

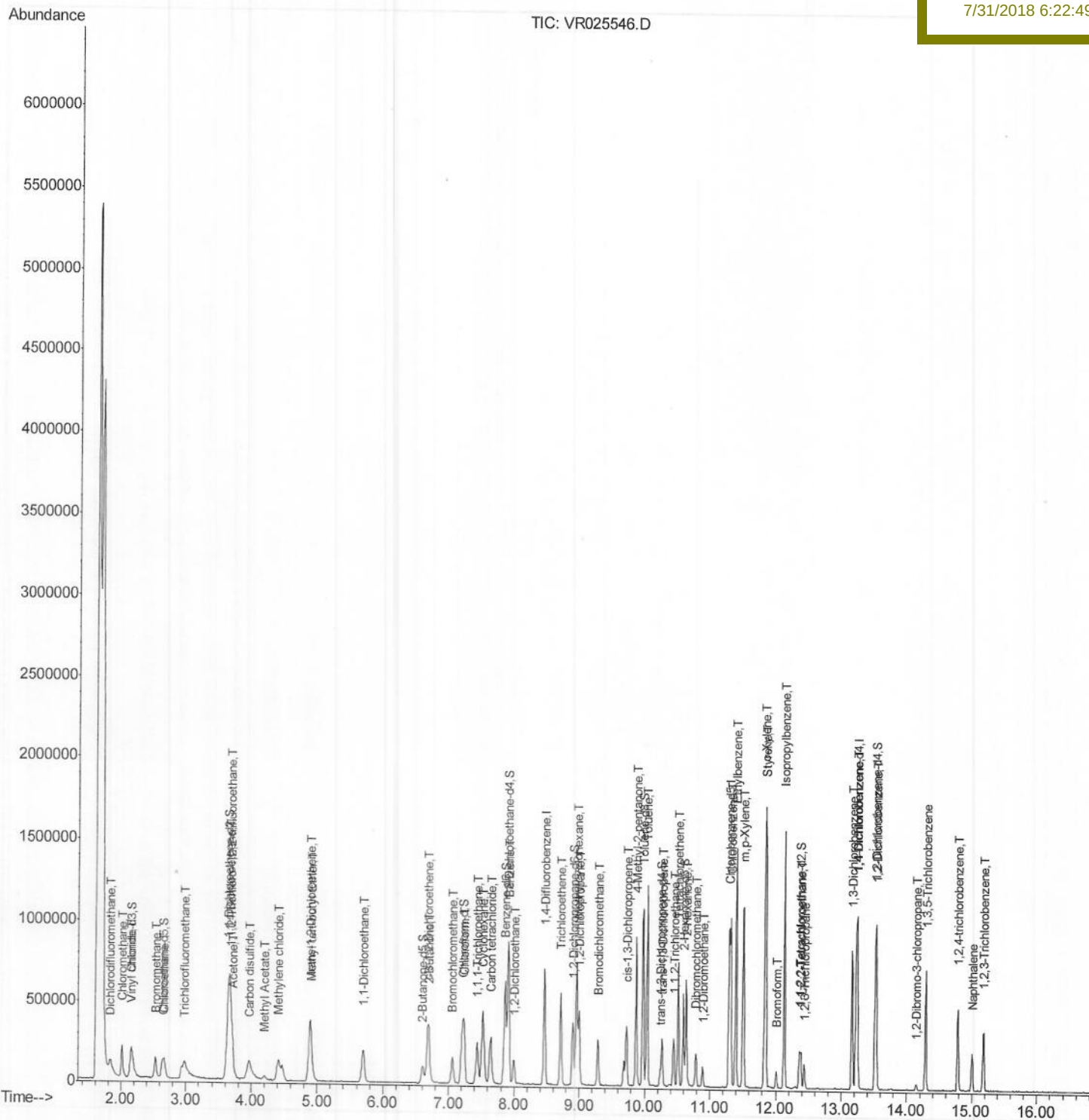
Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR073018\
Data File : VR025546.D
Acq On : 30 Jul 2018 18:54
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25mL/MSVOA R/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 31 08:45:57 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR073018WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jul 30 16:58:41 2018
Response via : Initial Calibration

Instrument :
MSVOA_R
Lab Sample ID :
VSTD00587

Manual Integrations
APPROVED

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7/31/2018 6:22:49 PM



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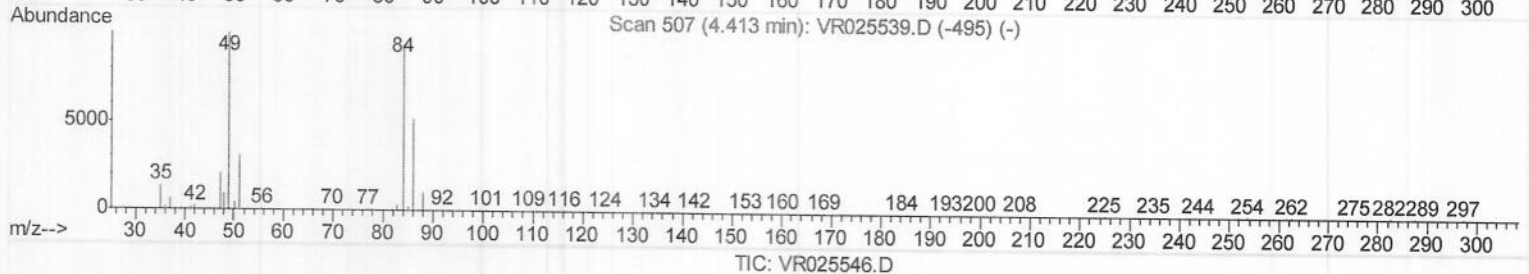
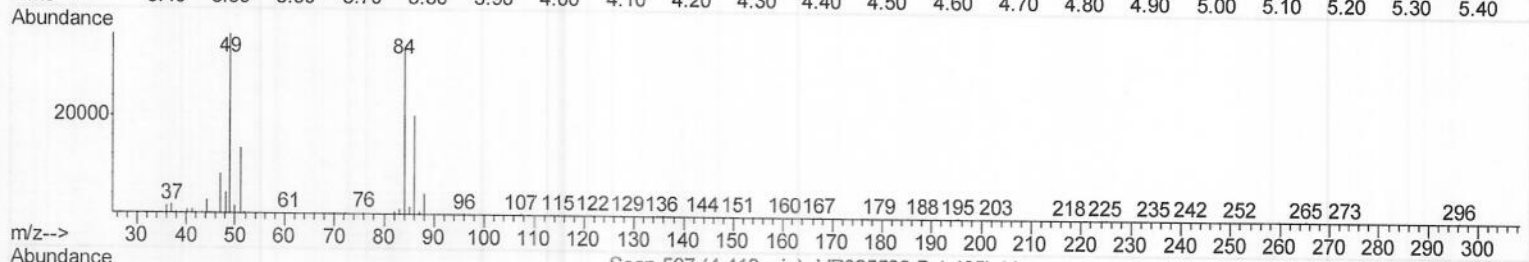
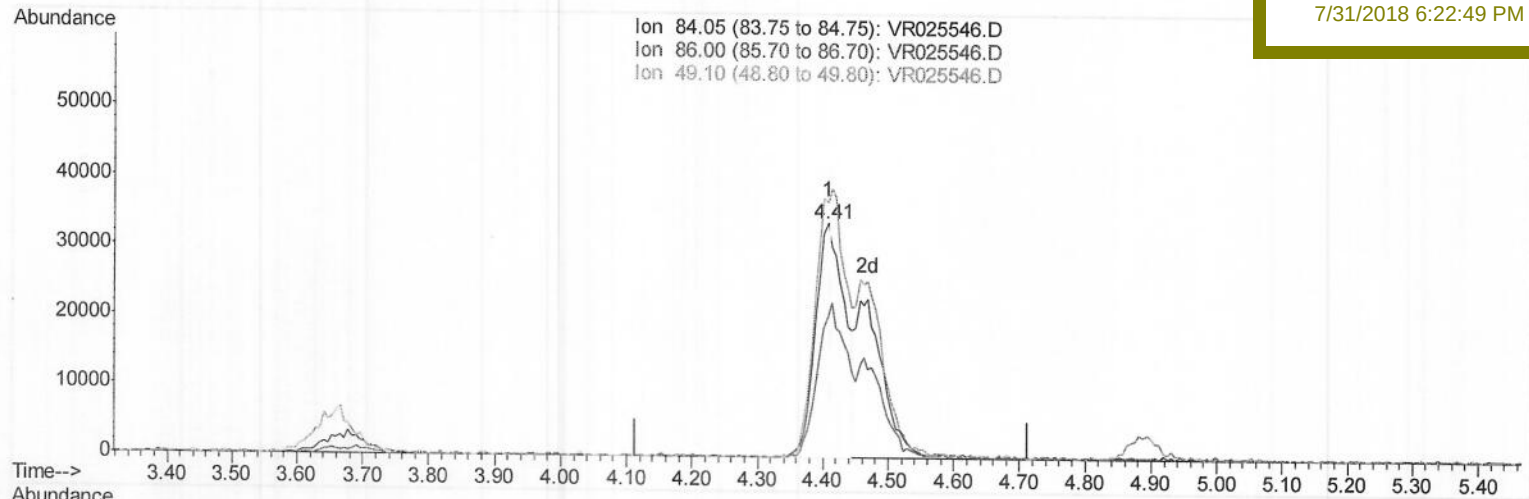
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TIC: VR025546.D

(16) Methylene chloride (T)

4.407min (-0.006) 2.97ug/L

response 103479

Ion	Exp%	Act%
84.05	100	100
86.00	57.70	60.26
49.10	108.80	109.15
0.00	0.00	0.00

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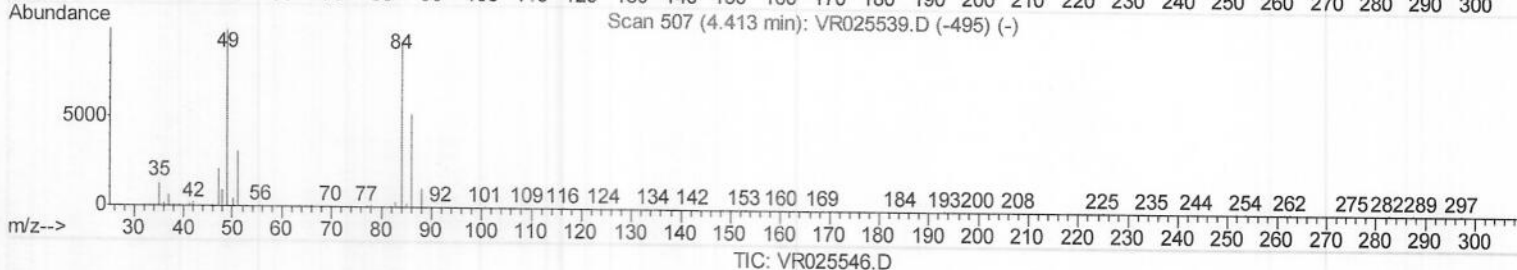
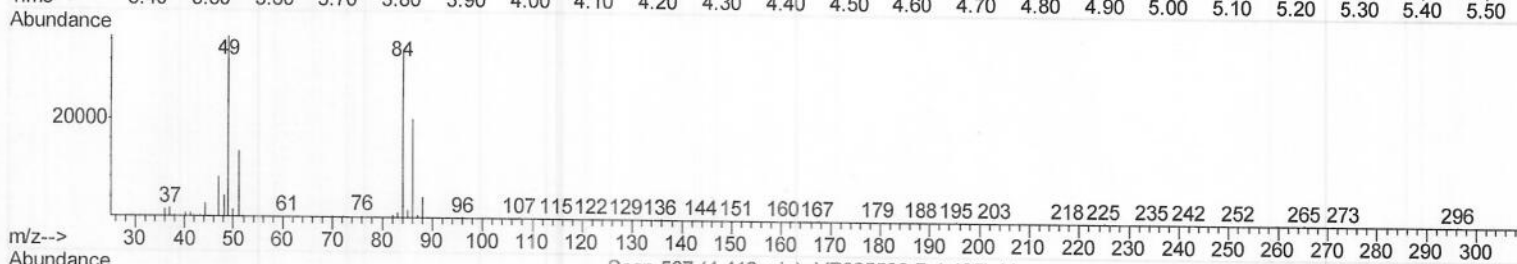
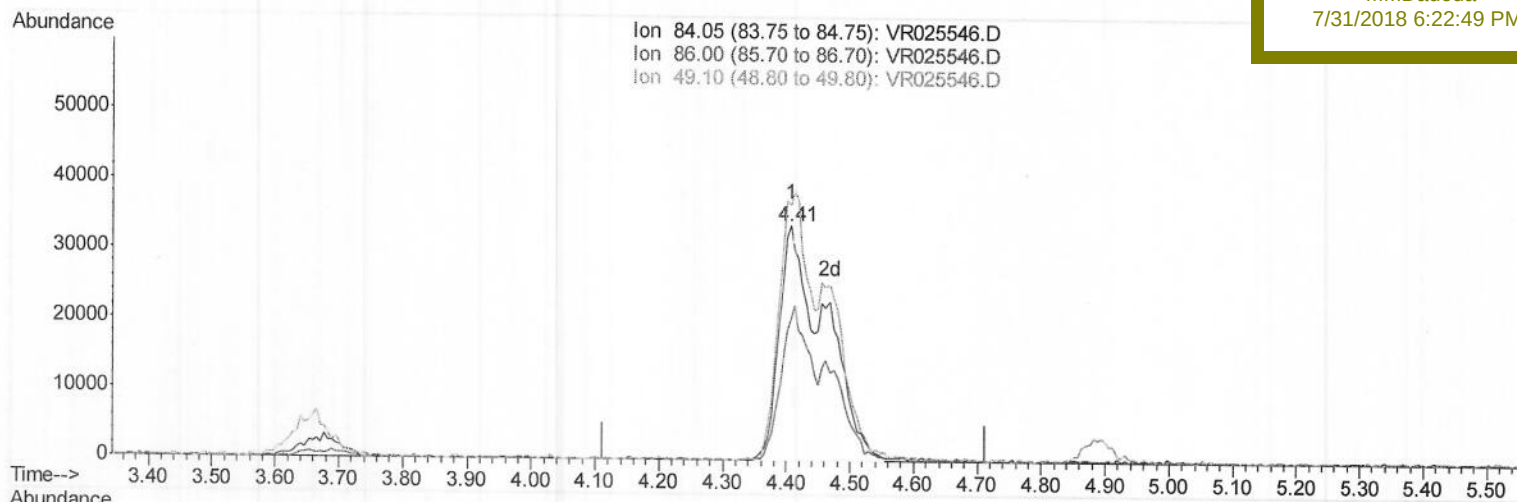
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Manual Integrations
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7/31/2018 6:22:49 PM

(16) Methylene chloride (T)

4.407min (-0.006) 4.88ug/L m) MD 08/07/18

response 169958

Ion	Exp%	Act%
84.05	100	100
86.00	57.70	60.26
49.10	108.80	109.15
0.00	0.00	0.00

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	576999	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	512718	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	224593	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	181985	5.09	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery =	101.80%		
7) Chloroethane-d5	2.64	69	134317	4.77	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery =	95.40%		
11) 1,1-Dichloroethene-d2	3.64	63	428754	5.19	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery =	103.80%		
20) 2-Butanone-d5	6.60	46	181863	61.54	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery =	123.08%		
24) Chloroform-d	7.21	84	303962	5.11	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	102.20%		
26) 1,2-Dichloroethane-d4	7.90	65	108515	5.38	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	107.60%		
32) Benzene-d6	7.86	84	686676	4.99	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	99.80%		
36) 1,2-Dichloropropane-d6	8.90	67	181659	5.03	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery =	100.60%		
41) Toluene-d8	9.97	98	677222	5.00	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	100.00%		
43) trans-1,3-Dichloropropene-	10.24	79	45820	4.96	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery =	99.20%		
46) 2-Hexanone-d5	10.59	63	182829	61.96	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery =	123.92%		
57) 1,1,2,2-Tetrachloroethane-	12.36	84	92391	5.66	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery =	113.20%		
64) 1,2-Dichlorobenzene-d4	13.51	152	177694	5.18	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery =	103.60%		

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	180718	5.471 ug/L	100
3) Chloromethane	2.01	50	225582	5.170 ug/L	97
5) Vinyl chloride	2.16	62	231440	5.309 ug/L	95
6) Bromomethane	2.53	94	111823	4.664 ug/L	95
8) Chloroethane	2.67	64	116997	4.832 ug/L	98
9) Trichlorofluoromethane	2.98	101	333969	5.607 ug/L	# 44
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	214836	5.583 ug/L	98
12) 1,1-Dichloroethene	3.66	96	216996	5.265 ug/L	95
13) Acetone	3.71	43	164692	66.303 ug/L	98
14) Carbon disulfide	3.97	76	476779	4.994 ug/L	99
15) Methyl Acetate	4.19	43	43991	5.609 ug/L	99
16) Methylene chloride	4.41	84	169958m)	4.883 ug/L	99
17) Methyl tert-butyl Ether	4.91	73	216465	5.232 ug/L	100
18) trans-1,2-Dichloroethene	4.89	96	201233	5.098 ug/L	98
19) 1,1-Dichloroethane	5.70	63	293102	5.075 ug/L	98
21) 2-Butanone	6.70	43	213072	61.743 ug/L	98
22) cis-1,2-Dichloroethene	6.68	96	195783	5.431 ug/L	# 91

) M08/07/18

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.06	128	64010	5.352	ug/L	92
25) Chloroform	7.24	83	291991	5.106	ug/L	100
27) 1,2-Dichloroethane	8.00	62	120783	5.301	ug/L #	93
29) 1,1,1-Trichloroethane	7.43	97	208755	4.597	ug/L	99
30) Cyclohexane	7.52	56	278964	5.333	ug/L	99
31) Carbon tetrachloride	7.64	117	220926	4.714	ug/L	98
33) Benzene	7.91	78	785484	4.959	ug/L	100
34) Trichloroethene	8.71	95	183775	4.665	ug/L	95
35) Methylcyclohexane	8.96	83	327568	5.530	ug/L	99
37) 1,2-Dichloropropane	9.00	63	169054	5.070	ug/L	100
38) Bromodichloromethane	9.29	83	170708	5.012	ug/L	99
39) cis-1,3-Dichloropropene	9.72	75	193561	5.258	ug/L	94
40) 4-Methyl-2-pentanone	9.87	43	556877	59.270	ug/L	99
42) Toluene	10.03	91	864965	5.128	ug/L	100
44) trans-1,3-Dichloropropene	10.27	75	135182	5.260	ug/L	100
45) 1,1,2-Trichloroethane	10.45	97	89875	5.412	ug/L	97
47) Tetrachloroethene	10.52	164	167886	4.981	ug/L	98
48) 2-Hexanone	10.64	43	393377	62.084	ug/L	96
49) Dibromochloromethane	10.79	129	100448	5.128	ug/L	95
50) 1,2-Dibromoethane	10.89	107	73535	5.308	ug/L	94
51) Chlorobenzene	11.31	112	510411	5.004	ug/L	97
52) Ethylbenzene	11.39	91	938024	5.114	ug/L	99
53) m,p-Xylene	11.51	106	368564	5.194	ug/L	97
54) o-Xylene	11.83	106	337920	5.187	ug/L	97
55) Styrene	11.85	104	554029	5.338	ug/L	96
56) Isopropylbenzene	12.13	105	900454	5.255	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.39	83	88533	5.626	ug/L	92
59) 1,2,3-Trichloropropane	12.44	75	56690	5.393	ug/L	96
61) Bromoform	12.01	173	43687	4.883	ug/L	100
62) 1,3-Dichlorobenzene	13.16	146	325342	5.009	ug/L	99
63) 1,4-Dichlorobenzene	13.24	146	361160	5.123	ug/L	97
65) 1,2-Dichlorobenzene	13.53	146	285153	5.110	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.15	75	8156	4.724	ug/L #	80
67) 1,3,5-Trichlorobenzene	14.29	180	214502	4.859	ug/L	100
68) 1,2,4-trichlorobenzene	14.79	180	138058	4.867	ug/L	98
69) Naphthalene	15.00	128	169130	5.219	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	112056	5.137	ug/L	99

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