

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101823\
 Data File : VU055794.D
 Acq On : 18 Oct 2023 10:26
 Operator : MD/SY
 Sample : VSTDICC002
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC002

Quant Time: Oct 19 02:13:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101823DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Oct 19 02:09:44 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 10/19/2023
 Supervised By : Mahesh Dadoda 10/24/2023

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

Internal Standards						
1) Fluorobenzene	6.113	96	91524	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	36117	1.000	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	36499	1.091	ug/l	0.00
Spiked Amount 1.000			Recovery	=	109.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	69826	1.965	ug/l	100
3) Chloromethane	1.518	50	60242	1.983	ug/l	99
4) Vinyl Chloride	1.602	62	60789	1.953	ug/l	97
5) Bromomethane	1.856	94	34174	1.994	ug/l	99
6) Chloroethane	1.930	64	31355	2.079	ug/l	97
7) Trichlorofluoromethane	2.136	101	82753	2.016	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.579	101	52969	1.935	ug/l	95
9) 1,1-Dichloroethene	2.576	96	49088	1.923	ug/l	94
10) Iodomethane	2.718	142	74871	1.956	ug/l	96
11) Allyl Chloride	2.920	41	63310	1.908	ug/l	98
12) Acrylonitrile	3.325	53	19713	4.110	ug/l	94
13) Acetone	2.637	43	105166	10.277	ug/l	99
14) Carbon Disulfide	2.792	76	161791	1.942	ug/l	100
15) Methylene Chloride	3.042	84	63292	2.102	ug/l	90
16) trans-1,2-Dichloroethene	3.351	96	53558	1.980	ug/l	93
17) 1,1-Dichloroethane	3.866	63	100120	1.990	ug/l	100
18) 2-Butanone	4.711	43	113653	10.308	ug/l	99
19) Cyclohexane	5.383	56	80721m	2.121	ug/l	
20) Methylcyclohexane	6.759	83	83217	1.866	ug/l	100
21) 2,2-Dichloropropane	4.660	77	83632	1.974	ug/l	100
22) cis-1,2-Dichloroethene	4.666	96	55941	1.940	ug/l	97
23) Diethyl Ether	2.374	59	30095	1.972	ug/l	97
24) tert-Butyl Alcohol	3.197	59	35676m	23.532	ug/l	
25) Methyl tert-Butyl Ether	3.357	73	106230	1.934	ug/l	100
26) Bromochloromethane	4.972	128	24633	2.015	ug/l	99
27) Chloroform	5.084	83	102651	1.988	ug/l	96
28) 1,1,1-Trichloroethane	5.312	97	91662	1.981	ug/l	98
29) 1,1-Dichloropropene	5.525	75	70661	1.928	ug/l	99
30) Carbon Tetrachloride	5.518	117	81142	2.009	ug/l	98
31) Isopropyl Ether	3.988	45	128246	1.897	ug/l	97
32) Ethyl-t-butyl ether	4.496	59	125687	1.926	ug/l	100
33) Tert-Amyl methyl ether	5.936	73	106086	1.897	ug/l	98
34) Propionitrile	4.792	54	17951	10.582	ug/l	# 10
35) Benzene	5.772	78	219903	1.980	ug/l	99
36) 1,2-Dichloroethane	5.792	62	60280	1.999	ug/l	99
37) Trichloroethene	6.541	130	56621	1.960	ug/l	99
38) 1,2-Dichloropropane	6.788	63	60027	2.070	ug/l	100
39) Methacrylonitrile	4.981	41	12252	1.932	ug/l	# 92
40) Methyl acrylate	4.853	55	17019	1.625	ug/l	# 88
41) Tetrahydrofuran	5.062	42	15305	4.203	ug/l	96
42) 1-Chlorobutane	5.454	56	93821	1.920	ug/l	97
43) Dibromomethane	6.917	93	28119	2.040	ug/l	96
44) Bromodichloromethane	7.103	83	73439	2.016	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.788	43	142970	10.031	ug/l	98
46) t-1,4-Dichloro-2-butene	10.830	75	21407m	4.363	ug/l	
47) Methyl methacrylate	6.959	69	43370	3.815	ug/l	96
48) Ethyl methacrylate	8.332	69	41115	1.905	ug/l	95
49) Toluene	7.968	92	128165	1.950	ug/l	99
50) t-1,3-Dichloropropene	8.209	75	61085	1.895	ug/l	100
51) cis-1,3-Dichloropropene	7.605	75	75890	1.924	ug/l	97
52) 1,1,2-Trichloroethane	8.396	97	39283	1.996	ug/l	97
53) 1,3-Dichloropropane	8.573	76	67684	2.012	ug/l	97
54) 2-Hexanone	8.682	43	164638	10.311	ug/l	98
55) Dibromochloromethane	8.807	129	47867	2.015	ug/l	98
56) 1,2-Dibromoethane	8.920	107	36679	2.039	ug/l	97
58) Tetrachloroethene	8.550	164	62503	2.081	ug/l	98
59) Chlorobenzene	9.444	112	140899	1.941	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.531	131	50565	1.955	ug/l	99
61) Pentachloroethane	11.421	117	34040	1.944	ug/l	94
62) Hexachloroethane	12.470	117	34903	1.883	ug/l	99
63) Ethyl Benzene	9.566	91	235403	1.911	ug/l	100
64) m/p-Xylenes	9.692	106	186039	3.929	ug/l	98
65) o-Xylene	10.097	106	91081	1.961	ug/l	99
66) Styrene	10.113	104	140397	1.932	ug/l	96
67) Bromoform	10.290	173	25860	2.026	ug/l	97
69) Isopropylbenzene	10.483	105	229385	1.918	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.778	83	47623	2.069	ug/l	99
71) 1,2,3-Trichloropropane	10.820	75	35810m	1.936	ug/l	
72) Bromobenzene	10.778	156	55734	1.953	ug/l	96
73) n-propylbenzene	10.904	120	59746	1.939	ug/l	99
74) 2-Chlorotoluene	10.984	126	57399	2.002	ug/l	97
75) 1,3,5-Trimethylbenzene	11.084	105	201199	1.968	ug/l	98
76) 4-Chlorotoluene	11.097	126	58987	2.019	ug/l	94
77) tert-Butylbenzene	11.415	119	179010	1.910	ug/l	98
78) 1,2,4-Trimethylbenzene	11.463	105	194855	1.925	ug/l	98
79) sec-Butylbenzene	11.640	105	222049	1.877	ug/l	99
80) Nitrobenzene	13.219	77	6221m	9.772	ug/l	
81) p-Isopropyltoluene	11.791	119	173957	1.826	ug/l	98
82) 1,3-Dichlorobenzene	11.743	146	118567	2.035	ug/l	97
83) 1,4-Dichlorobenzene	11.833	146	116364	2.064	ug/l	97
84) n-Butylbenzene	12.206	91	149487	1.840	ug/l	98
85) 1,2-Dichlorobenzene	12.209	146	107274	2.015	ug/l	97
86) 1,2-Dibromo-3-Chloropr...	12.994	75	6423	1.955	ug/l	97
87) 1,2,4-Trichlorobenzene	13.839	180	53760	1.861	ug/l	98
88) Hexachlorobutadiene	14.016	225	38572	1.920	ug/l	97
89) Naphthalene	14.087	128	73315	1.666	ug/l	100
90) 1,2,3-Trichlorobenzene	14.328	180	46115	1.860	ug/l	98

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

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