

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012423\
 Data File : VU052798.D
 Acq On : 24 Jan 2023 19:44
 Operator : JC/MD
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 01/27/2023
 Supervised By :Mahesh Dadoda 01/30/2023

Quant Time: Jan 25 01:41:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U012323DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Jan 24 05:16:59 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.108	96	36699	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.629	95	12648	1.036	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.000%	
68) 1,2-Dichlorobenzene-d4	12.189	152	14169	1.128	ug/l	0.00
Spiked Amount 1.000			Recovery	=	113.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	122896	9.895	ug/l	99
3) Chloromethane	1.520	50	99202	8.417	ug/l	98
4) Vinyl Chloride	1.604	62	104708	9.200	ug/l	98
5) Bromomethane	1.858	94	55655	9.411	ug/l	96
6) Chloroethane	1.935	64	65326	9.544	ug/l	98
7) Trichlorofluoromethane	2.137	101	170563	10.288	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.578	101	89201	9.841	ug/l	97
9) 1,1-Dichloroethene	2.578	96	82992	9.691	ug/l	100
10) Iodomethane	2.719	142	107655	11.357	ug/l	97
11) Allyl Chloride	2.922	41	97936	9.571	ug/l	100
12) Acrylonitrile	3.317	53	36658	20.190	ug/l	98
13) Acetone	2.646	43	101820	39.541	ug/l	98
14) Carbon Disulfide	2.790	76	253530	8.838	ug/l	99
15) Methylene Chloride	3.041	84	96249	9.305	ug/l	99
16) trans-1,2-Dichloroethene	3.350	96	90070	9.454	ug/l	99
17) 1,1-Dichloroethane	3.864	63	157281	9.776	ug/l	100
18) 2-Butanone	4.723	43	128539	42.964	ug/l	100
19) Cyclohexane	5.379	56	131693m	9.308	ug/l	
20) Methylcyclohexane	6.758	83	154258	9.772	ug/l	99
21) 2,2-Dichloropropane	4.662	77	142731	9.552	ug/l	99
22) cis-1,2-Dichloroethene	4.665	96	98485	9.890	ug/l	97
23) Diethyl Ether	2.375	59	57947	9.572	ug/l	98
24) tert-Butyl Alcohol	3.256	59	75221m	103.192	ug/l	
25) Methyl tert-Butyl Ether	3.363	73	200635	10.213	ug/l	99
26) Bromochloromethane	4.970	128	44549	9.582	ug/l	96
27) Chloroform	5.086	83	173095	10.037	ug/l	99
28) 1,1,1-Trichloroethane	5.311	97	162334	10.193	ug/l	99
29) 1,1-Dichloropropene	5.520	75	129066	9.612	ug/l	99
30) Carbon Tetrachloride	5.517	117	147076	10.178	ug/l	99
31) Isopropyl Ether	3.993	45	218195	9.435	ug/l	98
32) Ethyl-t-butyl ether	4.507	59	217966	10.095	ug/l	98
33) Tert-Amyl methyl ether	5.944	73	193046	10.110	ug/l	99
34) Propionitrile	4.800	54	35600	51.972	ug/l #	7
35) Benzene	5.768	78	375976	9.651	ug/l	99
36) 1,2-Dichloroethane	5.793	62	119186	10.185	ug/l	100
37) Trichloroethene	6.536	130	101182	9.527	ug/l	99
38) 1,2-Dichloropropane	6.790	63	96766	9.790	ug/l	99
39) Methacrylonitrile	4.977	41	26039	9.517	ug/l	95
40) Methyl acrylate	4.848	55	45787	9.441	ug/l	97
41) Tetrahydrofuran	5.073	42	26279	19.310	ug/l	93
42) 1-Chlorobutane	5.452	56	166384	9.693	ug/l	100
43) Dibromomethane	6.915	93	49710	9.936	ug/l	97
44) Bromodichloromethane	7.102	83	133692	9.850	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.796	43	266568	50.704	ug/l	99
46) t-1,4-Dichloro-2-butene	10.825	75	58426m	21.196	ug/l	
47) Methyl methacrylate	6.964	69	92890	20.887	ug/l	98
48) Ethyl methacrylate	8.337	69	81538	10.113	ug/l	99
49) Toluene	7.967	92	242010	10.231	ug/l	99
50) t-1,3-Dichloropropene	8.208	75	116488	9.840	ug/l	99
51) cis-1,3-Dichloropropene	7.604	75	132685	9.528	ug/l	100
52) 1,1,2-Trichloroethane	8.398	97	70721	9.940	ug/l	99
53) 1,3-Dichloropropane	8.575	76	120643	9.810	ug/l	98
54) 2-Hexanone	8.687	43	206263	44.846	ug/l	100
55) Dibromochloromethane	8.809	129	91923	9.879	ug/l	99
56) 1,2-Dibromoethane	8.922	107	66837	9.868	ug/l	100
58) Tetrachloroethene	8.549	164	95323	9.946	ug/l	99
59) Chlorobenzene	9.443	112	257581	10.006	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.533	131	101770	10.214	ug/l	98
61) Pentachloroethane	11.423	117	79711	9.765	ug/l	96
62) Hexachloroethane	12.471	117	84540	10.251	ug/l	98
63) Ethyl Benzene	9.568	91	442527	10.612	ug/l	99
64) m/p-Xylenes	9.690	106	371053	22.318	ug/l	100
65) o-Xylene	10.099	106	171898	10.715	ug/l	100
66) Styrene	10.111	104	289207	9.378	ug/l	99
67) Bromoform	10.288	173	54499	9.925	ug/l	99
69) Isopropylbenzene	10.481	105	443832	10.872	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.780	83	90095	10.159	ug/l	100
71) 1,2,3-Trichloropropane	10.822	75	83975m	10.939	ug/l	
72) Bromobenzene	10.777	156	108073	10.423	ug/l	97
73) n-propylbenzene	10.902	120	129771	9.447	ug/l	97
74) 2-Chlorotoluene	10.983	126	114807	11.133	ug/l	96
75) 1,3,5-Trimethylbenzene	11.086	105	397358	9.500	ug/l	99
76) 4-Chlorotoluene	11.092	126	118998	11.244	ug/l	99
77) tert-Butylbenzene	11.417	119	392074	11.044	ug/l	100
78) 1,2,4-Trimethylbenzene	11.465	105	408159	9.535	ug/l	100
79) sec-Butylbenzene	11.639	105	511485	9.321	ug/l	99
80) Nitrobenzene	13.201	77	25378	46.231	ug/l	99
81) p-Isopropyltoluene	11.790	119	449384	9.433	ug/l	99
82) 1,3-Dichlorobenzene	11.742	146	229851	10.858	ug/l	97
83) 1,4-Dichlorobenzene	11.832	146	233895	11.005	ug/l	97
84) n-Butylbenzene	12.205	91	374344	8.974	ug/l	99
85) 1,2-Dichlorobenzene	12.208	146	216399	10.832	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.992	75	16171	9.844	ug/l	99
87) 1,2,4-Trichlorobenzene	13.835	180	125232	10.452	ug/l	98
88) Hexachlorobutadiene	14.018	225	89277	10.631	ug/l	99
89) Naphthalene	14.082	128	219497	9.449	ug/l	100
90) 1,2,3-Trichlorobenzene	14.327	180	125968	11.076	ug/l	99

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

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