Comments for Sample AD29190 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 12-17-2001 Time: 12:41:53

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds, except for the presence of di-n-butylphthalate at an estimated level of 0.31 ug/L. It is also present in the Laboratory Blank at 2.72 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: 12:40:30

Sample: AD29190
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 12/17/01 12:39 Ended: 12/17/01 12:39 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		108		5.0

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DEC1001\29190.D Vial: 12
Acq On : 10 Dec 2001 9:28 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 15:07 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	951632	20.00	ug/l	-0.02
10) Naphthalene-d8	15.27	136	3645523	20.00	ug/l	-0.03
17) Acenaphthene-d10	20.55	164	1846504	20.00	ug/l	-0.02
29) Phenanthrene-d10	24.98	188	2602270	20.00	ug/l	-0.02
38) Chrysene-d12	33.01	240	1571883	20.00	ug/l	-0.02
44) Perylene-d12	37.09	264	1082070	20.00	ug/l	-0.02
System Monitoring Compounds						
37) 2,4-DDD	30.05	235	167608	5.41	ug/mL	-0.02
Spiked Amount 5.000			Recovery = 108.20%			
Target Compounds						Qvalue
2) N-nitroso-dimethyl amine	5.28	74	288	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	0.00	77	0	N.D.		
12) Isophorone	13.57	82	300	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	1109	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	20.57	153	113	N.D.		
24) 2,4-Dinitrotoluene	20.96	165	209	N.D.		
25) Diethylphthalate	22.08	149	2625	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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Title : 209 625/TCLP calibration table
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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	24.98	178	1134	N.D.	
34)	Anthracene	24.98	178	1134	N.D.	
35)	Di-n-butylphthalate	26.99	149	57340	0.31 ug/l	98
36)	Fluoranthene	0.00	202	0	N.D.	
39)	Pyrene	0.00	202	0	N.D.	
40)	Butylbenzylphthalate	31.50	149	440	N.D.	
41)	Benzo(a)anthracene	33.01	228	3801	N.D.	
42)	Bis(2-ethylhexyl)phthalate	33.28	149	15694	N.D.	
43)	Chrysene	33.01	228	3801	N.D.	
45)	Di-n-Octylphthalate	35.04	149	410	N.D.	
46)	Benzo(b)fluoranthene	0.00	252	0	N.D.	
47)	Benzo(k)fluoranthene	36.13	252	101	N.D.	
48)	Benzo(a)pyrene	37.09	252	3961	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.	

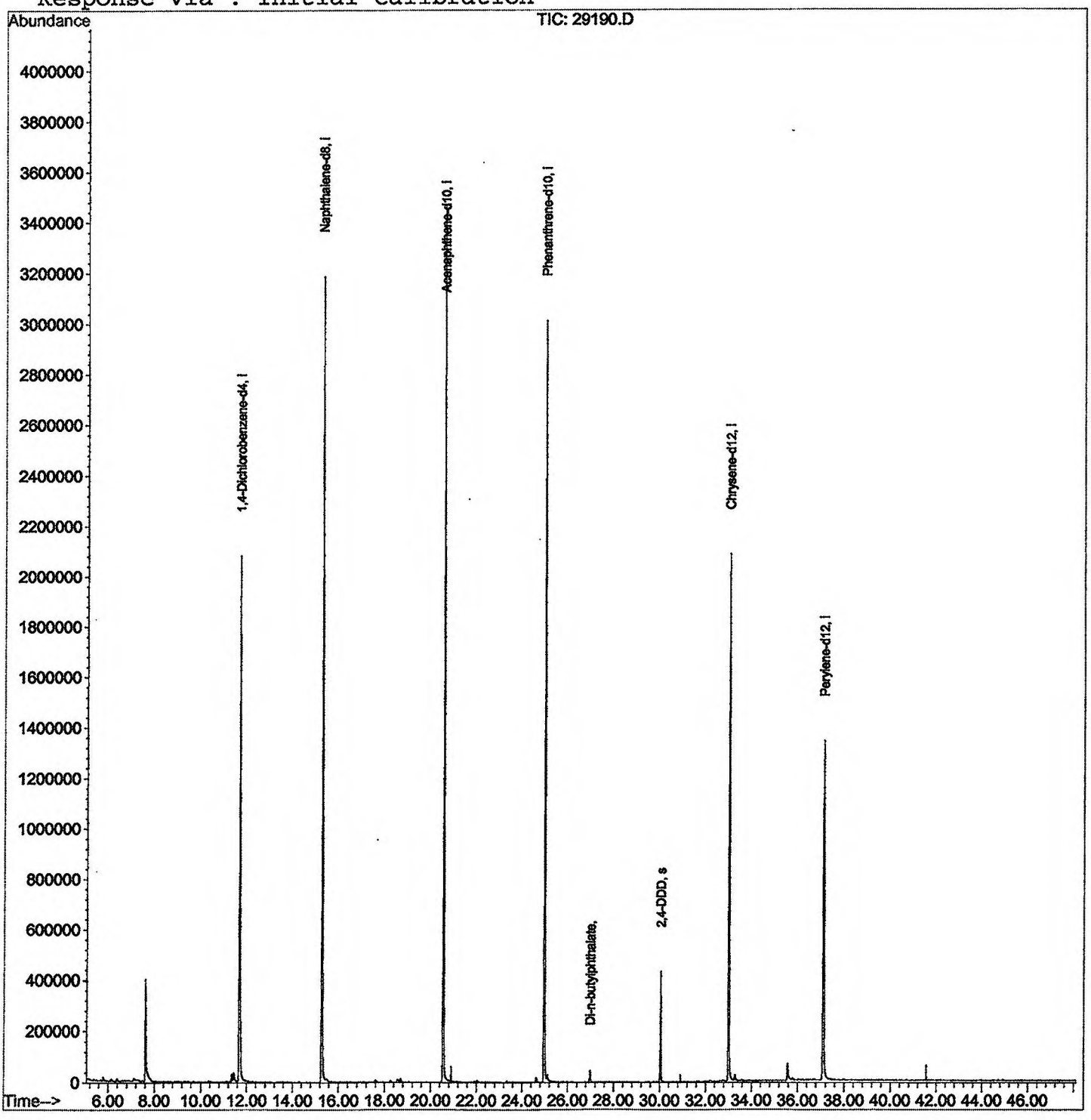
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\DEC1001\29190.D
Acq On : 10 Dec 2001 9:28 pm
Sample : gc/ms scan 11/30
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 12 15:07 2001

Vial: 12
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 : Wed Nov 28 15:06:24 2001
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\DEC1001\29190.D Vial: 12
Acq On : 10 Dec 2001 9:28 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

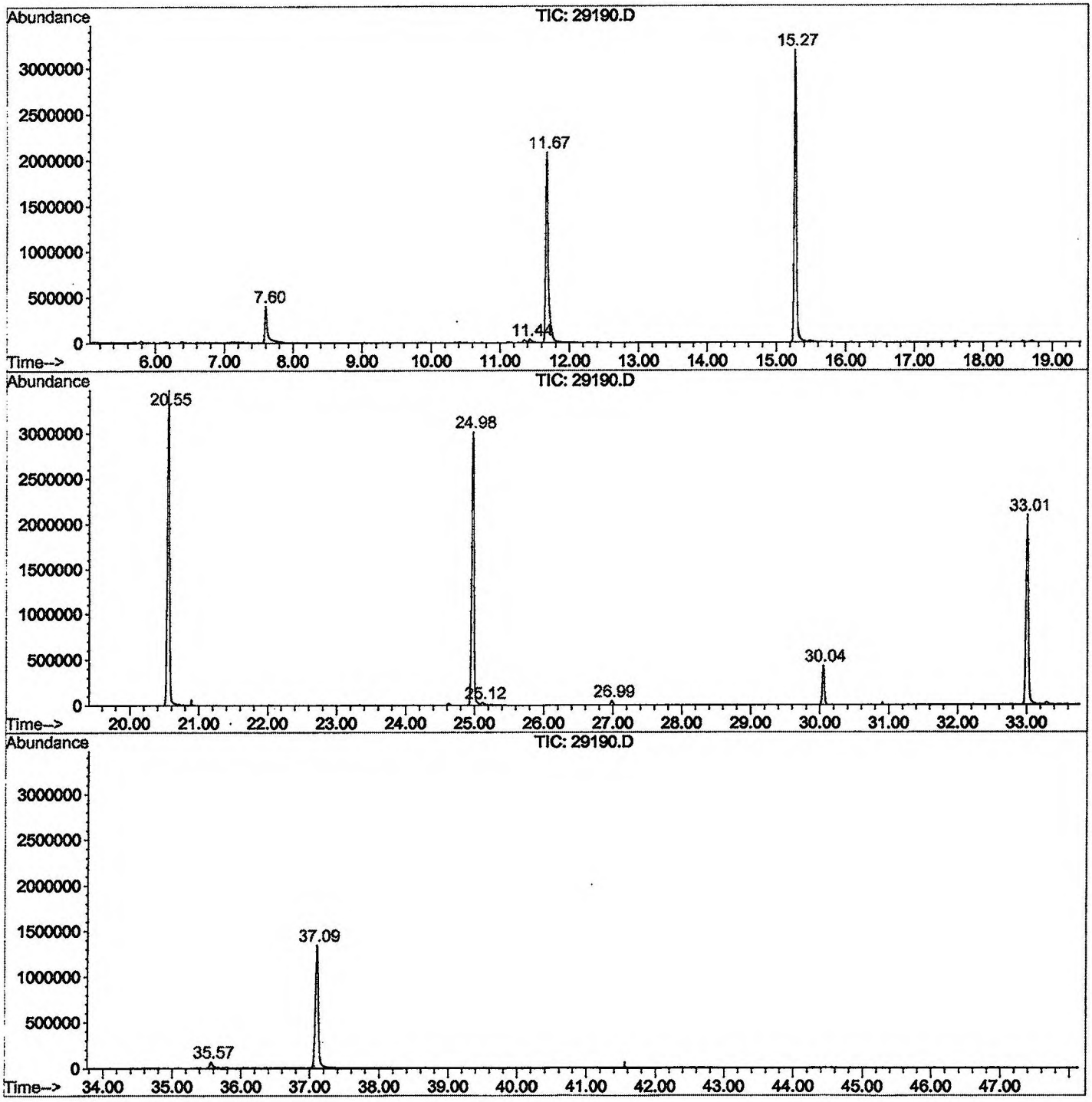
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	7.598	274	278	315	rVB	398491	1132840	14.99%	2.972%
2	11.436	692	696	706	rVB	32734	98134	1.30%	0.257%
3	11.674	716	722	746	rBV	2079013	5296498	70.09%	13.894%
4	15.273	1108	1114	1132	rBV	3186190	6877775	91.02%	18.042%
5	20.552	1683	1689	1711	rBV	3470343	7556566	100.00%	19.823%
6	24.977	2164	2171	2182	rBV2	3012189	6922990	91.62%	18.161%
7	25.123	2183	2187	2197	rVB	25429	80096	1.06%	0.210%
8	26.987	2383	2390	2396	rBV	46768	99126	1.31%	0.260%
9	30.044	2718	2723	2732	rBV	430523	910204	12.05%	2.388%
10	33.009	3039	3046	3062	rBV2	2085188	4955113	65.57%	12.999%
11	35.571	3319	3325	3338	rBV	65037	222988	2.95%	0.585%
12	37.095	3484	3491	3514	rBV2	1335211	3967532	52.50%	10.408%

Sum of corrected areas: 38119862

29190.D GCMS1126.M Wed Dec 12 16:10:08 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\DEC1001\29190.D
Operator : 209 GALOS
Acquired : 10 Dec 2001 9:28 pm using AcqMethod GCMS1126
Instrument : GC/MS 209
Sample Name: gc/ms scan 11/30
Misc Info :
Vial Number: 12
Quant File :GCMS1126.RES (RTE Integrator)



29190.D GCMS1126.M Wed Dec 12 16:10:14 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC1001\29190.D
Acq On : 10 Dec 2001 9:28 pm
Sample : gc/ms scan 11/30
Misc :
MS Integration Params: LSCINT.P

Vial: 12
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

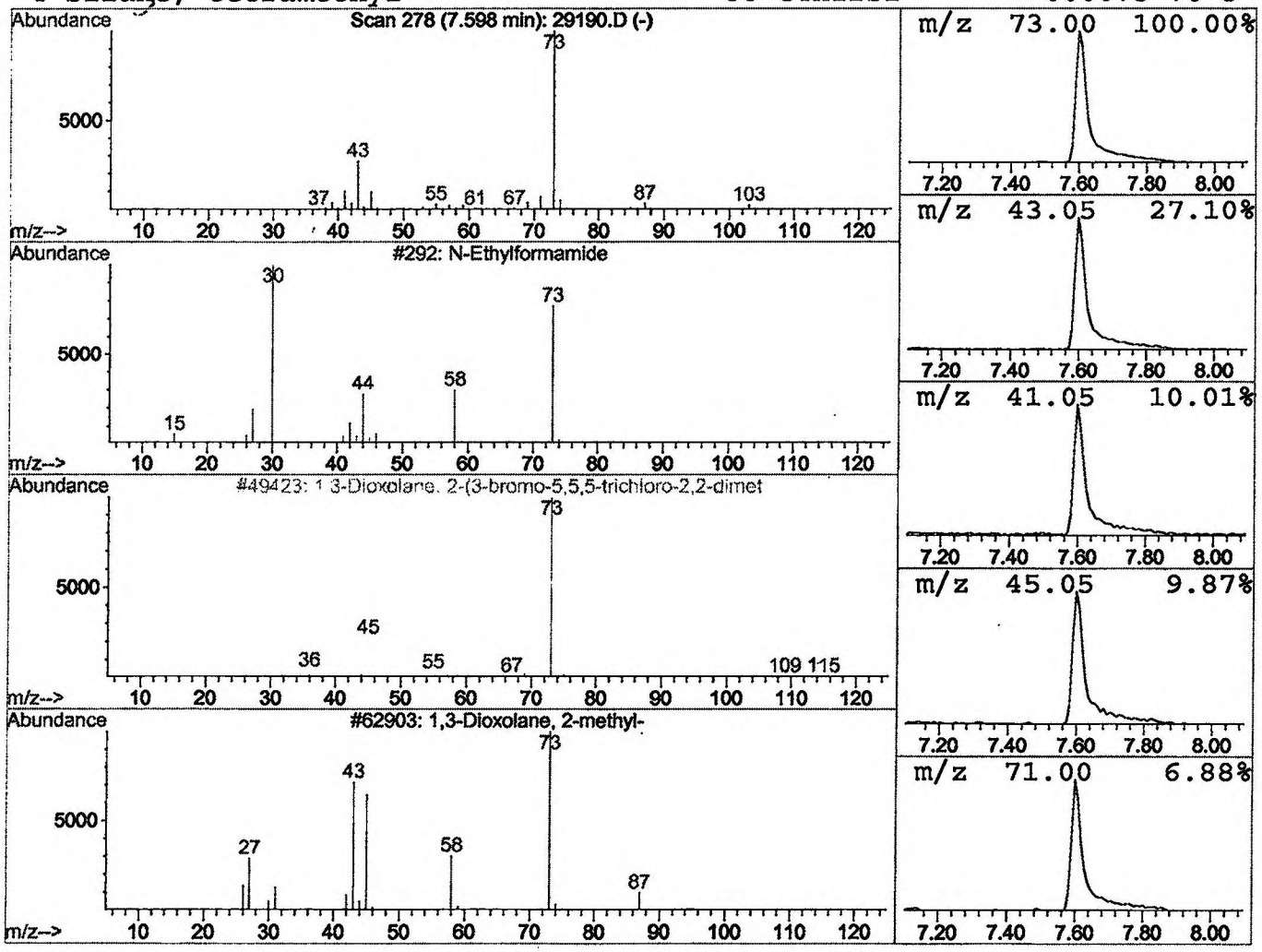
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 N-Ethylformamide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.60	4.28 ug/l	1132840	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	1,3-Dioxolane, 2-(3-bromo-5,5,5-tri	352	C10H16BrCl3O2	000000-00-0	9
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	5
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	4



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC1001\29190.D
Acq On : 10 Dec 2001 9:28 pm
Sample : gc/ms scan 11/30
Misc :
MS Integration Params: LSCINT.P

Vial: 12
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

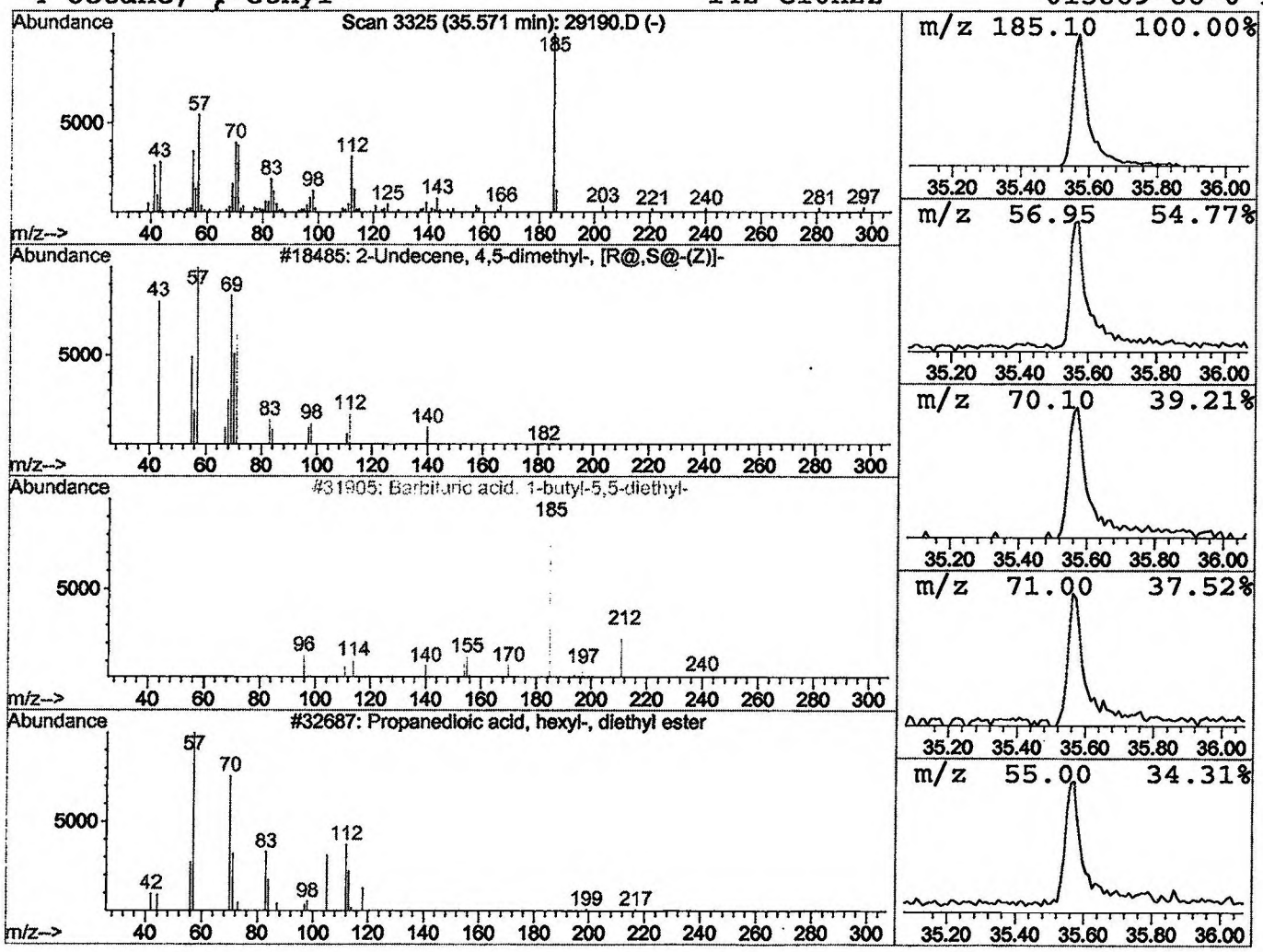
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 2-Undecene, 4,5-dimethyl-, [R@ Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
35.57	1.12 ug/l	222988	Perylene-d12	37.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Undecene, 4,5-dimethyl-, [R@,S@-(	182	C13H26	055170-93-9	27
2	Barbituric acid, 1-butyl-5,5-diethy	240	C12H20N2O3	015517-26-7	25
3	Propanedioic acid, hexyl-, diethyl	244	C13H24O4	005398-10-7	16
4	Octane, 4-ethyl-	142	C10H22	015869-86-0	14



Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 10 Dec 2001 9:28 pm
Data File: C:\HPCHEM\1\DATA\DEC1001\29190.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	4.3	ug/l	1132840	ISTD01	11.67	5296500	20.0
2-Undecene, 4,5-dime	35.57	1.1	ug/l	222988	ISTD06	37.09	3967530	20.0

29190.D GCMS1126.M Wed Dec 12 16:10:28 2001