

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041923\
 Data File : VU053783.D
 Acq On : 19 Apr 2023 15:05
 Operator : JC/MD
 Sample : VSTDICV010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICSVU041923

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 06/08/2023
 Supervised By :Mahesh Dadoda 06/08/2023

Quant Time: Apr 21 09:19:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U041923DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Apr 21 09:18:21 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.108	96	32470	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.629	95	13809	1.084	ug/l	0.00
Spiked Amount 1.000			Recovery	=	108.000%	
68) 1,2-Dichlorobenzene-d4	12.189	152	16256	1.074	ug/l	0.00
Spiked Amount 1.000			Recovery	=	107.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.382	85	86700	8.807	ug/l	99
3) Chloromethane	1.523	50	100889	11.382	ug/l	100
4) Vinyl Chloride	1.604	62	120145	11.723	ug/l	100
5) Bromomethane	1.848	94	83807	10.868	ug/l	98
6) Chloroethane	1.929	64	74233	11.313	ug/l	99
7) Trichlorofluoromethane	2.134	101	180316	10.474	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.578	101	109519	9.772	ug/l	95
9) 1,1-Dichloroethene	2.578	96	102369	11.158	ug/l	85
10) Iodomethane	2.720	142	126552	12.665	ug/l	98
11) Allyl Chloride	2.919	41	128308	11.776	ug/l	95
12) Acrylonitrile	3.308	53	107625	46.949	ug/l	97
13) Acetone	2.620	43	104059	32.473	ug/l	93
14) Carbon Disulfide	2.790	76	254330	16.880	ug/l	100
15) Methylene Chloride	3.041	84	118154	8.790	ug/l	90
16) trans-1,2-Dichloroethene	3.347	96	110649	11.153	ug/l	91
17) 1,1-Dichloroethane	3.861	63	209577	10.243	ug/l	99
18) 2-Butanone	4.710	43	138786	33.411	ug/l	99
19) Cyclohexane	5.372	56	166278m	11.746	ug/l	
20) Methylcyclohexane	6.755	83	160175	12.611	ug/l	90
21) 2,2-Dichloropropane	4.658	77	186505	10.029	ug/l	100
22) cis-1,2-Dichloroethene	4.662	96	131755	10.617	ug/l	95
23) Diethyl Ether	2.372	59	66405	9.817	ug/l	92
24) tert-Butyl Alcohol	3.179	59	38687	42.006	ug/l #	1
25) Methyl tert-Butyl Ether	3.363	73	252671	9.871	ug/l	92
26) Bromochloromethane	4.967	128	43275	7.882	ug/l	94
27) Chloroform	5.083	83	217575	9.847	ug/l	98
28) 1,1,1-Trichloroethane	5.308	97	183797	10.037	ug/l	97
29) 1,1-Dichloropropene	5.514	75	130166	11.167	ug/l	99
30) Carbon Tetrachloride	5.514	117	136865	10.443	ug/l	99
31) Isopropyl Ether	3.996	45	293556	9.920	ug/l #	1
32) Ethyl-t-butyl ether	4.662	59	3839	0.128	ug/l #	34
33) Tert-Amyl methyl ether	5.768	73	6316	0.289	ug/l #	1
34) Propionitrile	4.777	54	82742	89.084	ug/l #	17
35) Benzene	5.764	78	389083	10.838	ug/l	99
36) 1,2-Dichloroethane	5.790	62	111639	9.899	ug/l	100
37) Trichloroethene	6.536	130	106673	10.464	ug/l	96
38) 1,2-Dichloropropane	6.787	63	103364	10.115	ug/l	99
39) Methacrylonitrile	4.977	41	30114	8.125	ug/l #	90
40) Methyl acrylate	4.845	55	55370	9.047	ug/l	96
41) Tetrahydrofuran	5.060	42	78755	42.871	ug/l	94
42) 1-Chlorobutane	5.449	56	179787	11.300	ug/l	94
43) Dibromomethane	6.915	93	54765	10.566	ug/l	98
44) Bromodichloromethane	7.102	83	135222	10.349	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.796	43	249114	47.254	ug/l #	94
46) t-1,4-Dichloro-2-butene	10.822	75	46222m	21.117	ug/l	
47) Methyl methacrylate	6.967	69	44380	9.748	ug/l	90
48) Ethyl methacrylate	8.333	69	91755	10.282	ug/l	87
49) Toluene	7.964	92	249703	11.038	ug/l	98
50) t-1,3-Dichloropropene	8.208	75	129230	11.009	ug/l	98
51) cis-1,3-Dichloropropene	7.604	75	152734	10.897	ug/l	95
52) 1,1,2-Trichloroethane	8.398	97	78933	9.598	ug/l	97
53) 1,3-Dichloropropane	8.571	76	132013	10.252	ug/l	99
54) 2-Hexanone	8.687	43	191179	38.670	ug/l	95
55) Dibromochloromethane	8.806	129	89121	10.304	ug/l	100
56) 1,2-Dibromoethane	8.919	107	75950	10.708	ug/l	99
58) Tetrachloroethene	8.549	164	105283	10.680	ug/l	98
59) Chlorobenzene	9.443	112	281107	9.987	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.530	131	102097	10.059	ug/l	99
61) Pentachloroethane	11.423	117	82031	10.480	ug/l	93
62) Hexachloroethane	12.472	117	83383	10.913	ug/l	95
63) Ethyl Benzene	9.568	91	498564	11.218	ug/l	98
64) m/p-Xylenes	9.690	106	409386	23.380	ug/l	94
65) o-Xylene	10.099	106	195652	11.082	ug/l	96
66) Styrene	10.112	104	325116	11.581	ug/l	99
67) Bromoform	10.288	173	48279	10.742	ug/l	99
69) Isopropylbenzene	10.481	105	519164	11.251	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.780	83	101890	9.622	ug/l	98
71) 1,2,3-Trichloropropane	10.822	75	62390m	8.164	ug/l	
72) Bromobenzene	10.777	156	120679	10.195	ug/l	92
73) n-propylbenzene	10.902	120	148835	11.626	ug/l	90
74) 2-Chlorotoluene	10.983	126	131305	10.851	ug/l	92
75) 1,3,5-Trimethylbenzene	11.086	105	467352	11.610	ug/l	98
76) 4-Chlorotoluene	11.092	126	135619	10.995	ug/l	92
77) tert-Butylbenzene	11.417	119	443756	10.956	ug/l	98
78) 1,2,4-Trimethylbenzene	11.465	105	469507	11.430	ug/l	98
79) sec-Butylbenzene	11.639	105	613251	11.264	ug/l	97
80) Nitrobenzene	13.205	77	3320	9.897	ug/l #	91
81) p-Isopropyltoluene	11.790	119	517055	11.592	ug/l	98
82) 1,3-Dichlorobenzene	11.742	146	261824	10.347	ug/l	100
83) 1,4-Dichlorobenzene	11.832	146	272643	10.807	ug/l	98
84) n-Butylbenzene	12.205	91	473706	9.644	ug/l	97
85) 1,2-Dichlorobenzene	12.208	146	250389	10.119	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.992	75	14938	10.019	ug/l	87
87) 1,2,4-Trichlorobenzene	13.835	180	166852	10.201	ug/l	99
88) Hexachlorobutadiene	14.018	225	87835	10.067	ug/l	99
89) Naphthalene	14.082	128	294312	10.268	ug/l	98
90) 1,2,3-Trichlorobenzene	14.327	180	150526	9.679	ug/l	100

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

