

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071625\
 Data File : VU063517.D
 Acq On : 16 Jul 2025 14:19
 Operator : MD/SY
 Sample : VSTDICV010
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICSVU071625

Manual Integrations
 APPROVED

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

Quant Time: Jul 17 03:27:07 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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	6.100	96	22543	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	10918	1.279	ug/l	0.00
Spiked Amount 1.000			Recovery	=	128.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	9055	1.147	ug/l	0.00
Spiked Amount 1.000			Recovery	=	115.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	47518	7.149	ug/l	98
3) Chloromethane	1.518	50	59639	9.652	ug/l	99
4) Vinyl Chloride	1.599	62	75020	9.533	ug/l	99
5) Bromomethane	1.846	94	57124	9.626	ug/l	97
6) Chloroethane	1.924	64	48669	10.243	ug/l	100
7) Trichlorofluoromethane	2.129	101	117095	10.364	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.567	101	67543	11.439	ug/l	98
9) 1,1-Dichloroethene	2.567	96	68402	11.688	ug/l	95
10) Iodomethane	2.708	142	78640	9.080	ug/l	98
11) Allyl Chloride	2.907	41	104721	12.385	ug/l	99
12) Acrylonitrile	3.306	53	78654	53.704	ug/l	97
13) Acetone	2.618	43	76920	65.587	ug/l	100
14) Carbon Disulfide	2.776	76	197248	10.434	ug/l	99
15) Methylene Chloride	3.026	84	76711	11.133	ug/l	98
16) trans-1,2-Dichloroethene	3.332	96	71158	10.705	ug/l	98
17) 1,1-Dichloroethane	3.846	63	140320	11.390	ug/l	100
18) 2-Butanone	4.714	43	107346	59.104	ug/l	99
19) Cyclohexane	5.357	56	120201	11.523	ug/l	100
20) Methylcyclohexane	6.743	83	103883	10.246	ug/l	98
21) 2,2-Dichloropropane	4.644	77	118031	11.251	ug/l	100
22) cis-1,2-Dichloroethene	4.647	96	84773	11.753	ug/l	97
23) Diethyl Ether	2.370	59	48588	10.895	ug/l	99
24) tert-Butyl Alcohol	3.194	59	29533	54.858	ug/l	99
25) Methyl tert-Butyl Ether	3.361	73	182299	11.931	ug/l	99
26) Bromochloromethane	4.956	128	32227	10.701	ug/l	95
27) Chloroform	5.068	83	141992	11.295	ug/l	100
28) 1,1,1-Trichloroethane	5.293	97	124774	11.694	ug/l	100
29) 1,1-Dichloropropene	5.499	75	104813	10.604	ug/l	97
30) Carbon Tetrachloride	5.496	117	102031	11.881	ug/l	96
31) Isopropyl Ether	3.994	45	217473	11.694	ug/l #	1
34) Propionitrile	4.775	54	61045	110.315	ug/l	96
35) Benzene	5.753	78	251880	9.485	ug/l	99
36) 1,2-Dichloroethane	5.782	62	75983	9.208	ug/l	99
37) Trichloroethene	6.525	130	66834	9.864	ug/l	95
38) 1,2-Dichloropropane	6.782	63	63102	10.152	ug/l	98
39) Methacrylonitrile	4.972	41	25678	10.571	ug/l	98
40) Methyl acrylate	4.846	55	39416	10.962	ug/l #	95
41) Tetrahydrofuran	5.062	42	67337	52.040	ug/l	97
42) 1-Chlorobutane	5.435	56	151540	11.532	ug/l	99
43) Dibromomethane	6.907	93	35899	11.149	ug/l	97
44) Bromodichloromethane	7.094	83	84311	11.611	ug/l	97
45) 4-Methyl-2-Pentanone	7.795	43	190879	57.520	ug/l	100
46) t-1,4-Dichloro-2-butene	10.827	75	12861m	10.924	ug/l	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071625\
 Data File : VU063517.D
 Acq On : 16 Jul 2025 14:19
 Operator : MD/SY
 Sample : VSTDICV010
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU071625

Manual Integrations
 APPROVED

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

Quant Time: Jul 17 03:27:07 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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Methyl methacrylate	6.965	69	30655	11.336	ug/l	92
48) Ethyl methacrylate	8.332	69	62257	12.064	ug/l	100
49) Toluene	7.959	92	167696	11.565	ug/l	97
50) t-1,3-Dichloropropene	8.203	75	69274	12.160	ug/l	99
51) cis-1,3-Dichloropropene	7.599	75	87222	11.406	ug/l	99
52) 1,1,2-Trichloroethane	8.393	97	47565	10.973	ug/l	98
53) 1,3-Dichloropropane	8.566	76	81190	10.849	ug/l	99
54) 2-Hexanone	8.685	43	130609	59.254	ug/l	99
55) Dibromochloromethane	8.801	129	56885	12.417	ug/l	99
56) 1,2-Dibromoethane	8.917	107	42078	10.846	ug/l	98
58) Tetrachloroethene	8.541	164	70149	11.312	ug/l	98
59) Chlorobenzene	9.438	112	192479	11.557	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.524	131	58716	10.964	ug/l	98
61) Pentachloroethane	11.418	117	46643	12.325	ug/l	98
62) Hexachloroethane	12.466	117	46374	12.375	ug/l	100
63) Ethyl Benzene	9.560	91	327850	11.440	ug/l	100
64) m/p-Xylenes	9.685	106	261516	23.477	ug/l	98
65) o-Xylene	10.090	106	128236	11.980	ug/l	99
66) Styrene	10.106	104	207563	12.168	ug/l	99
67) Bromoform	10.283	173	28453	12.093	ug/l	100
69) Isopropylbenzene	10.476	105	336555	13.006	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.775	83	56769	10.762	ug/l	99
71) 1,2,3-Trichloropropane	10.814	75	39518m	9.180	ug/l	
72) Bromobenzene	10.775	156	77499	11.605	ug/l	99
73) n-propylbenzene	10.897	120	92519	11.877	ug/l	100
74) 2-Chlorotoluene	10.978	126	81148	11.787	ug/l	97
75) 1,3,5-Trimethylbenzene	11.081	105	296624	11.999	ug/l	98
76) 4-Chlorotoluene	11.090	126	83551	11.950	ug/l	96
77) tert-Butylbenzene	11.412	119	282930	11.976	ug/l	100
78) 1,2,4-Trimethylbenzene	11.460	105	296010	12.070	ug/l	99
79) sec-Butylbenzene	11.634	105	381524	11.975	ug/l	99
80) Nitrobenzene	13.216	77	1132m	13.031	ug/l	
81) p-Isopropyltoluene	11.785	119	326583	12.280	ug/l	99
82) 1,3-Dichlorobenzene	11.737	146	159160	11.911	ug/l	99
83) 1,4-Dichlorobenzene	11.830	146	155981	11.662	ug/l	97
84) n-Butylbenzene	12.200	91	300975	12.202	ug/l	98
85) 1,2-Dichlorobenzene	12.206	146	150510	11.990	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.987	75	9053	10.124	ug/l	99
87) 1,2,4-Trichlorobenzene	13.833	180	98543	12.623	ug/l	100
88) Hexachlorobutadiene	14.013	225	51315	11.575	ug/l	98
89) Naphthalene	14.081	128	165643	11.841	ug/l	99
90) 1,2,3-Trichlorobenzene	14.322	180	85042	11.788	ug/l	98

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

