

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021025\
 Data File : VU063225.D
 Acq On : 10 Feb 2025 16:45
 Operator : MD/SY
 Sample : VSTDICV010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICSVU021025

Quant Time: Feb 11 04:20:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U021025DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Feb 11 04:17:17 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	6.103	96	54746	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.624	95	23243	1.287	ug/l	0.00
Spiked Amount 1.000			Recovery	=	129.000%	
68) 1,2-Dichlorobenzene-d4	12.184	152	20943	1.115	ug/l	0.00
Spiked Amount 1.000			Recovery	=	112.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.377	85	122859	6.907	ug/l	99
3) Chloromethane	1.515	50	158995	7.762	ug/l	99
4) Vinyl Chloride	1.599	62	173502	8.561	ug/l	99
5) Bromomethane	1.821	94	55063	5.874	ug/l	99
6) Chloroethane	1.898	64	111524	8.736	ug/l	99
7) Trichlorofluoromethane	2.113	101	220887	9.197	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.560	101	142270	10.436	ug/l	99
9) 1,1-Dichloroethene	2.560	96	143602	10.339	ug/l	99
10) Iodomethane	2.702	142	204632	9.372	ug/l	100
11) Allyl Chloride	2.904	41	219588	11.005	ug/l	97
12) Acrylonitrile	3.300	53	166008	51.821	ug/l	98
13) Acetone	2.615	43	116503	47.295	ug/l	99
14) Carbon Disulfide	2.772	76	421701	8.683	ug/l	100
15) Methylene Chloride	3.026	84	165284	9.632	ug/l	99
16) trans-1,2-Dichloroethene	3.335	96	154618	9.754	ug/l	97
17) 1,1-Dichloroethane	3.849	63	301514	10.091	ug/l	100
18) 2-Butanone	4.689	43	197169	50.293	ug/l	98
19) Cyclohexane	5.370	56	248051m	10.331	ug/l	
20) Methylcyclohexane	6.750	83	263935	11.086	ug/l	100
21) 2,2-Dichloropropane	4.644	77	247364	10.612	ug/l	100
22) cis-1,2-Dichloroethene	4.647	96	185608	10.837	ug/l	99
23) Diethyl Ether	2.364	59	112591	9.447	ug/l	99
24) tert-Butyl Alcohol	3.187	59	66161	51.182	ug/l #	88
25) Methyl tert-Butyl Ether	3.348	73	369805	10.661	ug/l	99
26) Bromochloromethane	4.956	128	68843	9.196	ug/l	99
27) Chloroform	5.071	83	304221	10.089	ug/l	100
28) 1,1,1-Trichloroethane	5.300	97	250902	10.272	ug/l	99
29) 1,1-Dichloropropene	5.512	75	208602	9.535	ug/l	99
30) Carbon Tetrachloride	5.509	117	210911	10.069	ug/l	98
31) Isopropyl Ether	3.975	45	498428	11.684	ug/l #	1
34) Propionitrile	4.756	54	132730	112.251	ug/l #	98
35) Benzene	5.759	78	678147	10.081	ug/l	100
36) 1,2-Dichloroethane	5.779	62	180895	9.317	ug/l	100
37) Trichloroethene	6.531	130	151261	9.455	ug/l	99
38) 1,2-Dichloropropane	6.775	63	170018	9.657	ug/l	100
39) Methacrylonitrile	4.959	41	50755	11.518	ug/l	98
40) Methyl acrylate	4.833	55	86382	10.636	ug/l	98
41) Tetrahydrofuran	5.039	42	133021	51.903	ug/l	96
42) 1-Chlorobutane	5.441	56	317470	10.606	ug/l	99
43) Dibromomethane	6.907	93	87369	9.800	ug/l	97
44) Bromodichloromethane	7.094	83	225336	10.859	ug/l	98
45) 4-Methyl-2-Pentanone	7.779	43	519812	55.614	ug/l	100
46) t-1,4-Dichloro-2-butene	10.823	75	53637m	12.207	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Methyl methacrylate	6.952	69	81105	10.801	ug/l	96
48) Ethyl methacrylate	8.325	69	166665	11.820	ug/l	99
49) Toluene	7.959	92	415448	10.739	ug/l	100
50) t-1,3-Dichloropropene	8.200	75	207350	10.914	ug/l	98
51) cis-1,3-Dichloropropene	7.595	75	242070	10.315	ug/l	97
52) 1,1,2-Trichloroethane	8.390	97	119029	9.902	ug/l	99
53) 1,3-Dichloropropane	8.563	76	207689	9.732	ug/l	99
54) 2-Hexanone	8.676	43	369589	57.943	ug/l	99
55) Dibromochloromethane	8.798	129	144391	10.441	ug/l	98
56) 1,2-Dibromoethane	8.914	107	111510	9.891	ug/l	99
58) Tetrachloroethene	8.544	164	135201	10.255	ug/l	98
59) Chlorobenzene	9.438	112	435888	10.678	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.525	131	145439	9.912	ug/l	99
61) Pentachloroethane	11.418	117	146273	11.159	ug/l	99
62) Hexachloroethane	12.467	117	135009	11.642	ug/l	99
63) Ethyl Benzene	9.560	91	794797	11.289	ug/l	100
64) m/p-Xylenes	9.682	106	610698	23.222	ug/l	99
65) o-Xylene	10.090	106	294864	11.453	ug/l	100
66) Styrene	10.103	104	499423	12.190	ug/l	100
67) Bromoform	10.280	173	87483	11.146	ug/l	99
69) Isopropylbenzene	10.473	105	777638	12.848	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.772	83	169972	10.491	ug/l	99
71) 1,2,3-Trichloropropane	10.814	75	120161m	9.872	ug/l	
72) Bromobenzene	10.772	156	183865	11.275	ug/l	99
73) n-propylbenzene	10.897	120	210467	12.145	ug/l	99
74) 2-Chlorotoluene	10.978	126	191413	11.986	ug/l	96
75) 1,3,5-Trimethylbenzene	11.078	105	684766	12.210	ug/l	100
76) 4-Chlorotoluene	11.087	126	194674	11.887	ug/l	100
77) tert-Butylbenzene	11.409	119	683840	12.057	ug/l	100
78) 1,2,4-Trimethylbenzene	11.457	105	696739	12.521	ug/l	100
79) sec-Butylbenzene	11.634	105	893150	12.368	ug/l	100
80) Nitrobenzene	13.212	77	5344	14.120	ug/l #	81
81) p-Isopropyltoluene	11.785	119	740341	12.990	ug/l	100
82) 1,3-Dichlorobenzene	11.737	146	376778	11.912	ug/l	99
83) 1,4-Dichlorobenzene	11.827	146	376860	12.181	ug/l	99
84) n-Butylbenzene	12.200	91	707039	13.835	ug/l	99
85) 1,2-Dichlorobenzene	12.203	146	361247	11.884	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.987	75	25391	11.165	ug/l	96
87) 1,2,4-Trichlorobenzene	13.830	180	207953	14.027	ug/l	99
88) Hexachlorobutadiene	14.010	225	123242	11.632	ug/l	99
89) Naphthalene	14.077	128	342725	10.999	ug/l	99
90) 1,2,3-Trichlorobenzene	14.322	180	175916	12.127	ug/l	99

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

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