Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062425\
Data File : VU063444.D
Acq On : 24 Jun 2025 18:25
Operator : MD/SY
Sample : Q2126-07
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT2-2025

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

Quant Time: Jun 25 03:12:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Jun 25 03:09:53 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.103	96	46683	1.000	ug/l		# 0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.627	95	13946	0.814	ug/l		0.00
Spiked Amount 1.000			Recovery = 81.000%				
68) 1,2-Dichlorobenzene-d4	12.190	152	13843	0.804	ug/l		0.00
Spiked Amount 1.000			Recovery = 80.000%				
Target Compounds							Qvalue
3) Chloromethane	1.518	50	5461	0.231	ug/l		100
5) Bromomethane	1.846	94	2707	0.279	ug/l		99
7) Trichlorofluoromethane	2.126	101	4716	0.204	ug/l		91
9) 1,1-Dichloroethene	2.563	96	2924	0.239	ug/l		95
11) Allyl Chloride	2.907	41	5243	0.240	ug/l		96
12) Acrylonitrile	3.309	53	1641	0.463	ug/l	#	85
13) Acetone	2.621	43	3547	0.999	ug/l		92
14) Carbon Disulfide	2.776	76	9929	0.232	ug/l		97
15) Methylene Chloride	3.030	84	4245	0.273	ug/l		97
16) trans-1,2-Dichloroethene	3.335	96	3370	0.244	ug/l		92
17) 1,1-Dichloroethane	3.850	63	6928	0.239	ug/l		99
18) 2-Butanone	4.727	43	5664	1.146	ug/l		91
19) Cyclohexane	5.354	56	4508	0.206	ug/l		97
21) 2,2-Dichloropropane	4.647	77	4752	0.231	ug/l	#	88
22) cis-1,2-Dichloroethene	4.653	96	3623	0.241	ug/l		91
24) tert-Butyl Alcohol	3.203	59	3491	2.996	ug/l	#	87
25) Methyl tert-Butyl Ether	3.364	73	7349	0.220	ug/l	#	88
26) Bromochloromethane	4.952	128	1236m	0.211	ug/l		
27) Chloroform	5.071	83	6712	0.247	ug/l		91
28) 1,1,1-Trichloroethane	5.296	97	5141	0.234	ug/l		97
29) 1,1-Dichloropropene	5.505	75	4123	0.205	ug/l		97
31) Isopropyl Ether	3.994	45	9541	0.211	ug/l		87
32) Ethyl-t-butyl ether	4.505	59	8446	0.220	ug/l		100
33) Tert-Amyl methyl ether	5.946	73	5629	0.205	ug/l	#	93
34) Propionitrile	4.782	54	1673	1.170	ug/l	#	93
35) Benzene	5.759	78	13600	0.224	ug/l		94
36) 1,2-Dichloroethane	5.785	62	3955	0.222	ug/l	#	86
37) Trichloroethene	6.534	130	3114	0.217	ug/l		94
38) 1,2-Dichloropropane	6.788	63	3618	0.215	ug/l		93
39) Methacrylonitrile	4.985	41	1499m	0.252	ug/l		
40) Methyl acrylate	4.859	55	2237m	0.268	ug/l		
41) Tetrahydrofuran	5.065	42	1749	0.547	ug/l	#	91
42) 1-Chlorobutane	5.441	56	6053m	0.212	ug/l		
44) Bromodichloromethane	7.103	83	4020	0.210	ug/l		96
45) 4-Methyl-2-Pentanone	7.804	43	8638	1.025	ug/l	#	89
46) t-1,4-Dichloro-2-butene	10.824	75	1766m	0.638	ug/l		
47) Methyl methacrylate	6.984	69	1791	0.295	ug/l	#	84
52) 1,1,2-Trichloroethane	8.396	97	2378	0.207	ug/l		96
53) 1,3-Dichloropropane	8.573	76	4117	0.209	ug/l		96
54) 2-Hexanone	8.701	43	5960	1.054	ug/l		90
55) Dibromochloromethane	8.808	129	2390	0.202	ug/l		100
56) 1,2-Dibromoethane	8.923	107	1977	0.213	ug/l		99
58) Tetrachloroethene	8.541	164	2994	0.212	ug/l	#	83

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
59) Chlorobenzene	9.444	112	7300	0.204	ug/l		97
60) 1,1,1,2-Tetrachloroethane	9.525	131	2604	0.202	ug/l		95
61) Pentachloroethane	11.418	117	2303	0.220	ug/l		97
62) Hexachloroethane	12.467	117	2075	0.220	ug/l		97
64) m/p-Xylenes	9.689	106	7425	0.332	ug/l		95
67) Bromoform	10.287	173	1354	0.209	ug/l	#	97
70) 1,1,2,2-Tetrachloroethane	10.779	83	3494	0.238	ug/l	#	89
71) 1,2,3-Trichloropropane	10.817	75	2670m	0.223	ug/l		
80) Nitrobenzene	13.241	77	946	1.415	ug/l	#	79
83) 1,4-Dichlorobenzene	11.836	146	6292	0.207	ug/l		94
85) 1,2-Dichlorobenzene	12.206	146	5725	0.204	ug/l		93
86) 1,2-Dibromo-3-Chloropr...	12.994	75	466	0.231	ug/l	#	79
87) 1,2,4-Trichlorobenzene	13.843	180	4233	0.270	ug/l		93
88) Hexachlorobutadiene	14.013	225	2693	0.243	ug/l		91
89) Naphthalene	14.090	128	9235	0.354	ug/l	#	95
90) 1,2,3-Trichlorobenzene	14.328	180	4388	0.282	ug/l		95

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

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