

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021125\
 Data File : VU063245.D
 Acq On : 11 Feb 2025 19:04
 Operator : MD/SY
 Sample : Q1168-08
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT1-2025

Quant Time: Feb 12 04:12:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U021025DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Feb 12 04:10:16 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	6.107	96	49516	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	14450	0.885	ug/l	0.00
Spiked Amount 1.000			Recovery	=	88.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	15221	0.896	ug/l	0.00
Spiked Amount 1.000			Recovery	=	90.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	8547	0.531	ug/l	97
3) Chloromethane	1.518	50	10883	0.587	ug/l	99
4) Vinyl Chloride	1.599	62	9753	0.532	ug/l	97
5) Bromomethane	1.846	94	5800	0.648	ug/l	100
6) Chloroethane	1.924	64	6434	0.557	ug/l	# 85
7) Trichlorofluoromethane	2.129	101	12419	0.572	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.570	101	6744	0.547	ug/l	97
9) 1,1-Dichloroethene	2.570	96	6736	0.536	ug/l	95
10) Iodomethane	2.711	142	10840	0.549	ug/l	100
11) Allyl Chloride	2.911	41	9747	0.540	ug/l	100
12) Acrylonitrile	3.322	53	2819	0.973	ug/l	# 76
13) Acetone	2.618	43	6335	2.843	ug/l	100
14) Carbon Disulfide	2.782	76	24608	0.560	ug/l	98
15) Methylene Chloride	3.033	84	8947	0.576	ug/l	95
16) trans-1,2-Dichloroethene	3.345	96	7295	0.509	ug/l	88
17) 1,1-Dichloroethane	3.856	63	14799	0.548	ug/l	97
18) 2-Butanone	4.730	43	9471m	2.671	ug/l	
19) Cyclohexane	5.374	56	10913m	0.503	ug/l	
20) Methylcyclohexane	6.750	83	10467	0.486	ug/l	97
21) 2,2-Dichloropropane	4.650	77	11200	0.531	ug/l	99
22) cis-1,2-Dichloroethene	4.660	96	8504	0.549	ug/l	97
23) Diethyl Ether	2.367	59	5574	0.517	ug/l	# 87
24) tert-Butyl Alcohol	3.174	59	11712	8.932	ug/l	# 88
25) Methyl tert-Butyl Ether	3.351	73	16568	0.528	ug/l	97
26) Bromochloromethane	4.972	128	3788	0.559	ug/l	92
27) Chloroform	5.078	83	15658	0.574	ug/l	91
28) 1,1,1-Trichloroethane	5.306	97	11945	0.541	ug/l	98
29) 1,1-Dichloropropene	5.518	75	10194	0.515	ug/l	98
30) Carbon Tetrachloride	5.512	117	10904	0.576	ug/l	90
31) Isopropyl Ether	3.981	45	19939	0.517	ug/l	98
32) Ethyl-t-butyl ether	4.486	59	17524	0.499	ug/l	99
33) Tert-Amyl methyl ether	5.930	73	15508	0.506	ug/l	99
34) Propionitrile	4.808	54	2560m	2.394	ug/l	
35) Benzene	5.766	78	33147	0.545	ug/l	99
36) 1,2-Dichloroethane	5.788	62	9160	0.522	ug/l	97
37) Trichloroethene	6.534	130	8367	0.578	ug/l	100
38) 1,2-Dichloropropane	6.782	63	8371	0.526	ug/l	91
39) Methacrylonitrile	4.984	41	1962m	0.492	ug/l	
40) Methyl acrylate	4.882	55	3625m	0.493	ug/l	
41) Tetrahydrofuran	5.058	42	2603	1.123	ug/l	# 82
42) 1-Chlorobutane	5.451	56	14071	0.520	ug/l	94
43) Dibromomethane	6.914	93	4280	0.531	ug/l	97
44) Bromodichloromethane	7.097	83	10849	0.578	ug/l	97

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45) 4-Methyl-2-Pentanone	7.782	43	20299	2.401	ug/l	92
46) t-1,4-Dichloro-2-butene	10.817	75	4469m	1.125	ug/l	
47) Methyl methacrylate	6.962	69	6051m	0.891	ug/l	
48) Ethyl methacrylate	8.335	69	5654	0.443	ug/l	100
49) Toluene	7.962	92	17076	0.488	ug/l	97
50) t-1,3-Dichloropropene	8.206	75	8498	0.495	ug/l	94
51) cis-1,3-Dichloropropene	7.602	75	10557	0.497	ug/l	96
52) 1,1,2-Trichloroethane	8.393	97	6004	0.552	ug/l	92
53) 1,3-Dichloropropane	8.570	76	10372	0.537	ug/l	96
54) 2-Hexanone	8.685	43	13529m	2.345	ug/l	
55) Dibromochloromethane	8.798	129	6832	0.546	ug/l	100
56) 1,2-Dibromoethane	8.920	107	5306	0.520	ug/l	98
58) Tetrachloroethene	8.544	164	6873	0.576	ug/l	94
59) Chlorobenzene	9.441	112	19237	0.521	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.524	131	7524	0.567	ug/l	97
61) Pentachloroethane	11.415	117	6352	0.536	ug/l	92
62) Hexachloroethane	12.463	117	5243	0.500	ug/l	93
63) Ethyl Benzene	9.563	91	29739	0.467	ug/l	99
64) m/p-Xylenes	9.685	106	21944	0.923	ug/l	92
65) o-Xylene	10.094	106	10985	0.472	ug/l	99
66) Styrene	10.113	104	16318	0.440	ug/l	98
67) Bromoform	10.283	173	3852	0.543	ug/l #	97
69) Isopropylbenzene	10.473	105	25304	0.462	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.772	83	7937	0.542	ug/l	99
71) 1,2,3-Trichloropropane	10.814	75	5483m	0.498	ug/l	
72) Bromobenzene	10.778	156	7720	0.523	ug/l	83
73) n-propylbenzene	10.897	120	7098	0.453	ug/l	99
74) 2-Chlorotoluene	10.978	126	7187	0.498	ug/l	88
75) 1,3,5-Trimethylbenzene	11.081	105	21086	0.416	ug/l	99
76) 4-Chlorotoluene	11.094	126	7168	0.484	ug/l	86
77) tert-Butylbenzene	11.409	119	23184	0.452	ug/l	99
78) 1,2,4-Trimethylbenzene	11.460	105	20247	0.402	ug/l	97
79) sec-Butylbenzene	11.634	105	28659	0.439	ug/l	99
80) Nitrobenzene	13.238	77	657m	1.885	ug/l	
81) p-Isopropyltoluene	11.785	119	21014	0.408	ug/l	99
82) 1,3-Dichlorobenzene	11.740	146	14427	0.504	ug/l	97
83) 1,4-Dichlorobenzene	11.833	146	14210	0.508	ug/l	99
84) n-Butylbenzene	12.203	91	19763	0.428	ug/l	95
85) 1,2-Dichlorobenzene	12.206	146	13911	0.506	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	13.003	75	888	0.432	ug/l	98
87) 1,2,4-Trichlorobenzene	13.843	180	6125	0.457	ug/l	97
88) Hexachlorobutadiene	14.010	225	5337	0.557	ug/l	100
89) Naphthalene	14.093	128	9951m	0.461	ug/l	
90) 1,2,3-Trichlorobenzene	14.325	180	6122	0.467	ug/l	96

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

