Comments for Sample AD29520 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 01-04-2002 Time: 14:42:33

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds, except for bis(2-Ethylhexyl)phthalate at an estimated level of 0.26 ug/L. It is also present in the Laboratory Blank at 0.66 ug/L. The recovery for the Surrogate Standard was below its acceptance range. This sample will be re-extracted and re-analyzed.

User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 01/04/2002 Time: 14:40:12

Sample: AD29520
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 1/4/02 14:38 Ended: 1/4/02 14:38 Analyst: DLV
Page: 1

	Component Name	Vial	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr: 2,4 DBO	LSPEC	1.a		E.C

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DEC1301\29520.D Vial: 7
Acq On : 13 Dec 2001 3:43 pm Operator: 209 GALOS
Sample : gcms scan 12/6 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 20 11:10 2001 Quant Results File: GCMS1126.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Thu Dec 13 14:40:46 2001
Response via : Initial Calibration
DataAcq Meth : GCMS1126

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	11.68	152	1120141	20.00	ug/l	-0.02
10) Naphthalene-d8	15.27	136	4307986	20.00	ug/l	-0.03
17) Acenaphthene-d10	20.55	164	2112612	20.00	ug/l	-0.02
29) Phenanthrene-d10	24.98	188	3082926	20.00	ug/l	-0.01
38) Chrysene-d12	33.01	240	1921726	20.00	ug/l	-0.02
44) Perylene-d12	37.10	264	1291163	20.00	ug/l	-0.01
System Monitoring Compounds						
37) 2,4-DDD	30.05	235	129594	2.90	ug/mL	-0.02
Spiked Amount 5.000			Recovery = 58.00%			
Target Compounds						Qvalue
2) N-nitroso-dimethyl amine	5.30	74	178	N.D.		
3) bis(2-Chloroethyl)ether	0.00	93	0	N.D.		
4) 1,3-Dichlorobenzene	0.00	146	0	N.D.		
5) 1,4-Dichlorobenzene	0.00	146	0	N.D.		
6) 1,2-Dichlorobenzene	0.00	146	0	N.D.		
7) 2,2'-oxybis(1-Chloropropan	0.00	45	0	N.D.		
8) N-Nitroso-di-n-propylamine	0.00	70	0	N.D.		
9) Hexachloroethane	0.00	117	0	N.D.		
11) Nitrobenzene	13.28	77	188	N.D.		
12) Isophorone	0.00	82	0	N.D.		
13) bis(2-Chloroethoxy)methane	0.00	93	0	N.D.		
14) 1,2,4-Trichlorobenzene	0.00	180	0	N.D.		
15) Naphthalene	15.33	128	3556	N.D.		
16) Hexachlorobutadiene	0.00	225	0	N.D.		
18) Hexachlorocyclopentadiene	0.00	237	0	N.D.		
19) 2-Chloronaphthalene	0.00	162	0	N.D.		
20) Dimethylphthalate	0.00	163	0	N.D.		
21) 2,6-Dinitrotoluene	0.00	165	0	N.D.	d	
22) Acenaphthylene	0.00	152	0	N.D.		
23) Acenaphthene	0.00	153	0	N.D.		
24) 2,4-Dinitrotoluene	21.27	165	189	N.D.		
25) Diethylphthalate	22.09	149	1086	N.D.		
26) 4-Chlorophenyl-phenylether	0.00	204	0	N.D.		
27) Fluorene	0.00	166	0	N.D.		
28) Azobenzen/ 1,2-Diphenylhyd	0.00	77	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DEC1301\29520.D Vial: 7
Acq On : 13 Dec 2001 3:43 pm Operator: 209 GALOS
Sample : gcms scan 12/6 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 20 11:10 2001 Quant Results File: GCMS1126.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Thu Dec 13 14:40:46 2001
Response via : Initial Calibration
DataAcq Meth : GCMS1126

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
30)	N-Nitrosodiphenylamine	0.00	168	0	N.D.	
31)	4-Bromophenyl-phenylether	0.00	248	0	N.D.	
32)	Hexachlorobenzene	0.00	284	0	N.D.	
33)	Phenanthrene	25.03	178	1560	N.D.	
34)	Anthracene	25.03	178	1560	N.D.	
35)	Di-n-butylphthalate	26.99	149	11840	N.D.	
36)	Fluoranthene	0.00	202	0	N.D.	
39)	Pyrene	0.00	202	0	N.D.	
40)	Butylbenzylphthalate	31.50	149	2574	N.D.	
41)	Benzo(a)anthracene	33.01	228	4987	N.D.	
42)	Bis(2-ethylhexyl)phthalate	33.30	149	29914	0.26 ug/l #	99
43)	Chrysene	33.01	228	4987	N.D.	
45)	Di-n-Octylphthalate	35.05	149	827	N.D.	
46)	Benzo(b)fluoranthene	36.11	252	151	N.D.	
47)	Benzo(k)fluoranthene	36.07	252	142	N.D.	
48)	Benzo(a)pyrene	37.10	252	5211	N.D.	
49)	Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.	
50)	Dibenz(a,h)anthracene	0.00	278	0	N.D.	
51)	Benzo(g,h,i)perylene	0.00	276	0	N.D.	

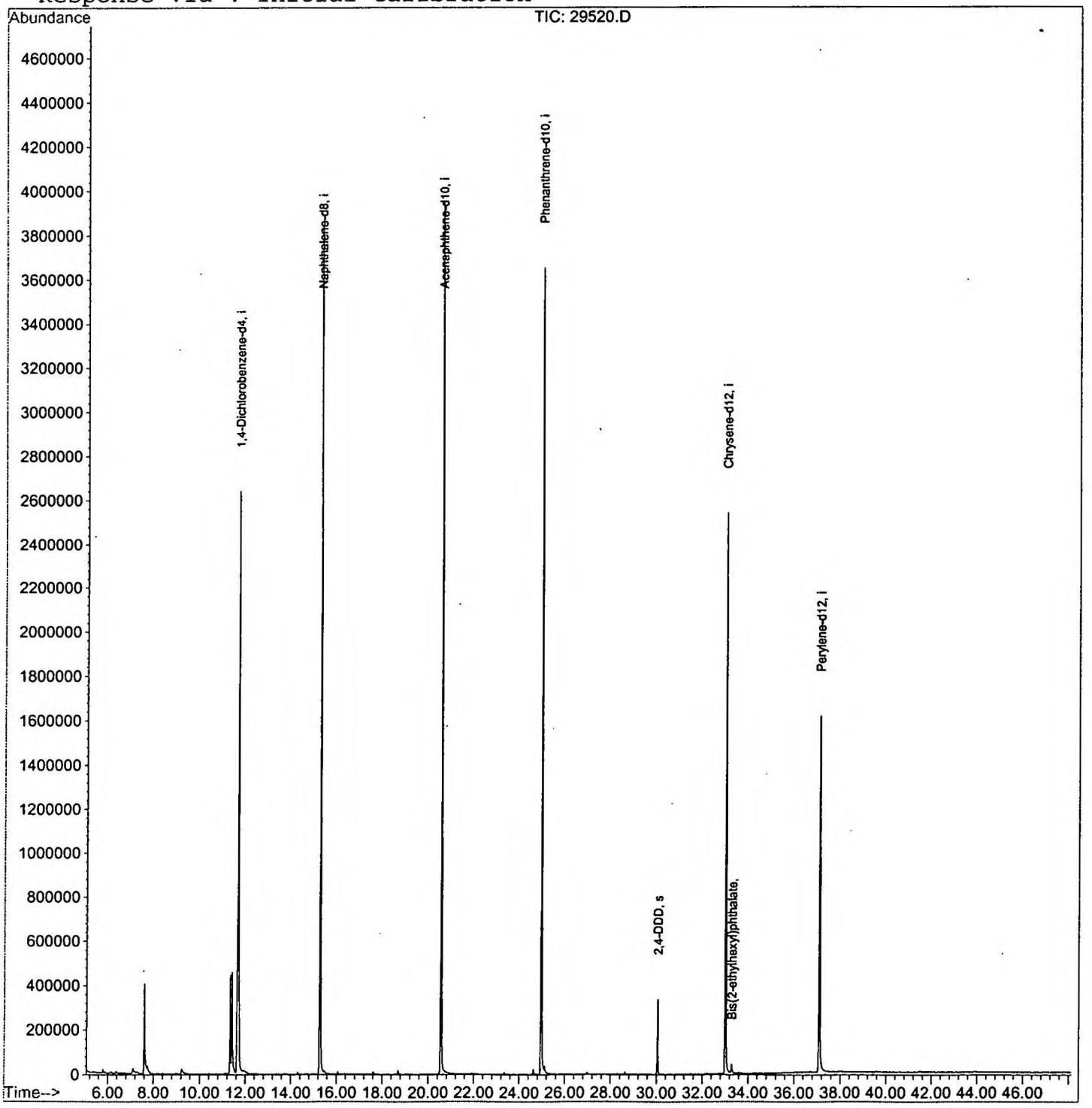
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\DEC1301\29520.D
Acq On : 13 Dec 2001 3:43 pm
Sample : gcms scan 12/6
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 20 11:10 2001

Vial: 7
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00
Quant Results File: GCMS1126.RES

Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Dec 14 12:19:30 2001
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\DEC1301\29520.D Vial: 7
Acq On : 13 Dec 2001 3:43 pm Operator: 209 GALOS
Sample : gcms scan 12/6 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

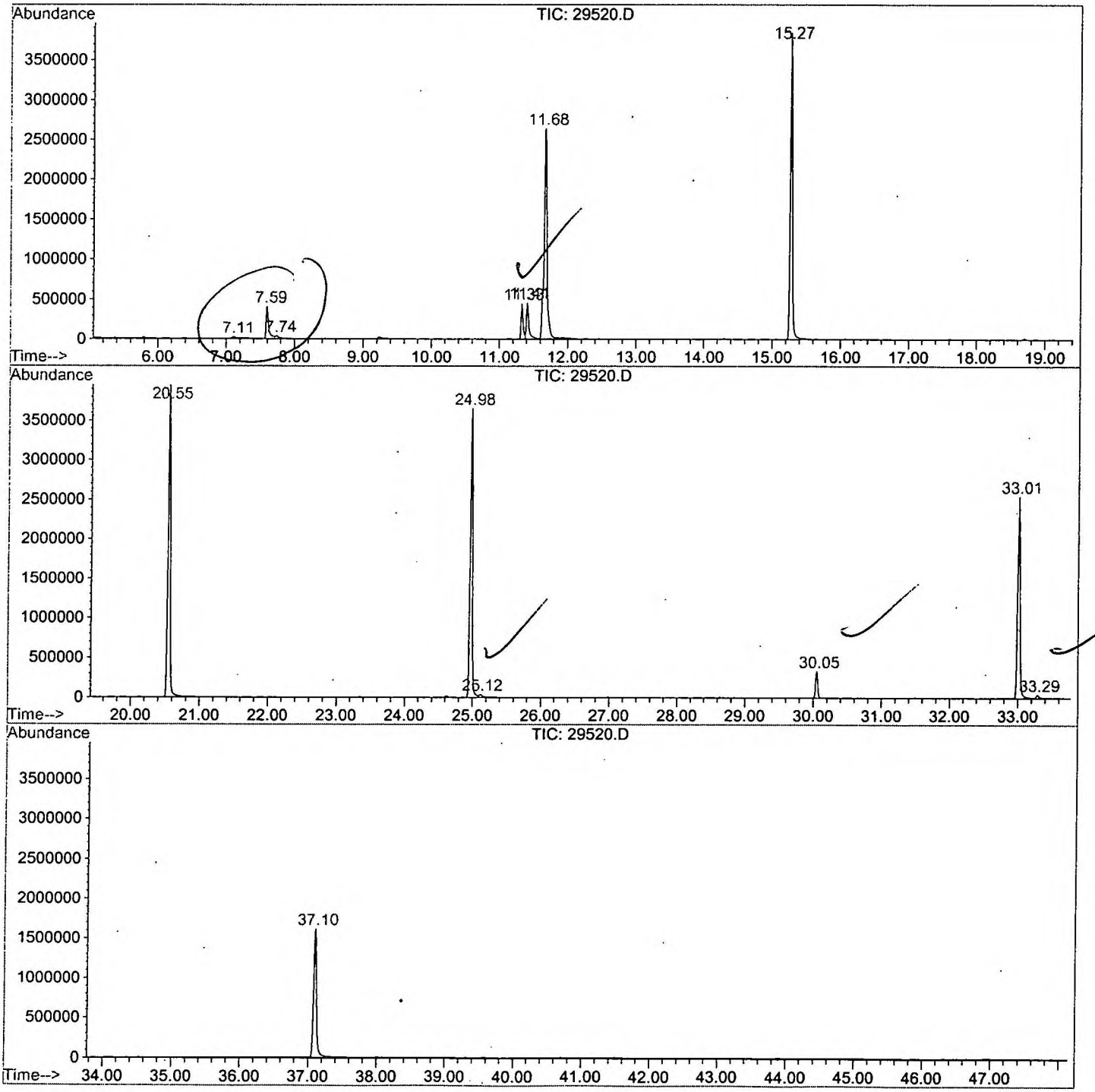
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	7.113	218	225	232	rBV2	23494	87573	1.00%	0.183%
2	7.590	273	277	290	rBV	403652	1045400	11.99%	2.183%
3	7.737	290	293	310	rVB	35465	147349	1.69%	0.308%
4	11.327	680	684	690	rBV	440627	901705	10.34%	1.883%
5	11.409	690	693	713	rVB	450923	1097660	12.59%	2.292%
6	11.676	713	722	739	rBV2	2632944	7744841	88.82%	16.174%
7	15.274	1108	1114	1132	rBV	3843361	8206925	94.12%	17.139%
8	20.553	1682	1689	1710	rBV	3951766	8719638	100.00%	18.210%
9	24.978	2164	2171	2183	rBV2	3652778	8250808	94.62%	17.231%
10	25.115	2183	2186	2199	rVB	34387	114223	1.31%	0.239%
11	30.054	2718	2724	2730	rBV	335127	719040	8.25%	1.502%
12	33.011	3039	3046	3062	rBV2	2539637	6016701	69.00%	12.565%
13	33.286	3072	3076	3085	rVB2	37725	94619	1.09%	0.198%
14	37.105	3484	3492	3508	rBV2	1607487	4738165	54.34%	9.895%

Sum of corrected areas: 47884647

29520.D GCMS1126.M Fri Dec 21 13:13:49 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\DEC1301\29520.D
Operator : 209 GALOS
Acquired : 13 Dec 2001 3:43 pm using AcqMethod GCMS1126
Instrument : GC/MS 209
Sample Name: gcms scan 12/6
Misc Info :
Vial Number: 7
Quant File :GCMS1126.RES (RTE Integrator)



29520.D GCMS1126.M Fri Dec 21 13:13:55 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC1301\29520.D
Acq On : 13 Dec 2001 3:43 pm
Sample : gcms scan 12/6
Misc :
MS Integration Params: LSCINT.P

Vial: 7
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

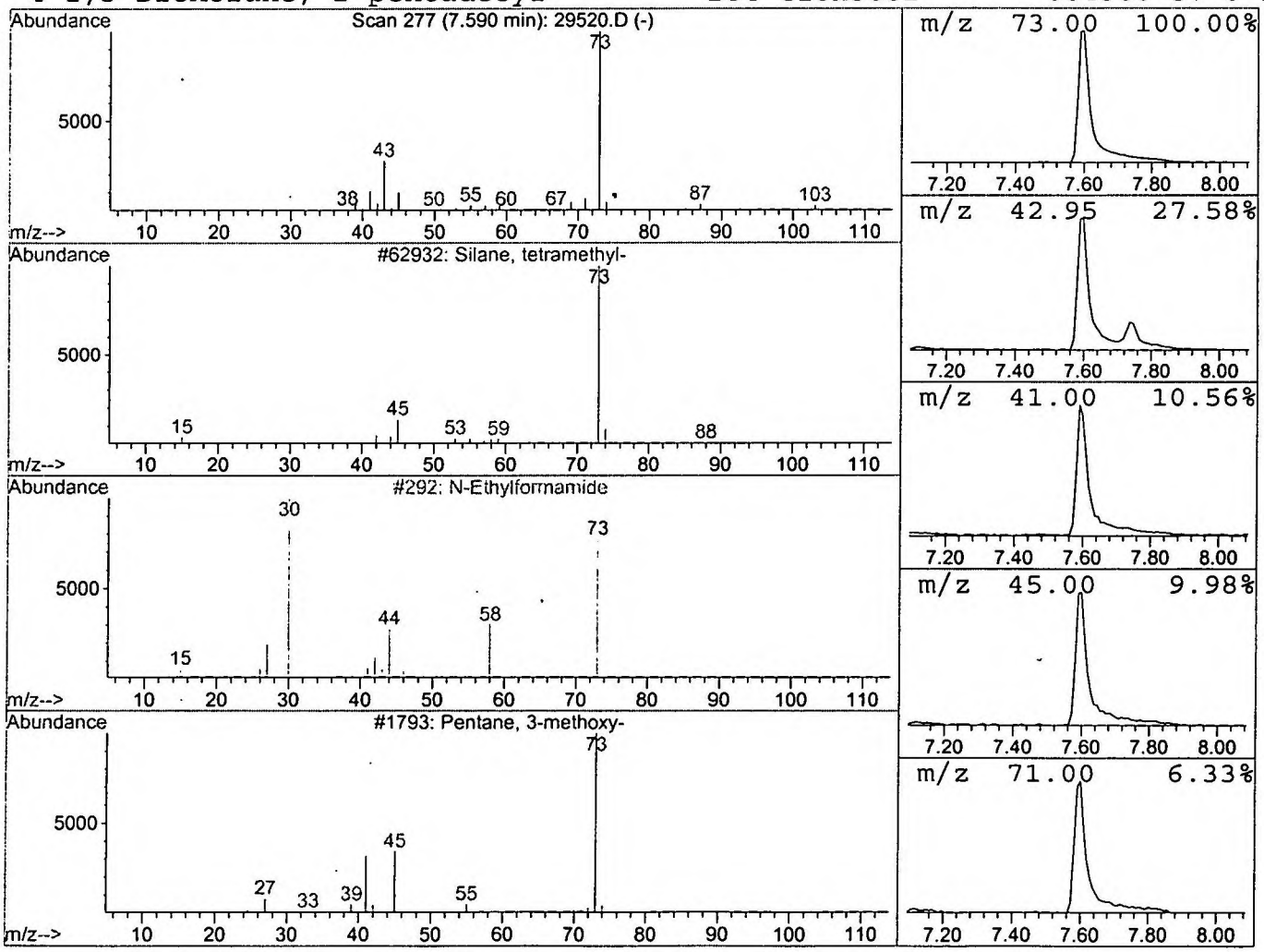
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Silane, tetramethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.59	2.70 ug/l	1045400	1,4-Dichlorobenzene-d4	11.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9
2	N-Ethylformamide	73	C3H7NO	000627-45-2	9
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	9
4	1,3-Dioxolane, 2-pentadecyl-	284	C18H36O2	004360-57-0	9



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC1301\29520.D Vial: 7
Acq On : 13 Dec 2001 3:43 pm Operator: 209 GALOS
Sample : gcms scan 12/6 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

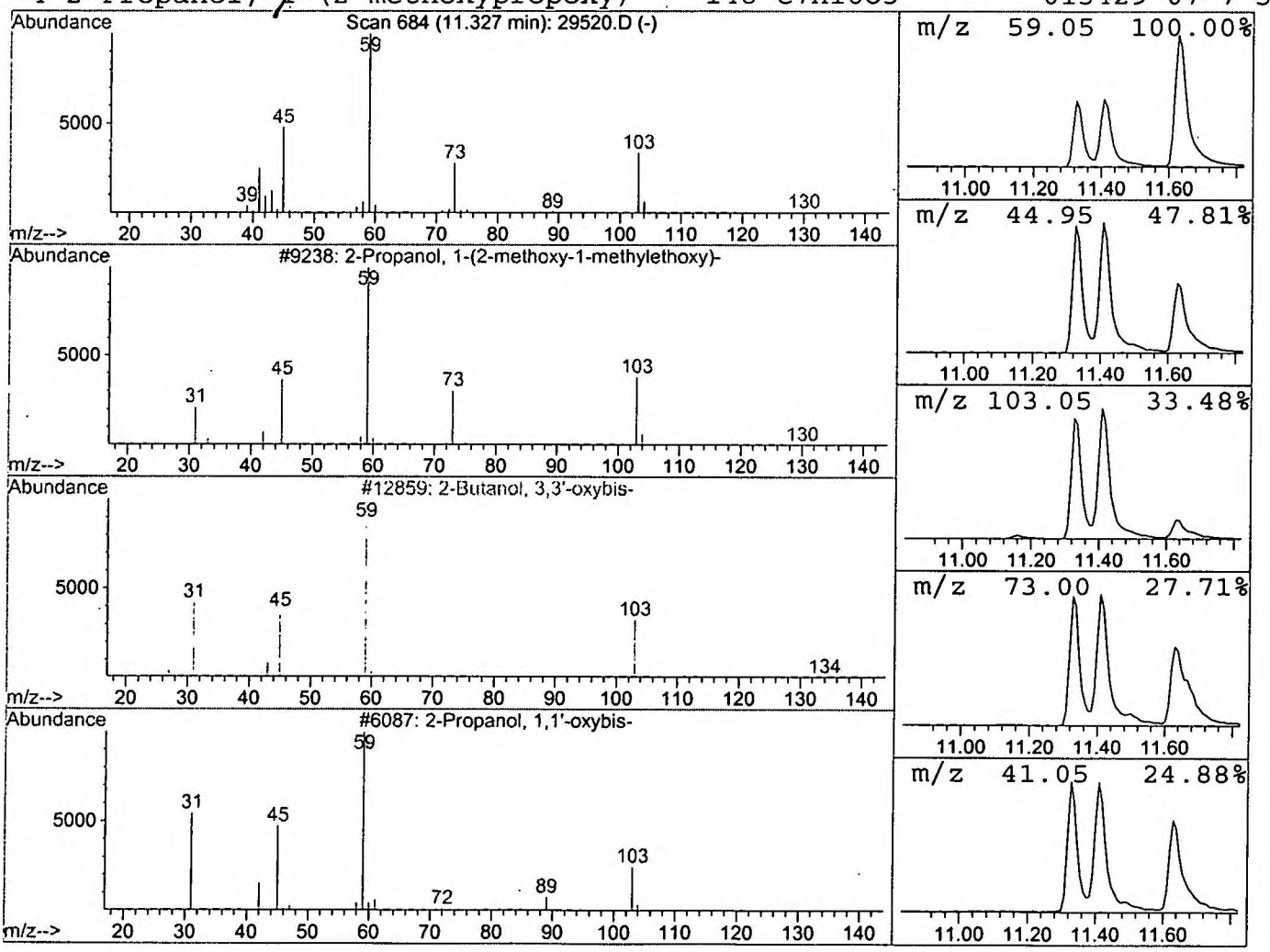
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 2-Propanol, 1-(2-methoxy-1-met Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.33	2.33 ug/l	901705	1,4-Dichlorobenzene-d4	11.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-(2-methoxy-1-methylet	148	C7H16O3	020324-32-7	78
2	2-Butanol, 3,3'-oxybis-	162	C8H18O3	054305-61-2	64
3	2-Propanol, 1,1'-oxybis-	134	C6H14O3	000110-98-5	56
4	2-Propanol, 1-(2-methoxypropoxy)-	148	C7H16O3	013429-07-7	50



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC1301\29520.D
Acq On : 13 Dec 2001 3:43 pm
Sample : gcms scan 12/6
Misc :
MS Integration Params: LSCINT.P

Vial: 7
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

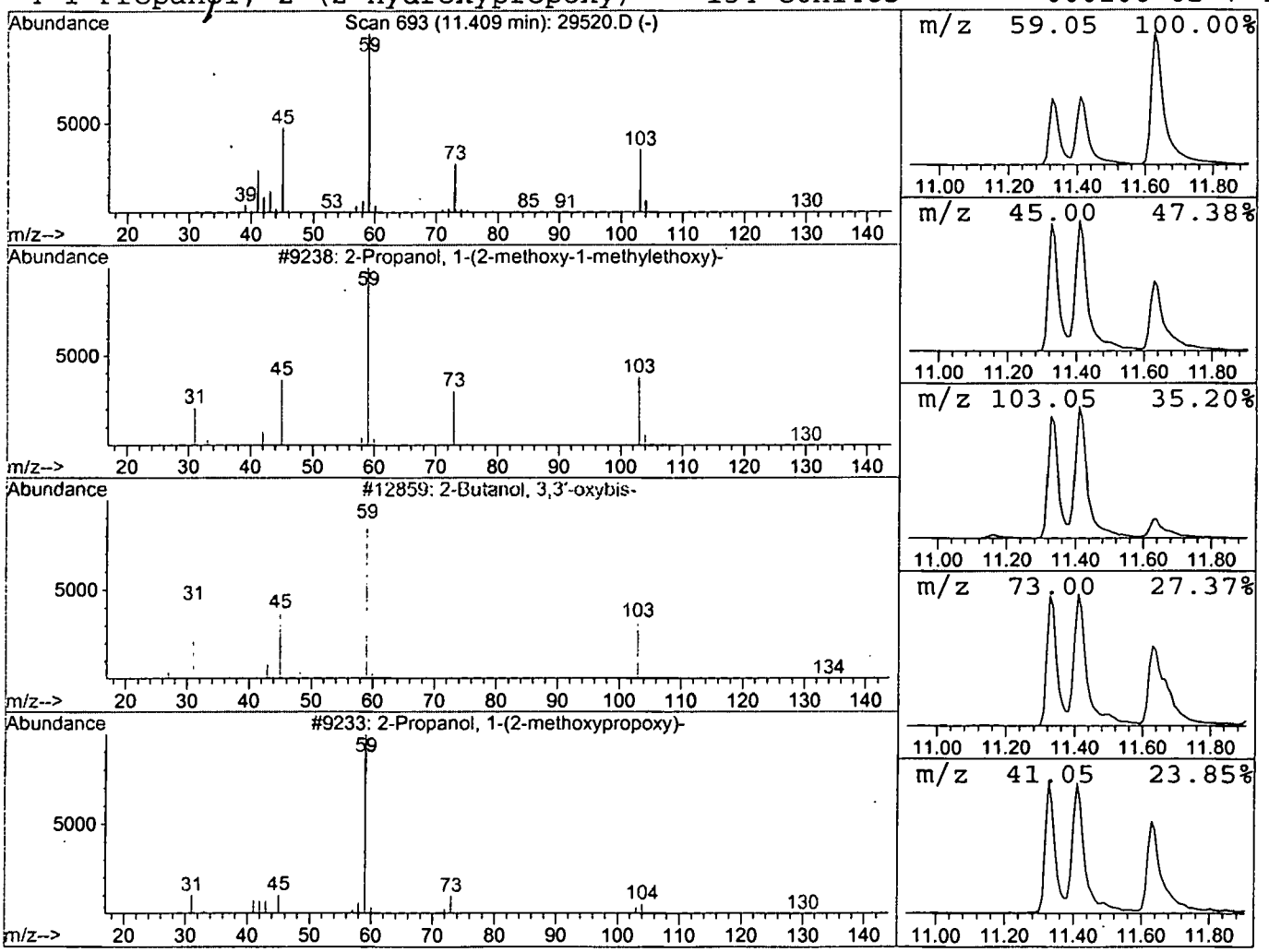
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 3 2-Propanol, 1-(2-methoxy-1-met Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.41	2.83 ug/l	1097660	1,4-Dichlorobenzene-d4	11.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-(2-methoxy-1-methylet	148	C7H16O3	020324-32-7	90
2	2-Butanol, 3,3'-oxybis-	162	C8H18O3	054305-61-2	64
3	2-Propanol, 1-(2-methoxypropoxy)-	148	C7H16O3	013429-07-7	50
4	1-Propanol, 2-(2-hydroxypropoxy)-	134	C6H14O3	000106-62-7	45



Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 13 Dec 2001 3:43 pm
Data File: C:\HPCHEM\1\DATA\DEC1301\29520.D
Name: gcms scan 12/6
Misc:
Method: C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title: 209 625/TCLP calibration table
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Silane, tetramethyl-	7.59	2.7	ug/l	1045400	ISTD01	11.68	7744840	20.0
2-Propanol, 1-(2-met	11.33	2.3	ug/l	901705	ISTD01	11.68	7744840	20.0
2-Propanol, 1-(2-met	11.41	2.8	ug/l	1097660	ISTD01	11.68	7744840	20.0

29520.D GCMS1126.M Fri Dec 21 13:14:13 2001