

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072523\
 Data File : VU054866.D
 Acq On : 25 Jul 2023 09:52
 Operator : MD/SY
 Sample : VSTDICC0.5
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC0.5

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/28/2023
 Supervised By :Semsettin Yesilyurt 07/28/2023

Quant Time: Jul 26 08:40:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U072523DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Jul 26 08:39:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.113	96	27754	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.634	95	8687	1.032	ug/l	0.00
Spiked Amount 1.000			Recovery	=	103.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	8506	0.894	ug/l	0.00
Spiked Amount 1.000			Recovery	=	89.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	2847	0.539	ug/l	96
3) Chloromethane	1.515	50	3277	0.552	ug/l	98
4) Vinyl Chloride	1.602	62	4281	0.540	ug/l	100
5) Bromomethane	1.856	94	3683	0.586	ug/l	84
6) Chloroethane	1.933	64	4466	0.545	ug/l	96
7) Trichlorofluoromethane	2.136	101	10062	0.540	ug/l	91
8) 1,1,2-Trichloro-1,2,2-...	2.573	101	3341	0.553	ug/l #	85
9) 1,1-Dichloroethene	2.576	96	2458	0.513	ug/l	97
11) Allyl Chloride	2.924	41	3020	0.527	ug/l	86
12) Acrylonitrile	3.361	53	1237m	1.027	ug/l	
13) Acetone	2.663	43	3416m	2.670	ug/l	
14) Carbon Disulfide	2.792	76	4864	0.586	ug/l	96
15) Methylene Chloride	3.042	84	4762	0.731	ug/l #	85
16) trans-1,2-Dichloroethene	3.348	96	2628	0.504	ug/l	91
17) 1,1-Dichloroethane	3.872	63	6679	0.572	ug/l	97
18) 2-Butanone	4.734	43	4011m	2.435	ug/l	
19) Cyclohexane	5.383	56	3661	0.558	ug/l	97
20) Methylcyclohexane	6.759	83	4222	0.481	ug/l	91
21) 2,2-Dichloropropane	4.663	77	6433	0.595	ug/l	93
22) cis-1,2-Dichloroethene	4.673	96	3587	0.517	ug/l	90
23) Diethyl Ether	2.374	59	3847	0.544	ug/l	90
25) Methyl tert-Butyl Ether	3.361	73	7682	0.518	ug/l #	86
26) Bromochloromethane	4.978	128	1346	0.473	ug/l	85
27) Chloroform	5.084	83	6532	0.521	ug/l	94
28) 1,1,1-Trichloroethane	5.306	97	5721	0.529	ug/l	96
29) 1,1-Dichloropropene	5.531	75	4068	0.510	ug/l	95
30) Carbon Tetrachloride	5.521	117	5122	0.567	ug/l	95
31) Isopropyl Ether	3.991	45	9555	0.555	ug/l	98
32) Ethyl-t-butyl ether	4.499	59	9677	0.546	ug/l	99
33) Tert-Amyl methyl ether	5.936	73	9261	0.552	ug/l	96
34) Propionitrile	4.833	54	795m	1.751	ug/l	
35) Benzene	5.776	78	13769	0.551	ug/l	99
36) 1,2-Dichloroethane	5.798	62	3795	0.534	ug/l #	90
37) Trichloroethene	6.538	130	3609	0.537	ug/l	99
38) 1,2-Dichloropropane	6.788	63	3922	0.555	ug/l	98
39) Methacrylonitrile	4.997	41	969m	0.550	ug/l	
40) Methyl acrylate	4.882	55	1570m	0.561	ug/l	
41) Tetrahydrofuran	5.071	42	1035m	1.020	ug/l	
42) 1-Chlorobutane	5.454	56	5707	0.546	ug/l	98
43) Dibromomethane	6.920	93	1643	0.495	ug/l #	79
44) Bromodichloromethane	7.107	83	4672	0.505	ug/l	90
45) 4-Methyl-2-Pentanone	7.795	43	10611	2.740	ug/l	95
46) t-1,4-Dichloro-2-butene	10.833	75	1259m	0.796	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Methyl methacrylate	6.965	69	2796	0.921	ug/l	88
48) Ethyl methacrylate	8.335	69	3115	0.508	ug/l	99
49) Toluene	7.968	92	8162	0.513	ug/l	99
50) t-1,3-Dichloropropene	8.213	75	4171	0.508	ug/l	92
51) cis-1,3-Dichloropropene	7.608	75	5314	0.527	ug/l	96
52) 1,1,2-Trichloroethane	8.399	97	2582	0.491	ug/l #	81
53) 1,3-Dichloropropane	8.573	76	4081	0.479	ug/l	97
54) 2-Hexanone	8.692	43	6380	2.318	ug/l	91
55) Dibromochloromethane	8.808	129	3250	0.539	ug/l	86
56) 1,2-Dibromoethane	8.923	107	2186	0.490	ug/l	87
58) Tetrachloroethene	8.554	164	3021	0.515	ug/l	90
59) Chlorobenzene	9.444	112	10109	0.523	ug/l	95
60) 1,1,1,2-Tetrachloroethane	9.528	131	3444	0.505	ug/l	97
61) Pentachloroethane	11.418	117	2659	0.499	ug/l	94
62) Hexachloroethane	12.473	117	2593	0.473	ug/l	87
63) Ethyl Benzene	9.570	91	16631	0.513	ug/l	94
64) m/p-Xylenes	9.692	106	12683	1.045	ug/l	97
65) o-Xylene	10.094	106	6537	0.525	ug/l	94
66) Styrene	10.113	104	9809	0.492	ug/l	98
67) Bromoform	10.290	173	1021	0.327	ug/l #	76
69) Isopropylbenzene	10.479	105	17120	0.512	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.782	83	3351	0.515	ug/l #	98
71) 1,2,3-Trichloropropane	10.830	75	2759m	0.590	ug/l	
72) Bromobenzene	10.782	156	3719	0.499	ug/l	85
73) n-propylbenzene	10.907	120	4317	0.482	ug/l	93
74) 2-Chlorotoluene	10.981	126	3639	0.470	ug/l	86
75) 1,3,5-Trimethylbenzene	11.084	105	13024	0.481	ug/l	99
76) 4-Chlorotoluene	11.094	126	3799	0.472	ug/l	86
77) tert-Butylbenzene	11.415	119	14309	0.508	ug/l	96
78) 1,2,4-Trimethylbenzene	11.467	105	13811	0.498	ug/l	98
79) sec-Butylbenzene	11.637	105	17211	0.470	ug/l	100
80) Nitrobenzene	13.229	77	419m	2.449	ug/l	
81) p-Isopropyltoluene	11.791	119	13185	0.456	ug/l	98
82) 1,3-Dichlorobenzene	11.743	146	8356	0.527	ug/l	97
83) 1,4-Dichlorobenzene	11.836	146	7738	0.490	ug/l	97
84) n-Butylbenzene	12.209	91	11246	0.433	ug/l	97
85) 1,2-Dichlorobenzene	12.209	146	8103	0.533	ug/l	96
86) 1,2-Dibromo-3-Chloropr...	13.004	75	388	0.448	ug/l #	76
87) 1,2,4-Trichlorobenzene	13.836	180	5278	0.544	ug/l	96
88) Hexachlorobutadiene	14.016	225	2763	0.534	ug/l	94
90) 1,2,3-Trichlorobenzene	14.328	180	4707	0.547	ug/l	97

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

