

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU080524\
 Data File : VU060305.D
 Acq On : 05 Aug 2024 10:37
 Operator : MD/SY
 Sample : VSTDICC0.5
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC0.5

Quant Time: Aug 06 05:31:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U080524DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Aug 06 05:30:37 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/09/2024
 Supervised By :Semsettin Yesilyurt 08/09/2024

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

Internal Standards						
1) Fluorobenzene	6.107	96	32495	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	9389	0.848	ug/l	0.00
Spiked Amount 1.000			Recovery	=	85.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	10426	0.867	ug/l	0.00
Spiked Amount 1.000			Recovery	=	87.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	5625	0.450	ug/l	94
3) Chloromethane	1.522	50	7497	0.525	ug/l	98
4) Vinyl Chloride	1.602	62	6860	0.480	ug/l	94
5) Bromomethane	1.856	94	4627	0.527	ug/l	97
6) Chloroethane	1.927	64	4479	0.518	ug/l	98
7) Trichlorofluoromethane	2.129	101	8300	0.482	ug/l	95
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	4458	0.475	ug/l	94
9) 1,1-Dichloroethene	2.573	96	4819	0.496	ug/l	95
11) Allyl Chloride	2.917	41	6649	0.499	ug/l	91
12) Acrylonitrile	3.316	53	2546	1.003	ug/l	89
13) Acetone	2.641	43	9696	2.987	ug/l	89
14) Carbon Disulfide	2.785	76	16499	0.501	ug/l	99
15) Methylene Chloride	3.033	84	6537	0.538	ug/l	90
16) trans-1,2-Dichloroethene	3.345	96	5359	0.515	ug/l	98
17) 1,1-Dichloroethane	3.859	63	9819	0.491	ug/l	97
18) 2-Butanone	4.724	43	10665	2.994	ug/l	98
19) Cyclohexane	5.374	56	7967m	0.462	ug/l	
20) Methylcyclohexane	6.753	83	5734	0.419	ug/l	96
21) 2,2-Dichloropropane	4.650	77	8027	0.515	ug/l	99
22) cis-1,2-Dichloroethene	4.657	96	5644	0.506	ug/l	98
23) Diethyl Ether	2.374	59	3838	0.486	ug/l	# 90
25) Methyl tert-Butyl Ether	3.367	73	11607	0.487	ug/l	# 91
26) Bromochloromethane	4.962	128	2397	0.508	ug/l	95
27) Chloroform	5.078	83	9614	0.491	ug/l	96
28) 1,1,1-Trichloroethane	5.306	97	7686	0.472	ug/l	98
29) 1,1-Dichloropropene	5.515	75	6751	0.518	ug/l	# 78
30) Carbon Tetrachloride	5.509	117	6169	0.465	ug/l	96
31) Isopropyl Ether	3.997	45	14538	0.497	ug/l	97
32) Ethyl-t-butyl ether	4.505	59	13568	0.480	ug/l	99
33) Tert-Amyl methyl ether	5.946	73	8812	0.439	ug/l	96
34) Propionitrile	4.795	54	2506m	2.500	ug/l	
35) Benzene	5.763	78	19067	0.475	ug/l	98
36) 1,2-Dichloroethane	5.788	62	5279	0.473	ug/l	# 84
37) Trichloroethene	6.538	130	4829	0.486	ug/l	92
38) 1,2-Dichloropropane	6.792	63	5160	0.475	ug/l	97
39) Methacrylonitrile	4.981	41	2026	0.550	ug/l	# 87
40) Methyl acrylate	4.853	55	3290m	0.510	ug/l	
41) Tetrahydrofuran	5.071	42	2346	1.169	ug/l	# 66
42) 1-Chlorobutane	5.448	56	8776	0.488	ug/l	95
43) Dibromomethane	6.914	93	2549	0.464	ug/l	96
44) Bromodichloromethane	7.100	83	6369	0.483	ug/l	# 97
45) 4-Methyl-2-Pentanone	7.801	43	11358	2.201	ug/l	94
46) t-1,4-Dichloro-2-butene	10.830	75	2282m	0.808	ug/l	

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47) Methyl methacrylate	6.972	69	3151	0.707	ug/l	96
48) Ethyl methacrylate	8.338	69	2949	0.389	ug/l	98
49) Toluene	7.965	92	8879	0.399	ug/l	95
50) t-1,3-Dichloropropene	8.210	75	4504	0.413	ug/l	100
51) cis-1,3-Dichloropropene	7.605	75	5633	0.430	ug/l	92
52) 1,1,2-Trichloroethane	8.396	97	3771	0.467	ug/l	94
53) 1,3-Dichloropropane	8.570	76	5731	0.445	ug/l	95
54) 2-Hexanone	8.692	43	9593	2.398	ug/l	90
55) Dibromochloromethane	8.804	129	4122	0.466	ug/l	98
56) 1,2-Dibromoethane	8.920	107	3573	0.494	ug/l	95
58) Tetrachloroethene	8.547	164	3871	0.436	ug/l	93
59) Chlorobenzene	9.444	112	10066	0.417	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.531	131	4430	0.466	ug/l	96
61) Pentachloroethane	11.418	117	3854	0.475	ug/l	95
62) Hexachloroethane	12.467	117	3358	0.428	ug/l	94
63) Ethyl Benzene	9.566	91	13979	0.657	ug/l	97
64) m/p-Xylenes	9.689	106	10404	1.431	ug/l	98
65) o-Xylene	10.097	106	5089	0.719	ug/l	99
66) Styrene	10.113	104	7884	0.719	ug/l	97
67) Bromoform	10.287	173	2300	0.444	ug/l #	96
69) Isopropylbenzene	10.480	105	12861	0.744	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.775	83	5272	0.491	ug/l #	97
71) 1,2,3-Trichloropropane	10.820	75	3408m	0.444	ug/l	
72) Bromobenzene	10.782	156	4068	0.411	ug/l	97
73) n-propylbenzene	10.901	120	3495	0.743	ug/l	97
74) 2-Chlorotoluene	10.981	126	3229	0.587	ug/l	88
75) 1,3,5-Trimethylbenzene	11.084	105	10617	0.707	ug/l	100
76) 4-Chlorotoluene	11.090	126	3430	0.611	ug/l	97
77) tert-Butylbenzene	11.415	119	10901	0.717	ug/l	97
78) 1,2,4-Trimethylbenzene	11.463	105	9544	0.711	ug/l	97
79) sec-Butylbenzene	11.637	105	13362	0.695	ug/l	100
80) Nitrobenzene	13.225	77	931	1.935	ug/l #	92
81) p-Isopropyltoluene	11.788	119	10503	0.748	ug/l	97
82) 1,3-Dichlorobenzene	11.743	146	7975	0.386	ug/l	96
83) 1,4-Dichlorobenzene	11.833	146	7495	0.365	ug/l	96
84) n-Butylbenzene	12.206	91	10933	0.716	ug/l	97
85) 1,2-Dichlorobenzene	12.206	146	7975	0.399	ug/l	96
86) 1,2-Dibromo-3-Chloropr...	12.994	75	760	0.488	ug/l #	79
87) 1,2,4-Trichlorobenzene	13.840	180	4575	0.400	ug/l	98
88) Hexachlorobutadiene	14.016	225	3236	0.438	ug/l	93
90) 1,2,3-Trichlorobenzene	14.328	180	4526	0.406	ug/l	95

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

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