

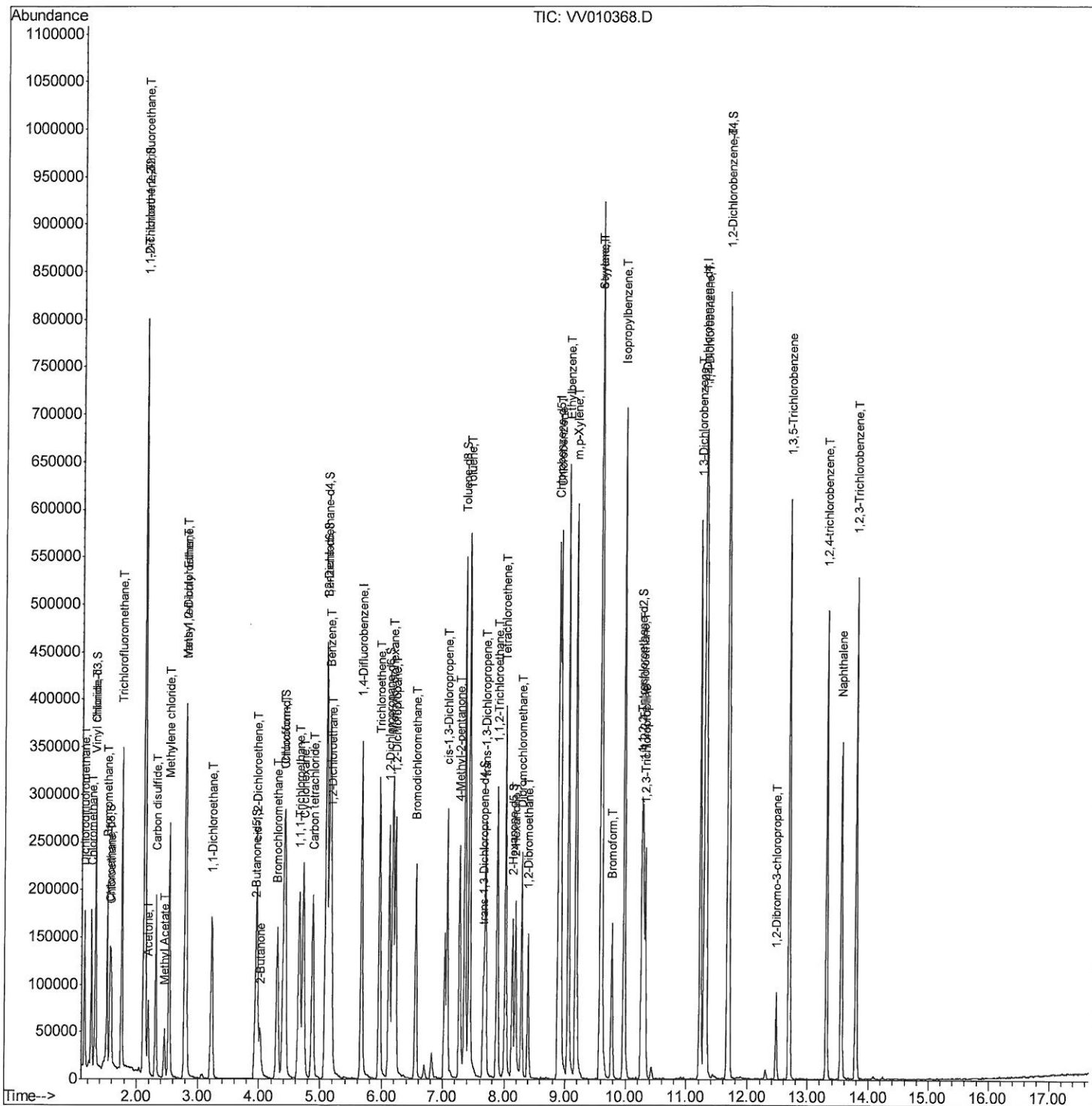
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV041819\
Data File : VV010368.D
Acq On : 19 Apr 2019 00:50
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
LabSampleId :
VSTD02573

Manual Integrations APPROVED

MMDadoda
4/23/2019 6:53:45 AM

Quant Time: Apr 19 08:56:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041819S.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 18 13:50:36 2019
Response via : Initial Calibration



Quantitation Report (Qedit)

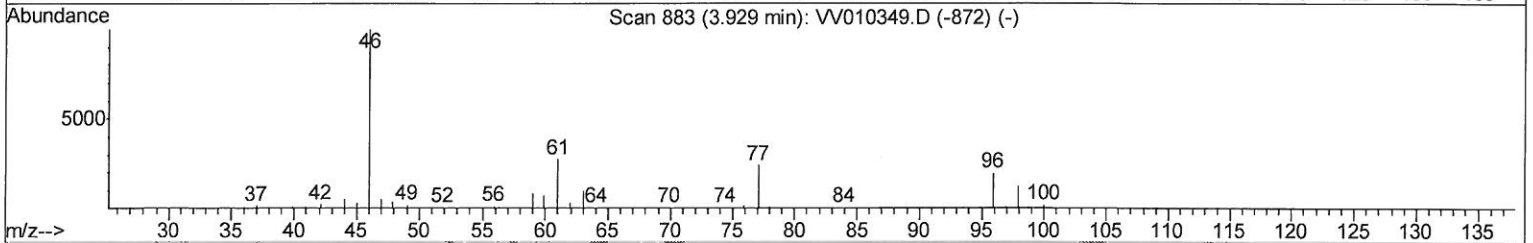
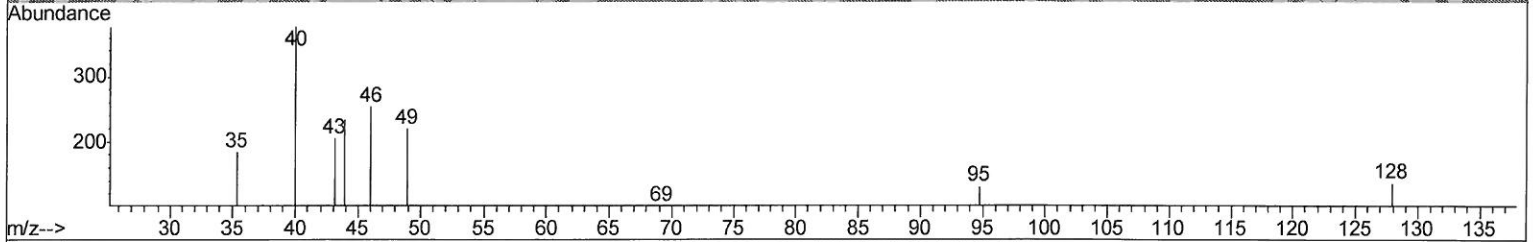
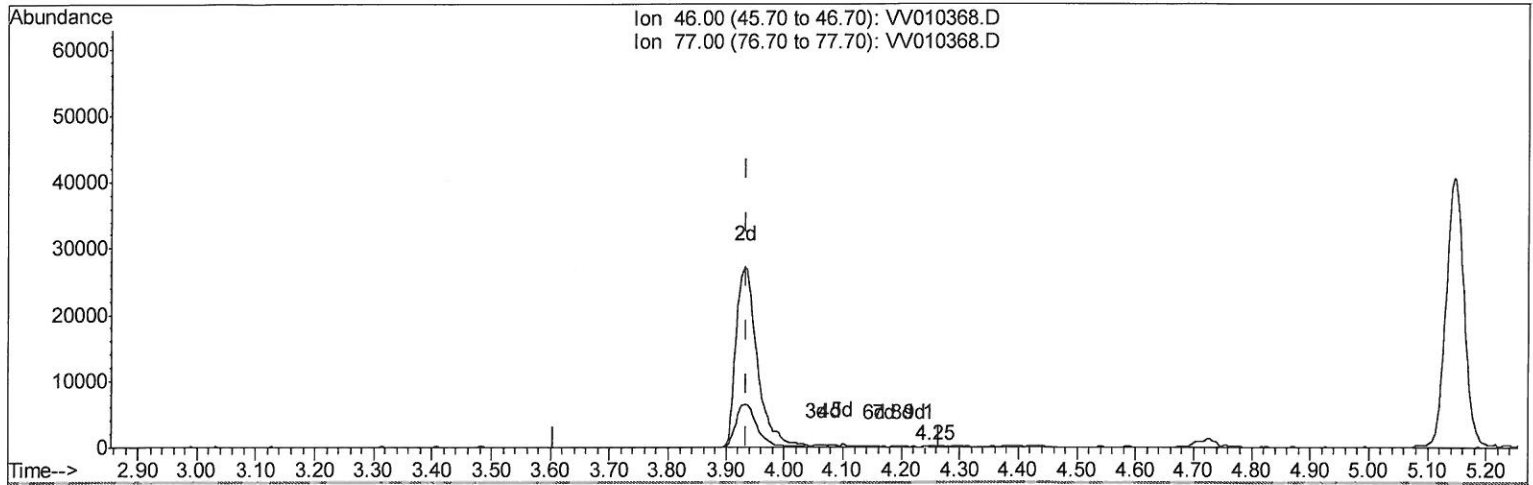
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TIC: VV010368.D

(20) 2-Butanone-d5 (S)

4.248min (+0.312) 0.17ug/L

response 199

Ion	Exp%	Act%
46.00	100	100
77.00	26.30	34.17
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

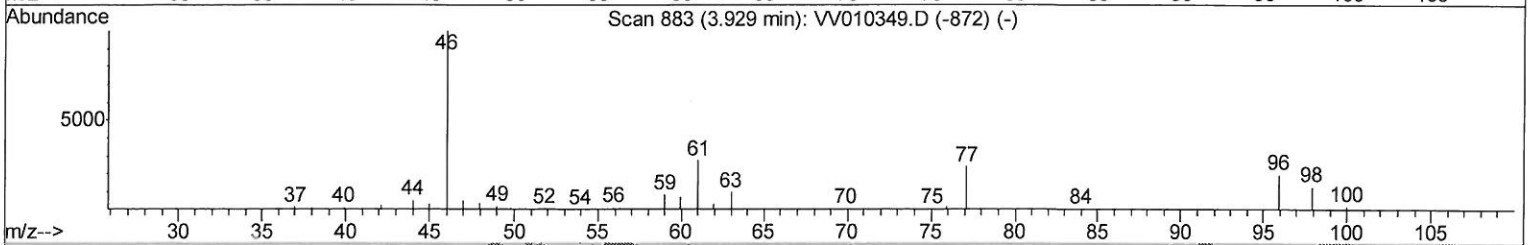
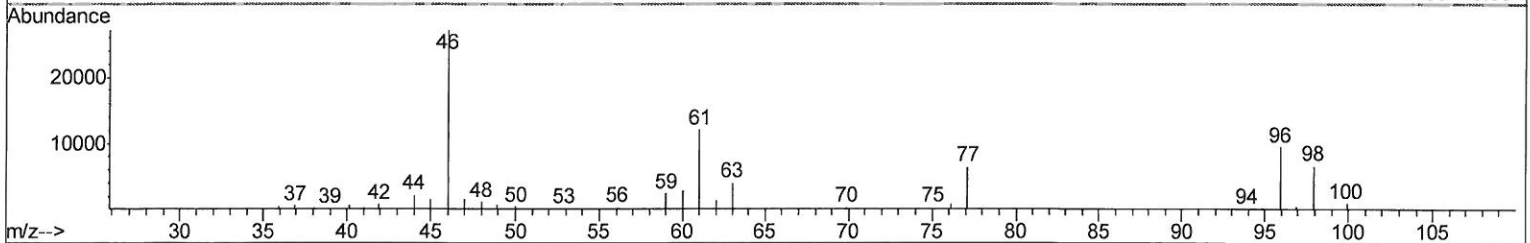
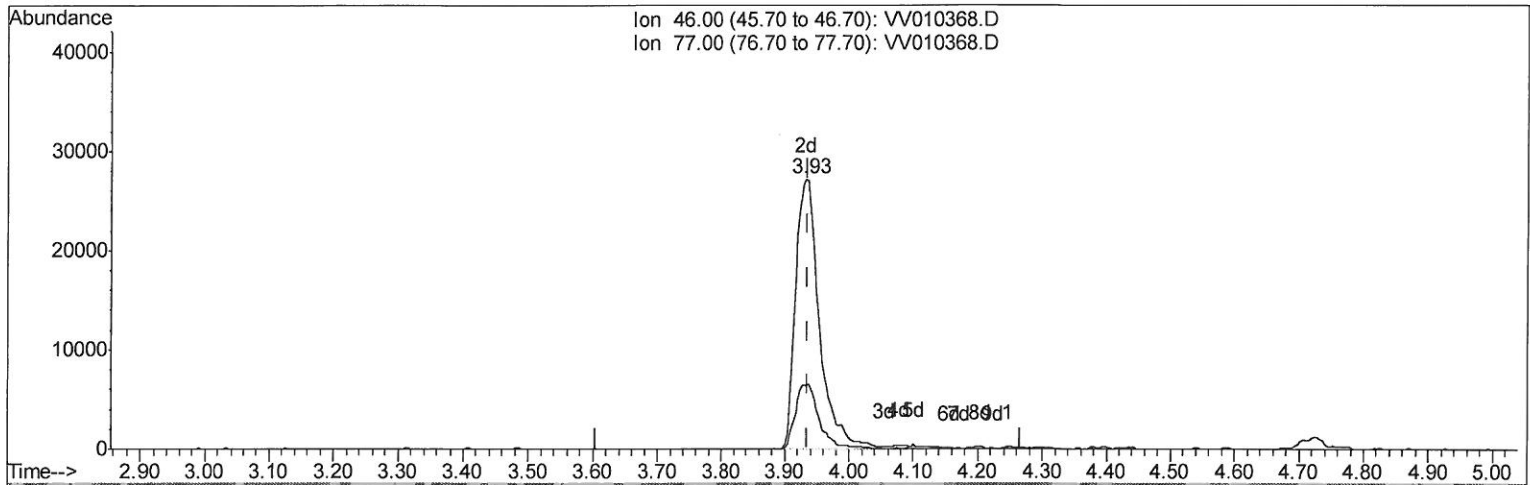
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TIC: VV010368.D

(20) 2-Butanone-d5 (S)

3.933min (-0.003) 59.38ug/L m

response 70098

Ion	Exp%	Act%
46.00	100	100
77.00	26.30	0.10#
0.00	0.00	0.00
0.00	0.00	0.00

Handwritten signature: 7MD
 4/26/19

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	298525	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	305173	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	161762	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	84402	22.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.08%
7) Chloroethane-d5	1.56	69	79067	24.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.32%
10) 1,1-Dichloroethene-d2	2.12	63	206544	22.58	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.32%
20) 2-Butanone-d5	3.93	46	70098m	59.38	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	118.76%
24) Chloroform-d	4.40	84	194453	24.78	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.12%
26) 1,2-Dichloroethane-d4	5.08	65	126903	27.39	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	109.56%
29) Benzene-d6	5.10	84	383314	24.54	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.16%
33) 1,2-Dichloropropane-d6	6.12	67	117455	25.69	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	102.76%
37) Toluene-d8	7.36	98	367168	24.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.80%
38) trans-1,3-Dichloropropene-	7.66	79	55254	24.57	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.28%
39) 2-Hexanone-d5	8.13	63	54366	53.41	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.82%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	122693	26.83	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	107.32%
61) 1,2-Dichlorobenzene-d4	11.67	152	157475	24.76	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.04%

7 M Q
 4/19/19
 4/20/19

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	98408	21.732	ug/L 97
3) Chloromethane	1.25	50	88955	22.605	ug/L 98
5) Vinyl chloride	1.32	62	92576	22.519	ug/L 98
6) Bromomethane	1.51	94	59995	22.816	ug/L 99
8) Chloroethane	1.58	64	63358	24.182	ug/L 99
9) Trichlorofluoromethane	1.76	101	188885	22.372	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	98002	22.035	ug/L 96
12) 1,1-Dichloroethene	2.13	96	87837	22.650	ug/L 91
13) Acetone	2.19	43	60671	48.698	ug/L 98
14) Carbon disulfide	2.31	76	207706	21.713	ug/L 99
15) Methyl Acetate	2.46	43	55703	27.392	ug/L 92
16) Methylene chloride	2.53	84	111261	23.334	ug/L 99
17) Methyl tert-butyl Ether	2.80	73	253250	27.117	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	89565	24.346	ug/L 97
19) 1,1-Dichloroethane	3.23	63	162497	25.858	ug/L 97
21) 2-Butanone	4.01	43	71089	52.637	ug/L 100
22) cis-1,2-Dichloroethene	3.96	96	105331	25.134	ug/L 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	54552	26.009	ug/L	93
25) Chloroform	4.42	83	202361	27.633	ug/L	100
27) 1,2-Dichloroethane	5.18	62	142845	27.301	ug/L	98
30) Cyclohexane	4.72	56	112353	20.088	ug/L	97
31) 1,1,1-Trichloroethane	4.66	97	152096	22.606	ug/L	99
32) Carbon tetrachloride	4.87	117	139453	21.968	ug/L	98
34) Benzene	5.14	78	367300	24.664	ug/L	100
35) Trichloroethene	5.96	95	103505	23.492	ug/L	98
36) Methylcyclohexane	6.18	83	129899	20.247	ug/L	97
40) 1,2-Dichloropropane	6.22	63	99186	25.968	ug/L #	95
41) Bromodichloromethane	6.55	83	137798	25.709	ug/L	100
42) cis-1,3-Dichloropropene	7.07	75	151455	26.291	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	159394	53.413	ug/L	99
44) Toluene	7.43	91	410091	24.427	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	138964	25.873	ug/L	98
46) 1,1,2-Trichloroethane	7.88	97	91656	26.636	ug/L	97
47) Tetrachloroethene	8.02	164	84342	21.454	ug/L	97
49) 2-Hexanone	8.18	43	108156	51.780	ug/L	96
50) Dibromochloromethane	8.29	129	112319	26.585	ug/L	96
51) 1,2-Dibromoethane	8.40	107	91048	26.681	ug/L	98
52) Chlorobenzene	8.92	112	290857	24.899	ug/L	99
53) Ethylbenzene	9.05	91	452391	23.718	ug/L	98
54) m,p-Xylene	9.18	106	170854	23.140	ug/L	97
55) o-xylene	9.59	106	177006	24.858	ug/L	97
56) Styrene	9.60	104	308375	25.362	ug/L	96
57) Isopropylbenzene	9.97	105	445275	23.467	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	116349	26.149	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	86935	26.982	ug/L	99
62) Bromoform	9.77	173	67008	26.796	ug/L	97
63) 1,3-Dichlorobenzene	11.23	146	232267	23.544	ug/L	97
64) 1,4-Dichlorobenzene	11.32	146	246634	24.247	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	236634	24.843	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	19918	26.166	ug/L #	79
67) 1,3,5-Trichlorobenzene	12.69	180	182942	22.296	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	147492	22.493	ug/L	99
69) Naphthalene	13.55	128	271738	22.440	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	150623	23.638	ug/L	99

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