8260B SAMPLE / QC DATA

DATE ANALYZED: 10-10-2000

INSTRUMENT ID: MH

SAMPLES: EWJ 060329

STL Los Angeles

FJ 10/20/00

Batch ID: 028555U

GC/MS VOA Run Log

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

Inst ID: MSH	EM Set: 1800	Tune File: BFB.U	Seq File: 10/10/BH
Init. Cal ID: 8260BHL 10-4-2000			Date: 10/10/2000PM

Inj. Time	Analyst	File ID	Work Order #	AS #	Matrix	Sample Wt/Vol	Dil.	I.S.	Run	Rerun	pH	Comments
19:59	AD	HT 1141	50 ng BFB			1µ			✓			MSVOA1198-1
20:09		HS 2180	10ppb 8260B	1	L	25mL	1.0	110	✓			I1250-1; S1250-2; STD1251-2
20:49		HT 2430	LCS 1010BH	2				108	✓			DC 1251-1
21:19		31	MB1010BH	3				97	—			
21:58		32	DLQ1W101	3				107	—		2	EOJ060360.16
22:28		33	DLPK0101	4				77	—			EOJ060329_29
22:58		34	DLPY5101	5				108				EOJ060355_20
23:28		35	DLPYP101	3				98	—			25
23:58		36	DLPCP101	4				98	—			EOJ060317_1
0:28		37	DLPCW101	5				102	—			_2
0:58		38	DLMB6101	6		2 MLS	1250	106	—			EOJ050315_8
1:28		39	DLPD0101	7		500µ	50.0	99	—			EOJ060317_3
1:58		40	DLPD4101	8		10ML	2.5	103	N			TCE=101 _4
2:28		41	DLPDV106	9		20µL	1250	102	—			EOJ060321_2
2:59		42	DLPR5101	10		500µ	50.0	97	—			EOJ060347_1
3:29		43	DLPR7101	11		5mL	5.0	102	—			_2
3:59		44	DLPR8101	12		25mL	1.0	60	N			Benzene=764 _3
4:29		45	DLPR9101	13				125	—			_4
4:59		46	DLPRA101	14				120	N			PCE=300 _5
5:29		47	DLPRC101	15				115	—			_6
5:59		48	DLPYB102	16		25mL	1.0	129	—			EOJ060355_25MS
6:30		49	DLPYP103	1				128	—			0285270 ↓MS17
7:00		HT 2450	DLPDV107	2		100µ	250	119	N			PCE=415 EOJ060321_25A

BOE-C6-0170091

8A
VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: SDGA46847

Lab File ID (Standard): HS2180 Date Analyzed: 10/10/00

Instrument ID: MH Time Analyzed: 2009

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	1101356	7.59	771394	13.07	482116	17.70
	UPPER LIMIT	2202712	8.09	1542788	13.57	964232	18.20
	LOWER LIMIT	550678	7.09	385697	12.57	241058	17.20
	EPA SAMPLE NO.						
01	H12430	1057617	7.59	732435	13.06	466834	17.71
02	H12431	978729	7.59	664656	13.08	390046	17.70
03	H12432	1077325	7.60	755732	13.08	442322	17.72
04	H12433	771269	7.59	568888	13.07	320547	17.70
05	H12434	1081200	7.59	722571	13.08	425258	17.71
06	H12435	985818	7.60	695826	13.08	424475	17.72
07	H12436	984758	7.59	720873	13.07	402942	17.70
08	H12437	1022678	7.59	736299	13.08	445691	17.71
09	H12438	1066043	7.60	768094	13.07	451359	17.71
10	H12439	996714	7.59	731993	13.06	412147	17.70
11	H12440	1037672	7.61	713536	13.08	427048	17.71
12	H12441	1028474	7.59	700644	13.07	401087	17.71
13	H12442	971319	7.59	649492	13.08	392763	17.70
14	H12443	1024984	7.59	692673	13.08	414586	17.71
15	H12444	607708	7.62	673682	13.10	536893	17.73
16	H12445	1257263	7.60	877861	13.08	523768	17.71
17	H12446	1201218	7.60	837870	13.08	486889	17.71
18	H12447	1158237	7.59	791813	13.08	474046	17.71
19	H12448	1299421	7.59	847749	13.07	529054	17.70
20	H12449	1289950	7.59	842944	13.07	532868	17.71
21	H12450	1193497	7.59	818354	13.07	486315	17.71
22							

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\1010BH.B\HT1141.D
Lab Smp Id:
Inj Date : 10-OCT-2000 19:59
Operator : AD 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\1010BH.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		
1.9776	1.8000	(0.000)	95	34725			0.00- 100.00	100.00
1.9776	1.8000	(0.000)	50	7139			15.00- 40.00	20.56
1.9776	1.8000	(0.000)	75	17564			30.00- 60.00	50.58
1.9776	1.8000	(0.000)	96	2607			5.00- 9.00	7.51
1.9776	1.8000	(0.000)	173	0			0.00- 2.00	0.00
1.9776	1.8000	(0.000)	174	27890			50.00- 0.00	80.32
1.9776	1.8000	(0.000)	175	2012			5.00- 9.00	7.21
1.9776	1.8000	(0.000)	176	28032			95.00- 101.00	100.51
1.9776	1.8000	(0.000)	177	1843			5.00- 9.00	6.57

M
10/10/2000

Data File: \\SANP2007\D\CHEM\MH.I\1010BH.B\HT1141.D

Date : 10-OCT-2000 19:59

Client ID:

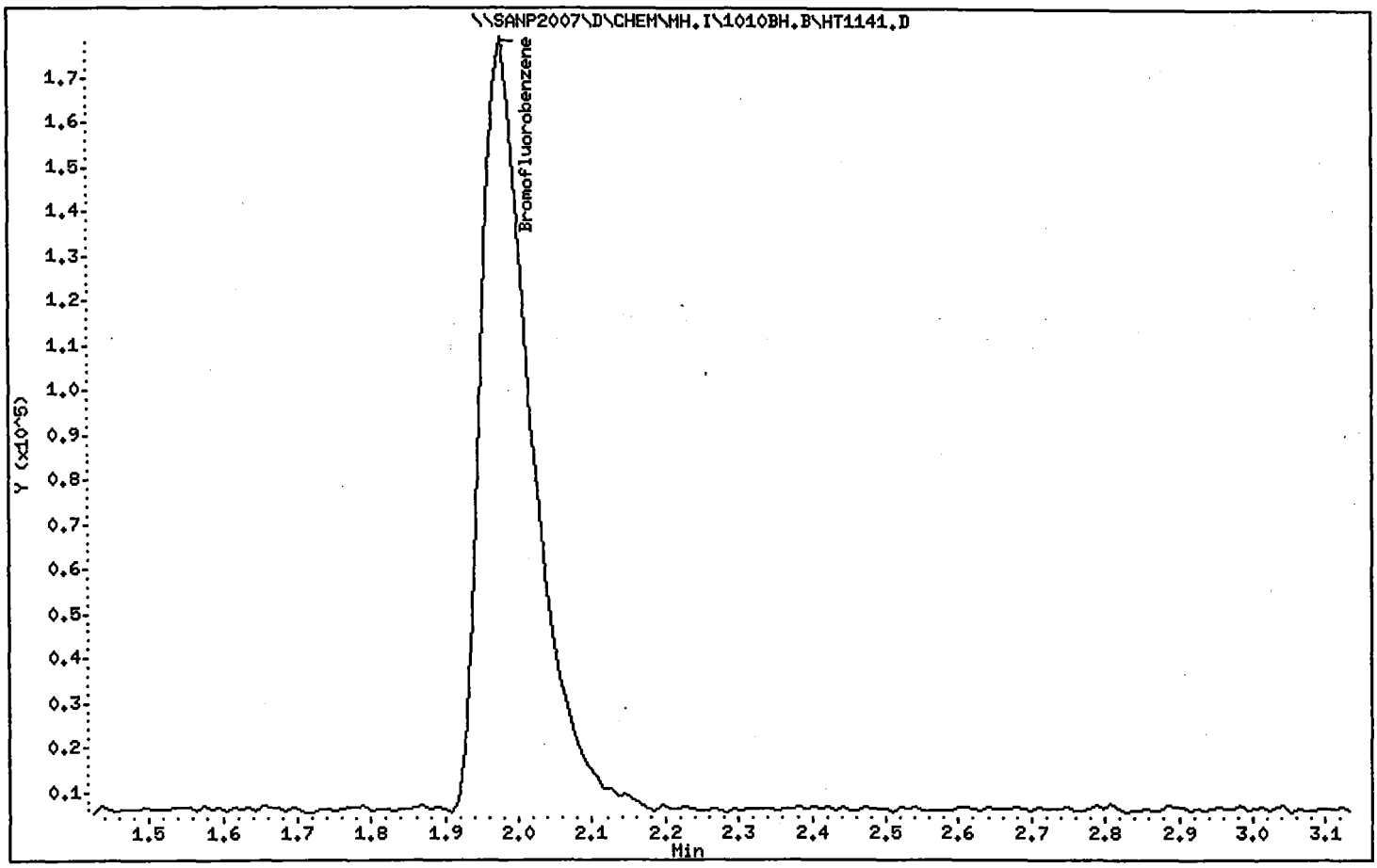
Instrument: mh.i

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\1010BH.B\HT1141.D

Date : 10-OCT-2000 19:59

Client ID:

Instrument: mh.i

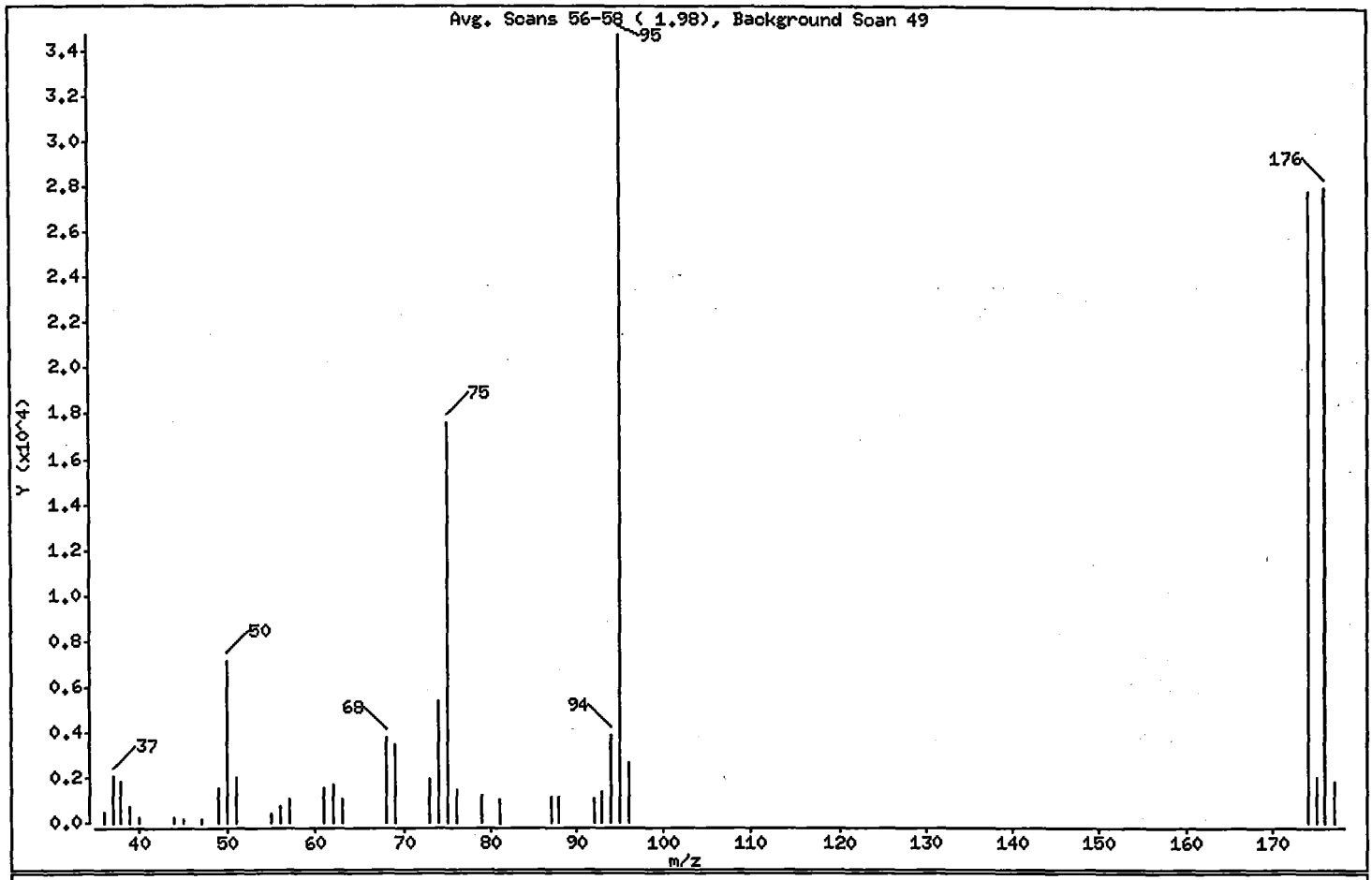
Sample Info: 50NG BFB,BFB,,,,,,BFB.M

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	20.56
75	30.00 - 60.00% of mass 95	50.58
96	5.00 - 9.00% of mass 95	7.51
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	80.32
175	5.00 - 9.00% of mass 174	5.79 (7.21)
176	95.00 - 101.00% of mass 174	80.73 (100.51)
177	5.00 - 9.00% of mass 176	5.31 (6.57)

Data File: \\SANP2007\D\CHEM\MH.I\1010BH.B\HT1141.D

Date : 10-OCT-2000 19:59

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: HT1141.D
Spectrum: Avg. Scans 56-58 (1.98), Background Scan 49
Location of Maximum: 95.00
Number of points: 36

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	489	51.00	1956	74.00	5372	95.00	34720
37.00	2036	55.00	367	75.00	17560	96.00	2607
38.00	1815	56.00	695	76.00	1456	174.00	27888
39.00	720	57.00	1049	79.00	1231	175.00	2012
40.00	252	61.00	1529	81.00	1056	176.00	28032
44.00	224	62.00	1686	87.00	1079	177.00	1843
45.00	174	63.00	1054	88.00	1081		
47.00	187	68.00	3742	92.00	1076		
49.00	1479	69.00	3444	93.00	1335		
50.00	7139	73.00	1931	94.00	3810		

STL Los Angeles

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mh.i
Lab File ID: HS2180.D
Analysis Type: WATER
Lab Sample ID: 10 PPB 8260B STD Quant Type: ISTD
Method: \\SANP2007\D\CHEM\MH.I\1010BH.B\8260BHL.m

Injection Date: 10-OCT-2000 20:09
Init. Cal. Date(s): 02-OCT-2000 04-OCT-2000
Init. Cal. Times: 17:42 23:47

M 10/10/00

	COMPOUND	RRF	RF10	MIN RRF	%D	MAX %D	
	1 Dichlorodifluoromethane	0.34917	0.44414	0.010	27.2	50.0	
	2 Chloromethane (**)	0.13631	0.17705	0.100	29.9	50.0	
	3 Vinyl chloride (*)	0.18704	0.19155	0.010	2.4	20.0	
	4 Bromomethane	0.22152	0.25802	0.010	16.5	50.0	
	5 Chloroethane	0.12049	0.11860	0.010	-1.6	50.0	
	6 Trichlorofluoromethane	0.60802	0.85624	0.010	40.8	50.0	
	10 Acrolein	0.00593	0.00513	0.010	-13.5	20.0	<-
	8 1,1-Dichloroethene(*)	0.27144	0.27467	0.010	1.2	20.0	
	9 1,1,2-Trichlorotrifluoroeth	0.33326	0.49215	0.010	47.7	50.0	
	11 Iodomethane	0.50402	0.69737	0.010	38.4	20.0	<-
	7 Acetone	0.01545	0.01517	0.010	-1.8	50.0	
	12 Carbon disulfide	0.90237	0.84874	0.010	-5.9	50.0	
	13 Methylene chloride	0.25163	0.24187	0.010	-3.9	50.0	
	14 Acrylonitrile	0.01175	0.01193	0.010	1.5	20.0	
	15 t-Butanol	0.00519	0.00472	0.010	-9.1	20.0	<-
	19 Vinyl acetate	0.33345	0.35445	0.010	6.3	20.0	
	16 trans-1,2-Dichloroethene	0.31037	0.32456	0.010	4.6	20.0	
	17 Methyl-tert-butyl ether[MTB	0.35630	0.34781	0.010	-2.4	50.0	
	18 1,1-Dichloroethane (**)	0.51260	0.51301	0.100	0.1	20.0	
	20 Isopropyl ether	0.65749	0.71545	0.010	8.8	20.0	
	21 Tert-butyl ethyl ether	0.60341	0.55467	0.010	-8.1	20.0	
M	25 1,2-Dichloroethene (total)	0.31017	0.32780	0.010	5.7	20.0	
	22 2,2-Dichloropropane	0.50086	0.59095	0.010	18.0	50.0	
	23 cis-1,2-Dichloroethene	0.30998	0.33104	0.010	6.8	20.0	
	24 2-Butanone	0.02282	0.02539	0.010	11.3	50.0	
	27 Bromochloromethane	0.14678	0.19047	0.010	29.8	50.0	
	28 Chloroform (*)	0.67772	0.78238	0.010	15.4	20.0	
	26 Tetrahydrofuran	0.01663	0.01746	0.010	5.0	20.0	
$	29 Dibromofluoromethane	0.51308	0.66587	0.010	29.8	50.0	
	30 1,1,1-Trichloroethane	0.57850	0.77814	0.010	34.5	20.0	<-
	31 Carbon Tetrachloride	0.49974	0.79492	0.010	59.1	20.0	<-
	32 1,1-Dichloropropene	0.47333	0.50172	0.010	6.0	50.0	
$	33 1,2-Dichloroethane-d4	0.22589	0.26025	0.010	15.2	50.0	
	34 1,2-Dichloroethane-d4 2nd	0.04122	0.04728	0.010	14.7	50.0	
	35 Benzene	0.76376	0.75692	0.010	-0.9	20.0	

STL Los Angeles

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mh.i
Lab File ID: HS2180.D
Analysis Type: WATER
Lab Sample ID: 10 PPB 8260B STD Quant Type: ISTD
Method: \\SANP2007\D\CHEM\MH.I\1010BH.B\8260BHL.m

Injection Date: 10-OCT-2000 20:09
Init. Cal. Date(s): 02-OCT-2000 04-OCT-2000
Init. Cal. Times: 17:42 23:47

	COMPOUND	RRF	RF10	MIN RRF	%D	MAX %D	
	36 1,2-Dichloroethane	0.26778	0.31719	0.010	18.5	20.0	
	37 Tert-amyl methyl ether	0.44495	0.42925	0.010	-3.5	20.0	
	39 Trichloroethene	0.36457	0.47968	0.010	31.6	20.0	<-
	40 1,2-Dichloropropane(*)	0.28172	0.28427	0.010	0.9	20.0	
	41 Dibromomethane	0.20169	0.22588	0.010	12.0	50.0	
	42 Bromodichloromethane	0.56443	0.66865	0.010	18.5	20.0	
	44 2-Chloroethylvinyl ether	0.01340	0.01376	0.010	2.7	20.0	
	43 1-Bromo-2-chloroethane	0.36915	0.36375	0.010	-1.5	50.0	
	45 cis-1,3-Dichloropropene	0.36052	0.37651	0.010	4.4	50.0	
	46 4-Methyl-2-pentanone	0.06980	0.08152	0.010	16.8	50.0	
$	47 Toluene-d8	1.10883	1.11564	0.010	0.6	50.0	
	48 Toluene (*)	1.43304	1.38765	0.010	-3.2	20.0	
	49 trans-1,3-Dichloropropene	0.38885	0.38039	0.010	-2.2	50.0	
	50 1,1,2-Trichloroethane	0.26582	0.25912	0.010	-2.5	50.0	
	51 Tetrachloroethene	0.47436	0.67387	0.010	42.1	20.0	<-
	52 1,3-Dichloropropane	0.40564	0.38296	0.010	-5.6	50.0	
	53 2-Hexanone	0.07448	0.07169	0.010	-3.8	50.0	
	54 Dibromochloromethane	0.54033	0.67993	0.010	25.8	50.0	
	55 1,2-Dibromoethane	0.37454	0.39400	0.010	5.2	50.0	
	57 Chlorobenzene (**)	1.00931	1.07709	0.300	6.7	50.0	
	58 1,1,1,2-Tetrachloroethane	0.46971	0.60104	0.010	28.0	50.0	
	59 Ethylbenzene (*)	0.45701	0.48134	0.010	5.3	20.0	
	60 m,p-Xylenes	0.58069	0.61232	0.010	5.4	20.0	
M	61 Xylenes (total)	0.56463	0.59908	0.010	6.1	20.0	
	62 o-Xylene	0.53252	0.57262	0.010	7.5	20.0	
	63 Styrene	0.85770	0.89587	0.010	4.5	50.0	
	64 Bromoform (**)	0.27142	0.37853	0.100	39.5	50.0	
	65 Isopropylbenzene	1.76194	1.95295	0.010	10.8	50.0	
$	66 4-Bromofluorobenzene	0.80840	0.79399	0.010	-1.8	50.0	
	67 4-Bromofluorobenzene-2nd	0.45321	0.63003	0.010	39.0	50.0	
	68 Bromobenzene	0.88235	0.96345	0.010	9.2	50.0	
	69 1,1,2,2-Tetrachloroethane(*	0.65313	0.48904	0.300	-25.1	50.0	
	70 1,2,3-Trichloropropane	0.12992	0.12491	0.010	-3.9	50.0	
	71 n-Propylbenzene	4.15293	3.42901	0.010	-17.4	50.0	
	72 2-Chlorotoluene	0.78677	0.75534	0.010	-4.0	50.0	
	73 4-Chlorotoluene	0.83274	0.81317	0.010	-2.3	50.0	

STL Los Angeles

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mh.i
Lab File ID: HS2180.D
Analysis Type: WATER
Lab Sample ID: 10 PPB 8260B STD
Method: \\SANP2007\D\CHEM\MH.I\1010BH.B\8260BHL.m

Injection Date: 10-OCT-2000 20:09
Init. Cal. Date(s): 02-OCT-2000 04-OCT-2000
Init. Cal. Times: 17:42 23:47
Quant Type: ISTD

COMPOUND	RRF	RF10	MIN RRF	%D	MAX %D
74 1,3,5-Trimethylbenzene	2.86961	2.65208	0.010	-7.6	50.0
75 tert-Butylbenzene	2.91681	2.82874	0.010	-3.0	50.0
76 1,2,4-Trimethylbenzene	2.84693	2.55252	0.010	-10.3	50.0
77 sec-Butylbenzene	4.01407	3.60187	0.010	-10.3	50.0
78 1,3-Dichlorobenzene	1.54315	1.63201	0.010	5.8	50.0
80 p-Isopropyltoluene	3.14150	3.14767	0.010	0.2	50.0
81 1,4-Dichlorobenzene	1.64294	1.78866	0.010	8.9	50.0
82 1,2-Dichlorobenzene	1.32401	1.37050	0.010	3.5	50.0
83 n-Butylbenzene	3.64784	3.10497	0.010	-14.9	50.0
84 1,2-Dibromo-3-chloropropane	0.12126	0.10839	0.010	-10.6	50.0
85 1,2,4-Trichlorobenzene	0.95740	1.12659	0.010	17.7	50.0
86 Hexachlorobutadiene	0.91007	1.27333	0.010	39.9	50.0
87 Napthalene	0.85422	0.78603	0.010	-8.0	20.0
88 1,2,3-Trichlorobenzene	0.72792	0.84292	0.010	15.8	50.0

STL Los Angeles Calibration Internal Standard Area Check

CCV File : \\SANP2007\D\chem\mh.I\1010BH.B/HS2180.D
Inj. Date : 10-OCT-2000 20:09

ICAL Mid Point : //SANP2007/D/chem/mh.I/1004BH.B/HS2160.D
Inj. Date : 04-OCT-2000 22:16

IS NAME	ICAL RT	CCV RT	DIFF.	ICAL AREA	CCV AREA	%DIFF.
Fluorobenzene	7.59	7.59	-0.00	1171070	1101356	94.0%
Chlorobenzene-d5	13.08	13.07	0.01	751201	771394	102.7%
1,4-Dichlorobenzene-d4	17.70	17.70	-0.00	405572	482116	118.9%

8260B Area difference criteria: 50%-200%

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mh.i
Lab File ID: HS2180.D
Lab Smp Id: 10 PPB 8260B STD
Analysis Type: VOA
Quant Type: ISTD
Operator: AD
Method File: \\SANP2007\D\CHEM\MH.I\1010BH.B\8260BHL.m
Misc Info: ,25,,,2,1-8260B.SUB

Calibration Date: 10-OCT-2000
Calibration Time: 20:09

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1101356	550678	2202712	1101356	0.00
56 Chlorobenzene-d5	771394	385697	1542788	771394	0.00
79 1,4-Dichlorobenze	482116	241058	964232	482116	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	7.59	7.09	8.09	7.59	0.00
56 Chlorobenzene-d5	13.07	12.57	13.57	13.07	0.00
79 1,4-Dichlorobenze	17.70	17.20	18.20	17.70	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

VOLATILE REPORT low level 8260B

Data file : \\SANP2007\D\chem\mh.I\1010BH.B\HS2180.D
Lab Smp Id: 10 PPB 8260B STD
Inj Date : 10-OCT-2000 20:09
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\1010BH.B\8260BHL.m
Meth Date : 10-Oct-2000 20:34 donga Quant Type: ISTD
Cal Date : 04-OCT-2000 23:47 Cal File: HS2163.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	1.745	1.745	(0.230)	489151	10.0000	12.72
2 Chloromethane (**)	50	1.923	1.923	(0.253)	194996	10.0000	12.99
3 Vinyl chloride (*)	62	2.001	2.001	(0.264)	210966	10.0000	10.24
4 Bromomethane	94	2.317	2.317	(0.305)	284176	10.0000	11.65
5 Chloroethane	64	2.416	2.416	(0.318)	130621	10.0000	9.84
6 Trichlorofluoromethane	101	2.662	2.662	(0.351)	943027	10.0000	14.08
10 Acrolein	56	3.076	3.076	(0.405)	56473	100.000	86.46
8 1,1-Dichloroethene(*)	96	3.205	3.205	(0.422)	302504	10.0000	10.12
9 1,1,2-Trichlorotrifluoroethan	151	3.224	3.224	(0.425)	542030	10.0000	14.77
11 Iodomethane	142	3.372	3.372	(0.444)	1536111	20.0000	27.67
7 Acetone	43	3.254	3.254	(0.429)	83556	50.0000	49.12
12 Carbon disulfide	76	3.441	3.441	(0.453)	934764	10.0000	9.40
13 Methylene chloride	84	3.787	3.787	(0.499)	266390	10.0000	9.61
14 Acrylonitrile	53	4.092	4.092	(0.539)	131361	100.000	101.5(A)
15 t-Butanol	59	3.994	3.994	(0.526)	20789	40.0000	36.37

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	19 Vinyl acetate	43	4.911	4.911	(0.647)	780748	20.0000	21.26
	16 trans-1,2-Dichloroethene	96	4.161	4.161	(0.548)	357460	10.0000	10.46
	17 Methyl-tert-butyl ether[MTBE]	73	4.181	4.181	(0.551)	383065	10.0000	9.76
	18 1,1-Dichloroethane (**)	63	4.783	4.783	(0.630)	565006	10.0000	10.01
	20 Isopropyl ether	45	4.950	4.950	(0.652)	787961	10.0000	10.88
	21 Tert-butyl ethyl ether	59	5.513	5.513	(0.726)	610887	10.0000	9.19
M	25 1,2-Dichloroethene (total)	100				722051	20.0000	21.14
	22 2,2-Dichloropropane	77	5.660	5.660	(0.745)	650843	10.0000	11.80
	23 cis-1,2-Dichloroethene	96	5.680	5.680	(0.748)	364591	10.0000	10.68
	24 2-Butanone	43	5.720	5.720	(0.753)	139793	50.0000	55.63
	27 Bromochloromethane	128	6.055	6.055	(0.797)	209780	10.0000	12.98
	28 Chloroform (*)	83	6.213	6.213	(0.818)	861679	10.0000	11.54
	26 Tetrahydrofuran	42	6.154	6.154	(0.810)	19232	10.0000	10.50(Q)
$	29 Dibromofluoromethane	111	6.479	6.479	(0.853)	733361	10.0000	12.98
	30 1,1,1-Trichloroethane	97	6.499	6.499	(0.856)	857011	10.0000	13.45
	31 Carbon Tetrachloride	117	6.775	6.775	(0.892)	875487	10.0000	15.91
	32 1,1-Dichloropropene	75	6.775	6.775	(0.892)	552577	10.0000	10.60
$	33 1,2-Dichloroethane-d4	65	7.012	7.012	(0.923)	286631	10.0000	11.52
	34 1,2-Dichloroethane-d4 2nd	102	7.002	7.002	(0.922)	52067	10.0000	11.47
	35 Benzene	78	7.101	7.101	(0.935)	833641	10.0000	9.91
	36 1,2-Dichloroethane	62	7.130	7.130	(0.939)	349335	10.0000	11.84
	37 Tert-amyl methyl ether	73	7.367	7.367	(0.970)	472754	10.0000	9.65
*	38 Fluorobenzene	96	7.594	7.594	(1.000)	1101356	10.0000	
	39 Trichloroethene	130	8.235	8.235	(1.084)	528301	10.0000	13.16
	40 1,2-Dichloropropane(*)	63	8.580	8.580	(1.130)	313085	10.0000	10.09
	41 Dibromomethane	93	8.797	8.797	(1.158)	248777	10.0000	11.20
	42 Bromodichloromethane	83	9.103	9.103	(1.199)	736423	10.0000	11.85
	44 2-Chloroethylvinyl ether	106	9.724	9.724	(1.281)	30317	20.0000	20.54(Q)
	43 1-Bromo-2-chloroethane	63	9.625	9.625	(1.268)	400618	10.0000	9.85
	45 cis-1,3-Dichloropropene	75	9.921	9.921	(1.307)	414677	10.0000	10.44
	46 4-Methyl-2-pentanone	43	10.247	10.247	(1.349)	448940	50.0000	58.40
$	47 Toluene-d8	98	10.405	10.405	(0.796)	860596	10.0000	10.06
	48 Toluene (*)	91	10.513	10.513	(0.805)	1070423	10.0000	9.68
	49 trans-1,3-Dichloropropene	75	10.957	10.957	(0.838)	293427	10.0000	9.78
	50 1,1,2-Trichloroethane	97	11.272	11.272	(0.863)	199887	10.0000	9.75
	51 Tetrachloroethene	164	11.529	11.529	(0.882)	519818	10.0000	14.20
	52 1,3-Dichloropropane	76	11.568	11.568	(0.885)	295415	10.0000	9.44
	53 2-Hexanone	43	11.795	11.795	(0.903)	276489	50.0000	48.12
	54 Dibromochloromethane	129	11.983	11.983	(0.917)	524497	10.0000	12.58
	55 1,2-Dibromoethane	107	12.140	12.140	(0.929)	303926	10.0000	10.52
*	56 Chlorobenzene-d5	117	13.067	13.067	(1.000)	771394	10.0000	
	57 Chlorobenzene (**)	112	13.117	13.117	(1.004)	830863	10.0000	10.67
	58 1,1,1,2-Tetrachloroethane	131	13.304	13.304	(1.018)	463635	10.0000	12.80
	59 Ethylbenzene (*)	106	13.383	13.383	(1.024)	371305	10.0000	10.53
	60 m,p-Xylenes	106	13.630	13.630	(1.043)	944673	20.0000	21.09
M	61 Xylenes (total)	100				1386387	30.0000	31.84
	62 o-Xylene	106	14.369	14.369	(1.100)	441714	10.0000	10.75

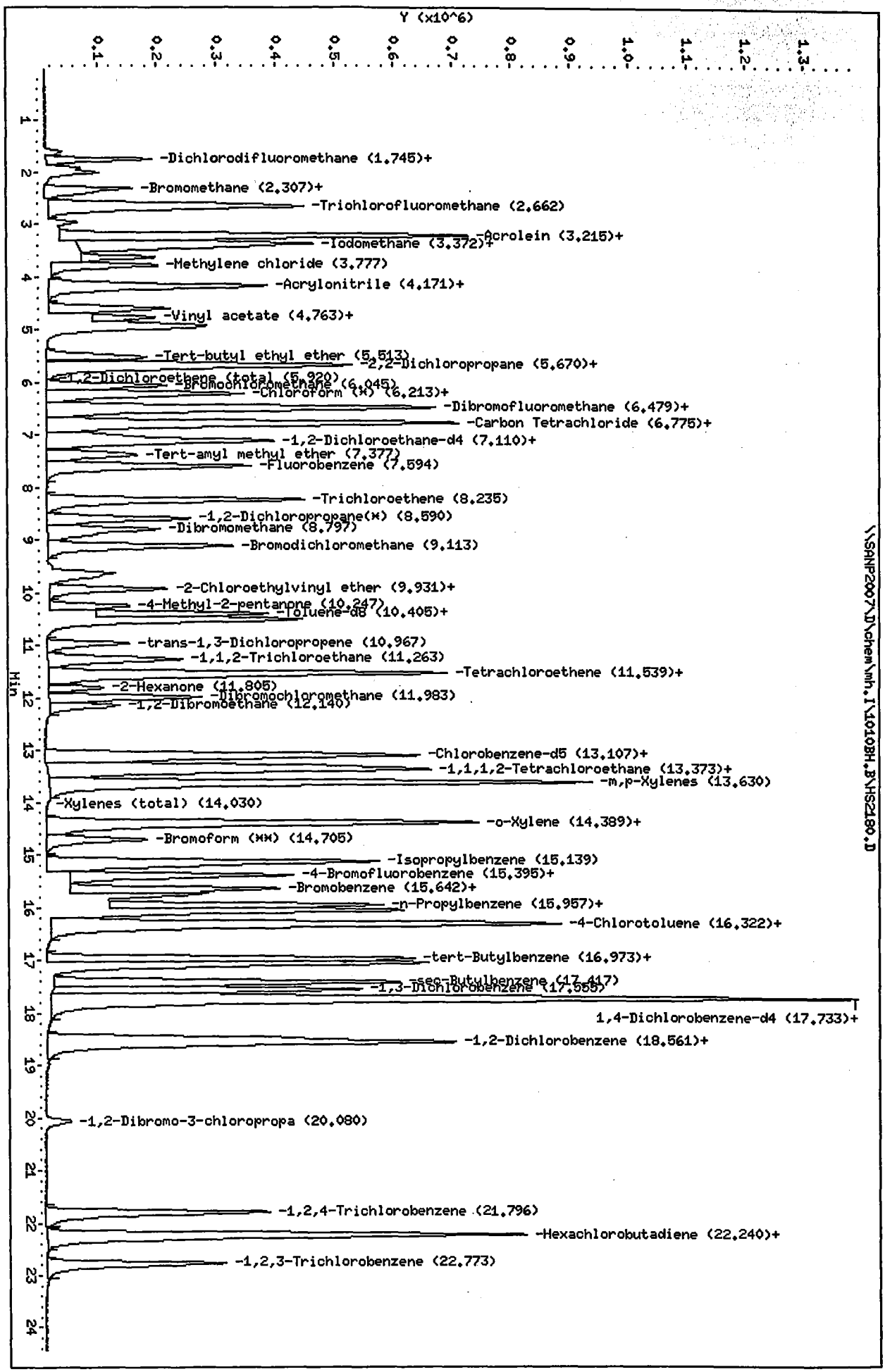
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
63 Styrene	104	14.409	14.409	(1.103)	691069	10.0000	10.44
64 Bromoform (**)	173	14.715	14.715	(1.126)	291992	10.0000	13.95
65 Isopropylbenzene	105	15.139	15.139	(1.159)	1506494	10.0000	11.08
$ 66 4-Bromofluorobenzene	95	15.395	15.395	(1.178)	612476	10.0000	9.82
67 4-Bromofluorobenzene-2nd	174	15.395	15.395	(1.178)	485999	10.0000	13.90(Q)
68 Bromobenzene	156	15.642	15.642	(0.884)	464497	10.0000	10.92
69 1,1,2,2-Tetrachloroethane(**)	83	15.730	15.730	(0.889)	235775	10.0000	7.49
70 1,2,3-Trichloropropane	110	15.780	15.780	(0.891)	60221	10.0000	9.61(Q)
71 n-Propylbenzene	91	15.957	15.957	(0.901)	1653180	10.0000	8.26
72 2-Chlorotoluene	126	16.066	16.066	(0.908)	364162	10.0000	9.60(Q)
73 4-Chlorotoluene	126	16.283	16.283	(0.920)	392044	10.0000	9.76(Q)
74 1,3,5-Trimethylbenzene	105	16.332	16.332	(0.923)	1278610	10.0000	9.24
75 tert-Butylbenzene	119	16.963	16.963	(0.958)	1363783	10.0000	9.70
76 1,2,4-Trimethylbenzene	105	17.072	17.072	(0.964)	1230613	10.0000	8.96
77 sec-Butylbenzene	105	17.417	17.417	(0.984)	1736520	10.0000	8.97
78 1,3-Dichlorobenzene	146	17.565	17.565	(0.992)	786818	10.0000	10.58
* 79 1,4-Dichlorobenzene-d4	152	17.703	17.703	(1.000)	482116	10.0000	(Q)
80 p-Isopropyltoluene	119	17.752	17.752	(1.003)	1517543	10.0000	10.02
81 1,4-Dichlorobenzene	146	17.742	17.742	(1.002)	862340	10.0000	10.89(H)
82 1,2-Dichlorobenzene	146	18.472	18.472	(1.043)	660738	10.0000	10.35
83 n-Butylbenzene	91	18.571	18.571	(1.049)	1496955	10.0000	8.51
84 1,2-Dibromo-3-chloropropane	157	20.080	20.080	(1.134)	52256	10.0000	8.94
85 1,2,4-Trichlorobenzene	180	21.806	21.806	(1.232)	543149	10.0000	11.77
86 Hexachlorobutadiene	225	22.230	22.230	(1.256)	613895	10.0000	13.99
87 Napthalene	128	22.260	22.260	(1.257)	378960	10.0000	9.20
88 1,2,3-Trichlorobenzene	180	22.773	22.773	(1.286)	406386	10.0000	11.58

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: \\SANP2007\D\chem\mh.I\1010BH.B\HS2180.D
Date : 10-OCT-2000 20:09
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\1010BH.B\H12430.D
Lab Smp Id: LCS-1010BH Client Smp ID: H12430
Inj Date : 10-OCT-2000 20:49
Operator : AD Inst ID: mh.i
Smp Info : LCS-1010BH,LCS,1,,0,1,0,8260BHL.M,H12430
Misc Info : ,25,,,3,SPK.SUB,SH.SPK
Comment :
Method : \\SANP2007\D\CHEM\MH.I\1010BH.B\8260BHL.m
Meth Date : 10-Oct-2000 20:55 donga Quant Type: ISTD
Cal Date : 04-OCT-2000 23:47 Cal File: HS2163.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	3.201	3.205	(0.422)	300332	10.4616	10.46
$ 29 Dibromofluoromethane	111	6.476	6.479	(0.853)	702114	12.9389	12.94
$ 33 1,2-Dichloroethane-d4	65	6.998	7.012	(0.922)	274655	11.4966	11.50
34 1,2-Dichloroethane-d4 2nd	102	6.998	7.002	(0.922)	50226	11.5205	11.52
35 Benzene	78	7.107	7.101	(0.936)	736171	9.11365	9.11
* 38 Fluorobenzene	96	7.590	7.594	(1.000)	1057617	10.0000	
39 Trichloroethene	130	8.231	8.235	(1.084)	487635	12.6471	12.65
$ 47 Toluene-d8	98	10.391	10.405	(0.795)	817685	10.0682	10.07
48 Toluene (*)	91	10.519	10.513	(0.805)	938805	8.94431	8.94
* 56 Chlorobenzene-d5	117	13.064	13.067	(1.000)	732435	10.0000	
57 Chlorobenzene (**)	112	13.123	13.117	(1.005)	701686	9.49178	9.49
$ 66 4-Bromofluorobenzene	95	15.382	15.395	(1.177)	566574	9.56888	9.57
67 4-Bromofluorobenzene-2nd	174	15.392	15.395	(1.178)	469066	14.1308	14.13(Q)
* 79 1,4-Dichlorobenzene-d4	152	17.709	17.703	(1.000)	466834	10.0000	(Q)

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mh.i
Lab File ID: H12430.D
Lab Smp Id: LCS-1010BH
Analysis Type: VOA
Quant Type: ISTD
Operator: AD
Method File: \\SANP2007\D\CHEM\MH.I\1010BH.B\8260BHL.m
Misc Info: ,25,,,3,SPK.SUB,SH.SPK

Calibration Date: 10-OCT-2000
Calibration Time: 20:09
Client Smp ID: H12430
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1101356	550678	2202712	1057617	-3.97
56 Chlorobenzene-d5	771394	385697	1542788	732435	-5.05
79 1,4-Dichlorobenze	482116	241058	964232	466834	-3.17

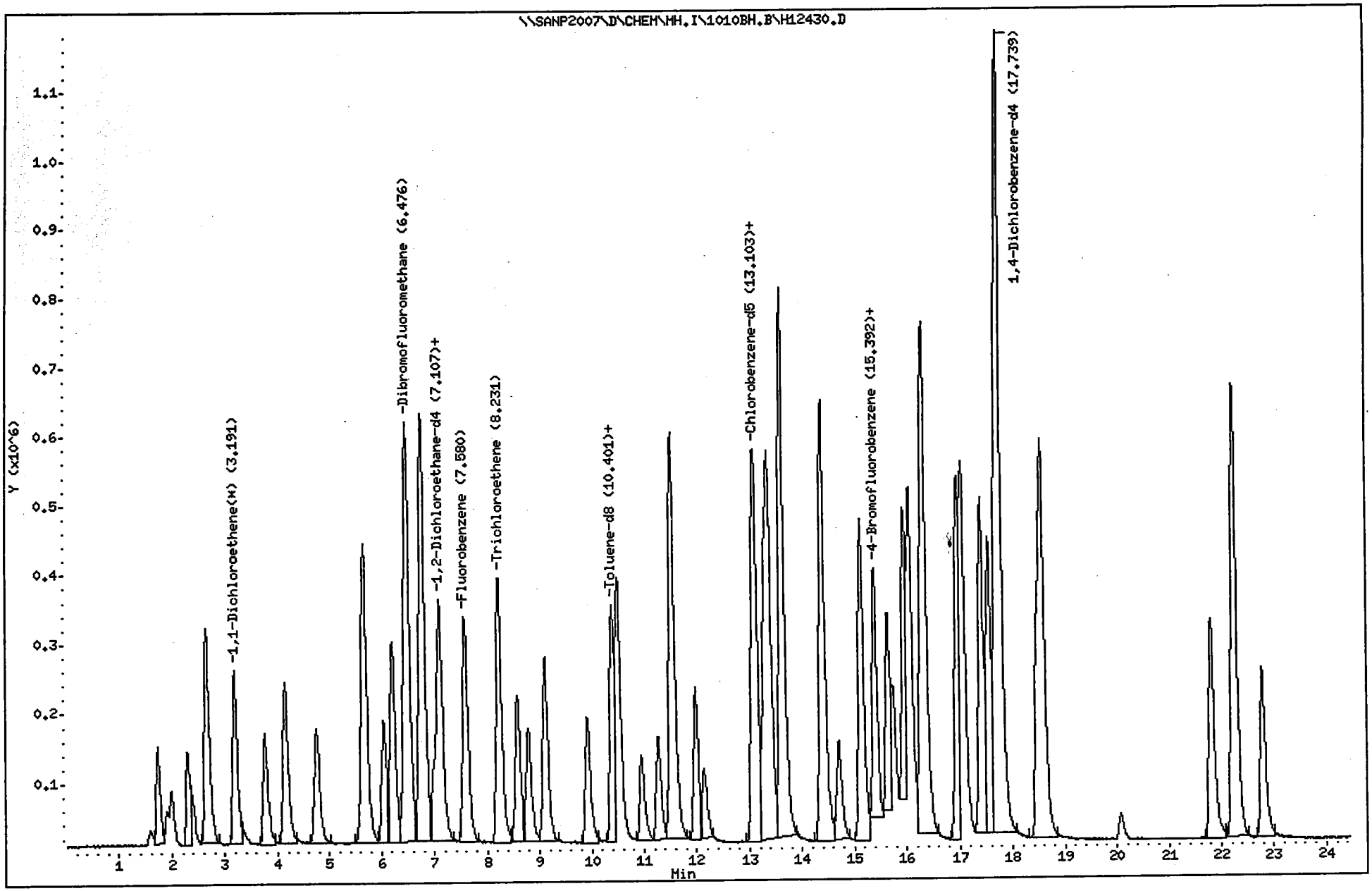
COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	7.59	7.09	8.09	7.59	-0.05
56 Chlorobenzene-d5	13.07	12.57	13.57	13.06	-0.03
79 1,4-Dichlorobenze	17.70	17.20	18.20	17.71	0.04

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\1010BH.B\H12430.D
Date : 10-OCT-2000 20:49
Client ID: H12430
Sample Info: LCS-1010BH,LCS,1,,0,1,0,8260BHL.M,H12430
Purge Volume: 25.0
Column phase: J&W DB-624

Instrument: mh.i

Operator: AD
Column diameter: 0.53



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BOE-C6-0170108

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VOLATILE REPORT low level 8260B

Data file : \\SANP2007\D\chem\mh.I\1010BH.B\H12431.D
Lab Smp Id: MB-1010BH Client Smp ID: H12431
Inj Date : 10-OCT-2000 21:19
Operator : AD Inst ID: mh.i
Smp Info : MB-1010BH,BLANK,1,,0,1,0,8260BHL.M,H12431
Misc Info : ,25,,,3,1-8260B.SUB
Comment :
Method : \\SANP2007\D\CHEM\MH.I\1010BH.B\8260BHL.m
Meth Date : 10-Oct-2000 21:21 donga Quant Type: ISTD
Cal Date : 04-OCT-2000 23:47 Cal File: HS2163.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	2.750	3.254	(0.362)	20392	13.4896	13.49
$ 29 Dibromofluoromethane	111	6.478	6.479	(0.853)	667111	13.2848	13.28(R)
$ 33 1,2-Dichloroethane-d4	65	7.011	7.012	(0.923)	248932	11.2598	11.26
34 1,2-Dichloroethane-d4 2nd	102	7.011	7.002	(0.923)	44308	10.9824	10.98(Q)
* 38 Fluorobenzene	96	7.593	7.594	(1.000)	978729	10.0000	
$ 47 Toluene-d8	98	10.414	10.405	(0.796)	758208	10.2879	10.29
* 56 Chlorobenzene-d5	117	13.077	13.067	(1.000)	664656	10.0000	
$ 66 4-Bromofluorobenzene	95	15.404	15.395	(1.178)	470990	8.76573	8.76(Q)
67 4-Bromofluorobenzene-2nd	174	15.404	15.395	(1.178)	389133	12.9182	12.92(Q)
* 79 1,4-Dichlorobenzene-d4	152	17.702	17.703	(1.000)	390046	10.0000	(Q)
87 Napthalene	128	22.269	22.260	(1.258)	12559	0.37696	0.377(a)

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mh.i
Lab File ID: H12431.D
Lab Smp Id: MB-1010BH
Analysis Type: VOA
Quant Type: ISTD
Operator: AD
Method File: \\SANP2007\D\CHEM\MH.I\1010BH.B\8260BHL.m
Misc Info: ,25,,,3,1-8260B.SUB

Calibration Date: 10-OCT-2000
Calibration Time: 20:09
Client Smp ID: H12431
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1101356	550678	2202712	978729	-11.13
56 Chlorobenzene-d5	771394	385697	1542788	664656	-13.84
79 1,4-Dichlorobenze	482116	241058	964232	390046	-19.10

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	7.59	7.09	8.09	7.59	-0.01
56 Chlorobenzene-d5	13.07	12.57	13.57	13.08	0.07
79 1,4-Dichlorobenze	17.70	17.20	18.20	17.70	-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.

QC Flag Legend

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

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2007\D\chem\mh.I\1010BH.B\H12431.D
Lab Smp Id: MB-1010BH Client Smp ID: H12431
Inj Date : 10-OCT-2000 21:19
Operator : AD Inst ID: mh.i
Smp Info : MB-1010BH,BLANK,1,,0,1,0,8260BHL.M,H12431
Misc Info : ,25,,,3,1-8260B.SUB
Comment :
Method : \\SANP2007\D\CHEM\MH.I\1010BH.B\8260BHL.m
Meth Date : 10-Oct-2000 21:21 donga Quant Type: ISTD
Cal Date : 04-OCT-2000 23:47 Cal File: HS2163.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

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: MB-1010BH
Operator : AD
Sample Location:
Sample Matrix: WATER
Analysis Type: VOA

Client SDG: SDGa46847
Client Smp ID: H12431
Sample Date:
Sample Point:
Date Received:
Level: LOW

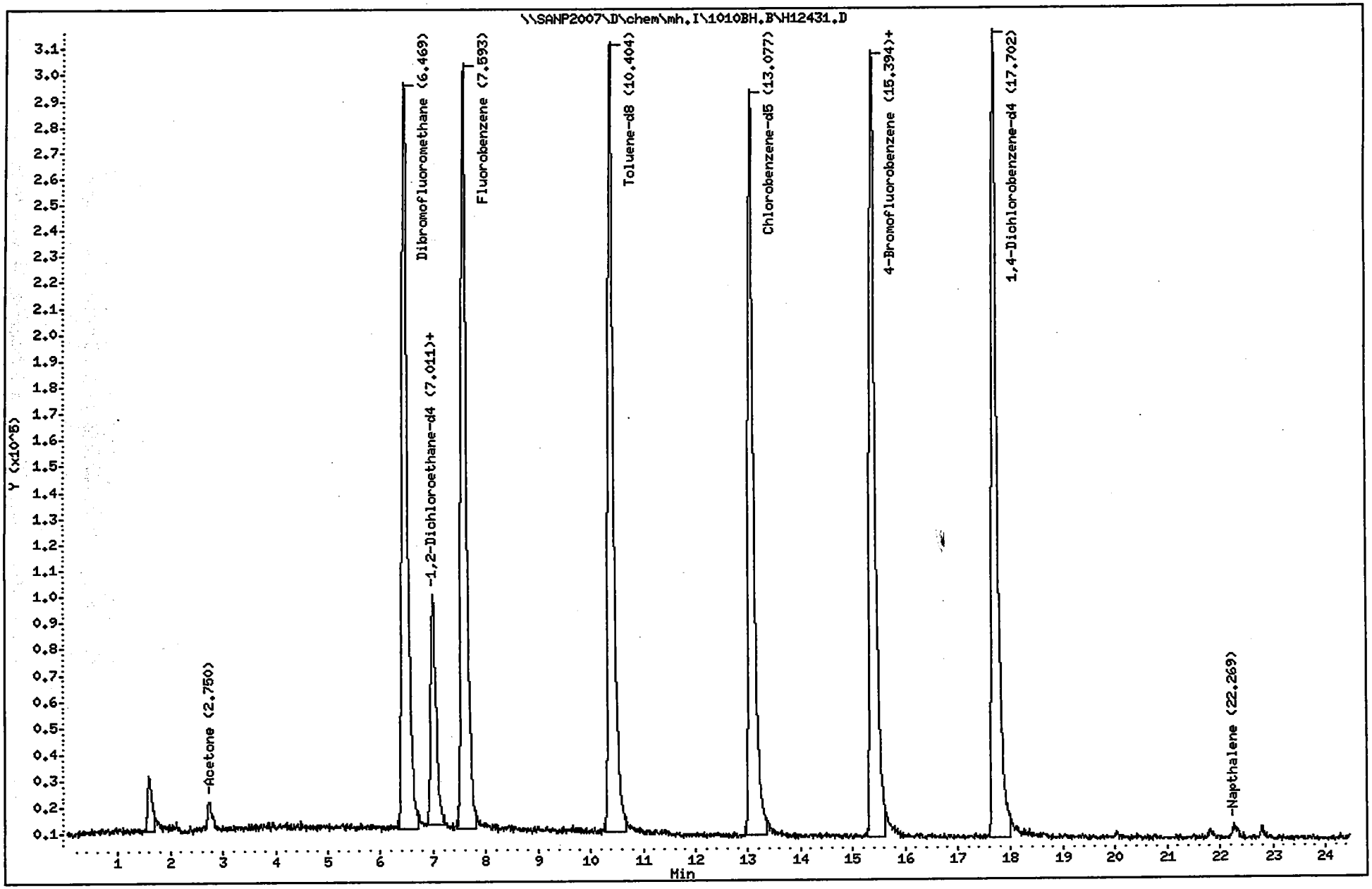
Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Data File: \\SANP2007\D\chem\mh.I\1010BH.B\H12431.D
Date : 10-OCT-2000 21:19
Client ID: H12431
Sample Info: MB-1010BH,BLANK,1,,0,1,0,8260BHL.M,H12431
Purge Volume: 25.0
Column phase: J&W DB-624

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



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BOE-C6-0170114

Data File: \\SANP2007\D\chem\mh.I\1010BH.B\H12431.D

Date : 10-OCT-2000 21:19

Client ID: H12431

Instrument: mh.i

Sample Info: MB-1010BH,BLANK,1,,0,1,0,8260BHL.M,H12431

Purge Volume: 25.0

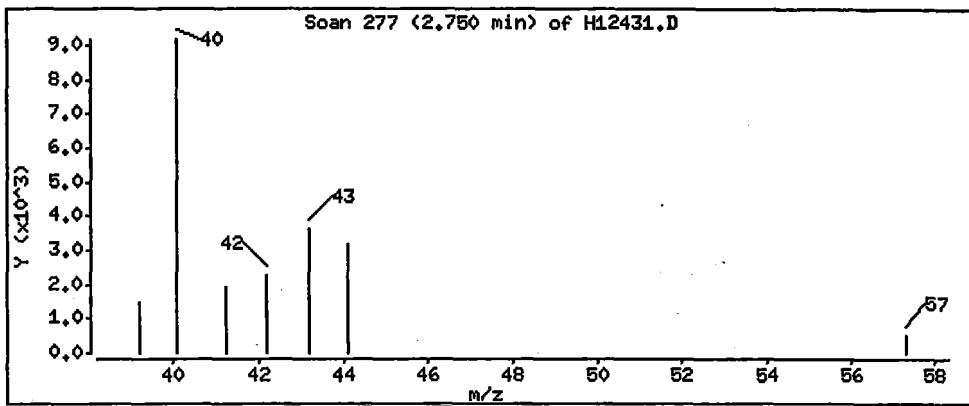
Operator: AD

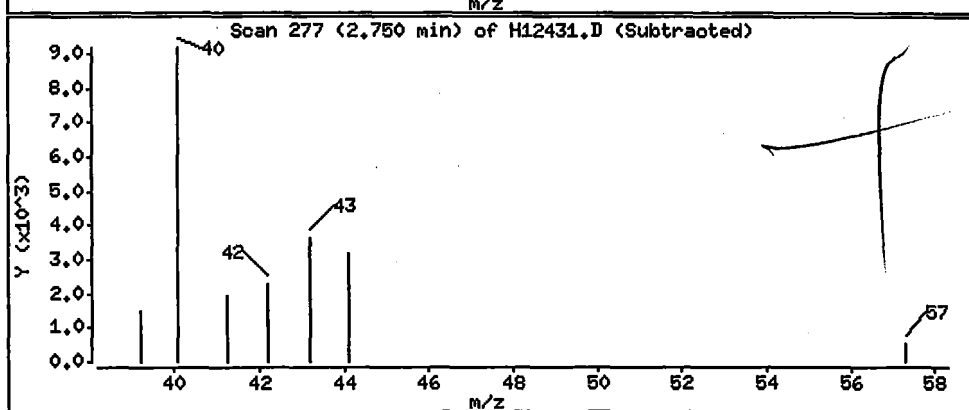
Column phase: J&W DB-624

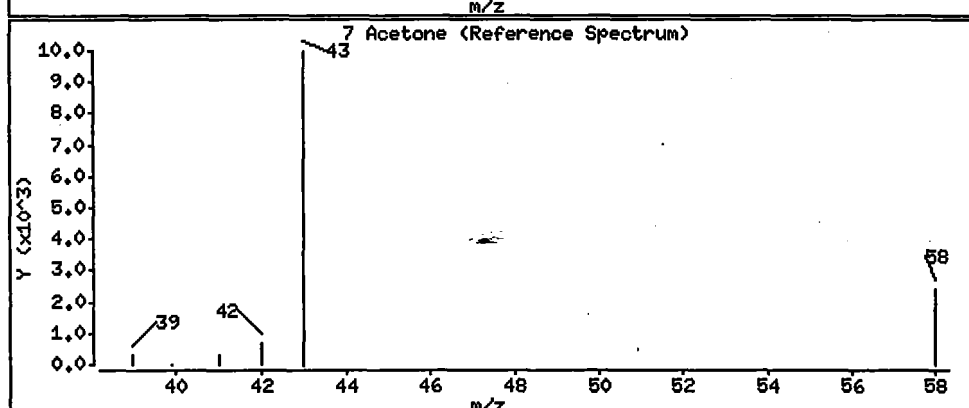
Column diameter: 0.53

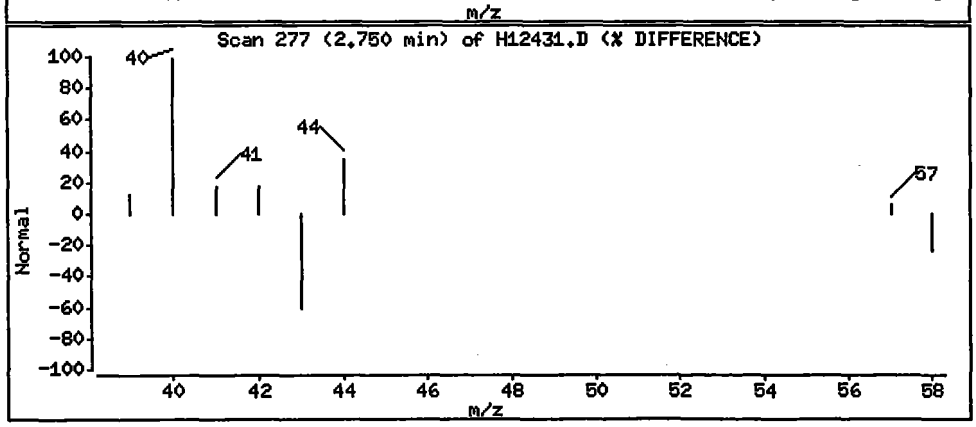
7 Acetone

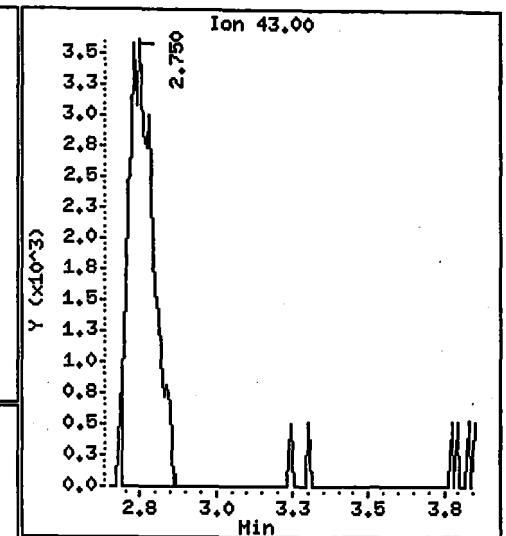
Concentration: 13.49 ug/L

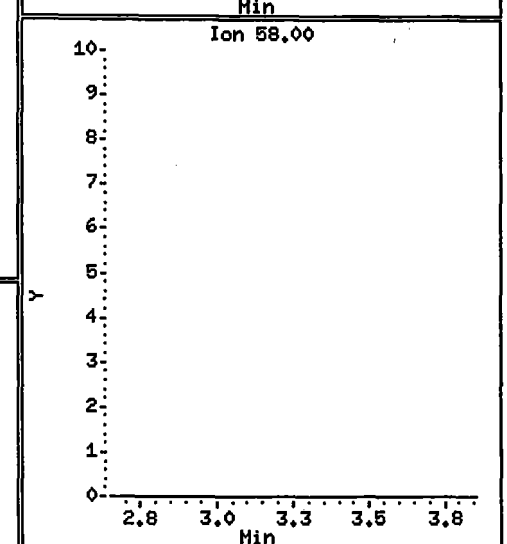












Data File: \\SANP2007\D\chem\mh.I\1010BH.B\H12431.D

Date : 10-OCT-2000 21:19

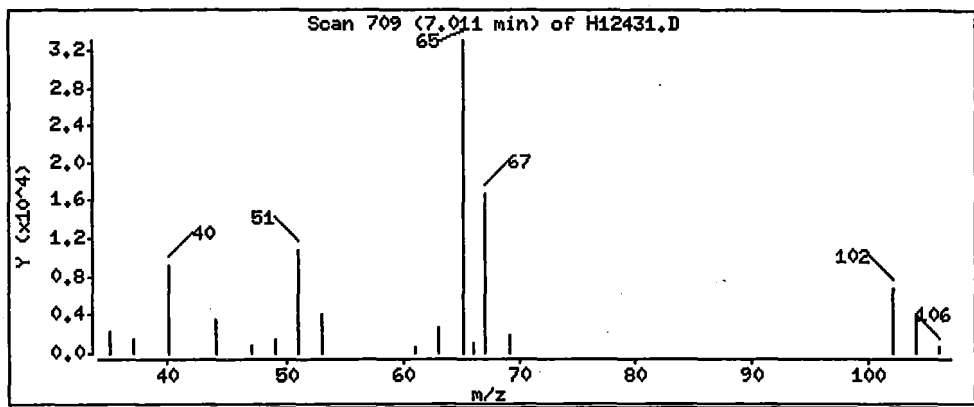
Client ID: H12431 | Instrument: mh.i

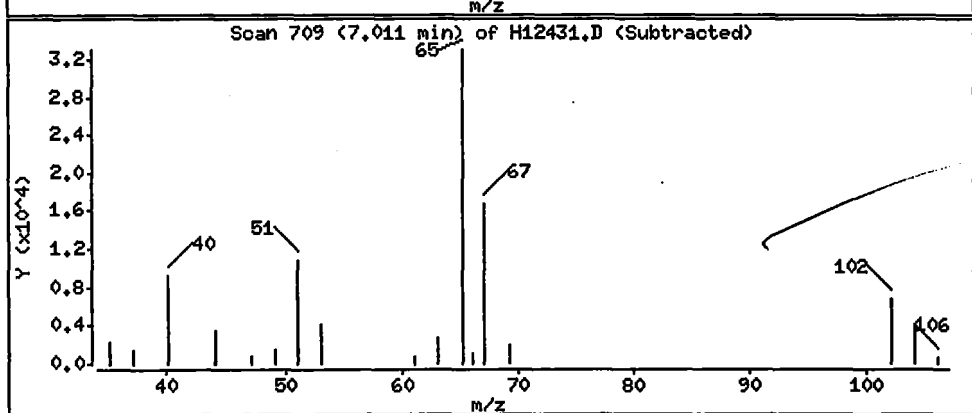
Sample Info: MB-1010BH,BLANK,1,,0,1,0,8260BHL.M,H12431

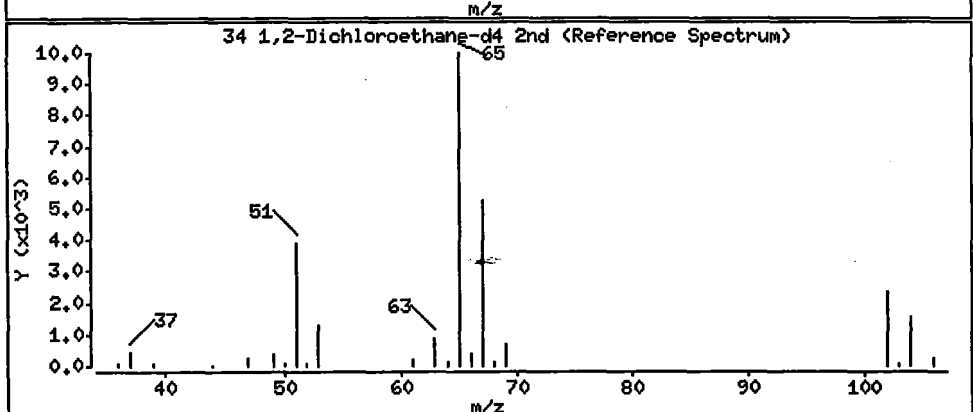
Purge Volume: 25.0 | Operator: AD

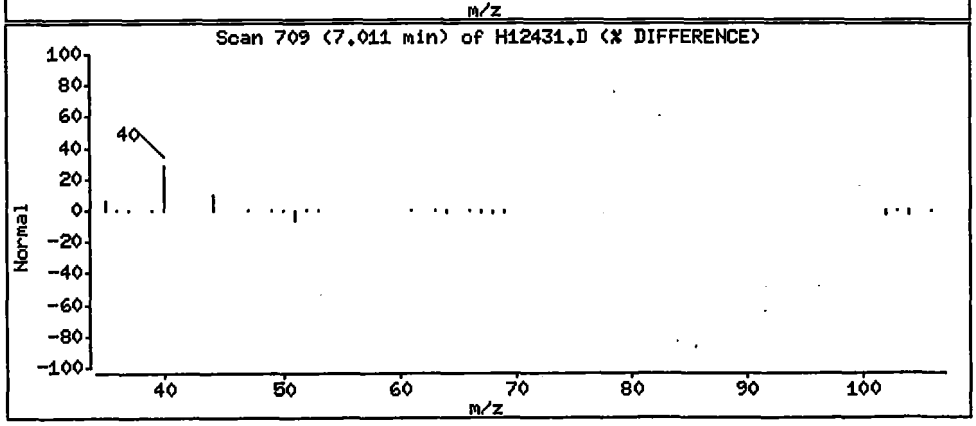
Column phase: J&W DB-624 | Column diameter: 0.53

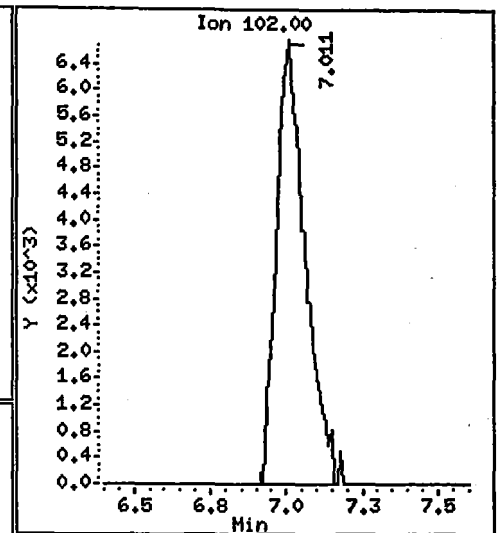
34 1,2-Dichloroethane-d4 2nd | Concentration: 10.98 ug/L

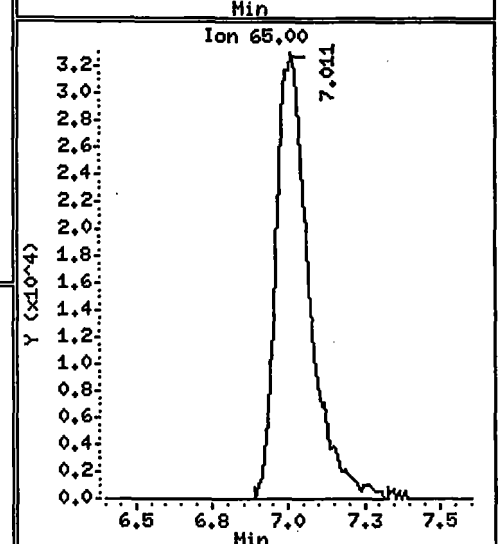












Data File: \\SANP2007\D\chem\mh.I\1010BH.B\H12431.D

Date : 10-OCT-2000 21:19

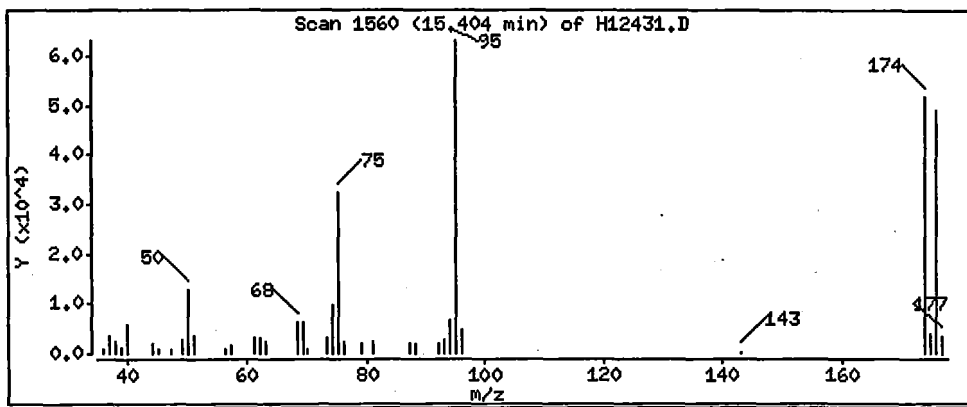
Client ID: H12431 Instrument: mh.i

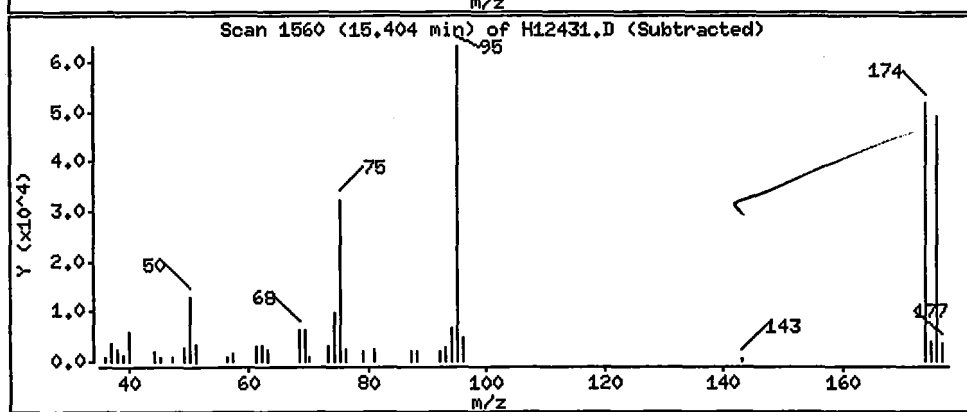
Sample Info: MB-1010BH,BLANK,1,,0,1,0,8260BHL.M,H12431

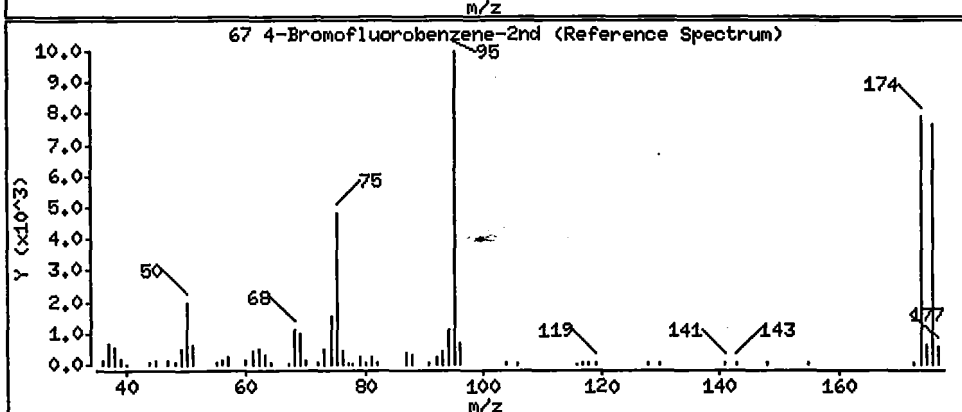
Purge Volume: 25.0 Operator: AD

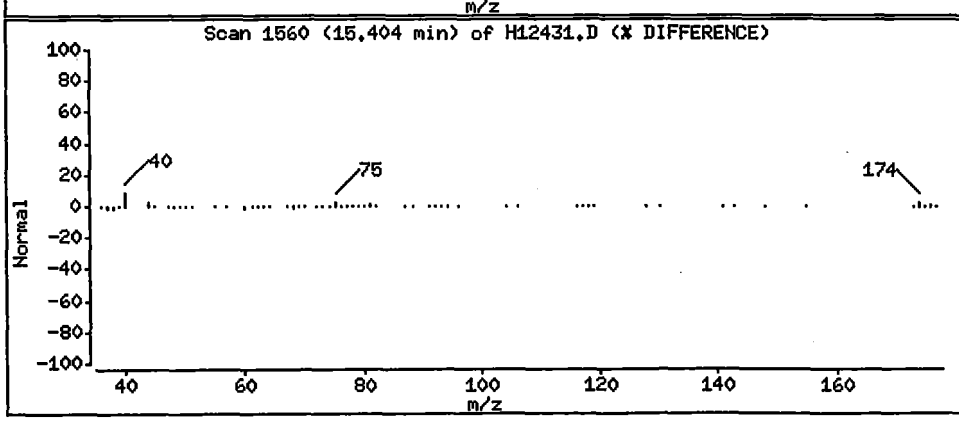
Column phase: J&W DB-624 Column diameter: 0.53

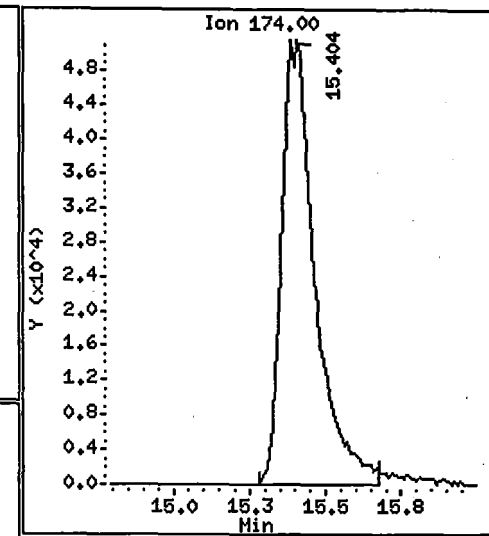
67 4-Bromofluorobenzene-2nd Concentration: 12.92 ug/L

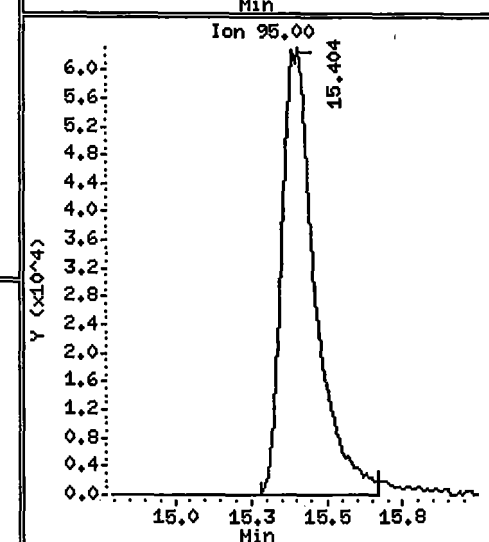


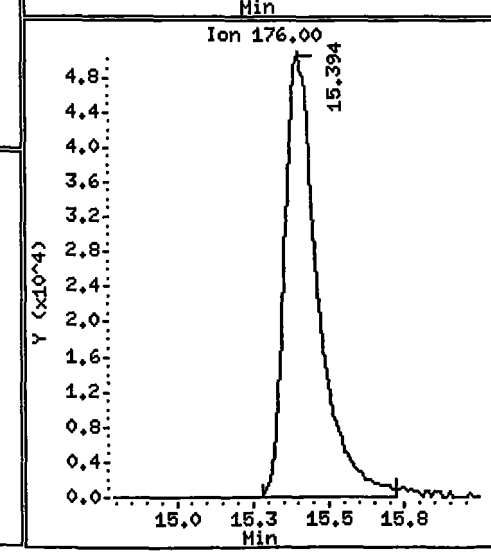












Data File: \\SANP2007\D\chem\mh.I\1010BH.B\H12431.D

Date : 10-OCT-2000 21:19

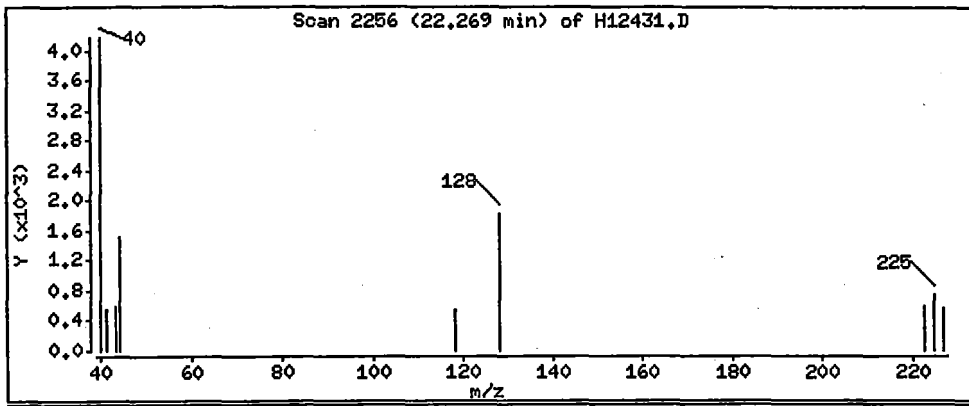
Client ID: H12431 Instrument: mh.i

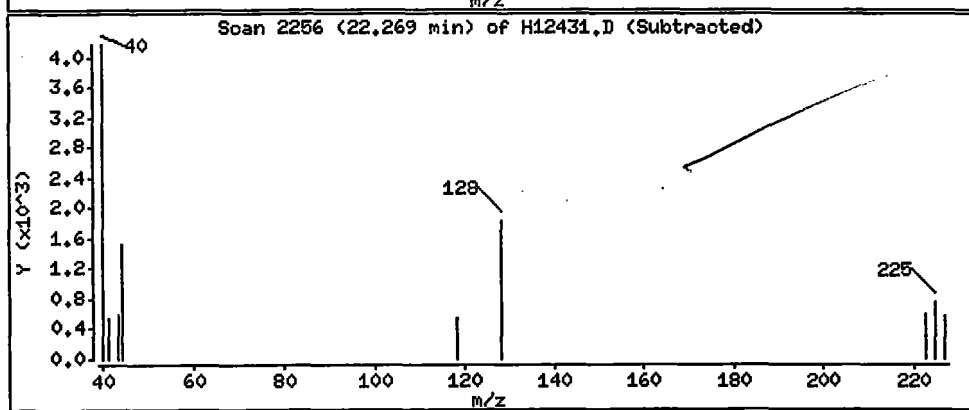
Sample Info: MB-1010BH,BLANK,1,,0,1,0,8260BHL.M,H12431

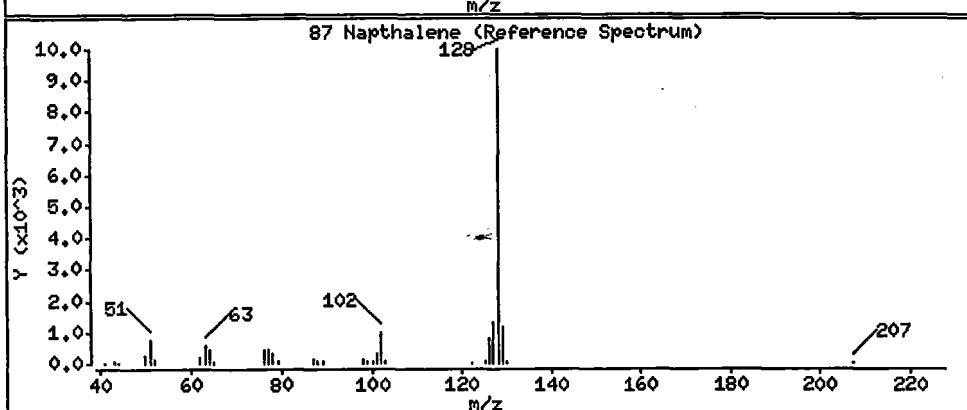
Purge Volume: 25.0 Operator: AD

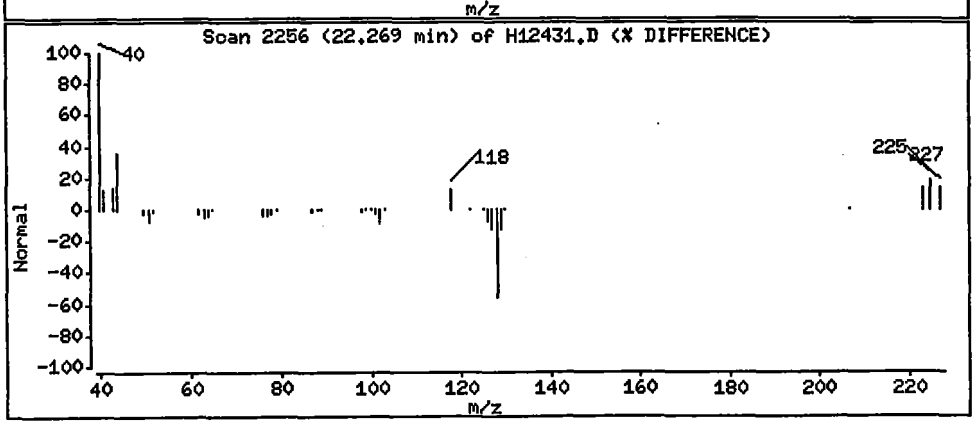
Column phase: J&W DB-624 Column diameter: 0.53

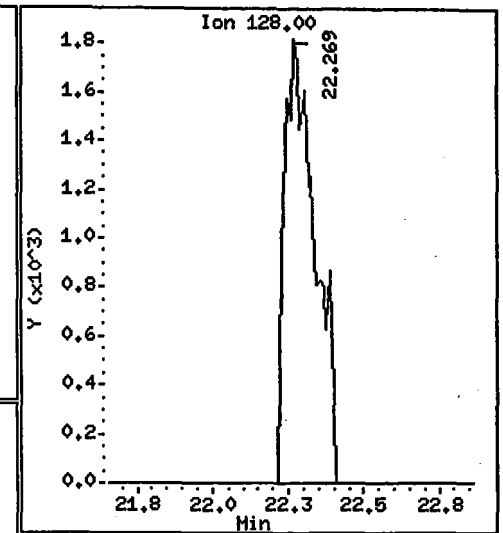
87 Napthalene Concentration: 0.377 ug/L

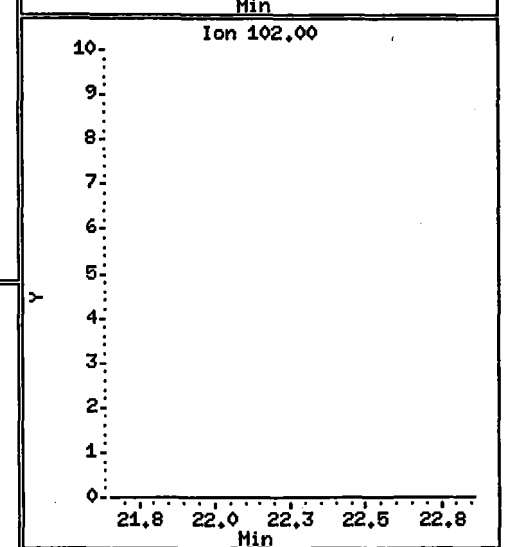












000469

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2007\D\CHEM\MH.I\1010BH.B\H12448.D
Lab Smp Id: DLPXD102 Client Smp ID: H12448
Inj Date : 11-OCT-2000 05:59
Operator : AD Inst ID: mh.i
Smp Info : DLPXD102,MS,1,,0,1,0,8260BHL.M,H12448
Misc Info : ,25,,,3,SPK.SUB,SH.SPK
Comment :
Method : \\SANP2007\D\CHEM\MH.I\1010BH.B\8260BHL.m
Meth Date : 10-Oct-2000 21:21 donga Quant Type: ISTD
Cal Date : 04-OCT-2000 23:47 Cal File: HS2163.D
Als bottle: 16 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	3.213	3.205	(0.423)	369089	10.4642	10.46
$	29 Dibromofluoromethane	111	6.477	6.479	(0.853)	823939	12.3585	12.36
$	33 1,2-Dichloroethane-d4	65	7.000	7.012	(0.922)	323512	11.0218	11.02
	34 1,2-Dichloroethane-d4 2nd	102	7.010	7.002	(0.923)	56600	10.5667	10.57(Q)
	35 Benzene	78	7.108	7.101	(0.936)	917789	9.24773	9.25
*	38 Fluorobenzene	96	7.592	7.594	(1.000)	1299421	10.0000	
	39 Trichloroethene	130	8.233	8.235	(1.084)	587199	12.3954	12.40
$	47 Toluene-d8	98	10.393	10.405	(0.795)	980448	10.4302	10.43
	48 Toluene (*)	91	10.511	10.513	(0.804)	1151141	9.47549	9.48
*	56 Chlorobenzene-d5	117	13.066	13.067	(1.000)	847749	10.0000	
	57 Chlorobenzene (**)	112	13.125	13.117	(1.005)	835781	9.76787	9.77
$	66 4-Bromofluorobenzene	95	15.393	15.395	(1.178)	640392	9.34442	9.34
	67 4-Bromofluorobenzene-2nd	174	15.393	15.395	(1.178)	527193	13.7216	13.72(Q)
*	79 1,4-Dichlorobenzene-d4	152	17.701	17.703	(1.000)	529054	10.0000	(Q)

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mh.i
Lab File ID: H12448.D
Lab Smp Id: DLPXD102
Analysis Type: VOA
Quant Type: ISTD
Operator: AD
Method File: \\SANP2007\D\CHEM\MH.I\1010BH.B\8260BHL.m
Misc Info: ,25,,,3,SPK.SUB,SH.SPK

Calibration Date: 10-OCT-2000
Calibration Time: 20:09
Client Smp ID: H12448
Level: LOW
Sample Type: WATER

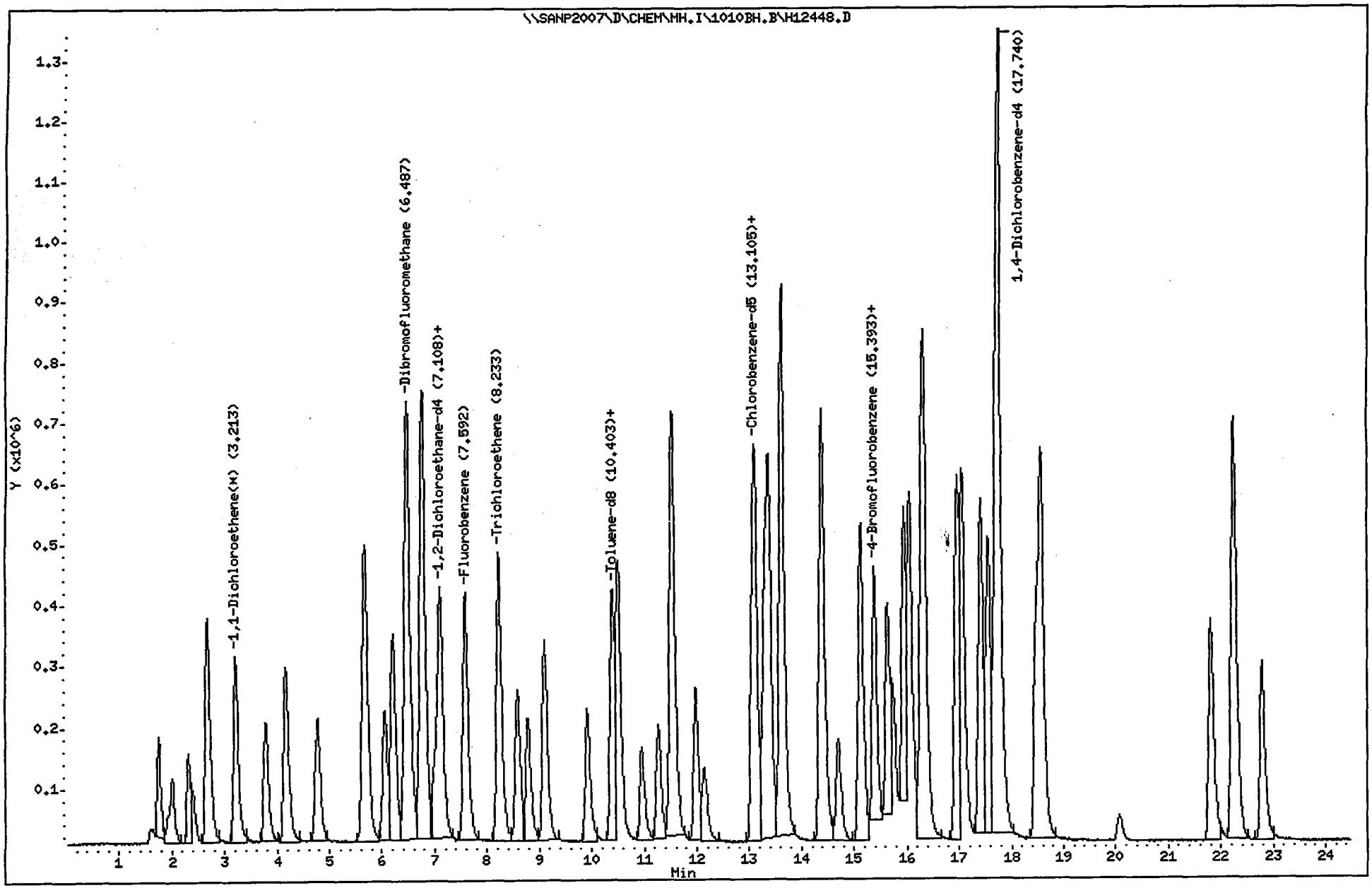
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1101356	550678	2202712	1299421	17.98
56 Chlorobenzene-d5	771394	385697	1542788	847749	9.90
79 1,4-Dichlorobenze	482116	241058	964232	529054	9.74

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	7.59	7.09	8.09	7.59	-0.03
56 Chlorobenzene-d5	13.07	12.57	13.57	13.07	-0.02
79 1,4-Dichlorobenze	17.70	17.20	18.20	17.70	-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.

Data File: \\SANP2007\D\CHEM\MH.I\1010BH.B\H12448.D
Date : 11-OCT-2000 05:59
Client ID: H12448
Sample Info: DLPXD102,MS,1,,0,1,0,8260BHL.M,H12448
Purge Volume: 25.0
Column phase: J&W DB-624

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



000472

BOE-C6-0170121

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2007\D\CHEM\MH.I\1010BH.B\H12449.D
Lab Smp Id: DLPXD103 Client Smp ID: H12449
Inj Date : 11-OCT-2000 06:30
Operator : AD Inst ID: mh.i
Smp Info : DLPXD103,MSD,1,,0,1,0,8260BHL.M,H12449
Misc Info : ,25,,,3,SPK.SUB,SH.SPK
Comment :
Method : \\SANP2007\D\CHEM\MH.I\1010BH.B\8260BHL.m
Meth Date : 10-Oct-2000 21:21 donga Quant Type: ISTD
Cal Date : 04-OCT-2000 23:47 Cal File: HS2163.D
Als bottle: 1 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	3.212	3.205	(0.423)	361940	10.3368	10.34
$ 29 Dibromofluoromethane	111	6.477	6.479	(0.853)	818765	12.3710	12.37
$ 33 1,2-Dichloroethane-d4	65	6.999	7.012	(0.922)	324776	11.1461	11.15
34 1,2-Dichloroethane-d4 2nd	102	7.009	7.002	(0.923)	59846	11.2547	11.25
35 Benzene	78	7.108	7.101	(0.936)	882554	8.95799	8.96
* 38 Fluorobenzene	96	7.591	7.594	(1.000)	1289950	10.0000	
39 Trichloroethene	130	8.242	8.235	(1.086)	566176	12.0394	12.04
$ 47 Toluene-d8	98	10.402	10.405	(0.796)	899544	9.62405	9.62
48 Toluene (*)	91	10.520	10.513	(0.805)	1053843	8.72404	8.72
* 56 Chlorobenzene-d5	117	13.075	13.067	(1.000)	842944	10.0000	
57 Chlorobenzene (**)	112	13.124	13.117	(1.004)	817143	9.60448	9.60
$ 66 4-Bromofluorobenzene	95	15.393	15.395	(1.177)	634531	9.31168	9.31
67 4-Bromofluorobenzene-2nd	174	15.403	15.395	(1.178)	522487	13.6766	13.68(Q)
* 79 1,4-Dichlorobenzene-d4	152	17.710	17.703	(1.000)	532868	10.0000	(Q)

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mh.i
Lab File ID: H12449.D
Lab Smp Id: DLPXD103
Analysis Type: VOA
Quant Type: ISTD
Operator: AD
Method File: \\SANP2007\D\CHEM\MH.I\1010BH.B\8260BHL.m
Misc Info: ,25,,,3,SPK.SUB,SH.SPK

Calibration Date: 10-OCT-2000
Calibration Time: 20:09
Client Smp ID: H12449
Level: LOW
Sample Type: WATER

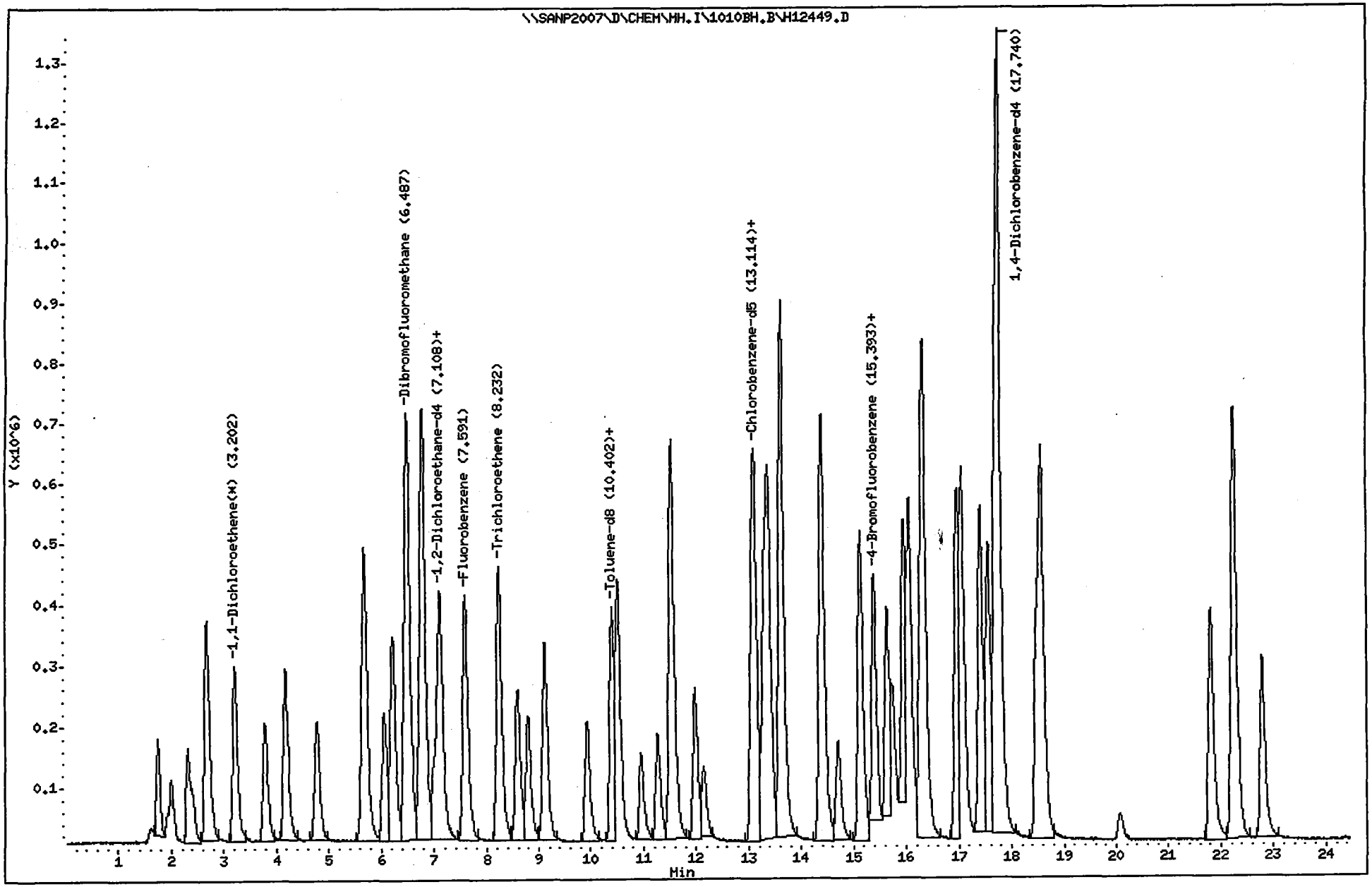
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1101356	550678	2202712	1289950	17.12
56 Chlorobenzene-d5	771394	385697	1542788	842944	9.28
79 1,4-Dichlorobenze	482116	241058	964232	532868	10.53

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	7.59	7.09	8.09	7.59	-0.03
56 Chlorobenzene-d5	13.07	12.57	13.57	13.07	0.06
79 1,4-Dichlorobenze	17.70	17.20	18.20	17.71	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\1010BH.B\H12449.D
Date : 11-OCT-2000 06:30
Client ID: H12449
Sample Info: DLPXD103,MSD,1,,0,1,0,8260BHL.M,H12449
Purge Volume: 25.0
Column phase: J&W DB-624

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



000475

BOE-C6-0170124

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2007\D\chem\mh.I\1010BH.B\H12433.D
Lab Smp Id: DLPK0101 Client Smp ID: H12433
Inj Date : 10-OCT-2000 22:28
Operator : AD Inst ID: mh.i
Smp Info : DLPK0101,,1,,0,1,0,8260BHL.M,H12433
Misc Info : ,25,,,0,1-8260B.SUB
Comment :
Method : \\SANP2007\D\CHEM\MH.I\1010BH.B\8260BHL.m
Meth Date : 10-Oct-2000 21:21 donga Quant Type: ISTD
Cal Date : 04-OCT-2000 23:47 Cal File: HS2163.D
Als bottle: 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	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
7 Acetone	43	3.242	3.254	(0.427)	9794	8.22201	8.22(a)
17 Methyl-tert-butyl ether[MTBE]	73	4.198	4.181	(0.553)	48182	1.75337	1.75
$ 29 Dibromofluoromethane	111	6.487	6.479	(0.854)	519356	13.1244	13.12(R)
$ 33 1,2-Dichloroethane-d4	65	6.999	7.012	(0.922)	200268	11.4952	11.50
34 1,2-Dichloroethane-d4 2nd	102	7.009	7.002	(0.923)	32919	10.3542	10.35(Q)
* 38 Fluorobenzene	96	7.591	7.594	(1.000)	771269	10.0000	
$ 47 Toluene-d8	98	10.402	10.405	(0.796)	594549	9.42528	9.42
* 56 Chlorobenzene-d5	117	13.065	13.067	(1.000)	568888	10.0000	
$ 66 4-Bromofluorobenzene	95	15.393	15.395	(1.178)	366881	7.97760	7.98
67 4-Bromofluorobenzene-2nd	174	15.393	15.395	(1.178)	326743	12.6731	12.67(Q)
* 79 1,4-Dichlorobenzene-d4	152	17.701	17.703	(1.000)	320547	10.0000	(Q)

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mh.i
Lab File ID: H12433.D
Lab Smp Id: DLPK0101
Analysis Type: VOA
Quant Type: ISTD
Operator: AD
Method File: \\SANP2007\D\CHEM\MH.I\1010BH.B\8260BHL.m
Misc Info: ,25,,,0,1-8260B.SUB

Calibration Date: 10-OCT-2000
Calibration Time: 20:09
Client Smp ID: H12433
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1101356	550678	2202712	771269	-29.97
56 Chlorobenzene-d5	771394	385697	1542788	568888	-26.25
79 1,4-Dichlorobenze	482116	241058	964232	320547	-33.51

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	7.59	7.09	8.09	7.59	-0.03
56 Chlorobenzene-d5	13.07	12.57	13.57	13.07	-0.02
79 1,4-Dichlorobenze	17.70	17.20	18.20	17.70	-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.

QC Flag Legend

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

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2007\D\chem\mh.I\1010BH.B\H12433.D
Lab Smp Id: DLPK0101 Client Smp ID: H12433
Inj Date : 10-OCT-2000 22:28
Operator : AD Inst ID: mh.i
Smp Info : DLPK0101,,1,,0,1,0,8260BHL.M,H12433
Misc Info : ,25,,,0,1-8260B.SUB
Comment :
Method : \\SANP2007\D\CHEM\MH.I\1010BH.B\8260BHL.m
Meth Date : 10-Oct-2000 21:21 donga Quant Type: ISTD
Cal Date : 04-OCT-2000 23:47 Cal File: HS2163.D
Als bottle: 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

ISTD	RT	AREA	AMOUNT
* 38 Fluorobenzene	7.591	1674708	10.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.614	213014	1.27194819	1.27	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLPK0101
Operator : AD
Sample Location:
Sample Matrix: WATER
Analysis Type: VOA

Client SDG: SDGa46847
Client Smp ID: H12433
Sample Date:
Sample Point:
Date Received:
Level: LOW

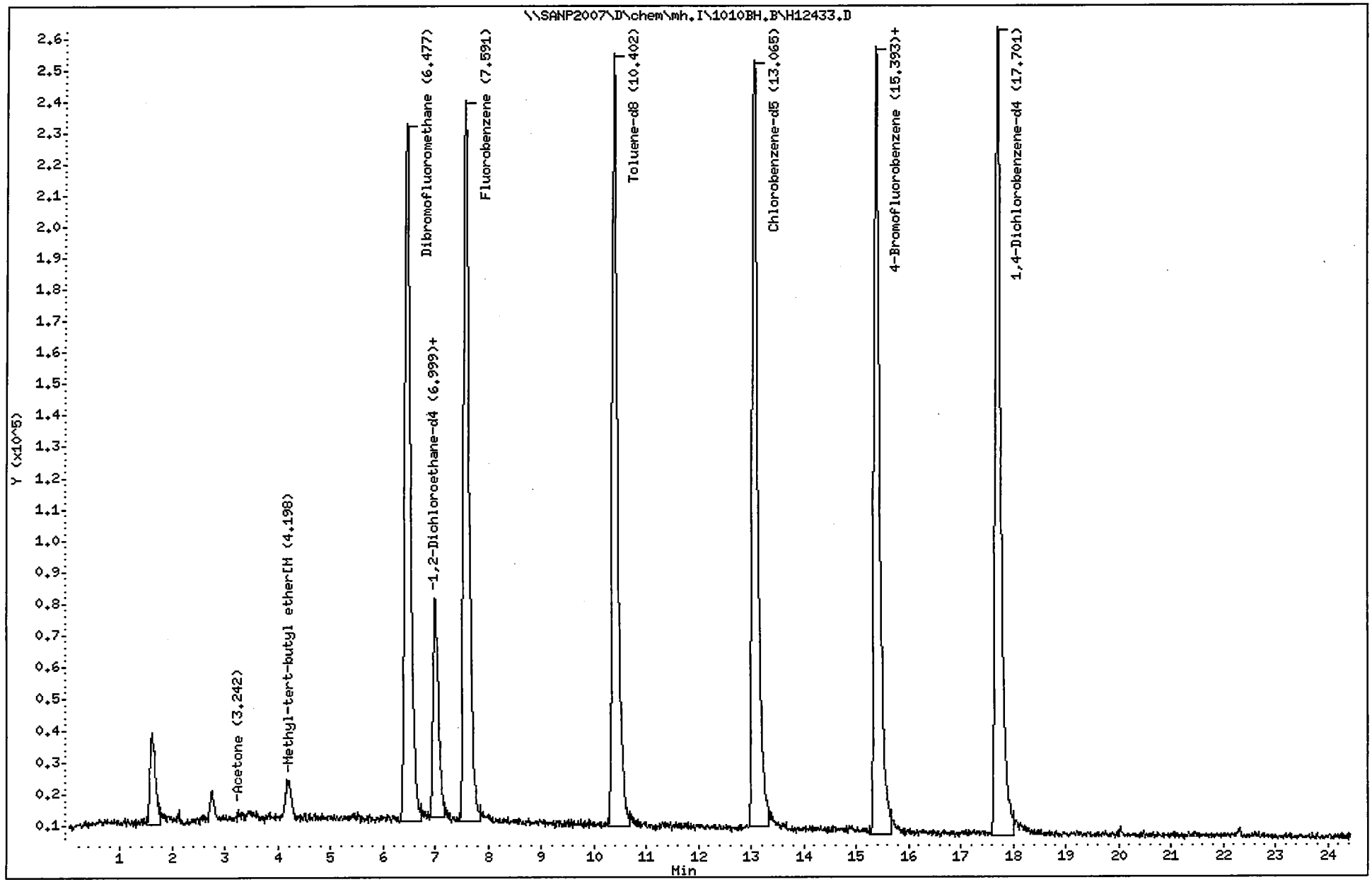
Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	~~Unknown~~ 9 W	1.614	1.27	J

Data File: \\SANP2007\D\chem\mh.I\1010BH.B\H12433.D
Date : 10-OCT-2000 22:28
Client ID: H12433
Sample Info: DLPK0101,,1,,0,1,0,8260BHL.M,H12433
Purge Volume: 25.0
Column phase: J&W DB-624

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



000481

BOE-C6-0170130

Data File: \\SANP2007\D\chem\mh.I\1010BH.B\H12433.D

Date : 10-OCT-2000 22:28

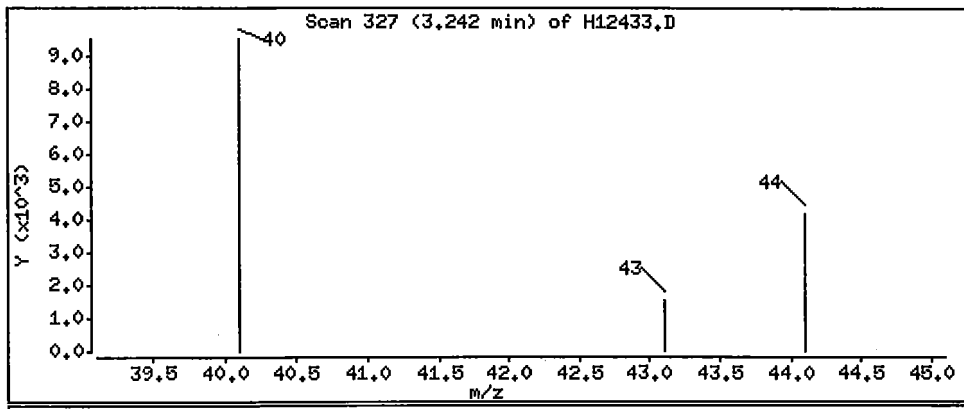
Client ID: H12433 Instrument: mh.i

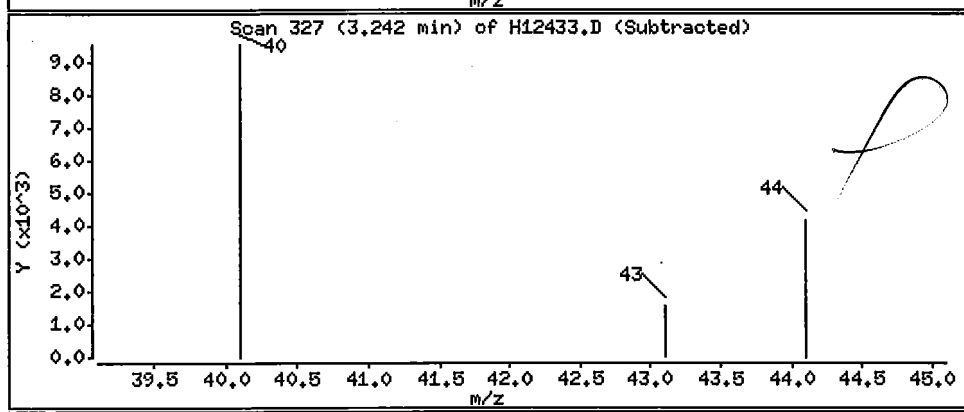
Sample Info: DLPK0101,,1,,0,1,0,8260BHL.M,H12433

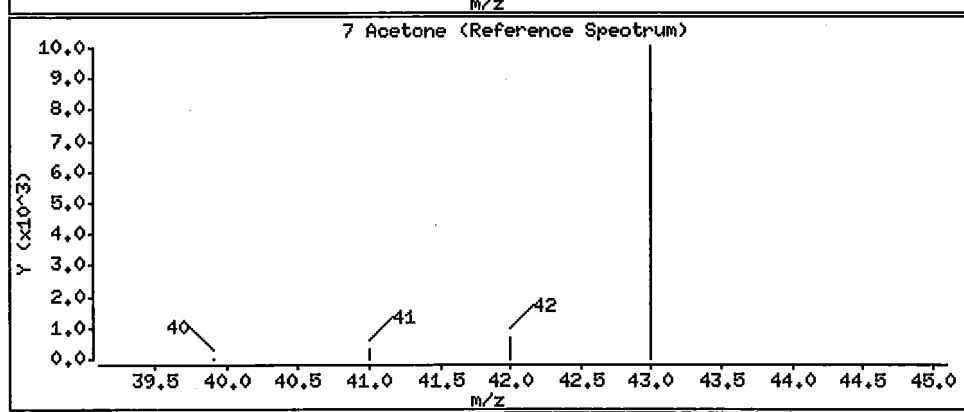
Purge Volume: 25.0 Operator: AD

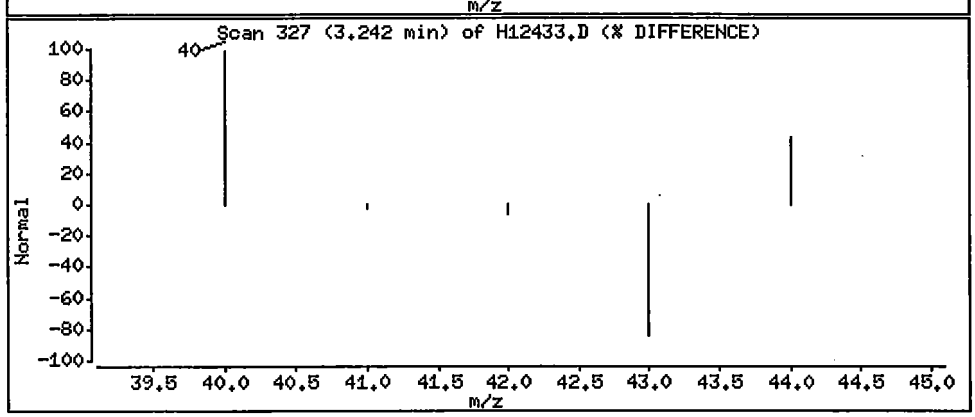
Column phase: J&W DB-624 Column diameter: 0.53

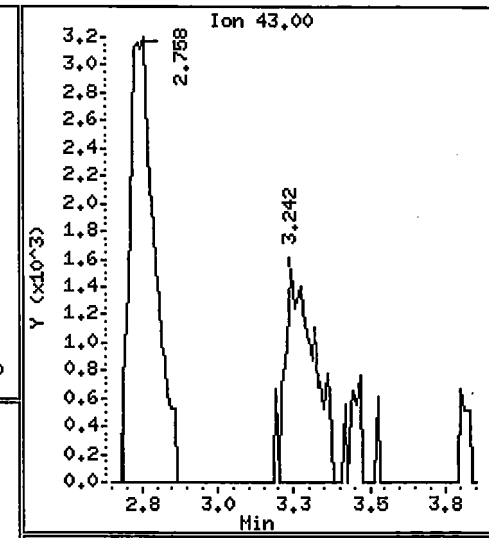
7 Acetone Concentration: 8.22 ug/L

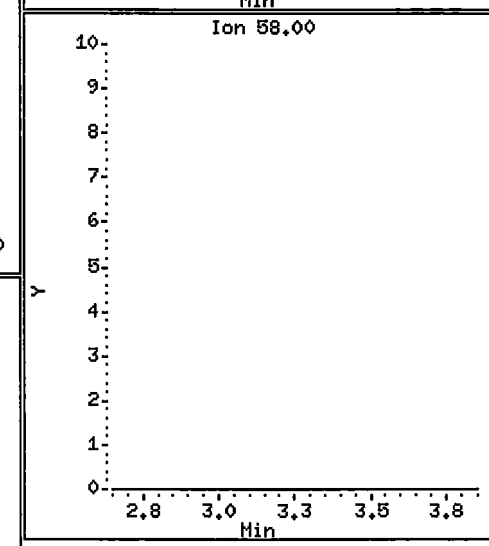












Data File: \\SANP2007\D\chem\mh.I\1010BH.B\H12433.D

Date : 10-OCT-2000 22:28

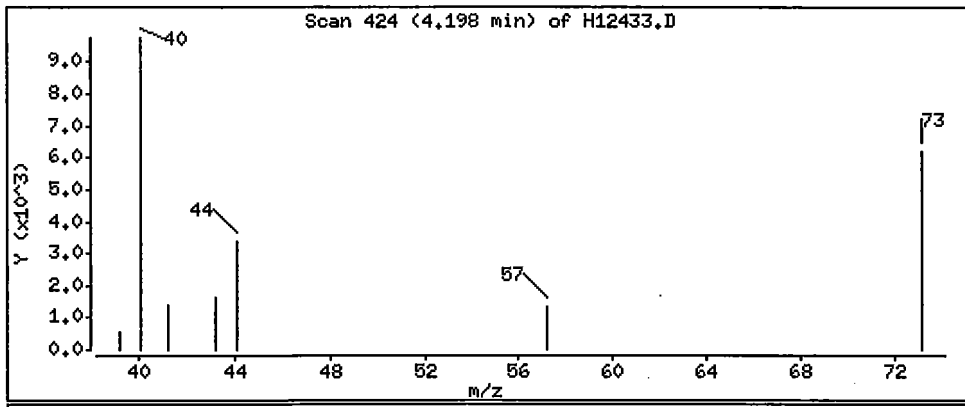
Client ID: H12433 Instrument: mh.i

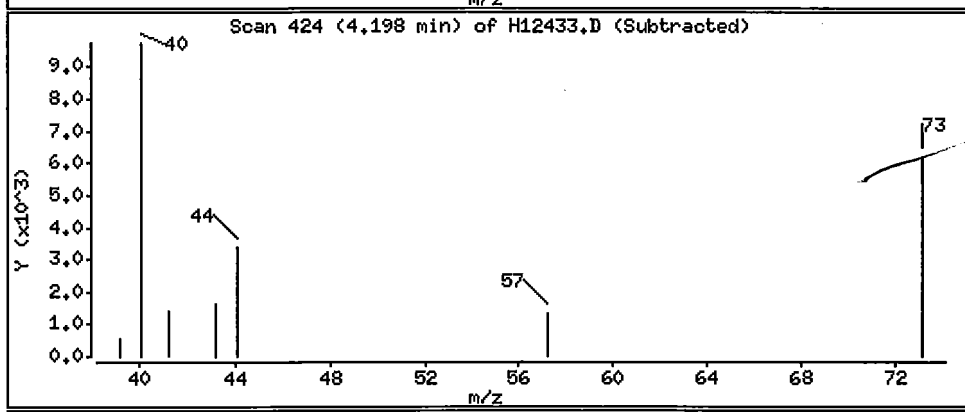
Sample Info: DLPK0101,,1,,0,1,0,8260BHL.M,H12433

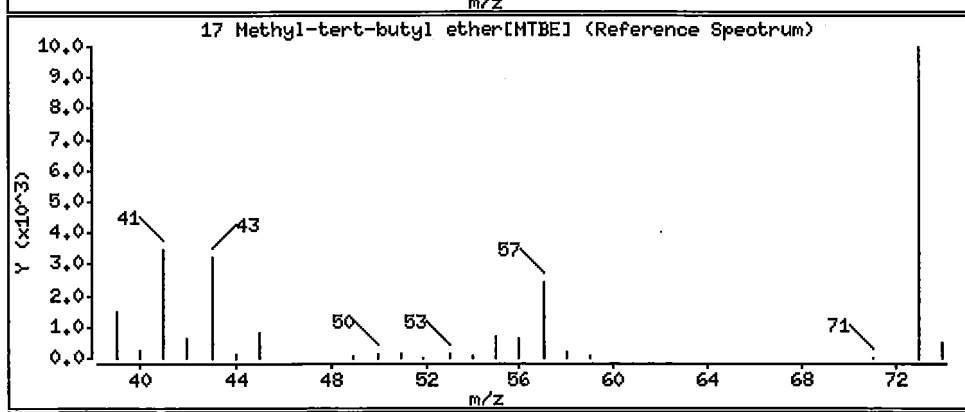
Purge Volume: 25.0 Operator: AD

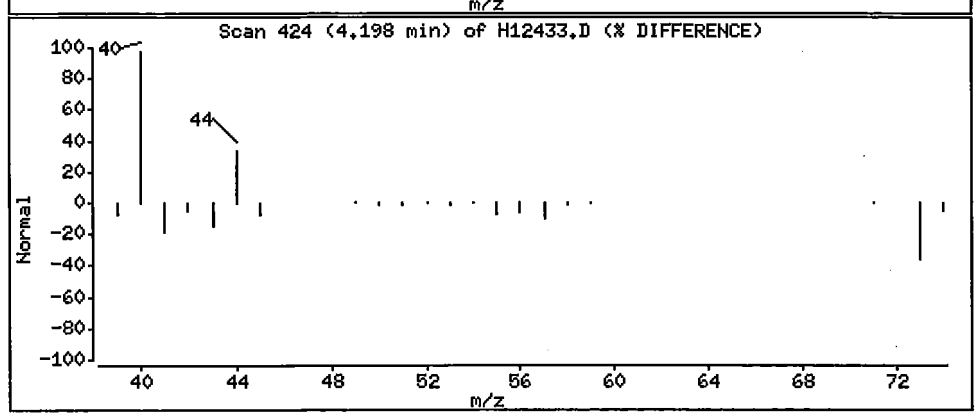
Column phase: J&W DB-624 Column diameter: 0.53

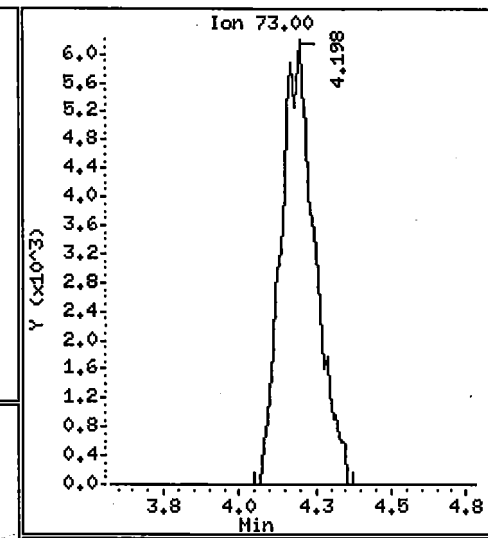
17 Methyl-tert-butyl ether[MTBE] Concentration: 1.75 ug/L

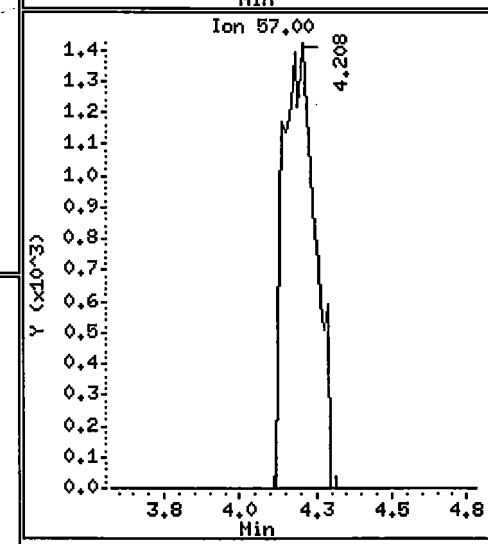












Data File: \\SANP2007\D\chem\mh.I\1010BH.B\H12433.D

Date : 10-OCT-2000 22:28

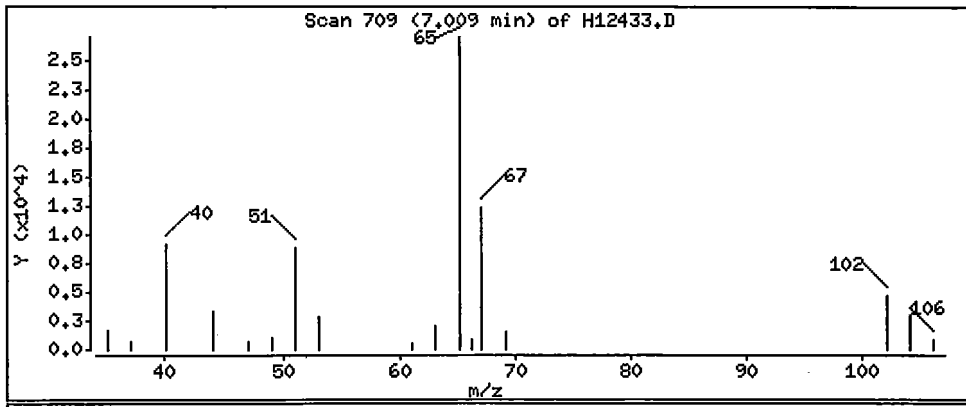
Client ID: H12433 Instrument: mh.i

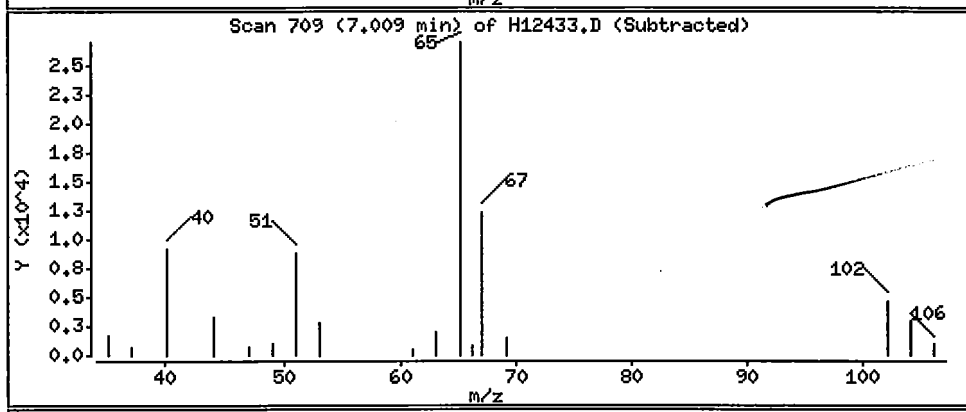
Sample Info: DLPK0101,,1,,0,1,0,8260BHL.M,H12433

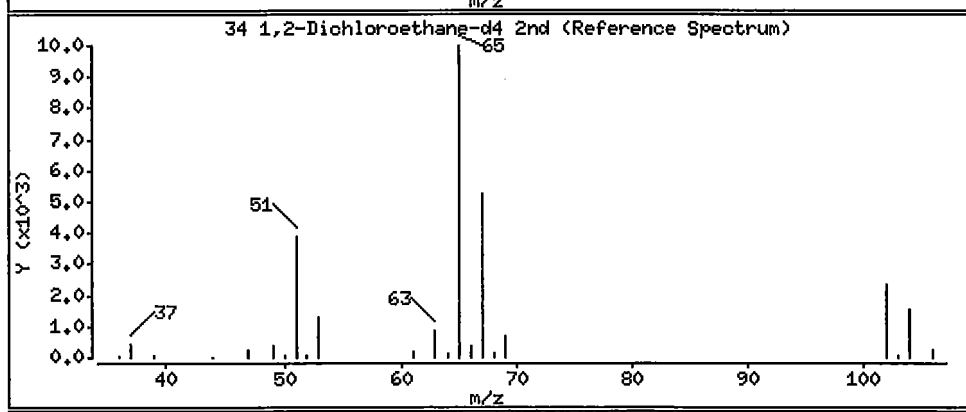
Purge Volume: 25.0 Operator: AD

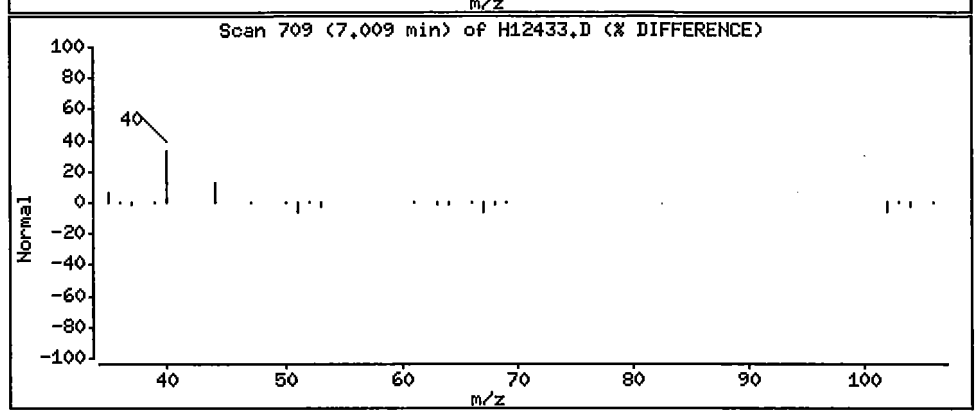
Column phase: J&W DB-624 Column diameter: 0.53

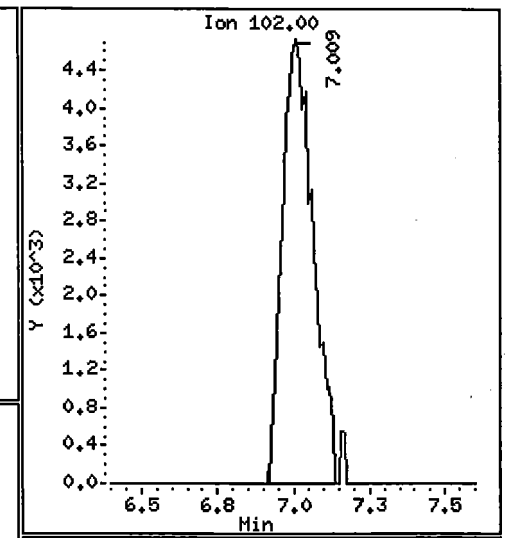
34 1,2-Dichloroethane-d4 2nd Concentration: 10.35 ug/L

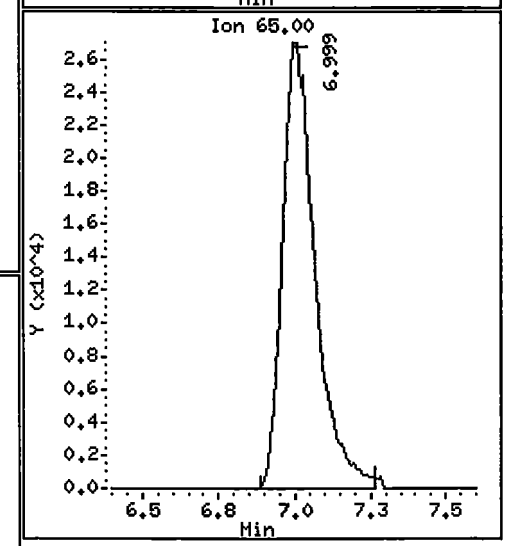












Data File: \\SANP2007\D\chem\mh.I\1010BH.B\H12433.D

Date : 10-OCT-2000 22:28

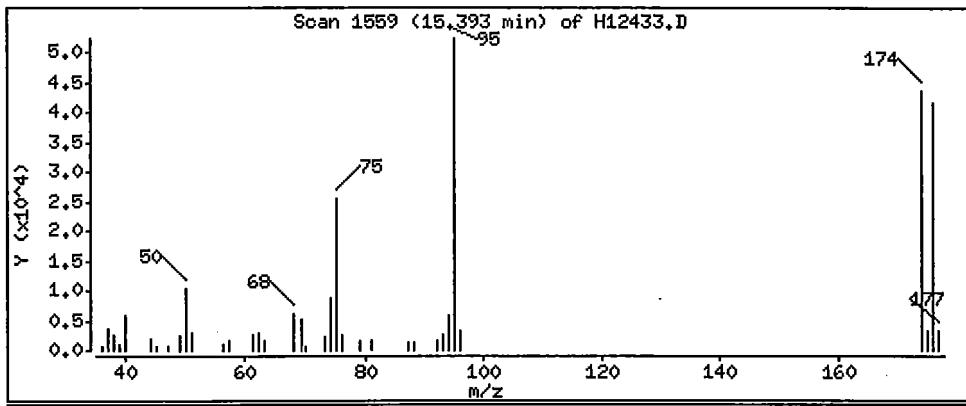
Client ID: H12433 Instrument: mh.i

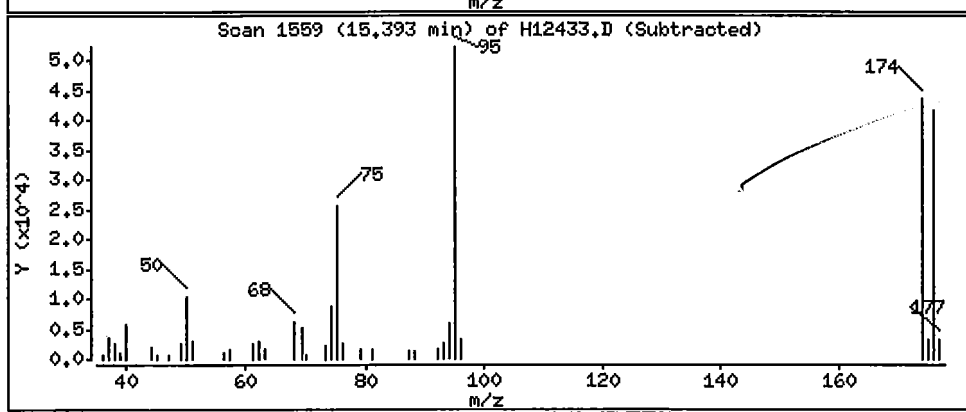
Sample Info: DLPK0101,,1,,0,1,0,8260BHL.M,H12433

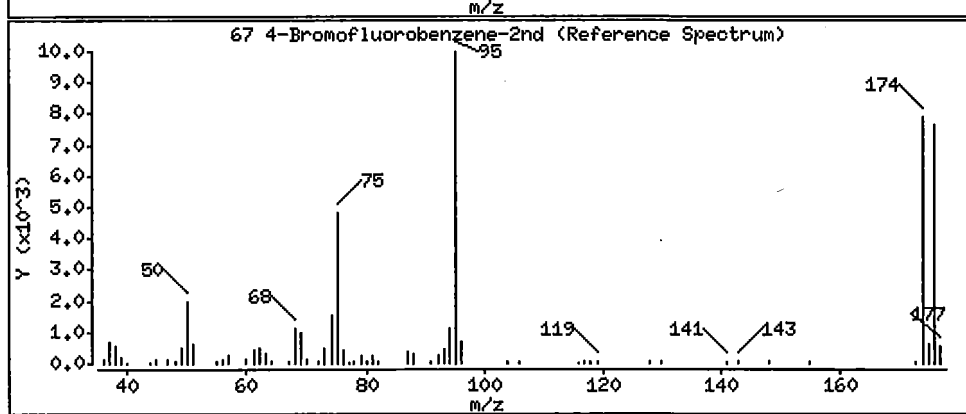
Purge Volume: 25.0 Operator: AD

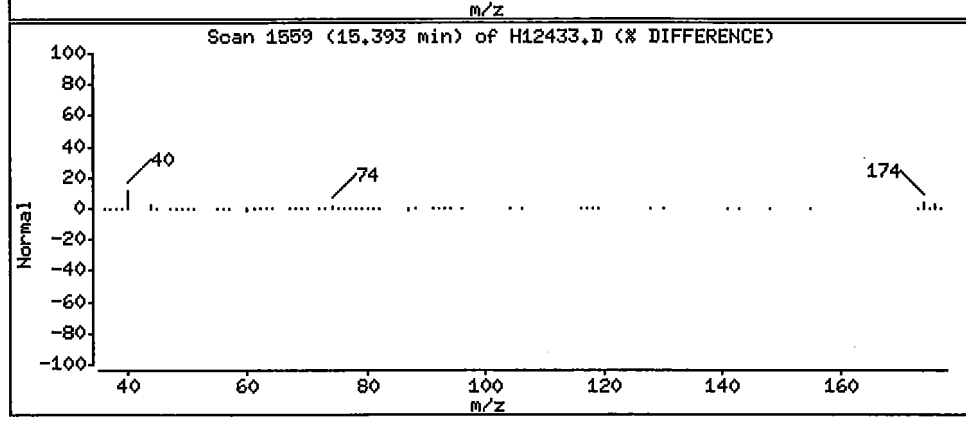
Column phase: J&W DB-624 Column diameter: 0.53

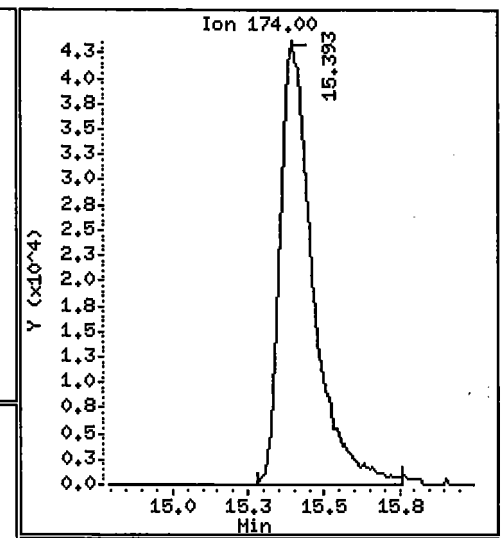
67 4-Bromofluorobenzene-2nd Concentration: 12.67 ug/L

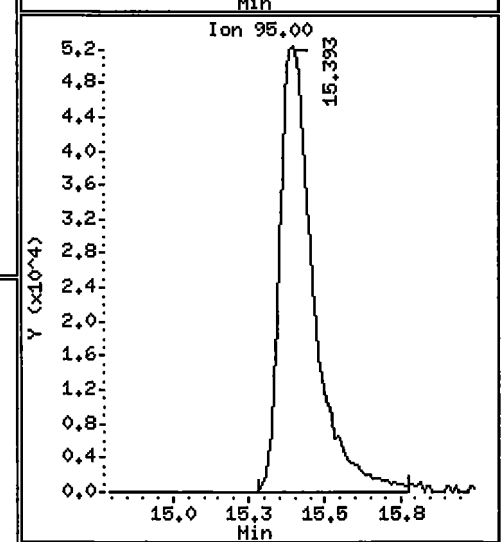


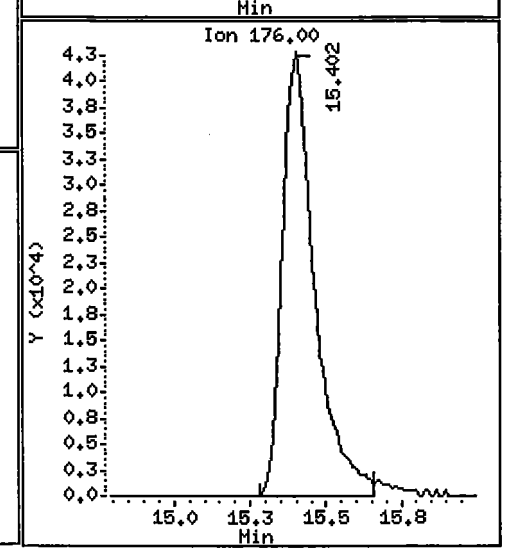












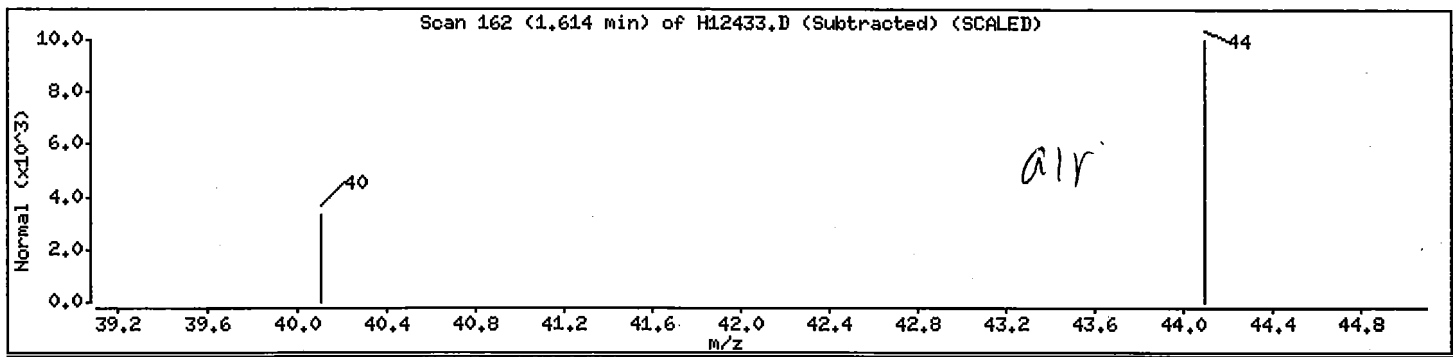
Data File: \\SANP2007\D\chem\mh.I\1010BH.B\H12433.D

Date : 10-OCT-2000 22:28

Client ID: H12433 Instrument: mh.i

Sample Info: DLPK0101,,1,,0,1,0,8260BHL.M,H12433

Purge Volume: 25.0 Operator: AD

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

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0