

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072723\
 Data File : VU054892.D
 Acq On : 27 Jul 2023 11:44
 Operator : MD/SY
 Sample : VU0727WBS01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/28/2023
 Supervised By : Mahesh Dadoda 07/31/2023

Quant Time: Jul 28 05:43:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U072523DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Jul 26 09:45:35 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.116	96	26474	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.634	95	8747	1.090	ug/l	0.00
Spiked Amount 1.000			Recovery	=	109.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	9978	1.100	ug/l	0.00
Spiked Amount 1.000			Recovery	=	110.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	9343	1.853	ug/l	87
3) Chloromethane	1.518	50	11391	2.011	ug/l	96
4) Vinyl Chloride	1.599	62	15404	2.037	ug/l	98
5) Bromomethane	1.856	94	12695	2.116	ug/l	93
6) Chloroethane	1.930	64	12843	1.643	ug/l	95
7) Trichlorofluoromethane	2.136	101	31872	1.794	ug/l	95
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	11676	2.028	ug/l	94
9) 1,1-Dichloroethene	2.576	96	8958	1.960	ug/l	90
10) Iodomethane	2.717	142	11440	1.603	ug/l	93
11) Allyl Chloride	2.923	41	10942	2.003	ug/l	97
12) Acrylonitrile	3.338	53	5256m	4.582	ug/l	
13) Acetone	2.644	43	11199	9.341	ug/l	97
14) Carbon Disulfide	2.788	76	14653	1.850	ug/l	96
15) Methylene Chloride	3.042	84	13975	2.356	ug/l	96
16) trans-1,2-Dichloroethene	3.351	96	10322	2.074	ug/l	99
17) 1,1-Dichloroethane	3.869	63	21671	1.947	ug/l	99
18) 2-Butanone	4.717	43	16299	10.777	ug/l	92
19) Cyclohexane	5.383	56	14059m	2.245	ug/l	
20) Methylcyclohexane	6.759	83	16455	1.965	ug/l	98
21) 2,2-Dichloropropane	4.656	77	20146	1.953	ug/l	99
22) cis-1,2-Dichloroethene	4.666	96	14019	2.120	ug/l	100
23) Diethyl Ether	2.377	59	13862	2.056	ug/l	97
24) tert-Butyl Alcohol	3.238	59	13779m	21.965	ug/l	
25) Methyl tert-Butyl Ether	3.361	73	30716	2.172	ug/l	100
26) Bromochloromethane	4.971	128	5818	2.145	ug/l	96
27) Chloroform	5.084	83	25565	2.139	ug/l	97
28) 1,1,1-Trichloroethane	5.315	97	21001	2.035	ug/l	99
29) 1,1-Dichloropropene	5.524	75	15178	1.993	ug/l	96
30) Carbon Tetrachloride	5.521	117	17021	1.975	ug/l	97
31) Isopropyl Ether	3.988	45	32689	1.990	ug/l	92
32) Ethyl-t-butyl ether	4.499	59	33921	2.006	ug/l	94
33) Tert-Amyl methyl ether	5.936	73	33358	2.086	ug/l	99
34) Propionitrile	4.807	54	5303m	12.718	ug/l	
35) Benzene	5.775	78	48169	2.020	ug/l	97
36) 1,2-Dichloroethane	5.791	62	15056	2.220	ug/l	98
37) Trichloroethene	6.544	130	13204	2.059	ug/l	97
38) 1,2-Dichloropropane	6.788	63	14218	2.109	ug/l	90
39) Methacrylonitrile	4.981	41	3312	1.981	ug/l	# 79
40) Methyl acrylate	4.859	55	5890m	2.216	ug/l	
41) Tetrahydrofuran	5.071	42	4414m	4.618	ug/l	
42) 1-Chlorobutane	5.454	56	19232	1.929	ug/l	93
43) Dibromomethane	6.920	93	6866	2.169	ug/l	89
44) Bromodichloromethane	7.103	83	18014	2.042	ug/l	89

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.791	43	42017	11.374	ug/l	99
46) t-1,4-Dichloro-2-butene	10.833	75	7192m	4.838	ug/l	
47) Methyl methacrylate	6.962	69	13849	4.785	ug/l	99
48) Ethyl methacrylate	8.335	69	12389	2.116	ug/l	94
49) Toluene	7.968	92	30517	2.009	ug/l	99
50) t-1,3-Dichloropropene	8.209	75	16407	2.095	ug/l	99
51) cis-1,3-Dichloropropene	7.608	75	18953	1.969	ug/l	98
52) 1,1,2-Trichloroethane	8.402	97	11200	2.231	ug/l	86
53) 1,3-Dichloropropane	8.573	76	17820	2.195	ug/l	97
54) 2-Hexanone	8.685	43	29717	11.321	ug/l	97
55) Dibromochloromethane	8.807	129	12802	2.226	ug/l	92
56) 1,2-Dibromoethane	8.923	107	9082	2.135	ug/l	97
58) Tetrachloroethene	8.553	164	12545	2.241	ug/l	96
59) Chlorobenzene	9.447	112	38247	2.075	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.531	131	13503	2.075	ug/l	97
61) Pentachloroethane	11.425	117	9726	1.913	ug/l	98
62) Hexachloroethane	12.473	117	9826	1.879	ug/l	96
63) Ethyl Benzene	9.569	91	64162	2.074	ug/l	98
64) m/p-Xylenes	9.691	106	48503	4.191	ug/l	99
65) o-Xylene	10.100	106	24130	2.030	ug/l	98
66) Styrene	10.113	104	38592	2.031	ug/l	98
67) Bromoform	10.290	173	6428	2.156	ug/l	98
69) Isopropylbenzene	10.482	105	65133	2.041	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.778	83	13487	2.171	ug/l #	97
71) 1,2,3-Trichloropropane	10.820	75	9477m	2.142	ug/l	
72) Bromobenzene	10.781	156	15871	2.234	ug/l	99
73) n-propylbenzene	10.904	120	17759	2.079	ug/l	92
74) 2-Chlorotoluene	10.984	126	15303	2.070	ug/l	96
75) 1,3,5-Trimethylbenzene	11.087	105	51997	2.012	ug/l	100
76) 4-Chlorotoluene	11.097	126	17391	2.264	ug/l	93
77) tert-Butylbenzene	11.415	119	55035	2.048	ug/l	99
78) 1,2,4-Trimethylbenzene	11.466	105	52494	1.984	ug/l	98
79) sec-Butylbenzene	11.640	105	70461	2.017	ug/l	97
80) Nitrobenzene	13.212	77	1717	10.519	ug/l #	89
81) p-Isopropyltoluene	11.791	119	52967	1.921	ug/l	98
82) 1,3-Dichlorobenzene	11.743	146	31982	2.114	ug/l	98
83) 1,4-Dichlorobenzene	11.836	146	32335	2.145	ug/l	98
84) n-Butylbenzene	12.206	91	45187	1.825	ug/l	98
85) 1,2-Dichlorobenzene	12.212	146	30168	2.081	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.994	75	1962	2.375	ug/l	84
87) 1,2,4-Trichlorobenzene	13.839	180	18171	1.965	ug/l	99
88) Hexachlorobutadiene	14.016	225	10256	2.079	ug/l	97
89) Naphthalene	14.087	128	28858	2.015	ug/l	100
90) 1,2,3-Trichlorobenzene	14.328	180	16180	1.972	ug/l	98

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

