

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021025\
 Data File : VU063221.D
 Acq On : 10 Feb 2025 13:58
 Operator : MD/SY
 Sample : VSTDICC002
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC002

Manual Integrations
 APPROVED

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

Quant Time: Feb 11 03:58:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U021025DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Feb 11 03:56:39 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.103	96	53430	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.624	95	17627	1.000	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.000%	
68) 1,2-Dichlorobenzene-d4	12.184	152	18679	1.019	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.377	85	35165	2.026	ug/l	97
3) Chloromethane	1.515	50	41607	2.081	ug/l	97
4) Vinyl Chloride	1.596	62	39263	1.985	ug/l	100
5) Bromomethane	1.821	94	13311	1.455	ug/l	99
6) Chloroethane	1.904	64	24932	2.001	ug/l	97
7) Trichlorofluoromethane	2.116	101	48274	2.060	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.563	101	27021	2.031	ug/l	98
9) 1,1-Dichloroethene	2.563	96	27058	1.996	ug/l	97
10) Iodomethane	2.705	142	41566	1.951	ug/l	100
11) Allyl Chloride	2.907	41	39456	2.026	ug/l	99
12) Acrylonitrile	3.316	53	12654	4.107	ug/l #	86
13) Acetone	2.618	43	23537	9.790	ug/l	93
14) Carbon Disulfide	2.776	76	94065	1.985	ug/l	98
15) Methylene Chloride	3.026	84	33474	1.999	ug/l	97
16) trans-1,2-Dichloroethene	3.338	96	30710	1.985	ug/l	99
17) 1,1-Dichloroethane	3.849	63	59018	2.024	ug/l	98
18) 2-Butanone	4.702	43	35904	9.245	ug/l	100
19) Cyclohexane	5.374	56	45197m	1.929	ug/l	
20) Methylcyclohexane	6.750	83	44636	1.921	ug/l	96
21) 2,2-Dichloropropane	4.647	77	44095	1.938	ug/l	99
22) cis-1,2-Dichloroethene	4.653	96	32738	1.958	ug/l	98
23) Diethyl Ether	2.364	59	22999	1.977	ug/l	98
24) tert-Butyl Alcohol	3.178	59	28594	18.780	ug/l #	86
25) Methyl tert-Butyl Ether	3.348	73	66015	1.950	ug/l	98
26) Bromochloromethane	4.959	128	14111	1.931	ug/l	96
27) Chloroform	5.075	83	58030	1.972	ug/l	97
28) 1,1,1-Trichloroethane	5.300	97	47900	2.009	ug/l	99
29) 1,1-Dichloropropene	5.512	75	43166	2.022	ug/l	99
30) Carbon Tetrachloride	5.509	117	40459	1.979	ug/l	99
31) Isopropyl Ether	3.975	45	81829	1.966	ug/l	97
32) Ethyl-t-butyl ether	4.483	59	73881	1.951	ug/l	97
33) Tert-Amyl methyl ether	5.927	73	62542	1.891	ug/l	97
34) Propionitrile	4.776	54	12222	10.151	ug/l #	92
35) Benzene	5.763	78	132758	2.022	ug/l	98
36) 1,2-Dichloroethane	5.782	62	38273	2.020	ug/l	100
37) Trichloroethene	6.531	130	31430	2.013	ug/l	98
38) 1,2-Dichloropropane	6.779	63	34066	1.983	ug/l	99
39) Methacrylonitrile	4.968	41	8407	1.955	ug/l	97
40) Methyl acrylate	4.856	55	16003m	2.038	ug/l	
41) Tetrahydrofuran	5.049	42	10378	4.106	ug/l #	88
42) 1-Chlorobutane	5.444	56	58462	2.001	ug/l	98
43) Dibromomethane	6.910	93	17367	1.996	ug/l	95
44) Bromodichloromethane	7.094	83	41213	2.035	ug/l	99

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45) 4-Methyl-2-Pentanone	7.782	43	88945	9.751	ug/l	98
46) t-1,4-Dichloro-2-butene	10.820	75	18852m	4.176	ug/l	
47) Methyl methacrylate	6.955	69	27411	3.740	ug/l	95
48) Ethyl methacrylate	8.325	69	26103	1.897	ug/l	96
49) Toluene	7.959	92	75472	1.999	ug/l	100
50) t-1,3-Dichloropropene	8.203	75	36608	1.974	ug/l	98
51) cis-1,3-Dichloropropene	7.599	75	45949	2.006	ug/l	97
52) 1,1,2-Trichloroethane	8.390	97	23377	1.993	ug/l	98
53) 1,3-Dichloropropane	8.566	76	41970	2.015	ug/l	100
54) 2-Hexanone	8.679	43	61467	9.874	ug/l	97
55) Dibromochloromethane	8.798	129	26319	1.950	ug/l	98
56) 1,2-Dibromoethane	8.914	107	21639	1.967	ug/l	100
58) Tetrachloroethene	8.544	164	25204	1.959	ug/l	98
59) Chlorobenzene	9.438	112	79653	1.999	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.525	131	28159	1.966	ug/l	98
61) Pentachloroethane	11.415	117	26815	2.096	ug/l	95
62) Hexachloroethane	12.463	117	22824	2.017	ug/l	99
63) Ethyl Benzene	9.560	91	133142	1.938	ug/l	99
64) m/p-Xylenes	9.685	106	101491	3.954	ug/l	98
65) o-Xylene	10.090	106	50127	1.995	ug/l	97
66) Styrene	10.106	104	77021	1.926	ug/l	100
67) Bromoform	10.283	173	15177	1.981	ug/l	97
69) Isopropylbenzene	10.476	105	116075	1.965	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.772	83	32740	2.071	ug/l	99
71) 1,2,3-Trichloropropane	10.814	75	26243m	2.189	ug/l	
72) Bromobenzene	10.775	156	31558	1.983	ug/l	95
73) n-propylbenzene	10.897	120	33538	1.983	ug/l	96
74) 2-Chlorotoluene	10.978	126	31255	2.005	ug/l	97
75) 1,3,5-Trimethylbenzene	11.078	105	109465	2.000	ug/l	99
76) 4-Chlorotoluene	11.090	126	31781	1.988	ug/l	98
77) tert-Butylbenzene	11.409	119	110066	1.988	ug/l	100
78) 1,2,4-Trimethylbenzene	11.460	105	107777	1.985	ug/l	99
79) sec-Butylbenzene	11.634	105	140803	1.998	ug/l	100
80) Nitrobenzene	13.219	77	3216m	10.179	ug/l	
81) p-Isopropyltoluene	11.785	119	110370	1.984	ug/l	100
82) 1,3-Dichlorobenzene	11.737	146	62914	2.038	ug/l	99
83) 1,4-Dichlorobenzene	11.827	146	62036	2.055	ug/l	99
84) n-Butylbenzene	12.200	91	96950	1.933	ug/l	99
85) 1,2-Dichlorobenzene	12.203	146	61011	2.057	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.994	75	4203	1.894	ug/l	98
87) 1,2,4-Trichlorobenzene	13.836	180	27020	1.867	ug/l	97
88) Hexachlorobutadiene	14.010	225	21652	2.094	ug/l	99
89) Naphthalene	14.084	128	40458	1.891	ug/l	98
90) 1,2,3-Trichlorobenzene	14.322	180	25501	1.801	ug/l	99

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

