

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU123021\
 Data File : VU046640.D
 Acq On : 30 Dec 2021 08:57
 Operator : SY/MD
 Sample : VSTDIC0.5
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

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

Quant Time: Dec 30 10:57:52 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	18744	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.635	95	6082	0.894	ug/l	0.00
Spiked Amount 1.000			Recovery	=	89.000%	
68) 1,2-Dichlorobenzene-d4	12.198	152	7081	1.085	ug/l	0.00
Spiked Amount 1.000			Recovery	=	109.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	3923	0.556	ug/l	97
3) Chloromethane	1.523	50	3634	0.502	ug/l	95
4) Vinyl Chloride	1.607	62	3821	0.508	ug/l	100
5) Bromomethane	1.864	94	1990	0.483	ug/l	99
6) Chloroethane	1.938	64	2348	0.486	ug/l	89
7) Trichlorofluoromethane	2.144	101	5079	0.565	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.584	101	2896	0.563	ug/l	94
9) 1,1-Dichloroethene	2.588	96	2926	0.606	ug/l	86
10) Iodomethane	2.732	142	1590	0.321	ug/l	# 86
11) Allyl Chloride	2.928	41	3536	0.510	ug/l	93
12) Acrylonitrile	3.350	53	1382	1.111	ug/l	# 75
13) Acetone	2.674	43	3529m	2.500	ug/l	
14) Carbon Disulfide	2.800	76	9304	0.628	ug/l	100
15) Methylene Chloride	3.054	84	4714	0.807	ug/l	95
16) trans-1,2-Dichloroethene	3.356	96	2883	0.555	ug/l	80
17) 1,1-Dichloroethane	3.877	63	5501	0.568	ug/l	97
18) 2-Butanone	4.745	43	5024m	2.729	ug/l	
19) Cyclohexane	5.391	56	3110	0.361	ug/l	86
20) Methylcyclohexane	6.767	83	3400	0.388	ug/l	92
21) 2,2-Dichloropropane	4.671	77	4612	0.559	ug/l	96
22) cis-1,2-Dichloroethene	4.674	96	2959	0.519	ug/l	98
23) Diethyl Ether	2.382	59	2019	0.457	ug/l	96
24) tert-Butyl Alcohol	3.356	59	893m	2.366	ug/l	
25) Methyl tert-Butyl Ether	3.372	73	6241	0.467	ug/l	# 78
26) Bromochloromethane	4.983	128	1498	0.604	ug/l	97
27) Chloroform	5.092	83	6502	0.648	ug/l	90
28) 1,1,1-Trichloroethane	5.321	97	5373	0.648	ug/l	93
29) 1,1-Dichloropropene	5.530	75	3622	0.484	ug/l	95
30) Carbon Tetrachloride	5.533	117	4742	0.717	ug/l	# 93
31) Isopropyl Ether	3.996	45	6163	0.411	ug/l	86
32) Ethyl-t-butyl ether	4.507	59	6203	0.413	ug/l	98
33) Tert-Amyl methyl ether	5.944	73	5794	0.430	ug/l	# 96
34) Propionitrile	4.835	54	1376m	2.934	ug/l	
35) Benzene	5.780	78	11137	0.517	ug/l	94
36) 1,2-Dichloroethane	5.796	62	3878	0.558	ug/l	# 92
37) Trichloroethene	6.546	130	2987	0.570	ug/l	91
38) 1,2-Dichloropropane	6.796	63	2882	0.515	ug/l	99
39) Methacrylonitrile	4.986	41	785m	0.425	ug/l	
40) Methyl acrylate	4.861	55	1516	0.486	ug/l	# 70
41) Tetrahydrofuran	5.079	42	856m	0.811	ug/l	
42) 1-Chlorobutane	5.462	56	4851	0.456	ug/l	99
43) Dibromomethane	6.922	93	1758	0.616	ug/l	92
44) Bromodichloromethane	7.108	83	4598	0.651	ug/l	# 99

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45) 4-Methyl-2-Pentanone	7.793	43	8577	2.264	ug/l	95
46) t-1,4-Dichloro-2-butene	10.832	75	2076m	1.491	ug/l	
47) Methyl methacrylate	6.964	69	2335	0.825	ug/l	98
48) Ethyl methacrylate	8.337	69	2143	0.391	ug/l	96
49) Toluene	7.970	92	5720	0.431	ug/l	96
50) t-1,3-Dichloropropene	8.214	75	3376	0.494	ug/l	97
51) cis-1,3-Dichloropropene	7.610	75	3977	0.502	ug/l #	85
52) 1,1,2-Trichloroethane	8.404	97	2488	0.610	ug/l	98
53) 1,3-Dichloropropane	8.581	76	4091	0.542	ug/l	100
54) 2-Hexanone	8.690	43	5931	2.033	ug/l	95
55) Dibromochloromethane	8.812	129	3121	0.708	ug/l	99
56) 1,2-Dibromoethane	8.928	107	2359	0.613	ug/l	98
58) Tetrachloroethene	8.555	164	2589	0.547	ug/l	94
59) Chlorobenzene	9.449	112	6780	0.494	ug/l	94
60) 1,1,1,2-Tetrachloroethane	9.536	131	3223	0.687	ug/l	94
61) Pentachloroethane	11.430	117	2514	0.727	ug/l	93
62) Hexachloroethane	12.475	117	2383	0.655	ug/l	99
63) Ethyl Benzene	9.574	91	9490	0.386	ug/l	99
64) m/p-Xylenes	9.697	106	7087	0.754	ug/l	97
65) o-Xylene	10.102	106	3545	0.388	ug/l	96
66) Styrene	10.118	104	5762	0.382	ug/l	99
67) Bromoform	10.291	173	1774	0.751	ug/l #	93
69) Isopropylbenzene	10.484	105	9046	0.379	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.783	83	3273	0.620	ug/l	97
71) 1,2,3-Trichloropropane	10.828	75	2146m	0.506	ug/l	
72) Bromobenzene	10.783	156	2825	0.524	ug/l	92
73) n-propylbenzene	10.909	120	2525	0.399	ug/l	83
74) 2-Chlorotoluene	10.986	126	2277	0.417	ug/l	98
75) 1,3,5-Trimethylbenzene	11.092	105	6948	0.346	ug/l	96
76) 4-Chlorotoluene	11.099	126	2247	0.399	ug/l	97
77) tert-Butylbenzene	11.423	119	7537	0.386	ug/l	95
78) 1,2,4-Trimethylbenzene	11.468	105	6962	0.339	ug/l	98
79) sec-Butylbenzene	11.645	105	9874	0.367	ug/l	99
80) Nitrobenzene	13.214	77	419	2.464	ug/l #	42
81) p-Isopropyltoluene	11.793	119	7761	0.358	ug/l	97
82) 1,3-Dichlorobenzene	11.748	146	5606	0.519	ug/l	99
83) 1,4-Dichlorobenzene	11.838	146	5677	0.529	ug/l	96
84) n-Butylbenzene	12.211	91	8005	0.391	ug/l	92
85) 1,2-Dichlorobenzene	12.214	146	5508	0.535	ug/l	100
86) 1,2-Dibromo-3-Chloropr...	12.999	75	482	0.535	ug/l	89
87) 1,2,4-Trichlorobenzene	13.841	180	2938	0.463	ug/l	97
88) Hexachlorobutadiene	14.021	225	2136	0.694	ug/l	95
89) Naphthalene	14.089	128	4972	0.397	ug/l #	92
90) 1,2,3-Trichlorobenzene	14.333	180	2928	0.489	ug/l	98

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

