Comments for Sample AD28596 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 12-18-2001 Time: 16:11:08

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 0.36 ug/L.
The recovery for the Surrogate Standard in this sample was 71%. Recoveries for 16 of the 44 compounds in the LCS Standard were outside of their acceptance ranges. This sample was re-extracted on 12/3/01 and re-analyzed. Results were similar. The Surrogate Standard recovery was 89% and 1 of the 43 compounds in the LCS Standard was above its acceptance range.

User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 12/18/2001 Time: 16:06:46

Sample: AD28596
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 12/7/01 14:43 Ended: 12/7/01 14:43 Analyst: DLV
Result source: manual entry
Page: 1

1	Other unknown compounds				
2	Surr_2,4-DDD		89		5.0

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DEC1001\28596.D Vial: 21
Acq On : 11 Dec 2001 6:14 am Operator: 209 GALOS
Sample : gc/ms scan 12/3 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 14 15:30 2001 Quant Results File: GCMS1126.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed Nov 28 15:06:24 2001
Response via : Initial Calibration
DataAcq Meth : GCMS1126

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	11.67	152	822411	20.00	ug/l	-0.02
10) Naphthalene-d8	15.27	136	3167927	20.00	ug/l	-0.03
17) Acenaphthene-d10	20.55	164	1575362	20.00	ug/l	-0.02
29) Phenanthrene-d10	24.97	188	2228876	20.00	ug/l	-0.02
38) Chrysene-d12	33.00	240	1353391	20.00	ug/l	-0.03
44) Perylene-d12	37.10	264	907259	20.00	ug/l	-0.02
System Monitoring Compounds						
37) 2,4-DDD	30.05	235	118372	4.46	ug/mL	-0.02
Spiked Amount 5.000			Recovery = 89.20%			
Target Compounds						Qvalue
2) N-nitroso-dimethyl amine	5.43	74	4400	N.D.		
3) bis(2-Chloroethyl)ether	11.11	93	8373	N.D.		
4) 1,3-Dichlorobenzene	11.57	146	7993	N.D.		
5) 1,4-Dichlorobenzene	11.57	146	7993	N.D.		
6) 1,2-Dichlorobenzene	12.23	146	7874	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	13.07	117	2287	N.D.		
11) Nitrobenzene	13.40	77	3869	N.D.		
12) Isophorone	14.04	82	3757	N.D.		
13) bis(2-Chloroethoxy)methane	14.72	93	2978	N.D.		
14) 1,2,4-Trichlorobenzene	15.17	180	3162	N.D.		
15) Naphthalene	15.33	128	13854	N.D.		
16) Hexachlorobutadiene	15.88	225	1359	N.D.		
18) Hexachlorocyclopentadiene	0.00	237	0	N.D.		
19) 2-Chloronaphthalene	18.85	162	3451	N.D.		
20) Dimethylphthalate	19.95	163	2337	N.D.		
21) 2,6-Dinitrotoluene	0.00	165	0	N.D.	d	
22) Acenaphthylene	20.09	152	3699	N.D.		
23) Acenaphthene	20.64	153	3777	N.D.		
24) 2,4-Dinitrotoluene	21.42	165	204	N.D.		
25) Diethylphthalate	22.07	149	20725	N.D.		
26) 4-Chlorophenyl-phenylether	22.21	204	1551	N.D.		
27) Fluorene	22.18	166	3302	N.D.		
28) Azobenzen/ 1,2-Diphenylhyd	22.67	77	4148	N.D.		

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DEC1001\28596.D Vial: 21
Acq On : 11 Dec 2001 6:14 am Operator: 209 GALOS
Sample : gc/ms scan 12/3 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 14 15:30 2001 Quant Results File: GCMS1126.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed Nov 28 15:06:24 2001
Response via : Initial Calibration
DataAcq Meth : GCMS1126

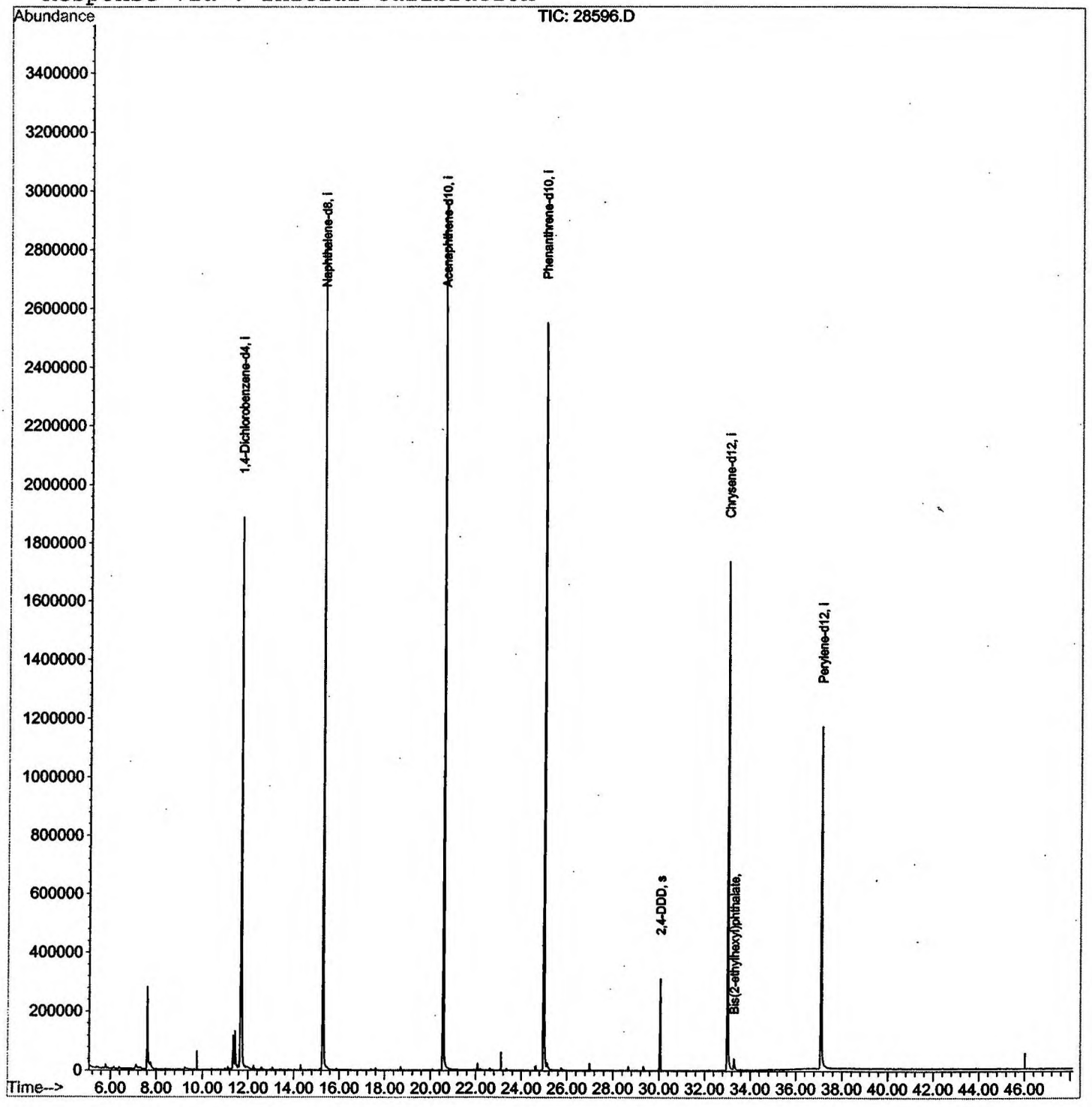
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
30)	N-Nitrosodiphenylamine	22.61	168	3571	N.D.	
31)	4-Bromophenyl-phenylether	23.66	248	782	N.D.	
32)	Hexachlorobenzene	24.09	284	768	N.D.	
33)	Phenanthrene	25.04	178	11929	N.D.	
34)	Anthracene	25.18	178	6924	N.D.	
35)	Di-n-butylphthalate	26.99	149	30030	N.D.	
36)	Fluoranthene	28.66	202	15901	N.D.	
39)	Pyrene	29.33	202	16185	N.D.	
40)	Butylbenzylphthalate	31.50	149	137	N.D.	
41)	Benzo(a)anthracene	33.00	228	5995	N.D.	
42)	Bis(2-ethylhexyl)phthalate	33.29	149	31812	0.39 ug/l	98
43)	Chrysene	33.07	228	3589	N.D.	
45)	Di-n-Octylphthalate	35.04	149	179	N.D.	
46)	Benzo(b)fluoranthene	36.10	252	1104	N.D.	
47)	Benzo(k)fluoranthene	36.10	252	790	N.D.	
48)	Benzo(a)pyrene	37.10	252	3797	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\DEC1001\28596.D Vial: 21
Acq On : 11 Dec 2001 6:14 am Operator: 209 GALOS
Sample : gc/ms scan 12/3 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 14 15:30 2001 Quant Results File: GCMS1126.RES

Method : M:\INSTRU~1\209\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Last Update : Fri Oct 12 09:04:47 2001
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\DEC1001\28596.D Vial: 21
Acq On : 11 Dec 2001 6:14 am Operator: 209 GALOS
Sample : gc/ms scan 12/3 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

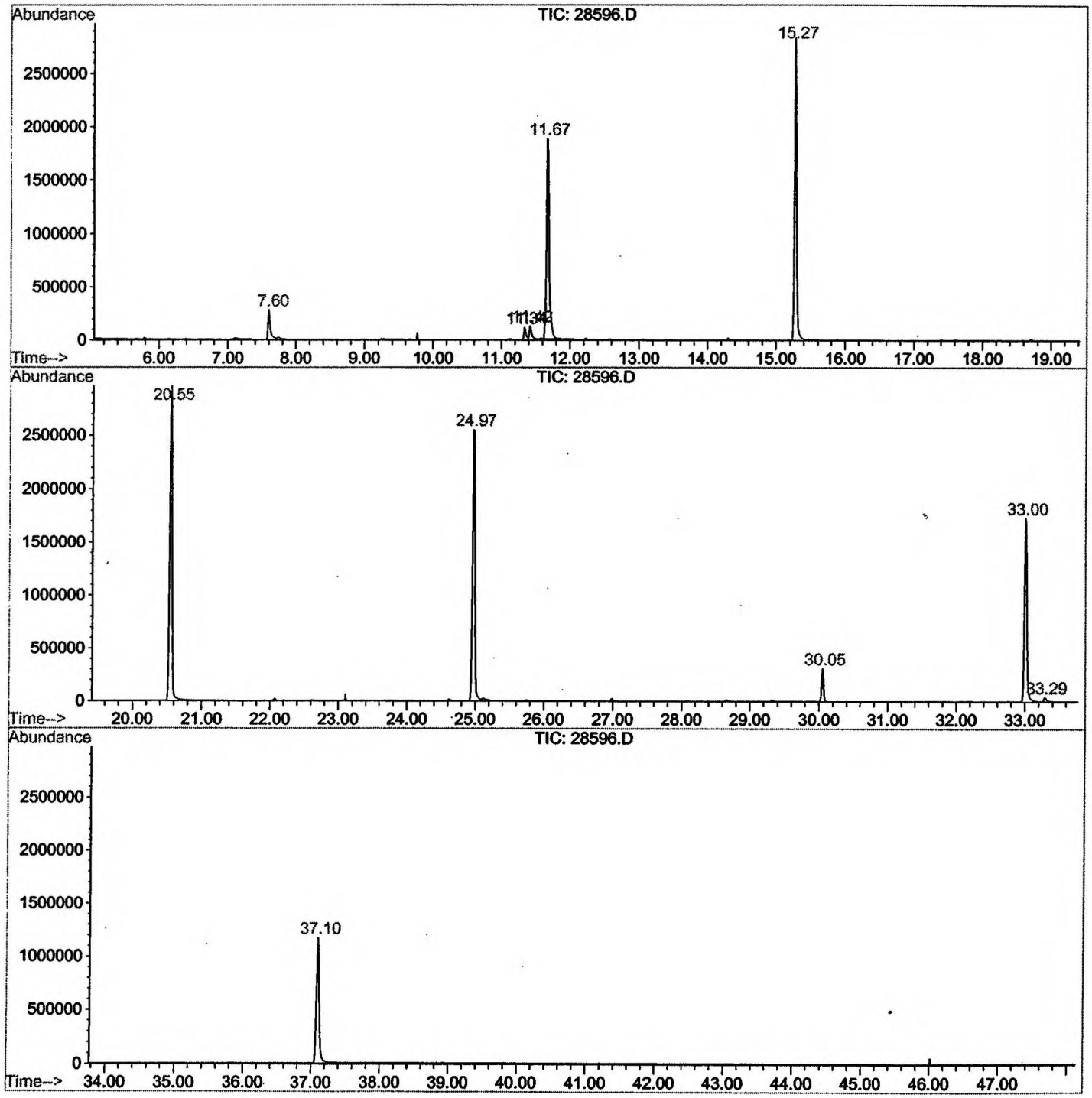
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	7.599	274	278	291	rBV	279120	681542	10.48%	2.064%
2	11.335	682	685	691	rBV	114540	257829	3.96%	0.781%
3	11.418	691	694	708	rVB	127475	319306	4.91%	0.967%
4	11.666	714	721	740	rBV2	1878290	4934044	75.84%	14.940%
5	15.273	1108	1114	1132	rBV	2834336	5996795	92.18%	18.157%
6	20.552	1683	1689	1714	rBV	2967911	6505554	100.00%	19.698%
7	24.968	2164	2170	2182	rBV2	2550566	5956480	91.56%	18.035%
8	30.054	2718	2724	2733	rBV	311404	643508	9.89%	1.948%
9	33.001	3036	3045	3063	rBV2	1736722	4288977	65.93%	12.986%
10	33.285	3072	3076	3092	rVB	38707	118235	1.82%	0.358%
11	37.095	3483	3491	3510	rBV2	1164676	3324352	51.10%	10.066%

Sum of corrected areas: 33026622

28596.D GCMS1126.M Fri Dec 14 16:46:42 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\DEC1001\28596.D
Operator : 209 GALOS
Acquired : 11 Dec 2001 6:14 am using AcqMethod GCMS1126
Instrument : GC/MS 209
Sample Name: gc/ms scan 12/3
Misc Info :
Vial Number: 21
Quant File :GCMS1126.RES (RTE Integrator)



28596.D GCMS1126.M Fri Dec 14 16:46:53 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC1001\28596.D
Acq On : 11 Dec 2001 6:14 am
Sample : gc/ms scan 12/3
Misc :
MS Integration Params: LSCINT.P

Vial: 21
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

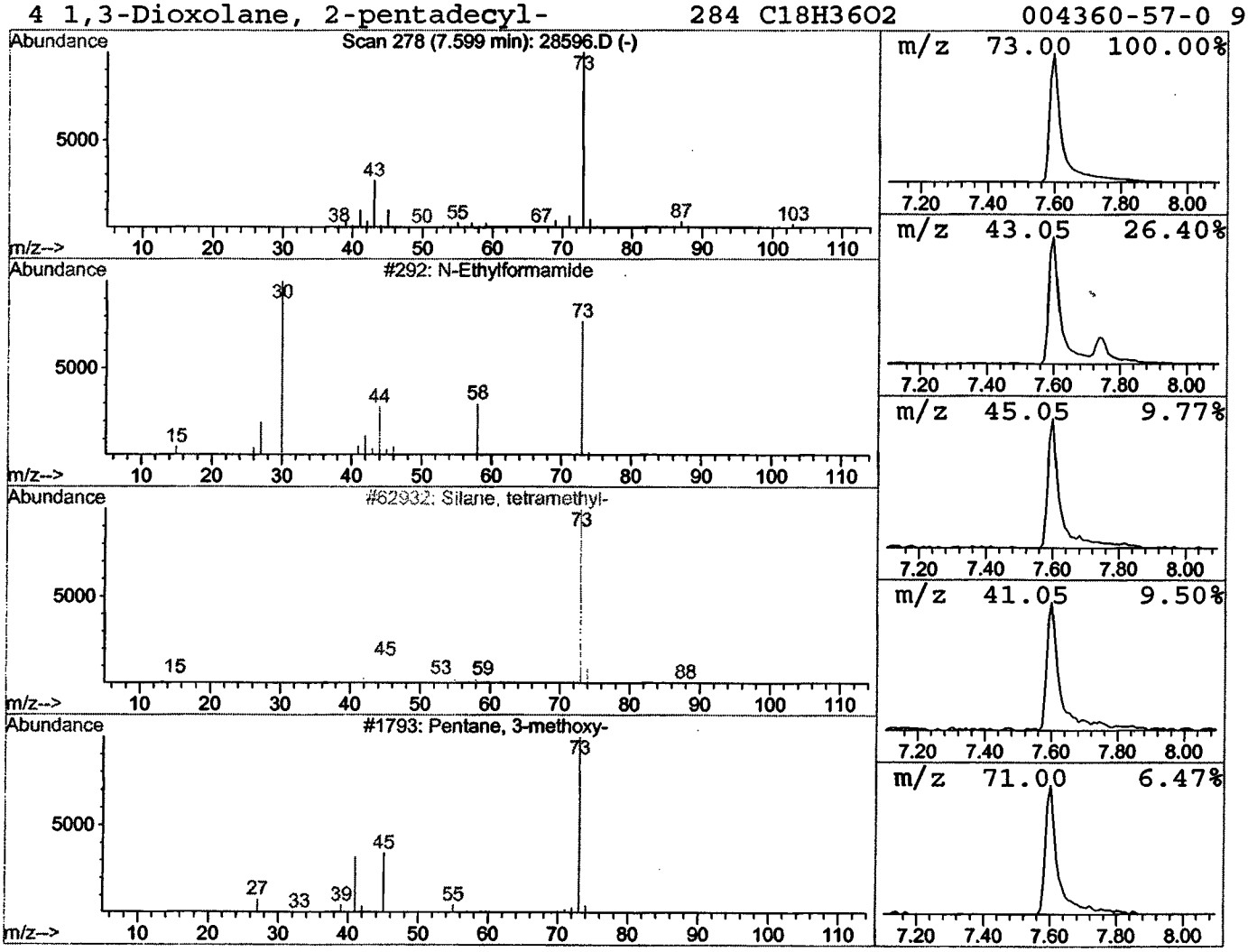
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 N-Ethylformamide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.60	2.76 ug/l	681542	1,4-Dichlorobenzene-d4	11.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N-Ethylformamide	73	C3H7NO	000627-45-2	9
2	Silane, tetramethyl-	88	C4H12Si	000075-76-3	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\DEC1001\28596.D Vial: 21
Acq On : 11 Dec 2001 6:14 am Operator: 209 GALOS
Sample : gc/ms scan 12/3 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

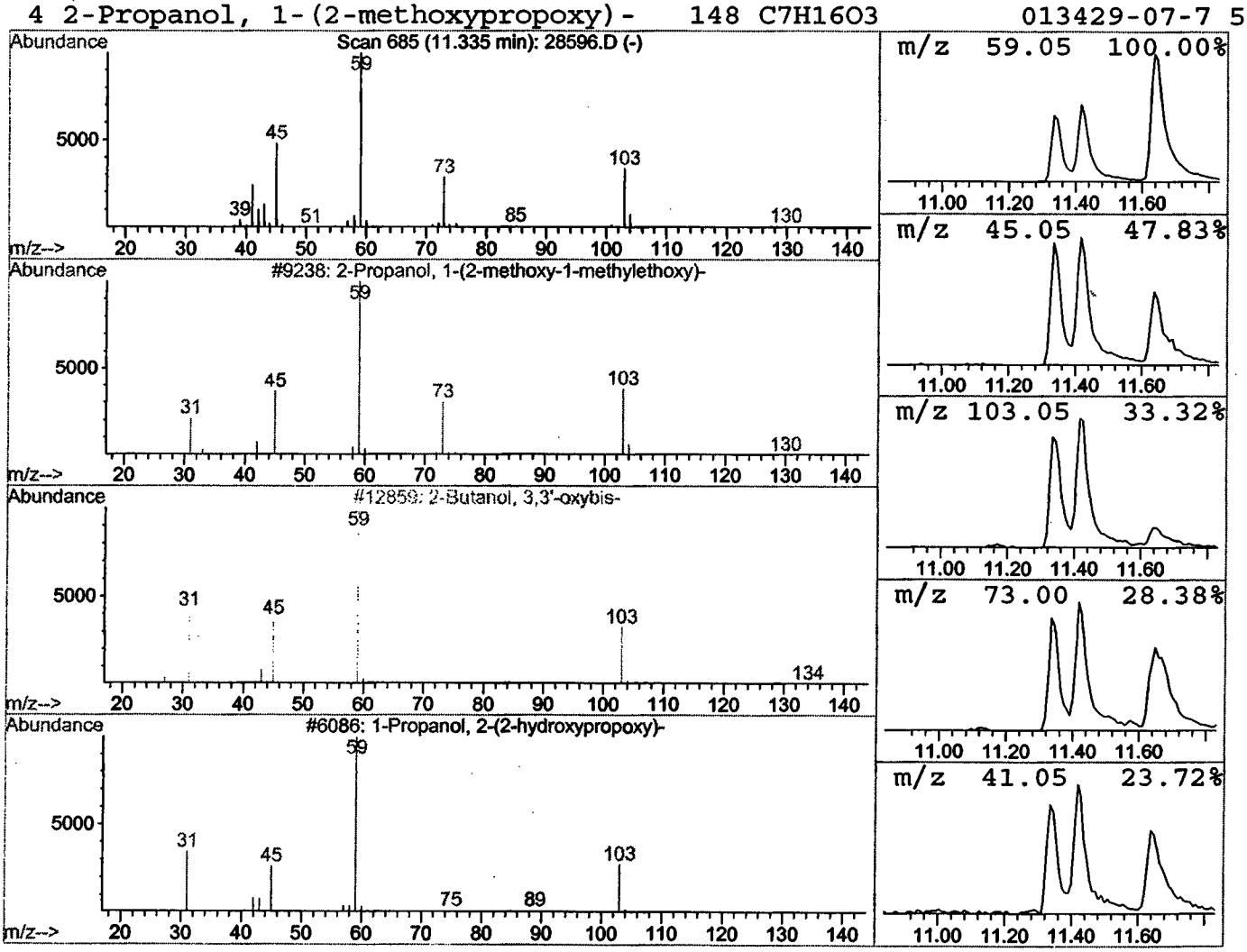
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.34	1.05 ug/l	257829	1,4-Dichlorobenzene-d4	11.67

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	1-Propanol, 2-(2-hydroxypropoxy)-	134	C6H14O3	000106-62-7	59
4	2-Propanol, 1-(2-methoxypropoxy)-	148	C7H16O3	013429-07-7	50



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC1001\28596.D Vial: 21
Acq On : 11 Dec 2001 6:14 am Operator: 209 GALOS
Sample : gc/ms scan 12/3 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

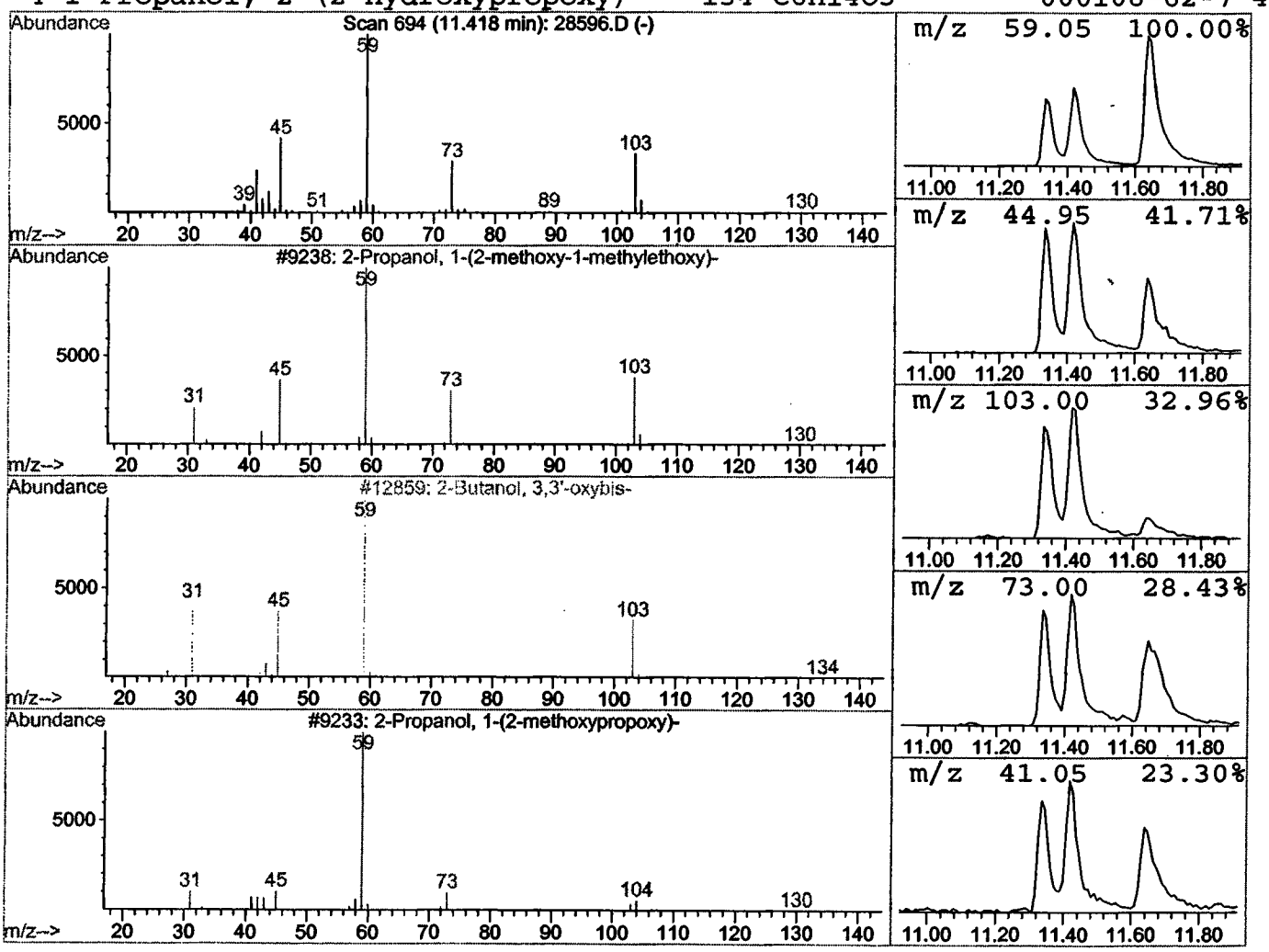
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.42	1.29 ug/l	319306	1,4-Dichlorobenzene-d4	11.67

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	50
3	2-Propanol, 1-(2-methoxypropoxy)-	148	C7H16O3	013429-07-7	47
4	1-Propanol, 2-(2-hydroxypropoxy)-	134	C6H14O3	000106-62-7	42



Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 11 Dec 2001 6:14 am
Data File: C:\HPCHEM\1\DATA\DEC1001\28596.D
Name: gc/ms scan 12/3
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
N-Ethylformamide	7.60	2.8	ug/l	681542	ISTD01	11.67	4934040	20.0
2-Propanol, 1-(2-met	11.34	1.0	ug/l	257829	ISTD01	11.67	4934040	20.0
2-Propanol, 1-(2-met	11.42	1.3	ug/l	319306	ISTD01	11.67	4934040	20.0

28596.D GCMS1126.M Fri Dec 14 16:47:14 2001