User: Galos, Marie
Westchester Dept. of Labs & Research
Date: 10/25/2001 Time: 12:42:07

Sample: AD23993
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 10/25/01 12:41 Ended: 10/25/01 12:41 Analyst: MG
Page: 1

	Component Name	Vial	Result
1	Other unknown compounds		see comment

Comments for Sample AD23993 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Galos, Marie
Date: 10-25-2001 Time: 12:42:12

A scan of the extract prepared for the 508 analysis, from 35-550 amu using a mass spectrometer, does not reveal the presence of non-target compounds.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\OCT1701\23993.D Vial: 17
Acq On : 18 Oct 2001 4:53 am Operator: 209 GALOS
Sample : gc/ms unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 15:48 2001 Quant Results File: NP091101.RES

Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Last Update : Fri Oct 12 09:04:47 2001
Response via : Initial Calibration
DataAcq Meth : NP091101

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	11.76	152	349612	20.00	ug/l	-0.15
19) Naphthalene-d8	15.38	136	1369990	20.00	ug/l	-0.15
31) Acenaphthene-d10	20.65	164	636440	20.00	ug/l	-0.16
49) Phenanthrene-d10	25.08	188	932577	20.00	ug/l	-0.16
59) Chrysene-d12	33.12	240	678686	20.00	ug/l	-0.16
68) Perylene-d12	37.23	264	488128	20.00	ug/l	-0.19
System Monitoring Compounds						
4) 2-Fluorophenol	0.00	112	0	0.00	ug/l	
Spiked Amount 75.000			Recovery =	0.00%		
5) Phenol-d5	0.00	99	0	0.00	ug/l	
Spiked Amount 75.000			Recovery =	0.00%		
6) 2-Chlorophenol-d4	0.00	132	0	0.00	ug/l	
Spiked Amount 75.000			Recovery =	0.00%		
7) 1,2-Dichlorobenzene-d4	12.29	152	3712	0.22	ug/l	-0.14
Spiked Amount 50.000			Recovery =	0.44%		
20) Nitrobenzene-d5	0.00	82	0	0.00	ug/l	
Spiked Amount 50.000			Recovery =	0.00%		
32) 2-Fluorobiphenyl	18.80	172	1269	0.03	ug/l	-0.01
Spiked Amount 50.000			Recovery =	0.06%		
33) 2,4,6-Tribromophenol	0.00	330	0	0.00	ug/l	
Spiked Amount 75.000			Recovery =	0.00%		
62) Terphenyl-d14	0.00	244	0	0.00	ug/l	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) Pyridine	0.00	79	0	N.D.		
3) N-nitroso-dimethyl amine	0.00	74	0	N.D.		
8) Phenol	0.00	94	0	N.D.		
9) bis(2-Chloroethyl)ether	0.00	93	0	N.D.		
10) 2-Chlorophenol	0.00	128	0	N.D.		
11) 1,3-Dichlorobenzene	0.00	146	0	N.D.		
12) 1,4-Dichlorobenzene	0.00	146	0	N.D.		
13) 1,2-Dichlorobenzene	0.00	146	0	N.D.		
14) 2-Methylphenol	0.00	108	0	N.D.		
15) 2,2'-oxybis(1-Chloropropan	0.00	45	0	N.D.		
16) 3&4-Methylphenol	0.00	108	0	N.D.		
17) N-Nitroso-di-n-propylamine	0.00	70	0	N.D.		
18) Hexachloroethane	0.00	117	0	N.D.		
21) Nitrobenzene	0.00	77	0	N.D.		
22) Isophorone	0.00	82	0	N.D.		

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\OCT1701\23993.D Vial: 17
Acq On : 18 Oct 2001 4:53 am Operator: 209 GALOS
Sample : gc/ms unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 15:48 2001 Quant Results File: NP091101.RES

Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Last Update : Fri Oct 12 09:04:47 2001
Response via : Initial Calibration
DataAcq Meth : NP091101

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
23)	2-Nitrophenol	0.00	139	0	N.D.	
24)	2,4-Dimethylphenol	0.00	107	0	N.D.	
25)	bis(2-Chloroethoxy)methane	0.00	93	0	N.D.	
26)	2,4-Dichlorophenol	0.00	162	0	N.D.	
27)	1,2,4-Trichlorobenzene	0.00	180	0	N.D.	
28)	Naphthalene	0.00	128	0	N.D.	
29)	Hexachlorobutadiene	0.00	225	0	N.D.	
30)	4-Chloro-3-methylphenol	0.00	107	0	N.D.	
34)	Hexachlorocyclopentadiene	0.00	237	0	N.D.	
35)	2,4,6-Trichlorophenol	0.00	196	0	N.D.	
36)	2,4,5-Trichlorophenol	0.00	196	0	N.D.	
37)	2-Chloronaphthalene	0.00	162	0	N.D.	
38)	Dimethylphthalate	0.00	163	0	N.D.	
39)	2,6-Dinitrotoluene	0.00	165	0	N.D.	d
40)	Acenaphthylene	0.00	152	0	N.D.	
41)	Acenaphthene	0.00	153	0	N.D.	
42)	2,4-Dinitrophenol	0.00	184	0	N.D.	
43)	4-Nitrophenol	0.00	65	0	N.D.	
44)	2,4-Dinitrotoluene	0.00	165	0	N.D.	
45)	Diethylphthalate	22.16	149	569	N.D.	
46)	4-Chlorophenyl-phenylether	0.00	204	0	N.D.	
47)	Fluorene	0.00	166	0	N.D.	
48)	Azobenzen/ 1,2-Diphenylhyd	0.00	77	0	N.D.	
50)	4,6-Dinitro-2-methylphenol	0.00	198	0	N.D.	
51)	N-Nitrosodiphenylamine	0.00	168	0	N.D.	
52)	4-Bromophenyl-phenylether	0.00	248	0	N.D.	
53)	Hexachlorobenzene	0.00	284	0	N.D.	
54)	Pentachlorophenol	0.00	266	0	N.D.	
55)	Phenanthrene	0.00	178	0	N.D.	
56)	Anthracene	0.00	178	0	N.D.	
57)	Di-n-butylphthalate	27.08	149	1236	N.D.	
58)	Fluoranthene	0.00	202	0	N.D.	
60)	3,3'-Dichlorobenzidine	0.00	252	0	N.D.	
61)	Benzidine	0.00	184	0	N.D.	
63)	Pyrene	0.00	202	0	N.D.	
64)	Butylbenzylphthalate	0.00	149	0	N.D.	
65)	Benzo(a)anthracene	33.12	228	1632	N.D.	
66)	Bis(2-ethylhexyl)phthalate	33.39	149	820	N.D.	
67)	Chrysene	33.12	228	1632	N.D.	
69)	Di-n-Octylphthalate	0.00	149	0	N.D.	
70)	Benzo(b)fluoranthene	0.00	252	0	N.D.	

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\OCT1701\23993.D Vial: 17
Acq On : 18 Oct 2001 4:53 am Operator: 209 GALOS
Sample : gc/ms unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 15:48 2001 Quant Results File: NP091101.RES

Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Last Update : Fri Oct 12 09:04:47 2001
Response via : Initial Calibration
DataAcq Meth : NP091101

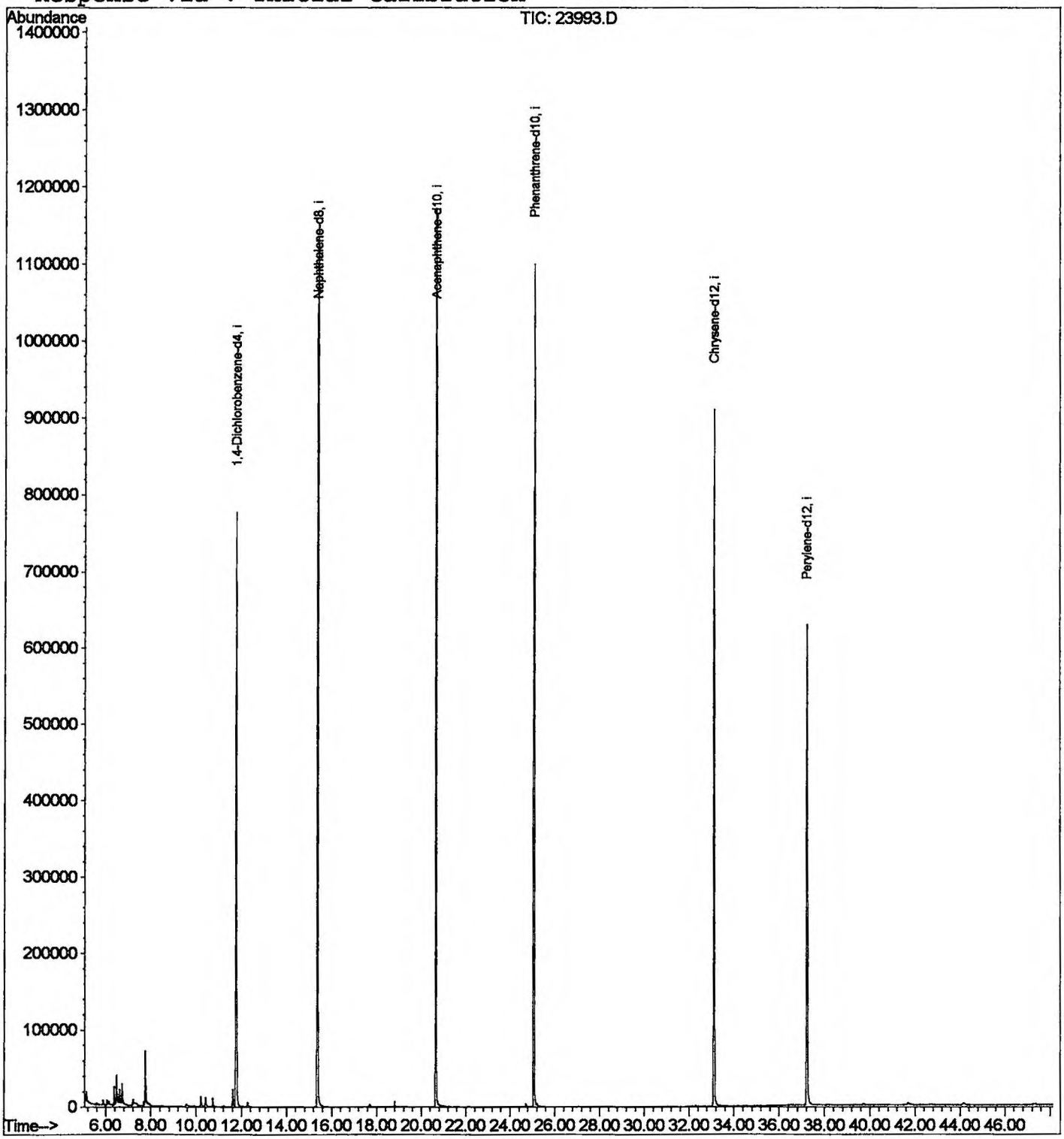
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
71)	Benzo(k)fluoranthene	0.00	252	0	N.D.		
72)	Benzo(a)pyrene	37.23	252	1784	N.D.		
73)	Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.		
74)	Dibenz(a,h)anthracene	0.00	278	0	N.D.		
75)	Benzo(g,h,i)perylene	0.00	276	0	N.D.		

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\OCT1701\23993.D Vial: 17
Acq On : 18 Oct 2001 4:53 am Operator: 209 GALOS
Sample : gc/ms unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 15:48 2001 Quant Results File: NP091101.RES

Method : C:\HPCHEM\1\METHODS\NP101901.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Last Update : Tue Oct 23 10:12:13 2001
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\OCT1701\23993.D Vial: 17
Acq On : 18 Oct 2001 4:53 am Operator: 209 GALOS
Sample : gc/ms unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\NP101901.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
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

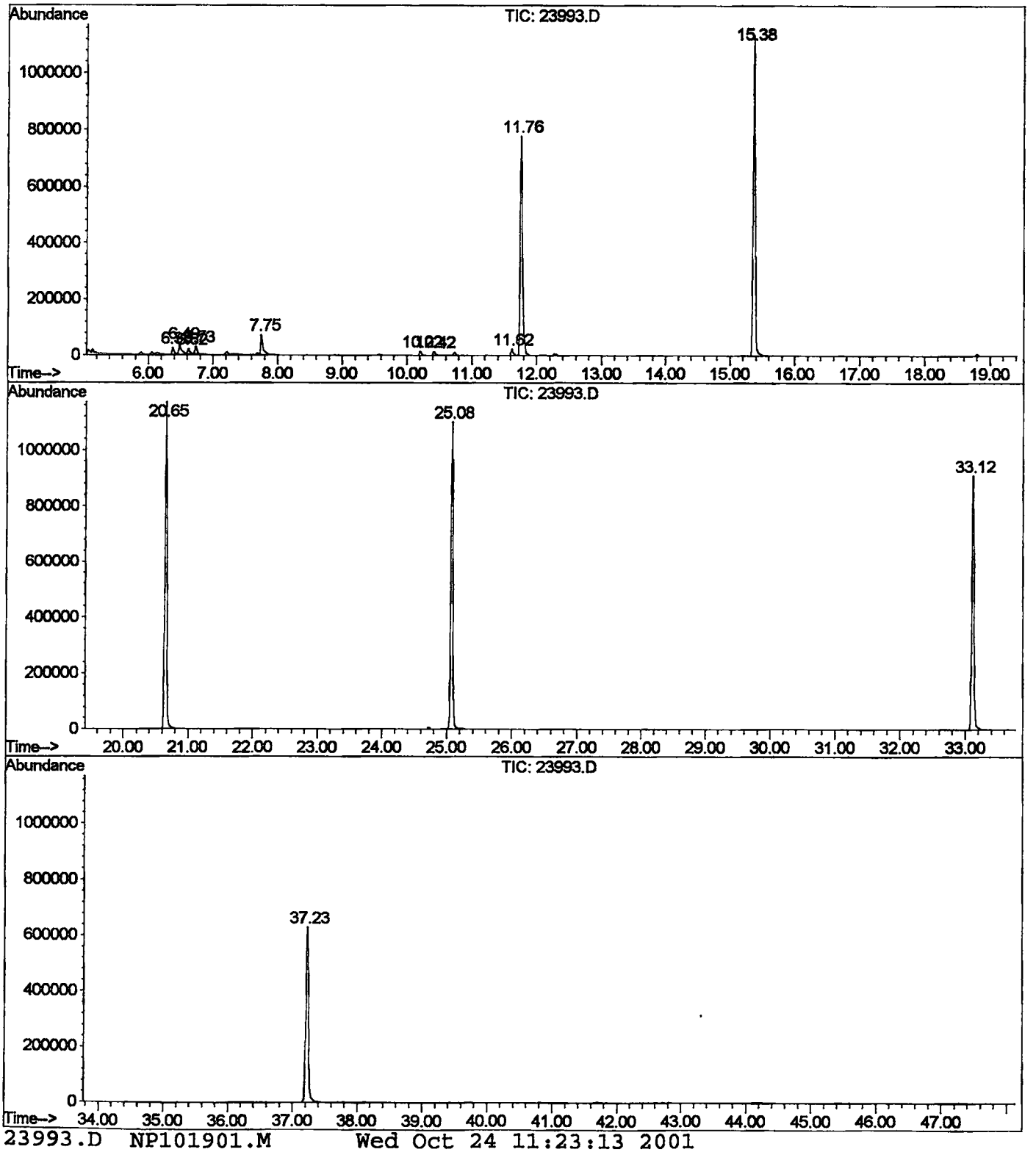
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	6.379	142	146	152	rBV	24214	47772	1.87%	0.348%
2	6.489	152	158	169	rVV	39763	107281	4.21%	0.781%
3	6.617	169	172	180	rVV	20013	46432	1.82%	0.338%
4	6.727	181	184	196	rVB	27008	62004	2.43%	0.451%
5	7.747	292	295	312	rBV	70540	177814	6.97%	1.295%
6	10.216	560	564	571	rVB	13421	28727	1.13%	0.209%
7	10.418	582	586	596	rBV	12215	28034	1.10%	0.204%
8	11.621	712	717	727	rBV	22400	47557	1.87%	0.346%
9	11.758	727	732	747	rBV	776471	1852308	72.65%	13.486%
10	15.375	1119	1126	1143	rBV	1134362	2521484	98.90%	18.357%
11	20.654	1694	1701	1712	rBV	1171064	2549470	100.00%	18.561%
12	25.079	2176	2183	2195	rBV2	1100208	2386585	93.61%	17.375%
13	33.121	3051	3059	3076	rBV2	911420	2113752	82.91%	15.389%
14	37.234	3499	3507	3522	rBV2	627912	1766294	69.28%	12.859%

Sum of corrected areas: 13735514

23993.D NP101901.M Wed Oct 24 11:23:11 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\OCT1701\23993.D
Operator : 209 GALOS
Acquired : 18 Oct 2001 4:53 am using AcqMethod NP091101
Instrument : GC/MS 209
Sample Name: gc/ms unknown
Misc Info :
Vial Number: 17
Quant File :NP091101.RES (RTE Integrator)



23993.D NP101901.M Wed Oct 24 11:23:13 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\OCT1701\23993.D
Acq On : 18 Oct 2001 4:53 am
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 17
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

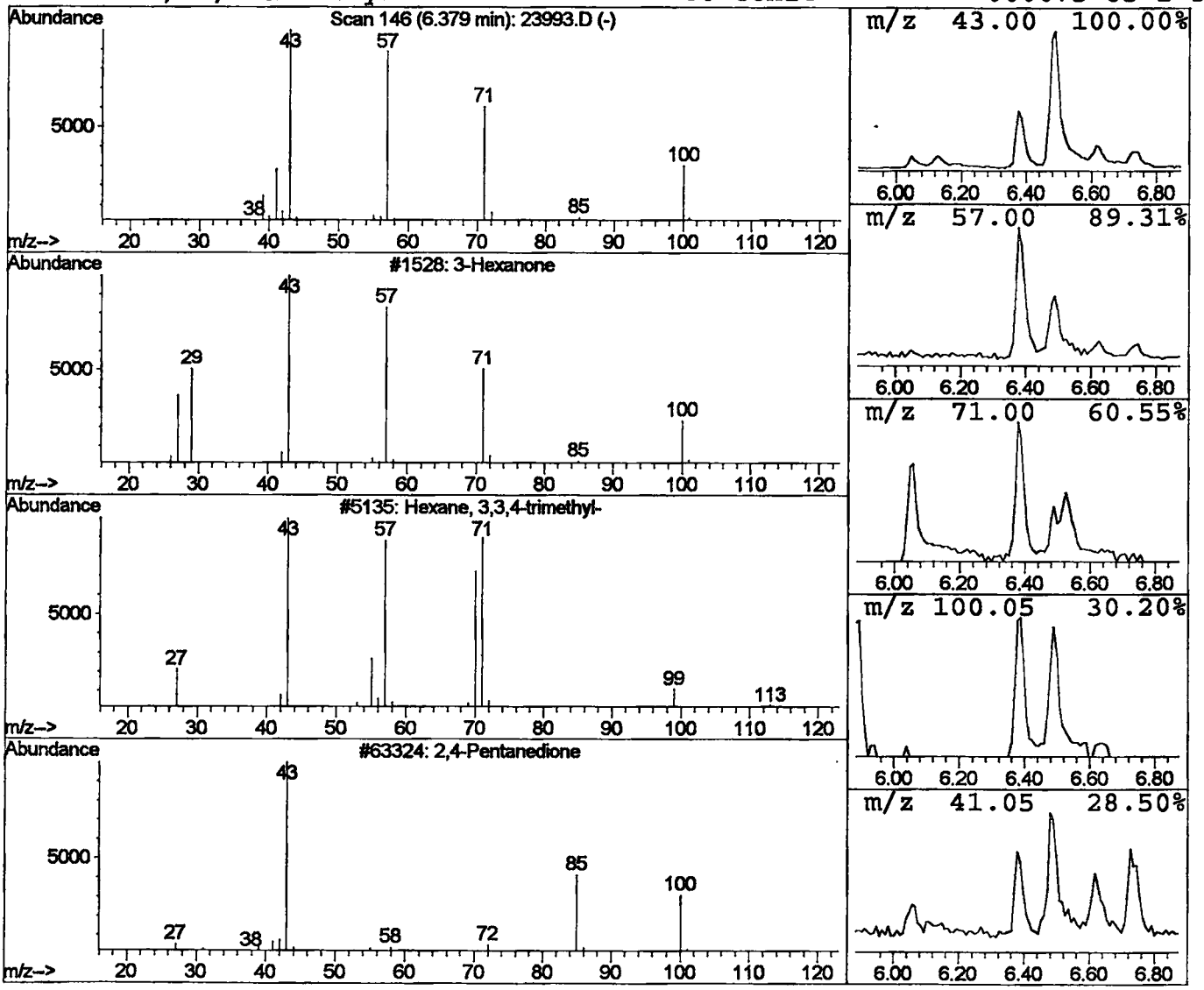
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 3-Hexanone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.38	0.52 ug/l	47772	1,4-Dichlorobenzene-d4	11.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexanone	100	C6H12O	000589-38-8	91
2	Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	53
3	2,4-Pentanedione	100	C5H8O2	000123-54-6	38
4	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	33



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\OCT1701\23993.D
Acq On : 18 Oct 2001 4:53 am
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 17
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

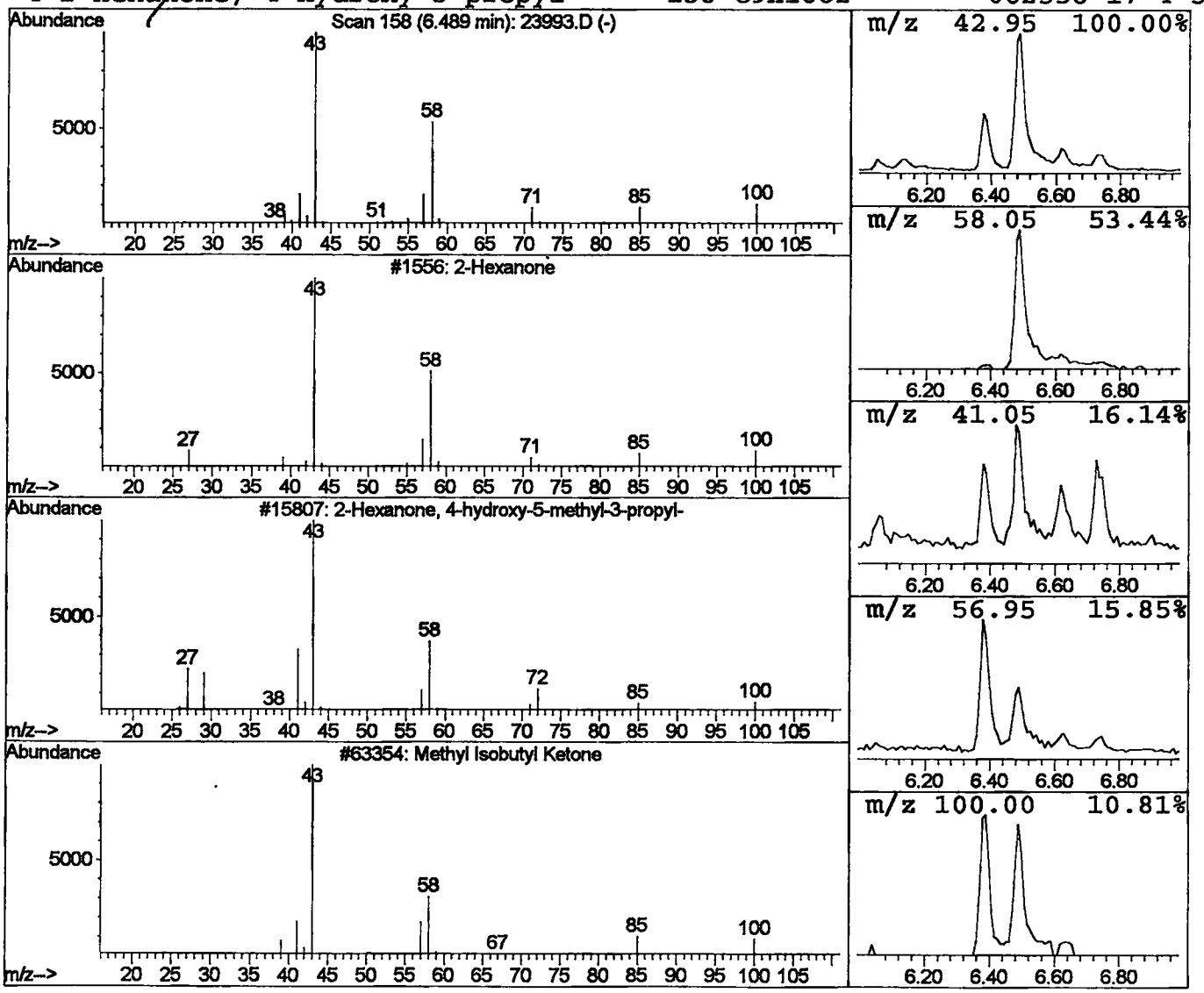
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 2-Hexanone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.49	1.16 ug/l	107281	1,4-Dichlorobenzene-d4	11.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanone	100	C6H12O	000591-78-6	91
2	2-Hexanone, 4-hydroxy-5-methyl-3-pr	172	C10H20O2	061141-74-0	78
3	Methyl Isobutyl Ketone	100	C6H12O	000108-10-1	58
4	2-Hexanone, 4-hydroxy-3-propyl-	158	C9H18O2	062338-17-4	56



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\OCT1701\23993.D
Acq On : 18 Oct 2001 4:53 am
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 17
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

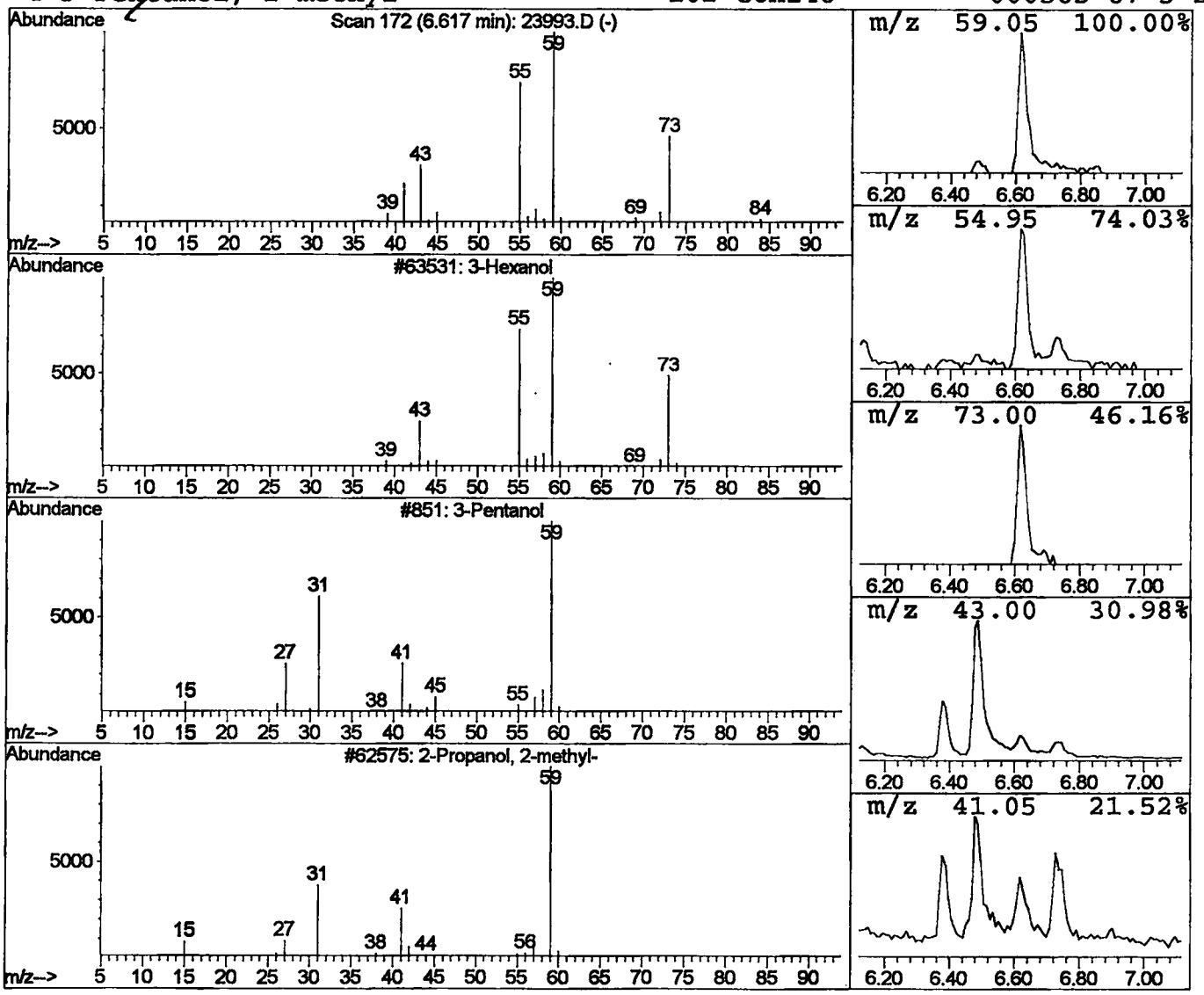
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

****

Peak Number 3 3-Hexanol — Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	0.50 ug/l	46432	1,4-Dichlorobenzene-d4	11.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexanol	102	C6H14O	000623-37-0	83
2	3-Pentanol	88	C5H12O	000584-02-1	36
3	2-Propanol, 2-methyl-	74	C4H10O	000075-65-0	33
4	3-Pentanol, 2-methyl-	102	C6H14O	000565-67-3	25



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\OCT1701\23993.D
Acq On : 18 Oct 2001 4:53 am
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 17
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

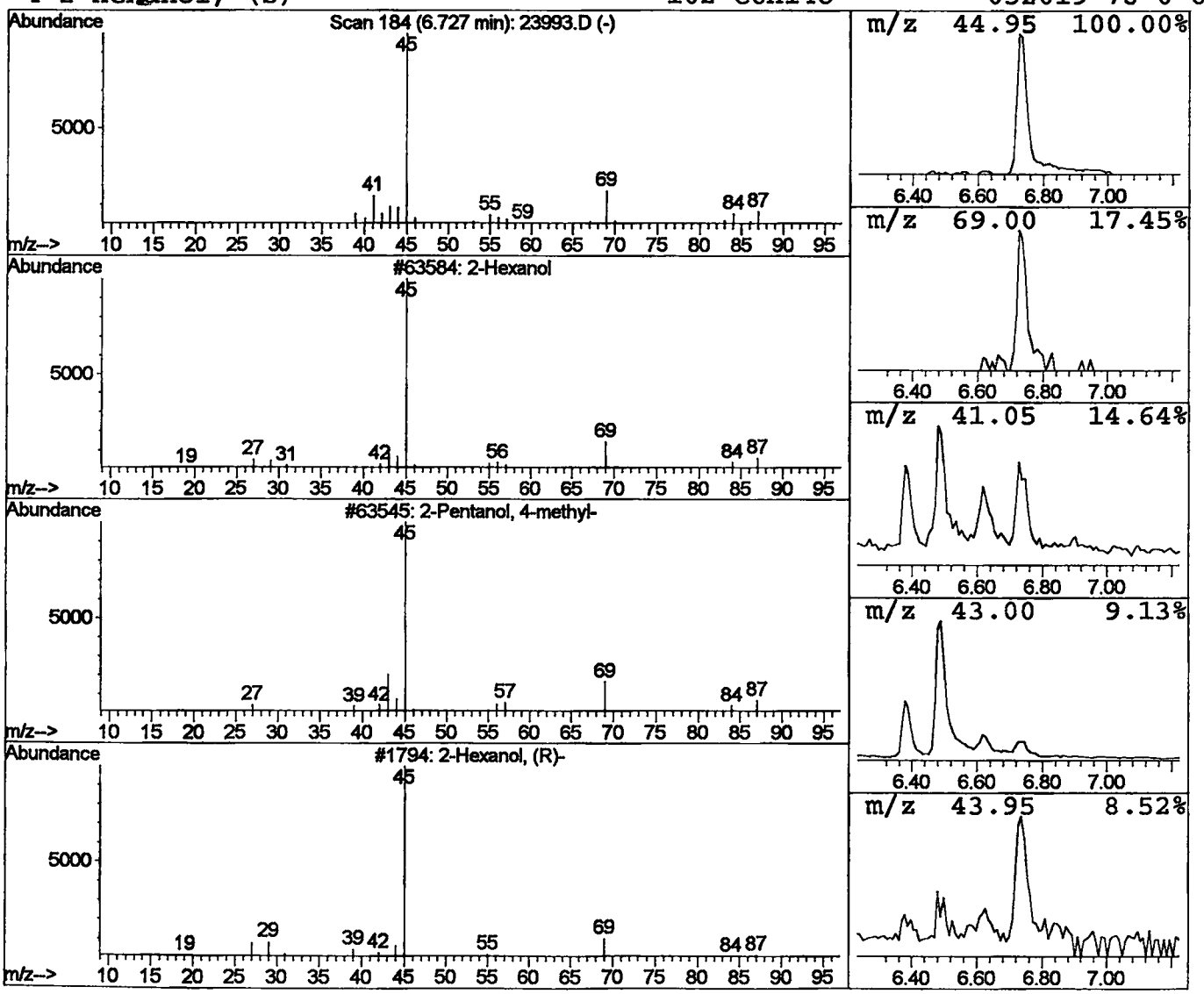
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

****

Peak Number 4 2-Hexanol — Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.73	0.67 ug/l	62004	1,4-Dichlorobenzene-d4	11.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanol	102	C6H14O	000626-93-7	83
2	2-Pentanol, 4-methyl-	102	C6H14O	000108-11-2	78
3	2-Hexanol, (R)-	102	C6H14O	026549-24-6	64
4	2-Hexanol, (S)-	102	C6H14O	052019-78-0	64



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\OCT1701\23993.D
Acq On : 18 Oct 2001 4:53 am
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 17
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

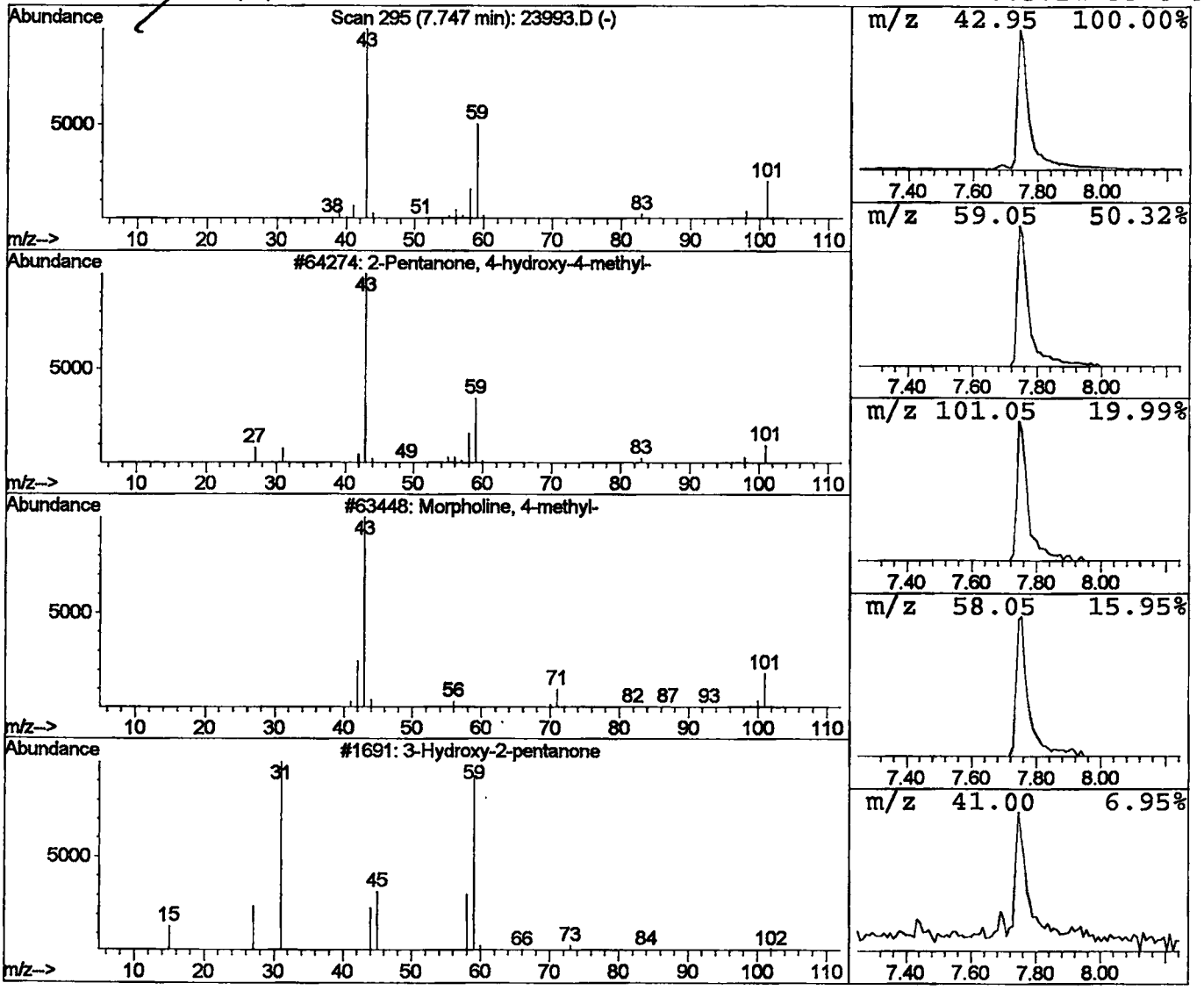
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

****

Peak Number 5 2-Pentanone, 4-hydroxy-4-methy Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.75	1.92 ug/l	177814	1,4-Dichlorobenzene-d4	11.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
3	3-Hydroxy-2-pentanone	102	C5H10O2	003142-66-3	9
4	CH2=CHCH2C(O)OCH3	100	C5H8O2	003724-55-8	9



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\OCT1701\23993.D
Acq On : 18 Oct 2001 4:53 am
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 17
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

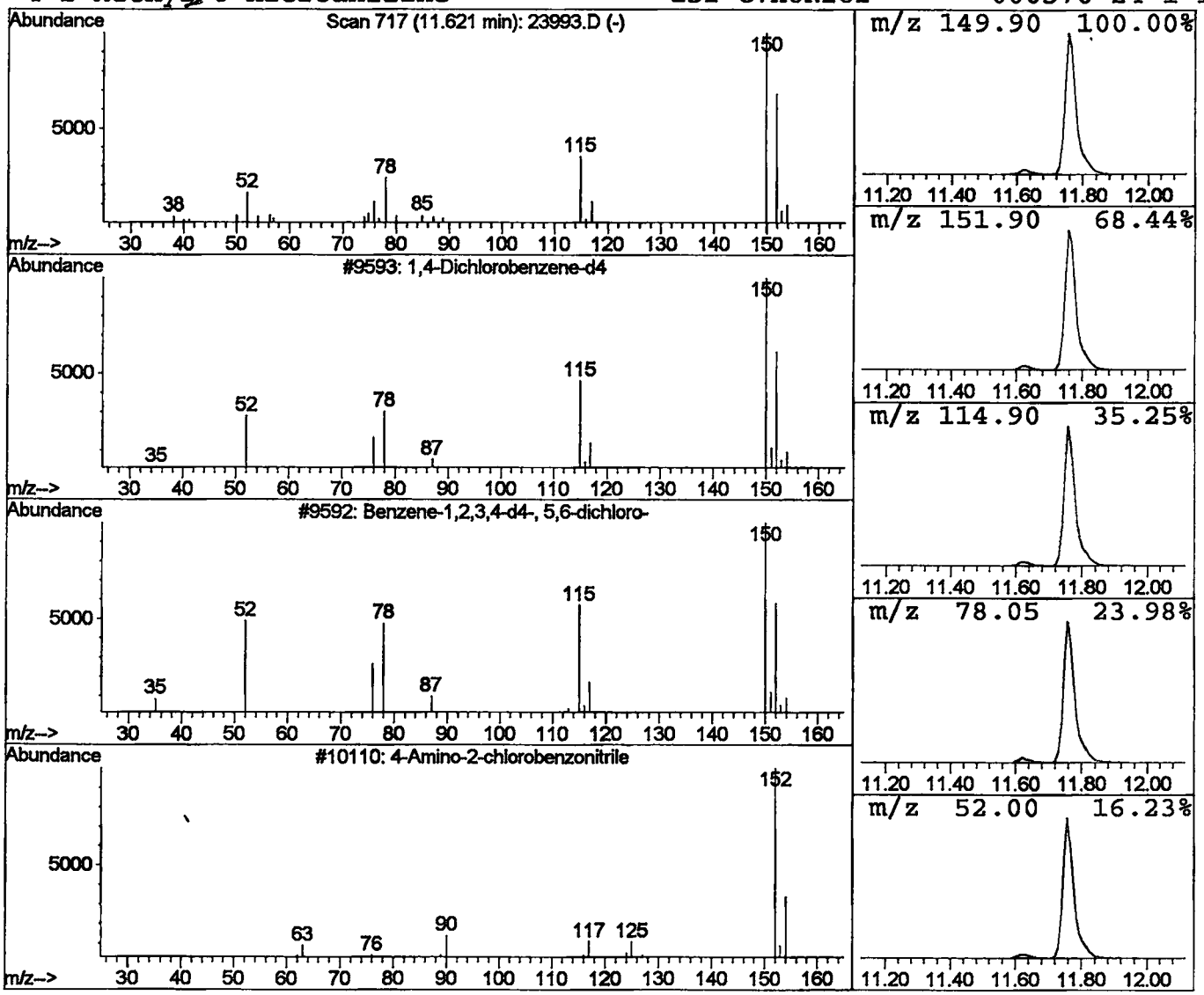
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

****

Peak Number 6 1,4-Dichlorobenzene-d4 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.62	0.51 ug/l	47557	1,4-Dichlorobenzene-d4	11.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Dichlorobenzene-d4	150	C6Cl2D4	003855-82-1	50
2	Benzene-1,2,3,4-d4-, 5,6-dichloro-	150	C6Cl2D4	002199-69-1	33
3	4-Amino-2-chlorobenzonitrile	152	C7H5ClN2	020925-27-3	10
4	2-Methyl-6-nitroaniline	152	C7H8N2O2	000570-24-1	10



Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 18 Oct 2001 4:53 am
Data File: C:\HPCHEM\1\DATA\OCT1701\23993.D
Name: gc/ms unknown
Misc:
Method: C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title: 209 625/TCLP calibration table 7/16/01
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
3-Hexanone	6.38	0.5	ug/l	47772	ISTD01	11.76	1852310	20.0
2-Hexanone	6.49	1.2	ug/l	107281	ISTD01	11.76	1852310	20.0
3-Hexanol	6.62	0.5	ug/l	46432	ISTD01	11.76	1852310	20.0
2-Hexanol	6.73	0.7	ug/l	62004	ISTD01	11.76	1852310	20.0
2-Pentanone, 4-hydro	7.75	1.9	ug/l	177814	ISTD01	11.76	1852310	20.0
1,4-Dichlorobenzene-	11.62	0.5	ug/l	47557	ISTD01	11.76	1852310	20.0

23993.D NP101901.M Wed Oct 24 11:23:29 2001