

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021025\
 Data File : VU063220.D
 Acq On : 10 Feb 2025 13:23
 Operator : MD/SY
 Sample : VSTDICC001
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

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

Quant Time: Feb 11 03:57:58 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	6.107	96	51567	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	16040	0.943	ug/l	0.00
Spiked Amount 1.000			Recovery	=	94.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	16904	0.956	ug/l	0.00
Spiked Amount 1.000			Recovery	=	96.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	18689	1.115	ug/l	97
3) Chloromethane	1.518	50	20645	1.070	ug/l	98
4) Vinyl Chloride	1.599	62	20135	1.055	ug/l	99
5) Bromomethane	1.846	94	10384	1.176	ug/l	96
6) Chloroethane	1.924	64	13381	1.113	ug/l	95
7) Trichlorofluoromethane	2.129	101	24378	1.078	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.567	101	14009	1.091	ug/l	98
9) 1,1-Dichloroethene	2.570	96	14118	1.079	ug/l	97
10) Iodomethane	2.711	142	21185	1.030	ug/l	98
11) Allyl Chloride	2.914	41	20123	1.071	ug/l	97
12) Acrylonitrile	3.322	53	5799	1.950	ug/l	99
13) Acetone	2.618	43	12193	5.255	ug/l	98
14) Carbon Disulfide	2.782	76	48738	1.065	ug/l	99
15) Methylene Chloride	3.033	84	17173	1.063	ug/l	95
16) trans-1,2-Dichloroethene	3.345	96	15731	1.054	ug/l	98
17) 1,1-Dichloroethane	3.856	63	30538	1.085	ug/l	98
18) 2-Butanone	4.711	43	18530m	4.944	ug/l	
19) Cyclohexane	5.374	56	21832m	0.965	ug/l	
20) Methylcyclohexane	6.753	83	23086	1.029	ug/l	99
21) 2,2-Dichloropropane	4.650	77	23852	1.086	ug/l	98
22) cis-1,2-Dichloroethene	4.657	96	17134	1.062	ug/l	98
23) Diethyl Ether	2.367	59	11921	1.062	ug/l	95
24) tert-Butyl Alcohol	3.165	59	19963	11.656	ug/l #	89
25) Methyl tert-Butyl Ether	3.351	73	33609	1.029	ug/l	98
26) Bromochloromethane	4.962	128	7742	1.098	ug/l	96
27) Chloroform	5.075	83	30302	1.067	ug/l	94
28) 1,1,1-Trichloroethane	5.300	97	24038	1.045	ug/l	96
29) 1,1-Dichloropropene	5.518	75	21427	1.040	ug/l	99
30) Carbon Tetrachloride	5.512	117	21505	1.090	ug/l	90
31) Isopropyl Ether	3.978	45	40509	1.008	ug/l	96
32) Ethyl-t-butyl ether	4.486	59	35372	0.968	ug/l	98
33) Tert-Amyl methyl ether	5.927	73	31129	0.975	ug/l	99
34) Propionitrile	4.782	54	5038m	4.335	ug/l	
35) Benzene	5.766	78	65980	1.041	ug/l	99
36) 1,2-Dichloroethane	5.788	62	19157	1.048	ug/l	97
37) Trichloroethene	6.534	130	16013	1.063	ug/l	97
38) 1,2-Dichloropropane	6.782	63	17158	1.035	ug/l	93
39) Methacrylonitrile	4.978	41	3478	0.838	ug/l #	84
40) Methyl acrylate	4.866	55	7528m	0.993	ug/l	
41) Tetrahydrofuran	5.049	42	4693	1.924	ug/l	91
42) 1-Chlorobutane	5.448	56	28598	1.014	ug/l	99
43) Dibromomethane	6.907	93	8944	1.065	ug/l	93
44) Bromodichloromethane	7.094	83	20720	1.060	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.782	43	39981	4.541	ug/l	96
46) t-1,4-Dichloro-2-butene	10.820	75	8630m	1.981	ug/l	
47) Methyl methacrylate	6.956	69	12987	1.836	ug/l	98
48) Ethyl methacrylate	8.328	69	11711	0.882	ug/l	100
49) Toluene	7.962	92	36357	0.998	ug/l	100
50) t-1,3-Dichloropropene	8.206	75	17681	0.988	ug/l	98
51) cis-1,3-Dichloropropene	7.599	75	22033	0.997	ug/l	99
52) 1,1,2-Trichloroethane	8.393	97	11610	1.025	ug/l	97
53) 1,3-Dichloropropane	8.566	76	21023	1.046	ug/l	99
54) 2-Hexanone	8.679	43	28078m	4.673	ug/l	
55) Dibromochloromethane	8.801	129	13259	1.018	ug/l	98
56) 1,2-Dibromoethane	8.917	107	10628	1.001	ug/l	94
58) Tetrachloroethene	8.544	164	13296	1.071	ug/l	95
59) Chlorobenzene	9.441	112	38774	1.008	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.525	131	14393	1.041	ug/l	99
61) Pentachloroethane	11.418	117	12686	1.027	ug/l	94
62) Hexachloroethane	12.463	117	11074	1.014	ug/l	93
63) Ethyl Benzene	9.560	91	63398	0.956	ug/l	99
64) m/p-Xylenes	9.685	106	45748	1.847	ug/l	99
65) o-Xylene	10.090	106	23138	0.954	ug/l	100
66) Styrene	10.110	104	34785	0.901	ug/l	99
67) Bromoform	10.280	173	7192	0.973	ug/l #	97
69) Isopropylbenzene	10.473	105	53372	0.936	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.772	83	15680	1.027	ug/l	97
71) 1,2,3-Trichloropropane	10.814	75	11462m	0.991	ug/l	
72) Bromobenzene	10.775	156	15611	1.016	ug/l	95
73) n-propylbenzene	10.898	120	14761	0.904	ug/l	95
74) 2-Chlorotoluene	10.975	126	14317	0.952	ug/l	95
75) 1,3,5-Trimethylbenzene	11.078	105	48403	0.916	ug/l	99
76) 4-Chlorotoluene	11.090	126	15039	0.975	ug/l	89
77) tert-Butylbenzene	11.409	119	50914	0.953	ug/l	98
78) 1,2,4-Trimethylbenzene	11.460	105	46689	0.891	ug/l	100
79) sec-Butylbenzene	11.634	105	63226	0.930	ug/l	99
80) Nitrobenzene	13.232	77	1014	5.911	ug/l #	57
81) p-Isopropyltoluene	11.785	119	48578	0.905	ug/l	99
82) 1,3-Dichlorobenzene	11.737	146	28406	0.953	ug/l	98
83) 1,4-Dichlorobenzene	11.830	146	26529	0.910	ug/l	94
84) n-Butylbenzene	12.200	91	42404	0.876	ug/l	97
85) 1,2-Dichlorobenzene	12.203	146	27742	0.969	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.997	75	2103	0.982	ug/l	89
87) 1,2,4-Trichlorobenzene	13.836	180	12695	0.909	ug/l	99
88) Hexachlorobutadiene	14.010	225	10179	1.020	ug/l	97
89) Naphthalene	14.090	128	17271	1.192	ug/l	97
90) 1,2,3-Trichlorobenzene	14.325	180	12218	0.894	ug/l	96

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

