

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072523\
 Data File : VU054867.D
 Acq On : 25 Jul 2023 10:16
 Operator : MD/SY
 Sample : VSTDICC001
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

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

Quant Time: Jul 26 08:41:17 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	25395	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	7849	1.019	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	9109	1.047	ug/l	0.00
Spiked Amount 1.000			Recovery	=	105.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	4680	0.968	ug/l	98
3) Chloromethane	1.515	50	5854	1.078	ug/l	97
4) Vinyl Chloride	1.602	62	7391	1.019	ug/l	89
5) Bromomethane	1.856	94	5487	0.953	ug/l	93
6) Chloroethane	1.930	64	6676	0.890	ug/l	96
7) Trichlorofluoromethane	2.133	101	17271	1.013	ug/l	97
8) 1,1,2-Trichloro-1,2,2-...	2.573	101	5481	0.992	ug/l	99
9) 1,1-Dichloroethene	2.573	96	4374	0.998	ug/l	94
10) Iodomethane	2.715	142	6704	0.979	ug/l	99
11) Allyl Chloride	2.920	41	5425	1.035	ug/l	93
12) Acrylonitrile	3.332	53	2155m	1.956	ug/l	
13) Acetone	2.660	43	5079m	4.338	ug/l	
14) Carbon Disulfide	2.792	76	8133	1.071	ug/l #	88
15) Methylene Chloride	3.042	84	5566	0.948	ug/l	90
16) trans-1,2-Dichloroethene	3.348	96	4678	0.980	ug/l #	94
17) 1,1-Dichloroethane	3.862	63	10325	0.967	ug/l	99
18) 2-Butanone	4.724	43	6848m	4.544	ug/l	
19) Cyclohexane	5.386	56	5926	0.987	ug/l #	86
20) Methylcyclohexane	6.756	83	8270	1.030	ug/l	93
21) 2,2-Dichloropropane	4.653	77	8910	0.900	ug/l #	84
22) cis-1,2-Dichloroethene	4.666	96	6534	1.030	ug/l	94
23) Diethyl Ether	2.374	59	6851	1.059	ug/l	95
24) tert-Butyl Alcohol	3.187	59	6986m	11.597	ug/l	
25) Methyl tert-Butyl Ether	3.364	73	13415	0.989	ug/l	99
26) Bromochloromethane	4.975	128	2986	1.148	ug/l	85
27) Chloroform	5.087	83	11173	0.975	ug/l	98
28) 1,1,1-Trichloroethane	5.312	97	10047	1.015	ug/l	97
29) 1,1-Dichloropropene	5.525	75	7690	1.053	ug/l #	69
30) Carbon Tetrachloride	5.521	117	8241	0.997	ug/l	96
31) Isopropyl Ether	3.988	45	15031	0.954	ug/l	96
32) Ethyl-t-butyl ether	4.499	59	15449	0.952	ug/l	93
33) Tert-Amyl methyl ether	5.936	73	14993	0.977	ug/l	97
34) Propionitrile	4.814	54	1898m	4.568	ug/l	
35) Benzene	5.772	78	21989	0.961	ug/l	96
36) 1,2-Dichloroethane	5.798	62	6537	1.005	ug/l #	86
37) Trichloroethene	6.544	130	6121	0.995	ug/l	99
38) 1,2-Dichloropropane	6.785	63	6142	0.950	ug/l	94
39) Methacrylonitrile	4.997	41	1634m	1.013	ug/l	
40) Methyl acrylate	4.885	55	2633m	1.028	ug/l	
41) Tetrahydrofuran	5.068	42	2312m	2.491	ug/l	
42) 1-Chlorobutane	5.460	56	9600	1.004	ug/l	100
43) Dibromomethane	6.917	93	2912	0.959	ug/l	93
44) Bromodichloromethane	7.100	83	8247	0.975	ug/l #	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.791	43	16318	4.605	ug/l #	92
46) t-1,4-Dichloro-2-butene	10.830	75	2615m	1.807	ug/l	
47) Methyl methacrylate	6.965	69	5514	1.986	ug/l	99
48) Ethyl methacrylate	8.335	69	5089	0.906	ug/l	95
49) Toluene	7.965	92	14760	1.013	ug/l	95
50) t-1,3-Dichloropropene	8.213	75	7412	0.987	ug/l	99
51) cis-1,3-Dichloropropene	7.605	75	8972	0.972	ug/l	97
52) 1,1,2-Trichloroethane	8.399	97	5054	1.050	ug/l #	87
53) 1,3-Dichloropropane	8.573	76	8040	1.032	ug/l	98
54) 2-Hexanone	8.685	43	11937	4.741	ug/l	98
55) Dibromochloromethane	8.804	129	5279	0.957	ug/l	97
56) 1,2-Dibromoethane	8.923	107	3751	0.919	ug/l	98
58) Tetrachloroethene	8.544	164	5680	1.058	ug/l #	88
59) Chlorobenzene	9.444	112	17919	1.013	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.531	131	6164	0.987	ug/l	97
61) Pentachloroethane	11.425	117	4259	0.873	ug/l	95
62) Hexachloroethane	12.473	117	4787	0.954	ug/l	98
63) Ethyl Benzene	9.566	91	28424	0.958	ug/l	99
64) m/p-Xylenes	9.688	106	20779	1.872	ug/l	94
65) o-Xylene	10.097	106	10500	0.921	ug/l	93
66) Styrene	10.113	104	17323	0.950	ug/l	99
67) Bromoform	10.290	173	2989	1.045	ug/l	91
69) Isopropylbenzene	10.483	105	30287	0.989	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.778	83	5576	0.936	ug/l	98
71) 1,2,3-Trichloropropane	10.820	75	3813m	0.891	ug/l	
72) Bromobenzene	10.782	156	6458	0.948	ug/l	74
73) n-propylbenzene	10.901	120	7766	0.948	ug/l	99
74) 2-Chlorotoluene	10.984	126	7180	1.012	ug/l	97
75) 1,3,5-Trimethylbenzene	11.084	105	24121	0.973	ug/l	100
76) 4-Chlorotoluene	11.097	126	7177	0.974	ug/l	96
77) tert-Butylbenzene	11.415	119	24117	0.936	ug/l	98
78) 1,2,4-Trimethylbenzene	11.463	105	23615	0.931	ug/l	95
79) sec-Butylbenzene	11.640	105	31817	0.949	ug/l	99
80) Nitrobenzene	13.216	77	606	3.871	ug/l #	83
81) p-Isopropyltoluene	11.788	119	24116	0.912	ug/l	99
82) 1,3-Dichlorobenzene	11.743	146	14245	0.982	ug/l	98
83) 1,4-Dichlorobenzene	11.833	146	14431	0.998	ug/l	98
84) n-Butylbenzene	12.206	91	20154	0.848	ug/l	98
85) 1,2-Dichlorobenzene	12.209	146	13538	0.973	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.997	75	770	0.972	ug/l #	59
87) 1,2,4-Trichlorobenzene	13.839	180	8019	0.904	ug/l	95
88) Hexachlorobutadiene	14.016	225	4373	0.924	ug/l	96
89) Naphthalene	14.087	128	13282	0.967	ug/l	97
90) 1,2,3-Trichlorobenzene	14.328	180	7435	0.945	ug/l	96

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

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