

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU073024\
 Data File : VU060270.D
 Acq On : 30 Jul 2024 17:54
 Operator : MD/SY
 Sample : VSTDICC015
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC015

Quant Time: Jul 31 04:37:16 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	44372	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	16513	1.104	ug/l	0.00
Spiked Amount 1.000			Recovery	=	110.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	17413	1.084	ug/l	0.00
Spiked Amount 1.000			Recovery	=	108.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	252440	15.878	ug/l	97
3) Chloromethane	1.521	50	292350	15.284	ug/l	99
4) Vinyl Chloride	1.602	62	303671	16.404	ug/l	97
5) Bromomethane	1.840	94	178338	15.834	ug/l	99
6) Chloroethane	1.923	64	174960	15.719	ug/l	97
7) Trichlorofluoromethane	2.132	101	326824	15.620	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.573	101	183995	15.742	ug/l	99
9) 1,1-Dichloroethene	2.573	96	189189	15.883	ug/l	95
10) Iodomethane	2.714	142	238555	16.438	ug/l	99
11) Allyl Chloride	2.914	41	261030	15.149	ug/l	99
12) Acrylonitrile	3.306	53	108698	32.416	ug/l	99
13) Acetone	2.618	43	193191	74.511	ug/l	100
14) Carbon Disulfide	2.785	76	671726	15.966	ug/l	99
15) Methylene Chloride	3.036	84	228224	13.725	ug/l	99
16) trans-1,2-Dichloroethene	3.341	96	205864	15.670	ug/l	98
17) 1,1-Dichloroethane	3.856	63	396831	15.737	ug/l	99
18) 2-Butanone	4.711	43	308204	66.415	ug/l	100
19) Cyclohexane	5.367	56	361818m	15.873	ug/l	
20) Methylcyclohexane	6.753	83	329617	18.348	ug/l	99
21) 2,2-Dichloropropane	4.650	77	284730	15.183	ug/l	99
22) cis-1,2-Dichloroethene	4.653	96	217989	15.415	ug/l	98
23) Diethyl Ether	2.370	59	165812	16.260	ug/l	100
24) tert-Butyl Alcohol	3.184	59	184312	157.803	ug/l	100
25) Methyl tert-Butyl Ether	3.361	73	489673	16.014	ug/l	99
26) Bromochloromethane	4.965	128	84463	14.843	ug/l	98
27) Chloroform	5.078	83	376531	15.403	ug/l	99
28) 1,1,1-Trichloroethane	5.299	97	317930	15.781	ug/l	99
29) 1,1-Dichloropropene	5.508	75	266124	16.285	ug/l	99
30) Carbon Tetrachloride	5.505	117	262066	16.032	ug/l	99
31) Isopropyl Ether	3.991	45	615713	16.227	ug/l	100
32) Ethyl-t-butyl ether	4.505	59	576042	16.211	ug/l	100
33) Tert-Amyl methyl ether	5.946	73	452003	17.772	ug/l	100
34) Propionitrile	4.779	54	100900	76.302	ug/l	99
35) Benzene	5.762	78	836364	16.479	ug/l	100
36) 1,2-Dichloroethane	5.788	62	228798	15.612	ug/l	98
37) Trichloroethene	6.531	130	203860	16.289	ug/l	100
38) 1,2-Dichloropropane	6.785	63	229121	16.229	ug/l	98
39) Methacrylonitrile	4.971	41	76525	15.072	ug/l	98
40) Methyl acrylate	4.846	55	131049	15.713	ug/l	99
41) Tetrahydrofuran	5.061	42	79172	30.012	ug/l	96
42) 1-Chlorobutane	5.444	56	371970	16.158	ug/l	99
43) Dibromomethane	6.910	93	112802	16.134	ug/l	99
44) Bromodichloromethane	7.100	83	271072	16.222	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.795	43	649091	92.257	ug/l	100
46) t-1,4-Dichloro-2-butene	10.830	75	106678m	36.209	ug/l	
47) Methyl methacrylate	6.965	69	228235	37.355	ug/l	99
48) Ethyl methacrylate	8.335	69	202437	14.923	ug/l	100
49) Toluene	7.962	92	509053	18.078	ug/l	100
50) t-1,3-Dichloropropene	8.206	75	250481	17.791	ug/l	99
51) cis-1,3-Dichloropropene	7.602	75	291586	17.372	ug/l	98
52) 1,1,2-Trichloroethane	8.396	97	165309	16.366	ug/l	96
53) 1,3-Dichloropropane	8.569	76	281358	16.940	ug/l	99
54) 2-Hexanone	8.685	43	457926	87.203	ug/l	99
55) Dibromochloromethane	8.804	129	184277	16.613	ug/l	100
56) 1,2-Dibromoethane	8.917	107	151932	16.674	ug/l	99
58) Tetrachloroethene	8.547	164	195396	16.473	ug/l	98
59) Chlorobenzene	9.441	112	535479	17.717	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.528	131	190598	16.397	ug/l	100
61) Pentachloroethane	11.421	117	146056	15.843	ug/l	100
62) Hexachloroethane	12.470	117	156381	17.050	ug/l	100
63) Ethyl Benzene	9.566	91	958228	14.924	ug/l	100
64) m/p-Xylenes	9.688	106	748106	29.830	ug/l	99
65) o-Xylene	10.097	106	355841	14.925	ug/l	99
66) Styrene	10.110	104	606102	14.907	ug/l	100
67) Bromoform	10.283	173	107633	16.463	ug/l	99
69) Isopropylbenzene	10.479	105	925387	14.938	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.778	83	223148	16.482	ug/l	99
71) 1,2,3-Trichloropropane	10.820	75	165707m	16.906	ug/l	
72) Bromobenzene	10.778	156	215206	17.552	ug/l	99
73) n-propylbenzene	10.900	120	260224	14.934	ug/l	96
74) 2-Chlorotoluene	10.981	126	227474	18.567	ug/l	99
75) 1,3,5-Trimethylbenzene	11.084	105	812487	14.935	ug/l	99
76) 4-Chlorotoluene	11.093	126	235157	14.915	ug/l	99
77) tert-Butylbenzene	11.415	119	754576	14.951	ug/l	99
78) 1,2,4-Trimethylbenzene	11.463	105	833138	14.921	ug/l	99
79) sec-Butylbenzene	11.637	105	1044136	14.933	ug/l	100
80) Nitrobenzene	13.203	77	56627	89.919	ug/l	99
81) p-Isopropyltoluene	11.788	119	852230	14.926	ug/l	100
82) 1,3-Dichlorobenzene	11.740	146	441250	17.775	ug/l	98
83) 1,4-Dichlorobenzene	11.830	146	447313	18.265	ug/l	100
84) n-Butylbenzene	12.203	91	789488	14.932	ug/l	99
85) 1,2-Dichlorobenzene	12.206	146	428653	17.787	ug/l	100
86) 1,2-Dibromo-3-Chloropr...	12.990	75	33492	17.537	ug/l	97
87) 1,2,4-Trichlorobenzene	13.836	180	247867	19.635	ug/l	99
88) Hexachlorobutadiene	14.016	225	141180	16.996	ug/l	99
89) Naphthalene	14.084	128	478584	14.969	ug/l	99
90) 1,2,3-Trichlorobenzene	14.325	180	250017	14.936	ug/l	99

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

