

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022322\
 Data File : VU047241.D
 Acq On : 23 Feb 2022 10:01
 Operator : SY/MD
 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 02/24/2022
 Supervised By : Mahesh Dadoda 02/24/2022

Quant Time: Feb 24 05:56:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U021422DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Feb 15 03:17:28 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.118	96	51198	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	19095	0.963	ug/l	0.00
Spiked Amount 1.000			Recovery	=	96.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	22175	1.074	ug/l	0.00
Spiked Amount 1.000			Recovery	=	107.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	166504	9.754	ug/l	99
3) Chloromethane	1.533	50	200089	11.412	ug/l	99
4) Vinyl Chloride	1.607	62	162995	9.417	ug/l	98
5) Bromomethane	1.864	94	80760	7.143	ug/l	100
6) Chloroethane	1.938	64	99484	10.005	ug/l	100
7) Trichlorofluoromethane	2.144	101	214880	10.533	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.588	101	121114	10.300	ug/l	93
9) 1,1-Dichloroethene	2.588	96	119571	9.881	ug/l	94
10) Iodomethane	2.729	142	102172	7.353	ug/l	99
11) Allyl Chloride	2.929	41	172070	9.122	ug/l	96
12) Acrylonitrile	3.330	53	67543	19.015	ug/l	93
13) Acetone	2.655	43	131848	59.843	ug/l	99
14) Carbon Disulfide	2.800	76	390677	9.544	ug/l	100
15) Methylene Chloride	3.051	84	133887	9.851	ug/l	96
16) trans-1,2-Dichloroethene	3.356	96	129761	10.160	ug/l	97
17) 1,1-Dichloroethane	3.874	63	224179	9.580	ug/l	99
18) 2-Butanone	4.726	43	207095	57.874	ug/l	98
19) Cyclohexane	5.391	56	201178m	9.279	ug/l	
20) Methylcyclohexane	6.768	83	227669	9.527	ug/l	97
21) 2,2-Dichloropropane	4.671	77	206450	9.872	ug/l	96
22) cis-1,2-Dichloroethene	4.671	96	143117	9.743	ug/l	93
23) Diethyl Ether	2.382	59	95996	9.815	ug/l	98
24) tert-Butyl Alcohol	3.282	59	150630m	236.807	ug/l	
25) Methyl tert-Butyl Ether	3.372	73	329928	9.722	ug/l	97
26) Bromochloromethane	4.980	128	67221	10.177	ug/l	86
27) Chloroform	5.096	83	235217	9.906	ug/l	99
28) 1,1,1-Trichloroethane	5.321	97	203619	9.905	ug/l	96
29) 1,1-Dichloropropene	5.530	75	182436	9.695	ug/l	97
30) Carbon Tetrachloride	5.530	117	179672	9.941	ug/l	99
31) Isopropyl Ether	4.002	45	357637	9.555	ug/l	98
32) Ethyl-t-butyl ether	4.510	59	358623	9.426	ug/l	98
33) Tert-Amyl methyl ether	5.948	73	332214	9.480	ug/l	99
34) Propionitrile	4.803	54	65601	59.636	ug/l	# 1
35) Benzene	5.777	78	522146	9.902	ug/l	99
36) 1,2-Dichloroethane	5.800	62	157013	9.834	ug/l	100
37) Trichloroethene	6.546	130	145219	9.946	ug/l	96
38) 1,2-Dichloropropane	6.797	63	134224	9.618	ug/l	99
39) Methacrylonitrile	4.983	41	48119	10.005	ug/l	97
40) Methyl acrylate	4.851	55	95029	11.689	ug/l	98
41) Tetrahydrofuran	5.073	42	51421	20.987	ug/l	98
42) 1-Chlorobutane	5.462	56	242717	9.606	ug/l	99
43) Dibromomethane	6.922	93	75585	10.043	ug/l	# 90
44) Bromodichloromethane	7.108	83	175391	9.854	ug/l	98

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45) 4-Methyl-2-Pentanone	7.797	43	477459	46.907	ug/l	99
46) t-1,4-Dichloro-2-butene	10.841	75	98378m	22.202	ug/l	
47) Methyl methacrylate	6.964	69	152646	19.340	ug/l	93
48) Ethyl methacrylate	8.337	69	152731	9.546	ug/l	93
49) Toluene	7.970	92	334948	9.847	ug/l	99
50) t-1,3-Dichloropropene	8.214	75	185734	9.641	ug/l	99
51) cis-1,3-Dichloropropene	7.610	75	209188	9.685	ug/l	97
52) 1,1,2-Trichloroethane	8.404	97	106811	9.947	ug/l	99
53) 1,3-Dichloropropane	8.578	76	181871	9.480	ug/l	100
54) 2-Hexanone	8.687	43	352179	46.442	ug/l	99
55) Dibromochloromethane	8.813	129	128837	9.869	ug/l	99
56) 1,2-Dibromoethane	8.925	107	107079	9.867	ug/l	97
58) Tetrachloroethene	8.555	164	129793	9.634	ug/l	97
59) Chlorobenzene	9.449	112	368171	9.707	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.536	131	132746	10.183	ug/l	99
61) Pentachloroethane	11.430	117	107378	10.851	ug/l #	82
62) Hexachloroethane	12.478	117	107107	10.025	ug/l #	76
63) Ethyl Benzene	9.571	91	645712	9.685	ug/l	99
64) m/p-Xylenes	9.697	106	494478	19.457	ug/l	97
65) o-Xylene	10.102	106	239856	9.743	ug/l	96
66) Styrene	10.115	104	414177	9.912	ug/l	97
67) Bromoform	10.292	173	83746	10.123	ug/l #	97
69) Isopropylbenzene	10.485	105	639766	9.663	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.784	83	145986	10.056	ug/l	99
71) 1,2,3-Trichloropropane	10.835	75	107906m	8.807	ug/l	
72) Bromobenzene	10.784	156	164337	10.163	ug/l	85
73) n-propylbenzene	10.909	120	179920	9.871	ug/l	88
74) 2-Chlorotoluene	10.986	126	155028	9.977	ug/l	83
75) 1,3,5-Trimethylbenzene	11.089	105	545890	10.054	ug/l	98
76) 4-Chlorotoluene	11.099	126	164522	10.078	ug/l	81
77) tert-Butylbenzene	11.423	119	545637	10.015	ug/l	94
78) 1,2,4-Trimethylbenzene	11.468	105	557360	10.058	ug/l	97
79) sec-Butylbenzene	11.645	105	720521	9.959	ug/l	97
80) Nitrobenzene	13.208	77	22712	32.405	ug/l	96
81) p-Isopropyltoluene	11.793	119	618330	10.100	ug/l	97
82) 1,3-Dichlorobenzene	11.748	146	319878	10.162	ug/l	97
83) 1,4-Dichlorobenzene	11.838	146	321433	10.137	ug/l	98
84) n-Butylbenzene	12.211	91	609666	10.371	ug/l	97
85) 1,2-Dichlorobenzene	12.214	146	310731	10.255	ug/l	97
86) 1,2-Dibromo-3-Chloropr...	12.996	75	27717	10.413	ug/l #	74
87) 1,2,4-Trichlorobenzene	13.841	180	261816	11.004	ug/l	98
88) Hexachlorobutadiene	14.021	225	131908	10.844	ug/l	98
89) Naphthalene	14.086	128	509695	10.459	ug/l	99
90) 1,2,3-Trichlorobenzene	14.330	180	238912	11.195	ug/l	97

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

