

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072223\
 Data File : VU054847.D
 Acq On : 21 Jul 2023 21:04
 Operator : MD/SY
 Sample : VSTDICV010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICSVU072223

Manual Integrations
 APPROVED

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

Quant Time: Jul 24 11:48:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U072123DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Jul 24 09:59:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.113	96	27855	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	10215	1.214	ug/l	0.00
Spiked Amount 1.000			Recovery	=	121.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	9615	0.987	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	40968	7.391	ug/l	100
3) Chloromethane	1.518	50	60384	9.381	ug/l	95
4) Vinyl Chloride	1.602	62	81224	9.830	ug/l	96
5) Bromomethane	1.856	94	61268	10.448	ug/l	97
6) Chloroethane	1.933	64	73725	9.442	ug/l	100
7) Trichlorofluoromethane	2.136	101	184472	9.212	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	53371	9.302	ug/l	96
9) 1,1-Dichloroethene	2.576	96	48779	10.179	ug/l	98
10) Iodomethane	2.718	142	78739	10.201	ug/l	99
11) Allyl Chloride	2.920	41	60124	10.696	ug/l	98
12) Acrylonitrile	3.319	53	58218	49.937	ug/l	95
13) Acetone	2.644	43	38226	38.245	ug/l	98
14) Carbon Disulfide	2.788	76	99892	12.365	ug/l	99
15) Methylene Chloride	3.039	84	65304	9.330	ug/l	97
16) trans-1,2-Dichloroethene	3.348	96	55462	10.416	ug/l	93
17) 1,1-Dichloroethane	3.866	63	113695	10.090	ug/l	97
18) 2-Butanone	4.714	43	66668	45.597	ug/l	93
19) Cyclohexane	5.383	56	65138	9.985	ug/l	89
20) Methylcyclohexane	6.759	83	92535	10.680	ug/l	98
21) 2,2-Dichloropropane	4.663	77	87532	8.906	ug/l	96
22) cis-1,2-Dichloroethene	4.660	96	70155	10.405	ug/l	98
23) Diethyl Ether	2.374	59	68462	9.299	ug/l	99
24) tert-Butyl Alcohol	3.184	59	34757m	54.803	ug/l	
25) Methyl tert-Butyl Ether	3.361	73	152491	10.429	ug/l	97
26) Bromochloromethane	4.975	128	15541	6.047	ug/l	96
27) Chloroform	5.084	83	123043	9.937	ug/l	97
28) 1,1,1-Trichloroethane	5.312	97	102418	9.842	ug/l	99
29) 1,1-Dichloropropene	5.525	75	79504	10.742	ug/l	99
30) Carbon Tetrachloride	5.521	117	89362	10.333	ug/l	99
31) Isopropyl Ether	3.988	45	170661	10.234	ug/l	# 1
34) Propionitrile	4.788	54	49188	112.460	ug/l	# 96
35) Benzene	5.772	78	251428	10.454	ug/l	98
36) 1,2-Dichloroethane	5.792	62	67914	9.829	ug/l	99
37) Trichloroethene	6.541	130	64901	9.985	ug/l	94
38) 1,2-Dichloropropane	6.785	63	68618	9.883	ug/l	99
39) Methacrylonitrile	4.975	41	16174	10.389	ug/l	97
40) Methyl acrylate	4.849	55	30130	11.339	ug/l	# 94
41) Tetrahydrofuran	5.058	42	46201	50.209	ug/l	98
42) 1-Chlorobutane	5.454	56	108464	10.833	ug/l	95
43) Dibromomethane	6.914	93	34994	10.834	ug/l	99
44) Bromodichloromethane	7.103	83	93905	10.612	ug/l	97
45) 4-Methyl-2-Pentanone	7.788	43	189600	49.601	ug/l	100
46) t-1,4-Dichloro-2-butene	10.830	75	18298m	11.434	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Methyl methacrylate	6.959	69	30856	10.169	ug/l	97
48) Ethyl methacrylate	8.332	69	63894	10.365	ug/l	98
49) Toluene	7.965	92	164886	10.744	ug/l	95
50) t-1,3-Dichloropropene	8.206	75	84536	10.777	ug/l	95
51) cis-1,3-Dichloropropene	7.605	75	101958	10.690	ug/l	98
52) 1,1,2-Trichloroethane	8.396	97	51212	10.509	ug/l	92
53) 1,3-Dichloropropane	8.573	76	84863	10.333	ug/l	96
54) 2-Hexanone	8.682	43	132595	49.755	ug/l	100
55) Dibromochloromethane	8.807	129	61518	10.565	ug/l	99
56) 1,2-Dibromoethane	8.920	107	46205	10.840	ug/l	100
58) Tetrachloroethene	8.550	164	58153	10.266	ug/l	98
59) Chlorobenzene	9.444	112	182978	10.002	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.531	131	68579	10.619	ug/l	96
61) Pentachloroethane	11.425	117	55048	10.827	ug/l	99
62) Hexachloroethane	12.473	117	55112	10.553	ug/l	96
63) Ethyl Benzene	9.566	91	326692	10.476	ug/l	99
64) m/p-Xylenes	9.692	106	250659	21.259	ug/l	99
65) o-Xylene	10.097	106	123295	10.382	ug/l	98
66) Styrene	10.110	104	209434	10.976	ug/l	100
67) Bromoform	10.287	173	34601	11.029	ug/l	96
69) Isopropylbenzene	10.483	105	333224	10.341	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.778	83	64059	10.542	ug/l	97
71) 1,2,3-Trichloropropane	10.820	75	40213m	9.390	ug/l	
72) Bromobenzene	10.778	156	75748	10.190	ug/l	100
73) n-propylbenzene	10.904	120	89115	10.294	ug/l	99
74) 2-Chlorotoluene	10.984	126	79585	10.557	ug/l	98
75) 1,3,5-Trimethylbenzene	11.084	105	276203	10.522	ug/l	99
76) 4-Chlorotoluene	11.094	126	81413	10.505	ug/l	96
77) tert-Butylbenzene	11.418	119	281480	10.412	ug/l	99
78) 1,2,4-Trimethylbenzene	11.463	105	277659	10.518	ug/l	99
79) sec-Butylbenzene	11.640	105	379913	10.831	ug/l	98
80) Nitrobenzene	13.209	77	1919	11.207	ug/l #	86
81) p-Isopropyltoluene	11.791	119	304717	10.665	ug/l	99
82) 1,3-Dichlorobenzene	11.743	146	155949	10.480	ug/l	100
83) 1,4-Dichlorobenzene	11.833	146	153475	10.283	ug/l	100
84) n-Butylbenzene	12.206	91	296020	11.261	ug/l	99
85) 1,2-Dichlorobenzene	12.209	146	146456	10.333	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.994	75	9195	9.625	ug/l	96
87) 1,2,4-Trichlorobenzene	13.836	180	99806	10.983	ug/l	100
88) Hexachlorobutadiene	14.016	225	50488	10.401	ug/l	98
89) Naphthalene	14.084	128	162499	11.057	ug/l	99
90) 1,2,3-Trichlorobenzene	14.325	180	87421	11.132	ug/l	99

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

