

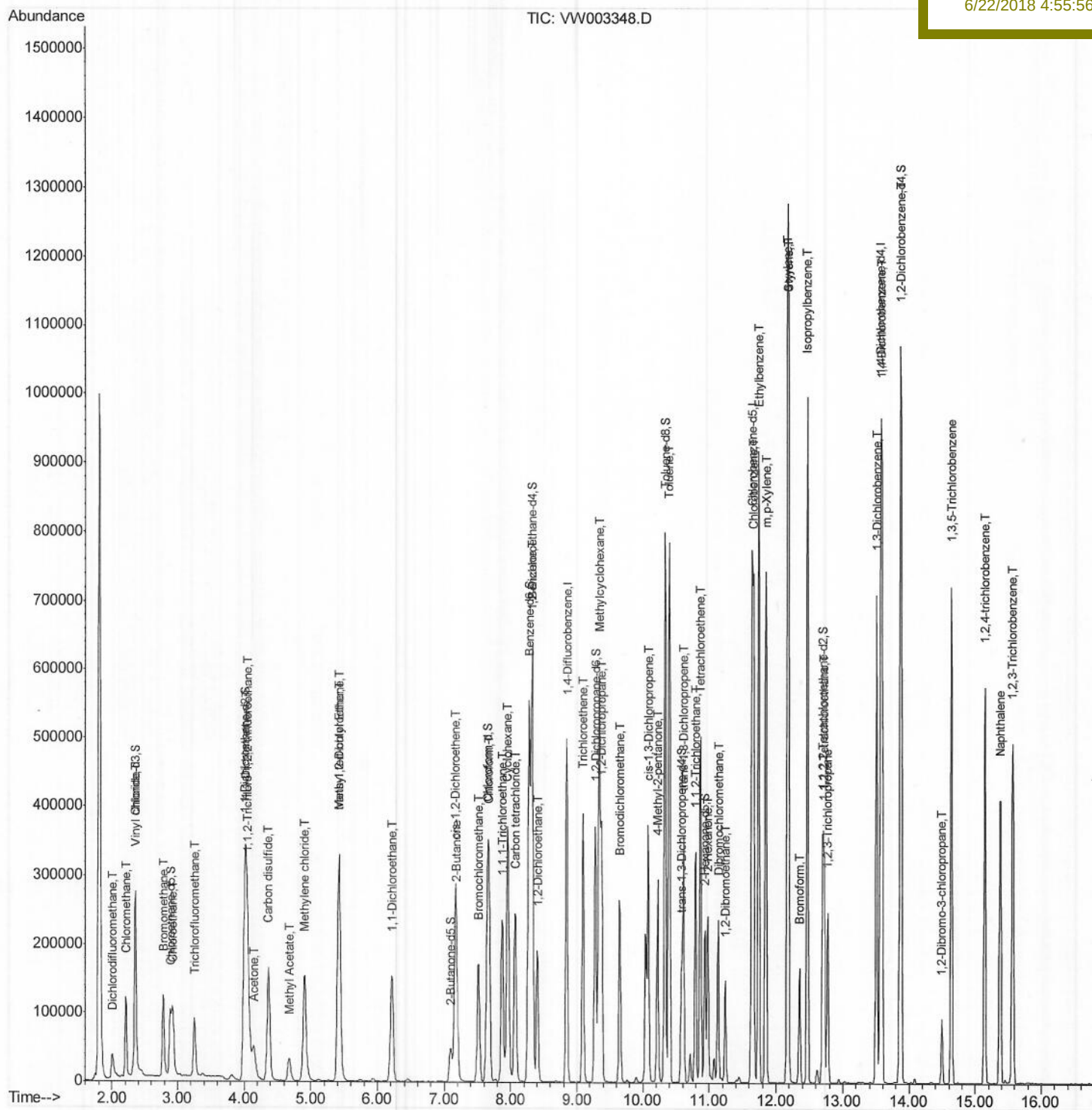
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062018\
 Data File : VW003348.D
 Acq On : 20 Jun 2018 12:10
 Operator : SY/AP
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 Client Sampled :
 VICV91

Quant Time: Jun 21 04:23:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 21 04:12:02 2018
 Response via : Initial Calibration

Manual Integrations
 APPROVED

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 6/22/2018 4:55:56 PM



Quantitation Report (Qedit)

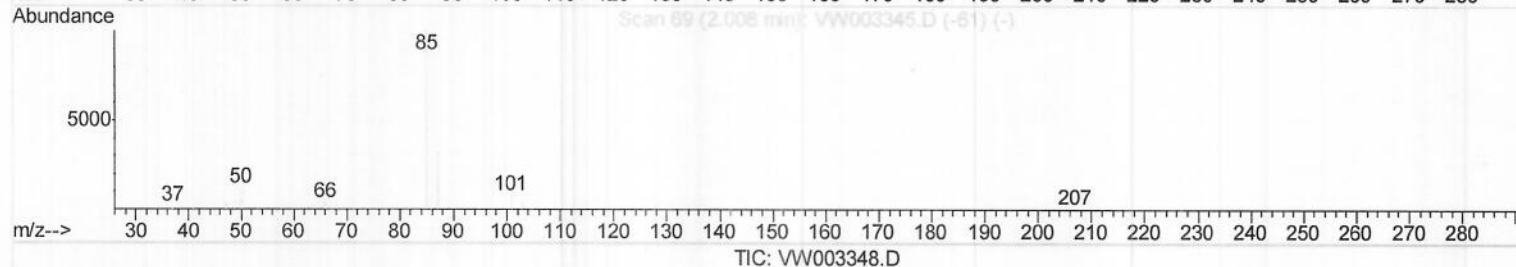
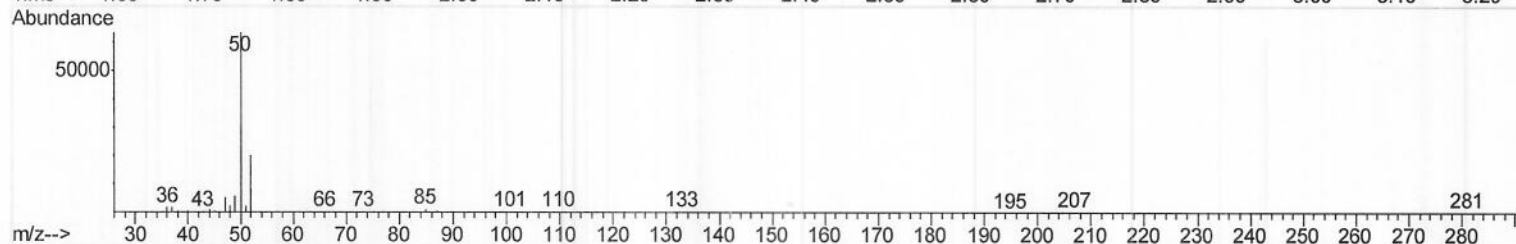
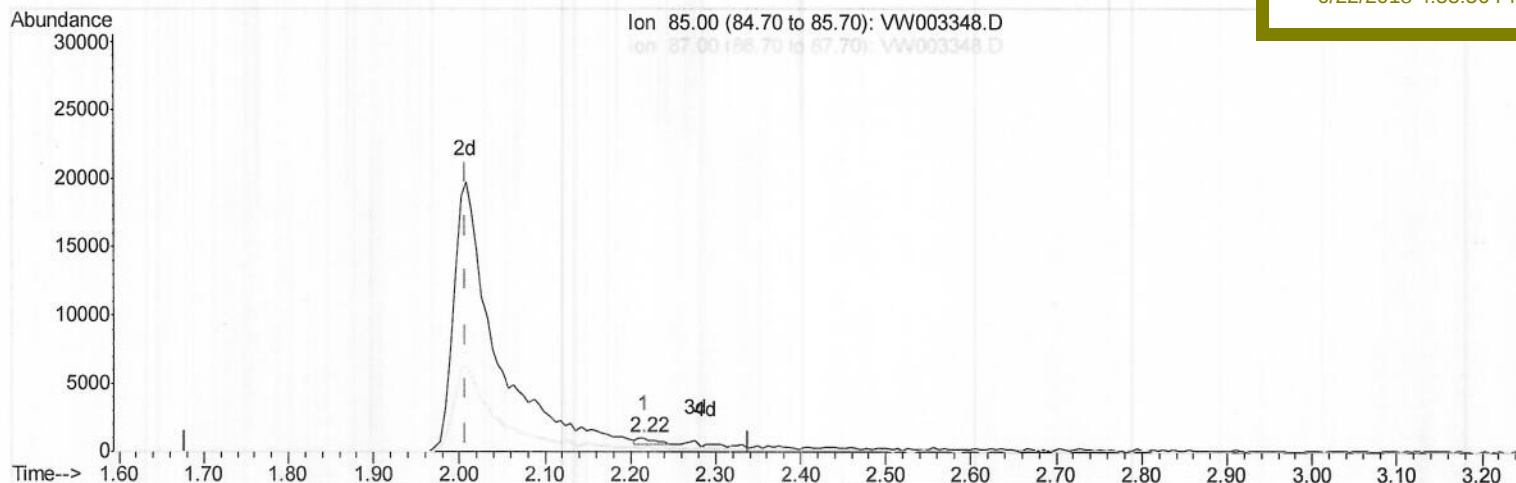
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(2) Dichlorodifluoromethane (T)

2.215min (+0.207) 0.32ug/L

response 692

Ion	Exp%	Act%
85.00	100	100
87.00	24.40	22.98
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

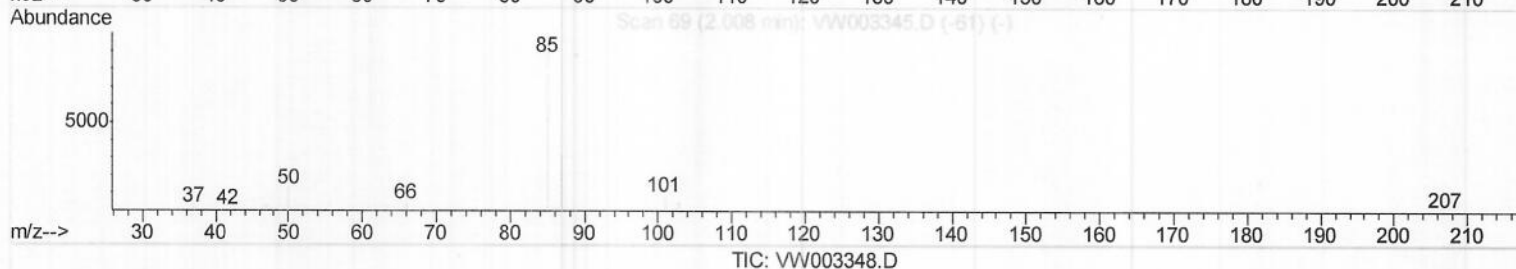
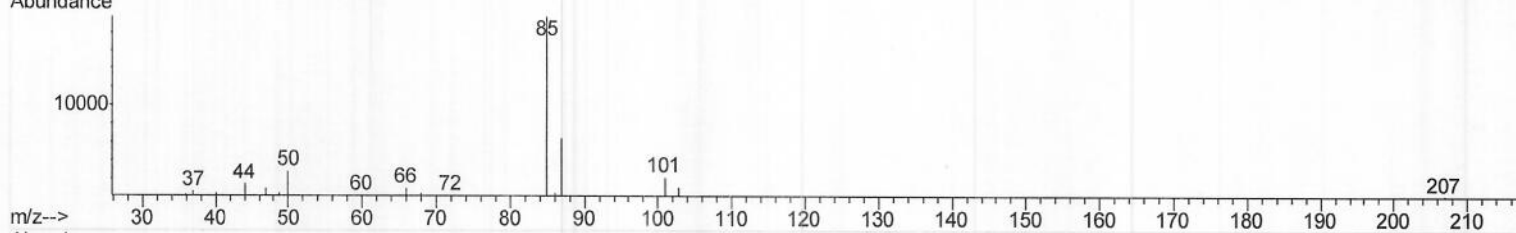
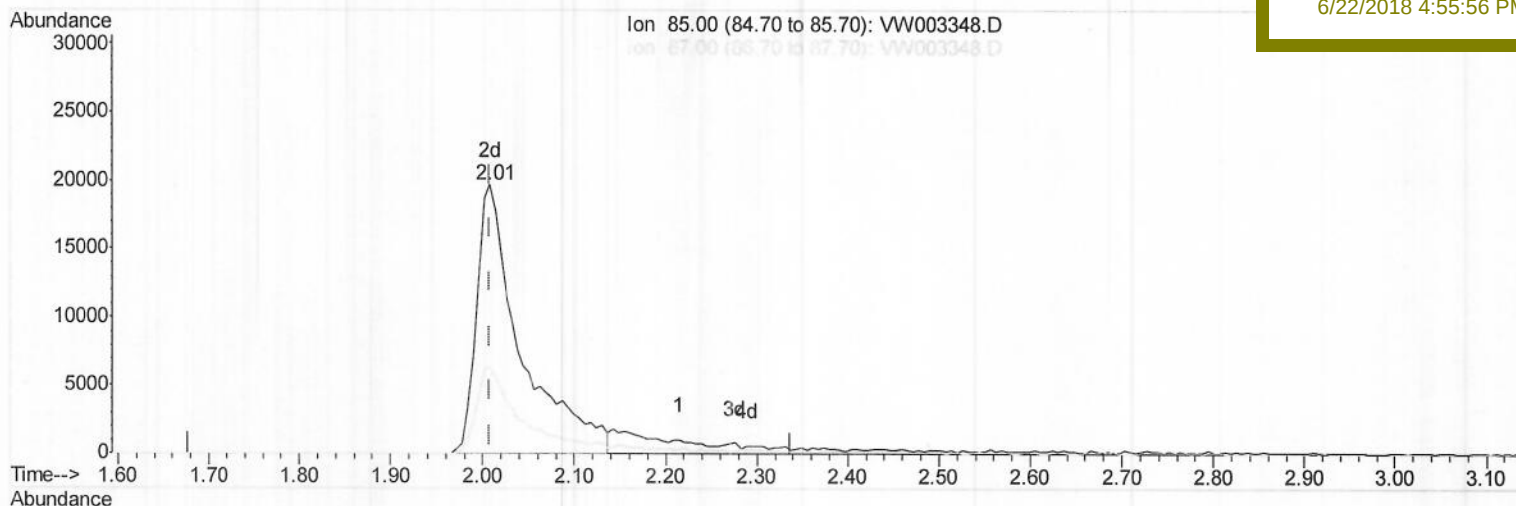
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 6/22/2018 4:55:56 PM



(2) Dichlorodifluoromethane (T)

2.008min (+0.000) 30.21ug/L m

response 65792

Ion	Exp%	Act%
85.00	100	100
87.00	24.40	0.24#
0.00	0.00	0.00
0.00	0.00	0.00

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 06/30/18

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 MSVOA_W
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Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	396440	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	375790	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	193276	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	147549	27.44	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	109.76%		
7) Chloroethane-d5	2.89	69	120340	26.83	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	107.32%		
10) 1,1-Dichloroethene-d2	4.01	63	274603	25.72	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	102.88%		
20) 2-Butanone-d5	7.09	46	90697	53.53	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	107.06%		
24) Chloroform-d	7.65	84	276639	26.53	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	106.12%		
26) 1,2-Dichloroethane-d4	8.31	65	166734	26.91	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	107.64%		
29) Benzene-d6	8.28	84	538403	27.00	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	108.00%		
33) 1,2-Dichloropropane-d6	9.28	67	167836	26.59	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	106.36%		
37) Toluene-d8	10.33	98	517430	27.14	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	108.56%		
38) trans-1,3-Dichloropropene-	10.58	79	80140	27.05	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	108.20%		
39) 2-Hexanone-d5	10.93	63	69854	54.15	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	108.30%		
48) 1,1,2,2-Tetrachloroethane-	12.70	84	154545	26.32	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	105.28%		
61) 1,2-Dichlorobenzene-d4	13.87	152	191119	26.18	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	104.72%		

Target Compounds

				Qvalue	
2) Dichlorodifluoromethane	2.01	85	65792m)	30.215	ug/L
3) Chloromethane	2.21	50	119237	25.491	ug/L
5) Vinyl chloride	2.36	62	160330	23.683	ug/L
6) Bromomethane	2.78	94	92617	23.513	ug/L
8) Chloroethane	2.93	64	96692	23.441	ug/L
9) Trichlorofluoromethane	3.26	101	87076	22.425	ug/L
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	118404	22.584	ug/L
12) 1,1-Dichloroethene	4.03	96	113703	22.945	ug/L
13) Acetone	4.15	43	89994	49.834	ug/L
14) Carbon disulfide	4.37	76	377823	23.632	ug/L
15) Methyl Acetate	4.68	43	69281	23.406	ug/L
16) Methylene chloride	4.91	84	123603	22.627	ug/L
17) Methyl tert-butyl Ether	5.42	73	227228	24.852	ug/L
18) trans-1,2-Dichloroethene	5.42	96	120742	23.384	ug/L
19) 1,1-Dichloroethane	6.21	63	224686	23.318	ug/L
21) 2-Butanone	7.19	43	101852	47.996	ug/L
22) cis-1,2-Dichloroethene	7.17	96	130462	23.775	ug/L

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	59087	23.276	ug/L	96
25) Chloroform	7.68	83	230515	23.269	ug/L	99
27) 1,2-Dichloroethane	8.40	62	172204	24.004	ug/L	100
30) Cyclohexane	7.95	56	206367	23.786	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	190311	23.051	ug/L	99
32) Carbon tetrachloride	8.07	117	183574	23.015	ug/L	99
34) Benzene	8.32	78	503255	23.485	ug/L	100
35) Trichloroethene	9.09	95	131883	22.834	ug/L	99
36) Methylcyclohexane	9.34	83	231218	23.450	ug/L	100
40) 1,2-Dichloropropane	9.37	63	132927	23.572	ug/L	99
41) Bromodichloromethane	9.65	83	171494	23.660	ug/L	99
42) cis-1,3-Dichloropropene	10.08	75	207611	24.668	ug/L	99
43) 4-Methyl-2-pentanone	10.22	43	191947	47.644	ug/L	99
44) Toluene	10.39	91	551185	23.717	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	185819	24.400	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	97919	23.259	ug/L	97
47) Tetrachloroethene	10.87	164	109322	22.524	ug/L	97
49) 2-Hexanone	10.98	43	152389	50.759	ug/L	100
50) Dibromochloromethane	11.13	129	121550	23.717	ug/L	96
51) 1,2-Dibromoethane	11.24	107	97463	23.297	ug/L	95
52) Chlorobenzene	11.66	112	350677	23.236	ug/L	99
53) Ethylbenzene	11.74	91	621513	23.842	ug/L	100
54) m,p-Xylene	11.85	106	232138	23.977	ug/L	94
55) o-xylene	12.17	106	221411	24.042	ug/L	98
56) Styrene	12.19	104	387475	24.370	ug/L	99
57) Isopropylbenzene	12.47	105	615578	24.092	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	130960	23.597	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	98700	23.206	ug/L	100
62) Bromoform	12.35	173	74530	22.913	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	276114	23.234	ug/L	100
64) 1,4-Dichlorobenzene	13.59	146	285875	22.945	ug/L	98
65) 1,2-Dichlorobenzene	13.88	146	264128	23.280	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	22497	22.594	ug/L	88
67) 1,3,5-Trichlorobenzene	14.64	180	217240	23.525	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	176184	23.436	ug/L	97
69) Naphthalene	15.38	128	348798	24.797	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	166927	24.228	ug/L	98

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