

Data Path : Z:\voasrv\HPCHEM1\MSVOA_T\Data\VT102725\
 Data File : VT019184.D
 Acq On : 27 Oct 2025 8:02
 Operator : SY/MD
 Sample : VT1027WBS01
 Misc : 5.0mL/MSVOA_T/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_T
 ClientSampleId :
 VT1027WBS01

Manual Integrations
 APPROVED

Reviewed By :Amit
 Patel

10/30/2025
 Supervised By :Mahesh
 Dadoda

Quant Time: Oct 28 05:50:46 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	7.025	128	27612	30.000	ug/l	#-0.05
28) 1,4-Difluorobenzene	8.529	114	172856	30.000	ug/l	-0.05
57) Chlorobenzene-d5	11.708	117	140776	30.000	ug/l	-0.05

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.918	65	72144	29.823	ug/l	-0.05
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.400%
60) 4-Bromofluorobenzene	12.842	95	66441	30.030	ug/l	-0.05
Spiked Amount	30.000	Range	63 - 112	Recovery	=	100.100%
63) Toluene-d8	10.209	98	206718	30.169	ug/l	-0.05
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.567%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.866	85	15914	21.000	ug/l	99
3) Chloromethane	2.095	50	32199m	18.511	ug/l	
4) Vinyl Chloride	2.183	62	37542	19.312	ug/l	98
5) Bromomethane	2.524	94	30690	19.010	ug/l	90
6) Chloroethane	2.659	64	29261	17.067	ug/l	97
7) Trichlorofluoromethane	2.959	101	61048	19.364	ug/l	97
8) Diethyl Ether	3.323	74	33615	17.318	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.646	101	32640	26.370	ug/l	99
10) 1,1-Dichloroethene	3.629	96	32051	25.849	ug/l	98
11) Methyl Iodide	3.828	142	25608	21.193	ug/l #	10
12) Methyl Acetate	4.175	43	95363	19.449	ug/l	98
13) Acrolein	3.511	56	14304	86.497	ug/l	94
14) Acrylonitrile	4.792	53	135404	89.593	ug/l	98
15) Acetone	3.699	58	53789	99.894	ug/l	97
16) Carbon Disulfide	3.922	76	44065	19.028	ug/l	98
17) Allyl chloride	4.175	41	58925	19.992	ug/l	88
18) Methylene Chloride	4.392	84	34169	18.476	ug/l	97
19) trans-1,2-Dichloroethene	6.637	96	36833	19.307	ug/l	97
20) Diisopropyl ether	5.750	45	144182	19.216	ug/l #	69
21) 1,1-Dichloroethane	5.644	63	66919	19.087	ug/l	97
22) cis-1,2-Dichloroethene	6.637	96	36833	19.307	ug/l	94
23) tert-Butyl Alcohol	4.622	59	59308	89.572	ug/l #	100
24) Methyl tert-Butyl Ether	4.857	73	141371	18.974	ug/l	98
25) Chloroform	7.219	83	63477	19.793	ug/l	94
26) Cyclohexane	7.512	56	43524	21.155	ug/l #	98
29) 1,1-Dichloropropene	7.659	75	38006	21.012	ug/l	96
30) 2-Butanone	6.643	43	198839	89.187	ug/l	98
31) 2,2-Dichloropropane	6.631	77	54830	20.704	ug/l	92
32) 1,1,1-Trichloroethane	7.424	97	47802	20.977	ug/l #	78
33) Carbon Tetrachloride	7.648	117	33242	22.767	ug/l #	94
34) Benzene	7.930	78	129509m	19.326	ug/l	
35) Methacrylonitrile	6.995	41	32471	17.111	ug/l	98
36) 1,2-Dichloroethane	8.024	62	46606	18.761	ug/l	98
37) Trichloroethene	8.799	130	24312	19.721	ug/l	94
38) Methylcyclohexane	9.075	83	40953	22.483	ug/l	98
39) 1,2-Dichloropropane	9.116	63	33319	18.984	ug/l #	89
40) Dibromomethane	9.216	93	20530	18.971	ug/l #	76
41) Bromodichloromethane	10.744	83	26283m	18.908	ug/l	
42) Vinyl Acetate	5.691	43	519483	94.970	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	6.743	43	71928	19.626	ug/l	96
44) Isopropyl Acetate	8.071	43	107883	18.704	ug/l	96
45) 1,4-Dioxane	9.216	88	18170	363.111	ug/l #	74
46) Methyl methacrylate	9.205	41	48499	18.805	ug/l	88
47) n-amyl Acetate	12.454	43	74190	19.114	ug/l	98
48) t-1,3-Dichloropropene	10.538	75	50307	19.946	ug/l	99
49) cis-1,3-Dichloropropene	9.921	75	52535	19.828	ug/l	99
50) 1,1,2-Trichloroethane	10.750	97	30181	18.962	ug/l	90
51) Ethyl methacrylate	10.591	69	57273	19.201	ug/l	95
52) 1,3-Dichloropropane	10.908	76	53904	18.961	ug/l	99
53) Dibromochloromethane	11.132	129	29908	20.144	ug/l #	1
54) 1,2-Dibromoethane	11.249	107	27926	18.864	ug/l	97
55) 2-Chloroethyl vinyl ether	9.763	63	81040	93.153	ug/l	99
56) Bromoform	12.530	173	20017	20.508	ug/l #	18
58) 4-Methyl-2-Pentanone	10.092	43	315300	91.457	ug/l	98
59) 2-Hexanone	10.092	43	315756m	91.589	ug/l	
61) Tetrachloroethene	10.820	164	19517	21.934	ug/l	95
62) Toluene	10.280	91	126025	19.987	ug/l	100
64) Chlorobenzene	11.737	112	76663	19.905	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.819	131	25125	20.027	ug/l	90
66) Ethyl Benzene	11.825	91	139475	20.353	ug/l	97
67) m/p-Xylenes	11.948	106	103540	40.645	ug/l	97
68) o-Xylene	12.325	106	52192	19.849	ug/l	95
69) Styrene	12.336	104	92485	19.591	ug/l	96
70) Isopropylbenzene	12.665	105	136315	21.135	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.953	83	49322	19.490	ug/l	98
72) 1,2,3-Trichloropropane	13.012	75	40454m	21.657	ug/l	
73) Bromobenzene	12.983	156	30021	19.794	ug/l	61
74) n-propylbenzene	13.053	91	163872m	21.071	ug/l	
75) 2-Chlorotoluene	13.265	91	98914	20.776	ug/l	100
76) 1,3,5-Trimethylbenzene	13.212	105	112099	21.186	ug/l	96
77) t-1,4-Dichloro-2-butene	12.718	75	18172	20.021	ug/l	82
78) 4-Chlorotoluene	13.153	91	95110m	20.252	ug/l	
79) tert-butylbenzene	13.511	119	101186	21.532	ug/l	96
80) 1,2,4-Trimethylbenzene	13.558	105	113366	20.535	ug/l	99
81) sec-Butylbenzene	13.711	105	148692	21.959	ug/l	99
82) p-Isopropyltoluene	13.846	119	123188	21.868	ug/l	98
83) 1,3-Dichlorobenzene	13.840	146	60611m	20.378	ug/l	
84) 1,4-Dichlorobenzene	13.934	146	61945	20.685	ug/l	98
85) n-Butylbenzene	14.216	91	112263	21.775	ug/l	99
86) Hexachloroethane	14.522	117	19162	25.382	ug/l #	1
87) 1,2-Dichlorobenzene	14.263	146	60942	20.509	ug/l	96
88) 1,2-Dibromo-3-Chloropr...	14.969	75	10832	19.483	ug/l	97
89) 1,2,4-Trichlorobenzene	15.750	180	38461	21.262	ug/l	95
90) Hexachlorobutadiene	15.867	225	15147	25.255	ug/l	84
91) Naphthalene	16.044	128	140967	20.162	ug/l	99
92) 1,2,3-Trichlorobenzene	16.273	180	38163	20.902	ug/l	98

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

