Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021225\
Data File : VU063251.D
Acq On : 12 Feb 2025 12:56
Operator : MD/SY
Sample : VU0212WBS01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 13 03:10:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U021025DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Feb 11 08:42:19 2025
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VU0212WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.103	96	51131	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	17337	1.028	ug/l	0.00
Spiked Amount 1.000			Recovery = 103.000%			
68) 1,2-Dichlorobenzene-d4	12.187	152	17238	0.983	ug/l	0.00
Spiked Amount 1.000			Recovery = 98.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.377	85	32874	1.979	ug/l	95
3) Chloromethane	1.515	50	37771	1.974	ug/l	97
4) Vinyl Chloride	1.599	62	36923	1.951	ug/l	98
5) Bromomethane	1.824	94	20801	2.249	ug/l	98
6) Chloroethane	1.911	64	23326	1.956	ug/l	97
7) Trichlorofluoromethane	2.123	101	44667	1.991	ug/l	95
8) 1,1,2-Trichloro-1,2,2-...	2.563	101	25640	2.014	ug/l	98
9) 1,1-Dichloroethene	2.567	96	25934	1.999	ug/l	98
10) Iodomethane	2.708	142	41607	2.040	ug/l	100
11) Allyl Chloride	2.907	41	36781	1.974	ug/l	99
12) Acrylonitrile	3.316	53	12135	4.056	ug/l	93
13) Acetone	2.615	43	23779	10.336	ug/l	95
14) Carbon Disulfide	2.779	76	85777	1.891	ug/l	97
15) Methylene Chloride	3.030	84	31815	1.985	ug/l	95
16) trans-1,2-Dichloroethene	3.338	96	29107	1.966	ug/l	94
17) 1,1-Dichloroethane	3.850	63	55417	1.986	ug/l	99
18) 2-Butanone	4.702	43	32440	8.860	ug/l	97
19) Cyclohexane	5.374	56	42779m	1.908	ug/l	
20) Methylcyclohexane	6.750	83	44086	1.983	ug/l	98
21) 2,2-Dichloropropane	4.647	77	43300	1.989	ug/l	99
22) cis-1,2-Dichloroethene	4.653	96	31577	1.974	ug/l	99
23) Diethyl Ether	2.364	59	21191	1.904	ug/l	99
24) tert-Butyl Alcohol	3.174	59	29904	21.171	ug/l #	93
25) Methyl tert-Butyl Ether	3.348	73	63104	1.948	ug/l	97
26) Bromochloromethane	4.959	128	14144	2.023	ug/l	98
27) Chloroform	5.075	83	57173	2.030	ug/l	99
28) 1,1,1-Trichloroethane	5.300	97	45409	1.990	ug/l	98
29) 1,1-Dichloropropene	5.515	75	40742	1.994	ug/l	99
30) Carbon Tetrachloride	5.509	117	37714	1.928	ug/l	99
31) Isopropyl Ether	3.975	45	76353	1.916	ug/l	96
32) Ethyl-t-butyl ether	4.483	59	68833	1.900	ug/l	100
33) Tert-Amyl methyl ether	5.927	73	61563	1.945	ug/l	99
34) Propionitrile	4.772	54	11521m	10.432	ug/l	
35) Benzene	5.763	78	125217	1.993	ug/l	99
36) 1,2-Dichloroethane	5.782	62	36496	2.013	ug/l	100
37) Trichloroethene	6.534	130	30224	2.023	ug/l	93
38) 1,2-Dichloropropane	6.779	63	32315	1.965	ug/l	98
39) Methacrylonitrile	4.972	41	8096	1.967	ug/l	93
40) Methyl acrylate	4.853	55	15111m	1.992	ug/l	
41) Tetrahydrofuran	5.049	42	9062	3.786	ug/l	95
42) 1-Chlorobutane	5.444	56	54007	1.932	ug/l	99
43) Dibromomethane	6.907	93	16622	1.996	ug/l	96
44) Bromodichloromethane	7.094	83	39273	2.026	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.782	43	83073	9.516	ug/l	98
46) t-1,4-Dichloro-2-butene	10.820	75	16859m	4.108	ug/l	
47) Methyl methacrylate	6.956	69	27267	3.888	ug/l	98
48) Ethyl methacrylate	8.325	69	25396	1.928	ug/l	98
49) Toluene	7.959	92	71512	1.979	ug/l	99
50) t-1,3-Dichloropropene	8.203	75	34712	1.956	ug/l	99
51) cis-1,3-Dichloropropene	7.599	75	42816	1.953	ug/l	98
52) 1,1,2-Trichloroethane	8.390	97	22745	2.026	ug/l	98
53) 1,3-Dichloropropane	8.566	76	39631	1.988	ug/l	99
54) 2-Hexanone	8.679	43	53643	9.005	ug/l	99
55) Dibromochloromethane	8.798	129	25441	1.970	ug/l	97
56) 1,2-Dibromoethane	8.914	107	20372	1.935	ug/l	97
58) Tetrachloroethene	8.544	164	25526	2.073	ug/l	98
59) Chlorobenzene	9.438	112	75420	1.978	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.525	131	27395	1.999	ug/l	99
61) Pentachloroethane	11.415	117	23808	1.945	ug/l	93
62) Hexachloroethane	12.463	117	20151	1.861	ug/l	100
63) Ethyl Benzene	9.560	91	124557	1.894	ug/l	98
64) m/p-Xylenes	9.685	106	96092	3.912	ug/l	99
65) o-Xylene	10.090	106	48728	2.027	ug/l	95
66) Styrene	10.107	104	73539	1.922	ug/l	100
67) Bromoform	10.283	173	14014	1.912	ug/l	96
69) Isopropylbenzene	10.473	105	110230	1.950	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.772	83	29840	1.972	ug/l	99
71) 1,2,3-Trichloropropane	10.814	75	23230m	2.043	ug/l	
72) Bromobenzene	10.775	156	29771	1.955	ug/l	98
73) n-propylbenzene	10.897	120	31267	1.932	ug/l	99
74) 2-Chlorotoluene	10.978	126	30285	2.030	ug/l	98
75) 1,3,5-Trimethylbenzene	11.078	105	102401	1.955	ug/l	99
76) 4-Chlorotoluene	11.090	126	30015	1.962	ug/l	99
77) tert-Butylbenzene	11.409	119	103577	1.955	ug/l	99
78) 1,2,4-Trimethylbenzene	11.460	105	100810	1.940	ug/l	100
79) sec-Butylbenzene	11.634	105	133023	1.972	ug/l	100
80) Nitrobenzene	13.229	77	2781m	9.568	ug/l	
81) p-Isopropyltoluene	11.785	119	104011	1.954	ug/l	100
82) 1,3-Dichlorobenzene	11.737	146	57876	1.959	ug/l	99
83) 1,4-Dichlorobenzene	11.830	146	57047	1.974	ug/l	99
84) n-Butylbenzene	12.200	91	88658	1.858	ug/l	99
85) 1,2-Dichlorobenzene	12.203	146	56355	1.985	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.991	75	3704	1.744	ug/l	91
87) 1,2,4-Trichlorobenzene	13.836	180	24294	1.755	ug/l	99
88) Hexachlorobutadiene	14.010	225	20391	2.061	ug/l	98
89) Naphthalene	14.084	128	31946	1.689	ug/l	98
90) 1,2,3-Trichlorobenzene	14.325	180	21647	1.598	ug/l	98

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

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