

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032122\
 Data File : VU047630.D
 Acq On : 21 Mar 2022 16:39
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/22/2022
 Supervised By : Mahesh Dadoda 04/01/2022

Quant Time: Mar 22 01:49:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U031822DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Mar 18 13:19:37 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.118	96	31467	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	12053	1.028	ug/l	0.00
Spiked Amount 1.000			Recovery	=	103.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	14686	1.033	ug/l	0.00
Spiked Amount 1.000			Recovery	=	103.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	111015	9.766	ug/l	99
3) Chloromethane	1.530	50	109734	9.880	ug/l	100
4) Vinyl Chloride	1.607	62	103121	9.567	ug/l	100
5) Bromomethane	1.861	94	59033	9.338	ug/l	100
6) Chloroethane	1.938	64	63057	9.785	ug/l	99
7) Trichlorofluoromethane	2.144	101	143365	9.621	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.588	101	81854	9.613	ug/l	91
9) 1,1-Dichloroethene	2.584	96	81455	9.679	ug/l	92
10) Iodomethane	2.729	142	50448	11.181	ug/l	100
11) Allyl Chloride	2.929	41	102992	9.733	ug/l	99
12) Acrylonitrile	3.327	53	37844	20.378	ug/l	91
13) Acetone	2.649	43	62924	49.819	ug/l	100
14) Carbon Disulfide	2.797	76	251279	9.450	ug/l	99
15) Methylene Chloride	3.051	84	95762	9.912	ug/l	95
16) trans-1,2-Dichloroethene	3.356	96	84622	9.564	ug/l	91
17) 1,1-Dichloroethane	3.874	63	148965	9.919	ug/l	99
18) 2-Butanone	4.726	43	103474	52.600	ug/l	99
19) Cyclohexane	5.391	56	117908m	10.465	ug/l	
20) Methylcyclohexane	6.768	83	141158	10.921	ug/l	94
21) 2,2-Dichloropropane	4.671	77	133675	10.126	ug/l	95
22) cis-1,2-Dichloroethene	4.671	96	97627	10.159	ug/l	88
23) Diethyl Ether	2.382	59	60379	9.820	ug/l	96
24) tert-Butyl Alcohol	3.253	59	41296	97.382	ug/l	# 1
25) Methyl tert-Butyl Ether	3.372	73	204540	9.984	ug/l	98
26) Bromochloromethane	4.980	128	47483	9.767	ug/l	81
27) Chloroform	5.092	83	161104	9.926	ug/l	100
28) 1,1,1-Trichloroethane	5.321	97	141332	10.026	ug/l	96
29) 1,1-Dichloropropene	5.530	75	119960	10.500	ug/l	96
30) Carbon Tetrachloride	5.526	117	127989	10.189	ug/l	100
31) Isopropyl Ether	4.002	45	205658	10.315	ug/l	96
32) Ethyl-t-butyl ether	4.514	59	205078	10.190	ug/l	93
33) Tert-Amyl methyl ether	5.948	73	197017	10.414	ug/l	97
34) Propionitrile	4.806	54	31228	54.587	ug/l	# 91
35) Benzene	5.777	78	347860	10.177	ug/l	100
36) 1,2-Dichloroethane	5.800	62	104313	10.088	ug/l	99
37) Trichloroethene	6.546	130	100135	10.139	ug/l	88
38) 1,2-Dichloropropane	6.797	63	88886	10.097	ug/l	98
39) Methacrylonitrile	4.983	41	26362	10.697	ug/l	96
40) Methyl acrylate	4.854	55	44974	10.799	ug/l	# 95
41) Tetrahydrofuran	5.073	42	25635	20.500	ug/l	95
42) 1-Chlorobutane	5.462	56	152049	10.326	ug/l	97
43) Dibromomethane	6.922	93	53384	10.120	ug/l	# 86
44) Bromodichloromethane	7.108	83	123112	10.060	ug/l	# 99

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45) 4-Methyl-2-Pentanone	7.800	43	286532	54.331	ug/l	97
46) t-1,4-Dichloro-2-butene	10.838	75	52190m	22.783	ug/l	
47) Methyl methacrylate	6.967	69	95419	22.361	ug/l	88
48) Ethyl methacrylate	8.337	69	89894	11.180	ug/l	88
49) Toluene	7.973	92	224787	10.701	ug/l	97
50) t-1,3-Dichloropropene	8.214	75	118423	10.444	ug/l	98
51) cis-1,3-Dichloropropene	7.610	75	129710	10.391	ug/l	94
52) 1,1,2-Trichloroethane	8.404	97	74947	10.209	ug/l	98
53) 1,3-Dichloropropane	8.578	76	123445	10.329	ug/l	99
54) 2-Hexanone	8.690	43	208517	54.153	ug/l	98
55) Dibromochloromethane	8.813	129	94685	10.212	ug/l	100
56) 1,2-Dibromoethane	8.928	107	74803	10.236	ug/l	99
58) Tetrachloroethene	8.555	164	92063	10.111	ug/l	96
59) Chlorobenzene	9.449	112	255796	10.447	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.536	131	97109	10.217	ug/l	99
61) Pentachloroethane	11.430	117	82895	10.306	ug/l	84
62) Hexachloroethane	12.478	117	82250	10.300	ug/l #	68
63) Ethyl Benzene	9.571	91	422733	11.021	ug/l	98
64) m/p-Xylenes	9.697	106	343529	22.576	ug/l	95
65) o-Xylene	10.102	106	162678	11.298	ug/l	93
66) Styrene	10.115	104	285206	11.484	ug/l	95
67) Bromoform	10.295	173	64269	10.415	ug/l #	98
69) Isopropylbenzene	10.488	105	428125	11.229	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.787	83	100624	10.293	ug/l	98
71) 1,2,3-Trichloropropane	10.832	75	67736m	8.776	ug/l	
72) Bromobenzene	10.784	156	121732	10.650	ug/l	77
73) n-propylbenzene	10.909	120	127574	11.530	ug/l	82
74) 2-Chlorotoluene	10.986	126	112974	11.118	ug/l	79
75) 1,3,5-Trimethylbenzene	11.089	105	375704	9.916	ug/l	96
76) 4-Chlorotoluene	11.099	126	122387	11.319	ug/l	72
77) tert-Butylbenzene	11.423	119	374004	11.262	ug/l	92
78) 1,2,4-Trimethylbenzene	11.468	105	386264	9.966	ug/l	96
79) sec-Butylbenzene	11.645	105	492289	11.374	ug/l	96
80) Nitrobenzene	13.208	77	20368	51.016	ug/l	95
81) p-Isopropyltoluene	11.793	119	431398	9.923	ug/l	96
82) 1,3-Dichlorobenzene	11.748	146	240253	10.639	ug/l	96
83) 1,4-Dichlorobenzene	11.838	146	244607	10.773	ug/l	97
84) n-Butylbenzene	12.211	91	399529	9.793	ug/l	95
85) 1,2-Dichlorobenzene	12.214	146	232682	10.726	ug/l	96
86) 1,2-Dibromo-3-Chloropr...	12.999	75	17281	10.481	ug/l #	71
87) 1,2,4-Trichlorobenzene	13.841	180	172144	11.112	ug/l	97
88) Hexachlorobutadiene	14.025	225	99843	10.736	ug/l	98
89) Naphthalene	14.089	128	290478	11.039	ug/l	100
90) 1,2,3-Trichlorobenzene	14.330	180	161777	11.078	ug/l	96

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

