

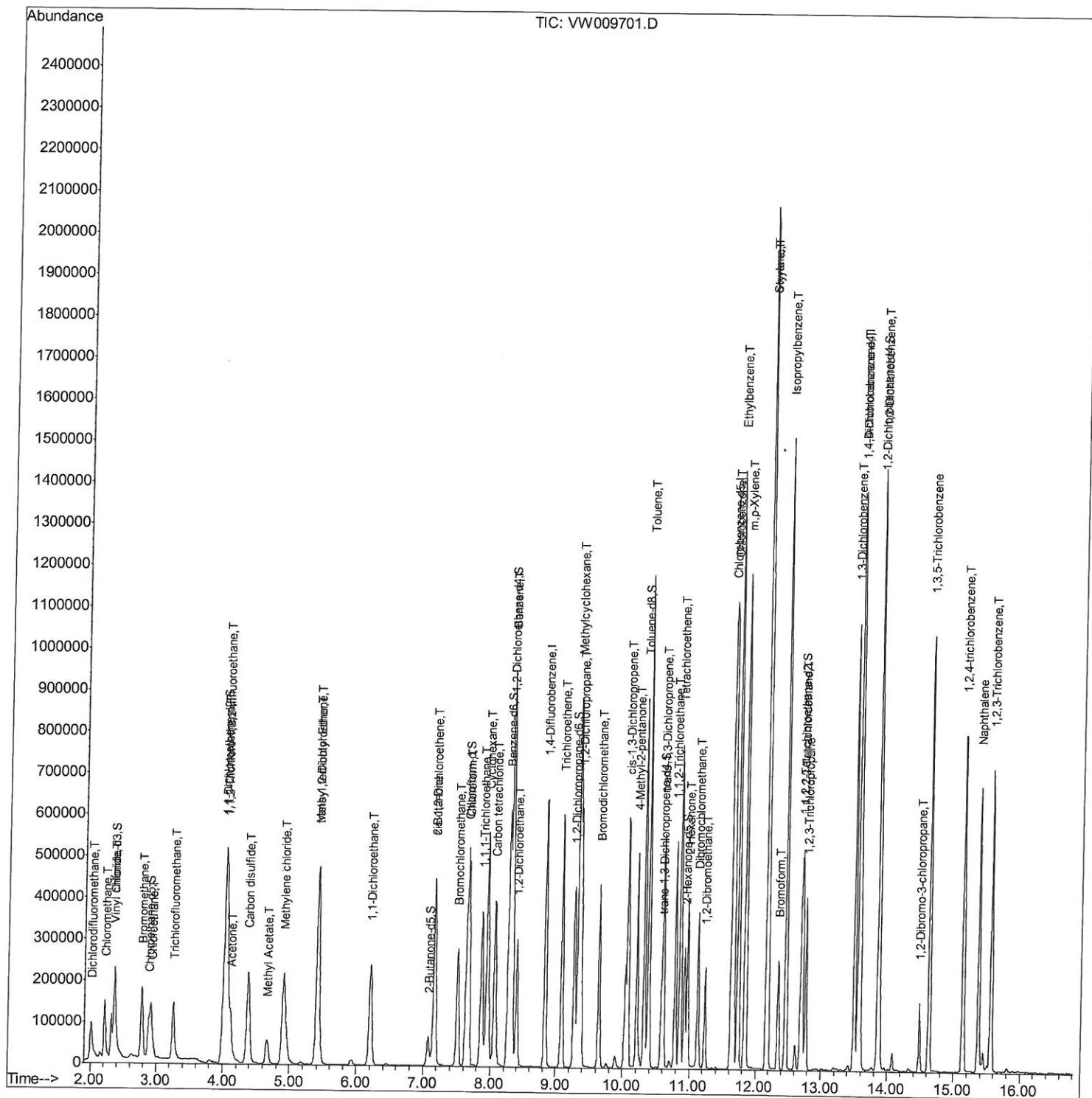
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040519\
Data File : VW009701.D
Acq On : 04 Apr 2019 23:20
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTD02512

Manual Integrations
APPROVED

MMDadoda
4/8/2019 3:32:38 AM

Quant Time: Apr 05 08:17:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis
QLast Update : Fri Apr 05 05:32:00 2019
Response via : Initial Calibration



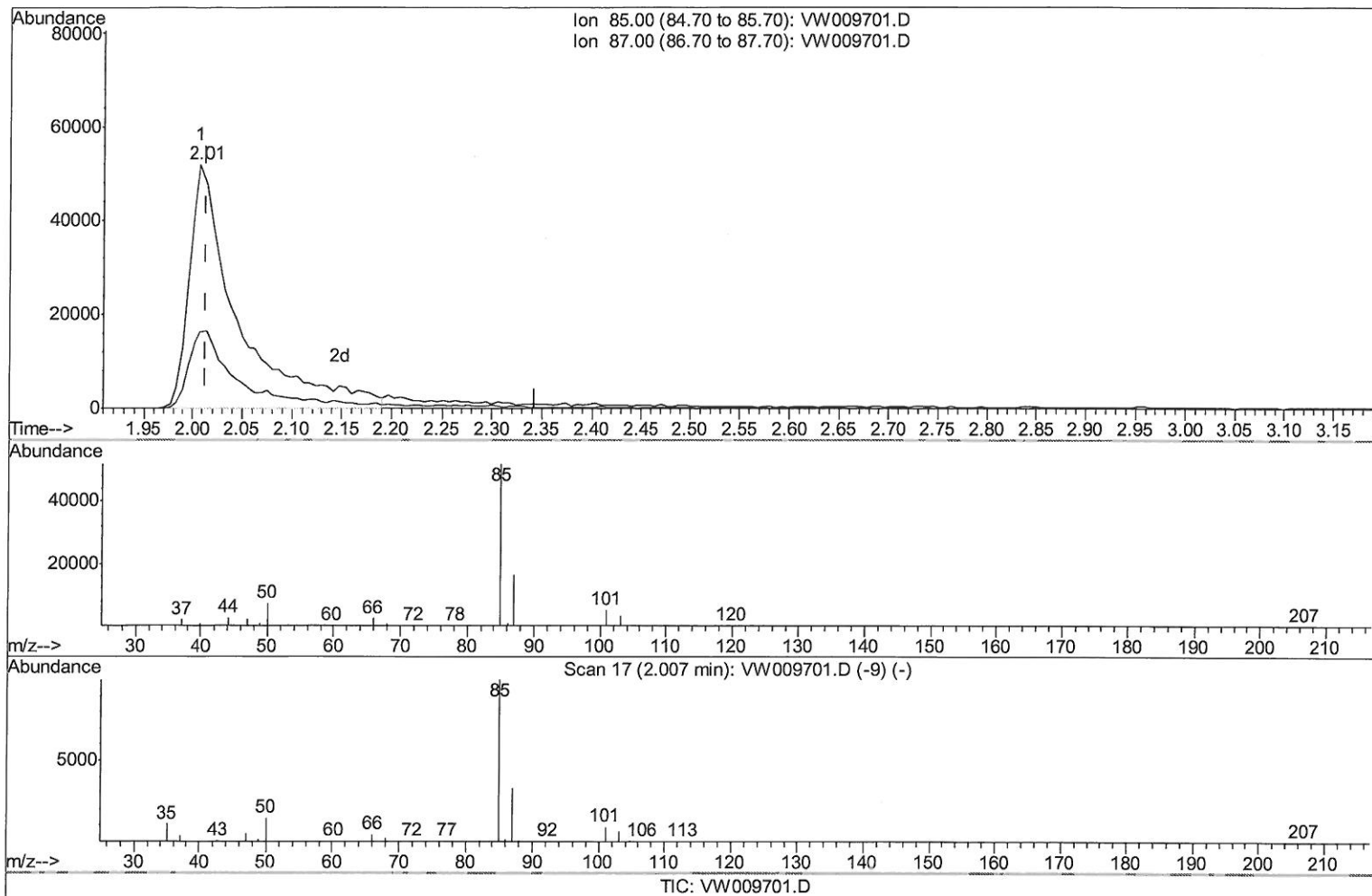
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(2) Dichlorodifluoromethane (T)

2.007min (-0.006) 26.03ug/L m

response 175781

Ion	Exp%	Act%
85.00	100	100
87.00	25.80	25.73
0.00	0.00	0.00
0.00	0.00	0.00

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4/8/19

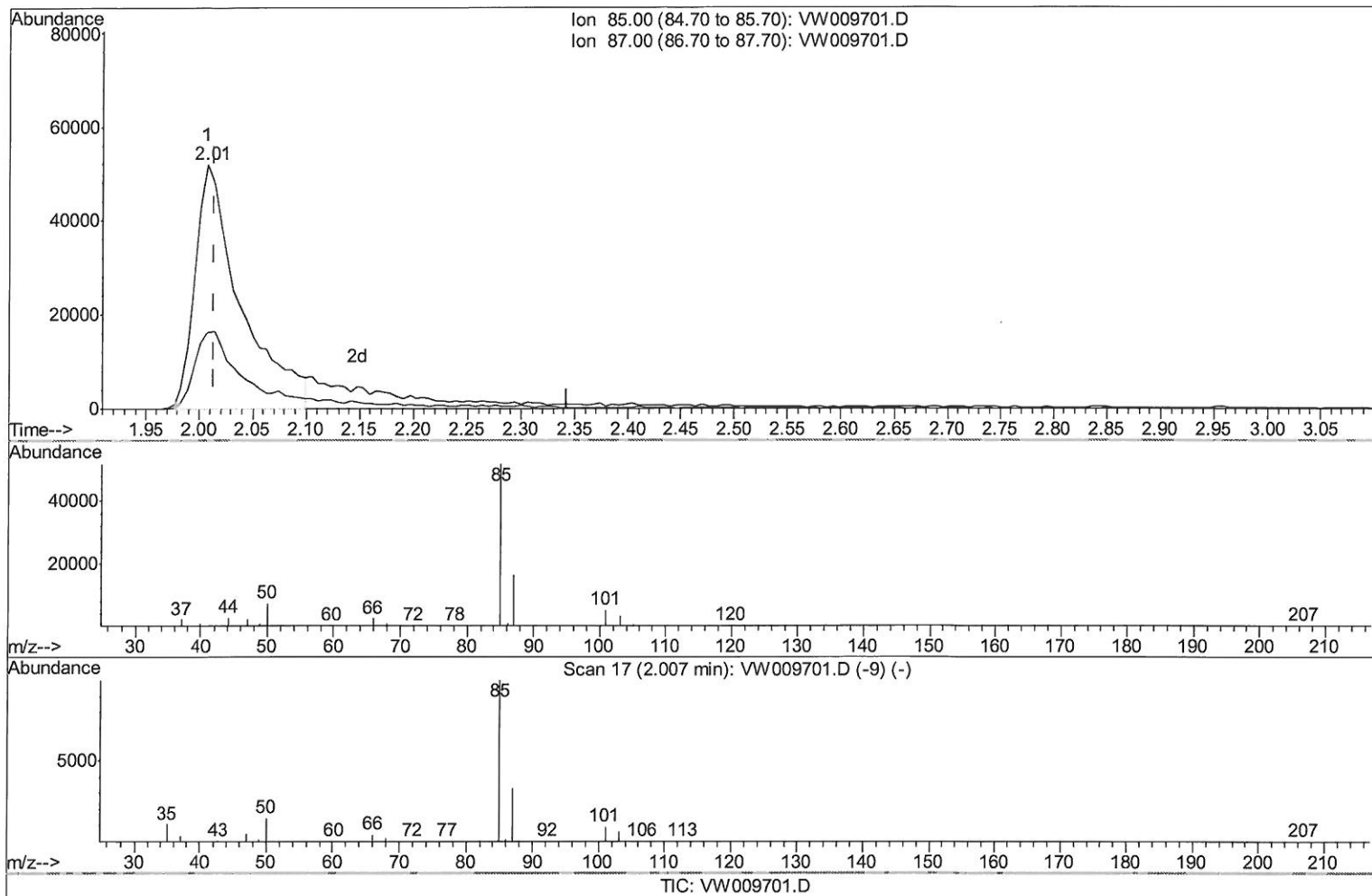
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(2) Dichlorodifluoromethane (T)

2.007min (-0.006) 22.60ug/L

response 152622

Ion	Exp%	Act%
85.00	100	100
87.00	25.80	29.63
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	512603	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	493312	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	250693	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	132476	19.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.00%
7) Chloroethane-d5	2.89	69	129731	21.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.44%
10) 1,1-Dichloroethene-d2	4.02	63	320411	22.21	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.84%
20) 2-Butanone-d5	7.07	46	116888	53.67	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.34%
24) Chloroform-d	7.64	84	324728	23.22	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.88%
26) 1,2-Dichloroethane-d4	8.30	65	200504	23.35	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.40%
29) Benzene-d6	8.27	84	593444	22.92	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.68%
33) 1,2-Dichloropropane-d6	9.27	67	184110	23.02	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.08%
37) Toluene-d8	10.32	98	548220	22.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.60%
38) trans-1,3-Dichloropropene-	10.58	79	89455	23.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.80%
39) 2-Hexanone-d5	10.93	63	86888	57.63	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	115.26%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	185920	25.00	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.00%
61) 1,2-Dichlorobenzene-d4	13.85	152	205364	23.35	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	175781m	26.032	ug/L
3) Chloromethane	2.21	50	163590	23.443	ug/L
5) Vinyl chloride	2.37	62	209613	23.418	ug/L
6) Bromomethane	2.78	94	145572	23.503	ug/L
8) Chloroethane	2.92	64	140677	23.946	ug/L
9) Trichlorofluoromethane	3.26	101	157679	28.716	ug/L
11) 1,1,2-Trichloro-1,2,2-trif	4.05	101	172941	24.214	ug/L
12) 1,1-Dichloroethene	4.03	96	170756	25.080	ug/L
13) Acetone	4.12	43	125648	53.845	ug/L
14) Carbon disulfide	4.37	76	507717	23.991	ug/L
15) Methyl Acetate	4.66	43	112946	26.545	ug/L
16) Methylene chloride	4.91	84	196495	21.735	ug/L
17) Methyl tert-butyl Ether	5.42	73	261501	27.881	ug/L
18) trans-1,2-Dichloroethene	5.41	96	181182	25.588	ug/L
19) 1,1-Dichloroethane	6.21	63	347235	25.554	ug/L
21) 2-Butanone	7.17	43	162310	54.690	ug/L
22) cis-1,2-Dichloroethene	7.17	96	196910	26.002	ug/L

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	90547	26.061	ug/L	95
25) Chloroform	7.67	83	364405	25.602	ug/L	99
27) 1,2-Dichloroethane	8.40	62	285227	26.495	ug/L	98
30) Cyclohexane	7.95	56	305734	26.258	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	283617	25.344	ug/L	99
32) Carbon tetrachloride	8.06	117	281437	25.084	ug/L	98
34) Benzene	8.32	78	763522	25.725	ug/L	100
35) Trichloroethene	9.09	95	196026	25.237	ug/L	99
36) Methylcyclohexane	9.33	83	341192	26.718	ug/L	99
40) 1,2-Dichloropropane	9.37	63	196701	25.890	ug/L	99
41) Bromodichloromethane	9.64	83	272703	26.013	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	313424	26.628	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	343056	58.128	ug/L	100
44) Toluene	10.38	91	826988	26.302	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	272465	26.849	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	152001	26.654	ug/L	96
47) Tetrachloroethene	10.86	164	157216	25.699	ug/L	95
49) 2-Hexanone	10.97	43	256926	58.467	ug/L	100
50) Dibromochloromethane	11.13	129	184795	26.376	ug/L	97
51) 1,2-Dibromoethane	11.23	107	152358	26.656	ug/L	99
52) Chlorobenzene	11.66	112	517890	25.589	ug/L	98
53) Ethylbenzene	11.73	91	947910	26.466	ug/L	100
54) m,p-Xylene	11.84	106	351098	26.504	ug/L	98
55) o-xylene	12.16	106	338112	26.799	ug/L	97
56) Styrene	12.18	104	598080	27.320	ug/L	100
57) Isopropylbenzene	12.46	105	937486	27.137	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	209534	27.324	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	157513	27.593	ug/L	99
62) Bromoform	12.35	173	113876	25.835	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	397253	25.616	ug/L	100
64) 1,4-Dichlorobenzene	13.58	146	420359	25.419	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	383753	25.866	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	38825	26.884	ug/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	298841	25.972	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	245793	26.599	ug/L	99
69) Naphthalene	15.37	128	539226	29.033	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	233385	26.999	ug/L	100

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