

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU123021\
 Data File : VU046644.D
 Acq On : 30 Dec 2021 10:34
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

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

Quant Time: Dec 30 11:01:19 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U123021DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Dec 30 10:57:02 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.118	96	22437	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	7954	0.977	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	8635	1.105	ug/l	0.00
Spiked Amount 1.000			Recovery	=	111.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	76867	9.101	ug/l	99
3) Chloromethane	1.523	50	68375	7.898	ug/l	100
4) Vinyl Chloride	1.607	62	75641	8.401	ug/l	100
5) Bromomethane	1.864	94	39787	8.063	ug/l	98
6) Chloroethane	1.941	64	43222	7.472	ug/l	100
7) Trichlorofluoromethane	2.144	101	103036	9.581	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.588	101	56845	9.234	ug/l	96
9) 1,1-Dichloroethene	2.584	96	54573	9.438	ug/l	96
10) Iodomethane	2.729	142	57744	9.736	ug/l	89
11) Allyl Chloride	2.928	41	70890	8.541	ug/l	95
12) Acrylonitrile	3.334	53	30670	20.602	ug/l	92
13) Acetone	2.665	43	60335	35.706	ug/l	99
14) Carbon Disulfide	2.800	76	173107	9.759	ug/l	98
15) Methylene Chloride	3.054	84	61825	8.847	ug/l	97
16) trans-1,2-Dichloroethene	3.359	96	59427	9.556	ug/l	97
17) 1,1-Dichloroethane	3.877	63	106991	9.227	ug/l	99
18) 2-Butanone	4.726	43	98793	44.826	ug/l	98
19) Cyclohexane	5.395	56	75307	7.302	ug/l	# 79
20) Methylcyclohexane	6.767	83	92130	8.775	ug/l	98
21) 2,2-Dichloropropane	4.671	77	92551	9.364	ug/l	98
22) cis-1,2-Dichloroethene	4.671	96	64444	9.452	ug/l	96
23) Diethyl Ether	2.382	59	40303	7.613	ug/l	94
24) tert-Butyl Alcohol	3.362	59	46056m	101.940	ug/l	
25) Methyl tert-Butyl Ether	3.366	73	143798	8.996	ug/l	96
26) Bromochloromethane	4.977	128	30177	10.162	ug/l	95
27) Chloroform	5.092	83	115337	9.597	ug/l	100
28) 1,1,1-Trichloroethane	5.321	97	102118	10.291	ug/l	97
29) 1,1-Dichloropropene	5.530	75	86673	9.685	ug/l	99
30) Carbon Tetrachloride	5.530	117	93149	11.766	ug/l	99
31) Isopropyl Ether	3.996	45	147672	8.235	ug/l	98
32) Ethyl-t-butyl ether	4.504	59	144744	8.049	ug/l	94
33) Tert-Amyl methyl ether	5.944	73	141431	8.773	ug/l	98
34) Propionitrile	4.813	54	28414	50.609	ug/l	# 82
35) Benzene	5.777	78	240204	9.318	ug/l	99
36) 1,2-Dichloroethane	5.796	62	81089	9.749	ug/l	100
37) Trichloroethene	6.546	130	60196	9.593	ug/l	98
38) 1,2-Dichloropropane	6.793	63	63858	9.538	ug/l	98
39) Methacrylonitrile	4.980	41	21403	9.672	ug/l	97
40) Methyl acrylate	4.851	55	41991	11.249	ug/l	98
41) Tetrahydrofuran	5.073	42	23304	18.439	ug/l	97
42) 1-Chlorobutane	5.462	56	115627	9.083	ug/l	94
43) Dibromomethane	6.922	93	37142	10.879	ug/l	98
44) Bromodichloromethane	7.108	83	90328	10.686	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.796	43	218698	48.225	ug/l	98
46) t-1,4-Dichloro-2-butene	10.832	75	48995m	29.388	ug/l	
47) Methyl methacrylate	6.964	69	68612	20.245	ug/l	91
48) Ethyl methacrylate	8.333	69	61827	9.429	ug/l	94
49) Toluene	7.970	92	153642	9.674	ug/l	99
50) t-1,3-Dichloropropene	8.211	75	84375	10.304	ug/l	99
51) cis-1,3-Dichloropropene	7.610	75	93187	9.828	ug/l	92
52) 1,1,2-Trichloroethane	8.404	97	51131	10.475	ug/l	98
53) 1,3-Dichloropropane	8.578	76	89481	9.907	ug/l	99
54) 2-Hexanone	8.687	43	165224	47.310	ug/l	99
55) Dibromochloromethane	8.812	129	63987	12.133	ug/l	99
56) 1,2-Dibromoethane	8.925	107	49513	10.747	ug/l	99
58) Tetrachloroethene	8.555	164	52924	9.346	ug/l	98
59) Chlorobenzene	9.449	112	156336	9.516	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.536	131	61305	10.916	ug/l	98
61) Pentachloroethane	11.430	117	49583	11.987	ug/l	93
62) Hexachloroethane	12.478	117	52219	11.999	ug/l	93
63) Ethyl Benzene	9.571	91	284015	9.657	ug/l	100
64) m/p-Xylenes	9.697	106	227237	20.205	ug/l	99
65) o-Xylene	10.102	106	105498	9.655	ug/l	98
66) Styrene	10.115	104	191045	10.578	ug/l	97
67) Bromoform	10.291	173	37979	13.425	ug/l #	98
69) Isopropylbenzene	10.488	105	277255	9.692	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.783	83	68680	10.861	ug/l	99
71) 1,2,3-Trichloropropane	10.828	75	44162m	8.697	ug/l	
72) Bromobenzene	10.783	156	67454	10.453	ug/l	91
73) n-propylbenzene	10.909	120	78407	10.361	ug/l	98
74) 2-Chlorotoluene	10.989	126	66509	10.173	ug/l	96
75) 1,3,5-Trimethylbenzene	11.089	105	246758	10.258	ug/l	99
76) 4-Chlorotoluene	11.099	126	71568	10.622	ug/l	96
77) tert-Butylbenzene	11.423	119	236231	10.104	ug/l	98
78) 1,2,4-Trimethylbenzene	11.468	105	253959	10.332	ug/l	100
79) sec-Butylbenzene	11.645	105	322488	10.020	ug/l	100
80) Nitrobenzene	13.208	77	17855	87.728	ug/l #	94
81) p-Isopropyltoluene	11.796	119	273030	10.534	ug/l	100
82) 1,3-Dichlorobenzene	11.748	146	136153	10.532	ug/l	99
83) 1,4-Dichlorobenzene	11.838	146	138646	10.789	ug/l	99
84) n-Butylbenzene	12.211	91	256057	10.438	ug/l	99
85) 1,2-Dichlorobenzene	12.214	146	131340	10.662	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.996	75	13595	12.600	ug/l	98
87) 1,2,4-Trichlorobenzene	13.841	180	85804	11.303	ug/l	98
88) Hexachlorobutadiene	14.021	225	46924	12.740	ug/l	98
89) Naphthalene	14.089	128	178983	11.936	ug/l	99
90) 1,2,3-Trichlorobenzene	14.330	180	86638	12.082	ug/l	99

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

