

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062525\
 Data File : VU063453.D
 Acq On : 25 Jun 2025 12:01
 Operator : MD/SY
 Sample : Q2126-08
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT2-2025

Quant Time: Jun 26 01:54:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jun 26 01:53:14 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/26/2025
 Supervised By :Semsettin Yesilyurt 06/26/2025

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

Internal Standards						
1) Fluorobenzene	6.103	96	48619	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	14882	0.834	ug/l	0.00
Spiked Amount 1.000			Recovery	=	83.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	15734	0.878	ug/l	0.00
Spiked Amount 1.000			Recovery	=	88.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	9987	0.535	ug/l	96
3) Chloromethane	1.518	50	12223	0.497	ug/l	98
4) Vinyl Chloride	1.599	62	11981	0.569	ug/l	97
5) Bromomethane	1.846	94	7269	0.720	ug/l	94
6) Chloroethane	1.927	64	7020	0.563	ug/l	91
7) Trichlorofluoromethane	2.129	101	12450	0.518	ug/l	97
8) 1,1,2-Trichloro-1,2,2-...	2.570	101	7126	0.557	ug/l	96
9) 1,1-Dichloroethene	2.570	96	7275	0.570	ug/l	90
10) Iodomethane	2.711	142	4378	0.425	ug/l	93
11) Allyl Chloride	2.911	41	11007	0.484	ug/l	100
12) Acrylonitrile	3.306	53	3907	1.059	ug/l	92
13) Acetone	2.621	43	12706m	3.435	ug/l	
14) Carbon Disulfide	2.775	76	23814	0.535	ug/l	96
15) Methylene Chloride	3.029	84	10159	0.628	ug/l	90
16) trans-1,2-Dichloroethene	3.335	96	7429	0.517	ug/l	90
17) 1,1-Dichloroethane	3.849	63	15525	0.515	ug/l	98
18) 2-Butanone	4.721	43	12943	2.514	ug/l	99
19) Cyclohexane	5.357	56	11467	0.503	ug/l	92
20) Methylcyclohexane	6.743	83	9449	0.446	ug/l	90
21) 2,2-Dichloropropane	4.644	77	11715	0.546	ug/l	96
22) cis-1,2-Dichloroethene	4.647	96	8099	0.517	ug/l	97
23) Diethyl Ether	2.370	59	5929	0.515	ug/l	96
24) tert-Butyl Alcohol	3.203	59	6777	5.585	ug/l	98
25) Methyl tert-Butyl Ether	3.364	73	17471	0.503	ug/l	93
26) Bromochloromethane	4.955	128	3012	0.494	ug/l	88
27) Chloroform	5.074	83	14510	0.513	ug/l	96
28) 1,1,1-Trichloroethane	5.293	97	12065	0.526	ug/l	98
29) 1,1-Dichloropropene	5.505	75	12182	0.582	ug/l	95
30) Carbon Tetrachloride	5.499	117	9095	0.497	ug/l	98
31) Isopropyl Ether	3.997	45	24426m	0.518	ug/l	
32) Ethyl-t-butyl ether	4.509	59	19538	0.489	ug/l	93
33) Tert-Amyl methyl ether	5.949	73	14006	0.490	ug/l	96
34) Propionitrile	4.785	54	4000	2.686	ug/l	# 96
35) Benzene	5.759	78	34514	0.545	ug/l	98
36) 1,2-Dichloroethane	5.785	62	9806	0.529	ug/l	# 95
37) Trichloroethene	6.531	130	8222	0.549	ug/l	86
38) 1,2-Dichloropropane	6.788	63	9231	0.528	ug/l	97
39) Methacrylonitrile	4.968	41	3187m	0.514	ug/l	
40) Methyl acrylate	4.853	55	4914	0.565	ug/l	# 89
41) Tetrahydrofuran	5.068	42	3604	1.081	ug/l	96
42) 1-Chlorobutane	5.438	56	16172m	0.544	ug/l	
43) Dibromomethane	6.914	93	4157	0.509	ug/l	98
44) Bromodichloromethane	7.100	83	10188	0.512	ug/l	100

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45) 4-Methyl-2-Pentanone	7.804	43	20182	2.300	ug/l	95
46) t-1,4-Dichloro-2-butene	10.830	75	2969m	1.029	ug/l	
47) Methyl methacrylate	6.978	69	5531	0.873	ug/l	90
48) Ethyl methacrylate	8.341	69	5054	0.446	ug/l	95
49) Toluene	7.965	92	15601	0.449	ug/l	94
50) t-1,3-Dichloropropene	8.213	75	6690	0.466	ug/l	94
51) cis-1,3-Dichloropropene	7.605	75	9094	0.472	ug/l	98
52) 1,1,2-Trichloroethane	8.396	97	6242	0.522	ug/l	92
53) 1,3-Dichloropropane	8.569	76	10394	0.506	ug/l	97
54) 2-Hexanone	8.698	43	14638	2.487	ug/l	90
55) Dibromochloromethane	8.804	129	6077	0.493	ug/l	97
56) 1,2-Dibromoethane	8.923	107	4814	0.497	ug/l	98
58) Tetrachloroethene	8.547	164	6958	0.474	ug/l	89
59) Chlorobenzene	9.444	112	18077	0.485	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.524	131	7184	0.536	ug/l	96
61) Pentachloroethane	11.418	117	5929	0.543	ug/l	92
62) Hexachloroethane	12.466	117	4619	0.470	ug/l	99
63) Ethyl Benzene	9.563	91	25834	0.433	ug/l	98
64) m/p-Xylenes	9.688	106	18914	0.812	ug/l	97
65) o-Xylene	10.094	106	8920	0.393	ug/l	95
66) Styrene	10.113	104	14948	0.405	ug/l	98
67) Bromoform	10.286	173	2818	0.418	ug/l #	99
69) Isopropylbenzene	10.476	105	22024	0.419	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.775	83	8076	0.528	ug/l	98
71) 1,2,3-Trichloropropane	10.820	75	6700m	0.537	ug/l	
72) Bromobenzene	10.775	156	6685	0.453	ug/l	90
73) n-propylbenzene	10.901	120	6497	0.408	ug/l	87
74) 2-Chlorotoluene	10.981	126	6216	0.426	ug/l	84
75) 1,3,5-Trimethylbenzene	11.081	105	20036	0.392	ug/l	98
76) 4-Chlorotoluene	11.097	126	6257	0.410	ug/l	99
77) tert-Butylbenzene	11.412	119	21175	0.439	ug/l	99
78) 1,2,4-Trimethylbenzene	11.463	105	20892	0.406	ug/l	95
79) sec-Butylbenzene	11.637	105	28718	0.420	ug/l	99
80) Nitrobenzene	13.225	77	2126m	3.053	ug/l	
81) p-Isopropyltoluene	11.788	119	21741	0.407	ug/l	98
82) 1,3-Dichlorobenzene	11.743	146	15204	0.498	ug/l	99
83) 1,4-Dichlorobenzene	11.833	146	15779m	0.498	ug/l	
84) n-Butylbenzene	12.203	91	25842	0.462	ug/l	93
85) 1,2-Dichlorobenzene	12.209	146	14500	0.496	ug/l	95
86) 1,2-Dibromo-3-Chloropr...	12.994	75	1210	0.576	ug/l #	89
87) 1,2,4-Trichlorobenzene	13.839	180	9081	0.557	ug/l	96
88) Hexachlorobutadiene	14.013	225	6257	0.541	ug/l	97
89) Naphthalene	14.090	128	18365	0.676	ug/l	98
90) 1,2,3-Trichlorobenzene	14.328	180	9420	0.581	ug/l	98

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

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