Comments for Sample AD28163 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 12-06-2001 Time: 11:54:11

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds.
The recovery for the Surrogate Standard in this sample was 93%. Recoveries for 14 of the 44 compounds in the LCS Standard were outside of EPA 625 acceptance ranges. Soon however, GCMS method acceptance ranges will be established and used instead.

NOT DCP

User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 12/06/2001 Time: 11:54:55

Sample: AD28163
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 12/6/01 11:47 Ended: 12/6/01 11:47 Analyst: DLV
Result source: manual entry
Page: 1

	Component Name	Viol	Result
1	Other unknown compounds		.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DEC0501\28163.D Vial: 10
Acq On : 5 Dec 2001 9:25 pm Operator: 209 GALOS
Sample : re extract Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 5 22:13 2001 Quant Results File: GCMS1126.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed Nov 28 15:06:24 2001
Response via : Initial Calibration
DataAcq Meth : GCMS1126

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	11.71	152	814072	20.00	ug/l	0.01
15) Naphthalene-d8	15.31	136	3089698	20.00	ug/l	0.00
26) Acenaphthene-d10	20.59	164	1491151	20.00	ug/l	0.01
42) Phenanthrene-d10	25.00	188	2046459	20.00	ug/l	0.01
53) Chrysene-d12	33.04	240	1185748	20.00	ug/l	0.00
59) Perylene-d12	37.12	264	767673	20.00	ug/l	0.00
System Monitoring Compounds						
52) 2,4-DDD	30.08	235	113306	4.65	ug/mL	0.01
Spiked Amount 5.000			Recovery = 93.00%			
Target Compounds						Qvalue
2) Pyridine	0.00	79	0	N.D.		
3) N-nitroso-dimethyl amine	5.24	74	201	N.D.		
4) Phenol	0.00	94	0	N.D.		
5) bis(2-Chloroethyl)ether	0.00	93	0	N.D.		
6) 2-Chlorophenol	0.00	128	0	N.D.		
7) 1,3-Dichlorobenzene	0.00	146	0	N.D.		
8) 1,4-Dichlorobenzene	0.00	146	0	N.D.		
9) 1,2-Dichlorobenzene	0.00	146	0	N.D.		
10) 2-Methylphenol	0.00	108	0	N.D.		
11) 2,2'-oxybis(1-Chloropropan	0.00	45	0	N.D.		
12) 3&4-Methylphenol	0.00	108	0	N.D.		
13) N-Nitroso-di-n-propylamine	0.00	70	0	N.D.		
14) Hexachloroethane	0.00	117	0	N.D.		
16) Nitrobenzene	0.00	77	0	N.D.		
17) Isophorone	0.00	82	0	N.D.		
18) 2-Nitrophenol	0.00	139	0	N.D.		
19) 2,4-Dimethylphenol	0.00	107	0	N.D.		
20) bis(2-Chloroethoxy)methane	0.00	93	0	N.D.		
21) 2,4-Dichlorophenol	0.00	162	0	N.D.		
22) 1,2,4-Trichlorobenzene	0.00	180	0	N.D.		
23) Naphthalene	15.37	128	1984	N.D.		
24) Hexachlorobutadiene	0.00	225	0	N.D.		
25) 4-Chloro-3-methylphenol	0.00	107	0	N.D.		
27) Hexachlorocyclopentadiene	0.00	237	0	N.D.		
28) 2,4,6-Trichlorophenol	0.00	196	0	N.D.		
29) 2,4,5-Trichlorophenol	0.00	196	0	N.D.		
30) 2-Chloronaphthalene	0.00	162	0	N.D.		
31) Dimethylphthalate	0.00	163	0	N.D.		
32) 2,6-Dinitrotoluene	0.00	165	0	N.D.		

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

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Title : 209 625/TCLP calibration table
Last Update : Wed Nov 28 15:06:24 2001
Response via : Initial Calibration
DataAcq Meth : GCMS1126

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
33) Acenaphthylene	0.00	152	0	N.D.	
34) Acenaphthene	0.00	153	0	N.D.	
35) 2,4-Dinitrophenol	0.00	184	0	N.D.	
36) 4-Nitrophenol	0.00	65	0	N.D.	
37) 2,4-Dinitrotoluene	21.05	165	111	N.D.	
38) Diethylphthalate	22.10	149	1658	N.D.	
39) 4-Chlorophenyl-phenylether	0.00	204	0	N.D.	
40) Fluorene	0.00	166	0	N.D.	
41) Azobenzen/ 1,2-Diphenylhyd	22.83	77	189	N.D.	
43) 4,6-Dinitro-2-methylphenol	0.00	198	0	N.D.	
44) N-Nitrosodiphenylamine	0.00	168	0	N.D.	
45) 4-Bromophenyl-phenylether	0.00	248	0	N.D.	
46) Hexachlorobenzene	0.00	284	0	N.D.	
47) Pentachlorophenol	0.00	266	0	N.D.	
48) Phenanthrene	25.08	178	275	N.D.	
49) Anthracene	25.08	178	275	N.D.	
50) Di-n-butylphthalate	27.02	149	11129	N.D.	
51) Fluoranthene	0.00	202	0	N.D.	
54) Pyrene	0.00	202	0	N.D.	
55) Butylbenzylphthalate	0.00	149	0	N.D.	
56) Benzo(a)anthracene	33.04	228	2957	N.D.	
57) Bis(2-ethylhexyl)phthalate	33.31	149	9674	N.D.	
58) Chrysene	33.04	228	2957	N.D.	
60) Di-n-Octylphthalate	35.08	149	308	N.D.	
61) Benzo(b)fluoranthene	0.00	252	0	N.D.	
62) Benzo(k)fluoranthene	0.00	252	0	N.D.	
63) Benzo(a)pyrene	37.13	252	3162	N.D.	
64) Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.	
65) Dibenz(a,h)anthracene	0.00	278	0	N.D.	
66) Benzo(g,h,i)perylene	0.00	276	0	N.D.	

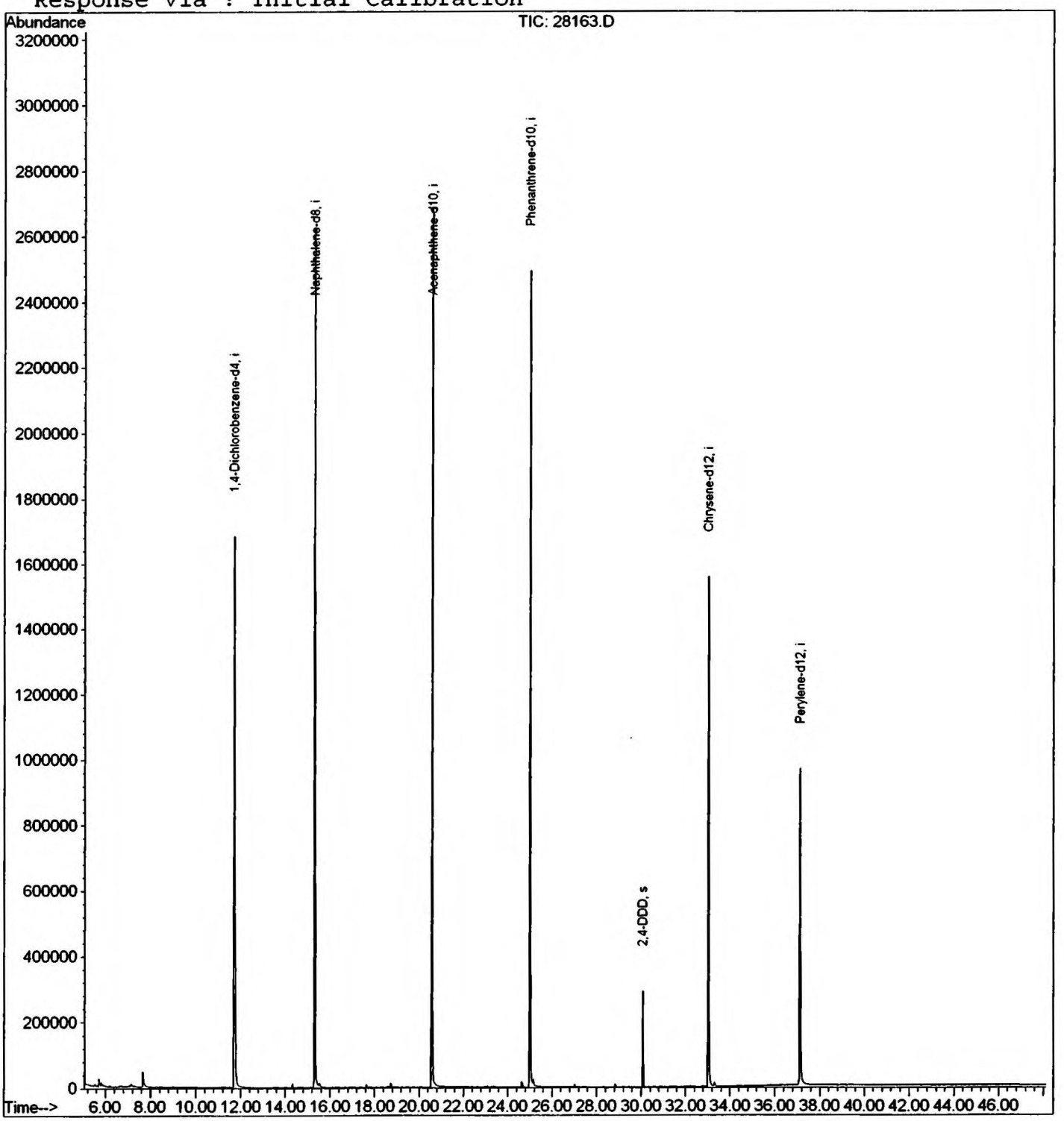
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\DEC0501\28163.D
Acq On : 5 Dec 2001 9:25 pm
Sample : re extract
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 5 22:13 2001

Vial: 10
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00
Quant Results File: GCMS1126.RES

Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed Nov 28 15:06:24 2001
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\DEC0501\28163.D Vial: 10
Acq On : 5 Dec 2001 9:25 pm Operator: 209 GALOS
Sample : re extract Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\GCMS1126.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

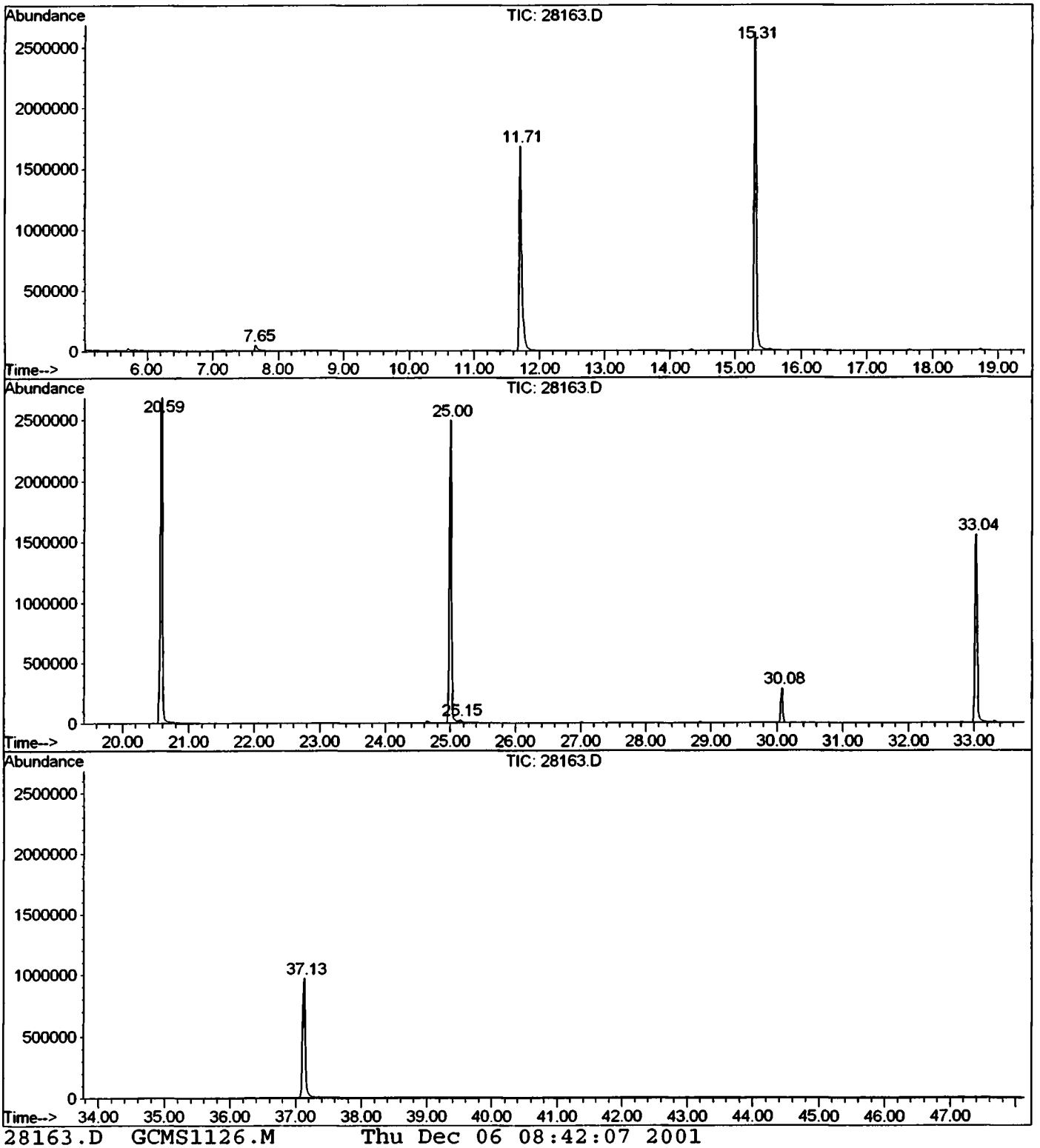
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	7.654	281	284	295	rBV	47072	137752	2.29%	0.476%
2	11.712	721	726	745	rBV	1681783	4396850	72.94%	15.193%
3	15.311	1113	1118	1135	rBV	2621143	5757038	95.50%	19.894%
4	20.589	1686	1693	1719	rBV	2685664	6028053	100.00%	20.830%
5	25.005	2167	2174	2186	rBV2	2492109	5427657	90.04%	18.755%
6	25.152	2186	2190	2198	rVB2	22404	65551	1.09%	0.227%
7	30.082	2722	2727	2737	rVB	289240	604377	10.03%	2.088%
8	33.038	3042	3049	3067	rBV2	1556294	3705439	61.47%	12.804%
9	37.132	3487	3495	3515	rBV2	962872	2816501	46.72%	9.732%

Sum of corrected areas: 28939218

28163.D GCMS1126.M Thu Dec 06 08:42:05 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\DEC0501\28163.D
Operator : 209 GALOS
Acquired : 5 Dec 2001 9:25 pm using AcqMethod GCMS1126
Instrument : GC/MS 209
Sample Name: re extract
Misc Info :
Vial Number: 10
Quant File :GCMS1126.RES (RTE Integrator)



28163.D GCMS1126.M Thu Dec 06 08:42:07 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0501\28163.D
Acq On : 5 Dec 2001 9:25 pm
Sample : re extract
Misc :
MS Integration Params: LSCINT.P

Vial: 10
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

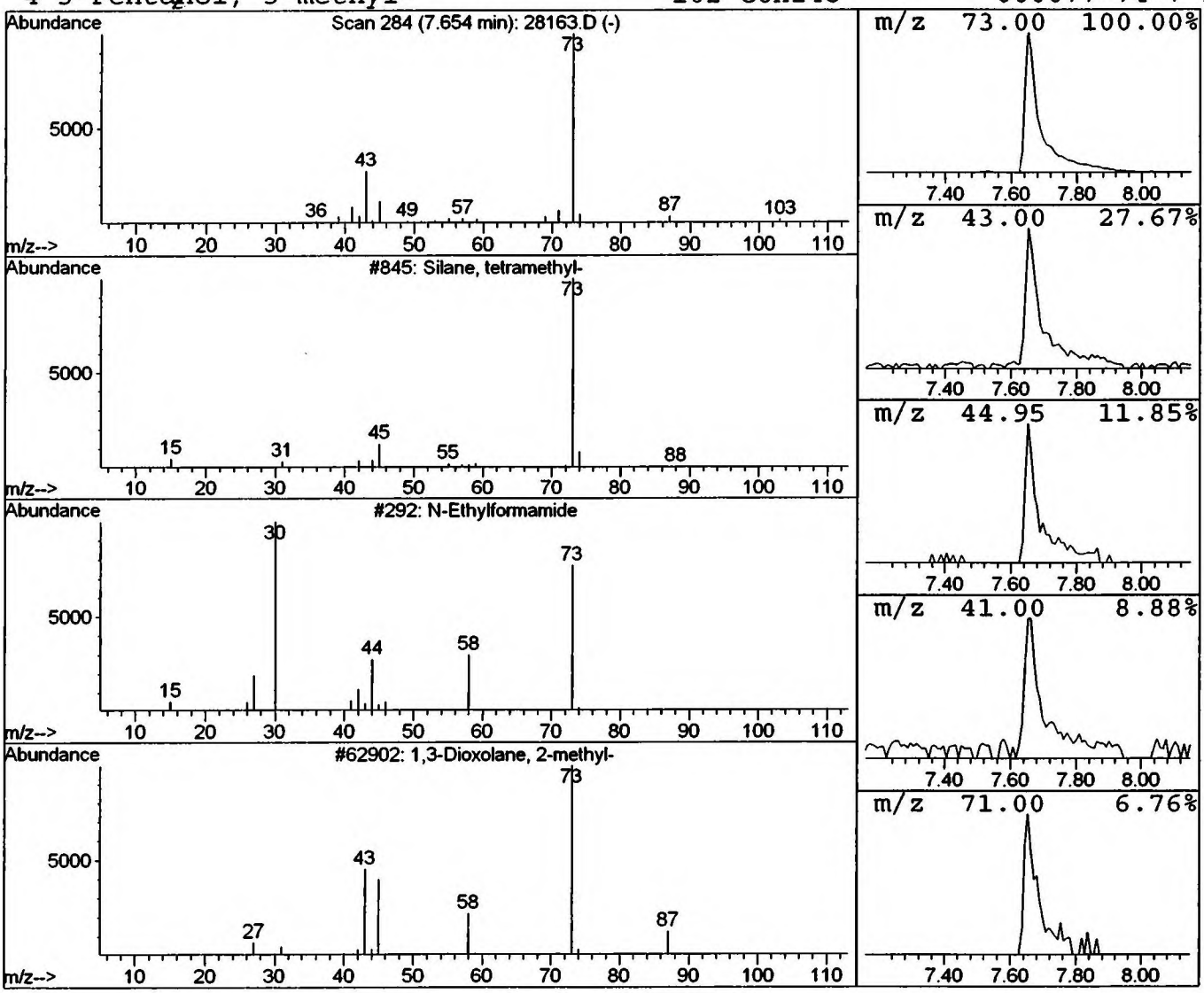
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Silane, tetramethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.65	0.63 ug/l	137752	1,4-Dichlorobenzene-d4	11.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silane, tetramethyl-	88	C4H12Si	000075-76-3	43
2	N-Ethylformamide	73	C3H7NO	000627-45-2	9
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9
4	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	9



Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 5 Dec 2001 9:25 pm
Data File: C:\HPCHEM\1\DATA\DEC0501\28163.D
Name: re extract
Misc:
Method: C:\HPCHEM\1\METHODS\GCMS1126.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
Silane, tetramethyl-	7.65	0.6	ug/l	137752	ISTD01	11.71	4396850	20.0

28163.D GCMS1126.M Thu Dec 06 08:42:11 2001