

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU123021\
 Data File : VU046654.D
 Acq On : 30 Dec 2021 17:24
 Operator : SY/MD
 Sample : M5221-06MSD
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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

Quant Time: Dec 31 07:27:26 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	21477	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	7486	0.980	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	8017	0.970	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	79342	9.636	ug/l	100
3) Chloromethane	1.523	50	67249	9.239	ug/l	99
4) Vinyl Chloride	1.607	62	74980	9.584	ug/l	99
5) Bromomethane	1.864	94	42728	10.458	ug/l	100
6) Chloroethane	1.938	64	43065	9.277	ug/l	98
7) Trichlorofluoromethane	2.144	101	106367	9.703	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.588	101	60524	9.922	ug/l	96
9) 1,1-Dichloroethene	2.584	96	54079	9.442	ug/l	97
10) Iodomethane	2.729	142	65456	10.938	ug/l	# 86
11) Allyl Chloride	2.928	41	72668	10.060	ug/l	94
12) Acrylonitrile	3.337	53	29796	19.492	ug/l	95
13) Acetone	2.665	43	58287	42.364	ug/l	99
14) Carbon Disulfide	2.800	76	168158	9.187	ug/l	100
15) Methylene Chloride	3.051	84	62836	9.913	ug/l	96
16) trans-1,2-Dichloroethene	3.359	96	59338	9.917	ug/l	97
17) 1,1-Dichloroethane	3.877	63	109199	9.784	ug/l	99
18) 2-Butanone	4.729	43	95555	46.478	ug/l	100
19) Cyclohexane	5.395	56	79190	10.832	ug/l	# 82
20) Methylcyclohexane	6.768	83	94789	10.975	ug/l	98
21) 2,2-Dichloropropane	4.668	77	92299	9.701	ug/l	99
22) cis-1,2-Dichloroethene	4.671	96	66527	10.389	ug/l	96
23) Diethyl Ether	2.382	59	40629	9.499	ug/l	95
24) tert-Butyl Alcohol	3.289	59	11127	25.117	ug/l	# 1
25) Methyl tert-Butyl Ether	3.369	73	146447	10.578	ug/l	97
26) Bromochloromethane	4.980	128	31102	9.816	ug/l	93
27) Chloroform	5.096	83	116503	9.407	ug/l	100
28) 1,1,1-Trichloroethane	5.321	97	104722	9.800	ug/l	97
29) 1,1-Dichloropropene	5.530	75	87797	10.439	ug/l	99
30) Carbon Tetrachloride	5.530	117	93940	9.636	ug/l	99
31) Isopropyl Ether	3.996	45	150295	10.816	ug/l	97
32) Ethyl-t-butyl ether	4.507	59	144625	10.529	ug/l	93
33) Tert-Amyl methyl ether	5.944	73	144943	10.950	ug/l	98
34) Propionitrile	4.819	54	31887	52.340	ug/l	# 71
35) Benzene	5.777	78	242144	10.077	ug/l	100
36) 1,2-Dichloroethane	5.797	62	80005	9.709	ug/l	100
37) Trichloroethene	6.546	130	64367	10.485	ug/l	97
38) 1,2-Dichloropropane	6.793	63	65380	10.278	ug/l	99
39) Methacrylonitrile	4.980	41	21261	10.420	ug/l	98
40) Methyl acrylate	4.851	55	38539	10.773	ug/l	# 98
41) Tetrahydrofuran	5.073	42	23456	22.646	ug/l	96
42) 1-Chlorobutane	5.462	56	115074	10.417	ug/l	97
43) Dibromomethane	6.922	93	36459	9.683	ug/l	98
44) Bromodichloromethane	7.108	83	90817	9.691	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.796	43	215577	53.536	ug/l	98
46) t-1,4-Dichloro-2-butene	10.832	75	48990m	22.574	ug/l	
47) Methyl methacrylate	6.964	69	67816	22.143	ug/l	91
48) Ethyl methacrylate	8.337	69	61233	11.217	ug/l	93
49) Toluene	7.973	92	154114	10.961	ug/l	97
50) t-1,3-Dichloropropene	8.211	75	84527	10.472	ug/l	99
51) cis-1,3-Dichloropropene	7.610	75	91904	10.340	ug/l	92
52) 1,1,2-Trichloroethane	8.404	97	50577	9.660	ug/l	99
53) 1,3-Dichloropropane	8.578	76	88446	9.892	ug/l	98
54) 2-Hexanone	8.687	43	157830	53.638	ug/l	100
55) Dibromochloromethane	8.812	129	62751	9.583	ug/l	98
56) 1,2-Dibromoethane	8.925	107	48419	9.710	ug/l	98
58) Tetrachloroethene	8.555	164	56577	10.425	ug/l	96
59) Chlorobenzene	9.449	112	157028	10.348	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.536	131	62276	9.774	ug/l	98
61) Pentachloroethane	11.430	117	54617	10.282	ug/l	92
62) Hexachloroethane	12.478	117	53718	10.085	ug/l	95
63) Ethyl Benzene	9.571	91	282728	11.353	ug/l	100
64) m/p-Xylenes	9.697	106	227360	22.992	ug/l	100
65) o-Xylene	10.105	106	104948	11.223	ug/l	99
66) Styrene	10.115	104	189942	11.623	ug/l	98
67) Bromoform	10.292	173	37997	9.677	ug/l #	98
69) Isopropylbenzene	10.488	105	280192	11.376	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.783	83	66301	9.458	ug/l	96
71) 1,2,3-Trichloropropane	10.828	75	49001m	10.936	ug/l	
72) Bromobenzene	10.783	156	66243	10.117	ug/l	93
73) n-propylbenzene	10.909	120	78721	11.200	ug/l	98
74) 2-Chlorotoluene	10.989	126	66732	10.983	ug/l	97
75) 1,3,5-Trimethylbenzene	11.089	105	248077	9.711	ug/l	98
76) 4-Chlorotoluene	11.099	126	70749	10.960	ug/l	97
77) tert-Butylbenzene	11.423	119	238401	11.389	ug/l	97
78) 1,2,4-Trimethylbenzene	11.468	105	253157	9.677	ug/l	99
79) sec-Butylbenzene	11.645	105	323726	11.408	ug/l	100
80) Nitrobenzene	13.208	77	19569	53.699	ug/l #	99
81) p-Isopropyltoluene	11.796	119	271117	9.516	ug/l	100
82) 1,3-Dichlorobenzene	11.748	146	133505	9.943	ug/l	99
83) 1,4-Dichlorobenzene	11.838	146	136935	10.203	ug/l	99
84) n-Butylbenzene	12.211	91	249991	11.191	ug/l	99
85) 1,2-Dichlorobenzene	12.214	146	129427	10.057	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.999	75	13371	10.358	ug/l	98
87) 1,2,4-Trichlorobenzene	13.841	180	83521	10.702	ug/l	99
88) Hexachlorobutadiene	14.021	225	46102	9.591	ug/l	98
89) Naphthalene	14.089	128	178028	10.133	ug/l	99
90) 1,2,3-Trichlorobenzene	14.330	180	84553	11.116	ug/l	99

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

