

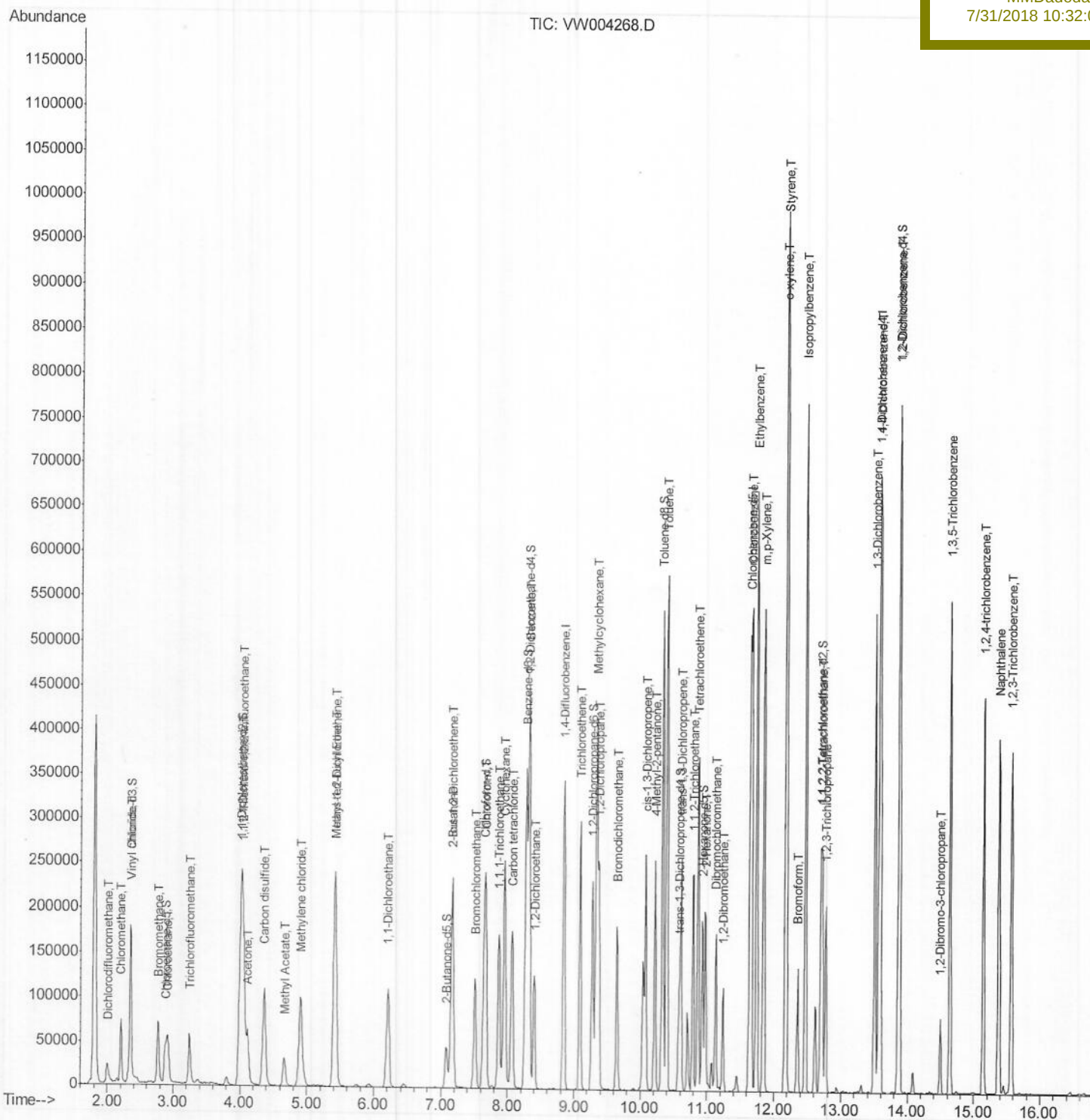
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW072918\
Data File : VW004268.D
Acq On : 27 Jul 2018 12:47
Operator : SY/AP
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 27 23:44:56 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072618S.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 27 23:17:19 2018
Response via : Initial Calibration

Instrument :
MSVOA_W
LabSampleId :
VSTD02593

Manual Integrations
APPROVED

MMDadoda
7/31/2018 10:32:04 AM



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Quant Time: Jul 27 23:43:05 2018

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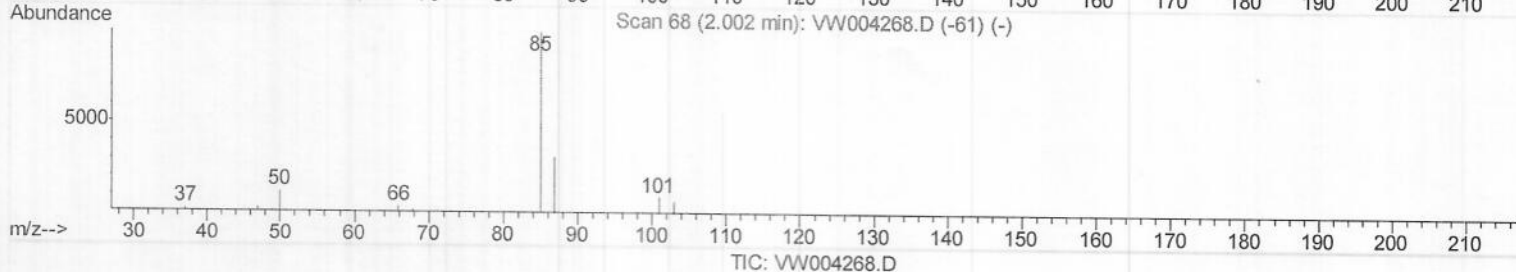
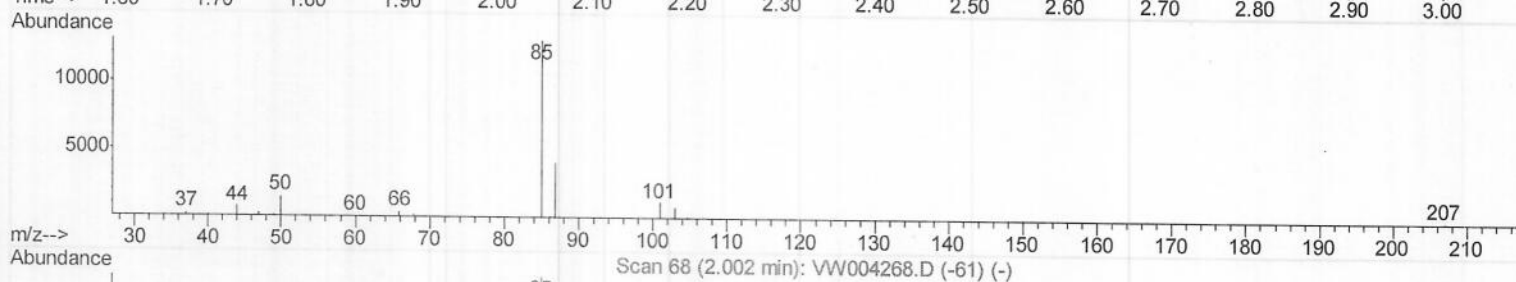
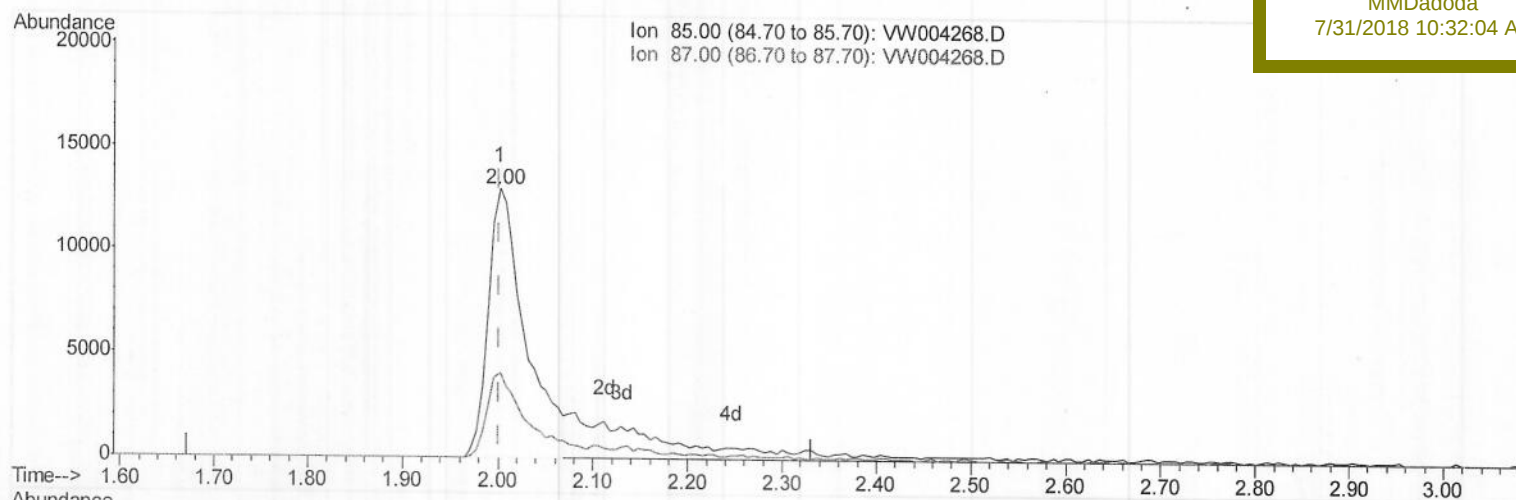
VSTD02593

Manual Integrations

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(2) Dichlorodifluoromethane (T)

2.002min (0.000) 17.65ug/L

response 35195

Ion	Exp%	Act%
85.00	100	100
87.00	32.50	34.71
0.00	0.00	0.00
0.00	0.00	0.00

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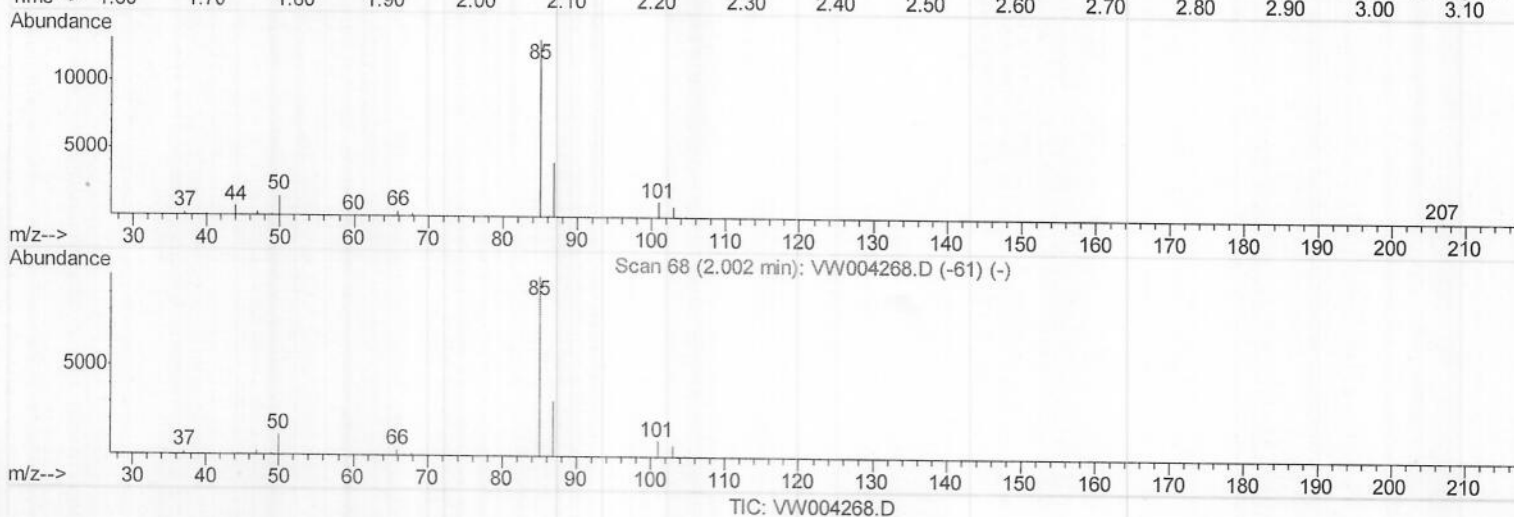
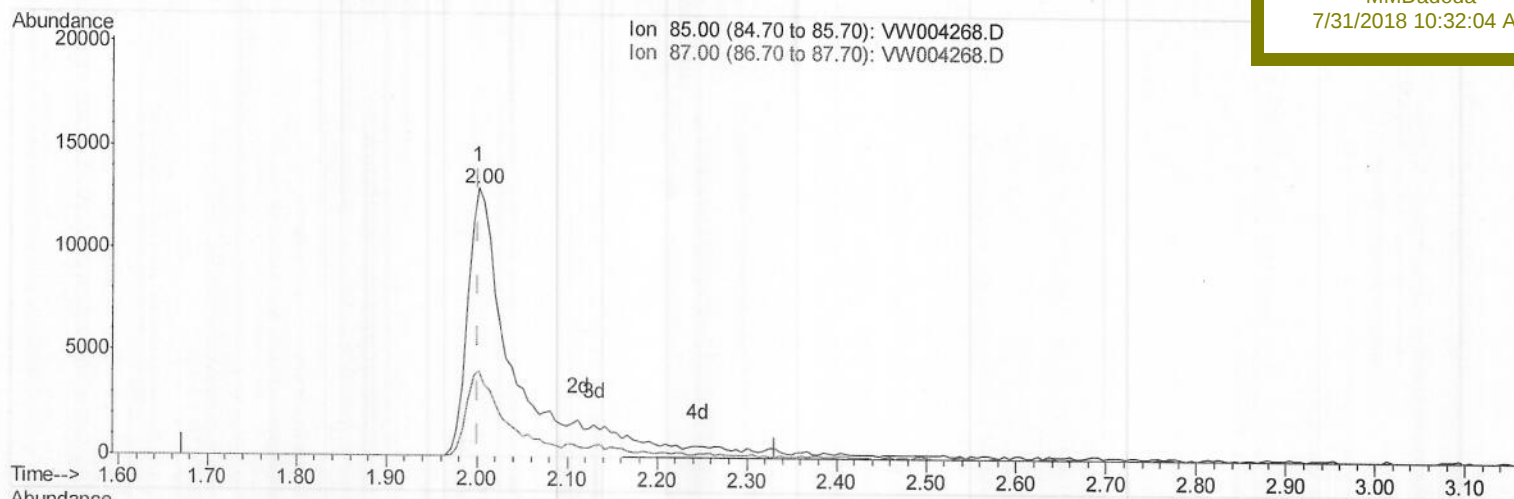
VSTD02593

Manual Integrations

APPROVED

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7/31/2018 10:32:04 AM



(2) Dichlorodifluoromethane (T)

2.002min (0.000) 21.77ug/L m

) M007/31/18

response 43420

Ion	Exp%	Act%
85.00	100	100
87.00	32.50	28.13
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	8.84	114	299798	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	269809	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	146102	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.34	65	89507	29.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	118.60%
7) Chloroethane-d5	2.88	69	62903	28.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	114.64%
10) 1,1-Dichloroethene-d2	4.01	63	174419	24.21	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.84%
20) 2-Butanone-d5	7.08	46	77785	45.52	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.04%
24) Chloroform-d	7.65	84	187142	24.38	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.52%
26) 1,2-Dichloroethane-d4	8.31	65	110868	24.01	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.04%
29) Benzene-d6	8.27	84	373044	26.09	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	104.36%
33) 1,2-Dichloropropane-d6	9.27	67	111406	23.42	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.68%
37) Toluene-d8	10.32	98	370107	27.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	109.52%
38) trans-1,3-Dichloropropene-	10.58	79	57072	26.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	105.76%
39) 2-Hexanone-d5	10.93	63	65624	52.51	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.02%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	117369	24.17	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.68%
61) 1,2-Dichlorobenzene-d4	13.86	152	145116	26.57	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	106.28%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	43420m	21.773	ug/L	98
3) Chloromethane	2.20	50	72452	25.736	ug/L	98
5) Vinyl chloride	2.36	62	113523	30.221	ug/L	94
6) Bromomethane	2.77	94	60452	28.725	ug/L	98
8) Chloroethane	2.92	64	58092	28.777	ug/L	98
9) Trichlorofluoromethane	3.25	101	58808	32.348	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.04	101	91442	25.528	ug/L	97
12) 1,1-Dichloroethene	4.03	96	90256	26.032	ug/L	80
13) Acetone	4.12	43	78297	45.383	ug/L	97
14) Carbon disulfide	4.37	76	274579	24.597	ug/L	98
15) Methyl Acetate	4.67	43	60633	21.127	ug/L	95
16) Methylene chloride	4.90	84	95470	22.713	ug/L	91
17) Methyl tert-butyl Ether	5.43	73	182316	26.489	ug/L	# 85
18) trans-1,2-Dichloroethene	5.41	96	95362	26.115	ug/L	95
19) 1,1-Dichloroethane	6.21	63	163813	23.029	ug/L	96
21) 2-Butanone	7.18	43	88257	40.584	ug/L	93
22) cis-1,2-Dichloroethene	7.17	96	103697	25.544	ug/L	93

) MMD 07/31/18

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	48766	25.375	ug/L	86
25) Chloroform	7.67	83	175794	24.102	ug/L	98
27) 1,2-Dichloroethane	8.40	62	123170	22.959	ug/L	99
30) Cyclohexane	7.95	56	151491	25.374	ug/L	91
31) 1,1,1-Trichloroethane	7.87	97	144610	26.558	ug/L	96
32) Carbon tetrachloride	8.07	117	142328	26.875	ug/L	100
34) Benzene	8.32	78	384200	24.769	ug/L	100
35) Trichloroethene	9.09	95	104689	25.656	ug/L	97
36) Methylcyclohexane	9.34	83	177924	26.090	ug/L	95
40) 1,2-Dichloropropane	9.37	63	95229	22.611	ug/L	99
41) Bromodichloromethane	9.65	83	126746	24.372	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	156812	25.597	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	161432	43.028	ug/L #	93
44) Toluene	10.39	91	427961	26.105	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	142492	25.363	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	78164	23.905	ug/L	99
47) Tetrachloroethene	10.87	164	91303	27.971	ug/L	99
49) 2-Hexanone	10.97	43	126556	43.052	ug/L #	93
50) Dibromochloromethane	11.13	129	97031	26.018	ug/L	98
51) 1,2-Dibromoethane	11.24	107	78538	24.634	ug/L	93
52) Chlorobenzene	11.66	112	279368	26.738	ug/L	94
53) Ethylbenzene	11.74	91	484349	27.380	ug/L	99
54) m,p-Xylene	11.85	106	181709	27.310	ug/L	99
55) o-xylene	12.17	106	178189	28.613	ug/L	96
56) Styrene	12.19	104	303676	28.135	ug/L	97
57) Isopropylbenzene	12.47	105	496920	29.372	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.72	83	109334	23.455	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	84858	23.679	ug/L	98
62) Bromoform	12.35	173	68382	26.070	ug/L	98
63) 1,3-Dichlorobenzene	13.51	146	226396	26.336	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	232314	25.593	ug/L	98
65) 1,2-Dichlorobenzene	13.88	146	214696	25.635	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	21547	22.908	ug/L #	84
67) 1,3,5-Trichlorobenzene	14.64	180	180215	27.101	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	153869	28.372	ug/L	99
69) Naphthalene	15.38	128	346328	27.793	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	141315	26.936	ug/L	100

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