

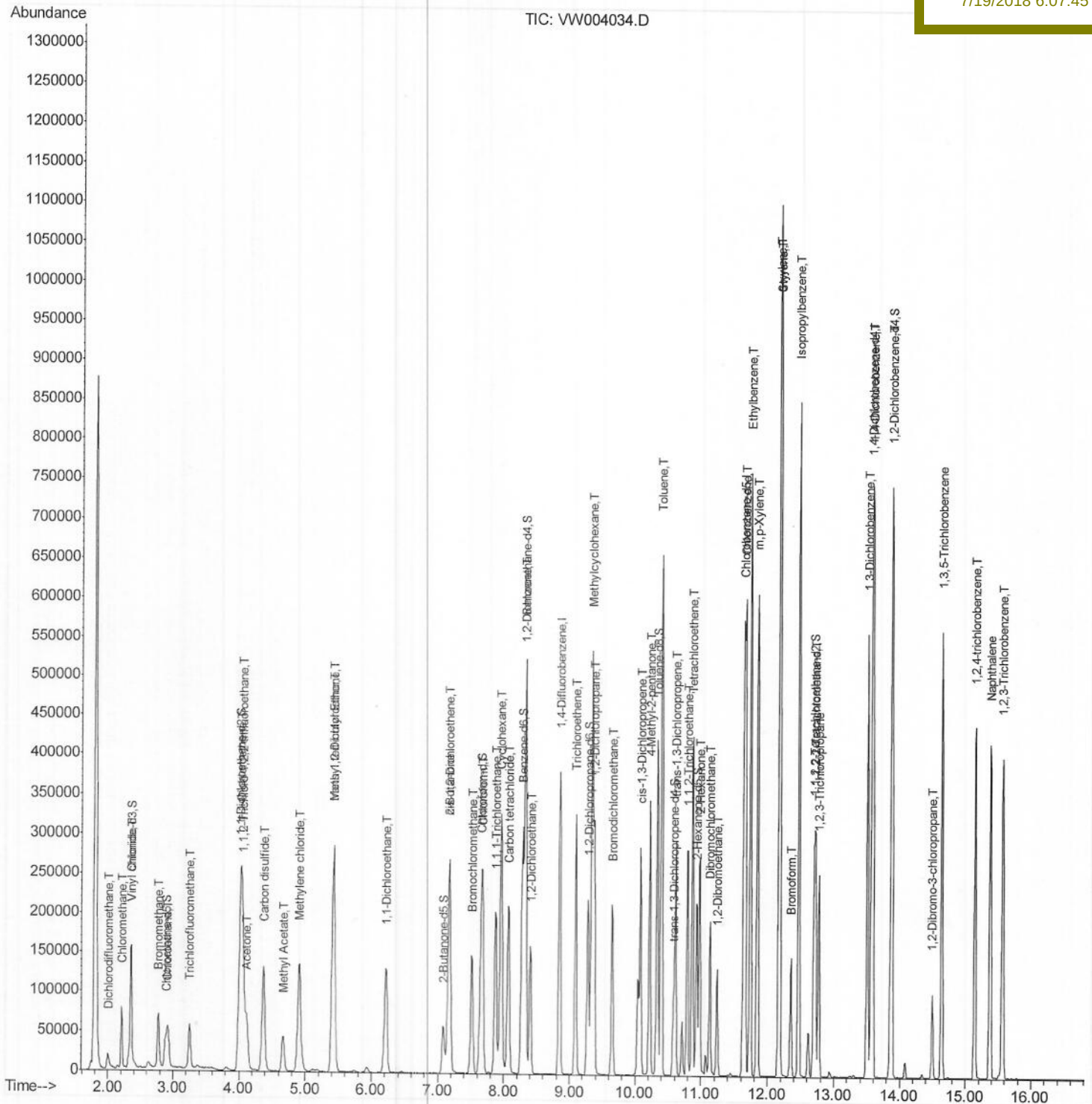
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW071818\
Data File : VW004034.D
Acq On : 18 Jul 2018 20:52
Operator : VA/AP
Sample : VSTDICV025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 19 07:59:05 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
Quant Title : VOC Analysis
QLast Update : Thu Jul 19 07:52:08 2018
Response via : Initial Calibration

Instrument :
MSVOA_W
Client Sampled :
VICV88

Manual Integrations
APPROVED

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7/19/2018 6:07:45 PM



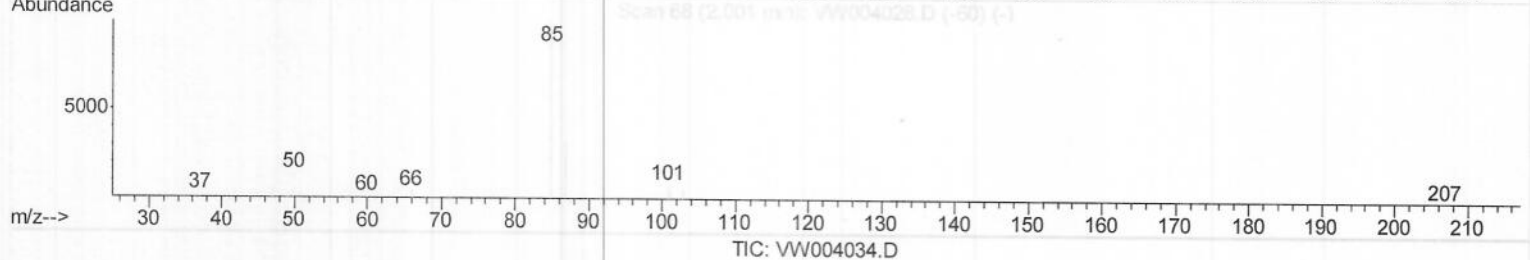
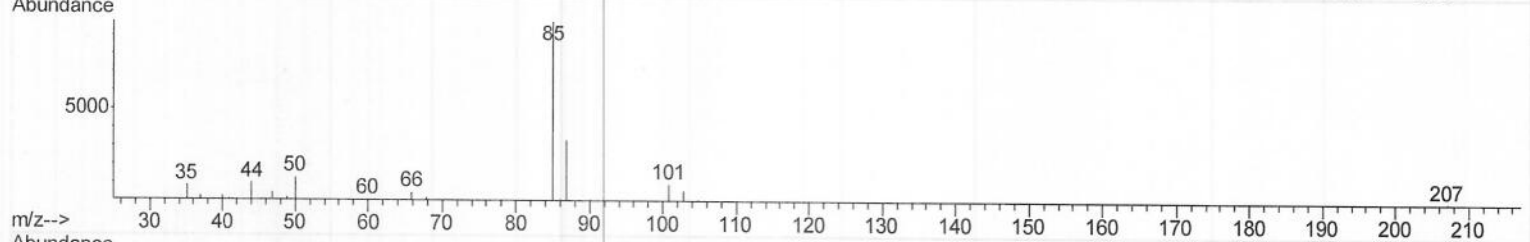
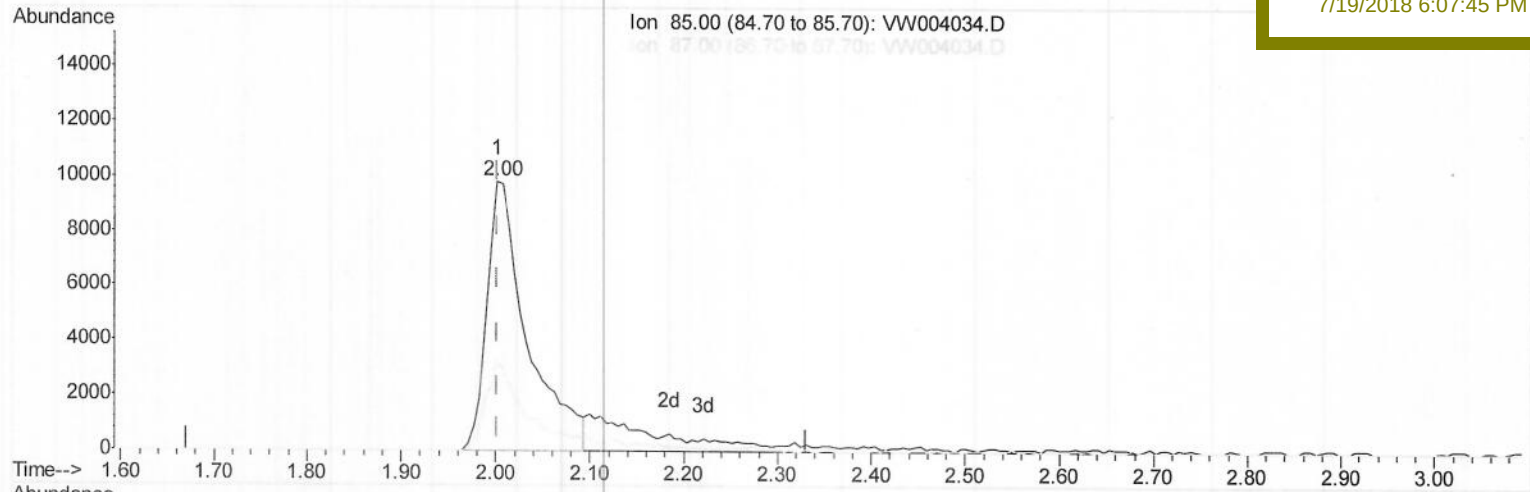
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Quant Time: Jul 19 07:58:36 2018
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(2) Dichlorodifluoromethane (T)

2.001min (+0.000) 14.65ug/L

response 28981

Ion	Exp%	Act%
85.00	100	100
87.00	0.10	25.38#
0.00	0.00	0.00
0.00	0.00	0.00

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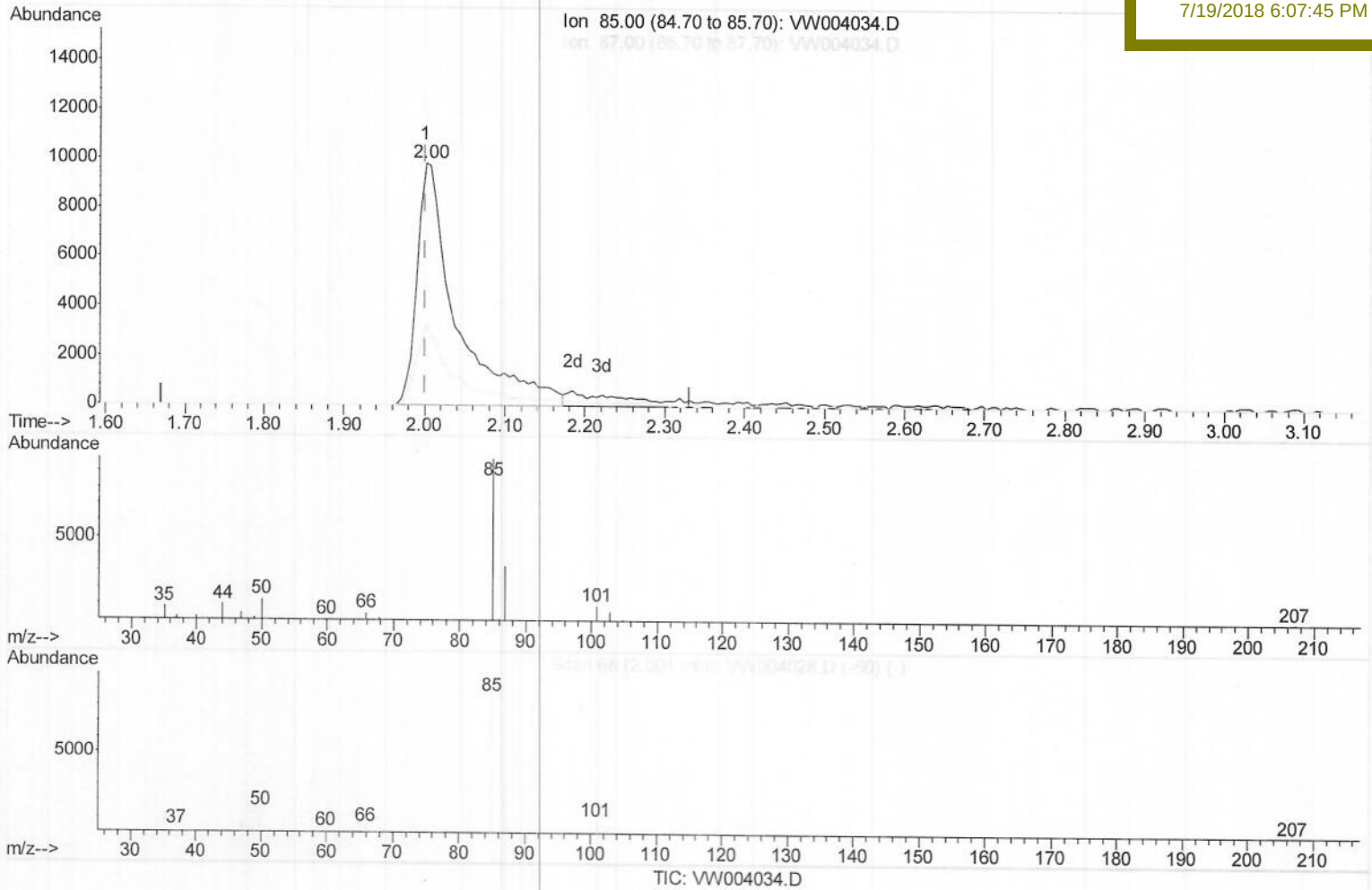
VICV88

Manual Integrations

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(2) Dichlorodifluoromethane (T)

2.001min (+0.000) 16.78ug/L m) MD
07/24/18

response 33193

Ion	Exp%	Act%
85.00	100	100
87.00	0.10	22.16#
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	8.85	114	309016	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	281893	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	143171	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	67168	21.97	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	87.88%		
7) Chloroethane-d5	2.89	69	49859	22.63	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	90.52%		
10) 1,1-Dichloroethene-d2	4.01	63	165373	22.55	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	90.20%		
20) 2-Butanone-d5	7.08	46	97333	54.30	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	108.60%		
24) Chloroform-d	7.65	84	173426	23.65	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	94.60%		
26) 1,2-Dichloroethane-d4	8.31	65	102528	23.21	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	92.84%		
29) Benzene-d6	8.27	84	309820	23.70	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	94.80%		
33) 1,2-Dichloropropane-d6	9.28	67	103028	23.62	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	94.48%		
37) Toluene-d8	10.33	98	284631	24.22	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	96.88%		
38) trans-1,3-Dichloropropene-	10.58	79	46091	24.05	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	96.20%		
39) 2-Hexanone-d5	10.93	63	70366	59.94	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	119.88%		
48) 1,1,2,2-Tetrachloroethane-	12.70	84	124573	26.07	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	104.28%		
61) 1,2-Dichlorobenzene-d4	13.87	152	111032	24.12	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	96.48%		

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	33193m)	16.777	ug/L	98
3) Chloromethane	2.21	50	66280	20.955	ug/L	98
5) Vinyl chloride	2.35	62	103597	21.751	ug/L	99
6) Bromomethane	2.78	94	56172	22.216	ug/L	97
8) Chloroethane	2.92	64	54962	22.013	ug/L	98
9) Trichlorofluoromethane	3.25	101	56036	23.614	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	101283	24.002	ug/L	98
12) 1,1-Dichloroethene	4.03	96	96949	23.569	ug/L	92
13) Acetone	4.12	43	87180	44.738	ug/L	100
14) Carbon disulfide	4.37	76	312011	23.446	ug/L	100
15) Methyl Acetate	4.67	43	84966	25.558	ug/L	100
16) Methylene chloride	4.91	84	111666	18.836	ug/L	97
17) Methyl tert-butyl Ether	5.43	73	189868	23.867	ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	102408	24.182	ug/L	97
19) 1,1-Dichloroethane	6.22	63	193743	24.047	ug/L	98
21) 2-Butanone	7.18	43	121047	50.064	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	111055	24.535	ug/L	96

MD
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	50477	23.717	ug/L	98
25) Chloroform	7.68	83	197697	24.029	ug/L	100
27) 1,2-Dichloroethane	8.40	62	145084	23.926	ug/L	97
30) Cyclohexane	7.95	56	180531	26.259	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	161251	25.152	ug/L	99
32) Carbon tetrachloride	8.07	117	153188	24.766	ug/L	97
34) Benzene	8.32	78	437497	25.319	ug/L	100
35) Trichloroethene	9.09	95	112770	24.392	ug/L	98
36) Methylcyclohexane	9.34	83	205424	26.883	ug/L	100
40) 1,2-Dichloropropane	9.37	63	116090	24.783	ug/L	99
41) Bromodichloromethane	9.65	83	140454	24.353	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	164588	24.936	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	229096	55.633	ug/L	98
44) Toluene	10.39	91	471251	26.027	ug/L	97
45) trans-1,3-Dichloropropene	10.61	75	153787	25.260	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	89825	24.673	ug/L	98
47) Tetrachloroethene	10.87	164	92969	24.933	ug/L	96
49) 2-Hexanone	10.98	43	175415	55.022	ug/L	99
50) Dibromochloromethane	11.13	129	101295	24.838	ug/L	97
51) 1,2-Dibromoethane	11.24	107	88944	25.015	ug/L	95
52) Chlorobenzene	11.66	112	284484	24.505	ug/L	97
53) Ethylbenzene	11.74	91	515241	26.288	ug/L	99
54) m,p-Xylene	11.85	106	189869	26.284	ug/L	98
55) o-xylene	12.17	106	184186	26.657	ug/L	97
56) Styrene	12.19	104	322830	27.046	ug/L	98
57) Isopropylbenzene	12.47	105	517404	27.312	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	130397	25.059	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	102358	25.411	ug/L	99
62) Bromoform	12.35	173	66531	24.624	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	219634	24.907	ug/L	100
64) 1,4-Dichlorobenzene	13.58	146	230742	24.404	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	215493	25.077	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	25445	25.398	ug/L	99
67) 1,3,5-Trichlorobenzene	14.64	180	174621	25.043	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	140406	25.109	ug/L	98
69) Naphthalene	15.38	128	343962	27.320	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	136372	25.632	ug/L	100

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