Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071725\
Data File : VU063530.D
Acq On : 17 Jul 2025 18:21
Operator : MD/SY
Sample : VSTDCCC010
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jul 18 04:17:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071625DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Jul 17 03:49:40 2025
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

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	6.094	96	26488	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	8558	0.853	ug/l	0.00
Spiked Amount 1.000			Recovery = 85.000%			
68) 1,2-Dichlorobenzene-d4	12.187	152	8996	0.970	ug/l	0.00
Spiked Amount 1.000			Recovery = 97.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.380	85	61876	7.922	ug/l	99
3) Chloromethane	1.518	50	61201	8.430	ug/l	100
4) Vinyl Chloride	1.599	62	81232	8.785	ug/l	99
5) Bromomethane	1.840	94	61355	8.799	ug/l	98
6) Chloroethane	1.920	64	49654	8.894	ug/l	100
7) Trichlorofluoromethane	2.126	101	120329	9.064	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.566	101	63095	9.094	ug/l	99
9) 1,1-Dichloroethene	2.566	96	62658	9.112	ug/l	98
10) Iodomethane	2.708	142	67975	6.922	ug/l	98
11) Allyl Chloride	2.907	41	87801	8.838	ug/l	99
12) Acrylonitrile	3.303	53	29064	16.898	ug/l	93
13) Acetone	2.618	43	56883	41.278	ug/l	100
14) Carbon Disulfide	2.775	76	175070	7.882	ug/l	99
15) Methylene Chloride	3.026	84	71827	8.871	ug/l	99
16) trans-1,2-Dichloroethene	3.332	96	70036	8.967	ug/l	99
17) 1,1-Dichloroethane	3.846	63	132544	9.156	ug/l	98
18) 2-Butanone	4.714	43	93449	43.789	ug/l	99
19) Cyclohexane	5.357	56	110490	9.015	ug/l	100
20) Methylcyclohexane	6.740	83	89946	7.550	ug/l	98
21) 2,2-Dichloropropane	4.643	77	90657	7.355	ug/l	99
22) cis-1,2-Dichloroethene	4.647	96	76107	8.980	ug/l	100
23) Diethyl Ether	2.370	59	50115	9.564	ug/l	99
24) tert-Butyl Alcohol	3.193	59	60534	95.696	ug/l	99
25) Methyl tert-Butyl Ether	3.361	73	167530	9.332	ug/l	99
26) Bromochloromethane	4.955	128	32797	9.268	ug/l	94
27) Chloroform	5.068	83	135161	9.150	ug/l	99
28) 1,1,1-Trichloroethane	5.293	97	114495	9.133	ug/l	99
29) 1,1-Dichloropropene	5.502	75	104893	9.032	ug/l	98
30) Carbon Tetrachloride	5.499	117	91328	9.051	ug/l	97
31) Isopropyl Ether	3.991	45	203231	9.301	ug/l	98
32) Ethyl-t-butyl ether	4.502	59	188217	9.308	ug/l	100
33) Tert-Amyl methyl ether	5.939	73	160180	9.127	ug/l	99
34) Propionitrile	4.775	54	29935	46.039	ug/l	96
35) Benzene	5.753	78	292284	9.367	ug/l	100
36) 1,2-Dichloroethane	5.778	62	92180	9.507	ug/l	99
37) Trichloroethene	6.524	130	63260	7.946	ug/l	98
38) 1,2-Dichloropropane	6.778	63	61458	8.415	ug/l	100
39) Methacrylonitrile	4.971	41	24655	8.530	ug/l	98
40) Methyl acrylate	4.846	55	39897	9.443	ug/l	98
41) Tetrahydrofuran	5.061	42	26805	17.630	ug/l	99
42) 1-Chlorobutane	5.434	56	142081	9.202	ug/l	98
43) Dibromomethane	6.904	93	32191	8.509	ug/l	95
44) Bromodichloromethane	7.094	83	70182	8.226	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.798	43	177882	45.620	ug/l	99
46) t-1,4-Dichloro-2-butene	10.820	75	24525m	16.755	ug/l	
47) Methyl methacrylate	6.965	69	55488	17.463	ug/l	99
48) Ethyl methacrylate	8.331	69	55612	9.171	ug/l	97
49) Toluene	7.958	92	150970	8.861	ug/l	100
50) t-1,3-Dichloropropene	8.203	75	58001	8.665	ug/l	99
51) cis-1,3-Dichloropropene	7.598	75	75934	8.451	ug/l	99
52) 1,1,2-Trichloroethane	8.393	97	46808	9.190	ug/l	98
53) 1,3-Dichloropropane	8.566	76	78845	8.967	ug/l	100
54) 2-Hexanone	8.688	43	119520	46.147	ug/l	99
55) Dibromochloromethane	8.801	129	48576	9.024	ug/l	99
56) 1,2-Dibromoethane	8.917	107	39777	8.726	ug/l	98
58) Tetrachloroethene	8.540	164	61549	8.447	ug/l	97
59) Chlorobenzene	9.438	112	172600	8.820	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.524	131	54198	8.613	ug/l	99
61) Pentachloroethane	11.418	117	39302	8.839	ug/l	94
62) Hexachloroethane	12.466	117	38339	8.707	ug/l	94
63) Ethyl Benzene	9.563	91	295312	8.770	ug/l	99
64) m/p-Xylenes	9.685	106	232831	17.789	ug/l	98
65) o-Xylene	10.090	106	113833	9.051	ug/l	100
66) Styrene	10.106	104	186420	9.301	ug/l	97
67) Bromoform	10.283	173	22400	8.103	ug/l	99
69) Isopropylbenzene	10.476	105	275747	9.069	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.775	83	57367	9.256	ug/l	100
71) 1,2,3-Trichloropropane	10.817	75	42990m	8.540	ug/l	
72) Bromobenzene	10.775	156	68813	8.769	ug/l	98
73) n-propylbenzene	10.897	120	83317	9.103	ug/l	99
74) 2-Chlorotoluene	10.978	126	72858	9.007	ug/l	99
75) 1,3,5-Trimethylbenzene	11.081	105	267836	9.221	ug/l	100
76) 4-Chlorotoluene	11.090	126	74741	9.098	ug/l	99
77) tert-Butylbenzene	11.412	119	250719	9.032	ug/l	98
78) 1,2,4-Trimethylbenzene	11.460	105	265878	9.226	ug/l	99
79) sec-Butylbenzene	11.634	105	343967	9.188	ug/l	99
80) Nitrobenzene	13.203	77	4243	33.947	ug/l	99
81) p-Isopropyltoluene	11.785	119	292342	9.355	ug/l	99
82) 1,3-Dichlorobenzene	11.736	146	138899	8.847	ug/l	99
83) 1,4-Dichlorobenzene	11.830	146	149632	9.521	ug/l	96
84) n-Butylbenzene	12.199	91	267880	9.243	ug/l	100
85) 1,2-Dichlorobenzene	12.203	146	134734	9.134	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.987	75	8435	8.372	ug/l	98
87) 1,2,4-Trichlorobenzene	13.833	180	88063	9.601	ug/l	99
88) Hexachlorobutadiene	14.013	225	44278	8.500	ug/l	99
89) Naphthalene	14.080	128	141368	8.601	ug/l	99
90) 1,2,3-Trichlorobenzene	14.322	180	74454	8.784	ug/l	98

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

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