

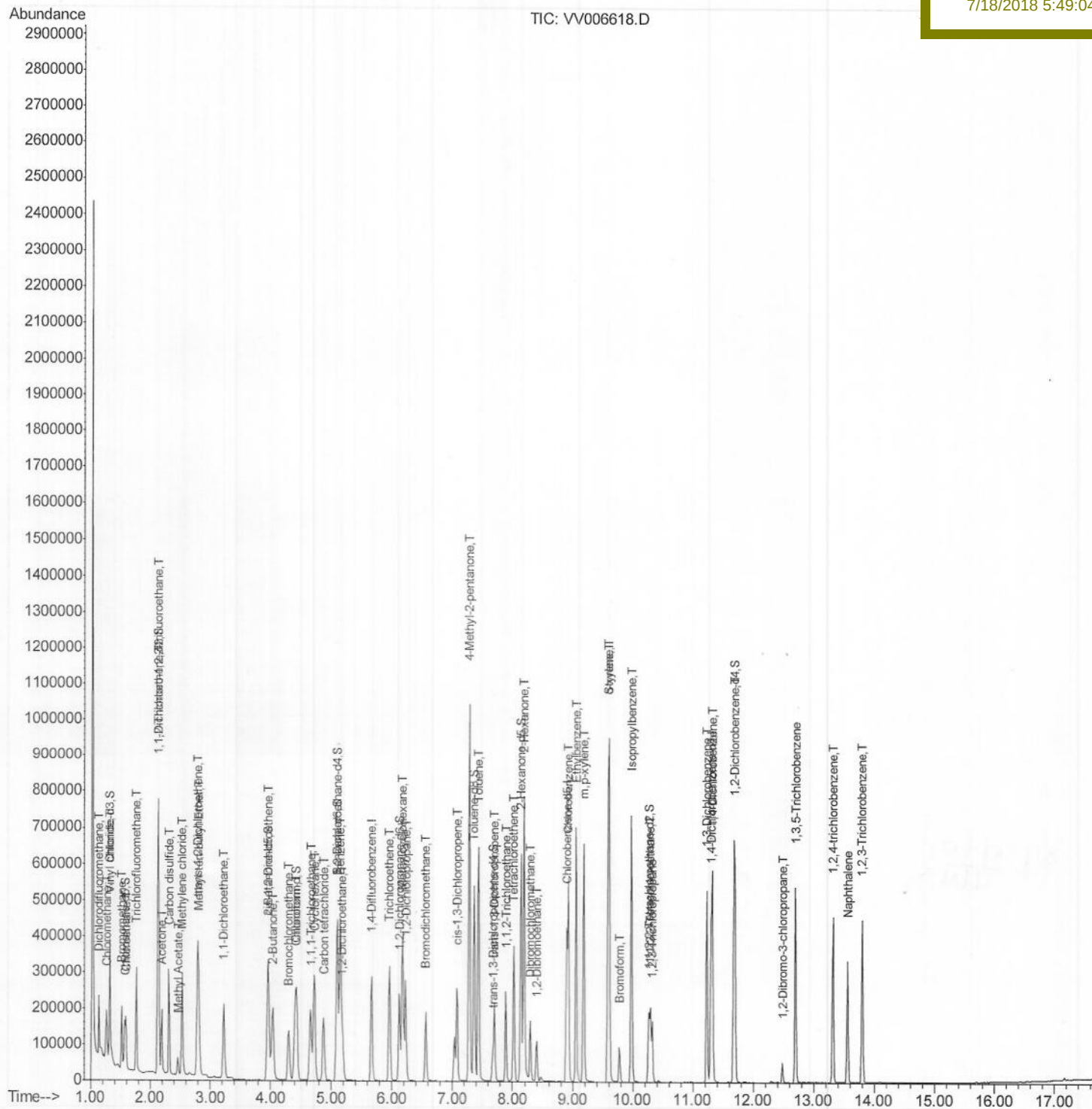
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV071718\
Data File : VV006618.D
Acq On : 17 Jul 2018 14:45
Operator : SY/MD
Sample : VSTDICV005
Misc : 25 mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 18 03:47:38 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jul 17 15:32:48 2018
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VICV80

Manual Integrations
APPROVED

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7/18/2018 5:49:04 PM



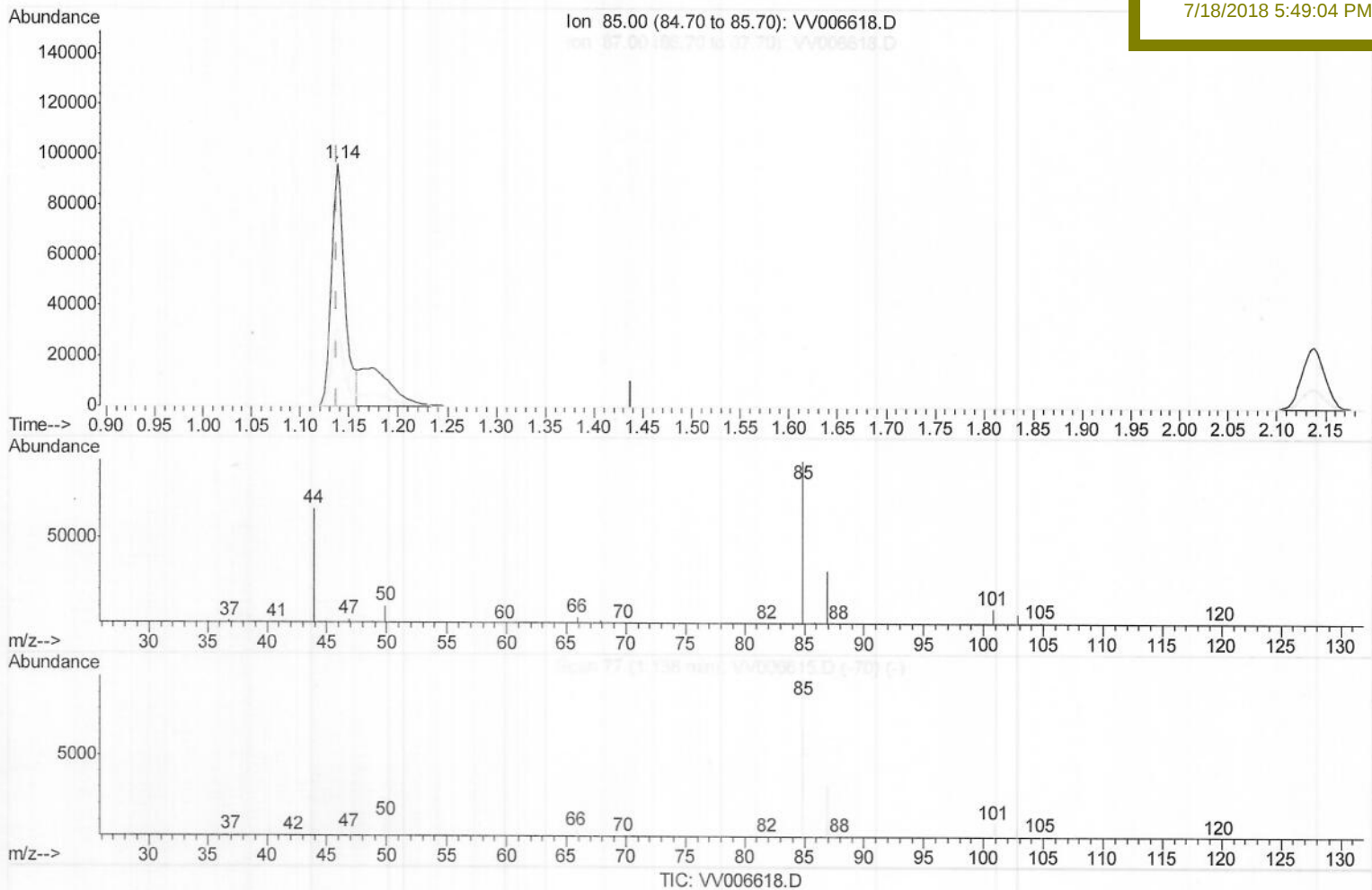
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(2) Dichlorodifluoromethane (T)

1.138min (-0.000) 3.58ug/L

response 91251

Ion	Exp%	Act%
85.00	100	100
87.00	22.90	32.09#
0.00	0.00	0.00
0.00	0.00	0.00

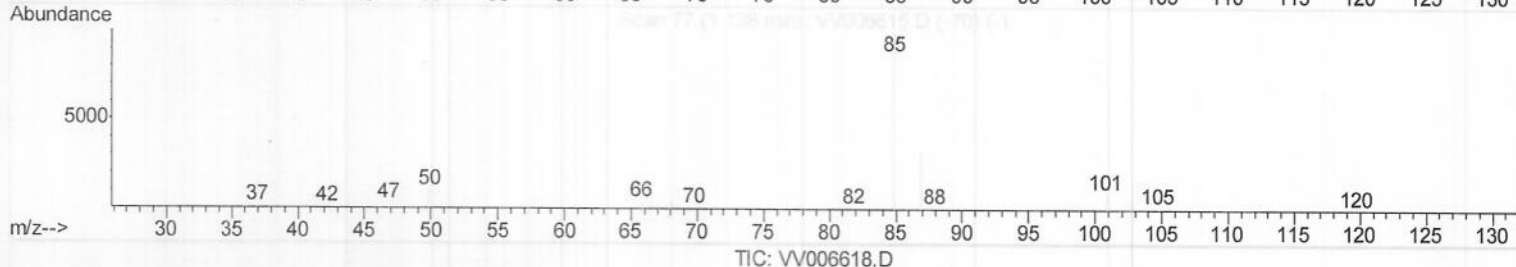
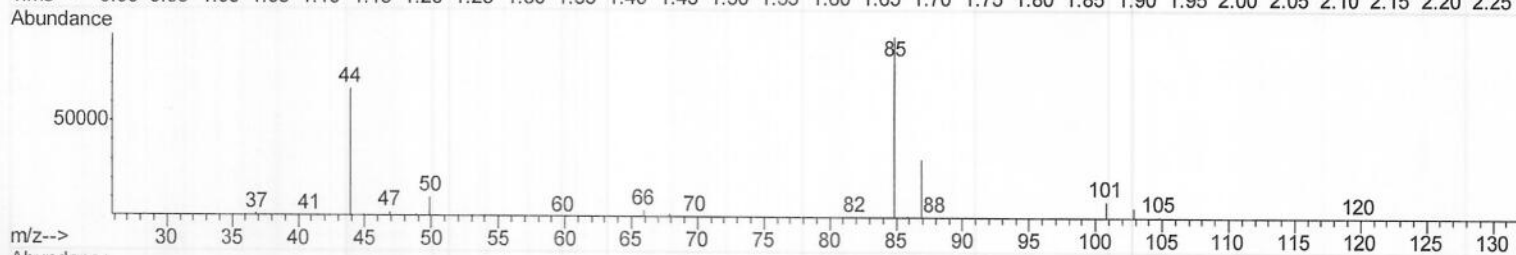
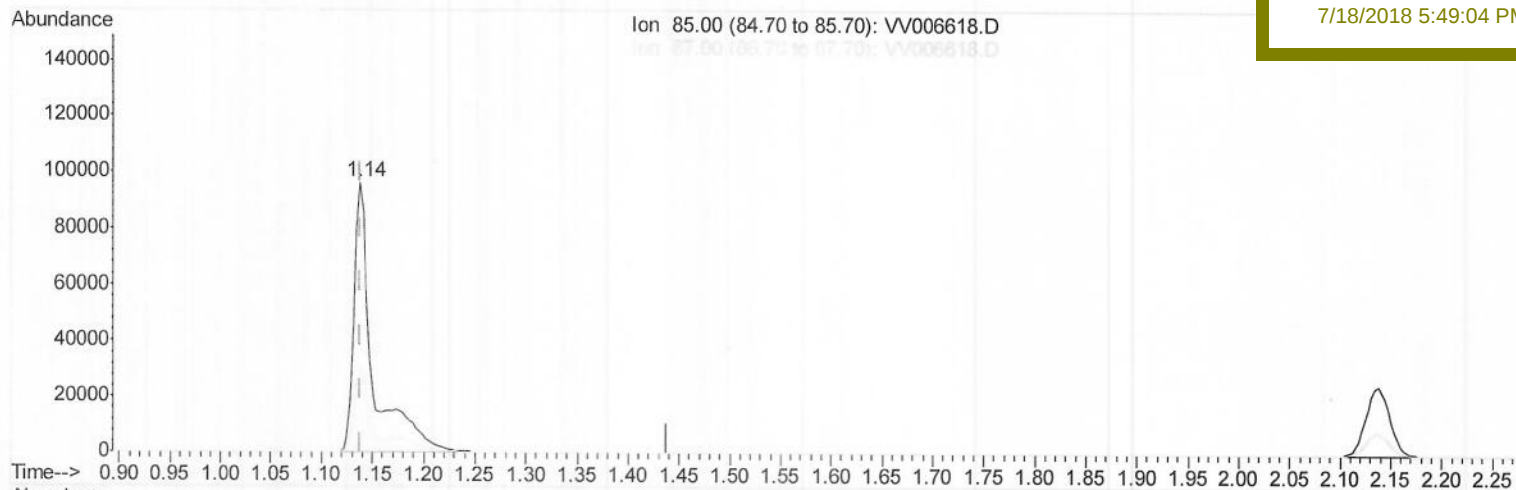
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Client Sampled :
VICV80

Manual Integrations
APPROVED

MMDadoda
7/18/2018 5:49:04 PM



(2) Dichlorodifluoromethane (T)

1.138min (-0.000) 4.99ug/L m) MD

response 127045

07/28/18

Ion	Exp%	Act%
85.00	100	100
87.00	22.90	23.05
0.00	0.00	0.00
0.00	0.00	0.00

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	250833	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	231025	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	110845	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	115924	4.75	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery =	95.00%		
7) Chloroethane-d5	1.57	69	84118	4.75	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery =	95.00%		
11) 1,1-Dichloroethene-d2	2.13	63	196941	4.78	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery =	95.60%		
20) 2-Butanone-d5	3.95	46	190502	56.73	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery =	113.46%		
24) Chloroform-d	4.40	84	184425	4.80	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	96.00%		
26) 1,2-Dichloroethane-d4	5.09	65	89564	4.77	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	95.40%		
32) Benzene-d6	5.10	84	386430	4.84	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	96.80%		
36) 1,2-Dichloropropane-d6	6.12	67	120145	4.81	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery =	96.20%		
41) Toluene-d8	7.36	98	356759	4.89	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	97.80%		
43) trans-1,3-Dichloropropene-	7.67	79	42001	4.87	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery =	97.40%		
46) 2-Hexanone-d5	8.14	63	227659	49.27	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery =	98.54%		
57) 1,1,2,2-Tetrachloroethane-	10.27	84	93048	4.78	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery =	95.60%		
64) 1,2-Dichlorobenzene-d4	11.68	152	128278	4.88	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery =	97.60%		

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	127045m)	4.987 ug/L	100
3) Chloromethane	1.27	50	147770	5.223 ug/L	99
5) Vinyl chloride	1.32	62	152904	5.073 ug/L	99
6) Bromomethane	1.52	94	67095	5.600 ug/L	100
8) Chloroethane	1.59	64	85608	5.057 ug/L	99
9) Trichlorofluoromethane	1.76	101	165758	5.023 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	98887	5.014 ug/L	99
12) 1,1-Dichloroethene	2.14	96	101590	5.057 ug/L	92
13) Acetone	2.19	43	159866	47.695 ug/L	100
14) Carbon disulfide	2.31	76	320907	5.185 ug/L	100
15) Methyl Acetate	2.46	43	48212	4.656 ug/L	100
16) Methylene chloride	2.54	84	117817	4.689 ug/L	98
17) Methyl tert-butyl Ether	2.81	73	261173	5.041 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	114457	5.183 ug/L	98
19) 1,1-Dichloroethane	3.23	63	208321	5.068 ug/L	99
21) 2-Butanone	4.04	43	288510	49.141 ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	120427	5.198 ug/L	99

MD
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	48986	5.190	ug/L	97
25) Chloroform	4.43	83	196409	5.115	ug/L	99
27) 1,2-Dichloroethane	5.19	62	116217	5.105	ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	154697	5.103	ug/L	98
30) Cyclohexane	4.72	56	160577	4.964	ug/L	100
31) Carbon tetrachloride	4.87	117	129266	5.143	ug/L	99
33) Benzene	5.15	78	453542	5.191	ug/L	100
34) Trichloroethene	5.96	95	111808	5.217	ug/L	99
35) Methylcyclohexane	6.18	83	172091	5.079	ug/L	100
37) 1,2-Dichloropropane	6.23	63	116472	5.287	ug/L	100
38) Bromodichloromethane	6.56	83	126027	5.088	ug/L	97
39) cis-1,3-Dichloropropene	7.08	75	152901	5.246	ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	665876	52.460	ug/L	99
42) Toluene	7.43	91	471266	5.293	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	121210	5.358	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	78729	5.092	ug/L	98
47) Tetrachloroethene	8.02	164	87420	5.109	ug/L	97
48) 2-Hexanone	8.19	43	479338	52.935	ug/L	100
49) Dibromochloromethane	8.30	129	82843	5.285	ug/L	96
50) 1,2-Dibromoethane	8.40	107	71286	5.180	ug/L	98
51) Chlorobenzene	8.93	112	301946	5.214	ug/L	99
52) Ethylbenzene	9.06	91	496275	5.274	ug/L	98
53) m,p-xylene	9.19	106	192153	5.315	ug/L	99
54) o-xylene	9.59	106	188717	5.362	ug/L	100
55) Styrene	9.61	104	328087	5.433	ug/L	100
56) Isopropylbenzene	9.98	105	475557	5.280	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	97614	5.101	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	70016	5.105	ug/L	100
61) Bromoform	9.78	173	41453	5.049	ug/L	97
62) 1,3-Dichlorobenzene	11.23	146	224496	5.278	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	227902	5.252	ug/L	98
65) 1,2-Dichlorobenzene	11.70	146	219478	5.235	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	13109	4.975	ug/L	97
67) 1,3,5-Trichlorobenzene	12.70	180	172625	5.263	ug/L	100
68) 1,2,4-trichlorobenzene	13.32	180	145421	5.339	ug/L	99
69) Naphthalene	13.56	128	268257	5.307	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	138316	5.340	ug/L	99

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