

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU081922\
 Data File : VU050371.D
 Acq On : 19 Aug 2022 12:18
 Operator : SY/MD
 Sample : VSTDIC001
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 08/30/2022
 Supervised By :Mahesh Dadoda 09/09/2022

Quant Time: Aug 19 14:09:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U081922DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Aug 19 14:03:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.099	96	35122	1.000	ug/l	#-0.01
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.639	95	10377	0.852	ug/l	0.00
Spiked Amount 1.000			Recovery	=	85.000%	
68) 1,2-Dichlorobenzene-d4	12.198	152	13458	0.984	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	13811	1.025	ug/l	100
3) Chloromethane	1.520	50	17744	1.076	ug/l	92
4) Vinyl Chloride	1.604	62	14926	1.031	ug/l	94
5) Bromomethane	1.858	94	6006	0.976	ug/l	93
6) Chloroethane	1.932	64	9049	1.005	ug/l	92
7) Trichlorofluoromethane	2.141	101	18677	1.100	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.584	101	10237	1.114	ug/l	95
9) 1,1-Dichloroethene	2.584	96	10354	1.073	ug/l	97
10) Iodomethane	2.723	142	7111	0.764	ug/l	96
11) Allyl Chloride	2.928	41	16200	1.026	ug/l	93
12) Acrylonitrile	3.330	53	6655m	2.104	ug/l	
13) Acetone	2.636	43	10753m	4.775	ug/l	
14) Carbon Disulfide	2.797	76	31909	0.977	ug/l	100
15) Methylene Chloride	3.047	84	14811	1.117	ug/l	93
16) trans-1,2-Dichloroethene	3.356	96	10779	1.026	ug/l	97
17) 1,1-Dichloroethane	3.874	63	22173	1.044	ug/l	97
18) 2-Butanone	4.742	43	15968	4.546	ug/l	99
19) Cyclohexane	5.356	56	17195m	1.363	ug/l	
20) Methylcyclohexane	6.771	83	10953	0.907	ug/l	93
21) 2,2-Dichloropropane	4.665	77	17634	1.119	ug/l	96
22) cis-1,2-Dichloroethene	4.671	96	12475	1.084	ug/l	95
23) Diethyl Ether	2.382	59	9107	1.049	ug/l	98
24) tert-Butyl Alcohol	3.215	59	11535m	9.380	ug/l	
25) Methyl tert-Butyl Ether	3.379	73	26918	0.988	ug/l	95
26) Bromochloromethane	4.973	128	5253	1.021	ug/l	96
27) Chloroform	5.083	83	22373	1.112	ug/l	93
28) 1,1,1-Trichloroethane	5.298	97	18276	1.137	ug/l	97
29) 1,1-Dichloropropene	5.501	75	14961	1.204	ug/l	95
30) Carbon Tetrachloride	5.494	117	14747	1.130	ug/l	95
31) Isopropyl Ether	4.018	45	33821	1.037	ug/l	95
32) Ethyl-t-butyl ether	4.530	59	26582	1.016	ug/l	98
33) Tert-Amyl methyl ether	5.951	73	16751	0.964	ug/l	94
34) Propionitrile	4.806	54	5334m	4.497	ug/l	
35) Benzene	5.745	78	44642	1.084	ug/l	96
36) 1,2-Dichloroethane	5.777	62	13365	1.037	ug/l	97
37) Trichloroethene	6.542	130	10197	1.020	ug/l	97
38) 1,2-Dichloropropane	6.816	63	10663	0.947	ug/l	# 87
39) Methacrylonitrile	4.986	41	4619	1.203	ug/l	91
40) Methyl acrylate	4.867	55	6182	0.920	ug/l	97
41) Tetrahydrofuran	5.086	42	3784	1.814	ug/l	92
42) 1-Chlorobutane	5.433	56	22098	1.247	ug/l	92
43) Dibromomethane	6.948	93	6032	0.971	ug/l	98
44) Bromodichloromethane	7.137	83	14478	1.000	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.829	43	26609	4.009	ug/l	93
46) t-1,4-Dichloro-2-butene	10.832	75	5684m	2.452	ug/l	
47) Methyl methacrylate	7.005	69	6901	1.381	ug/l	94
48) Ethyl methacrylate	8.359	69	7087	0.806	ug/l	95
49) Toluene	7.986	92	19179	0.840	ug/l	95
50) t-1,3-Dichloropropene	8.230	75	9703	0.817	ug/l	92
51) cis-1,3-Dichloropropene	7.632	75	11956	0.880	ug/l	99
52) 1,1,2-Trichloroethane	8.420	97	8998	0.972	ug/l	91
53) 1,3-Dichloropropane	8.594	76	13266	0.919	ug/l	99
54) 2-Hexanone	8.713	43	18303	3.980	ug/l	90
55) Dibromochloromethane	8.825	129	9699	0.978	ug/l	98
56) 1,2-Dibromoethane	8.938	107	7896	0.973	ug/l	99
58) Tetrachloroethene	8.568	164	9636	1.030	ug/l	94
59) Chlorobenzene	9.459	112	22132	0.896	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.542	131	10339	1.011	ug/l	98
61) Pentachloroethane	11.430	117	8502	1.006	ug/l	88
62) Hexachloroethane	12.475	117	6887	1.035	ug/l	95
63) Ethyl Benzene	9.581	91	31025	0.796	ug/l	98
64) m/p-Xylenes	9.703	106	22741	1.501	ug/l	93
65) o-Xylene	10.108	106	11517	0.786	ug/l	97
66) Styrene	10.124	104	17764	0.735	ug/l	97
67) Bromoform	10.301	173	5213	0.905	ug/l	95
69) Isopropylbenzene	10.491	105	28819	0.768	ug/l	96
70) 1,1,2,2-Tetrachloroethane	10.787	83	12443	0.986	ug/l	99
71) 1,2,3-Trichloropropane	10.832	75	8547m	0.944	ug/l	
72) Bromobenzene	10.790	156	9763	0.933	ug/l	91
73) n-propylbenzene	10.912	120	7838	0.794	ug/l	88
74) 2-Chlorotoluene	10.989	126	7791	0.806	ug/l	90
75) 1,3,5-Trimethylbenzene	11.092	105	24244	0.740	ug/l	99
76) 4-Chlorotoluene	11.102	126	7733	0.798	ug/l	82
77) tert-Butylbenzene	11.423	119	27000	0.840	ug/l	95
78) 1,2,4-Trimethylbenzene	11.472	105	24828	0.735	ug/l	98
79) sec-Butylbenzene	11.645	105	32537	0.767	ug/l	98
80) Nitrobenzene	13.217	77	3860	5.061	ug/l #	89
81) p-Isopropyltoluene	11.796	119	25750	0.758	ug/l	99
82) 1,3-Dichlorobenzene	11.751	146	19504	0.916	ug/l	98
83) 1,4-Dichlorobenzene	11.841	146	19464	0.908	ug/l	97
84) n-Butylbenzene	12.211	91	25746	0.799	ug/l	95
85) 1,2-Dichlorobenzene	12.214	146	19595	0.921	ug/l	96
86) 1,2-Dibromo-3-Chloropr...	13.002	75	2047	1.013	ug/l	92
87) 1,2,4-Trichlorobenzene	13.844	180	10867	0.876	ug/l	99
88) Hexachlorobutadiene	14.021	225	7695	1.049	ug/l	94
89) Naphthalene	14.092	128	22001	0.784	ug/l	99
90) 1,2,3-Trichlorobenzene	14.333	180	10918	0.855	ug/l	97

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

