

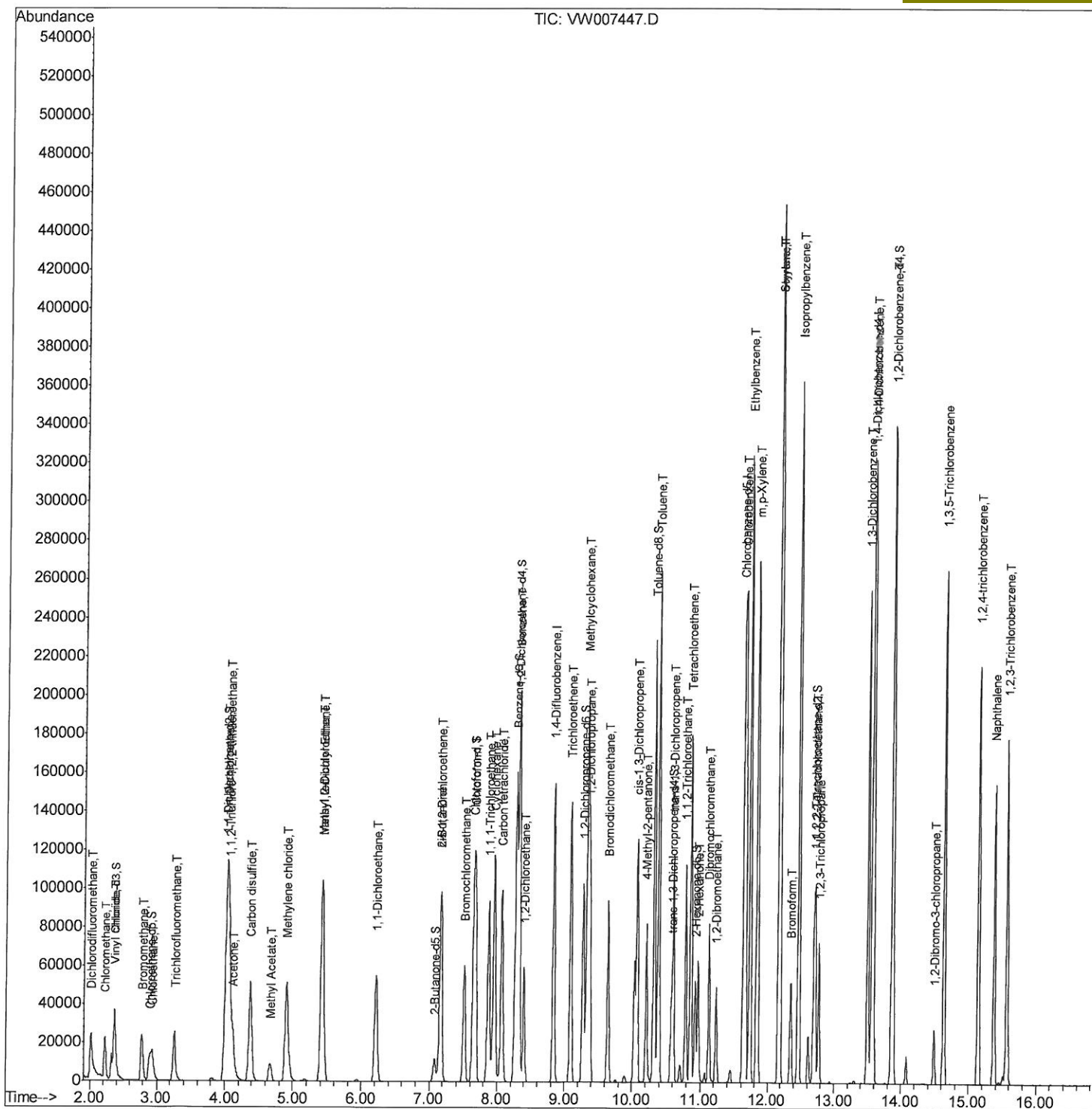
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121418\
 Quantitation Report (QT Reviewed)
 Data File : VW007447.D
 Acq On : 12 Dec 2018 17:10
 Operator : SY/AP
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 LabSampleId :
 VSTD02587

Quant Time: Dec 13 01:28:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120718S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 13 00:38:14 2018
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
 12/14/2018 12:01:39 AM



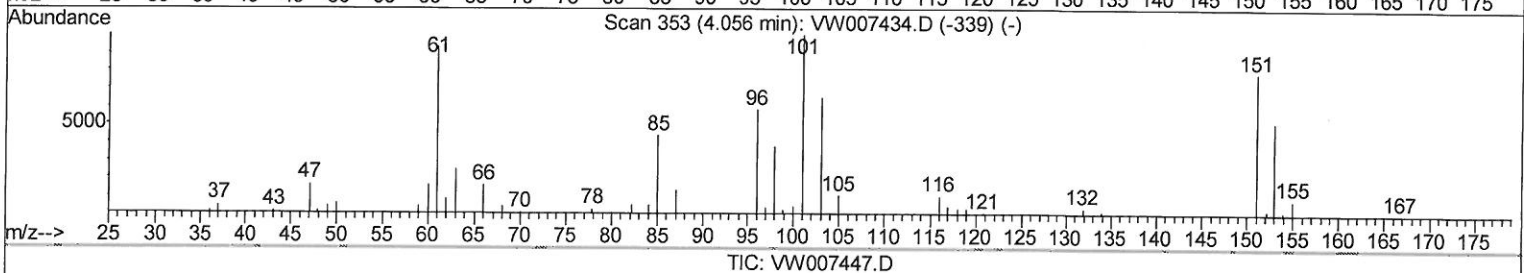
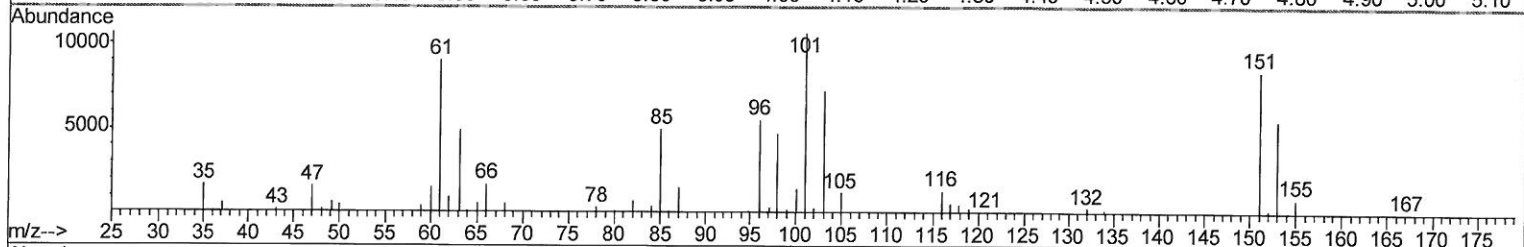
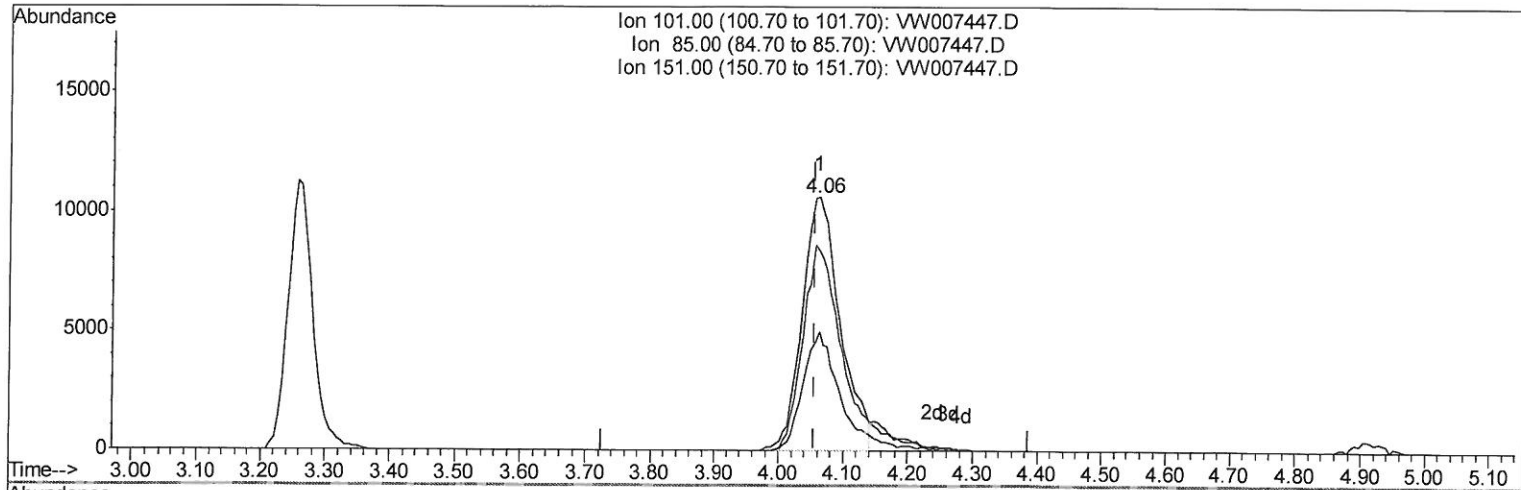
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(11) 1,1,2-Trichloro-1,2,2-trifluoroethane (T)

4.062min (+0.006) 25.77ug/L

response 43272

Ion	Exp%	Act%
101.00	100	100
85.00	44.30	45.75
151.00	81.00	82.71
0.00	0.00	0.00

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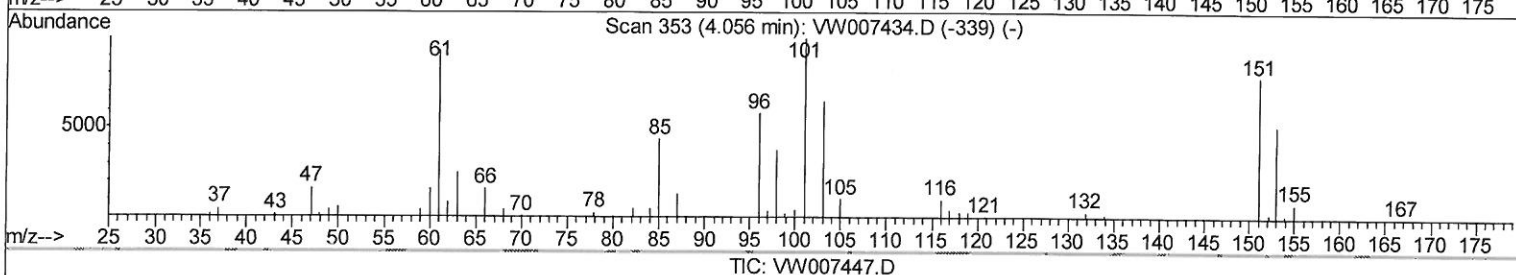
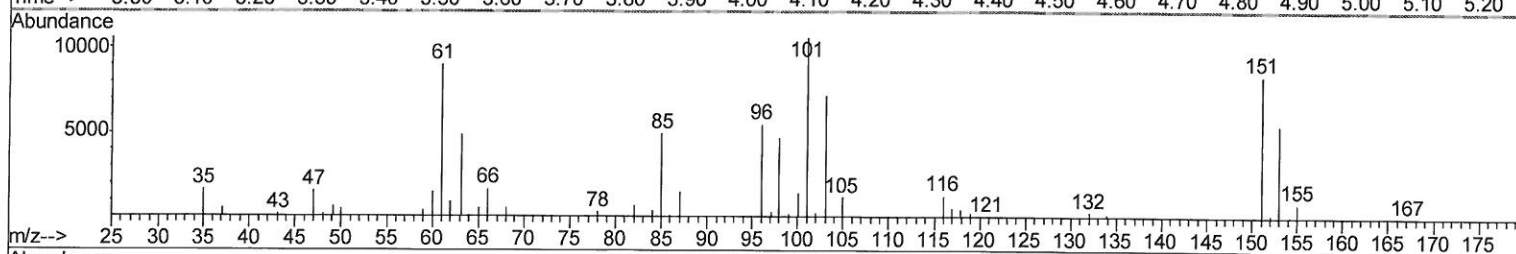
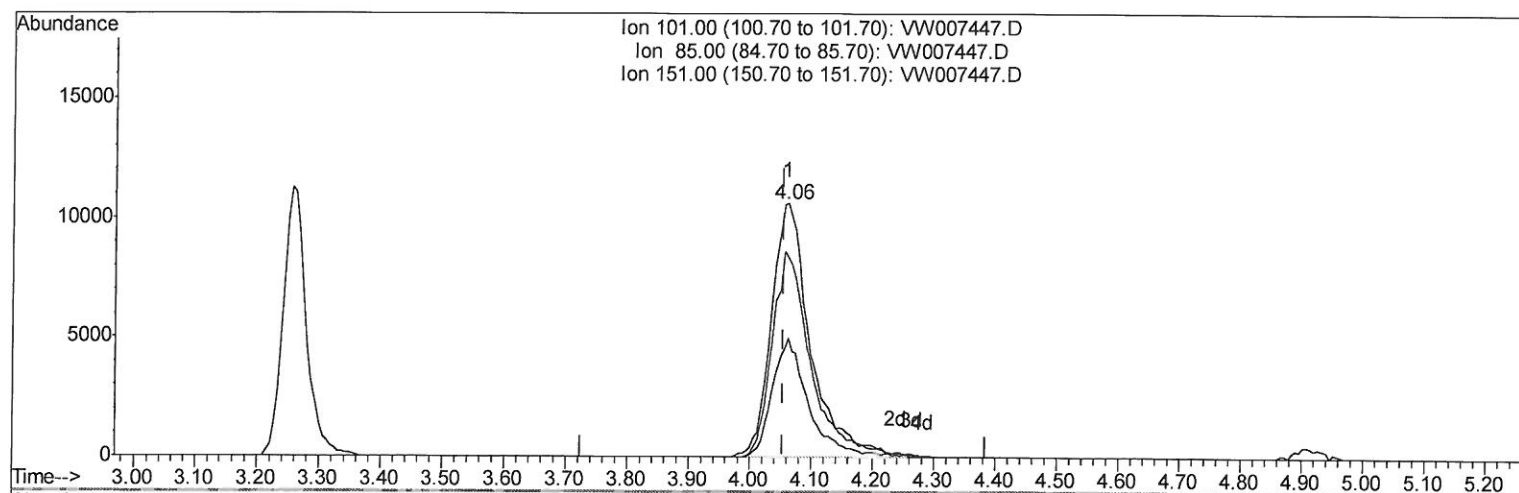
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(11) 1,1,2-Trichloro-1,2,2-trifluoroethane (T)

4.062min (+0.006) 27.85ug/L m

response 46755

Ion	Exp%	Act%
101.00	100	100
85.00	44.30	42.34
151.00	81.00	76.55
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	133031	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	120476	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	61686	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	22746	26.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	105.00%
7) Chloroethane-d5	2.89	69	17657	24.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.24%
10) 1,1-Dichloroethene-d2	4.01	63	79554	26.62	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	106.48%
20) 2-Butanone-d5	7.07	46	20305	37.18	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	74.36%
24) Chloroform-d	7.65	84	86040	27.42	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	109.68%
26) 1,2-Dichloroethane-d4	8.31	65	46459	26.01	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	104.04%
29) Benzene-d6	8.27	84	162323	24.81	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.24%
33) 1,2-Dichloropropane-d6	9.27	67	45570	24.40	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.60%
37) Toluene-d8	10.32	98	155224	25.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.20%
38) trans-1,3-Dichloropropene	10.58	79	22484	23.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.20%
39) 2-Hexanone-d5	10.93	63	17400	38.71	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	77.42%
48) 1,1,2,2-Tetrachloroethane	12.69	84	39015	22.93	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.72%
61) 1,2-Dichlorobenzene-d4	13.86	152	57043	26.29	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	105.16%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	42028	28.928	ug/L	95
3) Chloromethane	2.22	50	24712	21.248	ug/L	96
5) Vinyl chloride	2.37	62	30665	27.947	ug/L	99
6) Bromomethane	2.78	94	19347	25.492	ug/L	99
8) Chloroethane	2.93	64	16138	24.434	ug/L	98
9) Trichlorofluoromethane	3.26	101	29670	23.557	ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	46755m	27.847	ug/L	88
12) 1,1-Dichloroethene	4.04	96	42413	27.148	ug/L	94
13) Acetone	4.12	43	19898	31.330	ug/L	99
14) Carbon disulfide	4.37	76	125174	27.441	ug/L	89
15) Methyl Acetate	4.67	43	17199	18.060	ug/L #	100
16) Methylene chloride	4.91	84	44023	20.481	ug/L	97
17) Methyl tert-butyl Ether	5.43	73	62064	24.431	ug/L #	96
18) trans-1,2-Dichloroethene	5.42	96	44755	26.702	ug/L	96
19) 1,1-Dichloroethane	6.21	63	75772	26.522	ug/L	100
21) 2-Butanone	7.17	43	24998	36.620	ug/L	96
22) cis-1,2-Dichloroethene	7.17	96	48722	26.416	ug/L	96

12/13/18 SY

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	22390	26.629	ug/L	94
25) Chloroform	7.67	83	86332	27.928	ug/L	100
27) 1,2-Dichloroethane	8.40	62	57675	26.100	ug/L	98
30) Cyclohexane	7.95	56	67572	23.379	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	75949	26.785	ug/L	100
32) Carbon tetrachloride	8.07	117	74017	27.012	ug/L	98
34) Benzene	8.32	78	176388	25.543	ug/L	100
35) Trichloroethene	9.09	95	49098	24.795	ug/L	98
36) Methylcyclohexane	9.34	83	84031	24.582	ug/L	98
40) 1,2-Dichloropropane	9.37	63	42195	24.980	ug/L	99
41) Bromodichloromethane	9.65	83	62472	25.757	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	70951	25.011	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	49315	36.884	ug/L	99
44) Toluene	10.39	91	192804	25.903	ug/L	94
45) trans-1,3-Dichloropropene	10.61	75	61973	24.876	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	34204	24.591	ug/L	96
47) Tetrachloroethene	10.87	164	40063	26.784	ug/L	93
49) 2-Hexanone	10.97	43	37003	39.378	ug/L	97
50) Dibromochloromethane	11.13	129	45128	26.410	ug/L	100
51) 1,2-Dibromoethane	11.24	107	33752	24.162	ug/L	99
52) Chlorobenzene	11.66	112	130975	27.113	ug/L	98
53) Ethylbenzene	11.73	91	228222	27.268	ug/L	98
54) m,p-Xylene	11.84	106	87573	27.545	ug/L	88
55) o-xylene	12.17	106	83300	27.724	ug/L	95
56) Styrene	12.18	104	143174	27.799	ug/L	97
57) Isopropylbenzene	12.47	105	235031	28.028	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	39537	22.930	ug/L #	95
59) 1,2,3-Trichloropropane	12.77	75	30757	22.535	ug/L	97
62) Bromoform	12.35	173	25079	23.740	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	105134	26.529	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	106130	26.864	ug/L	92
65) 1,2-Dichlorobenzene	13.87	146	98883	27.881	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.49	75	7622	20.290	ug/L	91
67) 1,3,5-Trichlorobenzene	14.63	180	78948	27.501	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	66777	26.981	ug/L	97
69) Naphthalene	15.37	128	137285	22.441	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	59619	26.497	ug/L	99

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