

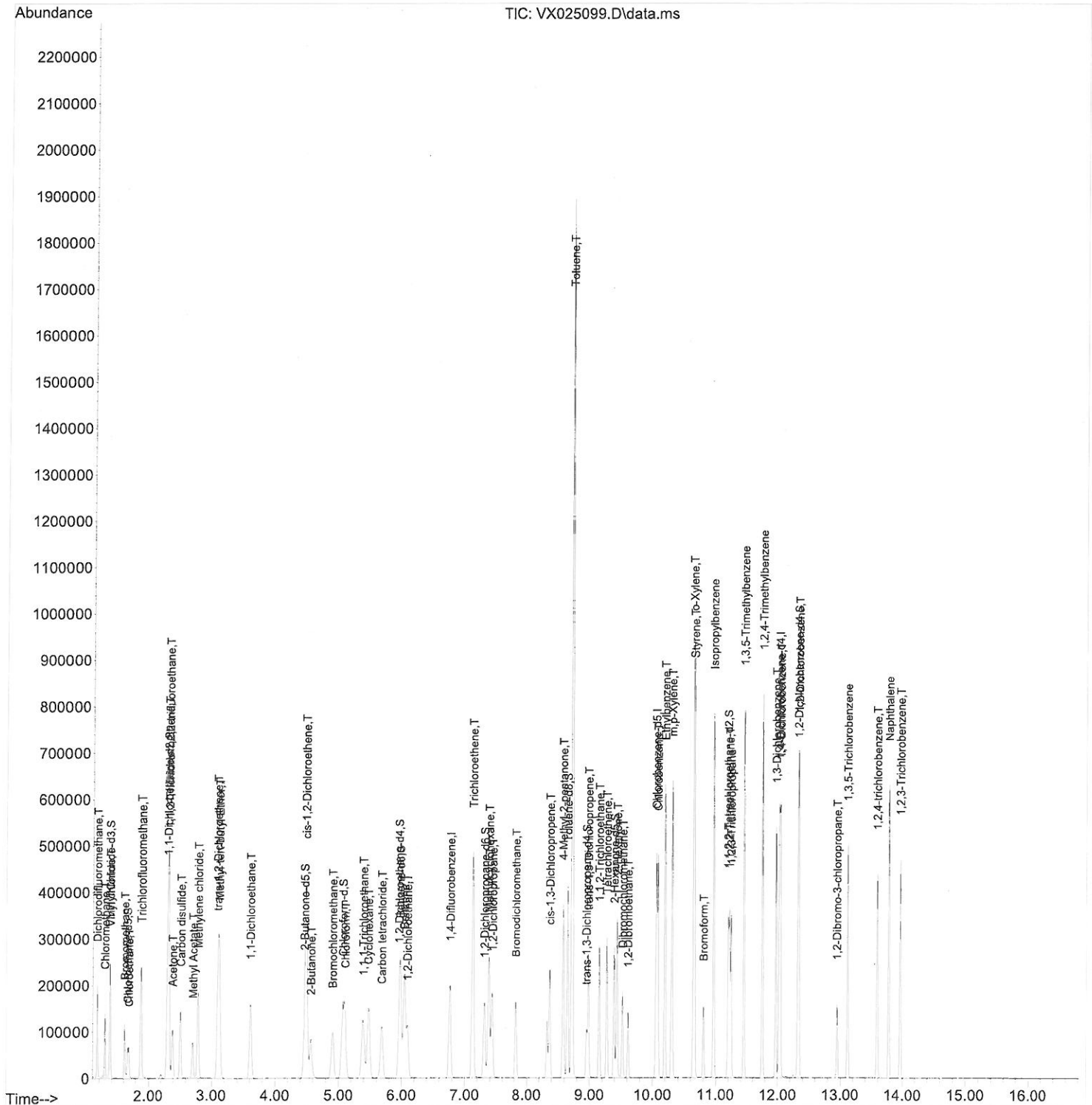
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110821\  
 Data File : VX025099.D  
 Acq On : 08 Nov 2021 16:45  
 Operator : JC/MD  
 Sample : M4464-02MEMS 10X  
 Misc : 6.59g/5.0mL/100uL/5.0mL/MSVOA\_X/MEOH  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 Client Sample Id :  
 GB7K1MEMS

## Manual Integrations APPROVED

Reviewed By : John Carlone 11/19/2021  
 Supervised By : Mahesh Dadoda 11/19/2021

Quant Time: Nov 09 04:23:38 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML110821WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Nov 09 03:59:51 2021  
 Response via : Initial Calibration



# Quantitation Report (Qedit)

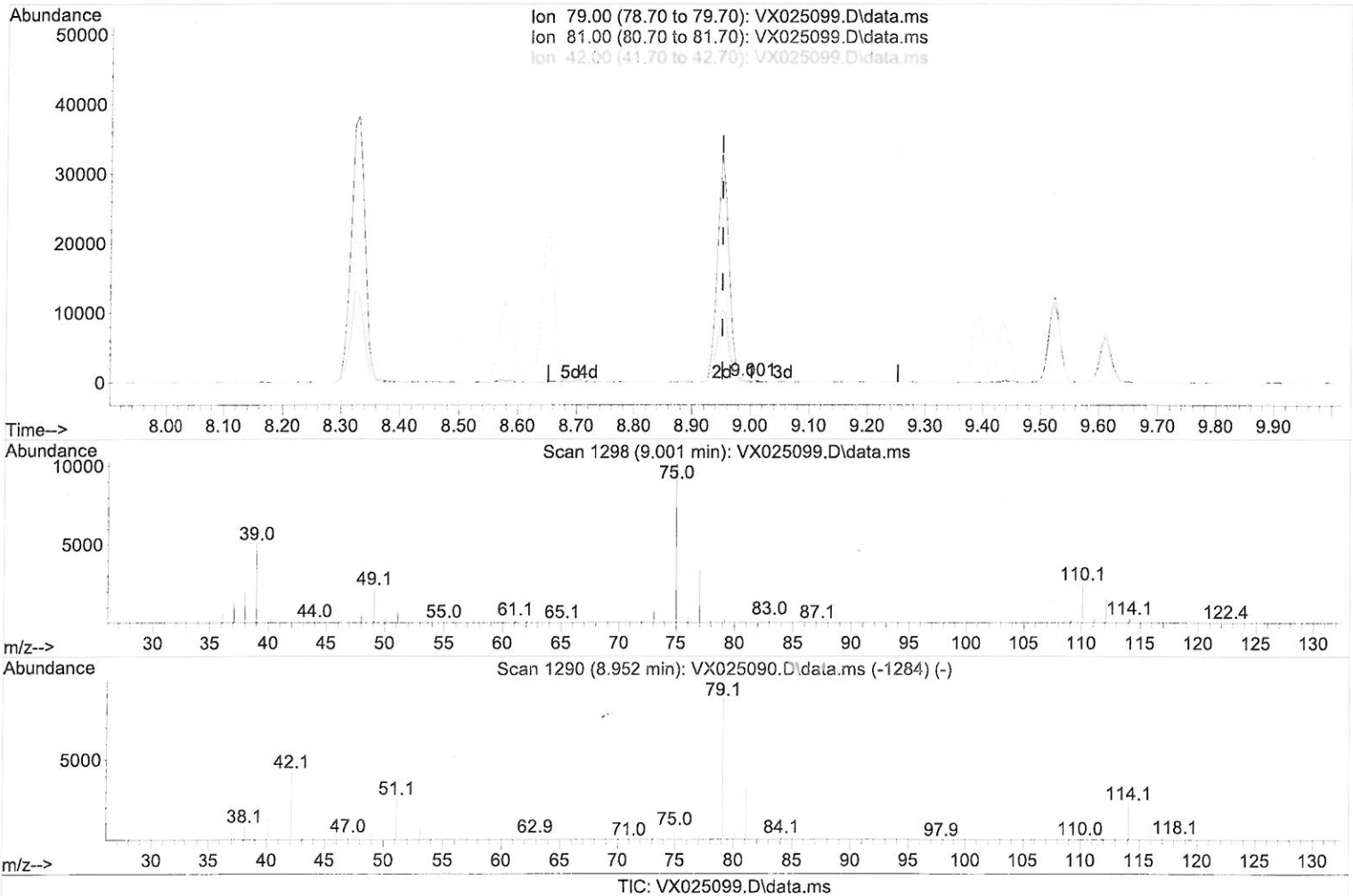
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(43) trans-1,3-Dichloropropene-d4 (S)

9.001min (+ 0.049) 0.25 ug/L

response 255

Ion	Exp%	Act%
79.00	100.00	100.00
81.00	33.30	31.37
42.00	28.20	26.27
0.00	0.00	0.00

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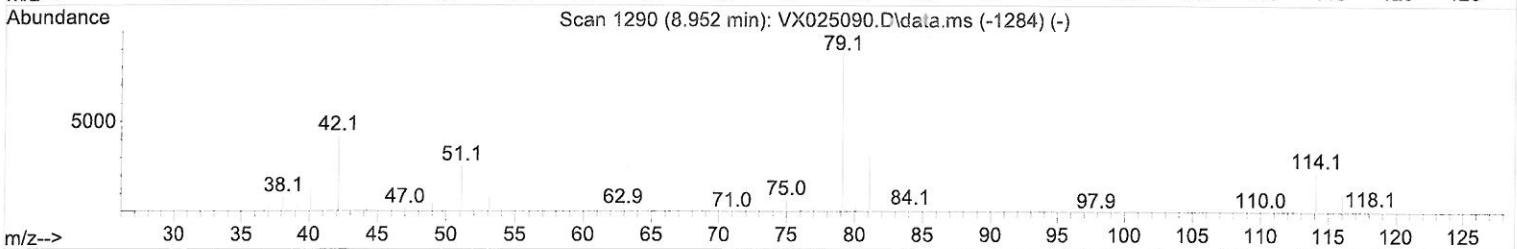
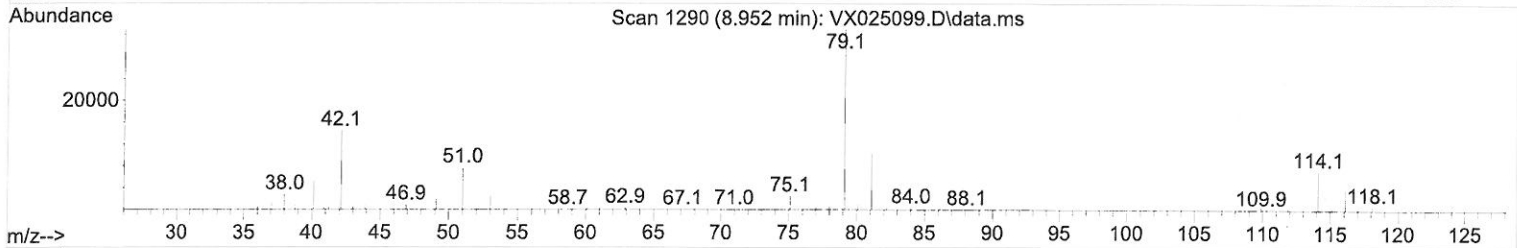
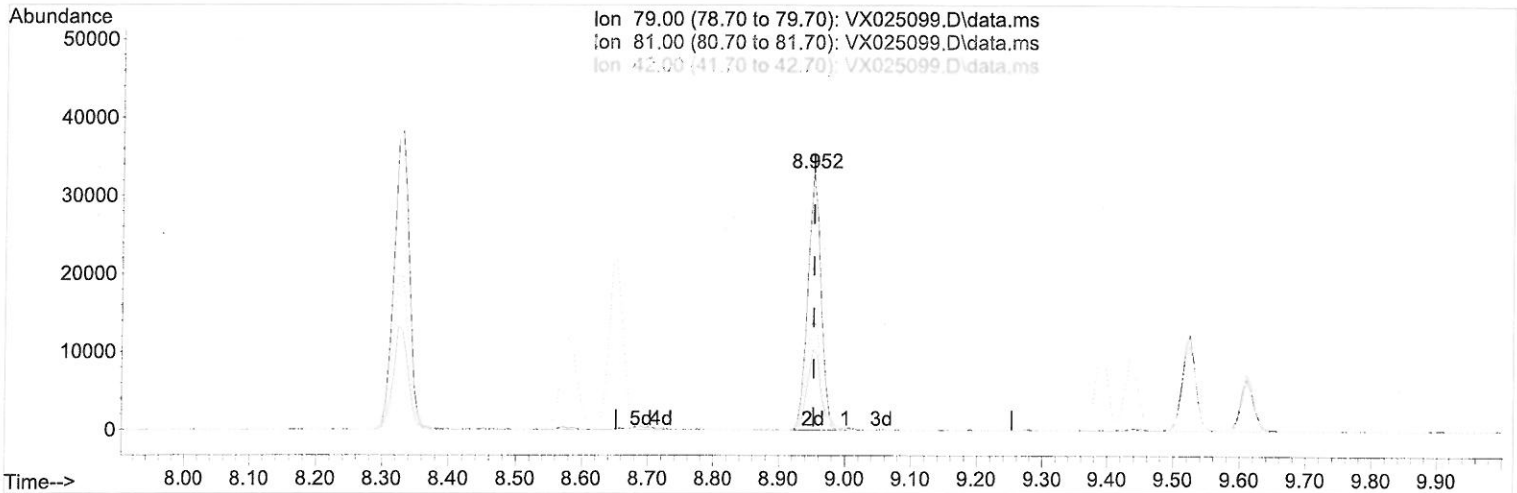
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TIC: VX025099.D\data.ms

(43) trans-1,3-Dichloropropene-d4 (S)

8.952min (-0.000) 45.27 ug/L m

response 45689

Ion	Exp%	Act%
79.00	100.00	100.00
81.00	33.30	0.18#
42.00	28.20	0.15#
0.00	0.00	0.00

MD  
 11/14/21



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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.769	114	181179	50.000	ug/L	# 0.00
28) Chlorobenzene-d5	10.055	117	180237	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	104046	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	83122	50.737	ug/L	0.00
Spiked Amount	50.000	Range 60 - 135	Recovery	= 101.480%		
7) Chloroethane-d5	1.660	69	37409	36.423	ug/L	-0.01
Spiked Amount	50.000	Range 70 - 130	Recovery	= 72.840%		
11) 1,1-Dichloroethene-d2	2.307	63	175095	55.487	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	= 110.980%		
21) 2-Butanone-d5	4.465	46	122832	109.095	ug/L	0.00
Spiked Amount	100.000	Range 40 - 130	Recovery	= 109.090%		
24) Chloroform-d	5.068	84	161009	49.991	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	= 99.980%		
26) 1,2-Dichloroethane-d4	5.958	65	99852	47.391	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	= 94.780%		
32) Benzene-d6	5.977	84	227704	35.482	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	= 70.960%		
36) 1,2-Dichloropropane-d6	7.312	67	76013	40.198	ug/L	0.00
Spiked Amount	50.000	Range 70 - 120	Recovery	= 80.400%		
41) Toluene-d8	8.653	98	227825	42.232	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	= 84.460%		
43) trans-1,3-Dichloroprop...	8.952	79	45689m	45.270	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	= 90.540%		
47) 2-Hexanone-d5	9.391	63	76720	94.982	ug/L	0.00
Spiked Amount	100.000	Range 45 - 130	Recovery	= 94.980%		
56) 1,1,2,2-Tetrachloroeth...	11.195	84	133185	50.882	ug/L	0.00
Spiked Amount	50.000	Range 65 - 120	Recovery	= 101.760%		
66) 1,2-Dichlorobenzene-d4	12.323	152	95367	46.763	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	= 93.520%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.167	85	104601	55.887	ug/L 98
3) Chloromethane	1.289	50	77951	59.262	ug/L 86
5) Vinyl chloride	1.374	62	94130	60.301	ug/L 99
6) Bromomethane	1.612	94	41212	41.399	ug/L 92
8) Chloroethane	1.685	64	31551	34.677	ug/L 97
9) Trichlorofluoromethane	1.886	101	160857	55.798	ug/L 100
10) 1,1,2-Trichloro-1,2,2-...	2.325	101	91544	62.244	ug/L 93
12) 1,1-Dichloroethene	2.319	96	76178	58.896	ug/L 86
13) Acetone	2.386	43	120776	109.015	ug/L 98
14) Carbon disulfide	2.514	76	180364	53.710	ug/L 99
15) Methyl Acetate	2.709	43	88262	57.617	ug/L # 83
16) Methylene chloride	2.788	84	86322	59.355	ug/L # 80
17) trans-1,2-Dichloroethene	3.093	96	76650	58.378	ug/L 92
18) Methyl tert-butyl Ether	3.117	73	306019	60.098	ug/L # 93
19) 1,1-Dichloroethane	3.611	63	180171	65.714	ug/L 94
20) cis-1,2-Dichloroethene	4.489	96	223911	147.248	ug/L 78
22) 2-Butanone	4.568	43	141217	107.322	ug/L 78
23) Bromochloromethane	4.904	128	36566	51.070	ug/L # 61
25) Chloroform	5.105	83	156985	51.873	ug/L 94

7 MD  
11/19/21

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.093	62	122290	52.317	ug/L	96
29) Cyclohexane	5.471	56	99440	36.047	ug/L #	80
30) 1,1,1-Trichloroethane	5.391	97	120908	37.030	ug/L #	89
31) Carbon tetrachloride	5.684	117	95321	36.400	ug/L	100
33) Benzene	6.044	78	253994	37.452	ug/L	100
34) Trichloroethene	7.129	95	185864	107.590	ug/L	97
35) Methylcyclohexane	7.385	83	110682	43.074	ug/L #	87
37) 1,2-Dichloropropane	7.440	63	68869	43.728	ug/L #	96
38) Bromodichloromethane	7.824	83	105047	44.587	ug/L #	95
39) cis-1,3-Dichloropropene	8.373	75	118539	46.632	ug/L	95
40) 4-Methyl-2-pentanone	8.580	43	235869	96.114	ug/L #	78
42) Toluene	8.720	91	1149696	178.070	ug/L	98
44) trans-1,3-Dichloropropene	8.982	75	121991	47.864	ug/L	100
45) 1,1,2-Trichloroethane	9.153	97	69515	47.855	ug/L	95
46) Tetrachloroethene	9.275	164	45874	47.955	ug/L	95
48) 2-Hexanone	9.439	43	195537	96.825	ug/L #	78
49) Dibromochloromethane	9.525	129	72837	47.260	ug/L	99
50) 1,2-Dibromoethane	9.610	107	74637	48.133	ug/L	99
51) Chlorobenzene	10.080	112	182290	48.202	ug/L	92
52) Ethylbenzene	10.195	91	351362	50.617	ug/L	98
53) m,p-Xylene	10.305	106	128789	51.007	ug/L	98
54) o-Xylene	10.647	106	133766	55.984	ug/L	100
55) Styrene	10.659	104	226794	54.522	ug/L	99
57) 1,1,2,2-Tetrachloroethane	11.220	83	138093	53.148	ug/L	95
59) Bromoform	10.805	173	51801	42.361	ug/L #	96
60) Isopropylbenzene	10.964	105	404312	46.617	ug/L	99
61) 1,2,3-Trichloropropane	11.244	75	120058	47.582	ug/L	92
62) 1,3,5-Trimethylbenzene	11.457	105	354829	49.397	ug/L	99
63) 1,2,4-Trimethylbenzene	11.756	105	355987	50.532	ug/L	96
64) 1,3-Dichlorobenzene	11.970	146	156924	49.970	ug/L	96
65) 1,4-Dichlorobenzene	12.043	146	156784	49.107	ug/L	98
67) 1,2-Dichlorobenzene	12.335	146	156577	48.316	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.945	75	34677	44.255	ug/L	91
69) 1,3,5-Trichlorobenzene	13.116	180	107881	47.914	ug/L	99
70) 1,2,4-trichlorobenzene	13.591	180	92279	47.855	ug/L	100
71) Naphthalene	13.780	128	366954	52.887	ug/L	98
72) 1,2,3-Trichlorobenzene	13.963	180	95722	50.599	ug/L	99

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