

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071921\
 Data File : VU044358.D
 Acq On : 19 Jul 2021 11:18
 Operator : SY/MD
 Sample : VU0719WBSD01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0719WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/20/2021
 Supervised By : Mahesh Dadoda 07/23/2021

Quant Time: Jul 20 01:20:41 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071621DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Jul 16 14:36:39 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.121	96	51685	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.639	95	20239	0.970	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.000%	
68) 1,2-Dichlorobenzene-d4	12.198	152	20158	0.991	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	32050	1.777	ug/l	99
3) Chloromethane	1.527	50	35320	1.800	ug/l	99
4) Vinyl Chloride	1.607	62	35316	1.783	ug/l	96
5) Bromomethane	1.861	94	20139	1.907	ug/l	98
6) Chloroethane	1.941	64	21127	1.753	ug/l	99
7) Trichlorofluoromethane	2.147	101	40056	1.871	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.588	101	25101	1.855	ug/l	96
9) 1,1-Dichloroethene	2.588	96	23832	1.806	ug/l	96
10) Iodomethane	2.729	142	30815	1.784	ug/l	89
11) Allyl Chloride	2.932	41	39095	1.799	ug/l	85
12) Acrylonitrile	3.330	53	11507	3.804	ug/l	90
13) Acetone	2.639	43	12381	8.207	ug/l #	80
14) Carbon Disulfide	2.800	76	80508	1.843	ug/l	100
15) Methylene Chloride	3.054	84	30593	1.633	ug/l	95
16) trans-1,2-Dichloroethene	3.363	96	26873	1.825	ug/l	98
17) 1,1-Dichloroethane	3.880	63	49892	1.820	ug/l	99
18) 2-Butanone	4.732	43	28529	8.818	ug/l	97
19) Cyclohexane	5.391	56	46567	1.858	ug/l	97
20) Methylcyclohexane	6.768	83	46764	1.789	ug/l	98
21) 2,2-Dichloropropane	4.674	77	39487	1.756	ug/l	95
22) cis-1,2-Dichloroethene	4.678	96	30018	1.866	ug/l	94
23) Diethyl Ether	2.385	59	20433	1.845	ug/l	97
24) tert-Butyl Alcohol	3.208	59	10288	15.655	ug/l #	72
25) Methyl tert-Butyl Ether	3.379	73	67423	1.830	ug/l	93
26) Bromochloromethane	4.983	128	12266	1.801	ug/l	99
27) Chloroform	5.099	83	49175	1.853	ug/l	100
28) 1,1,1-Trichloroethane	5.324	97	40702	1.839	ug/l	98
29) 1,1-Dichloropropene	5.533	75	38321	1.823	ug/l	99
30) Carbon Tetrachloride	5.530	117	34397	1.864	ug/l	96
31) Isopropyl Ether	4.015	45	84330	1.849	ug/l	94
32) Ethyl-t-butyl ether	4.523	59	81059	1.802	ug/l	97
33) Tert-Amyl methyl ether	5.961	73	73563	1.839	ug/l	96
34) Propionitrile	4.800	54	8126	8.874	ug/l #	93
35) Benzene	5.781	78	111012	1.817	ug/l	99
36) 1,2-Dichloroethane	5.806	62	32036	1.827	ug/l	97
37) Trichloroethene	6.549	130	27369	1.782	ug/l	94
38) 1,2-Dichloropropane	6.803	63	28742	1.777	ug/l	95
39) Methacrylonitrile	4.993	41	9358	1.792	ug/l	96
40) Methyl acrylate	4.867	55	14306	1.761	ug/l	99
41) Tetrahydrofuran	5.080	42	8169	3.299	ug/l	94
42) 1-Chlorobutane	5.465	56	54199	1.824	ug/l	94
43) Dibromomethane	6.928	93	14812	1.846	ug/l	97
44) Bromodichloromethane	7.118	83	35510	1.866	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.809	43	99076	9.091	ug/l	95
46) t-1,4-Dichloro-2-butene	10.845	75	13838m	2.996	ug/l	
47) Methyl methacrylate	6.980	69	32067	3.616	ug/l #	88
48) Ethyl methacrylate	8.346	69	32099	1.753	ug/l	94
49) Toluene	7.977	92	69848	1.817	ug/l	100
50) t-1,3-Dichloropropene	8.221	75	34827	1.762	ug/l	99
51) cis-1,3-Dichloropropene	7.616	75	41635	1.786	ug/l	96
52) 1,1,2-Trichloroethane	8.411	97	21961	1.858	ug/l	96
53) 1,3-Dichloropropane	8.584	76	39810	1.834	ug/l	100
54) 2-Hexanone	8.700	43	70612	9.108	ug/l	96
55) Dibromochloromethane	8.819	129	23041	1.800	ug/l	98
56) 1,2-Dibromoethane	8.935	107	21375	1.850	ug/l	99
58) Tetrachloroethene	8.559	164	24144	1.852	ug/l	97
59) Chlorobenzene	9.456	112	74466	1.832	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.542	131	24743	1.827	ug/l	97
61) Pentachloroethane	11.433	117	18934	1.750	ug/l	96
62) Hexachloroethane	12.481	117	19950	1.766	ug/l	98
63) Ethyl Benzene	9.578	91	132286	1.821	ug/l	100
64) m/p-Xylenes	9.700	106	100875	3.634	ug/l	100
65) o-Xylene	10.105	106	49014	1.830	ug/l	98
66) Styrene	10.121	104	83586	1.811	ug/l	98
67) Bromoform	10.298	173	12674	1.769	ug/l	99
69) Isopropylbenzene	10.491	105	129771	1.811	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.790	83	28945	1.855	ug/l	99
71) 1,2,3-Trichloropropane	10.835	75	20622m	1.542	ug/l	
72) Bromobenzene	10.790	156	30135	1.816	ug/l	93
73) n-propylbenzene	10.912	120	35174	1.821	ug/l	96
74) 2-Chlorotoluene	10.993	126	29998	1.811	ug/l	87
75) 1,3,5-Trimethylbenzene	11.095	105	108827	1.797	ug/l	98
76) 4-Chlorotoluene	11.105	126	30824	1.791	ug/l	94
77) tert-Butylbenzene	11.427	119	107863	1.817	ug/l	100
78) 1,2,4-Trimethylbenzene	11.475	105	111218	1.809	ug/l	100
79) sec-Butylbenzene	11.648	105	147809	1.828	ug/l	98
80) Nitrobenzene	13.218	77	3878	8.334	ug/l	96
81) p-Isopropyltoluene	11.800	119	120360	1.798	ug/l	100
82) 1,3-Dichlorobenzene	11.751	146	58918	1.788	ug/l	98
83) 1,4-Dichlorobenzene	11.841	146	60083	1.805	ug/l	99
84) n-Butylbenzene	12.214	91	117325	1.790	ug/l	99
85) 1,2-Dichlorobenzene	12.221	146	57985	1.816	ug/l	100
86) 1,2-Dibromo-3-Chloropr...	13.002	75	4873	1.807	ug/l	98
87) 1,2,4-Trichlorobenzene	13.848	180	39422	1.745	ug/l	99
88) Hexachlorobutadiene	14.028	225	19546	1.788	ug/l	99
89) Naphthalene	14.095	128	78452	1.737	ug/l	99
90) 1,2,3-Trichlorobenzene	14.336	180	36976	1.803	ug/l	97

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

