Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071625\
Data File : VU063513.D
Acq On : 16 Jul 2025 10:27
Operator : MD/SY
Sample : VSTDICC002
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 17 03:23:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071625DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Jul 17 03:16:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.097	96	24713	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	8919	0.953	ug/l	0.00
Spiked Amount 1.000			Recovery =	95.000%		
68) 1,2-Dichlorobenzene-d4	12.187	152	8064	0.932	ug/l	0.00
Spiked Amount 1.000			Recovery =	93.000%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.380	85	13901	1.908	ug/l	99
3) Chloromethane	1.515	50	12922	1.908	ug/l	96
4) Vinyl Chloride	1.596	62	16476	1.910	ug/l	95
5) Bromomethane	1.846	94	13182	2.026	ug/l	99
6) Chloroethane	1.924	64	9817	1.885	ug/l	99
7) Trichlorofluoromethane	2.126	101	23274	1.879	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.567	101	12436	1.921	ug/l	99
9) 1,1-Dichloroethene	2.567	96	11909	1.856	ug/l	98
10) Iodomethane	2.708	142	11910	2.044	ug/l	99
11) Allyl Chloride	2.908	41	19248	2.077	ug/l	94
12) Acrylonitrile	3.306	53	6375m	3.971	ug/l	
13) Acetone	2.618	43	12988	10.102	ug/l	99
14) Carbon Disulfide	2.776	76	38838	1.874	ug/l	97
15) Methylene Chloride	3.030	84	14190	1.878	ug/l	97
16) trans-1,2-Dichloroethene	3.335	96	13749	1.887	ug/l	99
17) 1,1-Dichloroethane	3.846	63	25721	1.904	ug/l	99
18) 2-Butanone	4.715	43	19497	9.792	ug/l	98
19) Cyclohexane	5.358	56	21512	1.881	ug/l	98
20) Methylcyclohexane	6.743	83	19848	1.786	ug/l	97
21) 2,2-Dichloropropane	4.644	77	22099	1.922	ug/l	98
22) cis-1,2-Dichloroethene	4.647	96	14739	1.864	ug/l	98
23) Diethyl Ether	2.367	59	9590	1.962	ug/l	97
24) tert-Butyl Alcohol	3.190	59	11035	18.698	ug/l #	93
25) Methyl tert-Butyl Ether	3.361	73	31927	1.906	ug/l	98
26) Bromochloromethane	4.956	128	6299	1.908	ug/l	95
27) Chloroform	5.071	83	26561	1.927	ug/l	99
28) 1,1,1-Trichloroethane	5.293	97	22170	1.895	ug/l	99
29) 1,1-Dichloropropene	5.502	75	21342	1.970	ug/l	95
30) Carbon Tetrachloride	5.499	117	17885	1.900	ug/l	93
31) Isopropyl Ether	3.988	45	39017	1.914	ug/l	99
32) Ethyl-t-butyl ether	4.502	59	36341	1.926	ug/l	100
33) Tert-Amyl methyl ether	5.943	73	32364	1.977	ug/l	99
34) Propionitrile	4.772	54	5922	9.762	ug/l	98
35) Benzene	5.753	78	57563	1.977	ug/l	100
36) 1,2-Dichloroethane	5.782	62	17934	1.982	ug/l	100
37) Trichloroethene	6.528	130	13293	1.790	ug/l	97
38) 1,2-Dichloropropane	6.782	63	12386	1.818	ug/l	97
39) Methacrylonitrile	4.968	41	5277	1.982	ug/l	93
40) Methyl acrylate	4.846	55	6918	1.755	ug/l	96
41) Tetrahydrofuran	5.065	42	5330	3.757	ug/l	96
42) 1-Chlorobutane	5.438	56	27320	1.896	ug/l	100
43) Dibromomethane	6.907	93	6494	1.840	ug/l	94
44) Bromodichloromethane	7.097	83	14822	1.862	ug/l #	94

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Quant Time: Jul 17 03:23:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071625DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Jul 17 03:16:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED

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Supervised By :Semsettin Yesilyurt 07/17/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.798	43	33590	9.233	ug/l		100
46) t-1,4-Dichloro-2-butene	10.824	75	4957m	3.841	ug/l		
47) Methyl methacrylate	6.968	69	10710	3.613	ug/l		96
48) Ethyl methacrylate	8.335	69	10760	1.902	ug/l		97
49) Toluene	7.959	92	29457	1.853	ug/l		97
50) t-1,3-Dichloropropene	8.206	75	11035	1.767	ug/l		99
51) cis-1,3-Dichloropropene	7.602	75	14409	1.719	ug/l		99
52) 1,1,2-Trichloroethane	8.393	97	8889	1.871	ug/l		98
53) 1,3-Dichloropropane	8.570	76	15693	1.913	ug/l		99
54) 2-Hexanone	8.692	43	21569	8.926	ug/l		98
55) Dibromochloromethane	8.801	129	9158	1.824	ug/l		99
56) 1,2-Dibromoethane	8.920	107	7956	1.871	ug/l		99
58) Tetrachloroethene	8.541	164	13165	1.936	ug/l		95
59) Chlorobenzene	9.441	112	33922	1.858	ug/l		99
60) 1,1,1,2-Tetrachloroethane	9.525	131	10771	1.835	ug/l		98
61) Pentachloroethane	11.418	117	7292	1.758	ug/l		93
62) Hexachloroethane	12.467	117	7073	1.722	ug/l		93
63) Ethyl Benzene	9.563	91	58862	1.874	ug/l		100
64) m/p-Xylenes	9.685	106	45864	3.756	ug/l		97
65) o-Xylene	10.094	106	21340	1.819	ug/l		98
66) Styrene	10.110	104	34112	1.824	ug/l		96
67) Bromoform	10.283	173	4536	1.759	ug/l	#	92
69) Isopropylbenzene	10.476	105	52260	1.842	ug/l		99
70) 1,1,2,2-Tetrachloroethane	10.775	83	10710	1.852	ug/l		97
71) 1,2,3-Trichloropropane	10.817	75	8980m	1.903	ug/l		
72) Bromobenzene	10.775	156	13109	1.791	ug/l		79
73) n-propylbenzene	10.901	120	15950	1.868	ug/l		98
74) 2-Chlorotoluene	10.978	126	14070	1.864	ug/l		98
75) 1,3,5-Trimethylbenzene	11.081	105	50061	1.847	ug/l		98
76) 4-Chlorotoluene	11.094	126	14644	1.911	ug/l		91
77) tert-Butylbenzene	11.412	119	48176	1.860	ug/l		99
78) 1,2,4-Trimethylbenzene	11.460	105	49637	1.846	ug/l		99
79) sec-Butylbenzene	11.634	105	64443	1.845	ug/l		98
80) Nitrobenzene	13.219	77	861	9.644	ug/l	#	78
81) p-Isopropyltoluene	11.785	119	53922	1.850	ug/l		99
82) 1,3-Dichlorobenzene	11.740	146	26844	1.833	ug/l		99
83) 1,4-Dichlorobenzene	11.833	146	26650	1.818	ug/l		98
84) n-Butylbenzene	12.203	91	48694	1.801	ug/l		99
85) 1,2-Dichlorobenzene	12.206	146	24834	1.805	ug/l		99
86) 1,2-Dibromo-3-Chloropr...	12.994	75	1550	2.046	ug/l		91
87) 1,2,4-Trichlorobenzene	13.836	180	15327	1.791	ug/l		97
88) Hexachlorobutadiene	14.013	225	8872	1.826	ug/l		98
89) Naphthalene	14.087	128	25691	1.675	ug/l		98
90) 1,2,3-Trichlorobenzene	14.325	180	13999	1.770	ug/l		99

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

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