

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091123\
 Data File : VU055226.D
 Acq On : 11 Sep 2023 09:38
 Operator : MD/SY
 Sample : VSTDICC001
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/12/2023
 Supervised By : Mahesh Dadoda 09/12/2023

Quant Time: Sep 11 10:11:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U091123DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Sep 11 09:45:59 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.116	96	58504	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.634	95	21936	1.038	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.000%	
68) 1,2-Dichlorobenzene-d4	12.193	152	21231	1.002	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	19239	0.910	ug/l	98
3) Chloromethane	1.518	50	20322	0.943	ug/l	97
4) Vinyl Chloride	1.602	62	20655	0.907	ug/l	99
5) Bromomethane	1.853	94	18049	0.936	ug/l	96
6) Chloroethane	1.930	64	13579	0.933	ug/l	95
7) Trichlorofluoromethane	2.136	101	28850	0.846	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.579	101	14572	0.862	ug/l	94
9) 1,1-Dichloroethene	2.576	96	12825	0.830	ug/l	97
10) Iodomethane	2.721	142	13310	0.849	ug/l	94
11) Allyl Chloride	2.920	41	15509	0.889	ug/l	# 79
12) Acrylonitrile	3.332	53	4851	1.616	ug/l	91
13) Acetone	2.627	43	20576	3.494	ug/l	96
14) Carbon Disulfide	2.791	76	43510	0.918	ug/l	99
15) Methylene Chloride	3.042	84	15774	0.432	ug/l	94
16) trans-1,2-Dichloroethene	3.354	96	15607	0.977	ug/l	95
17) 1,1-Dichloroethane	3.869	63	30458	1.045	ug/l	99
18) 2-Butanone	4.717	43	20638	3.443	ug/l	97
19) Cyclohexane	5.386	56	21254	0.886	ug/l	# 87
20) Methylcyclohexane	6.759	83	25857	0.862	ug/l	97
21) 2,2-Dichloropropane	4.660	77	22974	0.921	ug/l	98
22) cis-1,2-Dichloroethene	4.666	96	21261	1.225	ug/l	99
23) Diethyl Ether	2.373	59	10261	0.836	ug/l	94
24) tert-Butyl Alcohol	3.190	59	8013m	7.186	ug/l	
25) Methyl tert-Butyl Ether	3.364	73	28346	0.827	ug/l	94
26) Bromochloromethane	4.975	128	6934	0.992	ug/l	98
27) Chloroform	5.087	83	32378	1.070	ug/l	95
28) 1,1,1-Trichloroethane	5.312	97	26705	1.024	ug/l	98
29) 1,1-Dichloropropene	5.531	75	21718	0.962	ug/l	96
30) Carbon Tetrachloride	5.524	117	23108	1.113	ug/l	98
31) Isopropyl Ether	3.994	45	37795	0.943	ug/l	96
32) Ethyl-t-butyl ether	4.502	59	36605	0.889	ug/l	98
33) Tert-Amyl methyl ether	5.939	73	31843	0.869	ug/l	99
34) Propionitrile	4.798	54	4401m	4.356	ug/l	
35) Benzene	5.775	78	65825	0.997	ug/l	99
36) 1,2-Dichloroethane	5.791	62	17748	0.936	ug/l	99
37) Trichloroethene	6.544	130	19802	1.192	ug/l	93
38) 1,2-Dichloropropane	6.791	63	17484	1.033	ug/l	97
39) Methacrylonitrile	4.988	41	2976m	0.722	ug/l	
40) Methyl acrylate	4.885	55	4925m	0.659	ug/l	
41) Tetrahydrofuran	5.081	42	4176m	1.940	ug/l	
42) 1-Chlorobutane	5.457	56	28267	0.942	ug/l	97
43) Dibromomethane	6.923	93	8126	1.008	ug/l	98
44) Bromodichloromethane	7.106	83	21092	1.046	ug/l	100

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45) 4-Methyl-2-Pentanone	7.791	43	36488	4.364	ug/l	100
46) t-1,4-Dichloro-2-butene	10.836	75	4331m	0.945	ug/l	
47) Methyl methacrylate	6.962	69	11250	1.518	ug/l	94
48) Ethyl methacrylate	8.338	69	10382	0.722	ug/l	97
49) Toluene	7.968	92	37467	0.926	ug/l	98
50) t-1,3-Dichloropropene	8.212	75	16864	0.903	ug/l	94
51) cis-1,3-Dichloropropene	7.608	75	21771	0.942	ug/l	95
52) 1,1,2-Trichloroethane	8.399	97	11742	1.005	ug/l	92
53) 1,3-Dichloropropane	8.576	76	19293	0.957	ug/l	98
54) 2-Hexanone	8.688	43	33331	3.800	ug/l	95
55) Dibromochloromethane	8.811	129	12436	1.045	ug/l	95
56) 1,2-Dibromoethane	8.926	107	10261	0.953	ug/l	100
58) Tetrachloroethene	8.553	164	21237	1.368	ug/l	99
59) Chlorobenzene	9.447	112	44154	0.991	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.534	131	14476	1.069	ug/l	99
61) Pentachloroethane	11.421	117	7104	0.747	ug/l	89
62) Hexachloroethane	12.473	117	10111	0.924	ug/l	89
63) Ethyl Benzene	9.569	91	68703	0.879	ug/l	100
64) m/p-Xylenes	9.692	106	51442	1.722	ug/l	99
65) o-Xylene	10.100	106	26077	0.892	ug/l	100
66) Styrene	10.116	104	38374	0.854	ug/l	96
67) Bromoform	10.293	173	6059	1.082	ug/l	98
69) Isopropylbenzene	10.483	105	68430	0.894	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.778	83	11592	0.824	ug/l	99
71) 1,2,3-Trichloropropane	10.823	75	9914m	0.933	ug/l	
72) Bromobenzene	10.782	156	16117	1.005	ug/l	95
73) n-propylbenzene	10.907	120	17905	0.885	ug/l	96
74) 2-Chlorotoluene	10.987	126	16868	0.965	ug/l	98
75) 1,3,5-Trimethylbenzene	11.087	105	55034	0.856	ug/l	100
76) 4-Chlorotoluene	11.097	126	16818	0.926	ug/l	98
77) tert-Butylbenzene	11.418	119	51499	0.864	ug/l	95
78) 1,2,4-Trimethylbenzene	11.466	105	55524	0.848	ug/l	99
79) sec-Butylbenzene	11.643	105	72096	0.840	ug/l	100
80) Nitrobenzene	13.225	77	1249m	3.533	ug/l	
81) p-Isopropyltoluene	11.791	119	53948	0.800	ug/l	96
82) 1,3-Dichlorobenzene	11.746	146	35015	1.024	ug/l	97
83) 1,4-Dichlorobenzene	11.836	146	33224	0.961	ug/l	98
84) n-Butylbenzene	12.209	91	48129	0.723	ug/l	99
85) 1,2-Dichlorobenzene	12.212	146	31873	0.984	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.997	75	1401	0.656	ug/l #	85
87) 1,2,4-Trichlorobenzene	13.842	180	16312	0.863	ug/l	99
88) Hexachlorobutadiene	14.016	225	11564	1.280	ug/l	96
89) Naphthalene	14.090	128	21007	0.553	ug/l	96
90) 1,2,3-Trichlorobenzene	14.331	180	13613	0.836	ug/l	94

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

