

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU081022\
 Data File : VU050212.D
 Acq On : 10 Aug 2022 11:02
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

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

Quant Time: Aug 10 11:42:14 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	32592	1.000 ug/l	#	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	11418	0.956 ug/l		0.00
Spiked Amount 1.000			Recovery	=	96.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	11308	1.029 ug/l		0.00
Spiked Amount 1.000			Recovery	=	103.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	113738	9.112 ug/l		97
3) Chloromethane	1.517	50	129589	10.151 ug/l		99
4) Vinyl Chloride	1.601	62	124301	10.679 ug/l		99
5) Bromomethane	1.855	94	36385	5.994 ug/l		98
6) Chloroethane	1.932	64	72447	11.114 ug/l		100
7) Trichlorofluoromethane	2.134	101	135592	9.720 ug/l		100
8) 1,1,2-Trichloro-1,2,2-...	2.575	101	73538	10.032 ug/l		97
9) 1,1-Dichloroethene	2.575	96	81822	11.072 ug/l		92
10) Iodomethane	2.716	142	73177	7.807 ug/l		94
11) Allyl Chloride	2.919	41	116791	9.268 ug/l		97
12) Acrylonitrile	3.330	53	44902	22.727 ug/l		97
13) Acetone	2.658	43	79217	50.814 ug/l		90
14) Carbon Disulfide	2.787	76	290796	11.952 ug/l		100
15) Methylene Chloride	3.041	84	103270	11.159 ug/l		89
16) trans-1,2-Dichloroethene	3.350	96	92464	11.915 ug/l		92
17) 1,1-Dichloroethane	3.867	63	171304	10.675 ug/l		100
18) 2-Butanone	4.726	43	136284	51.287 ug/l		98
19) Cyclohexane	5.385	56	132234m	8.622 ug/l		
20) Methylcyclohexane	6.764	83	130565	8.636 ug/l		99
21) 2,2-Dichloropropane	4.665	77	120657	9.188 ug/l		99
22) cis-1,2-Dichloroethene	4.665	96	103611	10.826 ug/l		96
23) Diethyl Ether	2.375	59	69493	11.039 ug/l		99
24) tert-Butyl Alcohol	3.253	59	56095m	78.101 ug/l		
25) Methyl tert-Butyl Ether	3.366	73	217692	10.535 ug/l		95
26) Bromochloromethane	4.973	128	47051	11.677 ug/l		95
27) Chloroform	5.089	83	173594	10.993 ug/l		97
28) 1,1,1-Trichloroethane	5.314	97	140308	10.075 ug/l		100
29) 1,1-Dichloropropene	5.526	75	123344	9.917 ug/l		99
30) Carbon Tetrachloride	5.523	117	115076	9.813 ug/l		97
31) Isopropyl Ether	3.996	45	251708	9.146 ug/l		96
32) Ethyl-t-butyl ether	4.504	59	234762	9.012 ug/l		98
33) Tert-Amyl methyl ether	5.941	73	209911	9.268 ug/l		98
34) Propionitrile	4.803	54	48550	63.718 ug/l	#	1
35) Benzene	5.774	78	393139	11.094 ug/l		99
36) 1,2-Dichloroethane	5.793	62	108827	10.800 ug/l		100
37) Trichloroethene	6.542	130	91986	10.270 ug/l		100
38) 1,2-Dichloropropane	6.790	63	104357	11.123 ug/l		100
39) Methacrylonitrile	4.980	41	32116	9.838 ug/l		92
40) Methyl acrylate	4.851	55	63954	12.509 ug/l	#	96
41) Tetrahydrofuran	5.070	42	34806	18.036 ug/l		94
42) 1-Chlorobutane	5.459	56	173109	9.926 ug/l		94
43) Dibromomethane	6.919	93	53988	11.548 ug/l		97
44) Bromodichloromethane	7.108	83	127756	11.402 ug/l		98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.793	43	319732	50.393	ug/l	96
46) t-1,4-Dichloro-2-butene	10.835	75	44064m	21.341	ug/l	
47) Methyl methacrylate	6.964	69	104280	22.122	ug/l	91
48) Ethyl methacrylate	8.333	69	96540	10.208	ug/l	91
49) Toluene	7.970	92	233842	10.805	ug/l	97
50) t-1,3-Dichloropropene	8.211	75	117099	10.820	ug/l	100
51) cis-1,3-Dichloropropene	7.610	75	135433	10.559	ug/l	93
52) 1,1,2-Trichloroethane	8.401	97	76026	11.784	ug/l	98
53) 1,3-Dichloropropane	8.575	76	130267	11.249	ug/l	100
54) 2-Hexanone	8.687	43	226626	51.430	ug/l	97
55) Dibromochloromethane	8.809	129	85149	11.554	ug/l	99
56) 1,2-Dibromoethane	8.925	107	72269	11.567	ug/l	99
58) Tetrachloroethene	8.552	164	77485	10.404	ug/l	98
59) Chlorobenzene	9.446	112	242977	10.732	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.533	131	89921	11.166	ug/l	98
61) Pentachloroethane	11.426	117	72780	11.771	ug/l	96
62) Hexachloroethane	12.475	117	62678	10.121	ug/l	98
63) Ethyl Benzene	9.571	91	429616	10.543	ug/l	99
64) m/p-Xylenes	9.693	106	335630	22.265	ug/l	98
65) o-Xylene	10.102	106	158352	10.688	ug/l	99
66) Styrene	10.115	104	266485	11.196	ug/l	98
67) Bromoform	10.291	173	49650	11.806	ug/l	98
69) Isopropylbenzene	10.484	105	402572	10.174	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.783	83	102609	12.242	ug/l	99
71) 1,2,3-Trichloropropane	10.825	75	72691m	10.475	ug/l	
72) Bromobenzene	10.783	156	99441	11.152	ug/l	99
73) n-propylbenzene	10.906	120	105661	10.581	ug/l	100
74) 2-Chlorotoluene	10.986	126	99229	11.145	ug/l	98
75) 1,3,5-Trimethylbenzene	11.089	105	354206	10.708	ug/l	99
76) 4-Chlorotoluene	11.099	126	102175	11.442	ug/l	89
77) tert-Butylbenzene	11.420	119	333744	10.246	ug/l	97
78) 1,2,4-Trimethylbenzene	11.468	105	358434	10.793	ug/l	99
79) sec-Butylbenzene	11.645	105	425004	9.948	ug/l	99
80) Nitrobenzene	13.208	77	22117	64.502	ug/l	100
81) p-Isopropyltoluene	11.793	119	342187	9.874	ug/l	99
82) 1,3-Dichlorobenzene	11.745	146	188651	10.937	ug/l	99
83) 1,4-Dichlorobenzene	11.835	146	184486	10.599	ug/l	99
84) n-Butylbenzene	12.208	91	285987	8.861	ug/l	99
85) 1,2-Dichlorobenzene	12.211	146	182655	10.930	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.996	75	16363	11.194	ug/l	96
87) 1,2,4-Trichlorobenzene	13.841	180	106789	9.473	ug/l	99
88) Hexachlorobutadiene	14.021	225	60499	10.530	ug/l	100
89) Naphthalene	14.086	128	230091	9.734	ug/l	99
90) 1,2,3-Trichlorobenzene	14.330	180	110788	10.292	ug/l	99

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

