

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072223\
 Data File : VU054842.D
 Acq On : 21 Jul 2023 17:20
 Operator : MD/SY
 Sample : VSTDICC001
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/31/2023
 Supervised By :Mahesh Dadoda 07/31/2023

Quant Time: Jul 24 09:24:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U072123DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Jul 24 08:47:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.113	96	27220	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	8022	0.976	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	9137	0.960	ug/l	0.00
Spiked Amount 1.000			Recovery	=	96.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	5441	1.005	ug/l	96
3) Chloromethane	1.518	50	6587	1.047	ug/l	98
4) Vinyl Chloride	1.602	62	8197	1.015	ug/l	96
5) Bromomethane	1.856	94	5640	0.984	ug/l	86
6) Chloroethane	1.933	64	7734	1.014	ug/l	99
7) Trichlorofluoromethane	2.133	101	18003	0.920	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	5474	0.976	ug/l	97
9) 1,1-Dichloroethene	2.576	96	4649	0.993	ug/l	89
10) Iodomethane	2.718	142	7063	0.936	ug/l	99
11) Allyl Chloride	2.920	41	5442	0.991	ug/l	95
12) Acrylonitrile	3.338	53	2140m	1.908	ug/l	
13) Acetone	2.653	43	5044	5.104	ug/l	93
14) Carbon Disulfide	2.789	76	7584	0.961	ug/l	100
15) Methylene Chloride	3.039	84	8980	0.761	ug/l	95
16) trans-1,2-Dichloroethene	3.351	96	5600	1.076	ug/l	95
17) 1,1-Dichloroethane	3.869	63	10576	0.960	ug/l #	93
18) 2-Butanone	4.727	43	7119m	5.082	ug/l	
19) Cyclohexane	5.390	56	6496	0.902	ug/l	98
20) Methylcyclohexane	6.756	83	8320	0.983	ug/l	99
21) 2,2-Dichloropropane	4.660	77	9078	0.945	ug/l	94
22) cis-1,2-Dichloroethene	4.666	96	6681	1.014	ug/l	99
23) Diethyl Ether	2.377	59	7414	1.031	ug/l	97
24) tert-Butyl Alcohol	3.248	59	5413m	8.075	ug/l	
25) Methyl tert-Butyl Ether	3.364	73	13360	0.935	ug/l	96
26) Bromochloromethane	4.969	128	2464	0.981	ug/l	94
27) Chloroform	5.081	83	11869	0.981	ug/l	96
28) 1,1,1-Trichloroethane	5.316	97	9971	0.981	ug/l	98
29) 1,1-Dichloropropene	5.525	75	7002	0.968	ug/l	99
30) Carbon Tetrachloride	5.518	117	7893	0.934	ug/l #	93
31) Isopropyl Ether	3.994	45	15830	0.971	ug/l	95
32) Ethyl-t-butyl ether	4.499	59	16569	0.990	ug/l	98
33) Tert-Amyl methyl ether	5.940	73	15350	0.974	ug/l #	93
34) Propionitrile	4.821	54	1600m	3.482	ug/l	
35) Benzene	5.772	78	21723	0.924	ug/l	95
36) 1,2-Dichloroethane	5.795	62	6546	0.969	ug/l #	86
37) Trichloroethene	6.541	130	6221	0.979	ug/l	88
38) 1,2-Dichloropropane	6.792	63	6516	0.960	ug/l	91
39) Methacrylonitrile	4.988	41	1437m	0.858	ug/l	
40) Methyl acrylate	4.875	55	2419m	0.849	ug/l	
41) Tetrahydrofuran	5.078	42	1585	1.626	ug/l #	50
42) 1-Chlorobutane	5.451	56	9903	1.012	ug/l	93
43) Dibromomethane	6.917	93	2872	0.910	ug/l #	82
44) Bromodichloromethane	7.103	83	8332	0.964	ug/l #	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.792	43	18609	4.982	ug/l	97
46) t-1,4-Dichloro-2-butene	10.840	75	2934m	1.868	ug/l	
47) Methyl methacrylate	6.968	69	5782	1.950	ug/l	92
48) Ethyl methacrylate	8.332	69	5885	0.977	ug/l	98
49) Toluene	7.965	92	14759	0.984	ug/l	97
50) t-1,3-Dichloropropene	8.210	75	6972	0.910	ug/l #	87
51) cis-1,3-Dichloropropene	7.605	75	8270	0.887	ug/l	96
52) 1,1,2-Trichloroethane	8.396	97	4365	0.917	ug/l	93
53) 1,3-Dichloropropane	8.573	76	7350	0.916	ug/l	92
54) 2-Hexanone	8.685	43	12119	4.654	ug/l	97
55) Dibromochloromethane	8.808	129	5829	1.024	ug/l	92
56) 1,2-Dibromoethane	8.920	107	3994	0.959	ug/l	97
58) Tetrachloroethene	8.550	164	5338	0.964	ug/l	95
59) Chlorobenzene	9.444	112	17165	0.960	ug/l	95
60) 1,1,1,2-Tetrachloroethane	9.528	131	6265	0.993	ug/l	99
61) Pentachloroethane	11.425	117	4620	0.930	ug/l	91
62) Hexachloroethane	12.470	117	4717	0.924	ug/l	97
63) Ethyl Benzene	9.566	91	28637	0.940	ug/l	98
64) m/p-Xylenes	9.692	106	22066	1.915	ug/l	97
65) o-Xylene	10.097	106	11268	0.971	ug/l	91
66) Styrene	10.113	104	16890	0.906	ug/l	96
67) Bromoform	10.290	173	2821	0.920	ug/l #	97
69) Isopropylbenzene	10.483	105	30097	0.956	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.779	83	5569	0.938	ug/l #	98
71) 1,2,3-Trichloropropane	10.820	75	3787m	0.928	ug/l	
72) Bromobenzene	10.782	156	6923	0.953	ug/l	97
73) n-propylbenzene	10.904	120	7868	0.930	ug/l	98
74) 2-Chlorotoluene	10.984	126	6963	0.945	ug/l	99
75) 1,3,5-Trimethylbenzene	11.084	105	24285	0.947	ug/l	97
76) 4-Chlorotoluene	11.097	126	7574	1.000	ug/l	92
77) tert-Butylbenzene	11.418	119	24662	0.934	ug/l	98
78) 1,2,4-Trimethylbenzene	11.467	105	23102	0.896	ug/l	99
79) sec-Butylbenzene	11.640	105	31861	0.930	ug/l	98
80) Nitrobenzene	13.216	77	867	6.832	ug/l #	56
81) p-Isopropyltoluene	11.791	119	25222	0.903	ug/l	99
82) 1,3-Dichlorobenzene	11.743	146	13759	0.946	ug/l	96
83) 1,4-Dichlorobenzene	11.833	146	13639	0.935	ug/l	98
84) n-Butylbenzene	12.206	91	22151	0.862	ug/l	96
85) 1,2-Dichlorobenzene	12.209	146	13159	0.950	ug/l	96
86) 1,2-Dibromo-3-Chloropr...	12.994	75	648	0.972	ug/l	89
87) 1,2,4-Trichlorobenzene	13.840	180	8178	0.921	ug/l	93
88) Hexachlorobutadiene	14.016	225	4421	0.932	ug/l	98
89) Naphthalene	14.087	128	12321	0.858	ug/l	98
90) 1,2,3-Trichlorobenzene	14.328	180	6721	0.876	ug/l	97

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

