Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021125\
Data File : VU063242.D
Acq On : 11 Feb 2025 17:50
Operator : MD/SY
Sample : Q1168-07
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Feb 12 04:10:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U021025DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Feb 12 04:10:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT1-2025

Manual Integrations APPROVED

Reviewed By :Amit Patel 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.103	96	48917	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	14551	0.902	ug/l	0.00
Spiked Amount 1.000			Recovery = 90.000%			
68) 1,2-Dichlorobenzene-d4	12.187	152	14697	0.876	ug/l	0.00
Spiked Amount 1.000			Recovery = 88.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.377	85	3925	0.247	ug/l	100
3) Chloromethane	1.518	50	5621	0.307	ug/l	97
4) Vinyl Chloride	1.599	62	5055	0.279	ug/l	97
5) Bromomethane	1.843	94	2982	0.337	ug/l	93
6) Chloroethane	1.923	64	2990	0.262	ug/l	98
7) Trichlorofluoromethane	2.129	101	6126	0.285	ug/l	90
8) 1,1,2-Trichloro-1,2,2-...	2.567	101	3252	0.267	ug/l	98
9) 1,1-Dichloroethene	2.570	96	3356	0.270	ug/l	96
10) Iodomethane	2.711	142	4621	0.237	ug/l	96
11) Allyl Chloride	2.917	41	4708	0.264	ug/l	94
12) Acrylonitrile	3.348	53	944m	0.330	ug/l	
13) Acetone	2.618	43	3333	1.514	ug/l #	87
14) Carbon Disulfide	2.782	76	12416	0.286	ug/l	99
15) Methylene Chloride	3.030	84	4504	0.294	ug/l	91
16) trans-1,2-Dichloroethene	3.345	96	3658	0.258	ug/l	92
17) 1,1-Dichloroethane	3.856	63	7535	0.282	ug/l #	91
18) 2-Butanone	4.743	43	4387m	1.252	ug/l	
19) Cyclohexane	5.377	56	4809	0.224	ug/l	96
20) Methylcyclohexane	6.750	83	4762	0.224	ug/l	91
21) 2,2-Dichloropropane	4.650	77	5426	0.261	ug/l	98
22) cis-1,2-Dichloroethene	4.666	96	3672	0.240	ug/l	94
23) Diethyl Ether	2.367	59	2602	0.244	ug/l	96
24) tert-Butyl Alcohol	3.171	59	9855	7.608	ug/l #	80
25) Methyl tert-Butyl Ether	3.354	73	7772	0.251	ug/l	97
26) Bromochloromethane	4.968	128	1747	0.261	ug/l	96
27) Chloroform	5.078	83	7044	0.261	ug/l	90
28) 1,1,1-Trichloroethane	5.300	97	5252	0.241	ug/l	97
29) 1,1-Dichloropropene	5.521	75	4732	0.242	ug/l	98
30) Carbon Tetrachloride	5.509	117	4583	0.245	ug/l	91
31) Isopropyl Ether	3.985	45	8977	0.236	ug/l	94
32) Ethyl-t-butyl ether	4.486	59	8602	0.248	ug/l	95
33) Tert-Amyl methyl ether	5.930	73	7075	0.234	ug/l	96
34) Propionitrile	4.811	54	811m	0.768	ug/l	
35) Benzene	5.769	78	15543	0.259	ug/l	99
36) 1,2-Dichloroethane	5.785	62	4594	0.265	ug/l #	86
37) Trichloroethene	6.534	130	3952	0.276	ug/l	85
38) 1,2-Dichloropropane	6.785	63	3750	0.238	ug/l	99
39) Methacrylonitrile	4.991	41	799m	0.203	ug/l	
41) Tetrahydrofuran	5.065	42	1403	0.613	ug/l #	65
42) 1-Chlorobutane	5.454	56	5951	0.222	ug/l	87
43) Dibromomethane	6.914	93	2163	0.272	ug/l	88
44) Bromodichloromethane	7.097	83	4907	0.265	ug/l #	99
45) 4-Methyl-2-Pentanone	7.788	43	9127	1.093	ug/l #	94

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U021025DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) t-1,4-Dichloro-2-butene	10.827	75	1547m	0.394	ug/l		
47) Methyl methacrylate	6.972	69	2566m	0.382	ug/l		
49) Toluene	7.962	92	7772	0.225	ug/l		97
50) t-1,3-Dichloropropene	8.209	75	4064	0.239	ug/l		94
51) cis-1,3-Dichloropropene	7.605	75	5244	0.250	ug/l		95
52) 1,1,2-Trichloroethane	8.393	97	2847	0.265	ug/l	#	85
53) 1,3-Dichloropropane	8.570	76	4881	0.256	ug/l		96
54) 2-Hexanone	8.688	43	5838m	1.024	ug/l		
55) Dibromochloromethane	8.804	129	3029	0.245	ug/l		95
56) 1,2-Dibromoethane	8.920	107	2598	0.258	ug/l		94
58) Tetrachloroethene	8.544	164	2808	0.238	ug/l		91
59) Chlorobenzene	9.441	112	8939	0.245	ug/l		95
60) 1,1,1,2-Tetrachloroethane	9.521	131	3236	0.247	ug/l		93
61) Pentachloroethane	11.422	117	3009	0.257	ug/l		89
62) Hexachloroethane	12.463	117	2270	0.219	ug/l		90
63) Ethyl Benzene	9.566	91	13241	0.210	ug/l		98
64) m/p-Xylenes	9.688	106	9440	0.402	ug/l		91
65) o-Xylene	10.097	106	4739	0.206	ug/l		98
67) Bromoform	10.287	173	1627	0.232	ug/l	#	94
69) Isopropylbenzene	10.476	105	10962	0.203	ug/l		97
70) 1,1,2,2-Tetrachloroethane	10.775	83	3271	0.226	ug/l	#	98
71) 1,2,3-Trichloropropane	10.814	75	2816m	0.259	ug/l		
72) Bromobenzene	10.778	156	3636	0.250	ug/l		88
73) n-propylbenzene	10.901	120	3467	0.224	ug/l		81
76) 4-Chlorotoluene	11.094	126	3200	0.219	ug/l		88
82) 1,3-Dichlorobenzene	11.746	146	6507	0.230	ug/l		98
83) 1,4-Dichlorobenzene	11.833	146	6113	0.221	ug/l		92
84) n-Butylbenzene	12.203	91	9671	0.212	ug/l		95
85) 1,2-Dichlorobenzene	12.209	146	6384	0.235	ug/l		97
88) Hexachlorobutadiene	14.013	225	2817	0.298	ug/l		94
89) Naphthalene	14.097	128	5196m	0.243	ug/l		
90) 1,2,3-Trichlorobenzene	14.328	180	5846	0.451	ug/l		97

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

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