

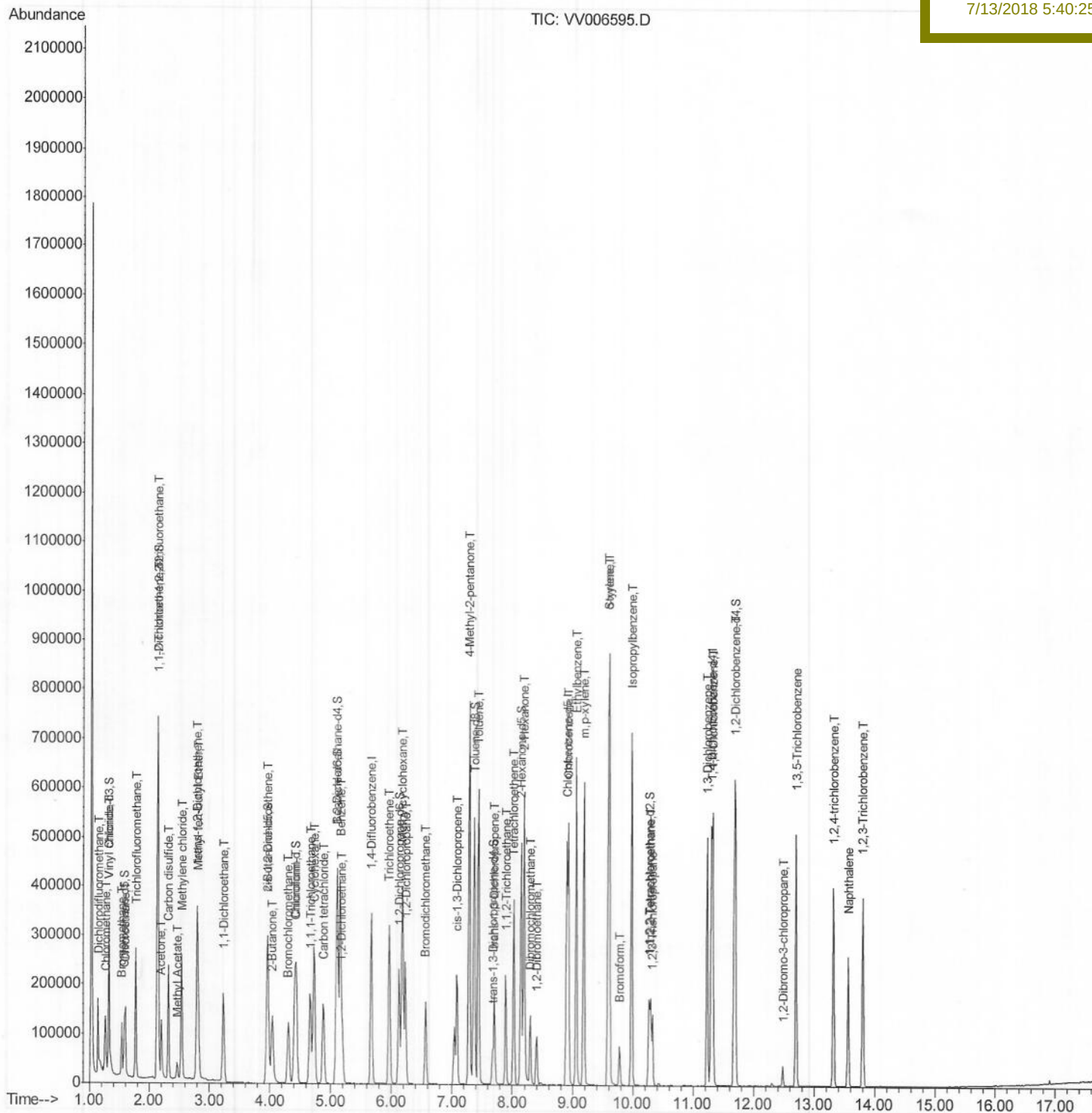
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV071218\
Data File : VV006595.D
Acq On : 12 Jul 2018 19:27
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25 mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 13 02:31:20 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR070718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jul 13 01:47:22 2018
Response via : Initial Calibration

Instrument :
MSVOA_V
LabSampleId :
VSTD00572

Manual Integrations APPROVED

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7/13/2018 5:40:25 PM



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV071218\

Data File : VV006595.D

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Operator : SY/MD

Sample : VSTDCCC005EC

Misc : 25 mL/MSVOA_V/WATER

ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 13 01:48:36 2018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR070718WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Fri Jul 13 01:47:22 2018

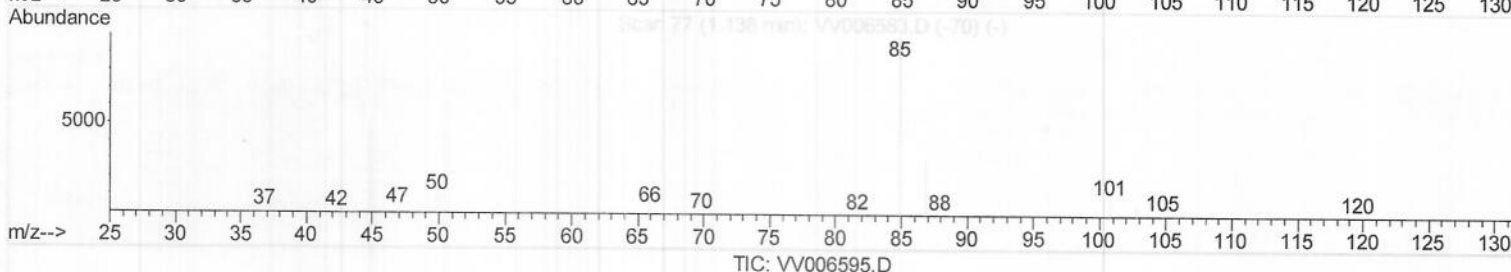
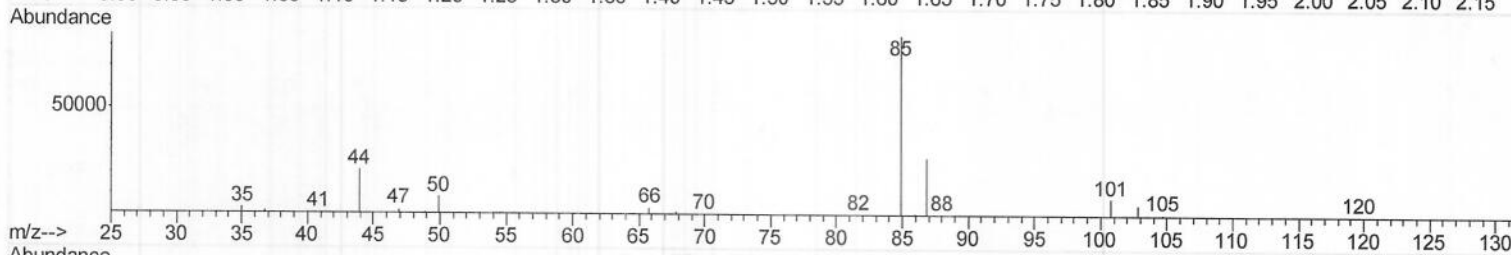
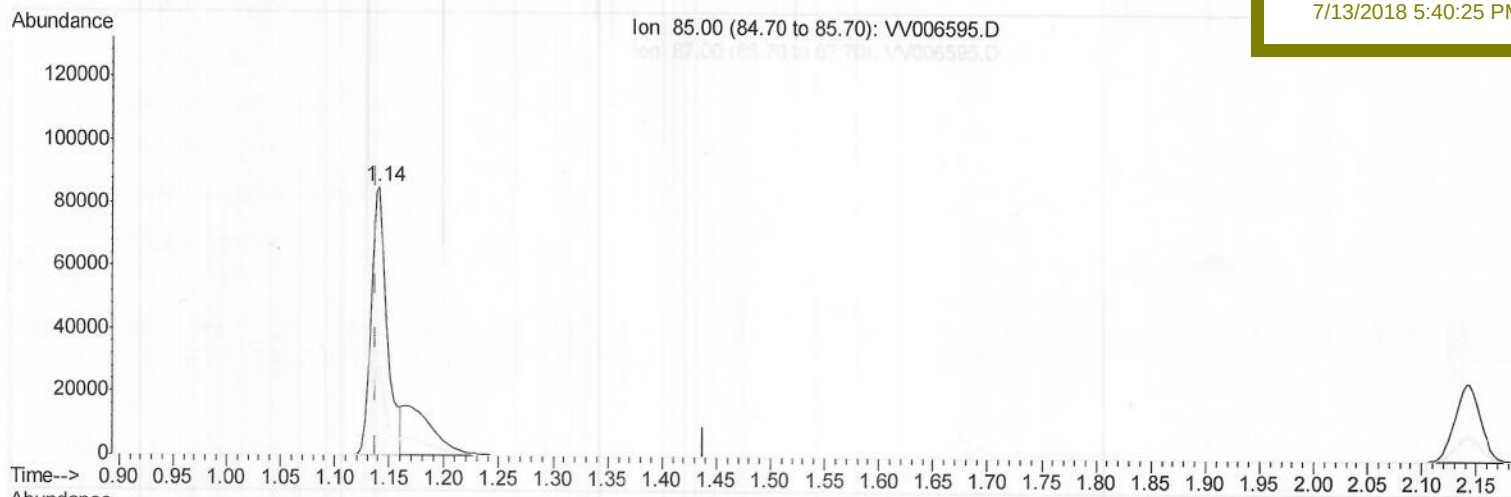
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(2) Dichlorodifluoromethane (T)

1.141min (+0.003) 3.55ug/L

response 86850

Ion	Exp%	Act%
85.00	100	100
87.00	32.10	32.00
0.00	0.00	0.00
0.00	0.00	0.00

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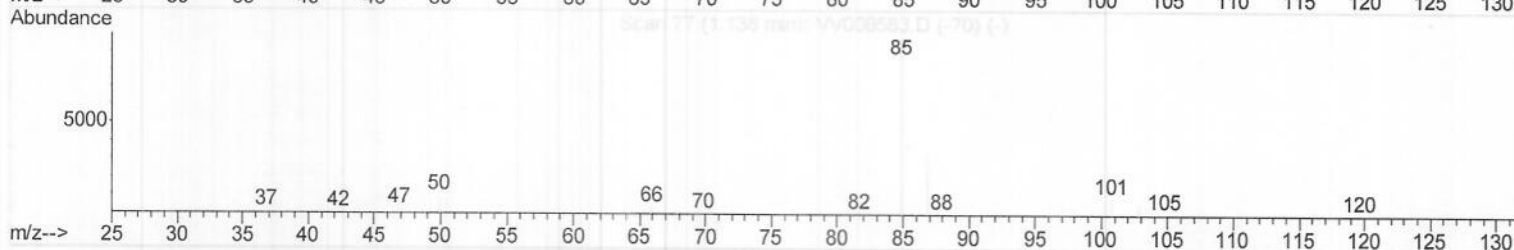
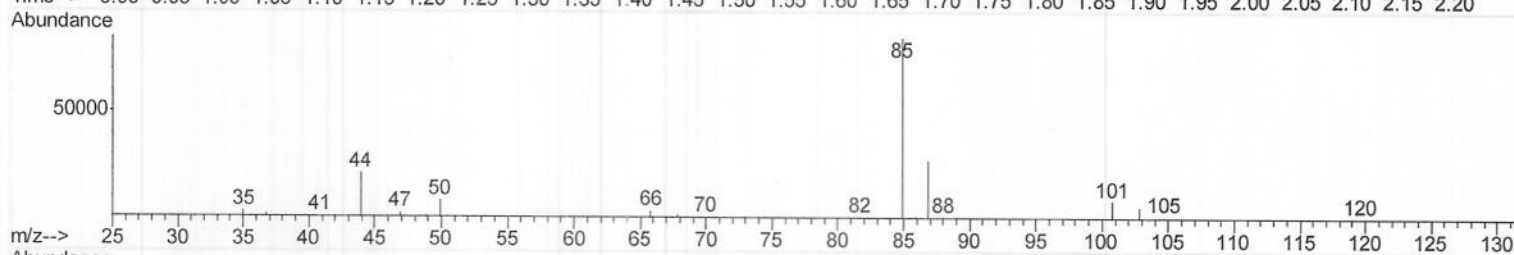
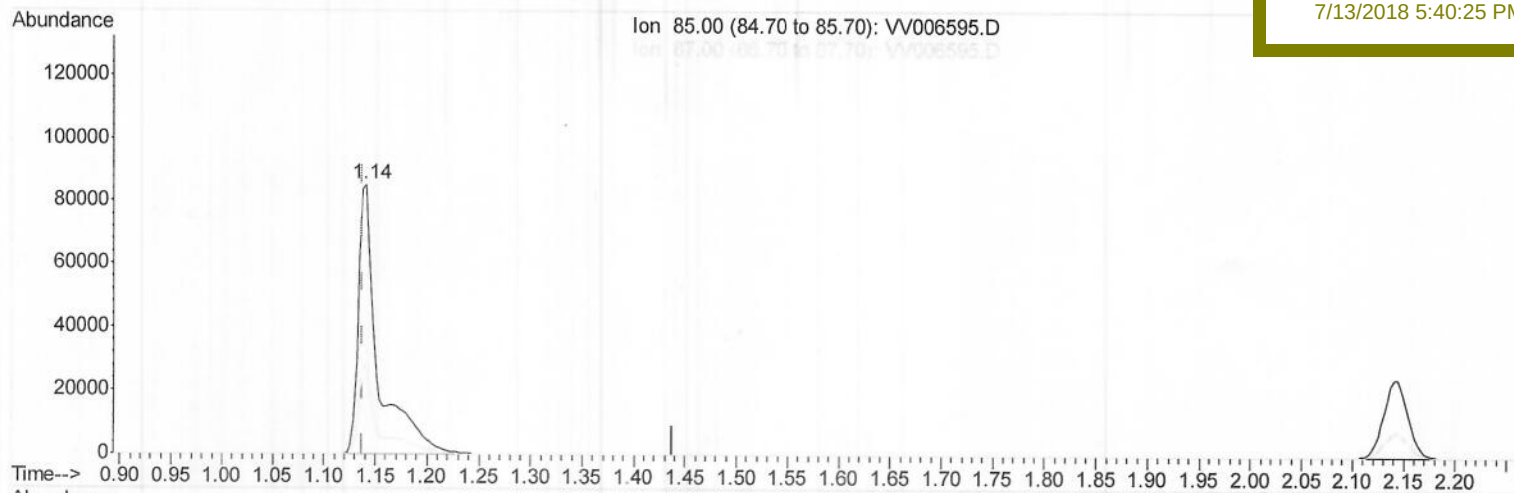
VSTD00572

Manual Integrations

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7/13/2018 5:40:25 PM



TIC: VV006595.D

(2) Dichlorodifluoromethane (T)

1.141min (+0.003) 4.76ug/L m) MD 07/18/18

response 116422

Ion	Exp%	Act%
85.00	100	100
87.00	32.10	23.87#
0.00	0.00	0.00
0.00	0.00	0.00

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Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	311679	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	282755	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	135703	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	114223	6.74	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery =	134.80%#		
7) Chloroethane-d5	1.58	69	78926	5.34	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery =	106.80%		
11) 1,1-Dichloroethene-d2	2.13	63	188951	5.99	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery =	119.80%		
20) 2-Butanone-d5	3.95	46	202076	46.95	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery =	93.90%		
24) Chloroform-d	4.41	84	186068	5.58	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	111.60%		
26) 1,2-Dichloroethane-d4	5.09	65	83737	5.41	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	108.20%		
32) Benzene-d6	5.10	84	398172	6.17	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	123.40%		
36) 1,2-Dichloropropane-d6	6.12	67	117284	5.61	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery =	112.20%		
41) Toluene-d8	7.37	98	373330	6.48	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	129.60%		
43) trans-1,3-Dichloropropene-	7.67	79	39261	5.53	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery =	110.60%		
46) 2-Hexanone-d5	8.14	63	179101	49.98	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery =	99.96%		
57) 1,1,2,2-Tetrachloroethane-	10.27	84	82673	5.02	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery =	100.40%		
64) 1,2-Dichlorobenzene-d4	11.68	152	129724	5.56	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery =	111.20%		

Target Compounds

				Qvalue	
2) Dichlorodifluoromethane	1.14	85	116422m)	4.763 ug/L	97
3) Chloromethane	1.26	50	127722	4.272 ug/L	97
5) Vinyl chloride	1.32	62	131385	4.735 ug/L	100
6) Bromomethane	1.53	94	45253	3.519 ug/L	100
8) Chloroethane	1.60	64	77877	4.624 ug/L	98
9) Trichlorofluoromethane	1.77	101	154963	4.963 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	99944	5.182 ug/L	99
12) 1,1-Dichloroethene	2.14	96	95494	4.893 ug/L	97
13) Acetone	2.20	43	118470	43.520 ug/L	98
14) Carbon disulfide	2.32	76	254713	4.364 ug/L	100
15) Methyl Acetate	2.47	43	35539	4.435 ug/L	98
16) Methylene chloride	2.54	84	107665	4.893 ug/L	99
17) Methyl tert-butyl Ether	2.81	73	223901	4.844 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	104860	4.925 ug/L	96
19) 1,1-Dichloroethane	3.23	63	182108	4.929 ug/L	99
21) 2-Butanone	4.04	43	205430	45.994 ug/L	97
22) cis-1,2-Dichloroethene	3.97	96	113070	4.943 ug/L	99

) MPO7/18/18

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Quantitation Report (QT Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	46164	4.927	ug/L	98
25) Chloroform	4.44	83	181845	4.948	ug/L	99
27) 1,2-Dichloroethane	5.19	62	99557	4.770	ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	147344	4.974	ug/L	99
30) Cyclohexane	4.73	56	152413	4.835	ug/L	98
31) Carbon tetrachloride	4.88	117	121607	4.907	ug/L	97
33) Benzene	5.15	78	427150	5.061	ug/L	100
34) Trichloroethene	5.96	95	111048	5.130	ug/L	98
35) Methylcyclohexane	6.18	83	175815	5.044	ug/L	97
37) 1,2-Dichloropropane	6.23	63	102913	4.986	ug/L	99
38) Bromodichloromethane	6.56	83	111194	4.777	ug/L	100
39) cis-1,3-Dichloropropene	7.08	75	136872	4.940	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	488265	46.667	ug/L	98
42) Toluene	7.44	91	444439	5.063	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	104927	4.906	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	71827	4.973	ug/L	99
47) Tetrachloroethene	8.02	164	90602	5.090	ug/L	98
48) 2-Hexanone	8.19	43	342035	46.104	ug/L	98
49) Dibromochloromethane	8.30	129	72265	4.798	ug/L	97
50) 1,2-Dibromoethane	8.40	107	64877	4.934	ug/L	99
51) Chlorobenzene	8.93	112	291139	5.070	ug/L	99
52) Ethylbenzene	9.06	91	470095	5.040	ug/L	99
53) m,p-xylene	9.19	106	183999	5.121	ug/L	99
54) o-xylene	9.59	106	180422	5.130	ug/L	100
55) Styrene	9.61	104	306943	5.190	ug/L	99
56) Isopropylbenzene	9.98	105	465924	5.165	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	81282	4.770	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	59586	4.851	ug/L	99
61) Bromoform	9.78	173	35822	4.608	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	214099	5.002	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	217858	5.007	ug/L	99
65) 1,2-Dichlorobenzene	11.70	146	206711	5.000	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	9611	4.350	ug/L	100
67) 1,3,5-Trichlorobenzene	12.70	180	172154	5.077	ug/L	100
68) 1,2,4-trichlorobenzene	13.32	180	133192	4.937	ug/L	100
69) Naphthalene	13.56	128	212001	4.628	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	124631	4.928	ug/L	99

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