

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU123021\
 Data File : VU046646.D
 Acq On : 30 Dec 2021 13:07
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU123021

Manual Integrations
 APPROVED

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

Quant Time: Dec 31 07:23:42 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	19925	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	10232	1.443	ug/l	0.00
Spiked Amount 1.000			Recovery	=	144.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	7813	1.019	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	47184	6.177	ug/l	99
3) Chloromethane	1.523	50	51178	7.579	ug/l	100
4) Vinyl Chloride	1.607	62	57521	7.925	ug/l	100
5) Bromomethane	1.864	94	32216	8.500	ug/l	99
6) Chloroethane	1.941	64	36475	8.469	ug/l	100
7) Trichlorofluoromethane	2.144	101	89606	8.810	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.587	101	52634	9.301	ug/l	96
9) 1,1-Dichloroethene	2.584	96	49206	9.261	ug/l	95
10) Iodomethane	2.729	142	53792	9.763	ug/l	89
11) Allyl Chloride	2.928	41	69535	10.376	ug/l	91
12) Acrylonitrile	3.330	53	79712	56.207	ug/l	90
13) Acetone	2.658	43	72877	57.094	ug/l	95
14) Carbon Disulfide	2.800	76	125812	7.409	ug/l	99
15) Methylene Chloride	3.050	84	62702	10.678	ug/l	97
16) trans-1,2-Dichloroethene	3.359	96	54508	9.820	ug/l	95
17) 1,1-Dichloroethane	3.877	63	109809	10.605	ug/l	99
18) 2-Butanone	4.722	43	97802	51.276	ug/l	98
19) Cyclohexane	5.394	56	65808	9.703	ug/l	# 80
20) Methylcyclohexane	6.767	83	82370	10.280	ug/l	98
21) 2,2-Dichloropropane	4.671	77	89050	10.088	ug/l	100
22) cis-1,2-Dichloroethene	4.671	96	64531	10.863	ug/l	94
23) Diethyl Ether	2.378	59	39899	10.055	ug/l	94
24) tert-Butyl Alcohol	3.353	59	28589m	64.758	ug/l	
25) Methyl tert-Butyl Ether	3.366	73	154878	12.059	ug/l	95
26) Bromochloromethane	4.980	128	25376	8.633	ug/l	93
27) Chloroform	5.092	83	118326	10.298	ug/l	99
28) 1,1,1-Trichloroethane	5.320	97	100305	10.117	ug/l	96
29) 1,1-Dichloropropene	5.529	75	78726	10.090	ug/l	100
30) Carbon Tetrachloride	5.529	117	89724	9.920	ug/l	99
31) Isopropyl Ether	3.996	45	170624	13.235	ug/l	# 1
32) Ethyl-t-butyl ether	3.996	59	33682m	2.643	ug/l	
33) Tert-Amyl methyl ether	5.529	73	11793m	0.960	ug/l	
34) Propionitrile	4.803	54	66542	117.732	ug/l	# 83
35) Benzene	5.777	78	231709	10.394	ug/l	99
36) 1,2-Dichloroethane	5.800	62	80663	10.552	ug/l	100
37) Trichloroethene	6.546	130	56933	9.996	ug/l	99
38) 1,2-Dichloropropane	6.796	63	64330	10.901	ug/l	99
39) Methacrylonitrile	4.980	41	22678	11.980	ug/l	99
40) Methyl acrylate	4.848	55	50309	15.159	ug/l	96
41) Tetrahydrofuran	5.066	42	61190	63.678	ug/l	98
42) 1-Chlorobutane	5.462	56	104668	10.213	ug/l	98
43) Dibromomethane	6.922	93	38368	10.984	ug/l	97
44) Bromodichloromethane	7.108	83	95479	10.982	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.796	43	231400	61.941	ug/l	99
46) t-1,4-Dichloro-2-butene	10.832	75	31680m	15.735	ug/l	
47) Methyl methacrylate	6.963	69	32417	11.409	ug/l	91
48) Ethyl methacrylate	8.336	69	64487	12.733	ug/l	91
49) Toluene	7.973	92	144587	11.085	ug/l	99
50) t-1,3-Dichloropropene	8.214	75	88525	11.821	ug/l	100
51) cis-1,3-Dichloropropene	7.610	75	101465	12.304	ug/l	94
52) 1,1,2-Trichloroethane	8.404	97	52999	10.912	ug/l	99
53) 1,3-Dichloropropane	8.578	76	92137	11.107	ug/l	100
54) 2-Hexanone	8.687	43	167341	61.300	ug/l	99
55) Dibromochloromethane	8.812	129	66731	10.985	ug/l	100
56) 1,2-Dibromoethane	8.925	107	50417	10.898	ug/l	97
58) Tetrachloroethene	8.555	164	52085	10.345	ug/l	99
59) Chlorobenzene	9.449	112	150660	10.702	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.539	131	63030	10.663	ug/l	97
61) Pentachloroethane	11.430	117	52426	10.638	ug/l	94
62) Hexachloroethane	12.478	117	53234	10.772	ug/l	95
63) Ethyl Benzene	9.574	91	276642	11.974	ug/l	100
64) m/p-Xylenes	9.697	106	221793	24.176	ug/l	99
65) o-Xylene	10.105	106	104918	12.094	ug/l	99
66) Styrene	10.118	104	191874	12.656	ug/l	96
67) Bromoform	10.291	173	42217	11.589	ug/l #	99
69) Isopropylbenzene	10.487	105	284493	12.450	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.787	83	71798	11.041	ug/l	99
71) 1,2,3-Trichloropropane	10.825	75	37148m	8.936	ug/l	
72) Bromobenzene	10.783	156	68214	11.229	ug/l	92
73) n-propylbenzene	10.909	120	79485	12.190	ug/l	96
74) 2-Chlorotoluene	10.989	126	67780	12.024	ug/l	94
75) 1,3,5-Trimethylbenzene	11.089	105	254899	10.704	ug/l	97
76) 4-Chlorotoluene	11.098	126	71356	11.915	ug/l	97
77) tert-Butylbenzene	11.423	119	237682	12.239	ug/l	97
78) 1,2,4-Trimethylbenzene	11.468	105	253644	10.413	ug/l	100
79) sec-Butylbenzene	11.645	105	329459	12.514	ug/l	100
80) Nitrobenzene	13.208	77	3592	15.052	ug/l #	90
81) p-Isopropyltoluene	11.796	119	275149	10.361	ug/l	99
82) 1,3-Dichlorobenzene	11.748	146	140729	11.297	ug/l	100
83) 1,4-Dichlorobenzene	11.838	146	143375	11.515	ug/l	99
84) n-Butylbenzene	12.211	91	259579	12.525	ug/l	98
85) 1,2-Dichlorobenzene	12.214	146	138019	11.561	ug/l	100
86) 1,2-Dibromo-3-Chloropr...	12.999	75	14161	11.824	ug/l	99
87) 1,2,4-Trichlorobenzene	13.841	180	97001	13.397	ug/l	99
88) Hexachlorobutadiene	14.024	225	51014	11.439	ug/l	99
89) Naphthalene	14.089	128	199880	11.656	ug/l	100
90) 1,2,3-Trichlorobenzene	14.330	180	91977	13.034	ug/l	98

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

