Comments for Sample AD29141 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 12-17-2001 Time: 12:32:05

The 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 0.45 ug/L. It is also present in the Laboratory Blank at 0.39 ug/L.
Recovery for 1 of the 43 compounds in the LCS Standard was above its acceptance range

User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 12/17/2001 Time: 12:30:19

Sample: AD29141
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 12/17/01 12:30 Ended: 12/17/01 12:30 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		121		5.0

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DEC1001\29141.D Vial: 8
Acq On : 10 Dec 2001 5:34 pm Operator: 209 GALOS
Sample : gc/ms scan 11/30 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 12 15:17 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	11.68	152	849300	20.00	ug/l	-0.02
10) Naphthalene-d8	15.27	136	3228181	20.00	ug/l	-0.03
17) Acenaphthene-d10	20.55	164	1660527	20.00	ug/l	-0.02
29) Phenanthrene-d10	24.97	188	2349823	20.00	ug/l	-0.02
38) Chrysene-d12	33.01	240	1452766	20.00	ug/l	-0.02
44) Perylene-d12	37.10	264	1012805	20.00	ug/l	-0.02
System Monitoring Compounds						
37) 2,4-DDD	30.06	235	168667	6.03	ug/mL	-0.01
Spiked Amount 5.000			Recovery = 120.60%			
Target Compounds						Qvalue
2) N-nitroso-dimethyl amine	5.20	74	941	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	13.00	77	277	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	1554	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	21.06	165	287	N.D.		
25) Diethylphthalate	22.07	149	1351	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

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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	528	N.D.	
34) Anthracene	25.03	178	528	N.D.	
35) Di-n-butylphthalate	26.99	149	36705	N.D.	
36) Fluoranthene	0.00	202	0	N.D.	
39) Pyrene	0.00	202	0	N.D.	
40) Butylbenzylphthalate	31.50	149	428	N.D.	
41) Benzo(a)anthracene	33.00	228	3847	N.D.	
42) Bis(2-ethylhexyl)phthalate	33.29	149	40218	0.45 ug/l #	99
43) Chrysene	33.00	228	3847	N.D.	
45) Di-n-Octylphthalate	35.06	149	730	N.D.	
46) Benzo(b)fluoranthene	0.00	252	0	N.D.	
47) Benzo(k)fluoranthene	36.11	252	215	N.D.	
48) Benzo(a)pyrene	37.10	252	4079	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

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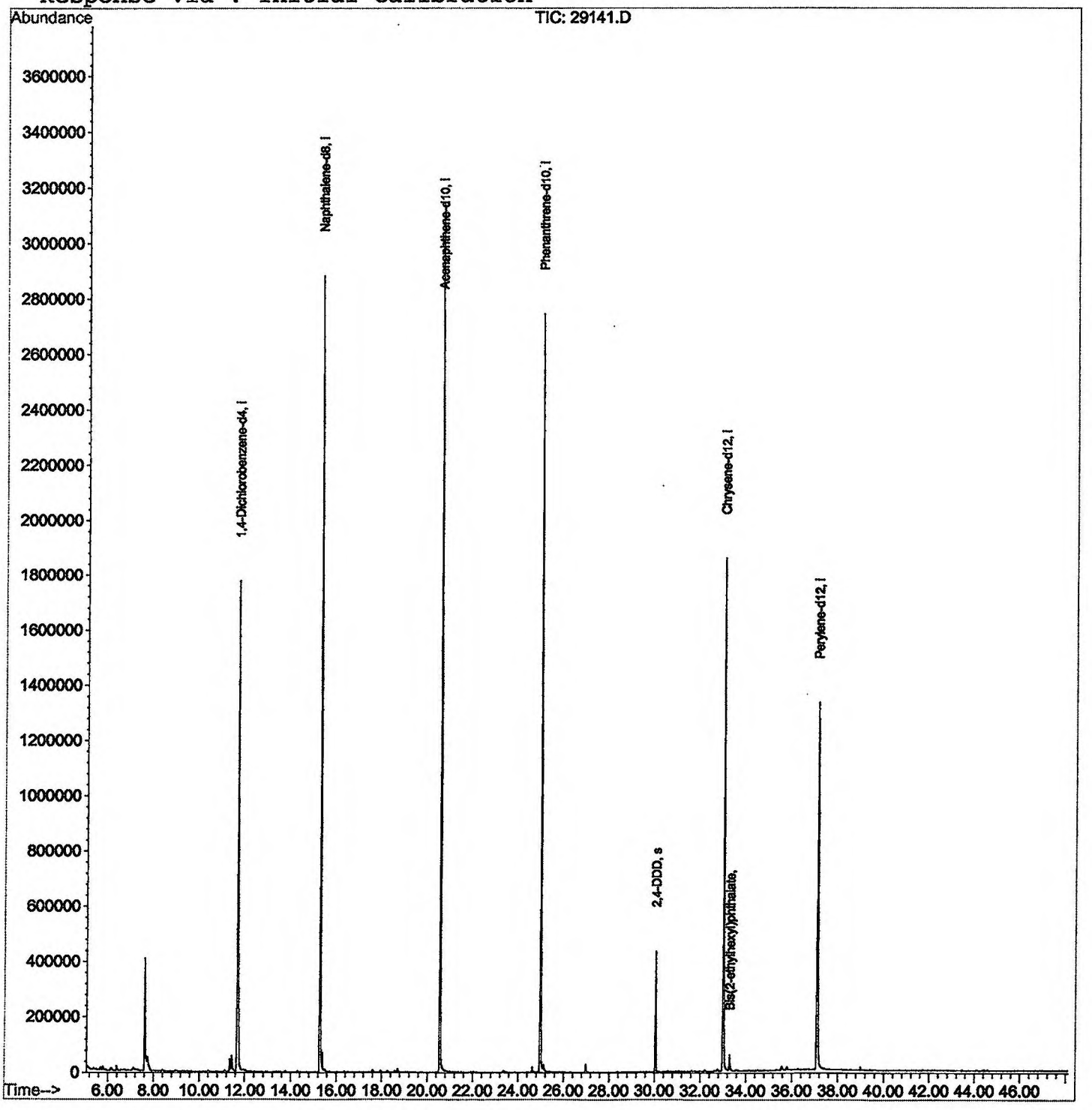
Sample : gc/ms scan 11/30 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 12 15:17 2001 Quant Results File: GCMS1126.RES

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



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\DEC1001\29141.D Vial: 8
Acq On : 10 Dec 2001 5:34 pm Operator: 209 GALOS
Sample : gc/ms scan 11/30 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

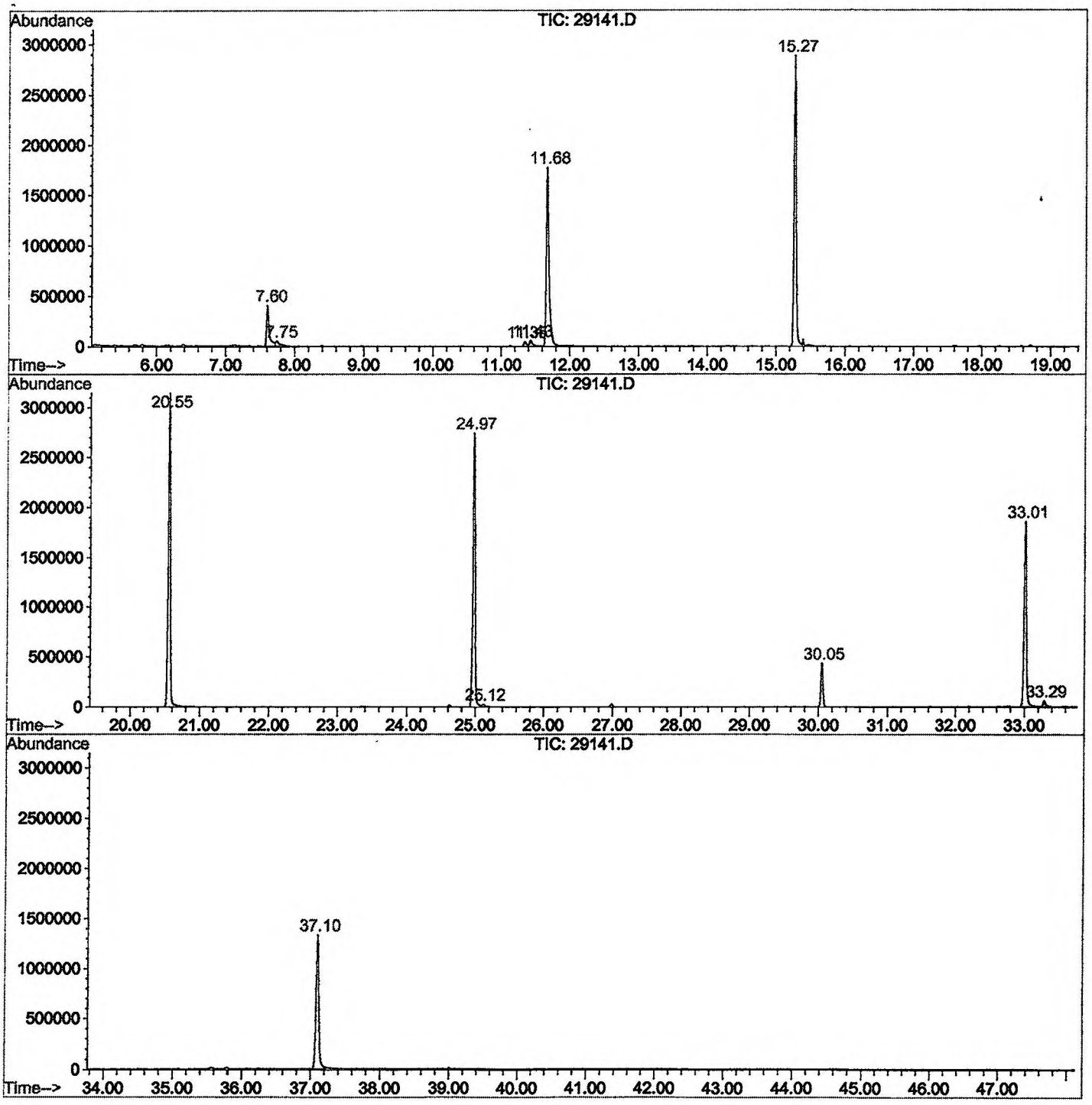
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	7.600	274	278	291	rBV	405894	1067867	15.79%	3.068%
2	7.747	291	294	311	rVB2	49236	191728	2.84%	0.551%
3	11.346	683	686	691	rBV	46532	111731	1.65%	0.321%
4	11.428	691	695	711	rVB	57682	177905	2.63%	0.511%
5	11.676	715	722	741	rBV	1774214	4818374	71.25%	13.842%
6	15.275	1108	1114	1126	rBV	2882075	6086397	90.00%	17.485%
7	20.554	1683	1689	1710	rBV	3147385	6762583	100.00%	19.427%
8	24.969	2164	2170	2183	rBV2	2744602	6229428	92.12%	17.896%
9	25.116	2183	2186	2195	rVB	23925	69774	1.03%	0.200%
10	30.046	2718	2723	2731	rBV	436824	928413	13.73%	2.667%
11	33.011	3039	3046	3061	rBV2	1854974	4549813	67.28%	13.071%
12	33.287	3071	3076	3085	rBV	56321	140237	2.07%	0.403%
13	37.097	3483	3491	3504	rBV2	1327336	3675144	54.35%	10.558%

Sum of corrected areas: 34809394

29141.D GCMS1126.M Wed Dec 12 16:08:09 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\DEC1001\29141.D
Operator : 209 GALOS
Acquired : 10 Dec 2001 5:34 pm using AcqMethod GCMS1126
Instrument : GC/MS 209
Sample Name: gc/ms scan 11/30
Misc Info :
Vial Number: 8
Quant File :GCMS1126.RES (RTE Integrator)



29141.D GCMS1126.M Wed Dec 12 16:08:15 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC1001\29141.D
Acq On : 10 Dec 2001 5:34 pm
Sample : gc/ms scan 11/30
Misc :
MS Integration Params: LSCINT.P

Vial: 8
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

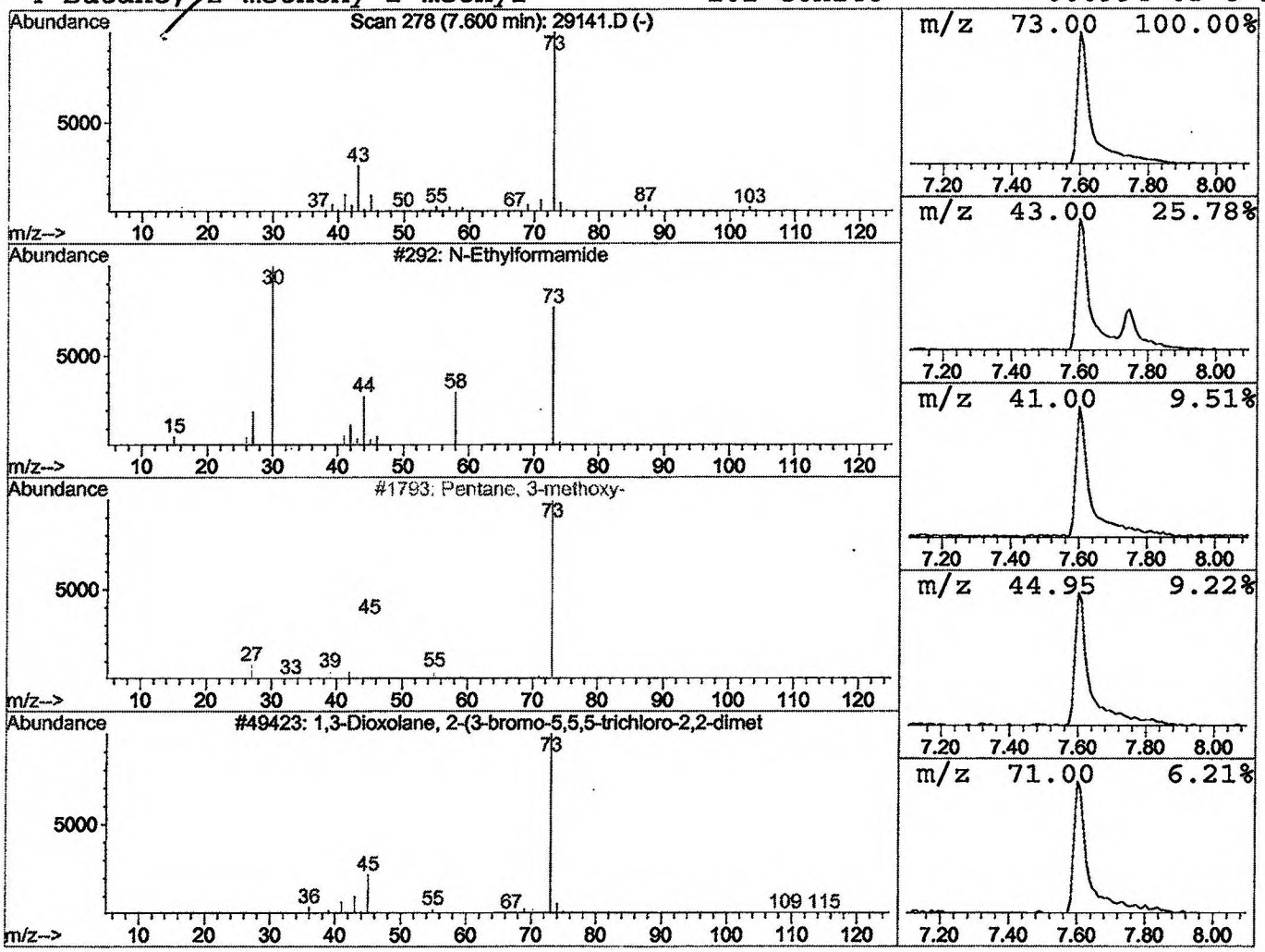
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 N-Ethylformamide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.60	4.43 ug/l	1067870	1,4-Dichlorobenzene-d4	11.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N-Ethylformamide	73	C3H7NO	000627-45-2	9
2	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	9
3	1,3-Dioxolane, 2-(3-bromo-5,5,5-tri	352	C10H16BrCl3O2	000000-00-0	9
4	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	9



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC1001\29141.D Vial: 8
Acq On : 10 Dec 2001 5:34 pm Operator: 209 GALOS
Sample : gc/ms scan 11/30 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

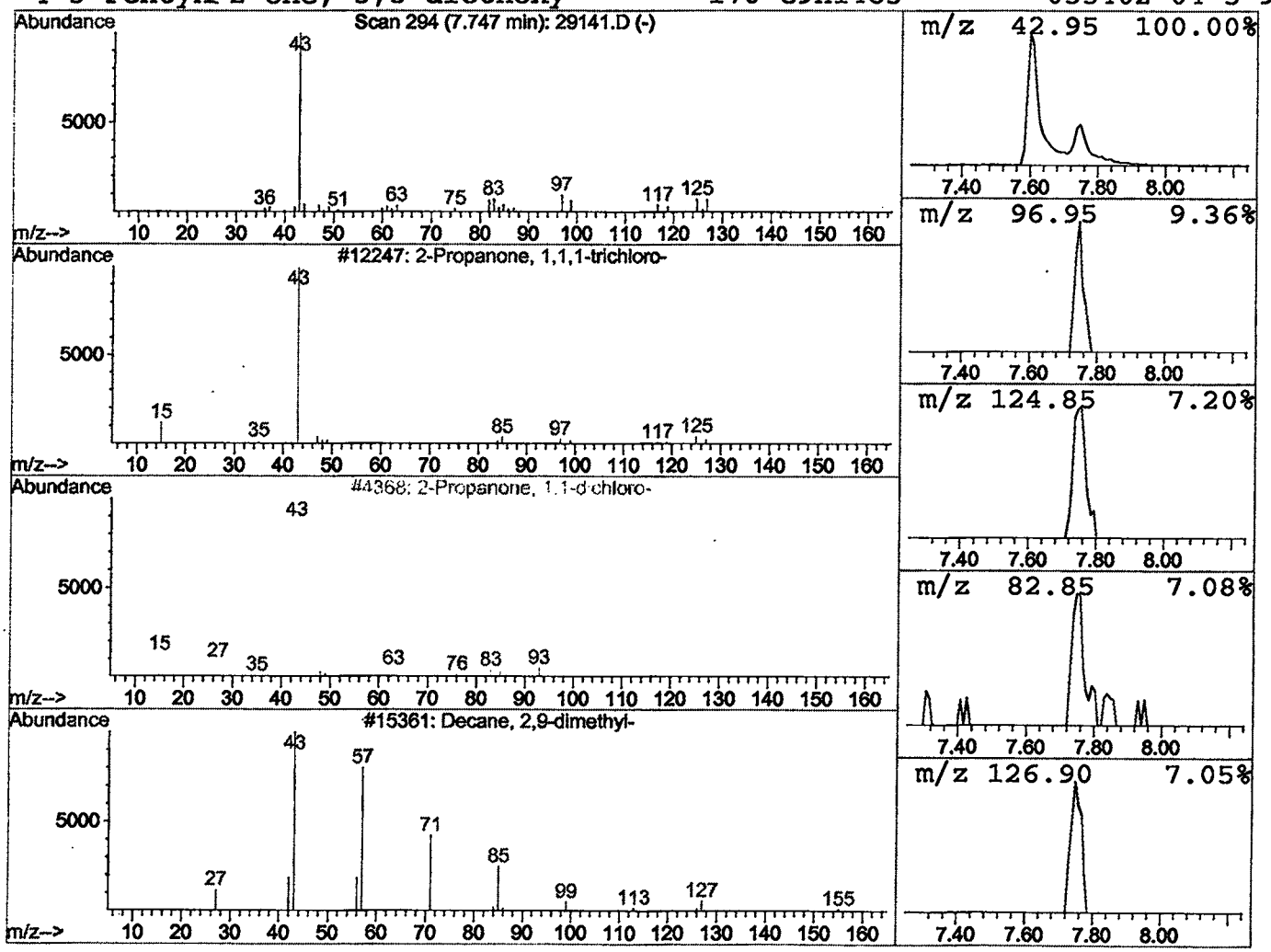
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 2-Propanone, 1,1,1-trichloro- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.75	0.80 ug/l	191728	1,4-Dichlorobenzene-d4	11.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanone, 1,1,1-trichloro-	160	C3H3Cl3O	000918-00-3	36
2	2-Propanone, 1,1-dichloro-	126	C3H4Cl2O	000513-88-2	23
3	Decane, 2,9-dimethyl-	170	C12H26	001002-17-1	9
4	3-Pentyn-2-one, 5,5-diethoxy-	170	C9H14O3	055402-04-5	9



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC1001\29141.D
Acq On : 10 Dec 2001 5:34 pm
Sample : gc/ms scan 11/30
Misc :
MS Integration Params: LSCINT.P

Vial: 8
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

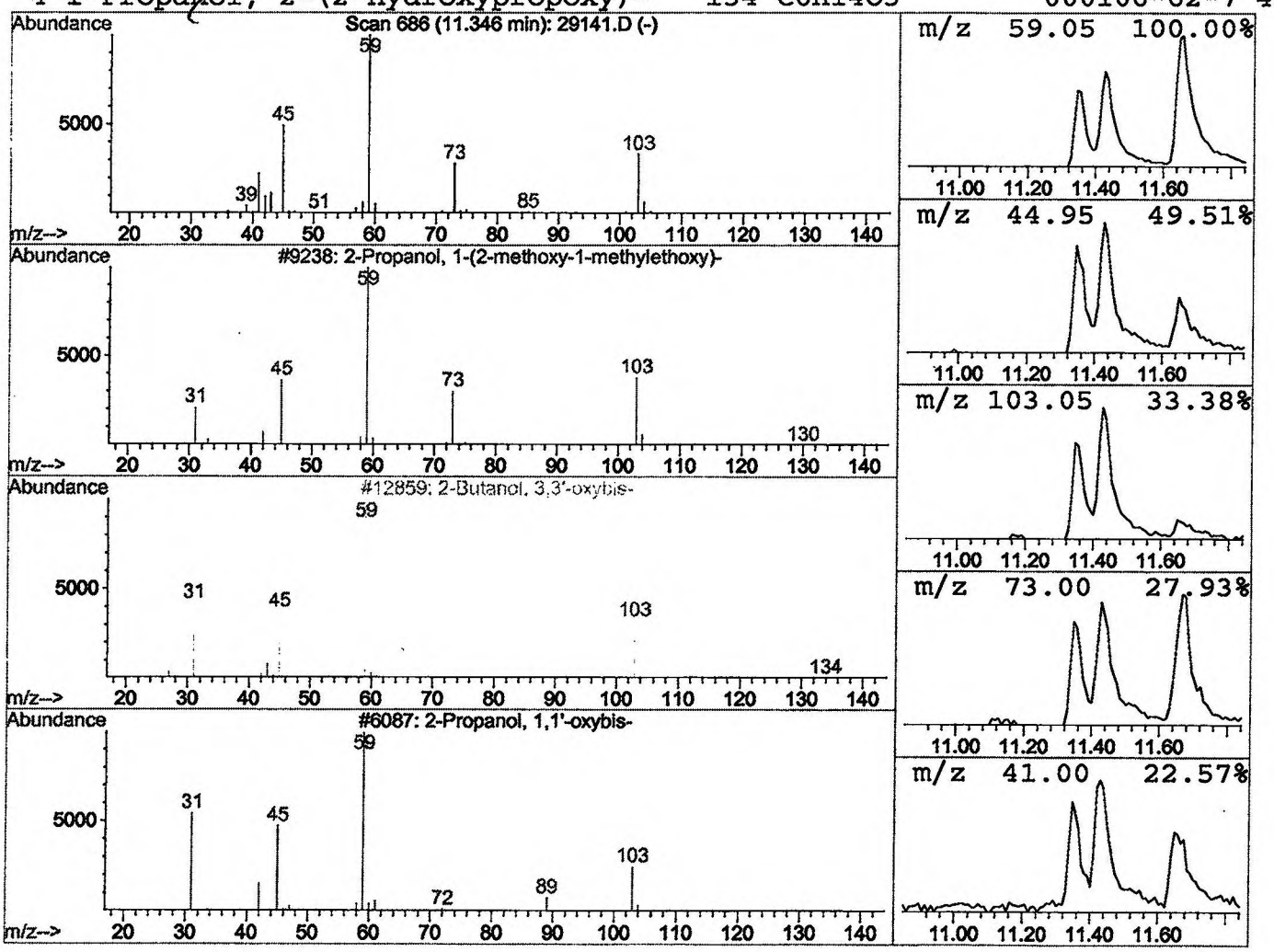
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 3 2-Propanol, 1-(2-methoxy-1-met Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.35	0.46 ug/l	111731	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	72
2	2-Butanol, 3,3'-oxybis-	162	C8H18O3	054305-61-2	50
3	2-Propanol, 1,1'-oxybis-	134	C6H14O3	000110-98-5	50
4	1-Propanol, 2-(2-hydroxypropoxy)-	134	C6H14O3	000106-62-7	45



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC1001\29141.D Vial: 8
Acq On : 10 Dec 2001 5:34 pm Operator: 209 GALOS
Sample : gc/ms scan 11/30 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

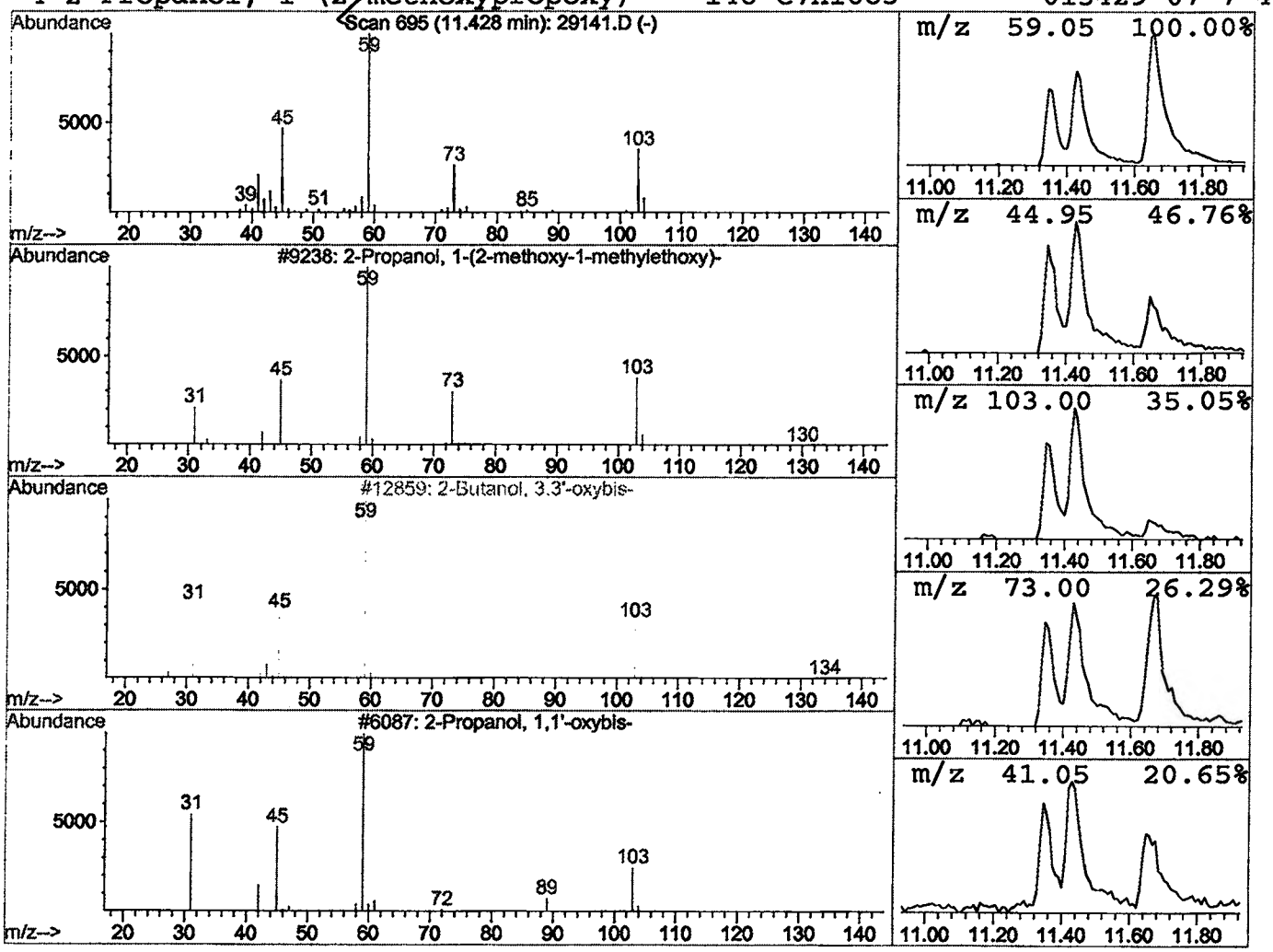
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 4 2-Propanol, 1-(2-methoxy-1-met Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.43	0.74 ug/l	177905	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	83
2	2-Butanol, 3,3'-oxybis-	162	C8H18O3	054305-61-2	64
3	2-Propanol, 1,1'-oxybis-	134	C6H14O3	000110-98-5	50
4	2-Propanol, 1-(2-methoxypropoxy)-	148	C7H16O3	013429-07-7	47



Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 10 Dec 2001 5:34 pm
Data File: C:\HPCHEM\1\DATA\DEC1001\29141.D
Name: gc/ms scan 11/30
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	4.4	ug/l	1067870	ISTD01	11.68	4818370	20.0
2-Propanone, 1,1,1-t	7.75	0.8	ug/l	191728	ISTD01	11.68	4818370	20.0
2-Propanol, 1-(2-met	11.35	0.5	ug/l	111731	ISTD01	11.68	4818370	20.0
2-Propanol, 1-(2-met	11.43	0.7	ug/l	177905	ISTD01	11.68	4818370	20.0

29141.D GCMS1126.M Wed Dec 12 16:08:38 2001