

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072223\
 Data File : VU054841.D
 Acq On : 21 Jul 2023 16:55
 Operator : MD/SY
 Sample : VSTDICC0.5
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC0.5

Quant Time: Jul 24 08:47:27 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) Fluorobenzene	6.113	96	25496	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	7355	0.955	ug/l	0.00
Spiked Amount 1.000			Recovery	=	96.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	8519	0.955	ug/l	0.00
Spiked Amount 1.000			Recovery	=	96.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	2446	0.482	ug/l	93
3) Chloromethane	1.518	50	3273	0.556	ug/l	97
4) Vinyl Chloride	1.602	62	3540	0.468	ug/l	93
5) Bromomethane	1.856	94	2525	0.470	ug/l	87
6) Chloroethane	1.933	64	3612	0.505	ug/l	92
7) Trichlorofluoromethane	2.136	101	8231	0.449	ug/l	96
8) 1,1,2-Trichloro-1,2,2-...	2.573	101	2597	0.495	ug/l	91
9) 1,1-Dichloroethene	2.579	96	2000	0.456	ug/l	65
11) Allyl Chloride	2.920	41	2488	0.484	ug/l	98
12) Acrylonitrile	3.358	53	885m	0.842	ug/l	
13) Acetone	2.647	43	2840m	3.068	ug/l	
14) Carbon Disulfide	2.792	76	3384	0.458	ug/l	96
15) Methylene Chloride	3.039	84	6130	0.380	ug/l	96
16) trans-1,2-Dichloroethene	3.348	96	2404	0.493	ug/l #	74
17) 1,1-Dichloroethane	3.869	63	4859	0.471	ug/l	98
18) 2-Butanone	4.756	43	2952m	2.250	ug/l	
19) Cyclohexane	5.380	56	2837	0.421	ug/l	89
20) Methylcyclohexane	6.759	83	3566	0.450	ug/l	97
21) 2,2-Dichloropropane	4.660	77	4484	0.498	ug/l	94
22) cis-1,2-Dichloroethene	4.676	96	2604	0.422	ug/l	83
23) Diethyl Ether	2.374	59	3201	0.475	ug/l #	89
25) Methyl tert-Butyl Ether	3.364	73	6017	0.450	ug/l	93
26) Bromochloromethane	4.968	128	755m	0.321	ug/l	
27) Chloroform	5.084	83	5383	0.475	ug/l	95
28) 1,1,1-Trichloroethane	5.313	97	4010	0.421	ug/l	92
29) 1,1-Dichloropropene	5.522	75	2872	0.424	ug/l	100
30) Carbon Tetrachloride	5.525	117	3675	0.464	ug/l	95
31) Isopropyl Ether	3.988	45	6866	0.450	ug/l	90
32) Ethyl-t-butyl ether	4.499	59	7124	0.454	ug/l	91
33) Tert-Amyl methyl ether	5.939	73	6871	0.465	ug/l	96
34) Propionitrile	4.843	54	846m	1.965	ug/l	
35) Benzene	5.769	78	10083	0.458	ug/l	91
36) 1,2-Dichloroethane	5.792	62	2876	0.455	ug/l #	93
37) Trichloroethene	6.544	130	2882	0.484	ug/l	98
38) 1,2-Dichloropropane	6.788	63	2956	0.465	ug/l #	85
39) Methacrylonitrile	4.988	41	484m	0.309	ug/l	
40) Methyl acrylate	4.878	55	1127m	0.422	ug/l	
41) Tetrahydrofuran	5.075	42	901m	0.987	ug/l	
42) 1-Chlorobutane	5.457	56	4112	0.449	ug/l	90
43) Dibromomethane	6.917	93	1242	0.420	ug/l #	57
44) Bromodichloromethane	7.103	83	3560	0.440	ug/l #	95
45) 4-Methyl-2-Pentanone	7.795	43	7652	2.187	ug/l	96
46) t-1,4-Dichloro-2-butene	10.843	75	1276m	0.867	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Methyl methacrylate	6.968	69	2398	0.863	ug/l #	90
48) Ethyl methacrylate	8.335	69	2514	0.446	ug/l	83
49) Toluene	7.968	92	6055	0.431	ug/l	90
50) t-1,3-Dichloropropene	8.216	75	2946	0.410	ug/l	90
51) cis-1,3-Dichloropropene	7.608	75	3966	0.454	ug/l	93
52) 1,1,2-Trichloroethane	8.399	97	1841	0.413	ug/l #	85
53) 1,3-Dichloropropane	8.570	76	3191	0.424	ug/l	98
54) 2-Hexanone	8.689	43	5742	2.354	ug/l	91
55) Dibromochloromethane	8.808	129	2080	0.390	ug/l	87
56) 1,2-Dibromoethane	8.923	107	1412	0.362	ug/l	78
58) Tetrachloroethene	8.550	164	2403	0.463	ug/l	93
59) Chlorobenzene	9.447	112	7263	0.434	ug/l	95
60) 1,1,1,2-Tetrachloroethane	9.531	131	2383	0.403	ug/l #	89
61) Pentachloroethane	11.422	117	1892	0.407	ug/l	98
62) Hexachloroethane	12.467	117	1839	0.385	ug/l	91
63) Ethyl Benzene	9.570	91	12107	0.424	ug/l	94
64) m/p-Xylenes	9.695	106	9375	0.869	ug/l	98
65) o-Xylene	10.097	106	4873	0.448	ug/l	90
66) Styrene	10.116	104	7709	0.441	ug/l	96
67) Bromoform	10.290	173	1201	0.418	ug/l #	74
69) Isopropylbenzene	10.480	105	12816	0.435	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.782	83	2390	0.430	ug/l #	97
71) 1,2,3-Trichloropropane	10.824	75	1750m	0.458	ug/l	
72) Bromobenzene	10.782	156	3105	0.456	ug/l	91
73) n-propylbenzene	10.904	120	3473	0.438	ug/l	85
74) 2-Chlorotoluene	10.984	126	3188	0.462	ug/l	91
75) 1,3,5-Trimethylbenzene	11.087	105	10295	0.428	ug/l	96
76) 4-Chlorotoluene	11.097	126	2892	0.408	ug/l	91
77) tert-Butylbenzene	11.415	119	10893	0.440	ug/l	93
78) 1,2,4-Trimethylbenzene	11.467	105	9953	0.412	ug/l	92
79) sec-Butylbenzene	11.640	105	13094	0.408	ug/l	99
80) Nitrobenzene	13.219	77	245	4.204	ug/l #	42
81) p-Isopropyltoluene	11.791	119	10643	0.407	ug/l	99
82) 1,3-Dichlorobenzene	11.746	146	5959	0.437	ug/l	97
83) 1,4-Dichlorobenzene	11.836	146	6223	0.456	ug/l	93
84) n-Butylbenzene	12.206	91	9331	0.388	ug/l	99
85) 1,2-Dichlorobenzene	12.213	146	5720	0.441	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.994	75	210	0.416	ug/l #	44
87) 1,2,4-Trichlorobenzene	13.839	180	3479	0.418	ug/l	93
88) Hexachlorobutadiene	14.016	225	1900	0.428	ug/l	96
89) Naphthalene	14.090	128	5257	0.391	ug/l	98
90) 1,2,3-Trichlorobenzene	14.328	180	3121	0.434	ug/l	94

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

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