Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081621\
Data File : BN015883.D
Acq On : 16 Aug 2021 18:08
Operator : CG/JU
Sample : M2250-01
Misc : SFAM-MDL-WATER-01
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 16 18:39:21 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN081621MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 16 16:09:12 2021
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT3-2021-05

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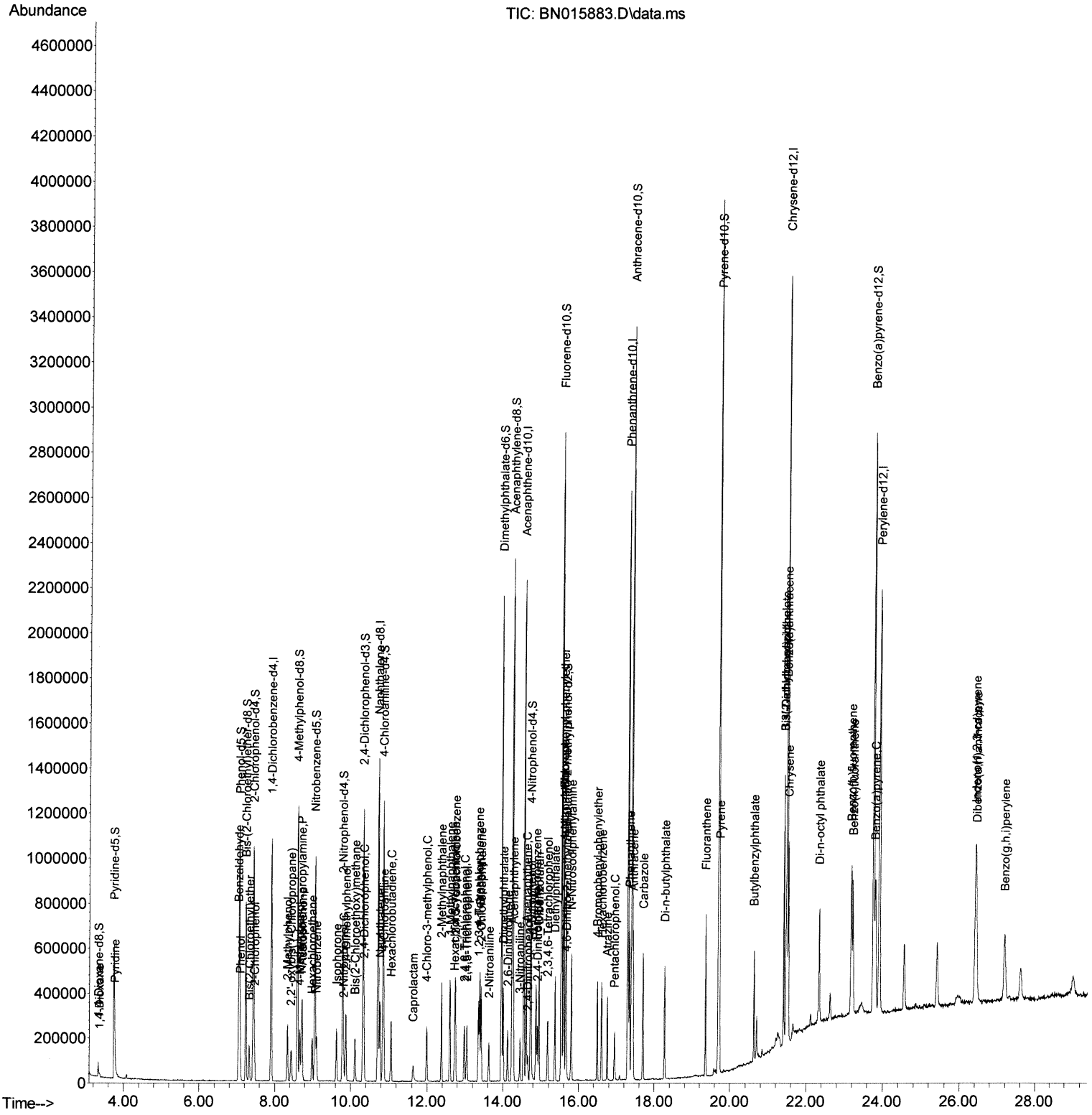

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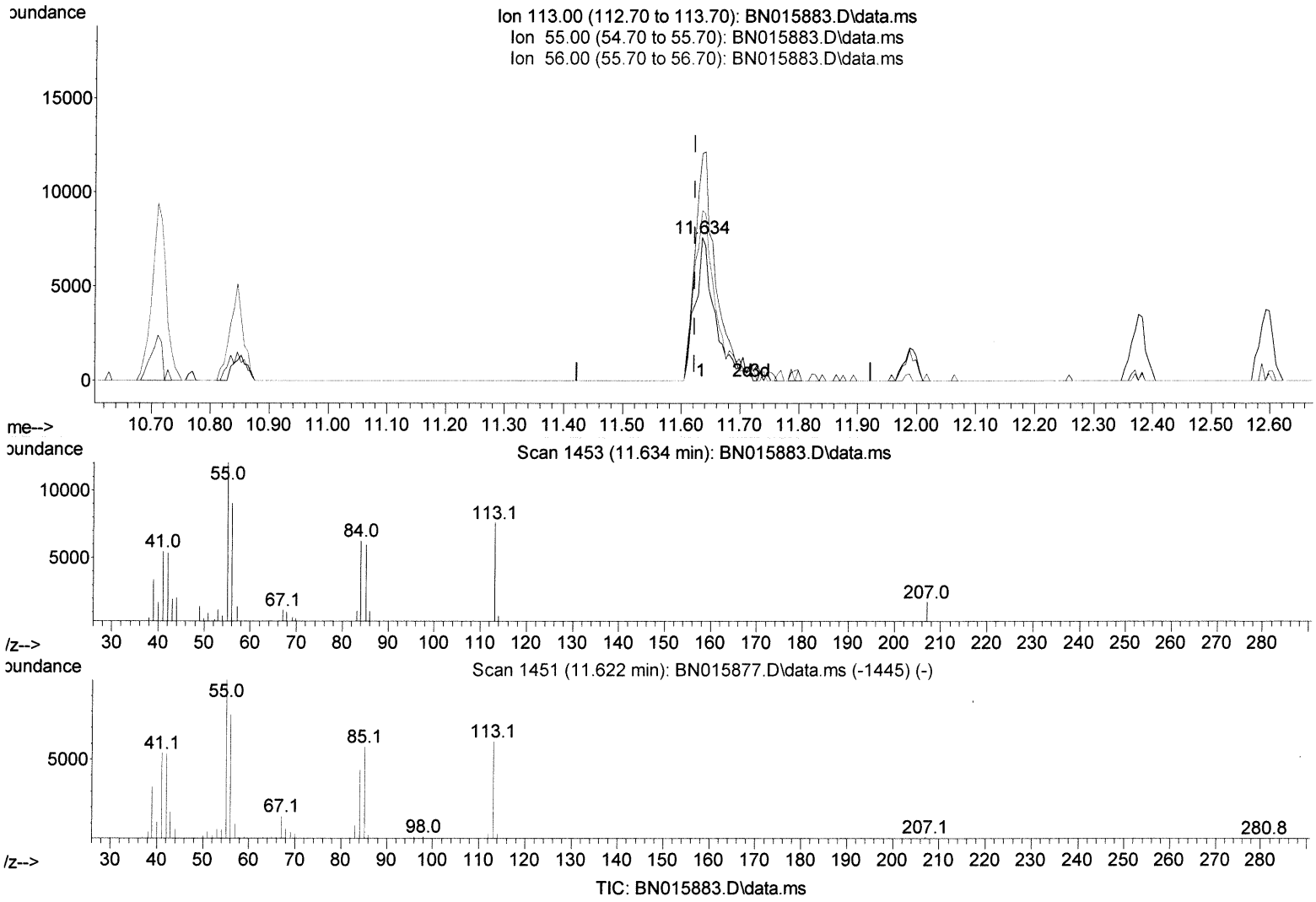

(34) Caprolactam

11.634min (+ 0.012) 3.06 ng/ul

response 16216

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	163.00	159.01
56.00	127.80	119.08
0.00	0.00	0.00

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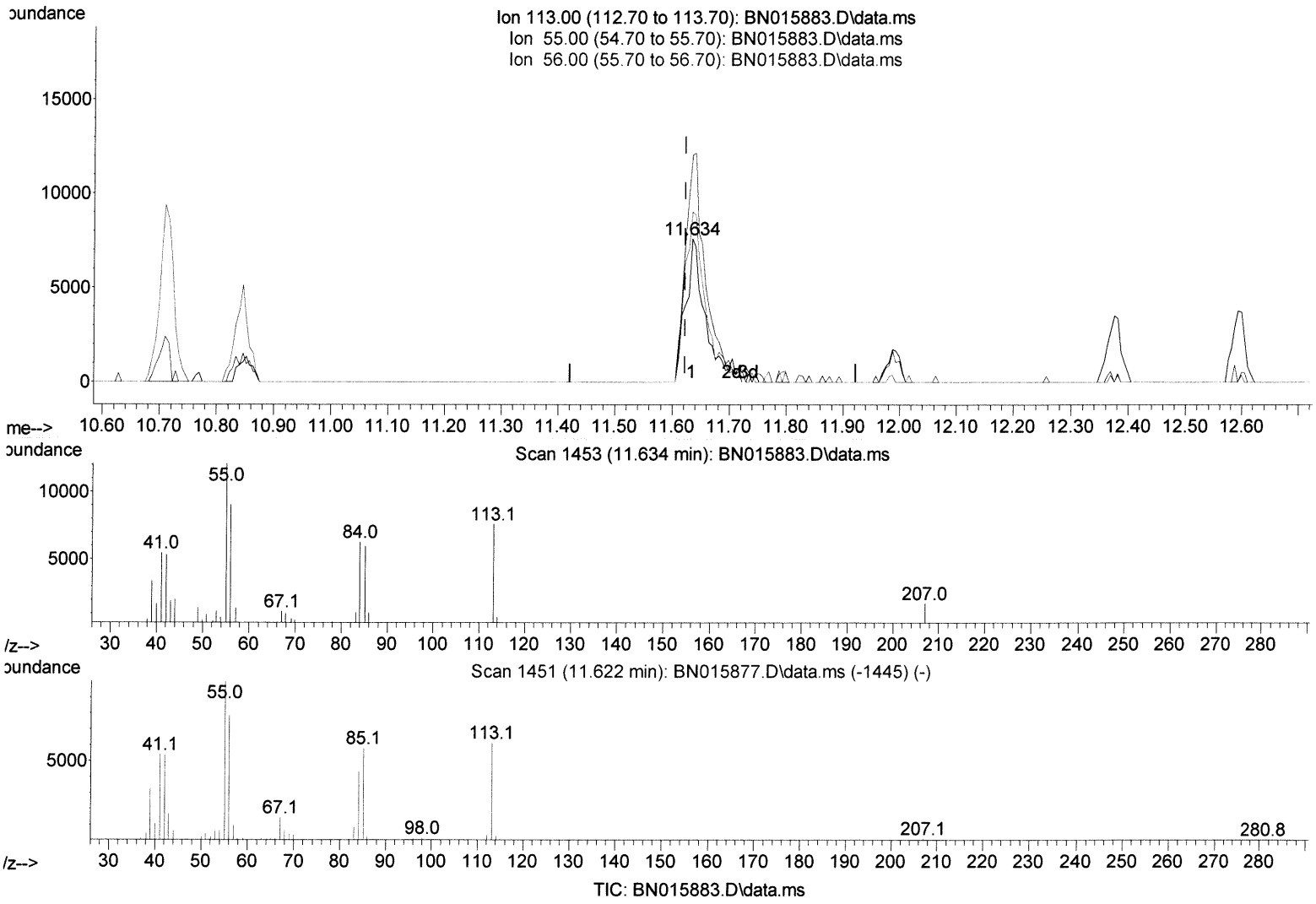

(34) Caprolactam

11.634min (+ 0.012) 3.46 ng/ul m JU 8/19/21

response 18336

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	163.00	159.01
56.00	127.80	119.08
0.00	0.00	0.00

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Manual Integrations APPROVED
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.905	152	276523	20.000	ng/ul	0.00
20) Naphthalene-d8	10.710	136	1150700	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.551	164	726199	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.298	188	1516363	20.000	ng/ul	0.00
79) Chrysene-d12	21.486	240	1525987	20.000	ng/ul	0.00
88) Perylene-d12	23.910	264	1476013	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.334	96	32873	4.631	ng/uL	0.00
4) Pyridine-d5	3.746	84	329791	16.623	ng/ul	0.00
7) Phenol-d5	7.058	99	564642	22.574	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.228	67	366641	23.807	ng/ul	0.00
11) 2-Chlorophenol-d4	7.428	132	444887	24.996	ng/ul	0.00
15) 4-Methylphenol-d8	8.605	113	434555	22.337	ng/ul	0.00
21) Nitrobenzene-d5	9.063	128	207459	24.495	ng/ul	0.00
24) 2-Nitrophenol-d4	9.787	143	201769	25.455	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.328	165	395509	23.058	ng/ul	0.00
31) 4-Chloroaniline-d4	10.846	131	581809	22.284	ng/ul	0.00
46) Dimethylphthalate-d6	13.957	166	1310830	24.630	ng/ul	0.00
49) Acenaphthylene-d8	14.246	160	1659233	24.894	ng/ul	0.00
54) 4-Nitrophenol-d4	14.728	143	202174	21.478	ng/ul	0.00
60) Fluorene-d10	15.546	176	1128269	24.304	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.657	200	162499	20.066	ng/ul	0.00
73) Anthracene-d10	17.398	188	1744408	24.544	ng/ul	0.00
81) Pyrene-d10	19.692	212	1969875	23.966	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.751	264	2059588	25.807	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.370	88	7518	1.030	ng/uL#	92
5) Pyridine	3.770	79	82134	4.015	ng/ul#	80
6) Benzaldehyde	7.040	77	71068	5.522	ng/ul	96
8) Phenol	7.081	94	113406	4.447	ng/ul	97
10) Bis(2-Chloroethyl)ether	7.322	93	87810	4.396	ng/ul	97
12) 2-Chlorophenol	7.464	128	86496	4.728	ng/ul	98
13) 2-Methylphenol	8.340	108	77306	4.139	ng/ul	96
14) 2,2'-oxybis(1-Chloropr...	8.434	45	112931	4.427	ng/ul	96
16) Acetophenone	8.728	105	139070	4.430	ng/ul	96
17) N-Nitroso-di-n-propyla...	8.711	70	66889	4.363	ng/ul	95
18) 4-Methylphenol	8.664	108	85367	4.270	ng/ul	93
19) Hexachloroethane	8.993	117	37331	4.494	ng/ul	98
22) Nitrobenzene	9.111	77	110377	4.609	ng/ul	98
23) Isophorone	9.634	82	173009	4.152	ng/ul	97
25) 2-Nitrophenol	9.822	139	42572	4.925	ng/ul	96
26) 2,4-Dimethylphenol	9.875	107	102264	4.429	ng/ul	96
27) Bis(2-Chloroethoxy)met...	10.122	93	114099	4.459	ng/ul	99
29) 2,4-Dichlorophenol	10.352	162	79714	4.714	ng/ul	96
30) Naphthalene	10.763	128	280468	4.551	ng/ul	100
32) 4-Chloroaniline	10.869	127	116446	4.517	ng/ul	99
33) Hexachlorobutadiene	11.058	225	60621	4.665	ng/ul	98
34) Caprolactam	11.634	113	18336m	3.461	ng/ul	98
35) 4-Chloro-3-methylphenol	11.987	107	85223	4.254	ng/ul	98

JU 8/19/21

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 2-Methylnaphthalene	12.375	142	198356	4.628	ng/ul	99
37) 1-Methylnaphthalene	12.593	142	197794	4.637	ng/ul#	99
39) 1,2,4,5-Tetrachloroben...	12.746	216	112453	4.787	ng/ul	99
40) Hexachlorocyclopentadiene	12.722	237	67319	4.420	ng/ul	95
41) 2,4,6-Trichlorophenol	12.981	196	53541	4.168	ng/ul	95
42) 2,4,5-Trichlorophenol	13.046	196	60877	4.341	ng/ul	87
43) 1,1'-Biphenyl	13.387	154	254913	4.540	ng/ul	97
44) 2-Chloronaphthalene	13.422	162	196738	4.537	ng/ul	99
45) 2-Nitroaniline	13.628	65	47734	3.885	ng/ul	95
47) Dimethylphthalate	14.004	163	246254	4.668	ng/ul	98
48) 2,6-Dinitrotoluene	14.122	165	38804	4.061	ng/ul	96
50) Acenaphthylene	14.269	152	291482	4.600	ng/ul	99
51) 3-Nitroaniline	14.446	138	37229	3.624	ng/ul	90
52) Acenaphthene	14.616	153	214580	4.682	ng/ul	96
53) 2,4-Dinitrophenol	14.651	184	21854	4.117	ng/ul	96
55) 4-Nitrophenol	14.746	109	41665	4.524	ng/ul	90
56) Dibenzofuran	14.946	168	296742	4.683	ng/ul	99
57) 2,4-Dinitrotoluene	14.904	165	55586	4.039	ng/ul#	95
58) 2,3,4,6-Tetrachlorophenol	15.175	232	53358	4.598	ng/ul	95
59) Diethylphthalate	15.369	149	241856	4.585	ng/ul	99
61) Fluorene	15.598	166	240750	4.656	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.593	204	125484	4.654	ng/ul	98
63) 4-Nitroaniline	15.604	138	43071	4.376	ng/ul	93
66) 4,6-Dinitro-2-methylph...	15.669	198	31991	3.972	ng/ul#	86
67) N-Nitrosodiphenylamine	15.804	169	204166	4.613	ng/ul	99
68) 4-Bromophenyl-phenylether	16.487	248	74262	4.564	ng/ul	95
69) Hexachlorobenzene	16.604	284	88652	4.662	ng/ul	97
70) Atrazine	16.757	200	64494	4.017	ng/ul	97
71) Pentachlorophenol	16.945	266	35171	3.297	ng/ul	93
72) Phenanthrene	17.340	178	389443	4.724	ng/ul	97
74) Anthracene	17.434	178	387430	4.603	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.352	216	111839	4.682	ng/uL	98
76) Pentachlorobenzene	14.869	250	105115	4.521	ng/uL	91
77) Carbazole	17.698	167	322096	4.353	ng/ul	97
78) Di-n-butylphthalate	18.275	149	350287	4.163	ng/ul	98
80) Fluoranthene	19.357	202	424964	4.273	ng/ul	98
82) Pyrene	19.722	202	460803	4.452	ng/ul	97
83) Butylbenzylphthalate	20.622	149	129744	3.728	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.404	252	137612	4.404	ng/ul	98
85) Benzo(a)anthracene	21.469	228	442157	4.503	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.404	149	218100	3.951	ng/ul	96
87) Chrysene	21.522	228	436786	4.595	ng/ul	99
89) Di-n-octyl phthalate	22.339	149	330485	3.538	ng/ul	100
90) Benzo(b)fluoranthene	23.169	252	436451	4.498	ng/ul	96
91) Benzo(k)fluoranthene	23.216	252	442658	4.582	ng/ul	100
93) Benzo(a)pyrene	23.798	252	397682	4.527	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	26.416	276	474381	4.355	ng/ul	96
95) Dibenzo(a,h)anthracene	26.439	278	396256	4.407	ng/ul	98
96) Benzo(g,h,i)perylene	27.192	276	408098	4.532	ng/ul	96

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