

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU073024\
 Data File : VU060267.D
 Acq On : 30 Jul 2024 16:21
 Operator : MD/SY
 Sample : VSTDICC002
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC002

Quant Time: Jul 31 04:34:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U073024DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Jul 31 04:32:50 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.106	96	41186	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	13665	0.984	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	15390	1.032	ug/l	0.00
Spiked Amount 1.000			Recovery	=	103.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	30249	2.050	ug/l	100
3) Chloromethane	1.521	50	35929	2.024	ug/l	98
4) Vinyl Chloride	1.602	62	35420	2.061	ug/l	98
5) Bromomethane	1.849	94	20758	1.986	ug/l	99
6) Chloroethane	1.930	64	20578	1.992	ug/l	94
7) Trichlorofluoromethane	2.136	101	40300	2.075	ug/l	96
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	22036	2.031	ug/l	99
9) 1,1-Dichloroethene	2.576	96	23553	2.130	ug/l	99
10) Iodomethane	2.718	142	27911	2.072	ug/l	99
11) Allyl Chloride	2.917	41	33438	2.091	ug/l	100
12) Acrylonitrile	3.309	53	11370	3.653	ug/l	89
13) Acetone	2.621	43	29924	8.997	ug/l	98
14) Carbon Disulfide	2.788	76	81668	2.091	ug/l	98
15) Methylene Chloride	3.039	84	29564	1.915	ug/l	96
16) trans-1,2-Dichloroethene	3.345	96	25726	2.110	ug/l	91
17) 1,1-Dichloroethane	3.859	63	48369	2.067	ug/l	98
18) 2-Butanone	4.714	43	41321	9.593	ug/l	99
19) Cyclohexane	5.370	56	43209m	2.042	ug/l	
20) Methylcyclohexane	6.753	83	31234	1.873	ug/l	96
21) 2,2-Dichloropropane	4.653	77	34853	2.002	ug/l	98
22) cis-1,2-Dichloroethene	4.656	96	27302	2.080	ug/l	99
23) Diethyl Ether	2.374	59	19376	2.047	ug/l	99
24) tert-Butyl Alcohol	3.181	59	21315	19.661	ug/l	98
25) Methyl tert-Butyl Ether	3.361	73	57913	2.040	ug/l	97
26) Bromochloromethane	4.965	128	10850	2.054	ug/l	98
27) Chloroform	5.081	83	46630	2.055	ug/l	97
28) 1,1,1-Trichloroethane	5.306	97	39206	2.097	ug/l	99
29) 1,1-Dichloropropene	5.512	75	30866	2.035	ug/l	98
30) Carbon Tetrachloride	5.508	117	31257	2.060	ug/l	97
31) Isopropyl Ether	3.994	45	72542	2.060	ug/l	98
32) Ethyl-t-butyl ether	4.505	59	68633	2.081	ug/l	99
33) Tert-Amyl methyl ether	5.946	73	45328	1.920	ug/l	98
34) Propionitrile	4.775	54	12503	10.186	ug/l #	97
35) Benzene	5.762	78	95671	2.031	ug/l	99
36) 1,2-Dichloroethane	5.791	62	27901	2.051	ug/l	97
37) Trichloroethene	6.534	130	23320	2.007	ug/l	98
38) 1,2-Dichloropropane	6.788	63	26987	2.059	ug/l	99
39) Methacrylonitrile	4.975	41	9503	2.016	ug/l	95
40) Methyl acrylate	4.849	55	15295	1.976	ug/l	97
41) Tetrahydrofuran	5.062	42	10447	4.267	ug/l	97
42) 1-Chlorobutane	5.447	56	43666	2.044	ug/l	98
43) Dibromomethane	6.914	93	13073	2.014	ug/l	99
44) Bromodichloromethane	7.103	83	31594	2.037	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.798	43	61213	9.373	ug/l	96
46) t-1,4-Dichloro-2-butene	10.830	75	10429m	3.814	ug/l	
47) Methyl methacrylate	6.968	69	21366	3.767	ug/l	97
48) Ethyl methacrylate	8.335	69	17790	2.032	ug/l	96
49) Toluene	7.965	92	50839	1.945	ug/l	99
50) t-1,3-Dichloropropene	8.209	75	26126	1.999	ug/l	98
51) cis-1,3-Dichloropropene	7.605	75	31599	2.028	ug/l	98
52) 1,1,2-Trichloroethane	8.399	97	19404	2.070	ug/l	95
53) 1,3-Dichloropropane	8.573	76	31225	2.025	ug/l	100
54) 2-Hexanone	8.688	43	44194	9.067	ug/l	92
55) Dibromochloromethane	8.804	129	20738	2.014	ug/l	98
56) 1,2-Dibromoethane	8.920	107	17440	2.062	ug/l	97
58) Tetrachloroethene	8.547	164	22319	2.027	ug/l	98
59) Chlorobenzene	9.444	112	55061	1.963	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.531	131	22214	2.059	ug/l	97
61) Pentachloroethane	11.421	117	17772	2.077	ug/l	96
62) Hexachloroethane	12.470	117	17059	2.004	ug/l	99
63) Ethyl Benzene	9.566	91	81731	1.974	ug/l	97
64) m/p-Xylenes	9.688	106	65367	3.876	ug/l	98
65) o-Xylene	10.097	106	32296	2.015	ug/l	100
66) Styrene	10.113	104	50914	1.932	ug/l	97
67) Bromoform	10.286	173	12216	2.013	ug/l #	94
69) Isopropylbenzene	10.479	105	81776	2.011	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.778	83	25875	2.059	ug/l	98
71) 1,2,3-Trichloropropane	10.820	75	18344m	2.016	ug/l	
72) Bromobenzene	10.778	156	22852	2.008	ug/l	98
73) n-propylbenzene	10.901	120	21903	1.994	ug/l	98
74) 2-Chlorotoluene	10.981	126	21410	1.883	ug/l	99
75) 1,3,5-Trimethylbenzene	11.084	105	69337	1.959	ug/l	100
76) 4-Chlorotoluene	11.093	126	22129	1.988	ug/l	97
77) tert-Butylbenzene	11.415	119	68442	2.043	ug/l	100
78) 1,2,4-Trimethylbenzene	11.463	105	69131	1.971	ug/l	99
79) sec-Butylbenzene	11.640	105	93856	2.025	ug/l	99
80) Nitrobenzene	13.216	77	5667m	9.695	ug/l	
81) p-Isopropyltoluene	11.788	119	69664	1.979	ug/l	97
82) 1,3-Dichlorobenzene	11.743	146	46427	2.015	ug/l	99
83) 1,4-Dichlorobenzene	11.833	146	45503	2.002	ug/l	98
84) n-Butylbenzene	12.206	91	62307	2.002	ug/l	97
85) 1,2-Dichlorobenzene	12.209	146	45182	2.020	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.994	75	3550	2.003	ug/l	96
87) 1,2,4-Trichlorobenzene	13.839	180	22444	1.915	ug/l	99
88) Hexachlorobutadiene	14.016	225	15356	1.992	ug/l	98
89) Naphthalene	14.087	128	35270	2.129	ug/l	98
90) 1,2,3-Trichlorobenzene	14.328	180	21064	2.074	ug/l	99

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

