

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020923\
 Data File : VU053015.D
 Acq On : 09 Feb 2023 13:26
 Operator : JC/MD
 Sample : VU0209WBS01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0209WBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 02/10/2023
 Supervised By :Mahesh Dadoda 02/10/2023

Quant Time: Feb 09 13:46:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U012323DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Jan 24 05:16:59 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.112	96	33216	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	12904	1.168	ug/l	0.00
Spiked Amount 1.000			Recovery	=	117.000%	
68) 1,2-Dichlorobenzene-d4	12.189	152	10824	0.952	ug/l	0.00
Spiked Amount 1.000			Recovery	=	95.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	19290	1.716	ug/l	96
3) Chloromethane	1.518	50	19982	1.873	ug/l	99
4) Vinyl Chloride	1.605	62	21968	2.133	ug/l	98
5) Bromomethane	1.859	94	12833	2.397	ug/l	94
6) Chloroethane	1.936	64	13064	2.109	ug/l	97
7) Trichlorofluoromethane	2.138	101	33493	2.232	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.579	101	19142	2.333	ug/l	92
9) 1,1-Dichloroethene	2.579	96	17353	2.239	ug/l	94
10) Iodomethane	2.720	142	20935	2.440	ug/l	96
11) Allyl Chloride	2.920	41	23447	2.532	ug/l	99
12) Acrylonitrile	3.325	53	8102	4.930	ug/l	# 91
13) Acetone	2.659	43	35679	15.308	ug/l	92
14) Carbon Disulfide	2.791	76	50835	1.958	ug/l	98
15) Methylene Chloride	3.042	84	20344	2.173	ug/l	96
16) trans-1,2-Dichloroethene	3.347	96	19147	2.220	ug/l	96
17) 1,1-Dichloroethane	3.865	63	37473	2.574	ug/l	95
18) 2-Butanone	4.733	43	38932	14.378	ug/l	89
19) Cyclohexane	5.379	56	28950	2.261	ug/l	96
20) Methylcyclohexane	6.759	83	30195	2.113	ug/l	98
21) 2,2-Dichloropropane	4.659	77	33980	2.513	ug/l	98
22) cis-1,2-Dichloroethene	4.665	96	20902	2.319	ug/l	92
23) Diethyl Ether	2.376	59	13468	2.458	ug/l	96
24) tert-Butyl Alcohol	3.347	59	11318m	17.155	ug/l	
25) Methyl tert-Butyl Ether	3.363	73	49255	2.770	ug/l	96
26) Bromochloromethane	4.971	128	8924	2.121	ug/l	84
27) Chloroform	5.087	83	37041	2.373	ug/l	100
28) 1,1,1-Trichloroethane	5.312	97	34229	2.375	ug/l	98
29) 1,1-Dichloropropene	5.521	75	24826	2.043	ug/l	99
30) Carbon Tetrachloride	5.518	117	23618	1.806	ug/l	97
31) Isopropyl Ether	3.994	45	54025	2.581	ug/l	99
32) Ethyl-t-butyl ether	4.508	59	55303	2.830	ug/l	96
33) Tert-Amyl methyl ether	5.945	73	43075	2.492	ug/l	98
34) Propionitrile	4.820	54	6846	11.042	ug/l	# 2
35) Benzene	5.768	78	67875	1.925	ug/l	98
36) 1,2-Dichloroethane	5.794	62	19751	1.865	ug/l	95
37) Trichloroethene	6.540	130	17383	1.808	ug/l	90
38) 1,2-Dichloropropane	6.791	63	18942	2.117	ug/l	96
39) Methacrylonitrile	4.984	41	5889	2.378	ug/l	# 88
40) Methyl acrylate	4.852	55	11134	2.537	ug/l	98
41) Tetrahydrofuran	5.074	42	6924	5.621	ug/l	# 71
42) 1-Chlorobutane	5.453	56	32309	2.080	ug/l	99
43) Dibromomethane	6.919	93	8990	1.985	ug/l	85
44) Bromodichloromethane	7.103	83	24838	2.022	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.797	43	52295	10.990	ug/l	95
46) t-1,4-Dichloro-2-butene	10.832	75	10331m	4.141	ug/l	
47) Methyl methacrylate	6.964	69	17865	4.438	ug/l	97
48) Ethyl methacrylate	8.334	69	18152	2.488	ug/l	97
49) Toluene	7.968	92	42875	2.003	ug/l	94
50) t-1,3-Dichloropropene	8.209	75	24086	2.248	ug/l	96
51) cis-1,3-Dichloropropene	7.607	75	28363	2.250	ug/l	96
52) 1,1,2-Trichloroethane	8.398	97	13410	2.083	ug/l	96
53) 1,3-Dichloropropane	8.575	76	22591	2.030	ug/l	98
54) 2-Hexanone	8.688	43	50892	12.225	ug/l	96
55) Dibromochloromethane	8.807	129	15376	1.826	ug/l	97
56) 1,2-Dibromoethane	8.923	107	12147	1.981	ug/l	97
58) Tetrachloroethene	8.550	164	13790	1.590	ug/l	91
59) Chlorobenzene	9.443	112	45681	1.961	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.533	131	16025	1.777	ug/l	94
61) Pentachloroethane	11.424	117	13605	1.841	ug/l	88
62) Hexachloroethane	12.469	117	14800	1.983	ug/l #	77
63) Ethyl Benzene	9.566	91	85731	2.271	ug/l	99
64) m/p-Xylenes	9.691	106	62246	4.137	ug/l	92
65) o-Xylene	10.096	106	31820	2.191	ug/l	95
66) Styrene	10.112	104	49072	2.100	ug/l	94
67) Bromoform	10.289	173	8111	1.632	ug/l #	97
69) Isopropylbenzene	10.482	105	82247	2.226	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.781	83	17575	2.190	ug/l #	96
71) 1,2,3-Trichloropropane	10.832	75	16370m	2.356	ug/l	
72) Bromobenzene	10.781	156	16261	1.733	ug/l	83
73) n-propylbenzene	10.903	120	21676	2.103	ug/l	90
74) 2-Chlorotoluene	10.984	126	18313	1.962	ug/l	87
75) 1,3,5-Trimethylbenzene	11.083	105	69077	2.164	ug/l	94
76) 4-Chlorotoluene	11.093	126	19503	2.036	ug/l	92
77) tert-Butylbenzene	11.418	119	66661	2.075	ug/l	92
78) 1,2,4-Trimethylbenzene	11.463	105	70590	2.190	ug/l	94
79) sec-Butylbenzene	11.640	105	90796	2.173	ug/l	95
80) Nitrobenzene	13.209	77	5619	11.309	ug/l #	91
81) p-Isopropyltoluene	11.787	119	72231	2.074	ug/l #	94
82) 1,3-Dichlorobenzene	11.742	146	34483	1.800	ug/l	95
83) 1,4-Dichlorobenzene	11.832	146	34219	1.779	ug/l #	93
84) n-Butylbenzene	12.202	91	71416	2.329	ug/l	97
85) 1,2-Dichlorobenzene	12.209	146	31571	1.746	ug/l	93
86) 1,2-Dibromo-3-Chloropr...	12.990	75	3136	2.109	ug/l #	80
87) 1,2,4-Trichlorobenzene	13.836	180	20672	1.906	ug/l	95
88) Hexachlorobutadiene	14.016	225	10953	1.441	ug/l	99
89) Naphthalene	14.083	128	45708	2.174	ug/l	99
90) 1,2,3-Trichlorobenzene	14.324	180	19249	1.870	ug/l	97

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

