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Comments for Sample AD28649 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 12-07-2001 Time: 14:33:15

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 98%. Recoveries for 16 of the 44 compounds in the LCS Standard were outside of their acceptance ranges. The pH of this sample when received was less than 2

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Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\NOV2901\28649.D Vial: 48
Acq On : 30 Nov 2001 9:38 am 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	846709	20.00	ug/l	0.00
15) Naphthalene-d8	15.31	136	3265367	20.00	ug/l	0.00
26) Acenaphthene-d10	20.57	164	1572585	20.00	ug/l	0.00
42) Phenanthrene-d10	24.99	188	2166689	20.00	ug/l	0.00
53) Chrysene-d12	33.02	240	1187813	20.00	ug/l	-0.01
59) Perylene-d12	37.12	264	752652	20.00	ug/l	0.00
System Monitoring Compounds						
52) 2,4-DDD	30.07	235	126183	4.89	ug/mL	0.00
Spiked Amount 5.000			Recovery = 97.80%			
Target Compounds						Qvalue
2) Pyridine	0.00	79	0	N.D.		
3) N-nitroso-dimethyl amine	5.11	74	794	N.D.		
4) Phenol	10.89	94	183	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	545	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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Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\NOV2901\28649.D Vial: 48
Acq On : 30 Nov 2001 9:38 am 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

	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	21.13	65	1615	N.D.	
37)	2,4-Dinitrotoluene	20.92	165	756	N.D.	
38)	Diethylphthalate	22.10	149	517	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	22.75	168	240	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	24.99	178	581	N.D.	
49)	Anthracene	24.99	178	581	N.D.	
50)	Di-n-butylphthalate	27.00	149	18485	N.D.	
51)	Fluoranthene	0.00	202	0	N.D.	
54)	Pyrene	0.00	202	0	N.D.	
55)	Butylbenzylphthalate	31.50	149	201	N.D.	
56)	Benzo(a)anthracene	33.02	228	2779	N.D.	
57)	Bis(2-ethylhexyl)phthalate	33.30	149	4625	N.D.	
58)	Chrysene	33.02	228	2779	N.D.	
60)	Di-n-Octylphthalate	35.48	149	391	N.D.	
61)	Benzo(b)fluoranthene	36.15	252	199	N.D.	
62)	Benzo(k)fluoranthene	36.15	252	199	N.D.	
63)	Benzo(a)pyrene	37.12	252	3172	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

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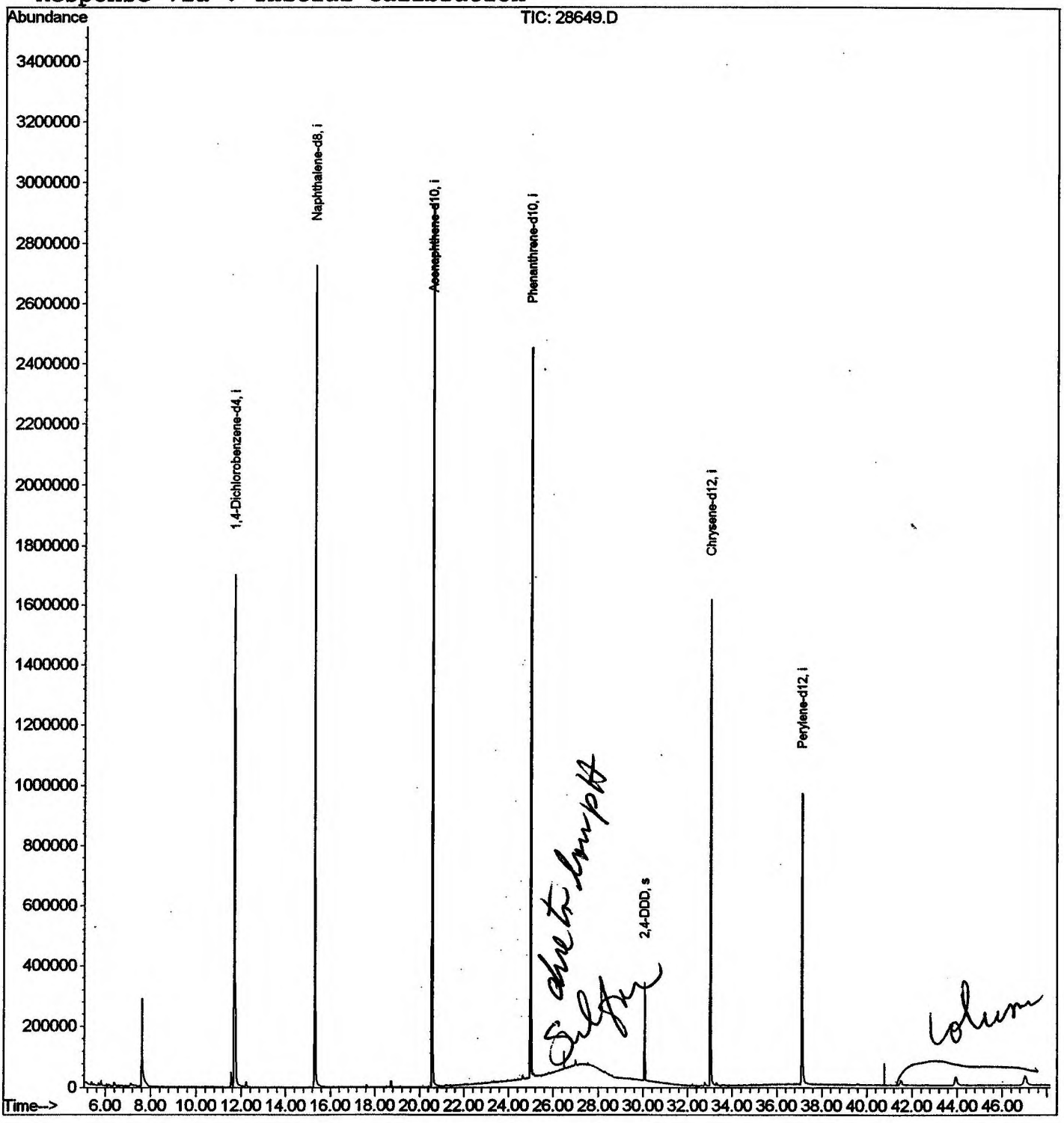
Quantitation Report

Data File : C:\HPCHEM\1\DATA\NOV2901\28649.D
Acq On : 30 Nov 2001 9:38 am
Sample : 11/23 scan
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 30 15:13 2001

Vial: 48
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



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LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\NOV2901\28649.D Vial: 48
Acq On : 30 Nov 2001 9:38 am 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	7.621	277	281	313	rBV	286522	835922	13.50%	2.727%
2	11.560	706	710	719	rBV	47500	117026	1.89%	0.382%
3	11.697	719	725	746	rVV	1700525	4469241	72.18%	14.578%
4	15.305	1112	1118	1135	rBV	2724046	5981446	96.60%	19.511%
5	20.575	1686	1692	1707	rBV	2927766	6191994	100.00%	20.197%
6	25.000	2167	2174	2186	rBV2	2420999	5575635	90.05%	18.187%
7	30.067	2721	2726	2732	rBV	319672	661811	10.69%	2.159%
8	33.023	3041	3048	3066	rBV2	1611084	3759404	60.71%	12.263%
9	37.118	3486	3494	3510	rBV2	960840	2742105	44.28%	8.944%
10	43.948	4228	4238	4259	rVB5	26387	183666	2.97%	0.599%
11	47.032	4559	4574	4575	rBV3	28188	139027	2.25%	0.453%

Sum of corrected areas: 30657277

28649.D GCMS1126.M Fri Nov 30 16:19:50 2001

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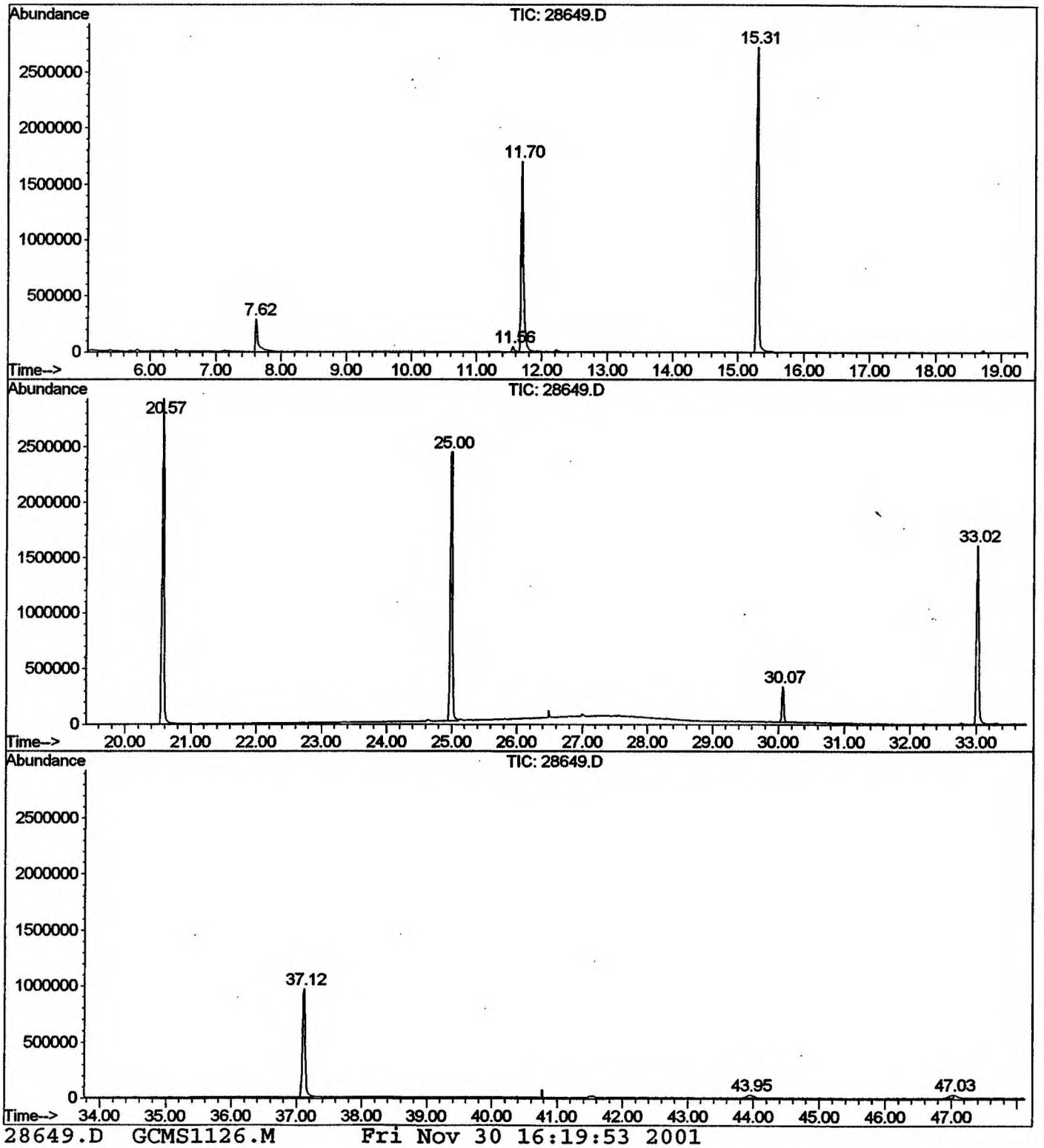
LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\NOV2901\28649.D
Operator : 209 GALOS
Acquired : 30 Nov 2001 9:38 am using AcqMethod GCMS1126
Instrument : GC/MS 209
Sample Name: 11/23 scan
Misc Info :
Vial Number: 48
Quant File :GCMS1126.RES (RTE Integrator)



28649.D GCMS1126.M Fri Nov 30 16:19:53 2001

NYC-WTC_000034824

NYC 9/11 Public Portal Document

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV2901\28649.D
Acq On : 30 Nov 2001 9:38 am
Sample : 11/23 scan
Misc :
MS Integration Params: LSCINT.P

Vial: 48
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

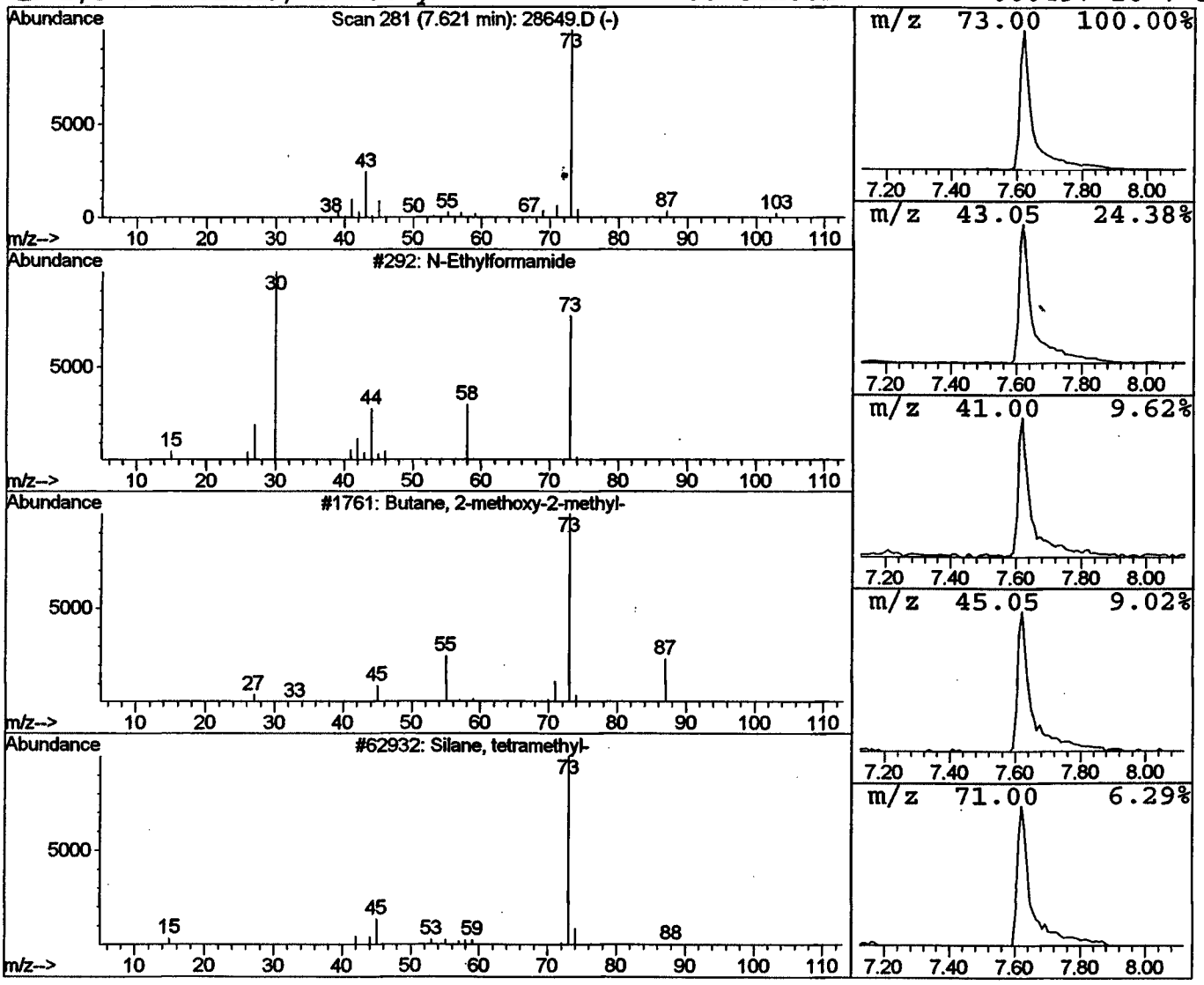
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 N-Ethylformamide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.62	3.74 ug/l	835922	1,4-Dichlorobenzene-d4	11.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N-Ethylformamide	73	C3H7NO	000627-45-2	9
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	9
3	Silane, tetramethyl-	88	C4H12Si	000075-76-3	7
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	5



NYC-WTC_000034825

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Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV2901\28649.D
Acq On : 30 Nov 2001 9:38 am
Sample : 11/23 scan
Misc :
MS Integration Params: LSCINT.P

Vial: 48
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

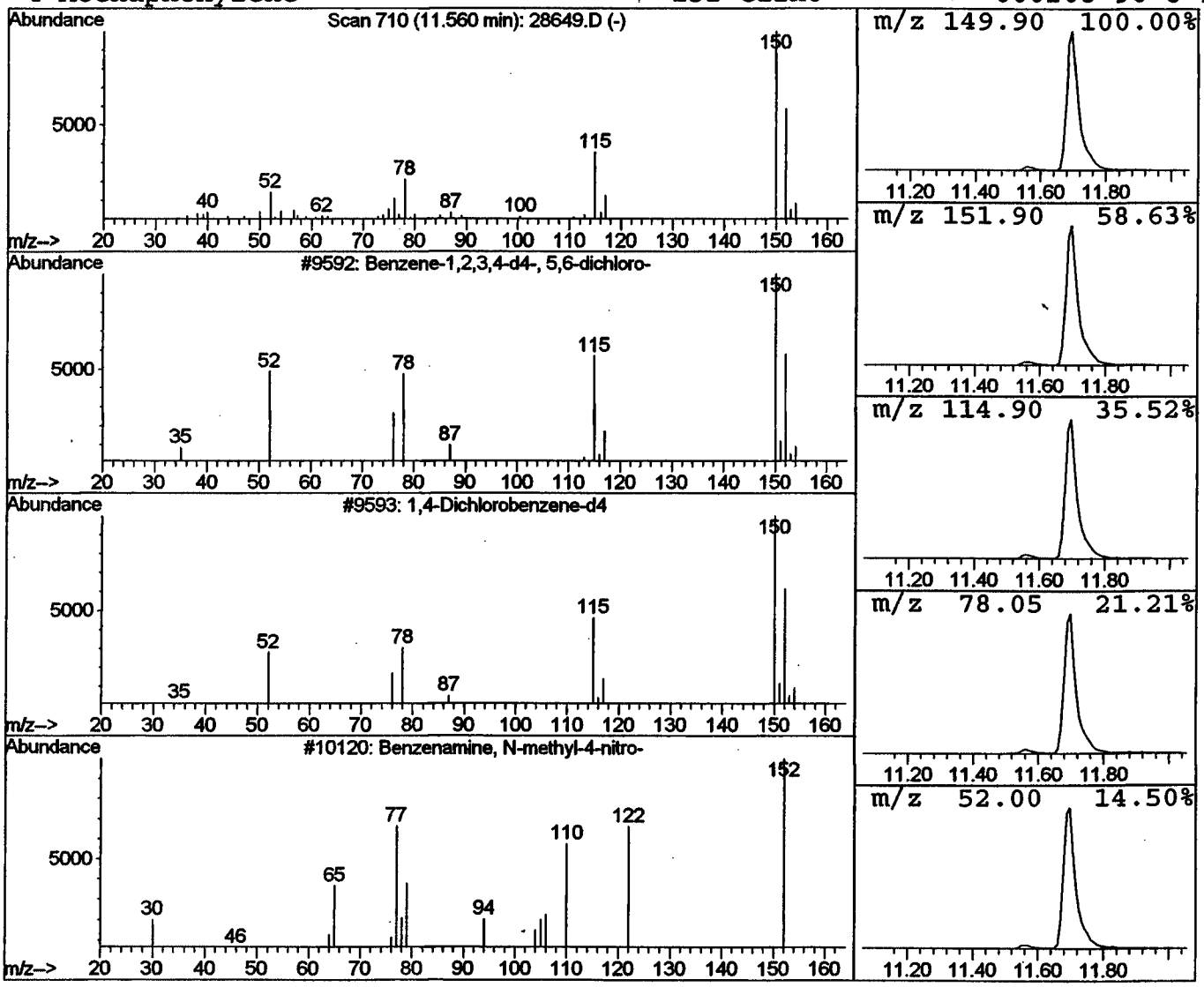
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 Benzene-1,2,3,4-d4-, 5,6-dichl Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.56	0.52 ug/l	117026	1,4-Dichlorobenzene-d4	11.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene-1,2,3,4-d4-, 5,6-dichloro-	150	C6Cl2D4	002199-69-1	53
2	1,4-Dichlorobenzene-d4	150	C6Cl2D4	003855-82-1	53
3	Benzenamine, N-methyl-4-nitro-	152	C7H8N2O2	000100-15-2	9
4	Acenaphthylene	152	C12H8	000208-96-8	9



NYC-WTC_000034826

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV2901\28649.D
Acq On : 30 Nov 2001 9:38 am
Sample : 11/23 scan
Misc :
MS Integration Params: LSCINT.P

Vial: 48
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

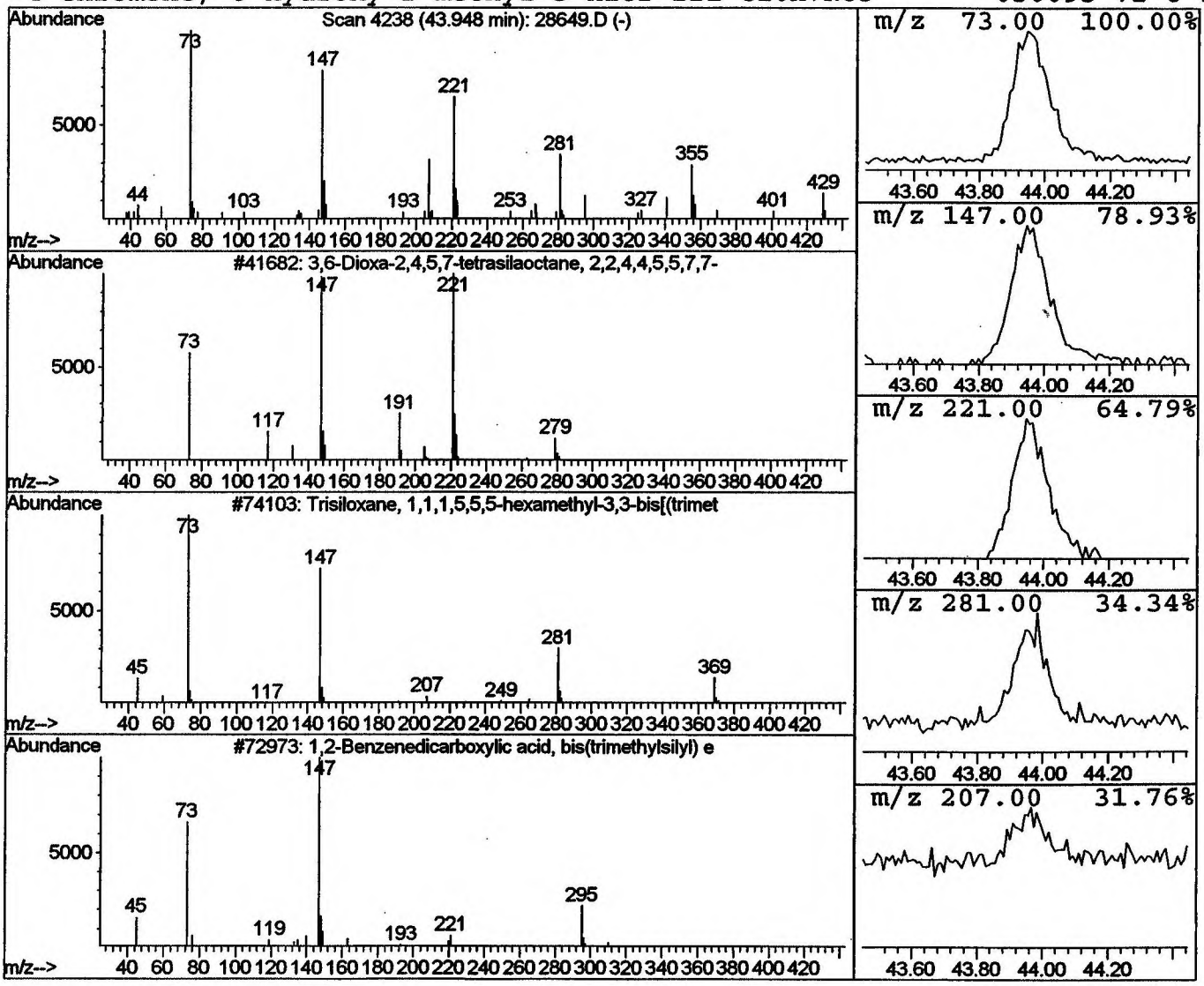
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
43.95	1.34 ug/l	183666	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	37
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	17
4	Chromone, 6-hydroxy-2-methyl-5-nitr	221	C10H7NO5	030095-72-8	10



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV2901\28649.D
Acq On : 30 Nov 2001 9:38 am
Sample : 11/23 scan
Misc :
MS Integration Params: LSCINT.P

Vial: 48
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

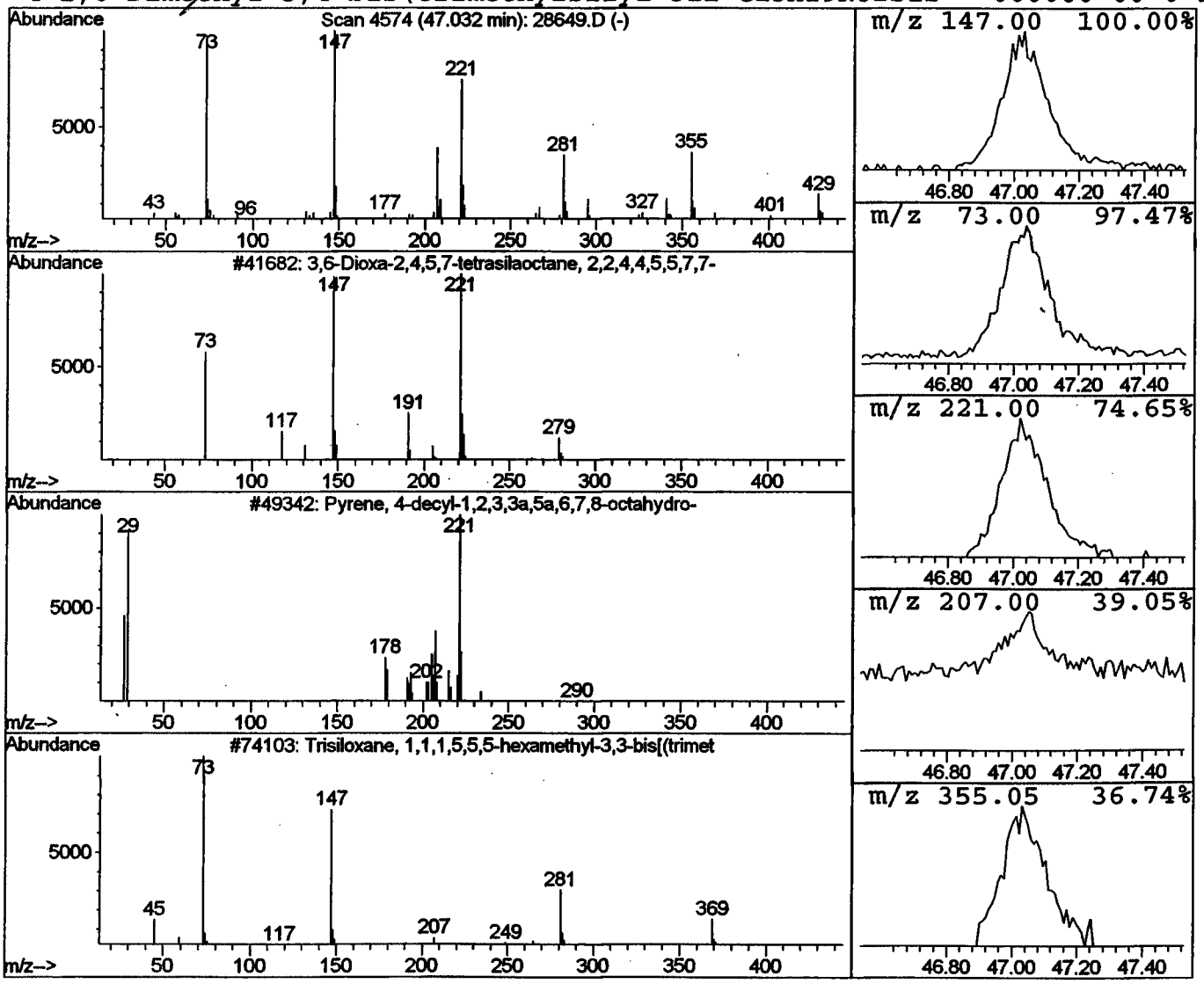
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
47.03	1.01 ug/l	139027	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	33
2	Pyrene, 4-decyl-1,2,3,3a,5a,6,7,8-o	350	C26H38	055493-75-9	23
3	Trisiloxane, 1,1,1,5,5,5-hexamethyl	384	C12H36O4Si5	003555-47-3	22
4	2,6-Dimethyl-3,4-bis(trimethylsilyl	311	C15H29NO2Si2	000000-00-0	16



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Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 30 Nov 2001 9:38 am
Data File: C:\HPCHEM\1\DATA\NOV2901\28649.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
N-Ethylformamide	7.62	3.7	ug/l	835922	ISTD01	11.70	4469240	20.0
Benzene-1,2,3,4-d4-,	11.56	0.5	ug/l	117026	ISTD01	11.70	4469240	20.0
3,6-Dioxa-2,4,5,7-te	43.95	1.3	ug/l	183666	ISTD06	37.12	2742110	20.0
3,6-Dioxa-2,4,5,7-te	47.03	1.0	ug/l	139027	ISTD06	37.12	2742110	20.0

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