Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071825\
Data File : VU063542.D
Acq On : 18 Jul 2025 17:56
Operator : MD/SY
Sample : RL-CHECK
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 19 00:21:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071625DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Sat Jul 19 00:21:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
RL-CHECK

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.100	96	18139	1.000	ug/l		# 0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.631	95	6715	0.978	ug/l		0.00
Spiked Amount 1.000			Recovery =	98.000%			
68) 1,2-Dichlorobenzene-d4	12.187	152	5933	0.934	ug/l		0.00
Spiked Amount 1.000			Recovery =	93.000%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.380	85	2181	0.408	ug/l		91
3) Chloromethane	1.518	50	2424	0.488	ug/l		97
4) Vinyl Chloride	1.599	62	3001	0.474	ug/l		99
5) Bromomethane	1.850	94	3057	0.640	ug/l		92
6) Chloroethane	1.924	64	2024	0.529	ug/l		93
7) Trichlorofluoromethane	2.129	101	4516	0.497	ug/l		98
8) 1,1,2-Trichloro-1,2,2-...	2.567	101	2460	0.518	ug/l		96
9) 1,1-Dichloroethene	2.570	96	2225	0.472	ug/l		93
10) Iodomethane	2.715	142	1009	0.177	ug/l	#	86
11) Allyl Chloride	2.911	41	3383	0.497	ug/l		92
12) Acrylonitrile	3.303	53	1131	0.960	ug/l		95
13) Acetone	2.621	43	2815	2.983	ug/l		97
14) Carbon Disulfide	2.779	76	5411	0.356	ug/l	#	94
15) Methylene Chloride	3.030	84	4204	0.758	ug/l		93
16) trans-1,2-Dichloroethene	3.335	96	2626	0.491	ug/l		95
17) 1,1-Dichloroethane	3.853	63	5085	0.513	ug/l	#	93
18) 2-Butanone	4.718	43	3509	2.401	ug/l		92
19) Cyclohexane	5.358	56	3989	0.475	ug/l	#	91
20) Methylcyclohexane	6.740	83	3325	0.408	ug/l		98
21) 2,2-Dichloropropane	4.647	77	3583	0.424	ug/l		94
22) cis-1,2-Dichloroethene	4.650	96	2915	0.502	ug/l		96
23) Diethyl Ether	2.370	59	1801	0.502	ug/l	#	84
24) tert-Butyl Alcohol	3.197	59	2326	5.370	ug/l	#	80
25) Methyl tert-Butyl Ether	3.364	73	6460	0.525	ug/l	#	74
26) Bromochloromethane	4.959	128	1154	0.476	ug/l		92
27) Chloroform	5.075	83	5235	0.518	ug/l		97
28) 1,1,1-Trichloroethane	5.296	97	3935	0.458	ug/l		99
29) 1,1-Dichloropropene	5.502	75	3740	0.470	ug/l	#	77
30) Carbon Tetrachloride	5.502	117	2748	0.398	ug/l		98
31) Isopropyl Ether	3.997	45	8475	0.566	ug/l		98
32) Ethyl-t-butyl ether	4.502	59	7398	0.534	ug/l		98
33) Tert-Amyl methyl ether	5.946	73	6017	0.501	ug/l		97
34) Propionitrile	4.772	54	1215m	2.729	ug/l		
35) Benzene	5.756	78	11927	0.558	ug/l		94
36) 1,2-Dichloroethane	5.782	62	3723	0.561	ug/l		99
37) Trichloroethene	6.528	130	2161	0.396	ug/l		97
38) 1,2-Dichloropropane	6.782	63	2244	0.449	ug/l		92
39) Methacrylonitrile	4.975	41	1303	0.658	ug/l	#	55
40) Methyl acrylate	4.853	55	1798	0.621	ug/l	#	85
41) Tetrahydrofuran	5.062	42	1160m	1.114	ug/l		
42) 1-Chlorobutane	5.438	56	4714	0.446	ug/l		94
43) Dibromomethane	6.911	93	1069	0.413	ug/l	#	86
44) Bromodichloromethane	7.100	83	1992	0.341	ug/l	#	92

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

Quant Time: Jul 19 00:21:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071625DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Sat Jul 19 00:21:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.801	43	5671	2.124	ug/l		97
46) t-1,4-Dichloro-2-butene	10.817	75	1017m	1.015	ug/l		
47) Methyl methacrylate	6.972	69	1616	0.743	ug/l	#	86
48) Ethyl methacrylate	8.341	69	1528	0.368	ug/l		91
49) Toluene	7.962	92	4728	0.405	ug/l		95
50) t-1,3-Dichloropropene	8.213	75	1420	0.310	ug/l		96
51) cis-1,3-Dichloropropene	7.605	75	1884	0.306	ug/l	#	73
52) 1,1,2-Trichloroethane	8.396	97	1569	0.450	ug/l		96
53) 1,3-Dichloropropane	8.573	76	2766	0.459	ug/l		98
54) 2-Hexanone	8.701	43	3945m	2.224	ug/l		
55) Dibromochloromethane	8.801	129	1072	0.291	ug/l		94
56) 1,2-Dibromoethane	8.923	107	1403	0.449	ug/l		88
58) Tetrachloroethene	8.544	164	2169	0.435	ug/l		95
59) Chlorobenzene	9.444	112	5982	0.446	ug/l		93
60) 1,1,1,2-Tetrachloroethane	9.521	131	1450	0.336	ug/l		95
61) Pentachloroethane	11.415	117	995	0.327	ug/l	#	68
62) Hexachloroethane	12.467	117	768	0.255	ug/l	#	82
63) Ethyl Benzene	9.563	91	10017	0.434	ug/l		96
64) m/p-Xylenes	9.689	106	7315	0.816	ug/l		92
65) o-Xylene	10.097	106	3573	0.415	ug/l		94
66) Styrene	10.113	104	5195	0.378	ug/l		93
67) Bromoform	10.287	173	428	0.226	ug/l	#	81
69) Isopropylbenzene	10.480	105	8489	0.408	ug/l		100
70) 1,1,2,2-Tetrachloroethane	10.772	83	1653	0.389	ug/l	#	92
71) 1,2,3-Trichloropropane	10.817	75	1706m	0.495	ug/l		
72) Bromobenzene	10.782	156	2019	0.376	ug/l		80
73) n-propylbenzene	10.898	120	2548	0.407	ug/l		79
74) 2-Chlorotoluene	10.981	126	2230	0.403	ug/l		88
75) 1,3,5-Trimethylbenzene	11.084	105	7517	0.378	ug/l		97
76) 4-Chlorotoluene	11.097	126	2295	0.408	ug/l		92
77) tert-Butylbenzene	11.412	119	7570	0.398	ug/l		94
78) 1,2,4-Trimethylbenzene	11.463	105	7613	0.386	ug/l		100
79) sec-Butylbenzene	11.637	105	10630	0.415	ug/l		96
81) p-Isopropyltoluene	11.788	119	8223	0.384	ug/l		97
82) 1,3-Dichlorobenzene	11.743	146	4276	0.398	ug/l		95
83) 1,4-Dichlorobenzene	11.833	146	4640	0.431	ug/l		98
84) n-Butylbenzene	12.203	91	8117	0.409	ug/l		97
85) 1,2-Dichlorobenzene	12.209	146	4549	0.450	ug/l		96
86) 1,2-Dibromo-3-Chloropr...	12.994	75	45	0.075	ug/l	#	3
87) 1,2,4-Trichlorobenzene	13.839	180	4657	0.741	ug/l		95
88) Hexachlorobutadiene	14.013	225	1602	0.449	ug/l		88
89) Naphthalene	14.094	128	5620	0.499	ug/l		96
90) 1,2,3-Trichlorobenzene	14.325	180	3020	0.520	ug/l		94

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

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