

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021125\
 Data File : VU063246.D
 Acq On : 11 Feb 2025 19:29
 Operator : MD/SY
 Sample : Q1168-08
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT1-2025

Quant Time: Feb 12 04:13:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U021025DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Feb 12 04:10:16 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Amit Patel 02/12/2025
 Supervised By :Mahesh Dadoda 02/12/2025

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

Internal Standards						
1) Fluorobenzene	6.107	96	51974	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	15706	0.916	ug/l	0.00
Spiked Amount 1.000			Recovery	=	92.000%	
68) 1,2-Dichlorobenzene-d4	12.184	152	16519	0.927	ug/l	0.00
Spiked Amount 1.000			Recovery	=	93.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	17505	1.037	ug/l	99
3) Chloromethane	1.518	50	20216	1.040	ug/l	98
4) Vinyl Chloride	1.599	62	20299	1.055	ug/l	98
5) Bromomethane	1.843	94	10530	1.120	ug/l	99
6) Chloroethane	1.923	64	12728	1.050	ug/l	97
7) Trichlorofluoromethane	2.129	101	23077	1.012	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.570	101	13388	1.034	ug/l	99
9) 1,1-Dichloroethene	2.570	96	13171	0.999	ug/l	99
10) Iodomethane	2.711	142	21268	1.026	ug/l	98
11) Allyl Chloride	2.914	41	18483	0.976	ug/l	96
12) Acrylonitrile	3.325	53	5955	1.958	ug/l	93
13) Acetone	2.618	43	11679	4.994	ug/l	97
14) Carbon Disulfide	2.782	76	45578	0.989	ug/l	98
15) Methylene Chloride	3.033	84	16716	1.026	ug/l	96
16) trans-1,2-Dichloroethene	3.345	96	15504	1.030	ug/l	97
17) 1,1-Dichloroethane	3.856	63	28786	1.015	ug/l	99
18) 2-Butanone	4.714	43	18864m	5.068	ug/l	
19) Cyclohexane	5.377	56	21722m	0.953	ug/l	
20) Methylcyclohexane	6.753	83	20763	0.919	ug/l	99
21) 2,2-Dichloropropane	4.650	77	21849	0.987	ug/l	98
22) cis-1,2-Dichloroethene	4.656	96	16607	1.021	ug/l	97
23) Diethyl Ether	2.367	59	10851	0.959	ug/l	97
24) tert-Butyl Alcohol	3.168	59	18169	13.201	ug/l #	90
25) Methyl tert-Butyl Ether	3.351	73	32254	0.979	ug/l	96
26) Bromochloromethane	4.968	128	7198	1.013	ug/l	98
27) Chloroform	5.074	83	29036	1.014	ug/l	99
28) 1,1,1-Trichloroethane	5.303	97	24100	1.039	ug/l	97
29) 1,1-Dichloropropene	5.515	75	20156	0.970	ug/l	97
30) Carbon Tetrachloride	5.512	117	19692	0.990	ug/l	96
31) Isopropyl Ether	3.978	45	39581	0.977	ug/l	97
32) Ethyl-t-butyl ether	4.486	59	35125	0.954	ug/l	98
33) Tert-Amyl methyl ether	5.930	73	30535	0.949	ug/l	98
34) Propionitrile	4.788	54	5726m	5.101	ug/l	
35) Benzene	5.766	78	62957	0.986	ug/l	100
36) 1,2-Dichloroethane	5.785	62	18950	1.028	ug/l	99
37) Trichloroethene	6.534	130	15469	1.019	ug/l	96
38) 1,2-Dichloropropane	6.782	63	17038	1.019	ug/l	100
39) Methacrylonitrile	4.978	41	4066	0.972	ug/l #	89
40) Methyl acrylate	4.872	55	7194m	0.933	ug/l	
41) Tetrahydrofuran	5.052	42	5143m	2.114	ug/l	
42) 1-Chlorobutane	5.447	56	27157	0.956	ug/l	98
43) Dibromomethane	6.910	93	8503	1.005	ug/l	97
44) Bromodichloromethane	7.094	83	20136	1.022	ug/l	98

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45) 4-Methyl-2-Pentanone	7.782	43	39261	4.425	ug/l	97
46) t-1,4-Dichloro-2-butene	10.820	75	8135m	1.950	ug/l	
47) Methyl methacrylate	6.959	69	13040	1.829	ug/l	97
48) Ethyl methacrylate	8.328	69	11801	0.882	ug/l	99
49) Toluene	7.962	92	35801	0.975	ug/l	98
50) t-1,3-Dichloropropene	8.203	75	16798	0.931	ug/l	97
51) cis-1,3-Dichloropropene	7.602	75	20404	0.916	ug/l	97
52) 1,1,2-Trichloroethane	8.389	97	11925	1.045	ug/l	96
53) 1,3-Dichloropropane	8.566	76	20040	0.989	ug/l	95
54) 2-Hexanone	8.679	43	26203m	4.327	ug/l	
55) Dibromochloromethane	8.798	129	13213	1.006	ug/l	99
56) 1,2-Dibromoethane	8.917	107	10519	0.983	ug/l	99
58) Tetrachloroethene	8.544	164	13132	1.049	ug/l	97
59) Chlorobenzene	9.441	112	38104	0.983	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.524	131	14355	1.030	ug/l	97
61) Pentachloroethane	11.415	117	11604	0.932	ug/l	99
62) Hexachloroethane	12.463	117	10423	0.947	ug/l	98
63) Ethyl Benzene	9.560	91	61150	0.915	ug/l	98
64) m/p-Xylenes	9.685	106	44567	1.785	ug/l	100
65) o-Xylene	10.090	106	21490	0.879	ug/l	93
66) Styrene	10.110	104	33754	0.868	ug/l	98
67) Bromoform	10.280	173	7121	0.956	ug/l	99
69) Isopropylbenzene	10.473	105	51435	0.895	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.772	83	14934	0.971	ug/l	98
71) 1,2,3-Trichloropropane	10.817	75	10599m	0.917	ug/l	
72) Bromobenzene	10.775	156	15702	1.014	ug/l	96
73) n-propylbenzene	10.897	120	14495	0.881	ug/l	96
74) 2-Chlorotoluene	10.978	126	13394	0.883	ug/l	93
75) 1,3,5-Trimethylbenzene	11.077	105	45393	0.853	ug/l	99
76) 4-Chlorotoluene	11.090	126	13466	0.866	ug/l	98
77) tert-Butylbenzene	11.409	119	47780	0.887	ug/l	99
78) 1,2,4-Trimethylbenzene	11.457	105	42279	0.800	ug/l	99
79) sec-Butylbenzene	11.634	105	61994	0.904	ug/l	98
80) Nitrobenzene	13.241	77	1361m	3.720	ug/l	
81) p-Isopropyltoluene	11.782	119	45763	0.846	ug/l	99
82) 1,3-Dichlorobenzene	11.740	146	27959	0.931	ug/l	95
83) 1,4-Dichlorobenzene	11.830	146	27447	0.934	ug/l	99
84) n-Butylbenzene	12.203	91	40948	0.844	ug/l	97
85) 1,2-Dichlorobenzene	12.206	146	26866	0.931	ug/l	97
86) 1,2-Dibromo-3-Chloropr...	12.991	75	1672	0.774	ug/l	85
87) 1,2,4-Trichlorobenzene	13.836	180	12041	0.856	ug/l	97
88) Hexachlorobutadiene	14.010	225	9405	0.935	ug/l	95
89) Naphthalene	14.087	128	17734m	0.782	ug/l	
90) 1,2,3-Trichlorobenzene	14.325	180	12281	0.892	ug/l	96

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

