

Data Path : Z:\voasrv\HPCHEM1\MSVOA_T\Data\VT102725\
 Data File : VT019183.D
 Acq On : 27 Oct 2025 7:36
 Operator : SY/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_T/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_T
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 10/30/2025
 Supervised By :Mahesh Dadoda 10/30/2025

Quant Time: Oct 28 05:49:52 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	7.019	128	25817	30.000	ug/l	#-0.06
28) 1,4-Difluorobenzene	8.529	114	169980	30.000	ug/l	-0.05
57) Chlorobenzene-d5	11.708	117	138695	30.000	ug/l	-0.05
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.918	65	70305	31.083	ug/l	-0.05
Spiked Amount 30.000	Range 91 - 110		Recovery = 103.600%			
60) 4-Bromofluorobenzene	12.836	95	63445	29.106	ug/l	-0.05
Spiked Amount 30.000	Range 63 - 112		Recovery = 97.033%			
63) Toluene-d8	10.209	98	203637	30.166	ug/l	-0.05
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.567%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.866	85	13344	18.833	ug/l	99
3) Chloromethane	2.089	50	30031m	18.465	ug/l	
4) Vinyl Chloride	2.183	62	29847	16.421	ug/l	98
5) Bromomethane	2.530	94	25326	16.778	ug/l	96
6) Chloroethane	2.665	64	27165	16.946	ug/l	97
7) Trichlorofluoromethane	2.959	101	51833	17.584	ug/l	99
8) Diethyl Ether	3.323	74	31026	17.095	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.652	101	28991	25.051	ug/l	97
10) 1,1-Dichloroethene	3.629	96	28937	24.960	ug/l	95
11) Methyl Iodide	3.829	142	21393	18.936	ug/l #	8
12) Methyl Acetate	4.175	43	92297	20.132	ug/l	100
13) Acrolein	3.499	56	13890	89.834	ug/l	98
14) Acrylonitrile	4.786	53	127851	90.477	ug/l	99
15) Acetone	3.699	58	58861	116.914	ug/l	99
16) Carbon Disulfide	3.923	76	39154	18.083	ug/l	98
17) Allyl chloride	4.175	41	49544	17.978	ug/l	98
18) Methylene Chloride	4.381	84	33296	19.256	ug/l	97
19) trans-1,2-Dichloroethene	6.631	96	34889	19.560	ug/l	97
20) Diisopropyl ether	5.750	45	137222	19.560	ug/l #	65
21) 1,1-Dichloroethane	5.644	63	62270	18.996	ug/l	98
22) cis-1,2-Dichloroethene	6.631	96	34889	19.560	ug/l	97
23) tert-Butyl Alcohol	4.610	59	53476	86.379	ug/l #	100
24) Methyl tert-Butyl Ether	4.851	73	133213	19.122	ug/l	96
25) Chloroform	7.213	83	57423	19.150	ug/l	93
26) Cyclohexane	7.513	56	36852	19.157	ug/l #	99
29) 1,1-Dichloropropene	7.665	75	31843	17.903	ug/l	97
30) 2-Butanone	6.643	43	188438	85.952	ug/l	98
31) 2,2-Dichloropropane	6.631	77	50113	19.243	ug/l	93
32) 1,1,1-Trichloroethane	7.424	97	43455m	19.392	ug/l	
33) Carbon Tetrachloride	7.642	117	28803m	20.061	ug/l	
34) Benzene	7.930	78	121964m	18.508	ug/l	
35) Methacrylonitrile	6.990	41	38543m	20.655	ug/l	
36) 1,2-Dichloroethane	8.018	62	45790	18.744	ug/l	99
37) Trichloroethene	8.799	130	22624	18.662	ug/l	90
38) Methylcyclohexane	9.070	83	33877	18.913	ug/l	99
39) 1,2-Dichloropropane	9.117	63	31265m	18.115	ug/l	
40) Dibromomethane	9.216	93	19677	18.491	ug/l #	73
41) Bromodichloromethane	10.738	83	25001m	18.290	ug/l	
42) Vinyl Acetate	5.685	43	484222	90.022	ug/l	99

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43) Ethyl Acetate	6.737	43	64877	18.002	ug/l	96
44) Isopropyl Acetate	8.071	43	104019	18.339	ug/l	98
45) 1,4-Dioxane	9.211	88	17670m	359.094	ug/l	
46) Methyl methacrylate	9.211	41	46024	18.147	ug/l	82
47) n-amyl Acetate	12.454	43	68435	17.929	ug/l	99
48) t-1,3-Dichloropropene	10.538	75	46636	18.803	ug/l	96
49) cis-1,3-Dichloropropene	9.922	75	49073	18.835	ug/l	96
50) 1,1,2-Trichloroethane	10.744	97	28692m	18.331	ug/l	
51) Ethyl methacrylate	10.591	69	54131	18.454	ug/l	95
52) 1,3-Dichloropropane	10.903	76	50878	18.200	ug/l	100
53) Dibromochloromethane	11.126	129	28126	19.264	ug/l #	2
54) 1,2-Dibromoethane	11.249	107	26224	18.014	ug/l	98
55) 2-Chloroethyl vinyl ether	9.763	63	77048	90.062	ug/l	98
56) Bromoform	12.530	173	19406	20.219	ug/l #	20
58) 4-Methyl-2-Pentanone	10.086	43	299561	88.195	ug/l	98
59) 2-Hexanone	10.086	43	299561m	88.195	ug/l	
61) Tetrachloroethene	10.820	164	17071	19.473	ug/l	96
62) Toluene	10.280	91	116279	18.718	ug/l	99
64) Chlorobenzene	11.737	112	69908	18.424	ug/l	92
65) 1,1,1,2-Tetrachloroethane	11.819	131	24053	19.460	ug/l	92
66) Ethyl Benzene	11.819	91	126861	18.790	ug/l	97
67) m/p-Xylenes	11.949	106	93020	37.063	ug/l	99
68) o-Xylene	12.319	106	46893	18.101	ug/l	97
69) Styrene	12.336	104	85192	18.317	ug/l	97
70) Isopropylbenzene	12.665	105	119861	18.863	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.953	83	45899	18.410	ug/l	96
72) 1,2,3-Trichloropropane	13.012	75	42752m	23.230	ug/l	
73) Bromobenzene	12.983	156	28271	18.920	ug/l	62
74) n-propylbenzene	13.053	91	145011m	18.926	ug/l	
75) 2-Chlorotoluene	13.259	91	87225	18.596	ug/l	96
76) 1,3,5-Trimethylbenzene	13.212	105	100894	19.354	ug/l	97
77) t-1,4-Dichloro-2-butene	12.718	75	17746	19.845	ug/l	87
78) 4-Chlorotoluene	13.153	91	89188m	19.276	ug/l	
79) tert-butylbenzene	13.511	119	88132	19.035	ug/l	96
80) 1,2,4-Trimethylbenzene	13.559	105	101160	18.599	ug/l	98
81) sec-Butylbenzene	13.711	105	125161	18.761	ug/l	99
82) p-Isopropyltoluene	13.841	119	104495	18.828	ug/l	97
83) 1,3-Dichlorobenzene	13.841	146	55948m	19.092	ug/l	
84) 1,4-Dichlorobenzene	13.935	146	56828	19.261	ug/l	98
85) n-Butylbenzene	14.211	91	93823	18.471	ug/l	97
86) Hexachloroethane	14.522	117	16078	21.617	ug/l #	1
87) 1,2-Dichlorobenzene	14.269	146	55556	18.977	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.969	75	10122	18.479	ug/l	99
89) 1,2,4-Trichlorobenzene	15.750	180	33296	18.683	ug/l	97
90) Hexachlorobutadiene	15.868	225	11610	19.648	ug/l	82
91) Naphthalene	16.044	128	121262	17.604	ug/l	98
92) 1,2,3-Trichlorobenzene	16.273	180	33694	18.731	ug/l	98

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

