Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021225\
Data File : VU063257.D
Acq On : 12 Feb 2025 16:20
Operator : MD/SY
Sample : Q1168-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 13 03:50:16 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 :
MDL-WATER-03-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	47540	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	14502	0.925	ug/l	0.00
Spiked Amount 1.000			Recovery =	92.000%		
68) 1,2-Dichlorobenzene-d4	12.187	152	15122	0.927	ug/l	0.00
Spiked Amount 1.000			Recovery =	93.000%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.380	85	11321	0.733	ug/l	88
3) Chloromethane	1.518	50	14311	0.805	ug/l	100
4) Vinyl Chloride	1.599	62	13713	0.779	ug/l	96
5) Bromomethane	1.846	94	7930	0.922	ug/l	95
6) Chloroethane	1.923	64	8676	0.783	ug/l	91
7) Trichlorofluoromethane	2.129	101	16258	0.780	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.570	101	9216	0.779	ug/l	96
9) 1,1-Dichloroethene	2.570	96	9191	0.762	ug/l	95
10) Iodomethane	2.711	142	14670	0.774	ug/l	99
11) Allyl Chloride	2.914	41	12821	0.740	ug/l	97
12) Acrylonitrile	3.322	53	4247m	1.527	ug/l	
13) Acetone	2.618	43	8612	4.026	ug/l	98
14) Carbon Disulfide	2.782	76	32569	0.772	ug/l	100
15) Methylene Chloride	3.033	84	12341	0.828	ug/l	98
16) trans-1,2-Dichloroethene	3.345	96	11156	0.810	ug/l	98
17) 1,1-Dichloroethane	3.856	63	20754	0.800	ug/l	96
18) 2-Butanone	4.724	43	13836m	4.064	ug/l	
19) Cyclohexane	5.373	56	13845m	0.664	ug/l	
20) Methylcyclohexane	6.753	83	13827	0.669	ug/l	95
21) 2,2-Dichloropropane	4.650	77	15896	0.785	ug/l	96
22) cis-1,2-Dichloroethene	4.656	96	11134	0.749	ug/l	99
23) Diethyl Ether	2.367	59	7836	0.757	ug/l	98
24) tert-Butyl Alcohol	3.174	59	13440	10.676	ug/l #	85
25) Methyl tert-Butyl Ether	3.351	73	21946	0.729	ug/l	95
26) Bromochloromethane	4.962	128	5197	0.799	ug/l	93
27) Chloroform	5.078	83	19986	0.763	ug/l	98
28) 1,1,1-Trichloroethane	5.303	97	16332	0.770	ug/l	99
29) 1,1-Dichloropropene	5.518	75	13477	0.709	ug/l	98
30) Carbon Tetrachloride	5.512	117	13742	0.755	ug/l	98
31) Isopropyl Ether	3.978	45	25928	0.700	ug/l	95
32) Ethyl-t-butyl ether	4.486	59	23884	0.709	ug/l	99
33) Tert-Amyl methyl ether	5.930	73	20686	0.703	ug/l	98
34) Propionitrile	4.791	54	3218	3.134	ug/l #	92
35) Benzene	5.762	78	44222	0.757	ug/l	98
36) 1,2-Dichloroethane	5.788	62	12962	0.769	ug/l	97
37) Trichloroethene	6.534	130	10767	0.775	ug/l	97
38) 1,2-Dichloropropane	6.782	63	11842	0.775	ug/l	94
39) Methacrylonitrile	4.988	41	2529m	0.661	ug/l	
40) Methyl acrylate	4.878	55	4984m	0.707	ug/l	
41) Tetrahydrofuran	5.062	42	3431	1.542	ug/l #	61
42) 1-Chlorobutane	5.451	56	19187	0.738	ug/l	95
43) Dibromomethane	6.914	93	5766	0.745	ug/l	97
44) Bromodichloromethane	7.097	83	14341	0.796	ug/l	98

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	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
45)	4-Methyl-2-Pentanone	7.782	43	27474	3.385 ug/l	97
46)	t-1,4-Dichloro-2-butene	10.820	75	5886m	1.543 ug/l	
47)	Methyl methacrylate	6.959	69	8507m	1.305 ug/l	
48)	Ethyl methacrylate	8.328	69	8373	0.684 ug/l	96
49)	Toluene	7.962	92	23665	0.704 ug/l	98
50)	t-1,3-Dichloropropene	8.206	75	11681	0.708 ug/l	90
51)	cis-1,3-Dichloropropene	7.598	75	14643	0.719 ug/l	94
52)	1,1,2-Trichloroethane	8.393	97	8101	0.776 ug/l	95
53)	1,3-Dichloropropane	8.566	76	13728	0.741 ug/l	97
54)	2-Hexanone	8.682	43	18298m	3.304 ug/l	
55)	Dibromochloromethane	8.801	129	8769	0.730 ug/l	97
56)	1,2-Dibromoethane	8.917	107	7011	0.716 ug/l	95
58)	Tetrachloroethene	8.544	164	9267	0.809 ug/l	96
59)	Chlorobenzene	9.441	112	26753	0.755 ug/l	96
60)	1,1,1,2-Tetrachloroethane	9.521	131	9795	0.769 ug/l	99
61)	Pentachloroethane	11.415	117	8890	0.781 ug/l	92
62)	Hexachloroethane	12.466	117	7275	0.722 ug/l	96
63)	Ethyl Benzene	9.563	91	39058	0.639 ug/l	96
64)	m/p-Xylenes	9.685	106	28951	1.268 ug/l	99
65)	o-Xylene	10.093	106	14802	0.662 ug/l	97
66)	Styrene	10.110	104	22217	0.624 ug/l	98
67)	Bromoform	10.280	173	5118	0.751 ug/l	99
69)	Isopropylbenzene	10.476	105	34206	0.651 ug/l	98
70)	1,1,2,2-Tetrachloroethane	10.772	83	10757	0.765 ug/l	97
71)	1,2,3-Trichloropropane	10.814	75	8454m	0.800 ug/l	
72)	Bromobenzene	10.775	156	10174	0.718 ug/l	83
73)	n-propylbenzene	10.897	120	9937	0.660 ug/l	95
74)	2-Chlorotoluene	10.978	126	9418	0.679 ug/l	99
75)	1,3,5-Trimethylbenzene	11.077	105	29332	0.602 ug/l	100
76)	4-Chlorotoluene	11.090	126	9145	0.643 ug/l	87
77)	tert-Butylbenzene	11.409	119	32417	0.658 ug/l	100
78)	1,2,4-Trimethylbenzene	11.460	105	28546	0.591 ug/l	100
79)	sec-Butylbenzene	11.634	105	39461	0.629 ug/l	99
80)	Nitrobenzene	13.251	77	887m	2.651 ug/l	
81)	p-Isopropyltoluene	11.785	119	29502	0.596 ug/l	99
82)	1,3-Dichlorobenzene	11.740	146	18973	0.691 ug/l	96
83)	1,4-Dichlorobenzene	11.830	146	18211	0.678 ug/l	99
84)	n-Butylbenzene	12.203	91	26243	0.591 ug/l	99
85)	1,2-Dichlorobenzene	12.206	146	18429	0.698 ug/l	97
86)	1,2-Dibromo-3-Chloropr...	12.994	75	1204	0.610 ug/l	91
87)	1,2,4-Trichlorobenzene	13.839	180	7837	0.609 ug/l	96
88)	Hexachlorobutadiene	14.010	225	6982	0.759 ug/l	96
89)	Naphthalene	14.093	128	10651m	0.514 ug/l	
90)	1,2,3-Trichlorobenzene	14.325	180	7491	0.595 ug/l	97

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

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