Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071725\
Data File : VU063527.D
Acq On : 17 Jul 2025 16:18
Operator : MD/SY
Sample : RL-CHECK
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 18 05:06:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071625DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Jul 18 05:06:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/18/2025
Supervised By :Semsettin Yesilyurt 07/21/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.097	96	19677	1.000 ug/l #	0.00
System Monitoring Compounds					
57) 4-Bromofluorobenzene	10.630	95	7554	1.014 ug/l	0.00
Spiked Amount 1.000			Recovery = 101.000%		
68) 1,2-Dichlorobenzene-d4	12.190	152	6960	1.010 ug/l	0.00
Spiked Amount 1.000			Recovery = 101.000%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.380	85	2561	0.441 ug/l	100
3) Chloromethane	1.518	50	2891	0.536 ug/l	98
4) Vinyl Chloride	1.599	62	3457	0.503 ug/l	98
5) Bromomethane	1.846	94	3241	0.626 ug/l	84
6) Chloroethane	1.927	64	2091	0.504 ug/l	95
7) Trichlorofluoromethane	2.129	101	4793	0.486 ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.566	101	2435	0.472 ug/l	93
9) 1,1-Dichloroethene	2.566	96	2556	0.500 ug/l	95
10) Iodomethane	2.708	142	1545	0.250 ug/l	98
11) Allyl Chloride	2.910	41	3891	0.527 ug/l	99
12) Acrylonitrile	3.306	53	1449	1.134 ug/l #	91
13) Acetone	2.621	43	3002	2.933 ug/l	97
14) Carbon Disulfide	2.779	76	7244	0.439 ug/l	96
15) Methylene Chloride	3.029	84	3826	0.636 ug/l	93
16) trans-1,2-Dichloroethene	3.332	96	2905	0.501 ug/l	94
17) 1,1-Dichloroethane	3.853	63	5769	0.536 ug/l #	94
18) 2-Butanone	4.721	43	3564	2.248 ug/l	93
19) Cyclohexane	5.354	56	4916	0.540 ug/l	96
20) Methylcyclohexane	6.740	83	3622	0.409 ug/l	92
21) 2,2-Dichloropropane	4.644	77	4608	0.503 ug/l	98
22) cis-1,2-Dichloroethene	4.647	96	3365	0.534 ug/l	94
23) Diethyl Ether	2.370	59	2185	0.561 ug/l #	87
24) tert-Butyl Alcohol	3.203	59	2871	6.110 ug/l #	89
25) Methyl tert-Butyl Ether	3.364	73	7031	0.527 ug/l	98
26) Bromochloromethane	4.955	128	1370	0.521 ug/l	98
27) Chloroform	5.068	83	5776	0.526 ug/l	98
28) 1,1,1-Trichloroethane	5.293	97	4703	0.505 ug/l	97
29) 1,1-Dichloropropene	5.502	75	4533	0.525 ug/l #	89
30) Carbon Tetrachloride	5.496	117	3427	0.457 ug/l	97
31) Isopropyl Ether	3.994	45	10112	0.623 ug/l	98
32) Ethyl-t-butyl ether	4.508	59	8051	0.536 ug/l	94
33) Tert-Amyl methyl ether	5.942	73	5578	0.428 ug/l #	95
34) Propionitrile	4.782	54	1303	2.698 ug/l #	74
35) Benzene	5.753	78	13676	0.590 ug/l	94
36) 1,2-Dichloroethane	5.782	62	3971	0.551 ug/l	97
37) Trichloroethene	6.528	130	2386	0.403 ug/l	92
38) 1,2-Dichloropropane	6.782	63	2516	0.464 ug/l	96
39) Methacrylonitrile	4.975	41	1421	0.662 ug/l #	78
40) Methyl acrylate	4.856	55	2108m	0.672 ug/l	
41) Tetrahydrofuran	5.065	42	1660	1.470 ug/l #	73
42) 1-Chlorobutane	5.438	56	5906	0.515 ug/l	98
43) Dibromomethane	6.914	93	1249	0.444 ug/l	85
44) Bromodichloromethane	7.097	83	2481	0.391 ug/l #	93

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Jul 18 05:06:32 2025
Response via : Initial Calibration

Instrument :
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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.804	43	6666	2.301	ug/l		98
46) t-1,4-Dichloro-2-butene	10.823	75	916m	0.842	ug/l		
47) Methyl methacrylate	6.975	69	1787	0.757	ug/l		93
48) Ethyl methacrylate	8.344	69	1819	0.404	ug/l		88
49) Toluene	7.962	92	5780	0.457	ug/l		97
50) t-1,3-Dichloropropene	8.206	75	1708	0.343	ug/l		91
51) cis-1,3-Dichloropropene	7.605	75	2287	0.343	ug/l	#	93
52) 1,1,2-Trichloroethane	8.399	97	1706	0.451	ug/l		90
53) 1,3-Dichloropropane	8.573	76	3048	0.467	ug/l		97
54) 2-Hexanone	8.704	43	3976	2.067	ug/l		97
55) Dibromochloromethane	8.801	129	1374	0.344	ug/l		99
56) 1,2-Dibromoethane	8.923	107	1386	0.409	ug/l		92
58) Tetrachloroethene	8.540	164	2606	0.481	ug/l		92
59) Chlorobenzene	9.441	112	6304	0.434	ug/l		99
60) 1,1,1,2-Tetrachloroethane	9.524	131	1822	0.390	ug/l		99
61) Pentachloroethane	11.415	117	1338	0.405	ug/l	#	81
62) Hexachloroethane	12.466	117	1054	0.322	ug/l		90
63) Ethyl Benzene	9.563	91	11087	0.443	ug/l		95
64) m/p-Xylenes	9.688	106	8507	0.875	ug/l		100
65) o-Xylene	10.097	106	4223	0.452	ug/l		98
66) Styrene	10.113	104	6159	0.414	ug/l		96
67) Bromoform	10.280	173	562	0.274	ug/l	#	91
69) Isopropylbenzene	10.476	105	10080	0.446	ug/l		98
70) 1,1,2,2-Tetrachloroethane	10.775	83	2105	0.457	ug/l	#	91
71) 1,2,3-Trichloropropane	10.817	75	1697m	0.454	ug/l		
72) Bromobenzene	10.778	156	2367	0.406	ug/l		72
73) n-propylbenzene	10.900	120	5417	0.797	ug/l		96
74) 2-Chlorotoluene	10.981	126	2571	0.428	ug/l		86
75) 1,3,5-Trimethylbenzene	11.081	105	8777	0.407	ug/l		100
76) 4-Chlorotoluene	11.097	126	2604	0.427	ug/l		99
77) tert-Butylbenzene	11.412	119	8556	0.415	ug/l		94
78) 1,2,4-Trimethylbenzene	11.463	105	8317	0.389	ug/l		99
79) sec-Butylbenzene	11.637	105	11744	0.422	ug/l		96
81) p-Isopropyltoluene	11.788	119	9098	0.392	ug/l		98
82) 1,3-Dichlorobenzene	11.743	146	4826	0.414	ug/l		99
83) 1,4-Dichlorobenzene	11.836	146	5095	0.436	ug/l		97
84) n-Butylbenzene	12.206	91	8314	0.386	ug/l		97
85) 1,2-Dichlorobenzene	12.209	146	4790	0.437	ug/l		99
87) 1,2,4-Trichlorobenzene	13.846	180	2536	0.372	ug/l		96
88) Hexachlorobutadiene	14.013	225	1445	0.373	ug/l		96
89) Naphthalene	14.097	128	4813	0.394	ug/l	#	89
90) 1,2,3-Trichlorobenzene	14.328	180	2515	0.399	ug/l		96

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

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