

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091123\
 Data File : VU055233.D
 Acq On : 11 Sep 2023 13:48
 Operator : MD/SY
 Sample : VU0911WBS01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0911WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/12/2023
 Supervised By : Mahesh Dadoda 09/21/2023

Quant Time: Sep 12 09:00:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U091123DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Sep 12 08:56:31 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.113	96	60155	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.634	95	21578	0.924	ug/l	0.00
Spiked Amount 1.000			Recovery	=	92.000%	
68) 1,2-Dichlorobenzene-d4	12.193	152	22162	0.974	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	37639	1.808	ug/l	98
3) Chloromethane	1.515	50	39547	1.816	ug/l	97
4) Vinyl Chloride	1.602	62	43216	1.895	ug/l	96
5) Bromomethane	1.853	94	36050	2.003	ug/l	98
6) Chloroethane	1.930	64	27715	1.919	ug/l	100
7) Trichlorofluoromethane	2.136	101	60794	1.919	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	29546	1.841	ug/l	93
9) 1,1-Dichloroethene	2.576	96	26454	1.802	ug/l	96
10) Iodomethane	2.721	142	27526	1.461	ug/l	94
11) Allyl Chloride	2.920	41	32229	1.756	ug/l	# 81
12) Acrylonitrile	3.322	53	10010	3.588	ug/l	95
13) Acetone	2.624	43	43619	9.020	ug/l	90
14) Carbon Disulfide	2.788	76	84825	1.783	ug/l	97
15) Methylene Chloride	3.039	84	37990	2.162	ug/l	96
16) trans-1,2-Dichloroethene	3.351	96	31689	1.811	ug/l	92
17) 1,1-Dichloroethane	3.869	63	58563	1.757	ug/l	98
18) 2-Butanone	4.708	43	49031	8.890	ug/l	100
19) Cyclohexane	5.386	56	44727	1.818	ug/l	88
20) Methylcyclohexane	6.763	83	54419	1.779	ug/l	96
21) 2,2-Dichloropropane	4.660	77	44846	1.671	ug/l	100
22) cis-1,2-Dichloroethene	4.663	96	35276	1.576	ug/l	97
23) Diethyl Ether	2.374	59	24225	2.025	ug/l	93
24) tert-Butyl Alcohol	3.181	59	18524m	19.932	ug/l	
25) Methyl tert-Butyl Ether	3.361	73	63000	1.862	ug/l	97
26) Bromochloromethane	4.975	128	15295	1.877	ug/l	96
27) Chloroform	5.084	83	64910	1.842	ug/l	95
28) 1,1,1-Trichloroethane	5.312	97	54997	1.814	ug/l	98
29) 1,1-Dichloropropene	5.525	75	46269	1.839	ug/l	98
30) Carbon Tetrachloride	5.521	117	47065	1.786	ug/l	98
31) Isopropyl Ether	3.988	45	74579	1.704	ug/l	99
32) Ethyl-t-butyl ether	4.499	59	74035	1.750	ug/l	95
33) Tert-Amyl methyl ether	5.939	73	71510	1.919	ug/l	99
34) Propionitrile	4.782	54	10622m	10.642	ug/l	
35) Benzene	5.772	78	138856	1.868	ug/l	100
36) 1,2-Dichloroethane	5.795	62	39164	1.888	ug/l	100
37) Trichloroethene	6.541	130	39147	1.802	ug/l	99
38) 1,2-Dichloropropane	6.788	63	36088	1.850	ug/l	100
39) Methacrylonitrile	4.978	41	8310	2.088	ug/l	92
40) Methyl acrylate	4.862	55	10200	1.583	ug/l	# 92
41) Tetrahydrofuran	5.062	42	8707	3.944	ug/l	97
42) 1-Chlorobutane	5.457	56	60741	1.872	ug/l	99
43) Dibromomethane	6.920	93	17808	1.931	ug/l	99
44) Bromodichloromethane	7.103	83	42491	1.779	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.791	43	88177	10.079	ug/l	98
46) t-1,4-Dichloro-2-butene	10.830	75	14205m	4.345	ug/l	
47) Methyl methacrylate	6.965	69	28188	3.977	ug/l	98
48) Ethyl methacrylate	8.335	69	25752	1.871	ug/l	100
49) Toluene	7.968	92	81607	1.810	ug/l	99
50) t-1,3-Dichloropropene	8.213	75	36719	1.827	ug/l	99
51) cis-1,3-Dichloropropene	7.608	75	46289	1.835	ug/l	96
52) 1,1,2-Trichloroethane	8.402	97	25321	1.945	ug/l	95
53) 1,3-Dichloropropane	8.573	76	41800	1.894	ug/l	99
54) 2-Hexanone	8.685	43	77080	9.196	ug/l	98
55) Dibromochloromethane	8.807	129	27048	1.844	ug/l	99
56) 1,2-Dibromoethane	8.923	107	23334	1.970	ug/l	98
58) Tetrachloroethene	8.553	164	43588	1.857	ug/l	99
59) Chlorobenzene	9.447	112	97016	1.921	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.531	131	29900	1.788	ug/l	100
61) Pentachloroethane	11.421	117	13081	1.678	ug/l	91
62) Hexachloroethane	12.473	117	21066	1.648	ug/l	92
63) Ethyl Benzene	9.569	91	155511	1.821	ug/l	97
64) m/p-Xylenes	9.695	106	121418	3.670	ug/l	94
65) o-Xylene	10.100	106	58033	1.809	ug/l	98
66) Styrene	10.116	104	90675	1.810	ug/l	98
67) Bromoform	10.290	173	12897	1.738	ug/l	98
69) Isopropylbenzene	10.483	105	152744	1.820	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.782	83	25450	1.925	ug/l	97
71) 1,2,3-Trichloropropane	10.820	75	18829m	1.593	ug/l	
72) Bromobenzene	10.782	156	35818	1.858	ug/l	99
73) n-propylbenzene	10.907	120	39639	1.740	ug/l	100
74) 2-Chlorotoluene	10.984	126	36766	1.808	ug/l	99
75) 1,3,5-Trimethylbenzene	11.087	105	131239	1.819	ug/l	97
76) 4-Chlorotoluene	11.097	126	39894	1.910	ug/l	95
77) tert-Butylbenzene	11.418	119	115672	1.813	ug/l	96
78) 1,2,4-Trimethylbenzene	11.466	105	129211	1.767	ug/l	98
79) sec-Butylbenzene	11.643	105	166551	1.793	ug/l	99
80) Nitrobenzene	13.222	77	2915	9.218	ug/l #	83
81) p-Isopropyltoluene	11.791	119	130668	1.742	ug/l	98
82) 1,3-Dichlorobenzene	11.746	146	75336	1.821	ug/l	99
83) 1,4-Dichlorobenzene	11.836	146	75755	1.869	ug/l	98
84) n-Butylbenzene	12.209	91	115763	1.698	ug/l	99
85) 1,2-Dichlorobenzene	12.212	146	71554	1.886	ug/l	97
86) 1,2-Dibromo-3-Chloropr...	12.997	75	4004	1.831	ug/l	93
87) 1,2,4-Trichlorobenzene	13.843	180	38731	1.770	ug/l	98
88) Hexachlorobutadiene	14.019	225	24079	1.721	ug/l	97
89) Naphthalene	14.087	128	62279	1.993	ug/l	99
90) 1,2,3-Trichlorobenzene	14.331	180	33712	1.777	ug/l	98

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

