

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021325\
 Data File : VU063264.D
 Acq On : 13 Feb 2025 13:42
 Operator : MD/SY
 Sample : VU0213WBS01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0213WBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 02/14/2025
 Supervised By :Semsettin Yesilyurt 02/14/2025

Quant Time: Feb 14 04:44:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U021025DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Feb 11 08:42:19 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.107	96	49713	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	16859	1.028	ug/l	0.00
Spiked Amount 1.000			Recovery	=	103.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	16929	0.993	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	34534	2.138	ug/l	95
3) Chloromethane	1.518	50	39869	2.143	ug/l	98
4) Vinyl Chloride	1.599	62	39200	2.130	ug/l	98
5) Bromomethane	1.843	94	21418	2.382	ug/l	94
6) Chloroethane	1.923	64	23350	2.014	ug/l	99
7) Trichlorofluoromethane	2.129	101	46695	2.141	ug/l	95
8) 1,1,2-Trichloro-1,2,2-...	2.566	101	26777	2.163	ug/l	99
9) 1,1-Dichloroethene	2.570	96	26939	2.136	ug/l	100
10) Iodomethane	2.708	142	38154	1.924	ug/l	99
11) Allyl Chloride	2.914	41	38136	2.105	ug/l	99
12) Acrylonitrile	3.312	53	12169	4.183	ug/l #	92
13) Acetone	2.618	43	24529	10.966	ug/l	100
14) Carbon Disulfide	2.782	76	93411	2.118	ug/l	99
15) Methylene Chloride	3.033	84	33760	2.167	ug/l	97
16) trans-1,2-Dichloroethene	3.341	96	31108	2.161	ug/l	99
17) 1,1-Dichloroethane	3.856	63	59047	2.176	ug/l	99
18) 2-Butanone	4.701	43	36232	10.178	ug/l	97
19) Cyclohexane	5.377	56	44793m	2.055	ug/l	
20) Methylcyclohexane	6.753	83	45601	2.109	ug/l	99
21) 2,2-Dichloropropane	4.650	77	43173	2.040	ug/l	99
22) cis-1,2-Dichloroethene	4.653	96	33849	2.176	ug/l	98
23) Diethyl Ether	2.367	59	22594	2.088	ug/l	98
24) tert-Butyl Alcohol	3.168	59	29029	21.127	ug/l #	93
25) Methyl tert-Butyl Ether	3.348	73	66280	2.104	ug/l	98
26) Bromochloromethane	4.962	128	14888	2.190	ug/l	99
27) Chloroform	5.074	83	57911	2.115	ug/l	98
28) 1,1,1-Trichloroethane	5.303	97	47889	2.159	ug/l	98
29) 1,1-Dichloropropene	5.515	75	41318	2.080	ug/l	97
30) Carbon Tetrachloride	5.512	117	40821	2.146	ug/l	98
31) Isopropyl Ether	3.978	45	79132	2.043	ug/l	96
32) Ethyl-t-butyl ether	4.486	59	72442	2.056	ug/l	99
33) Tert-Amyl methyl ether	5.926	73	64979	2.111	ug/l	99
34) Propionitrile	4.775	54	11252	10.479	ug/l #	97
35) Benzene	5.763	78	131079	2.146	ug/l	99
36) 1,2-Dichloroethane	5.782	62	37320	2.117	ug/l	100
37) Trichloroethene	6.534	130	31314	2.156	ug/l	98
38) 1,2-Dichloropropane	6.779	63	34039	2.129	ug/l	96
39) Methacrylonitrile	4.972	41	7993	1.997	ug/l	94
40) Methyl acrylate	4.853	55	14767m	2.002	ug/l	
41) Tetrahydrofuran	5.049	42	9080	3.902	ug/l	96
42) 1-Chlorobutane	5.447	56	56663	2.085	ug/l	100
43) Dibromomethane	6.910	93	17120	2.115	ug/l	98
44) Bromodichloromethane	7.094	83	41195	2.186	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.778	43	88051	10.374	ug/l	98
46) t-1,4-Dichloro-2-butene	10.823	75	15843m	3.971	ug/l	
47) Methyl methacrylate	6.952	69	28345	4.157	ug/l	96
48) Ethyl methacrylate	8.325	69	25480	1.990	ug/l	95
49) Toluene	7.962	92	74130	2.110	ug/l	99
50) t-1,3-Dichloropropene	8.203	75	35922	2.082	ug/l	98
51) cis-1,3-Dichloropropene	7.598	75	43661	2.049	ug/l	97
52) 1,1,2-Trichloroethane	8.393	97	23993	2.198	ug/l	97
53) 1,3-Dichloropropane	8.566	76	42329	2.184	ug/l	99
54) 2-Hexanone	8.676	43	56755	9.799	ug/l	96
55) Dibromochloromethane	8.801	129	26299	2.094	ug/l	95
56) 1,2-Dibromoethane	8.917	107	22640	2.211	ug/l	99
58) Tetrachloroethene	8.544	164	26557	2.218	ug/l	99
59) Chlorobenzene	9.441	112	80078	2.160	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.524	131	28448	2.135	ug/l	98
61) Pentachloroethane	11.418	117	25817	2.169	ug/l	95
62) Hexachloroethane	12.466	117	21992	2.088	ug/l	100
63) Ethyl Benzene	9.563	91	130110	2.035	ug/l	98
64) m/p-Xylenes	9.685	106	100610	4.213	ug/l	98
65) o-Xylene	10.094	106	48889	2.091	ug/l	99
66) Styrene	10.106	104	77415	2.081	ug/l	99
67) Bromoform	10.283	173	14977	2.101	ug/l	98
69) Isopropylbenzene	10.476	105	113999	2.074	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.772	83	31391	2.134	ug/l	99
71) 1,2,3-Trichloropropane	10.817	75	22085m	1.998	ug/l	
72) Bromobenzene	10.775	156	32233	2.177	ug/l	97
73) n-propylbenzene	10.897	120	33301	2.116	ug/l	100
74) 2-Chlorotoluene	10.978	126	31471	2.170	ug/l	100
75) 1,3,5-Trimethylbenzene	11.081	105	108102	2.123	ug/l	99
76) 4-Chlorotoluene	11.090	126	31896	2.145	ug/l	96
77) tert-Butylbenzene	11.412	119	108110	2.099	ug/l	99
78) 1,2,4-Trimethylbenzene	11.460	105	107772	2.133	ug/l	100
79) sec-Butylbenzene	11.634	105	142624	2.175	ug/l	99
80) Nitrobenzene	13.225	77	3060m	10.322	ug/l	
81) p-Isopropyltoluene	11.785	119	106202	2.052	ug/l	98
82) 1,3-Dichlorobenzene	11.740	146	61598	2.145	ug/l	99
83) 1,4-Dichlorobenzene	11.830	146	60439	2.151	ug/l	99
84) n-Butylbenzene	12.200	91	95901	2.067	ug/l	99
85) 1,2-Dichlorobenzene	12.206	146	58198	2.108	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.994	75	4410	2.136	ug/l	92
87) 1,2,4-Trichlorobenzene	13.836	180	29346	2.180	ug/l	96
88) Hexachlorobutadiene	14.013	225	20891	2.171	ug/l	96
89) Naphthalene	14.084	128	41543	2.037	ug/l	98
90) 1,2,3-Trichlorobenzene	14.325	180	27174	2.063	ug/l	98

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

