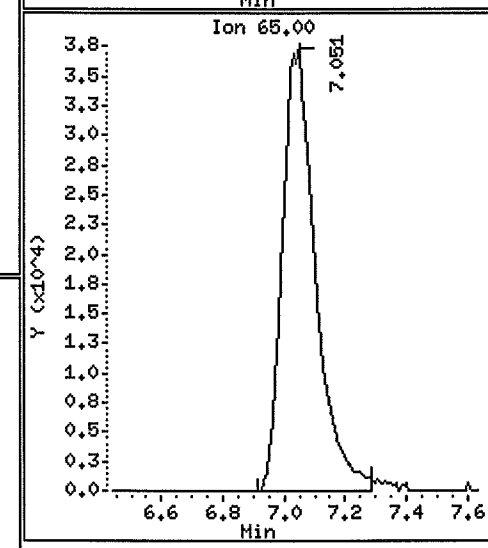












Data File: \\SANP2007\D\CHEM\MH.I\1019BH.B\H12675.D

Date : 19-OCT-2000 21:43

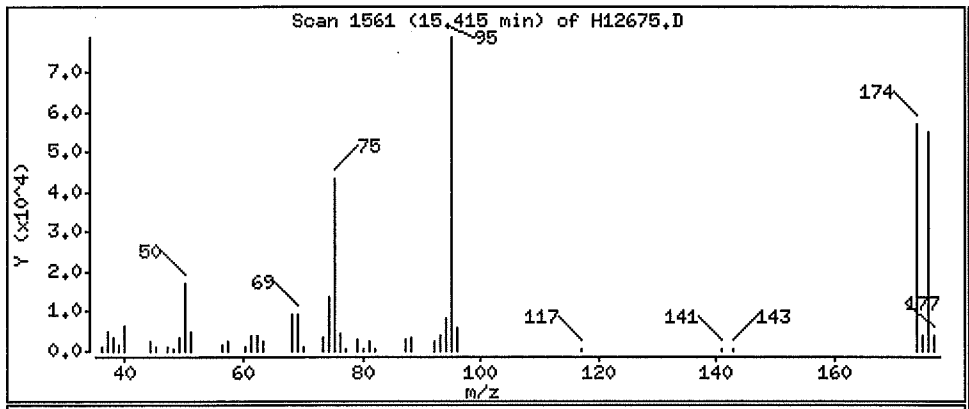
Client ID: H12675 Instrument: mh.i

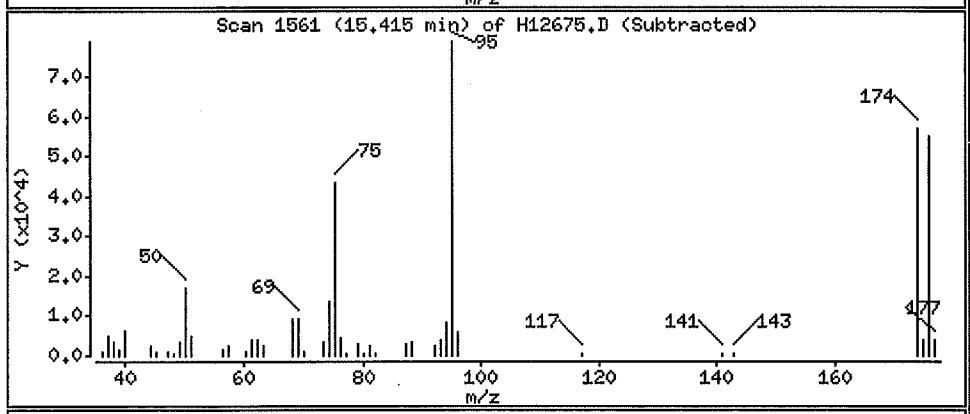
Sample Info: DNCJ01AA,,1,,0,1,0,8260BHL.M,H12675

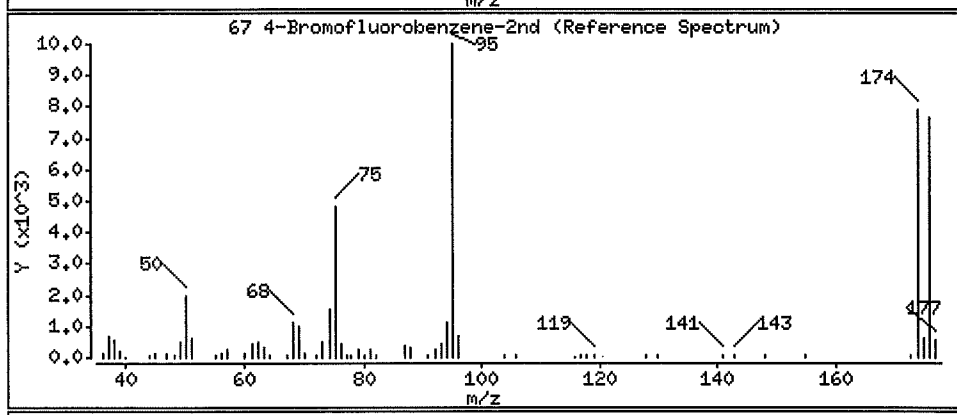
Purge Volume: 25.0 Operator: AD

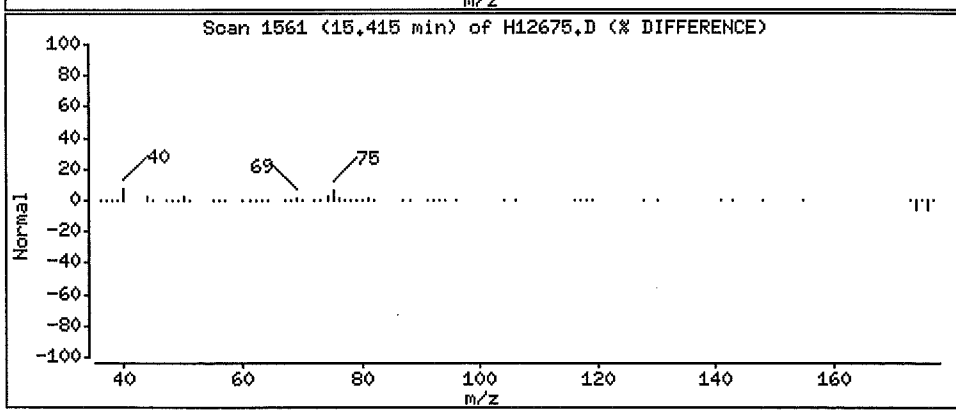
Column phase: J&W DB-624 Column diameter: 0.53

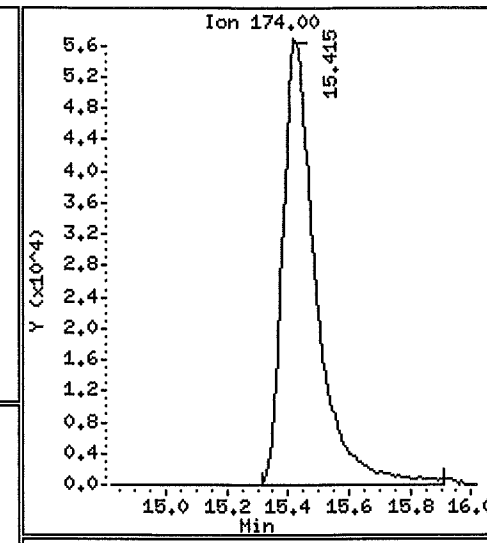
67 4-Bromofluorobenzene-2nd Concentration: 10.30 ug/L

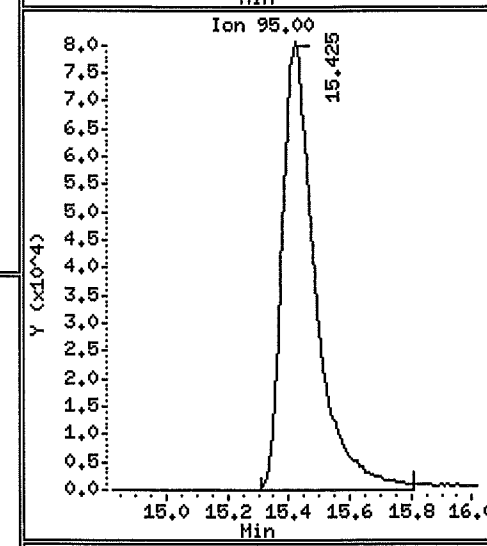


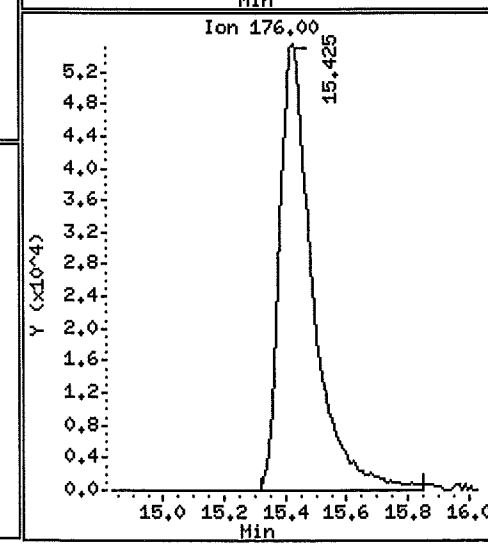












STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2007\D\CHEM\MH.I\1019BH.B\H12676.D
Lab Smp Id: DNCJ21AA Client Smp ID: H12676
Inj Date : 19-OCT-2000 22:13
Operator : AD Inst ID: mh.i
Smp Info : DNCJ21AA,,1,,0,1,0,8260BHL.M,H12676
Misc Info : ,25,,,0,1-8260B.SUB
Comment :
Method : \\SANP2007\D\CHEM\MH.I\1019BH.B\8260BHL.m
Meth Date : 19-Oct-2000 19:31 DONGA Quant Type: ISTD
Cal Date : 13-OCT-2000 15:24 Cal File: HS2193.D
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2007

Concentration Formula: Amt * DF * Uf * Vod/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Fctor
Vod	25.000	Default Sample Volume
Vo	25.000	Sample Volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
7 Acetone	43	3.478	3.277	(0.456)	4898	2.64389	2.64(a)
15 t-Butanol	59	3.981	4.017	(0.522)	5232	8.88743	8.89(a)
$ 29 Dibromofluoromethane	111	6.516	6.503	(0.855)	675714	10.6266	10.63
$ 33 1,2-Dichloroethane-d4	65	7.039	7.035	(0.924)	267103	9.44507	9.44
34 1,2-Dichloroethane-d4 2nd	102	7.039	7.035	(0.924)	46526	11.4081	11.41
* 38 Fluorobenzene	96	7.621	7.617	(1.000)	1005905	10.0000	
$ 47 Toluene-d8	98	10.442	10.438	(0.797)	838053	10.8457	10.84
* 56 Chlorobenzene-d5	117	13.105	13.111	(1.000)	701648	10.0000	
$ 66 4-Bromofluorobenzene	95	15.412	15.419	(1.176)	558691	9.99281	9.99
67 4-Bromofluorobenzene-2nd	174	15.422	15.419	(1.177)	397809	9.94798	9.95
* 79 1,4-Dichlorobenzene-d4	152	17.720	17.727	(1.000)	384842	10.0000	(Q)

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mh.i
Lab File ID: H12676.D
Lab Smp Id: DNCJ21AA
Analysis Type: VOA
Quant Type: ISTD
Operator: AD
Method File: \\SANP2007\D\CHEM\MH.I\1019BH.B\8260BHL.m
Misc Info: ,25,,,0,1-8260B.SUB

Calibration Date: 19-OCT-2000
Calibration Time: 18:29
Client Smp ID: H12676
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1190778	595389	2381556	1005905	-15.53
56 Chlorobenzene-d5	832485	416243	1664970	701648	-15.72
79 1,4-Dichlorobenze	482269	241135	964538	384842	-20.20

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	7.62	7.12	8.12	7.62	0.05
56 Chlorobenzene-d5	13.11	12.61	13.61	13.10	-0.05
79 1,4-Dichlorobenze	17.73	17.23	18.23	17.72	-0.03

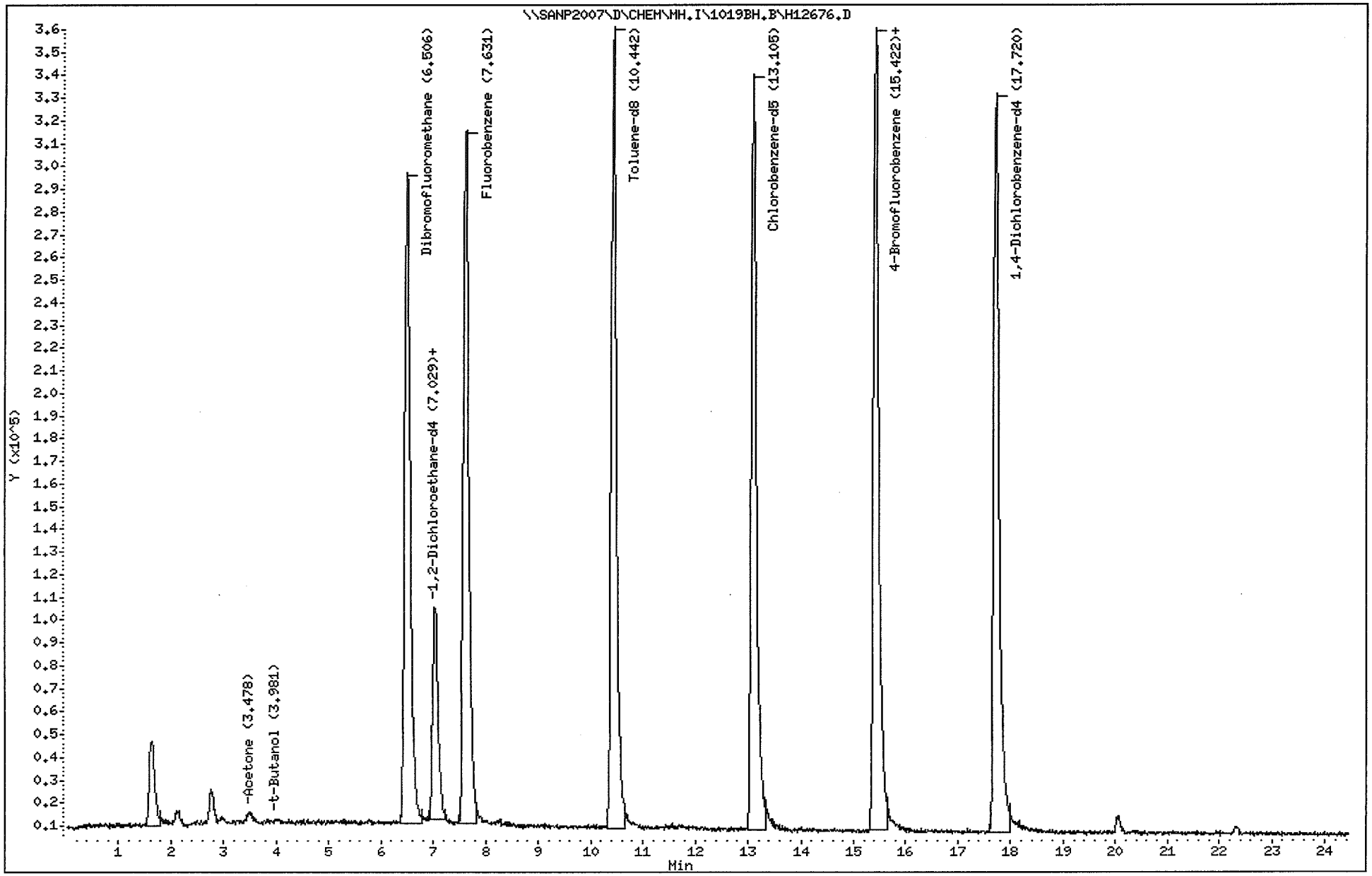
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: \\SANP2007\D\CHEM\MH.I\1019BH.B\H12676.D
Date : 19-OCT-2000 22:13
Client ID: H12676
Sample Info: DNCJ21AA,,1,,0,1,0,8260BHL.M,H12676
Purge Volume: 25.0
Column phase: J&W DB-624

Instrument: mh.i
Operator: AD
Column diameter: 0.53



000427

BOE-C6-0173920

Data File: \\SANP2007\D\CHEM\MH.I\1019BH.B\H12676.D

Date : 19-OCT-2000 22:13

Client ID: H12676

Instrument: mh.i

Sample Info: DNCJ21AA,,1,,0,1,0,8260BHL.M,H12676

Purge Volume: 25.0

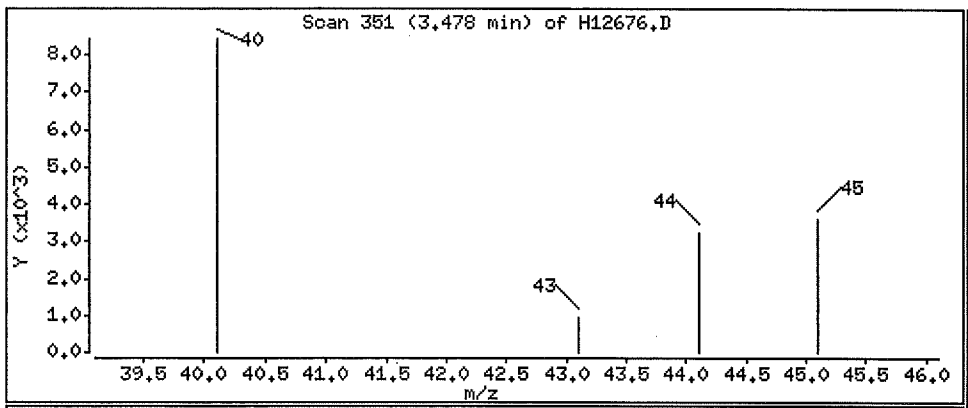
Operator: AD

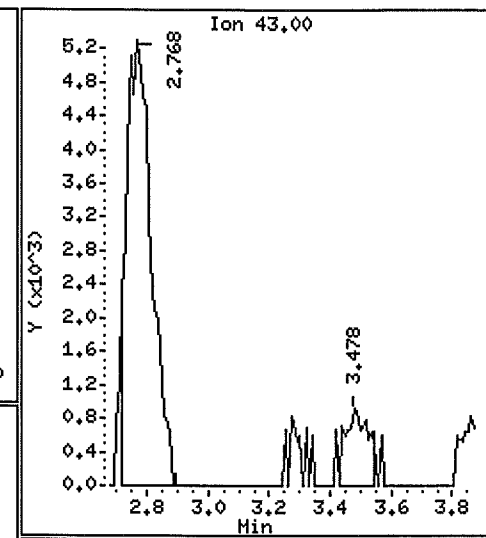
Column phase: J&W DB-624

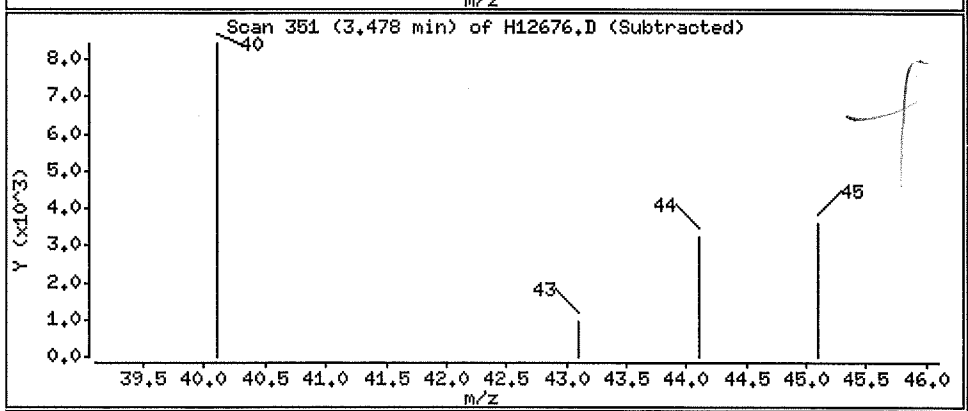
Column diameter: 0.53

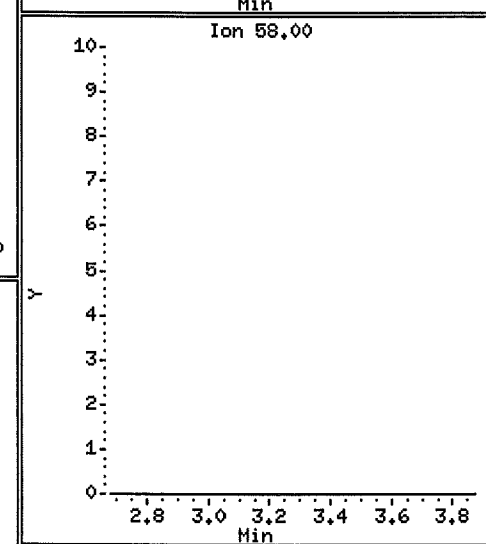
7 Acetone

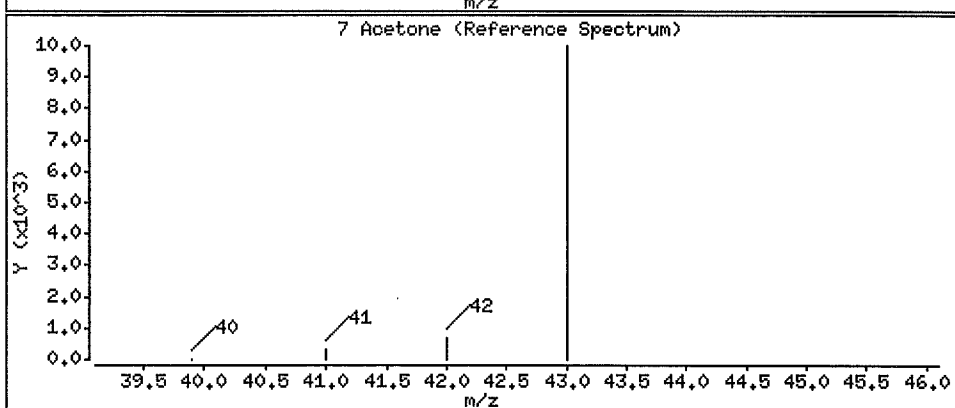
Concentration: 2.64 ug/L

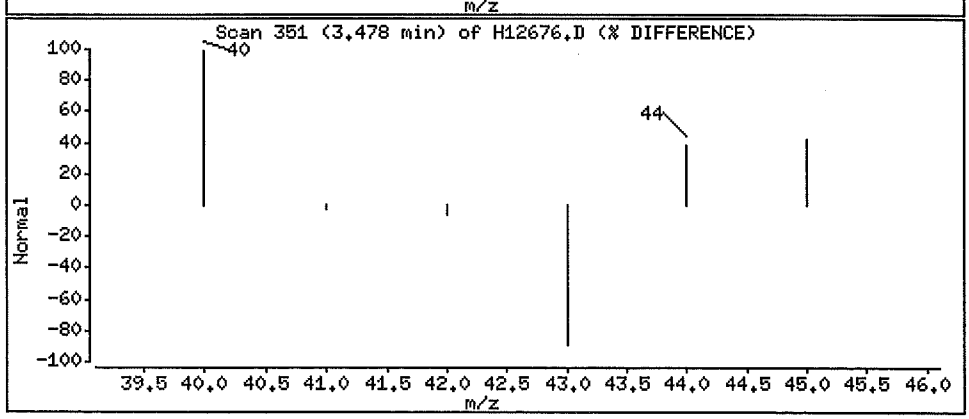












Data File: \\SANP2007\D\CHEM\MH.I\1019BH.B\H12676.D

Date : 19-OCT-2000 22:13

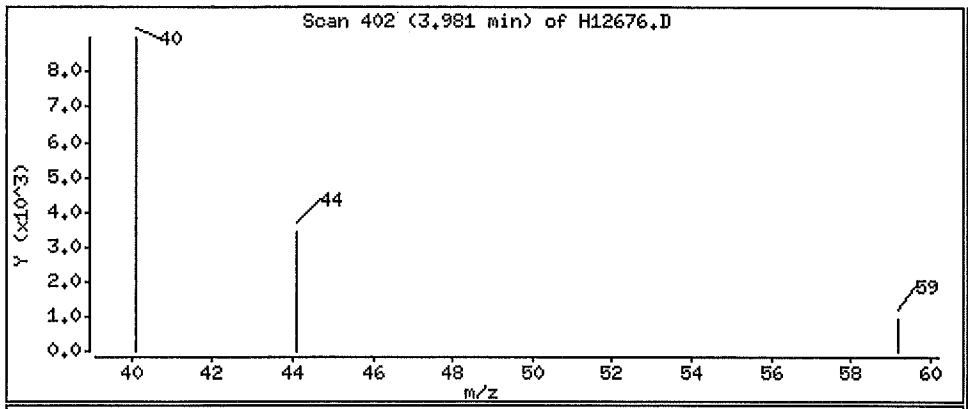
Client ID: H12676 Instrument: mh.i

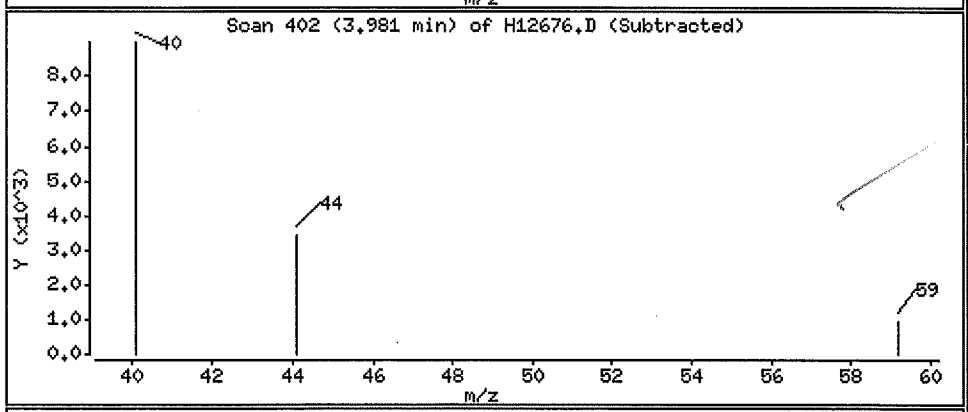
Sample Info: DNCJ21AA,,1,,0,1,0,8260BHL.M,H12676

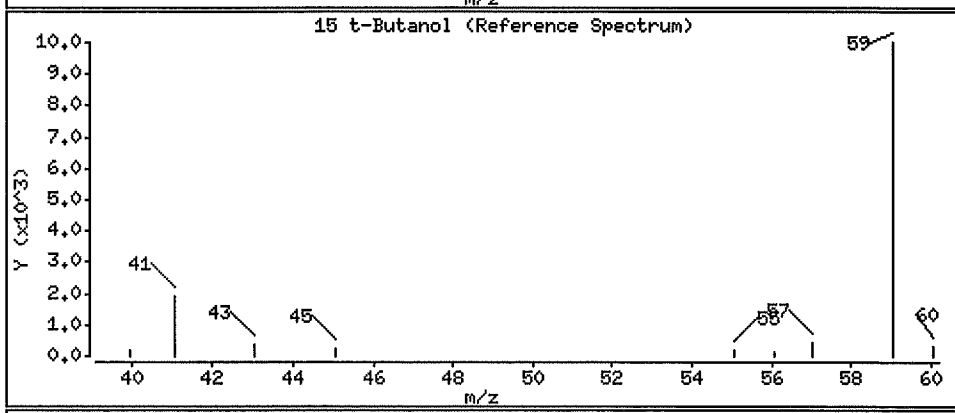
Purge Volume: 25.0 Operator: AD

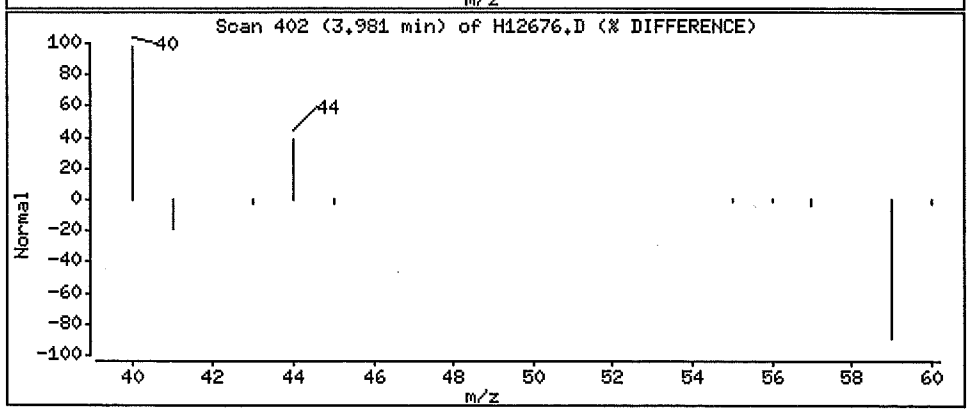
Column phase: J&W DB-624 Column diameter: 0.53

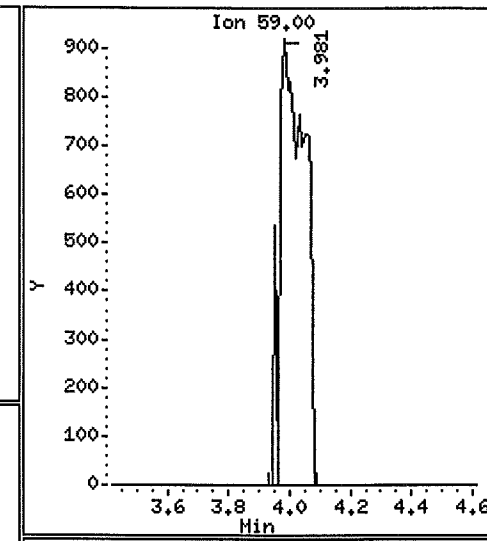
15 t-Butanol Concentration: 8.89 ug/L

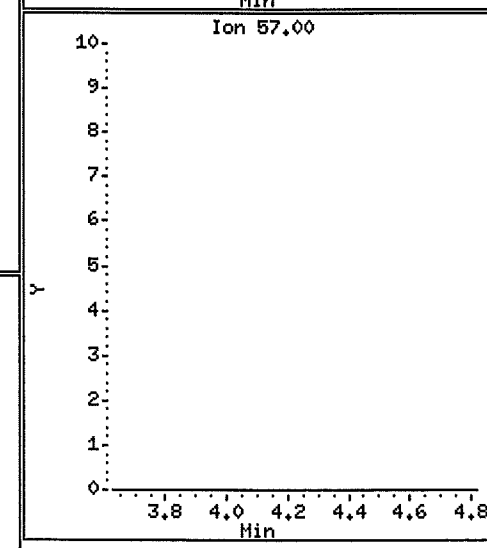












Data File: \\SANP2007\D\CHEM\MH.I\1019BH.B\H12676.D

Date : 19-OCT-2000 22:13

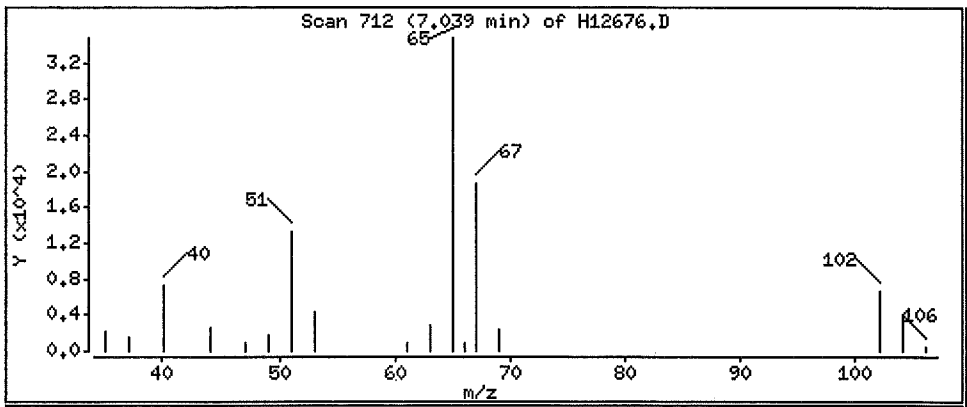
Client ID: H12676 Instrument: mh.i

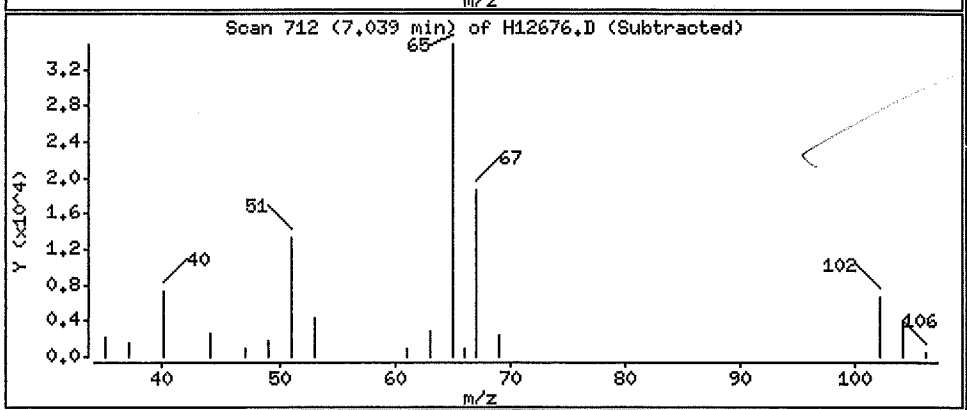
Sample Info: DNCJ21AA,,1,,0,1,0,8260BHL.M,H12676

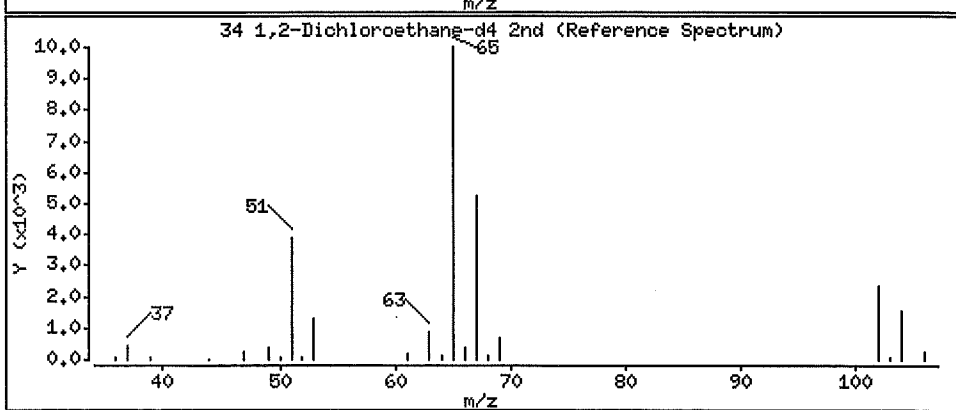
Purge Volume: 25.0 Operator: AD

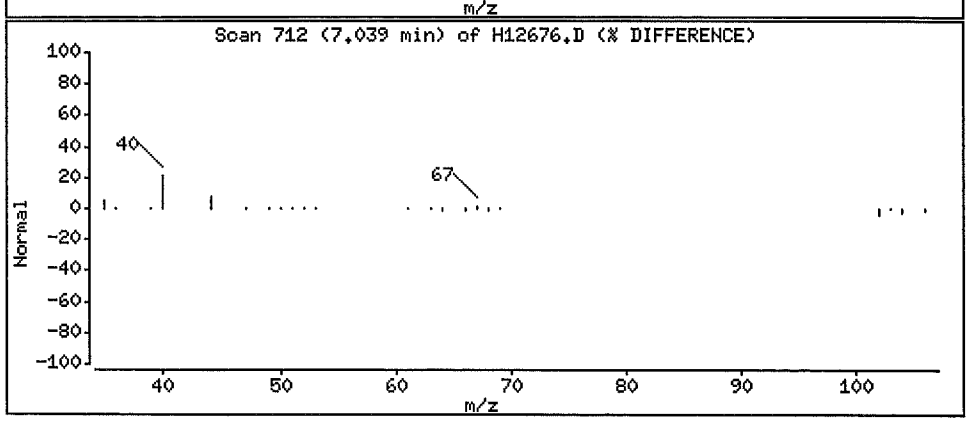
Column phase: J&W DB-624 Column diameter: 0.53

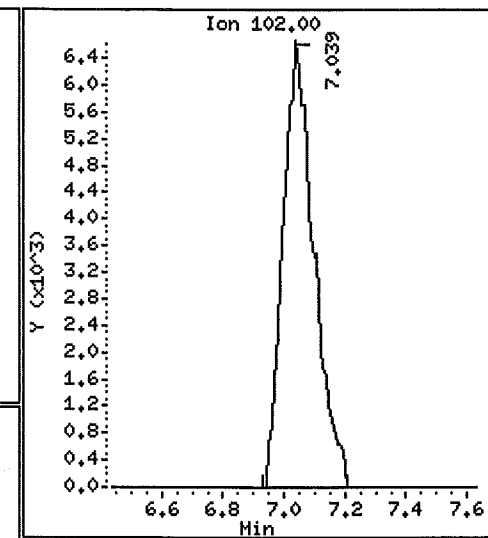
34 1,2-Dichloroethane-d4 2nd Concentration: 11.41 ug/L

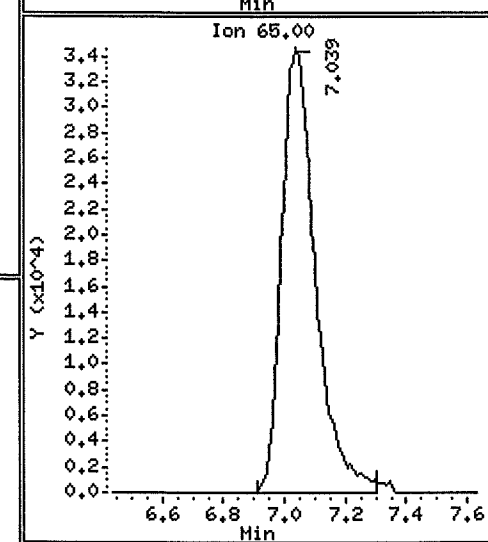












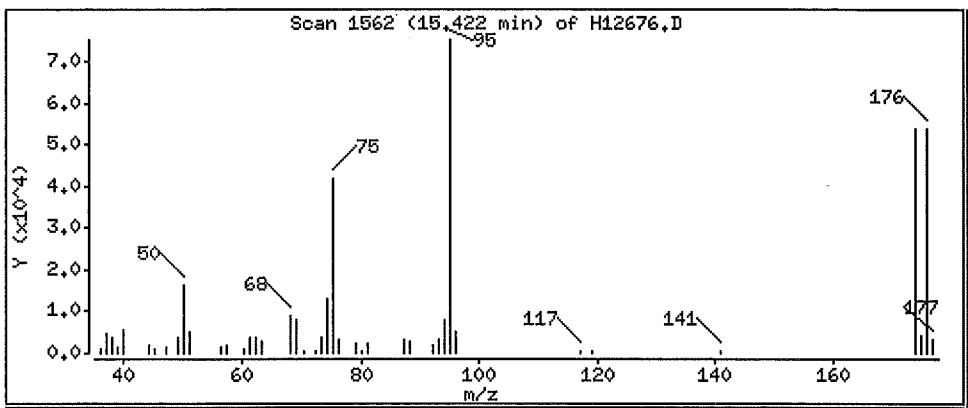
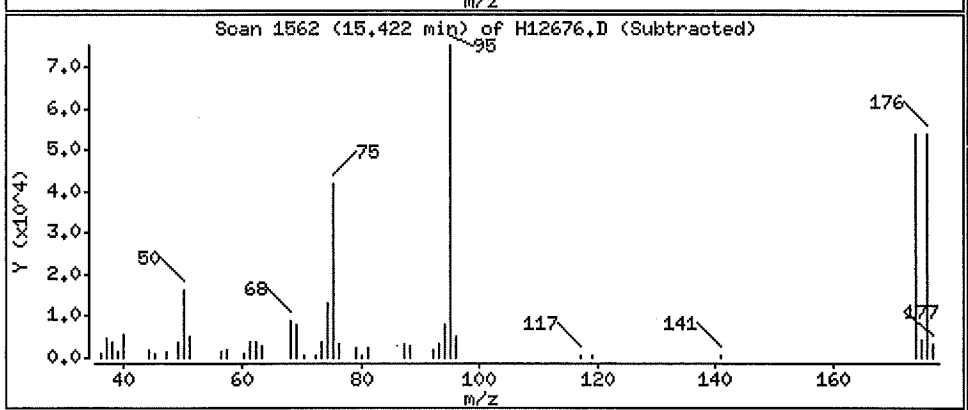
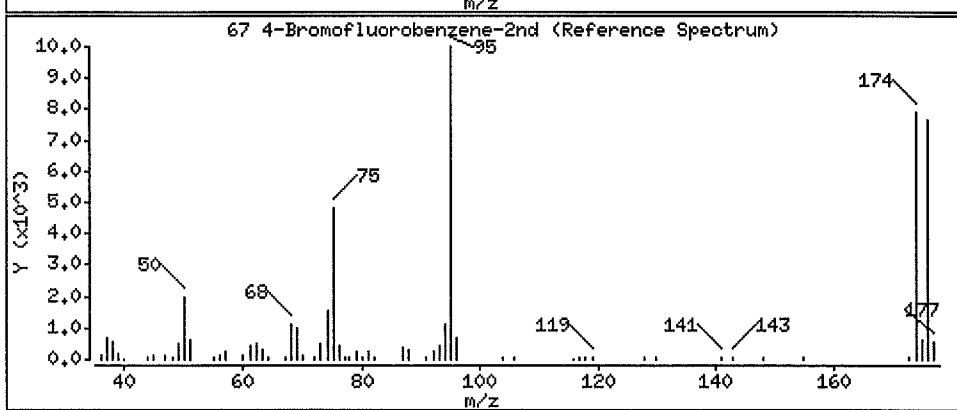
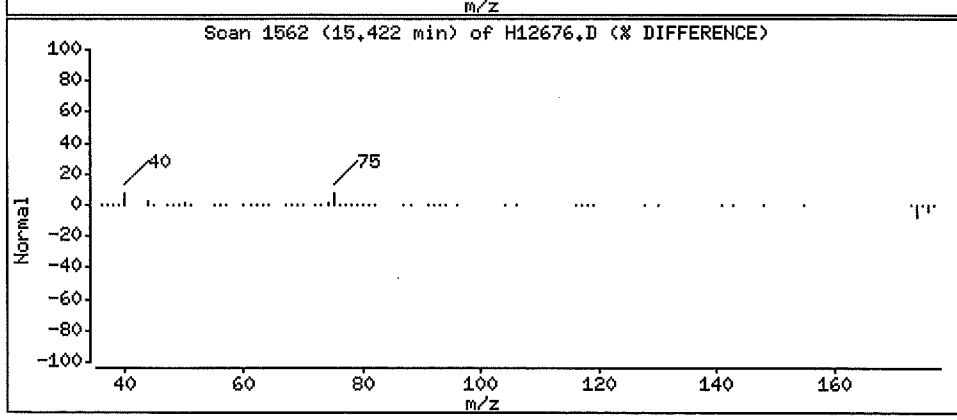
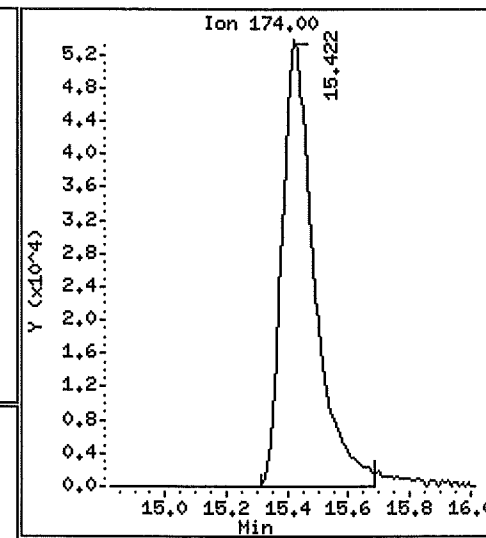
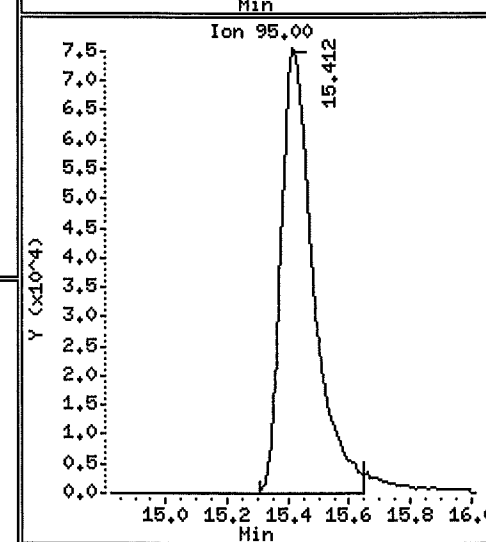
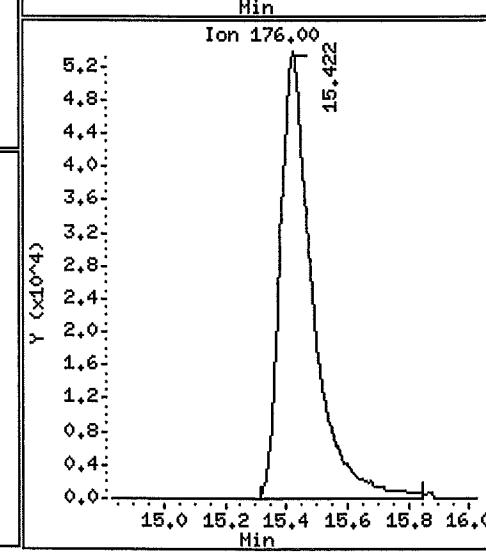
Data File: \\SANP2007\D\CHEM\MH.I\1019BH.B\H12676.D

Date : 19-OCT-2000 22:13

Client ID: H12676 Instrument: mh.i

Sample Info: DNCJ21AA,,1,,0,1,0,8260BHL.M,H12676

Purge Volume: 25.0 Operator: AD

Column phase: J&W DB-624 Column diameter: 0.53

67 4-Bromofluorobenzene-2nd Concentration: 9.95 ug/L