

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101822\
 Data File : VU051439.D
 Acq On : 18 Oct 2022 13:50
 Operator : JC/MD
 Sample : VU1018WBS01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1018WBS01

Manual Integrations
 APPROVED

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

Quant Time: Oct 19 02:48:11 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	55976	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	17628	0.898	ug/l	0.00
Spiked Amount 1.000			Recovery	=	90.000%	
68) 1,2-Dichlorobenzene-d4	12.192	152	20338	0.928	ug/l	0.00
Spiked Amount 1.000			Recovery	=	93.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	34377m	1.759	ug/l	
3) Chloromethane	1.536	50	52244	1.696	ug/l	95
4) Vinyl Chloride	1.604	62	46823	1.756	ug/l	100
5) Bromomethane	1.855	94	29080	1.956	ug/l	99
6) Chloroethane	1.932	64	25769	1.695	ug/l	99
7) Trichlorofluoromethane	2.138	101	53137	1.784	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	29477	1.793	ug/l	97
9) 1,1-Dichloroethene	2.578	96	31066	1.808	ug/l	95
10) Iodomethane	2.720	142	40354	1.813	ug/l	95
11) Allyl Chloride	2.922	41	45407	1.733	ug/l	97
12) Acrylonitrile	3.321	53	19355	3.829	ug/l	94
13) Acetone	2.636	43	29313	8.053	ug/l	93
14) Carbon Disulfide	2.790	76	109387	1.787	ug/l	99
15) Methylene Chloride	3.044	84	48411	2.010	ug/l	95
16) trans-1,2-Dichloroethene	3.347	96	35302	1.792	ug/l	95
17) 1,1-Dichloroethane	3.867	63	62790	1.773	ug/l	99
18) 2-Butanone	4.723	43	36843	8.341	ug/l	96
19) Cyclohexane	5.385	56	34796m	1.585	ug/l	
20) Methylcyclohexane	6.761	83	34090	1.797	ug/l	97
21) 2,2-Dichloropropane	4.662	77	44854	1.814	ug/l	99
22) cis-1,2-Dichloroethene	4.665	96	33369	1.790	ug/l	99
23) Diethyl Ether	2.379	59	26410	1.761	ug/l	98
24) tert-Butyl Alcohol	3.215	59	25872	16.447	ug/l	99
25) Methyl tert-Butyl Ether	3.369	73	81251	1.818	ug/l	98
26) Bromochloromethane	4.977	128	16869	1.857	ug/l	97
27) Chloroform	5.089	83	65741	1.833	ug/l	100
28) 1,1,1-Trichloroethane	5.314	97	50958	1.780	ug/l	99
29) 1,1-Dichloropropene	5.523	75	37996	1.733	ug/l	98
30) Carbon Tetrachloride	5.520	117	43032	1.781	ug/l	97
31) Isopropyl Ether	3.999	45	72607	1.733	ug/l	92
32) Ethyl-t-butyl ether	4.507	59	65590	1.715	ug/l	96
33) Tert-Amyl methyl ether	5.945	73	57486	1.710	ug/l	99
34) Propionitrile	4.790	54	14104	9.498	ug/l	# 99
35) Benzene	5.771	78	130440	1.773	ug/l	97
36) 1,2-Dichloroethane	5.797	62	41804	1.841	ug/l	99
37) Trichloroethene	6.543	130	31018	1.796	ug/l	93
38) 1,2-Dichloropropane	6.790	63	36135	1.790	ug/l	98
39) Methacrylonitrile	4.983	41	8754	1.725	ug/l	98
40) Methyl acrylate	4.855	55	14808m	1.830	ug/l	
41) Tetrahydrofuran	5.070	42	9115	3.420	ug/l	96
42) 1-Chlorobutane	5.456	56	49757	1.663	ug/l	96
43) Dibromomethane	6.919	93	19185	1.831	ug/l	98
44) Bromodichloromethane	7.105	83	45159	1.781	ug/l	99

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45) 4-Methyl-2-Pentanone	7.793	43	80377	8.060	ug/l	94
46) t-1,4-Dichloro-2-butene	10.825	75	22067m	3.965	ug/l	
47) Methyl methacrylate	6.964	69	25077	3.417	ug/l	98
48) Ethyl methacrylate	8.337	69	21187	1.753	ug/l	96
49) Toluene	7.970	92	67141	1.664	ug/l	98
50) t-1,3-Dichloropropene	8.211	75	36120	1.771	ug/l	99
51) cis-1,3-Dichloropropene	7.607	75	41184	1.713	ug/l	98
52) 1,1,2-Trichloroethane	8.398	97	26384	1.764	ug/l	96
53) 1,3-Dichloropropane	8.575	76	43047	1.786	ug/l	100
54) 2-Hexanone	8.687	43	53131	8.476	ug/l	94
55) Dibromochloromethane	8.809	129	29284	1.800	ug/l	99
56) 1,2-Dibromoethane	8.925	107	23775	1.808	ug/l	94
58) Tetrachloroethene	8.552	164	25761	1.712	ug/l	96
59) Chlorobenzene	9.446	112	76072	1.717	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.536	131	30657	1.806	ug/l	98
61) Pentachloroethane	11.427	117	28204	1.865	ug/l	96
62) Hexachloroethane	12.475	117	25620	1.784	ug/l	96
63) Ethyl Benzene	9.568	91	104874	1.762	ug/l	98
64) m/p-Xylenes	9.694	106	81872	3.339	ug/l	99
65) o-Xylene	10.099	106	41912	1.740	ug/l	99
66) Styrene	10.115	104	66369	1.689	ug/l	99
67) Bromoform	10.292	173	15893	1.741	ug/l	97
69) Isopropylbenzene	10.485	105	101800	1.758	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.780	83	35841	1.772	ug/l	96
71) 1,2,3-Trichloropropane	10.825	75	27753m	1.846	ug/l	
72) Bromobenzene	10.780	156	30597	1.737	ug/l	99
73) n-propylbenzene	10.906	120	26736	1.668	ug/l	94
74) 2-Chlorotoluene	10.986	126	28792	1.679	ug/l	98
75) 1,3,5-Trimethylbenzene	11.089	105	88646	1.662	ug/l	100
76) 4-Chlorotoluene	11.095	126	30217	1.769	ug/l	88
77) tert-Butylbenzene	11.420	119	90664	1.597	ug/l	97
78) 1,2,4-Trimethylbenzene	11.465	105	92225	1.673	ug/l	99
79) sec-Butylbenzene	11.642	105	118142	1.708	ug/l	99
80) Nitrobenzene	13.208	77	7590m	7.577	ug/l	
81) p-Isopropyltoluene	11.793	119	92610	1.703	ug/l	98
82) 1,3-Dichlorobenzene	11.745	146	63235	1.671	ug/l	97
83) 1,4-Dichlorobenzene	11.835	146	63606	1.717	ug/l	99
84) n-Butylbenzene	12.208	91	85340	1.661	ug/l	98
85) 1,2-Dichlorobenzene	12.211	146	62584	1.678	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.999	75	5271	1.666	ug/l	96
87) 1,2,4-Trichlorobenzene	13.841	180	29039	1.438	ug/l	100
88) Hexachlorobutadiene	14.021	225	22138	1.681	ug/l	96
89) Naphthalene	14.089	128	49817	1.179	ug/l	99
90) 1,2,3-Trichlorobenzene	14.330	180	30056	1.360	ug/l	99

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

