Comments for Sample AD28593 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 12-07-2001 Time: 14:30:48

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 71%. Recoveries for 16 of the 44 compounds in the LCS Standard were outside of their acceptance ranges.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\NOV2901\28593.D Vial: 36
Acq On : 29 Nov 2001 9:24 pm Operator: 209 GALOS
Sample : 11/23 scan Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 30 15:13 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	11.70	152	864713	20.00	ug/l	0.00
15) Naphthalene-d8	15.30	136	3267477	20.00	ug/l	0.00
26) Acenaphthene-d10	20.57	164	1531410	20.00	ug/l	0.00
42) Phenanthrene-d10	24.99	188	2045010	20.00	ug/l	0.00
53) Chrysene-d12	33.02	240	984286	20.00	ug/l	-0.01
59) Perylene-d12	37.12	264	628290	20.00	ug/l	0.00
System Monitoring Compounds						
52) 2,4-DDD	30.07	235	86355	3.55	ug/mL	0.00
Spiked Amount 5.000			Recovery = 71.00%			
Target Compounds						Qvalue
2) Pyridine	0.00	79	0	N.D.		
3) N-nitroso-dimethyl amine	5.36	74	189	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	15.36	128	619	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.	d	

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

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Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 30 15:13 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

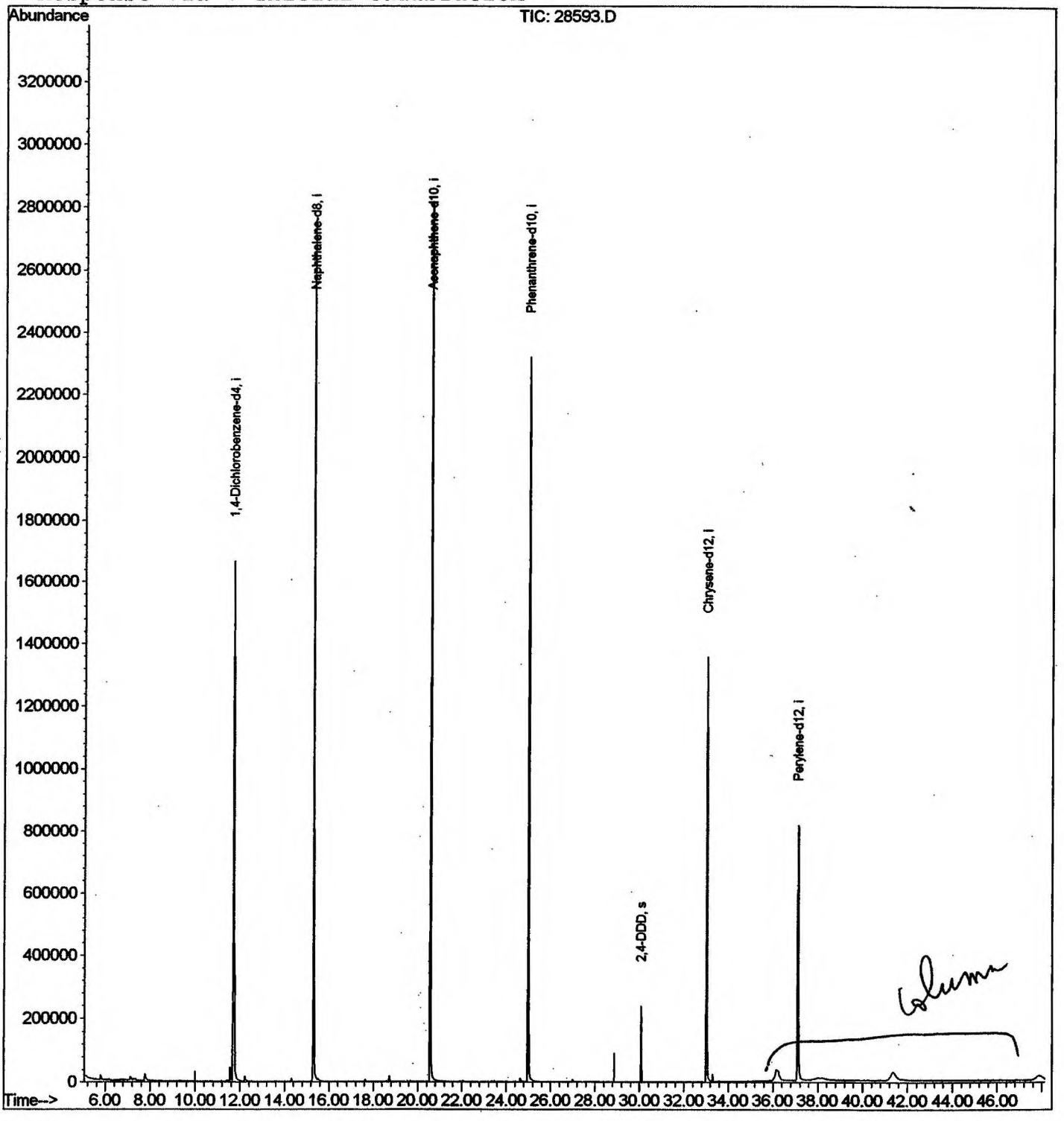
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
33)	Acenaphthylene	0.00	152	0	N.D.	
34)	Acenaphthene	0.00	153	0	N.D.	
35)	2,4-Dinitrophenol	0.00	184	0	N.D.	
36)	4-Nitrophenol	0.00	65	0	N.D.	
37)	2,4-Dinitrotoluene	20.97	165	283	N.D.	
38)	Diethylphthalate	22.08	149	1017	N.D.	
39)	4-Chlorophenyl-phenylether	0.00	204	0	N.D.	
40)	Fluorene	0.00	166	0	N.D.	
41)	Azobenzen/ 1,2-Diphenylhyd	0.00	77	0	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	25.06	178	244	N.D.	
49)	Anthracene	25.06	178	244	N.D.	
50)	Di-n-butylphthalate	27.00	149	9267	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	33.01	228	2513	N.D.	
57)	Bis(2-ethylhexyl)phthalate	33.30	149	12179	N.D.	
58)	Chrysene	33.01	228	2513	N.D.	
60)	Di-n-Octylphthalate	0.00	149	0	N.D.	
61)	Benzo(b)fluoranthene	36.14	252	312	N.D.	
62)	Benzo(k)fluoranthene	36.14	252	213	N.D.	
63)	Benzo(a)pyrene	37.12	252	2487	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\NOV2901\28593.D Vial: 36
Acq On : 29 Nov 2001 9:24 pm Operator: 209 GALOS
Sample : 11/23 scan Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 30 15:13 2001 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\NOV2901\28593.D Vial: 36
Acq On : 29 Nov 2001 9:24 pm Operator: 209 GALOS
Sample : 11/23 scan 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	7.768	293	297	305	rBV	20469	61621	1.01%	0.217%
2	11.559	707	710	720	rBV	43089	112871	1.85%	0.398%
3	11.697	720	725	747	rBV	1663378	4558765	74.65%	16.070%
4	15.305	1112	1118	1136	rBV	2757199	6004776	98.33%	21.167%
5	20.574	1686	1692	1716	rBV	2816318	6106490	100.00%	21.526%
6	24.990	2167	2173	2187	rBV2	2318330	5186884	84.94%	18.284%
7	30.067	2721	2726	2734	rBV	237922	466729	7.64%	1.645%
8	33.023	3041	3048	3064	rBV2	1355635	3108213	50.90%	10.957%
9	36.153	3371	3389	3391	rBV4	33945	172371	2.82%	0.608%
10	37.117	3485	3494	3508	rBV2	812847	2288676	37.48%	8.068%
11	41.359	3930	3956	3959	rBV6	25849	227048	3.72%	0.800%
12	47.877	4647	4666	4669	rBV6	9705	74037	1.21%	0.261%

Sum of corrected areas: 28368481

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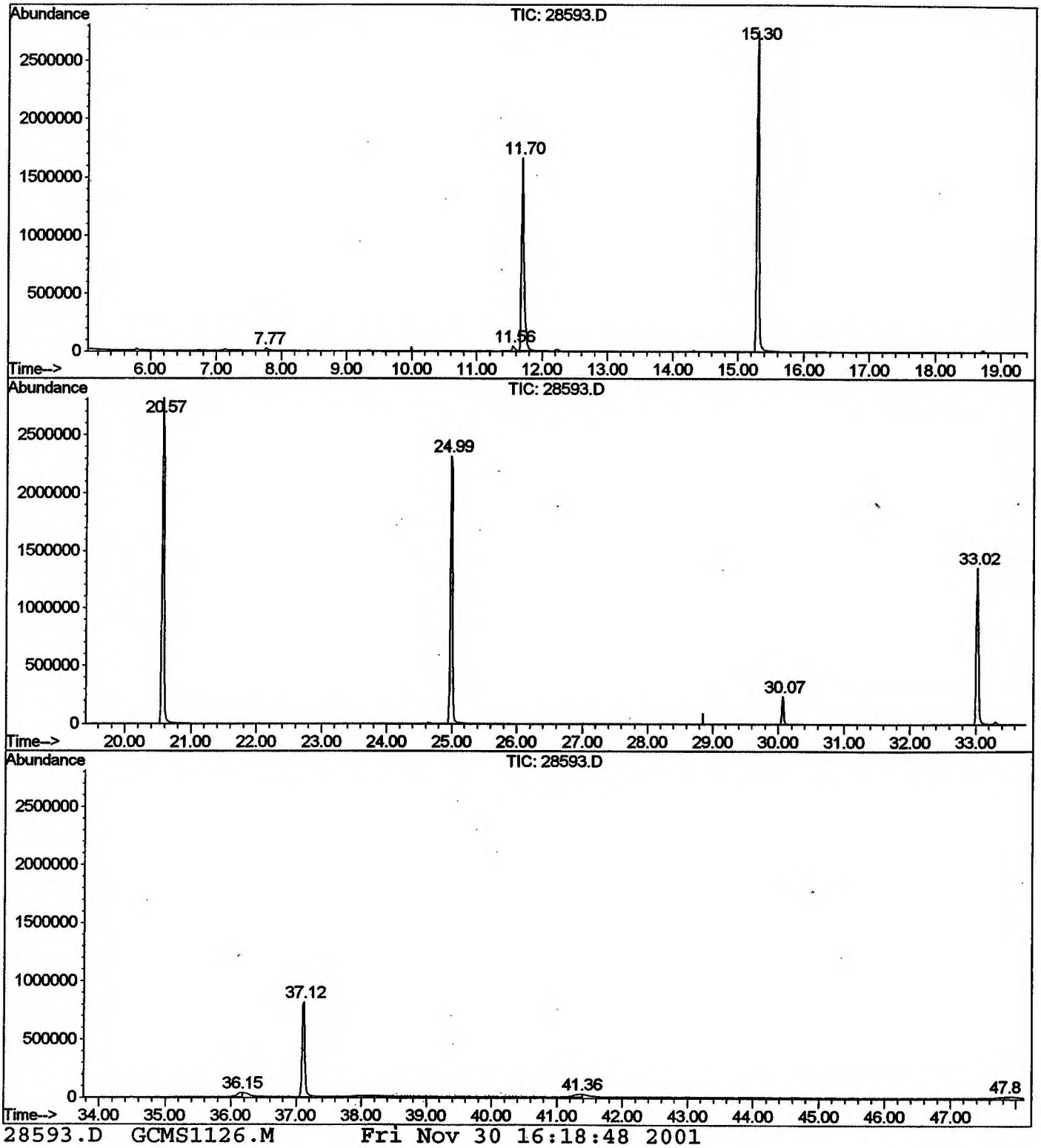
LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\NOV2901\28593.D
Operator : 209 GALOS
Acquired : 29 Nov 2001 9:24 pm using AcqMethod GCMS1126
Instrument : GC/MS 209
Sample Name: 11/23 scan
Misc Info :
Vial Number: 36
Quant File :GCMS1126.RES (RTE Integrator)



28593.D GCMS1126.M Fri Nov 30 16:18:48 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV2901\28593.D
Acq On : 29 Nov 2001 9:24 pm
Sample : 11/23 scan
Misc :
MS Integration Params: LSCINT.P

Vial: 36
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

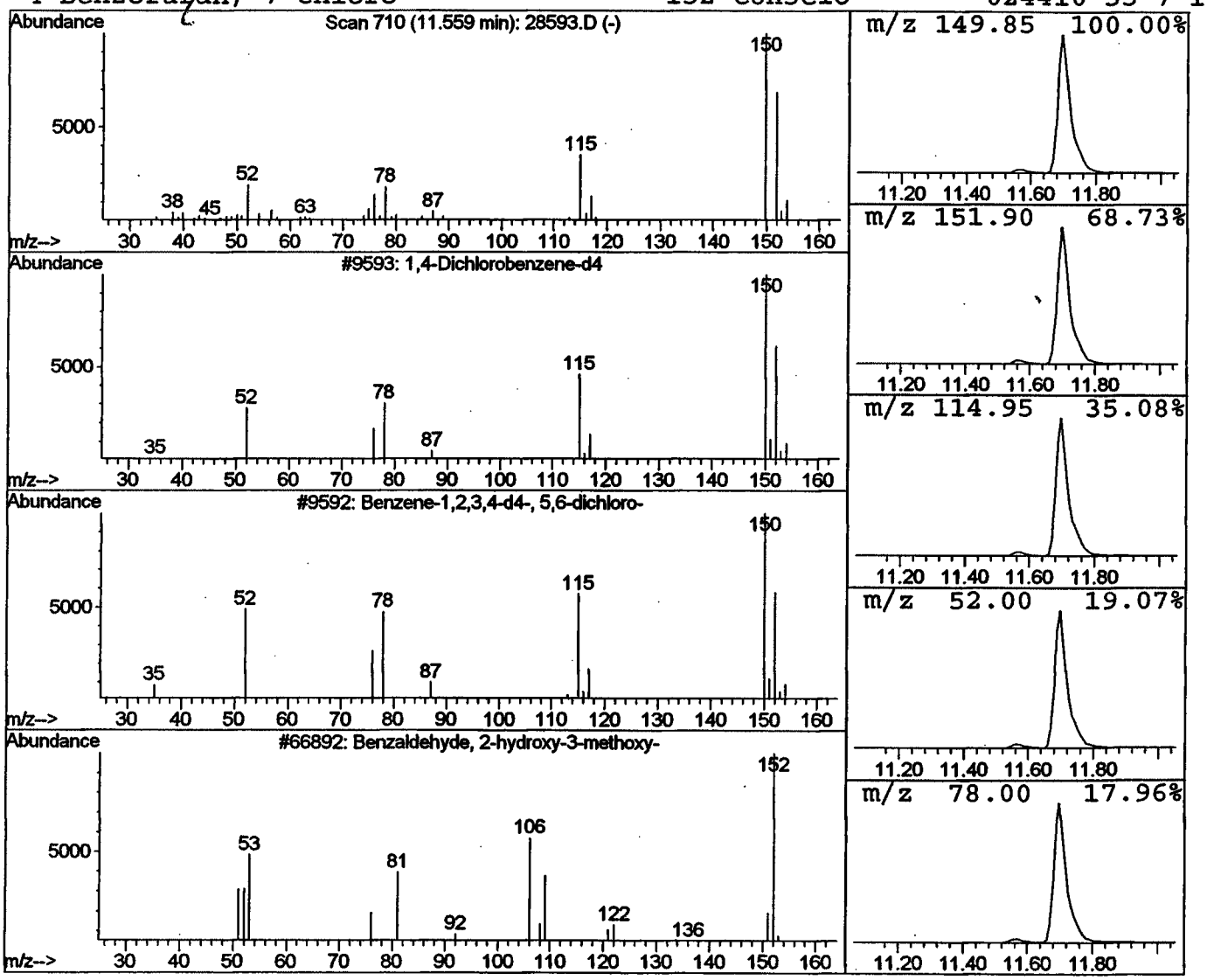
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.56	0.50 ug/l	112871	1,4-Dichlorobenzene-d4	11.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Dichlorobenzene-d4	150	C6Cl2D4	003855-82-1	59
2	Benzene-1,2,3,4-d4-, 5,6-dichloro-	150	C6Cl2D4	002199-69-1	40
3	Benzaldehyde, 2-hydroxy-3-methoxy-	152	C8H8O3	000148-53-8	38
4	Benzofuran, 7-chloro-	152	C8H5ClO	024410-55-7	10



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV2901\28593.D
Acq On : 29 Nov 2001 9:24 pm
Sample : 11/23 scan
Misc :
MS Integration Params: LSCINT.P

Vial: 36
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

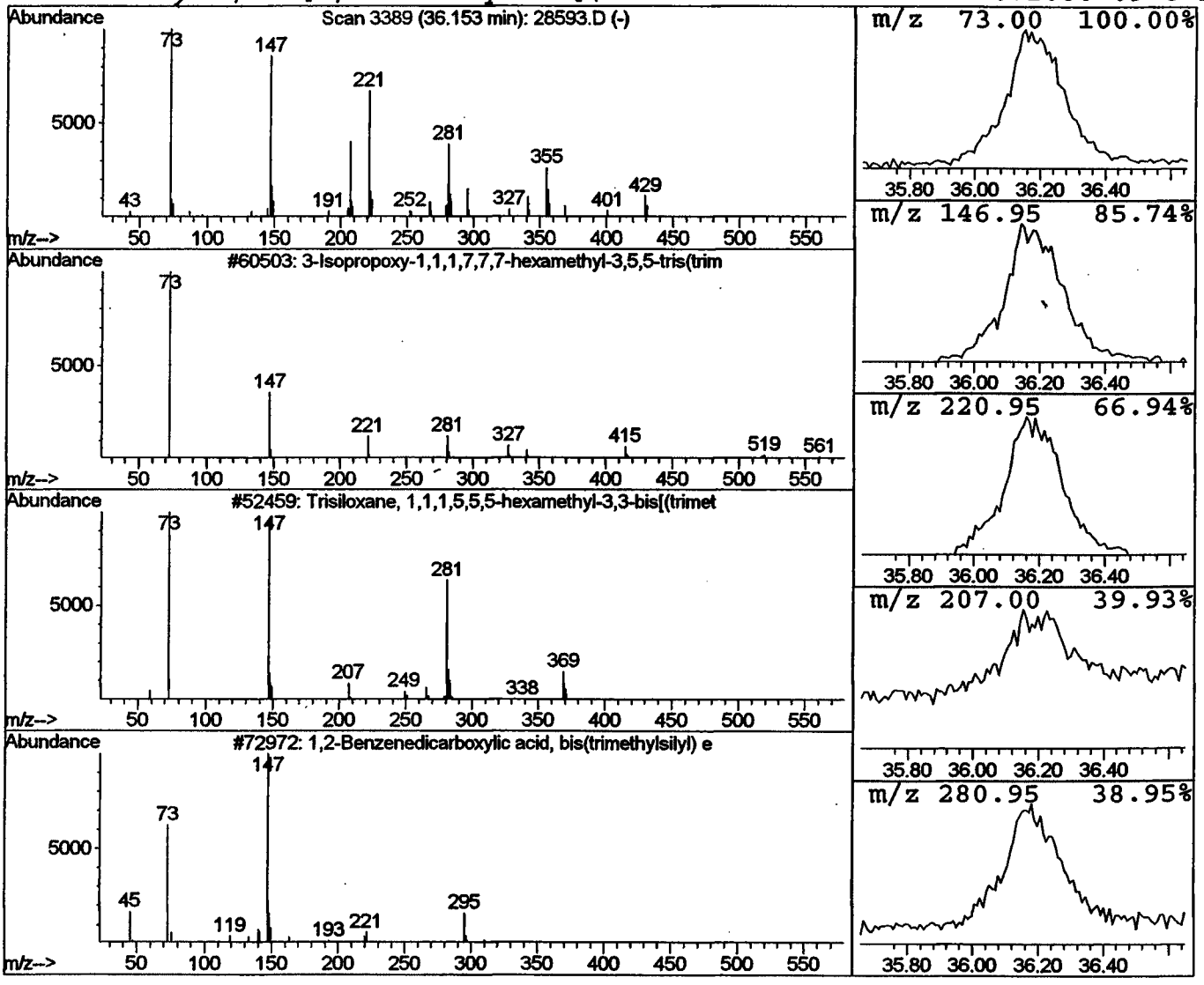
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 3-Isopropoxy-1,1,1,7,7,7-hexam Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
36.15	1.51 ug/l	172371	Perylene-d12	37.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Isopropoxy-1,1,1,7,7,7-hexamethyl	576	C18H52O7Si7	071579-69-6	25
2	Trisiloxane, 1,1,1,5,5,5-hexamethyl	384	C12H36O4Si5	003555-47-3	25
3	1,2-Benzenedicarboxylic acid, bis(t	310	C14H22O4Si2	002078-22-0	14
4	Silanamine, N-[2,6-dimethyl-4-[(tri	281	C14H27NOSi2	072088-09-6	11



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV2901\28593.D
Acq On : 29 Nov 2001 9:24 pm
Sample : 11/23 scan
Misc :
MS Integration Params: LSCINT.P

Vial: 36
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

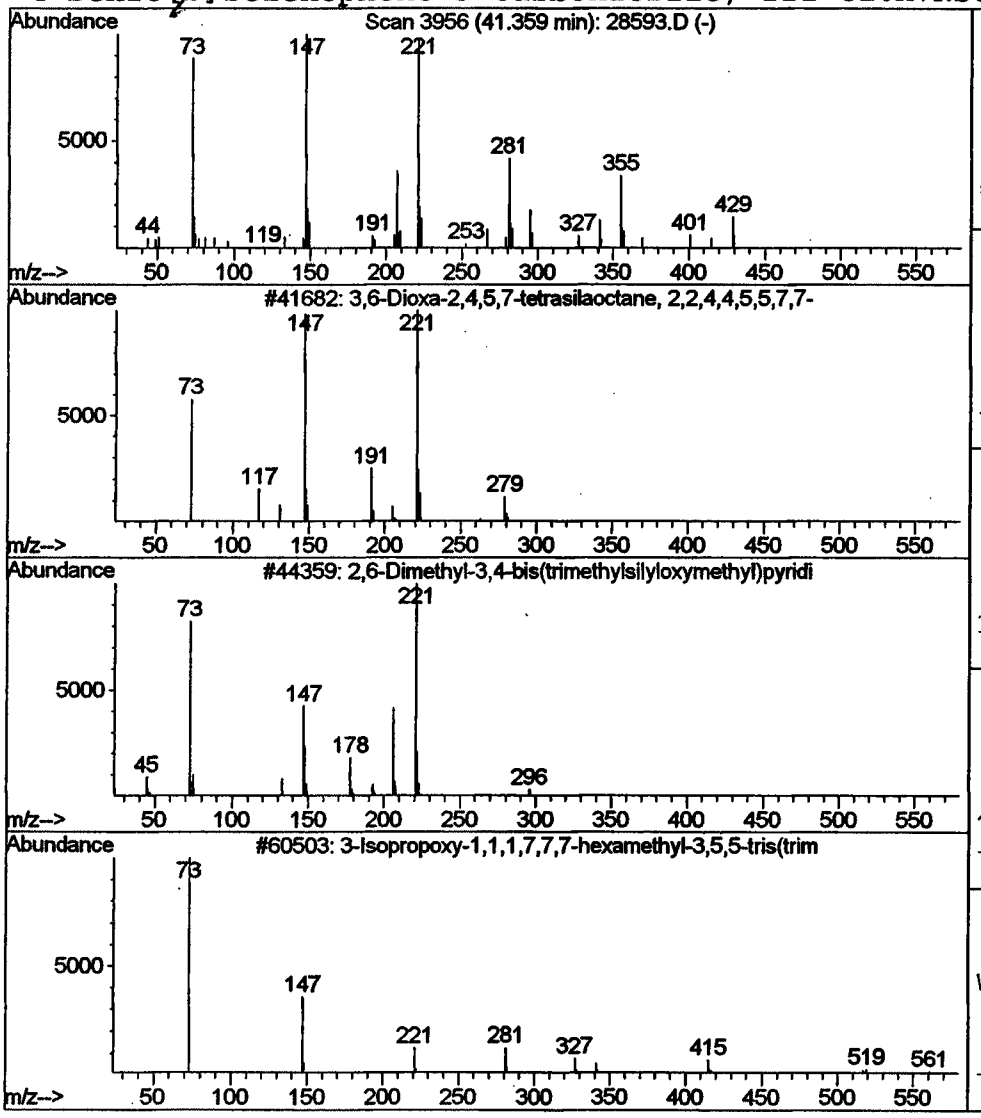
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

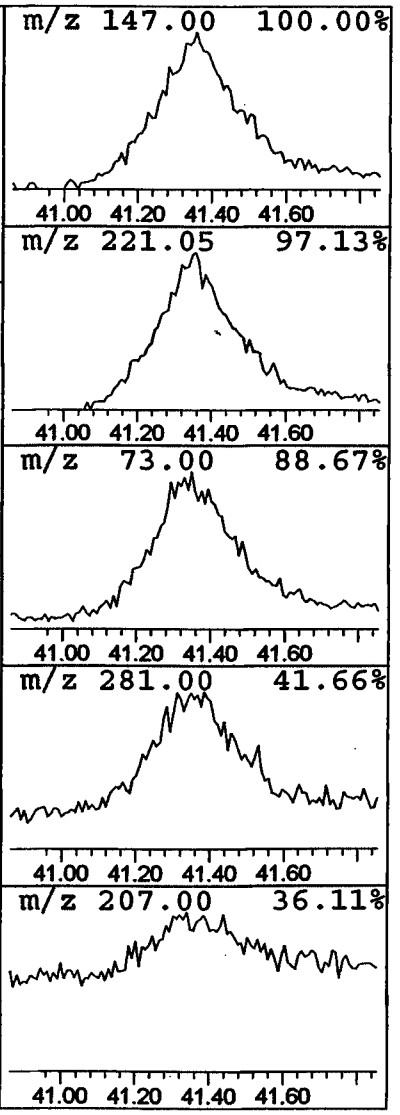
****

Peak Number 3 3,6-Dioxa-2,4,5,7-tetrasilaoct Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
41.36	1.98 ug/l	227048	Perylene-d12	37.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,6-Dioxa-2,4,5,7-tetrasilaoctane,	294	C10H30O2Si4	004342-25-0	40
2	2,6-Dimethyl-3,4-bis(trimethylsilyl	311	C15H29NO2Si2	000000-00-0	23
3	3-Isopropoxy-1,1,1,7,7,7-hexamethyl	576	C18H52O7Si7	071579-69-6	23
4	Benzo[b]selenophene-3-carbonitrile,	221	C10H7NSe	037007-54-8	22





Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV2901\28593.D
Acq On : 29 Nov 2001 9:24 pm
Sample : 11/23 scan
Misc :
MS Integration Params: LSCINT.P

Vial: 36
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

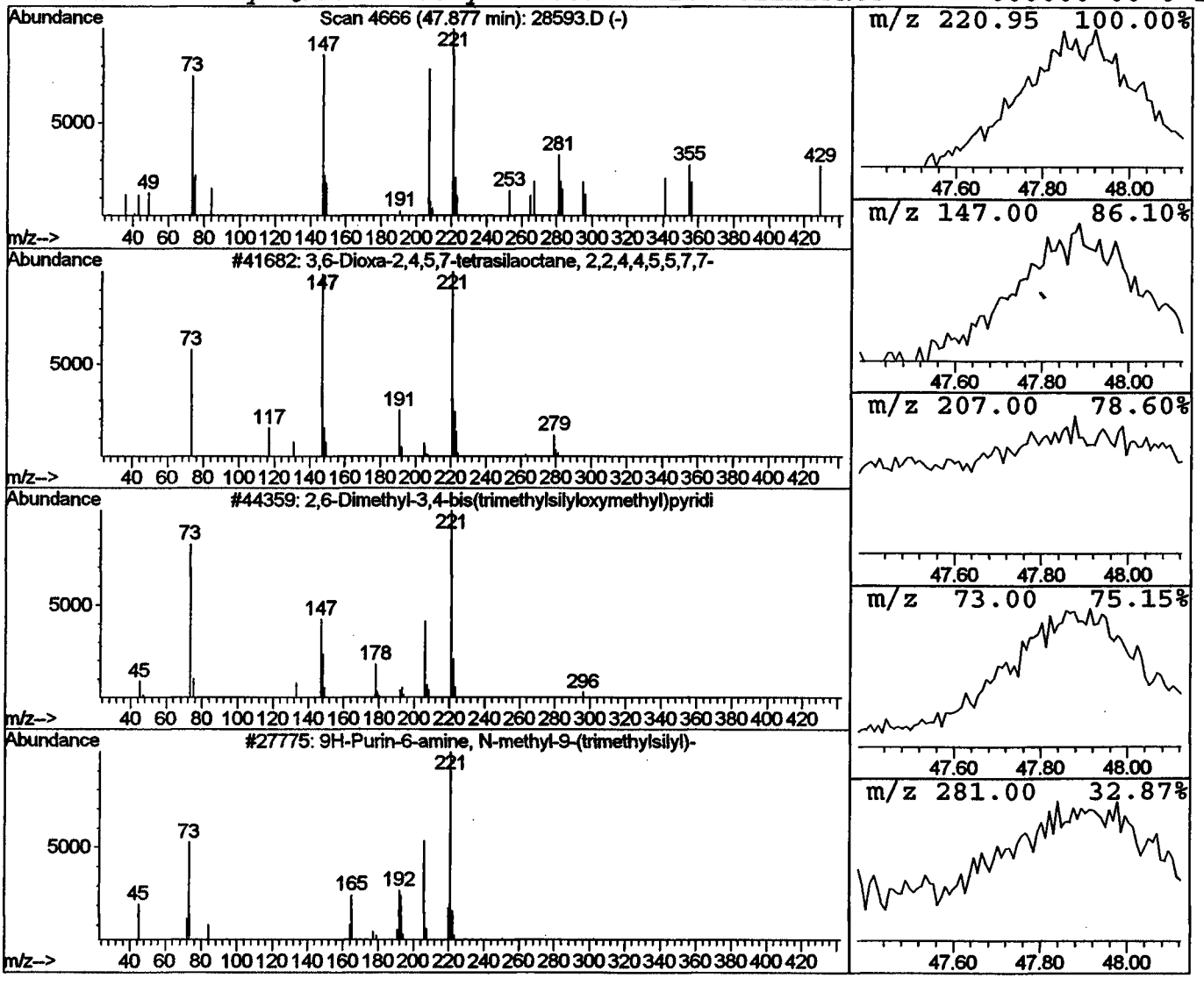
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 4 3,6-Dioxa-2,4,5,7-tetrasilaoct Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
47.88	0.65 ug/l	74037	Perylene-d12	37.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,6-Dioxa-2,4,5,7-tetrasilaoctane,	294	C10H30O2Si4	004342-25-0	23
2	2,6-Dimethyl-3,4-bis(trimethylsilyl	311	C15H29NO2Si2	000000-00-0	16
3	9H-Purin-6-amine, N-methyl-9-(trime	221	C9H15N5Si	032865-83-1	14
4	cis-4-Ethoxy-.beta.-methyl-.beta.-n	207	C11H13NO3	000000-00-0	10



Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 29 Nov 2001 9:24 pm
Data File: C:\HPCHEM\1\DATA\NOV2901\28593.D
Name: 11/23 scan
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
1,4-Dichlorobenzene-	11.56	0.5	ug/l	112871	ISTD01	11.70	4558770	20.0
3-Isopropoxy-1,1,1,7	36.15	1.5	ug/l	172371	ISTD06	37.12	2288680	20.0
3,6-Dioxa-2,4,5,7-te	41.36	2.0	ug/l	227048	ISTD06	37.12	2288680	20.0
3,6-Dioxa-2,4,5,7-te	47.88	0.6	ug/l	74037	ISTD06	37.12	2288680	20.0

28593.D GCMS1126.M Fri Nov 30 16:19:00 2001