

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU123021\
 Data File : VU046649.D
 Acq On : 30 Dec 2021 15:23
 Operator : SY/MD
 Sample : VU1230WBSD01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1230WBSD01

Manual Integrations
 APPROVED

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

Quant Time: Dec 31 07:25:16 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	20207	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	6803	0.946	ug/l	0.00
Spiked Amount 1.000			Recovery	=	95.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	7708	0.991	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	14537	1.876	ug/l	100
3) Chloromethane	1.523	50	12736	1.860	ug/l	96
4) Vinyl Chloride	1.607	62	13859	1.883	ug/l	99
5) Bromomethane	1.864	94	7439	1.935	ug/l	99
6) Chloroethane	1.938	64	7998	1.831	ug/l	95
7) Trichlorofluoromethane	2.144	101	19645	1.905	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.588	101	10934	1.905	ug/l	95
9) 1,1-Dichloroethene	2.588	96	10103	1.875	ug/l	98
10) Iodomethane	2.729	142	9305	2.198	ug/l	# 85
11) Allyl Chloride	2.928	41	13208	1.943	ug/l	91
12) Acrylonitrile	3.340	53	4849	3.371	ug/l	89
13) Acetone	2.665	43	10901	8.421	ug/l	98
14) Carbon Disulfide	2.800	76	32117	1.865	ug/l	97
15) Methylene Chloride	3.054	84	13029	2.027	ug/l	95
16) trans-1,2-Dichloroethene	3.359	96	10524	1.869	ug/l	98
17) 1,1-Dichloroethane	3.874	63	20711	1.972	ug/l	99
18) 2-Butanone	4.729	43	16865	8.719	ug/l	99
19) Cyclohexane	5.391	56	12482	1.815	ug/l	86
20) Methylcyclohexane	6.767	83	13998	1.723	ug/l	97
21) 2,2-Dichloropropane	4.671	77	16797	1.876	ug/l	98
22) cis-1,2-Dichloroethene	4.674	96	11263	1.869	ug/l	98
23) Diethyl Ether	2.382	59	7501	1.864	ug/l	94
24) tert-Butyl Alcohol	3.424	59	159	3.055	ug/l	# 1
25) Methyl tert-Butyl Ether	3.369	73	23859	1.832	ug/l	100
26) Bromochloromethane	4.983	128	5772	1.936	ug/l	94
27) Chloroform	5.095	83	22205	1.906	ug/l	95
28) 1,1,1-Trichloroethane	5.321	97	19219	1.912	ug/l	97
29) 1,1-Dichloropropene	5.530	75	14203	1.795	ug/l	98
30) Carbon Tetrachloride	5.526	117	17115	1.866	ug/l	96
31) Isopropyl Ether	3.999	45	23929	1.830	ug/l	93
32) Ethyl-t-butyl ether	4.507	59	23253	1.799	ug/l	94
33) Tert-Amyl methyl ether	5.941	73	21952	1.763	ug/l	98
34) Propionitrile	4.816	54	2501	4.363	ug/l	# 75
35) Benzene	5.780	78	42693	1.888	ug/l	99
36) 1,2-Dichloroethane	5.800	62	14496	1.870	ug/l	100
37) Trichloroethene	6.542	130	11299	1.956	ug/l	94
38) 1,2-Dichloropropane	6.796	63	11213	1.874	ug/l	95
39) Methacrylonitrile	4.983	41	3362	1.751	ug/l	97
40) Methyl acrylate	4.854	55	5196	1.544	ug/l	# 93
41) Tetrahydrofuran	5.076	42	3803	3.902	ug/l	94
42) 1-Chlorobutane	5.462	56	19620	1.888	ug/l	98
43) Dibromomethane	6.925	93	6728	1.899	ug/l	98
44) Bromodichloromethane	7.108	83	17210	1.952	ug/l	97

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45) 4-Methyl-2-Pentanone	7.796	43	32608	8.607	ug/l	97
46) t-1,4-Dichloro-2-butene	10.832	75	7795m	3.818	ug/l	
47) Methyl methacrylate	6.964	69	10257	3.560	ug/l	94
48) Ethyl methacrylate	8.336	69	8790	1.711	ug/l	92
49) Toluene	7.973	92	23940	1.810	ug/l	96
50) t-1,3-Dichloropropene	8.214	75	14091	1.855	ug/l	92
51) cis-1,3-Dichloropropene	7.613	75	15091	1.805	ug/l	91
52) 1,1,2-Trichloroethane	8.404	97	9218	1.871	ug/l	99
53) 1,3-Dichloropropane	8.578	76	15514	1.844	ug/l	98
54) 2-Hexanone	8.690	43	23828	8.607	ug/l	95
55) Dibromochloromethane	8.812	129	11736	1.905	ug/l	98
56) 1,2-Dibromoethane	8.928	107	8448	1.801	ug/l	98
58) Tetrachloroethene	8.555	164	9915	1.942	ug/l	96
59) Chlorobenzene	9.449	112	26488	1.855	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.536	131	11345	1.892	ug/l	99
61) Pentachloroethane	11.430	117	9052	1.811	ug/l	98
62) Hexachloroethane	12.478	117	9274	1.850	ug/l	94
63) Ethyl Benzene	9.571	91	39494	1.686	ug/l	96
64) m/p-Xylenes	9.697	106	32475	3.491	ug/l	99
65) o-Xylene	10.102	106	15549	1.767	ug/l	98
66) Styrene	10.118	104	26516	1.725	ug/l	99
67) Bromoform	10.295	173	6902	1.868	ug/l	95
69) Isopropylbenzene	10.488	105	40543	1.749	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.783	83	12295	1.864	ug/l	100
71) 1,2,3-Trichloropropane	10.825	75	6478m	1.537	ug/l	
72) Bromobenzene	10.783	156	11482	1.864	ug/l	93
73) n-propylbenzene	10.909	120	11230	1.698	ug/l	98
74) 2-Chlorotoluene	10.989	126	10606	1.855	ug/l	94
75) 1,3,5-Trimethylbenzene	11.092	105	35102	1.865	ug/l	99
76) 4-Chlorotoluene	11.098	126	11595	1.909	ug/l	92
77) tert-Butylbenzene	11.423	119	35140	1.784	ug/l	96
78) 1,2,4-Trimethylbenzene	11.468	105	35703	1.855	ug/l	99
79) sec-Butylbenzene	11.645	105	48527	1.818	ug/l	99
80) Nitrobenzene	13.214	77	2574	11.059	ug/l #	93
81) p-Isopropyltoluene	11.796	119	37966	1.857	ug/l	98
82) 1,3-Dichlorobenzene	11.748	146	23629	1.870	ug/l	100
83) 1,4-Dichlorobenzene	11.838	146	24566	1.946	ug/l	96
84) n-Butylbenzene	12.211	91	36303	1.727	ug/l	97
85) 1,2-Dichlorobenzene	12.214	146	22245	1.837	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	13.002	75	2246	1.849	ug/l	95
87) 1,2,4-Trichlorobenzene	13.841	180	12987	1.769	ug/l	97
88) Hexachlorobutadiene	14.024	225	8532	1.886	ug/l	98
89) Naphthalene	14.089	128	21463	1.852	ug/l	98
90) 1,2,3-Trichlorobenzene	14.330	180	12624	1.764	ug/l	97

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

