

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041923\
 Data File : VU053786.D
 Acq On : 19 Apr 2023 17:11
 Operator : JC/MD
 Sample : VU0419WBSD01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0419WBSD01

Manual Integrations
 APPROVED

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

Quant Time: Apr 21 09:31:21 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	28566	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.629	95	11073	0.988	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.000%	
68) 1,2-Dichlorobenzene-d4	12.192	152	13261	0.996	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	16429	1.897	ug/l	96
3) Chloromethane	1.520	50	14320	1.836	ug/l	93
4) Vinyl Chloride	1.604	62	17187	1.906	ug/l	99
5) Bromomethane	1.851	94	12997	1.916	ug/l	96
6) Chloroethane	1.928	64	10575	1.832	ug/l	99
7) Trichlorofluoromethane	2.137	101	29205	1.928	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.578	101	18737	1.900	ug/l	93
9) 1,1-Dichloroethene	2.578	96	15220	1.886	ug/l	86
10) Iodomethane	2.719	142	15543	1.768	ug/l	93
11) Allyl Chloride	2.919	41	18244	1.903	ug/l	98
12) Acrylonitrile	3.314	53	7557	3.747	ug/l #	85
13) Acetone	2.626	43	21946	7.785	ug/l	99
14) Carbon Disulfide	2.790	76	24984	1.885	ug/l	95
15) Methylene Chloride	3.041	84	22294	1.885	ug/l #	86
16) trans-1,2-Dichloroethene	3.350	96	16504	1.891	ug/l	87
17) 1,1-Dichloroethane	3.861	63	35782	1.988	ug/l	99
18) 2-Butanone	4.719	43	30163	8.254	ug/l	96
19) Cyclohexane	5.375	56	24081m	1.934	ug/l	
20) Methylcyclohexane	6.755	83	19954	1.786	ug/l	93
21) 2,2-Dichloropropane	4.655	77	30475	1.863	ug/l	97
22) cis-1,2-Dichloroethene	4.658	96	21013	1.925	ug/l	94
23) Diethyl Ether	2.375	59	11511	1.934	ug/l	93
24) tert-Butyl Alcohol	3.208	59	15362	18.959	ug/l #	1
25) Methyl tert-Butyl Ether	3.366	73	43784	1.944	ug/l	95
26) Bromochloromethane	4.970	128	8690	1.799	ug/l	92
27) Chloroform	5.083	83	37351	1.921	ug/l	99
28) 1,1,1-Trichloroethane	5.308	97	30527	1.895	ug/l	97
29) 1,1-Dichloropropene	5.517	75	20028	1.953	ug/l	96
30) Carbon Tetrachloride	5.513	117	21825	1.893	ug/l	98
31) Isopropyl Ether	3.996	45	50445	1.938	ug/l	93
32) Ethyl-t-butyl ether	4.510	59	49475	1.879	ug/l	93
33) Tert-Amyl methyl ether	5.948	73	35584	1.849	ug/l	97
34) Propionitrile	4.787	54	8117	9.934	ug/l #	9
35) Benzene	5.764	78	59588	1.887	ug/l	98
36) 1,2-Dichloroethane	5.793	62	18640	1.879	ug/l	100
37) Trichloroethene	6.536	130	16844	1.878	ug/l	92
38) 1,2-Dichloropropane	6.790	63	17563	1.954	ug/l	96
39) Methacrylonitrile	4.977	41	5892	1.807	ug/l #	93
40) Methyl acrylate	4.851	55	9686	1.799	ug/l #	93
41) Tetrahydrofuran	5.067	42	6442	3.986	ug/l	98
42) 1-Chlorobutane	5.449	56	26579	1.899	ug/l	99
43) Dibromomethane	6.919	93	8521	1.869	ug/l	97
44) Bromodichloromethane	7.105	83	20842	1.813	ug/l #	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.796	43	43636	9.409	ug/l	98
46) t-1,4-Dichloro-2-butene	10.832	75	7683m	3.990	ug/l	
47) Methyl methacrylate	6.967	69	14318	3.575	ug/l	93
48) Ethyl methacrylate	8.337	69	13998	1.783	ug/l	94
49) Toluene	7.967	92	34963	1.757	ug/l	98
50) t-1,3-Dichloropropene	8.211	75	18341	1.776	ug/l	92
51) cis-1,3-Dichloropropene	7.607	75	22442	1.820	ug/l	95
52) 1,1,2-Trichloroethane	8.398	97	13447	1.859	ug/l	96
53) 1,3-Dichloropropane	8.574	76	21808	1.925	ug/l	97
54) 2-Hexanone	8.690	43	34673	7.972	ug/l	98
55) Dibromochloromethane	8.809	129	13845	1.820	ug/l	100
56) 1,2-Dibromoethane	8.925	107	11789	1.889	ug/l	98
58) Tetrachloroethene	8.549	164	15158	1.748	ug/l	91
59) Chlorobenzene	9.443	112	45249	1.827	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.533	131	17294	1.937	ug/l	96
61) Pentachloroethane	11.423	117	12712	1.846	ug/l	100
62) Hexachloroethane	12.471	117	10981	1.634	ug/l	98
63) Ethyl Benzene	9.568	91	67972	1.738	ug/l	95
64) m/p-Xylenes	9.690	106	53802	3.493	ug/l	95
65) o-Xylene	10.099	106	27217	1.752	ug/l	96
66) Styrene	10.111	104	43539	1.763	ug/l	99
67) Bromoform	10.288	173	7345	1.858	ug/l #	96
69) Isopropylbenzene	10.481	105	72032	1.774	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.780	83	16965	1.821	ug/l	99
71) 1,2,3-Trichloropropane	10.822	75	17832m	2.652	ug/l	
72) Bromobenzene	10.780	156	18919	1.817	ug/l	93
73) n-propylbenzene	10.902	120	19630	1.743	ug/l	90
74) 2-Chlorotoluene	10.983	126	18882	1.774	ug/l	88
75) 1,3,5-Trimethylbenzene	11.086	105	62394	1.762	ug/l	99
76) 4-Chlorotoluene	11.095	126	20412	1.881	ug/l	82
77) tert-Butylbenzene	11.417	119	64118	1.799	ug/l	94
78) 1,2,4-Trimethylbenzene	11.465	105	63912	1.769	ug/l	100
79) sec-Butylbenzene	11.639	105	83314	1.739	ug/l	99
80) Nitrobenzene	13.204	77	2312	7.834	ug/l	99
81) p-Isopropyltoluene	11.790	119	67447	1.719	ug/l	99
82) 1,3-Dichlorobenzene	11.742	146	38626	1.735	ug/l	98
83) 1,4-Dichlorobenzene	11.835	146	40231	1.813	ug/l	99
84) n-Butylbenzene	12.205	91	60236	1.820	ug/l	98
85) 1,2-Dichlorobenzene	12.211	146	38692	1.777	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.996	75	2622	1.999	ug/l	97
87) 1,2,4-Trichlorobenzene	13.838	180	23752	1.651	ug/l	97
88) Hexachlorobutadiene	14.018	225	13230	1.724	ug/l	96
89) Naphthalene	14.082	128	42114	1.670	ug/l	99
90) 1,2,3-Trichlorobenzene	14.327	180	22268	1.628	ug/l	99

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

