Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021225\
Data File : VU063259.D
Acq On : 12 Feb 2025 17:09
Operator : MD/SY
Sample : Q1168-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Feb 13 03:51:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U021025DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Feb 13 03:48:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2025

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	6.107	96	47736	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	15074	0.957	ug/l	0.00
Spiked Amount 1.000			Recovery =	96.000%		
68) 1,2-Dichlorobenzene-d4	12.184	152	16216	0.990	ug/l	0.00
Spiked Amount 1.000			Recovery =	99.000%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.380	85	16173	1.043	ug/l	96
3) Chloromethane	1.518	50	19778	1.107	ug/l	96
4) Vinyl Chloride	1.599	62	19003	1.075	ug/l	98
5) Bromomethane	1.843	94	10744	1.244	ug/l	94
6) Chloroethane	1.923	64	11845	1.064	ug/l	99
7) Trichlorofluoromethane	2.129	101	23132	1.105	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.570	101	13366	1.124	ug/l	97
9) 1,1-Dichloroethene	2.570	96	12961	1.070	ug/l	94
10) Iodomethane	2.711	142	21014	1.104	ug/l	99
11) Allyl Chloride	2.911	41	17826	1.025	ug/l	95
12) Acrylonitrile	3.325	53	5997	2.147	ug/l	93
13) Acetone	2.618	43	11860	5.522	ug/l	100
14) Carbon Disulfide	2.782	76	44176	1.043	ug/l	96
15) Methylene Chloride	3.033	84	17236	1.152	ug/l	95
16) trans-1,2-Dichloroethene	3.345	96	14801	1.071	ug/l	98
17) 1,1-Dichloroethane	3.856	63	28289	1.086	ug/l	99
18) 2-Butanone	4.714	43	16436	4.808	ug/l	99
19) Cyclohexane	5.373	56	20302m	0.970	ug/l	
20) Methylcyclohexane	6.753	83	20880	1.006	ug/l	99
21) 2,2-Dichloropropane	4.647	77	20682	1.018	ug/l	98
22) cis-1,2-Dichloroethene	4.656	96	15476	1.036	ug/l	98
23) Diethyl Ether	2.367	59	10946	1.053	ug/l	96
24) tert-Butyl Alcohol	3.168	59	16671	13.188	ug/l #	88
25) Methyl tert-Butyl Ether	3.348	73	31443	1.040	ug/l	98
26) Bromochloromethane	4.965	128	7097	1.087	ug/l	97
27) Chloroform	5.078	83	27818	1.058	ug/l	96
28) 1,1,1-Trichloroethane	5.303	97	23472	1.102	ug/l	97
29) 1,1-Dichloropropene	5.518	75	20617	1.081	ug/l	97
30) Carbon Tetrachloride	5.512	117	18870	1.033	ug/l	100
31) Isopropyl Ether	3.981	45	36096	0.970	ug/l	88
32) Ethyl-t-butyl ether	4.489	59	33416	0.988	ug/l	98
33) Tert-Amyl methyl ether	5.927	73	29629	1.003	ug/l	99
34) Propionitrile	4.785	54	5495m	5.330	ug/l	
35) Benzene	5.763	78	62014	1.057	ug/l	99
36) 1,2-Dichloroethane	5.785	62	17657	1.043	ug/l	100
37) Trichloroethene	6.534	130	14949	1.072	ug/l	92
38) 1,2-Dichloropropane	6.779	63	15791	1.029	ug/l	95
39) Methacrylonitrile	4.981	41	3443m	0.896	ug/l	
40) Methyl acrylate	4.869	55	7298m	1.031	ug/l	
41) Tetrahydrofuran	5.052	42	4584	2.051	ug/l	92
42) 1-Chlorobutane	5.447	56	25293	0.969	ug/l	96
43) Dibromomethane	6.914	93	8397	1.080	ug/l	97
44) Bromodichloromethane	7.097	83	19486	1.077	ug/l	99

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Feb 13 03:48:32 2025
Response via : Initial Calibration

Instrument :
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	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45)	4-Methyl-2-Pentanone	7.782	43	39735	4.875	ug/l		99
46)	t-1,4-Dichloro-2-butene	10.820	75	7638m	1.994	ug/l		
47)	Methyl methacrylate	6.959	69	12774m	1.951	ug/l		
48)	Ethyl methacrylate	8.328	69	11464m	0.932	ug/l		
49)	Toluene	7.962	92	34150	1.012	ug/l		99
50)	t-1,3-Dichloropropene	8.203	75	16220	0.979	ug/l		99
51)	cis-1,3-Dichloropropene	7.598	75	21515	1.051	ug/l		96
52)	1,1,2-Trichloroethane	8.389	97	11213	1.070	ug/l		99
53)	1,3-Dichloropropane	8.566	76	20682	1.111	ug/l		91
54)	2-Hexanone	8.679	43	25840	4.646	ug/l		88
55)	Dibromochloromethane	8.801	129	12790	1.061	ug/l		95
56)	1,2-Dibromoethane	8.917	107	10509	1.069	ug/l		97
58)	Tetrachloroethene	8.544	164	12984	1.130	ug/l		97
59)	Chlorobenzene	9.441	112	37294	1.048	ug/l		99
60)	1,1,1,2-Tetrachloroethane	9.524	131	13790	1.078	ug/l		98
61)	Pentachloroethane	11.418	117	11930	1.044	ug/l		94
62)	Hexachloroethane	12.463	117	10466	1.035	ug/l		99
63)	Ethyl Benzene	9.560	91	57872	0.943	ug/l		98
64)	m/p-Xylenes	9.685	106	42769	1.865	ug/l		99
65)	o-Xylene	10.090	106	21013	0.936	ug/l		99
66)	Styrene	10.106	104	32834	0.919	ug/l		98
67)	Bromoform	10.280	173	7120	1.040	ug/l		100
69)	Isopropylbenzene	10.473	105	50349	0.954	ug/l		100
70)	1,1,2,2-Tetrachloroethane	10.772	83	14730	1.043	ug/l		96
71)	1,2,3-Trichloropropane	10.814	75	11843m	1.116	ug/l		
72)	Bromobenzene	10.775	156	14893	1.047	ug/l		84
73)	n-propylbenzene	10.897	120	14094	0.933	ug/l		98
74)	2-Chlorotoluene	10.978	126	14035	1.008	ug/l		98
75)	1,3,5-Trimethylbenzene	11.077	105	42795	0.875	ug/l		97
76)	4-Chlorotoluene	11.090	126	13945	0.977	ug/l		93
77)	tert-Butylbenzene	11.409	119	47399	0.958	ug/l		99
78)	1,2,4-Trimethylbenzene	11.460	105	41953	0.865	ug/l		100
79)	sec-Butylbenzene	11.634	105	59759	0.949	ug/l		99
80)	Nitrobenzene	13.228	77	1225	3.646	ug/l	#	67
81)	p-Isopropyltoluene	11.785	119	44367	0.893	ug/l		98
82)	1,3-Dichlorobenzene	11.740	146	28090	1.018	ug/l		98
83)	1,4-Dichlorobenzene	11.830	146	26309	0.975	ug/l		96
84)	n-Butylbenzene	12.200	91	38724	0.869	ug/l		98
85)	1,2-Dichlorobenzene	12.203	146	26693	1.007	ug/l		97
86)	1,2-Dibromo-3-Chloropr...	12.987	75	1864	0.940	ug/l		95
87)	1,2,4-Trichlorobenzene	13.836	180	12103	0.936	ug/l		98
88)	Hexachlorobutadiene	14.010	225	9851	1.066	ug/l		98
89)	Naphthalene	14.087	128	16542m	0.794	ug/l		
90)	1,2,3-Trichlorobenzene	14.325	180	11298	0.893	ug/l		97

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

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