

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020224\
 Data File : VU057784.D
 Acq On : 02 Feb 2024 09:20
 Operator : MD/SY
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/14/2024
 Supervised By : Mahesh Dadoda 02/14/2024

Quant Time: Feb 03 05:50:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U013124DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Feb 02 00:27:55 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.110	96	43878	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	20999	1.264	ug/l	0.00
Spiked Amount 1.000			Recovery	=	126.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	14413	0.963	ug/l	0.00
Spiked Amount 1.000			Recovery	=	96.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	144025	9.858	ug/l	100
3) Chloromethane	1.518	50	136208	9.716	ug/l	100
4) Vinyl Chloride	1.602	62	145248	10.161	ug/l	99
5) Bromomethane	1.856	94	85326	10.058	ug/l	100
6) Chloroethane	1.933	64	92715	10.267	ug/l	100
7) Trichlorofluoromethane	2.132	101	217061	9.916	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	112752	10.019	ug/l	97
9) 1,1-Dichloroethene	2.576	96	108486	9.948	ug/l	99
10) Iodomethane	2.718	142	140441	10.859	ug/l	96
11) Allyl Chloride	2.917	41	155630	10.522	ug/l	88
12) Acrylonitrile	3.322	53	42389	22.777	ug/l	97
13) Acetone	2.650	43	200632	59.567	ug/l	93
14) Carbon Disulfide	2.788	76	354993	10.170	ug/l	99
15) Methylene Chloride	3.039	84	122276	9.388	ug/l	100
16) trans-1,2-Dichloroethene	3.348	96	122222	10.265	ug/l	97
17) 1,1-Dichloroethane	3.862	63	234610	10.438	ug/l	99
18) 2-Butanone	4.711	43	215028	59.232	ug/l	97
19) Cyclohexane	5.380	56	176581	10.025	ug/l	87
20) Methylcyclohexane	6.756	83	220076	10.339	ug/l	97
21) 2,2-Dichloropropane	4.656	77	209703	10.507	ug/l	97
22) cis-1,2-Dichloroethene	4.660	96	132000	10.123	ug/l	95
23) Diethyl Ether	2.370	59	80803	10.266	ug/l	100
24) tert-Butyl Alcohol	3.345	59	93255m	104.236	ug/l	
25) Methyl tert-Butyl Ether	3.357	73	262777	10.269	ug/l	95
26) Bromochloromethane	4.968	128	52011	9.929	ug/l	97
27) Chloroform	5.081	83	240355	10.286	ug/l	97
28) 1,1,1-Trichloroethane	5.309	97	215818	10.228	ug/l	100
29) 1,1-Dichloropropene	5.521	75	178199	10.439	ug/l	97
30) Carbon Tetrachloride	5.518	117	186851	10.278	ug/l	99
31) Isopropyl Ether	3.981	45	346354	10.531	ug/l	95
32) Ethyl-t-butyl ether	4.492	59	318409	10.426	ug/l	100
33) Tert-Amyl methyl ether	5.933	73	261809	10.183	ug/l	97
34) Propionitrile	4.798	54	40710	54.107	ug/l	# 11
35) Benzene	5.769	78	502814	10.230	ug/l	99
36) 1,2-Dichloroethane	5.788	62	146807	10.250	ug/l	97
37) Trichloroethene	6.537	130	132036	10.116	ug/l	99
38) 1,2-Dichloropropane	6.785	63	131254	10.299	ug/l	100
39) Methacrylonitrile	4.971	41	33233	11.082	ug/l	98
40) Methyl acrylate	4.843	55	49091	8.173	ug/l	# 96
41) Tetrahydrofuran	5.058	42	31448	19.641	ug/l	96
42) 1-Chlorobutane	5.451	56	238717	10.606	ug/l	96
43) Dibromomethane	6.914	93	60837	10.380	ug/l	97
44) Bromodichloromethane	7.100	83	170101	10.366	ug/l	99

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45) 4-Methyl-2-Pentanone	7.785	43	331523	53.076	ug/l	98
46) t-1,4-Dichloro-2-butene	10.836	75	34063m	20.144	ug/l	
47) Methyl methacrylate	6.955	69	110193	21.284	ug/l	94
48) Ethyl methacrylate	8.328	69	106969	10.308	ug/l	94
49) Toluene	7.965	92	311826	10.386	ug/l	96
50) t-1,3-Dichloropropene	8.206	75	152603	10.772	ug/l	98
51) cis-1,3-Dichloropropene	7.602	75	189782	10.576	ug/l	94
52) 1,1,2-Trichloroethane	8.396	97	82274	10.188	ug/l	99
53) 1,3-Dichloropropane	8.569	76	148449	10.227	ug/l	99
54) 2-Hexanone	8.682	43	325756	56.654	ug/l	98
55) Dibromochloromethane	8.804	129	102750	10.279	ug/l	98
56) 1,2-Dibromoethane	8.920	107	77730	10.458	ug/l	99
58) Tetrachloroethene	8.550	164	113246	9.833	ug/l	94
59) Chlorobenzene	9.441	112	338060	10.184	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.528	131	116185	10.310	ug/l	97
61) Pentachloroethane	11.421	117	90373	11.031	ug/l	90
62) Hexachloroethane	12.470	117	96656	8.987	ug/l	97
63) Ethyl Benzene	9.566	91	614882	10.415	ug/l	99
64) m/p-Xylenes	9.688	106	452587	21.108	ug/l	96
65) o-Xylene	10.097	106	221262	10.425	ug/l	95
66) Styrene	10.110	104	342955	10.826	ug/l	96
67) Bromoform	10.286	173	53714	10.440	ug/l	99
69) Isopropylbenzene	10.479	105	590261	10.608	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.778	83	101636	10.042	ug/l	98
71) 1,2,3-Trichloropropane	10.820	75	77199m	9.238	ug/l	
72) Bromobenzene	10.778	156	124094	10.135	ug/l	96
73) n-propylbenzene	10.901	120	149444	10.689	ug/l	99
74) 2-Chlorotoluene	10.981	126	135232	10.427	ug/l	96
75) 1,3,5-Trimethylbenzene	11.084	105	498550	10.431	ug/l	99
76) 4-Chlorotoluene	11.093	126	138181	10.601	ug/l	95
77) tert-Butylbenzene	11.415	119	460172	10.260	ug/l	99
78) 1,2,4-Trimethylbenzene	11.463	105	505297	10.424	ug/l	99
79) sec-Butylbenzene	11.637	105	578406	10.090	ug/l	99
80) Nitrobenzene	13.206	77	11363	44.733	ug/l #	92
81) p-Isopropyltoluene	11.788	119	497617	10.296	ug/l	98
82) 1,3-Dichlorobenzene	11.740	146	249821	10.092	ug/l	97
83) 1,4-Dichlorobenzene	11.830	146	247049	10.223	ug/l	98
84) n-Butylbenzene	12.203	91	493888	10.685	ug/l	99
85) 1,2-Dichlorobenzene	12.206	146	229516	10.219	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.994	75	15925	9.641	ug/l	94
87) 1,2,4-Trichlorobenzene	13.836	180	143018	10.657	ug/l	98
88) Hexachlorobutadiene	14.016	225	86065	9.995	ug/l	100
89) Naphthalene	14.084	128	202079	9.754	ug/l	98
90) 1,2,3-Trichlorobenzene	14.325	180	111674	10.002	ug/l	99

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

