Method 508 GCMS Date Extracted 11/15/01 Page ______

Lab #	Description	Sample vol/wt	Drip rate ml/min	Surr add	Spk add	IS add	Final vol.	T.V. pos.	pH	Count		
	Lab blk	500ml		✓ 1ml			2ml		=7			
	27544											
	27545											
	27546											
	27547											
	27548											
	27549											
	27550											
	27569											
	27571											
	27570											
	Ref Pest dil											
	Ref TOX.											
27546	Spk chl											
27546	Spk dup chl											
27547	Spk tox											
27547	Spk dup tox											
27550	Spk pest											
27550	Spk dup pest											
	PRL 1221											

Reviewed by, JP 5/1/02

Remarks

drip rate must be between 5-15 ml/min for liq-liq extractors drip rate -

Extraction type - Solv.lot# NaCl lot# Na2SO4 lot#

STANDARD	INT STD LOG#
CALIBRATION	
REF/SPIKE	
MDL/MDRF	
Q. CHECK	
INT. STD.	
SURROGATE	
LPC	
ENDRIN/DDT	

Analyst A.D.
revision 4/12/01

Verified by ________

Reviewed by DN
Date 12/26/01

Sequence Name: C:\HPCHEM\1\SEQUENCE\DEC1301.S
Comment: 208
Operator: GALOS
Data Path: C:\HPCHEM\1\DATA\dec1301\
Pre-Seq Cmd:
Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Line	Type	Vial	DataFile	Method	Sample Name
1	Sample	1	DFTPP	NP112701	
2	Sample	2	LB	NP112701	gcms unknown 11/15
3	Sample	3	27544	NP112701	gcms unknown 11/15
4	Sample	4	27545	NP112701	gcms unknown 11/15
5	Sample	5	27546	NP112701	gcms unknown 11/15
6	Sample	6	27547	NP112701	gcms unknown 11/15
7	Sample	7	27548	NP112701	gcms unknown 11/15
8	Sample	8	27549	NP112701	gcms unknown 11/15
9	Sample	9	27550	NP112701	gcms unknown 11/15
10	Sample	10	27569	NP112701	gcms unknown 11/15
11	Sample	11	27571	NP112701	gcms unknown 11/15
12	Sample	12	27570	NP112701	gcms unknown 11/15
13	Sample	13	27390	NP112701	gcms unknown 11/14
14	Sample	14	27391	NP112701	gcms unknown 11/14
15	Sample	15	27392	NP112701	gcms unknown 11/14
16	Sample	16	27393	NP112701	gcms unknown 11/14
17	Sample	17	27394	NP112701	gcms unknown 11/14
18	Sample	18	27395	NP112701	gcms unknown 11/14
19	Sample	19	27490	NP112701	gcms unknown 11/14
20	Sample	20	27491	NP112701	gcms unknown 11/14
21	Sample	21	27492	NP112701	gcms unknown 11/14

Last Modified: Fri Dec 14 08:00:48 2001 Page: 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DEC1301\LB.D
Acq On : 13 Dec 2001 11:17 am 27544-50 27569-71
Sample : gcms unknown 11/15
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 14 9:07 2001

Vial: 2
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: NP112701.RES

Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Last Update : Wed Nov 28 15:33:44 2001
Response via : Initial Calibration
DataAcq Meth : NP112701

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	11.86	152	2127270	20.00	ng/uL	-0.08
19) Naphthalene-d8	15.47	136	8618766	20.00	ng/uL	-0.08
31) Acenaphthene-d10	20.75	164	3708202	20.00	ng/uL	-0.07
49) Phenanthrene-d10	25.16	188	5697318m	20.00	ng/uL	-0.09
59) Chrysene-d12	33.16	240	3767646	20.00	ng/uL	-0.09
68) Perylene-d12	37.24	264	2745434	20.00	ng/uL	-0.10
System Monitoring Compounds						
4) 2-Fluorophenol	0.00	112	0	0.00	ng/uL	
Spiked Amount 75.000	Range 18 - 42		Recovery =	0.00%#		
5) Phenol-d5	0.00	99	0	0.00	ng/uL	
Spiked Amount 75.000	Range 19 - 32		Recovery =	0.00%#		
6) 2-Chlorophenol-d4	11.87	132	2537	0.02	ng/uL	0.45
Spiked Amount 75.000	Range 34 - 84		Recovery =	0.03%#		
7) 1,2-Dichlorobenzene-d4	12.15	152	584	0.01	ng/uL	-0.31
Spiked Amount 50.000	Range 26 - 73		Recovery =	0.02%#		
20) Nitrobenzene-d5	0.00	82	0	0.00	ng/uL	
Spiked Amount 50.000	Range 55 - 98		Recovery =	0.00%#		
32) 2-Fluorobiphenyl	18.89	172	4305	0.02	ng/uL	0.06
Spiked Amount 50.000	Range 42 - 78		Recovery =	0.04%#		
33) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng/uL	
Spiked Amount 75.000	Range 45 - 96		Recovery =	0.00%#		
62) Terphenyl-d14	0.00	244	0	0.00	ng/uL	
Spiked Amount 50.000	Range 58 - 98		Recovery =	0.00%#		
Target Compounds						Qvalue
2) Pyridine	0.00	79	0	N.D.		
3) N-nitrosodimethylamine	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.		

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DEC1301\LB.D Vial: 2
Acq On : 13 Dec 2001 11:17 am Operator: GALOS
Sample : gcms unknown 11/15 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 14 9:07 2001 Quant Results File: NP112701.RES

Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Last Update : Wed Nov 28 15:33:44 2001
Response via : Initial Calibration
DataAcq Meth : NP112701

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
17)	N-Nitrosodi-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.		
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	15.54	128	292	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	0.00	149	0	N.D.		
46)	4-Chlorophenylphenylether	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	169	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.	d	
56)	Anthracene	0.00	178	0	N.D.	d	
57)	Di-n-butylphthalate	0.00	149	0	N.D.	d	
58)	Fluoranthene	0.00	202	0	N.D.		
60)	3,3'-Dichlorobenzidine	0.00	252	0	N.D.		

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DEC1301\LB.D Vial: 2
Acq On : 13 Dec 2001 11:17 am Operator: GALOS
Sample : gcms unknown 11/15 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 14 9:07 2001 Quant Results File: NP112701.RES

Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Last Update : Wed Nov 28 15:33:44 2001
Response via : Initial Calibration
DataAcq Meth : NP112701

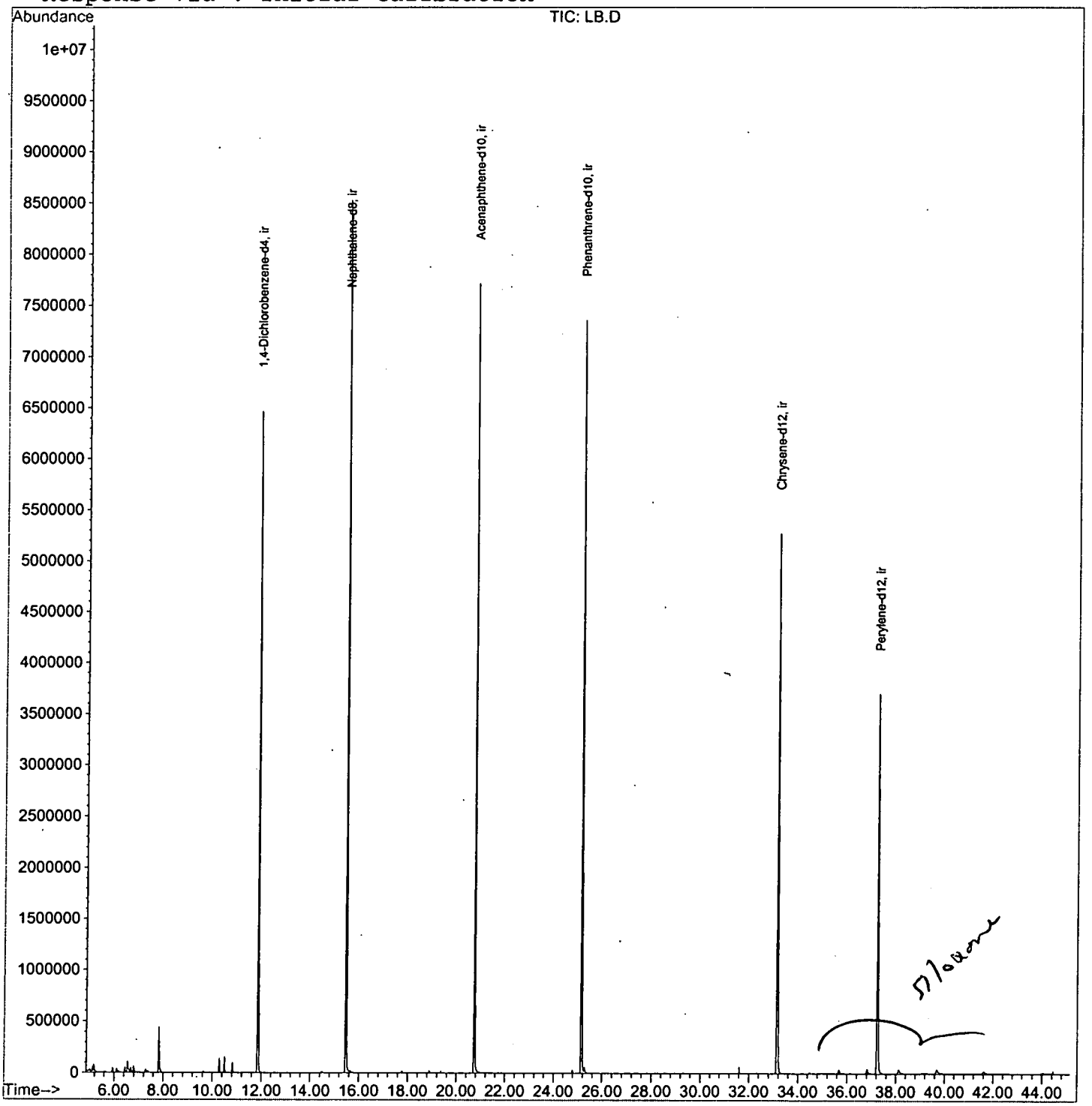
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
61)	Benzidine	29.30	184	8749	N.D.	
63)	Pyrene	0.00	202	0	N.D.	
64)	Butylbenzylphthalate	0.00	149	0	N.D.	
65)	Benzo(a)anthracene	33.16	228	8451	N.D.	
66)	Bis(2-ethylhexyl)phthalate	0.00	149	0	N.D.	
67)	Chrysene	33.16	228	8451	N.D.	
69)	Di-n-Octylphthalate	0.00	149	0	N.D.	
70)	Benzo(b)fluoranthene	0.00	252	0	N.D.	
71)	Benzo(k)fluoranthene	0.00	252	0	N.D.	
72)	Benzo(a)pyrene	37.25	252	9675	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\DEC1301\LB.D Vial: 2
Acq On : 13 Dec 2001 11:17 am Operator: GALOS
Sample : gcms unknown 11/15 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 14 9:07 2001 Quant Results File: NP112701.RES

Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Last Update : Fri Dec 14 09:15:17 2001
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\DEC1301\LB.D Vial: 2
Acq On : 13 Dec 2001 11:17 am Operator: GALOS
Sample : gcms unknown 11/15 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/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

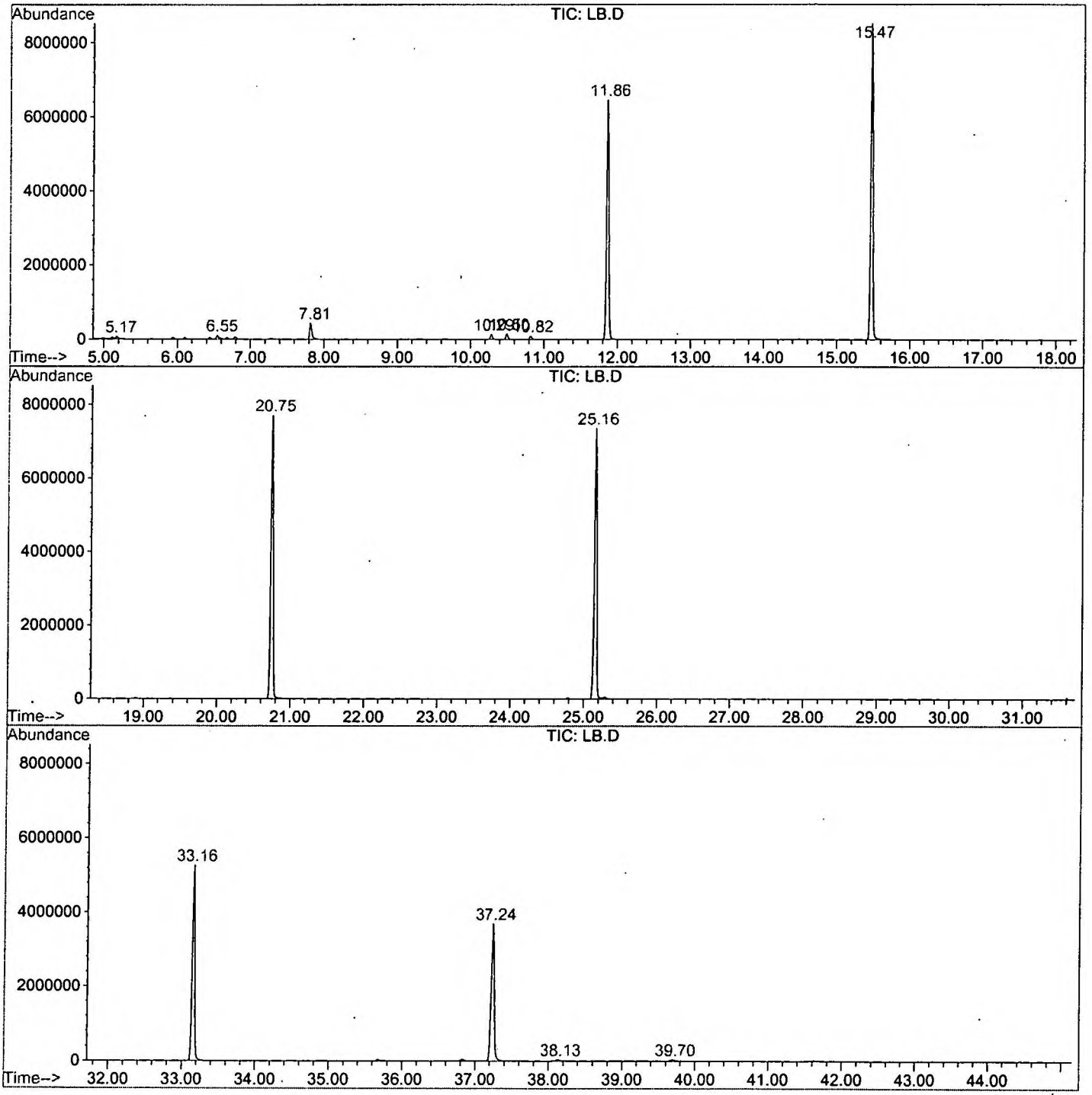
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	5.174	34	36	53	rVB	78645	192452	1.12%	0.219%
2	6.549	183	186	197	rVV	111626	277153	1.61%	0.315%
3	7.815	321	324	339	rBV	441652	966263	5.62%	1.098%
4	10.291	589	594	601	rBV	141061	252448	1.47%	0.287%
5	10.502	612	617	624	rBV	154179	281598	1.64%	0.320%
6	10.823	648	652	659	rBV	97943	184644	1.07%	0.210%
7	11.859	760	765	782	rVB	6459829	13197652	76.78%	15.003%
8	15.472	1153	1159	1176	rBV	8522087	17190024	100.00%	19.542%
9	20.754	1728	1735	1751	rBV	7714376	16649584	96.86%	18.927%
10	25.155	2208	2215	2225	rBV2	7356386	15829252	92.08%	17.995%
11	33.161	3080	3088	3101	rBV2	5270994	12171638	70.81%	13.837%
12	37.242	3524	3533	3561	rBV2	3695736	10369878	60.32%	11.788%
13	38.131	3622	3630	3644	rBV	42054	188926	1.10%	0.215%
14	39.699	3792	3801	3816	rBV2	40444	214652	1.25%	0.244%

Sum of corrected areas: 87966164

LB.D NP112701.M Fri Dec 14 12:59:05 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\DEC1301\LB.D
Operator : GALOS
Acquired : 13 Dec 2001 11:17 am using AcqMethod NP112701
Instrument : GC/MS Ins
Sample Name: gcms unknown 11/15
Misc Info :
Vial Number: 2
Quant File :NP112701.RES (RTE Integrator)



LB.D NP112701.M Fri Dec 14 12:59:07 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC1301\LB.D
Acq On : 13 Dec 2001 11:17 am
Sample : gcms unknown 11/15
Misc :
MS Integration Params: LSCINT.P

Vial: 2
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

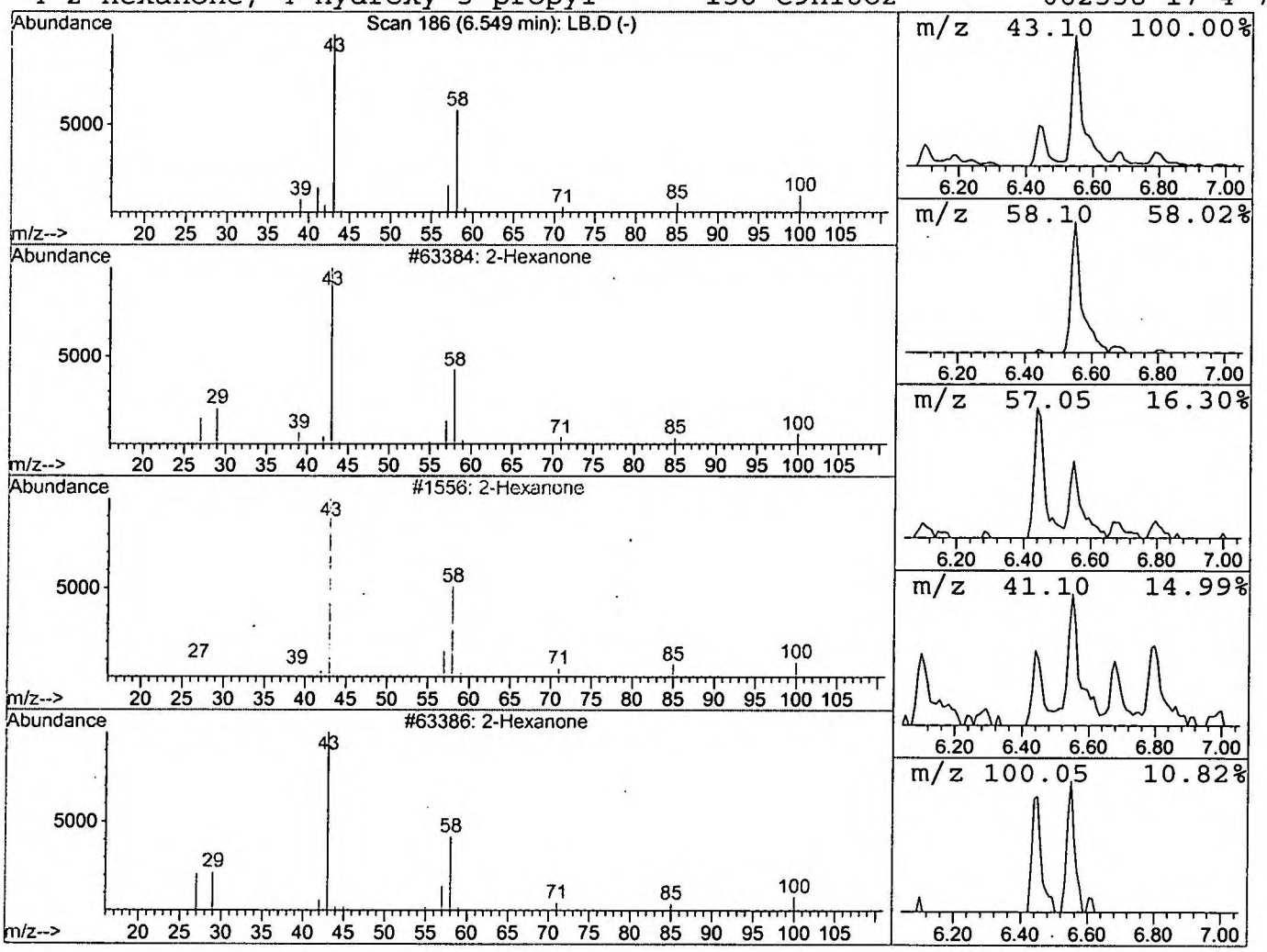
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 2-Hexanone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.55	0.42 ng/uL	277153	1,4-Dichlorobenzene-d4	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanone	100	C6H12O	000591-78-6	91
2	2-Hexanone	100	C6H12O	000591-78-6	90
3	2-Hexanone	100	C6H12O	000591-78-6	78
4	2-Hexanone, 4-hydroxy-3-propyl-	158	C9H18O2	062338-17-4	74



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC1301\LB.D
Acq On : 13 Dec 2001 11:17 am
Sample : gcms unknown 11/15
Misc :
MS Integration Params: LSCINT.P

Vial: 2
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

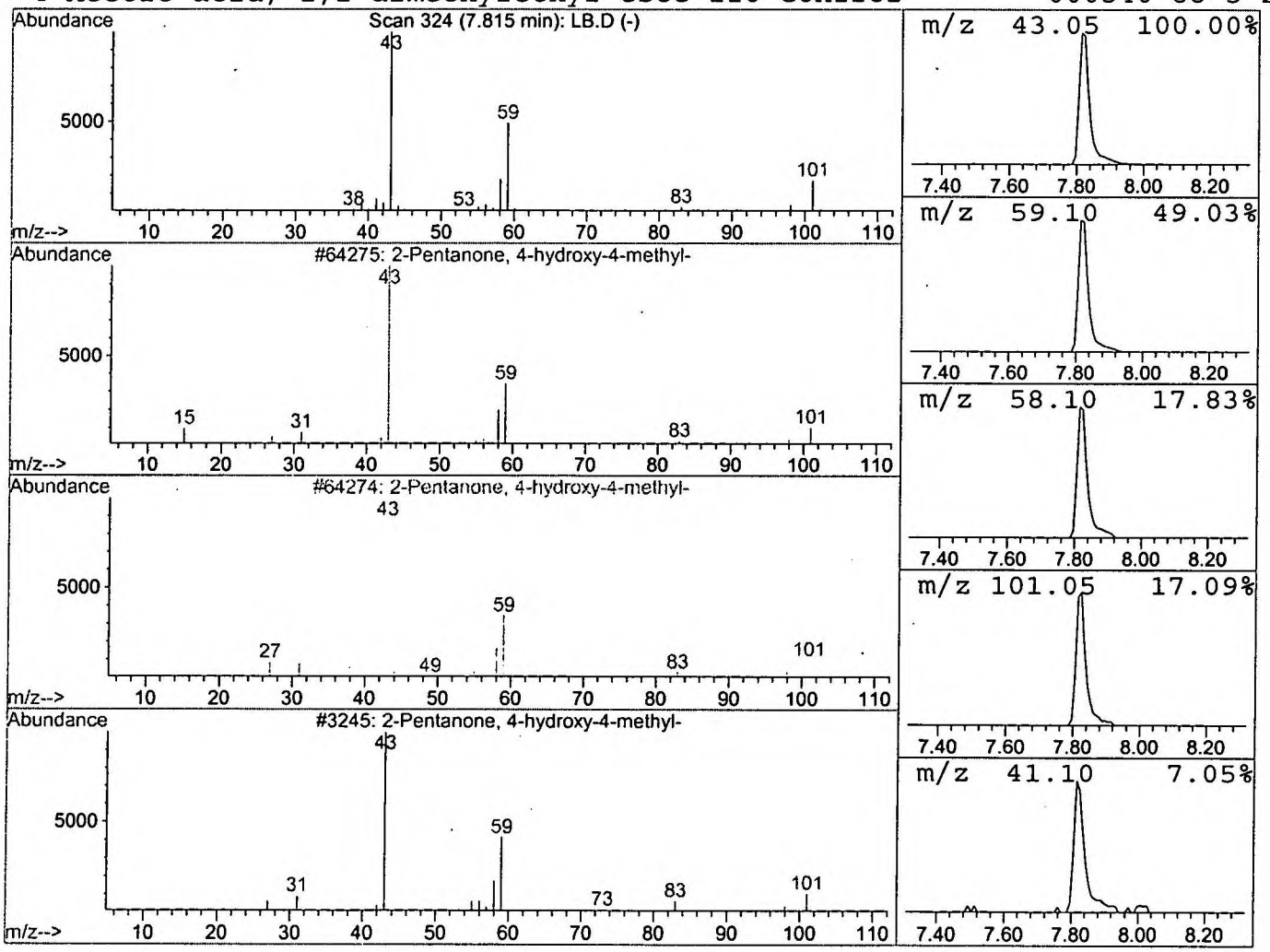
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.81	1.46 ng/uL	966263	1,4-Dichlorobenzene-d4	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	45
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	43
4	Acetic acid, 1,1-dimethylethyl este	116	C6H12O2	000540-88-5	28



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC1301\LB.D
Acq On : 13 Dec 2001 11:17 am
Sample : gcms unknown 11/15
Misc :
MS Integration Params: LSCINT.P

Vial: 2
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

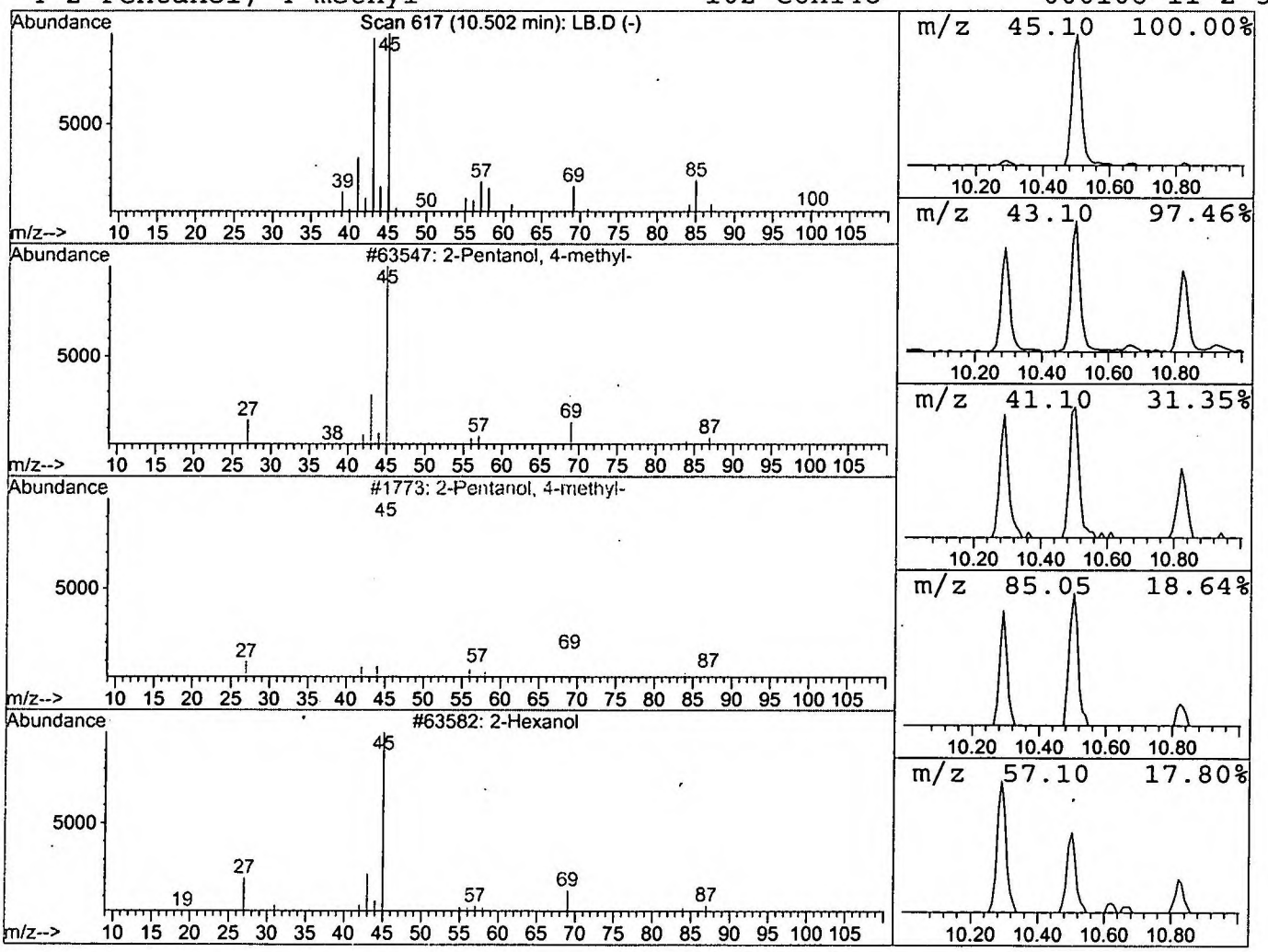
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.50	0.43 ng/uL	281598	1,4-Dichlorobenzene-d4	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanol, 4-methyl-	102	C6H14O	000108-11-2	64
2	2-Pentanol, 4-methyl-	102	C6H14O	000108-11-2	56
3	2-Hexanol	102	C6H14O	000626-93-7	50
4	2-Pentanol, 4-methyl-	102	C6H14O	000108-11-2	50



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC1301\LB.D Vial: 2
Acq On : 13 Dec 2001 11:17 am Operator: GALOS
Sample : gcms unknown 11/15 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

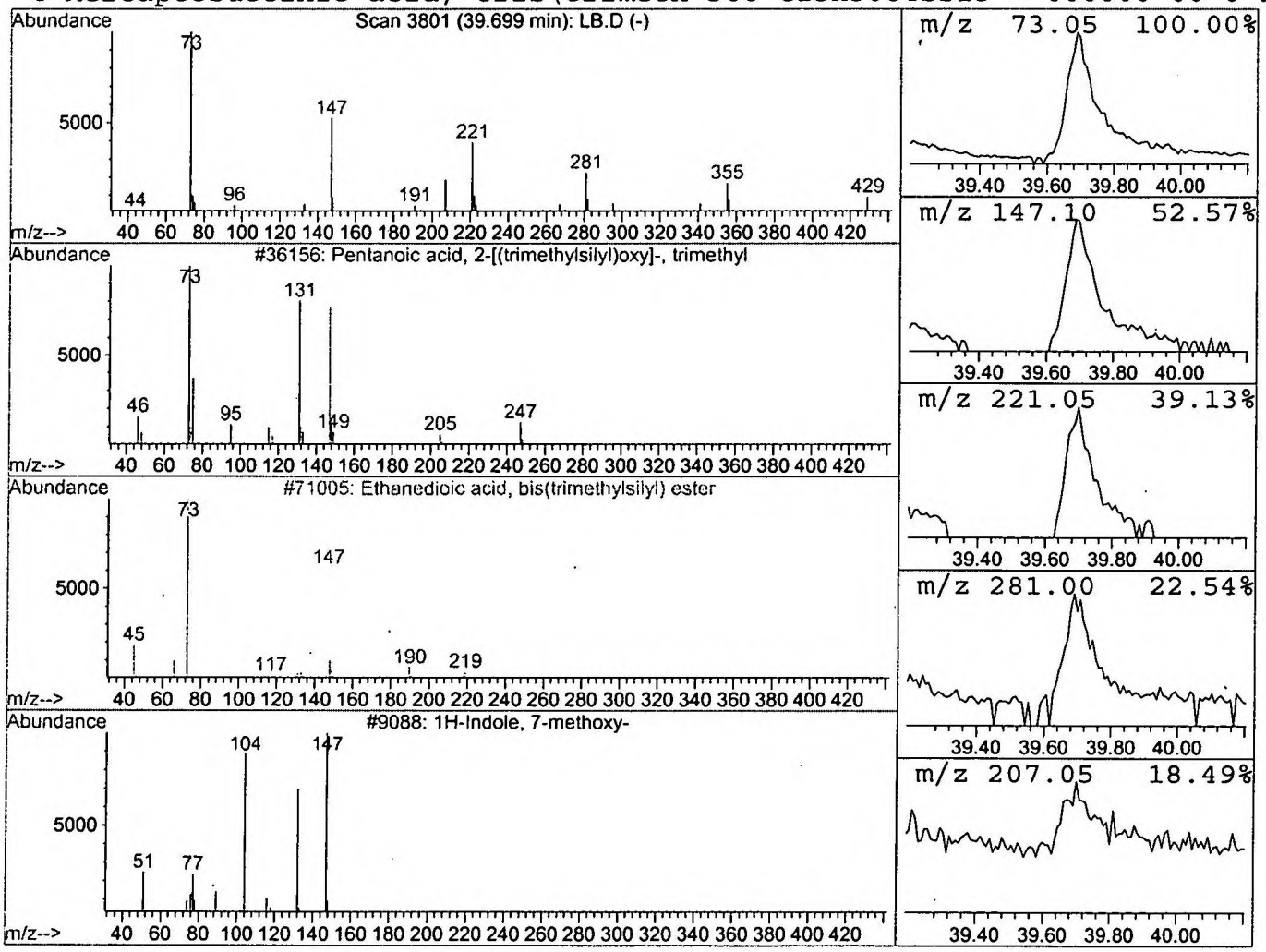
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 4 Pentanoic acid, 2-[(trimethyls Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
39.70	0.41 ng/uL	214652	Perylene-d12	37.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanoic acid, 2-[(trimethylsilyl)	262	C11H26O3Si2	055887-46-2	10
2	Ethanedioic acid, bis(trimethylsily	234	C8H18O4Si2	018294-04-7	10
3	1H-Indole, 7-methoxy-	147	C9H9NO	003189-22-8	9
4	Mercaptosuccinic acid, tris(trimeth	366	C13H30O4SSi3	000000-00-0	9



Tentatively Identified Compound (LSC) summary

Operator ID: GALOS Date Acquired: 13 Dec 2001 11:17 am
Data File: C:\HPCHEM\1\DATA\DEC1301\LB.D
Name: gcms unknown 11/15
Misc:
Method: C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title: 208 625/TCLP calibration table
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
2-Hexanone	6.55	0.4	ng/uL	277153	ISTD01	11.86	13197700	20.0
2-Pentanone, 4-hydro	7.81	1.5	ng/uL	966263	ISTD01	11.86	13197700	20.0
2-Pentanol, 4-methyl	10.50	0.4	ng/uL	281598	ISTD01	11.86	13197700	20.0
Pentanoic acid, 2-[(	39.70	0.4	ng/uL	214652	ISTD06	37.24	10369900	20.0

LB.D NP112701.M Fri Dec 14 12:59:17 2001