User: Galos, Marie
Westchester Dept. of Labs & Research
Date: 11/05/2001 Time: 07:29:26

Sample: AD24237
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 11/5/01 07:27 Ended: 11/5/01 07:27 Analyst: MG
Page: 1

	Component Name	Vial	Result
1	Other unknown compounds		see comment

NYC 9/11 Public Portal Document

Comments for Sample AD24237 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Galos, Marie
Date: 11-05-2001 Time: 07:30:09

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.

NYC 9/11 Public Portal Document

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\OCT3101\24237.D Vial: 4
Acq On : 31 Oct 2001 7:02 pm Operator: 209 GALOS
Sample : gc/ms unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 1 11:37 2001 Quant Results File: NP101901.RES

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	11.71	152	526415	20.00	ug/l	0.00
19) Naphthalene-d8	15.32	136	2100805	20.00	ug/l	0.00
31) Acenaphthene-d10	20.60	164	1021961	20.00	ug/l	0.00
49) Phenanthrene-d10	25.02	188	1514508	20.00	ug/l	-0.02
59) Chrysene-d12	33.06	240	985151	20.00	ug/l	0.00
68) Perylene-d12	37.15	264	691551	20.00	ug/l	0.00
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	12.23	152	5597	0.28	ug/l	-0.02
Spiked Amount 50.000			Recovery =	0.56%		
20) Nitrobenzene-d5	0.00	82	0	0.00	ug/l	
Spiked Amount 50.000			Recovery =	0.00%		
32) 2-Fluorobiphenyl	18.75	172	1971	0.04	ug/l	0.13
Spiked Amount 50.000			Recovery =	0.08%		
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

NYC-WTC_000068103

NYC 9/11 Public Portal Document

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\OCT3101\24237.D Vial: 4
Acq On : 31 Oct 2001 7:02 pm Operator: 209 GALOS
Sample : gc/ms unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 1 11:37 2001 Quant Results File: NP101901.RES

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

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	20.86	165	279	N.D.	
45) Diethylphthalate	0.00	149	0	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	25.02	178	439	N.D.	
56) Anthracene	25.02	178	438	N.D.	
57) Di-n-butylphthalate	27.03	149	3226	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	33.06	228	2633	N.D.	
66) Bis(2-ethylhexyl)phthalate	33.32	149	795	N.D.	
67) Chrysene	33.06	228	2633	N.D.	
69) Di-n-Octylphthalate	0.00	149	0	N.D.	
70) Benzo(b)fluoranthene	36.15	252	383	N.D.	

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

NYC-WTC_000068104

NYC 9/11 Public Portal Document

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\OCT3101\24237.D Vial: 4
Acq On : 31 Oct 2001 7:02 pm Operator: 209 GALOS
Sample : gc/ms unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 1 11:37 2001 Quant Results File: NP101901.RES

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

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
71)	Benzo(k)fluoranthene	36.15	252	209	N.D.	
72)	Benzo(a)pyrene	37.16	252	2911	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

NYC-WTC_000068105

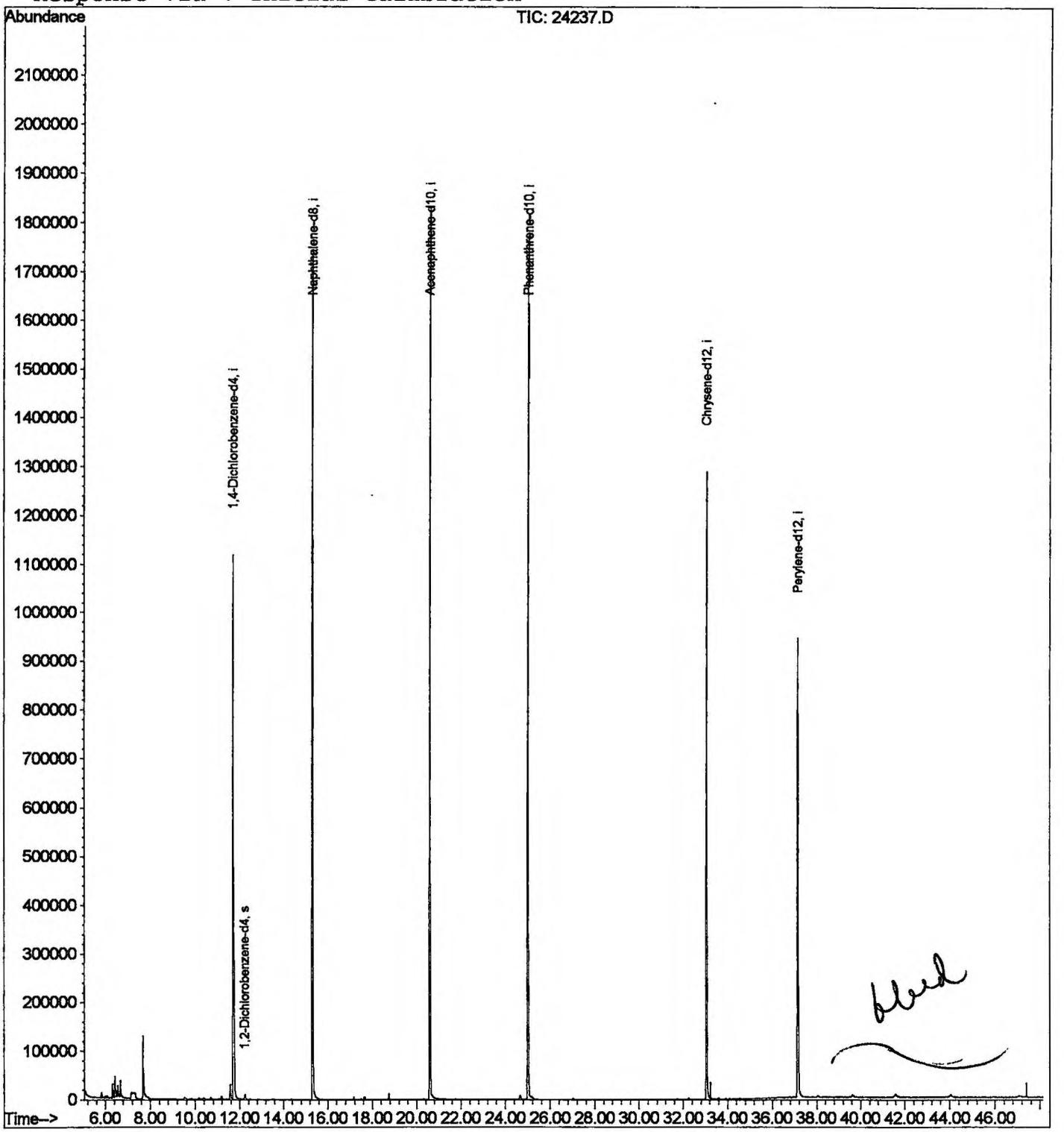
NYC 9/11 Public Portal Document

Quantitation Report

Data File : C:\HPCHEM\1\DATA\OCT3101\24237.D
Acq On : 31 Oct 2001 7:02 pm
Sample : gc/ms unknown
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 1 11:37 2001

Vial: 4
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00
Quant Results File: NP101901.RES

Method : C:\HPCHEM\1\METHODS\NP103001.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Thu Nov 01 10:28:09 2001
Response via : Initial Calibration



NYC-WTC_000068106

NYC 9/11 Public Portal Document

LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\OCT3101\24237.D Vial: 4
Acq On : 31 Oct 2001 7:02 pm 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\NP103001.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	6.326	136	140	147	rBV	29646	60676	1.51%	0.290%
2	6.427	147	151	160	rVV2	45883	116537	2.90%	0.558%
3	6.555	162	165	174	rVV	25430	63394	1.58%	0.303%
4	6.675	174	178	190	rVB	34283	76090	1.90%	0.364%
5	7.694	285	289	301	rBV	129407	332297	8.28%	1.590%
6	11.577	707	712	721	rBV	30294	74341	1.85%	0.356%
7	11.715	721	727	746	rBV	1118545	2772609	69.06%	13.268%
8	15.323	1114	1120	1136	rBV	1743541	3842724	95.72%	18.389%
9	20.601	1688	1695	1707	rBV	1832635	4014524	100.00%	19.212%
10	25.017	2170	2176	2188	rBV2	1771674	3827955	95.35%	18.319%
11	33.059	3045	3052	3064	rBV2	1288684	3141527	78.25%	15.034%
12	37.153	3489	3498	3517	rBV	942526	2573726	64.11%	12.317%

Sum of corrected areas: 20896400

24237.D NP103001.M Fri Nov 02 11:57:27 2001

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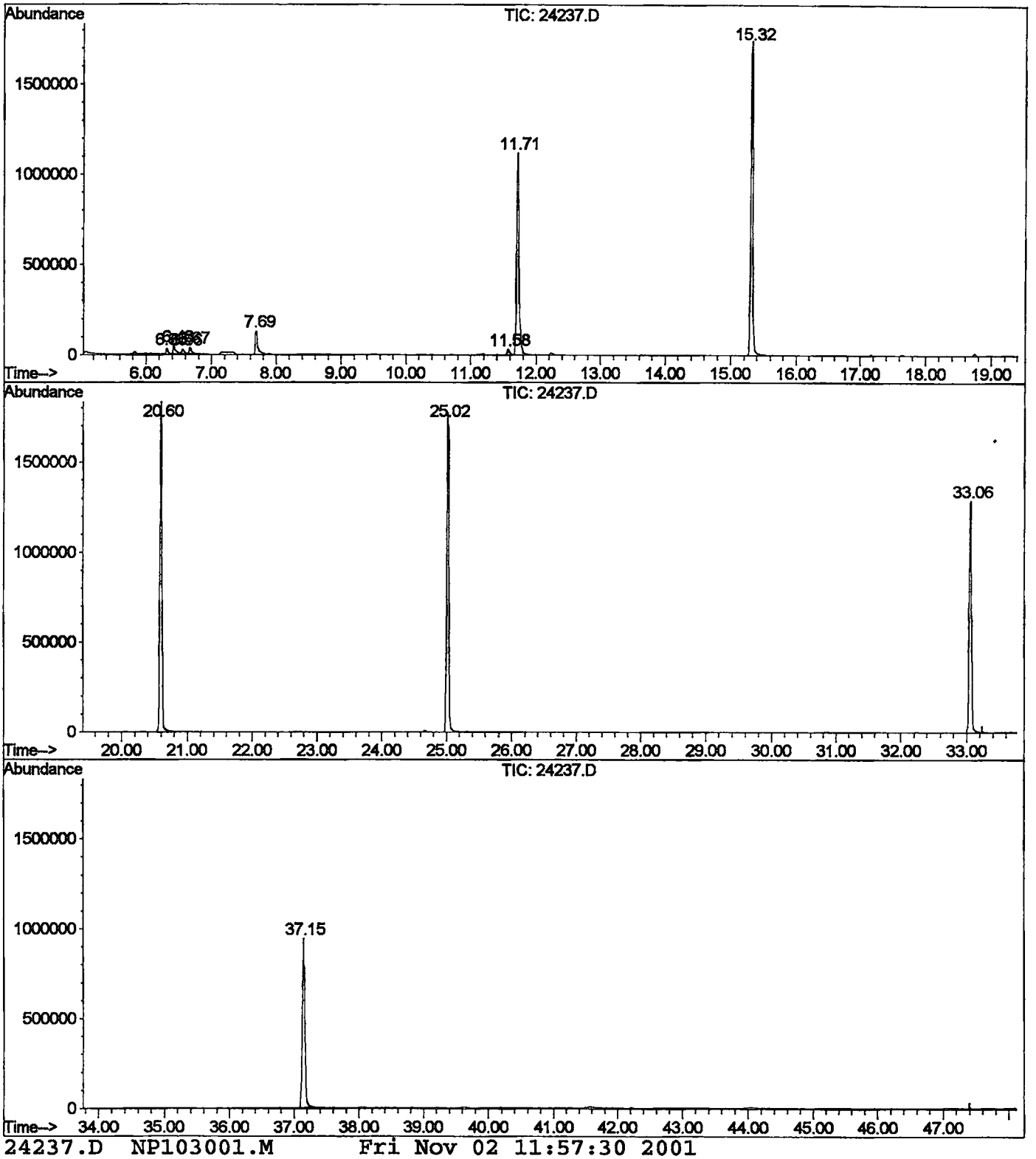
LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\OCT3101\24237.D
Operator : 209 GALOS
Acquired : 31 Oct 2001 7:02 pm using AcqMethod NP101901
Instrument : GC/MS 209
Sample Name: gc/ms unknown
Misc Info :
Vial Number: 4
Quant File :NP101901.RES (RTE Integrator)



24237.D NP103001.M Fri Nov 02 11:57:30 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\OCT3101\24237.D
Acq On : 31 Oct 2001 7:02 pm
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 4
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

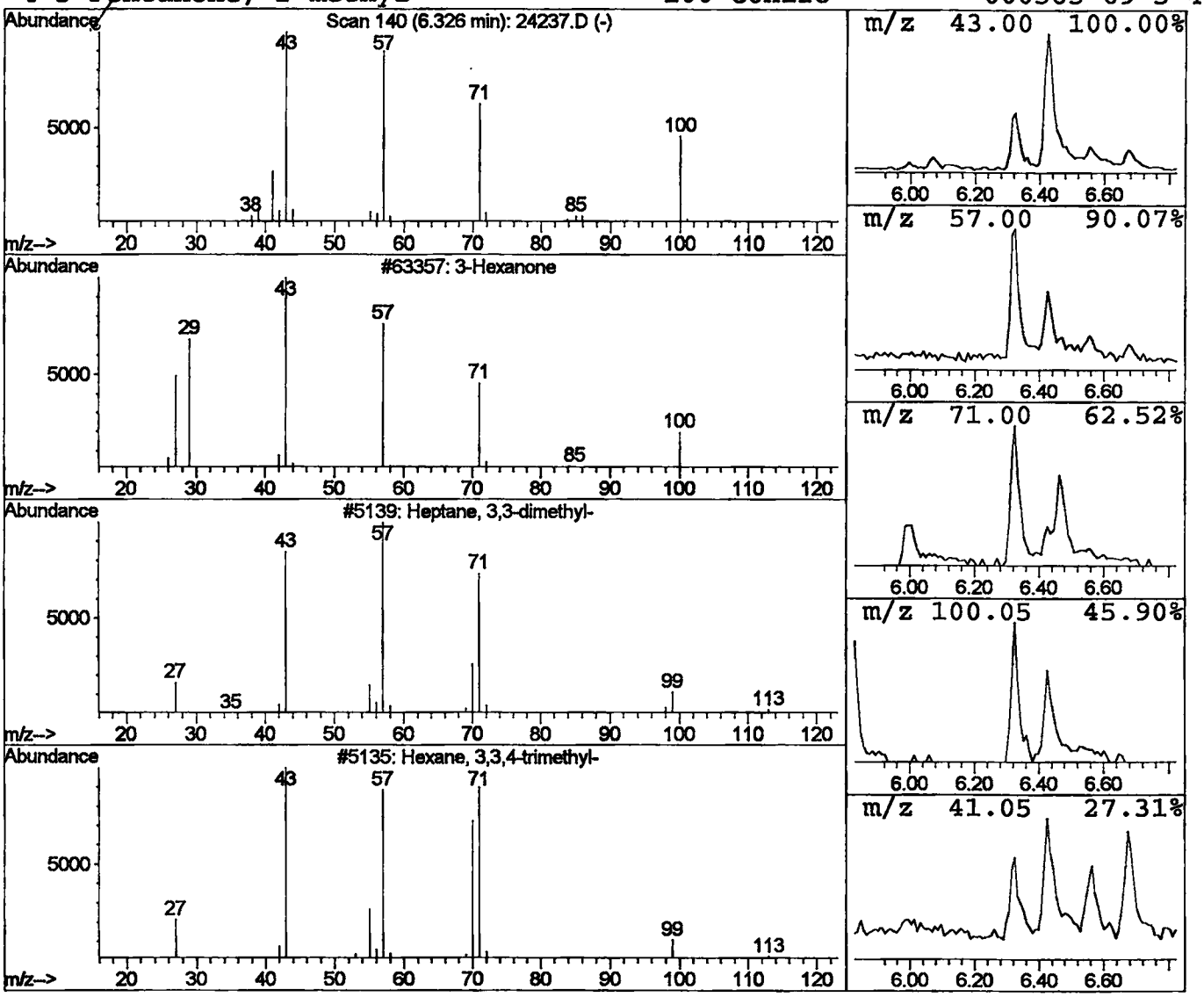
Quant Method : C:\HPCHEM\1\METHODS\NP101901.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 3-Hexanone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.33	0.44 ug/l	60676	1,4-Dichlorobenzene-d4	11.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexanone	100	C6H12O	000589-38-8	64
2	Heptane, 3,3-dimethyl-	128	C9H20	004032-86-4	47
3	Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	47
4	3-Pentanone, 2-methyl-	100	C6H12O	000565-69-5	47



NYC 9/11 Public Portal Document

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\OCT3101\24237.D
Acq On : 31 Oct 2001 7:02 pm
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 4
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

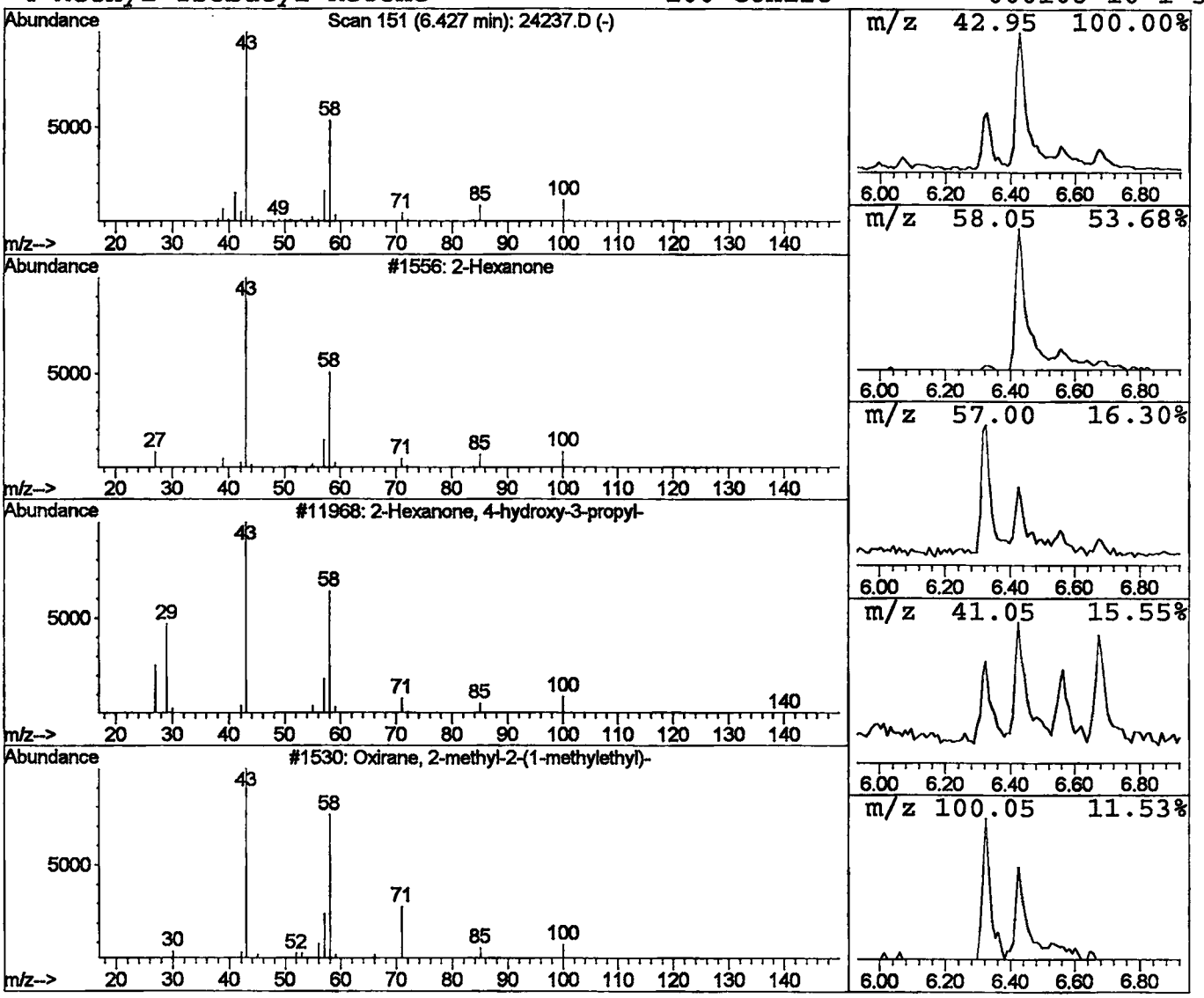
Quant Method : C:\HPCHEM\1\METHODS\NP101901.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 2-Hexanone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.43	0.84 ug/l	116537	1,4-Dichlorobenzene-d4	11.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanone	100	C6H12O	000591-78-6	91
2	2-Hexanone, 4-hydroxy-3-propyl-	158	C9H18O2	062338-17-4	64
3	Oxirane, 2-methyl-2-(1-methylethyl)	100	C6H12O	072221-03-5	59
4	Methyl Isobutyl Ketone	100	C6H12O	000108-10-1	52



NYC-WTC_000068110

NYC 9/11 Public Portal Document

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\OCT3101\24237.D
Acq On : 31 Oct 2001 7:02 pm
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 4
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

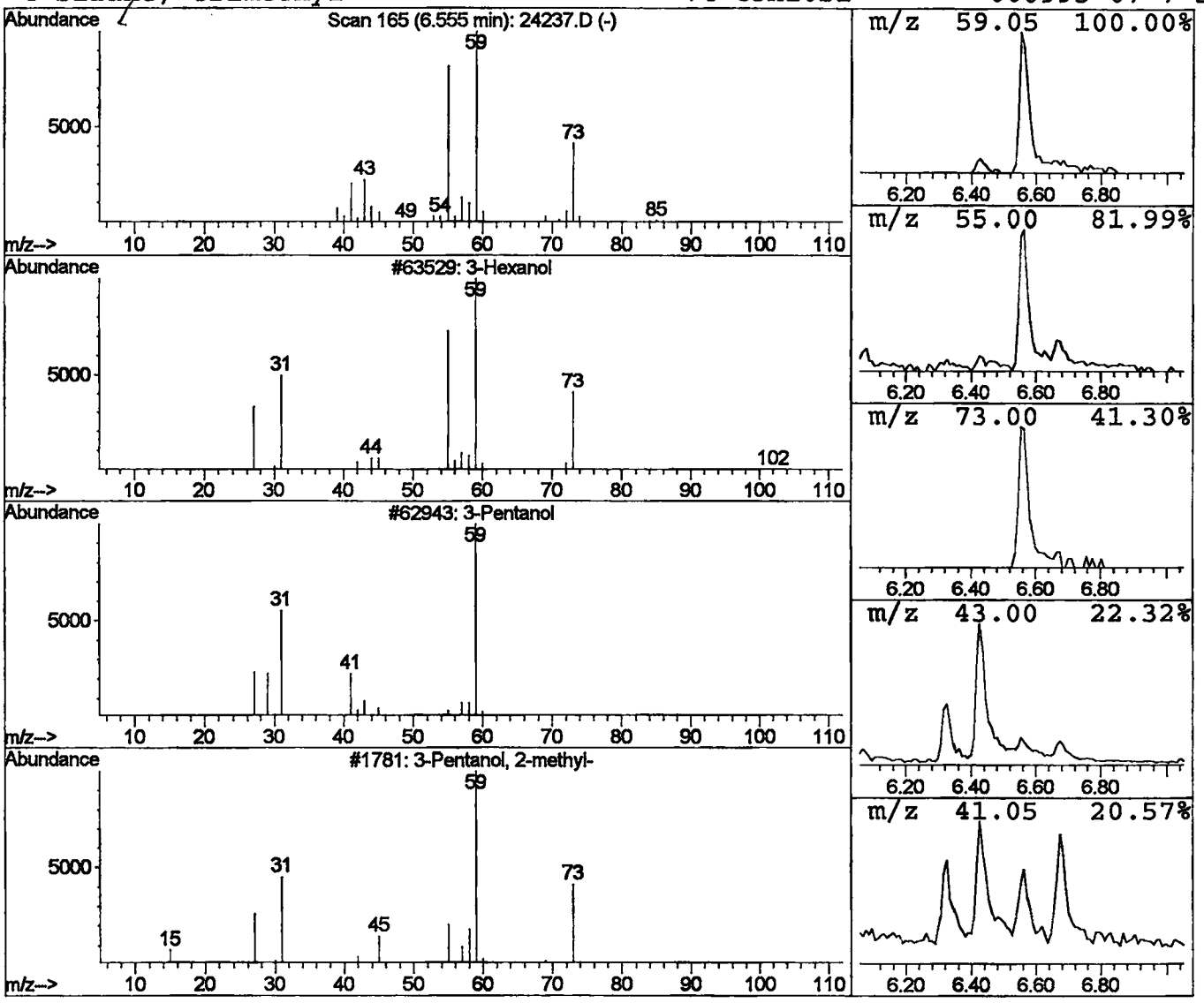
Quant Method : C:\HPCHEM\1\METHODS\NP101901.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 3 3-Hexanol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.56	0.46 ug/l	63394	1,4-Dichlorobenzene-d4	11.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexanol	102	C6H14O	000623-37-0	74
2	3-Pentanol	88	C5H12O	000584-02-1	38
3	3-Pentanol, 2-methyl-	102	C6H14O	000565-67-3	36
4	Silane, trimethyl-	74	C3H10Si	000993-07-7	32



NYC-WTC_000068111

NYC 9/11 Public Portal Document

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\OCT3101\24237.D
Acq On : 31 Oct 2001 7:02 pm
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 4
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

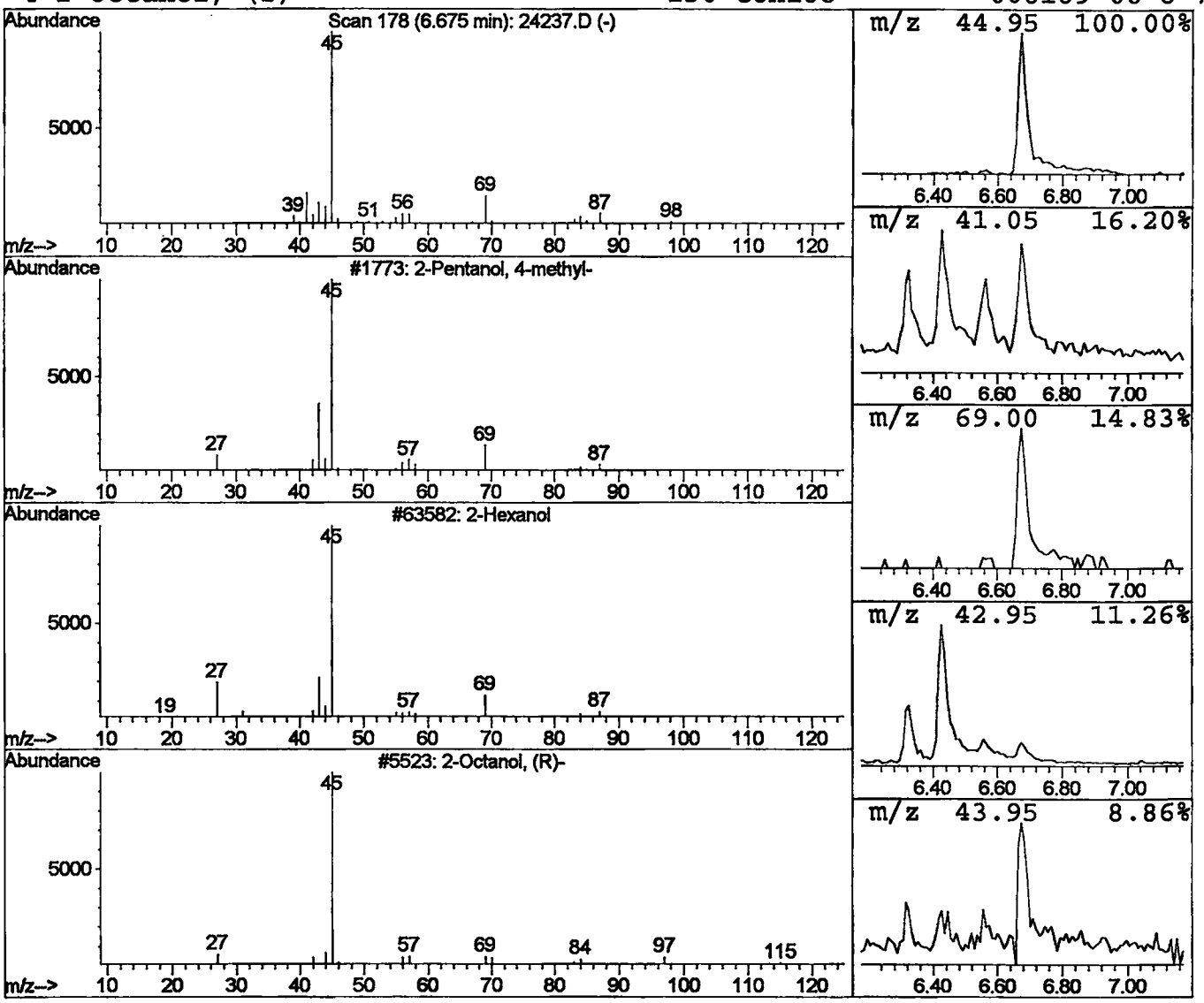
Quant Method : C:\HPCHEM\1\METHODS\NP101901.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 4 2-Pentanol, 4-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.67	0.55 ug/l	76090	1,4-Dichlorobenzene-d4	11.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanol, 4-methyl-	102	C6H14O	000108-11-2	83
2	2-Hexanol	102	C6H14O	000626-93-7	78
3	2-Octanol, (R)-	130	C8H18O	005978-70-1	72
4	2-Octanol, (S)-	130	C8H18O	006169-06-8	72



NYC-WTC_000068112

NYC 9/11 Public Portal Document

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\OCT3101\24237.D
Acq On : 31 Oct 2001 7:02 pm
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 4
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

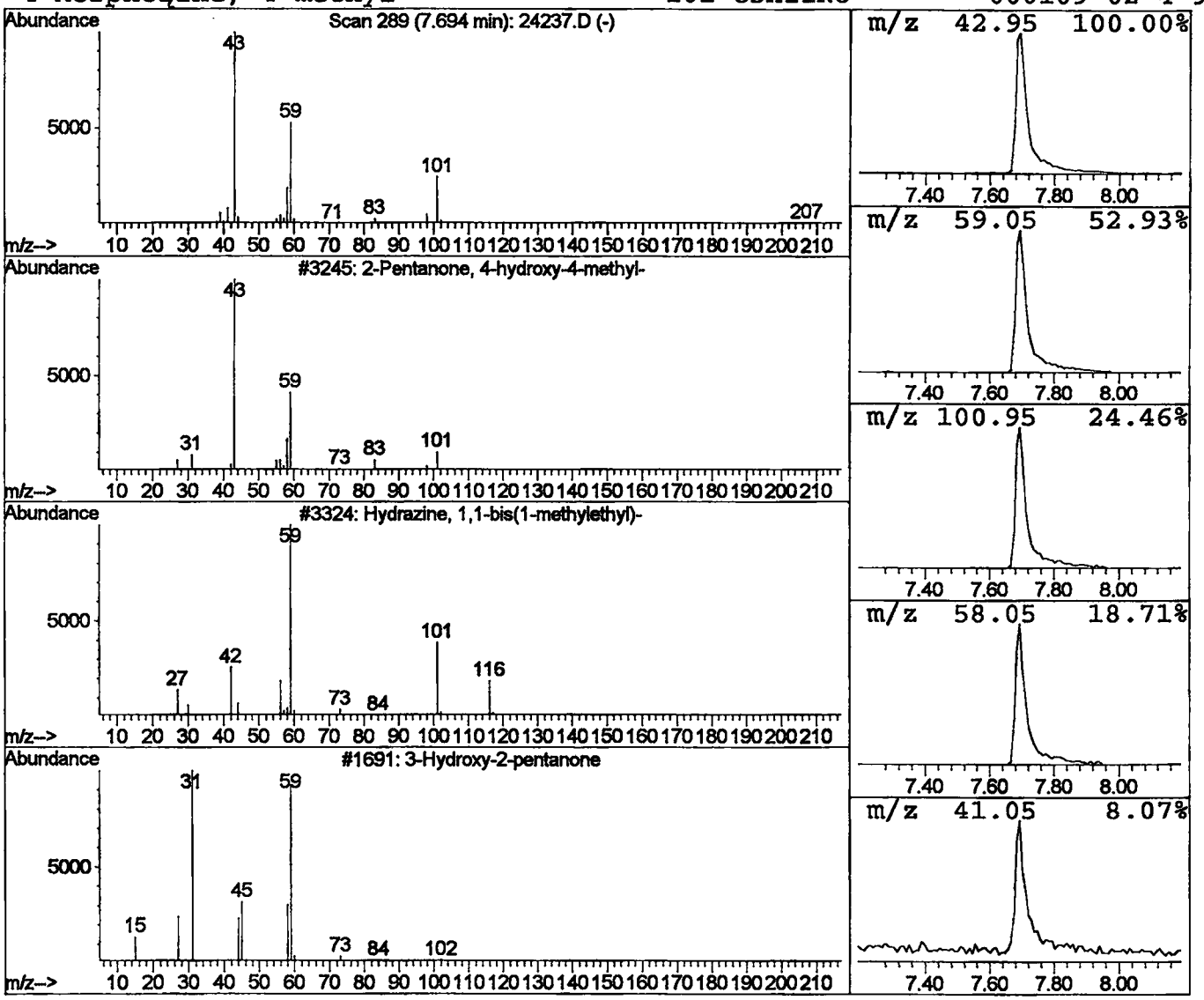
Quant Method : C:\HPCHEM\1\METHODS\NP101901.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.69	2.40 ug/l	332297	1,4-Dichlorobenzene-d4	11.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	39
2	Hydrazine, 1,1-bis(1-methylethyl)-	116	C6H16N2	000921-14-2	28
3	3-Hydroxy-2-pentanone	102	C5H10O2	003142-66-3	9
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9



NYC-WTC_000068113

NYC 9/11 Public Portal Document

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\OCT3101\24237.D
Acq On : 31 Oct 2001 7:02 pm
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 4
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

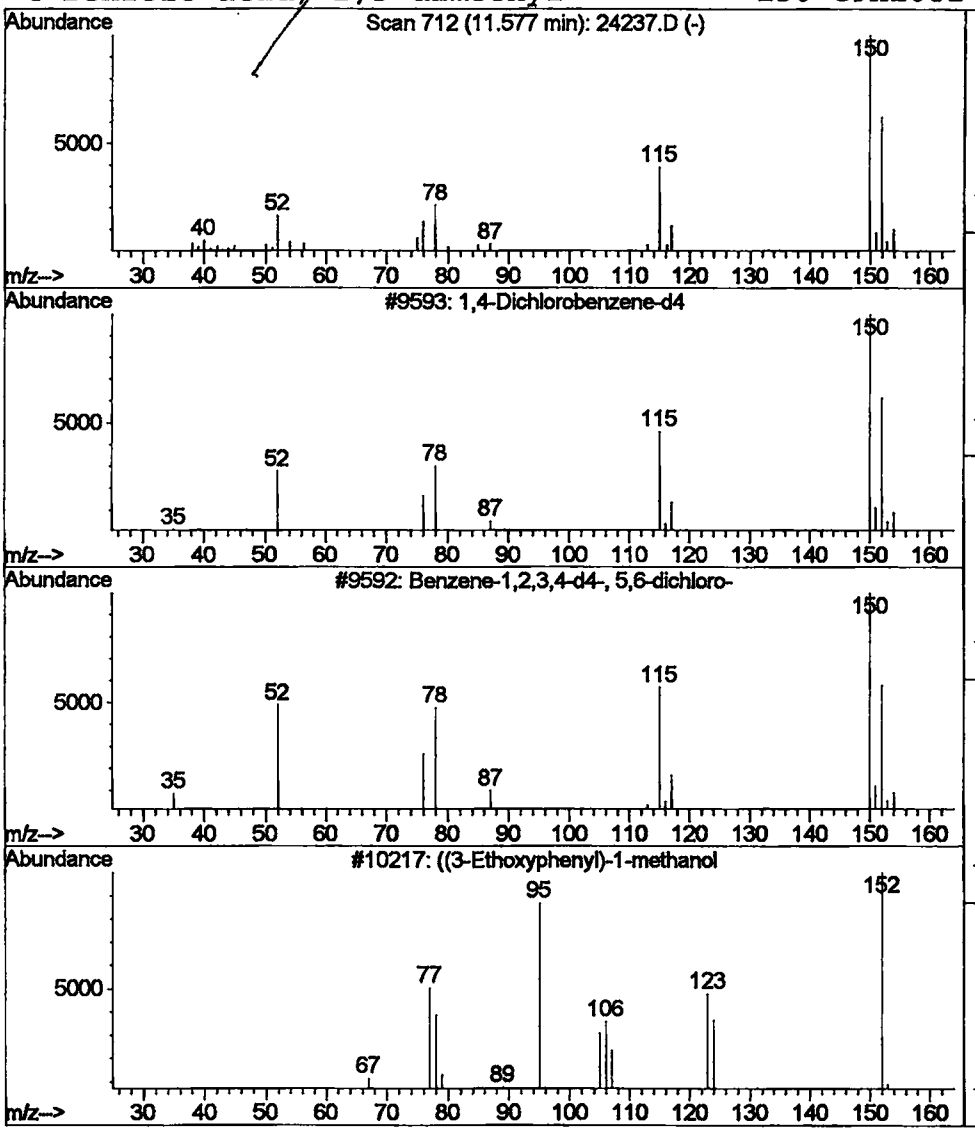
Quant Method : C:\HPCHEM\1\METHODS\NP101901.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.58	0.54 ug/l	74341	1,4-Dichlorobenzene-d4	11.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Dichlorobenzene-d4	150	C6Cl2D4	003855-82-1	53
2	Benzene-1,2,3,4-d4-, 5,6-dichloro-	150	C6Cl2D4	002199-69-1	38
3	((3-Ethoxyphenyl)-1-methanol	152	C9H12O2	000000-00-0	10
4	Benzoic acid, 2,5-dimethyl-	150	C9H10O2	000610-72-0	9



NYC-WTC_000068114

NYC 9/11 Public Portal Document

Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 31 Oct 2001 7:02 pm
Data File: C:\HPCHEM\1\DATA\OCT3101\24237.D
Name: gc/ms unknown
Misc:
Method: C:\HPCHEM\1\METHODS\NP101901.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
3-Hexanone	6.33	0.4	ug/l	60676	ISTD01	11.71	2772610	20.0
2-Hexanone	6.43	0.8	ug/l	116537	ISTD01	11.71	2772610	20.0
3-Hexanol	6.56	0.5	ug/l	63394	ISTD01	11.71	2772610	20.0
2-Pentanol, 4-methyl	6.67	0.5	ug/l	76090	ISTD01	11.71	2772610	20.0
2-Pentanone, 4-hydro	7.69	2.4	ug/l	332297	ISTD01	11.71	2772610	20.0
1,4-Dichlorobenzene-	11.58	0.5	ug/l	74341	ISTD01	11.71	2772610	20.0

24237.D NP103001.M Fri Nov 02 11:57:45 2001

Comments for Sample AD24237 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 11-07-2001 Time: 15:21:42

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. However, 1,2-Dichlorobenzene-d4 is present at 0.28 ug/L, probably due to laboratory contamination since it is a Surrogate Standard used in GCMS methods.