

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021325\
 Data File : VU063265.D
 Acq On : 13 Feb 2025 14:07
 Operator : MD/SY
 Sample : VU0213WBSD01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0213WBSD01

Manual Integrations
 APPROVED

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

Quant Time: Feb 14 04:45:07 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	49593	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.624	95	17236	1.054	ug/l	0.00
Spiked Amount 1.000			Recovery	=	105.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	16776	0.986	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	31209	1.937	ug/l	98
3) Chloromethane	1.518	50	38035	2.050	ug/l	99
4) Vinyl Chloride	1.599	62	38420	2.093	ug/l	98
5) Bromomethane	1.843	94	21161	2.359	ug/l	99
6) Chloroethane	1.923	64	22968	1.986	ug/l	94
7) Trichlorofluoromethane	2.129	101	42828	1.969	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.570	101	24684	1.999	ug/l	99
9) 1,1-Dichloroethene	2.570	96	25807	2.051	ug/l	97
10) Iodomethane	2.711	142	37799	1.911	ug/l	100
11) Allyl Chloride	2.914	41	36235	2.005	ug/l	98
12) Acrylonitrile	3.316	53	12356	4.258	ug/l	95
13) Acetone	2.618	43	23841	10.684	ug/l	99
14) Carbon Disulfide	2.782	76	87764	1.995	ug/l	99
15) Methylene Chloride	3.033	84	33773	2.173	ug/l	97
16) trans-1,2-Dichloroethene	3.341	96	29141	2.029	ug/l	94
17) 1,1-Dichloroethane	3.853	63	56101	2.073	ug/l	99
18) 2-Butanone	4.701	43	34754	9.786	ug/l	97
19) Cyclohexane	5.377	56	40877m	1.879	ug/l	
20) Methylcyclohexane	6.750	83	40256	1.867	ug/l	98
21) 2,2-Dichloropropane	4.650	77	41264	1.954	ug/l	98
22) cis-1,2-Dichloroethene	4.656	96	32439	2.091	ug/l	97
23) Diethyl Ether	2.367	59	22812	2.113	ug/l	98
24) tert-Butyl Alcohol	3.168	59	27220	19.439	ug/l	# 93
25) Methyl tert-Butyl Ether	3.348	73	65174	2.074	ug/l	98
26) Bromochloromethane	4.962	128	14924	2.201	ug/l	97
27) Chloroform	5.074	83	56318	2.062	ug/l	97
28) 1,1,1-Trichloroethane	5.303	97	45123	2.039	ug/l	99
29) 1,1-Dichloropropene	5.518	75	38847	1.960	ug/l	98
30) Carbon Tetrachloride	5.512	117	37973	2.001	ug/l	99
31) Isopropyl Ether	3.978	45	77646	2.009	ug/l	94
32) Ethyl-t-butyl ether	4.486	59	70372	2.003	ug/l	94
33) Tert-Amyl methyl ether	5.926	73	65478	2.133	ug/l	99
34) Propionitrile	4.772	54	11223	10.478	ug/l	# 86
35) Benzene	5.762	78	126057	2.069	ug/l	99
36) 1,2-Dichloroethane	5.785	62	36673	2.085	ug/l	100
37) Trichloroethene	6.531	130	29681	2.048	ug/l	99
38) 1,2-Dichloropropane	6.782	63	34503	2.163	ug/l	98
39) Methacrylonitrile	4.972	41	7625	1.910	ug/l	# 86
40) Methyl acrylate	4.856	55	15183m	2.064	ug/l	
41) Tetrahydrofuran	5.052	42	10526	4.534	ug/l	90
42) 1-Chlorobutane	5.447	56	53258	1.964	ug/l	100
43) Dibromomethane	6.910	93	16724	2.071	ug/l	97
44) Bromodichloromethane	7.097	83	40407	2.150	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.778	43	86255	10.187	ug/l	98
46) t-1,4-Dichloro-2-butene	10.823	75	14843m	3.729	ug/l	
47) Methyl methacrylate	6.952	69	28196	4.145	ug/l	99
48) Ethyl methacrylate	8.325	69	26421	2.068	ug/l	99
49) Toluene	7.959	92	72167	2.059	ug/l	97
50) t-1,3-Dichloropropene	8.203	75	35210	2.046	ug/l	96
51) cis-1,3-Dichloropropene	7.598	75	42724	2.010	ug/l	98
52) 1,1,2-Trichloroethane	8.389	97	23596	2.167	ug/l	97
53) 1,3-Dichloropropane	8.566	76	41240	2.133	ug/l	98
54) 2-Hexanone	8.676	43	57763	9.997	ug/l	96
55) Dibromochloromethane	8.798	129	26319	2.101	ug/l	98
56) 1,2-Dibromoethane	8.913	107	21940	2.148	ug/l	94
58) Tetrachloroethene	8.544	164	23494	1.967	ug/l	96
59) Chlorobenzene	9.441	112	77094	2.085	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.524	131	27849	2.095	ug/l	99
61) Pentachloroethane	11.415	117	24447	2.059	ug/l	99
62) Hexachloroethane	12.463	117	20482	1.950	ug/l	98
63) Ethyl Benzene	9.560	91	123840	1.942	ug/l	98
64) m/p-Xylenes	9.685	106	92603	3.887	ug/l	99
65) o-Xylene	10.090	106	46481	1.993	ug/l	99
66) Styrene	10.106	104	73089	1.969	ug/l	99
67) Bromoform	10.280	173	15286	2.150	ug/l	98
69) Isopropylbenzene	10.473	105	106791	1.948	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.772	83	30183	2.057	ug/l	98
71) 1,2,3-Trichloropropane	10.814	75	22946m	2.081	ug/l	
72) Bromobenzene	10.775	156	31163	2.110	ug/l	85
73) n-propylbenzene	10.897	120	31160	1.985	ug/l	92
74) 2-Chlorotoluene	10.978	126	29163	2.016	ug/l	97
75) 1,3,5-Trimethylbenzene	11.077	105	97170	1.913	ug/l	99
76) 4-Chlorotoluene	11.090	126	30377	2.048	ug/l	93
77) tert-Butylbenzene	11.409	119	99903	1.944	ug/l	98
78) 1,2,4-Trimethylbenzene	11.460	105	96662	1.918	ug/l	98
79) sec-Butylbenzene	11.634	105	129092	1.973	ug/l	98
80) Nitrobenzene	13.222	77	3245	10.731	ug/l #	94
81) p-Isopropyltoluene	11.785	119	99117	1.920	ug/l	99
82) 1,3-Dichlorobenzene	11.737	146	57988	2.024	ug/l	99
83) 1,4-Dichlorobenzene	11.830	146	57781	2.062	ug/l	99
84) n-Butylbenzene	12.200	91	91940	1.986	ug/l	96
85) 1,2-Dichlorobenzene	12.203	146	55493	2.015	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.994	75	4362	2.117	ug/l	95
87) 1,2,4-Trichlorobenzene	13.833	180	28956	2.156	ug/l	99
88) Hexachlorobutadiene	14.010	225	19075	1.987	ug/l	100
89) Naphthalene	14.084	128	44163	2.128	ug/l	99
90) 1,2,3-Trichlorobenzene	14.322	180	28562	2.174	ug/l	96

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

