Comments for Sample AD28970 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 12-15-2001 Time: 09:22:50

A GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds, except for the presence of bis(2-Ethylhexyl)phthalate at an estimated level of 0.49 ug/L. It is also present in the Laboratory Blank at 0.41 ug/L. Recoveries for 5 of the 43 compounds in the LCS Standard were above their acceptance ranges. The recovery for the Surrogate Standard was above its acceptance range.

User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 12/15/2001 Time: 09:20:46

Sample: AD28970
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 12/15/01 09:20 Ended: 12/15/01 09:20 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Sum 2,4-D(S)		TARGET 11.24%		5.0

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DEC0701\28970.D Vial: 15
Acq On : 8 Dec 2001 4:35 am Operator: 209 GALOS
Sample : 11/29 gc/ms scan Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 12 14:51 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	935748	20.00	ug/l	-0.03
10) Naphthalene-d8	15.28	136	3587658	20.00	ug/l	-0.03
17) Acenaphthene-d10	20.56	164	1832595	20.00	ug/l	-0.02
29) Phenanthrene-d10	24.97	188	2657807	20.00	ug/l	-0.02
38) Chrysene-d12	33.01	240	1730301	20.00	ug/l	-0.02
44) Perylene-d12	37.10	264	1015876	20.00	ug/l	-0.02
System Monitoring Compounds						
37) 2,4-DDD	30.05	235	195417	6.18	ug/mL	-0.02
Spiked Amount 5.000			Recovery =	123.60%		
Target Compounds						Qvalue
2) N-nitroso-dimethyl amine	5.22	74	130	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	13.48	77	177	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	998	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	21.00	165	401	N.D.		
25) Diethylphthalate	22.07	149	1405	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)

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Acq On : 8 Dec 2001 4:35 am Operator: 209 GALOS
Sample : 11/29 gc/ms scan Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 12 14:51 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

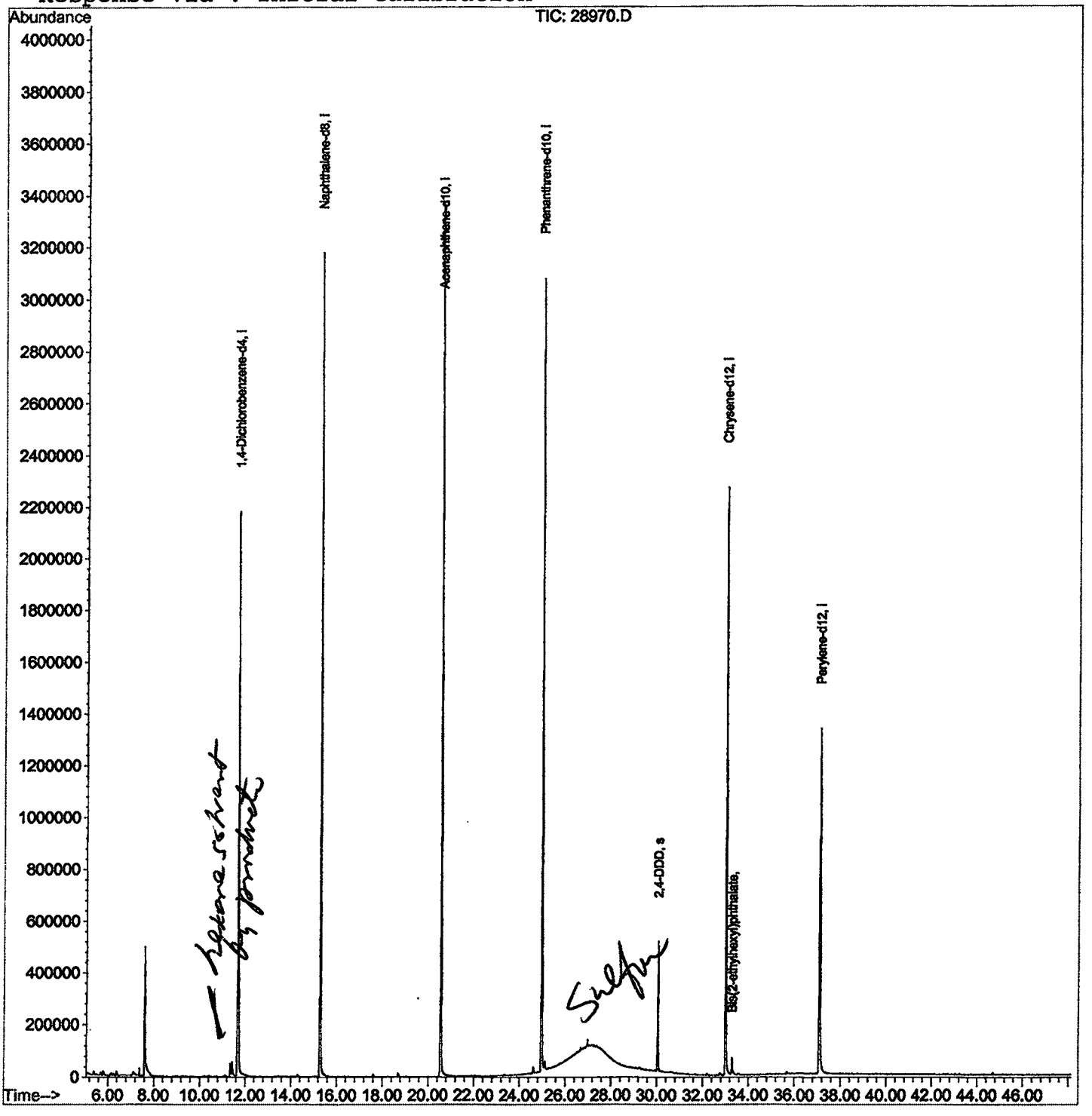
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
30)	N-Nitrosodiphenylamine	0.00	168	0	N.D.	
31)	4-Bromophenyl-phenylether	0.00	248	0	N.D.	
32)	Hexachlorobenzene	0.00	284	0	N.D.	
33)	Phenanthrene	25.05	178	243	N.D.	
34)	Anthracene	25.05	178	243	N.D.	
35)	Di-n-butylphthalate	26.99	149	26755	N.D.	
36)	Fluoranthene	0.00	202	0	N.D.	
39)	Pyrene	0.00	202	0	N.D.	
40)	Butylbenzylphthalate	31.50	149	1426	N.D.	
41)	Benzo(a)anthracene	33.01	228	4006	N.D.	
42)	Bis(2-ethylhexyl)phthalate	33.29	149	52044	0.49 ug/l	93
43)	Chrysene	33.01	228	4006	N.D.	
45)	Di-n-Octylphthalate	35.13	149	273	N.D.	
46)	Benzo(b)fluoranthene	0.00	252	0	N.D.	
47)	Benzo(k)fluoranthene	0.00	252	0	N.D.	
48)	Benzo(a)pyrene	37.10	252	4514	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\DEC0701\28970.D Vial: 15
Acq On : 8 Dec 2001 4:35 am Operator: 209 GALOS
Sample : 11/29 gc/ms scan Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 12 14:51 2001 Quant Results File: GCMS1126.RES

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



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\DEC0701\28970.D Vial: 15
Acq On : 8 Dec 2001 4:35 am Operator: 209 GALOS
Sample : 11/29 gc/ms scan 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

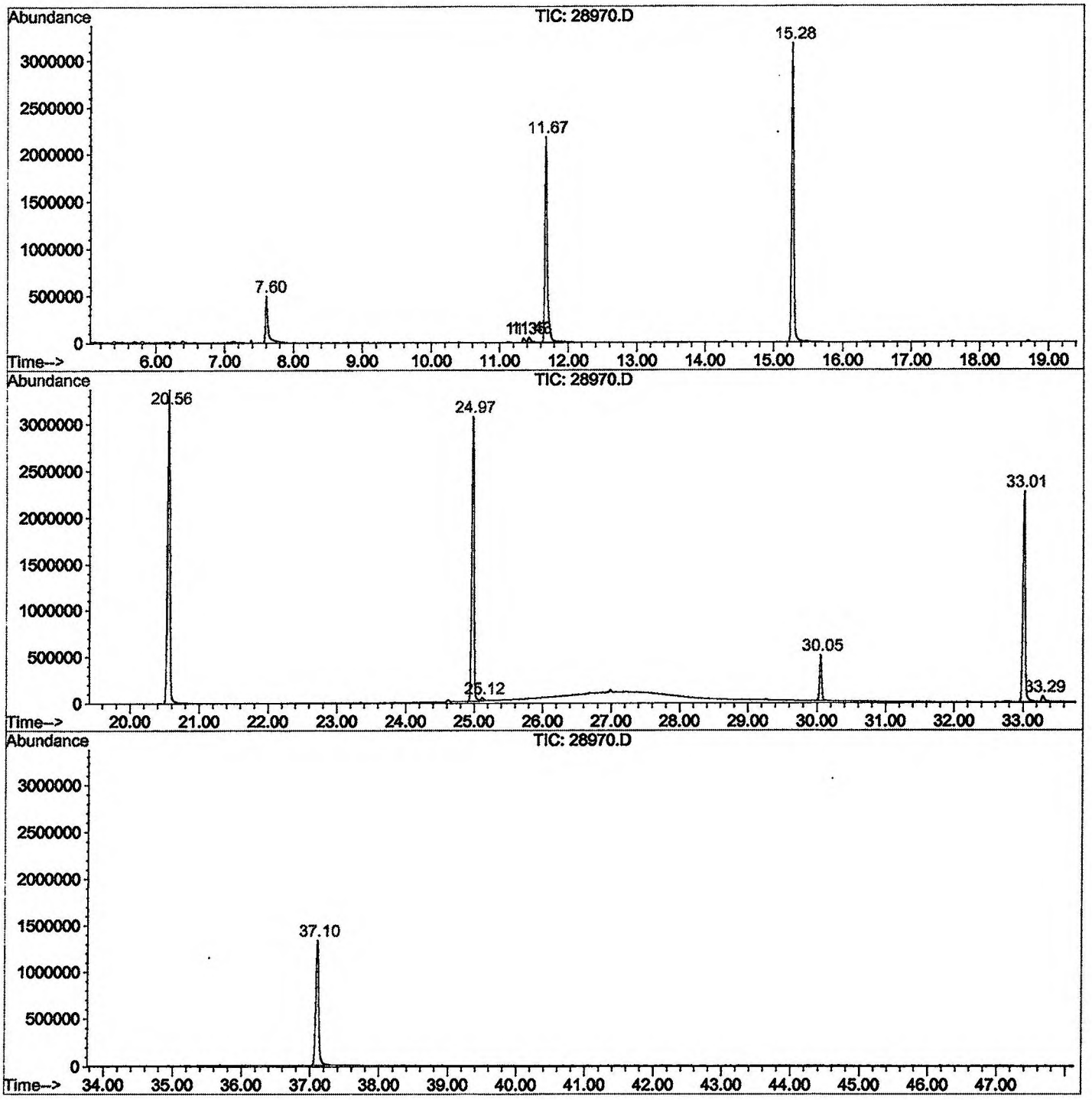
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	7.603	275	279	310	rBV	496460	1288659	17.34%	3.328%
2	11.349	683	687	692	rBV	50220	117627	1.58%	0.304%
3	11.431	692	696	709	rVB	52775	156645	2.11%	0.405%
4	11.670	716	722	740	rBV	2179355	5255603	70.72%	13.574%
5	15.278	1109	1115	1133	rBV	3177627	6752042	90.86%	17.438%
6	20.557	1683	1690	1704	rBV	3375982	7431219	100.00%	19.192%
7	24.972	2165	2171	2182	rBV2	3058513	7061550	95.03%	18.238%
8	25.119	2184	2187	2195	rVB	31182	80937	1.09%	0.209%
9	30.049	2719	2724	2732	rVB	495511	1048101	14.10%	2.707%
10	33.014	3040	3047	3066	rBV2	2266115	5429124	73.06%	14.022%
11	33.290	3072	3077	3093	rVB	64167	190266	2.56%	0.491%
12	37.100	3485	3492	3513	rBV2	1327686	3907640	52.58%	10.092%

Sum of corrected areas: 38719413

28970.D GCMS1126.M Thu Dec 13 10:29:28 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\DEC0701\28970.D
Operator : 209 GALOS
Acquired : 8 Dec 2001 4:35 am using AcqMethod GCMS1126
Instrument : GC/MS 209
Sample Name: 11/29 gc/ms scan
Misc Info :
Vial Number: 15
Quant File :GCMS1126.RES (RTE Integrator)



28970.D GCMS1126.M Thu Dec 13 10:29:34 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0701\28970.D
Acq On : 8 Dec 2001 4:35 am
Sample : 11/29 gc/ms scan
Misc :
MS Integration Params: LSCINT.P

Vial: 15
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

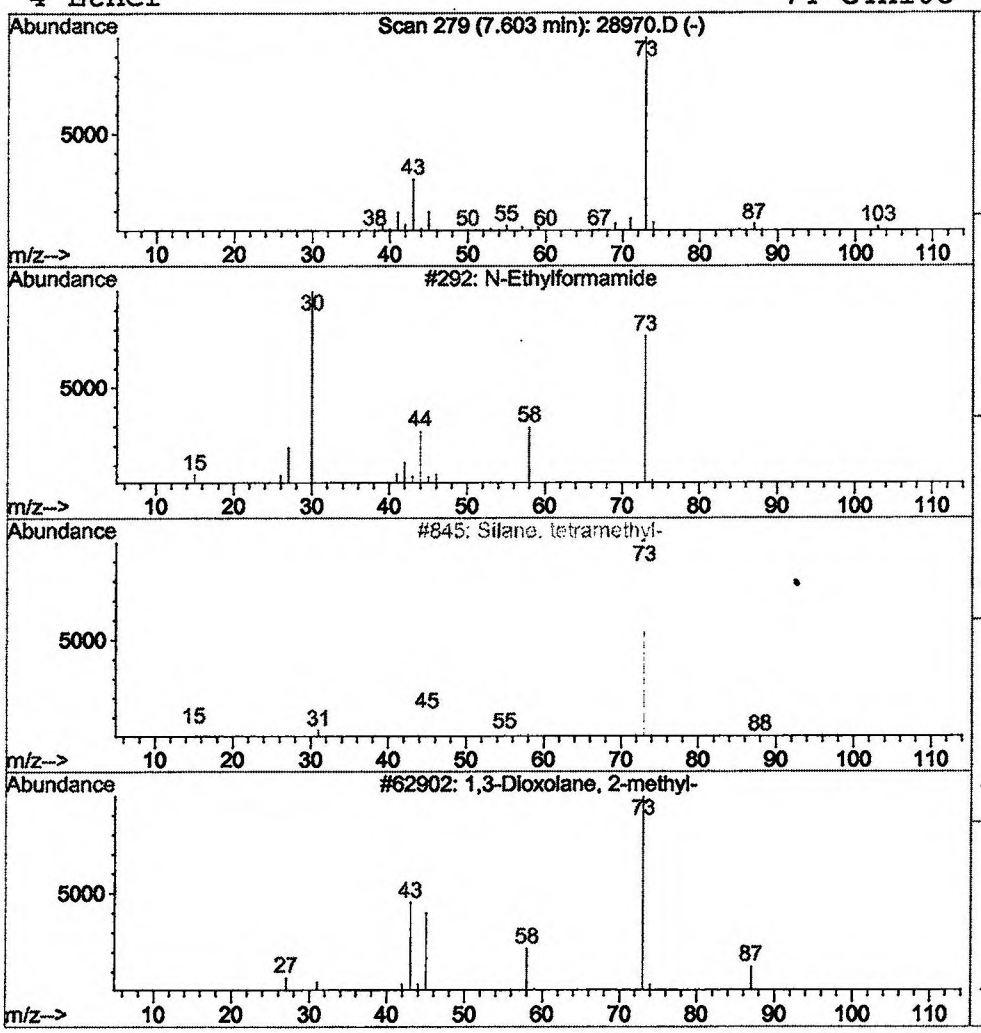
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

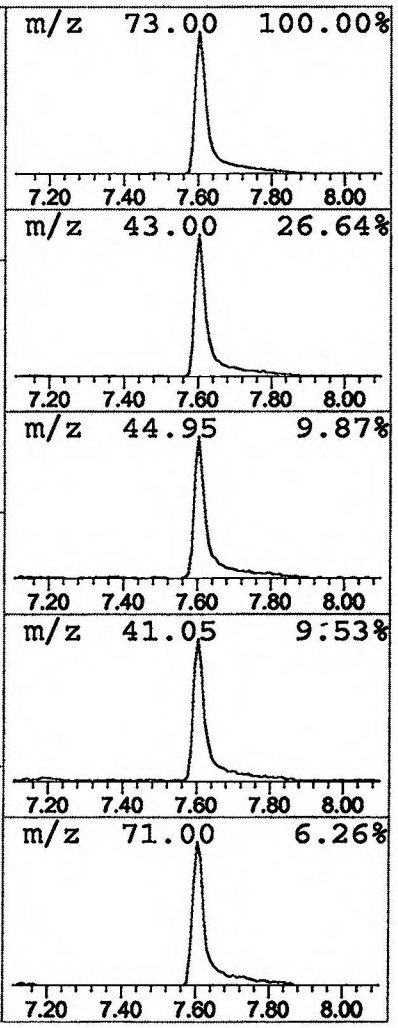
****

Peak Number 1 N-Ethylformamide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.60	4.90 ug/l	1288660	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	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	5
4	Ether	74	C4H10O	000060-29-7	4





Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0701\28970.D
Acq On : 8 Dec 2001 4:35 am
Sample : 11/29 gc/ms scan
Misc :
MS Integration Params: LSCINT.P

Vial: 15
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

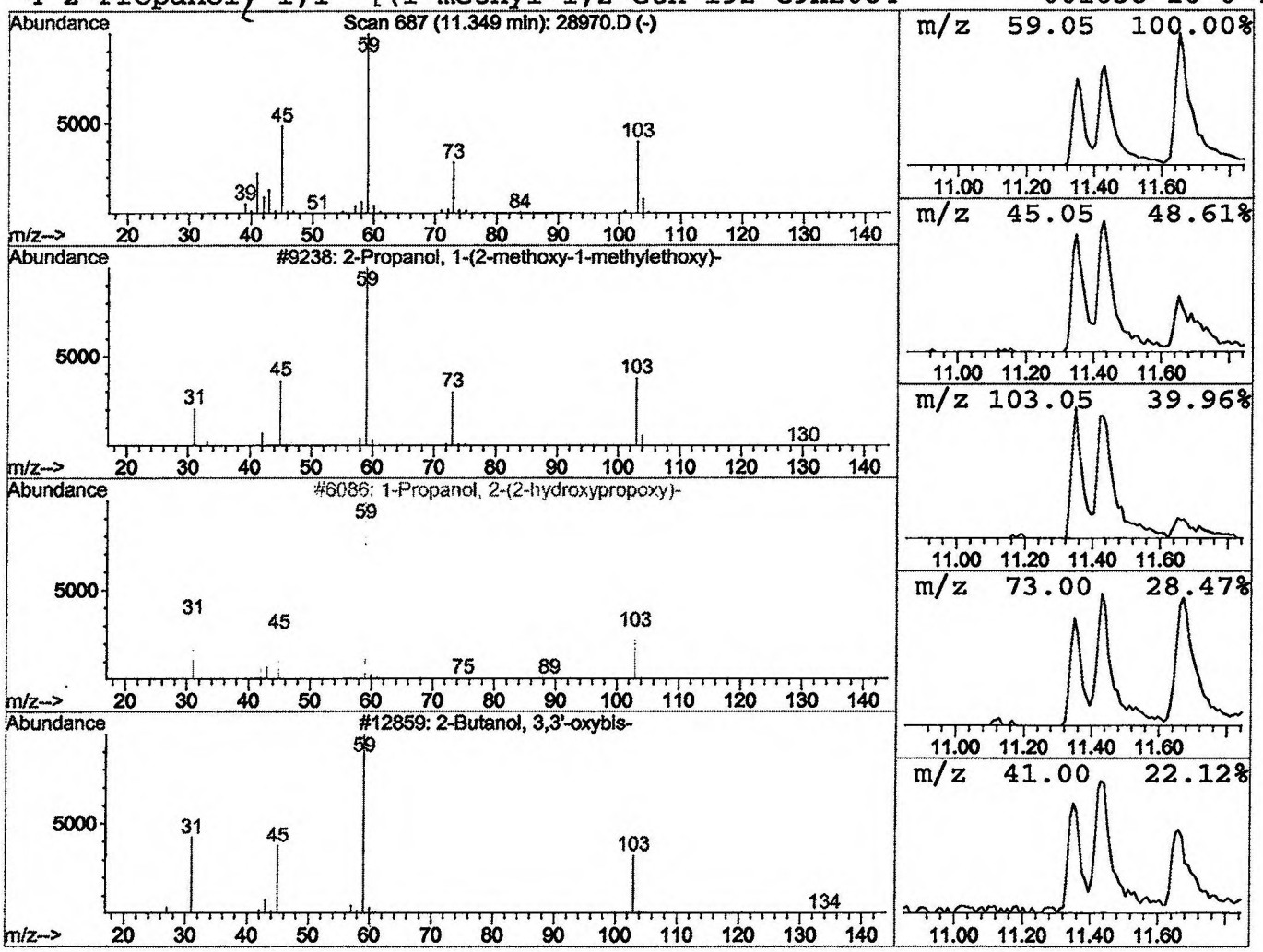
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.35	0.45 ug/l	117627	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	1-Propanol, 2-(2-hydroxypropoxy)-	134	C6H14O3	000106-62-7	59
3	2-Butanol, 3,3'-oxybis-	162	C8H18O3	054305-61-2	50
4	2-Propanol, 1,1'-[(1-methyl-1,2-eth	192	C9H20O4	001638-16-0	47



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0701\28970.D
Acq On : 8 Dec 2001 4:35 am
Sample : 11/29 gc/ms scan
Misc :
MS Integration Params: LSCINT.P

Vial: 15
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

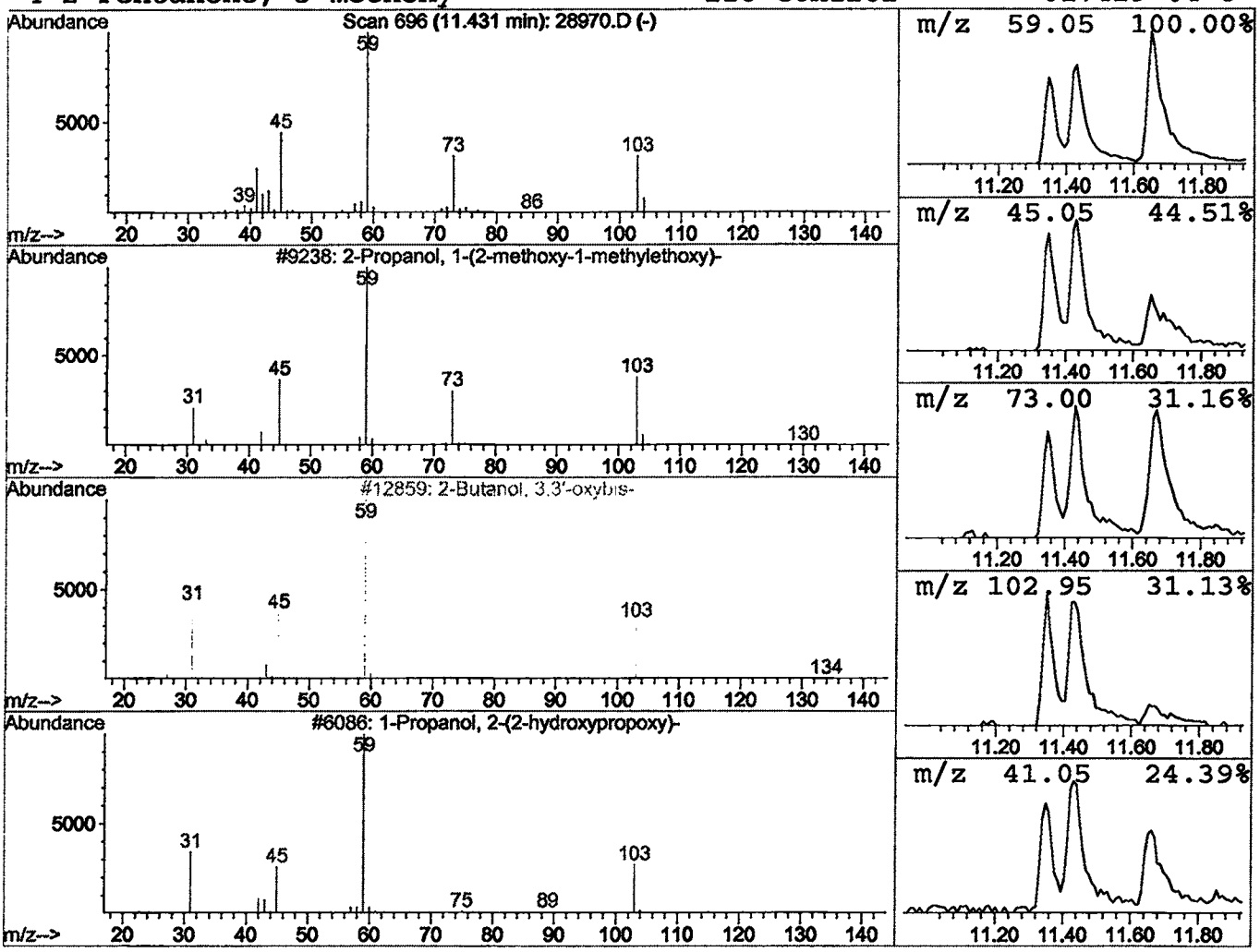
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.43	0.60 ug/l	156645	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	83
2	2-Butanol, 3,3'-oxybis-	162	C8H18O3	054305-61-2	50
3	1-Propanol, 2-(2-hydroxypropoxy)-	134	C6H14O3	000106-62-7	45
4	2-Pentanone, 5-methoxy-	116	C6H12O2	017429-04-8	42



Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 8 Dec 2001 4:35 am
Data File: C:\HPCHEM\1\DATA\DEC0701\28970.D
Name: 11/29 gc/ms scan
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	4.9	ug/l	1288660	ISTD01	11.67	5255600	20.0
2-Propanol, 1-(2-met	11.35	0.4	ug/l	117627	ISTD01	11.67	5255600	20.0
2-Propanol, 1-(2-met	11.43	0.6	ug/l	156645	ISTD01	11.67	5255600	20.0

28970.D GCMS1126.M Thu Dec 13 10:29:52 2001