

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU073024\
 Data File : VU060266.D
 Acq On : 30 Jul 2024 15:48
 Operator : MD/SY
 Sample : VSTDICC001
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC001

Quant Time: Jul 31 04:34:02 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	6.107	96	39312	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	11835	0.893	ug/l	0.00
Spiked Amount 1.000			Recovery	=	89.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	13863	0.974	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	13869	0.985	ug/l	95
3) Chloromethane	1.522	50	17345	1.023	ug/l	99
4) Vinyl Chloride	1.602	62	15846	0.966	ug/l	97
5) Bromomethane	1.850	94	9593	0.961	ug/l	93
6) Chloroethane	1.930	64	9558	0.969	ug/l	98
7) Trichlorofluoromethane	2.136	101	18253	0.985	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	10102	0.976	ug/l	98
9) 1,1-Dichloroethene	2.576	96	10407	0.986	ug/l	99
10) Iodomethane	2.718	142	11539	0.897	ug/l	96
11) Allyl Chloride	2.917	41	14922	0.977	ug/l	97
12) Acrylonitrile	3.313	53	5787	1.948	ug/l	88
13) Acetone	2.621	43	18991	5.750	ug/l	96
14) Carbon Disulfide	2.788	76	36459	0.978	ug/l	99
15) Methylene Chloride	3.036	84	15010	1.019	ug/l	99
16) trans-1,2-Dichloroethene	3.345	96	11227	0.965	ug/l	92
17) 1,1-Dichloroethane	3.859	63	21645	0.969	ug/l	97
18) 2-Butanone	4.714	43	24020	5.842	ug/l	98
19) Cyclohexane	5.370	56	19995m	0.990	ug/l	
20) Methylcyclohexane	6.753	83	13909	0.874	ug/l	97
21) 2,2-Dichloropropane	4.653	77	16791	1.011	ug/l	100
22) cis-1,2-Dichloroethene	4.660	96	12251	0.978	ug/l	100
23) Diethyl Ether	2.374	59	8398	0.930	ug/l	98
24) tert-Butyl Alcohol	3.181	59	10389	10.040	ug/l	97
25) Methyl tert-Butyl Ether	3.361	73	26604	0.982	ug/l	99
26) Bromochloromethane	4.965	128	4953	0.982	ug/l	98
27) Chloroform	5.081	83	21206	0.979	ug/l	97
28) 1,1,1-Trichloroethane	5.303	97	17138	0.960	ug/l	99
29) 1,1-Dichloropropene	5.512	75	14050	0.970	ug/l	99
30) Carbon Tetrachloride	5.509	117	14288	0.987	ug/l	98
31) Isopropyl Ether	3.994	45	31893	0.949	ug/l	97
32) Ethyl-t-butyl ether	4.505	59	29977	0.952	ug/l	100
33) Tert-Amyl methyl ether	5.946	73	20267	0.899	ug/l	98
34) Propionitrile	4.775	54	5623	4.800	ug/l #	94
35) Benzene	5.766	78	42690	0.949	ug/l	99
36) 1,2-Dichloroethane	5.788	62	12327	0.949	ug/l	100
37) Trichloroethene	6.534	130	10053	0.907	ug/l	99
38) 1,2-Dichloropropane	6.788	63	11652	0.932	ug/l	99
39) Methacrylonitrile	4.975	41	4223	0.939	ug/l	92
40) Methyl acrylate	4.853	55	7343	0.994	ug/l #	95
41) Tetrahydrofuran	5.065	42	4674	2.000	ug/l	99
42) 1-Chlorobutane	5.447	56	19577	0.960	ug/l	97
43) Dibromomethane	6.917	93	5722	0.924	ug/l	100
44) Bromodichloromethane	7.103	83	14443	0.976	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.798	43	26196	4.203	ug/l	95
46) t-1,4-Dichloro-2-butene	10.830	75	4975m	1.906	ug/l	
47) Methyl methacrylate	6.972	69	8558	1.581	ug/l	98
48) Ethyl methacrylate	8.338	69	6935	0.985	ug/l	95
49) Toluene	7.965	92	20659	0.828	ug/l	99
50) t-1,3-Dichloropropene	8.209	75	11176	0.896	ug/l	94
51) cis-1,3-Dichloropropene	7.605	75	13530	0.910	ug/l	98
52) 1,1,2-Trichloroethane	8.396	97	7971	0.891	ug/l	96
53) 1,3-Dichloropropane	8.576	76	13352	0.907	ug/l	98
54) 2-Hexanone	8.688	43	22263	4.785	ug/l	88
55) Dibromochloromethane	8.804	129	9219	0.938	ug/l	93
56) 1,2-Dibromoethane	8.920	107	7579	0.939	ug/l	97
58) Tetrachloroethene	8.547	164	9721	0.925	ug/l	95
59) Chlorobenzene	9.444	112	23501	0.878	ug/l	92
60) 1,1,1,2-Tetrachloroethane	9.528	131	9733	0.945	ug/l	97
61) Pentachloroethane	11.422	117	7825	0.958	ug/l	99
62) Hexachloroethane	12.470	117	7353	0.905	ug/l	99
63) Ethyl Benzene	9.566	91	34191	1.034	ug/l	97
64) m/p-Xylenes	9.688	106	25425	2.015	ug/l	96
65) o-Xylene	10.097	106	12436	0.985	ug/l	92
66) Styrene	10.113	104	20263	1.028	ug/l	99
67) Bromoform	10.287	173	5403	0.933	ug/l	97
69) Isopropylbenzene	10.479	105	32837	1.011	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.778	83	11295	0.942	ug/l	99
71) 1,2,3-Trichloropropane	10.820	75	8584m	0.988	ug/l	
72) Bromobenzene	10.778	156	9439	0.869	ug/l	98
73) n-propylbenzene	10.904	120	8621	1.006	ug/l	97
74) 2-Chlorotoluene	10.981	126	8694	0.801	ug/l	97
75) 1,3,5-Trimethylbenzene	11.084	105	26472	1.000	ug/l	98
76) 4-Chlorotoluene	11.097	126	8238	0.976	ug/l	100
77) tert-Butylbenzene	11.415	119	28379	1.020	ug/l	93
78) 1,2,4-Trimethylbenzene	11.463	105	25518	1.014	ug/l	97
79) sec-Butylbenzene	11.640	105	36859	1.017	ug/l	100
80) Nitrobenzene	13.219	77	2418	4.334	ug/l #	63
81) p-Isopropyltoluene	11.788	119	26135	1.005	ug/l	98
82) 1,3-Dichlorobenzene	11.746	146	19443	0.884	ug/l	98
83) 1,4-Dichlorobenzene	11.833	146	18427	0.849	ug/l	97
84) n-Butylbenzene	12.206	91	25435	1.038	ug/l	94
85) 1,2-Dichlorobenzene	12.209	146	18449	0.864	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.991	75	1341	0.793	ug/l	87
87) 1,2,4-Trichlorobenzene	13.839	180	9316	0.833	ug/l	98
88) Hexachlorobutadiene	14.016	225	7075	0.961	ug/l	96
89) Naphthalene	14.090	128	14347	0.986	ug/l	97
90) 1,2,3-Trichlorobenzene	14.328	180	8784	1.034	ug/l	98

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

