

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072423\
 Data File : VU054864.D
 Acq On : 24 Jul 2023 18:43
 Operator : MD/SY
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/25/2023
 Supervised By : Mahesh Dadoda 07/31/2023

Quant Time: Jul 25 02:15:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U072123DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Jul 24 09:59:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.113	96	27228	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	8060	0.980	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	9176	0.964	ug/l	0.00
Spiked Amount 1.000			Recovery	=	96.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	54081	9.982	ug/l	96
3) Chloromethane	1.518	50	59536	9.462	ug/l	100
4) Vinyl Chloride	1.602	62	81539	10.095	ug/l	100
5) Bromomethane	1.856	94	57284	9.993	ug/l	98
6) Chloroethane	1.930	64	78655	10.305	ug/l	99
7) Trichlorofluoromethane	2.133	101	214687	10.967	ug/l	95
8) 1,1,2-Trichloro-1,2,2-...	2.573	101	59367	10.585	ug/l	99
9) 1,1-Dichloroethene	2.573	96	49257	10.516	ug/l	97
10) Iodomethane	2.714	142	78852	10.451	ug/l	99
11) Allyl Chloride	2.917	41	55929	10.179	ug/l	100
12) Acrylonitrile	3.325	53	26728	23.454	ug/l	95
13) Acetone	2.650	43	47656	48.778	ug/l	92
14) Carbon Disulfide	2.788	76	80641	10.212	ug/l	98
15) Methylene Chloride	3.039	84	69868	10.273	ug/l	99
16) trans-1,2-Dichloroethene	3.348	96	54459	10.463	ug/l	97
17) 1,1-Dichloroethane	3.866	63	114569	10.402	ug/l	97
18) 2-Butanone	4.714	43	79724	55.782	ug/l	100
19) Cyclohexane	5.383	56	66028	10.354	ug/l	91
20) Methylcyclohexane	6.759	83	89575	10.576	ug/l	97
21) 2,2-Dichloropropane	4.660	77	95213	9.911	ug/l	98
22) cis-1,2-Dichloroethene	4.660	96	70725	10.731	ug/l	98
23) Diethyl Ether	2.374	59	75295	10.462	ug/l	99
24) tert-Butyl Alcohol	3.248	59	73275m	118.196	ug/l	
25) Methyl tert-Butyl Ether	3.361	73	158737	11.106	ug/l	96
26) Bromochloromethane	4.972	128	29890	11.899	ug/l	99
27) Chloroform	5.084	83	126836	10.479	ug/l	98
28) 1,1,1-Trichloroethane	5.309	97	108826	10.699	ug/l	100
29) 1,1-Dichloropropene	5.521	75	79877	11.041	ug/l	99
30) Carbon Tetrachloride	5.521	117	90643	10.722	ug/l	99
31) Isopropyl Ether	3.988	45	174069	10.679	ug/l	99
32) Ethyl-t-butyl ether	4.499	59	181958	10.863	ug/l	100
33) Tert-Amyl methyl ether	5.936	73	176200	11.178	ug/l	99
34) Propionitrile	4.798	54	27845	65.129	ug/l #	94
35) Benzene	5.769	78	251816	10.711	ug/l	99
36) 1,2-Dichloroethane	5.788	62	74606	11.046	ug/l	98
37) Trichloroethene	6.537	130	69142	10.882	ug/l	95
38) 1,2-Dichloropropane	6.788	63	70044	10.321	ug/l	99
39) Methacrylonitrile	4.975	41	18211	11.966	ug/l	98
40) Methyl acrylate	4.843	55	30946	11.915	ug/l	99
41) Tetrahydrofuran	5.065	42	20937	23.277	ug/l	98
42) 1-Chlorobutane	5.454	56	102365	10.459	ug/l	99
43) Dibromomethane	6.914	93	35689	11.304	ug/l	98
44) Bromodichloromethane	7.103	83	95892	11.086	ug/l #	96

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45) 4-Methyl-2-Pentanone	7.788	43	225506	60.352	ug/l	99
46) t-1,4-Dichloro-2-butene	10.833	75	43804m	28.002	ug/l	
47) Methyl methacrylate	6.955	69	70202	23.670	ug/l	98
48) Ethyl methacrylate	8.328	69	70647	11.725	ug/l	95
49) Toluene	7.965	92	164394	10.958	ug/l	99
50) t-1,3-Dichloropropene	8.206	75	88957	11.602	ug/l	99
51) cis-1,3-Dichloropropene	7.602	75	103454	11.097	ug/l	100
52) 1,1,2-Trichloroethane	8.396	97	54528	11.447	ug/l	94
53) 1,3-Dichloropropane	8.573	76	90363	11.256	ug/l	97
54) 2-Hexanone	8.682	43	154694	59.384	ug/l	98
55) Dibromochloromethane	8.804	129	63701	11.192	ug/l	96
56) 1,2-Dibromoethane	8.920	107	49093	11.783	ug/l	99
58) Tetrachloroethene	8.547	164	59362	10.721	ug/l	94
59) Chlorobenzene	9.441	112	195161	10.914	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.531	131	70402	11.152	ug/l	95
61) Pentachloroethane	11.422	117	55212	11.110	ug/l	98
62) Hexachloroethane	12.470	117	59053	11.568	ug/l	96
63) Ethyl Benzene	9.566	91	338003	11.088	ug/l	96
64) m/p-Xylenes	9.688	106	251189	21.795	ug/l	97
65) o-Xylene	10.097	106	127641	10.995	ug/l	97
66) Styrene	10.110	104	210968	11.311	ug/l	99
67) Bromoform	10.287	173	37175	12.122	ug/l	97
69) Isopropylbenzene	10.479	105	343821	10.916	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.778	83	72417	12.192	ug/l	98
71) 1,2,3-Trichloropropane	10.827	75	45008m	10.752	ug/l	
72) Bromobenzene	10.778	156	78230	10.766	ug/l	97
73) n-propylbenzene	10.901	120	93984	11.106	ug/l	97
74) 2-Chlorotoluene	10.981	126	80699	10.951	ug/l	99
75) 1,3,5-Trimethylbenzene	11.084	105	284033	11.070	ug/l	100
76) 4-Chlorotoluene	11.094	126	85047	11.227	ug/l	98
77) tert-Butylbenzene	11.415	119	292051	11.052	ug/l	98
78) 1,2,4-Trimethylbenzene	11.463	105	288364	11.175	ug/l	100
79) sec-Butylbenzene	11.640	105	381813	11.136	ug/l	99
80) Nitrobenzene	13.203	77	10212	47.374	ug/l #	95
81) p-Isopropyltoluene	11.788	119	311096	11.139	ug/l	99
82) 1,3-Dichlorobenzene	11.740	146	163347	11.229	ug/l	100
83) 1,4-Dichlorobenzene	11.830	146	162647	11.148	ug/l	99
84) n-Butylbenzene	12.206	91	290581	11.308	ug/l	99
85) 1,2-Dichlorobenzene	12.209	146	157372	11.359	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.994	75	11002	11.318	ug/l	91
87) 1,2,4-Trichlorobenzene	13.836	180	101500	11.427	ug/l	99
88) Hexachlorobutadiene	14.016	225	52307	11.024	ug/l	99
89) Naphthalene	14.081	128	163754	11.399	ug/l	99
90) 1,2,3-Trichlorobenzene	14.325	180	96830	12.614	ug/l	99

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

