

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101422\
 Data File : VU051426.D
 Acq On : 14 Oct 2022 17:38
 Operator : JC/MD
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/17/2022
 Supervised By :Mahesh Dadoda 10/18/2022

Quant Time: Oct 15 06:10:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U100422DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Oct 05 02:45:21 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.112	96	62844	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	22279	1.079	ug/l	0.00
Spiked Amount 1.000			Recovery	=	108.000%	
68) 1,2-Dichlorobenzene-d4	12.192	152	23805	1.037	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	212355	10.281	ug/l	100
3) Chloromethane	1.527	50	274985	9.925	ug/l	100
4) Vinyl Chloride	1.601	62	270236	10.273	ug/l	100
5) Bromomethane	1.845	94	150410	8.981	ug/l	100
6) Chloroethane	1.928	64	162301	9.833	ug/l	99
7) Trichlorofluoromethane	2.134	101	305996	10.263	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.578	101	174120	10.147	ug/l	95
9) 1,1-Dichloroethene	2.578	96	172778	9.557	ug/l	98
10) Iodomethane	2.716	142	247964	9.408	ug/l	98
11) Allyl Chloride	2.919	41	267553	9.459	ug/l	93
12) Acrylonitrile	3.311	53	105540	18.672	ug/l	97
13) Acetone	2.623	43	169313	55.992	ug/l	93
14) Carbon Disulfide	2.787	76	606885	8.864	ug/l	100
15) Methylene Chloride	3.038	84	221596	10.269	ug/l	98
16) trans-1,2-Dichloroethene	3.343	96	189531	9.283	ug/l	99
17) 1,1-Dichloroethane	3.864	63	359759	10.106	ug/l	99
18) 2-Butanone	4.710	43	265699	57.647	ug/l	99
19) Cyclohexane	5.382	56	251424m	10.530	ug/l	
20) Methylcyclohexane	6.761	83	252895	10.581	ug/l	97
21) 2,2-Dichloropropane	4.658	77	253244	10.434	ug/l	100
22) cis-1,2-Dichloroethene	4.661	96	196737	10.036	ug/l	97
23) Diethyl Ether	2.375	59	155082	9.624	ug/l	98
24) tert-Butyl Alcohol	3.192	59	165289	217.357	ug/l	97
25) Methyl tert-Butyl Ether	3.366	73	459794	9.572	ug/l	95
26) Bromochloromethane	4.970	128	93467	9.918	ug/l	98
27) Chloroform	5.086	83	363255	10.026	ug/l	97
28) 1,1,1-Trichloroethane	5.311	97	283682	9.893	ug/l	98
29) 1,1-Dichloropropene	5.520	75	242853	10.647	ug/l	100
30) Carbon Tetrachloride	5.520	117	243702	10.021	ug/l	97
31) Isopropyl Ether	3.999	45	434001	9.287	ug/l	83
32) Ethyl-t-butyl ether	4.507	59	394080	9.599	ug/l	96
33) Tert-Amyl methyl ether	5.944	73	388432	10.592	ug/l	98
34) Propionitrile	4.777	54	90023	59.732	ug/l	99
35) Benzene	5.771	78	776661	10.224	ug/l	97
36) 1,2-Dichloroethane	5.793	62	242968	10.190	ug/l	99
37) Trichloroethene	6.539	130	176839	9.566	ug/l	99
38) 1,2-Dichloropropane	6.790	63	221674	10.689	ug/l	98
39) Methacrylonitrile	4.977	41	59022	10.831	ug/l	92
40) Methyl acrylate	4.848	55	97469	10.347	ug/l	98
41) Tetrahydrofuran	5.060	42	61257	21.222	ug/l	94
42) 1-Chlorobutane	5.456	56	333116	10.466	ug/l	100
43) Dibromomethane	6.915	93	113372	10.180	ug/l	96
44) Bromodichloromethane	7.105	83	260417	10.018	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.793	43	639740	54.657	ug/l	99
46) t-1,4-Dichloro-2-butene	10.835	75	87253m	22.599	ug/l	
47) Methyl methacrylate	6.960	69	202679	22.748	ug/l	93
48) Ethyl methacrylate	8.333	69	163064	10.916	ug/l	94
49) Toluene	7.967	92	452662	10.974	ug/l	98
50) t-1,3-Dichloropropene	8.208	75	228471	10.931	ug/l	99
51) cis-1,3-Dichloropropene	7.607	75	250803	10.297	ug/l	95
52) 1,1,2-Trichloroethane	8.398	97	159050	9.845	ug/l	98
53) 1,3-Dichloropropane	8.575	76	272275	10.614	ug/l	99
54) 2-Hexanone	8.684	43	446771	53.933	ug/l	100
55) Dibromochloromethane	8.809	129	176029	10.000	ug/l	98
56) 1,2-Dibromoethane	8.922	107	145412	10.054	ug/l	100
58) Tetrachloroethene	8.552	164	182023	9.738	ug/l	99
59) Chlorobenzene	9.446	112	455587	10.016	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.533	131	177957	9.974	ug/l	98
61) Pentachloroethane	11.423	117	128029	10.369	ug/l	84
62) Hexachloroethane	12.471	117	146984	10.315	ug/l	95
63) Ethyl Benzene	9.568	91	755772	10.821	ug/l	99
64) m/p-Xylenes	9.690	106	660999	19.678	ug/l	97
65) o-Xylene	10.099	106	295682	11.045	ug/l	98
66) Styrene	10.111	104	523882	9.619	ug/l	98
67) Bromoform	10.288	173	98937	9.738	ug/l	99
69) Isopropylbenzene	10.484	105	725313	9.024	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.780	83	205547	9.964	ug/l	97
71) 1,2,3-Trichloropropane	10.825	75	193916m	11.582	ug/l	
72) Bromobenzene	10.780	156	189280	10.442	ug/l	99
73) n-propylbenzene	10.906	120	216228	9.612	ug/l	98
74) 2-Chlorotoluene	10.983	126	200380	11.409	ug/l	96
75) 1,3,5-Trimethylbenzene	11.086	105	706057	9.641	ug/l	99
76) 4-Chlorotoluene	11.095	126	211237	10.023	ug/l	91
77) tert-Butylbenzene	11.417	119	602438	10.987	ug/l	99
78) 1,2,4-Trimethylbenzene	11.465	105	742404	9.724	ug/l	98
79) sec-Butylbenzene	11.642	105	868144	9.436	ug/l	100
80) Nitrobenzene	13.205	77	47425	50.309	ug/l	98
81) p-Isopropyltoluene	11.793	119	722852	9.540	ug/l	99
82) 1,3-Dichlorobenzene	11.745	146	393091	10.289	ug/l	99
83) 1,4-Dichlorobenzene	11.835	146	398092	10.572	ug/l	99
84) n-Butylbenzene	12.208	91	625865	9.063	ug/l	97
85) 1,2-Dichlorobenzene	12.211	146	386482	10.269	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.996	75	33456	10.489	ug/l	88
87) 1,2,4-Trichlorobenzene	13.838	180	169432	8.032	ug/l	97
88) Hexachlorobutadiene	14.018	225	124634	9.528	ug/l	99
89) Naphthalene	14.086	128	332682	9.113	ug/l	98
90) 1,2,3-Trichlorobenzene	14.327	180	193116	8.733	ug/l	99

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

