

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101922\
 Data File : VU051451.D
 Acq On : 19 Oct 2022 11:50
 Operator : JC/MD
 Sample : VU1019WBSD01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1019WBSD01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/20/2022
 Supervised By :Mahesh Dadoda 10/25/2022

Quant Time: Oct 20 07:13:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101722DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Oct 18 04:53:19 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.115	96	57589	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	20108	0.995	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	21814	0.967	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	38951	1.937	ug/l	100
3) Chloromethane	1.530	50	52367	1.652	ug/l	100
4) Vinyl Chloride	1.604	62	49941	1.820	ug/l	93
5) Bromomethane	1.858	94	31961	2.090	ug/l	98
6) Chloroethane	1.932	64	28505	1.823	ug/l	95
7) Trichlorofluoromethane	2.137	101	61388	2.003	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	35241	2.084	ug/l	98
9) 1,1-Dichloroethene	2.581	96	33921	1.919	ug/l	96
10) Iodomethane	2.723	142	43457	1.897	ug/l	99
11) Allyl Chloride	2.922	41	51219	1.900	ug/l	98
12) Acrylonitrile	3.321	53	19044	3.662	ug/l	98
13) Acetone	2.639	43	35976	9.607	ug/l	92
14) Carbon Disulfide	2.793	76	118750	1.886	ug/l	99
15) Methylene Chloride	3.044	84	50589	2.048	ug/l	96
16) trans-1,2-Dichloroethene	3.350	96	37915	1.871	ug/l	98
17) 1,1-Dichloroethane	3.867	63	68186	1.871	ug/l	96
18) 2-Butanone	4.723	43	44128	9.711	ug/l	96
19) Cyclohexane	5.385	56	41688m	1.846	ug/l	
20) Methylcyclohexane	6.758	83	38663	1.917	ug/l	92
21) 2,2-Dichloropropane	4.661	77	47892	1.882	ug/l	99
22) cis-1,2-Dichloroethene	4.665	96	36482	1.903	ug/l	96
23) Diethyl Ether	2.379	59	28914	1.874	ug/l	98
24) tert-Butyl Alcohol	3.224	59	27202	16.808	ug/l	# 81
25) Methyl tert-Butyl Ether	3.366	73	85714	1.865	ug/l	96
26) Bromochloromethane	4.973	128	17517	1.874	ug/l	100
27) Chloroform	5.089	83	68700	1.862	ug/l	99
28) 1,1,1-Trichloroethane	5.314	97	56896	1.932	ug/l	97
29) 1,1-Dichloropropene	5.523	75	41107	1.822	ug/l	98
30) Carbon Tetrachloride	5.520	117	46963	1.890	ug/l	93
31) Isopropyl Ether	3.999	45	78183	1.814	ug/l	96
32) Ethyl-t-butyl ether	4.507	59	68718	1.746	ug/l	98
33) Tert-Amyl methyl ether	5.944	73	58170	1.682	ug/l	98
34) Propionitrile	4.800	54	15411	10.088	ug/l	# 64
35) Benzene	5.771	78	140249	1.853	ug/l	100
36) 1,2-Dichloroethane	5.793	62	43699	1.871	ug/l	99
37) Trichloroethene	6.542	130	33364	1.878	ug/l	100
38) 1,2-Dichloropropane	6.790	63	37459	1.804	ug/l	99
39) Methacrylonitrile	4.983	41	8984	1.721	ug/l	# 90
40) Methyl acrylate	4.858	55	16468m	1.978	ug/l	
41) Tetrahydrofuran	5.070	42	9612	3.506	ug/l	94
42) 1-Chlorobutane	5.459	56	56090	1.822	ug/l	98
43) Dibromomethane	6.919	93	20791	1.929	ug/l	97
44) Bromodichloromethane	7.105	83	48477	1.859	ug/l	95

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45) 4-Methyl-2-Pentanone	7.796	43	86152	8.397	ug/l	95
46) t-1,4-Dichloro-2-butene	10.828	75	20576m	3.593	ug/l	
47) Methyl methacrylate	6.964	69	27671	3.592	ug/l	99
48) Ethyl methacrylate	8.337	69	22968	1.816	ug/l	99
49) Toluene	7.967	92	70551	1.699	ug/l	97
50) t-1,3-Dichloropropene	8.211	75	37376	1.782	ug/l	100
51) cis-1,3-Dichloropropene	7.607	75	43490	1.759	ug/l	98
52) 1,1,2-Trichloroethane	8.401	97	28978	1.883	ug/l	97
53) 1,3-Dichloropropane	8.574	76	46429	1.872	ug/l	97
54) 2-Hexanone	8.687	43	61749	9.241	ug/l	93
55) Dibromochloromethane	8.809	129	30749	1.837	ug/l	98
56) 1,2-Dibromoethane	8.925	107	25043	1.851	ug/l	95
58) Tetrachloroethene	8.552	164	29463	1.903	ug/l	96
59) Chlorobenzene	9.446	112	80788	1.773	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.533	131	32096	1.838	ug/l	99
61) Pentachloroethane	11.426	117	28546	1.834	ug/l	96
62) Hexachloroethane	12.475	117	27029	1.829	ug/l	95
63) Ethyl Benzene	9.568	91	112403	1.811	ug/l	98
64) m/p-Xylenes	9.693	106	89310	3.478	ug/l	98
65) o-Xylene	10.099	106	45069	1.797	ug/l	97
66) Styrene	10.115	104	69737	1.713	ug/l	98
67) Bromoform	10.288	173	16449	1.751	ug/l	96
69) Isopropylbenzene	10.481	105	110989	1.830	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.780	83	37038	1.780	ug/l	97
71) 1,2,3-Trichloropropane	10.825	75	30139m	1.949	ug/l	
72) Bromobenzene	10.780	156	32407	1.788	ug/l	97
73) n-propylbenzene	10.906	120	30327	1.780	ug/l	95
74) 2-Chlorotoluene	10.986	126	30490	1.728	ug/l	98
75) 1,3,5-Trimethylbenzene	11.086	105	98286	1.749	ug/l	97
76) 4-Chlorotoluene	11.098	126	31668	1.795	ug/l	92
77) tert-Butylbenzene	11.420	119	101221	1.733	ug/l	98
78) 1,2,4-Trimethylbenzene	11.468	105	102365	1.761	ug/l	99
79) sec-Butylbenzene	11.642	105	133847	1.830	ug/l	99
80) Nitrobenzene	13.211	77	7826	7.594	ug/l #	98
81) p-Isopropyltoluene	11.793	119	101708	1.779	ug/l	97
82) 1,3-Dichlorobenzene	11.745	146	73237	1.881	ug/l	98
83) 1,4-Dichlorobenzene	11.835	146	72025	1.890	ug/l	99
84) n-Butylbenzene	12.208	91	98905	1.797	ug/l	99
85) 1,2-Dichlorobenzene	12.211	146	70074	1.827	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.995	75	5742	1.764	ug/l	96
87) 1,2,4-Trichlorobenzene	13.841	180	33419	1.608	ug/l	98
88) Hexachlorobutadiene	14.018	225	25195	1.860	ug/l	99
89) Naphthalene	14.085	128	55474	1.276	ug/l	100
90) 1,2,3-Trichlorobenzene	14.330	180	32865	1.446	ug/l	98

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

