

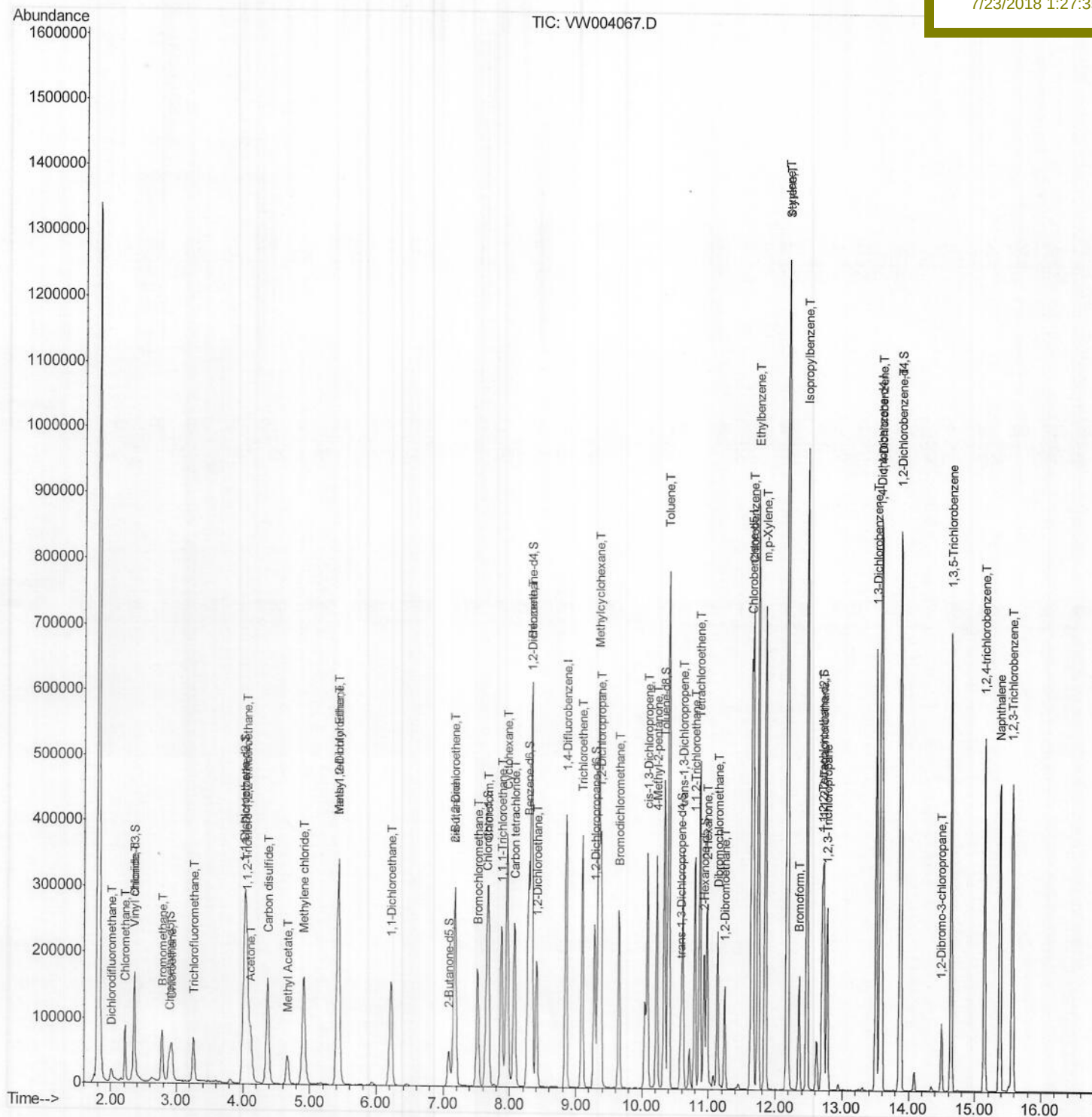
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072018\
Data File : VW004067.D
Acq On : 20 Jul 2018 10:27
Operator : SY/AP
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTD02592

Quant Time: Jul 21 04:52:00 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 20 07:22:04 2018
Response via : Initial Calibration

Manual Integrations APPROVED

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7/23/2018 1:27:35 PM



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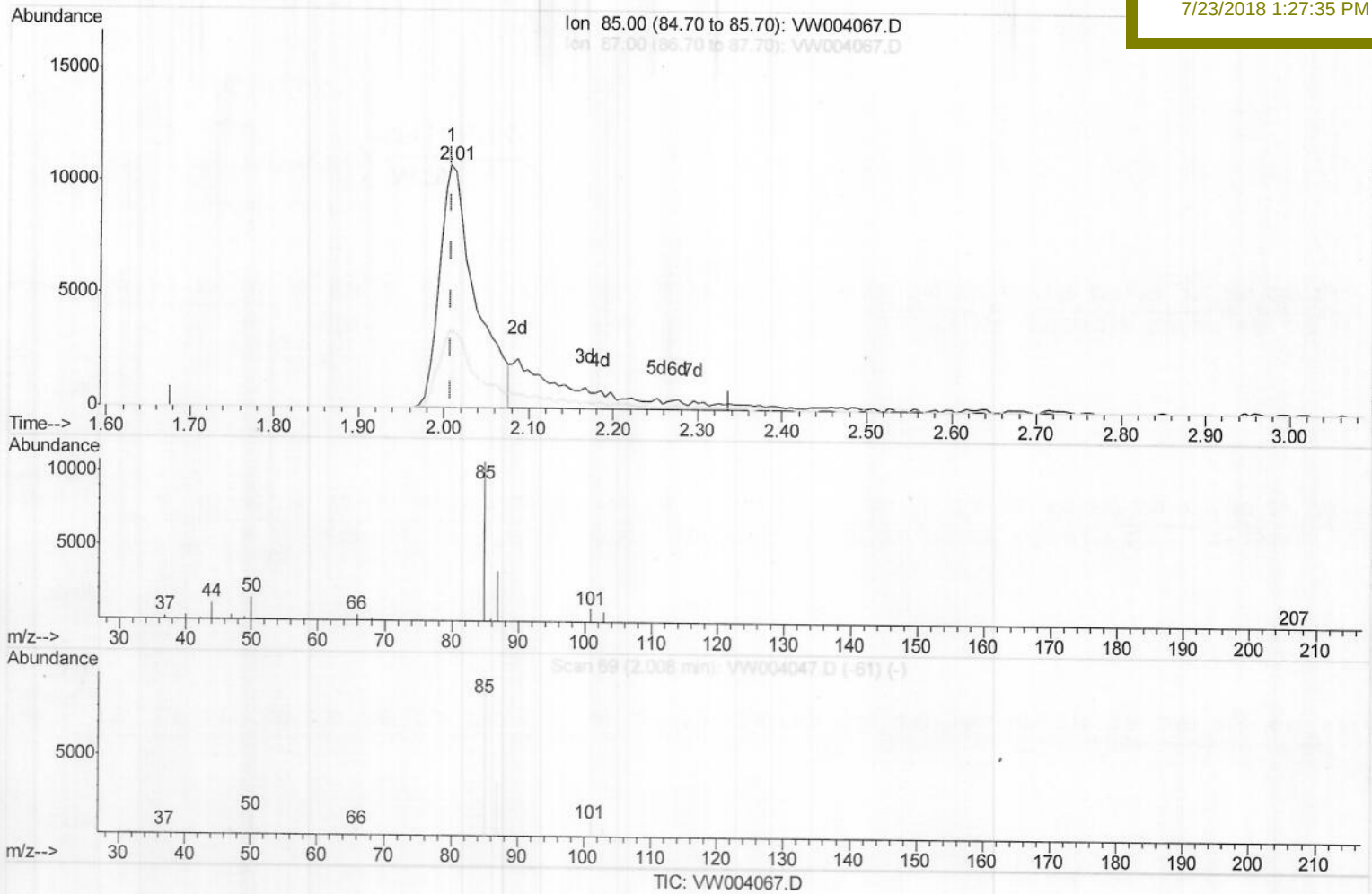
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(2) Dichlorodifluoromethane (T)

2.008min (0.000) 14.44ug/L

response 31112

Ion	Exp%	Act%
85.00	100	100
87.00	0.10	28.28#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

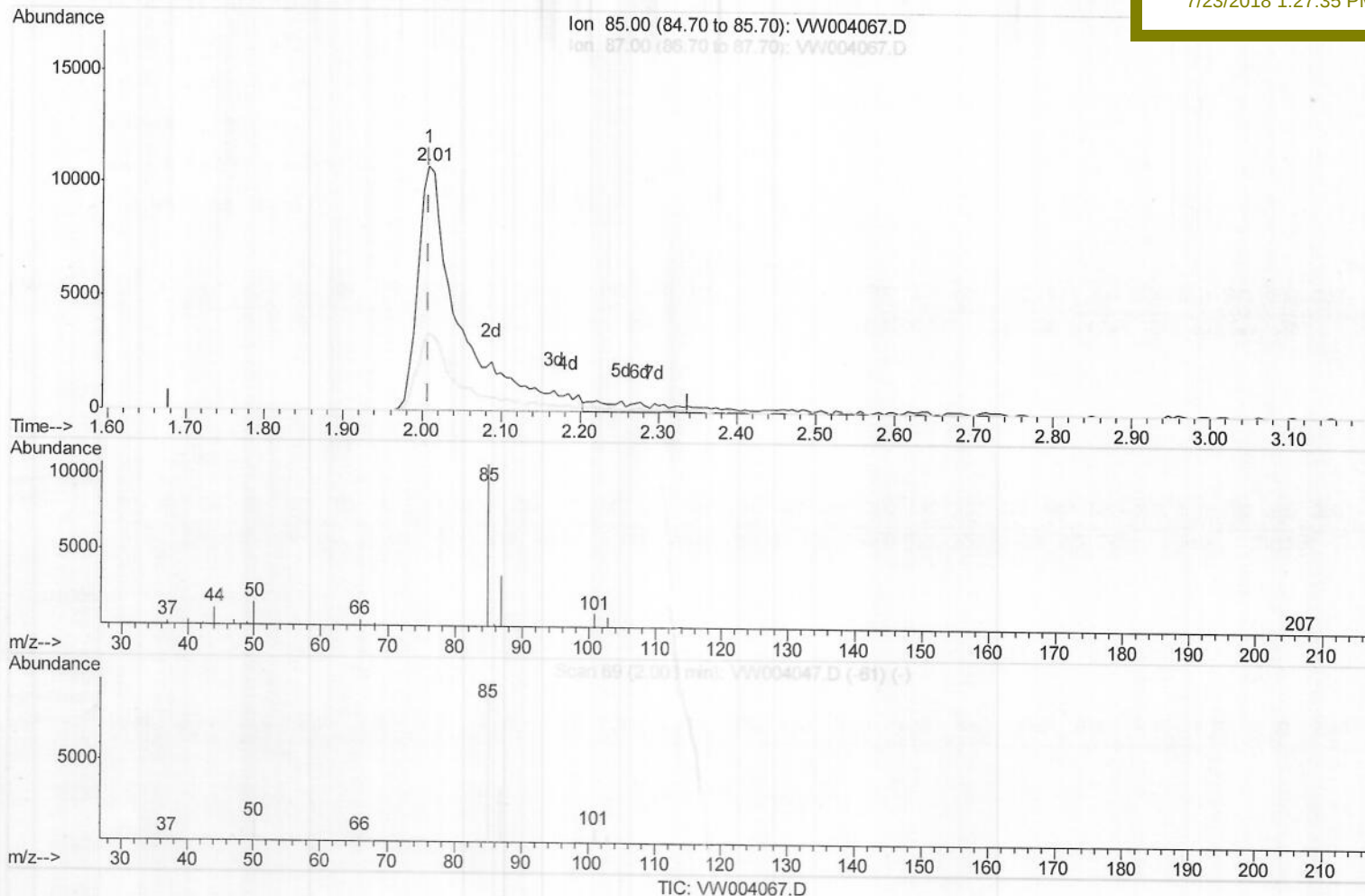
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(2) Dichlorodifluoromethane (T)

2.008min (0.000) 18.33ug/L m

response 39497

MD
 6/24/18

Ion	Exp%	Act%
85.00	100	100
87.00	0.10	22.28#
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	8.85	114	336586	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.64	117	315080	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	159446	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	66351	19.93	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	79.72%		
7) Chloroethane-d5	2.89	69	51816	21.59	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	86.36%		
10) 1,1-Dichloroethene-d2	4.01	63	183552	22.98	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	91.92%		
20) 2-Butanone-d5	7.09	46	90141	46.17	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	92.34%		
24) Chloroform-d	7.65	84	195139	24.43	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	97.72%		
26) 1,2-Dichloroethane-d4	8.31	65	113966	23.69	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	94.76%		
29) Benzene-d6	8.27	84	344318	23.56	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	94.24%		
33) 1,2-Dichloropropane-d6	9.28	67	116933	23.99	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	95.96%		
37) Toluene-d8	10.33	98	310192	23.62	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	94.48%		
38) trans-1,3-Dichloropropene-	10.58	79	51682	24.13	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	96.52%		
39) 2-Hexanone-d5	10.93	63	65668	50.05	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	100.10%		
48) 1,1,2,2-Tetrachloroethane-	12.70	84	133053	24.91	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	99.64%		
61) 1,2-Dichlorobenzene-d4	13.87	152	122770	23.95	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	95.80%		

Target Compounds

	R.T.	QIon	Response	Conc	Units	Dev(Min)	Ovalue
2) Dichlorodifluoromethane	2.01	85	39497m)	18.328	ug/L		
3) Chloromethane	2.22	50	77690	22.550	ug/L	100	
5) Vinyl chloride	2.36	62	113717	21.920	ug/L	100	
6) Bromomethane	2.78	94	63032	22.887	ug/L	99	
8) Chloroethane	2.93	64	63641	23.401	ug/L	97	
9) Trichlorofluoromethane	3.26	101	68456	26.485	ug/L	97	
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	118325	25.744	ug/L	99	
12) 1,1-Dichloroethene	4.03	96	114657	25.591	ug/L	91	
13) Acetone	4.12	43	94742	44.636	ug/L	100	
14) Carbon disulfide	4.37	76	366720	25.300	ug/L	99	
15) Methyl Acetate	4.67	43	84788	23.416	ug/L	98	
16) Methylene chloride	4.91	84	129059	19.987	ug/L	99	
17) Methyl tert-butyl Ether	5.43	73	228374	26.356	ug/L	89	#
18) trans-1,2-Dichloroethene	5.42	96	121104	26.254	ug/L	99	
19) 1,1-Dichloroethane	6.21	63	231140	26.339	ug/L	100	
21) 2-Butanone	7.17	43	119356	45.321	ug/L	100	
22) cis-1,2-Dichloroethene	7.17	96	130393	26.447	ug/L	99	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	60997	26.312	ug/L	98
25) Chloroform	7.68	83	238356	26.598	ug/L	100
27) 1,2-Dichloroethane	8.40	62	173588	26.282	ug/L #	95
30) Cyclohexane	7.96	56	206164	26.828	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	192695	26.891	ug/L	99
32) Carbon tetrachloride	8.07	117	184347	26.664	ug/L	100
34) Benzene	8.32	78	524566	27.160	ug/L	100
35) Trichloroethene	9.09	95	134670	26.061	ug/L	99
36) Methylcyclohexane	9.34	83	236267	27.663	ug/L	99
40) 1,2-Dichloropropane	9.37	63	140583	26.851	ug/L	99
41) Bromodichloromethane	9.65	83	172594	26.774	ug/L	99
42) cis-1,3-Dichloropropene	10.08	75	203551	27.591	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	235513	51.167	ug/L	100
44) Toluene	10.39	91	566887	28.011	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	187880	27.610	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	106692	26.220	ug/L	98
47) Tetrachloroethene	10.87	164	109350	26.238	ug/L	93
49) 2-Hexanone	10.98	43	178225	50.015	ug/L	98
50) Dibromochloromethane	11.13	129	124433	27.297	ug/L	95
51) 1,2-Dibromoethane	11.24	107	102291	25.738	ug/L	100
52) Chlorobenzene	11.66	112	352982	27.202	ug/L	99
53) Ethylbenzene	11.74	91	620775	28.336	ug/L	98
54) m,p-Xylene	11.85	106	232296	28.770	ug/L	100
55) o-xylene	12.17	106	217238	28.129	ug/L	93
56) Styrene	12.19	104	384078	28.788	ug/L	99
57) Isopropylbenzene	12.47	105	613275	28.963	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	145427	25.003	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	113548	25.220	ug/L	100
62) Bromoform	12.35	173	78451	26.071	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	265790	27.065	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	284485	27.017	ug/L	100
65) 1,2-Dichlorobenzene	13.88	146	258962	27.059	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	26344	23.611	ug/L	93
67) 1,3,5-Trichlorobenzene	14.64	180	208675	26.872	ug/L	98
68) 1,2,4-trichlorobenzene	15.15	180	168712	27.091	ug/L	99
69) Naphthalene	15.38	128	384812	27.445	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	163832	27.650	ug/L	100

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