

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041923\
 Data File : VU053781.D
 Acq On : 19 Apr 2023 14:03
 Operator : JC/MD
 Sample : VSTDIC0.5
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

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

Quant Time: Apr 20 08:39:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U041923DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Apr 20 08:39:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.108	96	29567	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	10499	0.905	ug/l	0.00
Spiked Amount 1.000			Recovery	=	91.000%	
68) 1,2-Dichlorobenzene-d4	12.192	152	12227	0.887	ug/l	0.00
Spiked Amount 1.000			Recovery	=	89.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	4512	0.503	ug/l	95
3) Chloromethane	1.523	50	4488	0.556	ug/l	95
4) Vinyl Chloride	1.604	62	4829	0.517	ug/l	90
5) Bromomethane	1.854	94	4593	0.654	ug/l	85
6) Chloroethane	1.932	64	3199	0.535	ug/l	# 80
7) Trichlorofluoromethane	2.137	101	8168	0.521	ug/l	93
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	5288	0.518	ug/l	93
9) 1,1-Dichloroethene	2.578	96	4524	0.542	ug/l	79
11) Allyl Chloride	2.919	41	5589	0.563	ug/l	92
12) Acrylonitrile	3.317	53	2115	1.013	ug/l	# 87
13) Acetone	2.629	43	8037	2.754	ug/l	88
14) Carbon Disulfide	2.790	76	7624	0.556	ug/l	97
15) Methylene Chloride	3.044	84	8169	0.667	ug/l	# 85
16) trans-1,2-Dichloroethene	3.346	96	4972	0.550	ug/l	86
17) 1,1-Dichloroethane	3.861	63	9678	0.519	ug/l	95
18) 2-Butanone	4.716	43	10851	2.869	ug/l	99
19) Cyclohexane	5.375	56	6786m	0.526	ug/l	
20) Methylcyclohexane	6.755	83	5782	0.500	ug/l	89
21) 2,2-Dichloropropane	4.658	77	9428	0.557	ug/l	91
22) cis-1,2-Dichloroethene	4.661	96	6028	0.533	ug/l	100
23) Diethyl Ether	2.375	59	3304	0.536	ug/l	91
25) Methyl tert-Butyl Ether	3.369	73	11582	0.497	ug/l	96
26) Bromochloromethane	4.970	128	2988	0.598	ug/l	# 72
27) Chloroform	5.083	83	10234	0.509	ug/l	89
28) 1,1,1-Trichloroethane	5.304	97	8592	0.515	ug/l	98
29) 1,1-Dichloropropene	5.510	75	5697	0.537	ug/l	97
30) Carbon Tetrachloride	5.513	117	5997	0.502	ug/l	98
31) Isopropyl Ether	3.996	45	14239	0.528	ug/l	92
32) Ethyl-t-butyl ether	4.507	59	13913	0.510	ug/l	87
33) Tert-Amyl methyl ether	5.947	73	10198	0.512	ug/l	98
34) Propionitrile	4.784	54	2500	2.956	ug/l	# 15
35) Benzene	5.771	78	16702	0.511	ug/l	98
36) 1,2-Dichloroethane	5.790	62	5456	0.531	ug/l	97
37) Trichloroethene	6.536	130	4784	0.515	ug/l	92
38) 1,2-Dichloropropane	6.790	63	4534	0.487	ug/l	100
39) Methacrylonitrile	4.983	41	2167	0.642	ug/l	# 87
40) Methyl acrylate	4.848	55	3422	0.614	ug/l	# 93
41) Tetrahydrofuran	5.073	42	2241m	1.333	ug/l	
42) 1-Chlorobutane	5.446	56	7707	0.532	ug/l	99
43) Dibromomethane	6.919	93	2401	0.509	ug/l	95
44) Bromodichloromethane	7.105	83	6140	0.516	ug/l	# 85
45) 4-Methyl-2-Pentanone	7.800	43	11781	2.454	ug/l	97
46) t-1,4-Dichloro-2-butene	10.835	75	1674m	0.840	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Methyl methacrylate	6.967	69	4118	0.993	ug/l	86
48) Ethyl methacrylate	8.336	69	3790	0.466	ug/l	85
49) Toluene	7.967	92	10134	0.492	ug/l	95
50) t-1,3-Dichloropropene	8.208	75	5081	0.475	ug/l	92
51) cis-1,3-Dichloropropene	7.607	75	6186	0.485	ug/l	91
52) 1,1,2-Trichloroethane	8.401	97	3937	0.526	ug/l	88
53) 1,3-Dichloropropane	8.574	76	5537	0.472	ug/l	93
54) 2-Hexanone	8.690	43	11305	2.511	ug/l	99
55) Dibromochloromethane	8.809	129	3727	0.473	ug/l	97
56) 1,2-Dibromoethane	8.922	107	3083	0.477	ug/l	90
58) Tetrachloroethene	8.552	164	4532	0.505	ug/l	95
59) Chlorobenzene	9.446	112	12728	0.497	ug/l	92
60) 1,1,1,2-Tetrachloroethane	9.529	131	4377	0.474	ug/l	97
61) Pentachloroethane	11.426	117	3404	0.478	ug/l	100
62) Hexachloroethane	12.471	117	3092	0.444	ug/l	98
63) Ethyl Benzene	9.568	91	18659	0.461	ug/l	99
64) m/p-Xylenes	9.693	106	14373	0.901	ug/l	96
65) o-Xylene	10.095	106	7520	0.468	ug/l	88
66) Styrene	10.111	104	10878	0.426	ug/l	100
67) Bromoform	10.288	173	1757	0.429	ug/l #	85
69) Isopropylbenzene	10.484	105	18153	0.432	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.780	83	5156	0.535	ug/l	91
71) 1,2,3-Trichloropropane	10.822	75	3477m	0.500	ug/l	
72) Bromobenzene	10.780	156	5247	0.487	ug/l	92
73) n-propylbenzene	10.902	120	4505	0.386	ug/l	81
74) 2-Chlorotoluene	10.983	126	5124	0.465	ug/l	96
75) 1,3,5-Trimethylbenzene	11.086	105	15362	0.419	ug/l	96
76) 4-Chlorotoluene	11.098	126	4961	0.442	ug/l	93
77) tert-Butylbenzene	11.417	119	16605	0.450	ug/l	93
78) 1,2,4-Trimethylbenzene	11.465	105	15328	0.410	ug/l	100
79) sec-Butylbenzene	11.642	105	21553	0.435	ug/l	96
80) Nitrobenzene	13.204	77	858m	2.809	ug/l	
81) p-Isopropyltoluene	11.790	119	17267	0.425	ug/l	99
82) 1,3-Dichlorobenzene	11.745	146	10797	0.469	ug/l	97
83) 1,4-Dichlorobenzene	11.835	146	10782	0.466	ug/l	96
84) n-Butylbenzene	12.204	91	16427	0.666	ug/l	98
85) 1,2-Dichlorobenzene	12.211	146	10812	0.480	ug/l	94
86) 1,2-Dibromo-3-Chloropr...	12.995	75	594	0.438	ug/l #	66
87) 1,2,4-Trichlorobenzene	13.838	180	8251	0.554	ug/l	99
88) Hexachlorobutadiene	14.018	225	3952	0.497	ug/l	90
90) 1,2,3-Trichlorobenzene	14.330	180	8007	0.565	ug/l	97

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

