

Instrument :
BNA_G
ClientSampleId :
SLCS276

mohammad
9/29/2021 12:53:55 PM

Abundance

TIC: BG050305.D\data.ms

1250000

1200000

1150000

1100000

1050000

1000000

950000

900000

850000

800000

750000

700000

650000

600000

550000

500000

450000

400000

350000

300000

250000

200000

150000

100000

50000

0

me-->

4.00

6.00

8.00

10.00

12.00

14.00

16.00

18.00

20.00

22.00

24.00

26.00

28.00

30.00

32.00

Pyrene-d8, S

1,4-Dioxane-d8, S

Bis(2-chlorophenyl)methane-d8, S

1,4-Dichlorobenzene-d4, I

2,2'-oxybis(1-chloro-2-methylphenol)

Nitrobenzene

2,4-Dichlorophenol, S

2,4-Dichlorophenol, C

Hexachlorobutadiene, C

Caprolactam

4-Chloro-3-methylphenol, C

Hexachlorocyclopentadiene, C

2,4,6-Trichlorophenol, C

2-Nitroaniline

2,6-Dimethylphenol, S

3-Nitroaniline

2,4-Dinitrophenol, S

2,4-Dinitrophenol, C

2,3,4,6-Tetrachlorophenol

3,5-Dinitro-2-methylphenol, S

3,5-Dinitro-2-methylphenol, C

Hexachlorobenzene

Pentachlorophenol, C

Phenanthrene-d10, I

Anthracene

Carbazole

Di-n-butylphthalate

Fluoranthene

Pyrene-d10, S

Butylbenzylphthalate

Chrysene-d12, S

2,3-Dichlorobenzophenone

Chrysene

Di-n-octyl phthalate

Benzo(a)pyrene

Benzo(a)pyrene-d12, S

Perylene-d12, I

Indeno(1,2,3-cd)pyrene

Benzo(g,h,i)perylene

4-Ethylphenyl-phenylether

N-Nitrosodiphenylamine

Fluorene-d10, S

Hexachlorobenzene

Phenanthrene-d10, I

Anthracene

Carbazole

Di-n-butylphthalate

Fluoranthene

Pyrene-d10, S

Butylbenzylphthalate

Chrysene-d12, S

2,3-Dichlorobenzophenone

Chrysene

Di-n-octyl phthalate

Benzo(a)pyrene

Benzo(a)pyrene-d12, S

Perylene-d12, I

Indeno(1,2,3-cd)pyrene

Benzo(g,h,i)perylene

4-Ethylphenyl-phenylether

N-Nitrosodiphenylamine

Fluorene-d10, S

Hexachlorobenzene

Phenanthrene-d10, I

Anthracene

Carbazole

Di-n-butylphthalate

Fluoranthene

Pyrene-d10, S

Butylbenzylphthalate

Chrysene-d12, S

2,3-Dichlorobenzophenone

Chrysene

Di-n-octyl phthalate

Benzo(a)pyrene

Benzo(a)pyrene-d12, S

Perylene-d12, I

Indeno(1,2,3-cd)pyrene

Benzo(g,h,i)perylene

4-Ethylphenyl-phenylether

N-Nitrosodiphenylamine

Fluorene-d10, S

Hexachlorobenzene

Phenanthrene-d10, I

Anthracene

Carbazole

Di-n-butylphthalate

Fluoranthene

Pyrene-d10, S

Butylbenzylphthalate

Chrysene-d12, S

2,3-Dichlorobenzophenone

Chrysene

Di-n-octyl phthalate

Benzo(a)pyrene

Benzo(a)pyrene-d12, S

Perylene-d12, I

Indeno(1,2,3-cd)pyrene

Benzo(g,h,i)perylene

4-Ethylphenyl-phenylether

N-Nitrosodiphenylamine

Fluorene-d10, S

Hexachlorobenzene

Phenanthrene-d10, I

Anthracene

Carbazole

Di-n-butylphthalate

Fluoranthene

Pyrene-d10, S

Butylbenzylphthalate

Chrysene-d12, S

2,3-Dichlorobenzophenone

Chrysene

Di-n-octyl phthalate

Benzo(a)pyrene

Benzo(a)pyrene-d12, S

Perylene-d12, I

Indeno(1,2,3-cd)pyrene

Benzo(g,h,i)perylene

4-Ethylphenyl-phenylether

N-Nitrosodiphenylamine

Fluorene-d10, S

Hexachlorobenzene

Phenanthrene-d10, I

Anthracene

Carbazole

Di-n-butylphthalate

Fluoranthene

Pyrene-d10, S

Butylbenzylphthalate

Chrysene-d12, S

2,3-Dichlorobenzophenone

Chrysene

Di-n-octyl phthalate

Benzo(a)pyrene

Benzo(a)pyrene-d12, S

Perylene-d12, I

Indeno(1,2,3-cd)pyrene

Benzo(g,h,i)perylene

4-Ethylphenyl-phenylether

N-Nitrosodiphenylamine

Fluorene-d10, S

Hexachlorobenzene

Phenanthrene-d10, I

Anthracene

Carbazole

Di-n-butylphthalate

Fluoranthene

Pyrene-d10, S

Butylbenzylphthalate

Chrysene-d12, S

2,3-Dichlorobenzophenone

Chrysene

Di-n-octyl phthalate

Benzo(a)pyrene

Benzo(a)pyrene-d12, S

Perylene-d12, I

Indeno(1,2,3-cd)pyrene

Benzo(g,h,i)perylene

4-Ethylphenyl-phenylether

N-Nitrosodiphenylamine

Fluorene-d10, S

Hexachlorobenzene

Phenanthrene-d10, I

Anthracene

Carbazole

Di-n-butylphthalate

Fluoranthene

Pyrene-d10, S

Butylbenzylphthalate

Chrysene-d12, S

2,3-Dichlorobenzophenone

Chrysene

Di-n-octyl phthalate

Benzo(a)pyrene

Benzo(a)pyrene-d12, S

Perylene-d12, I

Indeno(1,2,3-cd)pyrene

Benzo(g,h,i)perylene

4-Ethylphenyl-phenylether

N-Nitrosodiphenylamine

Fluorene-d10, S

Hexachlorobenzene

Phenanthrene-d10, I

Anthracene

Carbazole

Di-n-butylphthalate

Fluoranthene

Pyrene-d10, S

Butylbenzylphthalate

Chrysene-d12, S

2,3-Dichlorobenzophenone

Chrysene

Di-n-octyl phthalate

Benzo(a)pyrene

Benzo(a)pyrene-d12, S

Perylene-d12, I

Indeno(1,2,3-cd)pyrene

Benzo(g,h,i)perylene

4-Ethylphenyl-phenylether

N-Nitrosodiphenylamine

Fluorene-d10, S

Hexachlorobenzene

Phenanthrene-d10, I

Anthracene

Carbazole

Di-n-butylphthalate

Fluoranthene

Pyrene-d10, S

Butylbenzylphthalate

Chrysene-d12, S

2,3-Dichlorobenzophenone

Chrysene

Di-n-octyl phthalate

Benzo(a)pyrene

Benzo(a)pyrene-d12, S

Perylene-d12, I

Indeno(1,2,3-cd)pyrene

Benzo(g,h,i)perylene

4-Ethylphenyl-phenylether

N-Nitrosodiphenylamine

Fluorene-d10, S

Hexachlorobenzene

Phenanthrene-d10, I

Anthracene

Carbazole

Di-n-butylphthalate

Fluoranthene

Pyrene-d10, S

Butylbenzylphthalate

Chrysene-d12, S

2,3-Dichlorobenzophenone

Chrysene

Di-n-octyl phthalate

Benzo(a)pyrene

Benzo(a)pyrene-d12, S

Perylene-d12, I

Indeno(1,2,3-cd)pyrene

Benzo(g,h,i)perylene

4-Ethylphenyl-phenylether

N-Nitrosodiphenylamine

Fluorene-d10, S

Hexachlorobenzene

Phenanthrene-d10, I

Anthracene

Carbazole

Di-n-butylphthalate

Fluoranthene

Pyrene-d10, S

Butylbenzylphthalate

Chrysene-d12, S

2,3-Dichlorobenzophenone

Chrysene

Di-n-octyl phthalate

Benzo(a)pyrene

Benzo(a)pyrene-d12, S

Perylene-d12, I

Indeno(1,2,3-cd)pyrene

Benzo(g,h,i)perylene

4-Ethylphenyl-phenylether

N-Nitrosodiphenylamine

Fluorene-d10, S

Hexachlorobenzene

Phenanthrene-d10, I

Anthracene

Carbazole

Di-n-butylphthalate

Fluoranthene

Pyrene-d10, S

Butylbenzylphthalate

Chrysene-d12, S

2,3-Dichlorobenzophenone

Chrysene

Di-n-octyl phthalate

Benzo(a)pyrene

Benzo(a)pyrene-d12, S

Perylene-d12, I

Indeno(1,2,3-cd)pyrene

Benzo(g

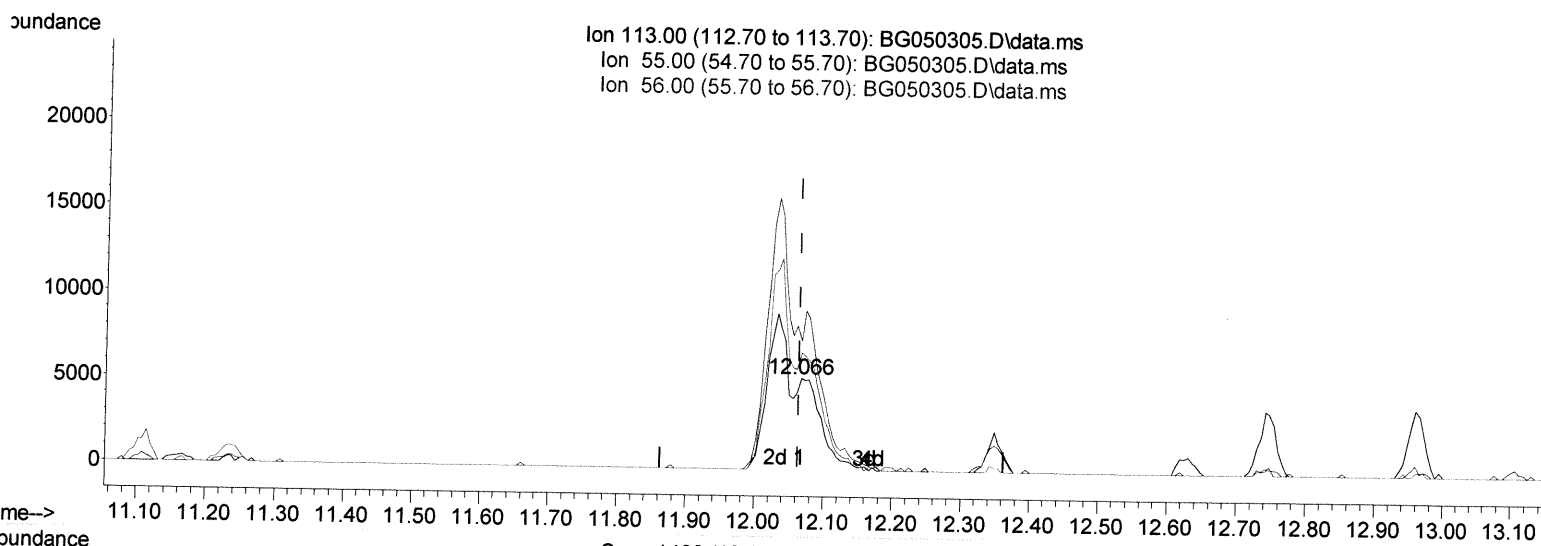
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092821\
 Data File : BG050305.D
 Acq On : 29 Sep 2021 5:13
 Operator : CG/JU
 Sample : PB139276BS
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

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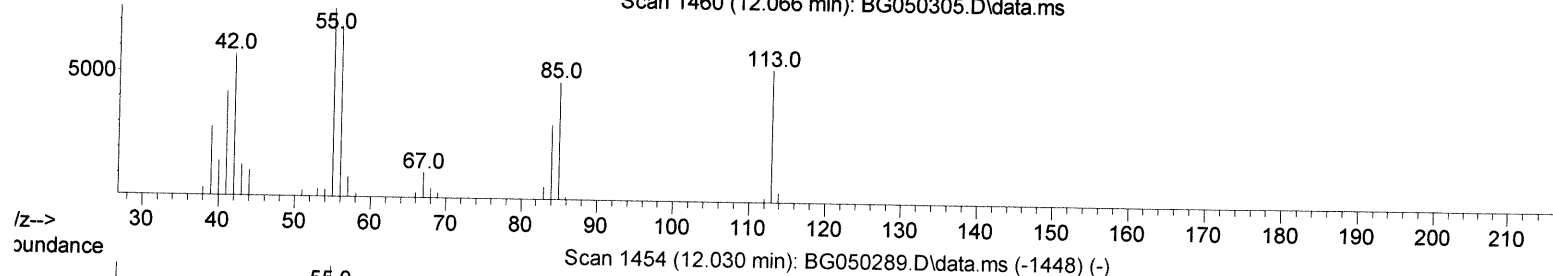
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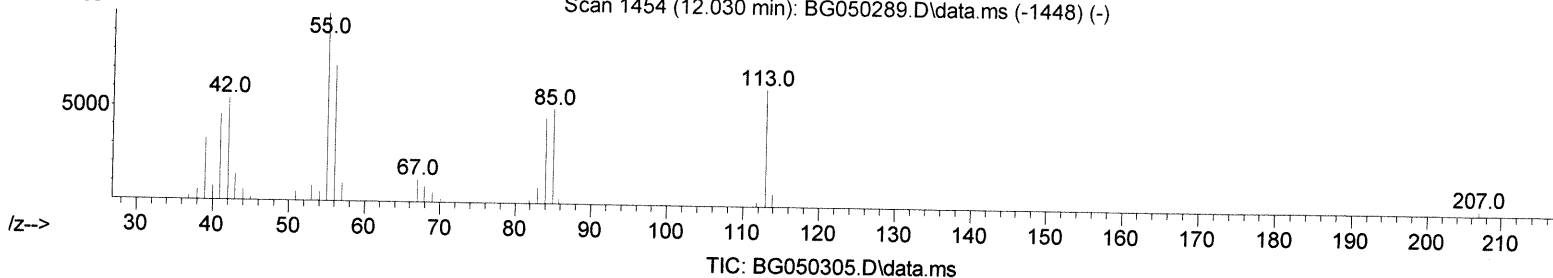
Quant Time: Sep 29 06:03:20 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG092521.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Sep 27 03:10:48 2021
 Response via : Initial Calibration



Scan 1460 (12.066 min): BG050305.D\data.ms



Scan 1454 (12.030 min): BG050289.D\data.ms (-1448) (-)



TIC: BG050305.D\data.ms

(34) Caprolactam

12.066min (+ 0.003) 14.72 ng/ul

response 13626

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	142.50	141.48
56.00	134.20	128.10
0.00	0.00	0.00

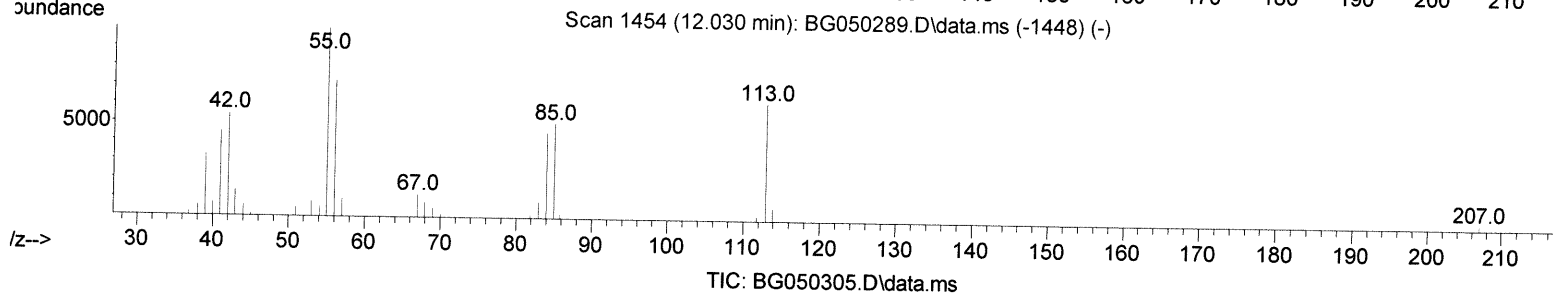
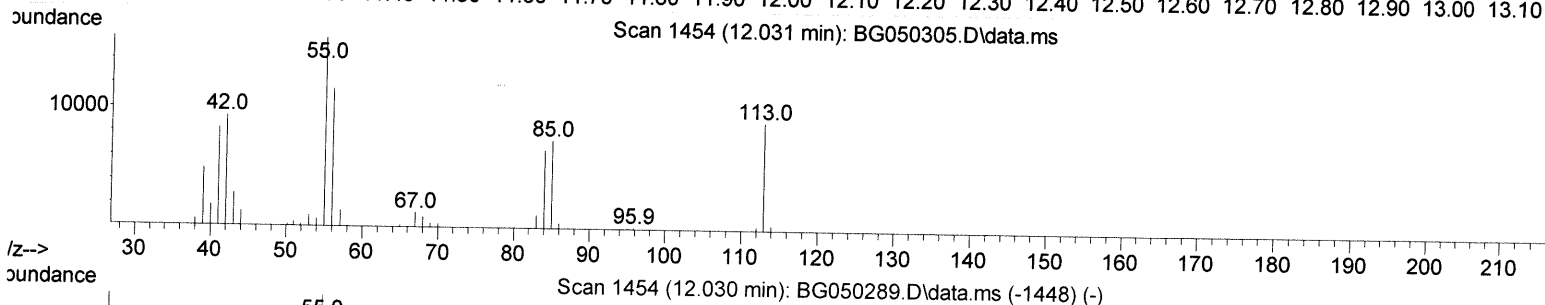
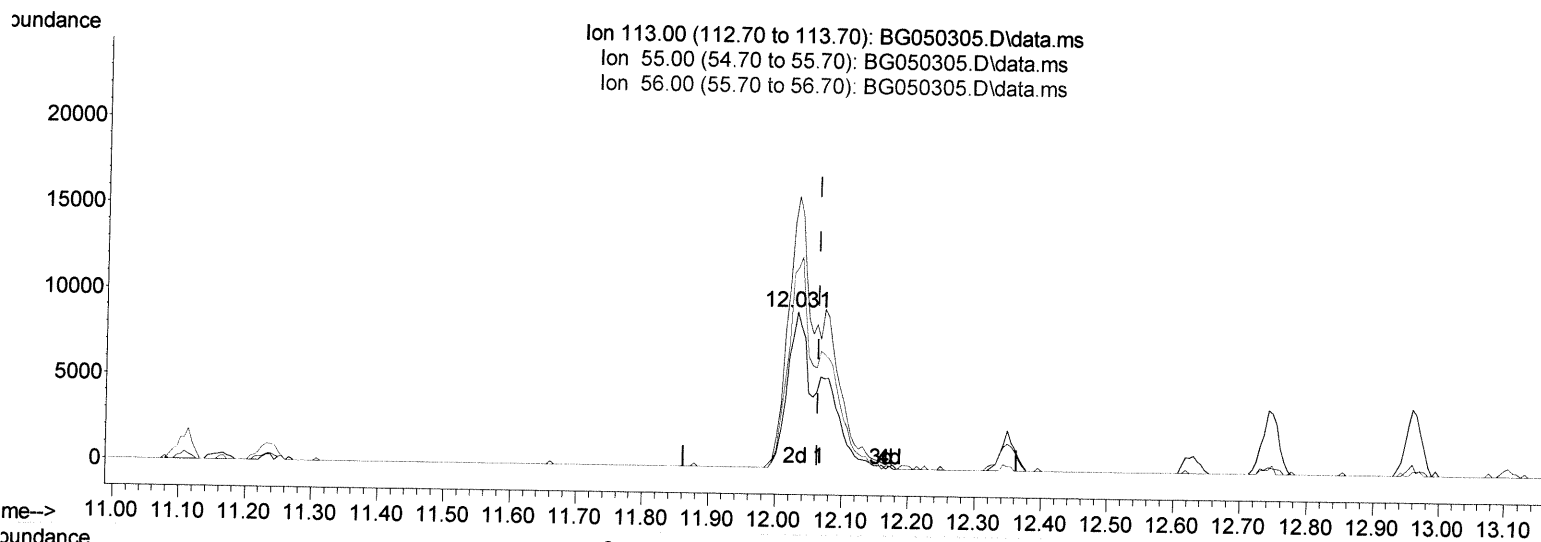
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092821\
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(34) Caprolactam

12.031min (-0.032) 35.63 ng/ul m

response 32977

JU 10/04/21

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	142.50	174.07#
56.00	134.20	128.07
0.00	0.00	0.00

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.282	152	46260	20.000	ng/ul	0.00
20) Naphthalene-d8	11.108	136	191384	20.000	ng/ul	#-0.01
38) Acenaphthene-d10	14.898	164	130141	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.642	188	297371	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.949	240	297962	20.000	ng/ul	# 0.00
88) Perylene-d12	25.392	264	317735	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.658	96	8181	8.552	ng/uL	0.00
4) Pyridine-d5	4.081	84	114751	39.801	ng/ul	-0.01
7) Phenol-d5	7.413	99	133378	36.314	ng/ul	-0.01
9) Bis-(2-Chloroethyl)eth...	7.601	67	81347	38.158	ng/ul	0.00
11) 2-Chlorophenol-d4	7.812	132	94867	35.536	ng/ul	0.00
15) 4-Methylphenol-d8	8.976	113	100646	34.784	ng/ul	0.00
21) Nitrobenzene-d5	9.452	128	46641	39.449	ng/ul	-0.01
24) 2-Nitrophenol-d4	10.180	143	50842	38.933	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.715	165	96681	31.738	ng/ul	0.00
31) 4-Chloroaniline-d4	11.232	131	125291	31.309	ng/ul	-0.01
46) Dimethylphthalate-d6	14.293	166	294620	33.309	ng/ul	-0.01
49) Acenaphthylene-d8	14.598	160	365344	32.860	ng/ul	0.00
54) 4-Nitrophenol-d4	15.063	143	56435	37.817	ng/ul	0.00
60) Fluorene-d10	15.885	176	266519	32.911	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.991	200	51850	41.156	ng/ul	0.00
73) Anthracene-d10	17.742	188	422229	33.336	ng/ul	0.00
81) Pyrene-d10	20.016	212	521711	32.340	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.151	264	517247	31.930	ng/ul	-0.01
Target Compounds						
2) 1,4-Dioxane	3.688	88	17459	14.467	ng/uL#	77
5) Pyridine	4.099	79	113827	38.070	ng/ul	97
6) Benzaldehyde	7.419	77	87439	37.505	ng/ul	94
8) Phenol	7.442	94	133626	35.913	ng/ul	92
10) Bis(2-Chloroethyl)ether	7.695	93	98883	35.760	ng/ul	92
12) 2-Chlorophenol	7.842	128	94518	33.595	ng/ul#	80
13) 2-Methylphenol	8.711	108	97161	33.469	ng/ul	94
14) 2,2'-oxybis(1-Chloropr...	8.811	45	146095	39.935	ng/ul#	90
16) Acetophenone	9.111	105	151086	34.182	ng/ul	98
17) N-Nitroso-di-n-propyla...	9.093	70	88469	35.208	ng/ul	99
18) 4-Methylphenol	9.040	108	103608	35.040	ng/ul	90
19) Hexachloroethane	9.381	117	40305	33.386	ng/ul	93
22) Nitrobenzene	9.499	77	131056	38.636	ng/ul	99
23) Isophorone	10.021	82	231192	32.314	ng/ul#	97
25) 2-Nitrophenol	10.209	139	52245	38.306	ng/ul#	82
26) 2,4-Dimethylphenol	10.251	107	115821	31.758	ng/ul#	84
27) Bis(2-Chloroethoxy)met...	10.497	93	129884	33.255	ng/ul	99
29) 2,4-Dichlorophenol	10.744	162	94504	32.197	ng/ul	99
30) Naphthalene	11.161	128	311762	31.759	ng/ul	98
32) 4-Chloroaniline	11.261	127	121219	30.332	ng/ul	90
33) Hexachlorobutadiene	11.437	225	68384	28.084	ng/ul	95
34) Caprolactam	12.031	113	32977m	35.630	ng/ul	> 95
35) 4-Chloro-3-methylphenol	12.348	107	103847	32.624	ng/ul	99

Jul 10/04/21

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 2-Methylnaphthalene	12.742	142	220143	32.382	ng/ul	97
37) 1-Methylnaphthalene	12.959	142	205909	29.998	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	13.100	216	127123	31.026	ng/ul#	97
40) Hexachlorocyclopentadiene	13.083	237	77385	27.380	ng/ul	95
41) 2,4,6-Trichlorophenol	13.335	196	82842	34.287	ng/ul	93
42) 2,4,5-Trichlorophenol	13.406	196	88620	34.091	ng/ul	92
43) 1,1'-Biphenyl	13.735	154	279205	31.626	ng/ul#	95
44) 2-Chloronaphthalene	13.782	162	220769	31.605	ng/ul	98
45) 2-Nitroaniline	13.982	65	75508	45.400	ng/ul	95
47) Dimethylphthalate	14.346	163	288225	32.350	ng/ul	98
48) 2,6-Dinitrotoluene	14.463	165	58769	41.668	ng/ul	89
50) Acenaphthylene	14.622	152	332046	29.562	ng/ul	97
51) 3-Nitroaniline	14.792	138	58706	37.228	ng/ul	86
52) Acenaphthene	14.963	153	242084	32.920	ng/ul	95
53) 2,4-Dinitrophenol	14.992	184	35471	39.721	ng/ul#	86
55) 4-Nitrophenol	15.080	109	54252	35.375	ng/ul#	68
56) Dibenzofuran	15.298	168	342944	31.163	ng/ul	95
57) 2,4-Dinitrotoluene	15.245	165	83498	41.774	ng/ul#	99
58) 2,3,4,6-Tetrachlorophenol	15.509	232	78928	33.750	ng/ul	93
59) Diethylphthalate	15.697	149	298909	32.633	ng/ul	96
61) Fluorene	15.944	166	273942	31.773	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.932	204	149965	30.899	ng/ul	90
63) 4-Nitroaniline	15.956	138	58953	36.316	ng/ul#	81
66) 4,6-Dinitro-2-methylph...	16.009	198	50330	39.766	ng/ul	93
67) N-Nitrosodiphenylamine	16.138	169	246933	32.840	ng/ul	96
68) 4-Bromophenyl-phenylether	16.825	248	99164	32.160	ng/ul	92
69) Hexachlorobenzene	16.943	284	107162	31.368	ng/ul	95
70) Atrazine	17.084	200	101904	30.716	ng/ul	96
71) Pentachlorophenol	17.284	266	72808	33.400	ng/ul	95
72) Phenanthrene	17.683	178	476371	32.278	ng/ul	98
74) Anthracene	17.777	178	473914	32.242	ng/ul#	94
75) 1,2,3,4-Tetrachloroben...	13.705	216	132772	31.408	ng/ul	94
76) Pentachlorobenzene	15.209	250	121154	29.723	ng/ul	97
77) Carbazole	18.041	167	440565	33.879	ng/ul	98
78) Di-n-butylphthalate	18.582	149	518525	34.582	ng/ul	99
80) Fluoranthene	19.681	202	608065	29.731	ng/ul#	90
82) Pyrene	20.045	202	606436	30.153	ng/ul#	90
83) Butylbenzylphthalate	20.920	149	228890	33.784	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.831	252	205150	32.149	ng/ul#	98
85) Benzo(a)anthracene	21.931	228	591464	32.962	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.819	149	335043	34.644	ng/ul	98
87) Chrysene	22.002	228	561189	32.260	ng/ul	96
89) Di-n-octyl phthalate	23.112	149	568622	36.508	ng/ul	100
90) Benzo(b)fluoranthene	24.293	252	603022	32.423	ng/ul#	97
91) Benzo(k)fluoranthene	24.363	252	593925	34.008	ng/ul#	98
93) Benzo(a)pyrene	25.227	252	536581	30.374	ng/ul#	97
94) Indeno(1,2,3-cd)pyrene	29.340	276	682487	33.061	ng/ul#	95
95) Dibenzo(a,h)anthracene	29.416	278	566040	31.814	ng/ul#	96
96) Benzo(g,h,i)perylene	30.580	276	564186	31.943	ng/ul#	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed