

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021225\
 Data File : VU063256.D
 Acq On : 12 Feb 2025 15:55
 Operator : MD/SY
 Sample : Q1168-09
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT1-2025

Quant Time: Feb 13 03:49:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U021025DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Feb 13 03:48:32 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 02/17/2025
 Supervised By :Mahesh Dadoda 02/17/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	6.107	96	45990	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	13548	0.893	ug/l	0.00
Spiked Amount 1.000			Recovery	=	89.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	14191	0.900	ug/l	0.00
Spiked Amount 1.000			Recovery	=	90.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	6129	0.410	ug/l	96
3) Chloromethane	1.518	50	7403	0.430	ug/l	100
4) Vinyl Chloride	1.599	62	7277	0.427	ug/l	100
5) Bromomethane	1.846	94	3989	0.479	ug/l	98
6) Chloroethane	1.923	64	4608	0.430	ug/l	95
7) Trichlorofluoromethane	2.129	101	8710	0.432	ug/l	93
8) 1,1,2-Trichloro-1,2,2-...	2.570	101	5168	0.451	ug/l	96
9) 1,1-Dichloroethene	2.570	96	4985	0.427	ug/l	92
10) Iodomethane	2.711	142	6895	0.376	ug/l	99
11) Allyl Chloride	2.914	41	6752	0.403	ug/l	98
12) Acrylonitrile	3.335	53	1783m	0.663	ug/l	
13) Acetone	2.618	43	4495	2.172	ug/l	98
14) Carbon Disulfide	2.782	76	17077	0.419	ug/l	99
15) Methylene Chloride	3.033	84	6484	0.450	ug/l	94
16) trans-1,2-Dichloroethene	3.345	96	5282	0.397	ug/l	90
17) 1,1-Dichloroethane	3.859	63	10127	0.403	ug/l	98
18) 2-Butanone	4.734	43	6633m	2.014	ug/l	
19) Cyclohexane	5.377	56	7481m	0.371	ug/l	
20) Methylcyclohexane	6.750	83	7051	0.353	ug/l	88
21) 2,2-Dichloropropane	4.653	77	8088	0.413	ug/l	96
22) cis-1,2-Dichloroethene	4.663	96	5788	0.402	ug/l	99
23) Diethyl Ether	2.367	59	4108	0.410	ug/l	89
24) tert-Butyl Alcohol	3.171	59	9421	7.736	ug/l #	79
25) Methyl tert-Butyl Ether	3.351	73	11958	0.410	ug/l	98
26) Bromochloromethane	4.962	128	2522	0.401	ug/l	98
27) Chloroform	5.078	83	10551	0.417	ug/l	100
28) 1,1,1-Trichloroethane	5.303	97	8496	0.414	ug/l	97
29) 1,1-Dichloropropene	5.521	75	7018	0.382	ug/l	97
30) Carbon Tetrachloride	5.512	117	6952	0.395	ug/l	90
31) Isopropyl Ether	3.981	45	13183	0.368	ug/l	91
32) Ethyl-t-butyl ether	4.486	59	11750	0.361	ug/l	97
33) Tert-Amyl methyl ether	5.930	73	9538m	0.335	ug/l	
34) Propionitrile	4.808	54	1832m	1.844	ug/l	
35) Benzene	5.769	78	21625	0.383	ug/l	94
36) 1,2-Dichloroethane	5.788	62	6347	0.389	ug/l	99
37) Trichloroethene	6.537	130	5066	0.377	ug/l	80
38) 1,2-Dichloropropane	6.785	63	5742	0.388	ug/l	95
39) Methacrylonitrile	5.004	41	1068m	0.289	ug/l	
40) Methyl acrylate	4.888	55	1721m	0.252	ug/l	
41) Tetrahydrofuran	5.055	42	1940m	0.901	ug/l	
42) 1-Chlorobutane	5.451	56	9174	0.365	ug/l	93
43) Dibromomethane	6.910	93	3058	0.408	ug/l	94
44) Bromodichloromethane	7.097	83	7282	0.418	ug/l #	85

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45) 4-Methyl-2-Pentanone	7.782	43	13187	1.679	ug/l	94
46) t-1,4-Dichloro-2-butene	10.830	75	2223m	0.602	ug/l	
47) Methyl methacrylate	6.962	69	3973	0.630	ug/l	95
48) Ethyl methacrylate	8.335	69	3647	0.308	ug/l	96
49) Toluene	7.965	92	11563	0.356	ug/l	99
50) t-1,3-Dichloropropene	8.206	75	5726	0.359	ug/l	99
51) cis-1,3-Dichloropropene	7.598	75	7161	0.363	ug/l	95
52) 1,1,2-Trichloroethane	8.396	97	4074	0.403	ug/l #	90
53) 1,3-Dichloropropane	8.566	76	7306	0.408	ug/l	93
54) 2-Hexanone	8.685	43	8575m	1.600	ug/l	
55) Dibromochloromethane	8.801	129	4514	0.389	ug/l	99
56) 1,2-Dibromoethane	8.920	107	3854	0.407	ug/l	84
58) Tetrachloroethene	8.547	164	4498	0.406	ug/l #	92
59) Chlorobenzene	9.444	112	13046	0.380	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.521	131	4936	0.400	ug/l	98
61) Pentachloroethane	11.415	117	4371	0.397	ug/l	94
62) Hexachloroethane	12.463	117	3474	0.357	ug/l	95
63) Ethyl Benzene	9.563	91	19315	0.327	ug/l	96
64) m/p-Xylenes	9.688	106	13584	0.615	ug/l	96
65) o-Xylene	10.094	106	6536	0.302	ug/l	94
66) Styrene	10.110	104	9785	0.284	ug/l	98
67) Bromoform	10.287	173	2365	0.359	ug/l #	94
69) Isopropylbenzene	10.476	105	16515	0.325	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.775	83	5219	0.383	ug/l #	96
71) 1,2,3-Trichloropropane	10.817	75	3659m	0.358	ug/l	
72) Bromobenzene	10.775	156	4863	0.355	ug/l	88
73) n-propylbenzene	10.901	120	4372	0.300	ug/l	86
74) 2-Chlorotoluene	10.981	126	4612	0.344	ug/l	90
75) 1,3,5-Trimethylbenzene	11.081	105	12904	0.274	ug/l	94
76) 4-Chlorotoluene	11.094	126	4229	0.307	ug/l	93
77) tert-Butylbenzene	11.409	119	14542	0.305	ug/l	97
78) 1,2,4-Trimethylbenzene	11.463	105	12207	0.261	ug/l	91
79) sec-Butylbenzene	11.634	105	17810	0.294	ug/l	98
81) p-Isopropyltoluene	11.785	119	13443	0.281	ug/l	99
82) 1,3-Dichlorobenzene	11.743	146	8963	0.337	ug/l	97
83) 1,4-Dichlorobenzene	11.833	146	9115	0.351	ug/l	97
84) n-Butylbenzene	12.206	91	11817	0.275	ug/l	99
85) 1,2-Dichlorobenzene	12.206	146	9181	0.360	ug/l	95
86) 1,2-Dibromo-3-Chloropr...	12.994	75	520m	0.272	ug/l	
87) 1,2,4-Trichlorobenzene	13.843	180	3511	0.282	ug/l	96
88) Hexachlorobutadiene	14.013	225	3638	0.409	ug/l	96
89) Naphthalene	14.103	128	5241m	0.261	ug/l	
90) 1,2,3-Trichlorobenzene	14.331	180	3393	0.278	ug/l	98

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

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