

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021422\
 Data File : VU047131.D
 Acq On : 14 Feb 2022 13:44
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU021422

Quant Time: Feb 15 03:18:20 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

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/15/2022
 Supervised By : Mahesh Dadoda 02/15/2022

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

Internal Standards						
1) Fluorobenzene	6.118	96	54580	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.636	95	21635	1.023	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	22297	1.013	ug/l	0.00
Spiked Amount 1.000			Recovery	=	101.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	106613	5.858	ug/l	99
3) Chloromethane	1.530	50	151129	8.086	ug/l	100
4) Vinyl Chloride	1.610	62	152846	8.284	ug/l	99
5) Bromomethane	1.864	94	104191	8.644	ug/l	100
6) Chloroethane	1.941	64	98566	9.298	ug/l	100
7) Trichlorofluoromethane	2.147	101	205125	9.432	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.591	101	128884	10.282	ug/l	94
9) 1,1-Dichloroethene	2.588	96	124293	9.634	ug/l	98
10) Iodomethane	2.732	142	129222	8.556	ug/l	99
11) Allyl Chloride	2.932	41	207345	10.311	ug/l	90
12) Acrylonitrile	3.324	53	182787	48.272	ug/l	89
13) Acetone	2.642	43	215570	79.860	ug/l	99
14) Carbon Disulfide	2.803	76	372694	8.541	ug/l	99
15) Methylene Chloride	3.054	84	145520	10.043	ug/l	99
16) trans-1,2-Dichloroethene	3.359	96	136737	10.043	ug/l	98
17) 1,1-Dichloroethane	3.877	63	260760	10.453	ug/l	99
18) 2-Butanone	4.716	43	242279	63.511	ug/l	98
19) Cyclohexane	5.395	56	235115m	10.173	ug/l	
20) Methylcyclohexane	6.768	83	260554	10.228	ug/l	96
21) 2,2-Dichloropropane	4.671	77	233734	10.484	ug/l	97
22) cis-1,2-Dichloroethene	4.674	96	163955	10.470	ug/l	96
23) Diethyl Ether	2.382	59	102106	9.793	ug/l	98
24) tert-Butyl Alcohol	3.221	59	45740	67.453	ug/l #	95
25) Methyl tert-Butyl Ether	3.372	73	386485	10.683	ug/l	100
26) Bromochloromethane	4.980	128	66796	9.486	ug/l	92
27) Chloroform	5.096	83	261809	10.343	ug/l	99
28) 1,1,1-Trichloroethane	5.324	97	226541	10.337	ug/l	97
29) 1,1-Dichloropropene	5.530	75	202016	10.070	ug/l	98
30) Carbon Tetrachloride	5.530	117	200457	10.404	ug/l	99
31) Isopropyl Ether	4.002	45	440407	11.038	ug/l #	1
34) Propionitrile	4.790	54	121376	87.501	ug/l #	92
35) Benzene	5.781	78	586988	10.441	ug/l	99
36) 1,2-Dichloroethane	5.800	62	180749	10.619	ug/l	100
37) Trichloroethene	6.546	130	162319	10.429	ug/l	94
38) 1,2-Dichloropropane	6.797	63	158493	10.654	ug/l	100
39) Methacrylonitrile	4.980	41	53675	10.468	ug/l	99
40) Methyl acrylate	4.851	55	94898	10.949	ug/l #	91
41) Tetrahydrofuran	5.063	42	138123	52.881	ug/l	95
42) 1-Chlorobutane	5.462	56	278758	10.349	ug/l	99
43) Dibromomethane	6.922	93	86678	10.804	ug/l	91
44) Bromodichloromethane	7.108	83	208219	10.973	ug/l	98
45) 4-Methyl-2-Pentanone	7.793	43	573671	52.867	ug/l	100
46) t-1,4-Dichloro-2-butene	10.835	75	64953m	13.751	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Methyl methacrylate	6.964	69	88147	10.476	ug/l	93
48) Ethyl methacrylate	8.337	69	183513	10.759	ug/l	96
49) Toluene	7.973	92	380938	10.505	ug/l	98
50) t-1,3-Dichloropropene	8.214	75	227250	11.065	ug/l	99
51) cis-1,3-Dichloropropene	7.610	75	256919	11.158	ug/l	98
52) 1,1,2-Trichloroethane	8.404	97	123757	10.811	ug/l	100
53) 1,3-Dichloropropane	8.578	76	215945	10.558	ug/l	100
54) 2-Hexanone	8.687	43	465742	57.612	ug/l	99
55) Dibromochloromethane	8.813	129	151976	10.920	ug/l	99
56) 1,2-Dibromoethane	8.928	107	123131	10.644	ug/l	98
58) Tetrachloroethene	8.555	164	151549	10.552	ug/l	98
59) Chlorobenzene	9.449	112	420373	10.397	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.536	131	152759	10.992	ug/l	99
61) Pentachloroethane	11.430	117	122691	11.630	ug/l	85
62) Hexachloroethane	12.478	117	127026	11.152	ug/l #	80
63) Ethyl Benzene	9.575	91	759265	10.682	ug/l	99
64) m/p-Xylenes	9.697	106	595207	21.969	ug/l	97
65) o-Xylene	10.102	106	289560	11.033	ug/l	96
66) Styrene	10.118	104	493591	11.081	ug/l	97
67) Bromoform	10.295	173	99813	11.318	ug/l #	98
69) Isopropylbenzene	10.488	105	770229	10.913	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.784	83	164891	10.655	ug/l	98
71) 1,2,3-Trichloropropane	10.829	75	122719m	9.396	ug/l	
72) Bromobenzene	10.784	156	186863	10.840	ug/l	88
73) n-propylbenzene	10.909	120	217625	11.200	ug/l	88
74) 2-Chlorotoluene	10.989	126	182933	11.043	ug/l	88
75) 1,3,5-Trimethylbenzene	11.089	105	648955	11.211	ug/l	98
76) 4-Chlorotoluene	11.099	126	191962	11.030	ug/l	84
77) tert-Butylbenzene	11.423	119	644357	11.094	ug/l	95
78) 1,2,4-Trimethylbenzene	11.468	105	647661	10.964	ug/l	98
79) sec-Butylbenzene	11.645	105	867299	11.245	ug/l	98
80) Nitrobenzene	13.208	77	7857	10.515	ug/l	97
81) p-Isopropyltoluene	11.796	119	729515	11.178	ug/l	97
82) 1,3-Dichlorobenzene	11.748	146	376171	11.210	ug/l	99
83) 1,4-Dichlorobenzene	11.838	146	376847	11.148	ug/l	98
84) n-Butylbenzene	12.211	91	705038	11.250	ug/l	97
85) 1,2-Dichlorobenzene	12.214	146	357288	11.061	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.999	75	29339	10.339	ug/l #	82
87) 1,2,4-Trichlorobenzene	13.841	180	281553	11.101	ug/l	99
88) Hexachlorobutadiene	14.025	225	148871	11.480	ug/l	98
89) Naphthalene	14.086	128	560431	10.788	ug/l	100
90) 1,2,3-Trichlorobenzene	14.330	180	255956	11.251	ug/l	97

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

