emailed

User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 02/13/2002 Time: 08:07:51

Sample: AD31405
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 2/13/02 08:04 Ended: 2/13/02 08:04 Analyst: DLV
Result source: manual entry
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		115		5.0

12/24/01

Pickering/
HOFFMAN

call pt 36350 / 40070

FB 31459 – clean

CAS 640-61-9

Comments for Sample AD31405 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 02-13-2002 Time: 08:07:03

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds, except for N,4-dimethylbenzenesulfonamide at an estimated level of 0.33 ug/L and with a fit of 58 out of 100.
The recoveries for 3 of the 43 compounds in the LCS Standard were above their acceptance ranges.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\JAN1602\31405.D Vial: 11
Acq On : 16 Jan 2002 9:25 pm Operator: 209 GALOS
Sample : gc/ms scan 12/27 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Feb 7 8:51 2002 Quant Results File: GCMS0103.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0103.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Mon Jan 07 10:31:02 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0103

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	11.50	152	802954	20.00	ug/l	-0.03
10) Naphthalene-d8	15.10	136	3122090	20.00	ug/l	-0.02
17) Acenaphthene-d10	20.36	164	1589484	20.00	ug/l	-0.03
29) Phenanthrene-d10	24.77	188	2164469	20.00	ug/l	-0.03
38) Chrysene-d12	32.80	240	1280103	20.00	ug/l	-0.03
44) Perylene-d12	36.86	264	822806	20.00	ug/l	-0.03
System Monitoring Compounds						
37) 2,4-DDD	29.85	235	143092	5.76	ug/mL	-0.22
Spiked Amount 5.000			Recovery = 115.20%			
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	0.00	77	0	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	15.16	128	1014	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	20.73	165	109	N.D.		
25) Diethylphthalate	21.88	149	408	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)

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Quant Method : C:\HPCHEM\1\METHODS\GCMS0103.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Mon Jan 07 10:31:02 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0103

	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	24.77	178	694	N.D.	
34)	Anthracene	24.77	178	694	N.D.	
35)	Di-n-butylphthalate	26.80	149	36524	N.D.	
36)	Fluoranthene	0.00	202	0	N.D.	
39)	Pyrene	0.00	202	0	N.D.	
40)	Butylbenzylphthalate	0.00	149	0	N.D.	
41)	Benzo(a)anthracene	32.79	228	3238	N.D.	
42)	Bis(2-ethylhexyl)phthalate	33.11	149	1764	N.D.	
43)	Chrysene	32.79	228	3238	N.D.	
45)	Di-n-Octylphthalate	0.00	149	0	N.D.	
46)	Benzo(b)fluoranthene	0.00	252	0	N.D.	
47)	Benzo(k)fluoranthene	0.00	252	0	N.D.	
48)	Benzo(a)pyrene	36.86	252	3511	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

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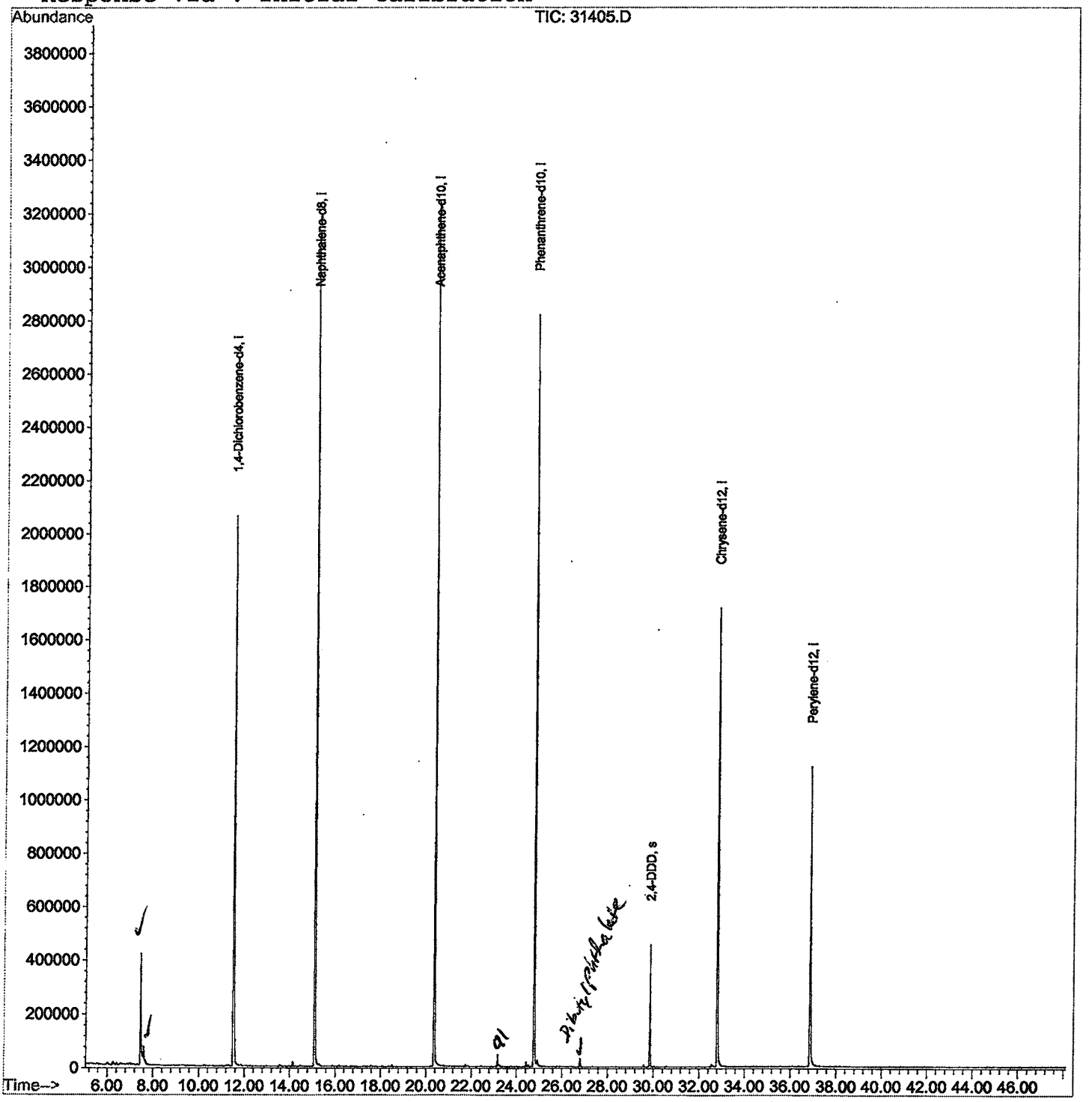
Acq On : 16 Jan 2002 9:25 pm Operator: 209 GALOS
Sample : gc/ms scan 12/27 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Feb 7 8:51 2002 Quant Results File: GCMS0103.RES

Method : C:\HPCHEM\1\METHODS\GCMS0103.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Mon Jan 07 10:31:02 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\JAN1602\31405.D Vial: 11
Acq On : 16 Jan 2002 9:25 pm Operator: 209 GALOS
Sample : gc/ms scan 12/27 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\GCMS0103.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

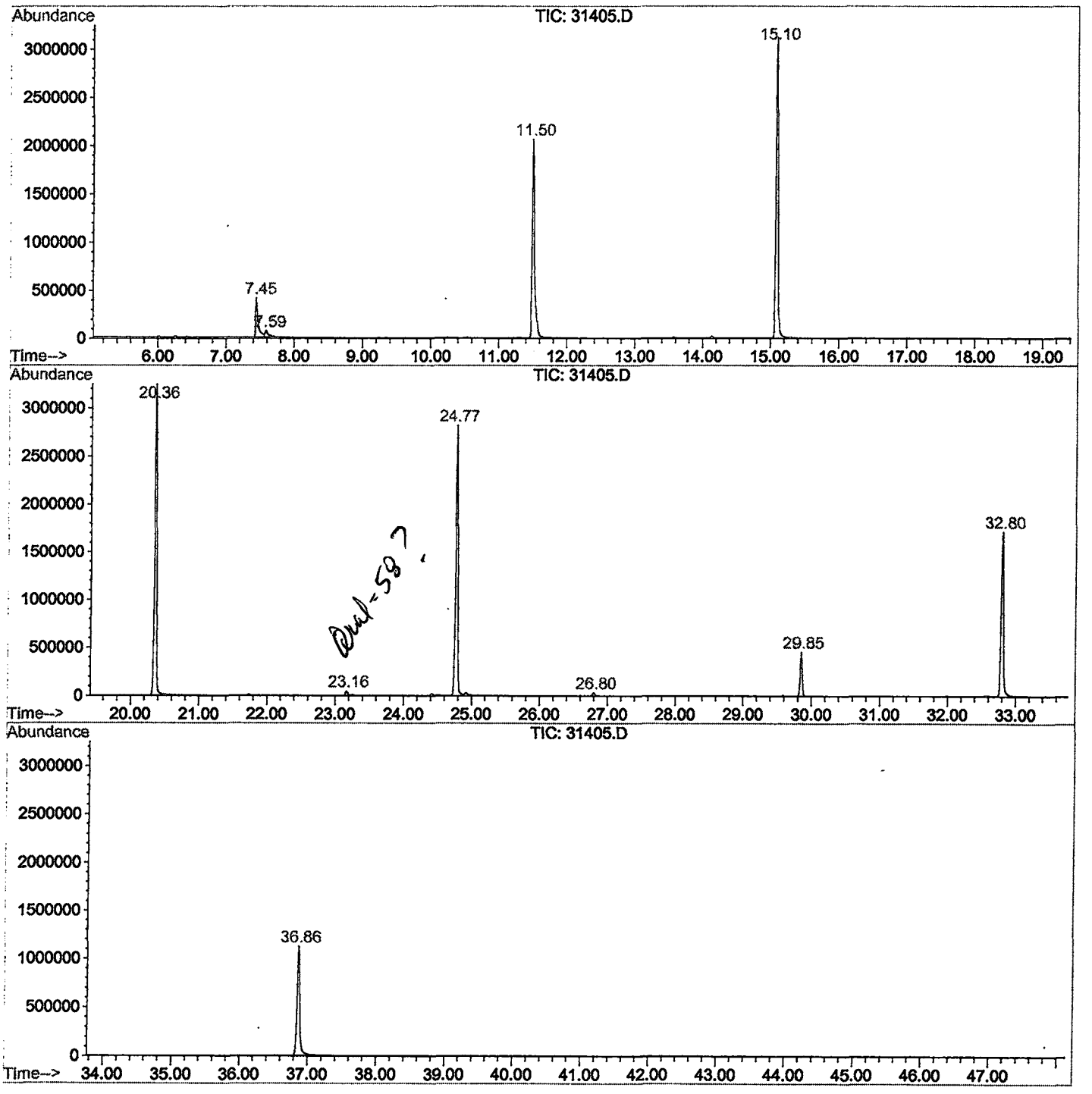
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	7.448	258	262	274	rBV	412816	997147	14.99%	2.948%
2	7.586	274	277	293	rVB	68629	236211	3.55%	0.698%
3	11.496	698	703	723	rBV	2061053	5125086	77.03%	15.150%
4	15.095	1089	1095	1112	rBV	3118601	6418470	96.47%	18.973%
5	20.355	1662	1668	1681	rBV	3246373	6653468	100.00%	19.667%
6	23.165	1969	1974	1981	rBV	46124	102002	1.53%	0.302%
7	24.771	2142	2149	2161	rBV2	2817723	6132758	92.17%	18.128%
8	26.800	2365	2370	2378	rBV	31997	69681	1.05%	0.206%
9	29.848	2697	2702	2709	rBV	453444	895472	13.46%	2.647%
10	32.804	3017	3024	3037	rBV2	1714021	4121867	61.95%	12.184%
11	36.862	3459	3466	3488	rBV	1119126	3077633	46.26%	9.097%

Sum of corrected areas: 33829795

31405.D GCMS0103.M Thu Feb 07 09:14:11 2002

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\JAN1602\31405.D
Operator : 209 GALOS
Acquired : 16 Jan 2002 9:25 pm using AcqMethod GCMS0103
Instrument : GC/MS 209
Sample Name: gc/ms scan 12/27
Misc Info :
Vial Number: 11
Quant File :GCMS0103.RES (RTE Integrator)



31405.D GCMS0103.M Thu Feb 07 09:14:16 2002

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\JAN1602\31405.D
Acq On : 16 Jan 2002 9:25 pm
Sample : gc/ms scan 12/27
Misc :
MS Integration Params: LSCINT.P

Vial: 11
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

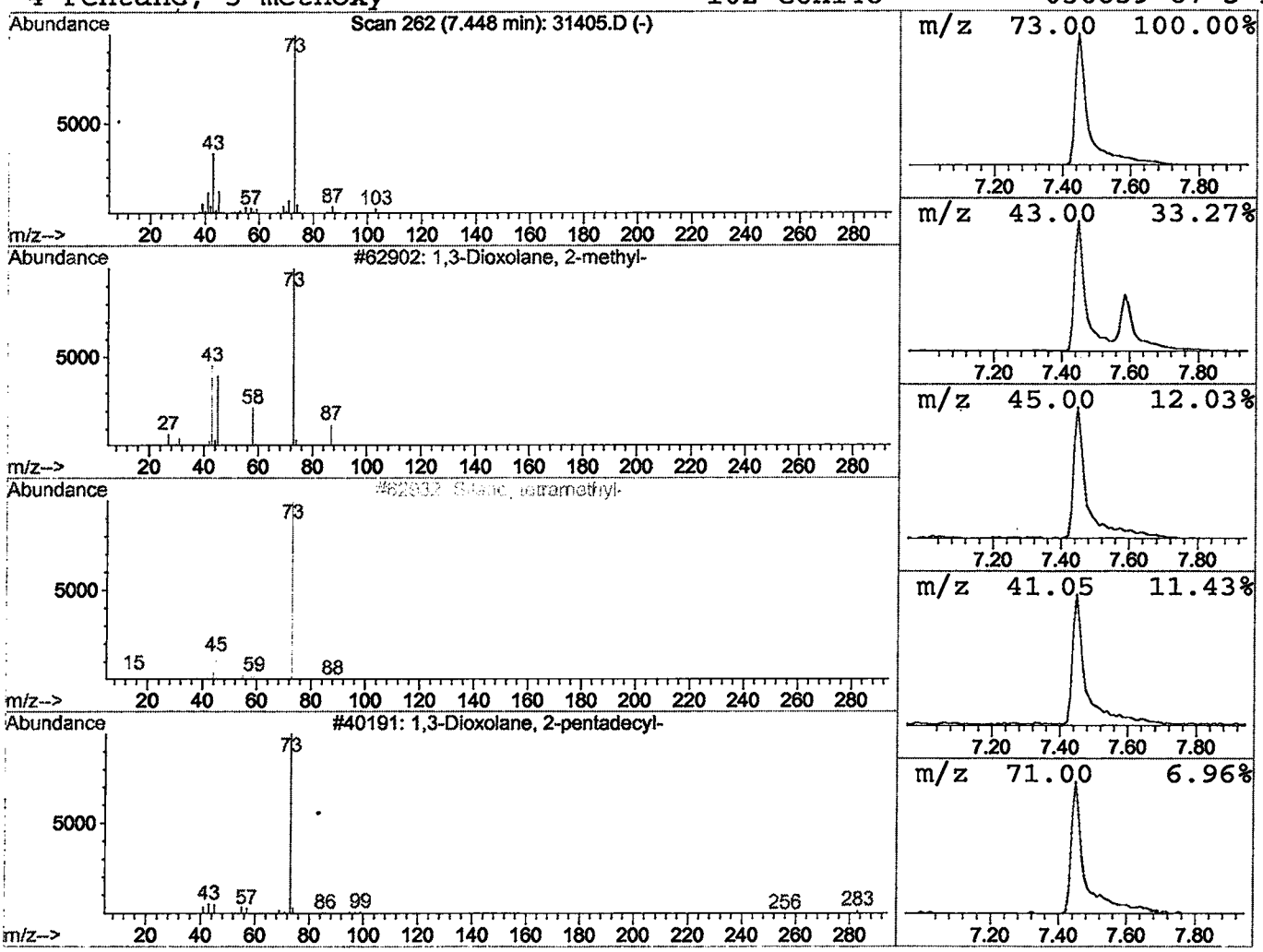
Quant Method : C:\HPCHEM\1\METHODS\GCMS0103.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 1,3-Dioxolane, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.45	3.89 ug/l	997147	1,4-Dichlorobenzene-d4	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9
2	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9
3	1,3-Dioxolane, 2-pentadecyl-	284	C18H36O2	004360-57-0	9
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	9



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\JAN1602\31405.D
Acq On : 16 Jan 2002 9:25 pm
Sample : gc/ms scan 12/27
Misc :
MS Integration Params: LSCINT.P

Vial: 11
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

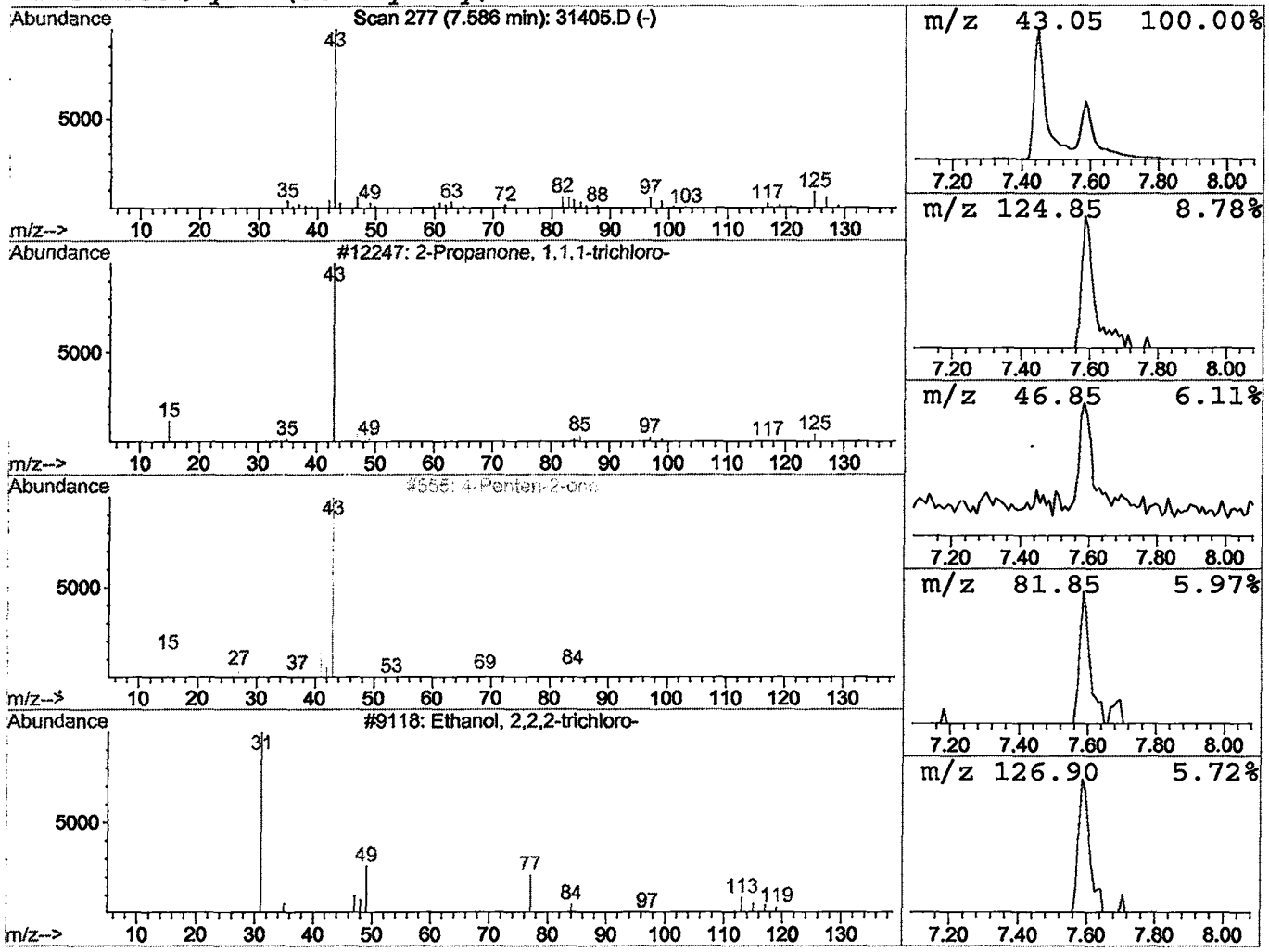
Quant Method : C:\HPCHEM\1\METHODS\GCMS0103.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 2-Propanone, 1,1,1-trichloro- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.59	0.92 ug/l	236211	1,4-Dichlorobenzene-d4	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanone, 1,1,1-trichloro-	160	C3H3Cl3O	000918-00-3	64
2	4-Penten-2-one	84	C5H8O	013891-87-7	9
3	Ethanol, 2,2,2-trichloro-	148	C2H3Cl3O	000115-20-8	9
4	1-Acetoxy-2-(dodecyloxy)ethane	272	C16H32O3	000000-00-0	9



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\JAN1602\31405.D
Acq On : 16 Jan 2002 9:25 pm
Sample : gc/ms scan 12/27
Misc :
MS Integration Params: LSCINT.P

Vial: 11
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

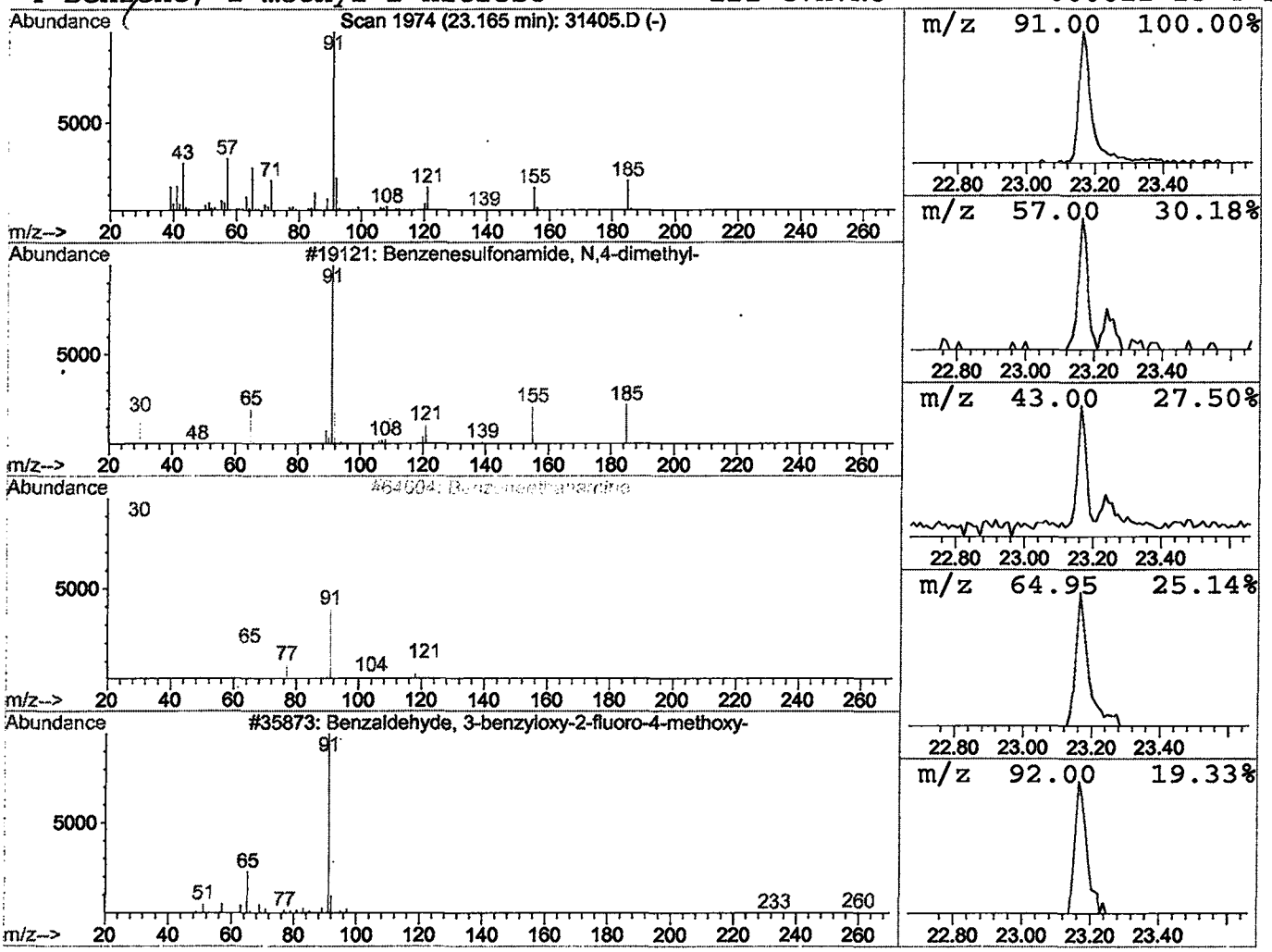
Quant Method : C:\HPCHEM\1\METHODS\GCMS0103.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 3 Benzenesulfonamide, N,4-dimeth Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.16	0.33 ug/l	102002	Phenanthrene-d10	24.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenesulfonamide, N,4-dimethyl-	185	C8H11NO2S	000640-61-9	58
2	Benzeneethanamine	121	C8H11N	000064-04-0	47
3	Benzaldehyde, 3-benzyloxy-2-fluoro-	260	C15H13FO3	000000-00-0	37
4	Benzene, 1-methyl-2-nitroso-	121	C7H7NO	000611-23-4	27



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\JAN1602\31405.D Vial: 11
Acq On : 16 Jan 2002 9:25 pm Operator: 209 GALOS
Sample : gc/ms scan 12/27 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

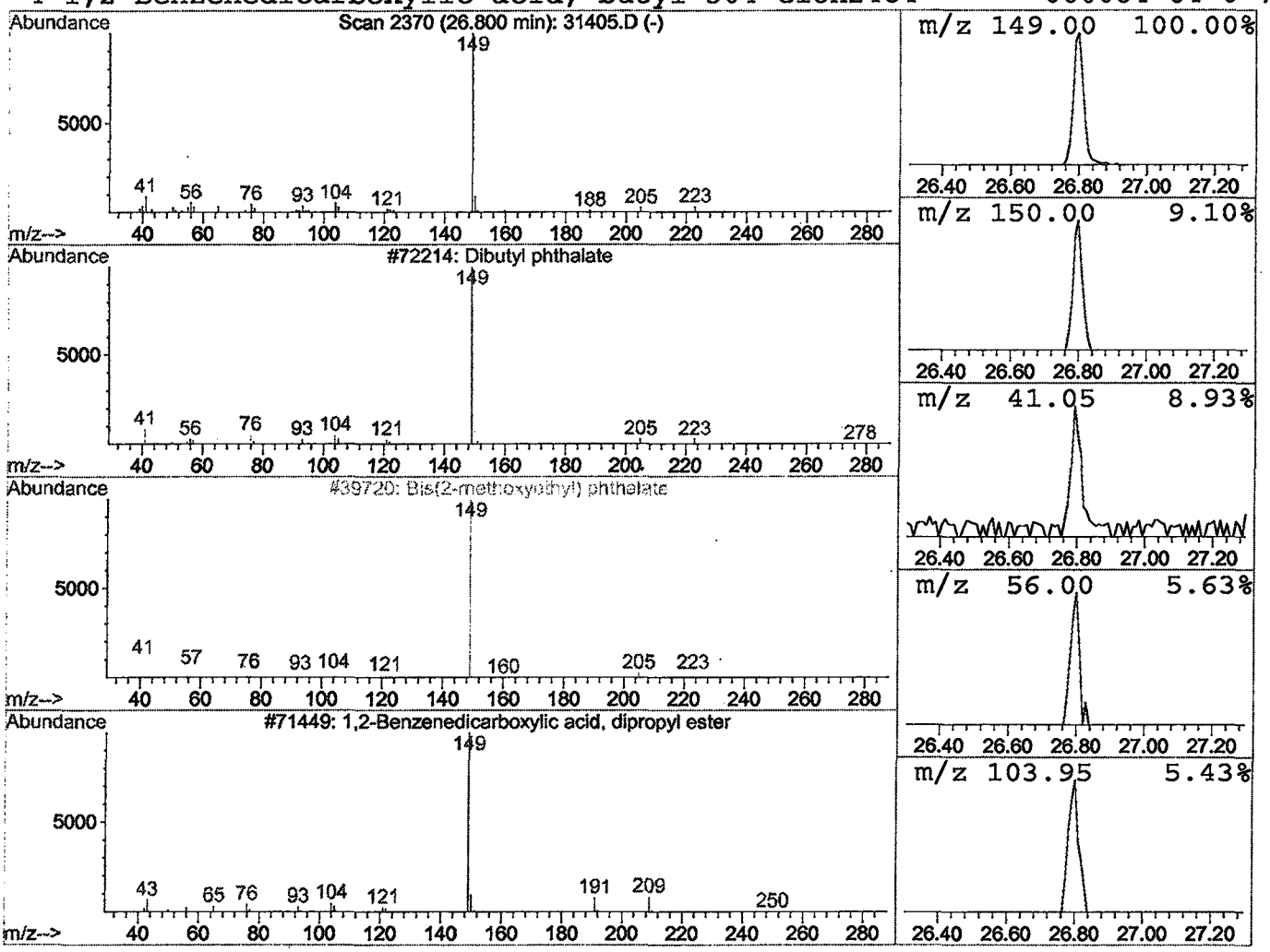
Quant Method : C:\HPCHEM\1\METHODS\GCMS0103.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 4 Dibutyl phthalate Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.80	0.23 ug/l	69681	Phenanthrene-d10	24.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibutyl phthalate	278	C16H22O4	000084-74-2	90
2	Bis(2-methoxyethyl) phthalate	282	C14H18O6	000117-82-8	83
3	1,2-Benzenedicarboxylic acid, dipro	250	C14H18O4	000131-16-8	78
4	1,2-Benzenedicarboxylic acid, butyl	304	C18H24O4	000084-64-0	78



Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 16 Jan 2002 9:25 pm
Data File: C:\HPCHEM\1\DATA\JAN1602\31405.D
Name: gc/ms scan 12/27
Misc:
Method: C:\HPCHEM\1\METHODS\GCMS0103.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
1,3-Dioxolane, 2-met	7.45	3.9	ug/l	997147	ISTD01	11.50	5125090	20.0
2-Propanone, 1,1,1-t	7.59	0.9	ug/l	236211	ISTD01	11.50	5125090	20.0
Benzenesulfonamide,	23.16	0.3	ug/l	102002	ISTD04	24.77	6132760	20.0
Dibutyl phthalate	26.80	0.2	ug/l	69681	ISTD04	24.77	6132760	20.0

31405.D GCMS0103.M Thu Feb 07 09:14:40 2002