

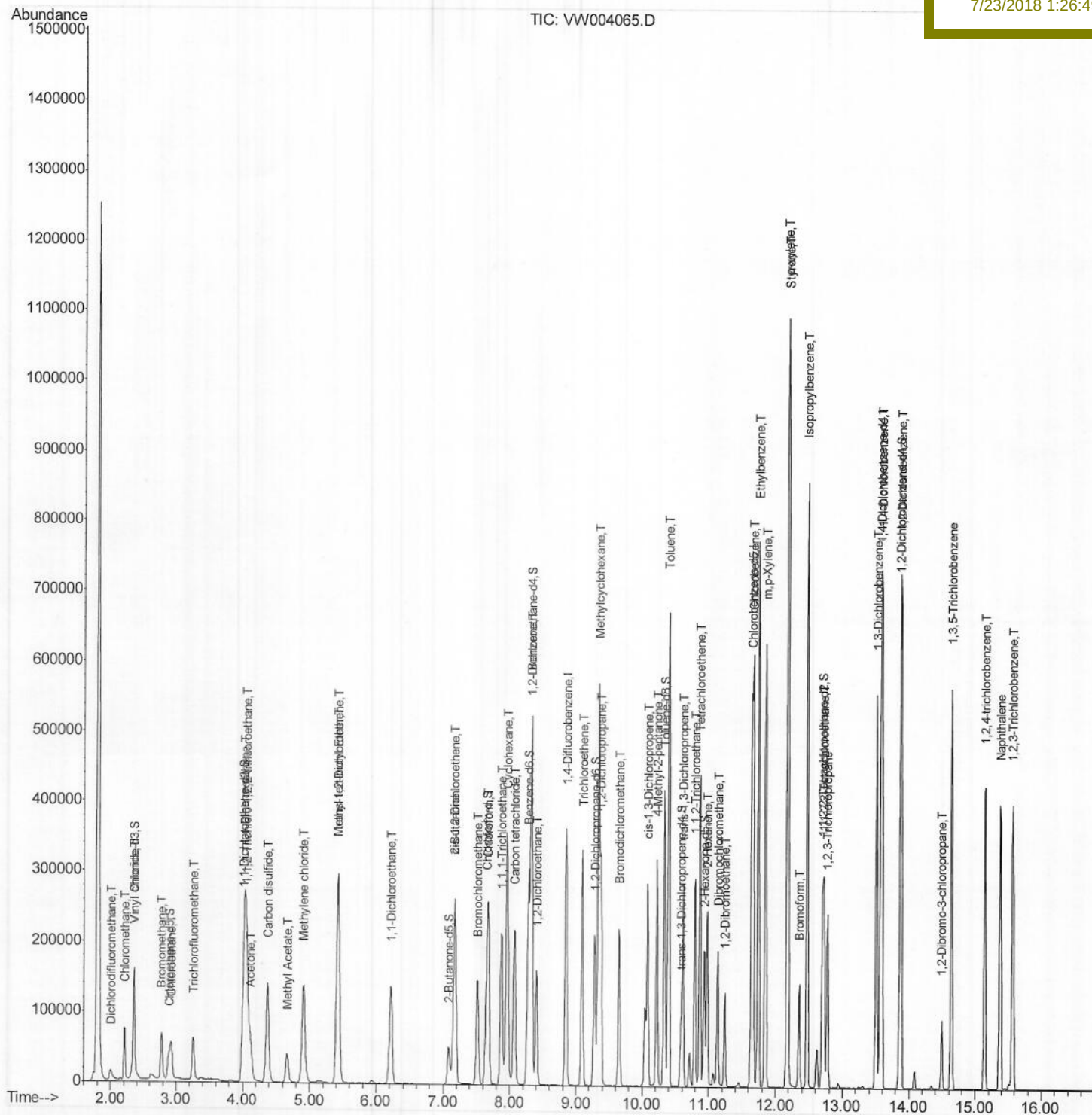
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW071918\
Data File : VW004065.D
Acq On : 20 Jul 2018 05:35
Operator : VA/AP
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 20 08:33:39 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 20 07:22:04 2018
Response via : Initial Calibration

Instrument :
MSVOA_W
LabSampleId :
VSTD02591

Manual Integrations
APPROVED

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7/23/2018 1:26:49 PM



Quantitation Report (Qedit)

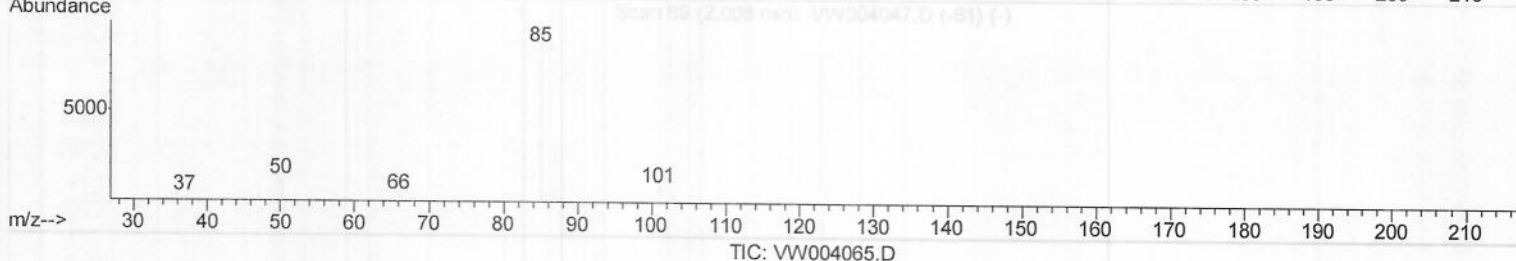
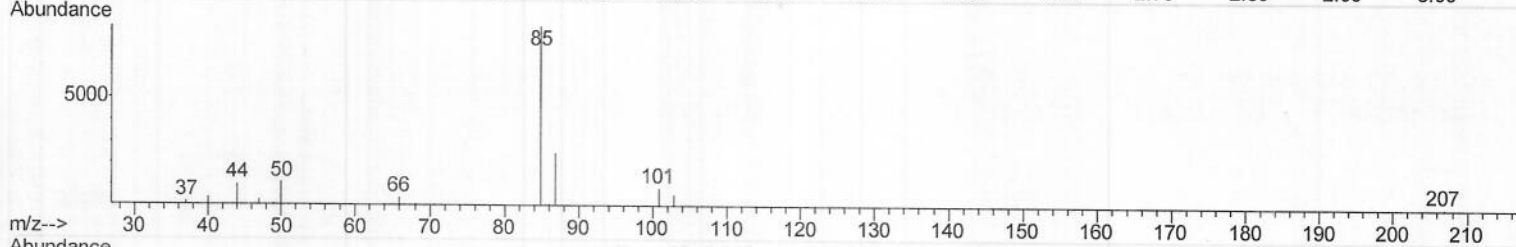
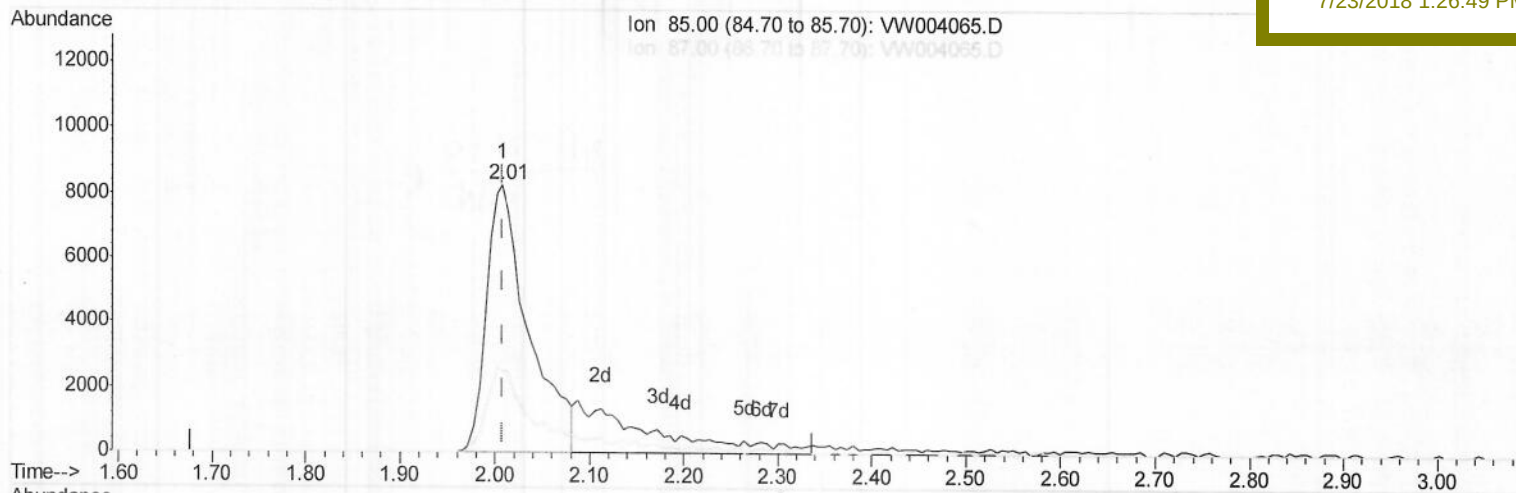
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(2) Dichlorodifluoromethane (T)

2.008min (+0.000) 13.31ug/L

response 25421

Ion	Exp%	Act%
85.00	100	100
87.00	0.10	29.23#
0.00	0.00	0.00
0.00	0.00	0.00

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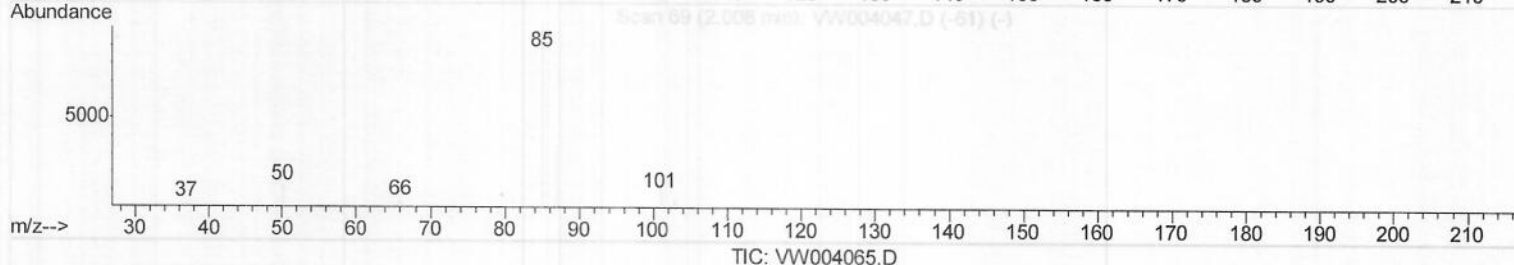
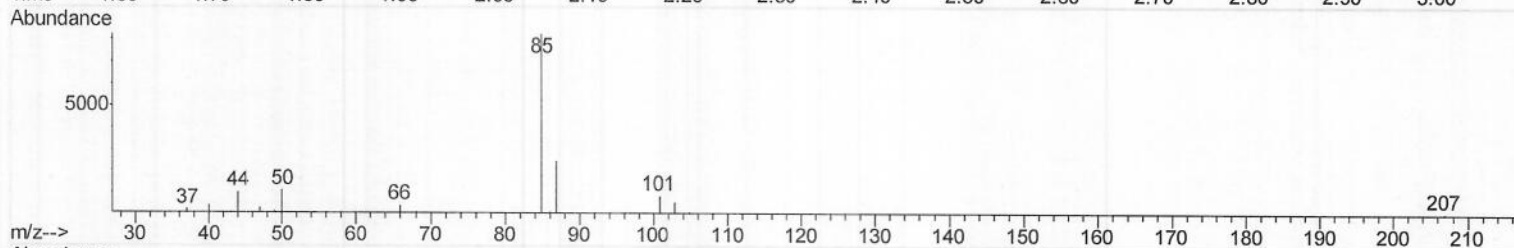
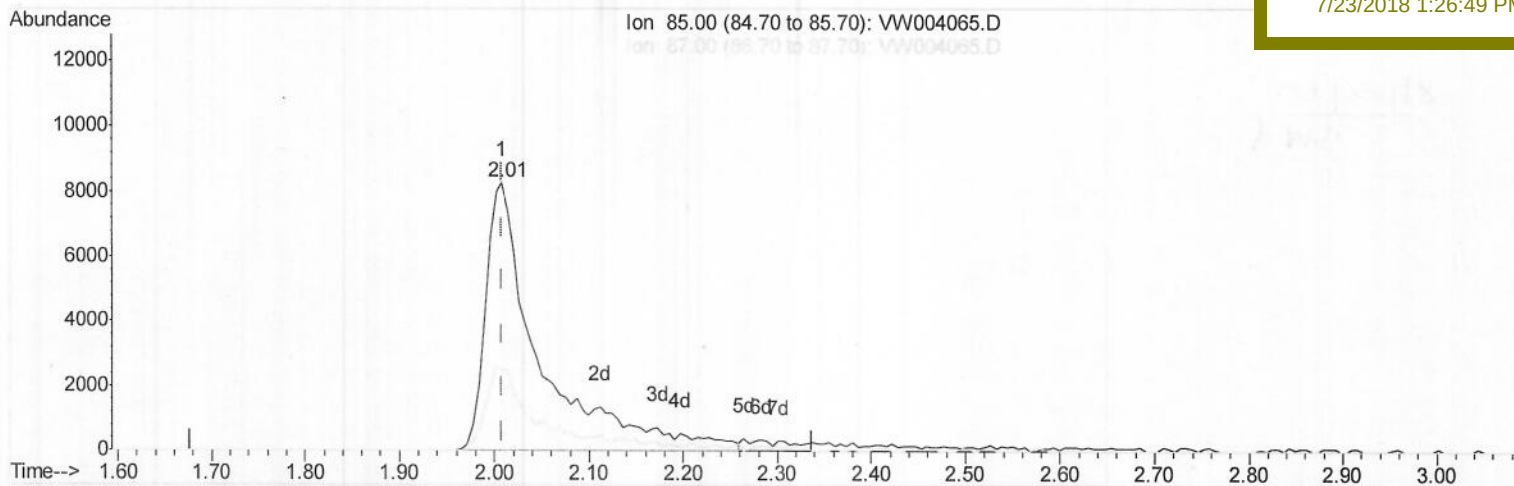
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Manual Integrations
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(2) Dichlorodifluoromethane (T)

2.008min (+0.000) 17.19ug/L m

response 32838

Ion	Exp%	Act%
85.00	100	100
87.00	0.10	22.63#
0.00	0.00	0.00
0.00	0.00	0.00

MD
07/24/18

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	298354	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	273860	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	137649	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	63456	21.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.00%
7) Chloroethane-d5	2.89	69	47919	22.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.12%
10) 1,1-Dichloroethene-d2	4.01	63	167111	23.60	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.40%
20) 2-Butanone-d5	7.08	46	87456	50.54	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.08%
24) Chloroform-d	7.65	84	169873	23.99	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.96%
26) 1,2-Dichloroethane-d4	8.31	65	98005	22.98	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.92%
29) Benzene-d6	8.28	84	303464	23.89	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.56%
33) 1,2-Dichloropropane-d6	9.28	67	101565	23.97	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.88%
37) Toluene-d8	10.33	98	274430	24.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.16%
38) trans-1,3-Dichloropropene-	10.58	79	42749	22.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.84%
39) 2-Hexanone-d5	10.93	63	61973	54.34	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.68%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	117588	25.33	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.32%
61) 1,2-Dichlorobenzene-d4	13.86	152	106424	24.04	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.16%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	32838m)	17.190	ug/L	96
3) Chloromethane	2.21	50	68142	22.313	ug/L	100
5) Vinyl chloride	2.36	62	107739	23.429	ug/L	100
6) Bromomethane	2.78	94	53774	22.028	ug/L	93
8) Chloroethane	2.93	64	55669	23.092	ug/L	99
9) Trichlorofluoromethane	3.26	101	60721	26.503	ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	109958	26.989	ug/L	92
12) 1,1-Dichloroethene	4.03	96	100615	25.334	ug/L	100
13) Acetone	4.12	43	72770	38.678	ug/L	100
14) Carbon disulfide	4.37	76	322721	25.118	ug/L	100
15) Methyl Acetate	4.67	43	80058	24.943	ug/L	97
16) Methylene chloride	4.92	84	108320	18.925	ug/L	100
17) Methyl tert-butyl Ether	5.43	73	194710	25.350	ug/L	98
18) trans-1,2-Dichloroethene	5.42	96	105577	25.821	ug/L	99
19) 1,1-Dichloroethane	6.21	63	201087	25.850	ug/L	97
21) 2-Butanone	7.17	43	102533	43.922	ug/L	94
22) cis-1,2-Dichloroethene	7.17	96	112508	25.744	ug/L	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	51297	24.963	ug/L	98
25) Chloroform	7.68	83	201786	25.402	ug/L	99
27) 1,2-Dichloroethane	8.40	62	146783	25.071	ug/L	98
30) Cyclohexane	7.96	56	193706	29.001	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	170688	27.405	ug/L	99
32) Carbon tetrachloride	8.07	117	165753	27.584	ug/L	100
34) Benzene	8.33	78	448348	26.708	ug/L	100
35) Trichloroethene	9.09	95	117983	26.268	ug/L	99
36) Methylcyclohexane	9.34	83	219215	29.530	ug/L	100
40) 1,2-Dichloropropane	9.37	63	119663	26.295	ug/L	100
41) Bromodichloromethane	9.65	83	144694	25.824	ug/L	99
42) cis-1,3-Dichloropropene	10.08	75	159778	24.917	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	210280	52.562	ug/L	100
44) Toluene	10.39	91	482267	27.416	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	149079	25.205	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	89635	25.343	ug/L	97
47) Tetrachloroethene	10.87	164	97836	27.008	ug/L	97
49) 2-Hexanone	10.98	43	157847	50.964	ug/L	99
50) Dibromochloromethane	11.13	129	101807	25.695	ug/L	98
51) 1,2-Dibromoethane	11.24	107	86904	25.158	ug/L	96
52) Chlorobenzene	11.66	112	293696	26.040	ug/L	98
53) Ethylbenzene	11.74	91	526042	27.626	ug/L	98
54) m,p-Xylene	11.85	106	201240	28.675	ug/L	100
55) o-xylene	12.17	106	189758	28.269	ug/L	97
56) Styrene	12.19	104	326344	28.143	ug/L	99
57) Isopropylbenzene	12.47	105	535176	29.079	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	128415	25.402	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	100901	25.784	ug/L	100
62) Bromoform	12.35	173	68267	26.280	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	220116	25.963	ug/L	97
64) 1,4-Dichlorobenzene	13.59	146	232093	25.532	ug/L	97
65) 1,2-Dichlorobenzene	13.88	146	213134	25.797	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	24008	24.925	ug/L	98
67) 1,3,5-Trichlorobenzene	14.64	180	176703	26.358	ug/L	98
68) 1,2,4-trichlorobenzene	15.15	180	138674	25.794	ug/L	98
69) Naphthalene	15.38	128	338023	27.925	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	138243	27.026	ug/L	100

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