

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU123021\
 Data File : VU046653.D
 Acq On : 30 Dec 2021 17:00
 Operator : SY/MD
 Sample : M5221-05MS
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PW-B6-L10-122221MS

Quant Time: Dec 31 07:26:50 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) Fluorobenzene	6.118	96	20655	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.636	95	7202	0.980	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	8161	1.026	ug/l	0.00
Spiked Amount 1.000			Recovery	=	103.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	77303	9.762	ug/l	99
3) Chloromethane	1.523	50	67638	9.663	ug/l	99
4) Vinyl Chloride	1.607	62	72958	9.697	ug/l	100
5) Bromomethane	1.864	94	40293	10.255	ug/l	100
6) Chloroethane	1.938	64	42791	9.585	ug/l	99
7) Trichlorofluoromethane	2.144	101	101393	9.617	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.584	101	59223	10.095	ug/l	96
9) 1,1-Dichloroethene	2.584	96	51393	9.330	ug/l	96
10) Iodomethane	2.729	142	62145	10.806	ug/l	# 86
11) Allyl Chloride	2.929	41	68598	9.875	ug/l	94
12) Acrylonitrile	3.330	53	29908	20.344	ug/l	94
13) Acetone	2.662	43	55470	41.921	ug/l	99
14) Carbon Disulfide	2.800	76	165360	9.394	ug/l	99
15) Methylene Chloride	3.051	84	60143	9.865	ug/l	96
16) trans-1,2-Dichloroethene	3.359	96	56134	9.755	ug/l	98
17) 1,1-Dichloroethane	3.874	63	104829	9.767	ug/l	100
18) 2-Butanone	4.723	43	95922	48.513	ug/l	100
19) Cyclohexane	5.391	56	74472	10.592	ug/l	# 83
20) Methylcyclohexane	6.768	83	91008	10.956	ug/l	99
21) 2,2-Dichloropropane	4.668	77	87619	9.575	ug/l	100
22) cis-1,2-Dichloroethene	4.671	96	63625	10.332	ug/l	96
23) Diethyl Ether	2.382	59	38889	9.454	ug/l	95
24) tert-Butyl Alcohol	3.276	59	12019	27.876	ug/l	# 1
25) Methyl tert-Butyl Ether	3.369	73	136187	10.229	ug/l	95
26) Bromochloromethane	4.980	128	29615	9.719	ug/l	94
27) Chloroform	5.092	83	112595	9.453	ug/l	98
28) 1,1,1-Trichloroethane	5.321	97	99641	9.695	ug/l	97
29) 1,1-Dichloropropene	5.530	75	84774	10.481	ug/l	100
30) Carbon Tetrachloride	5.530	117	90726	9.676	ug/l	99
31) Isopropyl Ether	3.996	45	138052	10.330	ug/l	95
32) Ethyl-t-butyl ether	4.504	59	133566	10.111	ug/l	96
33) Tert-Amyl methyl ether	5.941	73	132979	10.446	ug/l	98
34) Propionitrile	4.809	54	30896	52.732	ug/l	# 1
35) Benzene	5.777	78	232549	10.063	ug/l	100
36) 1,2-Dichloroethane	5.797	62	77098	9.729	ug/l	99
37) Trichloroethene	6.546	130	59942	10.152	ug/l	100
38) 1,2-Dichloropropane	6.793	63	61772	10.097	ug/l	99
39) Methacrylonitrile	4.980	41	20035	10.210	ug/l	95
40) Methyl acrylate	4.851	55	37147	10.797	ug/l	98
41) Tetrahydrofuran	5.070	42	22451	22.538	ug/l	98
42) 1-Chlorobutane	5.462	56	112891	10.626	ug/l	96
43) Dibromomethane	6.922	93	35729	9.867	ug/l	98
44) Bromodichloromethane	7.108	83	87074	9.661	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.796	43	208967	53.959	ug/l	99
46) t-1,4-Dichloro-2-butene	10.838	75	40645m	19.474	ug/l	
47) Methyl methacrylate	6.964	69	64510	21.902	ug/l	91
48) Ethyl methacrylate	8.337	69	56649	10.790	ug/l	95
49) Toluene	7.973	92	146870	10.862	ug/l	99
50) t-1,3-Dichloropropene	8.211	75	78781	10.148	ug/l	99
51) cis-1,3-Dichloropropene	7.610	75	86246	10.089	ug/l	91
52) 1,1,2-Trichloroethane	8.404	97	48769	9.686	ug/l	99
53) 1,3-Dichloropropane	8.578	76	85819	9.980	ug/l	99
54) 2-Hexanone	8.687	43	151624	53.580	ug/l	99
55) Dibromochloromethane	8.813	129	60974	9.683	ug/l	99
56) 1,2-Dibromoethane	8.925	107	46834	9.766	ug/l	100
58) Tetrachloroethene	8.555	164	55888	10.708	ug/l	100
59) Chlorobenzene	9.449	112	149369	10.235	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.536	131	59132	9.650	ug/l	98
61) Pentachloroethane	11.430	117	53212	10.416	ug/l	95
62) Hexachloroethane	12.478	117	51689	10.090	ug/l	95
63) Ethyl Benzene	9.571	91	271947	11.355	ug/l	99
64) m/p-Xylenes	9.697	106	221969	23.340	ug/l	100
65) o-Xylene	10.102	106	99867	11.105	ug/l	100
66) Styrene	10.115	104	184077	11.712	ug/l	97
67) Bromoform	10.292	173	37391	9.901	ug/l #	99
69) Isopropylbenzene	10.488	105	267870	11.308	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.783	83	66068	9.800	ug/l	100
71) 1,2,3-Trichloropropane	10.832	75	42130m	9.776	ug/l	
72) Bromobenzene	10.783	156	65041	10.329	ug/l	92
73) n-propylbenzene	10.909	120	77706	11.496	ug/l	96
74) 2-Chlorotoluene	10.986	126	64799	11.089	ug/l	96
75) 1,3,5-Trimethylbenzene	11.089	105	240837	9.798	ug/l	99
76) 4-Chlorotoluene	11.099	126	70754	11.397	ug/l	95
77) tert-Butylbenzene	11.423	119	231754	11.512	ug/l	96
78) 1,2,4-Trimethylbenzene	11.468	105	248118	9.853	ug/l	99
79) sec-Butylbenzene	11.645	105	314247	11.515	ug/l	100
80) Nitrobenzene	13.208	77	17803	51.628	ug/l #	97
81) p-Isopropyltoluene	11.796	119	266691	9.721	ug/l	100
82) 1,3-Dichlorobenzene	11.748	146	132232	10.240	ug/l	99
83) 1,4-Dichlorobenzene	11.838	146	136223	10.554	ug/l	99
84) n-Butylbenzene	12.211	91	250565	11.663	ug/l	98
85) 1,2-Dichlorobenzene	12.214	146	128274	10.365	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.999	75	12730	10.254	ug/l	99
87) 1,2,4-Trichlorobenzene	13.841	180	79654	10.613	ug/l	100
88) Hexachlorobutadiene	14.021	225	45116	9.759	ug/l	98
89) Naphthalene	14.089	128	163531	9.793	ug/l	100
90) 1,2,3-Trichlorobenzene	14.330	180	80304	10.977	ug/l	98

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

