User: Galos, Marie
Westchester Dept. of Labs & Research
Date: 10/11/2001 Time: 08:12:15

Sample: AD22578
Analysis: $GCMS GC/MS Scan For Unknowns
Started: 10/10/01 14:40 Ended: 10/10/01 14:40 Analyst: MG
Page: 1

	Component Name	Viol	Result
1	Other unknown compounds		see comment

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\SEP2801\22578.D Vial: 6
Acq On : 28 Sep 2001 5:19 pm Operator: 209 GALOS
Sample : gc/ms unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 1 9:10 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 : Thu Sep 13 12:47:04 2001
Response via : Initial Calibration
DataAcq Meth : NP091101

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	11.79	152	525241	20.00	ug/l	-0.12
19) Naphthalene-d8	15.40	136	2077479	20.00	ug/l	-0.12
31) Acenaphthene-d10	20.69	164	993385	20.00	ug/l	-0.12
49) Phenanthrene-d10	25.12	188	1435808	20.00	ug/l	-0.11
59) Chrysene-d12	33.16	240	979435	20.00	ug/l	-0.12
68) Perylene-d12	37.28	264	708468	20.00	ug/l	-0.14
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	11.78	132	304	0.01	ug/l	0.36
Spiked Amount 75.000			Recovery =	0.01%		
7) 1,2-Dichlorobenzene-d4	12.31	152	5342	0.21	ug/l	-0.12
Spiked Amount 50.000			Recovery =	0.42%		
20) Nitrobenzene-d5	0.00	82	0	0.00	ug/l	
Spiked Amount 50.000			Recovery =	0.00%		
32) 2-Fluorobiphenyl	18.83	172	2399	0.04	ug/l	0.01
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	30.01	244	964	0.02	ug/l	-0.14
Spiked Amount 50.000			Recovery =	0.04%		
Target Compounds						Qvalue
2) Pyridine	5.50	79	656	N.D.		
3) N-nitroso-dimethyl amine	5.12	74	266	N.D.		
8) Phenol	11.09	94	101	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

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Last Update : Thu Sep 13 12:47:04 2001
Response via : Initial Calibration
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	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	21.32	65	188	N.D.	
44)	2,4-Dinitrotoluene	0.00	165	0	N.D.	
45)	Diethylphthalate	22.19	149	460	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	25.12	178	355	N.D.	
56)	Anthracene	25.12	178	355	N.D.	
57)	Di-n-butylphthalate	27.12	149	3275	N.D.	
58)	Fluoranthene	0.00	202	0	N.D.	
60)	3,3'-Dichlorobenzidine	33.15	252	560	N.D.	
61)	Benzidine	0.00	184	0	N.D.	
63)	Pyrene	0.00	202	0	N.D.	
64)	Butylbenzylphthalate	31.62	149	851	N.D.	
65)	Benzo(a)anthracene	33.16	228	2852	N.D.	
66)	Bis(2-ethylhexyl)phthalate	33.41	149	8320	N.D.	
67)	Chrysene	33.16	228	2852	N.D.	
69)	Di-n-Octylphthalate	35.16	149	2893	N.D.	
70)	Benzo(b)fluoranthene	36.19	252	745	N.D.	

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Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
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Title : 209 625/TCLP calibration table 7/16/01
Last Update : Thu Sep 13 12:47:04 2001
Response via : Initial Calibration
DataAcq Meth : NP091101

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
71)	Benzo(k)fluoranthene	36.25	252	827	N.D.	
72)	Benzo(a)pyrene	37.09	252	673	N.D.	
73)	Indeno(1,2,3-cd)pyrene	41.05	276	206	N.D.	
74)	Dibenz(a,h)anthracene	0.00	278	0	N.D.	
75)	Benzo(g,h,i)perylene	42.17	276	375	N.D.	

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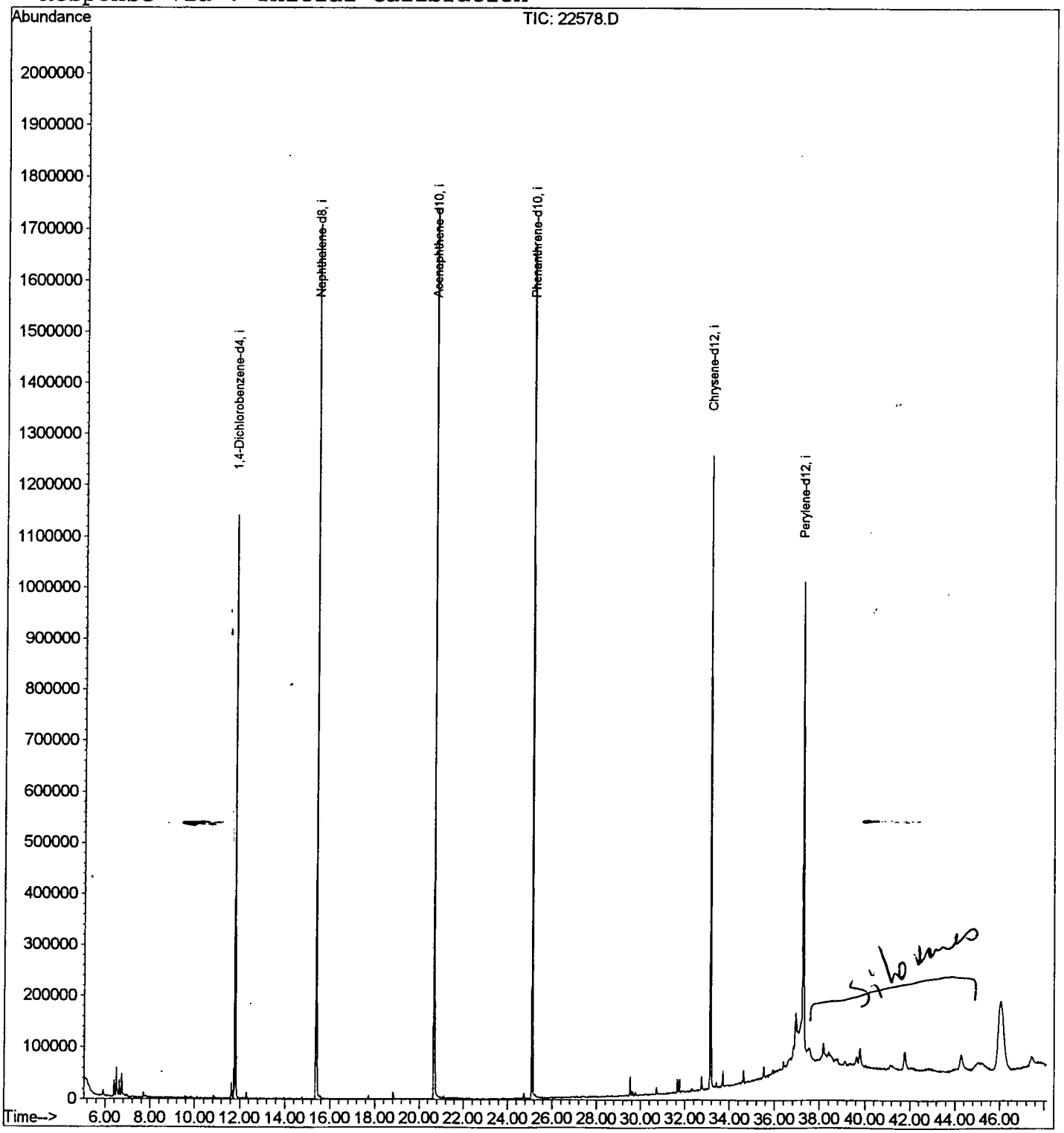
Title : 209 625/TCLP calibration table 7/16/01
Last Update : Thu Sep 13 12:47:04 2001
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\SEP2801\22578.D Vial: 6
Acq On : 28 Sep 2001 5:19 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\NP091101.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

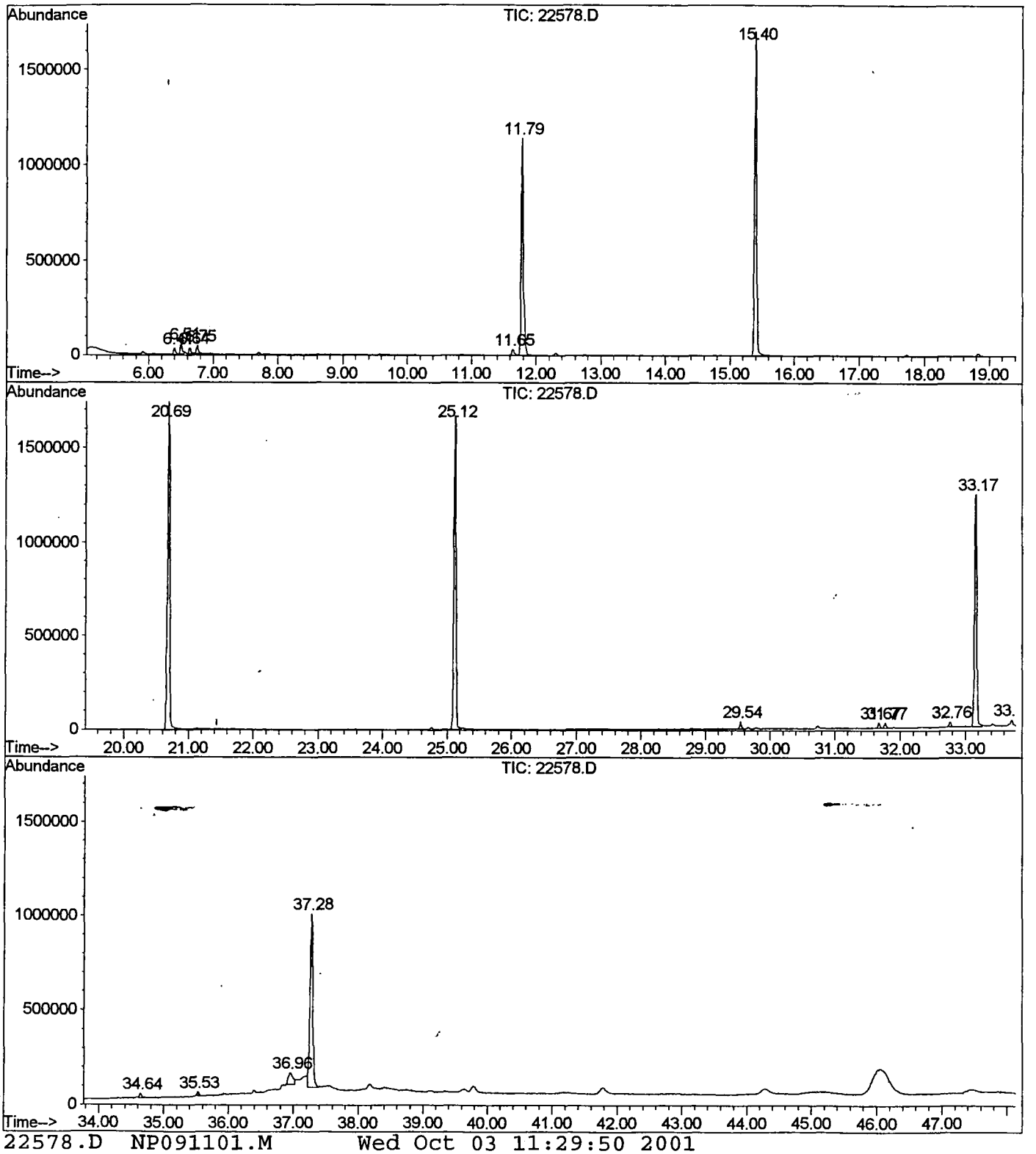
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	6.405	144	149	155	rBV	31598	68576	1.73%	0.323%
2	6.506	155	160	164	rBV	54359	114453	2.89%	0.539%
3	6.644	170	175	182	rVB	29153	58268	1.47%	0.274%
4	6.754	182	187	198	rVB	42000	90010	2.27%	0.424%
5	11.647	716	720	729	rVB	30342	71947	1.82%	0.339%
6	~~11.785~~	729	735	747	rBV	1139675	2698738	68.12%	12.713%
7	~~15.402~~	1122	1129	1143	rBV	1701253	3788410	95.62%	17.847%
8	~~20.690~~	1696	1705	1718	rBV	1739846	3961761	100.00%	18.663%
9	~~25.124~~	2180	2188	2198	rBV2	1666236	3738422	94.36%	17.611%
10	29.540	2663	2669	2675	rBV2	36074	71047	1.79%	0.335%
11	31.670	2897	2901	2906	rBV2	25495	52735	1.33%	0.248%
12	31.771	2908	2912	2917	rVB	25793	53171	1.34%	0.250%
13	32.762	3016	3020	3027	rVB	25676	54284	1.37%	0.256%
14	~~33.166~~	3056	3064	3074	rBV2	1237342	3071888	77.54%	14.471%
15	33.717	3121	3124	3132	rVB2	30622	64905	1.64%	0.306%
16	34.644	3221	3225	3231	rVB	25846	59606	1.50%	0.281%
17	35.525	3319	3321	3329	rVB	20234	41540	1.05%	0.196%
18	36.957	3470	3477	3484	rBV5	61266	300912	7.60%	1.418%
19	~~37.279~~	3505	3512	3528	rVB2	919646	2866787	72.36%	13.505%

Sum of corrected areas: 21227460

22578.D NP091101.M Wed Oct 03 11:29:47 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\SEP2801\22578.D
Operator : 209 GALOS
Acquired : 28 Sep 2001 5:19 pm using AcqMethod NP091101
Instrument : GC/MS 209
Sample Name: gc/ms unknown
Misc Info :
Vial Number: 6
Quant File :NP091101.RES (RTE Integrator)



22578.D NP091101.M Wed Oct 03 11:29:50 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\SEP2801\22578.D
Acq On : 28 Sep 2001 5:19 pm
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 6
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

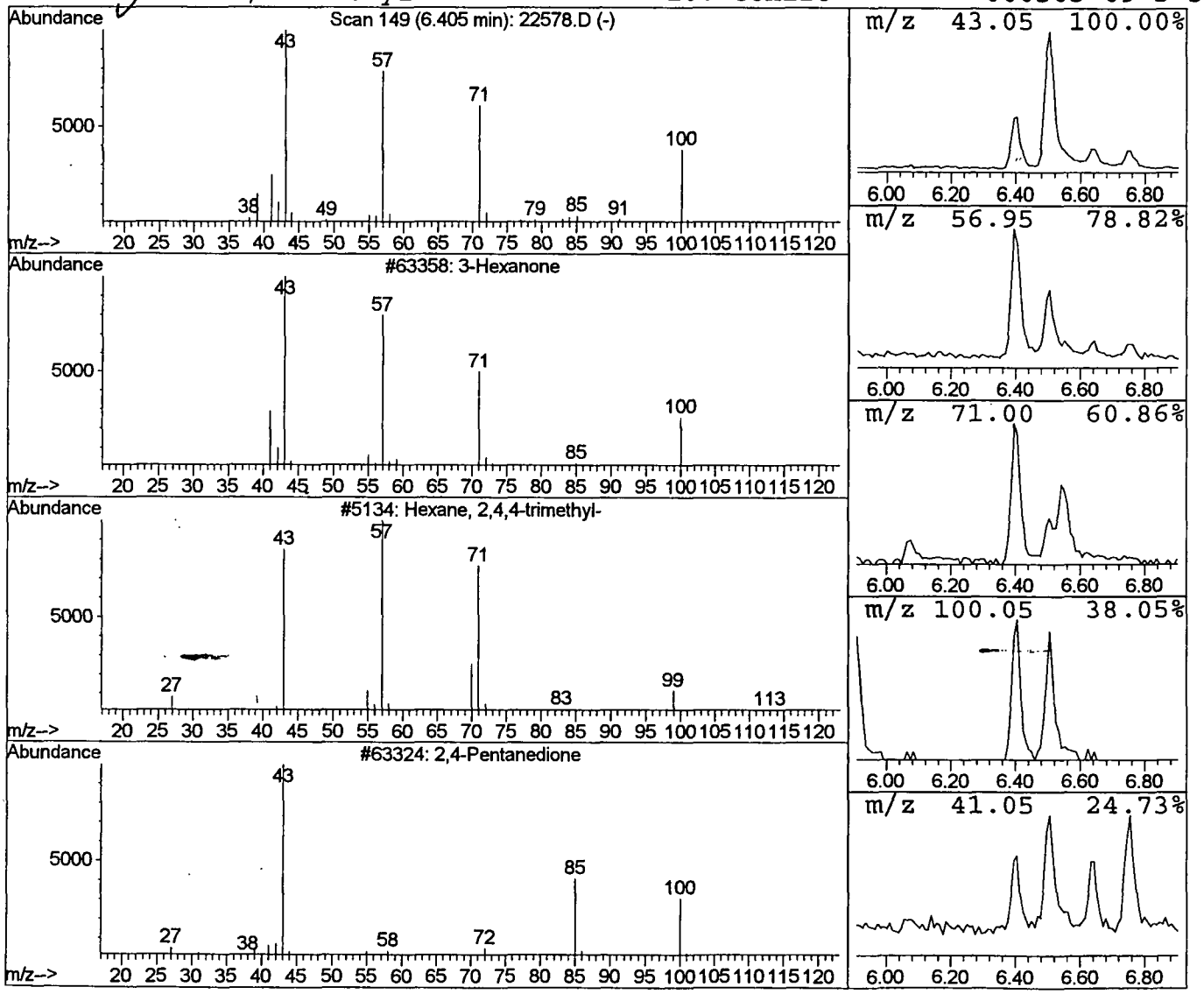
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 3-Hexanone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.41	0.51 ug/l	68576	1,4-Dichlorobenzene-d4	11.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexanone	100	C6H12O	000589-38-8	91
2	Hexane, 2,4,4-trimethyl-	128	C9H20	016747-30-1	43
3	2,4-Pentanedione	100	C5H8O2	000123-54-6	38
4	3-Pentanone, 2-methyl-	100	C6H12O	000565-69-5	38



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\SEP2801\22578.D
Acq On : 28 Sep 2001 5:19 pm
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 6
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

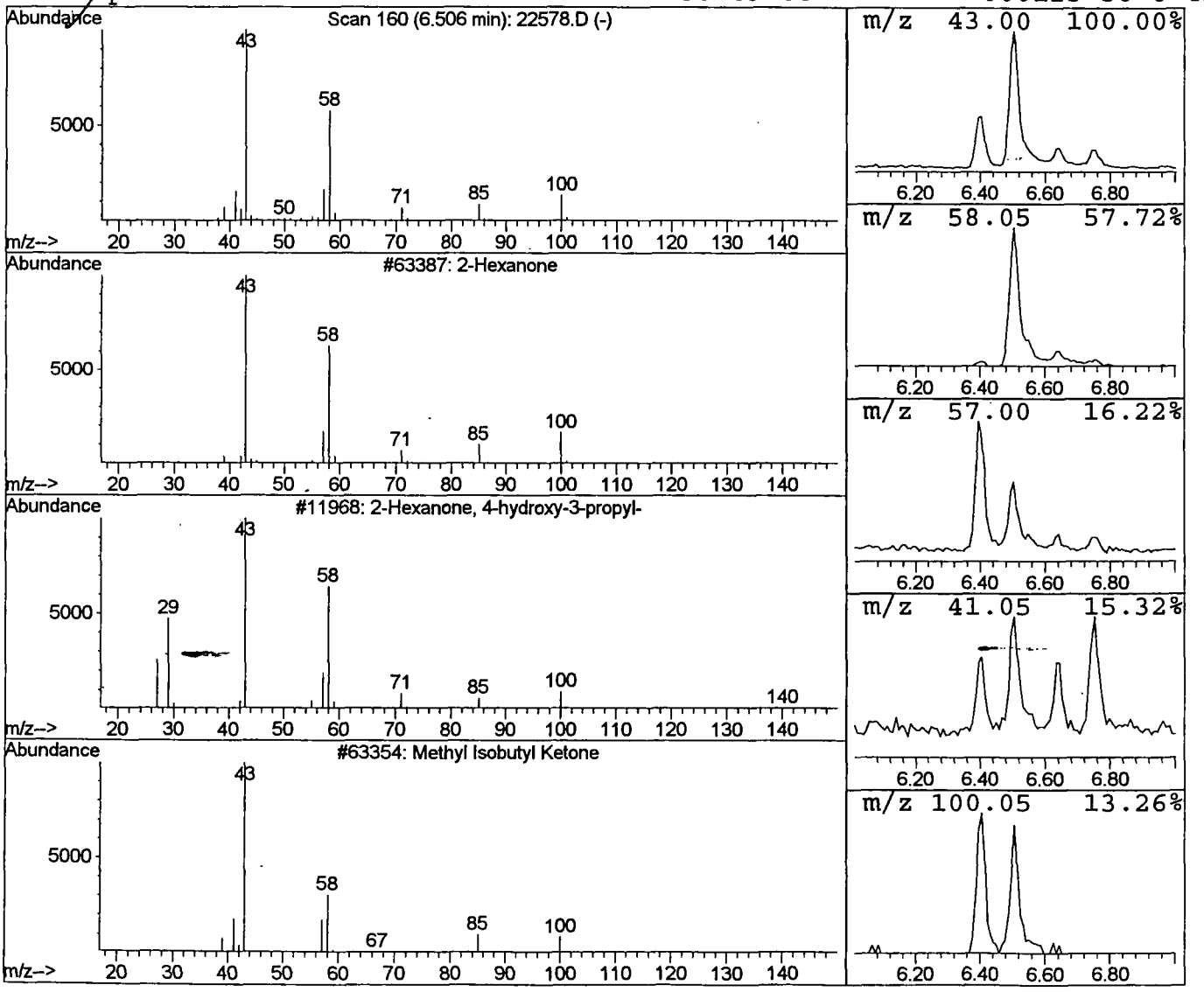
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 2-Hexanone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.51	0.85 ug/l	114453	1,4-Dichlorobenzene-d4	11.79

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	83
3	Methyl Isobutyl Ketone	100	C6H12O	000108-10-1	52
4	Propanal	58	C3H6O	000123-38-6	43



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\SEP2801\22578.D
Acq On : 28 Sep 2001 5:19 pm
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 6
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
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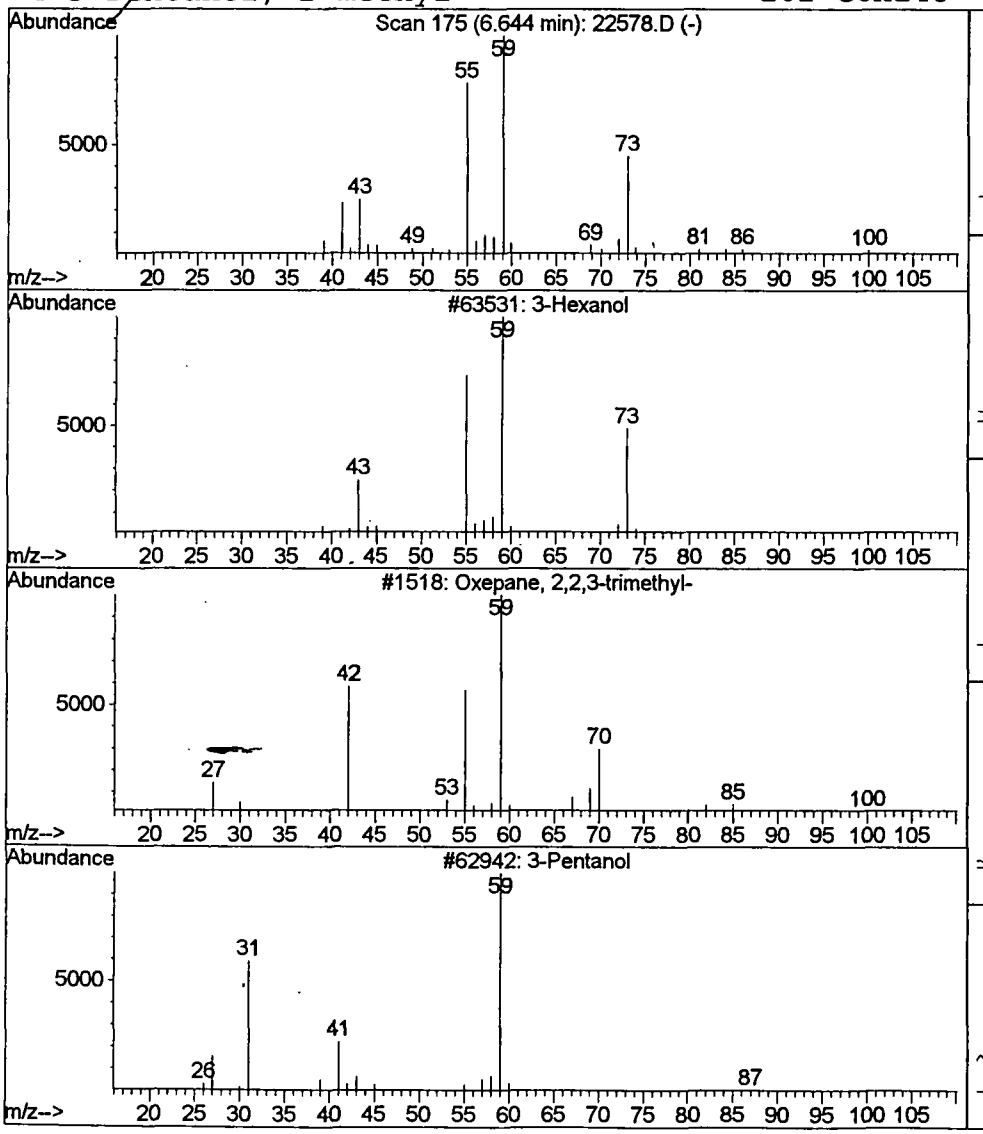
Peak Number 3 3-Hexanol — Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.64	0.43 ug/l	58268	1,4-Dichlorobenzene-d4	11.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexanol	102	C6H14O	000623-37-0	86
2	Oxepane, 2,2,3-trimethyl-	100	C6H12O	023120-43-6	64
3	3-Pentanol	88	C5H12O	000584-02-1	40
4	3-Pentanol, 2-methyl-	102	C6H14O	000565-67-3	39



Library Search Compound Report

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Acq On : 28 Sep 2001 5:19 pm
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 6
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
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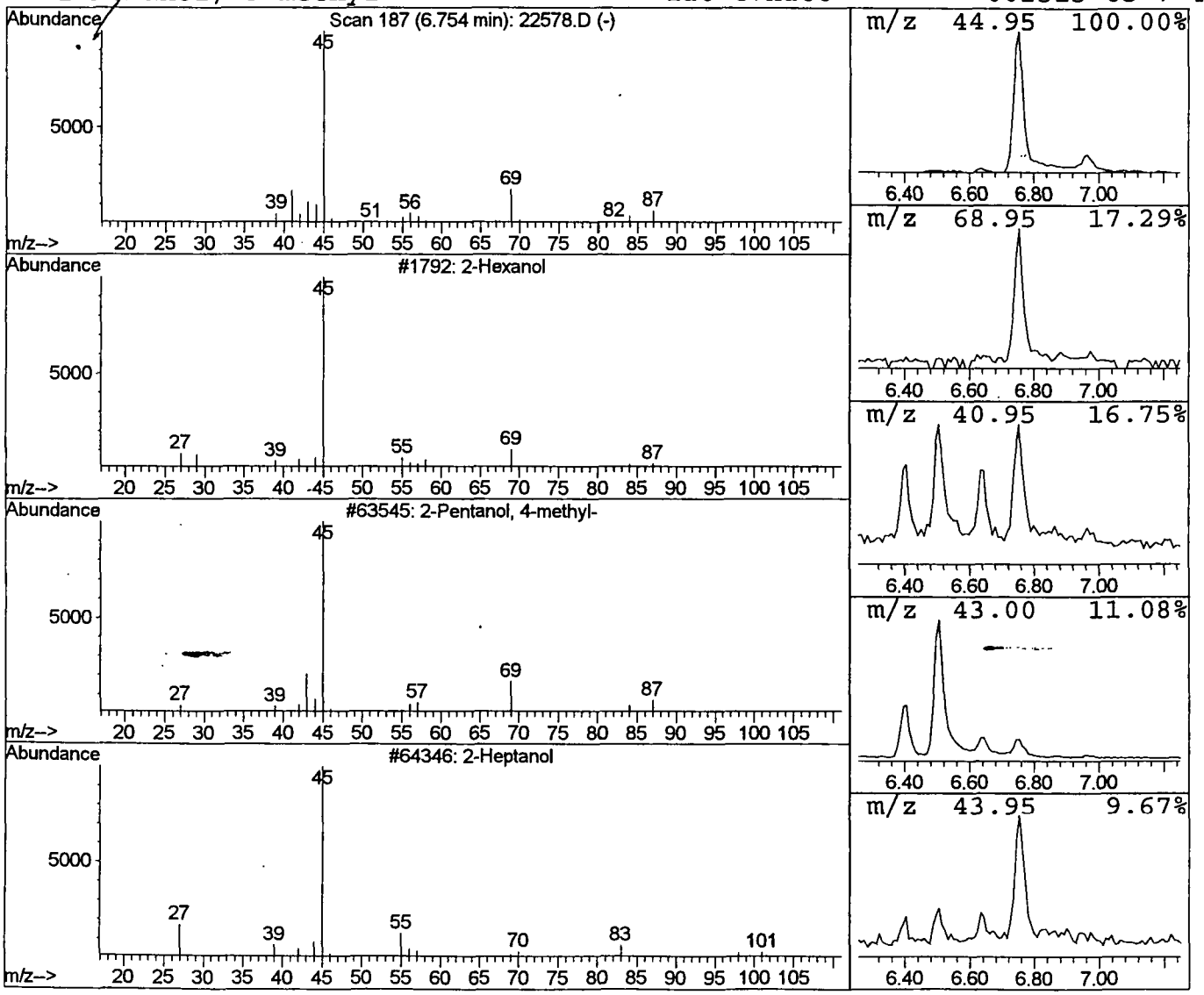
Library : C:\DATABASE\NBS75K.L

****

Peak Number 4 2-Hexanol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.75	0.67 ug/l	90010	1,4-Dichlorobenzene-d4	11.79

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	74
3	2-Heptanol	116	C7H16O	000543-49-7	50
4	2-Hexanol, 3-methyl-	116	C7H16O	002313-65-7	45



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Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 6
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

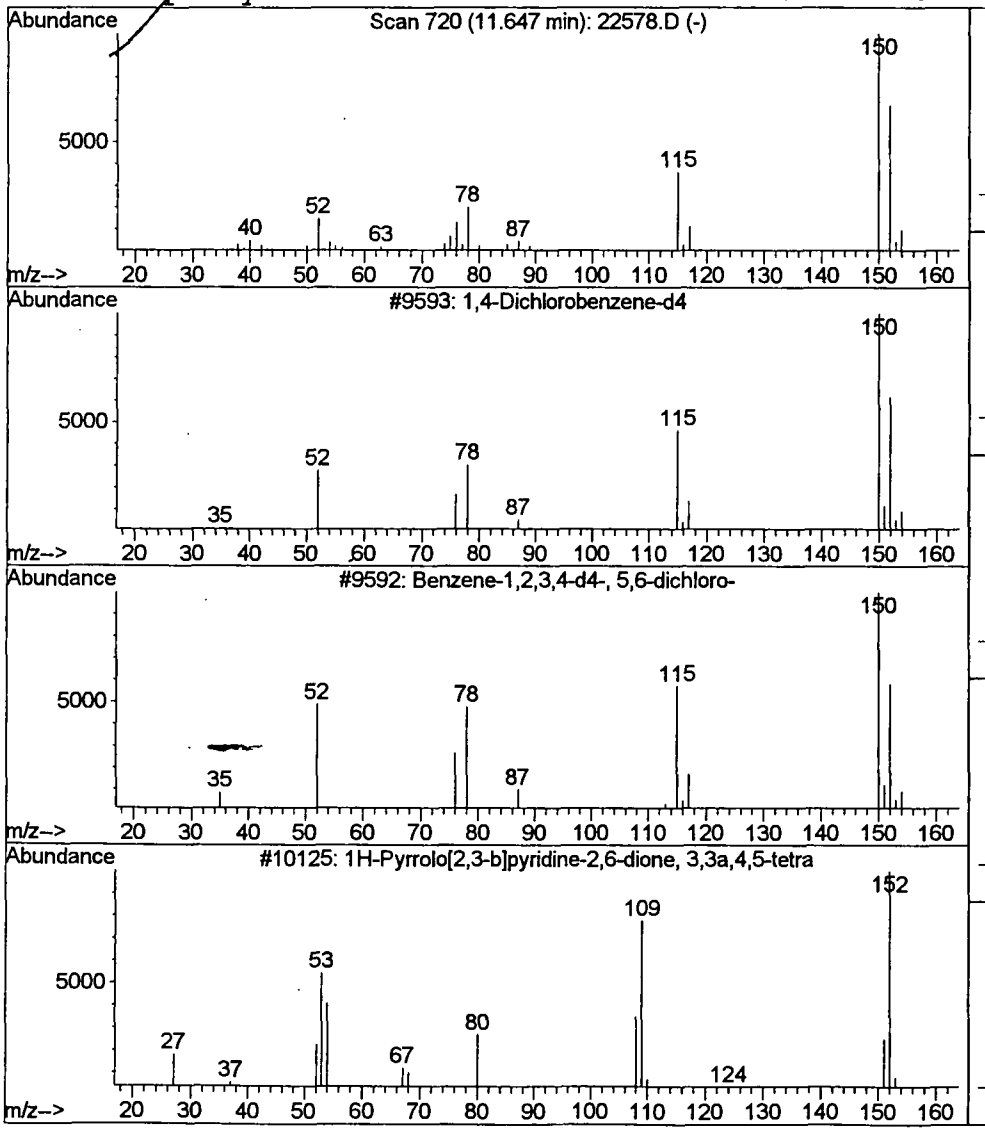
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

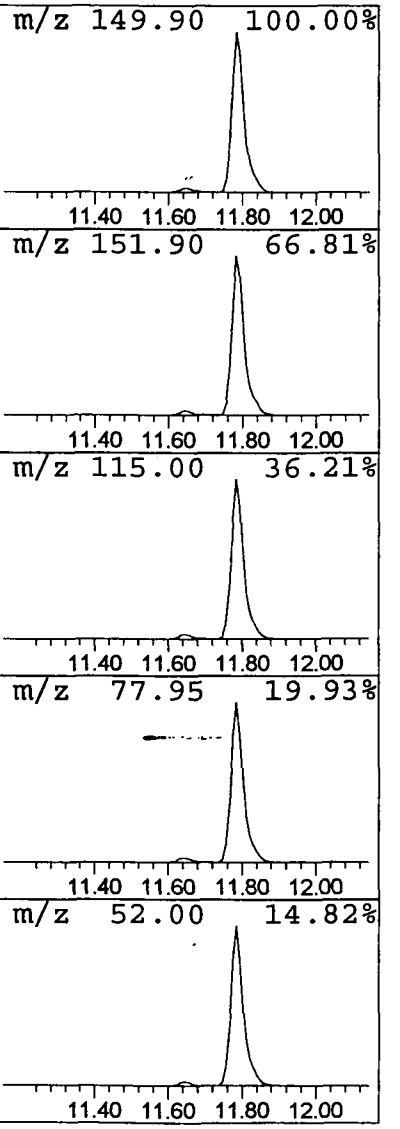
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.65	0.53 ug/l	71947	1,4-Dichlorobenzene-d4	11.79

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	25
3	1H-Pyrrolo[2,3-b]pyridine-2,6-dione	152	C7H8N2O2	017384-56-4	9
4	Acenaphthylene	152	C12H8	000208-96-8	9





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Vial: 6
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

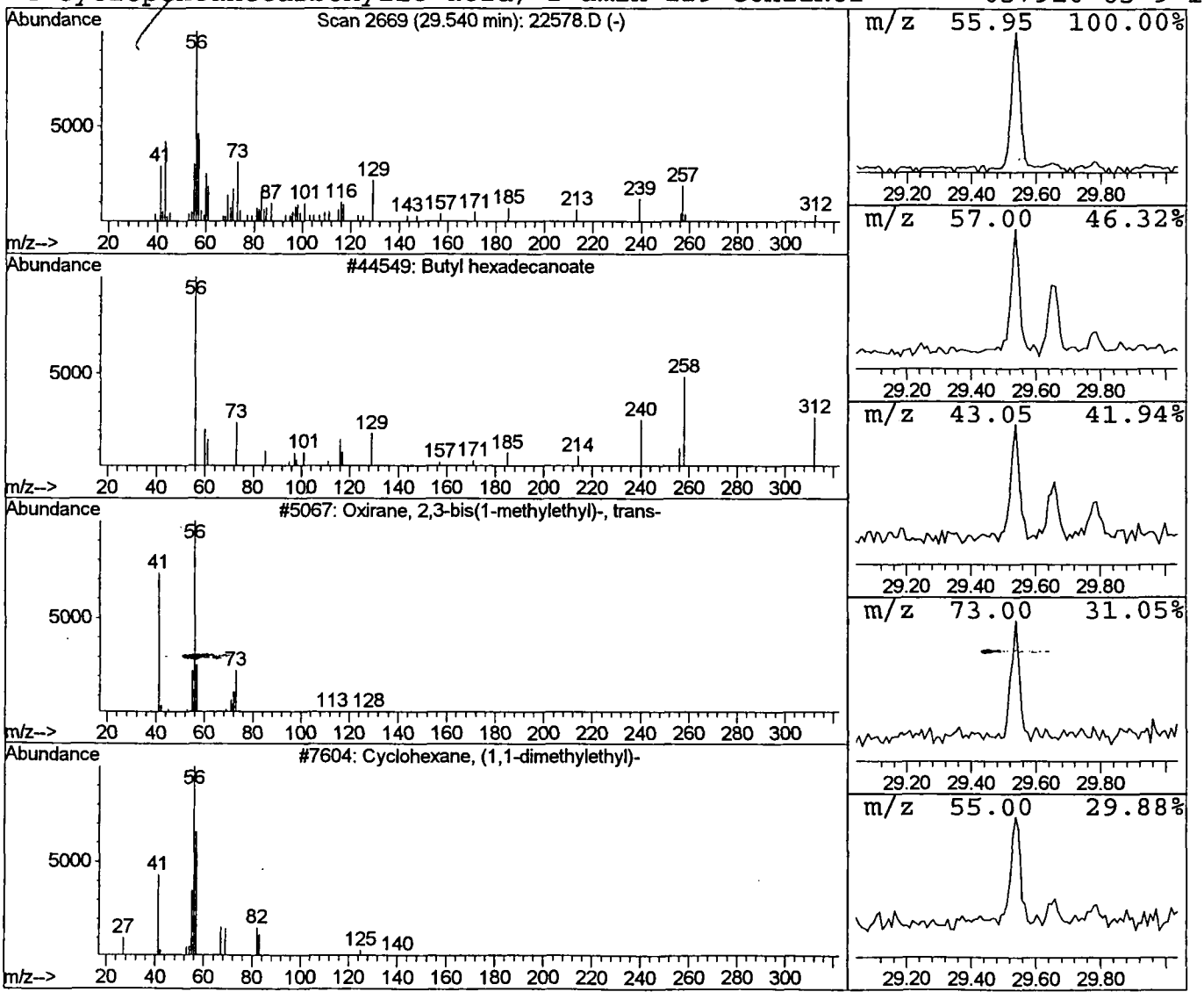
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

****

Peak Number 6 Butyl hexadecanoate Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
29.54	0.46 ug/l	71047	Chrysene-d12	33.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butyl hexadecanoate	312	C20H40O2	000000-00-0	35
2	Oxirane, 2,3-bis(1-methylethyl)-, t	128	C8H16O	054644-32-5	32
3	Cyclohexane, (1,1-dimethylethyl)-	140	C10H20	003178-22-1	27
4	Cyclopentanecarboxylic acid, 2-amin	129	C6H11NO2	037910-65-9	17



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Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 6
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

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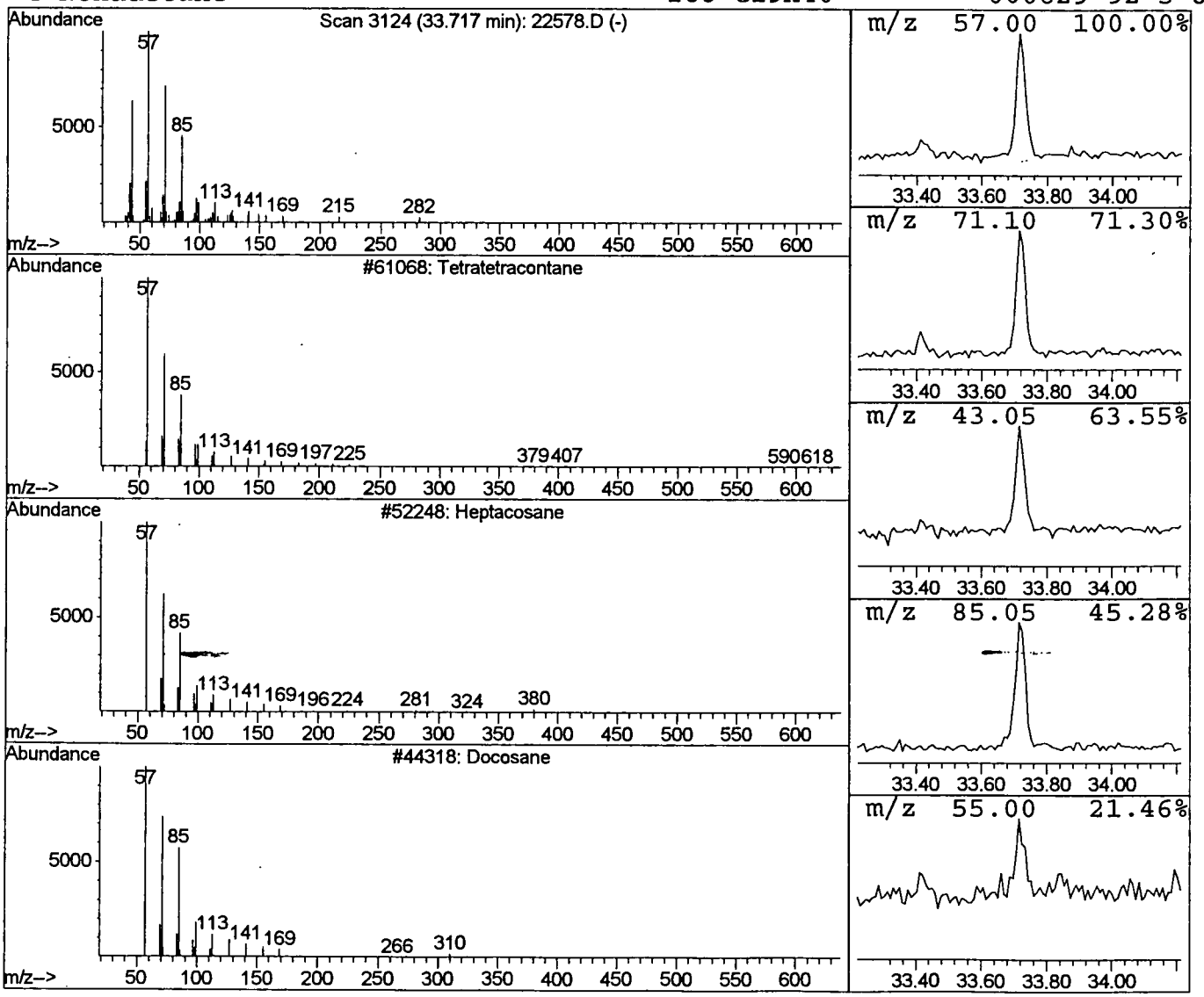
Peak Number 7 Tetratetracontane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
33.72	0.42 ug/l	64905	Chrysene-d12	33.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetratetracontane	619	C44H90	007098-22-8	91
2	Heptacosane	380	C27H56	000593-49-7	91
3	Docosane	310	C22H46	000629-97-0	83
4	Nonadecane	268	C19H40	000629-92-5	80



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\SEP2801\22578.D
Acq On : 28 Sep 2001 5:19 pm
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 6
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

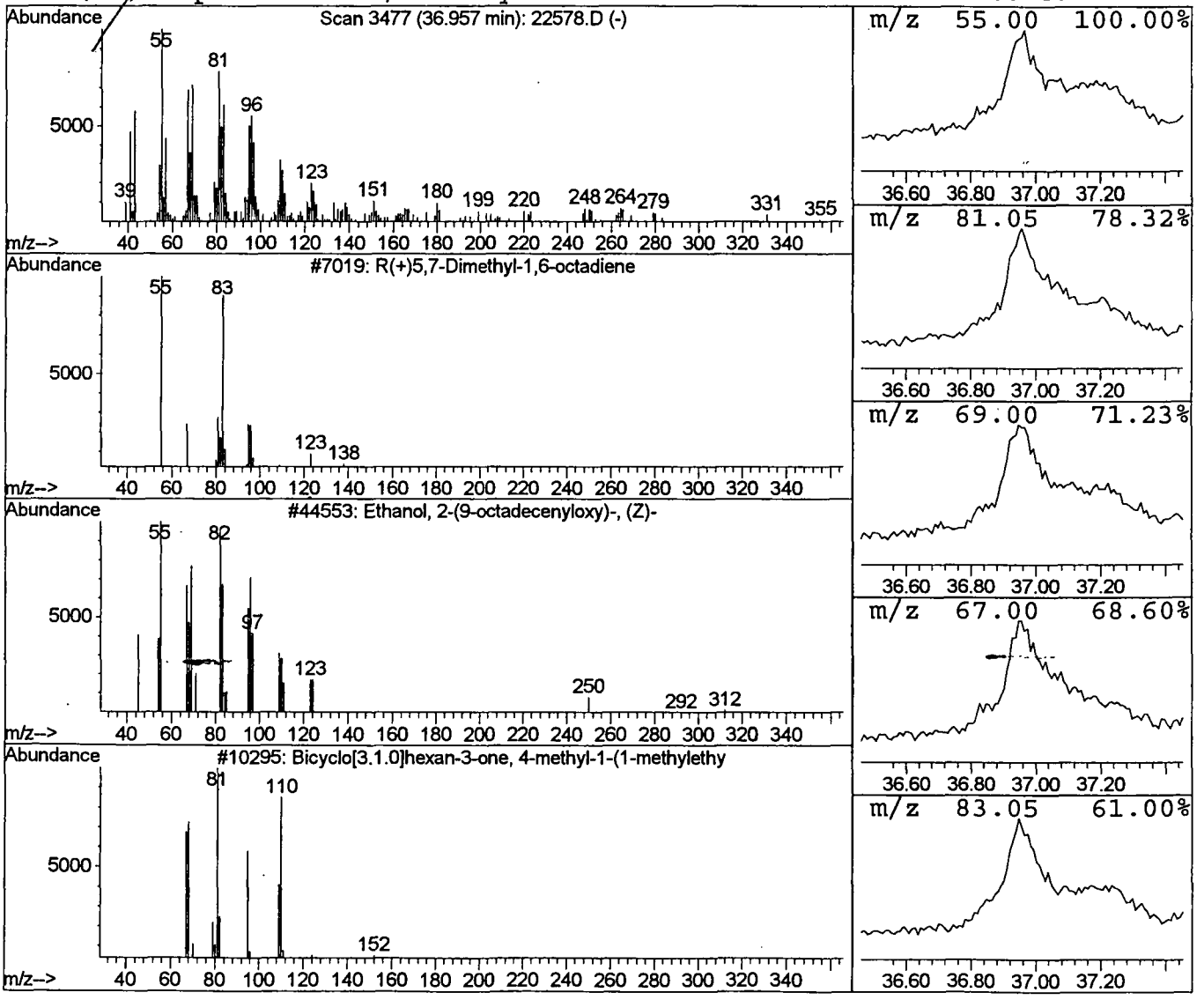
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

****

Peak Number 8 R(+)5,7-Dimethyl-1,6-octadiene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
36.96	2.10 ug/l	300912	Perylene-d12	37.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	R(+)5,7-Dimethyl-1,6-octadiene	138	C10H18	000000-00-0	62
2	Ethanol, 2-(9-octadecenyloxy)-, (Z)	312	C20H40O2	005353-25-3	52
3	Bicyclo[3.1.0]hexan-3-one, 4-methyl	152	C10H16O	001125-12-8	50
4	2(1H)-Naphthalenone, octahydro-4a-m	208	C14H24O	054594-42-2	49



Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 28 Sep 2001 5:19 pm
Data File: C:\HPCHEM\1\DATA\SEP2801\22578.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	6.41	0.5	ug/l	68576	ISTD01	11.79	2698740	20.0
2-Hexanone	6.51	0.8	ug/l	114453	ISTD01	11.79	2698740	20.0
3-Hexanol	6.64	0.4	ug/l	58268	ISTD01	11.79	2698740	20.0
2-Hexanol	6.75	0.7	ug/l	90010	ISTD01	11.79	2698740	20.0
1,4-Dichlorobenzene-	11.65	0.5	ug/l	71947	ISTD01	11.79	2698740	20.0
Butyl hexadecanoate	29.54	0.5	ug/l	71047	ISTD05	33.16	3071890	20.0
Tetratetracontane	33.72	0.4	ug/l	64905	ISTD05	33.16	3071890	20.0
R(+)5,7-Dimethyl-1,6	36.96	2.1	ug/l	300912	ISTD06	37.28	2866790	20.0

22578.D NP091101.M Wed Oct 03 11:30:11 2001

Comments for Sample AD22578 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 10-12-2001 Time: 13:29:22

A scan of the extract prepared for the 508 analysis, from 35 - 550 amu using a mass spectrometer, does not reveal the presence of any non-target compounds generally different than those present in the Laboratory Blank, except for siloxanes which are probably due to laboratory contamination. The non-target compounds are higher in level in the sample than they are in the Laboratory Blank.