Extended Raw Data

Level III

Project # EUJ120322

Analysis: 826013

000021

8260B INITIAL CALIBRATION DATA

DATE ANALYZED: 10-13-2011

INSTRUMENT ID: MC

SAMPLES: EO1120322

Batch ID: _____

GC/MS VOA Run Log

FJK 10/18/00

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

Inst. ID: MSC	EM Set: 1647	Tune File: BFB U	Seq File: 101131BC
Init. Cal ID: 826OBLL			Date: 10/13/2000 PM

Inj. Time	Analyst	File ID	Work Order #	AS #	Matrix	Sample Wt/Vol	Dil.	I.S.	Run	Rerun	pH	Comments
16:44	AD	CT1204	50ng BFB			1µ			✓			MSV0021198-1
17:00		CS2044	.5 ppb 826013	1	L	5m	1.0	165	✓			E1254-1; S1254-2; SPD1257-2
17:30		CS2045	1 ppb 826013	2				163	✓			
18:00		CS2046	5 ppb 826013	3				161	✓			
18:30		CS2047	10 ppb 826013	4				161	✓			
19:00		CS2048	50 ppb 826013	5				157	✓			
19:30		CS2049	100 ppb 826013	6				132	✓			
20:00		C09780	MB-1013BC	7				52	✓			
20:31		81	LCS-1013BC	1				160	✓			
21:07		82	MB-1013BC	7				166	✓			SECOND SOURCE 0C123-1
21:40		83	DLP6C101	7				169	✓		2	
22:10		84	DLM48G01	8				151	✓			EOJ060287-2
22:40		85	DLTAM101	9				157	✓			EOJ130279-1
23:10		86	DLTDP101	10				149	✓			EOJ090226-1
23:40		87	DLTDK101	11				141	✓			-21
0:10		88	DM1A91AA	12				152	✓			EOJ090227-27
0:40		89	DM1CC1AA	13				137	✓			EOJ110284-29
1:10		90	DM1DN1AA	14				157	✓			-30
1:40		91	DM1EK1AA	15				142	✓			EOJ110292-1
2:10		92	DLP6C102MS	16				158	✓			-13
2:40		93	DLP6C103MSD	1				158	✓			EOJ060287-2MS
3:10		94	DLTDP102MS	2				159	✓			-2MSD
3:40		C097 95	DLTDP103MD	3				90	✓	✓		EOJ090226-21MS
				4								21MSD

000023

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

10-16-00

Version 01/04/99

BOE-C6-0172045

STL Los Angeles

INITIAL CALIBRATION DATA

Start Cal Date : 13-OCT-2000 17:00
End Cal Date : 13-OCT-2000 19:30
Quant Method : ISTD
Origin : Disabled
Target Version : 4.00
Integrator : HP RTE
Method file : \\SANP2010\D\chem\mc.i\1013BC.B\8260BCL.M
Cal Date : 13-Oct-2000 21:20 DONGA
Curve Type : Average

Calibration File Names:
Level 1: \\SANP2010\D\chem\mc.i\1013BC.B\CS2045.D
Level 2: \\SANP2010\D\chem\mc.i\1013BC.B\CS2046.D
Level 3: \\SANP2010\D\chem\mc.i\1013BC.B\CS2047.D
Level 4: \\SANP2010\D\chem\mc.i\1013BC.B\CS2048.D
Level 5: \\SANP2010\D\chem\mc.i\1013BC.B\CS2049.D
Level 6: \\SANP2010\D\chem\mc.i\1013BC.B\CS2044.D

AM 10/12/2000
10-16-00

	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	
	1 Dichlorodifluoromethane	0.49651	0.48912	0.47578	0.45591	0.47329	+++++	0.47812	3.276	
	2 Chloromethane (**)	0.18600	0.17411	0.18335	0.16076	0.18682	+++++	0.17821	6.163	
	3 Vinyl chloride (*)	+++++	0.22088	0.21270	0.21093	0.22309	0.19687	0.21289	4.861	
	4 Bromomethane	0.22311	0.20660	0.21315	0.24098	0.24160	+++++	0.22509	7.071	
	5 Chloroethane	0.14179	0.14651	0.14745	0.12882	0.12350	+++++	0.13761	7.876	
	6 Trichlorofluoromethane	0.80921	0.81289	0.79698	0.76808	0.78705	+++++	0.79484	2.280	
	7 Acrolein	0.01686	0.01748	0.01710	0.01680	0.01861	+++++	0.01737	4.279	
	8 1,1-Dichloroethene(*)	0.29792	0.28106	0.28711	0.27355	0.29140	+++++	0.28621	3.277	
	9 1,1,2-Trichlorotrifluoroethan	0.49456	0.49171	0.47858	0.45078	0.46830	+++++	0.47679	3.767	
	10 Iodomethane	0.40952	0.55430	0.59744	0.55758	0.44005	+++++	0.51178	16.008	
	11 Acetone	0.03105	0.02318	0.02146	0.01628	0.01273	+++++	0.02094	33.489	<-
	12 Carbon disulfide	0.49939	0.55069	0.57489	0.62189	0.58818	+++++	0.56701	8.063	
	13 Methylene chloride	0.23369	0.23501	0.23667	0.22469	0.20870	+++++	0.22775	5.100	
	14 Acrylonitrile	0.00219	0.00345	0.00313	0.00311	0.00260	+++++	0.00290	17.167	<-
	15 t-Butanol	0.00609	0.00567	0.00526	0.00528	0.00382	+++++	0.00522	16.396	<-
	16 Vinyl acetate	0.29434	0.31153	0.30140	0.31021	0.28663	+++++	0.30083	3.512	
	17 trans-1,2-Dichloroethene	0.32296	0.33322	0.32759	0.31772	0.33545	+++++	0.32739	2.225	
	18 Methyl-tert-butyl ether(MTBE)	0.31209	0.30527	0.30191	0.28780	0.22510	+++++	0.28643	12.363	
	19 1,1-Dichloroethane (**)	0.51383	0.53312	0.52212	0.52051	0.53548	+++++	0.52501	1.728	
	20 Isopropyl ether	0.72858	0.71568	0.70437	0.68798	0.66076	+++++	0.69947	3.759	
	21 Tert-butyl ethyl ether	0.56493	0.57977	0.57953	0.56445	0.51679	+++++	0.56109	4.611	
M	22 1,2-Dichloroethene (total)	0.29368	0.32798	0.32779	0.31644	0.32045	+++++	0.31727	4.438	
	23 2,2-Dichloropropane	0.16802	0.24897	0.28426	0.43256	0.45558	+++++	0.31788	38.673	<-
	24 cis-1,2-Dichloroethene	0.26439	0.32274	0.32799	0.31517	0.30545	+++++	0.30715	8.257	
	25 2-Butanone	0.03018	0.02554	0.02285	0.02198	0.01773	+++++	0.02365	19.452	

STL Los Angeles

INITIAL CALIBRATION DATA

Start Cal Date : 13-OCT-2000 17:00
End Cal Date : 13-OCT-2000 19:30
Quant Method : ISTD
Origin : Disabled
Target Version : 4.00
Integrator : HP RTE
Method file : \\SANP2010\D\chem\mc.i\1013BC.B\8260BCL.M
Cal Date : 13-Oct-2000 21:20 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	
	26 Bromochloromethane	0.16248	0.16239	0.15663	0.14748	0.11376	+++++	0.14855	13.724	
	27 Tetrahydrofuran	0.00568	0.01326	0.01510	0.01421	0.01114	+++++	0.01188	31.711	<-
	28 Chloroform (*)	0.80274	0.79476	0.77308	0.74870	0.69296	+++++	0.76245	5.791	
	30 1,1,1-Trichloroethane	0.70831	0.74660	0.75846	0.75013	0.74202	+++++	0.74110	2.604	
	31 Carbon Tetrachloride	+++++	0.71493	0.74104	0.73773	0.72805	0.55470	0.69529	11.398	
	32 1,1-Dichloropropene	0.58222	0.58268	0.57319	0.55465	0.56024	+++++	0.57059	2.233	
	34 1,2-Dichloroethane-d4 2nd	0.04398	0.04856	0.04657	0.04536	0.03568	+++++	0.04403	11.271	
	35 Benzene	0.80780	0.82182	0.81915	0.77812	0.74533	+++++	0.79444	4.087	
	36 1,2-Dichloroethane	+++++	0.35244	0.33705	0.31499	0.25543	0.34468	0.32092	12.211	
	37 Tert-amyl methyl ether	0.42944	0.42620	0.40970	0.41156	0.33946	+++++	0.40327	9.105	
	39 Trichloroethene	0.52815	0.51592	0.50277	0.48801	0.48149	+++++	0.50327	3.831	
	40 1,2-Dichloropropane(*)	0.28774	0.28430	0.28608	0.27461	0.24423	+++++	0.27539	6.591	
	41 Dibromomethane	0.19885	0.20865	0.20724	0.18947	0.13662	+++++	0.18816	15.847	
	42 Bromodichloromethane	0.49216	0.57162	0.58614	0.59751	0.49967	+++++	0.54942	9.058	
	43 2-Chloroethylvinyl ether	+++++	0.00423	0.00503	0.00653	0.00362	+++++	0.00485	25.961	<-
	44 1-Bromo-2-chloroethane	0.24861	0.26164	0.27206	0.28149	0.21454	+++++	0.25567	10.186	
	45 cis-1,3-Dichloropropene	+++++	0.31885	0.33707	0.36203	0.30824	0.22437	0.31011	16.797	
	46 4-Methyl-2-pentanone	0.06595	0.07222	0.07387	0.07007	0.05636	+++++	0.06770	10.333	
	48 Toluene (*)	1.38482	1.42173	1.41791	1.35924	1.38923	+++++	1.39458	1.847	
	49 trans-1,3-Dichloropropene	+++++	0.27269	0.28882	0.33405	0.29669	0.18257	0.27496	20.491	
	50 1,1,2-Trichloroethane	0.24555	0.24456	0.24778	0.23277	0.19897	+++++	0.23393	8.718	
	51 Tetrachloroethene	0.74859	0.75306	0.73460	0.68926	0.71727	+++++	0.72855	3.573	
	52 1,3-Dichloropropane	0.39028	0.39103	0.39896	0.37596	0.32363	+++++	0.37597	8.089	
	53 2-Hexanone	0.08632	0.06126	0.06524	0.06513	0.05362	+++++	0.06631	18.303	
	54 Dibromochloromethane	0.40195	0.48973	0.53259	0.55850	0.49047	+++++	0.49465	12.024	
	55 1,2-Dibromoethane	0.30346	0.32936	0.33945	0.33065	0.28140	+++++	0.31686	7.557	
	57 Chlorobenzene (**)	1.08512	1.10768	1.08767	1.05573	1.02377	+++++	1.07199	3.052	
	58 1,1,1,2-Tetrachloroethane	0.49575	0.55588	0.56949	0.55382	0.51429	+++++	0.53784	5.812	
	59 Ethylbenzene (*)	0.53678	0.53057	0.53365	0.50952	0.53624	+++++	0.52935	2.145	
	60 m,p-Xylenes	0.65367	0.66826	0.66882	0.63135	0.63643	+++++	0.65171	2.678	
M	61 Xylenes (total)	0.63945	0.65324	0.64800	0.61571	0.61753	+++++	0.63479	2.727	
	62 o-Xylene	0.61100	0.62321	0.60638	0.58443	0.57971	+++++	0.60095	3.057	
	63 Styrene	0.85728	0.91567	0.91995	0.87813	0.82064	+++++	0.87833	4.728	

STL Los Angeles

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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	
64 Bromoform (**)	0.19290	0.26492	0.29249	0.32388	0.28250	+++++	0.27134	17.985	
65 Isopropylbenzene	2.05959	2.14926	2.13729	2.00208	2.13483	+++++	2.09661	3.035	
67 4-Bromofluorobenzene-2nd	0.67813	0.66370	0.65612	0.55201	0.51027	+++++	0.61205	12.373	
68 Bromobenzene	0.94529	0.92107	0.95433	0.97692	0.99264	+++++	0.95805	2.904	
69 1,1,2,2-Tetrachloroethane(**)	0.46735	0.44798	0.46776	0.47733	0.43752	+++++	0.45959	3.548	
70 1,2,3-Trichloropropane	0.11090	0.12127	0.12831	0.12960	0.11728	+++++	0.12147	6.407	
71 n-Propylbenzene	3.57614	3.92424	3.97675	4.14361	4.69307	+++++	4.06276	10.053	
72 2-Chlorotoluene	0.81673	0.79867	0.79228	0.79732	0.85978	+++++	0.81296	3.415	
73 4-Chlorotoluene	0.73369	0.79770	0.79761	0.79448	0.83163	+++++	0.79102	4.486	
74 1,3,5-Trimethylbenzene	2.80071	2.77688	2.74623	2.77804	3.08201	+++++	2.83677	4.881	
75 tert-Butylbenzene	2.97631	3.01819	3.05441	3.08194	3.47642	+++++	3.12145	6.483	
76 1,2,4-Trimethylbenzene	2.70331	2.73289	2.74400	2.72471	2.99103	+++++	2.77919	4.295	
77 sec-Butylbenzene	4.00106	4.02006	4.01515	4.05092	4.72902	+++++	4.16324	7.609	
78 1,3-Dichlorobenzene	1.68534	1.71342	1.67732	1.70132	1.75687	+++++	1.70685	1.832	
80 p-Isopropyltoluene	3.45055	3.43751	3.38603	3.33973	3.71814	+++++	3.46639	4.254	
81 1,4-Dichlorobenzene	1.86500	1.70800	1.73562	1.67203	1.62949	+++++	1.72203	5.185	
82 1,2-Dichlorobenzene	1.39482	1.40406	1.35719	1.38131	1.35502	+++++	1.37848	1.595	
83 n-Butylbenzene	3.27005	3.32819	3.36417	3.36537	3.82423	+++++	3.43040	6.516	
84 1,2-Dibromo-3-chloropropane	0.04309	0.08498	0.09733	0.11561	0.10661	+++++	0.08952	31.644	<-
85 1,2,4-Trichlorobenzene	1.17749	1.21916	1.28077	1.33682	1.32355	+++++	1.26756	5.374	
86 Hexachlorobutadiene	1.60768	1.69716	1.71683	1.68878	1.90892	+++++	1.72387	6.469	
87 Napthalene	0.69860	0.77422	0.87364	0.89743	0.76811	+++++	0.80240	10.211	
88 1,2,3-Trichlorobenzene	0.97684	0.97289	0.96721	0.98031	0.92103	+++++	0.96366	2.524	
$ 29 Dibromofluoromethane	0.59139	0.56739	0.54919	0.51711	0.44416	+++++	0.53385	10.677	
$ 33 1,2-Dichloroethane-d4	0.28092	0.26466	0.26396	0.24358	0.19544	+++++	0.24971	13.257	
$ 47 Toluene-d8	1.15639	1.09578	1.09375	1.04503	1.03958	+++++	1.08611	4.354	
$ 66 4-Bromofluorobenzene	0.78314	0.78619	0.77187	0.66377	0.60894	+++++	0.72278	11.265	

Data File: \\SANP2010\D\chem\mc.i\1013BC.B/CS2049.D
Report Date: 10/13/2000

INITIAL CALIBRATION REPORT

Instrument ID: mc.i
Lab File ID: CS2049.D
Analysis Type: WATER

Injection Date: 13-OCT-2000 19:30
Lab Sample ID: 100PPB 8260BSTD
Method File: \\SANP2010\D\chem\mc.i\1013BC.B\8260BCL

COMPOUND	%RSD
Dichlorodifluoromethane	3.3
Chloromethane (**)	6.2
Vinyl chloride (*)	4.9
Bromomethane	7.1
Chloroethane	7.9
Trichlorofluoromethane	2.3
1,1-Dichloroethene(*)	3.3
1,1,2-Trichlorotrifluoroethan	3.8
Acetone	33.5
Iodomethane	16.0
Carbon disulfide	8.1
Methylene chloride	5.1
t-Butanol	16.4
trans-1,2-Dichloroethene	2.2
Methyl-tert-butyl ether[MTBE]	12.4
Acrolein	4.3
1,1-Dichloroethane (**)	1.7
Vinyl acetate	3.5
Isopropyl ether	3.8
1,2-Dichloroethene (total)	4.4
Tert-butyl ethyl ether	4.6
cis-1,2-Dichloroethene	8.3
2,2-Dichloropropane	38.7
2-Butanone	19.5
Bromochloromethane	13.7
Tetrahydrofuran	31.7
Chloroform (*)	5.8
Dibromofluoromethane	10.7
1,1,1-Trichloroethane	2.6
1,1-Dichloropropene	2.2
Carbon Tetrachloride	11.4
Acrylonitrile	17.2
1,2-Dichloroethane-d4 2nd	11.3
1,2-Dichloroethane-d4	13.3
Benzene	4.1
1,2-Dichloroethane	12.2
Tert-amyl methyl ether	9.1
Trichloroethene	3.8
1,2-Dichloropropane(*)	6.6

Data File: \\SANP2010\D\chem\mc.i\1013BC.B/CS2049.D
Report Date: 10/13/2000

INITIAL CALIBRATION REPORT

Instrument ID: mc.i
Lab File ID: CS2049.D
Analysis Type: WATER

Injection Date: 13-OCT-2000 19:30
Lab Sample ID: 100PPB 8260BSTD
Method File: \\SANP2010\D\chem\mc.i\1013BC.B\

COMPOUND	%RSD
Dibromomethane	15.8
Bromodichloromethane	9.1
1-Bromo-2-chloroethane	10.2
2-Chloroethylvinyl ether	26.0
cis-1,3-Dichloropropene	16.8
4-Methyl-2-pentanone	10.3
Toluene-d8	4.4
Toluene (*)	1.8
trans-1,3-Dichloropropene	20.5
1,1,2-Trichloroethane	8.7
Tetrachloroethene	3.6
1,3-Dichloropropane	8.1
2-Hexanone	18.3
Dibromochloromethane	12.0
1,2-Dibromoethane	7.6
Chlorobenzene (**)	3.1
1,1,1,2-Tetrachloroethane	5.8
Ethylbenzene (*)	2.1
Xylenes (total)	2.7
m,p-Xylenes	2.7
o-Xylene	3.1
Styrene	4.7
Bromoform (**)	18.0
Isopropylbenzene	3.0
4-Bromofluorobenzene	11.3
4-Bromofluorobenzene-2nd	12.4
Bromobenzene	2.9
1,1,2,2-Tetrachloroethane(**)	3.5
1,2,3-Trichloropropane	6.4
n-Propylbenzene	10.1
2-Chlorotoluene	3.4
4-Chlorotoluene	4.5
1,3,5-Trimethylbenzene	4.9
tert-Butylbenzene	6.5
1,2,4-Trimethylbenzene	4.3
sec-Butylbenzene	7.6
1,3-Dichlorobenzene	1.8
p-Isopropyltoluene	4.3
1,4-Dichlorobenzene	5.2

Data File: \\SANP2010\D\chem\mc.i\1013BC.B/CS2049.D
Report Date: 10/13/2000

INITIAL CALIBRATION REPORT

Instrument ID: mc.i
Lab File ID: CS2049.D
Analysis Type: WATER

Injection Date: 13-OCT-2000 19:30
Lab Sample ID: 100PPB 8260BSTD
Method File: \\SANP2010\D\chem\mc.i\1013BC.B\

COMPOUND	%RSD
1,2-Dichlorobenzene	1.6
n-Butylbenzene	6.5
1,2-Dibromo-3-chloropropane	31.6
1,2,4-Trichlorobenzene	5.4
Hexachlorobutadiene	6.5
Napthalene	10.2
1,2,3-Trichlorobenzene	2.5

The average of all %RSD's in the initial calibration is 8.8

MM 10/13/2000
10-16-00

STL Los Angeles

Data file : \\SANP2010\D\chem\mc.i\1013BC.B\CT1204.D
Lab Smp Id:
Inj Date : 13-OCT-2000 16:44
Operator : AD Inst ID: mc.i
Smp Info : 50NG BFB,BFB,,,,,,BFB.M
Misc Info : 1UL;MSVOA1198-2,,,,3,ALL.SUB
Comment :
Method : \\SANP2010\D\chem\mc.i\1013BC.B\BFB.M
Meth Date : 23-May-2000 08:08 kentf 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

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 p-Bromofluorobenzene						CAS #: 460-00-4		
2.1451	2.1000	(0.000)	95	81802			0.00- 100.00	100.00
2.1451	2.1000	(0.000)	50	19304			15.00- 40.00	23.60
2.1451	2.1000	(0.000)	75	42832			30.00- 60.00	52.36
2.1451	2.1000	(0.000)	96	6113			5.00- 9.00	7.47
2.1451	2.1000	(0.000)	173	0			0.00- 2.00	0.00
2.1451	2.1000	(0.000)	174	70997			50.00- 0.00	86.79
2.1451	2.1000	(0.000)	175	5608			5.00- 9.00	7.90
2.1451	2.1000	(0.000)	176	69992			95.00- 101.00	98.58
2.1451	2.1000	(0.000)	177	4761			5.00- 9.00	6.80

AM 10/13/2000
10-16-00

Data File: \\SANP2010\D\chem\mc.i\1013BC.B\CT1204.D

Date : 13-OCT-2000 16:44

Client ID:

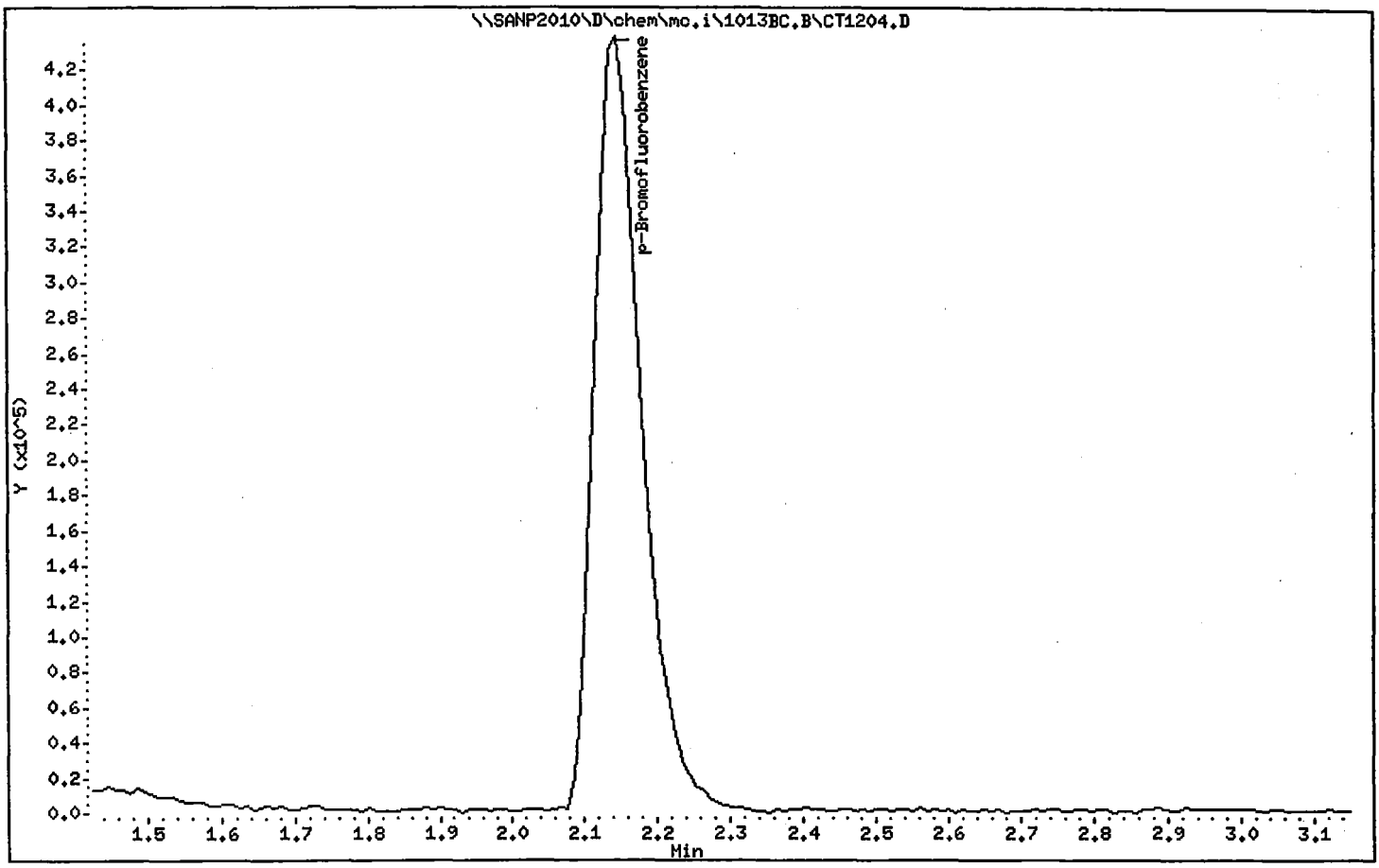
Instrument: mc.i

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

Operator: AD

Column phase: J&W DB-624

Column diameter: 0.53



Data File: \\SANP2010\D\chem\mo.i\1013BC.B\CT1204.D

Date : 13-OCT-2000 16:44

Client ID:

Instrument: mo.i

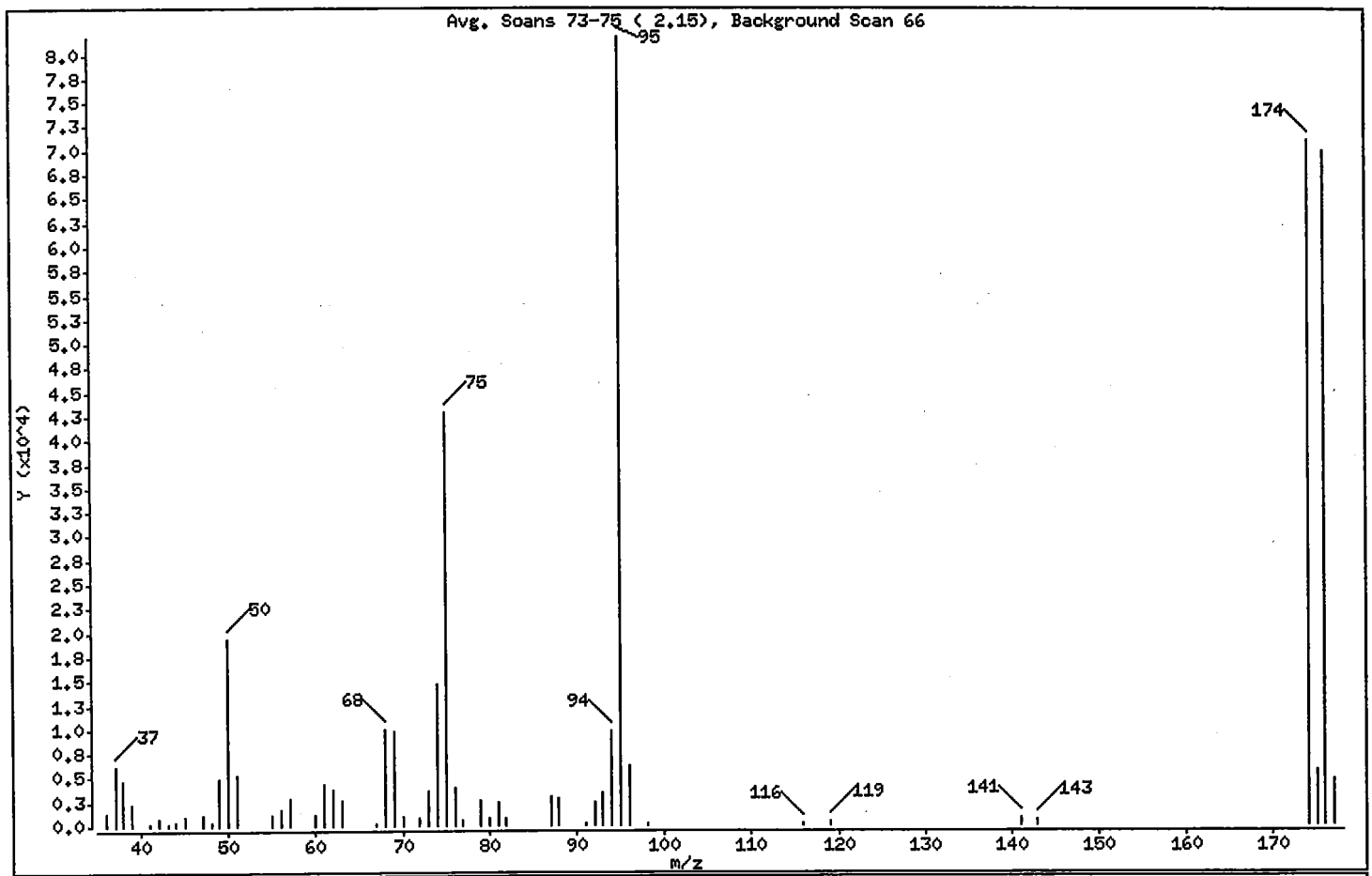
Sample Info: 50NG BFB,BFB,,,,,,BFB.M

Operator: AD

Column phase: J&W DB-624

Column diameter: 0.53

1 p-Bromofluorobenzene



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	23.60
75	30.00 - 60.00% of mass 95	52.36
96	5.00 - 9.00% of mass 95	7.47
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	86.79
175	5.00 - 9.00% of mass 174	6.86 (7.90)
176	95.00 - 101.00% of mass 174	85.56 (98.58)
177	5.00 - 9.00% of mass 176	5.82 (6.80)

Data File: \\SANP2010\D\chem\mo.i\1013BC.B\CT1204.D

Date : 13-OCT-2000 16:44

Client ID:

Instrument: mo.i

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

Operator: AD

Column phase: J&W DB-624

Column diameter: 0.53

Data File: CT1204.D
Spectrum: Avg. Scans 73-75 (2.15), Background Scan 66
Location of Maximum: 95.00
Number of points: 52

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1303	55.00	1201	75.00	42832	96.00	6113
37.00	6152	56.00	1614	76.00	3943	98.00	192
38.00	4611	57.00	2913	77.00	618	116.00	204
39.00	2188	60.00	1051	79.00	2659	119.00	375
41.00	190	61.00	4355	80.00	793	141.00	707
42.00	731	62.00	3845	81.00	2466	143.00	598
43.00	173	63.00	2592	82.00	715	174.00	70992
44.00	325	67.00	171	87.00	2946	175.00	5608
45.00	1021	68.00	9886	88.00	2816	176.00	69992
47.00	1175	69.00	9757	91.00	252	177.00	4761
48.00	394	70.00	912	92.00	2403		
49.00	4956	72.00	718	93.00	3349		
50.00	19304	73.00	3613	94.00	9815		
51.00	5314	74.00	14592	95.00	81800		

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mc.i
Lab File ID: CS2044.D
Lab Smp Id: 0.5PPB 8260BSTD
Analysis Type: VOA
Quant Type: ISTD
Operator: AD
Method File: \\SANP2010\D\chem\mc.i\1013BC.B\8260BCL.m
Misc Info: ,25,,,1,1-8260B.SUB

Calibration Date: 13-OCT-2000
Calibration Time: 18:30

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1611523	805762	3223046	1659284	2.96
56 Chlorobenzene-d5	1211181	605591	2422362	1212914	0.14
79 1,4-Dichlorobenze	758273	379137	1516546	733740	-3.24

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	8.02	7.52	8.52	8.02	0.05
56 Chlorobenzene-d5	13.49	12.99	13.99	13.50	0.10
79 1,4-Dichlorobenze	18.11	17.61	18.61	18.13	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: mc.i
Lab File ID: CS2045.D
Lab Smp Id: 1PPB 8260BSTD
Analysis Type: VOA
Quant Type: ISTD
Operator: AD
Method File: \\SANP2010\D\chem\mc.i\1013BC.B\8260BCL.m
Misc Info: ,25,,,1,1-8260B.SUB

Calibration Date: 13-OCT-2000
Calibration Time: 18:30

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1611523	805762	3223046	1638508	1.67
56 Chlorobenzene-d5	1211181	605591	2422362	1235021	1.97
79 1,4-Dichlorobenze	758273	379137	1516546	763117	0.64

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	8.02	7.52	8.52	8.03	0.12
56 Chlorobenzene-d5	13.49	12.99	13.99	13.49	-0.00
79 1,4-Dichlorobenze	18.11	17.61	18.61	18.12	0.05

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: mc.i
Lab File ID: CS2046.D
Lab Smp Id: 5PPB 8260BSTD
Analysis Type: VOA
Quant Type: ISTD
Operator: AD
Method File: \\SANP2010\D\chem\mc.i\1013BC.B\8260BCL.m
Misc Info: ,25,,,1,1-8260B.SUB

Calibration Date: 13-OCT-2000
Calibration Time: 18:30

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1611523	805762	3223046	1613881	0.15
56 Chlorobenzene-d5	1211181	605591	2422362	1216119	0.41
79 1,4-Dichlorobenze	758273	379137	1516546	775010	2.21

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	8.02	7.52	8.52	8.02	0.00
56 Chlorobenzene-d5	13.49	12.99	13.99	13.48	-0.07
79 1,4-Dichlorobenze	18.11	17.61	18.61	18.12	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

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mc.i
Lab File ID: CS2047.D
Lab Smp Id: 10PPB 8260BSTD
Analysis Type: VOA
Quant Type: ISTD
Operator: AD
Method File: \\SANP2010\D\chem\mc.i\1013BC.B\8260BCL.m
Misc Info: ,25,,,1,1-8260B.SUB

Calibration Date: 13-OCT-2000
Calibration Time: 18:30

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1611523	805762	3223046	1611523	0.00
56 Chlorobenzene-d5	1203388	601694	2406776	1203388	0.00
79 1,4-Dichlorobenze	755803	377902	1511606	755803	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	8.02	7.52	8.52	8.02	0.00
56 Chlorobenzene-d5	13.49	12.99	13.99	13.49	0.00
79 1,4-Dichlorobenze	18.11	17.61	18.61	18.11	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: mc.i
Lab File ID: CS2048.D
Lab Smp Id: 50PPB 8260BSTD
Analysis Type: VOA
Quant Type: ISTD
Operator: AD
Method File: \\SANP2010\D\chem\mc.i\1013BC.B\8260BCL.m
Misc Info: ,25,,,1,1-8260B.SUB

Calibration Date: 13-OCT-2000
Calibration Time: 20:31

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1662289	831145	3324578	1579493	-4.98
56 Chlorobenzene-d5	1178377	589189	2356754	1124179	-4.60
79 1,4-Dichlorobenze	708111	354056	1416222	650788	-8.10

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	8.02	7.52	8.52	8.02	-0.02
56 Chlorobenzene-d5	13.49	12.99	13.99	13.48	-0.08
79 1,4-Dichlorobenze	18.12	17.62	18.62	18.12	-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: mc.i
Lab File ID: CS2049.D
Lab Smp Id: 100PPB 8260BSTD
Analysis Type: VOA
Quant Type: ISTD
Operator: AD
Method File: \\SANP2010\D\chem\mc.i\1013BC.B\8260BCL.m
Misc Info: ,25,,,1,1-8260B.SUB

Calibration Date: 13-OCT-2000
Calibration Time: 20:31

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1662289	831145	3324578	1325546	-20.26
56 Chlorobenzene-d5	1178377	589189	2356754	894739	-24.07
79 1,4-Dichlorobenze	708111	354056	1416222	466527	-34.12

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	8.02	7.52	8.52	8.05	0.34
56 Chlorobenzene-d5	13.49	12.99	13.99	13.50	0.06
79 1,4-Dichlorobenze	18.12	17.62	18.62	18.13	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

VOLATILE REPORT low level 8260B

Data file : \\SANP2010\D\chem\mc.i\1013BC.B\CS2044.D
Lab Smp Id: 0.5PPB 8260BSTD
Inj Date : 13-OCT-2000 17:00
Operator : AD Inst ID: mc.i
Smp Info : 0.5PPB 8260BSTD,,,6,0,,,8260BCL.M
Misc Info : ,25,,,1,1-8260B.SUB
Comment :
Method : \\SANP2010\D\chem\mc.i\1013BC.B\8260BCL.m
Meth Date : 13-Oct-2000 20:16 DONGA Quant Type: ISTD
Cal Date : 13-OCT-2000 17:00 Cal File: CS2044.D
Als bottle: 1 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2010

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	1.853	1.860	(0.231)	37348	0.50000	0.471(a)
2 Chloromethane (**)	50	2.031	2.086	(0.253)	1574	0.50000	0.104(a)
3 Vinyl chloride (*)	62	2.149	2.155	(0.268)	16333	0.50000	0.462(a)
4 Bromomethane	94	2.504	2.481	(0.312)	18557	0.50000	0.497(a)
5 Chloroethane	*64	2.612	2.589	(0.326)	8182	0.50000	0.358(a)
6 Trichlorofluoromethane	101	2.888	2.904	(0.360)	61817	0.50000	0.469(a)
7 Acrolein	56	5.017	5.043	(0.625)	10832	0.50000	3.76(a)
8 1,1-Dichloroethene(*)	96	3.509	3.515	(0.437)	21730	0.50000	0.468(a)
9 1,1,2-Trichlorotrifluoroethan	151	3.499	3.545	(0.436)	35814	0.50000	0.453(a)
10 Iodomethane	142	3.687	3.703	(0.459)	51593	0.50000	0.608(a)
11 Acetone	43	3.568	3.575	(0.445)	16311	0.50000	4.69(a)
12 Carbon disulfide	76	3.785	3.801	(0.472)	35100	0.50000	0.293(a)
13 Methylene chloride	84	4.150	4.176	(0.517)	6421	0.50000	0.170(a)
16 Vinyl acetate	43	5.352	5.368	(0.667)	47580	0.50000	1.04(a)
17 trans-1,2-Dichloroethene	96	4.564	4.590	(0.569)	18337	0.50000	0.338(a)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	18 Methyl-tert-butyl ether[MTBE]	73	4.593	4.619	(0.573)	17645	0.50000	0.371(a)
	19 1,1-Dichloroethane (**)	63	5.165	5.220	(0.644)	37493	0.50000	0.430(a)
	20 Isopropyl ether	45	5.342	5.398	(0.666)	31089	0.50000	0.268(a)
	21 Tert-butyl ethyl ether	59	5.963	5.970	(0.743)	24505	0.50000	0.263(a)
M	22 1,2-Dichloroethene (total)	100				42529	0.50000	0.812(a)
	24 cis-1,2-Dichloroethene	96	6.091	6.147	(0.759)	24192	0.50000	0.475(a)
	25 2-Butanone	43	6.170	6.167	(0.769)	7580	0.50000	1.92(a)
	26 Bromochloromethane	128	6.466	6.511	(0.806)	4941	0.50000	0.200(a)
	28 Chloroform (*)	83	6.643	6.669	(0.828)	65111	0.50000	0.515
$	29 Dibromofluoromethane	111	6.900	6.926	(0.860)	39632	0.50000	0.447(a)
	30 1,1,1-Trichloroethane	97	6.910	6.965	(0.861)	51068	0.50000	0.415(a)
	31 Carbon Tetrachloride	117	7.215	7.251	(0.899)	46020	0.50000	0.399(a)
	32 1,1-Dichloropropene	75	7.186	7.241	(0.896)	44120	0.50000	0.465(a)
	34 1,2-Dichloroethane-d4 2nd	102	7.452	7.458	(0.929)	1643	0.50000	0.225(a)
	35 Benzene	78	7.530	7.576	(0.939)	65850	0.50000	0.500
	36 1,2-Dichloroethane	62	7.550	7.596	(0.941)	28596	0.50000	0.535(a)
	37 Tert-amyl methyl ether	73	7.816	7.822	(0.974)	30592	0.50000	0.457(a)
*	38 Fluorobenzene	96	8.023	8.049	(1.000)	1659284	10.0000	
	39 Trichloroethene	130	8.664	8.690	(1.080)	37809	0.50000	0.453(a)
	40 1,2-Dichloropropane(*)	63	9.028	9.044	(1.125)	20445	0.50000	0.447(a)
	41 Dibromomethane	93	9.226	9.242	(1.150)	13851	0.50000	0.444(a)
	42 Bromodichloromethane	83	9.531	9.547	(1.188)	38072	0.50000	0.418(a)
	44 1-Bromo-2-chloroethane	63	10.034	10.069	(1.251)	7218	0.50000	0.170(a)
	45 cis-1,3-Dichloropropene	75	10.339	10.355	(1.289)	18615	0.50000	0.362(a)
	46 4-Methyl-2-pentanone	43	10.665	10.661	(1.329)	16535	0.50000	1.47(a)
$	47 Toluene-d8	98	10.803	10.848	(0.800)	19232	0.50000	0.146(a)
	49 trans-1,3-Dichloropropene	75	11.364	11.380	(0.842)	11072	0.50000	0.332(a)
	50 1,1,2-Trichloroethane	97	11.699	11.696	(0.866)	12463	0.50000	0.440(a)
	51 Tetrachloroethene	164	11.956	11.972	(0.885)	24018	0.50000	0.300(a)
	52 1,3-Dichloropropane	76	11.985	11.991	(0.888)	22838	0.50000	0.500(a)
	53 2-Hexanone	43	12.222	12.198	(0.905)	19308	0.50000	2.88(a)
	54 Dibromochloromethane	129	12.389	12.405	(0.918)	21063	0.50000	0.351(a)
	55 1,2-Dibromoethane	107	12.577	12.583	(0.931)	15632	0.50000	0.406(a)
*	56 Chlorobenzene-d5	117	13.503	13.499	(1.000)	1212914	10.0000	
	57 Chlorobenzene (**)	112	13.542	13.549	(1.003)	61620	0.50000	0.474(a)
	58 1,1,1,2-Tetrachloroethane	131	13.730	13.726	(1.017)	20910	0.50000	0.320(a)
	59 Ethylbenzene (*)	106	13.809	13.815	(1.023)	29025	0.50000	0.452(a)
	60 m,p-Xylenes	106	14.035	14.051	(1.039)	76309	0.50000	0.965(a)
M	61 Xylenes (total)	100				109596	0.50000	1.42
	62 o-Xylene	106	14.794	14.790	(1.096)	33286	0.50000	0.457(a)
	63 Styrene	104	14.824	14.830	(1.098)	46645	0.50000	0.438(a)
	64 Bromoform (**)	173	15.129	15.125	(1.120)	8911	0.50000	0.270(a)
	65 Isopropylbenzene	105	15.543	15.549	(1.151)	116152	0.50000	0.456(a)
$	66 4-Bromofluorobenzene	95	15.809	15.806	(1.171)	46871	0.50000	0.534(a)
	67 4-Bromofluorobenzene-2nd	174	15.819	15.815	(1.172)	37295	0.50000	0.502(a)
	68 Bromobenzene	156	16.056	16.062	(0.886)	33792	0.50000	0.481(a)
	69 1,1,2,2-Tetrachloroethane(**)	83	16.134	16.141	(0.890)	15772	0.50000	0.468(a)

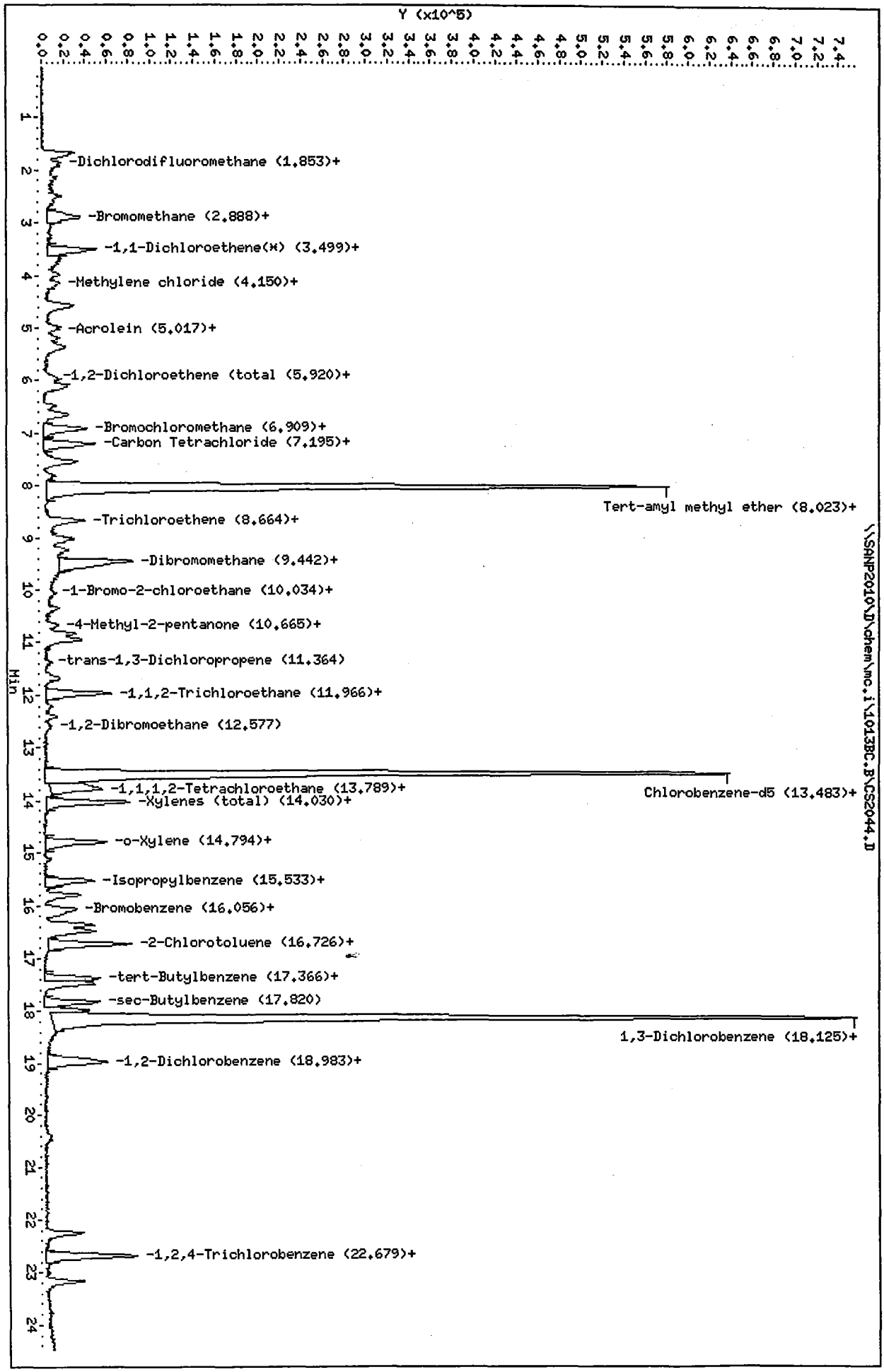
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
70 1,2,3-Trichloropropane	110	16.174	16.180	(0.892)	4463	0.50000	0.502(a)
71 n-Propylbenzene	91	16.371	16.377	(0.903)	125476	0.50000	0.431(a)
72 2-Chlorotoluene	126	16.479	16.495	(0.909)	27695	0.50000	0.466(a)
73 4-Chlorotoluene	126	16.716	16.712	(0.922)	26235	0.50000	0.452(a)
74 1,3,5-Trimethylbenzene	105	16.736	16.752	(0.923)	94766	0.50000	0.456(a)
75 tert-Butylbenzene	119	17.376	17.392	(0.959)	100894	0.50000	0.441(a)
76 1,2,4-Trimethylbenzene	105	17.485	17.491	(0.965)	95182	0.50000	0.467(a)
77 sec-Butylbenzene	105	17.820	17.836	(0.983)	136013	0.50000	0.447(a)
78 1,3-Dichlorobenzene	146	17.997	17.994	(0.993)	64648	0.50000	0.517(a)
* 79 1,4-Dichlorobenzene-d4	152	18.125	18.131	(1.000)	733740	10.0000	
80 p-Isopropyltoluene	119	18.155	18.151	(1.002)	115761	0.50000	0.456(a)
81 1,4-Dichlorobenzene	146	18.155	19.679	(1.002)	69617	0.50000	1.48
82 1,2-Dichlorobenzene	146	18.904	18.910	(1.043)	53836	0.50000	0.533(a)
83 n-Butylbenzene	91	18.983	18.989	(1.047)	108136	0.50000	0.430(a)
85 1,2,4-Trichlorobenzene	180	22.245	22.251	(1.227)	47820	0.50000	0.515(a)
86 Hexachlorobutadiene	225	22.659	22.675	(1.250)	61941	0.50000	0.490(a)
87 Napthalene	128	22.708	22.714	(1.253)	35001	0.50000	0.595(a)
88 1,2,3-Trichlorobenzene	180	23.152	23.158	(1.277)	45052	0.50000	0.638(a)

QC Flag Legend

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

Data File: \\SANP2010\D\chem\mc.i\1013BC.B\CS2044.D
Date : 13-OCT-2000 17:00
Client ID:
Sample Info: 0.5PPB 8260BSTD,,,6.0,,,8260BCL.M
Purge Volume: 25.0
Column phase: J&W DB-624

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



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2010\D\chem\mc.i\1013BC.B\CS2045.D
Lab Smp Id: 1PPB 8260BSTD
Inj Date : 13-OCT-2000 17:30
Operator : AD Inst ID: mc.i
Smp Info : 1PPB 8260BSTD,,,1,0,,,8260BCL.M
Misc Info : ,25,,,1,1-8260B.SUB
Comment :
Method : \\SANP2010\D\chem\mc.i\1013BC.B\8260BCL.m
Meth Date : 13-Oct-2000 20:16 DONGA Quant Type: ISTD
Cal Date : 13-OCT-2000 17:00 Cal File: CS2044.D
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2010

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	1.850	1.850	(0.230)	81353	1.00000	1.04
2 Chloromethane (**)	50	2.116	2.116	(0.264)	30477	1.00000	1.54(M)
3 Vinyl chloride (*)	62	2.145	2.145	(0.267)	36422	1.00000	1.04
4 Bromomethane	94	2.471	2.471	(0.308)	36557	1.00000	0.991(a)
5 Chloroethane	64	2.589	2.589	(0.322)	23233	1.00000	1.03
6 Trichlorofluoromethane	101	2.894	2.894	(0.360)	132590	1.00000	1.02
7 Acrolein	56	5.013	5.013	(0.624)	27630	10.0000	9.70(a)
8 1,1-Dichloroethene(*)	96	3.476	3.476	(0.433)	48815	1.00000	1.04(M)
9 1,1,2-Trichlorotrifluoroethan	151	3.515	3.515	(0.438)	81034	1.00000	1.04
10 Iodomethane	142	3.683	3.683	(0.459)	134200	2.00000	1.60(a)
11 Acetone	43	3.545	3.545	(0.441)	25441	5.00000	7.41(a)
12 Carbon disulfide	76	3.762	3.762	(0.469)	81826	1.00000	0.693(a)
13 Methylene chloride	84	4.146	4.146	(0.516)	38290	1.00000	1.03
14 Acrylonitrile	53	7.418	7.418	(0.924)	3593	10.0000	7.56(aM)
15 t-Butanol	59	4.590	4.590	(0.572)	3994	4.00000	5.51(aM)

MM 10/13/2000

MM 10/13/2000

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)	
	16 Vinyl acetate	43	5.368	5.368	(0.669)	96457	2.00000	1.95(aM)	MM 10/13/2000
	17 trans-1,2-Dichloroethene	96	4.560	4.560	(0.568)	52917	1.00000	0.986(a)	
	18 Methyl-tert-butyl ether[MTBE]	73	4.580	4.580	(0.570)	51137	1.00000	1.09	
	19 1,1-Dichloroethane (**)	63	5.181	5.181	(0.645)	84191	1.00000	0.979(a)	
	20 Isopropyl ether	45	5.368	5.368	(0.669)	119379	1.00000	1.04	
	21 Tert-butyl ethyl ether	59	5.960	5.960	(0.742)	92565	1.00000	1.01	
M	22 1,2-Dichloroethene (total)	100				96238	2.00000	1.85	
	23 2,2-Dichloropropane	77	6.107	6.107	(0.761)	27530	1.00000	0.528(a)	
	24 cis-1,2-Dichloroethene	96	6.098	6.098	(0.759)	43321	1.00000	0.861(a)	
	25 2-Butanone	43	6.147	6.147	(0.766)	24721	5.00000	6.34(a)	
	26 Bromochloromethane	128	6.462	6.462	(0.805)	26623	1.00000	1.09	
	27 Tetrahydrofuran	42	6.590	6.590	(0.821)	930	1.00000	0.477(aM)	MM 10/13/2000
	28 Chloroform (*)	83	6.620	6.620	(0.824)	131530	1.00000	1.05	
$	29 Dibromofluoromethane	111	6.886	6.886	(0.858)	96900	1.00000	1.11	
	30 1,1,1-Trichloroethane	97	6.916	6.916	(0.861)	116057	1.00000	0.956(a)	
	31 Carbon Tetrachloride	117	7.201	7.201	(0.897)	103257	1.00000	0.906(a)	
	32 1,1-Dichloropropene	75	7.192	7.192	(0.896)	95397	1.00000	1.02	
$	33 1,2-Dichloroethane-d4	65	7.438	7.438	(0.926)	46029	1.00000	1.12	
	34 1,2-Dichloroethane-d4 2nd	102	7.438	7.438	(0.926)	7206	1.00000	0.999(a)	
	35 Benzene	78	7.537	7.537	(0.939)	132359	1.00000	1.02	
	36 1,2-Dichloroethane	62	7.546	7.546	(0.940)	59334	1.00000	1.12	
	37 Tert-amyl methyl ether	73	7.813	7.813	(0.973)	70364	1.00000	1.06	
*	38 Fluorobenzene	96	8.029	8.029	(1.000)	1638508	10.0000		
	39 Trichloroethene	130	8.670	8.670	(1.080)	86538	1.00000	1.05	
	40 1,2-Dichloropropane(*)	63	9.025	9.025	(1.124)	47147	1.00000	1.04	
	41 Dibromomethane	93	9.212	9.212	(1.147)	32581	1.00000	1.06	
	42 Bromodichloromethane	83	9.537	9.537	(1.188)	80641	1.00000	0.896(a)	
	44 1-Bromo-2-chloroethane	63	10.040	10.040	(1.250)	40735	1.00000	0.972(a)	
	45 cis-1,3-Dichloropropene	75	10.336	10.336	(1.287)	47298	1.00000	0.932(a)	
	46 4-Methyl-2-pentanone	43	10.661	10.661	(1.328)	54029	5.00000	4.87(a)	
$	47 Toluene-d8	98	10.818	10.818	(0.802)	142817	1.00000	1.06	
	48 Toluene (*)	91	10.947	10.947	(0.811)	171028	1.00000	0.992(a)	
	49 trans-1,3-Dichloropropene	75	11.370	11.370	(0.843)	28216	1.00000	0.844(a)	
	50 1,1,2-Trichloroethane	97	11.686	11.686	(0.866)	30326	1.00000	1.05	MM 10/13/2000
	51 Tetrachloroethene	164	11.972	11.972	(0.887)	92452	1.00000	1.03(M)	
	52 1,3-Dichloropropane	76	11.991	11.991	(0.889)	48201	1.00000	1.04	
	53 2-Hexanone	43	12.218	12.218	(0.906)	53301	5.00000	6.50(aM)	MM 10/13/2000
	54 Dibromochloromethane	129	12.395	12.395	(0.919)	49642	1.00000	0.812(a)	
	55 1,2-Dibromoethane	107	12.583	12.583	(0.933)	37478	1.00000	0.957(a)	
*	56 Chlorobenzene-d5	117	13.489	13.489	(1.000)	1235021	10.0000		
	57 Chlorobenzene (**)	112	13.539	13.539	(1.004)	134015	1.00000	1.01	
	58 1,1,1,2-Tetrachloroethane	131	13.716	13.716	(1.017)	61226	1.00000	0.921(a)	
	59 Ethylbenzene (*)	106	13.805	13.805	(1.023)	66294	1.00000	1.01	
	60 m,p-Xylenes	106	14.031	14.031	(1.040)	161460	2.00000	2.00	
M	61 Xylenes (total)	100				236920	3.00000	3.02	
	62 o-Xylene	106	14.771	14.771	(1.095)	75460	1.00000	1.02	
	63 Styrene	104	14.810	14.810	(1.098)	105876	1.00000	0.976(a)	

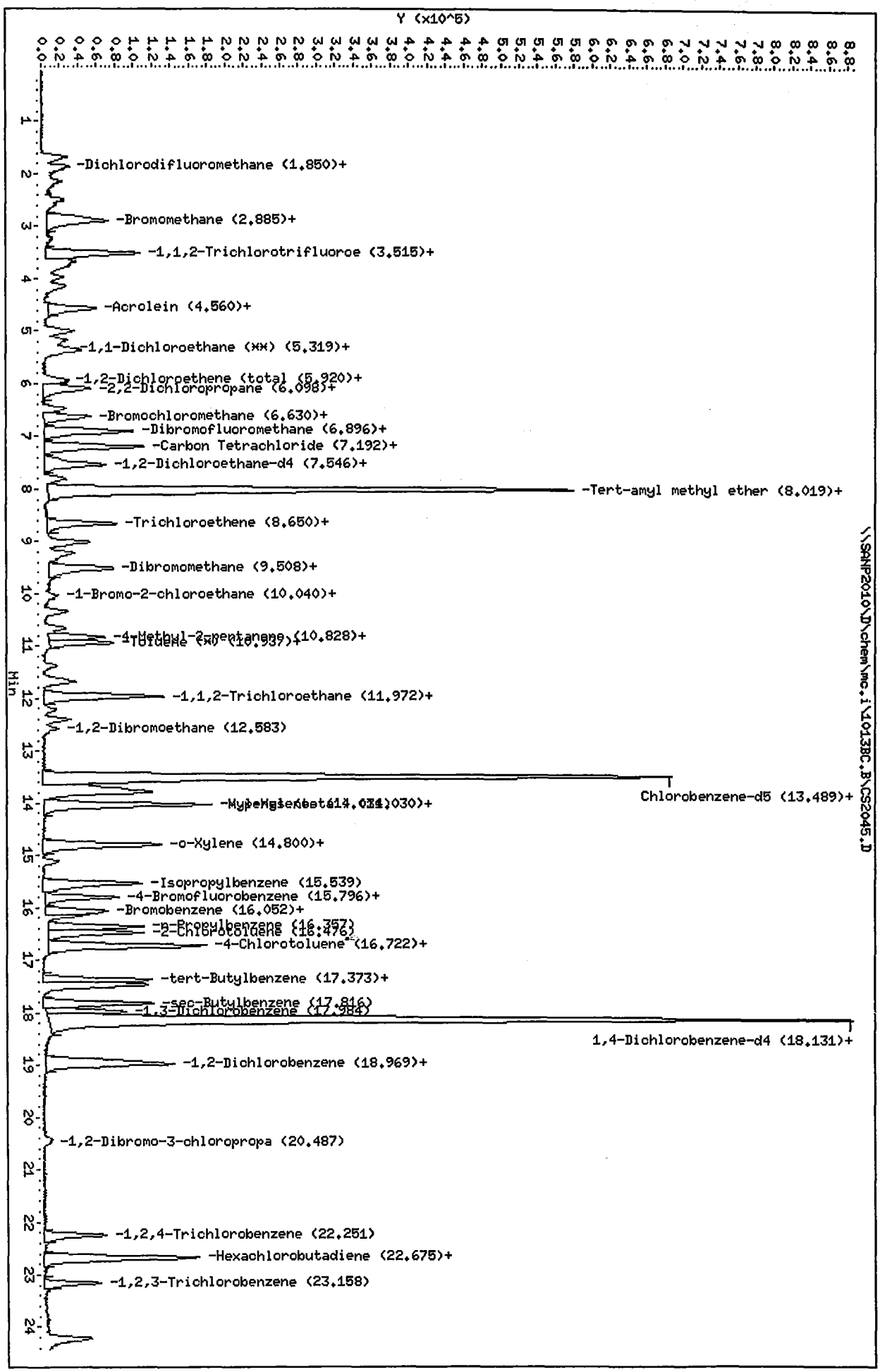
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
64 Bromoform (**)	173	15.106	15.106	(1.120)	23824	1.00000	0.710(a)
65 Isopropylbenzene	105	15.530	15.530	(1.151)	254364	1.00000	0.982(a)
$ 66 4-Bromofluorobenzene	95	15.806	15.806	(1.172)	96720	1.00000	1.08
67 4-Bromofluorobenzene-2nd	174	15.796	15.796	(1.171)	83751	1.00000	1.11
68 Bromobenzene	156	16.052	16.052	(0.886)	72137	1.00000	0.988(a)
69 1,1,2,2-Tetrachloroethane(**)	83	16.131	16.131	(0.890)	35664	1.00000	1.02
70 1,2,3-Trichloropropane	110	16.180	16.180	(0.893)	8463	1.00000	0.916(a)
71 n-Propylbenzene	91	16.357	16.357	(0.903)	272901	1.00000	0.900(a)
72 2-Chlorotoluene	126	16.486	16.486	(0.910)	62326	1.00000	1.01
73 4-Chlorotoluene	126	16.693	16.693	(0.921)	55989	1.00000	0.929(a)
74 1,3,5-Trimethylbenzene	105	16.732	16.732	(0.923)	213727	1.00000	0.990(a)
75 tert-Butylbenzene	119	17.363	17.363	(0.958)	227127	1.00000	0.954(a)
76 1,2,4-Trimethylbenzene	105	17.481	17.481	(0.965)	206294	1.00000	0.974(a)
77 sec-Butylbenzene	105	17.816	17.816	(0.983)	305328	1.00000	0.965(a)
78 1,3-Dichlorobenzene	146	17.974	17.974	(0.992)	128611	1.00000	0.988(a)
* 79 1,4-Dichlorobenzene-d4	152	18.122	18.122	(1.000)	763117	10.0000	
80 p-Isopropyltoluene	119	18.151	18.151	(1.002)	263317	1.00000	0.997(a)
81 1,4-Dichlorobenzene	146	18.181	18.181	(1.003)	142321	1.00000	2.91
82 1,2-Dichlorobenzene	146	18.910	18.910	(1.044)	106441	1.00000	1.01
83 n-Butylbenzene	91	18.969	18.969	(1.047)	249543	1.00000	0.954(a)
84 1,2-Dibromo-3-chloropropane	157	20.487	20.487	(1.131)	3288	1.00000	0.482(a)
85 1,2,4-Trichlorobenzene	180	22.251	22.251	(1.228)	89856	1.00000	0.930(a)
86 Hexachlorobutadiene	225	22.655	22.655	(1.250)	122685	1.00000	0.934(a)
87 Napthalene	128	22.744	22.744	(1.255)	53311	1.00000	0.872(a)
88 1,2,3-Trichlorobenzene	180	23.158	23.158	(1.278)	74544	1.00000	1.01

QC Flag Legend

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

Data File: \\SANP2010\D\chem\mc.i\10138C.B\CS2045.D
Date : 13-OCT-2000 17:30
Client ID:
Sample Info: 1PPB 8260BSTD,,1.0,,8260BCL.M
Purge Volume: 25.0
Column phase: J&W DB-624

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



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2010\D\chem\mc.i\1013BC.B\CS2046.D
Lab Smp Id: 5PPB 8260BSTD
Inj Date : 13-OCT-2000 18:00
Operator : AD Inst ID: mc.i
Smp Info : 5PPB 8260BSTD,,,2,0,,,8260BCL.M
Misc Info : ,25,,,1,1-8260B.SUB
Comment :
Method : \\SANP2010\D\chem\mc.i\1013BC.B\8260BCL.m
Meth Date : 13-Oct-2000 20:16 DONGA Quant Type: ISTD
Cal Date : 13-OCT-2000 17:00 Cal File: CS2044.D
Als bottle: 3 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2010

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	1.850	1.850	(0.231)	394688	5.00000	5.12	
2 Chloromethane (**)	50	2.097	2.097	(0.261)	140493	5.00000	5.84(M)	DM 10/13/2000
3 Vinyl chloride (*)	62	2.146	2.146	(0.268)	178241	5.00000	5.18	
4 Bromomethane	94	2.471	2.471	(0.308)	166715	5.00000	4.59	
5 Chloroethane	64	2.599	2.599	(0.324)	118221	5.00000	5.32	
6 Trichlorofluoromethane	101	2.895	2.895	(0.361)	655956	5.00000	5.11	
7 Acrolein	56	5.004	5.004	(0.624)	141040	50.0000	50.28	
8 1,1-Dichloroethene(*)	96	3.496	3.496	(0.436)	226795	5.00000	4.91	
9 1,1,2-Trichlorotrifluoroethan	151	3.506	3.506	(0.437)	396783	5.00000	5.16	
10 Iodomethane	142	3.674	3.674	(0.458)	894569	10.0000	10.83	
11 Acetone	43	3.545	3.545	(0.442)	93512	25.0000	27.66	
12 Carbon disulfide	76	3.772	3.772	(0.470)	444371	5.00000	4.00(M)	DM 10/13/2000
13 Methylene chloride	84	4.137	4.137	(0.516)	189640	5.00000	5.16	
14 Acrylonitrile	53	7.428	7.428	(0.926)	27846	50.0000	59.48	
15 t-Butanol	59	4.403	4.403	(0.549)	18303	20.0000	21.71(aM)	DM 10/13/2000

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	16 Vinyl acetate	43	5.339	5.339	(0.666)	502778	10.0000	10.33
	17 trans-1,2-Dichloroethene	96	4.551	4.551	(0.567)	268891	5.00000	5.09
	18 Methyl-tert-butyl ether[MTBE]	73	4.580	4.580	(0.571)	246332	5.00000	5.33
	19 1,1-Dichloroethane (**)	63	5.172	5.172	(0.645)	430193	5.00000	5.08
	20 Isopropyl ether	45	5.378	5.378	(0.671)	577512	5.00000	5.12
	21 Tert-butyl ethyl ether	59	5.950	5.950	(0.742)	467839	5.00000	5.17
M	22 1,2-Dichloroethene (total)	100				529326	10.0000	10.34
	23 2,2-Dichloropropane	77	6.088	6.088	(0.759)	200908	5.00000	3.92
	24 cis-1,2-Dichloroethene	96	6.098	6.098	(0.760)	260435	5.00000	5.25
	25 2-Butanone	43	6.137	6.137	(0.765)	103033	25.0000	26.84
	26 Bromochloromethane	128	6.473	6.473	(0.807)	131036	5.00000	5.46
	27 Tetrahydrofuran	42	6.620	6.620	(0.825)	10701	5.00000	5.57
	28 Chloroform (*)	83	6.630	6.630	(0.827)	641328	5.00000	5.21
$	29 Dibromofluoromethane	111	6.896	6.896	(0.860)	457848	5.00000	5.31
	30 1,1,1-Trichloroethane	97	6.916	6.916	(0.862)	602459	5.00000	5.04
	31 Carbon Tetrachloride	117	7.202	7.202	(0.898)	576910	5.00000	5.14
	32 1,1-Dichloropropene	75	7.192	7.192	(0.897)	470185	5.00000	5.09
$	33 1,2-Dichloroethane-d4	65	7.428	7.428	(0.926)	213562	5.00000	5.30
	34 1,2-Dichloroethane-d4 2nd	102	7.448	7.448	(0.929)	39182	5.00000	5.51
	35 Benzene	78	7.527	7.527	(0.939)	663158	5.00000	5.17
	36 1,2-Dichloroethane	62	7.557	7.557	(0.942)	284397	5.00000	5.47
	37 Tert-amyl methyl ether	73	7.813	7.813	(0.974)	343916	5.00000	5.28
*	38 Fluorobenzene	96	8.020	8.020	(1.000)	1613881	10.0000	
	39 Trichloroethene	130	8.670	8.670	(1.081)	416320	5.00000	5.12
	40 1,2-Dichloropropane(*)	63	9.025	9.025	(1.125)	229411	5.00000	5.16
	41 Dibromomethane	93	9.222	9.222	(1.150)	168366	5.00000	5.54
	42 Bromodichloromethane	83	9.538	9.538	(1.189)	461264	5.00000	5.20
	43 2-Chloroethylvinyl ether	106	10.040	10.040	(1.252)	6823	10.0000	9.66(aM)
	44 1-Bromo-2-chloroethane	63	10.040	10.040	(1.252)	211127	5.00000	5.12
	45 cis-1,3-Dichloropropene	75	10.336	10.336	(1.289)	257290	5.00000	5.15
	46 4-Methyl-2-pentanone	43	10.651	10.651	(1.328)	291400	25.0000	26.67
$	47 Toluene-d8	98	10.819	10.819	(0.803)	666301	5.00000	5.04
	48 Toluene (*)	91	10.937	10.937	(0.811)	864497	5.00000	5.09
	49 trans-1,3-Dichloropropene	75	11.371	11.371	(0.844)	165813	5.00000	5.04
	50 1,1,2-Trichloroethane	97	11.676	11.676	(0.866)	148706	5.00000	5.23
	51 Tetrachloroethene	164	11.952	11.952	(0.887)	457906	5.00000	5.16
	52 1,3-Dichloropropane	76	11.972	11.972	(0.888)	237770	5.00000	5.19
	53 2-Hexanone	43	12.209	12.209	(0.906)	186263	25.0000	23.08
	54 Dibromochloromethane	129	12.396	12.396	(0.920)	297788	5.00000	4.95
	55 1,2-Dibromoethane	107	12.573	12.573	(0.933)	200271	5.00000	5.19
*	56 Chlorobenzene-d5	117	13.480	13.480	(1.000)	1216119	10.0000	
	57 Chlorobenzene (**)	112	13.539	13.539	(1.004)	673535	5.00000	5.16
	58 1,1,1,2-Tetrachloroethane	131	13.707	13.707	(1.017)	338007	5.00000	5.16
	59 Ethylbenzene (*)	106	13.795	13.795	(1.023)	322618	5.00000	5.01
	60 m,p-Xylenes	106	14.022	14.022	(1.040)	812685	10.0000	10.25
M	61 Xylenes (total)	100				1191634	15.0000	15.44
	62 o-Xylene	106	14.771	14.771	(1.096)	378949	5.00000	5.19

m
10/13/00

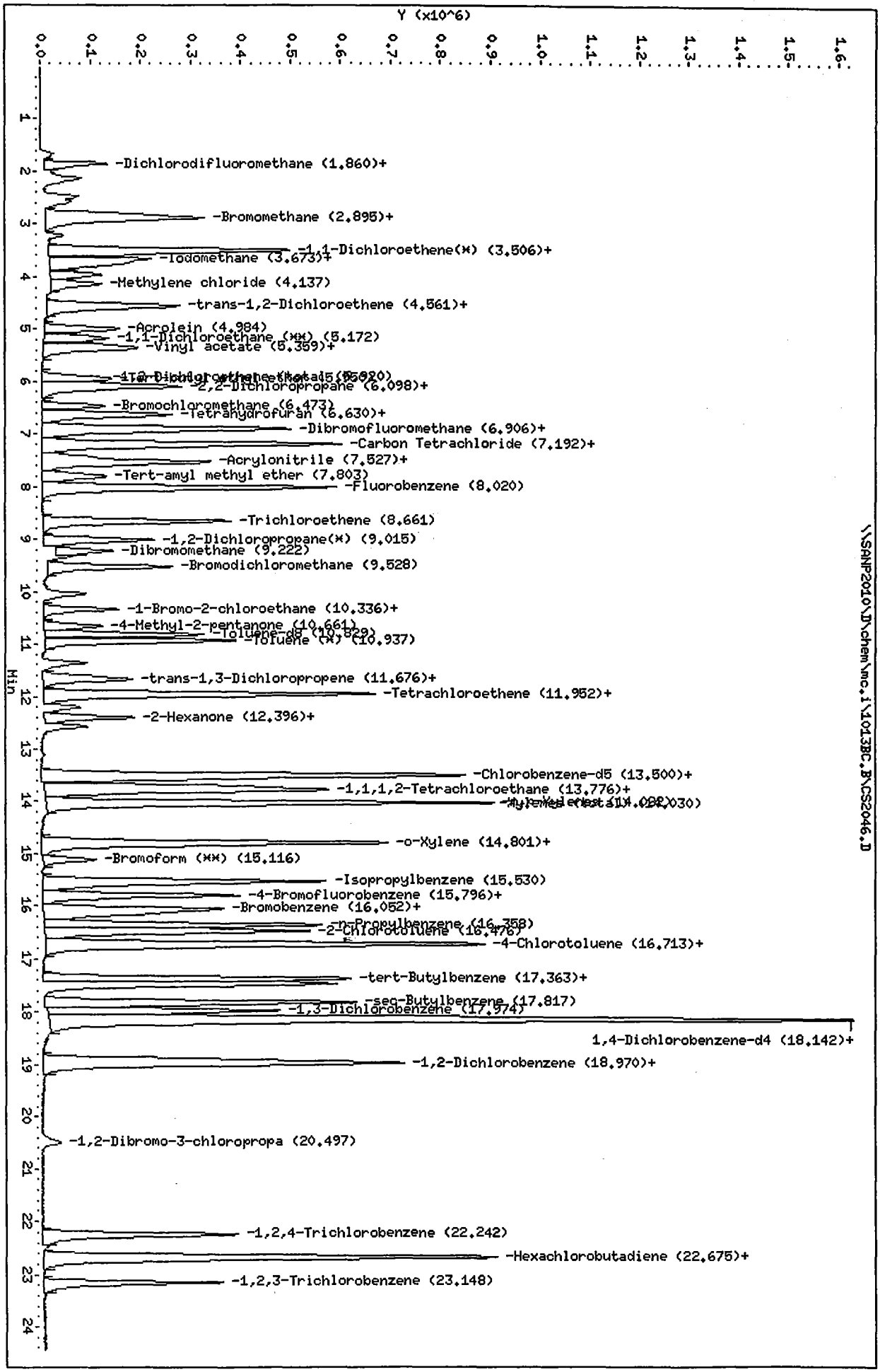
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
63 Styrene	104	14.810	14.810	(1.099)	556784	5.00000	5.21
64 Bromoform (**)	173	15.126	15.126	(1.122)	161086	5.00000	4.88
65 Isopropylbenzene	105	15.530	15.530	(1.152)	1306879	5.00000	5.12
$ 66 4-Bromofluorobenzene	95	15.806	15.806	(1.173)	478050	5.00000	5.44
67 4-Bromofluorobenzene-2nd	174	15.806	15.806	(1.173)	403572	5.00000	5.42
68 Bromobenzene	156	16.052	16.052	(0.886)	356918	5.00000	4.81
69 1,1,2,2-Tetrachloroethane(**)	83	16.131	16.131	(0.890)	173596	5.00000	4.88
70 1,2,3-Trichloropropane	110	16.180	16.180	(0.893)	46991	5.00000	5.01
71 n-Propylbenzene	91	16.358	16.358	(0.903)	1520664	5.00000	4.94
72 2-Chlorotoluene	126	16.486	16.486	(0.910)	309489	5.00000	4.93
73 4-Chlorotoluene	126	16.693	16.693	(0.921)	309113	5.00000	5.05
74 1,3,5-Trimethylbenzene	105	16.732	16.732	(0.923)	1076053	5.00000	4.91
75 tert-Butylbenzene	119	17.373	17.373	(0.959)	1169562	5.00000	4.84
76 1,2,4-Trimethylbenzene	105	17.481	17.481	(0.965)	1059007	5.00000	4.92
77 sec-Butylbenzene	105	17.817	17.817	(0.983)	1557795	5.00000	4.85
78 1,3-Dichlorobenzene	146	17.984	17.984	(0.992)	663958	5.00000	5.02
* 79 1,4-Dichlorobenzene-d4	152	18.122	18.122	(1.000)	775010	10.0000	
80 p-Isopropyltoluene	119	18.142	18.142	(1.001)	1332053	5.00000	4.96
81 1,4-Dichlorobenzene	146	18.161	18.161	(1.002)	661860	5.00000	8.71(H)
82 1,2-Dichlorobenzene	146	18.901	18.901	(1.043)	544081	5.00000	5.10
83 n-Butylbenzene	91	18.979	18.979	(1.047)	1289690	5.00000	4.86
84 1,2-Dibromo-3-chloropropane	157	20.497	20.497	(1.131)	32931	5.00000	4.75
85 1,2,4-Trichlorobenzene	180	22.252	22.252	(1.228)	472432	5.00000	4.82
86 Hexachlorobutadiene	225	22.666	22.666	(1.251)	657659	5.00000	4.93
87 Napthalene	128	22.715	22.715	(1.253)	300016	5.00000	4.83
88 1,2,3-Trichlorobenzene	180	23.148	23.148	(1.277)	377000	5.00000	5.05

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: \\SANP2010\D\chem\mc.i\10138C.B\CS2046.D
Date : 13-OCT-2000 18:00
Client ID:
Sample Info: 5PPB 8260BSTD,,2,0,,8260BCL.M
Purge Volume: 25.0
Column phase: J&W DB-624

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



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2010\D\chem\mc.i\1013BC.B\CS2047.D
Lab Smp Id: 10PPB 8260BSTD
Inj Date : 13-OCT-2000 18:30
Operator : AD Inst ID: mc.i
Smp Info : 10PPB 8260BSTD,,,3,0,,,8260BCL.M
Misc Info : ,25,,,1,1-8260B.SUB
Comment :
Method : \\SANP2010\D\chem\mc.i\1013BC.B\8260BCL.m
Meth Date : 13-Oct-2000 21:13 DONGA Quant Type: ISTD
Cal Date : 13-OCT-2000 19:30 Cal File: CS2049.D
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2010

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	1.850	1.850	(0.231)	766726	10.0000	9.95
2 Chloromethane (**)	50	2.116	2.116	(0.264)	295476	10.0000	10.29(M)
3 Vinyl chloride (*)	62	2.136	2.136	(0.266)	342778	10.0000	9.99
4 Bromomethane	94	2.471	2.471	(0.308)	343496	10.0000	9.47
5 Chloroethane	64	2.579	2.579	(0.322)	237618	10.0000	10.71
6 Trichlorofluoromethane	101	2.894	2.894	(0.361)	1284347	10.0000	10.03
7 Acrolein	56	4.984	4.984	(0.621)	275540	100.000	98.43
8 1,1-Dichloroethene(*)	96	3.496	3.496	(0.436)	462688	10.0000	10.03
9 1,1,2-Trichlorotrifluoroethan	151	3.515	3.515	(0.438)	771241	10.0000	10.04
10 Iodomethane	142	3.673	3.673	(0.458)	1925574	20.0000	23.35
11 Acetone	43	3.545	3.545	(0.442)	172923	50.0000	51.24
12 Carbon disulfide	76	3.772	3.772	(0.470)	926442	10.0000	10.14(M)
13 Methylene chloride	84	4.146	4.146	(0.517)	381395	10.0000	10.39
14 Acrylonitrile	53	7.428	7.428	(0.926)	50412	100.000	108.0
15 t-Butanol	59	4.412	4.412	(0.550)	33886	40.0000	40.24

MM 10/17/00

MM 10/17/00

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	16 Vinyl acetate	43	5.329	5.329	(0.664)	971437	20.0000	20.04
	17 trans-1,2-Dichloroethene	96	4.550	4.550	(0.567)	527912	10.0000	10.01
	18 Methyl-tert-butyl ether[MTBE]	73	4.590	4.590	(0.572)	486532	10.0000	10.54
	19 1,1-Dichloroethane (**)	63	5.171	5.171	(0.645)	841407	10.0000	9.94
	20 Isopropyl ether	45	5.359	5.359	(0.668)	1135112	10.0000	10.07
	21 Tert-butyl ethyl ether	59	5.950	5.950	(0.742)	933926	10.0000	10.33
M	22 1,2-Dichloroethene (total)	100				1056480	20.0000	20.68
	23 2,2-Dichloropropane	77	6.078	6.078	(0.758)	458085	10.0000	8.94
	24 cis-1,2-Dichloroethene	96	6.098	6.098	(0.760)	528568	10.0000	10.68
	25 2-Butanone	43	6.137	6.137	(0.765)	184107	50.0000	48.30
	26 Bromochloromethane	128	6.472	6.472	(0.807)	252415	10.0000	10.54
	27 Tetrahydrofuran	42	6.581	6.581	(0.821)	24329	10.0000	12.71(M)
	28 Chloroform (*)	83	6.640	6.640	(0.828)	1245829	10.0000	10.14
$	29 Dibromofluoromethane	111	6.886	6.886	(0.859)	885030	10.0000	10.29
	30 1,1,1-Trichloroethane	97	6.906	6.906	(0.861)	1222273	10.0000	10.23
	31 Carbon Tetrachloride	117	7.192	7.192	(0.897)	1194203	10.0000	10.66
	32 1,1-Dichloropropene	75	7.192	7.192	(0.897)	923713	10.0000	10.04
$	33 1,2-Dichloroethane-d4	65	7.428	7.428	(0.926)	425383	10.0000	10.57
	34 1,2-Dichloroethane-d4 2nd	102	7.428	7.428	(0.926)	75053	10.0000	10.58
	35 Benzene	78	7.527	7.527	(0.939)	1320083	10.0000	10.31
	36 1,2-Dichloroethane	62	7.556	7.556	(0.942)	543162	10.0000	10.50
	37 Tert-amyl methyl ether	73	7.803	7.803	(0.973)	660242	10.0000	10.16
*	38 Fluorobenzene	96	8.020	8.020	(1.000)	1611523	10.0000	
	39 Trichloroethene	130	8.650	8.650	(1.079)	810225	10.0000	9.99
	40 1,2-Dichloropropane(*)	63	9.005	9.005	(1.123)	461025	10.0000	10.39
	41 Dibromomethane	93	9.212	9.212	(1.149)	333972	10.0000	11.01
	42 Bromodichloromethane	83	9.527	9.527	(1.188)	944578	10.0000	10.67
	43 2-Chloroethylvinyl ether	106	10.060	10.060	(1.254)	16216	20.0000	20.74
	44 1-Bromo-2-chloroethane	63	10.040	10.040	(1.252)	438429	10.0000	10.64
	45 cis-1,3-Dichloropropene	75	10.336	10.336	(1.289)	543196	10.0000	10.87
	46 4-Methyl-2-pentanone	43	10.651	10.651	(1.328)	595223	50.0000	54.56
$	47 Toluene-d8	98	10.828	10.828	(0.803)	1316204	10.0000	10.07
	48 Toluene (*)	91	10.937	10.937	(0.811)	1706294	10.0000	10.17
	49 trans-1,3-Dichloropropene	75	11.370	11.370	(0.843)	347561	10.0000	10.50
	50 1,1,2-Trichloroethane	97	11.686	11.686	(0.866)	298176	10.0000	10.59
	51 Tetrachloroethene	164	11.952	11.952	(0.886)	884007	10.0000	10.08
	52 1,3-Dichloropropane	76	11.982	11.982	(0.888)	480104	10.0000	10.61
	53 2-Hexanone	43	12.208	12.208	(0.905)	392565	50.0000	49.19
	54 Dibromochloromethane	129	12.395	12.395	(0.919)	640911	10.0000	10.77
	55 1,2-Dibromoethane	107	12.573	12.573	(0.932)	408493	10.0000	10.71
*	56 Chlorobenzene-d5	117	13.489	13.489	(1.000)	1203388	10.0000	
	57 Chlorobenzene (**)	112	13.539	13.539	(1.004)	1308886	10.0000	10.15
	58 1,1,1,2-Tetrachloroethane	131	13.706	13.706	(1.016)	685312	10.0000	10.59
	59 Ethylbenzene (*)	106	13.785	13.785	(1.022)	642183	10.0000	10.08
	60 m,p-Xylenes	106	14.032	14.032	(1.040)	1609690	20.0000	20.52
M	61 Xylenes (total)	100				2339398	30.0000	30.62
	62 o-Xylene	106	14.781	14.781	(1.096)	729708	10.0000	10.09

m
10/13/00

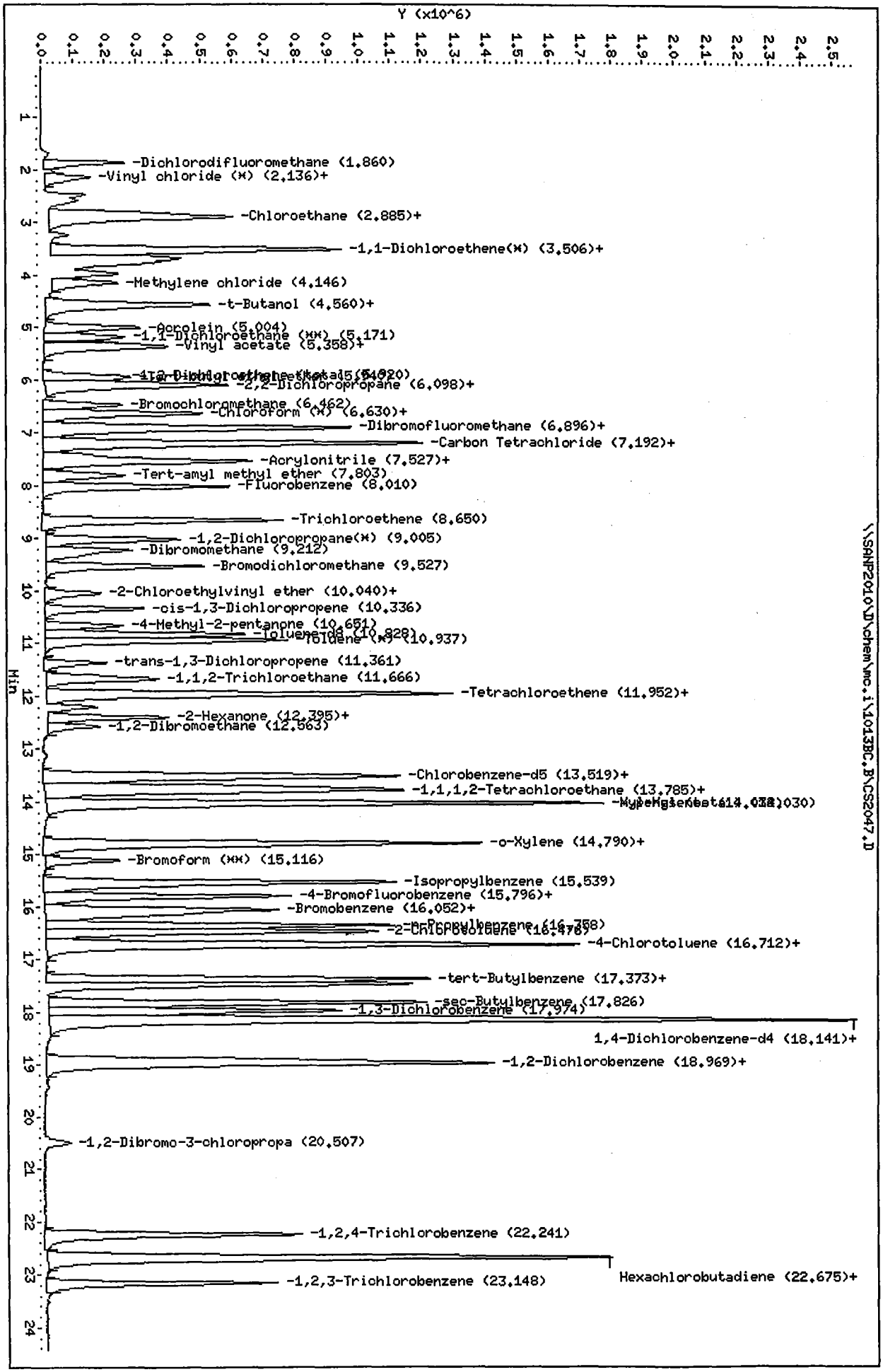
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
63 Styrene	104	14.810	14.810	(1.098)	1107053	10.0000	10.47
64 Bromoform (**)	173	15.116	15.116	(1.121)	351979	10.0000	10.78
65 Isopropylbenzene	105	15.530	15.530	(1.151)	2571995	10.0000	10.19
$ 66 4-Bromofluorobenzene	95	15.796	15.796	(1.171)	928863	10.0000	10.68
67 4-Bromofluorobenzene-2nd	174	15.796	15.796	(1.171)	789568	10.0000	10.72
68 Bromobenzene	156	16.062	16.062	(0.887)	721285	10.0000	9.96
69 1,1,2,2-Tetrachloroethane(**)	83	16.131	16.131	(0.891)	353535	10.0000	10.18
70 1,2,3-Trichloropropane	110	16.170	16.170	(0.893)	96980	10.0000	10.56
71 n-Propylbenzene	91	16.358	16.358	(0.903)	3005638	10.0000	9.79
72 2-Chlorotoluene	126	16.476	16.476	(0.910)	598810	10.0000	9.74
73 4-Chlorotoluene	126	16.702	16.702	(0.922)	602833	10.0000	10.08
74 1,3,5-Trimethylbenzene	105	16.732	16.732	(0.924)	2075612	10.0000	9.68
75 tert-Butylbenzene	119	17.373	17.373	(0.959)	2308531	10.0000	9.78
76 1,2,4-Trimethylbenzene	105	17.471	17.471	(0.965)	2073927	10.0000	9.87
77 sec-Butylbenzene	105	17.826	17.826	(0.984)	3034666	10.0000	9.64
78 1,3-Dichlorobenzene	146	17.974	17.974	(0.992)	1267723	10.0000	9.83
* 79 1,4-Dichlorobenzene-d4	152	18.112	18.112	(1.000)	755803	10.0000	
80 p-Isopropyltoluene	119	18.141	18.141	(1.002)	2559174	10.0000	9.77
81 1,4-Dichlorobenzene	146	18.161	18.161	(1.003)	1311790	10.0000	10.08(H)
82 1,2-Dichlorobenzene	146	18.900	18.900	(1.044)	1025767	10.0000	9.84
83 n-Butylbenzene	91	18.979	18.979	(1.048)	2542647	10.0000	9.81
84 1,2-Dibromo-3-chloropropane	157	20.507	20.507	(1.132)	73565	10.0000	10.87
85 1,2,4-Trichlorobenzene	180	22.241	22.241	(1.228)	968012	10.0000	10.10
86 Hexachlorobutadiene	225	22.675	22.675	(1.252)	1297582	10.0000	9.96
87 Napthalene	128	22.705	22.705	(1.254)	660303	10.0000	10.89
88 1,2,3-Trichlorobenzene	180	23.148	23.148	(1.278)	731019	10.0000	10.04

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: \\SANP2010\D\chem\mc.i\1013BC.B\CS2047.D
Date : 13-OCT-2000 18:30
Client ID:
Sample Info: 10PPB 8260BSTD,,3,0,,,8260BCL.M
Purge Volume: 25.0
Column phase: J&W DB-624

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



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2010\D\chem\mc.i\1013BC.B\CS2048.D
Lab Smp Id: 50PPB 8260BSTD
Inj Date : 13-OCT-2000 19:00
Operator : AD Inst ID: mc.i
Smp Info : 50PPB 8260BSTD,,,4,0,,,8260BCL.M
Misc Info : ,25,,,1,1-8260B.SUB
Comment :
Method : \\SANP2010\D\chem\mc.i\1013BC.B\8260BCL.m
Meth Date : 13-Oct-2000 20:55 DONGA Quant Type: ISTD
Cal Date : 13-OCT-2000 19:30 Cal File: CS2049.D
Als bottle: 5 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2010

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	1.850	1.850	(0.231)	3600522	50.0000	47.68
2 Chloromethane (**)	50	2.116	2.116	(0.264)	1269634	50.0000	45.14
3 Vinyl chloride (*)	62	2.146	2.146	(0.268)	1665780	50.0000	49.54
4 Bromomethane	94	2.462	2.462	(0.307)	1903146	50.0000	53.53
5 Chloroethane	64	2.570	2.570	(0.320)	1017324	50.0000	46.80
6 Trichlorofluoromethane	101	2.885	2.885	(0.360)	6065900	50.0000	48.32
7 Acrolein	56	4.994	4.994	(0.623)	1326957	500.000	483.6
8 1,1-Dichloroethene(*)	96	3.496	3.496	(0.436)	2160317	50.0000	47.79
9 1,1,2-Trichlorotrifluoroethan	151	3.516	3.516	(0.438)	3560013	50.0000	47.27
10 Iodomethane	142	3.674	3.674	(0.458)	8807012	100.000	109.0
11 Acetone	43	3.565	3.565	(0.445)	642993	250.000	194.4
12 Carbon disulfide	76	3.772	3.772	(0.470)	4911350	50.0000	47.46(M)
13 Methylene chloride	84	4.137	4.137	(0.516)	1774481	50.0000	49.33
14 Acrylonitrile	53	7.429	7.429	(0.926)	245480	500.000	536.6
15 t-Butanol	59	4.413	4.413	(0.550)	166918	200.000	202.3

M 10/13/2000

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	16 Vinyl acetate	43	5.320	5.320	(0.663)	4899751	100.000	103.1
	17 trans-1,2-Dichloroethene	96	4.551	4.551	(0.567)	2509160	50.0000	48.52
	18 Methyl-tert-butyl ether[MTBE]	73	4.590	4.590	(0.572)	2272880	50.0000	50.24
	19 1,1-Dichloroethane (**)	63	5.182	5.182	(0.646)	4110692	50.0000	49.57
	20 Isopropyl ether	45	5.369	5.369	(0.669)	5433286	50.0000	49.18
	21 Tert-butyl ethyl ether	59	5.950	5.950	(0.742)	4457724	50.0000	50.30
M	22 1,2-Dichloroethene (total)	100				4998219	100.000	99.83
	23 2,2-Dichloropropane	77	6.088	6.088	(0.759)	3416162	50.0000	68.04
	24 cis-1,2-Dichloroethene	96	6.098	6.098	(0.760)	2489059	50.0000	51.30
	25 2-Butanone	43	6.167	6.167	(0.769)	867862	250.000	232.3
	26 Bromochloromethane	128	6.473	6.473	(0.807)	1164752	50.0000	49.64
	27 Tetrahydrofuran	42	6.591	6.591	(0.822)	112262	50.0000	62.15
	28 Chloroform (*)	83	6.640	6.640	(0.828)	5912870	50.0000	49.10
$	29 Dibromofluoromethane	111	6.897	6.897	(0.860)	4083879	50.0000	48.43
	30 1,1,1-Trichloroethane	97	6.906	6.906	(0.861)	5924126	50.0000	50.61
	31 Carbon Tetrachloride	117	7.202	7.202	(0.898)	5826217	50.0000	53.05
	32 1,1-Dichloropropene	75	7.192	7.192	(0.897)	4380292	50.0000	48.60
$	33 1,2-Dichloroethane-d4	65	7.429	7.429	(0.926)	1923630	50.0000	48.77
	34 1,2-Dichloroethane-d4 2nd	102	7.429	7.429	(0.926)	358194	50.0000	51.51
	35 Benzene	78	7.527	7.527	(0.939)	6145209	50.0000	48.97
	36 1,2-Dichloroethane	62	7.557	7.557	(0.942)	2487637	50.0000	49.08
	37 Tert-amyl methyl ether	73	7.803	7.803	(0.973)	3250303	50.0000	51.03
*	38 Fluorobenzene	96	8.020	8.020	(1.000)	1579493	10.0000	
	39 Trichloroethene	130	8.661	8.661	(1.080)	3854015	50.0000	48.48
	40 1,2-Dichloropropane(*)	63	9.016	9.016	(1.124)	2168717	50.0000	49.86
	41 Dibromomethane	93	9.223	9.223	(1.150)	1496317	50.0000	50.35
	42 Bromodichloromethane	83	9.528	9.528	(1.188)	4718815	50.0000	54.38
	43 2-Chloroethylvinyl ether	106	10.110	10.110	(1.261)	103154	100.000	149.2
	44 1-Bromo-2-chloroethane	63	10.050	10.050	(1.253)	2223086	50.0000	55.05
	45 cis-1,3-Dichloropropene	75	10.346	10.346	(1.290)	2859101	50.0000	58.37
	46 4-Methyl-2-pentanone	43	10.661	10.661	(1.329)	2766834	250.000	258.8
$	47 Toluene-d8	98	10.819	10.819	(0.803)	5873983	50.0000	48.11
	48 Toluene (*)	91	10.947	10.947	(0.812)	7640132	50.0000	48.73
	49 trans-1,3-Dichloropropene	75	11.371	11.371	(0.844)	1877677	50.0000	61.63
	50 1,1,2-Trichloroethane	97	11.686	11.686	(0.867)	1308385	50.0000	49.75
	51 Tetrachloroethene	164	11.953	11.953	(0.887)	3874261	50.0000	47.30
	52 1,3-Dichloropropane	76	11.982	11.982	(0.889)	2113240	50.0000	50.00
	53 2-Hexanone	43	12.209	12.209	(0.906)	1830508	250.000	245.5
	54 Dibromochloromethane	129	12.396	12.396	(0.920)	3139257	50.0000	56.45
	55 1,2-Dibromoethane	107	12.573	12.573	(0.933)	1858524	50.0000	52.17
*	56 Chlorobenzene-d5	117	13.480	13.480	(1.000)	1124179	10.0000	
	57 Chlorobenzene (**)	112	13.539	13.539	(1.004)	5934133	50.0000	49.24
	58 1,1,1,2-Tetrachloroethane	131	13.717	13.717	(1.018)	3112952	50.0000	51.48
	59 Ethylbenzene (*)	106	13.796	13.796	(1.023)	2863981	50.0000	48.13
	60 m,p-Xylenes	106	14.032	14.032	(1.041)	7097503	100.000	96.88
M	61 Xylenes (total)	100				10382497	150.000	145.5
	62 o-Xylene	106	14.781	14.781	(1.097)	3284994	50.0000	48.62

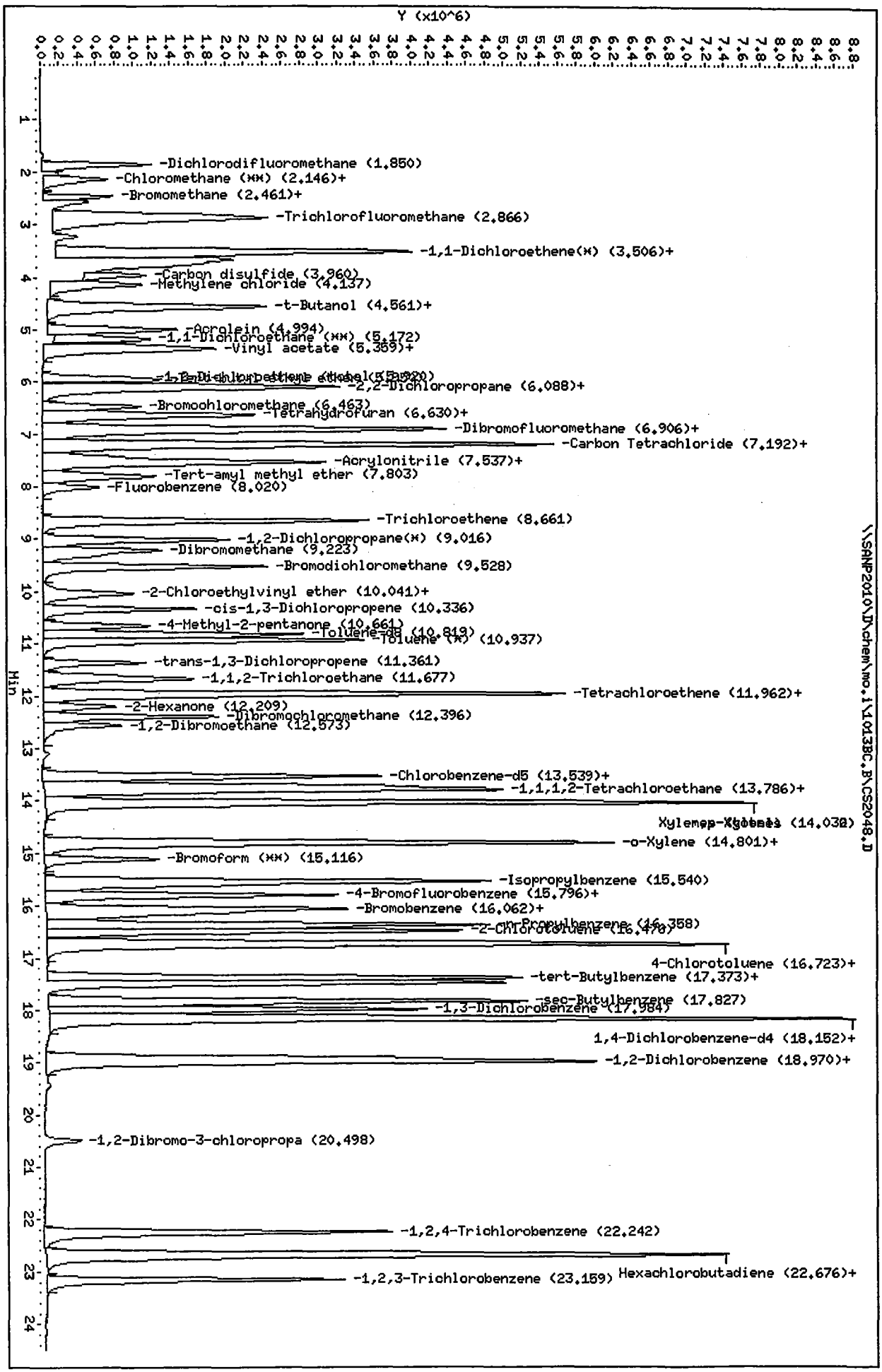
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
63 Styrene	104	14.811	14.811	(1.099)	4935853	50.0000	49.99
64 Bromoform (**)	173	15.116	15.116	(1.121)	1820488	50.0000	59.68
65 Isopropylbenzene	105	15.540	15.540	(1.153)	11253496	50.0000	47.74
$ 66 4-Bromofluorobenzene	95	15.796	15.796	(1.172)	3730972	50.0000	45.92
67 4-Bromofluorobenzene-2nd	174	15.796	15.796	(1.172)	3102813	50.0000	45.10
68 Bromobenzene	156	16.062	16.062	(0.886)	3178839	50.0000	50.98
69 1,1,2,2-Tetrachloroethane(**)	83	16.131	16.131	(0.890)	1553216	50.0000	51.93
70 1,2,3-Trichloropropane	110	16.171	16.171	(0.892)	421724	50.0000	53.35
71 n-Propylbenzene	91	16.368	16.368	(0.903)	13483053	50.0000	50.99
72 2-Chlorotoluene	126	16.486	16.486	(0.910)	2594423	50.0000	49.04
73 4-Chlorotoluene	126	16.703	16.703	(0.922)	2585195	50.0000	50.22
74 1,3,5-Trimethylbenzene	105	16.742	16.742	(0.924)	9039568	50.0000	48.96
75 tert-Butylbenzene	119	17.373	17.373	(0.959)	10028444	50.0000	49.37
76 1,2,4-Trimethylbenzene	105	17.482	17.482	(0.965)	8866051	50.0000	49.02
77 sec-Butylbenzene	105	17.827	17.827	(0.984)	13181449	50.0000	48.65
78 1,3-Dichlorobenzene	146	17.984	17.984	(0.992)	5536001	50.0000	49.84
* 79 1,4-Dichlorobenzene-d4	152	18.122	18.122	(1.000)	650788	10.0000	
80 p-Isopropyltoluene	119	18.142	18.142	(1.001)	10867277	50.0000	48.17
81 1,4-Dichlorobenzene	146	18.172	18.172	(1.003)	5440691	50.0000	60.76
82 1,2-Dichlorobenzene	146	18.901	18.901	(1.043)	4494705	50.0000	50.10
83 n-Butylbenzene	91	18.980	18.980	(1.047)	10950704	50.0000	49.05
84 1,2-Dibromo-3-chloropropane	157	20.498	20.498	(1.131)	376172	50.0000	64.57
85 1,2,4-Trichlorobenzene	180	22.242	22.242	(1.227)	4349925	50.0000	52.73
86 Hexachlorobutadiene	225	22.676	22.676	(1.251)	5495201	50.0000	48.98
87 Napthalene	128	22.705	22.705	(1.253)	2920180	50.0000	55.92
88 1,2,3-Trichlorobenzene	180	23.159	23.159	(1.278)	3189876	50.0000	50.86

QC Flag Legend

M - Compound response manually integrated.

Data File: \\SANP2010\D\chem\mc.i\013BC.B\CS2048.D
Date : 13-OCT-2000 19:00
Client ID:
Sample Info: 50PPB 8260BSTD,,4,0,,,8260BCL.M
Purge Volume: 25.0
Column phase: J&W DB-624

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



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2010\D\chem\mc.i\1013BC.B\CS2049.D
Lab Smp Id: 100PPB 8260BSTD
Inj Date : 13-OCT-2000 19:30
Operator : AD Inst ID: mc.i
Smp Info : 100PPB 8260BSTD,,,5,0,,,8260BCL.M
Misc Info : ,25,,,1,1-8260B.SUB
Comment :
Method : \\SANP2010\D\chem\mc.i\1013BC.B\8260BCL.m
Meth Date : 13-Oct-2000 20:55 DONGA Quant Type: ISTD
Cal Date : 13-OCT-2000 19:30 Cal File: CS2049.D
Als bottle: 6 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2010

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	1.860	1.860	(0.231)	6273623	100.000	98.99
2 Chloromethane (**)	50	2.086	2.086	(0.259)	2476406	100.000	104.9(A)
3 Vinyl chloride (*)	62	2.155	2.155	(0.268)	2957109	100.000	104.8(A)
4 Bromomethane	94	2.481	2.481	(0.308)	3202460	100.000	107.3(A)
5 Chloroethane	64	2.589	2.589	(0.322)	1637059	100.000	89.74
6 Trichlorofluoromethane	101	2.904	2.904	(0.361)	10432650	100.000	99.02
7 Acrolein	56	5.043	5.043	(0.627)	2467232	1000.00	1071(A)
8 1,1-Dichloroethene(*)	96	3.515	3.515	(0.437)	3862643	100.000	101.8(A)
9 1,1,2-Trichlorotrifluoroethan	151	3.545	3.545	(0.440)	6207549	100.000	98.22
10 Iodomethane	142	3.703	3.703	(0.460)	11666037	200.000	172.0
11 Acetone	43	3.575	3.575	(0.444)	843473	500.000	303.9
12 Carbon disulfide	76	3.801	3.801	(0.472)	7796560	100.000	97.73(M)
13 Methylene chloride	84	4.176	4.176	(0.519)	2766436	100.000	91.64
14 Acrylonitrile	53	7.458	7.458	(0.927)	344681	1000.00	897.8
15 t-Butanol	59	4.412	4.412	(0.548)	202478	400.000	292.4

MB 10/13/2000

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	16 Vinyl acetate	43	5.368	5.368	(0.667)	7598938	200.000	190.6
	17 trans-1,2-Dichloroethene	96	4.590	4.590	(0.570)	4446594	100.000	102.5(A)
	18 Methyl-tert-butyl ether[MTBE]	73	4.619	4.619	(0.574)	2983814	100.000	78.59
	19 1,1-Dichloroethane (**)	63	5.220	5.220	(0.649)	7098050	100.000	102.0(A)
	20 Isopropyl ether	45	5.398	5.398	(0.671)	8758659	100.000	94.46
	21 Tert-butyl ethyl ether	59	5.970	5.970	(0.742)	6850293	100.000	92.10
M	22 1,2-Dichloroethene (total)	100				8495539	200.000	201.9
	23 2,2-Dichloropropane	77	6.147	6.147	(0.764)	6038858	100.000	143.3(A)
	24 cis-1,2-Dichloroethene	96	6.147	6.147	(0.764)	4048945	100.000	99.45
	25 2-Butanone	43	6.167	6.167	(0.766)	1174798	500.000	374.7
	26 Bromochloromethane	128	6.511	6.511	(0.809)	1507928	100.000	76.58
	27 Tetrahydrofuran	42	6.610	6.610	(0.821)	147657	100.000	97.41
	28 Chloroform (*)	83	6.669	6.669	(0.829)	9185448	100.000	90.88
$	29 Dibromofluoromethane	111	6.926	6.926	(0.860)	5887603	100.000	83.20
	30 1,1,1-Trichloroethane	97	6.965	6.965	(0.865)	9835857	100.000	100.1(A)
	31 Carbon Tetrachloride	117	7.251	7.251	(0.901)	9650671	100.000	104.7(A)
	32 1,1-Dichloropropene	75	7.241	7.241	(0.900)	7426263	100.000	98.18
$	33 1,2-Dichloroethane-d4	65	7.458	7.458	(0.927)	2590673	100.000	78.27
	34 1,2-Dichloroethane-d4 2nd	102	7.458	7.458	(0.927)	472907	100.000	81.03
	35 Benzene	78	7.576	7.576	(0.941)	9879649	100.000	93.82
	36 1,2-Dichloroethane	62	7.596	7.596	(0.944)	3385807	100.000	79.59
	37 Tert-amyl methyl ether	73	7.822	7.822	(0.972)	4499672	100.000	84.18
*	38 Fluorobenzene	96	8.049	8.049	(1.000)	1325546	10.0000	
	39 Trichloroethene	130	8.690	8.690	(1.080)	6382399	100.000	95.67
	40 1,2-Dichloropropane(*)	63	9.044	9.044	(1.124)	3237382	100.000	88.68
	41 Dibromomethane	93	9.242	9.242	(1.148)	1810915	100.000	72.60
	42 Bromodichloromethane	83	9.547	9.547	(1.186)	6623398	100.000	90.94
	43 2-Chloroethylvinyl ether	106	10.109	10.109	(1.256)	95944	200.000	149.2(M)
	44 1-Bromo-2-chloroethane	63	10.069	10.069	(1.251)	2843827	100.000	83.91
	45 cis-1,3-Dichloropropene	75	10.355	10.355	(1.287)	4085841	100.000	99.40
	46 4-Methyl-2-pentanone	43	10.661	10.661	(1.324)	3735686	500.000	416.3
$	47 Toluene-d8	98	10.848	10.848	(0.804)	9301568	100.000	95.72
	48 Toluene (*)	91	10.966	10.966	(0.812)	12429969	100.000	99.62
	49 trans-1,3-Dichloropropene	75	11.380	11.380	(0.843)	2654604	100.000	109.5(A)
	50 1,1,2-Trichloroethane	97	11.696	11.696	(0.866)	1780231	100.000	85.06
	51 Tetrachloroethene	164	11.972	11.972	(0.887)	6417667	100.000	98.45
	52 1,3-Dichloropropane	76	11.991	11.991	(0.888)	2895623	100.000	86.08
	53 2-Hexanone	43	12.198	12.198	(0.904)	2398740	500.000	404.3
	54 Dibromochloromethane	129	12.405	12.405	(0.919)	4388456	100.000	99.16
	55 1,2-Dibromoethane	107	12.583	12.583	(0.932)	2517836	100.000	88.81
*	56 Chlorobenzene-d5	117	13.499	13.499	(1.000)	894739	10.0000	
	57 Chlorobenzene (**)	112	13.549	13.549	(1.004)	9160029	100.000	95.50
	58 1,1,1,2-Tetrachloroethane	131	13.726	13.726	(1.017)	4601571	100.000	95.62
	59 Ethylbenzene (*)	106	13.815	13.815	(1.023)	4797985	100.000	101.3(A)
	60 m,p-Xylenes	106	14.051	14.051	(1.041)	11388791	200.000	195.3
M	61 Xylenes (total)	100				16575722	300.000	291.8
	62 o-Xylene	106	14.790	14.790	(1.096)	5186931	100.000	96.47

MM 10/14/2000

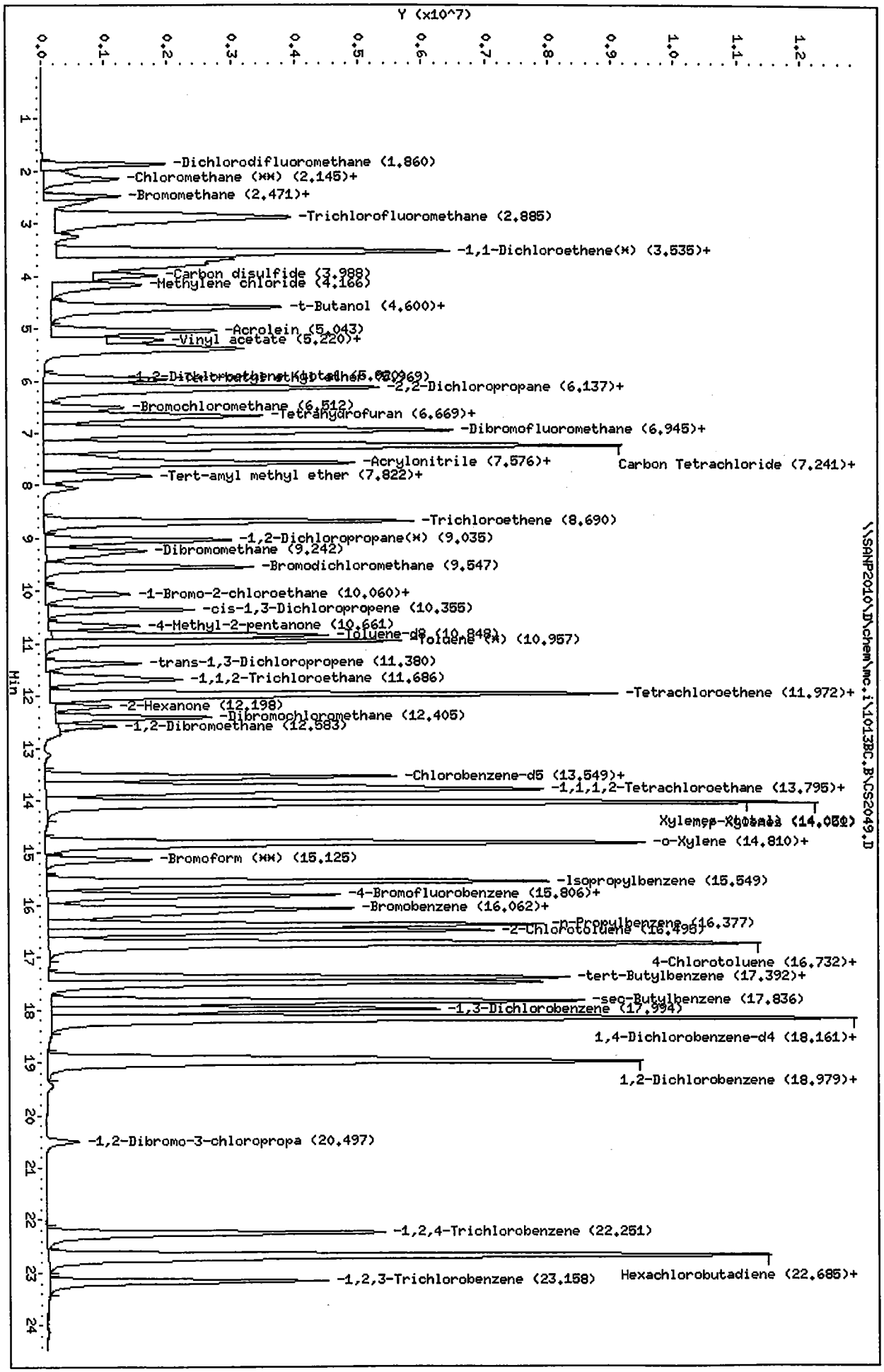
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
63 Styrene	104	14.830	14.830	(1.099)	7342583	100.000	93.43
64 Bromoform (**)	173	15.125	15.125	(1.120)	2527657	100.000	104.1(A)
65 Isopropylbenzene	105	15.549	15.549	(1.152)	19101112	100.000	101.8(A)
$ 66 4-Bromofluorobenzene	95	15.806	15.806	(1.171)	5448404	100.000	84.25
67 4-Bromofluorobenzene-2nd	174	15.815	15.815	(1.172)	4565591	100.000	83.37
68 Bromobenzene	156	16.062	16.062	(0.886)	4630916	100.000	103.6(A)
69 1,1,2,2-Tetrachloroethane(**)	83	16.141	16.141	(0.890)	2041163	100.000	95.20
70 1,2,3-Trichloropropane	110	16.180	16.180	(0.892)	547142	100.000	96.55
71 n-Propylbenzene	91	16.377	16.377	(0.903)	21894451	100.000	115.5(A)
72 2-Chlorotoluene	126	16.495	16.495	(0.910)	4011083	100.000	105.8(A)
73 4-Chlorotoluene	126	16.712	16.712	(0.922)	3879784	100.000	105.1(A)
74 1,3,5-Trimethylbenzene	105	16.752	16.752	(0.924)	14378432	100.000	108.6(A)
75 tert-Butylbenzene	119	17.392	17.392	(0.959)	16218459	100.000	111.4(A)
76 1,2,4-Trimethylbenzene	105	17.491	17.491	(0.965)	13953950	100.000	107.6(A)
77 sec-Butylbenzene	105	17.836	17.836	(0.984)	22062135	100.000	113.6(A)
78 1,3-Dichlorobenzene	146	17.994	17.994	(0.992)	8196277	100.000	102.9(A)
* 79 1,4-Dichlorobenzene-d4	152	18.131	18.131	(1.000)	466527	10.0000	
80 p-Isopropyltoluene	119	18.151	18.151	(1.001)	17346104	100.000	107.3(A)
81 1,4-Dichlorobenzene	146	18.181	18.181	(1.003)	7602010	100.000	118.4(A)
82 1,2-Dichlorobenzene	146	18.910	18.910	(1.043)	6321529	100.000	98.30
83 n-Butylbenzene	91	18.989	18.989	(1.047)	17841067	100.000	111.5(A)
84 1,2-Dibromo-3-chloropropane	157	20.497	20.497	(1.130)	497352	100.000	119.1(A)
85 1,2,4-Trichlorobenzene	180	22.251	22.251	(1.227)	6174722	100.000	104.4(A)
86 Hexachlorobutadiene	225	22.675	22.675	(1.251)	8905628	100.000	110.7(A)
87 Napthalene	128	22.714	22.714	(1.253)	3583460	100.000	95.73
88 1,2,3-Trichlorobenzene	180	23.158	23.158	(1.277)	4296867	100.000	95.58

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

Data File: \\SANP2010\D\chem\mc.i\1013BC.B\CS2049.D
Date : 13-OCT-2000 19:30
Client ID:
Sample Info: 100PPB 8260BSTD,,5,0,,8260BCL.M
Purge Volume: 25.0
Column phase: J&W DB-624

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



8260B SAMPLE / QC DATA

DATE ANALYZED: 10_15_2000

INSTRUMENT ID: MC

SAMPLES: E0J120322

STL Los Angeles

FJK 10/18/00

GC/MS VOA Run Log

Batch ID: _____

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

Inst ID: MSC	EM Set: 1647	Tune File: BFB-U	Seq File: 101SAC
Init. Cal ID: 8260BCL			Date: 101500

Inj. Time	Analyst	File ID	Work Order #	AS #	Matrix	Sample Wt/Vol	Dil.	I.S.	Run	Rerun	pH	Comments
10:42		CT1206	50ng BFB	—	—	1L	—	—	✓			MSVOA 1198-1
11:02		CS2051	10ppb 8260B	1	17	25ml	1	179	✓			IS1256-1, SM1256-2, STD R555-2
11:45		CO9831	101500ACHLCS-L	2				171	✓			QC1252-1
12:15		32	RB-L	3				157	N			Carryover
12:54		33	RB-L	3				163	✓			
13:32		34	DM09G1AA	4				161	—		<2	EO3110283-1
14:02		35	DM09K1AA	5				148	—			2
14:52		36	DM09L1AA	6				146	—			3
15:02		37	DM09H1AA	7				108	—			4
15:32		38	DM099 1AA	8				132	—			5
16:01		39	DM1AH1AA	8				88	—			6
16:31		40	DM1AN1AA	9				123	—			7
17:01		41	DM1AT1AA	10				112	—			8
17:30		42	DM1AD1AA	11				127	—			9
18:00		43	DM17 1AA	12				143	—			10
18:30		44	DM1CA1AA	13				139	—			11
18:59		45	DM1CE1AA	14				135	—			12
19:29		46	DM1CA1AC	15				92	N			Low IS 11MS
~~20:28~~	19:59	47	DM1CA1AD	16				70	N			" 11MD
~~20:28~~		48	DLW72101	1		12.5	2	136	—			EO3100272-25
20:58		49	DM3H81AD	2		1.0	25	125	—			EO3120322-1
21:27		50	DM00P101	3		0.002	12500	132	N			1pl EO3110243-1
21:57		51	DM01D101	4			12500	130	—			2
22:27		52	DM01E101	5		0.5	50	120	✓			3
22:56		53	DM01G101	6		0.002	12500	115	N			out of time 4

000065

BOE-C6-0172087

8A
VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: SDGA02609

Lab File ID (Standard): CS2051 Date Analyzed: 10/15/00

Instrument ID: MC Time Analyzed: 1102

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	1790453	8.02	1269503	13.48	761602	18.11
	UPPER LIMIT	3580906	8.52	2539006	13.98	1523204	18.61
	LOWER LIMIT	895227	7.52	634752	12.98	380801	17.61
	EPA SAMPLE NO.						
01	C09831	1717656	8.02	1202411	13.48	727626	18.12
02	C09832	1578762	8.01	1183920	13.48	689281	18.13
03	C09832	1635763	8.01	1193817	13.48	683239	18.12
04	C09834	1613426	8.00	1212600	13.48	722543	18.11
05	C09835	1481383	8.02	1105971	13.48	653629	18.12
06	C09836	1461428	8.02	1076775	13.49	644575	18.12
07	C09837	1081038	8.03	801204	13.48	458028	18.12
08	C09838	1323409	8.02	993641	13.49	605655	18.12
09	C09839	889038*	8.02	685914	13.49	416648	18.12
10	C09840	1236748	8.03	908552	13.49	527250	18.12
11	C09841	1127579	8.02	868915	13.49	521005	18.12
12	C09842	1270488	8.02	958776	13.48	580522	18.12
13	C09843	1432899	8.01	1072426	13.48	642738	18.12
14	C09844	1390798	8.02	1000047	13.48	587308	18.12
15	C09845	1350014	8.02	1034963	13.48	607958	18.12
16	C09846	820464*	8.01	625409*	13.47	405091	18.11
17	C09847	703452*	8.00	537656*	13.48	355489*	18.11
18	C09848	1363266	8.02	1015942	13.48	615104	18.11
19	C09849	1252568	8.02	939231	13.48	561723	18.11
20	C09850	1320366	8.01	977353	13.48	583440	18.11
21	C09851	1306604	8.02	958848	13.48	591927	18.11
22	C09852	1203718	8.01	911407	13.48	552362	18.11

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.

8A
VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: SDGA02609

Lab File ID (Standard): CS2051 Date Analyzed: 10/15/00

Instrument ID: MC Time Analyzed: 1102

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	1790453	8.02	1269503	13.48	761602	18.11
	UPPER LIMIT	3580906	8.52	2539006	13.98	1523204	18.61
	LOWER LIMIT	895227	7.52	634752	12.98	380801	17.61
	EPA SAMPLE NO.						
01	C09853	1154302	8.02	836386	13.47	485628	18.11
02							
03							
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
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.

Data File: \\SANP2010\D\CHEM\MC.I\1015AC.B\CT1206.D

Date : 15-OCT-2000 10:42

Client ID:

Instrument: mc.i

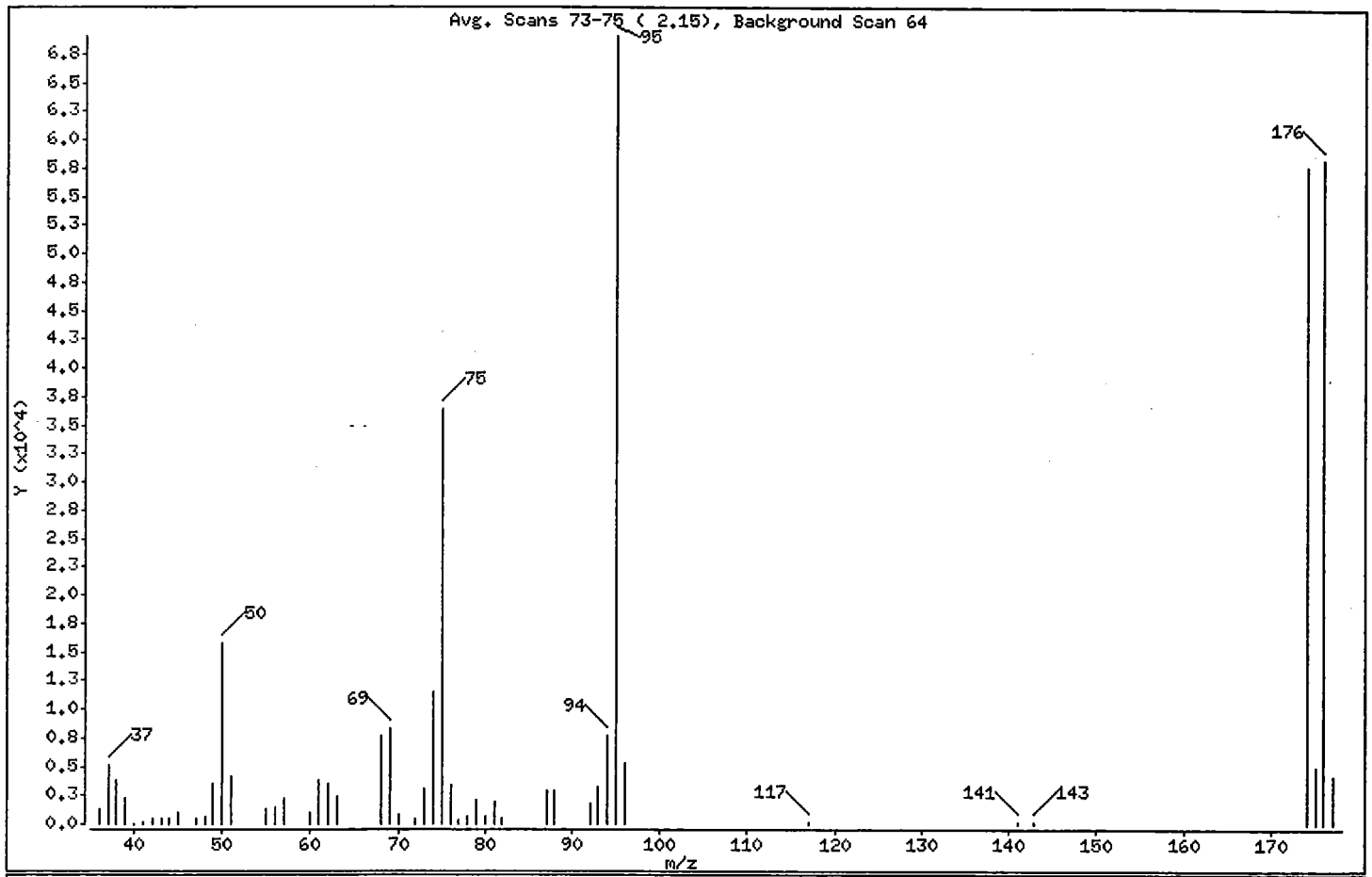
Sample Info: 50NG BFB,BFB,,,,,,BFB.M

Operator: RRT

Column phase: J&W DB-624

Column diameter: 0.53

1 p-Bromofluorobenzene



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	22.77
75	30.00 - 60.00% of mass 95	52.64
96	5.00 - 9.00% of mass 95	7.58
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	83.67
175	5.00 - 9.00% of mass 174	7.16 (8.55)
176	95.00 - 101.00% of mass 174	84.51 (101.00)
177	5.00 - 9.00% of mass 176	5.90 (6.98)

10-16-00

STL Los Angeles

Data file : \\SANP2010\D\CHEM\MC.I\1015AC.B\CT1206.D
Lab Smp Id:
Inj Date : 15-OCT-2000 10:42
Operator : RRT Inst ID: mc.i
Smp Info : 50NG BFB,BFB,,,,,,BFB.M
Misc Info : ,,,,3,ALL.SUB
Comment :
Method : \\SANP2010\D\CHEM\MC.I\1015AC.B\BFB.M
Meth Date : 23-May-2000 08:08 kentf 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: SANP2010

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 p-Bromofluorobenzene						CAS #: 460-00-4		
2.1486	2.1000	(0.000)	95	69050			0.00- 100.00	100.00
2.1486	2.1000	(0.000)	50	15720			15.00- 40.00	22.77
2.1486	2.1000	(0.000)	75	36346			30.00- 60.00	52.64
2.1486	2.1000	(0.000)	96	5236			5.00- 9.00	7.58
2.1486	2.1000	(0.000)	173	0			0.00- 2.00	0.00
2.1486	2.1000	(0.000)	174	57776			50.00- 0.00	83.67
2.1486	2.1000	(0.000)	175	4942			5.00- 9.00	8.55
2.1486	2.1000	(0.000)	176	58352			95.00- 101.00	101.00
2.1486	2.1000	(0.000)	177	4071			5.00- 9.00	6.98

Data File: \\SANP2010\D\CHEM\MC.I\1015AC.B\CT1206.D

Date : 15-OCT-2000 10:42

Client ID:

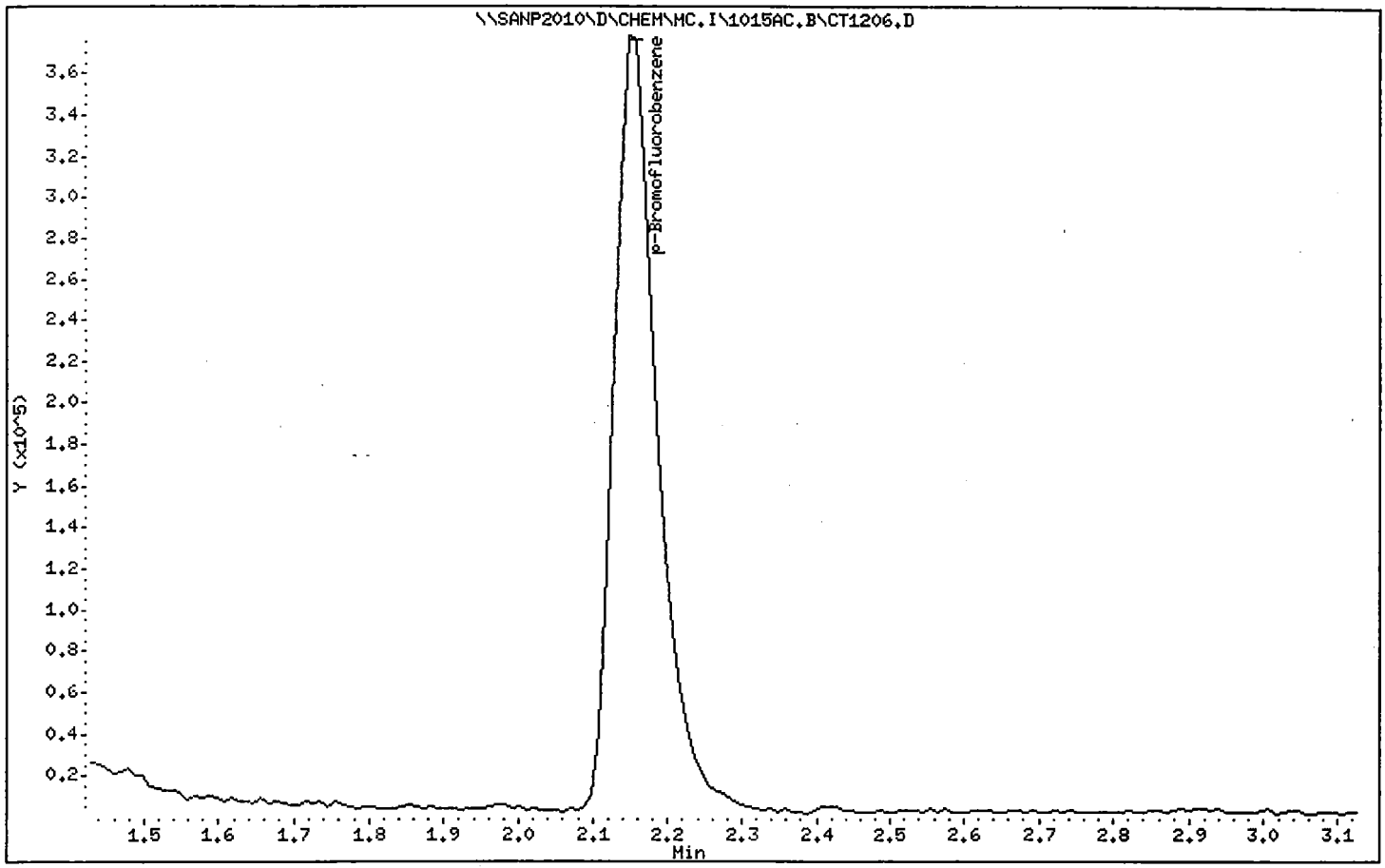
Instrument: mc.i

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

Operator: RRT

Column phase: J&W DB-624

Column diameter: 0.53



Data File: \\SANP2010\D\CHEM\MC.I\1015AC.B\CT1206.D

Date : 15-OCT-2000 10:42

Client ID:

Instrument: mc.i

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

Operator: RRT

Column phase: J&W DB-624

Column diameter: 0.53

Data File: CT1206.D
Spectrum: Avg. Scans 73-75 (2.15), Background Scan 64
Location of Maximum: 95.00
Number of points: 50

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1265	50.00	15720	73.00	3091	93.00	3152
37.00	5134	51.00	4154	74.00	11494	94.00	7639
38.00	3819	55.00	1262	75.00	36344	95.00	69048
39.00	2147	56.00	1413	76.00	3291	96.00	5236
40.00	64	57.00	2219	77.00	386	117.00	194
41.00	154	60.00	998	78.00	587	141.00	170
42.00	501	61.00	3884	79.00	2070	143.00	181
43.00	493	62.00	3460	80.00	662	174.00	57776
44.00	536	63.00	2454	81.00	1841	175.00	4942
45.00	935	68.00	7574	82.00	423	176.00	58352
47.00	492	69.00	8306	87.00	2923	177.00	4071
48.00	655	70.00	775	88.00	2778		
49.00	3475	72.00	412	92.00	1812		

STL Los Angeles

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mc.i
Lab File ID: CS2051.D
Analysis Type: WATER
Lab Sample ID: 10PPB 8260BSTD Quant Type: ISTD
Method: \\SANP2010\D\CHEM\MC.I\1015AC.B\8260BCL.m

Injection Date: 15-OCT-2000 11:02
Init. Cal. Date(s): 13-OCT-2000 13-OCT-2000
Init. Cal. Times: 17:00 19:30

	COMPOUND	RRF	RF10	MIN RRF	%D	MAX %D	
	1 Dichlorodifluoromethane	0.47812	0.40799	0.010	-14.7	50.0	
	2 Chloromethane (**)	0.17821	0.17907	0.100	0.5	50.0	
	3 Vinyl chloride (*)	0.21289	0.22556	0.010	5.9	20.0	
	4 Bromomethane	0.22509	0.24474	0.010	8.7	50.0	
	5 Chloroethane	0.13761	0.14968	0.010	8.8	50.0	
	6 Trichlorofluoromethane	0.79484	0.73014	0.010	-8.1	50.0	
	7 Acrolein	0.01737	0.01733	0.010	-0.3	50.0	
	8 1,1-Dichloroethene(*)	0.28621	0.27572	0.010	-3.7	20.0	
	9 1,1,2-Trichlorotrifluoroeth	0.47679	0.44763	0.010	-6.1	50.0	
	10 Iodomethane	0.51178	0.52189	0.010	2.0	50.0	
	11 Acetone	0.02094	0.02009	0.010	-4.0	50.0	
	12 Carbon disulfide	0.56701	0.82535	0.010	45.6	50.0	
	13 Methylene chloride	0.22775	0.24544	0.010	7.8	50.0	
	14 Acrylonitrile	0.00290	0.00328	0.010	13.4	50.0	<-
	15 t-Butanol	0.00522	0.00512	0.010	-2.0	20.0	<-
	16 Vinyl acetate	0.30083	0.27270	0.010	-9.3	50.0	
	17 trans-1,2-Dichloroethene	0.32739	0.34158	0.010	4.3	20.0	
	18 Methyl-tert-butyl ether[MTB	0.28643	0.27845	0.010	-2.8	50.0	
	19 1,1-Dichloroethane (**)	0.52501	0.51265	0.100	-2.4	20.0	
	20 Isopropyl ether	0.69947	0.72556	0.010	3.7	20.0	
	21 Tert-butyl ethyl ether	0.56109	0.56684	0.010	1.0	20.0	
M	22 1,2-Dichloroethene (total)	0.31727	0.33375	0.010	5.2	20.0	
	23 2,2-Dichloropropane	0.31788	0.20752	0.010	-34.7	50.0	
	24 cis-1,2-Dichloroethene	0.30715	0.32592	0.010	6.1	20.0	
	25 2-Butanone	0.02365	0.02131	0.010	-9.9	50.0	
	26 Bromochloromethane	0.14855	0.16227	0.010	9.2	50.0	
	27 Tetrahydrofuran	0.01188	0.01652	0.010	39.1	50.0	
	28 Chloroform (*)	0.76245	0.74291	0.010	-2.6	20.0	
$	29 Dibromofluoromethane	0.53385	0.54854	0.010	2.8	50.0	
	30 1,1,1-Trichloroethane	0.74110	0.71737	0.010	-3.2	20.0	
	31 Carbon Tetrachloride	0.69529	0.68067	0.010	-2.1	20.0	
	32 1,1-Dichloropropene	0.57059	0.55676	0.010	-2.4	50.0	
$	33 1,2-Dichloroethane-d4	0.24971	0.24354	0.010	-2.5	50.0	
	34 1,2-Dichloroethane-d4 2nd	0.04403	0.05097	0.010	15.8	50.0	
	35 Benzene	0.79444	0.83733	0.010	5.4	20.0	

10-16-00

STL Los Angeles

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mc.i
Lab File ID: CS2051.D
Analysis Type: WATER
Lab Sample ID: 10PPB 8260BSTD
Method: \\SANP2010\D\CHEM\MC.I\1015AC.B\8260BCL.m

Injection Date: 15-OCT-2000 11:02
Init. Cal. Date(s): 13-OCT-2000 13-OCT-2000
Init. Cal. Times: 17:00 19:30
Quant Type: ISTD

	COMPOUND	RRF	RF10	MIN RRF	%D	MAX %D	
	36 1,2-Dichloroethane	0.32092	0.30767	0.010	-4.1	20.0	
	37 Tert-amyl methyl ether	0.40327	0.43585	0.010	8.1	20.0	
	39 Trichloroethene	0.50327	0.50284	0.010	-0.1	20.0	
	40 1,2-Dichloropropane(*)	0.27539	0.28651	0.010	4.0	20.0	
	41 Dibromomethane	0.18816	0.19412	0.010	3.2	50.0	
	42 Bromodichloromethane	0.54942	0.57303	0.010	4.3	20.0	
	43 2-Chloroethylvinyl ether	0.00485	0.00694	0.010	43.0	50.0	<-
	44 1-Bromo-2-chloroethane	0.25567	0.28464	0.010	11.3	50.0	
	45 cis-1,3-Dichloropropene	0.31011	0.31496	0.010	1.6	50.0	
	46 4-Methyl-2-pentanone	0.06770	0.07130	0.010	5.3	50.0	
$	47 Toluene-d8	1.08611	1.11726	0.010	2.9	50.0	
	48 Toluene (*)	1.39458	1.47804	0.010	6.0	20.0	
	49 trans-1,3-Dichloropropene	0.27496	0.26319	0.010	-4.3	50.0	
	50 1,1,2-Trichloroethane	0.23393	0.25205	0.010	7.7	50.0	
	51 Tetrachloroethene	0.72855	0.76198	0.010	4.6	20.0	
	52 1,3-Dichloropropane	0.37597	0.40627	0.010	8.1	50.0	
	53 2-Hexanone	0.06631	0.06442	0.010	-2.9	50.0	
	54 Dibromochloromethane	0.49465	0.53546	0.010	8.3	50.0	
	55 1,2-Dibromoethane	0.31686	0.31801	0.010	0.4	50.0	
	57 Chlorobenzene (**)	1.07199	1.11907	0.300	4.4	50.0	
	58 1,1,1,2-Tetrachloroethane	0.53784	0.58928	0.010	9.6	50.0	
	59 Ethylbenzene (*)	0.52935	0.55135	0.010	4.2	20.0	
	60 m,p-Xylenes	0.65171	0.70421	0.010	8.1	20.0	
M	61 Xylenes (total)	0.63479	0.68319	0.010	7.6	20.0	
	62 o-Xylene	0.60095	0.64115	0.010	6.7	20.0	
	63 Styrene	0.87833	0.95587	0.010	8.8	50.0	
	64 Bromoform (**)	0.27134	0.31159	0.100	14.8	50.0	
	65 Isopropylbenzene	2.09661	2.18269	0.010	4.1	50.0	
$	66 4-Bromofluorobenzene	0.72278	0.72633	0.010	0.5	50.0	
	67 4-Bromofluorobenzene-2nd	0.61205	0.61619	0.010	0.7	50.0	
	68 Bromobenzene	0.95805	0.98612	0.010	2.9	50.0	
	69 1,1,2,2-Tetrachloroethane(*	0.45959	0.50325	0.300	9.5	50.0	
	70 1,2,3-Trichloropropane	0.12147	0.13849	0.010	14.0	50.0	
	71 n-Propylbenzene	4.06276	4.05097	0.010	-0.3	50.0	
	72 2-Chlorotoluene	0.81296	0.85247	0.010	4.9	50.0	
	73 4-Chlorotoluene	0.79102	0.82746	0.010	4.6	50.0	

STL Los Angeles

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mc.i
Lab File ID: CS2051.D
Analysis Type: WATER
Lab Sample ID: 10PPB 8260BSTD
Method: \\SANP2010\D\CHEM\MC.I\1015AC.B\8260BCL.m

Injection Date: 15-OCT-2000 11:02
Init. Cal. Date(s): 13-OCT-2000 13-OCT-2000
Init. Cal. Times: 17:00 19:30
Quant Type: ISTD

COMPOUND	RRF	RF10	MIN RRF	%D	MAX %D
74 1,3,5-Trimethylbenzene	2.83677	2.96077	0.010	4.4	50.0
75 tert-Butylbenzene	3.12145	3.16336	0.010	1.3	50.0
76 1,2,4-Trimethylbenzene	2.77919	2.83710	0.010	2.1	50.0
77 sec-Butylbenzene	4.16324	4.23236	0.010	1.7	50.0
78 1,3-Dichlorobenzene	1.70685	1.73211	0.010	1.5	50.0
80 p-Isopropyltoluene	3.46639	3.52020	0.010	1.6	50.0
81 1,4-Dichlorobenzene	1.72203	1.81654	0.010	5.5	50.0
82 1,2-Dichlorobenzene	1.37848	1.41622	0.010	2.7	50.0
83 n-Butylbenzene	3.43040	3.44046	0.010	0.3	50.0
84 1,2-Dibromo-3-chloropropane	0.08952	0.09796	0.010	9.4	50.0
85 1,2,4-Trichlorobenzene	1.26756	1.25947	0.010	-0.6	50.0
86 Hexachlorobutadiene	1.72387	1.76203	0.010	2.2	50.0
87 Napthalene	0.80240	0.78501	0.010	-2.2	20.0
88 1,2,3-Trichlorobenzene	0.96366	0.95020	0.010	-1.4	50.0

STL Los Angeles Calibration Internal Standard Area Check

CCV File : \\SANP2010\D\chem\mc.i\1015AC.B/CS2051.D
Inj. Date : 15-OCT-2000 11:02

ICAL Mid Point : //SANP2010/D/chem/mc.i/1013BC.B/CS2047.D
Inj. Date : 13-OCT-2000 18:30

IS NAME	ICAL RT	CCV RT	DIFF.	ICAL AREA	CCV AREA	%DIFF.
Fluorobenzene	8.02	8.02	0.00	1611523	1790453	111.1%
Chlorobenzene-d5	13.49	13.48	0.01	1203388	1269503	105.5%
1,4-Dichlorobenzene-d4	18.11	18.11	0.00	758273	761602	100.4%

8260B Area difference criteria: 50%-200%

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mc.i
Lab File ID: CS2051.D
Lab Smp Id: 10PPB 8260BSTD
Analysis Type: VOA
Quant Type: ISTD
Operator: RRT
Method File: \\SANP2010\D\CHEM\MC.I\1015AC.B\8260BCL.m
Misc Info: ,25,,,2,1-8260B.SUB

Calibration Date: 15-OCT-2000
Calibration Time: 11:02

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1790453	895227	3580906	1790453	0.00
56 Chlorobenzene-d5	1269503	634752	2539006	1269503	0.00
79 1,4-Dichlorobenze	761602	380801	1523204	761602	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	8.02	7.52	8.52	8.02	0.00
56 Chlorobenzene-d5	13.48	12.98	13.98	13.48	0.00
79 1,4-Dichlorobenze	18.11	17.61	18.61	18.11	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 : \\SANP2010\D\chem\mc.i\1015AC.B\CS2051.D
Lab Smp Id: 10PPB 8260BSTD
Inj Date : 15-OCT-2000 11:02
Operator : RRT Inst ID: mc.i
Smp Info : 10PPB 8260BSTD,,,3,0,,,8260BCL.M
Misc Info : ,25,,,2,1-8260B.SUB
Comment :
Method : \\SANP2010\D\CHEM\MC.I\1015AC.B\8260BCL.m
Meth Date : 15-Oct-2000 11:33 DONGA Quant Type: ISTD
Cal Date : 13-OCT-2000 19:30 Cal File: CS2049.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: SANP2010

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	1.859	1.859	(0.232)	730482	10.0000	8.53
2 Chloromethane (**)	50	2.095	2.095	(0.261)	320613	10.0000	10.05
3 Vinyl chloride (*)	62	2.154	2.154	(0.269)	403853	10.0000	10.59
4 Bromomethane	94	2.489	2.489	(0.310)	438189	10.0000	10.87
5 Chloroethane	64	2.598	2.598	(0.324)	268000	10.0000	10.88
6 Trichlorofluoromethane	101	2.884	2.884	(0.360)	1307274	10.0000	9.18
7 Acrolein	56	4.993	4.993	(0.623)	310223	100.000	99.74
8 1,1-Dichloroethene(*)	96	3.494	3.494	(0.436)	493661	10.0000	9.63
9 1,1,2-Trichlorotrifluoroethan	151	3.514	3.514	(0.438)	801459	10.0000	9.39
10 Iodomethane	142	3.672	3.672	(0.458)	1868822	20.0000	20.40
11 Acetone	43	3.544	3.544	(0.442)	179891	50.0000	47.98
12 Carbon disulfide	76	3.771	3.771	(0.470)	1477758	10.0000	14.56
13 Methylene chloride	84	4.155	4.155	(0.518)	439441	10.0000	10.78
14 Acrylonitrile	53	7.427	7.427	(0.926)	58796	100.000	113.4(Q)
15 t-Butanol	59	4.382	4.382	(0.546)	36655	40.0000	39.18(Q)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	16 Vinyl acetate	43	5.347	5.347	(0.667)	976520	20.0000	18.13
	17 trans-1,2-Dichloroethene	96	4.549	4.549	(0.567)	611578	10.0000	10.43
	18 Methyl-tert-butyl ether[MTBE]	73	4.588	4.588	(0.572)	498547	10.0000	9.72
	19 1,1-Dichloroethane (**)	63	5.180	5.180	(0.646)	917884	10.0000	9.76
	20 Isopropyl ether	45	5.367	5.367	(0.669)	1299076	10.0000	10.37
	21 Tert-butyl ethyl ether	59	5.939	5.939	(0.741)	1014904	10.0000	10.10
M	22 1,2-Dichloroethene (total)	100				1195116	20.0000	21.04
	23 2,2-Dichloropropane	77	6.096	6.096	(0.760)	371557	10.0000	6.53
	24 cis-1,2-Dichloroethene	96	6.106	6.106	(0.762)	583538	10.0000	10.61
	25 2-Butanone	43	6.156	6.156	(0.768)	190800	50.0000	45.05
	26 Bromochloromethane	128	6.471	6.471	(0.807)	290540	10.0000	10.92
	27 Tetrahydrofuran	42	6.619	6.619	(0.825)	29579	10.0000	13.91
	28 Chloroform (*)	83	6.638	6.638	(0.828)	1330137	10.0000	9.74
$	29 Dibromofluoromethane	111	6.895	6.895	(0.860)	982128	10.0000	10.28
	30 1,1,1-Trichloroethane	97	6.915	6.915	(0.862)	1284418	10.0000	9.68
	31 Carbon Tetrachloride	117	7.200	7.200	(0.898)	1218705	10.0000	9.79
	32 1,1-Dichloropropene	75	7.190	7.190	(0.897)	996860	10.0000	9.76
$	33 1,2-Dichloroethane-d4	65	7.437	7.437	(0.927)	436046	10.0000	9.75
	34 1,2-Dichloroethane-d4 2nd	102	7.427	7.427	(0.926)	91262	10.0000	11.58(Q)
	35 Benzene	78	7.535	7.535	(0.940)	1499204	10.0000	10.54
	36 1,2-Dichloroethane	62	7.555	7.555	(0.942)	550860	10.0000	9.59
	37 Tert-amyl methyl ether	73	7.801	7.801	(0.973)	780374	10.0000	10.81
*	38 Fluorobenzene	96	8.018	8.018	(1.000)	1790453	10.0000	
	39 Trichloroethene	130	8.649	8.649	(1.079)	900304	10.0000	9.99
	40 1,2-Dichloropropane(*)	63	9.024	9.024	(1.125)	512981	10.0000	10.40
	41 Dibromomethane	93	9.211	9.211	(1.149)	347562	10.0000	10.32
	42 Bromodichloromethane	83	9.526	9.526	(1.188)	1025982	10.0000	10.43
	43 2-Chloroethylvinyl ether	106	10.127	10.127	(1.263)	24853	20.0000	28.61(Q)
	44 1-Bromo-2-chloroethane	63	10.039	10.039	(1.252)	509640	10.0000	11.13
	45 cis-1,3-Dichloropropene	75	10.334	10.334	(1.289)	563920	10.0000	10.16
	46 4-Methyl-2-pentanone	43	10.660	10.660	(1.329)	638286	50.0000	52.66
$	47 Toluene-d8	98	10.817	10.817	(0.803)	1418370	10.0000	10.29
	48 Toluene (*)	91	10.936	10.936	(0.811)	1876381	10.0000	10.60
	49 trans-1,3-Dichloropropene	75	11.359	11.359	(0.843)	334126	10.0000	9.57
	50 1,1,2-Trichloroethane	97	11.685	11.685	(0.867)	319983	10.0000	10.77
	51 Tetrachloroethene	164	11.941	11.941	(0.886)	967339	10.0000	10.46
	52 1,3-Dichloropropane	76	11.970	11.970	(0.888)	515755	10.0000	10.80
	53 2-Hexanone	43	12.207	12.207	(0.906)	408895	50.0000	48.57
	54 Dibromochloromethane	129	12.384	12.384	(0.919)	679768	10.0000	10.82
	55 1,2-Dibromoethane	107	12.562	12.562	(0.932)	403716	10.0000	10.04
*	56 Chlorobenzene-d5	117	13.478	13.478	(1.000)	1269503	10.0000	
	57 Chlorobenzene (**)	112	13.528	13.528	(1.004)	1420667	10.0000	10.44
	58 1,1,1,2-Tetrachloroethane	131	13.705	13.705	(1.017)	748095	10.0000	10.96
	59 Ethylbenzene (*)	106	13.784	13.784	(1.023)	699937	10.0000	10.42
	60 m,p-Xylenes	106	14.020	14.020	(1.040)	1787996	20.0000	21.61
M	61 Xylenes (total)	100				2601933	30.0000	32.28
	62 o-Xylene	106	14.779	14.779	(1.097)	813937	10.0000	10.67

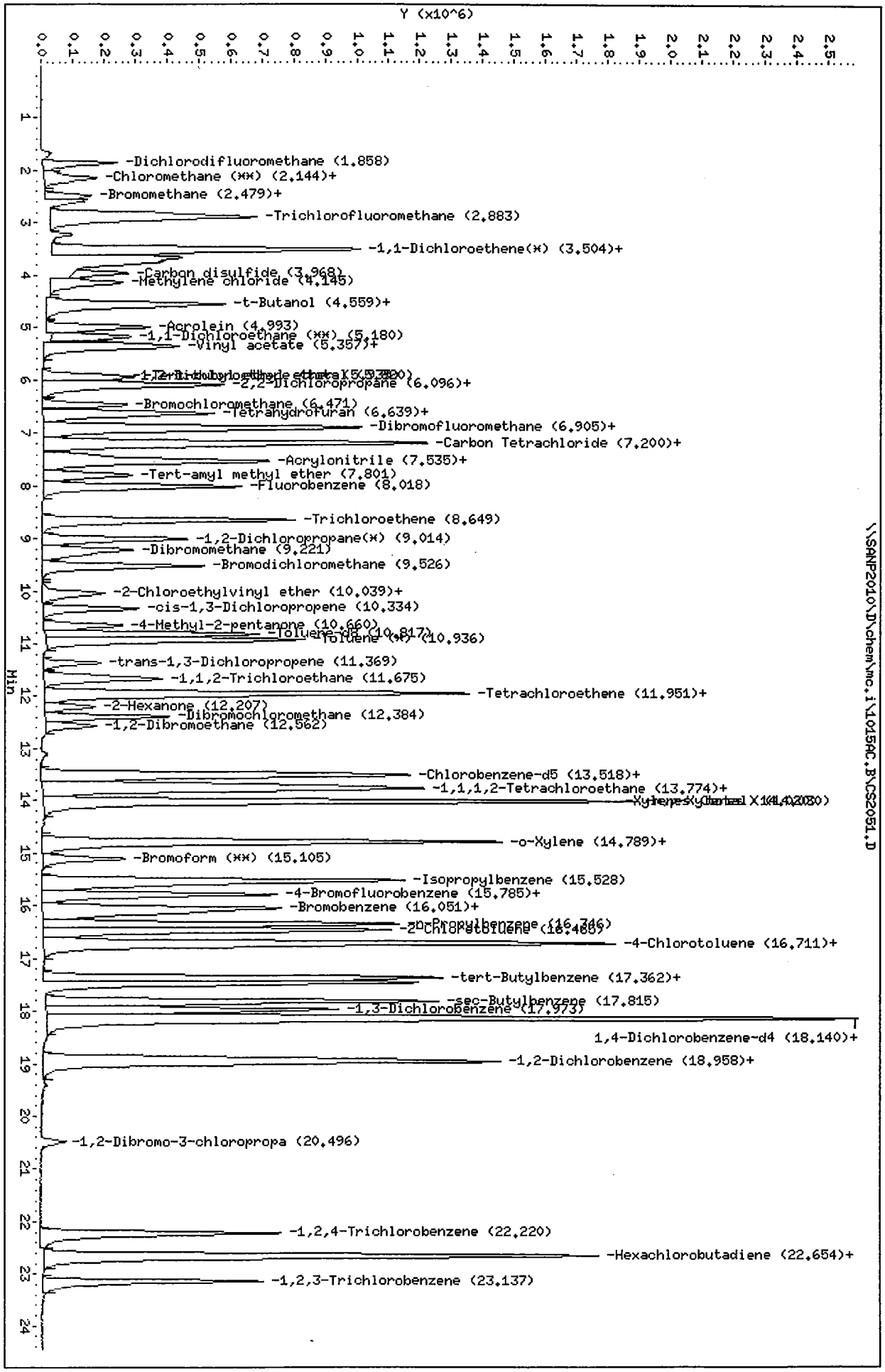
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
63 Styrene	104	14.809	14.809	(1.099)	1213482	10.0000	10.88
64 Bromoform (**)	173	15.105	15.105	(1.121)	395566	10.0000	11.48
65 Isopropylbenzene	105	15.519	15.519	(1.151)	2770928	10.0000	10.41
$ 66 4-Bromofluorobenzene	95	15.795	15.795	(1.172)	922075	10.0000	10.05
67 4-Bromofluorobenzene-2nd	174	15.795	15.795	(1.172)	782258	10.0000	10.07
68 Bromobenzene	156	16.051	16.051	(0.886)	751033	10.0000	10.29
69 1,1,2,2-Tetrachloroethane(**)	83	16.120	16.120	(0.890)	383276	10.0000	10.95
70 1,2,3-Trichloropropane	110	16.159	16.159	(0.892)	105471	10.0000	11.40(Q)
71 n-Propylbenzene	91	16.356	16.356	(0.903)	3085226	10.0000	9.97
72 2-Chlorotoluene	126	16.465	16.465	(0.909)	649242	10.0000	10.49(Q)
73 4-Chlorotoluene	126	16.701	16.701	(0.922)	630195	10.0000	10.46
74 1,3,5-Trimethylbenzene	105	16.731	16.731	(0.924)	2254926	10.0000	10.44
75 tert-Butylbenzene	119	17.362	17.362	(0.959)	2409220	10.0000	10.13
76 1,2,4-Trimethylbenzene	105	17.470	17.470	(0.965)	2160739	10.0000	10.21
77 sec-Butylbenzene	105	17.815	17.815	(0.984)	3223373	10.0000	10.17
78 1,3-Dichlorobenzene	146	17.973	17.973	(0.992)	1319178	10.0000	10.15
* 79 1,4-Dichlorobenzene-d4	152	18.111	18.111	(1.000)	761602	10.0000	(Q)
80 p-Isopropyltoluene	119	18.140	18.140	(1.002)	2680990	10.0000	10.16
81 1,4-Dichlorobenzene	146	18.160	18.160	(1.003)	1383481	10.0000	10.55(H)
82 1,2-Dichlorobenzene	146	18.899	18.899	(1.044)	1078598	10.0000	10.27
83 n-Butylbenzene	91	18.968	18.968	(1.047)	2620260	10.0000	10.03
84 1,2-Dibromo-3-chloropropane	157	20.496	20.496	(1.132)	74604	10.0000	10.94
85 1,2,4-Trichlorobenzene	180	22.230	22.230	(1.227)	959218	10.0000	9.94
86 Hexachlorobutadiene	225	22.654	22.654	(1.251)	1341968	10.0000	10.22
87 Napthalene	128	22.684	22.684	(1.253)	597866	10.0000	9.78
88 1,2,3-Trichlorobenzene	180	23.137	23.137	(1.278)	723671	10.0000	9.86

QC Flag Legend

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

Data File: \\SANP2010\D\chem\mc.i\1015AC.B\CS2051.D
Date : 15-OCT-2000 11:02
Client ID:
Sample Info: 10PPB 8260BSTD,,3,0,,8260BCL,M
Purge Volume: 25.0
Column phase: J&W DB-624

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



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2010\D\CHEM\MC.I\1015AC.B\C09833.D
Lab Smp Id: MB-1015AC Client Smp ID: C09832
Inj Date : 15-OCT-2000 12:54
Operator : RRT Inst ID: mc.i
Smp Info : MB-1015AC,BLANK,1,,0,1,0,8260BCL.M,C09832
Misc Info : ,25,,,3,1-8260B.SUB
Comment :
Method : \\SANP2010\D\CHEM\MC.I\1015AC.B\8260BCL.m
Meth Date : 15-Oct-2000 11:33 DONGA Quant Type: ISTD
Cal Date : 13-OCT-2000 19:30 Cal File: CS2049.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: SANP2010

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)
14 Acrylonitrile	53	7.431	7.427	(0.927)	38250	80.7423	80.74(Q)
$ 29 Dibromofluoromethane	111	6.898	6.895	(0.861)	887483	10.1630	10.16
$ 33 1,2-Dichloroethane-d4	65	7.431	7.437	(0.927)	393489	9.63327	9.63
34 1,2-Dichloroethane-d4 2nd	102	7.440	7.427	(0.929)	74119	10.2916	10.29
37 Tert-amyl methyl ether	73	8.012	7.801	(1.000)	27054	0.41013	0.410(a)
* 38 Fluorobenzene	96	8.012	8.018	(1.000)	1635763	10.0000	
$ 47 Toluene-d8	98	10.821	10.817	(0.803)	1293892	9.97901	9.98
* 56 Chlorobenzene-d5	117	13.482	13.478	(1.000)	1193817	10.0000	
$ 66 4-Bromofluorobenzene	95	15.798	15.795	(1.172)	851476	9.86796	9.87
67 4-Bromofluorobenzene-2nd	174	15.808	15.795	(1.173)	703867	9.63312	9.63
* 79 1,4-Dichlorobenzene-d4	152	18.124	18.111	(1.000)	683239	10.0000	(Q)

QC Flag Legend

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

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mc.i
Lab File ID: C09833.D
Lab Smp Id: MB-1015AC
Analysis Type: VOA
Quant Type: ISTD
Operator: RRT
Method File: \\SANP2010\D\CHEM\MC.I\1015AC.B\8260BCL.m
Misc Info: ,25,,,3,1-8260B.SUB

Calibration Date: 15-OCT-2000
Calibration Time: 11:02
Client Smp ID: C09832
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1790453	895227	3580906	1635763	-8.64
56 Chlorobenzene-d5	1269503	634752	2539006	1193817	-5.96
79 1,4-Dichlorobenze	761602	380801	1523204	683239	-10.29

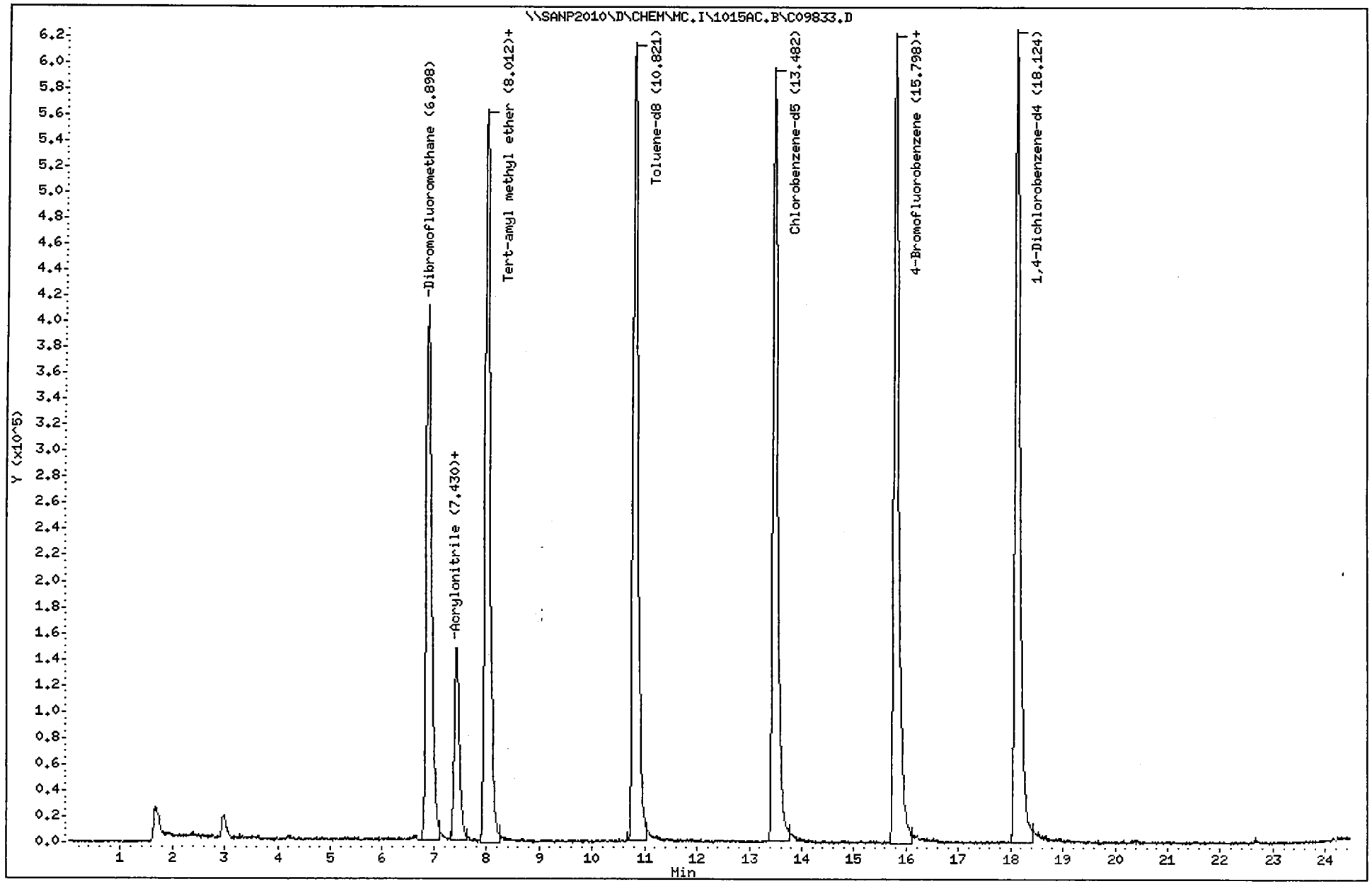
COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	8.02	7.52	8.52	8.01	-0.08
56 Chlorobenzene-d5	13.48	12.98	13.98	13.48	0.03
79 1,4-Dichlorobenze	18.11	17.61	18.61	18.12	0.07

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.

Data File: \\SANP2010\D\CHEM\MC.I\1015AC.B\C09833.D
Date : 15-OCT-2000 12:54
Client ID: C09832
Sample Info: MB-1015AC,BLANK,1,,0,1,0,8260BCL.M,C09832
Purge Volume: 25.0
Column phase: J&W DB-624

Instrument: mc.i

Operator: RRT
Column diameter: 0.53



000084

BOE-C6-0172106

Data File: \\SANP2010\D\CHEM\MC.I\1015AC.B\C09833.D

Date : 15-OCT-2000 12:54

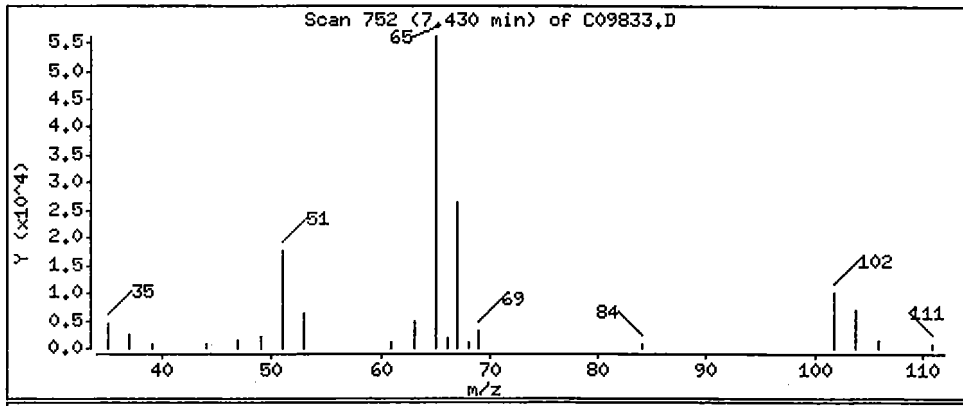
Client ID: C09832 Instrument: mc.i

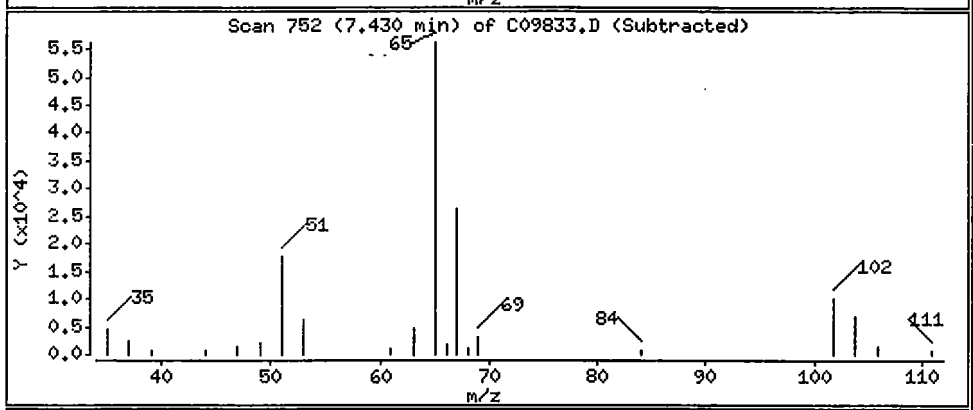
Sample Info: MB-1015AC,BLANK,1,,0,1,0,8260BCL.M,C09832

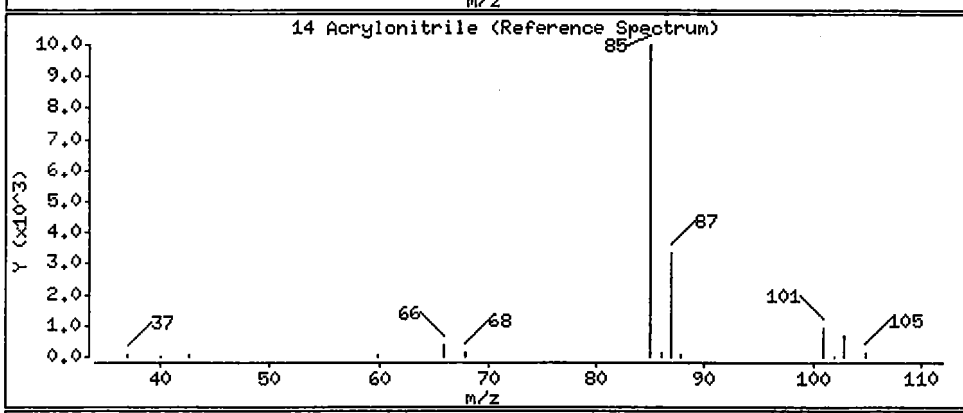
Purge Volume: 25.0 Operator: RRT

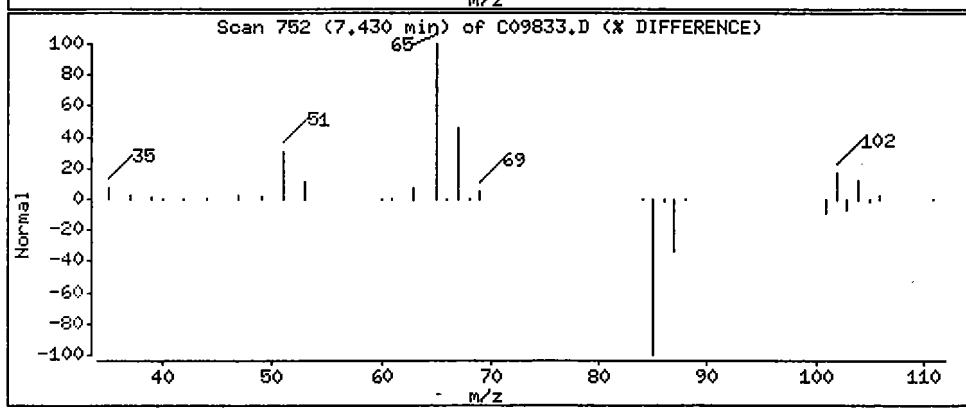
Column phase: J&W DB-624 Column diameter: 0.53

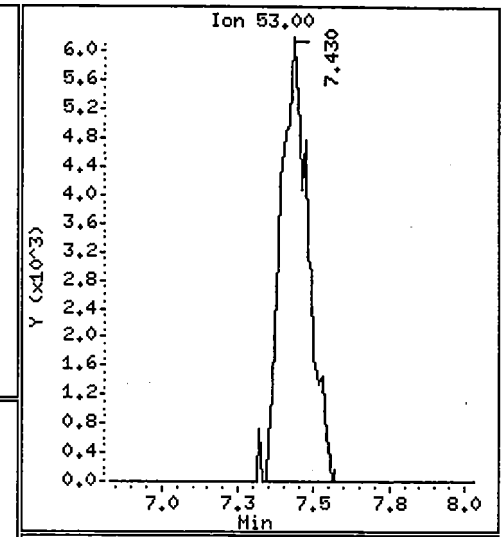
14 Acrylonitrile Concentration: 80.74 ug/L

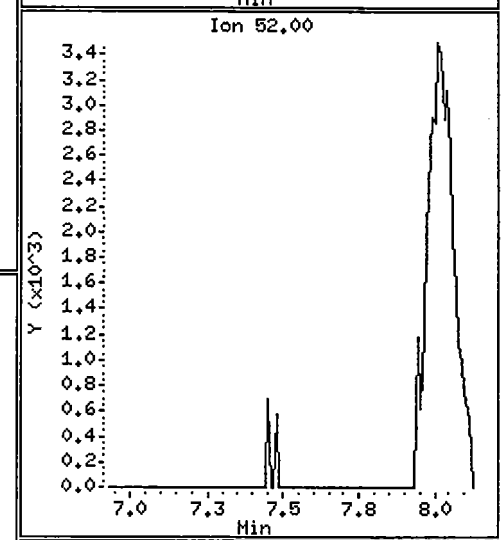


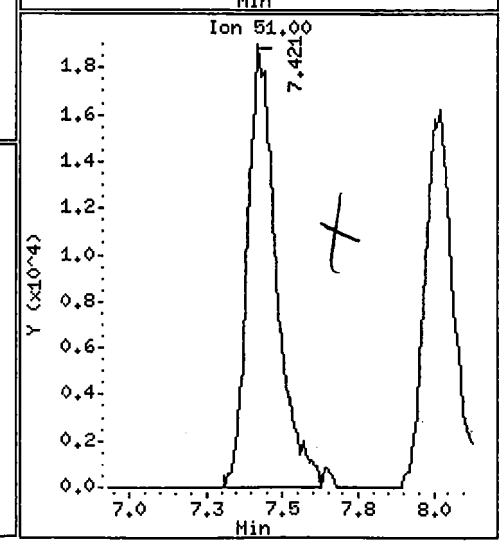












Data File: \\SANP2010\D\CHEM\MC.I\1015AC.B\C09833.D

Date : 15-OCT-2000 12:54

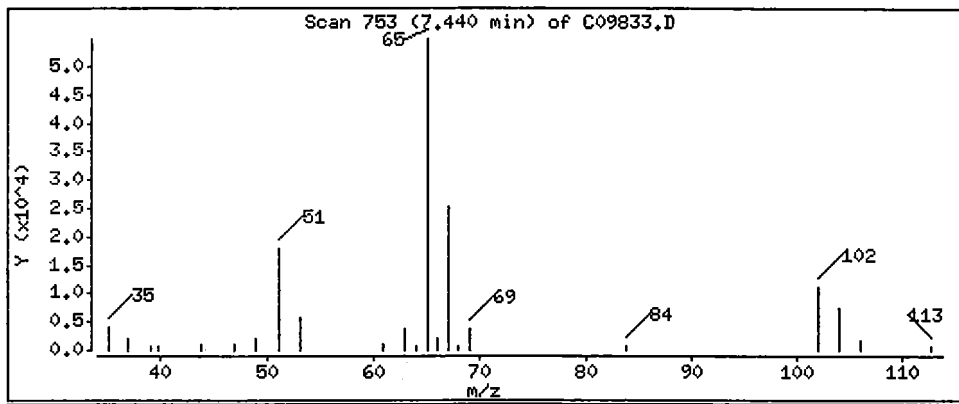
Client ID: C09832 Instrument: mc.i

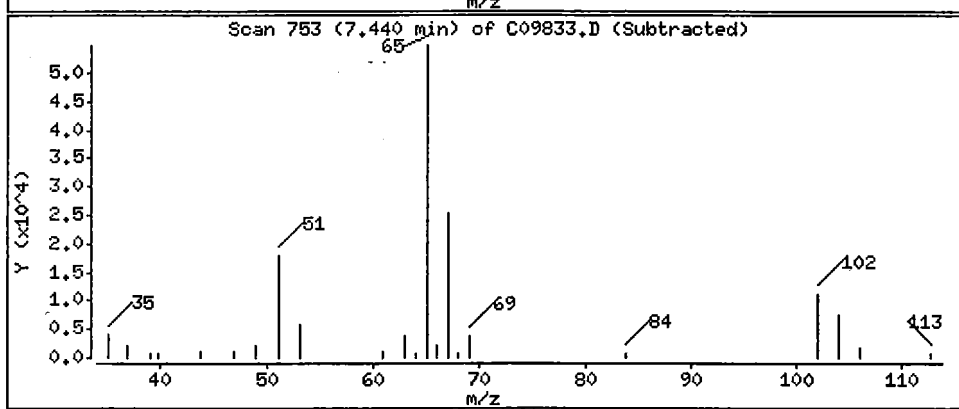
Sample Info: MB-1015AC,BLANK,1,,0,1,0,8260BCL.M,C09832

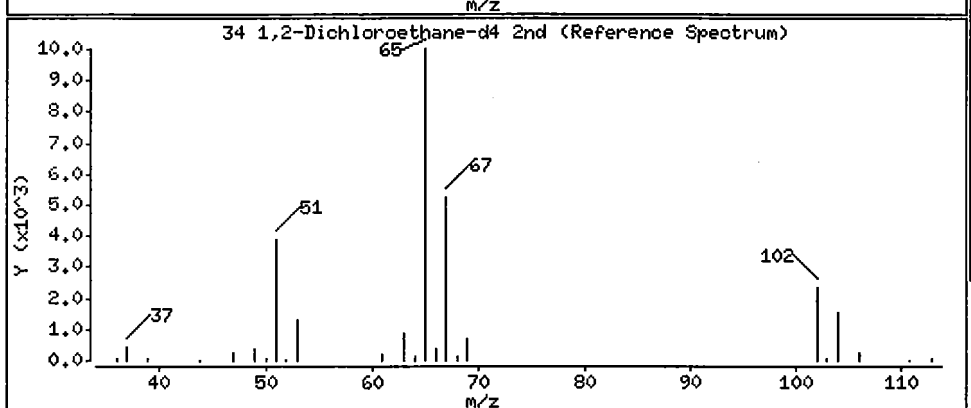
Purge Volume: 25.0 Operator: RRT

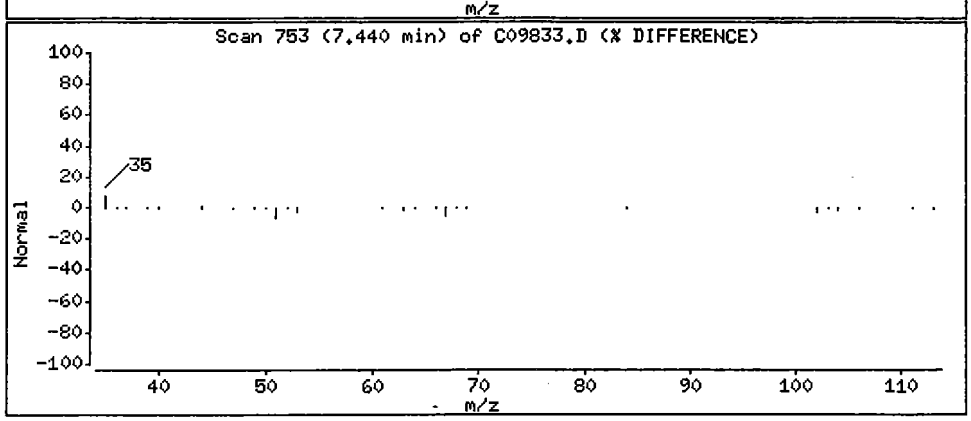
Column phase: J&W DB-624 Column diameter: 0.53

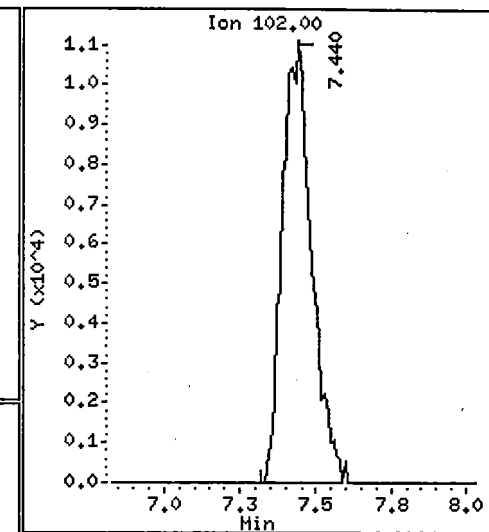
34 1,2-Dichloroethane-d4 2nd Concentration: 10.29 ug/L

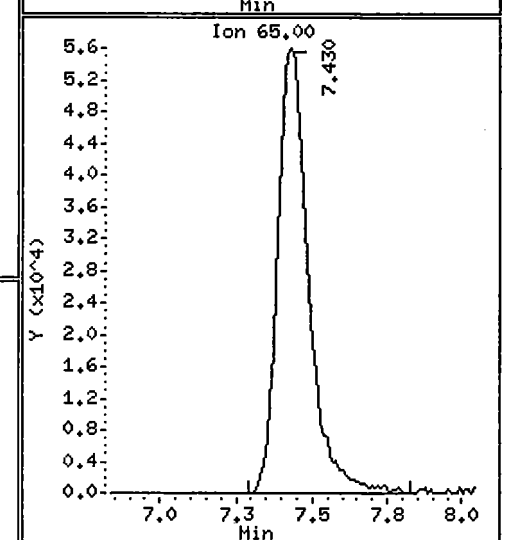












Data File: \\SANP2010\D\CHEM\MC.I\1015AC.B\C09833.D

Date : 15-OCT-2000 12:54

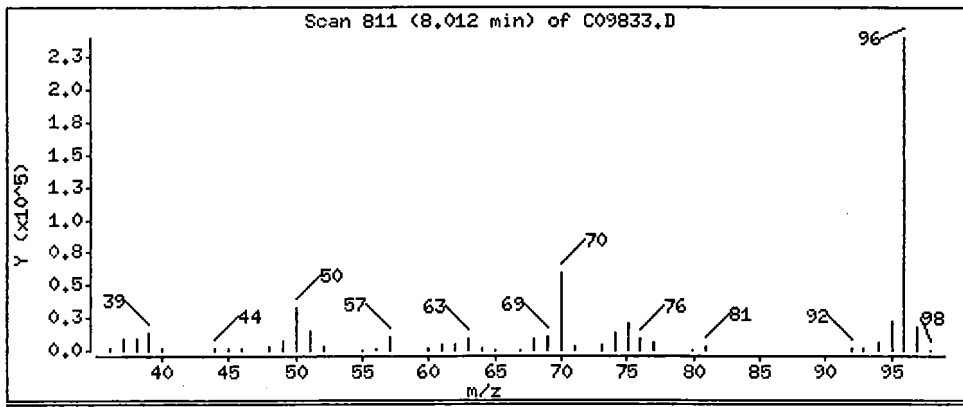
Client ID: C09832 Instrument: mc.i

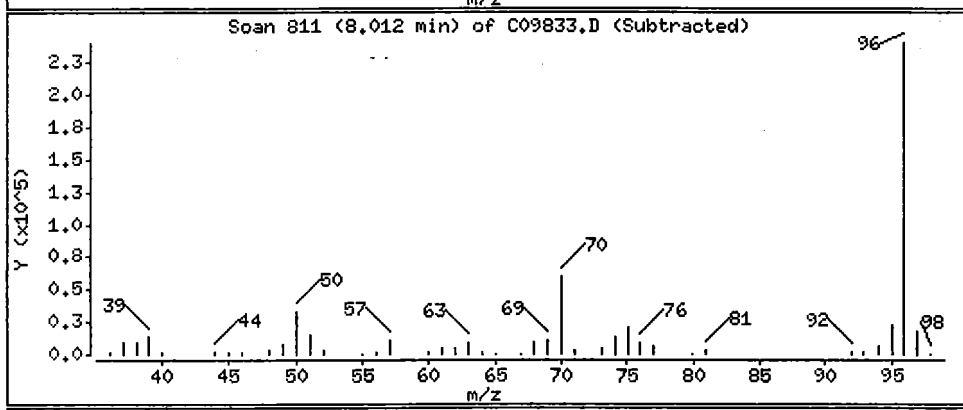
Sample Info: MB-1015AC,BLANK,1,,0,1,0,8260BCL.M,C09832

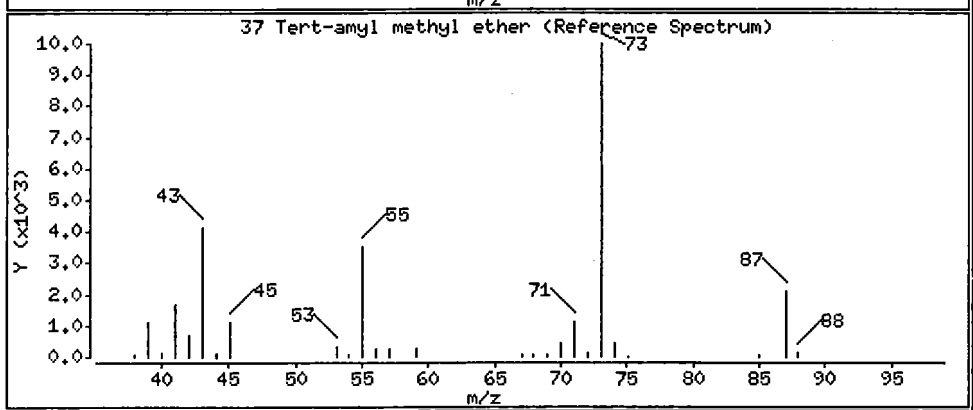
Purge Volume: 25.0 Operator: RRT

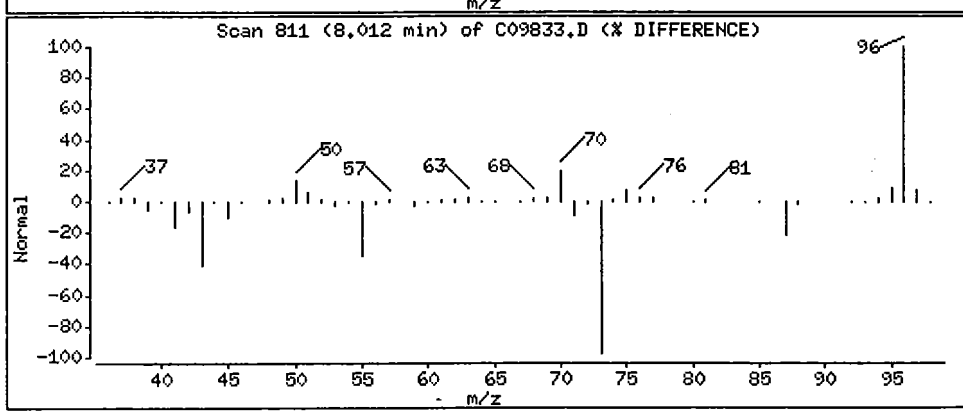
Column phase: J&W DB-624 Column diameter: 0.53

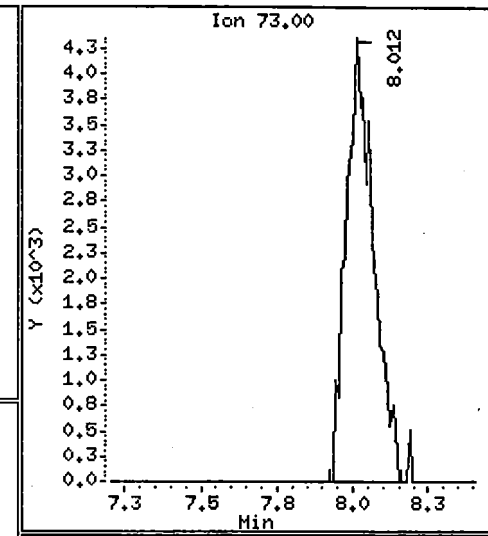
37 Tert-amyl methyl ether Concentration: 0.410 ug/L

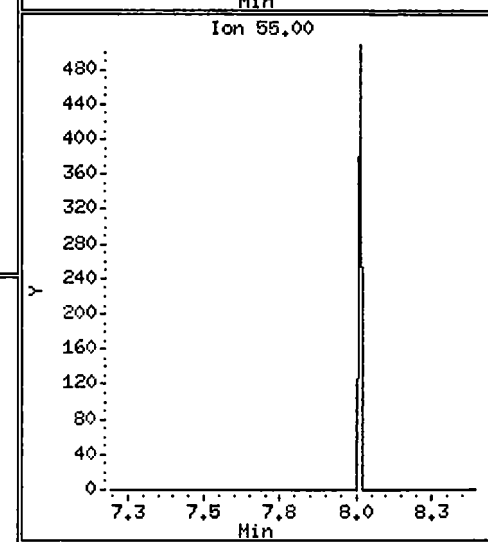


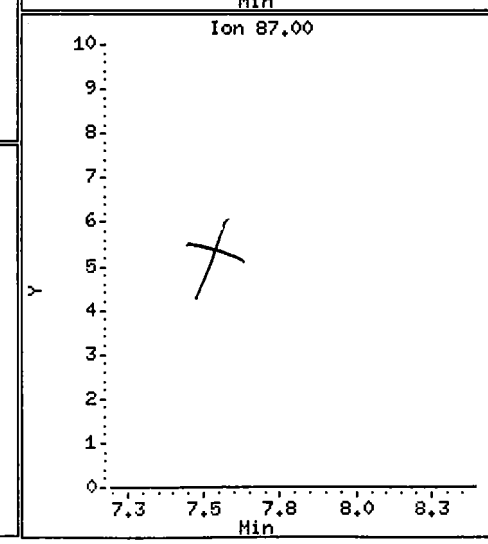












Data File: \\SANP2010\D\CHEM\MC.I\1015AC.B\C09833.D

Date : 15-OCT-2000 12:54

Client ID: C09832

Instrument: mc.i

Sample Info: MB-1015AC,BLANK,1,,0,1,0,8260BCL.M,C09832

Purge Volume: 25.0

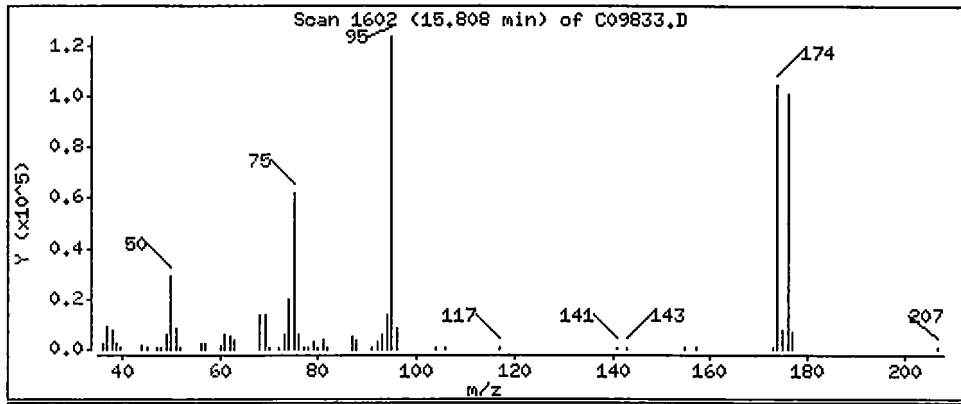
Operator: RRT

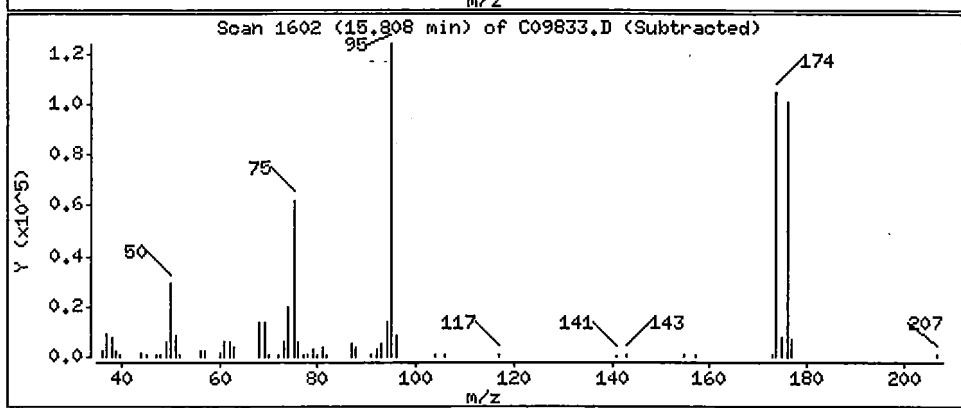
Column phase: J&W DB-624

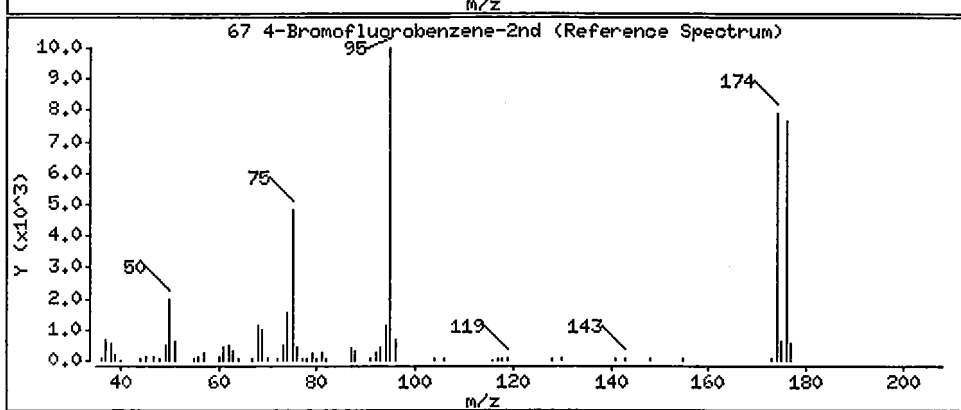
Column diameter: 0.53

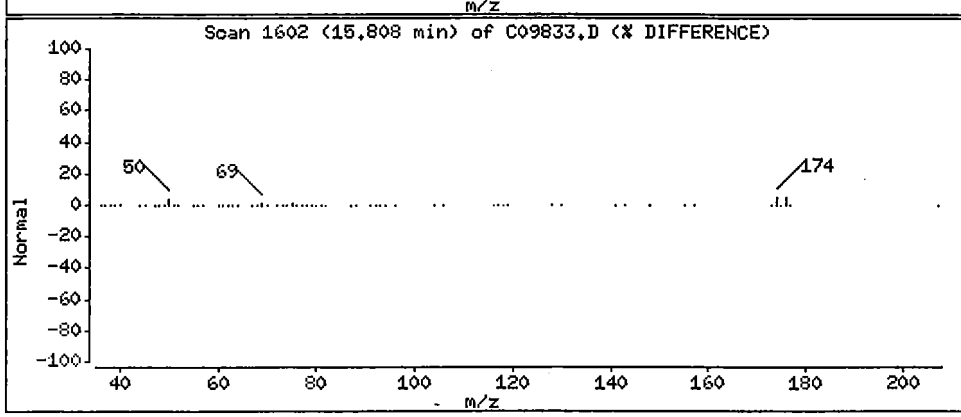
67 4-Bromofluorobenzene-2nd

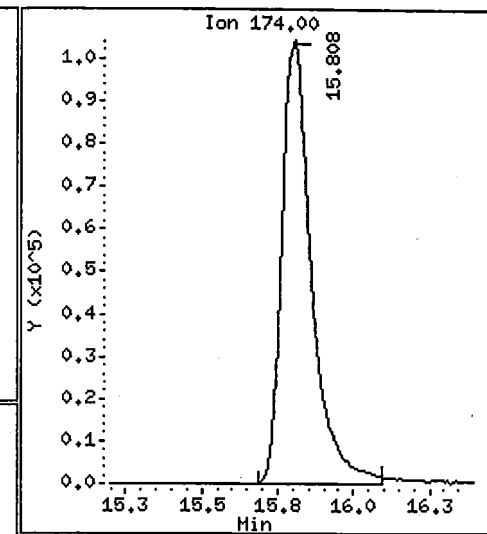
Concentration: 9.63 ug/L

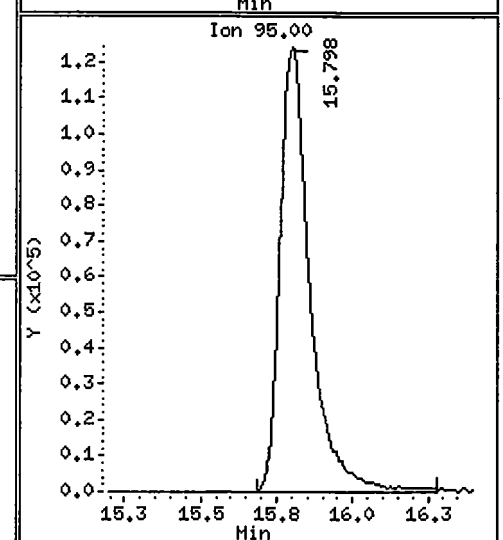


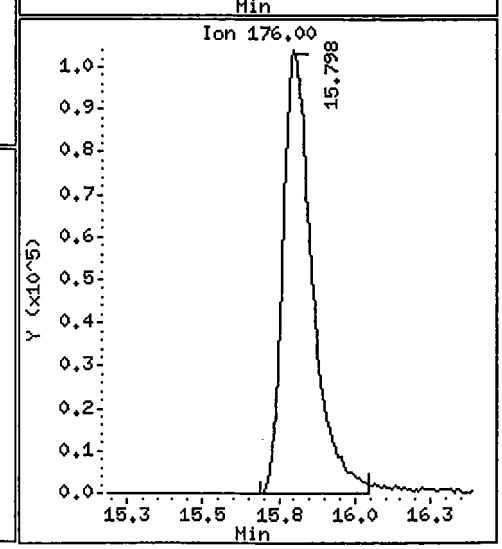












STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2010\D\CHEM\MC.I\1015AC.B\C09831.D
Lab Smp Id: LCS-1015AC Client Smp ID: C09831
Inj Date : 15-OCT-2000 11:45
Operator : RRT Inst ID: mc.i
Smp Info : LCS-1015AC,LCS,1,,0,1,0,8260BCL.M,C09831
Misc Info : ,25,,,3,SPK.SUB,SH.SPK
Comment :
Method : \\SANP2010\D\CHEM\MC.I\1015AC.B\8260BCL.m
Meth Date : 15-Oct-2000 11:33 DONGA Quant Type: ISTD
Cal Date : 13-OCT-2000 19:30 Cal File: CS2049.D
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SPK.SUB
Target Version: 4.00
Processing Host: SANP2010

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	3.501	3.494	(0.436)	484818	9.86193	9.86
$ 29 Dibromofluoromethane	111	6.901	6.895	(0.860)	936851	10.2168	10.22
$ 33 1,2-Dichloroethane-d4	65	7.423	7.437	(0.925)	418527	9.75773	9.76
34 1,2-Dichloroethane-d4 2nd	102	7.443	7.427	(0.928)	86581	11.4488	11.45
35 Benzene	78	7.532	7.535	(0.939)	1261392	9.24379	9.24
* 38 Fluorobenzene	96	8.024	8.018	(1.000)	1717656	10.0000	
39 Trichloroethene	130	8.665	8.649	(1.080)	746715	8.63811	8.64
$ 47 Toluene-d8	98	10.823	10.817	(0.803)	1356407	10.3864	10.39
48 Toluene (*)	91	10.932	10.936	(0.811)	1540965	9.18956	9.19
* 56 Chlorobenzene-d5	117	13.484	13.478	(1.000)	1202411	10.0000	
57 Chlorobenzene (**)	112	13.543	13.528	(1.004)	1135098	8.80620	8.81
$ 66 4-Bromofluorobenzene	95	15.800	15.795	(1.172)	872739	10.0421	10.04
67 4-Bromofluorobenzene-2nd	174	15.810	15.795	(1.172)	731401	9.93840	9.94
* 79 1,4-Dichlorobenzene-d4	152	18.117	18.111	(1.000)	727626	10.0000	(Q)

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mc.i
Lab File ID: C09831.D
Lab Smp Id: LCS-1015AC
Analysis Type: VOA
Quant Type: ISTD
Operator: RRT
Method File: \\SANP2010\D\CHEM\MC.I\1015AC.B\8260BCL.m
Misc Info: ,25,,,3,SPK.SUB,SH.SPK

Calibration Date: 15-OCT-2000
Calibration Time: 11:02
Client Smp ID: C09831
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1790453	895227	3580906	1717656	-4.07
56 Chlorobenzene-d5	1269503	634752	2539006	1202411	-5.28
79 1,4-Dichlorobenze	761602	380801	1523204	727626	-4.46

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	8.02	7.52	8.52	8.02	0.07
56 Chlorobenzene-d5	13.48	12.98	13.98	13.48	0.04
79 1,4-Dichlorobenze	18.11	17.61	18.61	18.12	0.03

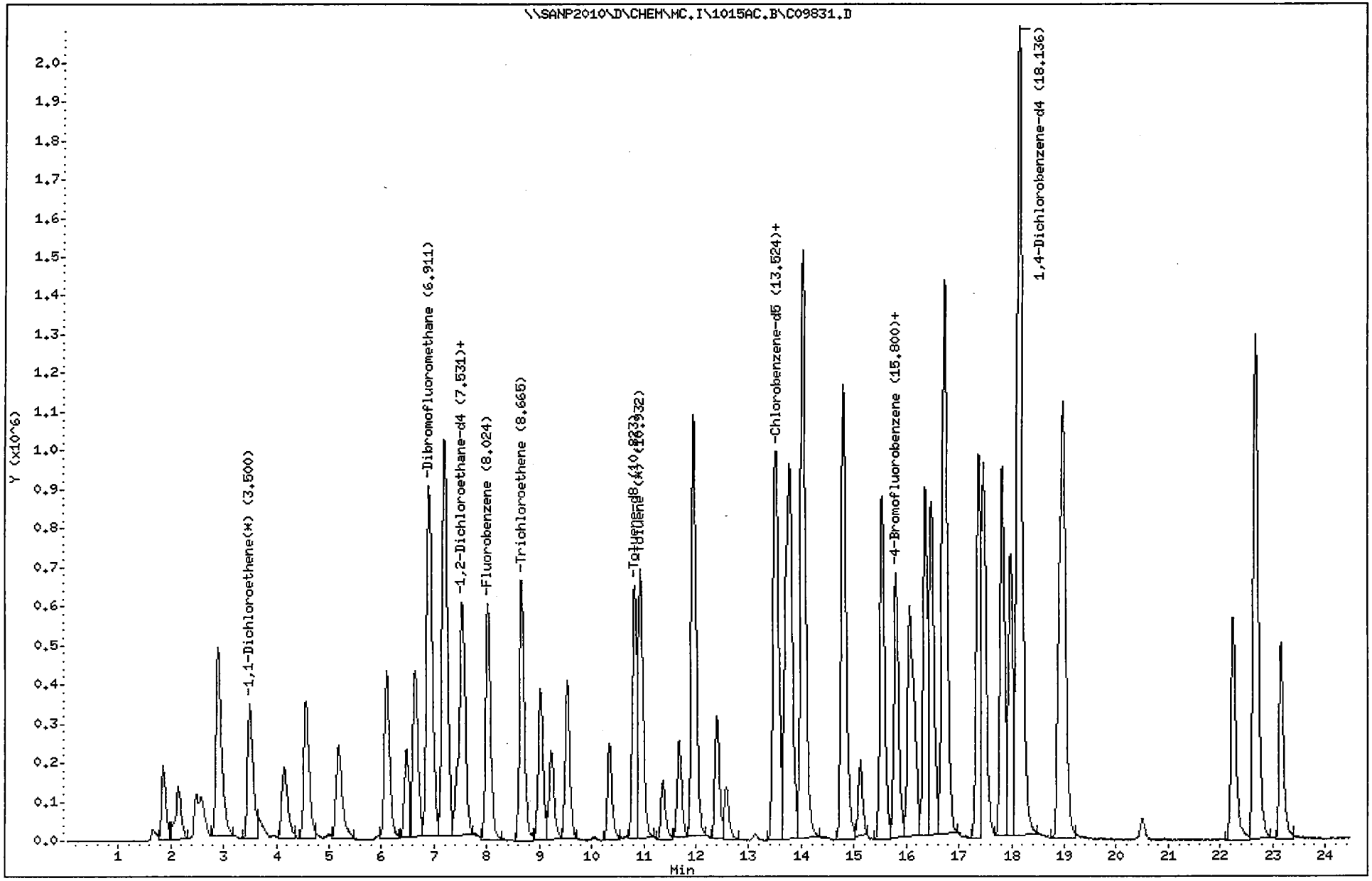
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\SANP2010\D\CHEM\MC.I\1015AC.B\C09831.D
Date : 15-OCT-2000 11:45
Client ID: C09831
Sample Info: LCS-1015AC,LCS,1,,0,1,0,8260BCL.M,C09831
Purge Volume: 25.0
Column phase: J&W DB-624

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



BOE-C6-0172114

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2010\D\CHEM\MC.I\1014AC.B\C09804.D
Lab Smp Id: LCS-1014AC Client Smp ID: C09804
Inj Date : 14-OCT-2000 09:47
Operator : AD Inst ID: mc.i
Smp Info : LCS-1014AC,LCS,1,,0,1,0,8260BCL.M,C09804
Misc Info : ,25,,,3,SPK.SUB,SH.SPK
Comment :
Method : \\SANP2010\D\CHEM\MC.I\1014AC.B\8260BCL.m
Meth Date : 14-Oct-2000 09:32 DONGA Quant Type: ISTD
Cal Date : 13-OCT-2000 19:30 Cal File: CS2049.D
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SPK.SUB
Target Version: 4.00
Processing Host: SANP2010

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	3.495	3.498	(0.436)	427732	9.26809	9.27
$ 29 Dibromofluoromethane	111	6.905	6.908	(0.861)	867133	10.0732	10.07
$ 33 1,2-Dichloroethane-d4	65	7.427	7.450	(0.926)	391565	9.72445	9.72
34 1,2-Dichloroethane-d4 2nd	102	7.427	7.450	(0.926)	75884	10.6887	10.69
35 Benzene	78	7.536	7.548	(0.940)	1163672	9.08377	9.08
* 38 Fluorobenzene	96	8.019	8.031	(1.000)	1612504	10.0000	
39 Trichloroethene	130	8.659	8.672	(1.080)	724131	8.92312	8.92
$ 47 Toluene-d8	98	10.828	10.830	(0.803)	1287762	10.1038	10.10
48 Toluene (*)	91	10.946	10.948	(0.811)	1482931	9.06145	9.06
* 56 Chlorobenzene-d5	117	13.489	13.491	(1.000)	1173487	10.0000	
57 Chlorobenzene (**)	112	13.538	13.550	(1.004)	1119116	8.89621	8.90
$ 66 4-Bromofluorobenzene	95	15.805	15.797	(1.172)	895527	10.5583	10.56
67 4-Bromofluorobenzene-2nd	174	15.815	15.807	(1.172)	755941	10.5250	10.52
* 79 1,4-Dichlorobenzene-d4	152	18.131	18.123	(1.000)	732722	10.0000	(Q)

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mc.i
Lab File ID: C09804.D
Lab Smp Id: LCS-1014AC
Analysis Type: VOA
Quant Type: ISTD
Operator: AD
Method File: \\SANP2010\D\CHEM\MC.I\1014AC.B\8260BCL.m
Misc Info: ,25,,,3,SPK.SUB,SH.SPK

Calibration Date: 14-OCT-2000
Calibration Time: 09:08
Client Smp ID: C09804
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1715078	857539	3430156	1612504	-5.98
56 Chlorobenzene-d5	1242425	621213	2484850	1173487	-5.55
79 1,4-Dichlorobenze	764494	382247	1528988	732722	-4.16

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	8.03	7.53	8.53	8.02	-0.15
56 Chlorobenzene-d5	13.49	12.99	13.99	13.49	-0.02
79 1,4-Dichlorobenze	18.12	17.62	18.62	18.13	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.

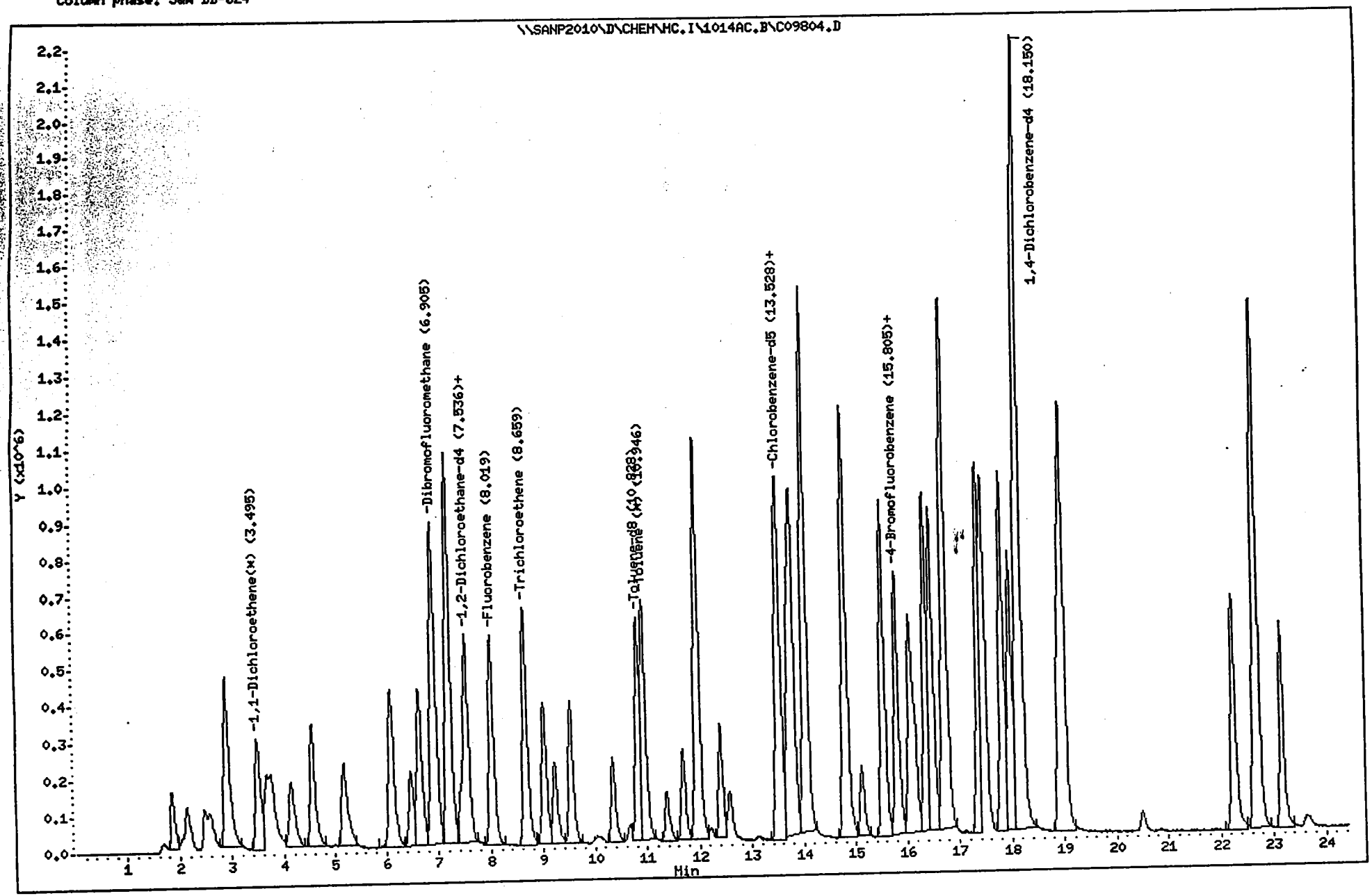
QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\SANP2010\D\CHEM\HC.I\1014AC.B\C09804.D
Date : 14-OCT-2000 09:47
Client ID: C09804
Sample Info: LCS-1014AC,LCS,1,,0,1,0,8260BCL.M,C09804
Purge Volume: 25.0
Column phase: J&W DB-624

Instrument: mo.i

Operator: AD
Column diameter: 0.53



000096

BOE-C6-0172118

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2010\D\CHEM\MC.I\1014AC.B\C09805.D
Lab Smp Id: MB-1014AC Client Smp ID: C09805
Inj Date : 14-OCT-2000 10:17
Operator : AD Inst ID: mc.i
Smp Info : MB-1014AC,BLANK,1,,0,1,0,8260BCL.M,C09805
Misc Info : ,25,,,3,1-8260B.SUB
Comment :
Method : \\SANP2010\D\CHEM\MC.I\1014AC.B\8260BCL.m
Meth Date : 14-Oct-2000 10:30 donga Quant Type: ISTD
Cal Date : 13-OCT-2000 19:30 Cal File: CS2049.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: SANP2010

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)
14 Acrylonitrile	53	7.438	7.430	(0.926)	38441	84.4547	84.45(Q)
$ 29 Dibromofluoromethane	111	6.906	6.908	(0.860)	842824	10.0452	10.04
$ 33 1,2-Dichloroethane-d4	65	7.438	7.450	(0.926)	382417	9.74400	9.74
34 1,2-Dichloroethane-d4 2nd	102	7.448	7.450	(0.928)	68376	9.88135	9.88
37 Tert-amyl methyl ether	73	8.019	7.814	(0.999)	27859	0.43956	0.440(a)
* 38 Fluorobenzene	96	8.029	8.031	(1.000)	1571670	10.0000	
$ 47 Toluene-d8	98	10.828	10.830	(0.803)	1246938	9.64504	9.64
* 56 Chlorobenzene-d5	117	13.489	13.491	(1.000)	1190332	10.0000	
$ 66 4-Bromofluorobenzene	95	15.805	15.797	(1.172)	886266	10.3012	10.30
67 4-Bromofluorobenzene-2nd	174	15.805	15.807	(1.172)	742087	10.1859	10.18
* 79 1,4-Dichlorobenzene-d4	152	18.131	18.123	(1.000)	709605	10.0000	(Q)

QC Flag Legend

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

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mc.i
Lab File ID: C09805.D
Lab Smp Id: MB-1014AC
Analysis Type: VOA
Quant Type: ISTD
Operator: AD
Method File: \\SANP2010\D\CHEM\MC.I\1014AC.B\8260BCL.m
Misc Info: ,25,,,3,1-8260B.SUB

Calibration Date: 14-OCT-2000
Calibration Time: 09:08
Client Smp ID: C09805
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1715078	857539	3430156	1571670	-8.36
56 Chlorobenzene-d5	1233700	616850	2467400	1190332	-3.52
79 1,4-Dichlorobenze	765106	382553	1530212	709605	-7.25

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	8.03	7.53	8.53	8.03	-0.02
56 Chlorobenzene-d5	13.49	12.99	13.99	13.49	-0.01
79 1,4-Dichlorobenze	18.12	17.62	18.62	18.13	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

VOLATILE REPORT low level 8260B

Data file : \\SANP2010\D\CHEM\MC.I\1014AC.B\C09805.D
Lab Smp Id: MB-1014AC Client Smp ID: C09805
Inj Date : 14-OCT-2000 10:17
Operator : AD Inst ID: mc.i
Smp Info : MB-1014AC,BLANK,1,,0,1,0,8260BCL.M,C09805
Misc Info : ,25,,,3,1-8260B.SUB
Comment :
Method : \\SANP2010\D\CHEM\MC.I\1014AC.B\8260BCL.m
Meth Date : 14-Oct-2000 10:30 donga Quant Type: ISTD
Cal Date : 13-OCT-2000 19:30 Cal File: CS2049.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: SANP2010

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

BOE-C6-0172122

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: MB-1014AC
Operator : AD
Sample Location:
Sample Matrix: WATER
Analysis Type: VOA

Client SDG: SDGa02609
Client Smp ID: C09805
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 0

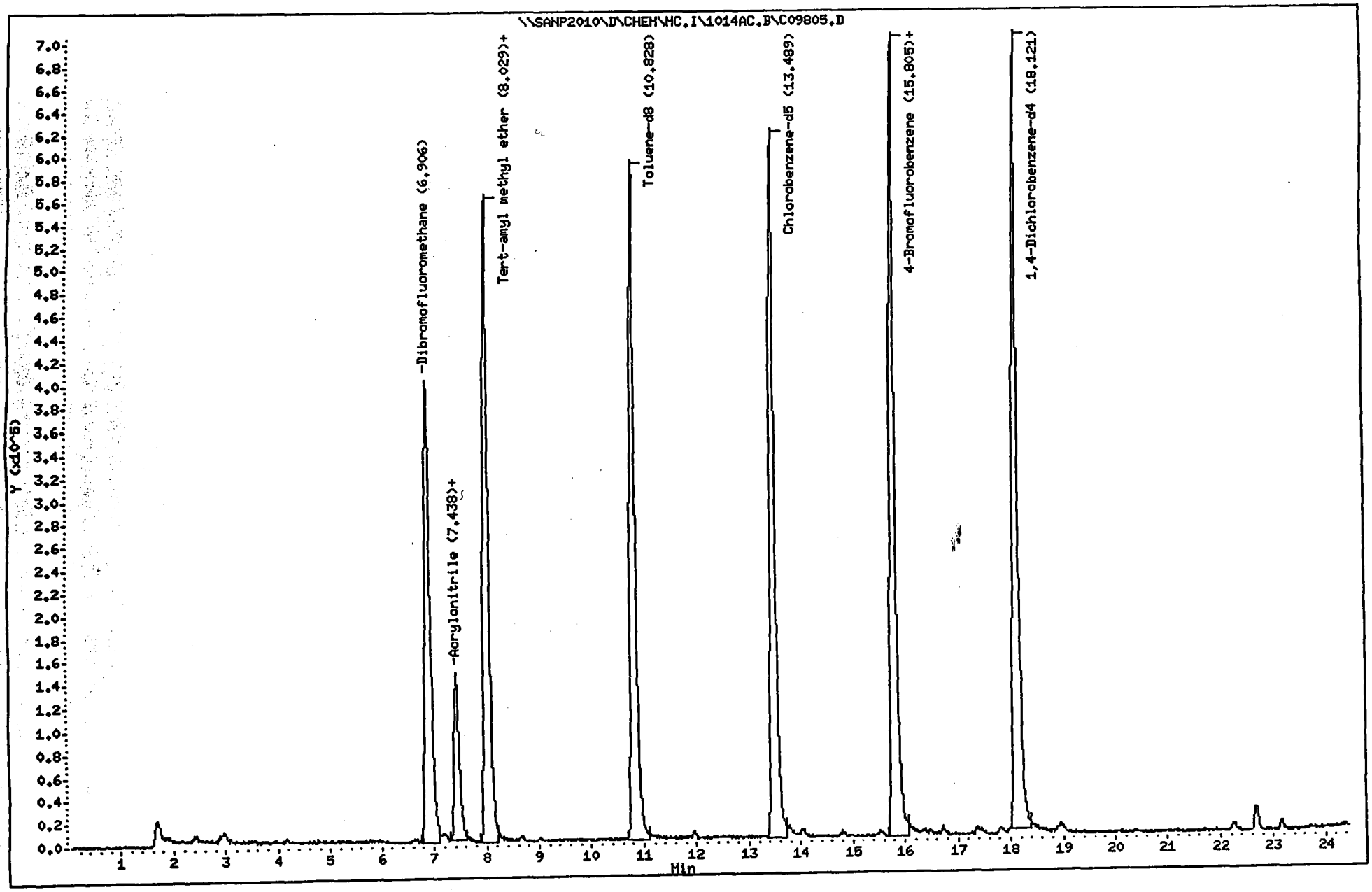
CONCENTRATION UNITS:
(ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Data File: \\SANP2010\D\CHEM\MC.I\1014AC.B\C09805.D
Date : 14-OCT-2000 10:17
Client ID: C09805
Sample Info: MB-1014AC,BLANK,1,,0,1,0,8260BCL.M,C09805
Purge Volume: 25.0
Column phase: J&W DB-624

Instrument: mc.i

Operator: AD
Column diameter: 0.53



BOE-C6-0172124

Data File: \\SANP2010\D\CHEM\HC.I\1014AC.B\C09805.D

Date : 14-OCT-2000 10:17

Client ID: C09805

Instrument: mo.i

Sample Info: MB-1014AC,BLANK,1,,0,1,0,8260BCL,M,C09805

Purge Volume: 25.0

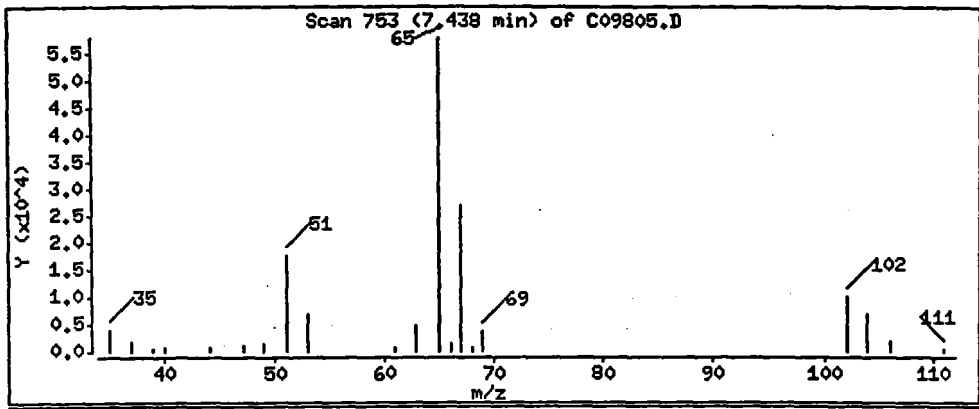
Operator: AD

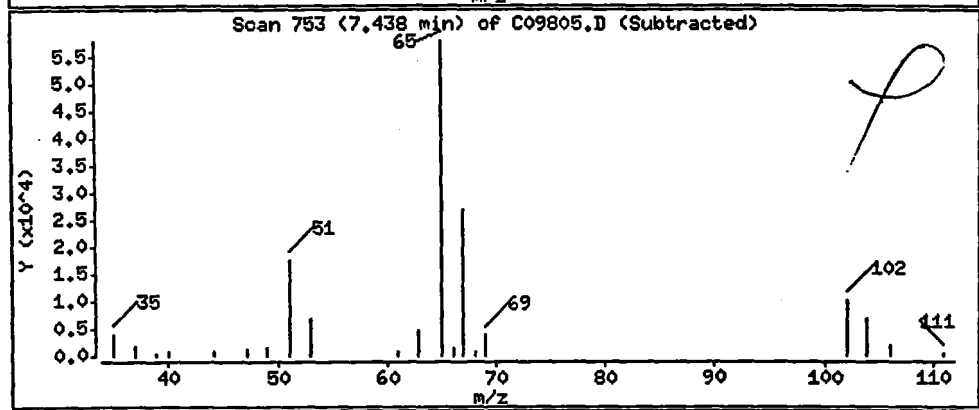
Column phase: J&W DB-624

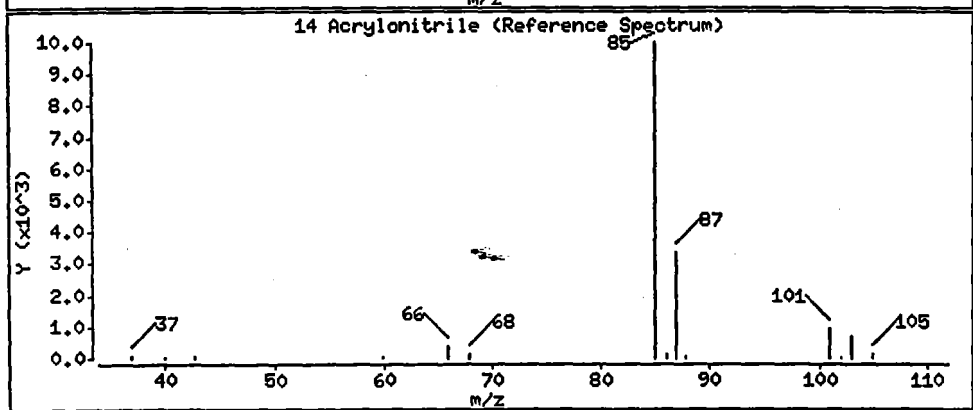
Column diameter: 0.53

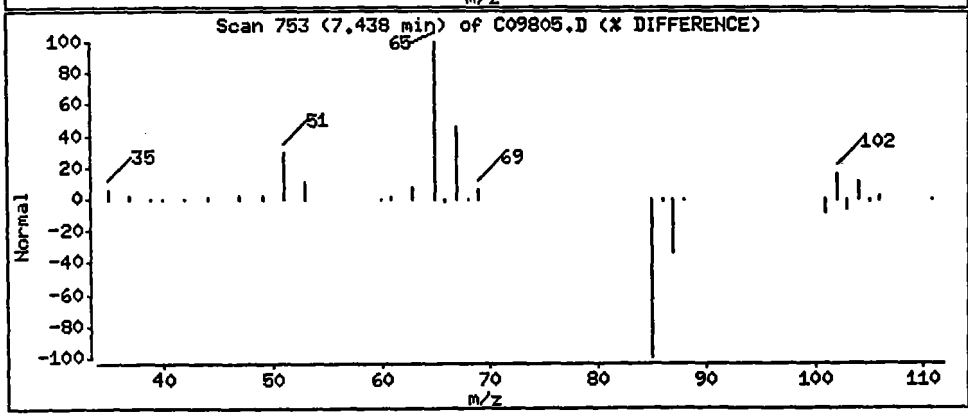
14 Acrylonitrile

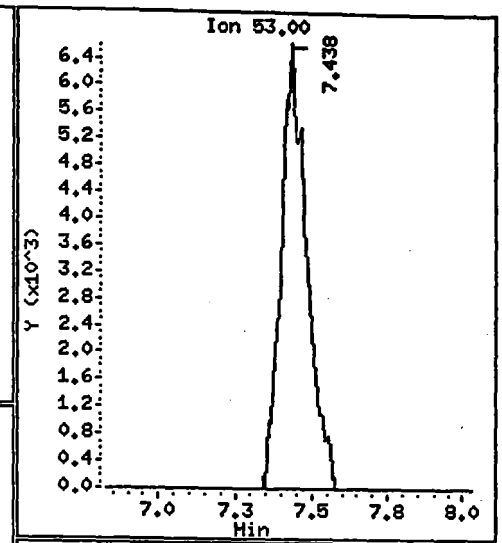
Concentration: 84.45 ug/L

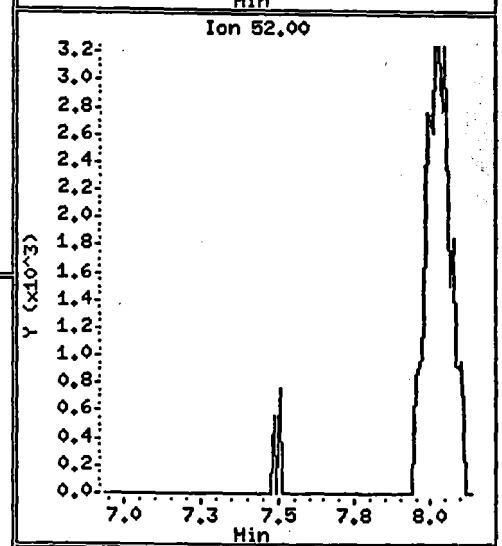


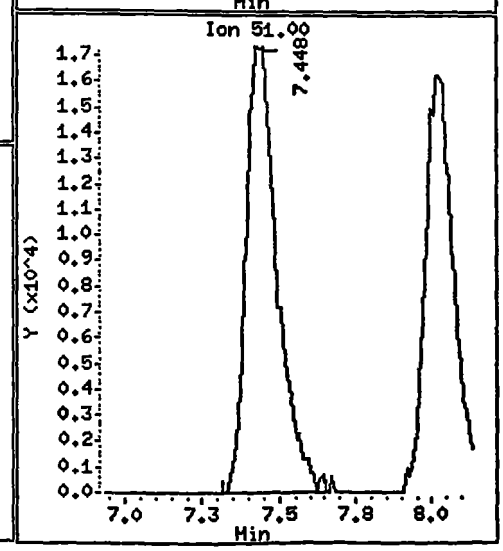












Data File: \\SANP2010\D\CHEM\MC.I\1014AC.B\C09805.D

Date : 14-OCT-2000 10:17

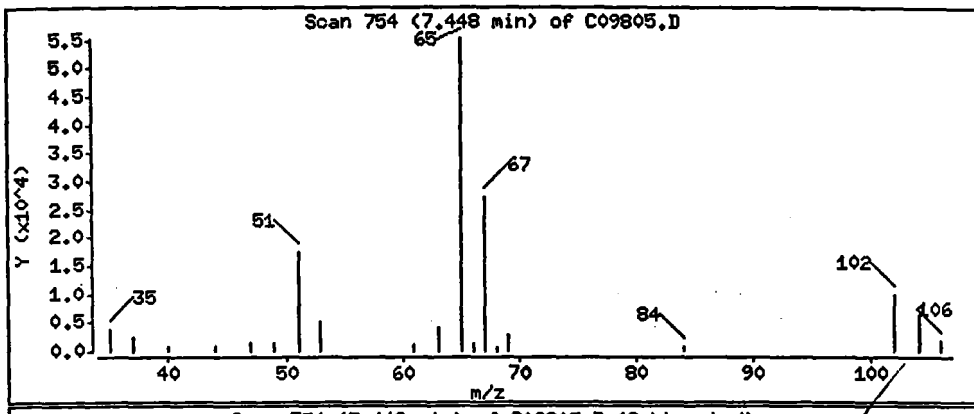
Client ID: C09805 Instrument: mc.i

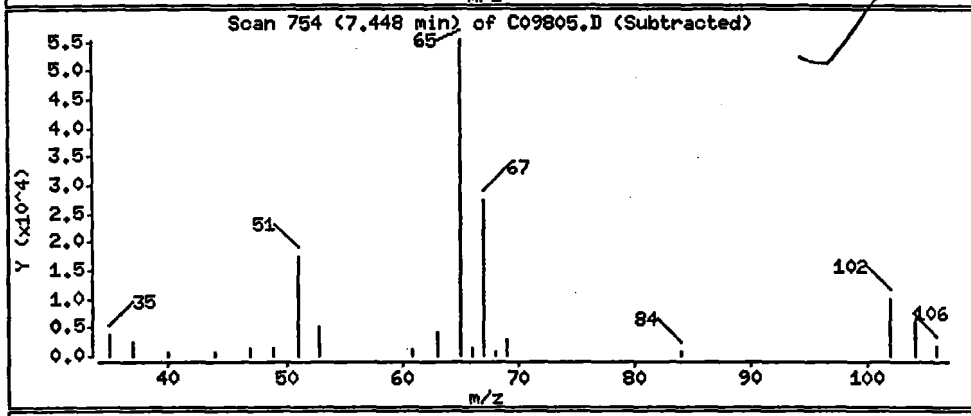
Sample Info: MB-1014AC,BLANK,1,,0,1,0,8260BCL,H,C09805

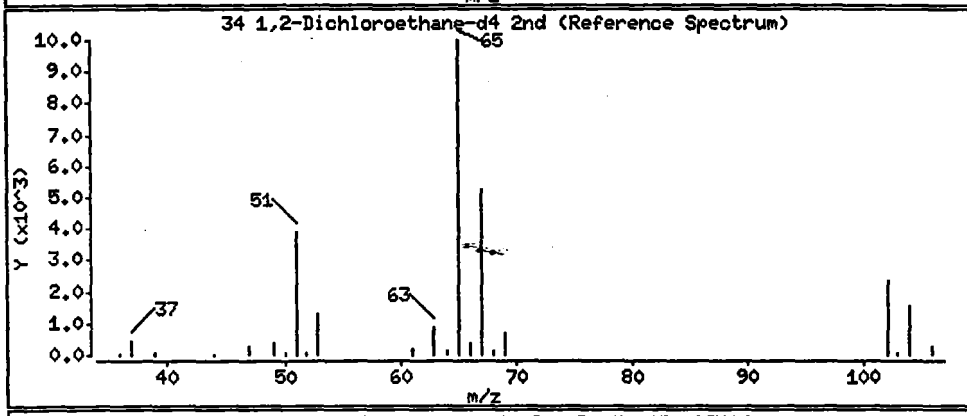
Purge Volume: 25.0 Operator: AD

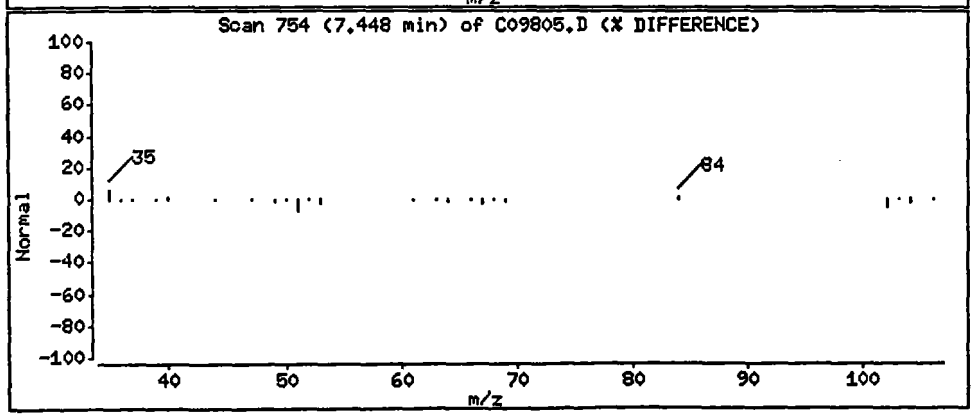
Column phase: J&W DB-624 Column diameter: 0.53

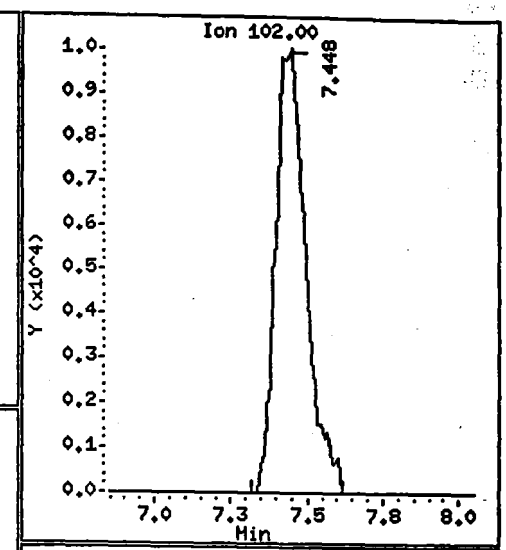
34 1,2-Dichloroethane-d4 2nd Concentration: 9.88 ug/L

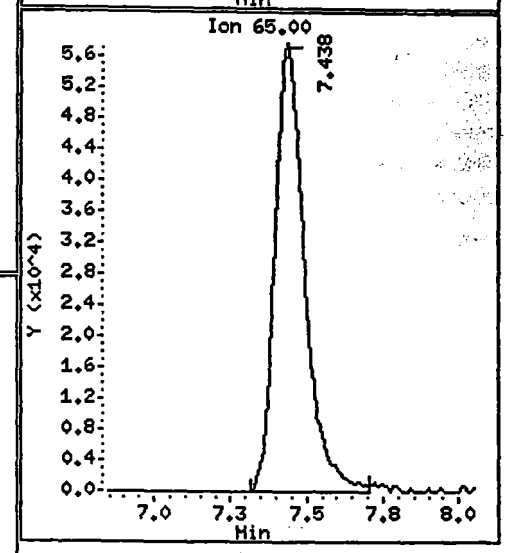












Data File: \\SANP2010\D\CHEM\MC.I\1014AC.B\C09805.D

Date : 14-OCT-2000 10:17

Client ID: C09805

Instrument: mo.i

Sample Info: MB-1014AC,BLANK,1,,0,1,0,8260BCL,H,C09805

Purge Volume: 25.0

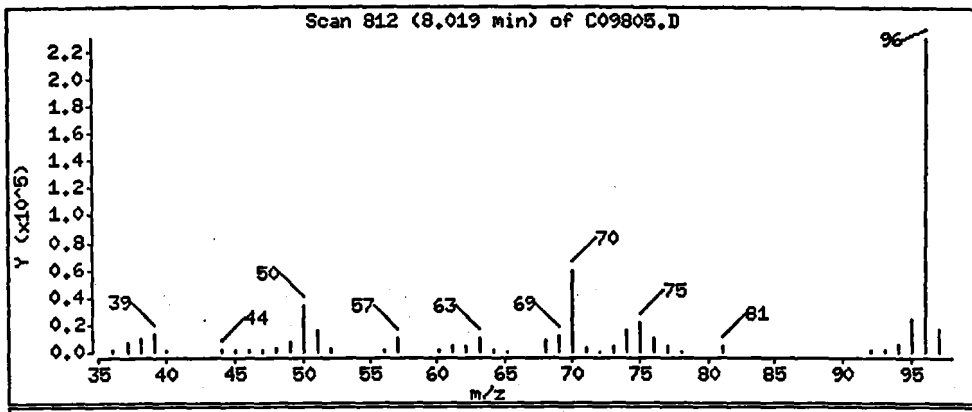
Operator: AD

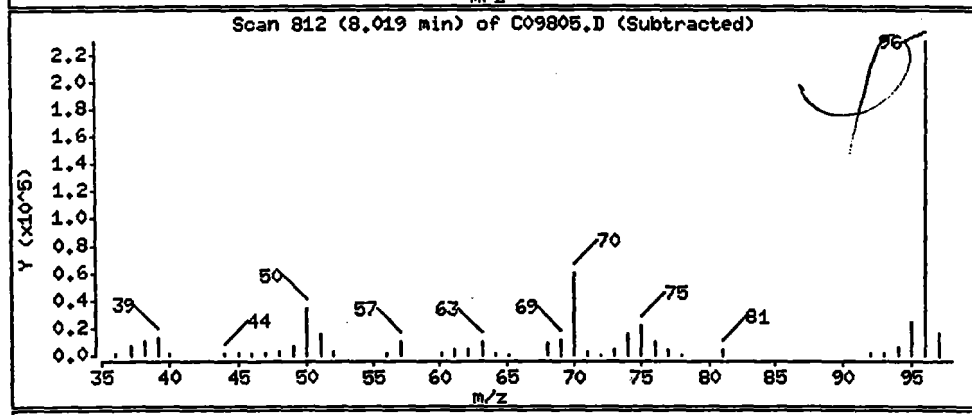
Column phase: J&W DB-624

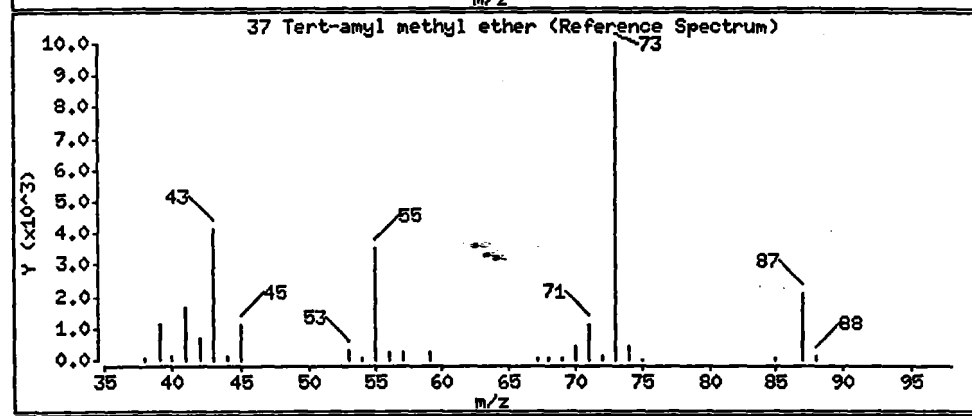
Column diameter: 0.53

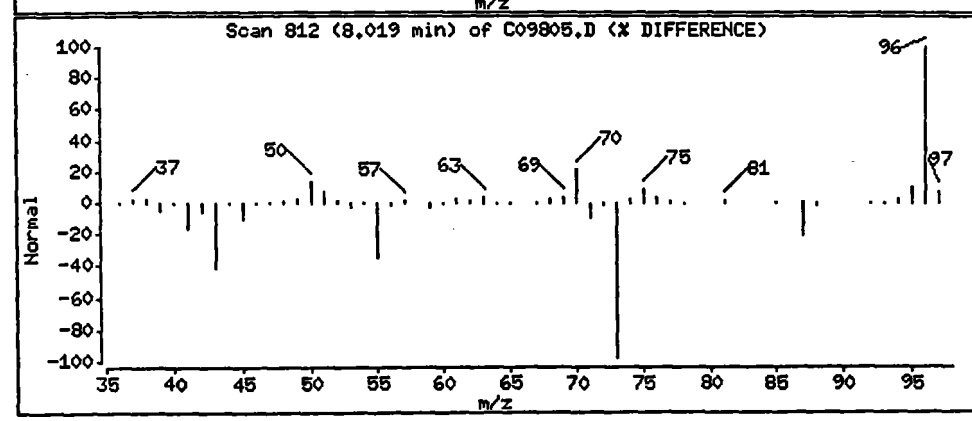
37 Tert-amyl methyl ether

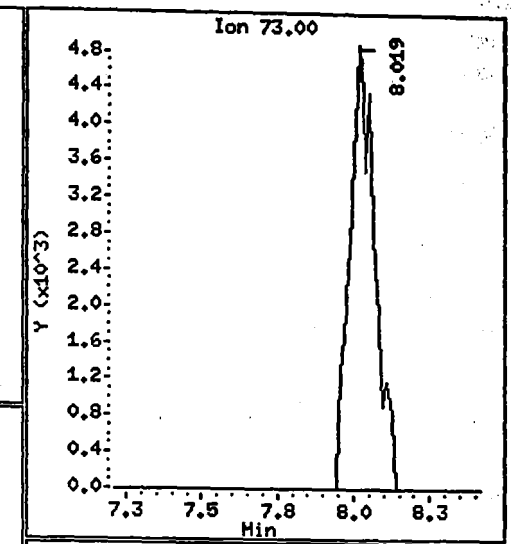
Concentration: 0.440 ug/L

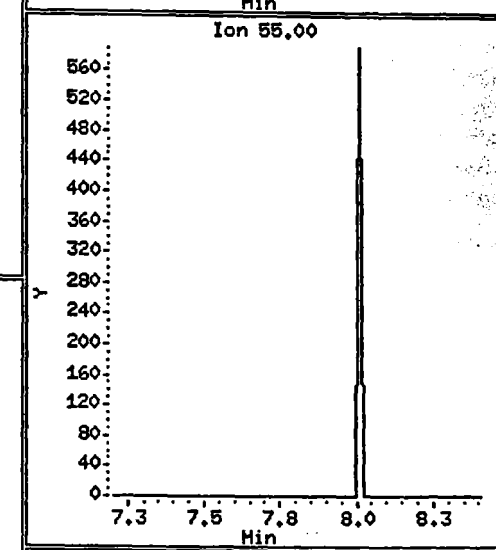


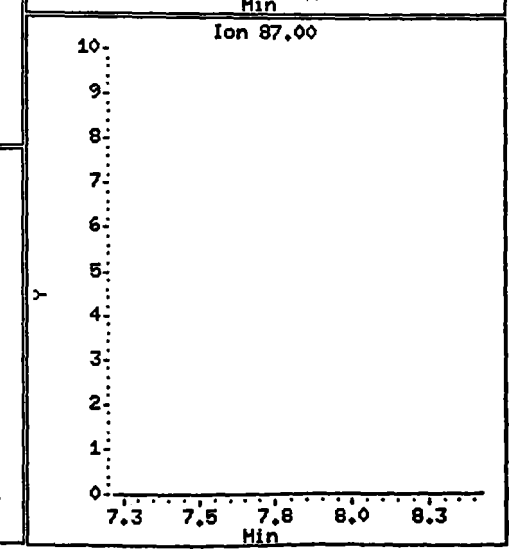












Data File: \\SANP2010\D\CHEM\MC.I\1014AC.B\C09805.D

Date : 14-OCT-2000 10:17

Client ID: C09805

Instrument: mc.i

Sample Info: MB-1014AC,BLANK,1,,0,1,0,8260BCL.M,C09805

Purge Volume: 25.0

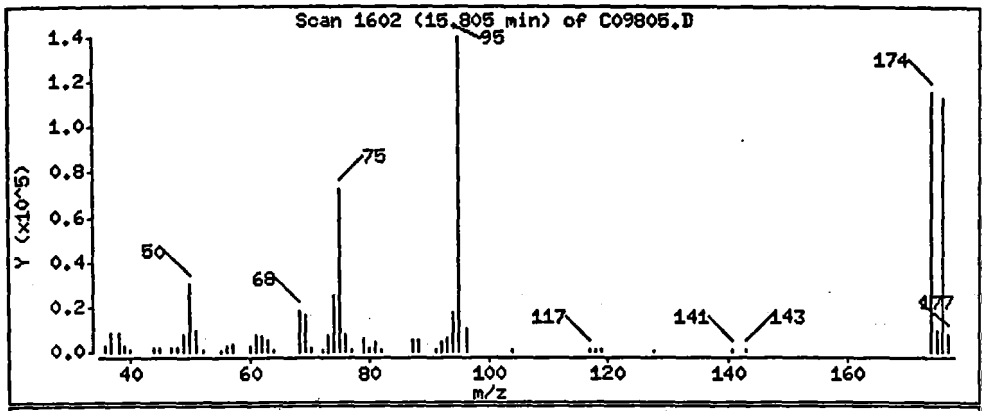
Operator: AD

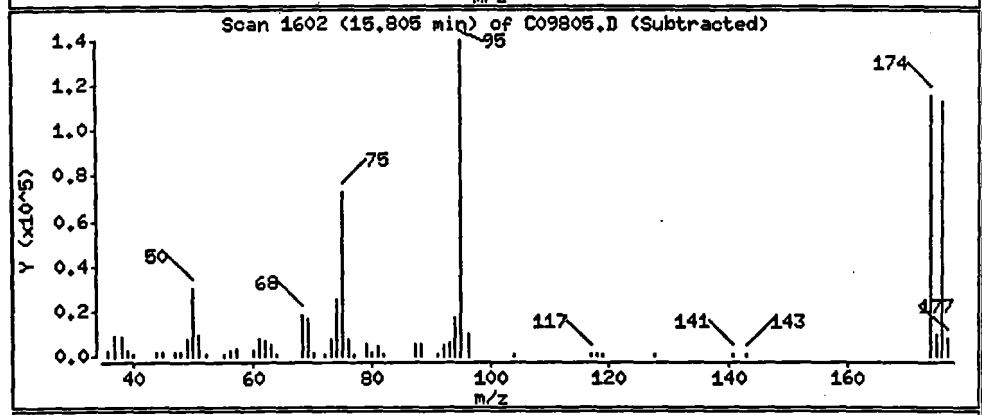
Column phase: J&W DB-624

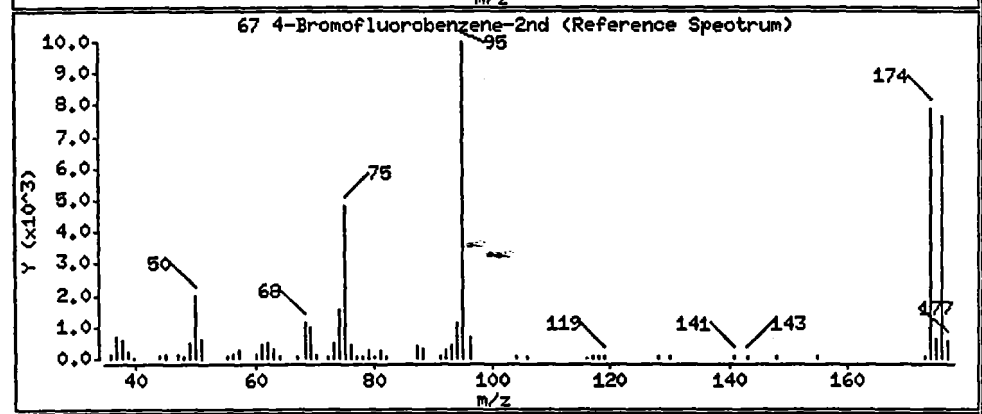
Column diameter: 0.53

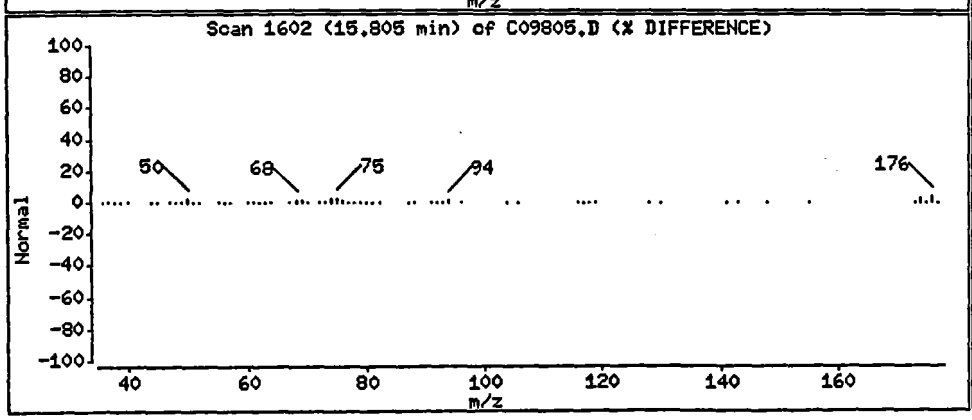
67 4-Bromofluorobenzene-2nd

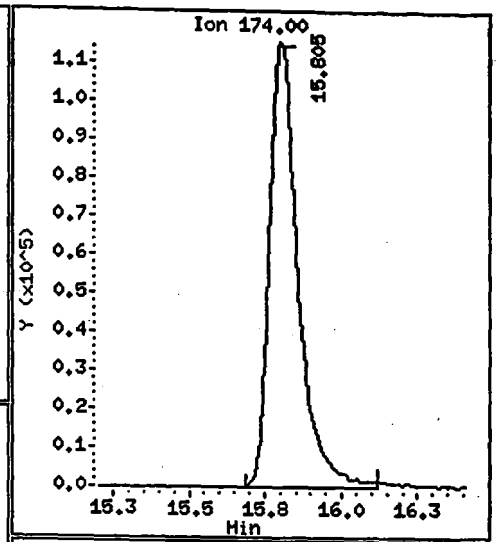
Concentration: 10.18 ug/L

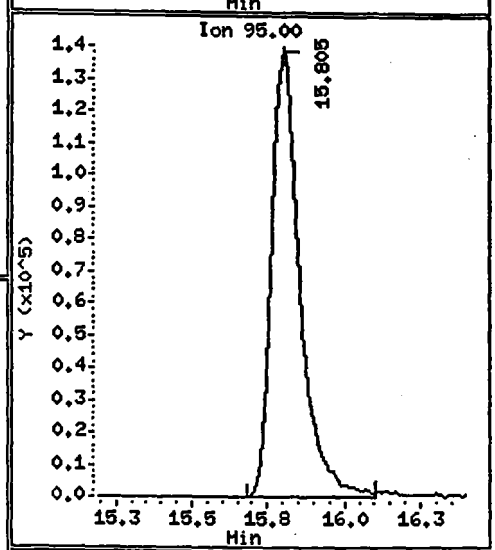


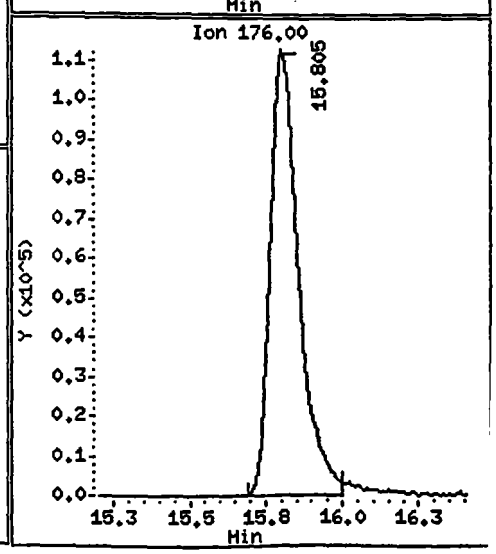












STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2010\D\CHEM\MC.I\1014AC.B\C09822.D
Lab Smp Id: DM3JT1AS Client Smp ID: C09822
Inj Date : 14-OCT-2000 18:49
Operator : AD Inst ID: mc.i
Smp Info : DM3JT1AS,MS,1,,0,1,0,8260BCL.M,C09822
Misc Info : ,25,,,3,SPK.SUB,SH.SPK
Comment :
Method : \\SANP2010\D\CHEM\MC.I\1014AC.B\8260BCL.m
Meth Date : 14-Oct-2000 10:44 DONGA Quant Type: ISTD
Cal Date : 13-OCT-2000 19:30 Cal File: CS2049.D
Als bottle: 15 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SPK.SUB
Target Version: 4.00
Processing Host: SANP2010

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	3.492	3.498	(0.435)	346032	9.36083	9.36
$ 29 Dibromofluoromethane	111	6.912	6.908	(0.860)	689463	9.99932	10.0
$ 33 1,2-Dichloroethane-d4	65	7.444	7.450	(0.926)	328644	10.1898	10.19
34 1,2-Dichloroethane-d4 2nd	102	7.454	7.450	(0.928)	56574	9.94870	9.95
35 Benzene	78	7.543	7.548	(0.939)	967565	9.42963	9.43
* 38 Fluorobenzene	96	8.035	8.031	(1.000)	1291582	10.0000	
39 Trichloroethene	130	8.676	8.672	(1.080)	599367	9.22084	9.22
$ 47 Toluene-d8	98	10.834	10.830	(0.803)	1025009	9.71326	9.71
48 Toluene (*)	91	10.943	10.948	(0.811)	1221843	9.01738	9.02
* 56 Chlorobenzene-d5	117	13.496	13.491	(1.000)	971606	10.0000	
57 Chlorobenzene (**)	112	13.545	13.550	(1.004)	942803	9.05188	9.05
$ 66 4-Bromofluorobenzene	95	15.802	15.797	(1.171)	813184	11.5795	11.58
67 4-Bromofluorobenzene-2nd	174	15.812	15.807	(1.172)	666385	11.2060	11.20
* 79 1,4-Dichlorobenzene-d4	152	18.128	18.123	(1.000)	623497	10.0000	(Q)

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mc.i
Lab File ID: C09822.D
Lab Smp Id: DM3JT1AS
Analysis Type: VOA
Quant Type: ISTD
Operator: AD
Method File: \\SANP2010\D\CHEM\MC.I\1014AC.B\8260BCL.m
Misc Info: ,25,,,3,SPK.SUB,SH.SPK

Calibration Date: 14-OCT-2000
Calibration Time: 09:08
Client Smp ID: C09822
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1715078	857539	3430156	1291582	-24.69
56 Chlorobenzene-d5	1233700	616850	2467400	971606	-21.24
79 1,4-Dichlorobenze	765106	382553	1530212	623497	-18.51

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	8.03	7.53	8.53	8.04	0.05
56 Chlorobenzene-d5	13.49	12.99	13.99	13.50	0.03
79 1,4-Dichlorobenze	18.12	17.62	18.62	18.13	0.02

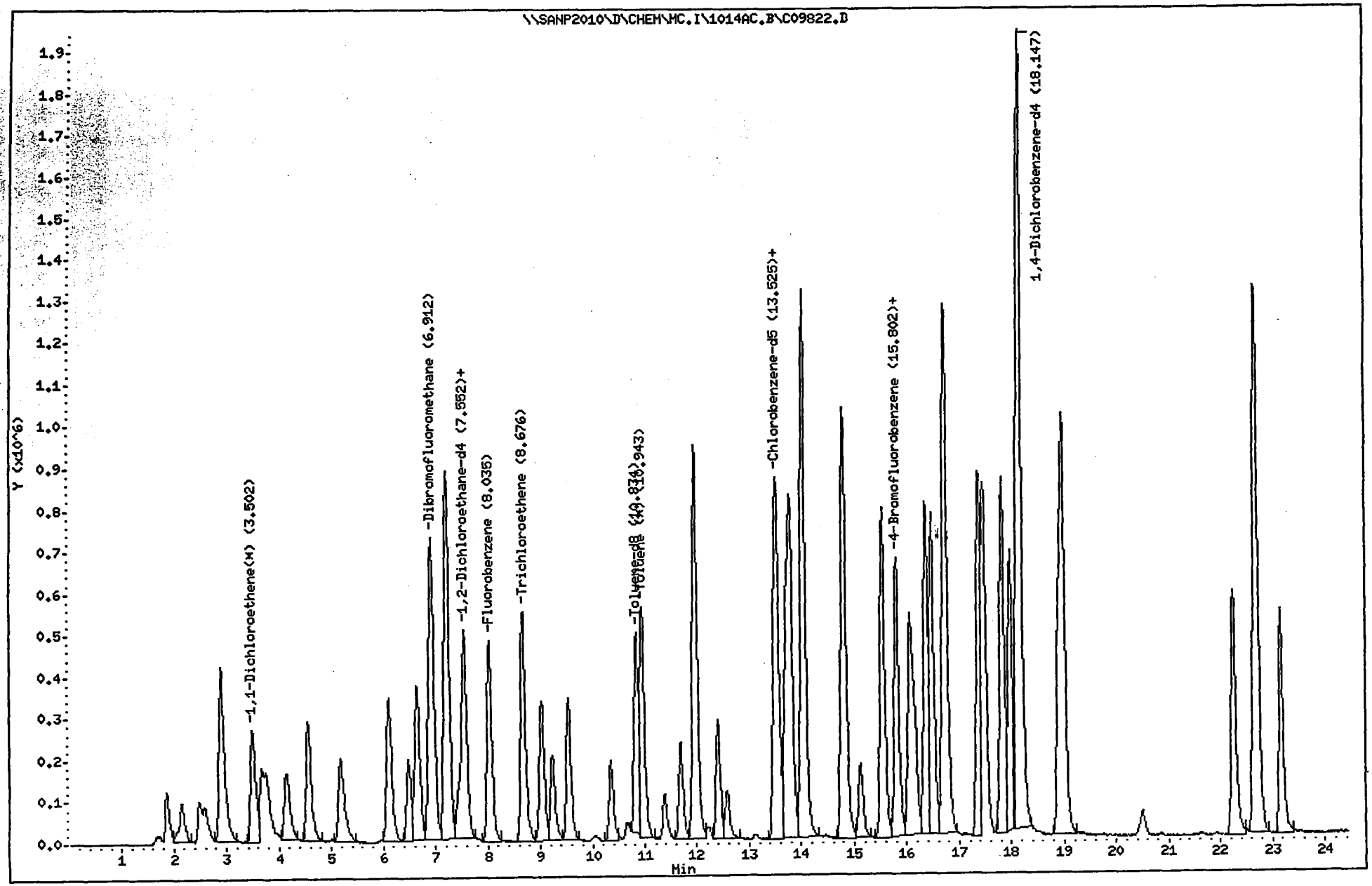
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\SANP2010\D\CHEM\MC.I\1014AC.B\C09822.D
Date : 14-OCT-2000 18:49
Client ID: C09822
Sample Info: DM3JT1AS,MS,1,,0,1,0,8260BCL.M,C09822
Purge Volume: 25.0
Column phase: J&W DB-624

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



000110

BOE-C6-0172132

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2010\D\CHEM\MC.I\1014AC.B\C09823.D
Lab Smp Id: DM3JT1AP Client Smp ID: C09823
Inj Date : 14-OCT-2000 19:19
Operator : AD Inst ID: mc.i
Smp Info : DM3JT1AP,MSD,1,,0,1,0,8260BCL.M,C09823
Misc Info : ,25,,,3,SPK.SUB,SH.SPK
Comment :
Method : \\SANP2010\D\CHEM\MC.I\1014AC.B\8260BCL.m
Meth Date : 14-Oct-2000 10:44 DONGA Quant Type: ISTD
Cal Date : 13-OCT-2000 19:30 Cal File: CS2049.D
Als bottle: 16 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SPK.SUB
Target Version: 4.00
Processing Host: SANP2010

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	3.491	3.498	(0.435)	396855	9.38513	9.38
$ 29 Dibromofluoromethane	111	6.911	6.908	(0.861)	769128	9.75145	9.75
$ 33 1,2-Dichloroethane-d4	65	7.453	7.450	(0.929)	370133	10.0325	10.03
34 1,2-Dichloroethane-d4 2nd	102	7.453	7.450	(0.929)	60227	9.25886	9.26(Q)
35 Benzene	78	7.551	7.548	(0.941)	1073194	9.14331	9.14
* 38 Fluorobenzene	96	8.024	8.031	(1.000)	1477444	10.0000	
39 Trichloroethene	130	8.675	8.672	(1.081)	661174	8.89212	8.89
$ 47 Toluene-d8	98	10.833	10.830	(0.803)	1151645	9.68230	9.68
48 Toluene (*)	91	10.951	10.948	(0.812)	1364916	8.93704	8.94
* 56 Chlorobenzene-d5	117	13.494	13.491	(1.000)	1095134	10.0000	
57 Chlorobenzene (**)	112	13.544	13.550	(1.004)	1055297	8.98908	8.99
$ 66 4-Bromofluorobenzene	95	15.810	15.797	(1.172)	910138	11.4983	11.50
67 4-Bromofluorobenzene-2nd	174	15.810	15.807	(1.172)	755560	11.2724	11.27
* 79 1,4-Dichlorobenzene-d4	152	18.126	18.123	(1.000)	690757	10.0000	(Q)

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mc.i
Lab File ID: C09823.D
Lab Smp Id: DM3JT1AP
Analysis Type: VOA
Quant Type: ISTD
Operator: AD
Method File: \\SANP2010\D\CHEM\MC.I\1014AC.B\8260BCL.m
Misc Info: ,25,,,3,SPK.SUB,SH.SPK

Calibration Date: 14-OCT-2000
Calibration Time: 09:08
Client Smp ID: C09823
Level: LOW
Sample Type: WATER

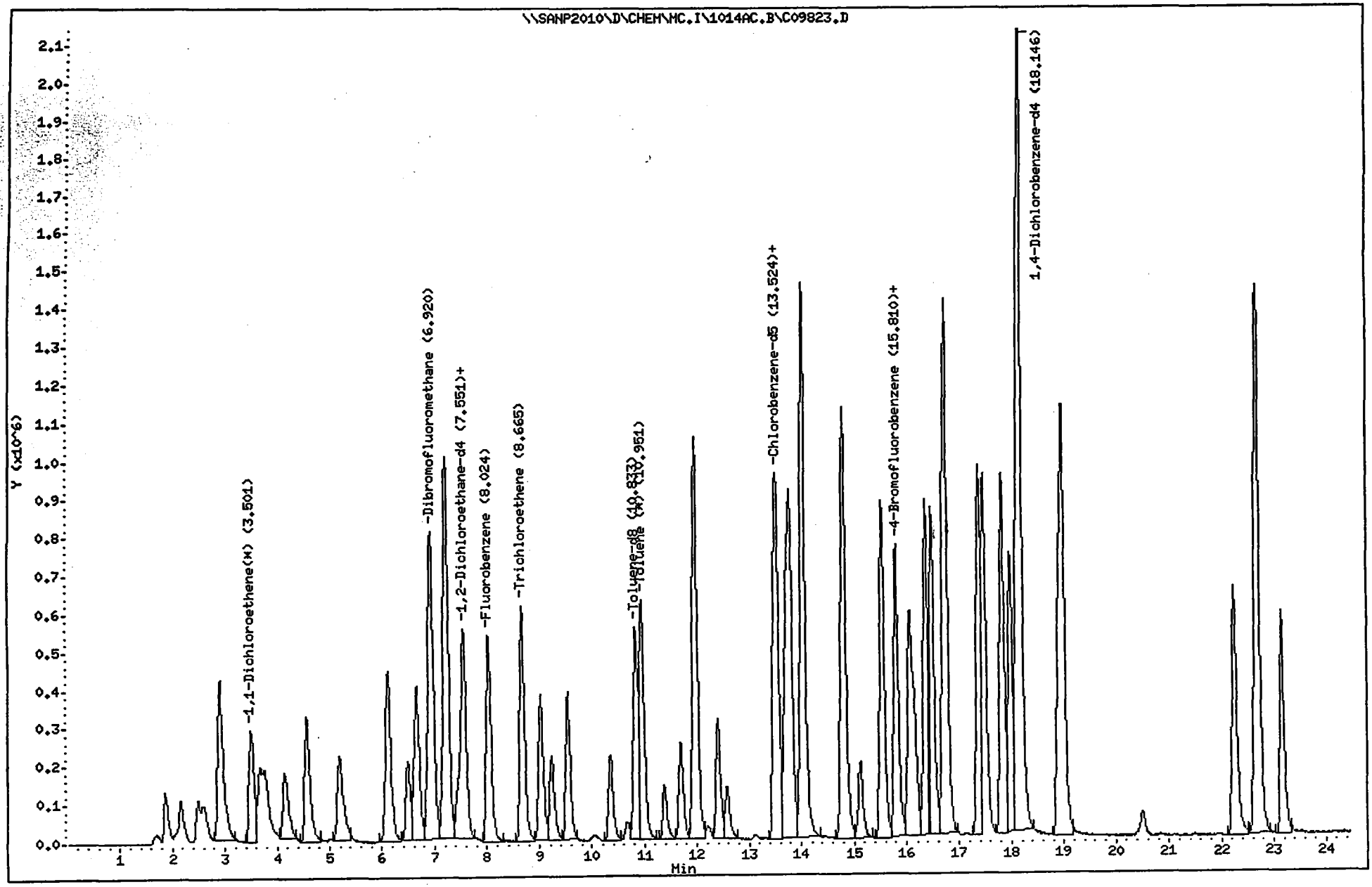
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1715078	857539	3430156	1477444	-13.86
56 Chlorobenzene-d5	1233700	616850	2467400	1095134	-11.23
79 1,4-Dichlorobenze	765106	382553	1530212	690757	-9.72

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	8.03	7.53	8.53	8.02	-0.09
56 Chlorobenzene-d5	13.49	12.99	13.99	13.49	0.02
79 1,4-Dichlorobenze	18.12	17.62	18.62	18.13	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.

Data File: \\SANP2010\D\CHEM\MC.I\1014AC.B\C09823.D
Date : 14-OCT-2000 19:19
Client ID: C09823
Sample Info: DM3JT1AP,HSD,1,,0,1,0,8260BCL.M,C09823
Purge Volume: 25.0
Column phase: J&W DB-624

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



000113

BOE-C6-0172135

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2010\D\chem\mc.i\1015AC.B\C09849.D
Lab Smp Id: DM3H81AD Client Smp ID: C09849
Inj Date : 15-OCT-2000 20:58
Operator : RRT Inst ID: mc.i
Smp Info : DM3H81AD,,1,,0,1,0,8260BCL.M,C09849
Misc Info : ,1,,,0,1-8260B.SUB
Comment :
Method : \\SANP2010\D\CHEM\MC.I\1015AC.B\8260BCL.m
Meth Date : 15-Oct-2000 11:33 DONGA Quant Type: ISTD
Cal Date : 13-OCT-2000 19:30 Cal File: CS2049.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2010

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	1.000	Sample Volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
14 Acrylonitrile	53	7.427	7.427	(0.926)	32633	89.9584	2249(Q)
27 Tetrahydrofuran	42	6.649	6.619	(0.829)	15097	10.1475	253.7(Q)
28 Chloroform (*)	83	6.639	6.638	(0.828)	5793312	60.6618	1516
$ 29 Dibromofluoromethane	111	6.895	6.895	(0.860)	751594	11.2399	281.0
31 Carbon Tetrachloride	117	6.639	7.200	(0.828)	44655	0.51275	12.82(a)
$ 33 1,2-Dichloroethane-d4	65	7.437	7.437	(0.927)	341279	10.9111	272.8
34 1,2-Dichloroethane-d4 2nd	102	7.427	7.427	(0.926)	59376	10.7667	269.2
37 Tert-amyl methyl ether	73	8.018	7.801	(1.000)	22770	0.45078	11.27(a)
* 38 Fluorobenzene	96	8.018	8.018	(1.000)	1252568	10.0000	
39 Trichloroethene	130	8.639	8.649	(1.077)	24612	0.39045	9.76(aM)
$ 47 Toluene-d8	98	10.818	10.817	(0.803)	1017185	9.97137	249.3
51 Tetrachloroethene	164	11.941	11.941	(0.886)	149216	2.18062	54.52(Q)
* 56 Chlorobenzene-d5	117	13.479	13.478	(1.000)	939231	10.0000	
57 Chlorobenzene (**)	112	13.538	13.528	(1.004)	756165	7.51021	187.8
$ 66 4-Bromofluorobenzene	95	15.785	15.795	(1.171)	659513	9.71501	242.9

10-16-00

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mc.i
Lab File ID: C09849.D
Lab Smp Id: DM3H81AD
Analysis Type: VOA
Quant Type: ISTD
Operator: RRT
Method File: \\SANP2010\D\CHEM\MC.I\1015AC.B\8260BCL.m
Misc Info: ,1,,,0,1-8260B.SUB

Calibration Date: 15-OCT-2000
Calibration Time: 11:02
Client Smp ID: C09849
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1790453	895227	3580906	1252568	-30.04
56 Chlorobenzene-d5	1269503	634752	2539006	939231	-26.02
79 1,4-Dichlorobenze	761602	380801	1523204	561723	-26.24

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	8.02	7.52	8.52	8.02	0.00
56 Chlorobenzene-d5	13.48	12.98	13.98	13.48	0.00
79 1,4-Dichlorobenze	18.11	17.61	18.61	18.11	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

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DM3H81AD
Operator : RRT
Sample Location:
Sample Matrix: WATER
Analysis Type: VOA

Client SDG: SDGa02609
Client Smp ID: C09849
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

PRI
10/16/00

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
67 4-Bromofluorobenzene-2nd	174	15.795	15.795	(1.172)	568328	9.88645	247.2
* 79 1,4-Dichlorobenzene-d4	152	18.111	18.111	(1.000)	561723	10.0000	(Q)

QC Flag Legend

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

STL Los Angeles

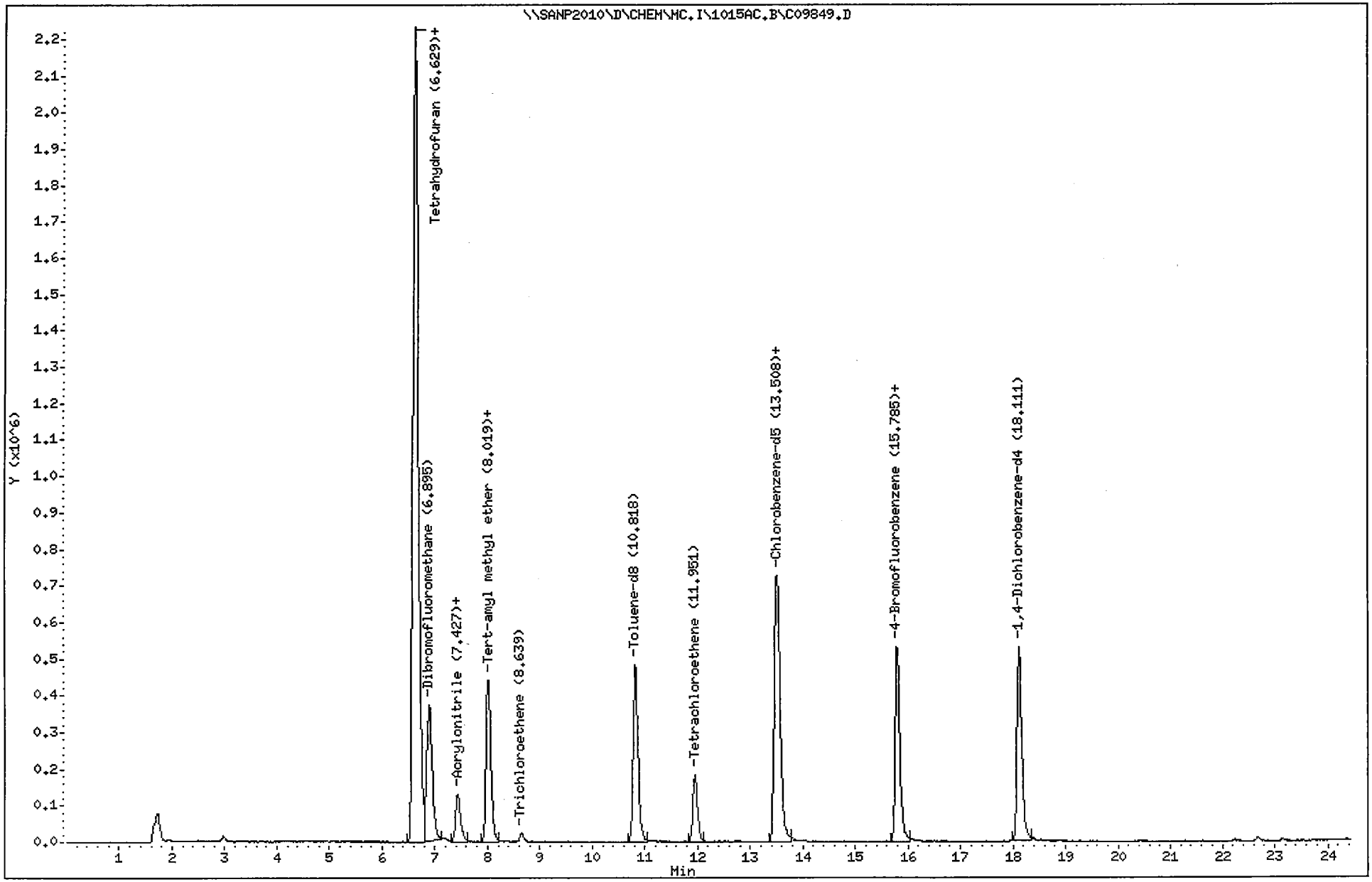
VOLATILE REPORT low level 8260B

Data file : \\SANP2010\D\chem\mc.i\1015AC.B\C09849.D
Lab Smp Id: DM3H81AD Client Smp ID: C09849
Inj Date : 15-OCT-2000 20:58
Operator : RRT Inst ID: mc.i
Smp Info : DM3H81AD,,1,,0,1,0,8260BCL.M,C09849
Misc Info : ,1,,,0,1-8260B.SUB
Comment :
Method : \\SANP2010\D\CHEM\MC.I\1015AC.B\8260BCL.m
Meth Date : 16-Oct-2000 17:20 donga Quant Type: ISTD
Cal Date : 13-OCT-2000 19:30 Cal File: CS2049.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2010

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\SANP2010\D\CHEM\MC.I\1015AC.B\C09849.D
Date : 15-OCT-2000 20:58
Client ID: C09849
Sample Info: DM3H81AD,,1,,0,1,0,8260BCL.M,C09849
Purge Volume: 1.0
Column phase: J&W DB-624

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



000119

BOE-C6-0172141

Data File: \\SANP2010\D\CHEM\MC.I\1015AC.B\C09849.D

Date : 15-OCT-2000 20:58

Client ID: C09849

Instrument: mc.i

Sample Info: DM3H81AD,,1,,0,1,0,8260BCL.M,C09849

Purge Volume: 1.0

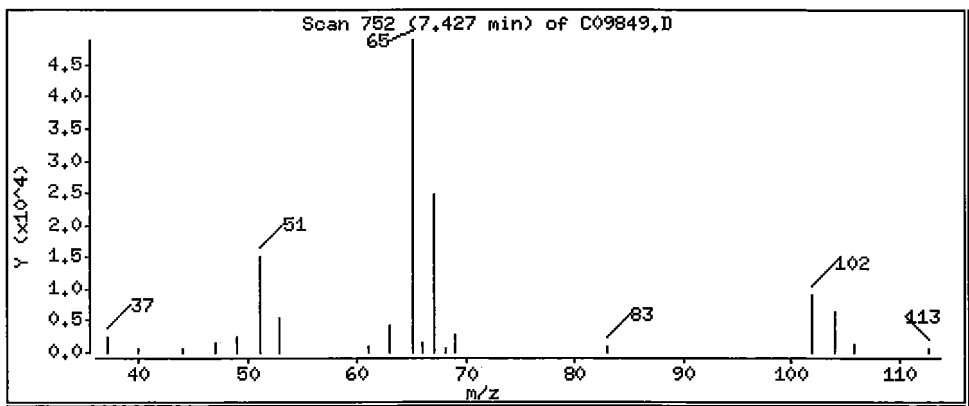
Operator: RRT

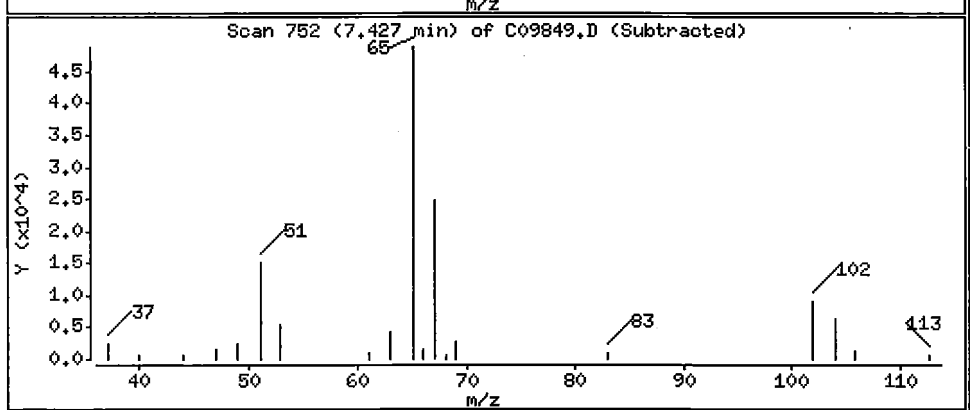
Column phase: J&W DB-624

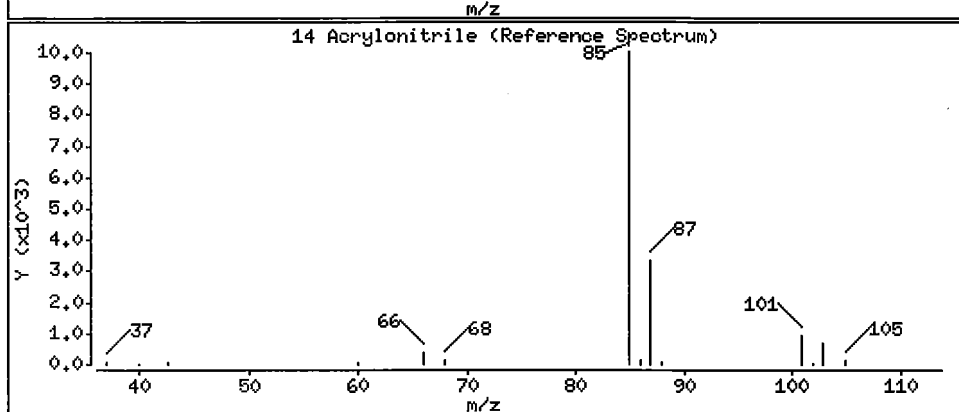
Column diameter: 0.53

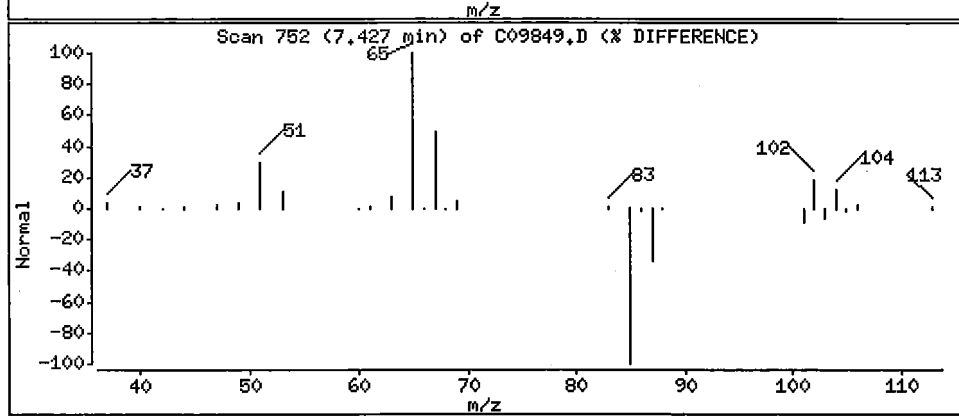
14 Acrylonitrile

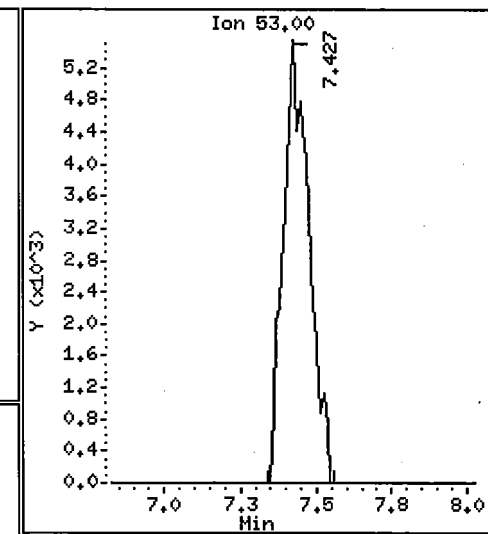
Concentration: 2249 ug/L

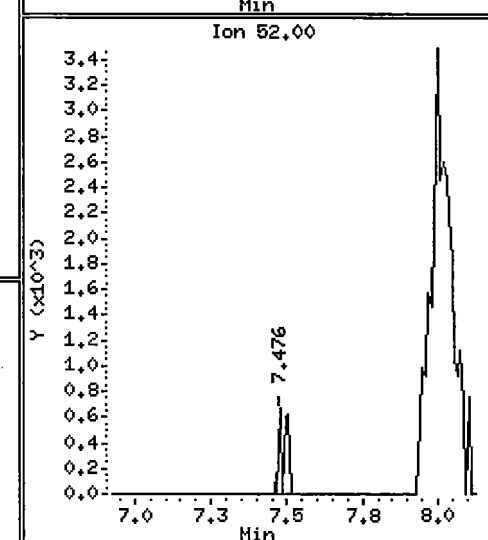


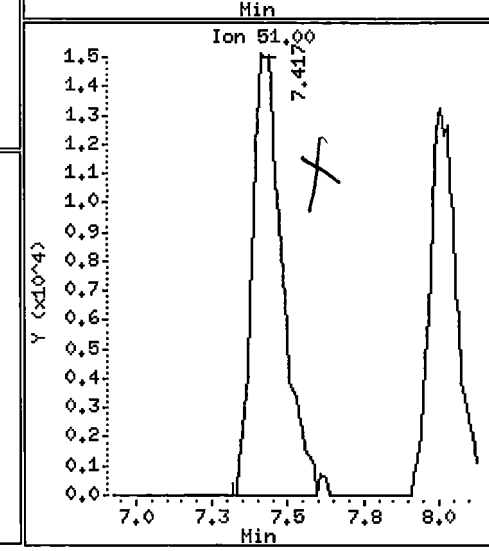












Data File: \\SANP2010\D\CHEM\MC.I\1015AC.B\C09849.D

Date : 15-OCT-2000 20:58

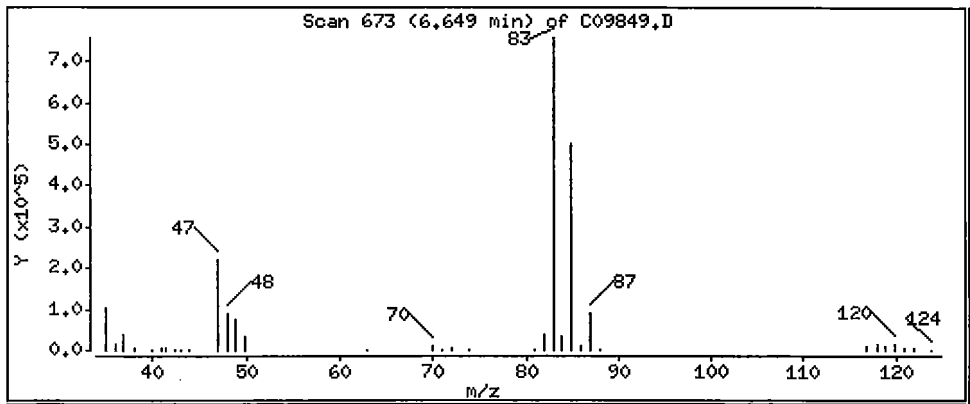
Client ID: C09849 Instrument: mc.i

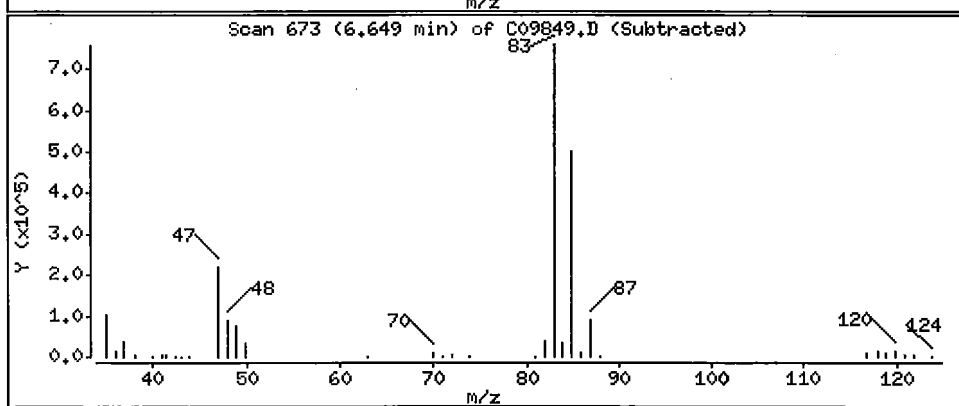
Sample Info: DM3H81AD,,1,,0,1,0,8260BCL.M,C09849

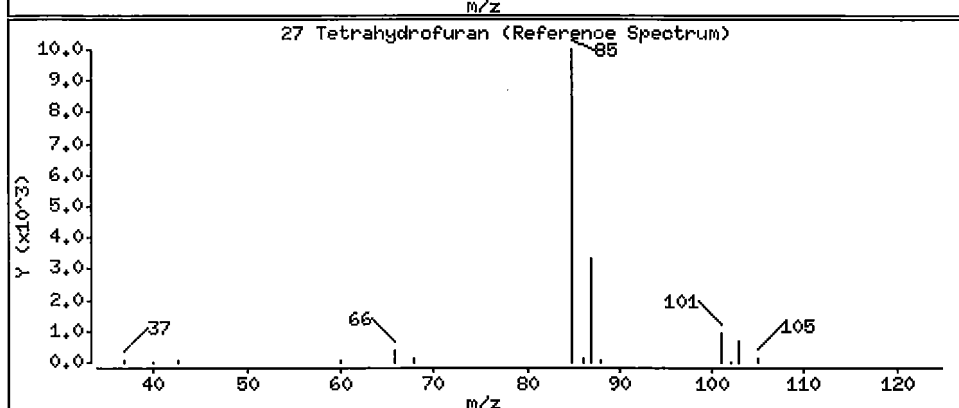
Purge Volume: 1.0 Operator: RRT

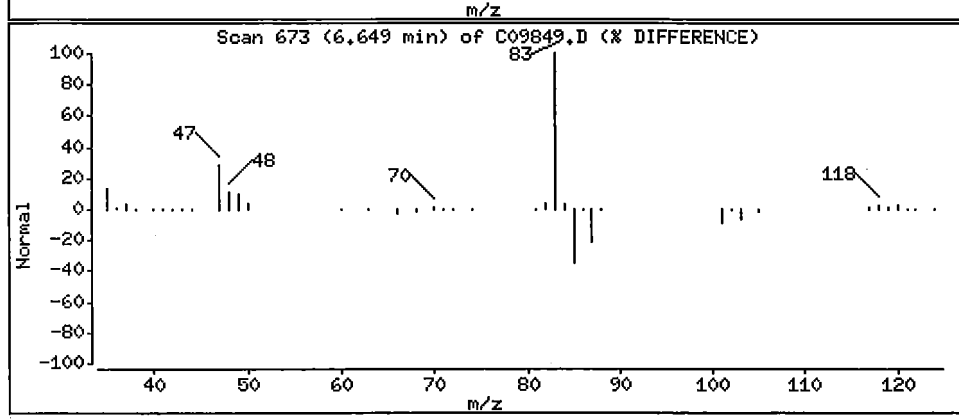
Column phase: J&W DB-624 Column diameter: 0.53

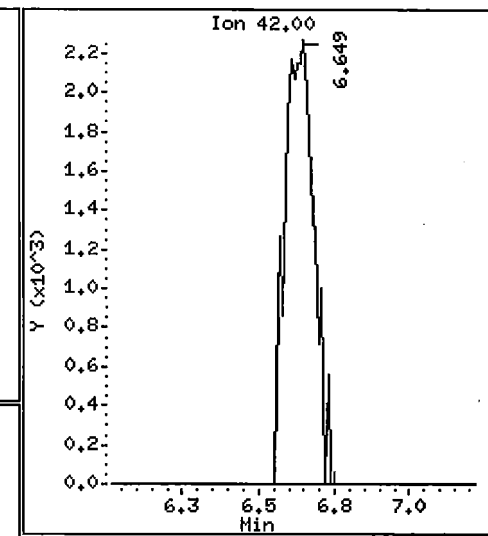
27 Tetrahydrofuran Concentration: 253.7 ug/L

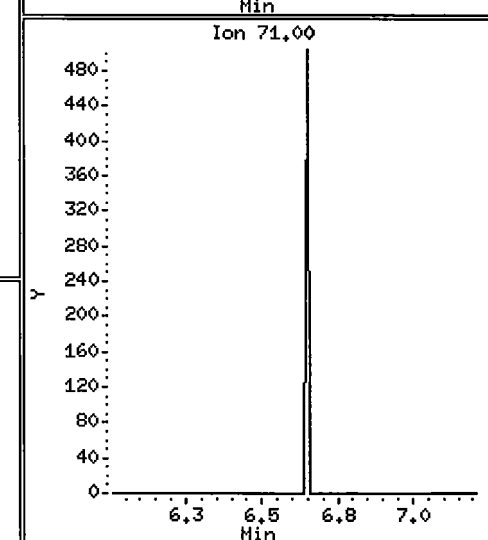


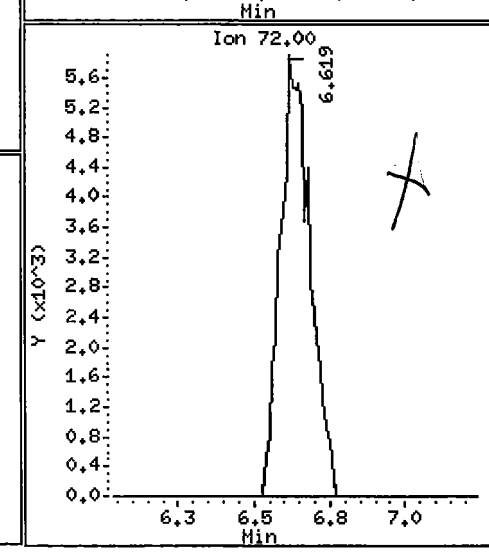












Data File: \\SANP2010\D\CHEM\MC.I\1015AC.B\C09849.D

Date : 15-OCT-2000 20:58

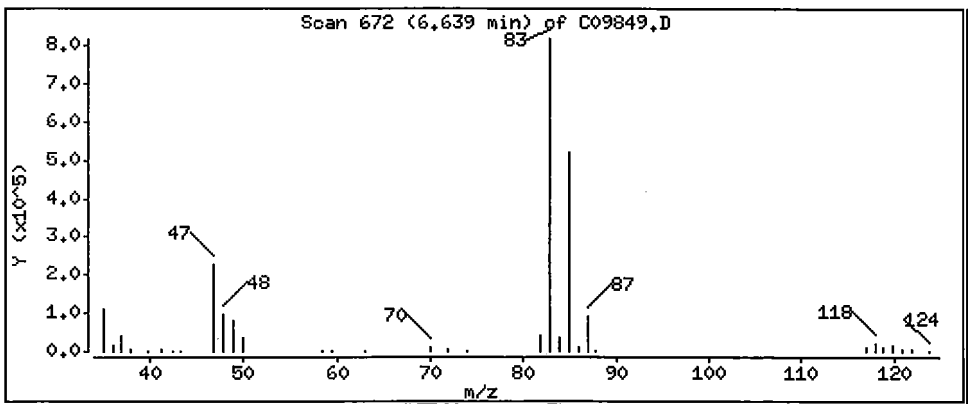
Client ID: C09849 Instrument: mc.i

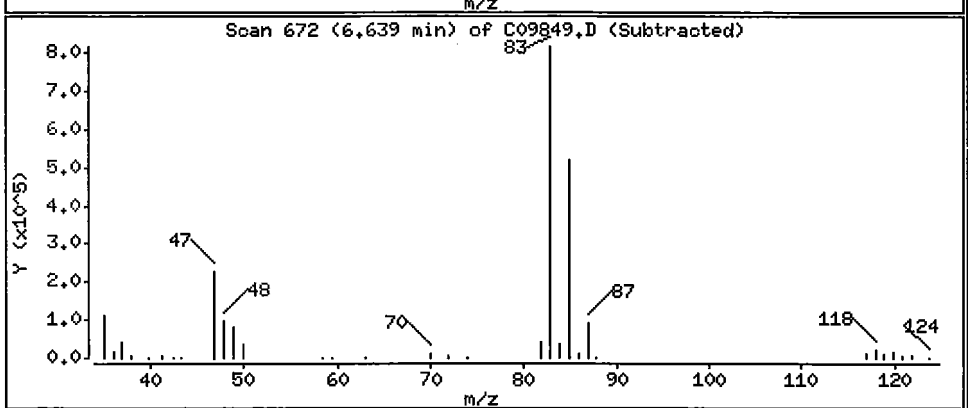
Sample Info: DM3H81AD,,1,,0,1,0,8260BCL.M,C09849

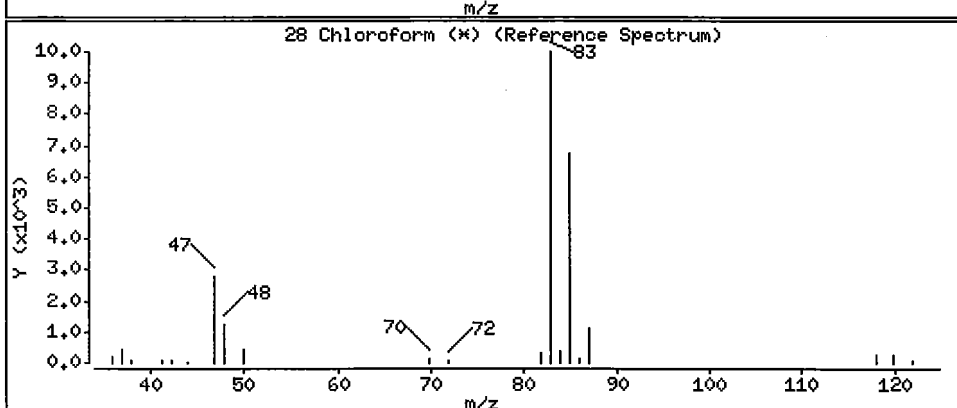
Purge Volume: 1.0 Operator: RRT

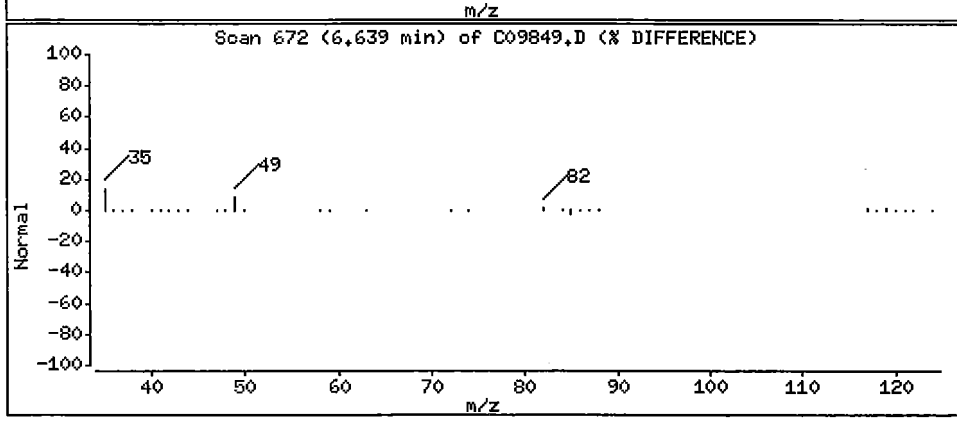
Column phase: J&W DB-624 Column diameter: 0.53

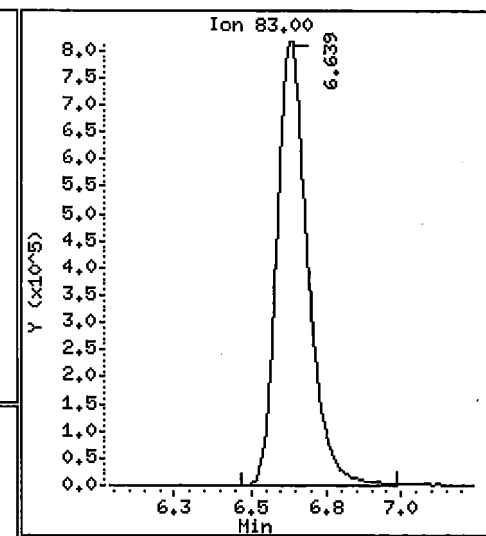
28 Chloroform (*) Concentration: 1516 ug/L

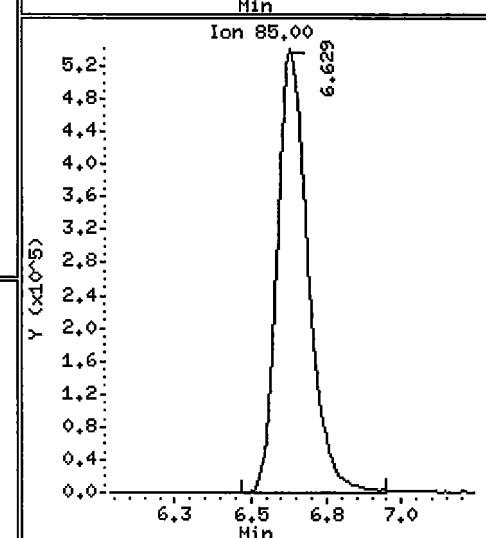


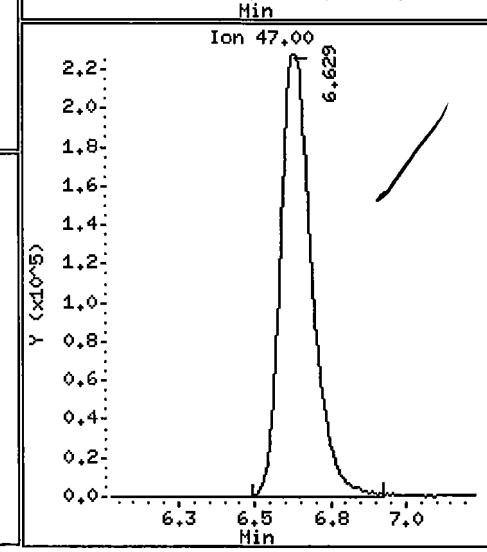












Data File: \\SANP2010\D\CHEM\MC.I\1015AC.B\C09849.D

Date : 15-OCT-2000 20:58

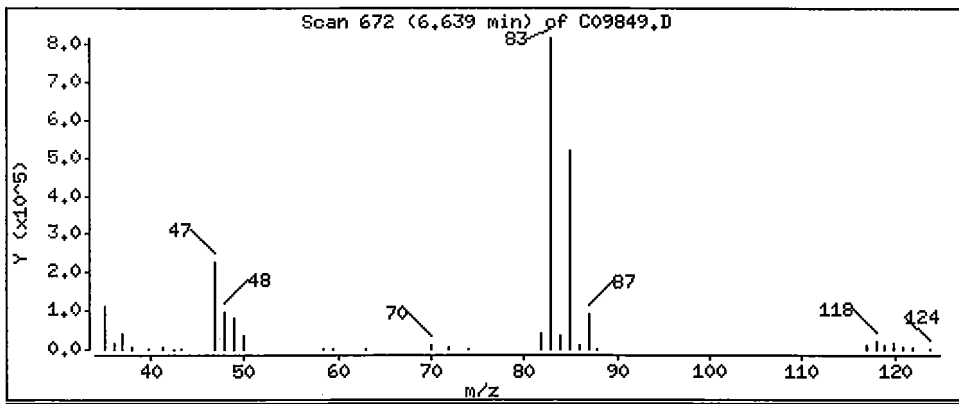
Client ID: C09849 Instrument: mc.i

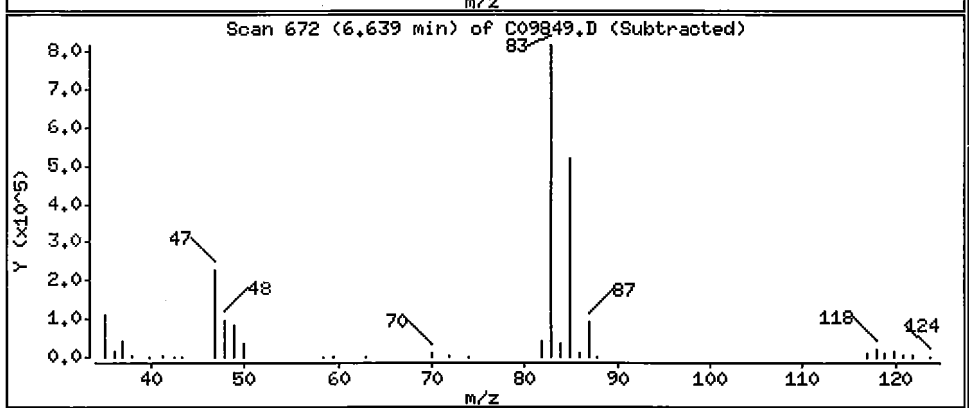
Sample Info: DM3H81AD,,1,,0,1,0,8260BCL.M,C09849

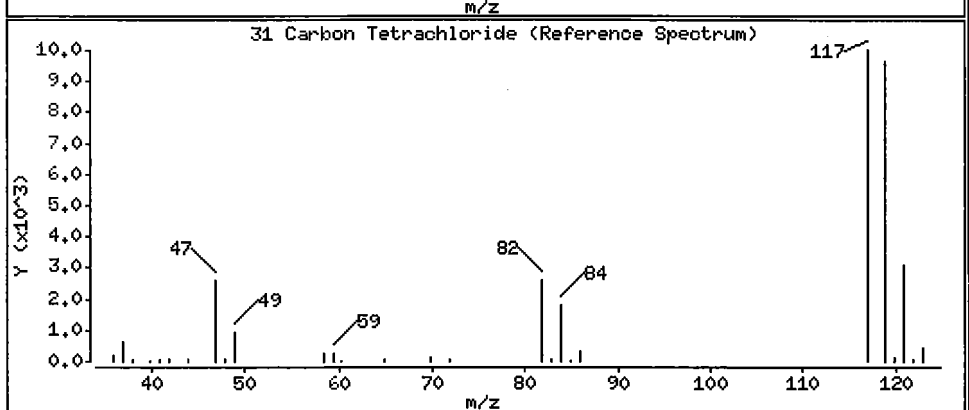
Purge Volume: 1.0 Operator: RRT

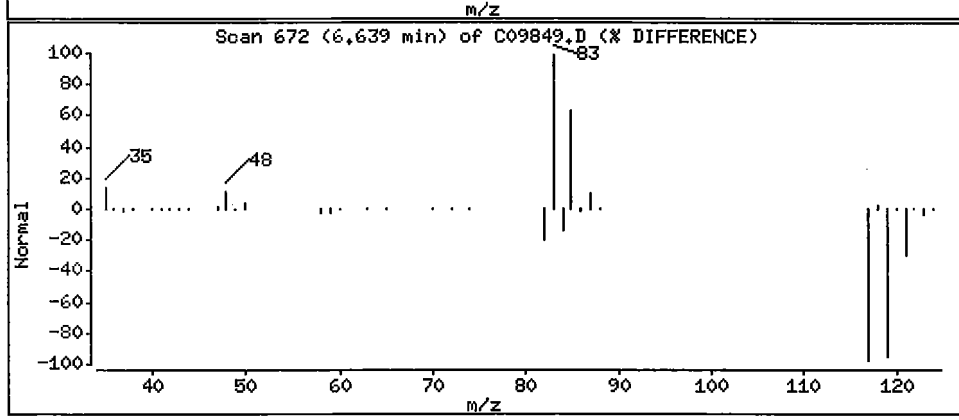
Column phase: J&W DB-624 Column diameter: 0.53

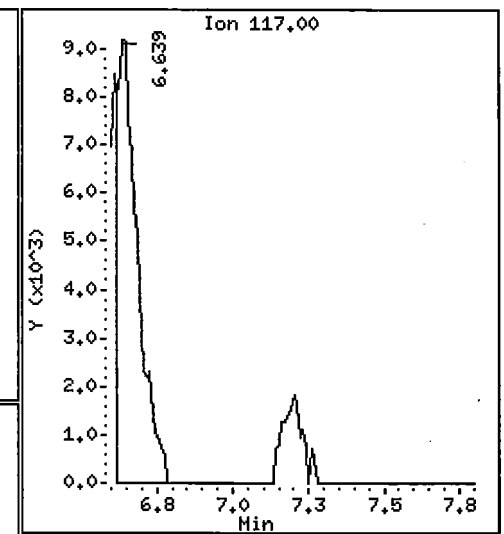
31 Carbon Tetrachloride Concentration: 12.82 ug/L

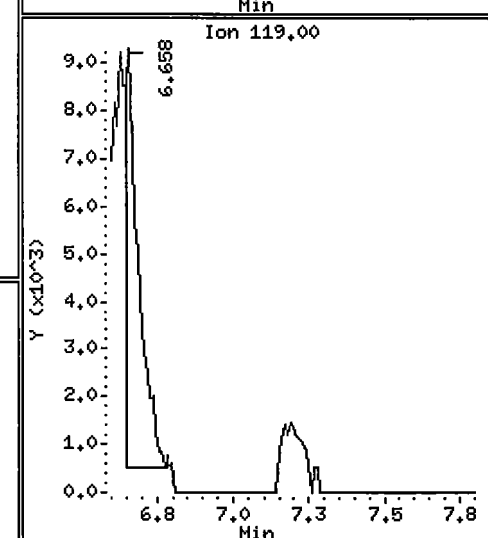


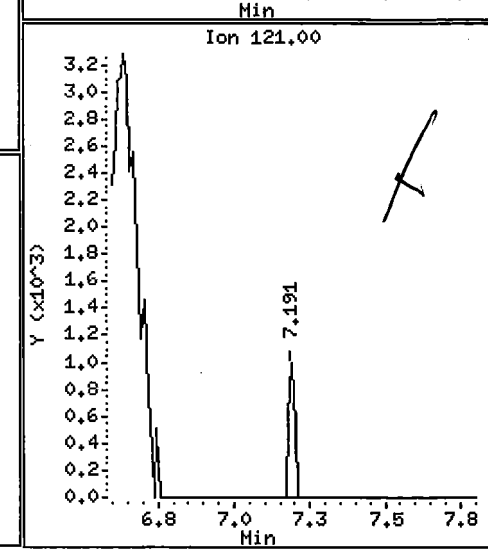












Data File: \\SANP2010\D\CHEM\MC.I\1015AC.B\C09849.D

Date : 15-OCT-2000 20:58

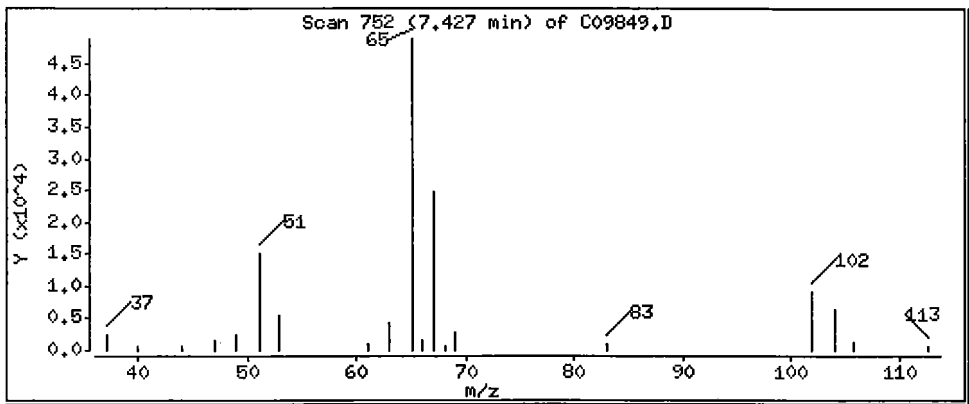
Client ID: C09849 | Instrument: mc.i

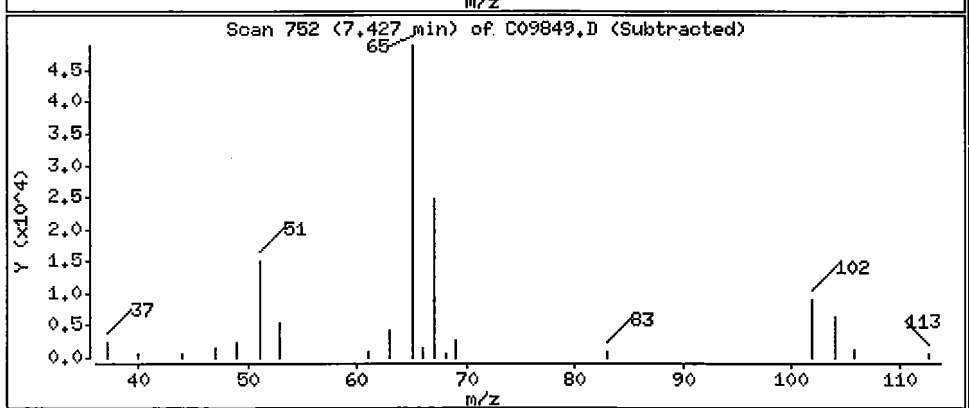
Sample Info: DM3H81AD,,1,,0,1,0,8260BCL.M,C09849

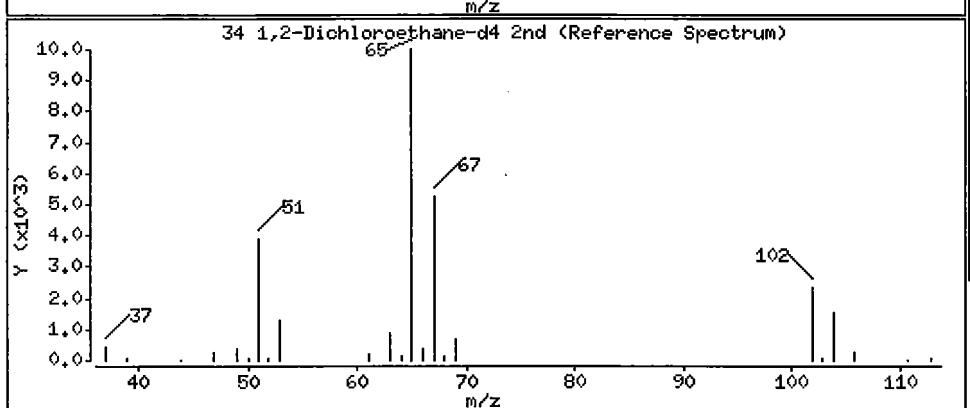
Purge Volume: 1.0 | Operator: RRT

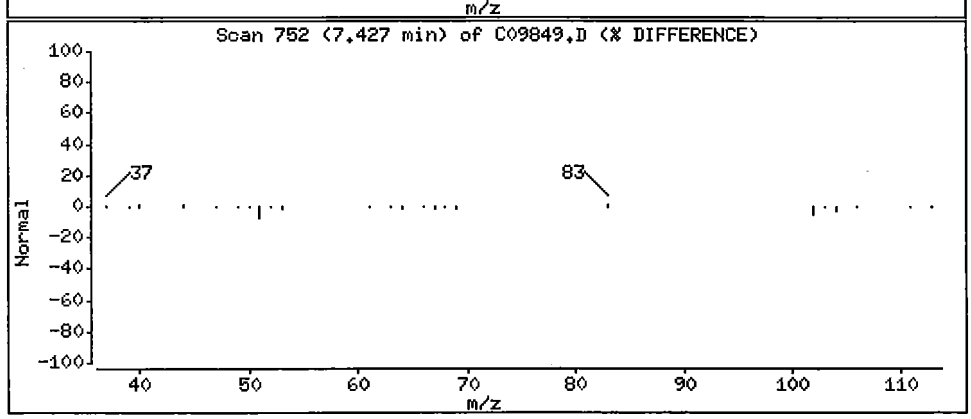
Column phase: J&W DB-624 | Column diameter: 0.53

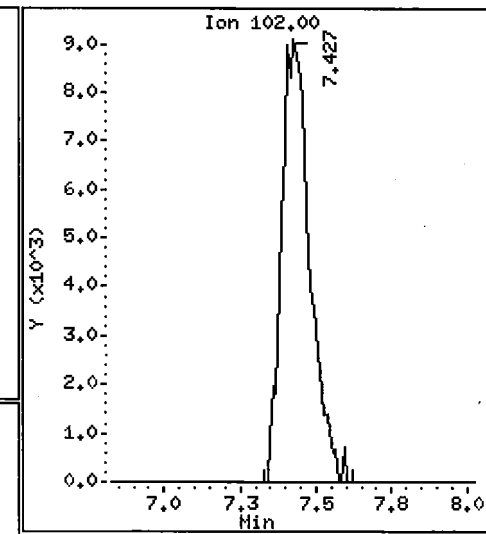
34 1,2-Dichloroethane-d4 2nd | Concentration: 269.2 ug/L

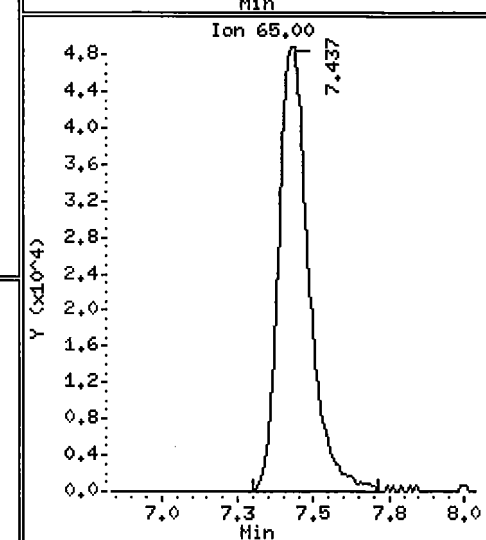












Data File: \\SANP2010\D\CHEM\MC.I\1015AC.B\C09849.D

Date : 15-OCT-2000 20:58

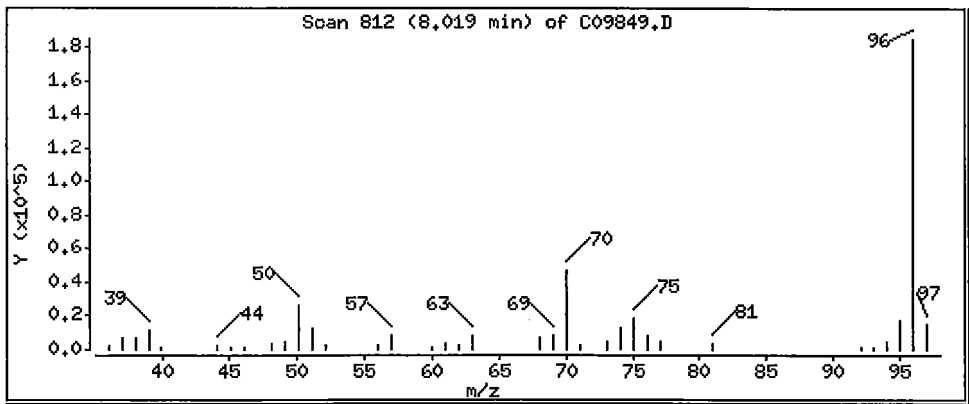
Client ID: C09849 Instrument: mc.i

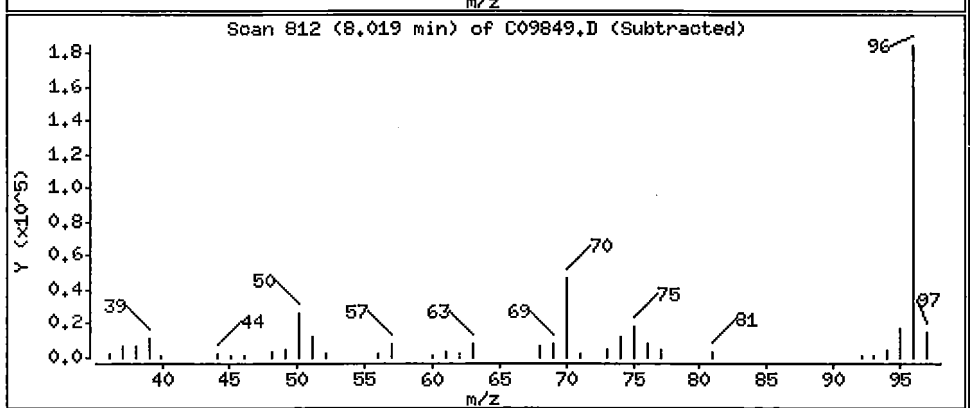
Sample Info: DM3H81AD,,1,,0,1,0,8260BCL.M,C09849

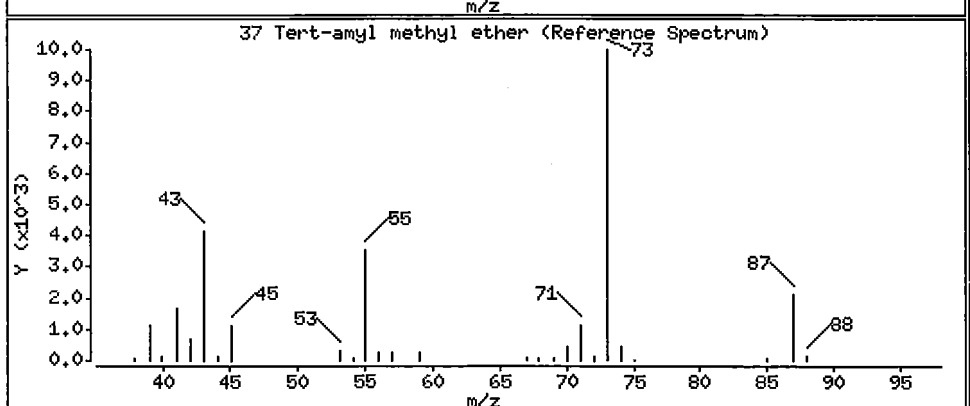
Purge Volume: 1.0 Operator: RRT

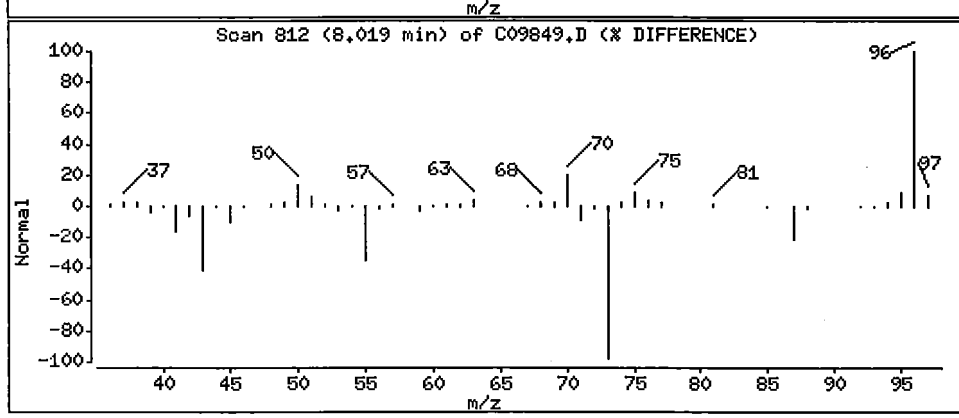
Column phase: J&W DB-624 Column diameter: 0.53

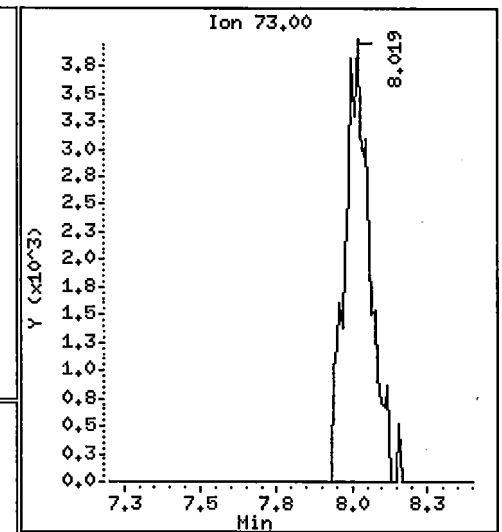
37 Tert-amyl methyl ether Concentration: 11.27 ug/L

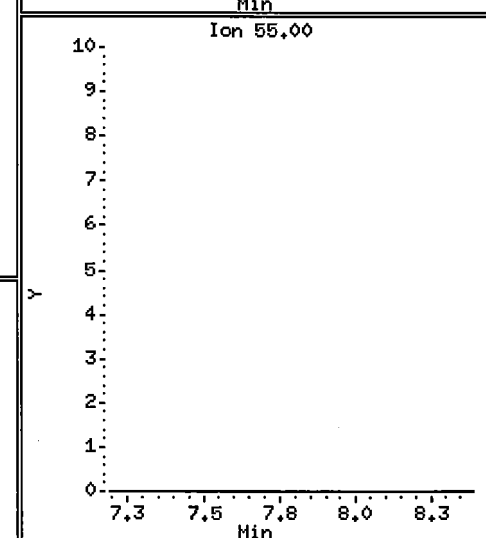


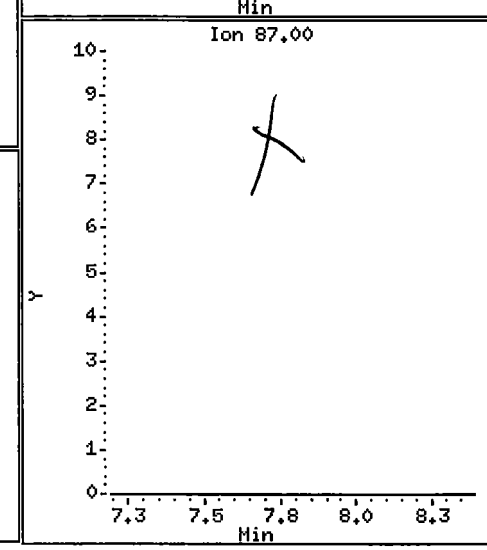






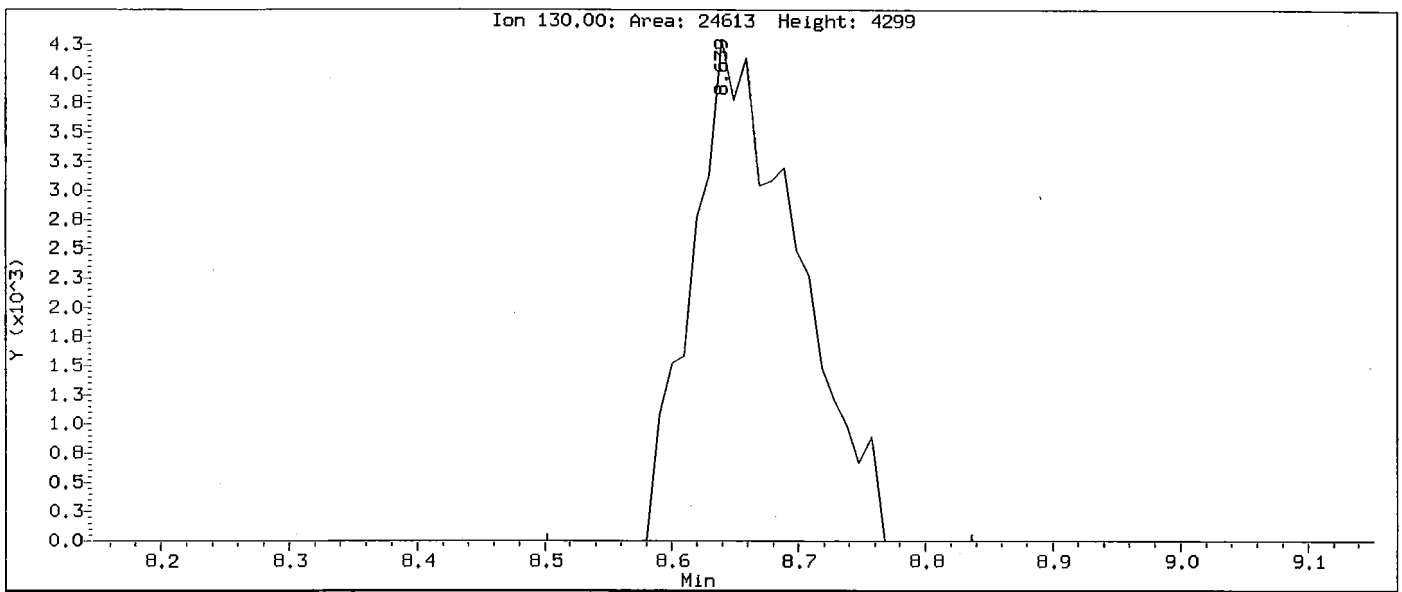


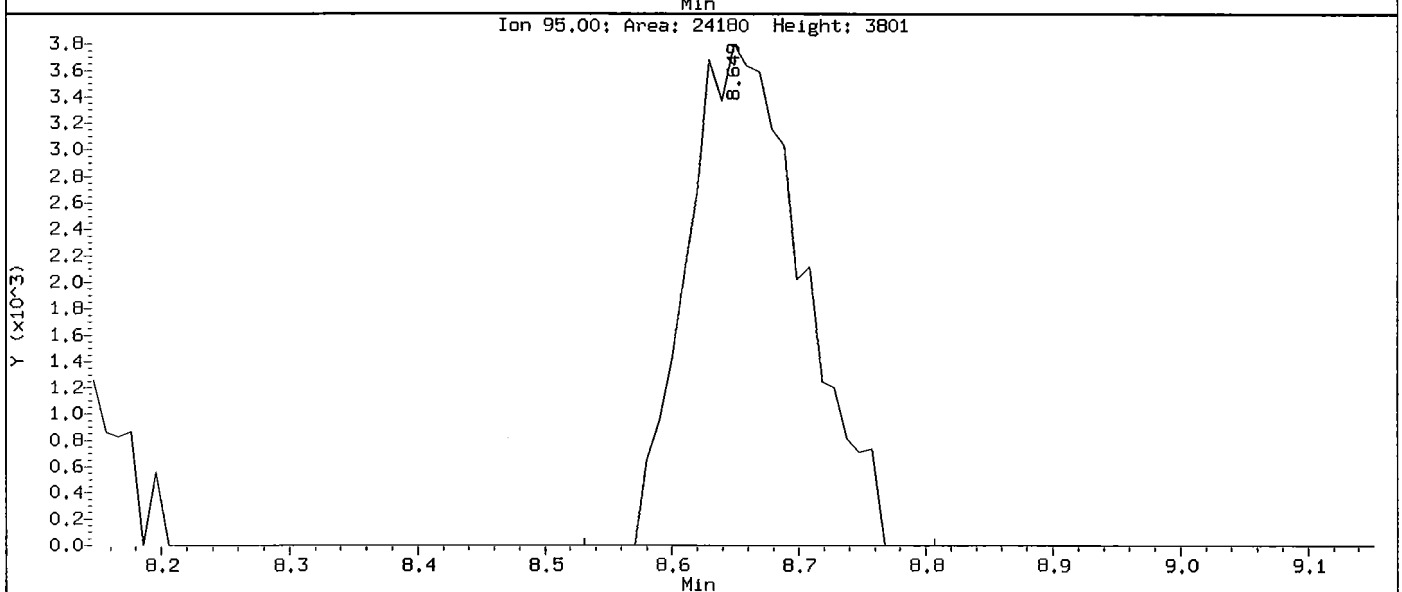


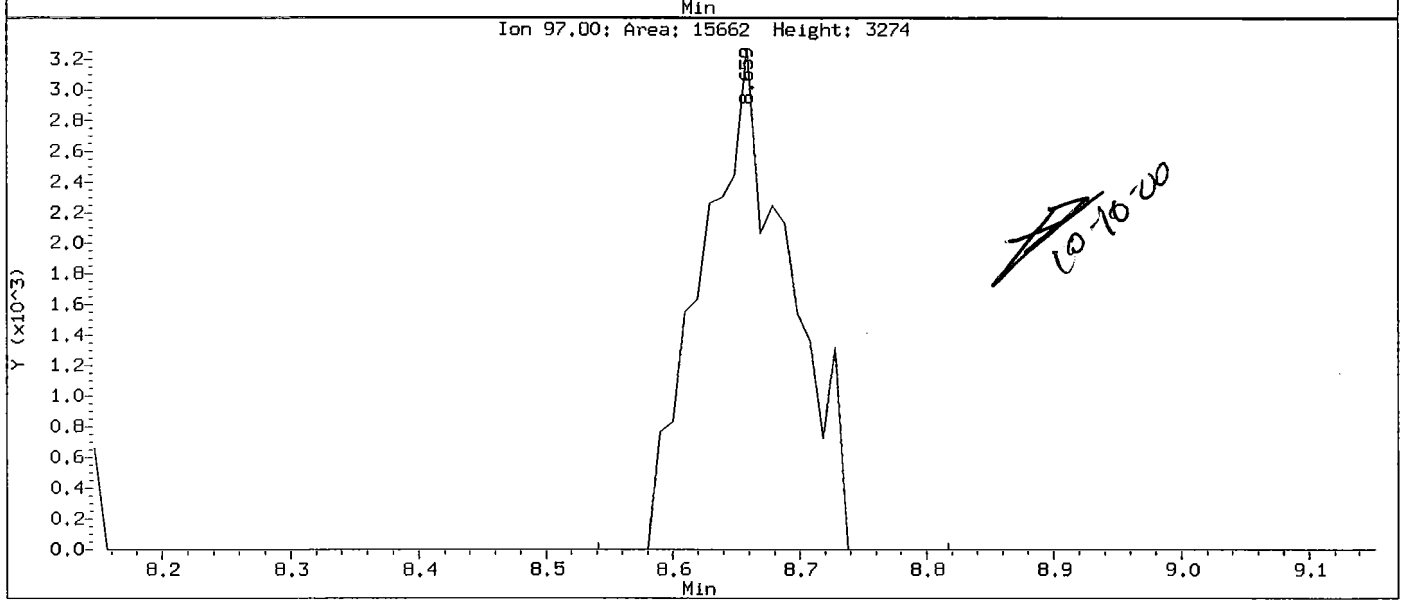


Data File: \\SANP2010\D\chem\mc.i\1015AC.B\C09849.D
Injection Date: 15-OCT-2000 20:58
Instrument: mc.i
Client Sample ID: C09849

Compound: Trichloroethene
CAS Number: 79-01-6







10-16-00

Data File: \\SANP2010\D\CHEM\MC.I\1015AC.B\C09849.D

Date : 15-OCT-2000 20:58

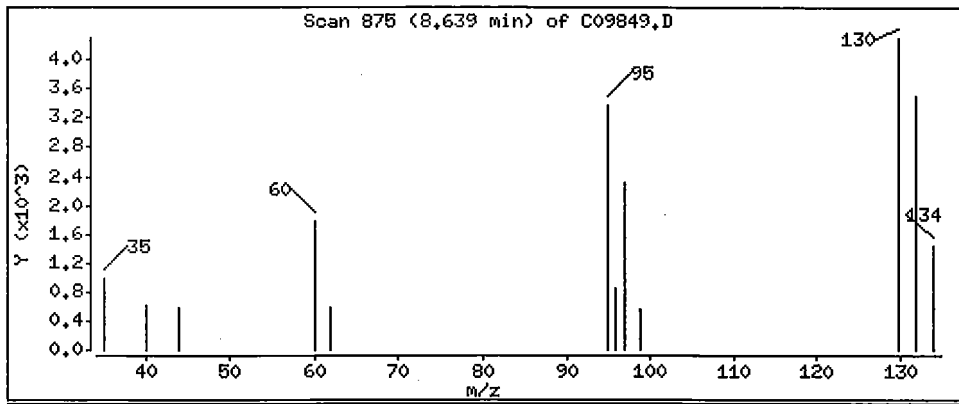
Client ID: C09849 Instrument: mc.i

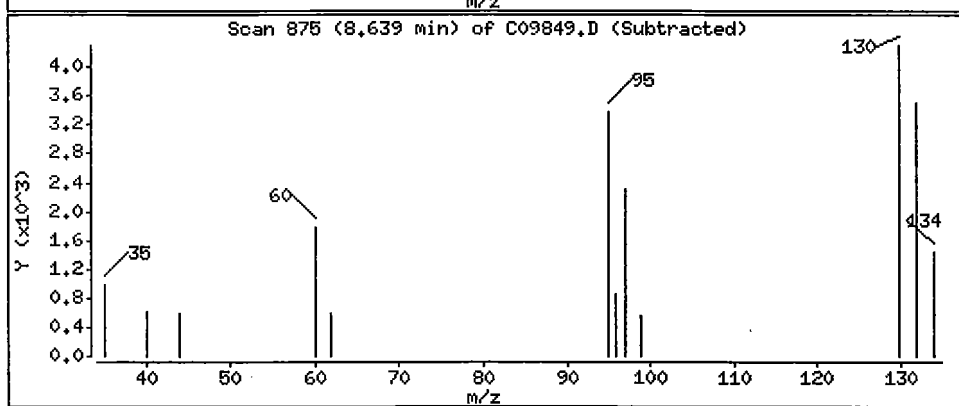
Sample Info: DM3H81AD,,1,,0,1,0,8260BCL.M,C09849

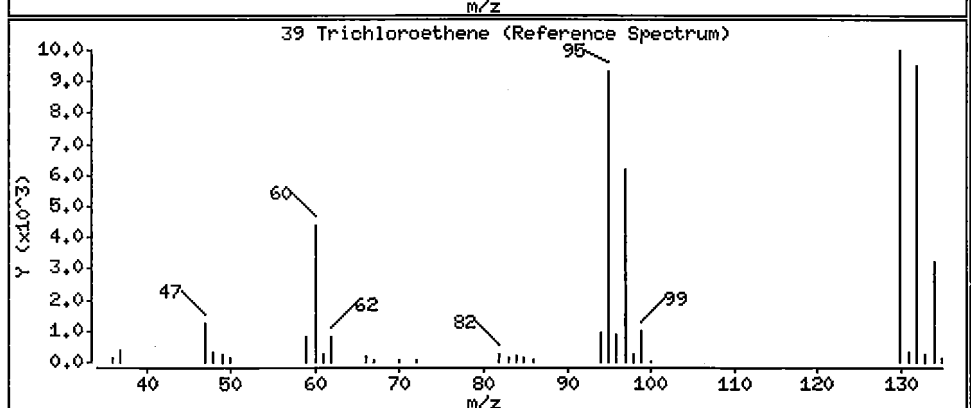
Purge Volume: 1.0 Operator: RRT

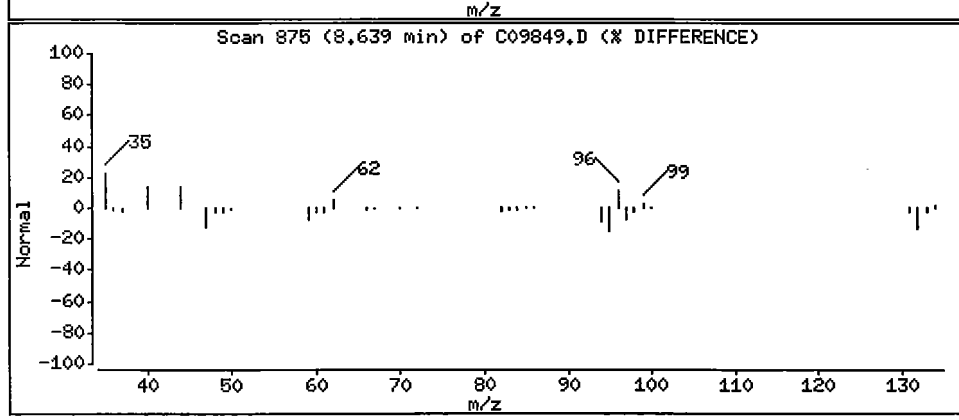
Column phase: J&W DB-624 Column diameter: 0.53

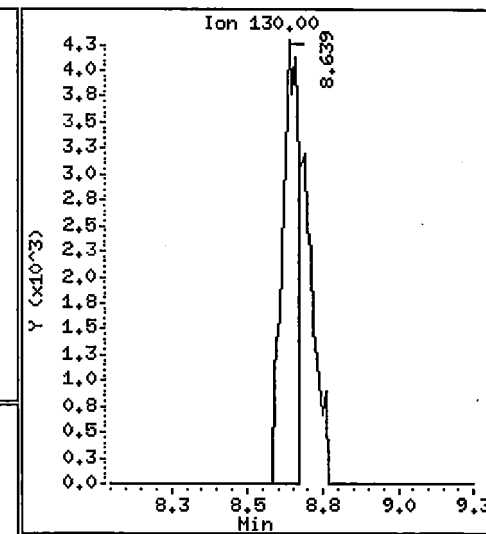
39 Trichloroethene Concentration: 5.94 ug/L

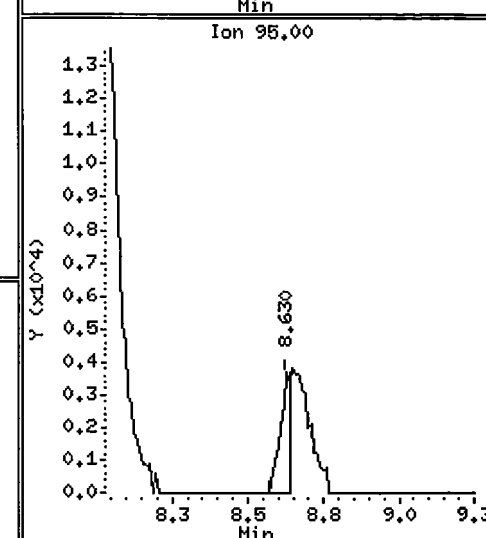


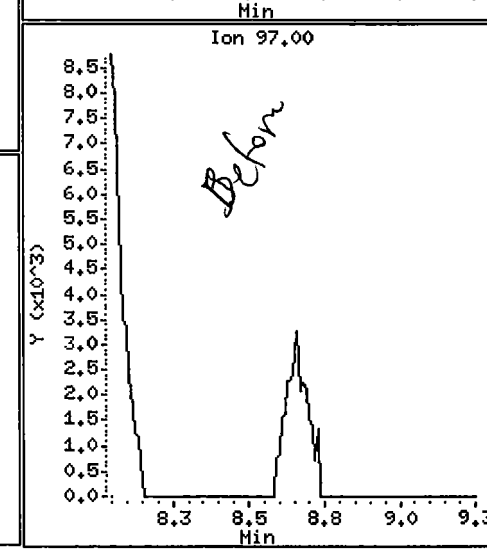












Data File: \\SANP2010\D\CHEM\MC.I\1015AC.B\C09849.D

Date : 15-OCT-2000 20:58

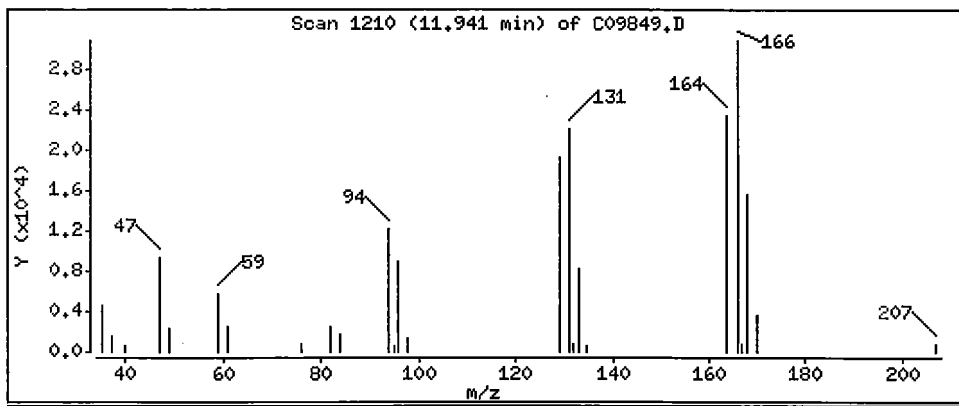
Client ID: C09849 Instrument: mc.i

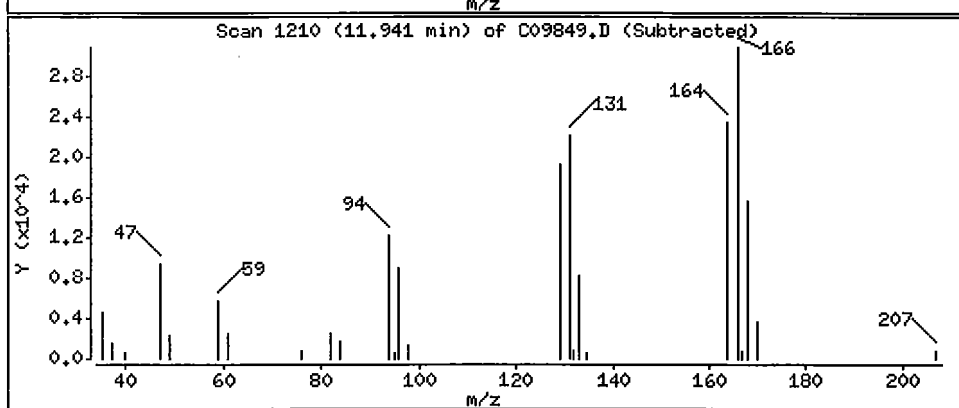
Sample Info: DM3H81AD,,1,,0,1,0,8260BCL.M,C09849

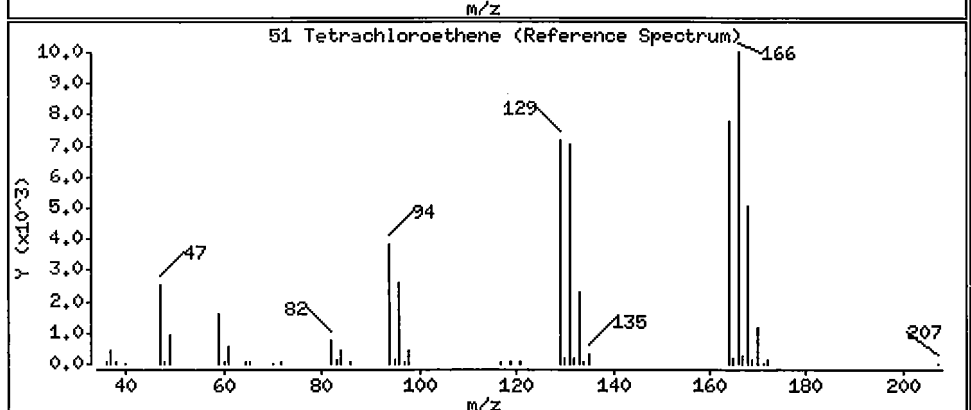
Purge Volume: 1.0 Operator: RRT

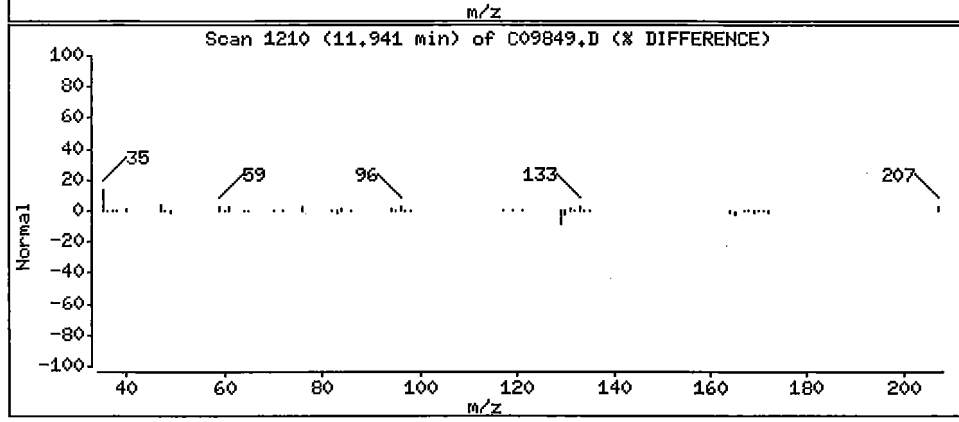
Column phase: J&W DB-624 Column diameter: 0.53

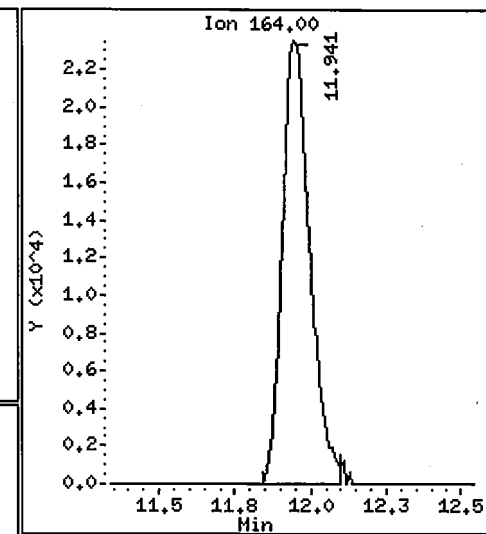
51 Tetrachloroethene Concentration: 54.52 ug/L

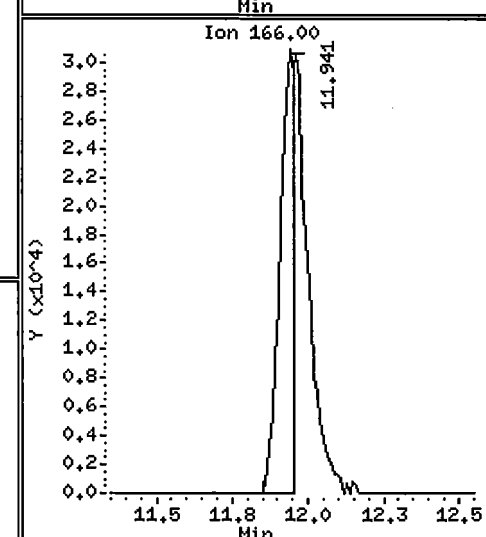


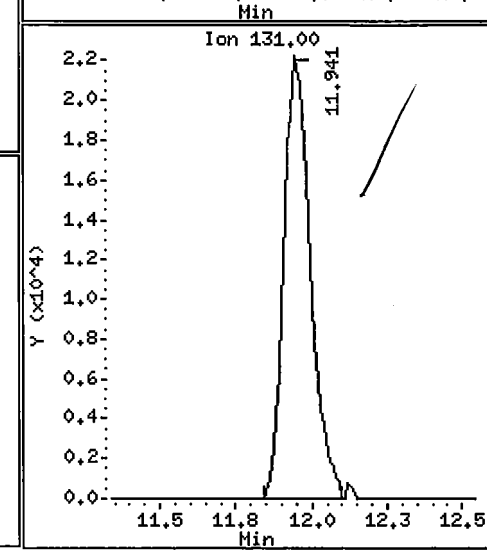












Data File: \\SANP2010\D\CHEM\MC.I\1015AC.B\C09849.D

Date : 15-OCT-2000 20:58

Client ID: C09849

Instrument: mc.i

Sample Info: DM3H81AD,,1,,0,1,0,8260BCL.M,C09849

Purge Volume: 1.0

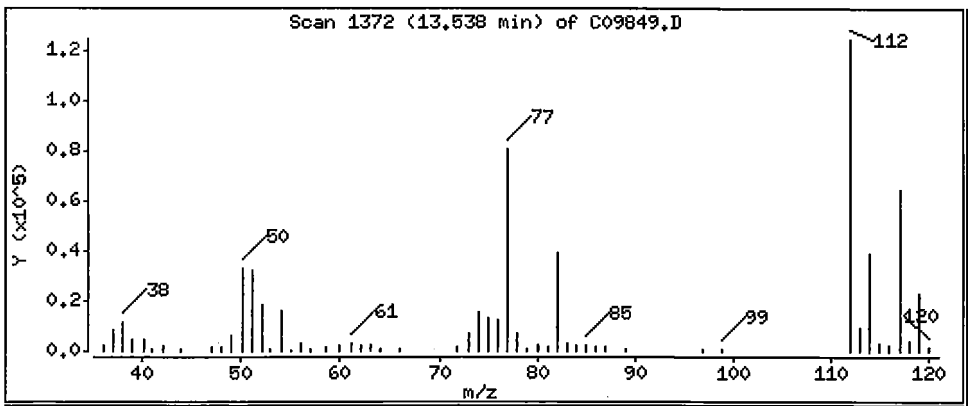
Operator: RRT

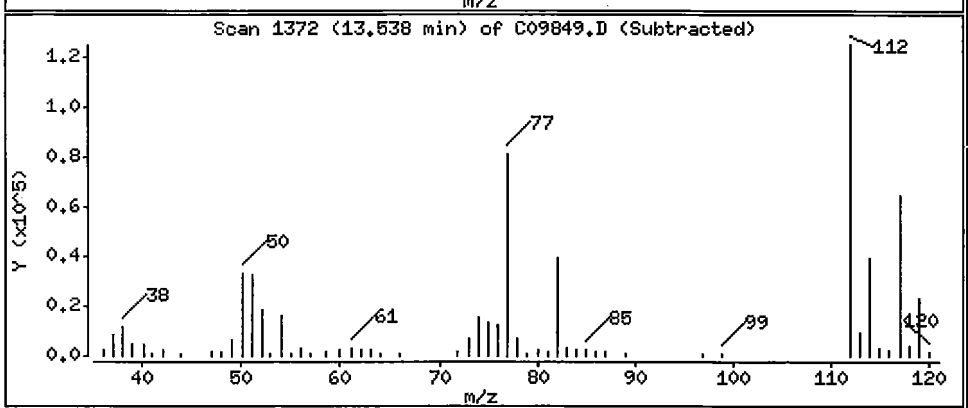
Column phase: J&W DB-624

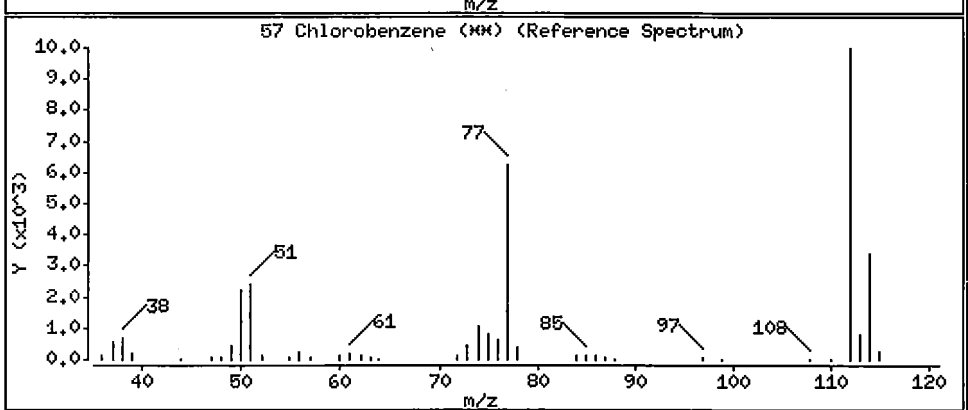
Column diameter: 0.53

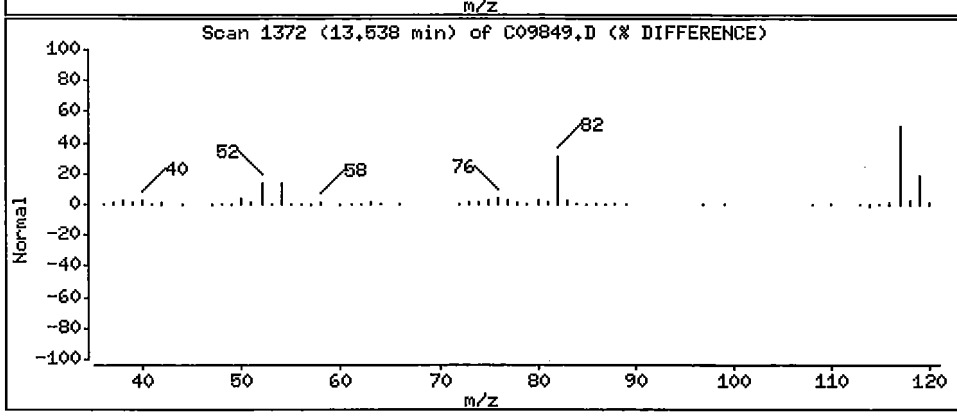
57 Chlorobenzene (**)

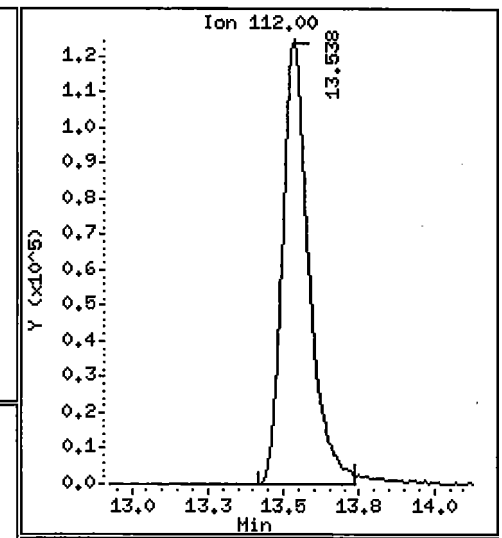
Concentration: 187.8 ug/L

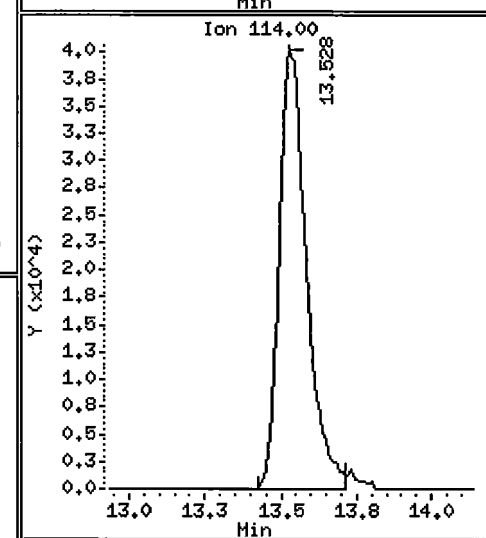


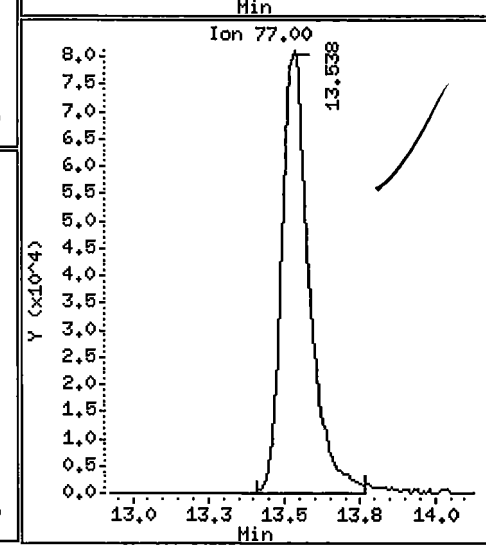












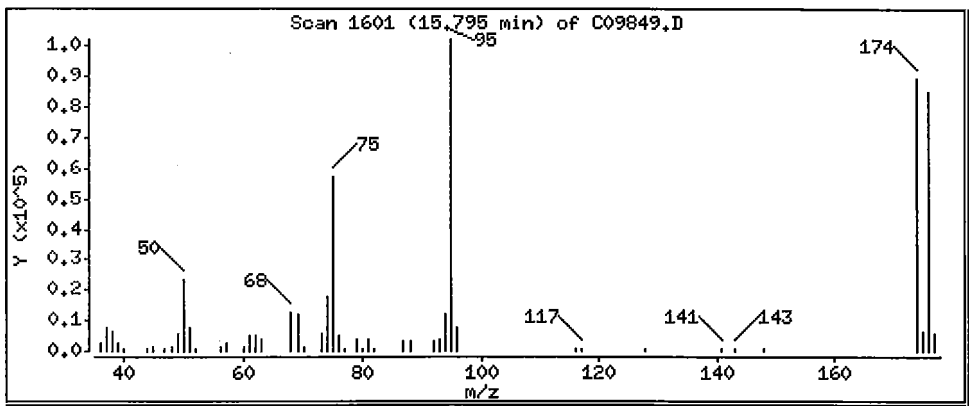
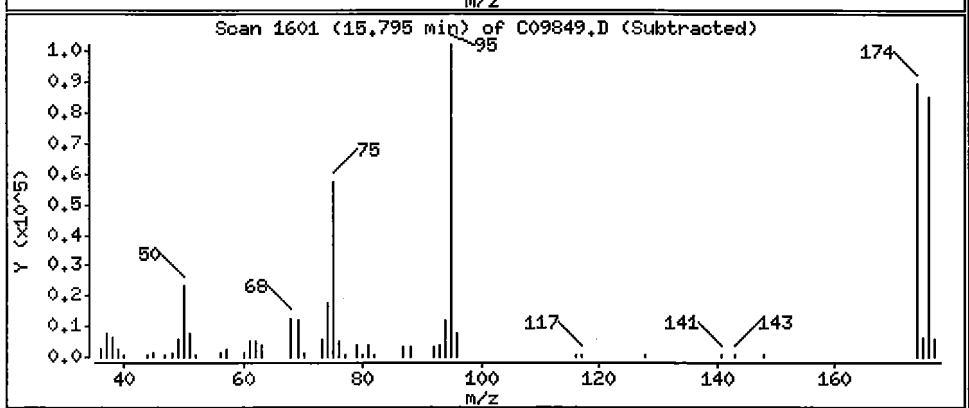
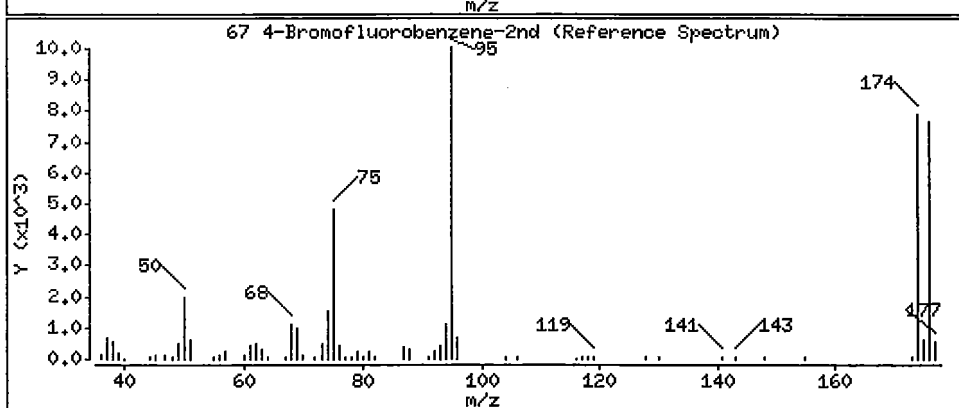
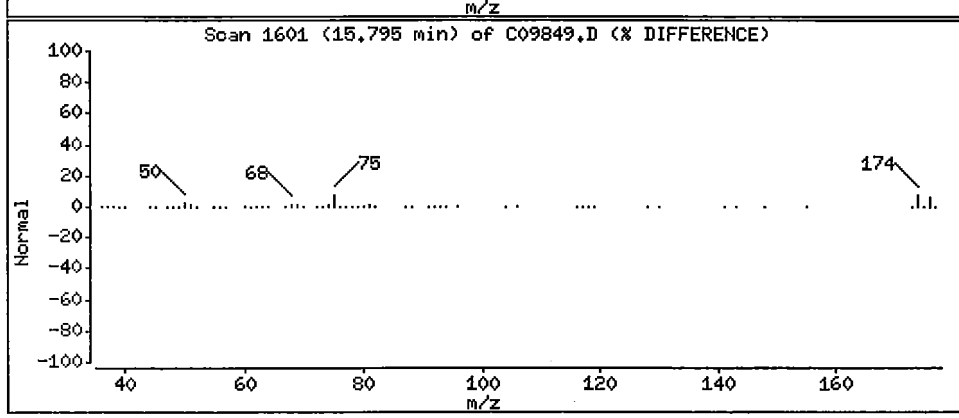
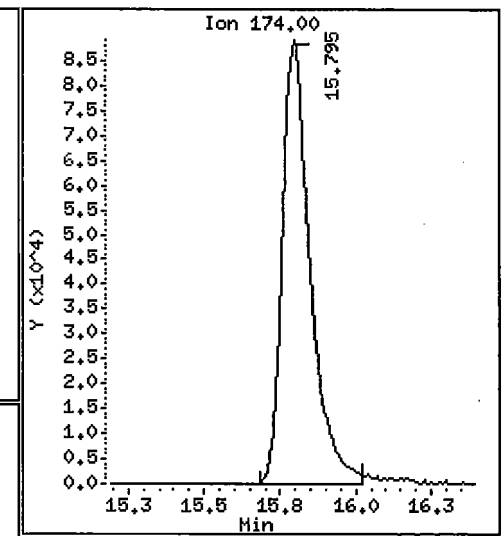
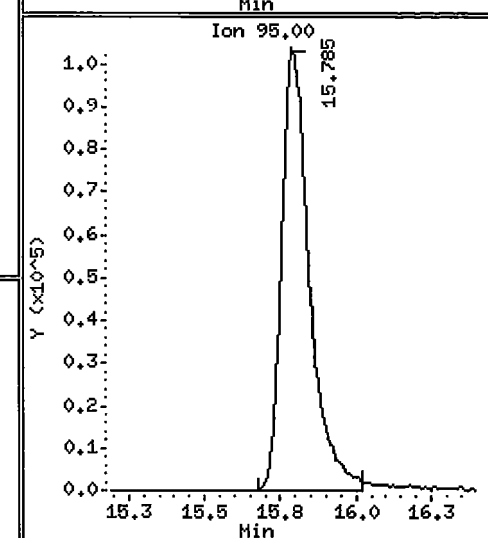
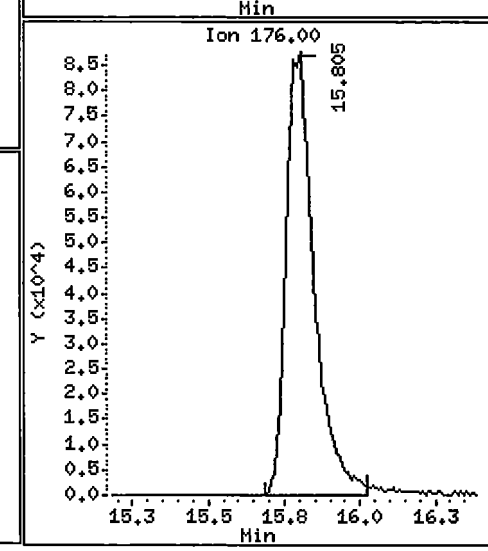
Data File: \\SANP2010\D\CHEM\MC.I\1015AC.B\C09849.D

Date : 15-OCT-2000 20:58

Client ID: C09849 Instrument: mc.i

Sample Info: DM3H81AD,,1,,0,1,0,8260BCL.M,C09849

Purge Volume: 1.0 Operator: RRT

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

67 4-Bromofluorobenzene-2nd Concentration: 247.2 ug/L