Comments for Sample AD29189 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 12-18-2001 Time: 15:27:42

The GCMS scan, from 35 to 550 amu does not reveal the presence of any unusual compounds, except for di-n-butylphthalate at an estimated level of 1.2 ug/L. The recovery for 1 of the 43 compounds in the LCS Standard was above its acceptance range. The pH of this sample when received was less than 2.

User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 12/18/2001 Time: 15:28:25

Sample: AD29189
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 12/18/01 14:40 Ended: 12/18/01 14:40 Analyst: DLV
Result source: manual entry
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		106		5.0

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DEC1001\29189.D Vial: 20
Acq On : 11 Dec 2001 5:15 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 15:29 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	745429	20.00	ug/l	-0.03
10) Naphthalene-d8	15.28	136	2877024	20.00	ug/l	-0.03
17) Acenaphthene-d10	20.55	164	1434096	20.00	ug/l	-0.03
29) Phenanthrene-d10	24.97	188	2045957	20.00	ug/l	-0.02
38) Chrysene-d12	33.00	240	1288911	20.00	ug/l	-0.03
44) Perylene-d12	37.10	264	707554	20.00	ug/l	-0.02
System Monitoring Compounds						
37) 2,4-DDD	30.05	235	128777	5.29	ug/mL	-0.02
Spiked Amount 5.000			Recovery = 105.80%			
Target Compounds						Qvalue
2) N-nitroso-dimethyl amine	5.11	74	393	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	13.05	77	192	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	1244	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	20.90	165	535	N.D.		
25) Diethylphthalate	22.07	149	540	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\DEC1001\29189.D Vial: 20
Acq On : 11 Dec 2001 5:15 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 15:29 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

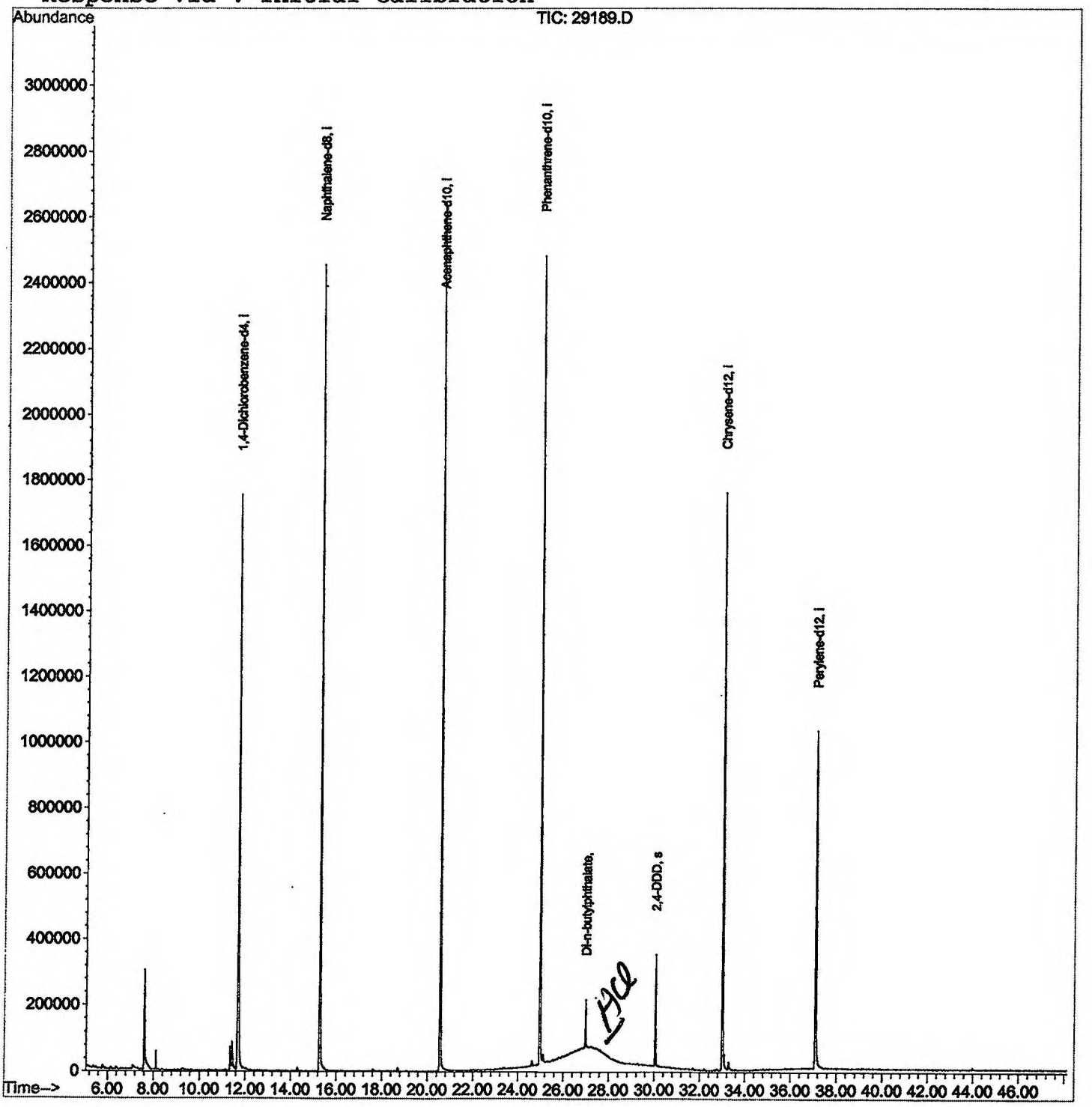
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
30)	N-Nitrosodiphenylamine	0.00	168	0	N.D.	
31)	4-Bromophenyl-phenylether	0.00	248	0	N.D.	
32)	Hexachlorobenzene	0.00	284	0	N.D.	
33)	Phenanthrene	25.03	178	184	N.D.	
34)	Anthracene	25.03	178	184	N.D.	
35)	Di-n-butylphthalate	26.99	149	176108	1.22 ug/l	99
36)	Fluoranthene	0.00	202	0	N.D.	
39)	Pyrene	0.00	202	0	N.D.	
40)	Butylbenzylphthalate	31.50	149	383	N.D.	
41)	Benzo(a)anthracene	33.00	228	3225	N.D.	
42)	Bis(2-ethylhexyl)phthalate	33.29	149	19101	N.D.	
43)	Chrysene	33.00	228	3225	N.D.	
45)	Di-n-Octylphthalate	0.00	149	0	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	3488	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\29189.D Vial: 20
Acq On : 11 Dec 2001 5:15 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 15:29 2001 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\DEC1001\29189.D Vial: 20
Acq On : 11 Dec 2001 5:15 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

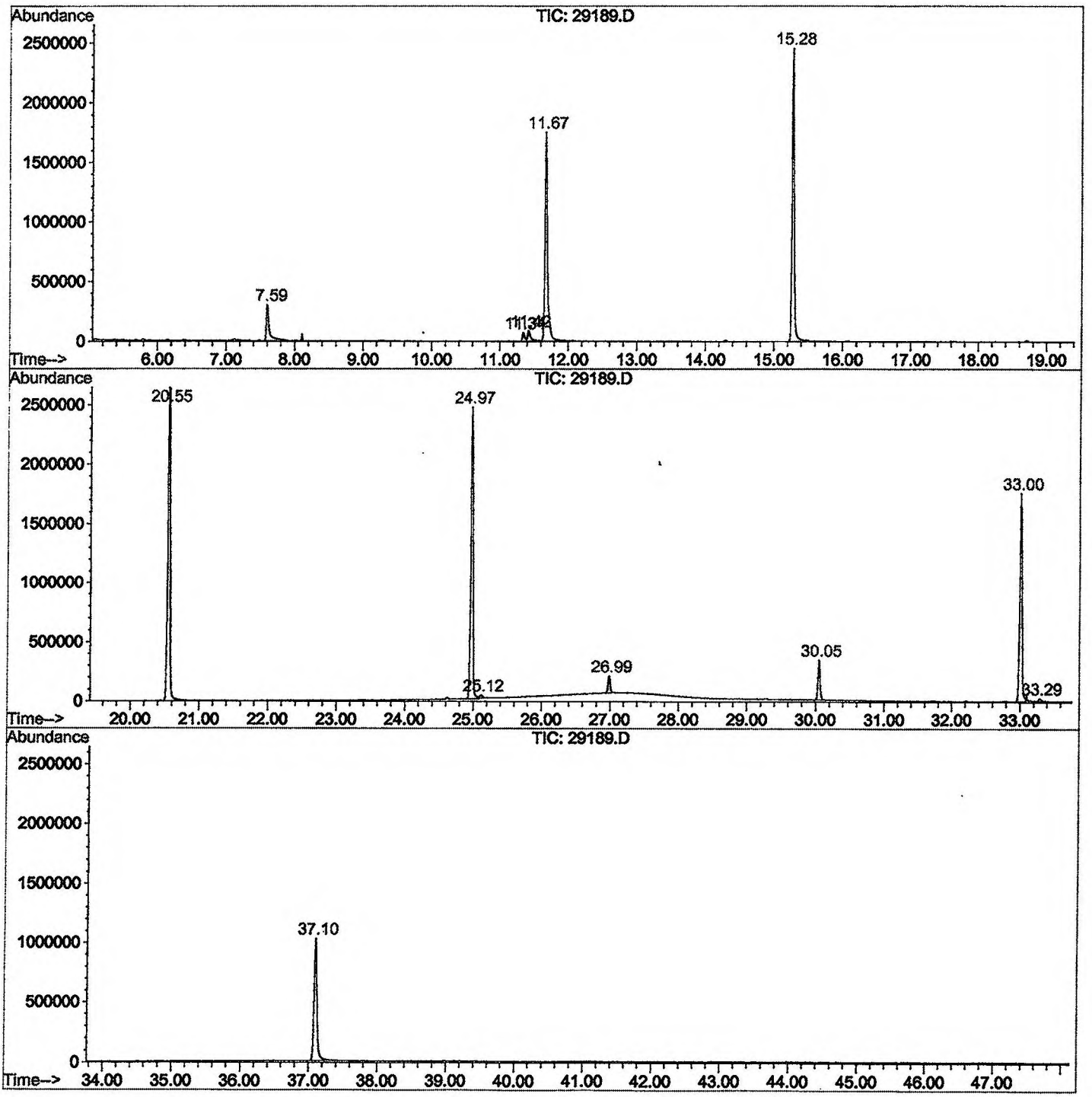
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	7.594	274	278	301	rBV	300765	852959	14.34%	2.788%
2	11.339	683	686	692	rBV	71815	172936	2.91%	0.565%
3	11.422	692	695	710	rVB	83859	233859	3.93%	0.765%
4	11.670	715	722	746	rBV	1750167	4368480	73.46%	14.281%
5	15.278	1109	1115	1133	rBV	2454356	5409780	90.97%	17.685%
6	20.547	1683	1689	1712	rBV	2646156	5947012	100.00%	19.442%
7	24.972	2165	2171	2183	rBV2	2461297	5452753	91.69%	17.826%
8	25.119	2183	2187	2195	rVB	23552	75627	1.27%	0.247%
9	26.992	2386	2391	2396	rBV	143221	293300	4.93%	0.959%
10	30.049	2719	2724	2731	rBV	337505	701356	11.79%	2.293%
11	33.005	3040	3046	3055	rBV2	1755264	4025198	67.68%	13.159%
12	33.289	3073	3077	3089	rVB	24689	75235	1.27%	0.246%
13	37.099	3484	3492	3507	rBV2	1022843	2980738	50.12%	9.744%

Sum of corrected areas: 30589233

29189.D GCMS1126.M Fri Dec 14 16:07:20 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\DEC1001\29189.D
Operator : 209 GALOS
Acquired : 11 Dec 2001 5:15 am using AcqMethod GCMS1126
Instrument : GC/MS 209
Sample Name: gc/ms scan 12/3
Misc Info :
Vial Number: 20
Quant File :GCMS1126.RES (RTE Integrator)



29189.D GCMS1126.M Fri Dec 14 16:07:26 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC1001\29189.D
Acq On : 11 Dec 2001 5:15 am
Sample : gc/ms scan 12/3
Misc :
MS Integration Params: LSCINT.P

Vial: 20
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

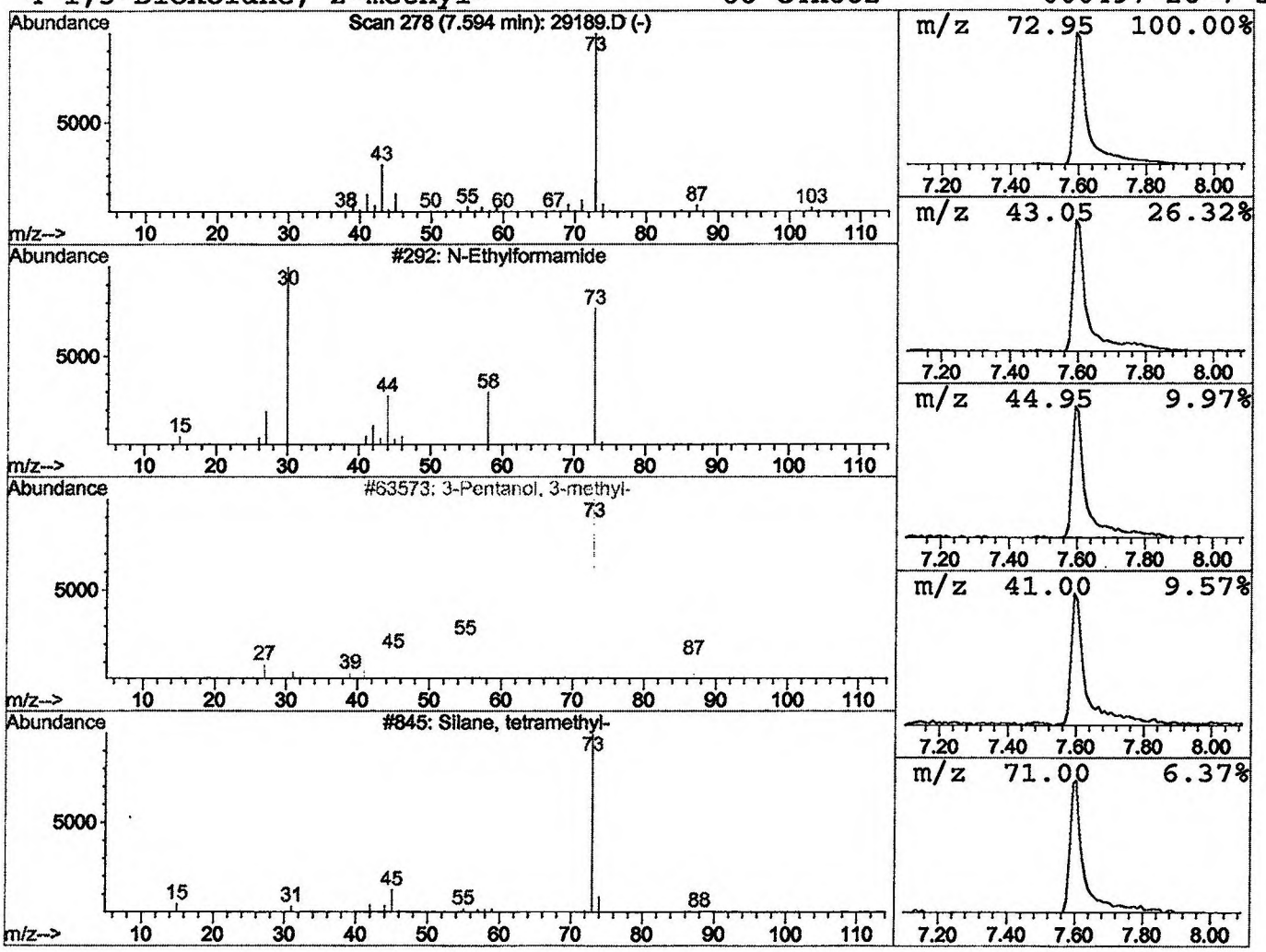
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 N-Ethylformamide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.59	3.91 ug/l	852959	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	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	9
3	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	5



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC1001\29189.D
Acq On : 11 Dec 2001 5:15 am
Sample : gc/ms scan 12/3
Misc :
MS Integration Params: LSCINT.P

Vial: 20
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

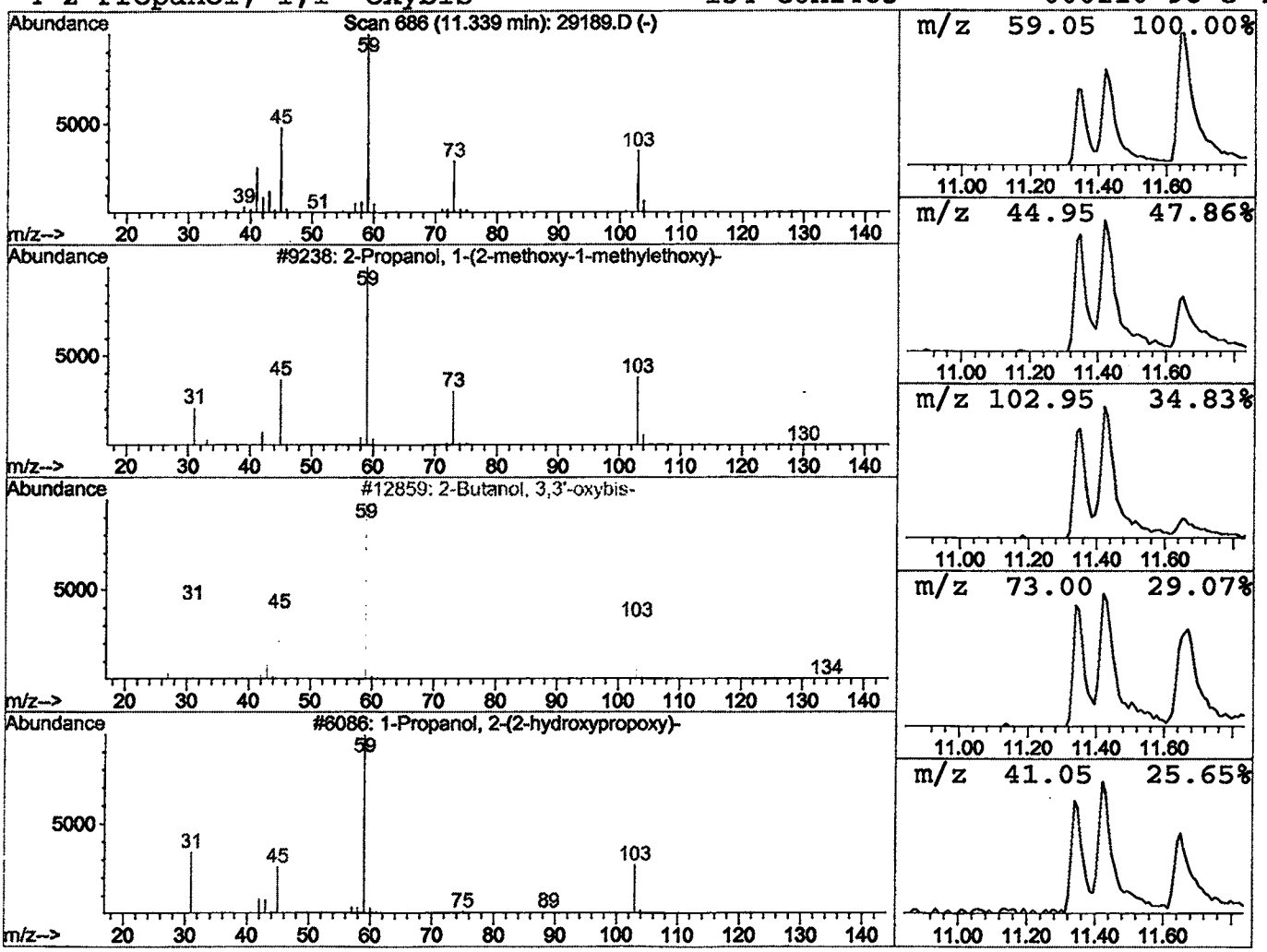
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.34	0.79 ug/l	172936	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	64
3	1-Propanol, 2-(2-hydroxypropoxy)-	134	C6H14O3	000106-62-7	42
4	2-Propanol, 1,1'-oxybis-	134	C6H14O3	000110-98-5	40



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC1001\29189.D
Acq On : 11 Dec 2001 5:15 am
Sample : gc/ms scan 12/3
Misc :
MS Integration Params: LSCINT.P

Vial: 20
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

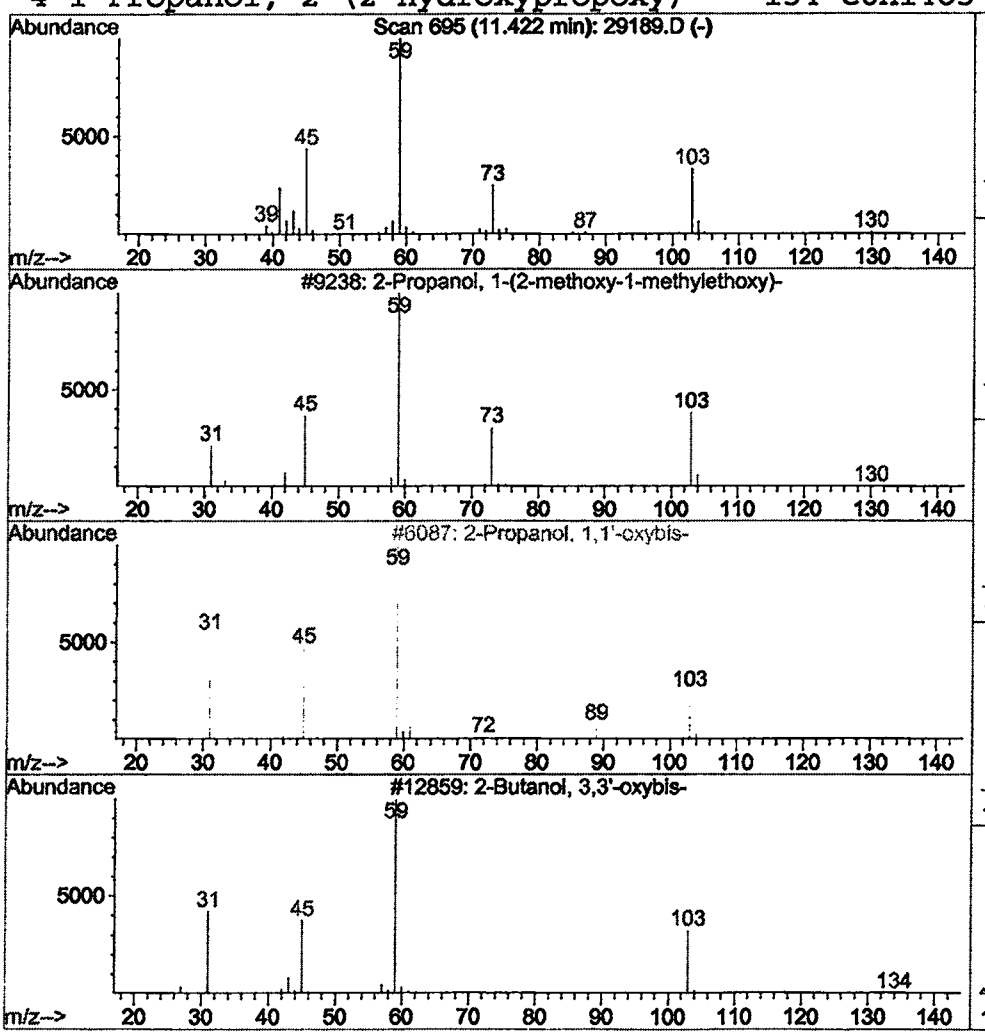
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

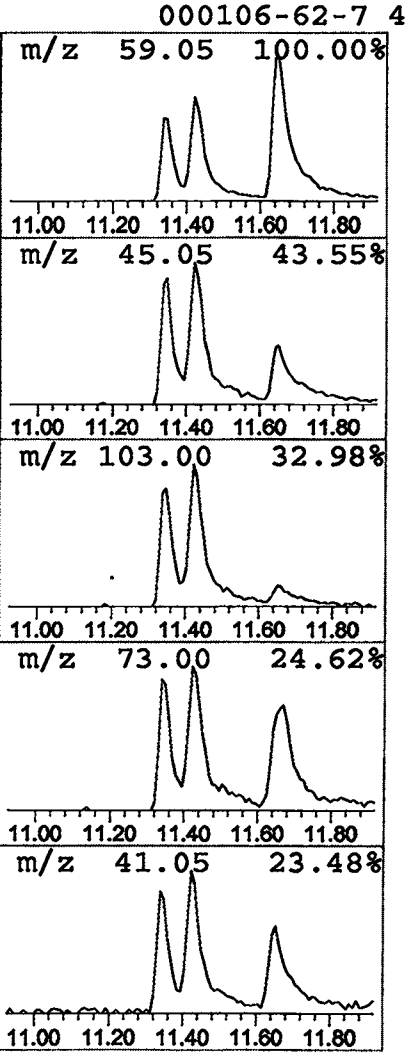
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.42	1.07 ug/l	233859	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-Propanol, 1,1'-oxybis-	134	C6H14O3	000110-98-5	56
3	2-Butanol, 3,3'-oxybis-	162	C8H18O3	054305-61-2	50
4	1-Propanol, 2-(2-hydroxypropoxy)-	134	C6H14O3	000106-62-7	45





Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 11 Dec 2001 5:15 am
Data File: C:\HPCHEM\1\DATA\DEC1001\29189.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	7.59	3.9	ug/l	852959	ISTD01	11.67	4368480	20.0
2-Propanol, 1-(2-met	11.34	0.8	ug/l	172936	ISTD01	11.67	4368480	20.0
2-Propanol, 1-(2-met	11.42	1.1	ug/l	233859	ISTD01	11.67	4368480	20.0

29189.D GCMS1126.M Fri Dec 14 16:07:45 2001