

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU123021\
 Data File : VU046656.D
 Acq On : 30 Dec 2021 18:13
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/31/2021
 Supervised By : Mahesh Dadoda 01/03/2022

Quant Time: Dec 31 07:28:43 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U123021DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Dec 30 12:44:59 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.118	96	21556	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	7843	1.023	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	7606	0.917	ug/l	0.00
Spiked Amount 1.000			Recovery	=	92.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	76180	9.218	ug/l	100
3) Chloromethane	1.523	50	67060	9.180	ug/l	97
4) Vinyl Chloride	1.607	62	74149	9.443	ug/l	98
5) Bromomethane	1.861	94	41761	10.184	ug/l	99
6) Chloroethane	1.938	64	42838	9.194	ug/l	99
7) Trichlorofluoromethane	2.144	101	103643	9.420	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.584	101	57159	9.336	ug/l	96
9) 1,1-Dichloroethene	2.584	96	54921	9.554	ug/l	96
10) Iodomethane	2.729	142	68566	11.388	ug/l	89
11) Allyl Chloride	2.929	41	72260	9.967	ug/l	94
12) Acrylonitrile	3.334	53	29661	19.332	ug/l	95
13) Acetone	2.665	43	55699	40.335	ug/l	99
14) Carbon Disulfide	2.800	76	168957	9.197	ug/l	100
15) Methylene Chloride	3.051	84	61387	9.644	ug/l	98
16) trans-1,2-Dichloroethene	3.359	96	58817	9.794	ug/l	97
17) 1,1-Dichloroethane	3.874	63	107391	9.587	ug/l	99
18) 2-Butanone	4.723	43	94943	46.011	ug/l	99
19) Cyclohexane	5.395	56	74435	10.144	ug/l	# 81
20) Methylcyclohexane	6.768	83	93461	10.781	ug/l	97
21) 2,2-Dichloropropane	4.671	77	93102	9.749	ug/l	100
22) cis-1,2-Dichloroethene	4.671	96	64376	10.017	ug/l	97
23) Diethyl Ether	2.379	59	40761	9.495	ug/l	95
24) tert-Butyl Alcohol	3.298	59	8831	20.429	ug/l	# 1
25) Methyl tert-Butyl Ether	3.369	73	143071	10.297	ug/l	97
26) Bromochloromethane	4.980	128	30949	9.732	ug/l	92
27) Chloroform	5.092	83	115630	9.302	ug/l	98
28) 1,1,1-Trichloroethane	5.321	97	103984	9.695	ug/l	96
29) 1,1-Dichloropropene	5.530	75	86370	10.232	ug/l	99
30) Carbon Tetrachloride	5.530	117	91930	9.395	ug/l	97
31) Isopropyl Ether	3.996	45	148871	10.674	ug/l	97
32) Ethyl-t-butyl ether	4.504	59	146461	10.624	ug/l	93
33) Tert-Amyl methyl ether	5.941	73	141224	10.630	ug/l	98
34) Propionitrile	4.809	54	30519	49.911	ug/l	# 77
35) Benzene	5.777	78	242195	10.042	ug/l	100
36) 1,2-Dichloroethane	5.800	62	79963	9.669	ug/l	100
37) Trichloroethene	6.546	130	61338	9.955	ug/l	97
38) 1,2-Dichloropropane	6.797	63	63908	10.010	ug/l	100
39) Methacrylonitrile	4.980	41	20655	10.086	ug/l	97
40) Methyl acrylate	4.851	55	40978	11.413	ug/l	99
41) Tetrahydrofuran	5.073	42	22929	22.056	ug/l	97
42) 1-Chlorobutane	5.462	56	116779	10.532	ug/l	96
43) Dibromomethane	6.922	93	36126	9.559	ug/l	98
44) Bromodichloromethane	7.108	83	90593	9.631	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.797	43	209885	51.931	ug/l	99
46) t-1,4-Dichloro-2-butene	10.835	75	40382m	18.540	ug/l	
47) Methyl methacrylate	6.964	69	66657	21.685	ug/l	91
48) Ethyl methacrylate	8.337	69	61437	11.213	ug/l	93
49) Toluene	7.973	92	153194	10.856	ug/l	98
50) t-1,3-Dichloropropene	8.211	75	83714	10.333	ug/l	99
51) cis-1,3-Dichloropropene	7.610	75	91781	10.288	ug/l	94
52) 1,1,2-Trichloroethane	8.404	97	49387	9.399	ug/l	98
53) 1,3-Dichloropropane	8.578	76	87976	9.803	ug/l	100
54) 2-Hexanone	8.687	43	151994	51.465	ug/l	99
55) Dibromochloromethane	8.813	129	63490	9.661	ug/l	100
56) 1,2-Dibromoethane	8.925	107	47754	9.541	ug/l	98
58) Tetrachloroethene	8.555	164	52216	9.586	ug/l	97
59) Chlorobenzene	9.449	112	157573	10.346	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.536	131	62579	9.785	ug/l	98
61) Pentachloroethane	11.430	117	50311	9.437	ug/l	93
62) Hexachloroethane	12.478	117	51258	9.588	ug/l	92
63) Ethyl Benzene	9.571	91	283389	11.338	ug/l	99
64) m/p-Xylenes	9.697	106	228856	23.059	ug/l	99
65) o-Xylene	10.102	106	104555	11.140	ug/l	99
66) Styrene	10.115	104	190748	11.630	ug/l	98
67) Bromoform	10.295	173	37793	9.589	ug/l #	98
69) Isopropylbenzene	10.488	105	277687	11.233	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.784	83	65330	9.286	ug/l	99
71) 1,2,3-Trichloropropane	10.829	75	42195m	9.382	ug/l	
72) Bromobenzene	10.784	156	67236	10.231	ug/l	91
73) n-propylbenzene	10.909	120	78920	11.187	ug/l	96
74) 2-Chlorotoluene	10.989	126	65805	10.791	ug/l	98
75) 1,3,5-Trimethylbenzene	11.089	105	242924	9.486	ug/l	99
76) 4-Chlorotoluene	11.099	126	71084	10.972	ug/l	95
77) tert-Butylbenzene	11.423	119	234048	11.140	ug/l	97
78) 1,2,4-Trimethylbenzene	11.468	105	254306	9.685	ug/l	99
79) sec-Butylbenzene	11.645	105	319513	11.218	ug/l	100
80) Nitrobenzene	13.211	77	19015	52.483	ug/l #	98
81) p-Isopropyltoluene	11.796	119	270476	9.461	ug/l	100
82) 1,3-Dichlorobenzene	11.748	146	135649	10.065	ug/l	100
83) 1,4-Dichlorobenzene	11.838	146	137264	10.190	ug/l	99
84) n-Butylbenzene	12.211	91	252858	11.277	ug/l	98
85) 1,2-Dichlorobenzene	12.214	146	129518	10.028	ug/l	100
86) 1,2-Dibromo-3-Chloropr...	12.999	75	13147	10.147	ug/l	99
87) 1,2,4-Trichlorobenzene	13.841	180	86567	11.051	ug/l	99
88) Hexachlorobutadiene	14.025	225	46660	9.671	ug/l	98
89) Naphthalene	14.089	128	177036	10.063	ug/l	100
90) 1,2,3-Trichlorobenzene	14.330	180	85944	11.257	ug/l	98

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

