Comments for Sample AD29022 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 12-17-2001 Time: 12:28:38

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. 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: 12:27:00

Sample: AD29022
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 12/17/01 12:24 Ended: 12/17/01 12:24 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		114		5.0

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DEC1001\29022.D Vial: 9
Acq On : 10 Dec 2001 6:33 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	863012	20.00	ug/l	-0.02
10) Naphthalene-d8	15.27	136	3293161	20.00	ug/l	-0.03
17) Acenaphthene-d10	20.55	164	1647142	20.00	ug/l	-0.02
29) Phenanthrene-d10	24.97	188	2363137	20.00	ug/l	-0.02
38) Chrysene-d12	33.01	240	1462654	20.00	ug/l	-0.02
44) Perylene-d12	37.10	264	990702	20.00	ug/l	-0.02
System Monitoring Compounds						
37) 2,4-DDD	30.05	235	160723	5.71	ug/mL	-0.02
Spiked Amount 5.000			Recovery = 114.20%			
Target Compounds						Qvalue
2) N-nitroso-dimethyl amine	5.24	74	227	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	13.39	77	174	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	1193	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	20.55	153	167	N.D.		
24) 2,4-Dinitrotoluene	21.34	165	117	N.D.		
25) Diethylphthalate	22.08	149	970	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 : 10 Dec 2001 6:33 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

	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	25.04	178	250	N.D.	
34)	Anthracene	25.04	178	250	N.D.	
35)	Di-n-butylphthalate	26.99	149	31186	N.D.	
36)	Fluoranthene	0.00	202	0	N.D.	
39)	Pyrene	0.00	202	0	N.D.	
40)	Butylbenzylphthalate	0.00	149	0	N.D.	
41)	Benzo(a)anthracene	33.00	228	3675	N.D.	
42)	Bis(2-ethylhexyl)phthalate	33.29	149	12757	N.D.	
43)	Chrysene	33.00	228	3675	N.D.	
45)	Di-n-Octylphthalate	35.06	149	192	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	3894	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.	

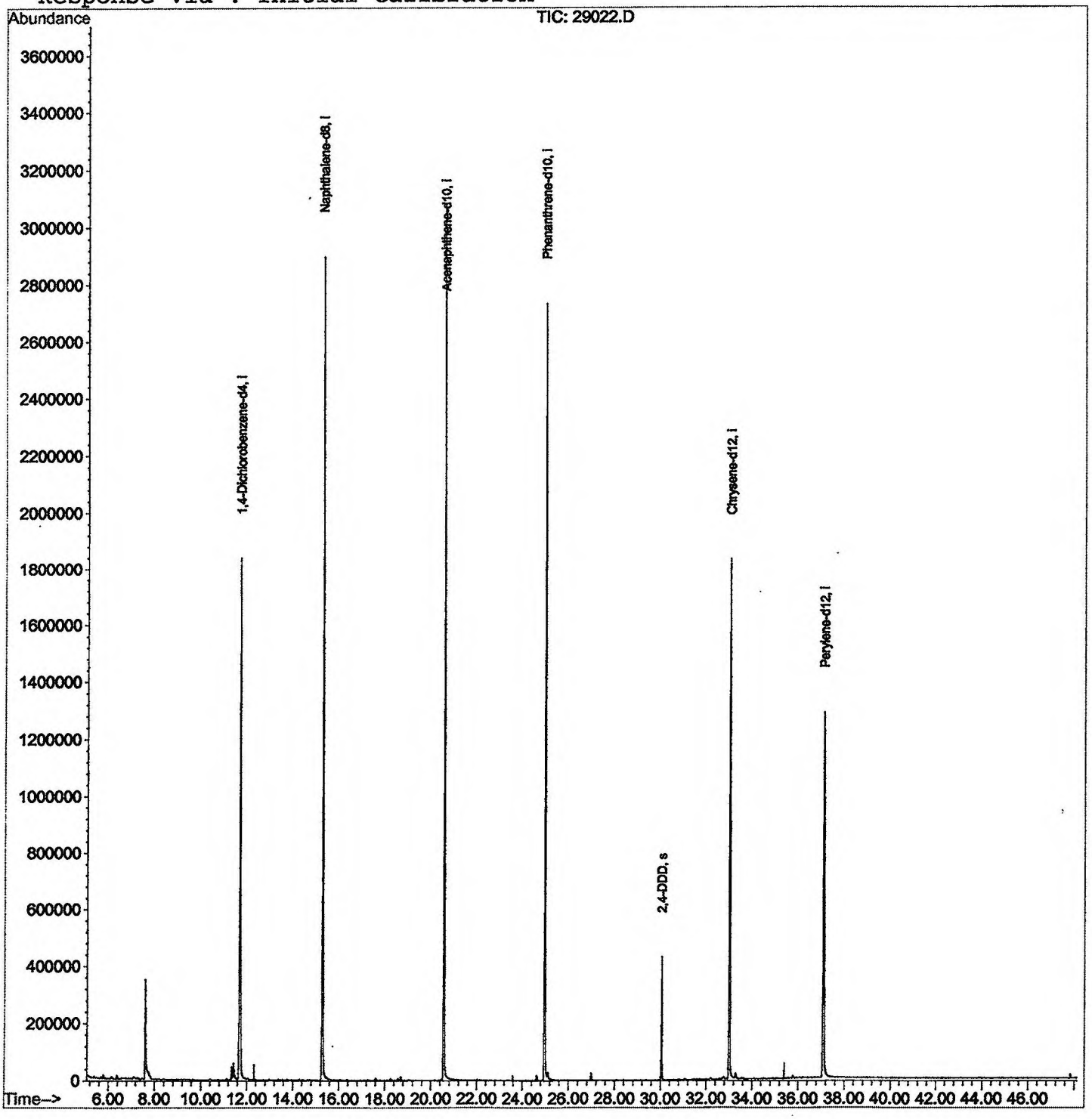
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\DEC1001\29022.D
Acq On : 10 Dec 2001 6:33 pm
Sample : gc/ms scan 11/30
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 12 15:17 2001

Vial: 9
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\29022.D Vial: 9
Acq On : 10 Dec 2001 6:33 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

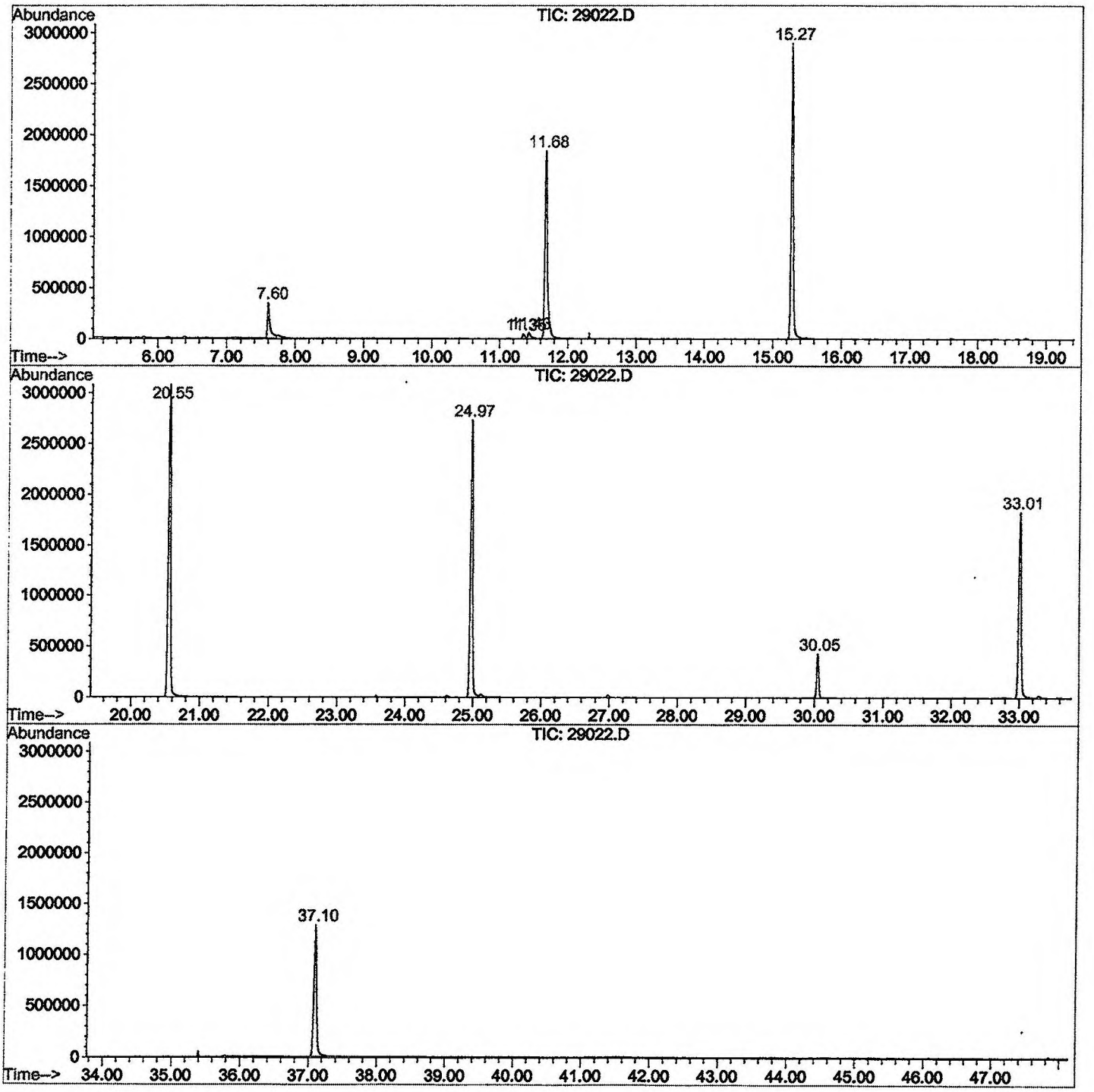
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	7.599	274	278	292	rBV	347277	928057	13.71%	2.699%
2	11.354	683	687	691	rBV	46357	110076	1.63%	0.320%
3	11.427	691	695	710	rVB	57577	174739	2.58%	0.508%
4	11.675	716	722	746	rBV	1835879	4839084	71.46%	14.074%
5	15.274	1108	1114	1132	rBV	2896565	6221079	91.87%	18.094%
6	20.553	1683	1689	1710	rBV	3082867	6771625	100.00%	19.695%
7	24.968	2164	2170	2183	rBV2	2731801	6281524	92.76%	18.269%
8	30.045	2718	2723	2730	rBV	428906	869127	12.83%	2.528%
9	33.010	3038	3046	3057	rBV2	1830116	4550291	67.20%	13.234%
10	37.096	3483	3491	3511	rBV2	1281877	3637198	53.71%	10.579%

Sum of corrected areas: 34382800

29022.D GCMS1126.M Wed Dec 12 16:03:03 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\DEC1001\29022.D
Operator : 209 GALOS
Acquired : 10 Dec 2001 6:33 pm using AcqMethod GCMS1126
Instrument : GC/MS 209
Sample Name: gc/ms scan 11/30
Misc Info :
Vial Number: 9
Quant File :GCMS1126.RES (RTE Integrator)



29022.D GCMS1126.M Wed Dec 12 16:03:09 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC1001\29022.D
Acq On : 10 Dec 2001 6:33 pm
Sample : gc/ms scan 11/30
Misc :
MS Integration Params: LSCINT.P

Vial: 9
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

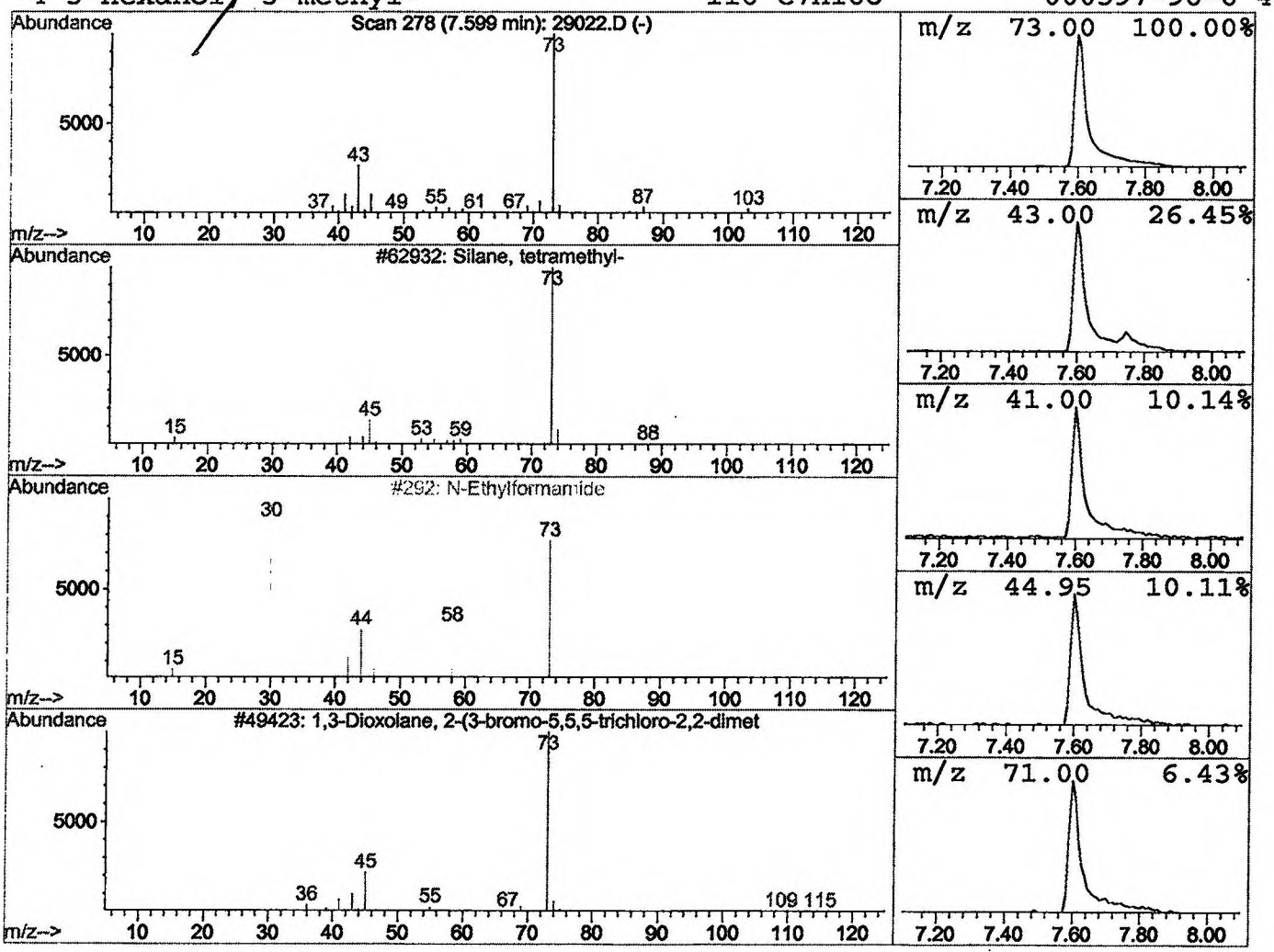
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Silane, tetramethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.60	3.84 ug/l	928057	1,4-Dichlorobenzene-d4	11.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9
2	N-Ethylformamide	73	C3H7NO	000627-45-2	9
3	1,3-Dioxolane, 2-(3-bromo-5,5,5-tri	352	C10H16BrCl3O2	000000-00-0	9
4	3-Hexanol, 3-methyl-	116	C7H16O	000597-96-6	4



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC1001\29022.D
Acq On : 10 Dec 2001 6:33 pm
Sample : gc/ms scan 11/30
Misc :
MS Integration Params: LSCINT.P

Vial: 9
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

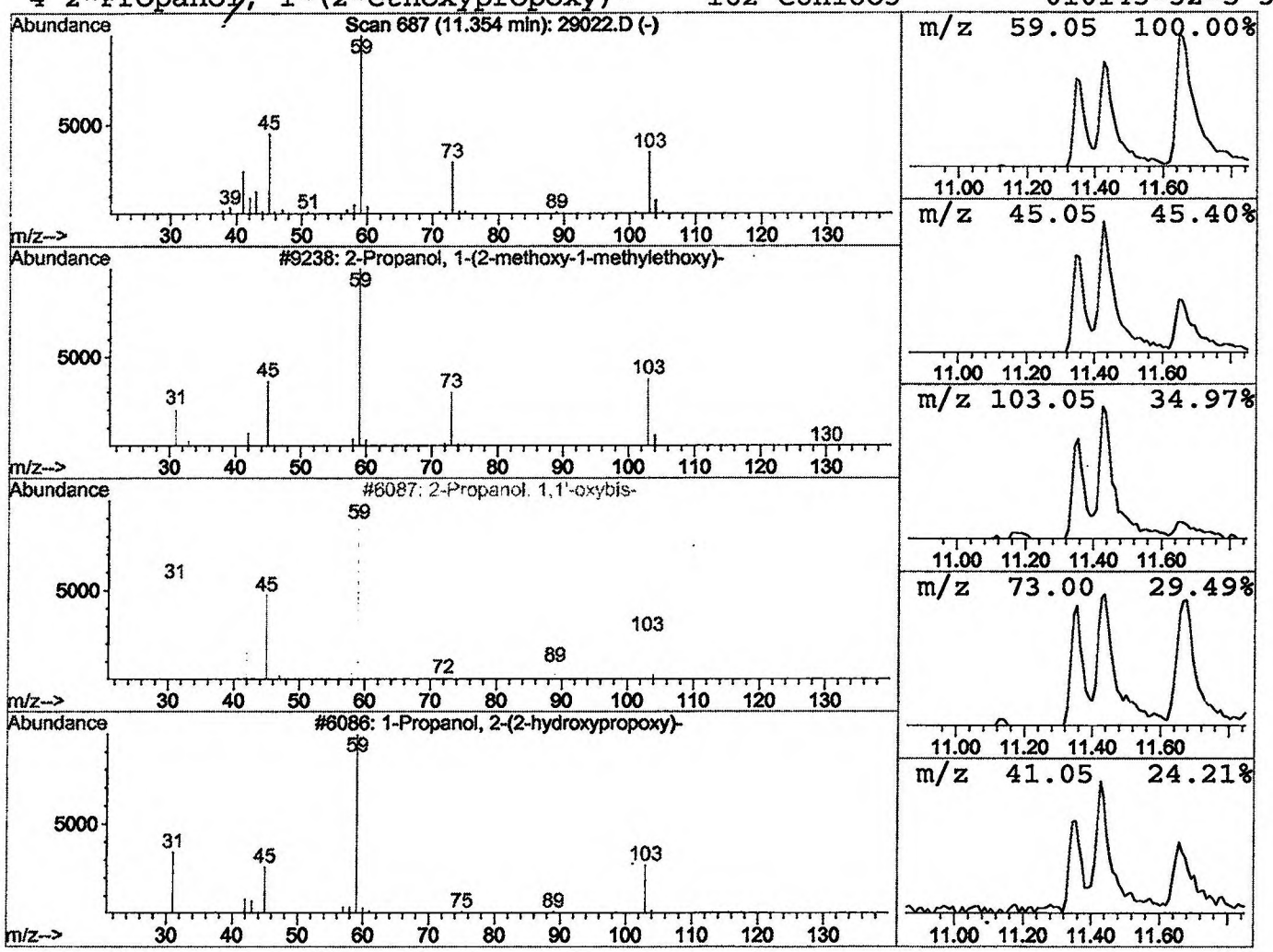
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

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	110076	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-Propanol, 1,1'-oxybis-	134	C6H14O3	000110-98-5	50
3	1-Propanol, 2-(2-hydroxypropoxy)-	134	C6H14O3	000106-62-7	45
4	2-Propanol, 1-(2-ethoxypropoxy)-	162	C8H18O3	010143-32-5	39



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC1001\29022.D
Acq On : 10 Dec 2001 6:33 pm
Sample : gc/ms scan 11/30
Misc :
MS Integration Params: LSCINT.P

Vial: 9
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

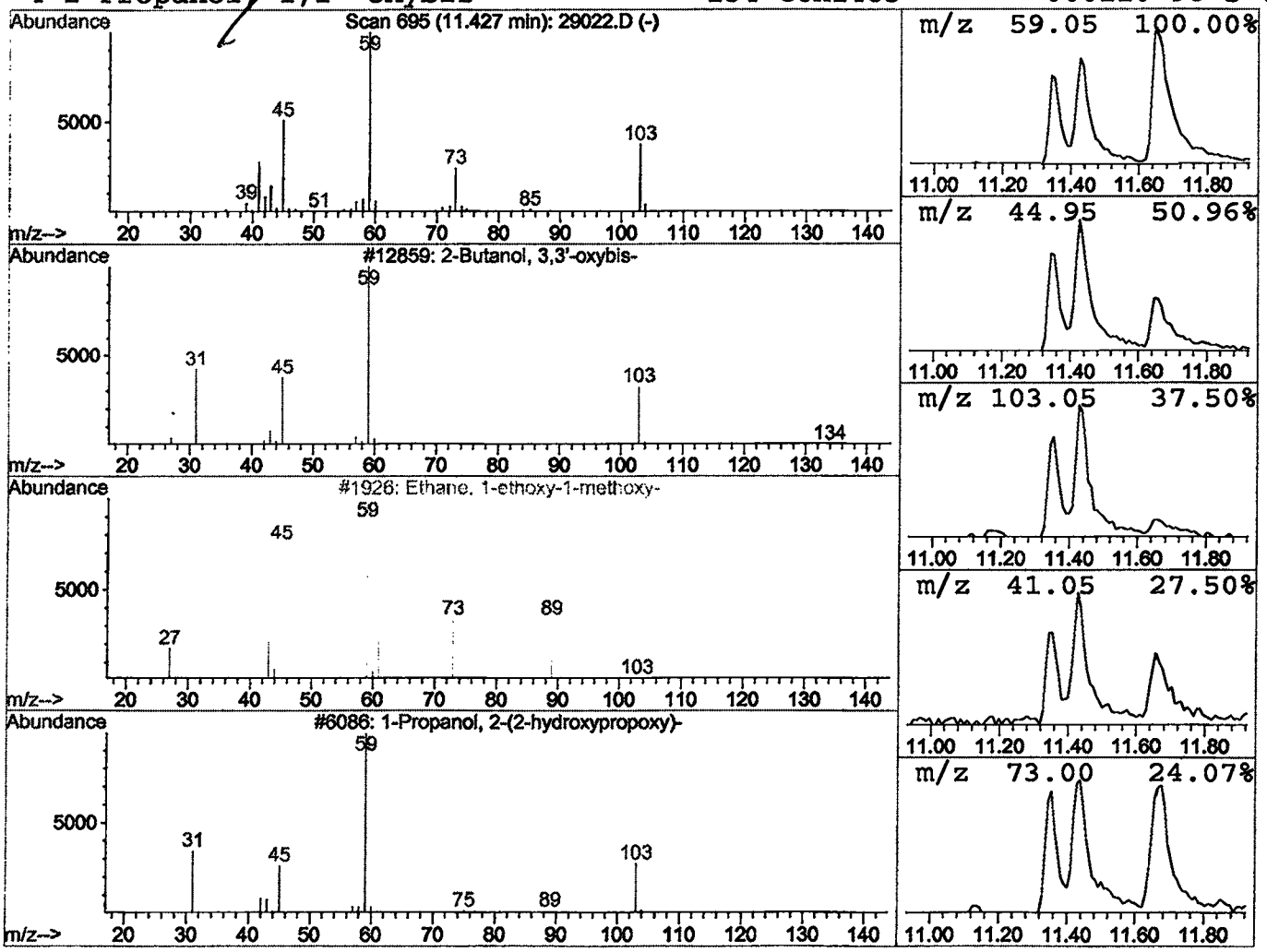
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 3 2-Butanol, 3,3'-oxybis- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.43	0.72 ug/l	174739	1,4-Dichlorobenzene-d4	11.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butanol, 3,3'-oxybis-	162	C8H18O3	054305-61-2	72
2	Ethane, 1-ethoxy-1-methoxy-	104	C5H12O2	010471-14-4	50
3	1-Propanol, 2-(2-hydroxypropoxy)-	134	C6H14O3	000106-62-7	42
4	2-Propanol, 1,1'-oxybis-	134	C6H14O3	000110-98-5	40



Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 10 Dec 2001 6:33 pm
Data File: C:\HPCHEM\1\DATA\DEC1001\29022.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
Silane, tetramethyl-	7.60	3.8	ug/l	928057	ISTD01	11.68	4839080	20.0
2-Propanol, 1-(2-met	11.35	0.5	ug/l	110076	ISTD01	11.68	4839080	20.0
2-Butanol, 3,3'-oxyb	11.43	0.7	ug/l	174739	ISTD01	11.68	4839080	20.0

29022.D GCMS1126.M Wed Dec 12 16:03:28 2001