

Data Path : Z:\voasrv\HPCHEM1\MSVOA_T\Data\VT102425\
 Data File : VT019173.D
 Acq On : 24 Oct 2025 10:11
 Operator : SY/MD
 Sample : VT1024WBS01
 Misc : 5.0mL/MSVOA_T/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_T
 ClientSampleId :
 VT1024WBS01

Quant Time: Oct 25 01:40:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_T\methods\624T102225W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 24 06:05:07 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.048	128	25420	30.000	ug/l	#-0.03
28) 1,4-Difluorobenzene	8.552	114	166396	30.000	ug/l	-0.02
57) Chlorobenzene-d5	11.725	117	139524	30.000	ug/l	-0.03
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.941	65	69414	31.168	ug/l	-0.03
Spiked Amount	30.000	Range	91 - 110	Recovery	=	103.900%
60) 4-Bromofluorobenzene	12.859	95	64490	29.409	ug/l	-0.03
Spiked Amount	30.000	Range	63 - 112	Recovery	=	98.033%
63) Toluene-d8	10.227	98	200148	29.473	ug/l	-0.03
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.233%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.872	85	15379	22.045	ug/l	100
3) Chloromethane	2.101	50	28806m	17.988	ug/l	
4) Vinyl Chloride	2.189	62	31918	17.835	ug/l	97
5) Bromomethane	2.536	94	27245	18.331	ug/l	88
6) Chloroethane	2.677	64	27578	17.473	ug/l	100
7) Trichlorofluoromethane	2.976	101	54129	18.650	ug/l	99
8) Diethyl Ether	3.341	74	29901	16.733	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.664	101	23737	20.831	ug/l	74
10) 1,1-Dichloroethene	3.646	96	21733	19.039	ug/l	95
11) Methyl Iodide	3.846	142	20244	18.198	ug/l #	10
12) Methyl Acetate	4.199	43	81825	18.127	ug/l	99
13) Acrolein	3.523	56	15556	102.180	ug/l #	64
14) Acrylonitrile	4.816	53	115537	83.040	ug/l	96
15) Acetone	3.717	58	41554	83.826	ug/l	96
16) Carbon Disulfide	3.940	76	39442	18.500	ug/l	97
17) Allyl chloride	4.199	41	52331	19.285	ug/l	91
18) Methylene Chloride	4.404	84	29587	17.378	ug/l	96
19) trans-1,2-Dichloroethene	6.660	96	32748	18.646	ug/l	93
20) Diisopropyl ether	5.779	45	123340	17.856	ug/l #	69
21) 1,1-Dichloroethane	5.673	63	57229	17.731	ug/l	99
22) cis-1,2-Dichloroethene	6.660	96	32748	18.646	ug/l	94
23) tert-Butyl Alcohol	4.639	59	52933	86.838	ug/l #	100
24) Methyl tert-Butyl Ether	4.880	73	121556	17.721	ug/l	98
25) Chloroform	7.242	83	54486	18.454	ug/l	100
26) Cyclohexane	7.536	56	37770	19.941	ug/l #	97
29) 1,1-Dichloropropene	7.689	75	32390	18.602	ug/l	95
30) 2-Butanone	6.672	43	170091	79.254	ug/l	100
31) 2,2-Dichloropropane	6.660	77	46950	18.417	ug/l #	92
32) 1,1,1-Trichloroethane	7.442	97	40631	18.522	ug/l #	76
33) Carbon Tetrachloride	7.671	117	28303	20.137	ug/l #	99
34) Benzene	7.953	78	113255	17.557	ug/l #	80
35) Methacrylonitrile	7.048	41	39121m	21.416	ug/l	
36) 1,2-Dichloroethane	8.041	62	41091	17.183	ug/l	99
37) Trichloroethene	8.823	130	22056	18.586	ug/l	99
38) Methylcyclohexane	9.093	83	34885	19.896	ug/l	98
39) 1,2-Dichloropropane	9.140	63	29137	17.246	ug/l #	83
40) Dibromomethane	9.234	93	17803	17.090	ug/l #	75
41) Bromodichloromethane	10.767	83	23551	17.601	ug/l #	90
42) Vinyl Acetate	5.720	43	458923	87.156	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	6.772	43	61121	17.325	ug/l	100
44) Isopropyl Acetate	8.094	43	95417	17.185	ug/l	98
45) 1,4-Dioxane	9.234	88	15860m	329.253	ug/l	
46) Methyl methacrylate	9.234	41	42490	17.115	ug/l	88
47) n-amyl Acetate	12.471	43	65528	17.538	ug/l	98
48) t-1,3-Dichloropropene	10.562	75	43356	17.857	ug/l	97
49) cis-1,3-Dichloropropene	9.945	75	44789	17.561	ug/l	99
50) 1,1,2-Trichloroethane	10.767	97	26251	17.133	ug/l #	85
51) Ethyl methacrylate	10.615	69	49877	17.370	ug/l	95
52) 1,3-Dichloropropane	10.926	76	47522	17.365	ug/l	100
53) Dibromochloromethane	11.149	129	26211	18.339	ug/l #	1
54) 1,2-Dibromoethane	11.267	107	24500	17.192	ug/l	98
55) 2-Chloroethyl vinyl ether	9.786	63	65736	78.495	ug/l	98
56) Bromoform	12.554	173	17889	19.039	ug/l #	17
58) 4-Methyl-2-Pentanone	10.109	43	276515	80.927	ug/l	98
59) 2-Hexanone	10.109	43	276515	80.927	ug/l #	82
61) Tetrachloroethene	10.844	164	16421	18.620	ug/l	93
62) Toluene	10.303	91	110271	17.645	ug/l	100
64) Chlorobenzene	11.755	112	67384	17.653	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.843	131	22788	18.327	ug/l	92
66) Ethyl Benzene	11.843	91	122521	18.040	ug/l	97
67) m/p-Xylenes	11.972	106	91351	36.182	ug/l	99
68) o-Xylene	12.342	106	46612	17.886	ug/l	94
69) Styrene	12.360	104	83100	17.761	ug/l	96
70) Isopropylbenzene	12.683	105	119094	18.631	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.971	83	44704	17.824	ug/l	97
72) 1,2,3-Trichloropropane	13.030	75	38511m	20.802	ug/l	
73) Bromobenzene	13.006	156	27813	18.503	ug/l	67
74) n-propylbenzene	13.071	91	145342	18.856	ug/l	99
75) 2-Chlorotoluene	13.282	91	88521	18.760	ug/l	99
76) 1,3,5-Trimethylbenzene	13.229	105	99918	19.053	ug/l	96
77) t-1,4-Dichloro-2-butene	12.742	75	16476	18.316	ug/l	85
78) 4-Chlorotoluene	13.171	91	85312	18.328	ug/l	93
79) tert-butylbenzene	13.535	119	87823	18.856	ug/l	92
80) 1,2,4-Trimethylbenzene	13.582	105	100730	18.410	ug/l	96
81) sec-Butylbenzene	13.735	105	132264	19.708	ug/l	99
82) p-Isopropyltoluene	13.864	119	108951	19.514	ug/l	97
83) 1,3-Dichlorobenzene	13.864	146	54859	18.609	ug/l	99
84) 1,4-Dichlorobenzene	13.958	146	55243	18.612	ug/l	99
85) n-Butylbenzene	14.234	91	104356	20.423	ug/l	98
86) Hexachloroethane	14.545	117	16168	21.608	ug/l #	1
87) 1,2-Dichlorobenzene	14.287	146	55573	18.870	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.992	75	9888	17.945	ug/l	98
89) 1,2,4-Trichlorobenzene	15.773	180	35124	19.592	ug/l	96
90) Hexachlorobutadiene	15.897	225	13751	23.133	ug/l	81
91) Naphthalene	16.061	128	130969	18.900	ug/l	98
92) 1,2,3-Trichlorobenzene	16.296	180	34854	19.261	ug/l	97

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

