

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU081022\
 Data File : VU050209.D
 Acq On : 10 Aug 2022 09:48
 Operator : SY/MD
 Sample : VSTDIC001
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/11/2022
 Supervised By : Mahesh Dadoda 08/11/2022

Quant Time: Aug 10 10:46:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U081022DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Aug 10 09:58:18 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.115	96	28864	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	8975	0.849	ug/l	0.00
Spiked Amount 1.000			Recovery	=	85.000%	
68) 1,2-Dichlorobenzene-d4	12.192	152	9553	0.981	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.382	85	10643	0.963	ug/l	100
3) Chloromethane	1.517	50	14233	1.259	ug/l	98
4) Vinyl Chloride	1.601	62	11886	1.153	ug/l	99
5) Bromomethane	1.855	94	3484	0.648	ug/l	94
6) Chloroethane	1.932	64	7661	1.327	ug/l	93
7) Trichlorofluoromethane	2.134	101	13089	1.059	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.578	101	7124	1.097	ug/l	97
9) 1,1-Dichloroethene	2.575	96	7924	1.211	ug/l	94
10) Iodomethane	2.720	142	5934	0.715	ug/l	89
11) Allyl Chloride	2.922	41	10134	0.908	ug/l	99
12) Acrylonitrile	3.330	53	3549	2.028	ug/l	# 85
13) Acetone	2.665	43	7708	5.583	ug/l	91
14) Carbon Disulfide	2.790	76	31653	1.469	ug/l	98
15) Methylene Chloride	3.044	84	13143	1.604	ug/l	89
16) trans-1,2-Dichloroethene	3.353	96	8379	1.219	ug/l	93
17) 1,1-Dichloroethane	3.871	63	16075	1.131	ug/l	97
18) 2-Butanone	4.729	43	10727	4.558	ug/l	99
19) Cyclohexane	5.391	56	9549m	0.703	ug/l	
20) Methylcyclohexane	6.761	83	9363	0.699	ug/l	93
21) 2,2-Dichloropropane	4.668	77	13007	1.118	ug/l	96
22) cis-1,2-Dichloroethene	4.668	96	9212	1.087	ug/l	97
23) Diethyl Ether	2.376	59	6738	1.209	ug/l	94
24) tert-Butyl Alcohol	3.183	59	6279	9.871	ug/l	# 1
25) Methyl tert-Butyl Ether	3.366	73	18870	1.031	ug/l	97
26) Bromochloromethane	4.973	128	4341	1.217	ug/l	96
27) Chloroform	5.089	83	16420	1.174	ug/l	98
28) 1,1,1-Trichloroethane	5.314	97	13092	1.061	ug/l	99
29) 1,1-Dichloropropene	5.527	75	10277	0.933	ug/l	98
30) Carbon Tetrachloride	5.523	117	10852	1.045	ug/l	97
31) Isopropyl Ether	3.996	45	19525	0.801	ug/l	83
32) Ethyl-t-butyl ether	4.504	59	19256	0.835	ug/l	98
33) Tert-Amyl methyl ether	5.941	73	16851	0.840	ug/l	96
34) Propionitrile	4.809	54	4247m	6.294	ug/l	
35) Benzene	5.774	78	34700	1.106	ug/l	98
36) 1,2-Dichloroethane	5.797	62	10268	1.151	ug/l	97
37) Trichloroethene	6.543	130	8340	1.051	ug/l	97
38) 1,2-Dichloropropane	6.793	63	9644	1.161	ug/l	95
39) Methacrylonitrile	4.983	41	2449	0.847	ug/l	91
40) Methyl acrylate	4.861	55	5533	1.222	ug/l	# 84
41) Tetrahydrofuran	5.076	42	3225m	1.887	ug/l	
42) 1-Chlorobutane	5.456	56	14693	0.951	ug/l	97
43) Dibromomethane	6.922	93	4976	1.202	ug/l	96
44) Bromodichloromethane	7.105	83	11643	1.173	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.797	43	25638	4.563	ug/l	99
46) t-1,4-Dichloro-2-butene	10.829	75	4794m	2.622	ug/l	
47) Methyl methacrylate	6.964	69	7676	1.839	ug/l	94
48) Ethyl methacrylate	8.333	69	6603	0.788	ug/l	96
49) Toluene	7.970	92	18861	0.984	ug/l	97
50) t-1,3-Dichloropropene	8.211	75	9577	0.999	ug/l	98
51) cis-1,3-Dichloropropene	7.607	75	11610	1.022	ug/l	98
52) 1,1,2-Trichloroethane	8.401	97	7167	1.254	ug/l	96
53) 1,3-Dichloropropane	8.575	76	12058	1.176	ug/l	99
54) 2-Hexanone	8.690	43	18234	4.672	ug/l	95
55) Dibromochloromethane	8.809	129	7560	1.158	ug/l	97
56) 1,2-Dibromoethane	8.925	107	6437	1.163	ug/l	96
58) Tetrachloroethene	8.552	164	7418	1.125	ug/l	97
59) Chlorobenzene	9.446	112	19760	0.985	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.536	131	8424	1.181	ug/l	99
61) Pentachloroethane	11.427	117	6598	1.205	ug/l	92
62) Hexachloroethane	12.475	117	5046	0.920	ug/l	96
63) Ethyl Benzene	9.571	91	30413	0.843	ug/l	99
64) m/p-Xylenes	9.694	106	22057	1.652	ug/l	98
65) o-Xylene	10.099	106	10827	0.825	ug/l	95
66) Styrene	10.115	104	16287	0.773	ug/l	98
67) Bromoform	10.292	173	4519	1.213	ug/l	98
69) Isopropylbenzene	10.485	105	26964	0.769	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.784	83	9978	1.344	ug/l #	99
71) 1,2,3-Trichloropropane	10.822	75	7701m	1.253	ug/l	
72) Bromobenzene	10.784	156	8418	1.066	ug/l	95
73) n-propylbenzene	10.906	120	6499	0.735	ug/l	95
74) 2-Chlorotoluene	10.986	126	7275	0.923	ug/l	98
75) 1,3,5-Trimethylbenzene	11.089	105	22366	0.763	ug/l	98
76) 4-Chlorotoluene	11.099	126	6793	0.859	ug/l	100
77) tert-Butylbenzene	11.420	119	23986	0.832	ug/l	95
78) 1,2,4-Trimethylbenzene	11.468	105	23218	0.789	ug/l	100
79) sec-Butylbenzene	11.642	105	27896	0.737	ug/l	100
80) Nitrobenzene	13.218	77	1779	5.858	ug/l #	88
81) p-Isopropyltoluene	11.793	119	21911	0.714	ug/l	98
82) 1,3-Dichlorobenzene	11.745	146	15749	1.031	ug/l	99
83) 1,4-Dichlorobenzene	11.838	146	15073	0.978	ug/l	95
84) n-Butylbenzene	12.211	91	19335	0.676	ug/l	96
85) 1,2-Dichlorobenzene	12.214	146	15571	1.052	ug/l	96
86) 1,2-Dibromo-3-Chloropr...	12.999	75	1442	1.114	ug/l	87
87) 1,2,4-Trichlorobenzene	13.841	180	8065	0.808	ug/l	97
88) Hexachlorobutadiene	14.021	225	5093	1.001	ug/l	96
89) Naphthalene	14.086	128	14876	0.711	ug/l	99
90) 1,2,3-Trichlorobenzene	14.330	180	7974	0.836	ug/l	97

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

