

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072223\
 Data File : VU054845.D
 Acq On : 21 Jul 2023 18:33
 Operator : MD/SY
 Sample : VSTDICCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 07/31/2023
 Supervised By : Mahesh Dadoda 07/31/2023

Quant Time: Jul 24 09:34:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U072123DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Jul 24 08:47:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.110	96	27684	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	8471	1.013	ug/l	0.00
Spiked Amount	1.000		Recovery	=	101.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	9929	1.026	ug/l	0.00
Spiked Amount	1.000		Recovery	=	103.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	55431	10.063	ug/l	100
3) Chloromethane	1.518	50	60105	9.396	ug/l	100
4) Vinyl Chloride	1.602	62	82241	10.014	ug/l	100
5) Bromomethane	1.856	94	57223	9.818	ug/l	100
6) Chloroethane	1.930	64	74414	9.589	ug/l	100
7) Trichlorofluoromethane	2.132	101	210737	10.588	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	58409	10.243	ug/l	100
9) 1,1-Dichloroethene	2.576	96	48644	10.214	ug/l	100
10) Iodomethane	2.718	142	79945	10.421	ug/l	100
11) Allyl Chloride	2.920	41	54981	9.842	ug/l	100
12) Acrylonitrile	3.322	53	23196	20.332	ug/l	100
13) Acetone	2.650	43	43097	42.878	ug/l	99
14) Carbon Disulfide	2.788	76	82442	10.268	ug/l	100
15) Methylene Chloride	3.039	84	67403	9.714	ug/l	100
16) trans-1,2-Dichloroethene	3.348	96	53211	10.055	ug/l	100
17) 1,1-Dichloroethane	3.865	63	113064	10.096	ug/l	100
18) 2-Butanone	4.714	43	74302	52.156	ug/l	100
19) Cyclohexane	5.383	56	63885	8.725	ug/l	87
20) Methylcyclohexane	6.759	83	89309	10.371	ug/l	100
21) 2,2-Dichloropropane	4.660	77	98922	10.127	ug/l	100
22) cis-1,2-Dichloroethene	4.660	96	70001	10.446	ug/l	100
23) Diethyl Ether	2.374	59	73736	10.077	ug/l	100
24) tert-Butyl Alcohol	3.264	59	60974m	89.430	ug/l	
25) Methyl tert-Butyl Ether	3.361	73	149843	10.311	ug/l	100
26) Bromochloromethane	4.972	128	28073	10.990	ug/l	100
27) Chloroform	5.084	83	125972	10.237	ug/l	100
28) 1,1,1-Trichloroethane	5.309	97	108673	10.508	ug/l	100
29) 1,1-Dichloropropene	5.521	75	78253	10.638	ug/l	100
30) Carbon Tetrachloride	5.518	117	89520	10.415	ug/l	100
31) Isopropyl Ether	3.988	45	173456	10.466	ug/l	100
32) Ethyl-t-butyl ether	4.496	59	172156	10.109	ug/l	100
33) Tert-Amyl methyl ether	5.936	73	167352	10.441	ug/l	100
34) Propionitrile	4.795	54	23640m	50.580	ug/l	
35) Benzene	5.769	78	248427	10.393	ug/l	100
36) 1,2-Dichloroethane	5.791	62	72148	10.506	ug/l	100
37) Trichloroethene	6.541	130	66663	10.319	ug/l	100
38) 1,2-Dichloropropane	6.785	63	69951	10.137	ug/l	100
39) Methacrylonitrile	4.978	41	16415	9.642	ug/l	100
40) Methyl acrylate	4.846	55	27350	9.434	ug/l	# 94
41) Tetrahydrofuran	5.058	42	18367	18.522	ug/l	93
42) 1-Chlorobutane	5.454	56	102819	10.333	ug/l	100
43) Dibromomethane	6.914	93	33847	10.544	ug/l	100
44) Bromodichloromethane	7.100	83	93131	10.590	ug/l	100

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45) 4-Methyl-2-Pentanone	7.788	43	202028	53.178	ug/l	100
46) t-1,4-Dichloro-2-butene	10.830	75	33337m	20.872	ug/l	
47) Methyl methacrylate	6.955	69	66515	22.057	ug/l	100
48) Ethyl methacrylate	8.332	69	65432	10.680	ug/l	100
49) Toluene	7.965	92	160716	10.537	ug/l	100
50) t-1,3-Dichloropropene	8.206	75	85246	10.935	ug/l	100
51) cis-1,3-Dichloropropene	7.605	75	100704	10.624	ug/l	100
52) 1,1,2-Trichloroethane	8.396	97	50823	10.494	ug/l	100
53) 1,3-Dichloropropane	8.569	76	88812	10.881	ug/l	100
54) 2-Hexanone	8.682	43	138559	52.314	ug/l	100
55) Dibromochloromethane	8.804	129	62599	10.817	ug/l	100
56) 1,2-Dibromoethane	8.920	107	47627	11.243	ug/l	100
58) Tetrachloroethene	8.550	164	57883	10.282	ug/l	100
59) Chlorobenzene	9.444	112	193273	10.630	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.528	131	70979	11.059	ug/l	100
61) Pentachloroethane	11.421	117	54905	10.866	ug/l	100
62) Hexachloroethane	12.470	117	58774	11.324	ug/l	100
63) Ethyl Benzene	9.566	91	332188	10.718	ug/l	100
64) m/p-Xylenes	9.688	106	250604	21.386	ug/l	100
65) o-Xylene	10.097	106	122916	10.414	ug/l	100
66) Styrene	10.110	104	205368	10.829	ug/l	100
67) Bromoform	10.286	173	34612	11.100	ug/l	100
69) Isopropylbenzene	10.479	105	344502	10.757	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.778	83	64801	10.730	ug/l	100
71) 1,2,3-Trichloropropane	10.827	75	43100m	10.386	ug/l	
72) Bromobenzene	10.778	156	77164	10.444	ug/l	100
73) n-propylbenzene	10.901	120	90515	10.520	ug/l	100
74) 2-Chlorotoluene	10.981	126	78233	10.442	ug/l	100
75) 1,3,5-Trimethylbenzene	11.084	105	278007	10.656	ug/l	100
76) 4-Chlorotoluene	11.093	126	83032	10.780	ug/l	100
77) tert-Butylbenzene	11.415	119	288211	10.727	ug/l	100
78) 1,2,4-Trimethylbenzene	11.463	105	289147	11.021	ug/l	100
79) sec-Butylbenzene	11.640	105	383022	10.987	ug/l	100
80) Nitrobenzene	13.203	77	10086	46.107	ug/l	100
81) p-Isopropyltoluene	11.788	119	313516	11.040	ug/l	100
82) 1,3-Dichlorobenzene	11.740	146	158008	10.683	ug/l	100
83) 1,4-Dichlorobenzene	11.833	146	157351	10.608	ug/l	100
84) n-Butylbenzene	12.203	91	300420	11.499	ug/l	100
85) 1,2-Dichlorobenzene	12.206	146	148421	10.537	ug/l	100
86) 1,2-Dibromo-3-Chloropr...	12.990	75	9327	9.785	ug/l	100
87) 1,2,4-Trichlorobenzene	13.836	180	98444	10.900	ug/l	100
88) Hexachlorobutadiene	14.016	225	50586	10.486	ug/l	100
89) Naphthalene	14.084	128	158492	10.851	ug/l	100
90) 1,2,3-Trichlorobenzene	14.325	180	87341	11.190	ug/l	100

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

