

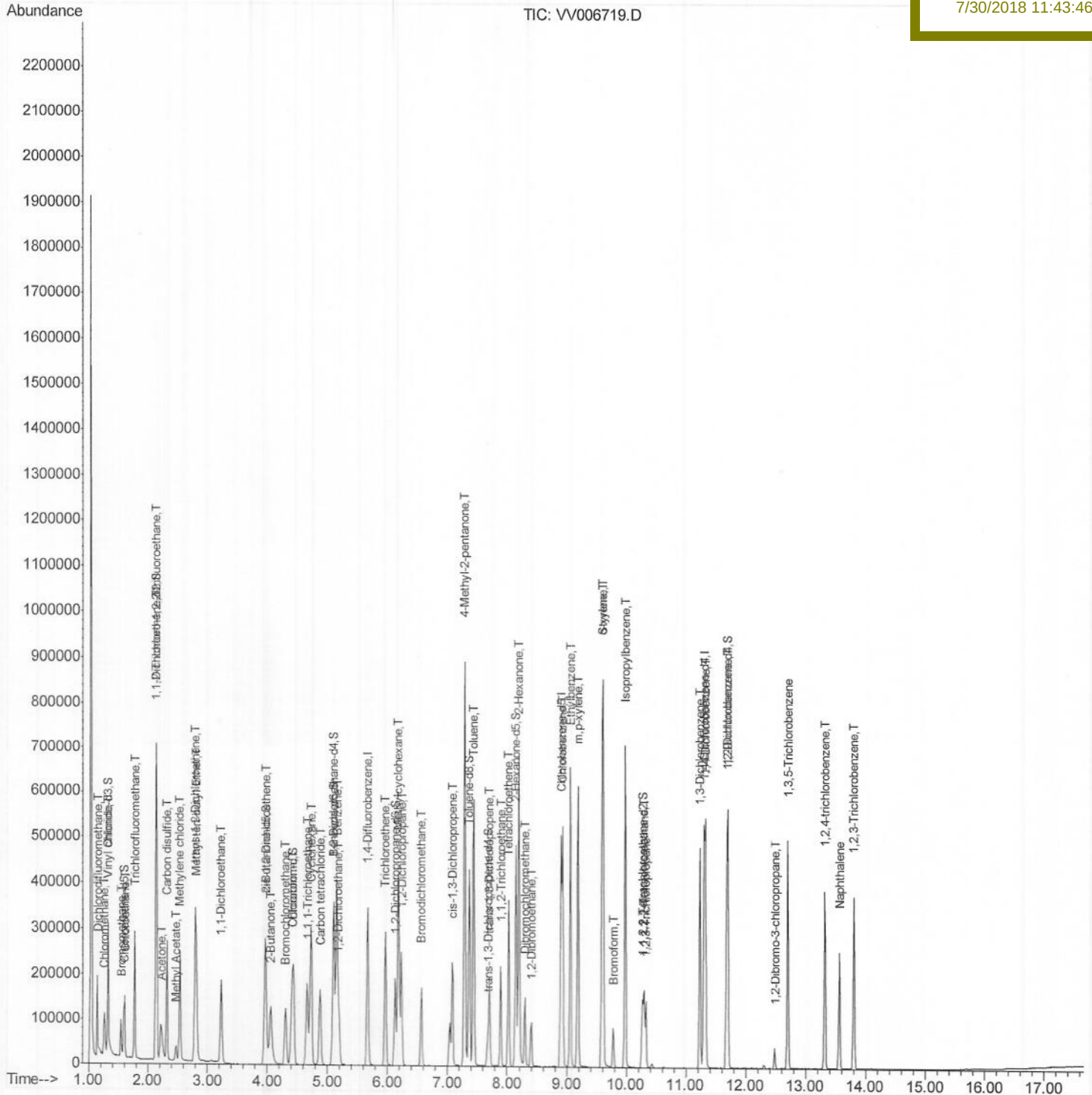
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072718\
Data File : VV006719.D
Acq On : 27 Jul 2018 09:47
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25 mL/MSVOA V/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 28 02:22:32 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072318WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jul 27 15:15:48 2018
Response via : Initial Calibration

Instrument :
MSVOA_V
LabSampleId :
VSTD00563

Manual Integrations

MMDadoda
7/30/2018 11:43:46 AM



Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072718\

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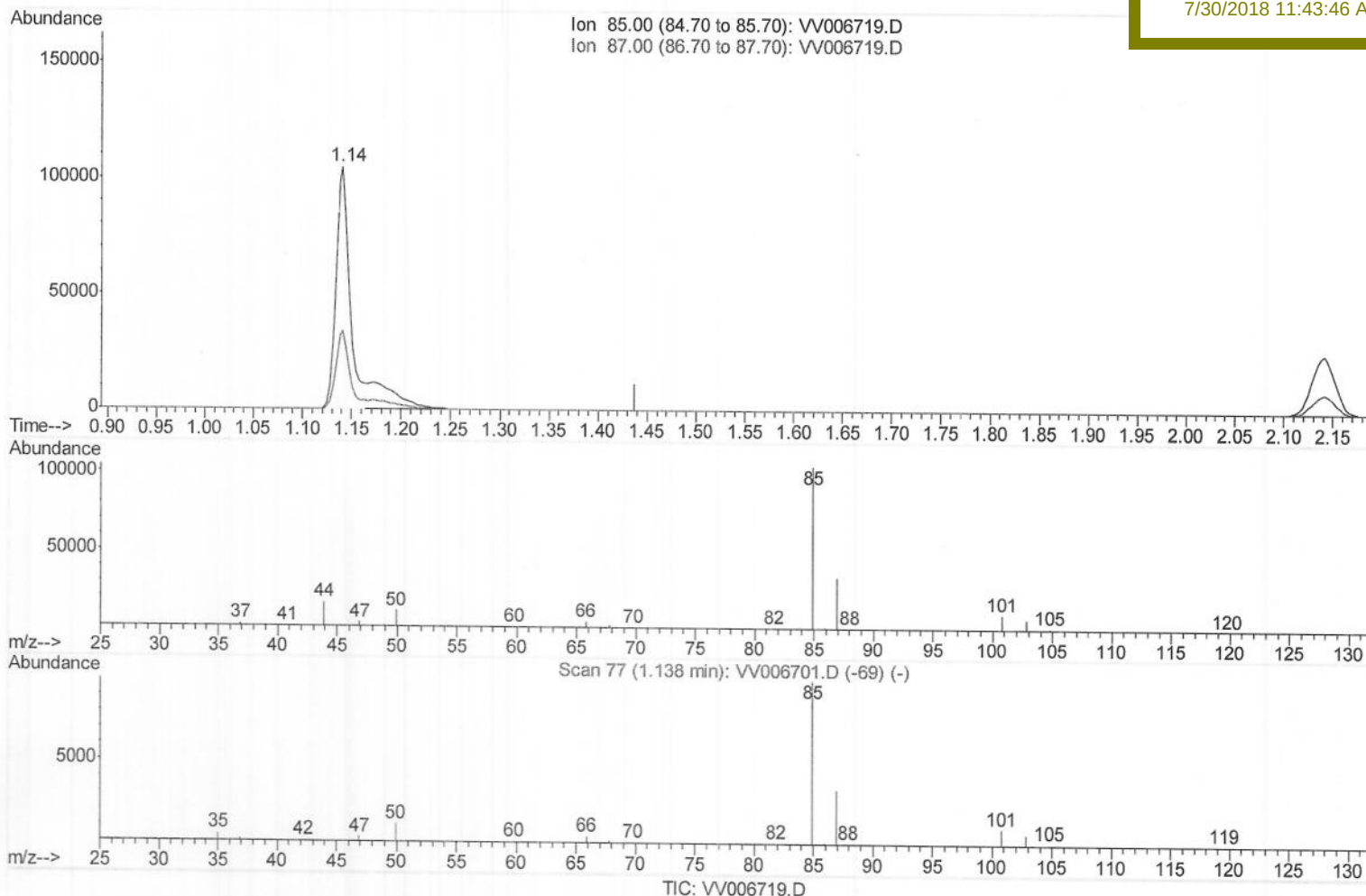
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APPROVED

MMDadoda

7/30/2018 11:43:46 AM



(2) Dichlorodifluoromethane (T)

1.141min (+0.003) 3.80ug/L

response 101131

Ion	Exp%	Act%
85.00	100	100
87.00	24.90	33.20#
0.00	0.00	0.00
0.00	0.00	0.00

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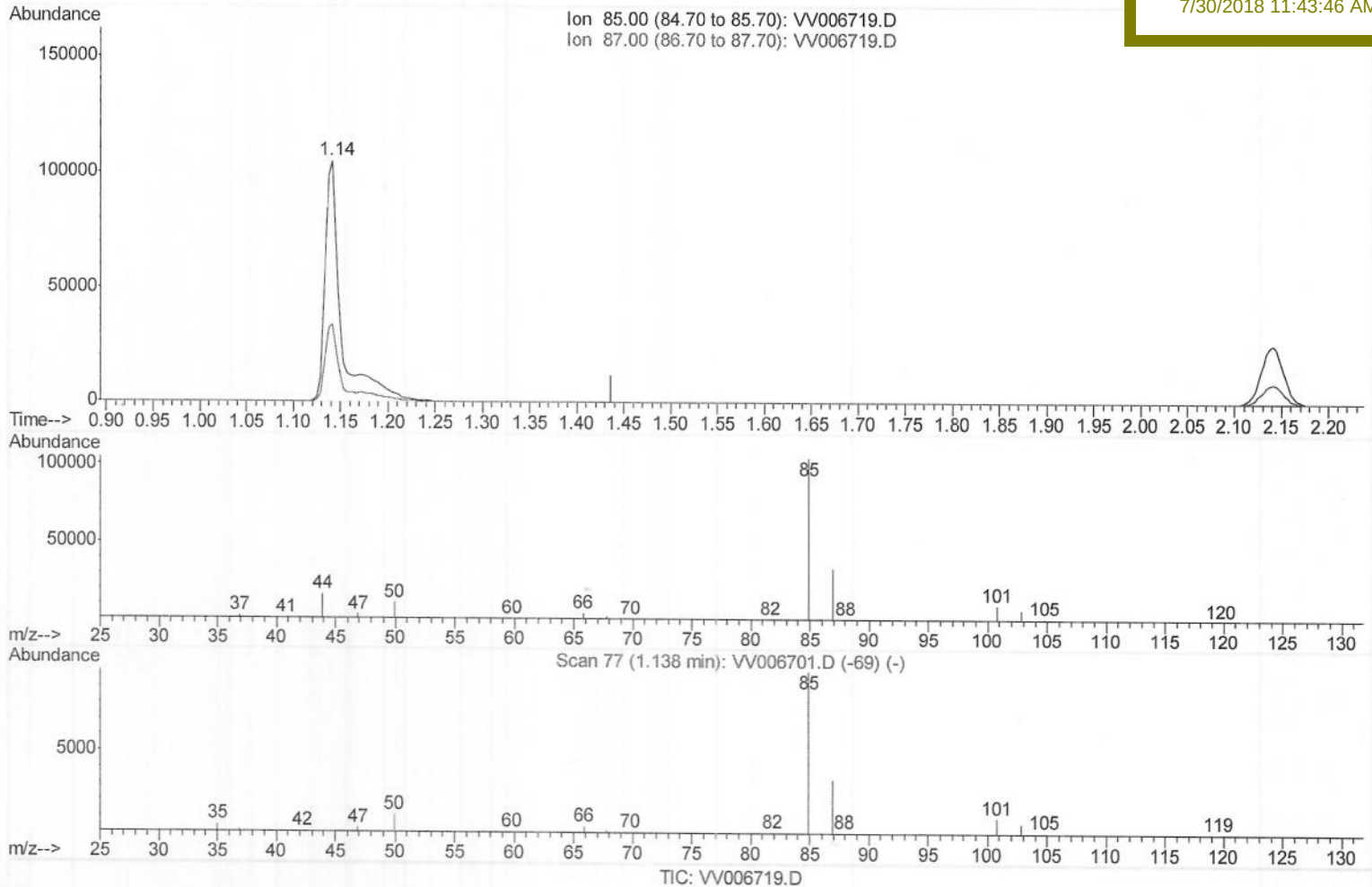
VSTD00563

Manual Integrations

APPROVED

MMDadoda

7/30/2018 11:43:46 AM



(2) Dichlorodifluoromethane (T)

1.141min (+0.003) 4.69ug/L m > MD 08/07/18

response 124820

Ion	Exp%	Act%
85.00	100	100
87.00	24.90	26.90
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	295789	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	275643	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	131676	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	85776	5.57	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery =	111.40%		
7) Chloroethane-d5	1.58	69	63859	5.28	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery =	105.60%		
11) 1,1-Dichloroethene-d2	2.13	63	161460	5.35	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery =	107.00%		
20) 2-Butanone-d5	3.97	46	204702	42.56	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery =	85.12%		
24) Chloroform-d	4.40	84	148027	5.12	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	102.40%		
26) 1,2-Dichloroethane-d4	5.09	65	70785	5.03	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	100.60%		
32) Benzene-d6	5.10	84	307551	5.43	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	108.60%		
36) 1,2-Dichloropropane-d6	6.12	67	96804	5.06	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery =	101.20%		
41) Toluene-d8	7.36	98	282358	5.70	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	114.00%		
43) trans-1,3-Dichloropropene-	7.67	79	33922	5.43	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery =	108.60%		
46) 2-Hexanone-d5	8.14	63	177466	44.88	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery =	89.76%		
57) 1,1,2,2-Tetrachloroethane-	10.27	84	71964	4.61	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery =	92.20%		
64) 1,2-Dichlorobenzene-d4	11.68	152	99889	5.09	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery =	101.80%		

Target Compounds

				Ovalue
2) Dichlorodifluoromethane	1.14	85	124820m)	4.690 ug/L
3) Chloromethane	1.26	50	116050	5.135 ug/L
5) Vinyl chloride	1.32	62	134977	4.768 ug/L
6) Bromomethane	1.54	94	39314	5.675 ug/L
8) Chloroethane	1.60	64	76027	4.908 ug/L
9) Trichlorofluoromethane	1.77	101	160677	4.948 ug/L
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	99324	5.020 ug/L
12) 1,1-Dichloroethene	2.14	96	91901	4.743 ug/L
13) Acetone	2.22	43	152396	49.797 ug/L
14) Carbon disulfide	2.32	76	293702	4.507 ug/L
15) Methyl Acetate	2.47	43	42610	4.697 ug/L
16) Methylene chloride	2.54	84	100557	4.527 ug/L
17) Methyl tert-butyl Ether	2.81	73	228706	4.811 ug/L
18) trans-1,2-Dichloroethene	2.79	96	101694	4.832 ug/L
19) 1,1-Dichloroethane	3.23	63	189348	4.891 ug/L
21) 2-Butanone	4.06	43	248745	48.526 ug/L
22) cis-1,2-Dichloroethene	3.96	96	103752	4.728 ug/L

MP08/07/18

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	43805	4.851	ug/L	95
25) Chloroform	4.43	83	177089	4.874	ug/L	99
27) 1,2-Dichloroethane	5.19	62	103270	4.845	ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	146233	4.931	ug/L	99
30) Cyclohexane	4.72	56	161247	4.856	ug/L	100
31) Carbon tetrachloride	4.88	117	125694	4.959	ug/L	99
33) Benzene	5.15	78	410104	4.949	ug/L	100
34) Trichloroethene	5.96	95	103185	4.933	ug/L	98
35) Methylcyclohexane	6.18	83	174616	4.997	ug/L	99
37) 1,2-Dichloropropane	6.23	63	104650	4.919	ug/L	100
38) Bromodichloromethane	6.56	83	116783	4.915	ug/L	100
39) cis-1,3-Dichloropropene	7.08	75	138341	4.992	ug/L	100
40) 4-Methyl-2-pentanone	7.29	43	585337	50.056	ug/L	100
42) Toluene	7.43	91	426730	5.001	ug/L	98
44) trans-1,3-Dichloropropene	7.70	75	110080	5.052	ug/L	98
45) 1,1,2-Trichloroethane	7.89	97	70019	4.887	ug/L	98
47) Tetrachloroethene	8.02	164	83610	5.032	ug/L	98
48) 2-Hexanone	8.19	43	415416	50.912	ug/L	100
49) Dibromochloromethane	8.30	129	75961	5.010	ug/L	99
50) 1,2-Dibromoethane	8.40	107	62682	4.895	ug/L	99
51) Chlorobenzene	8.93	112	272813	4.915	ug/L	99
52) Ethylbenzene	9.06	91	455698	5.010	ug/L	99
53) m,p-xylene	9.19	106	176433	5.138	ug/L	99
54) o-xylene	9.59	106	170459	5.096	ug/L	100
55) Styrene	9.61	104	291832	5.172	ug/L	98
56) Isopropylbenzene	9.98	105	444711	5.119	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	81977	4.678	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	60468	4.830	ug/L	99
61) Bromoform	9.78	173	38660	4.831	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	197604	4.855	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	203643	4.909	ug/L	100
65) 1,2-Dichlorobenzene	11.70	146	193838	4.889	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	11251	4.741	ug/L	99
67) 1,3,5-Trichlorobenzene	12.70	180	156052	5.021	ug/L	98
68) 1,2,4-trichlorobenzene	13.32	180	122096	4.946	ug/L	100
69) Naphthalene	13.56	128	202867	4.802	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	116719	4.996	ug/L	99

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