

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041923\
 Data File : VU053778.D
 Acq On : 19 Apr 2023 12:24
 Operator : JC/MD
 Sample : VSTDICCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 06/08/2023
 Supervised By :Mahesh Dadoda 06/08/2023

Quant Time: Apr 20 08:43:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U041923DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Apr 20 08:39:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.108	96	31127	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	12583	1.031	ug/l	0.00
Spiked Amount 1.000			Recovery	=	103.000%	
68) 1,2-Dichlorobenzene-d4	12.189	152	15317	1.056	ug/l	0.00
Spiked Amount 1.000			Recovery	=	106.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	97186	10.298	ug/l	100
3) Chloromethane	1.520	50	81655	9.609	ug/l	99
4) Vinyl Chloride	1.604	62	100740	10.254	ug/l	98
5) Bromomethane	1.845	94	65710	8.889	ug/l	97
6) Chloroethane	1.929	64	63313	10.065	ug/l	99
7) Trichlorofluoromethane	2.134	101	167540	10.152	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.578	101	111874	10.413	ug/l	95
9) 1,1-Dichloroethene	2.578	96	88647	10.079	ug/l	84
10) Iodomethane	2.720	142	108928	11.602	ug/l	97
11) Allyl Chloride	2.919	41	103625	9.921	ug/l	99
12) Acrylonitrile	3.308	53	44148	20.090	ug/l	97
13) Acetone	2.620	43	179853	58.547	ug/l	96
14) Carbon Disulfide	2.787	76	145604	10.081	ug/l	100
15) Methylene Chloride	3.041	84	120565	9.356	ug/l	88
16) trans-1,2-Dichloroethene	3.346	96	96469	10.143	ug/l	89
17) 1,1-Dichloroethane	3.864	63	197266	10.058	ug/l	99
18) 2-Butanone	4.713	43	220957	55.487	ug/l	99
19) Cyclohexane	5.375	56	134917m	9.932	ug/l	
20) Methylcyclohexane	6.755	83	130414	10.711	ug/l	90
21) 2,2-Dichloropropane	4.658	77	181371	10.173	ug/l	100
22) cis-1,2-Dichloroethene	4.658	96	117568	9.882	ug/l	96
23) Diethyl Ether	2.375	59	67481	10.406	ug/l	90
24) tert-Butyl Alcohol	3.189	59	93333	110.818	ug/l #	1
25) Methyl tert-Butyl Ether	3.363	73	249746	10.178	ug/l	95
26) Bromochloromethane	4.967	128	52814	10.035	ug/l	89
27) Chloroform	5.083	83	213217	10.066	ug/l	96
28) 1,1,1-Trichloroethane	5.308	97	181522	10.340	ug/l	95
29) 1,1-Dichloropropene	5.517	75	113638	10.169	ug/l	98
30) Carbon Tetrachloride	5.514	117	129701	10.323	ug/l	98
31) Isopropyl Ether	3.996	45	284118	10.015	ug/l	91
32) Ethyl-t-butyl ether	4.507	59	292176	10.181	ug/l	95
33) Tert-Amyl methyl ether	5.944	73	219441	10.465	ug/l	98
34) Propionitrile	4.777	54	40649	45.653	ug/l #	17
35) Benzene	5.768	78	356230	10.351	ug/l	99
36) 1,2-Dichloroethane	5.790	62	109185	10.099	ug/l	100
37) Trichloroethene	6.536	130	102630	10.502	ug/l	90
38) 1,2-Dichloropropane	6.790	63	101692	10.380	ug/l	99
39) Methacrylonitrile	4.973	41	31669	8.913	ug/l	92
40) Methyl acrylate	4.845	55	55911	9.530	ug/l #	95
41) Tetrahydrofuran	5.063	42	31072	17.551	ug/l	91
42) 1-Chlorobutane	5.449	56	155143	10.172	ug/l	96
43) Dibromomethane	6.915	93	50742	10.212	ug/l	97
44) Bromodichloromethane	7.102	83	130824	10.445	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.796	43	273513	54.121	ug/l	95
46) t-1,4-Dichloro-2-butene	10.832	75	60073m	28.630	ug/l	
47) Methyl methacrylate	6.964	69	92598	21.218	ug/l	91
48) Ethyl methacrylate	8.333	69	92089	10.765	ug/l	87
49) Toluene	7.964	92	231630	10.681	ug/l	98
50) t-1,3-Dichloropropene	8.208	75	122682	10.902	ug/l	99
51) cis-1,3-Dichloropropene	7.604	75	143844	10.705	ug/l	94
52) 1,1,2-Trichloroethane	8.398	97	80329	10.189	ug/l	99
53) 1,3-Dichloropropane	8.571	76	127932	10.364	ug/l	98
54) 2-Hexanone	8.687	43	286627	60.478	ug/l	95
55) Dibromochloromethane	8.806	129	90361	10.898	ug/l	99
56) 1,2-Dibromoethane	8.922	107	73195	10.765	ug/l	99
58) Tetrachloroethene	8.549	164	99736	10.554	ug/l	97
59) Chlorobenzene	9.443	112	287867	10.668	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.530	131	104698	10.760	ug/l	98
61) Pentachloroethane	11.423	117	79049	10.535	ug/l	91
62) Hexachloroethane	12.472	117	82685	11.289	ug/l	98
63) Ethyl Benzene	9.565	91	476254	11.179	ug/l	99
64) m/p-Xylenes	9.690	106	380277	22.654	ug/l	95
65) o-Xylene	10.099	106	189882	11.219	ug/l	97
66) Styrene	10.111	104	313655	11.655	ug/l	99
67) Bromoform	10.288	173	47843	11.104	ug/l	99
69) Isopropylbenzene	10.481	105	500655	11.318	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.777	83	103943	10.239	ug/l	99
71) 1,2,3-Trichloropropane	10.822	75	69461m	9.481	ug/l	
72) Bromobenzene	10.780	156	122286	10.777	ug/l	91
73) n-propylbenzene	10.902	120	145639	11.868	ug/l	90
74) 2-Chlorotoluene	10.983	126	126396	10.896	ug/l	91
75) 1,3,5-Trimethylbenzene	11.086	105	445858	11.554	ug/l	97
76) 4-Chlorotoluene	11.092	126	136384	11.534	ug/l	90
77) tert-Butylbenzene	11.417	119	441671	11.375	ug/l	96
78) 1,2,4-Trimethylbenzene	11.465	105	470111	11.938	ug/l	98
79) sec-Butylbenzene	11.639	105	610854	11.704	ug/l	98
80) Nitrobenzene	13.201	77	17365	54.001	ug/l	98
81) p-Isopropyltoluene	11.790	119	511900	11.972	ug/l	98
82) 1,3-Dichlorobenzene	11.742	146	266576	10.989	ug/l	99
83) 1,4-Dichlorobenzene	11.832	146	271860	11.159	ug/l	99
84) n-Butylbenzene	12.205	91	482107	10.136	ug/l	97
85) 1,2-Dichlorobenzene	12.208	146	264814	11.163	ug/l	97
86) 1,2-Dibromo-3-Chloropr...	12.992	75	16480	11.530	ug/l	90
87) 1,2,4-Trichlorobenzene	13.835	180	174032	11.099	ug/l	99
88) Hexachlorobutadiene	14.018	225	94876	11.343	ug/l	99
89) Naphthalene	14.082	128	317766	11.165	ug/l	98
90) 1,2,3-Trichlorobenzene	14.324	180	169618	11.378	ug/l	99

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

