User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 01/28/2002 Time: 11:28:58

Sample: AD29671
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 1/28/02 11:28 Ended: 1/28/02 11:28 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		113		5.0

Comments for Sample AD29671 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 01-28-2002 Time: 12:20:39

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds.
This sample was analyzed twice. The recoveries for 9 of the 43 compounds in the LCS Standard were below their acceptance ranges.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\JAN0302\29671.D re-ext Vial: 13
Acq On : 3 Jan 2002 10:17 pm ~~Repeat (2nd)~~ Operator: 209 GALOS
Sample : gcms scan 12/7 Inst : GC/MS 209
Misc : re-injection 1/28 Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Jan 15 15:58 2002 Quant Results File: GCMS1126.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Dec 28 15:11:00 2001
Response via : Initial Calibration
DataAcq Meth : GCMS1126

Field Blank Volume Pleet

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	11.53	152	1469924	20.00	ug/l	-0.17
10) Naphthalene-d8	15.13	136	5823852	20.00	ug/l	-0.18
17) Acenaphthene-d10	20.40	164	2968192	20.00	ug/l	-0.18
29) Phenanthrene-d10	24.82	188	3804992	20.00	ug/l	-0.17
38) Chrysene-d12	32.84	240	2847318	20.00	ug/l	-0.19
44) Perylene-d12	36.91	264	1633704	20.00	ug/l	-0.21
System Monitoring Compounds						
37) 2,4-DDD	29.89	235	235433	5.63	ug/mL	-0.18
Spiked Amount 5.000			Recovery = 112.60%			
Target Compounds						Qvalue
2) N-nitroso-dimethyl amine	5.19	74	525	N.D.		
3) bis(2-Chloroethyl)ether	10.54	93	556	N.D.		
4) 1,3-Dichlorobenzene	10.98	146	308	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.	d	
9) Hexachloroethane	0.00	117	0	N.D.		
11) Nitrobenzene	13.25	77	507	N.D.		
12) Isophorone	13.86	82	171	N.D.		
13) bis(2-Chloroethoxy)methane	14.17	93	1290	N.D.		
14) 1,2,4-Trichlorobenzene	0.00	180	0	N.D.		
15) Naphthalene	15.18	128	3311	N.D.		
16) Hexachlorobutadiene	0.00	225	0	N.D.		
18) Hexachlorocyclopentadiene	0.00	237	0	N.D.		
19) 2-Chloronaphthalene	18.18	162	2495	N.D.		
20) Dimethylphthalate	19.78	163	107	N.D.		
21) 2,6-Dinitrotoluene	20.13	165	4028	N.D.		
22) Acenaphthylene	20.05	152	2857	N.D.		
23) Acenaphthene	20.57	153	207	N.D.		
24) 2,4-Dinitrotoluene	21.03	165	1625	N.D.		
25) Diethylphthalate	21.91	149	4629	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\JAN0302\29671.D Vial: 13
Acq On : 3 Jan 2002 10:17 pm Operator: 209 GALOS
Sample : gcms scan 12/7 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P,
Quant Time: Jan 15 15:58 2002 Quant Results File: GCMS1126.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Dec 28 15:11:00 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	24.88	178	769	N.D.	
34)	Anthracene	25.01	178	202	N.D.	
35)	Di-n-butylphthalate	26.82	149	89548	0.33 ug/l #	98
36)	Fluoranthene	28.49	202	427	N.D.	
39)	Pyrene	29.17	202	421	N.D.	
40)	Butylbenzylphthalate	31.33	149	1679	N.D.	
41)	Benzo(a)anthracene	32.84	228	8919	N.D.	
42)	Bis(2-ethylhexyl)phthalate	33.13	149	50524	0.29 ug/l #	91
43)	Chrysene	32.84	228	8919	N.D.	
45)	Di-n-Octylphthalate	34.89	149	2860	N.D.	
46)	Benzo(b)fluoranthene	35.89	252	2104	N.D.	
47)	Benzo(k)fluoranthene	35.94	252	2560	N.D.	
48)	Benzo(a)pyrene	36.76	252	2134	N.D.	
49)	Indeno(1,2,3-cd)pyrene	40.50	276	197	N.D.	
50)	Dibenz(a,h)anthracene	0.00	278	0	N.D.	
51)	Benzo(g,h,i)perylene	41.58	276	568	N.D.	

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

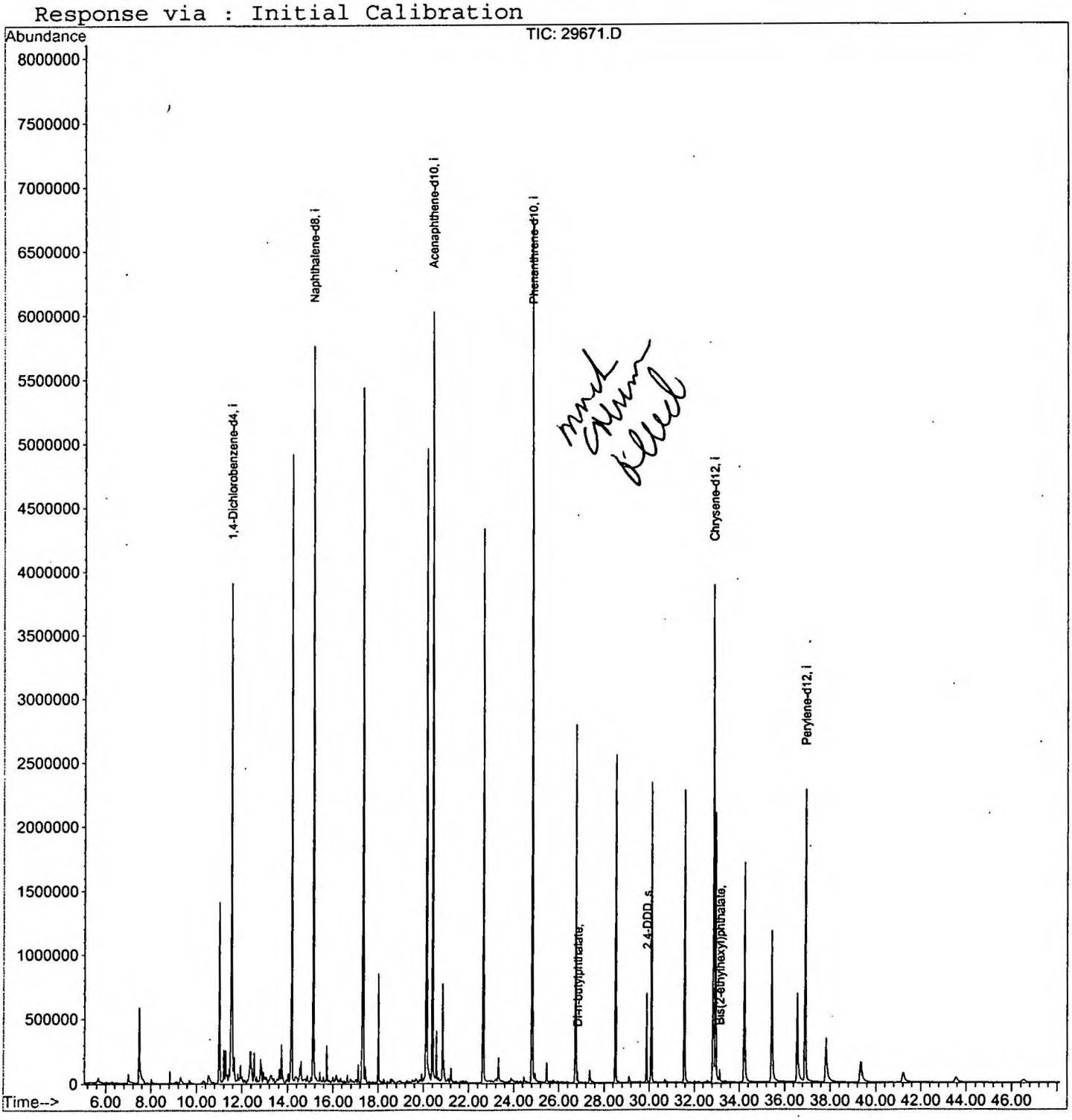
Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN0302\29671.D
Acq On : 3 Jan 2002 10:17 pm
Sample : gcms scan 12/7
Misc :
MS Integration Params: GOOFY.P
Quant Time: Jan 15 15:58 2002

Vial: 13
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 : Fri Dec 28 15:11:00 2001
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DEC1301\29671.D Vial: 18
Acq On : 14 Dec 2001 1:29 am Operator: 209 GALOS
Sample : gcms scan 12/7 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 27 15:04 2001 Quant Results File: GCMS1126.RES

Quant 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
DataAcq Meth : GCMS1126

original injection

Surrogate low at 69%

Fabed Blank

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	11.67	152	1204367	20.00	ug/l	-0.03
10) Naphthalene-d8	15.27	136	4642100	20.00	ug/l	-0.03
17) Acenaphthene-d10	20.55	164	2309770	20.00	ug/l	-0.02
29) Phenanthrene-d10	24.98	188	3349761	20.00	ug/l	-0.01
38) Chrysene-d12	33.01	240	2176556	20.00	ug/l	-0.02
44) Perylene-d12	37.11	264	1493149	20.00	ug/l	-0.01
System Monitoring Compounds						
37) 2,4-DDD	30.05	235	166659	3.44	ug/mL	-0.02
Spiked Amount 5.000			Recovery = 68.80%			
Target Compounds						Qvalue
2) N-nitroso-dimethyl amine	0.00	74	0	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	13.19	77	190	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	2171	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	21.17	165	279	N.D.		
25) Diethylphthalate	22.10	149	2493	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\DEC1301\29671.D Vial: 18
Acq On : 14 Dec 2001 1:29 am Operator: 209 GALOS
Sample : gcms scan 12/7 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 27 15:04 2001 Quant Results File: GCMS1126.RES

Quant 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
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	1020	N.D.	
34)	Anthracene	25.03	178	1020	N.D.	
35)	Di-n-butylphthalate	26.99	149	51790	N.D.	
36)	Fluoranthene	0.00	202	0	N.D.	
39)	Pyrene	0.00	202	0	N.D.	
40)	Butylbenzylphthalate	31.51	149	568	N.D.	
41)	Benzo(a)anthracene	33.01	228	6488	N.D.	
42)	Bis(2-ethylhexyl)phthalate	33.30	149	28927	N.D.	
43)	Chrysene	33.01	228	6488	N.D.	
45)	Di-n-Octylphthalate	35.04	149	223	N.D.	
46)	Benzo(b)fluoranthene	36.08	252	113	N.D.	
47)	Benzo(k)fluoranthene	36.12	252	366	N.D.	
48)	Benzo(a)pyrene	37.10	252	6061	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.	

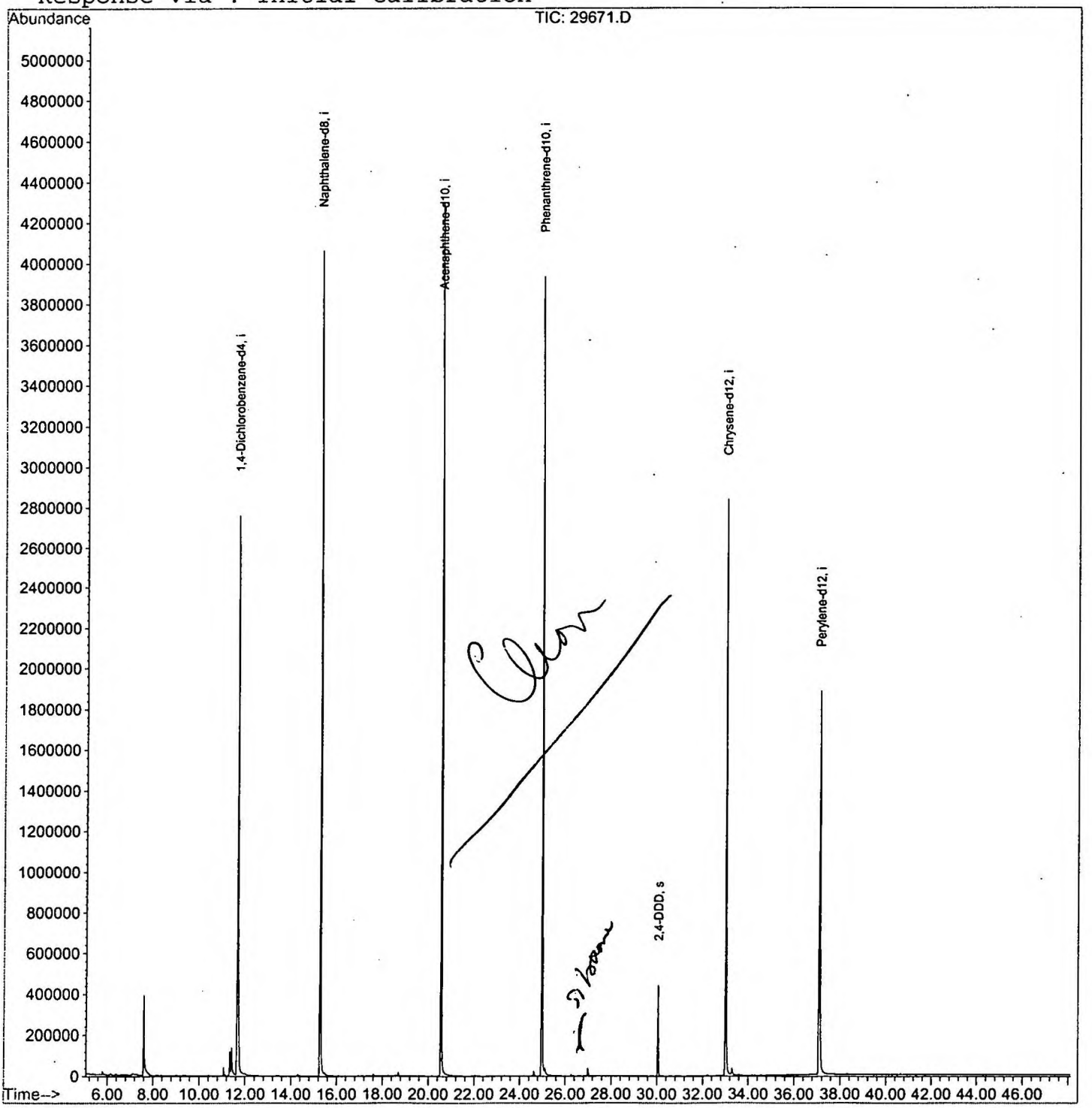
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\DEC1301\29671.D
Acq On : 14 Dec 2001 1:29 am
Sample : gcms scan 12/7
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 27 15:04 2001

Vial: 18
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 : Fri Dec 14 12:19:30 2001
Response via : Initial Calibration



LSC Area Percent Report

Data File : M:\INSTRU~1\209\DATA\DEC1301\29671.D Vial: 18
Acq On : 14 Dec 2001 1:29 am Operator: 209 GALOS
Sample : gcms scan 12/7 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

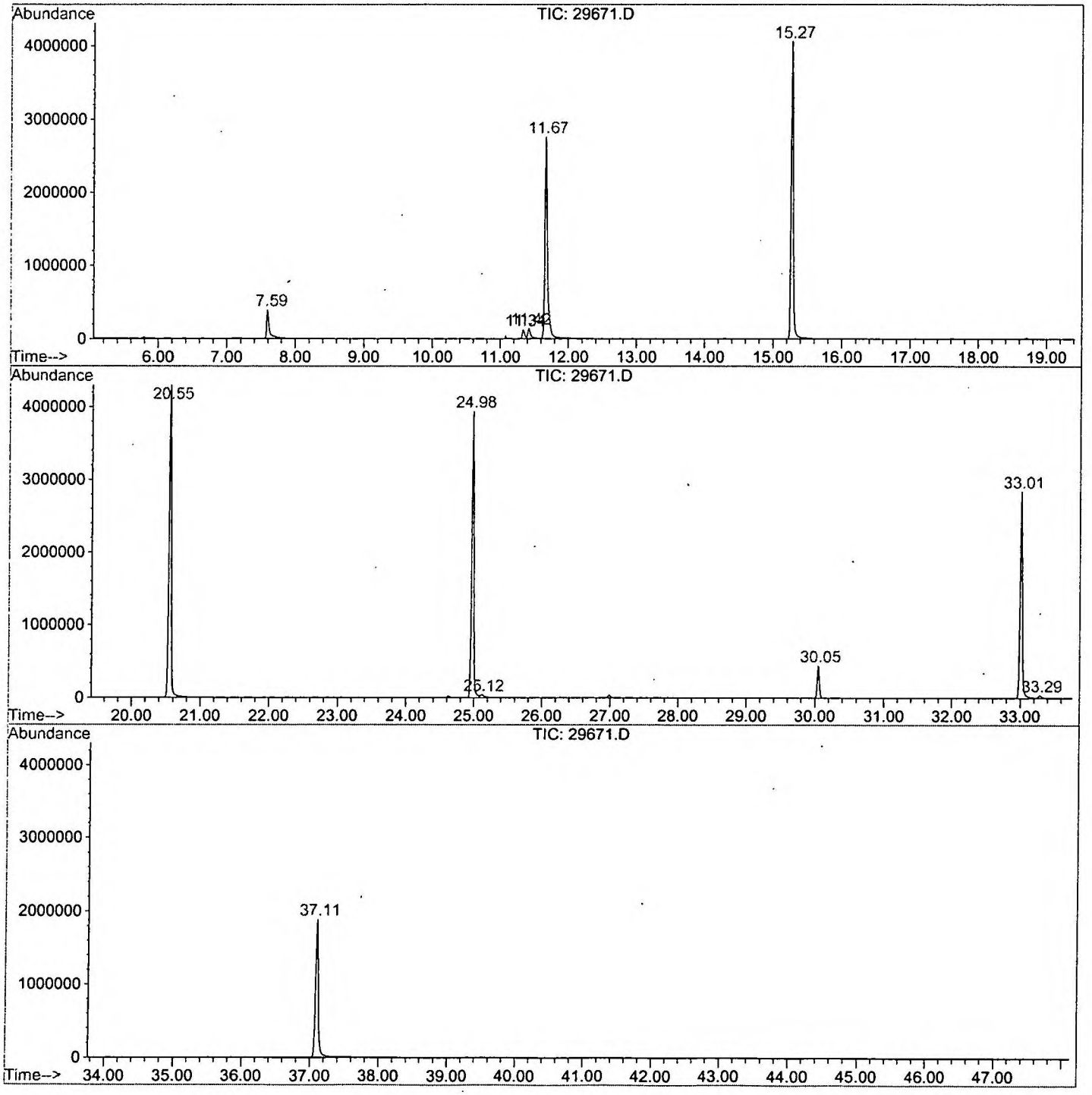
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	7.590	273	277	298	rBV	390696	1058325	11.23%	2.142%
2	11.336	681	685	690	rBV	118761	267272	2.84%	0.541%
3	11.419	690	694	710	rVB	135320	371865	3.95%	0.753%
4	11.666	714	721	740	rBV	2754780	7104407	75.39%	14.380%
5	15.274	1108	1114	1132	rBV	4061002	8808476	93.47%	17.829%
6	20.553	1682	1689	1708	rBV	4298429	9424117	100.00%	19.075%
7	24.978	2164	2171	2183	rBV2	3935354	8946816	94.94%	18.109%
8	25.116	2183	2186	2208	rVB	36829	151428	1.61%	0.306%
9	30.045	2715	2723	2735	rBV	443295	939358	9.97%	1.901%
10	33.011	3039	3046	3067	rBV2	2835427	6798973	72.14%	13.761%
11	33.286	3071	3076	3087	rVB	35090	107988	1.15%	0.219%
12	37.105	3484	3492	3516	rBV	1878454	5426947	57.59%	10.984%

Sum of corrected areas: 49405972

29671.D GCMS1126.M Tue Jan 08 11:02:40 2002

LSC Report - Integrated Chromatogram

File : M:\INSTRU~1\209\DATA\DEC1301\29671.D
Operator : 209 GALOS
Acquired : 14 Dec 2001 1:29 am using AcqMethod GCMS1126
Instrument : GC/MS 209
Sample Name: gcms scan 12/7
Misc Info :
Vial Number: 18
Quant File :GCMS1126.RES (RTE Integrator)



29671.D GCMS1126.M Tue Jan 08 11:02:46 2002

Library Search Compound Report

Data File : M:\INSTRU~1\209\DATA\DEC1301\29671.D Vial: 18
Acq On : 14 Dec 2001 1:29 am Operator: 209 GALOS
Sample : gcms scan 12/7 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

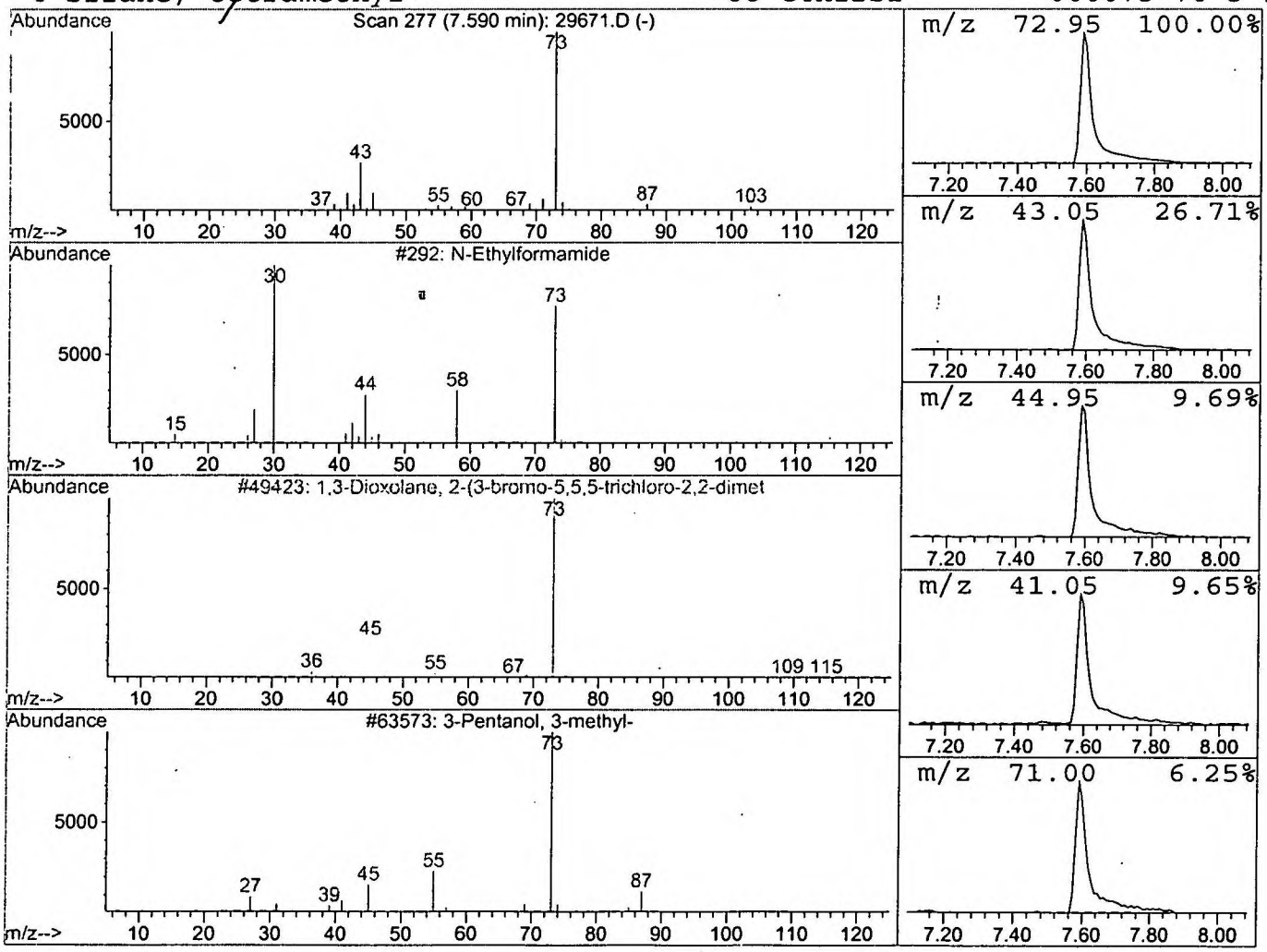
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 N-Ethylformamide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.59	2.98 ug/l	1058330	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	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	9
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9



Library Search Compound Report

Data File : M:\INSTRU~1\209\DATA\DEC1301\29671.D Vial: 18
Acq On : 14 Dec 2001 1:29 am Operator: 209 GALOS
Sample : gcms scan 12/7 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

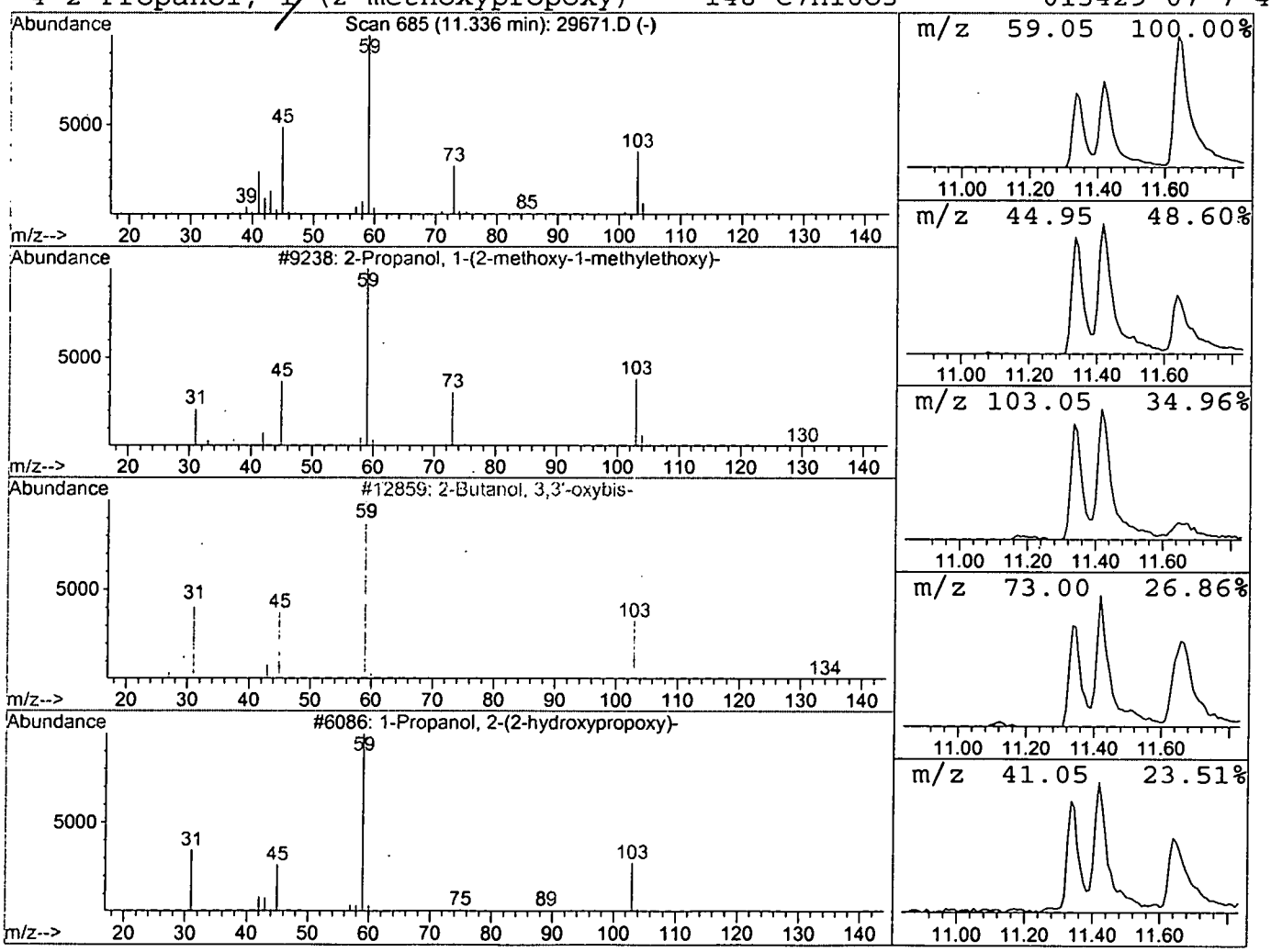
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.34	0.75 ug/l	267272	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	45
4	2-Propanol, 1-(2-methoxypropoxy)-	148	C7H16O3	013429-07-7	40



Library Search Compound Report

Data File : M:\INSTRU~1\209\DATA\DEC1301\29671.D Vial: 18
Acq On : 14 Dec 2001 1:29 am Operator: 209 GALOS
Sample : gcms scan 12/7 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

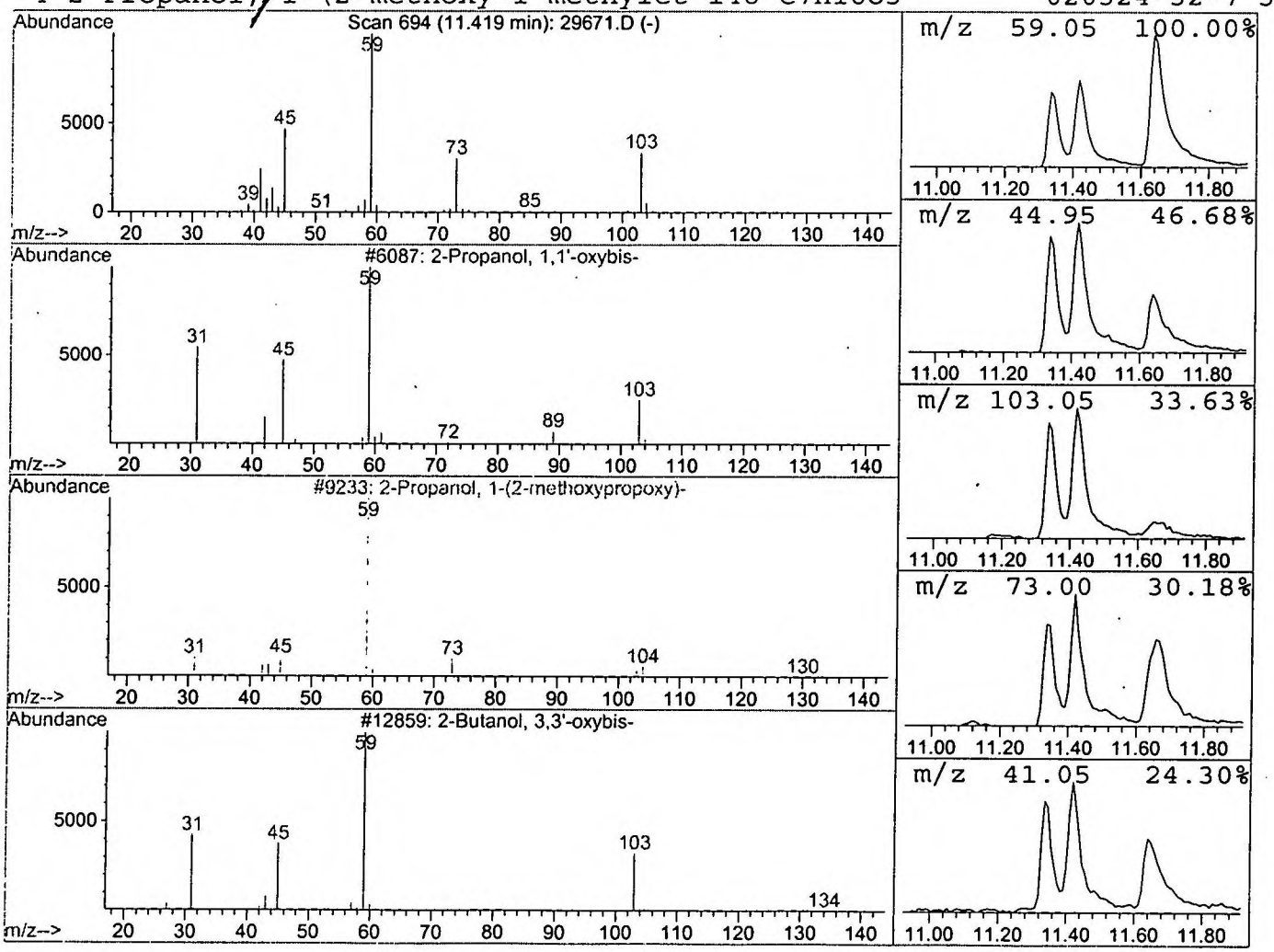
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 3 2-Propanol, 1,1'-oxybis- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.42	1.05 ug/l	371865	1,4-Dichlorobenzene-d4	11.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1,1'-oxybis-	134	C6H14O3	000110-98-5	56
2	2-Propanol, 1-(2-methoxypropoxy)-	148	C7H16O3	013429-07-7	40
3	2-Butanol, 3,3'-oxybis-	162	C8H18O3	054305-61-2	39
4	2-Propanol, 1-(2-methoxy-1-methylet	148	C7H16O3	020324-32-7	39



Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 14 Dec 2001 1:29 am
Data File: M:\INSTRU~1\209\DATA\DEC1301\29671.D
Name: gcms scan 12/7
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	3.0	ug/l	1058330	ISTD01	11.67	7104410	20.0
2-Propanol, 1-(2-met	11.34	0.8	ug/l	267272	ISTD01	11.67	7104410	20.0
2-Propanol, 1,1'-oxy	11.42	1.0	ug/l	371865	ISTD01	11.67	7104410	20.0

29671.D GCMS1126.M Tue Jan 08 11:03:06 2002