

Data Path : Z:\voasrv\HPCHEM1\MSVOA_T\Data\VT102325\
 Data File : VT019164.D
 Acq On : 23 Oct 2025 10:34
 Operator : SY/MD
 Sample : VT1023WBS01
 Misc : 5.0mL/MSVOA_T/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_T
 ClientSampleId :
 VT1023WBS01

Quant Time: Oct 24 06:40:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_T\methods\624T102225W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 24 06:37:52 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/24/2025
 Supervised By : Mahesh Dadoda 10/27/2025

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

Internal Standards						
1) Bromochloromethane	7.060	128	23841	30.000	ug/l	#-0.02
28) 1,4-Difluorobenzene	8.564	114	154054	30.000	ug/l	-0.01
57) Chlorobenzene-d5	11.737	117	127263	30.000	ug/l	-0.02
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.953	65	64124	30.700	ug/l	-0.02
Spiked Amount 30.000	Range	91 - 110	Recovery	= 102.333%		
60) 4-Bromofluorobenzene	12.871	95	59397	29.696	ug/l	-0.02
Spiked Amount 30.000	Range	63 - 112	Recovery	= 99.000%		
63) Toluene-d8	10.239	98	184637	29.808	ug/l	-0.02
Spiked Amount 30.000	Range	91 - 112	Recovery	= 99.367%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.878	85	14498	22.158	ug/l	95
3) Chloromethane	2.095	50	27355m	18.214	ug/l	
4) Vinyl Chloride	2.195	62	29950	17.843	ug/l	95
5) Bromomethane	2.548	94	25531	18.316	ug/l	87
6) Chloroethane	2.683	64	26178	17.684	ug/l	92
7) Trichlorofluoromethane	2.988	101	48309	17.747	ug/l	97
8) Diethyl Ether	3.353	74	28466	16.985	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.676	101	27229	25.478	ug/l	99
10) 1,1-Dichloroethene	3.658	96	26539	24.789	ug/l	98
11) Methyl Iodide	3.864	142	20053	19.221	ug/l #	10
12) Methyl Acetate	4.210	43	78006	18.425	ug/l	97
13) Acrolein	3.535	56	17090	119.691	ug/l	100
14) Acrylonitrile	4.839	53	118805	91.044	ug/l	100
15) Acetone	3.735	58	44618	95.969	ug/l	96
16) Carbon Disulfide	3.952	76	37090	18.549	ug/l	96
17) Allyl chloride	4.210	41	42507	16.702	ug/l	90
18) Methylene Chloride	4.422	84	30309	18.982	ug/l	95
19) trans-1,2-Dichloroethene	6.678	96	31623	19.198	ug/l	98
20) Diisopropyl ether	5.797	45	124317	19.189	ug/l #	66
21) 1,1-Dichloroethane	5.691	63	56622	18.705	ug/l	97
22) cis-1,2-Dichloroethene	6.678	96	31623	19.198	ug/l	94
23) tert-Butyl Alcohol	4.651	59	52716	92.209	ug/l #	100
24) Methyl tert-Butyl Ether	4.892	73	119479	18.572	ug/l	97
25) Chloroform	7.254	83	54008	19.504	ug/l	98
26) Cyclohexane	7.548	56	34986	19.695	ug/l #	99
29) 1,1-Dichloropropene	7.695	75	30297	18.794	ug/l	96
30) 2-Butanone	6.690	43	174210	87.677	ug/l	99
31) 2,2-Dichloropropane	6.672	77	44512m	18.860	ug/l	
32) 1,1,1-Trichloroethane	7.460	97	38090	18.755	ug/l #	75
33) Carbon Tetrachloride	7.677	117	26120	20.073	ug/l #	91
34) Benzene	7.971	78	109094	18.267	ug/l #	83
35) Methacrylonitrile	7.031	41	28268	16.714	ug/l	92
36) 1,2-Dichloroethane	8.059	62	41007	18.522	ug/l #	90
37) Trichloroethene	8.840	130	20256	18.436	ug/l	91
38) Methylcyclohexane	9.111	83	32692	20.139	ug/l	97
39) 1,2-Dichloropropane	9.152	63	27596m	17.643	ug/l	
40) Dibromomethane	9.246	93	16754	17.372	ug/l #	74
41) Bromodichloromethane	10.773	83	22345	18.037	ug/l #	88
42) Vinyl Acetate	5.738	43	448143	91.927	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	6.784	43	60933	18.655	ug/l #	85
44) Isopropyl Acetate	8.106	43	93735	18.234	ug/l	98
45) 1,4-Dioxane	9.246	88	16236	364.062	ug/l #	75
46) Methyl methacrylate	9.246	41	40961	17.820	ug/l	83
47) n-amyl Acetate	12.489	43	64315	18.592	ug/l	99
48) t-1,3-Dichloropropene	10.568	75	41444	18.437	ug/l	99
49) cis-1,3-Dichloropropene	9.957	75	43077	18.243	ug/l	95
50) 1,1,2-Trichloroethane	10.779	97	26146	18.432	ug/l #	89
51) Ethyl methacrylate	10.627	69	49069	18.458	ug/l	91
52) 1,3-Dichloropropane	10.938	76	46231	18.247	ug/l	100
53) Dibromochloromethane	11.161	129	24139	18.242	ug/l #	2
54) 1,2-Dibromoethane	11.285	107	23486	17.801	ug/l	98
55) 2-Chloroethyl vinyl ether	9.798	63	62408	80.491	ug/l	98
56) Bromoform	12.560	173	17131	19.693	ug/l #	20
58) 4-Methyl-2-Pentanone	10.121	43	274660	88.128	ug/l	98
59) 2-Hexanone	10.121	43	274660	88.128	ug/l #	83
61) Tetrachloroethene	10.856	164	16007	19.899	ug/l	93
62) Toluene	10.315	91	105401	18.491	ug/l	100
64) Chlorobenzene	11.766	112	63049	18.108	ug/l	92
65) 1,1,1,2-Tetrachloroethane	11.855	131	21845	19.261	ug/l	92
66) Ethyl Benzene	11.855	91	115952	18.717	ug/l	96
67) m/p-Xylenes	11.984	106	84571	36.724	ug/l	100
68) o-Xylene	12.354	106	43842	18.444	ug/l	94
69) Styrene	12.372	104	77862	18.245	ug/l	96
70) Isopropylbenzene	12.695	105	112666	19.323	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.983	83	41908	18.319	ug/l	98
72) 1,2,3-Trichloropropane	13.041	75	33529m	19.855	ug/l	
73) Bromobenzene	13.018	156	25235	18.405	ug/l	62
74) n-propylbenzene	13.088	91	133957	19.053	ug/l	97
75) 2-Chlorotoluene	13.294	91	81022	18.825	ug/l	99
76) 1,3,5-Trimethylbenzene	13.247	105	92823	19.405	ug/l	98
77) t-1,4-Dichloro-2-butene	12.754	75	15032	18.320	ug/l	83
78) 4-Chlorotoluene	13.182	91	79995	18.842	ug/l	95
79) tert-butylbenzene	13.547	119	81780	19.250	ug/l	95
80) 1,2,4-Trimethylbenzene	13.594	105	92019	18.438	ug/l	97
81) sec-Butylbenzene	13.746	105	121251	19.808	ug/l	99
82) p-Isopropyltoluene	13.876	119	100332	19.702	ug/l	97
83) 1,3-Dichlorobenzene	13.876	146	50750	18.874	ug/l	98
84) 1,4-Dichlorobenzene	13.970	146	50841	18.780	ug/l	96
85) n-Butylbenzene	14.246	91	93394	20.038	ug/l	98
86) Hexachloroethane	14.557	117	14320	20.982	ug/l #	1
87) 1,2-Dichlorobenzene	14.299	146	49956	18.597	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	15.004	75	9133	18.171	ug/l	98
89) 1,2,4-Trichlorobenzene	15.791	180	31453	19.234	ug/l	95
90) Hexachlorobutadiene	15.920	225	12363	22.802	ug/l	81
91) Naphthalene	16.085	128	117162	18.537	ug/l	98
92) 1,2,3-Trichlorobenzene	16.314	180	30833	18.680	ug/l	98

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

