

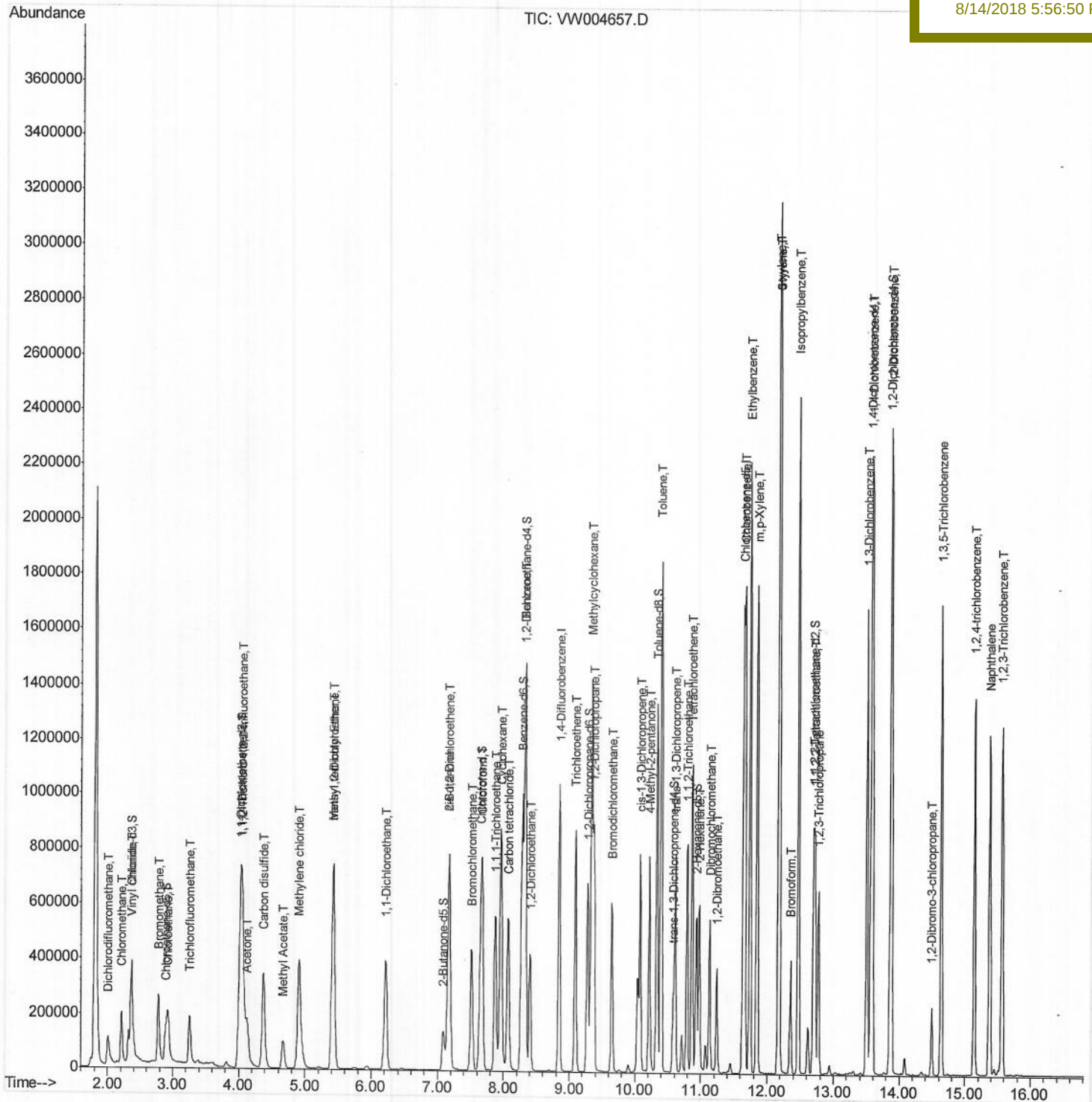
Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081418\
 Data File : VW004657.D
 Acq On : 13 Aug 2018 20:36
 Operator : SY/AP
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 14 02:34:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM080218S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 14 01:20:10 2018
 Response via : Initial Calibration

Instrument :
 MSVOA_W
 LabSampleId :
 VSTD02588

Manual Integrations
 APPROVED

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 8/14/2018 5:56:50 PM



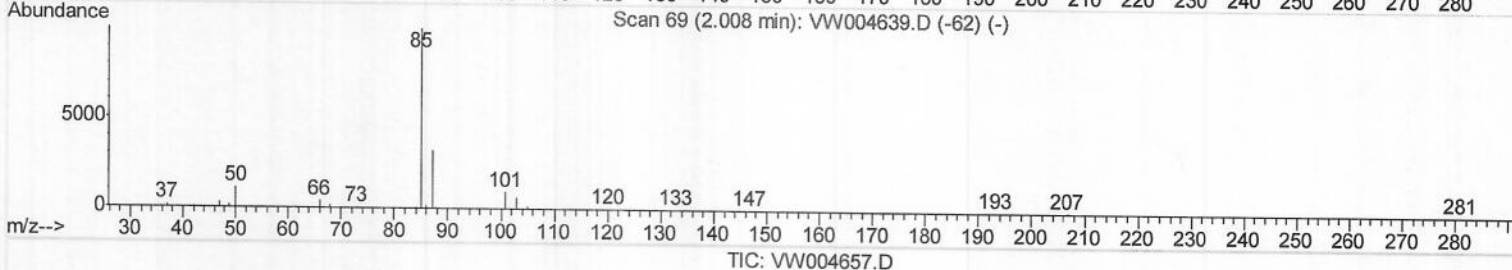
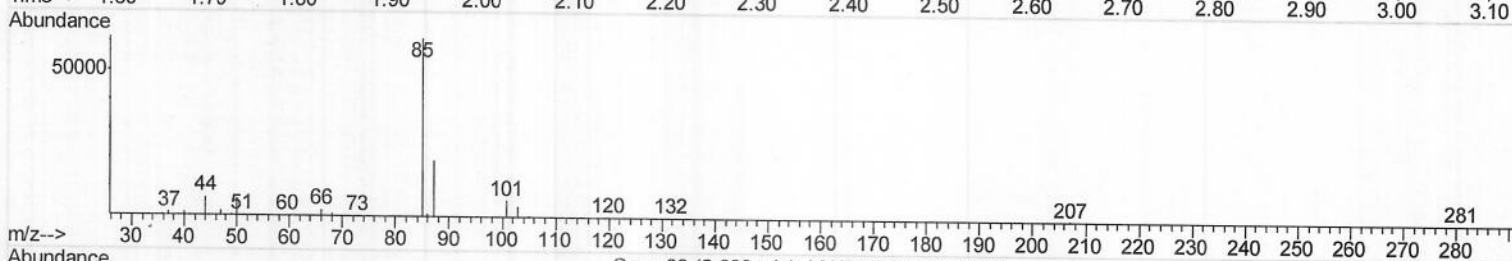
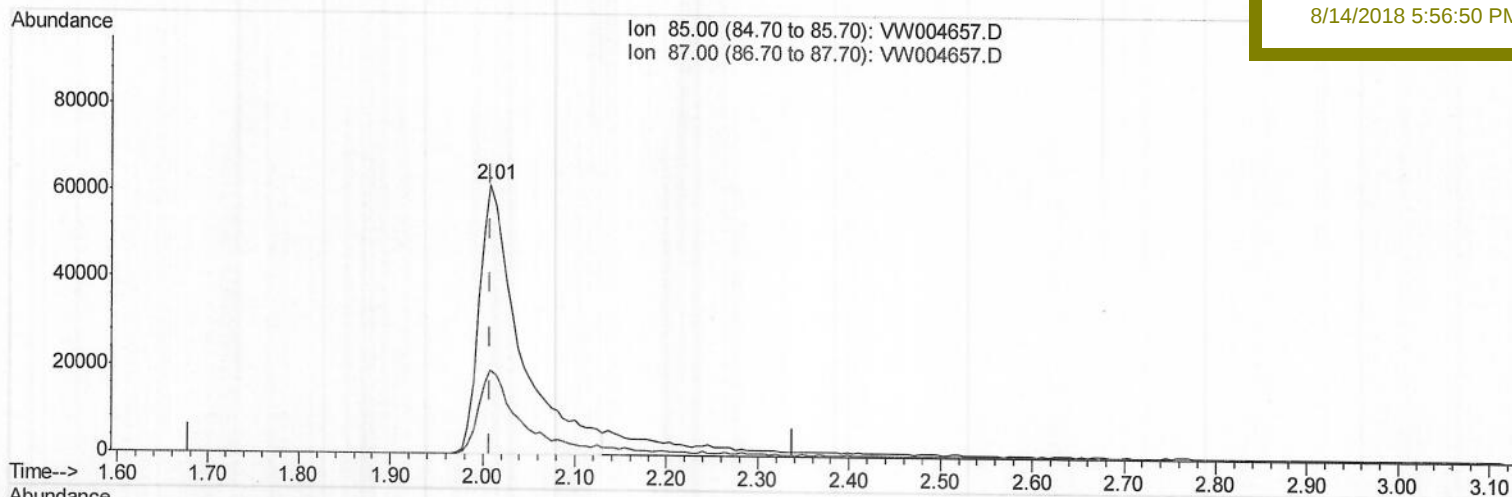
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(2) Dichlorodifluoromethane (T)

2.008min (-0.000) 20.50ug/L

response 190681

Ion	Exp%	Act%
85.00	100	100
87.00	28.80	27.99
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

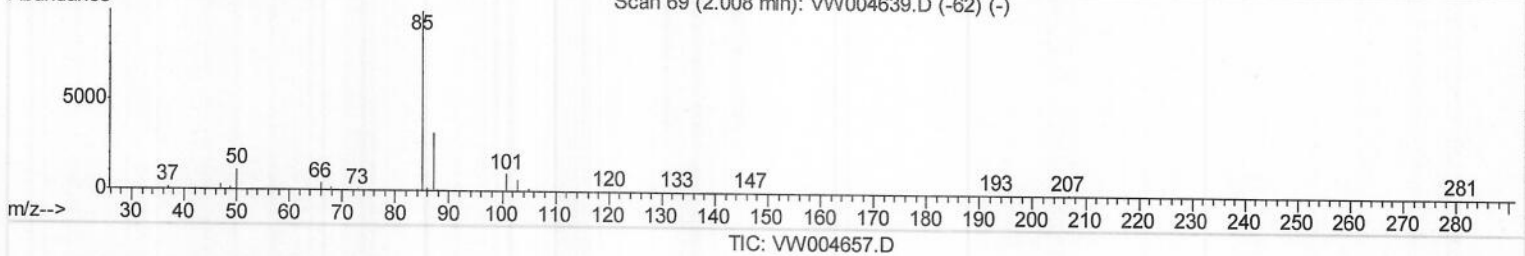
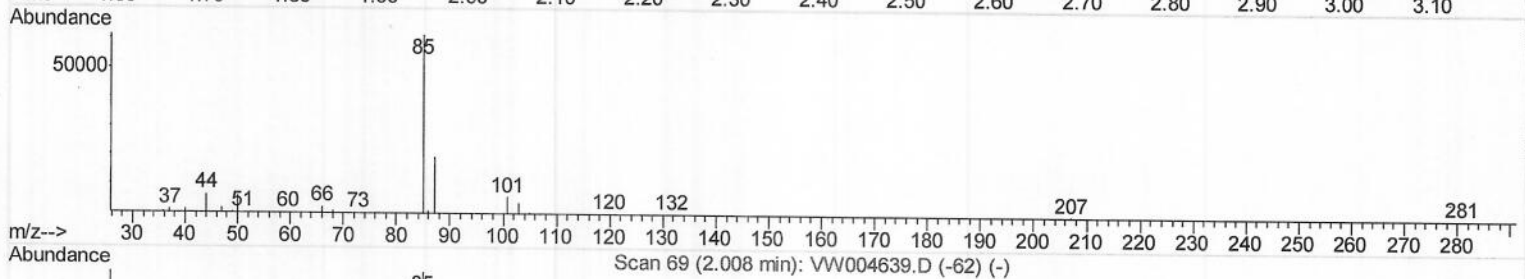
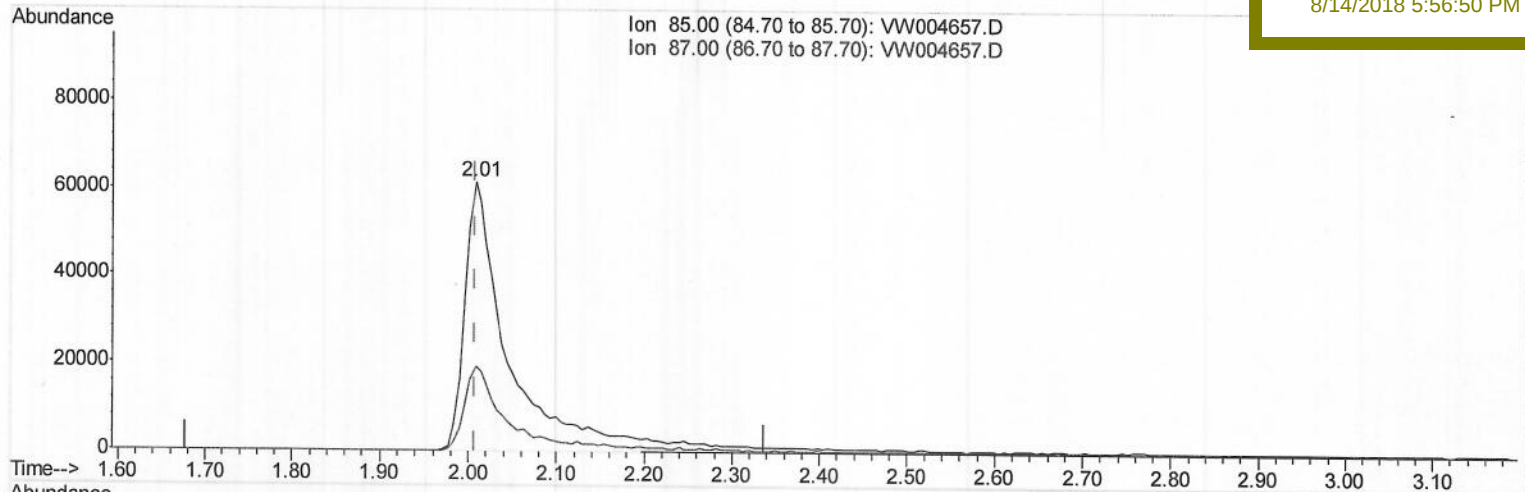
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(2) Dichlorodifluoromethane (T)

2.008min (-0.000) 22.17ug/L m) MD 08/18/18

response 206197

Ion	Exp%	Act%
85.00	100	100
87.00	28.80	25.88
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	894580	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	873603	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	456082	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	194050	17.44	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	69.76%		
7) Chloroethane-d5	2.89	69	191305	20.44	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	81.76%		
10) 1,1-Dichloroethene-d2	4.02	63	468223	20.72	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	82.88%		
20) 2-Butanone-d5	7.09	46	247976	50.54	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	101.08%		
24) Chloroform-d	7.65	84	557426	23.02	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	92.08%		
26) 1,2-Dichloroethane-d4	8.31	65	306418	22.69	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	90.76%		
29) Benzene-d6	8.27	84	1034874	22.27	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	89.08%		
33) 1,2-Dichloropropane-d6	9.28	67	349564	23.01	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	92.04%		
37) Toluene-d8	10.33	98	914609	22.32	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	89.28%		
38) trans-1,3-Dichloropropene-	10.58	79	140157	22.44	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	89.76%		
39) 2-Hexanone-d5	10.93	63	193307	52.28	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	104.56%		
48) 1,1,2,2-Tetrachloroethane-	12.70	84	403271	24.48	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	97.92%		
61) 1,2-Dichlorobenzene-d4	13.86	152	402718	23.51	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	94.04%		

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	206197m)	22.169 ug/L	
3) Chloromethane	2.21	50	227948	18.555 ug/L	100
5) Vinyl chloride	2.37	62	372434	23.232 ug/L	98
6) Bromomethane	2.78	94	211271	22.787 ug/L	98
8) Chloroethane	2.93	64	225181	23.413 ug/L	98
9) Trichlorofluoromethane	3.26	101	200316	27.394 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	309210	24.354 ug/L	97
12) 1,1-Dichloroethene	4.04	96	295740	23.842 ug/L	97
13) Acetone	4.14	43	206278	48.530 ug/L	100
14) Carbon disulfide	4.38	76	862728	22.675 ug/L	99
15) Methyl Acetate	4.67	43	199810	23.064 ug/L	99
16) Methylene chloride	4.91	84	373280	21.008 ug/L	97
17) Methyl tert-butyl Ether	5.43	73	432415	25.754 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	313324	24.700 ug/L	99
19) 1,1-Dichloroethane	6.21	63	591449	24.571 ug/L	99
21) 2-Butanone	7.18	43	262987	45.202 ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	354402	25.597 ug/L	98

MD0818118

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	161562	24.380	ug/L	95
25) Chloroform	7.68	83	601001	24.461	ug/L	99
27) 1,2-Dichloroethane	8.40	62	381594	23.118	ug/L	99
30) Cyclohexane	7.96	56	519161	25.128	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	467376	25.181	ug/L	99
32) Carbon tetrachloride	8.07	117	437332	24.449	ug/L	100
34) Benzene	8.33	78	1326113	24.620	ug/L	100
35) Trichloroethene	9.09	95	324619	23.961	ug/L	99
36) Methylcyclohexane	9.34	83	589039	24.767	ug/L	99
40) 1,2-Dichloropropane	9.37	63	349370	24.491	ug/L	99
41) Bromodichloromethane	9.65	83	408387	23.833	ug/L	98
42) cis-1,3-Dichloropropene	10.08	75	483040	24.753	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	507169	47.416	ug/L	100
44) Toluene	10.39	91	1376394	25.393	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	427592	24.376	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	269693	24.318	ug/L	99
47) Tetrachloroethene	10.87	164	265008	24.722	ug/L	99
49) 2-Hexanone	10.98	43	383577	47.721	ug/L	99
50) Dibromochloromethane	11.13	129	298949	24.300	ug/L	99
51) 1,2-Dibromoethane	11.24	107	258451	24.312	ug/L #	98
52) Chlorobenzene	11.66	112	907024	24.744	ug/L	99
53) Ethylbenzene	11.74	91	1554321	25.519	ug/L	99
54) m,p-Xylene	11.85	106	588240	25.886	ug/L	96
55) o-xylene	12.17	106	563608	26.175	ug/L	100
56) Styrene	12.19	104	1005644	26.803	ug/L	98
57) Isopropylbenzene	12.47	105	1569684	26.932	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	379328	23.566	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	283155	23.554	ug/L	99
62) Bromoform	12.35	173	192766	23.256	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	697339	24.572	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	739930	24.260	ug/L	98
65) 1,2-Dichlorobenzene	13.88	146	697709	24.537	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	62280	21.322	ug/L	95
67) 1,3,5-Trichlorobenzene	14.64	180	560905	24.932	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	465436	25.573	ug/L	99
69) Naphthalene	15.38	128	1046342	25.209	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	456425	25.751	ug/L	100

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