

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111325\
 Data File : VN088278.D
 Acq On : 13 Nov 2025 11:50
 Operator : JC\MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Quant Time: Nov 14 00:35:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 14 00:31:19 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John Carlone 11/14/2025
 Supervised By :Semsettin Yesilyurt 11/14/2025

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

Internal Standards						
1) Bromochloromethane	7.800	128	58005	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	317019	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	293637	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	157963	33.756	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 112.533%#			
60) 4-Bromofluorobenzene	12.829	95	156905	32.446	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 108.167%			
63) Toluene-d8	10.547	98	418750	31.481	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 104.933%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	709810	200.169	ug/l	100
3) Chloromethane	2.383	50	668367	171.300	ug/l	96
4) Vinyl Chloride	2.536	62	726496	178.493	ug/l	99
5) Bromomethane	2.953	94	375277	172.250	ug/l	91
6) Chloroethane	3.124	64	434399	163.663	ug/l	97
7) Trichlorofluoromethane	3.506	101	1038285	184.971	ug/l	95
8) Diethyl Ether	3.959	74	355635	147.948	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.365	101	547868	183.214	ug/l	97
10) 1,1-Dichloroethene	4.336	96	517537	165.732	ug/l	87
11) Methyl Iodide	4.577	142	591847	195.920	ug/l	85
12) Methyl Acetate	5.018	43	781462	155.390	ug/l	94
13) Acrolein	4.177	56	588784	766.915	ug/l	98
14) Acrylonitrile	5.712	53	1792462	748.818	ug/l	99
15) Acetone	4.424	58	534918	764.044	ug/l	91
16) Carbon Disulfide	4.700	76	1711397	171.629	ug/l	99
17) Allyl chloride	5.012	41	969891	164.560	ug/l	96
18) Methylene Chloride	5.265	84	582523	148.024	ug/l	92
19) trans-1,2-Dichloroethene	5.777	96	577960	160.214	ug/l	97
20) Diisopropyl ether	6.659	45	2113687	160.079	ug/l	95
21) 1,1-Dichloroethane	6.553	63	1155893	164.822	ug/l	99
22) cis-1,2-Dichloroethene	7.471	96	670659	151.876	ug/l	99
23) tert-Butyl Alcohol	5.530	59	625469	667.554	ug/l #	100
24) Methyl tert-Butyl Ether	5.788	73	2019738	153.759	ug/l	98
25) Chloroform	7.947	83	1147984	160.537	ug/l	98
26) Cyclohexane	8.235	56	1077697	183.543	ug/l #	98
29) 1,1-Dichloropropene	8.353	75	859630	181.769	ug/l	98
30) 2-Butanone	7.471	43	2664153	795.735	ug/l	100
31) 2,2-Dichloropropane	7.471	77	1044376	173.782	ug/l	98
32) 1,1,1-Trichloroethane	8.153	97	1032260	176.224	ug/l	99
33) Carbon Tetrachloride	8.347	117	901323	182.420	ug/l	99
34) Benzene	8.588	78	2433755	159.383	ug/l	99
35) Methacrylonitrile	7.765	41	549670	156.696	ug/l	98
36) 1,2-Dichloroethane	8.653	62	946592	174.871	ug/l	98
37) Trichloroethene	9.335	130	553150	154.362	ug/l	96
38) Methylcyclohexane	9.582	83	1047944	181.852	ug/l	99
39) 1,2-Dichloropropane	9.600	63	620150	161.548	ug/l	98
40) Dibromomethane	9.688	93	445197	159.562	ug/l	100
41) Bromodichloromethane	9.871	83	931442	164.661	ug/l	99
42) Vinyl Acetate	6.588	43	8882940m	771.895	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.547	43	1028651m	157.776	ug/l	
44) Isopropyl Acetate	8.671	43	1685410	160.261	ug/l	100
45) 1,4-Dioxane	9.682	88	189937	2786.344	ug/l	96
46) Methyl methacrylate	9.665	41	816245	171.256	ug/l	94
47) n-amyl Acetate	12.482	43	886019	178.936	ug/l #	100
48) t-1,3-Dichloropropene	10.818	75	1031386	165.696	ug/l	96
49) cis-1,3-Dichloropropene	10.294	75	1045380	160.111	ug/l	99
50) 1,1,2-Trichloroethane	10.994	97	549793	151.328	ug/l	97
51) Ethyl methacrylate	10.853	69	1004034	164.532	ug/l	95
52) 1,3-Dichloropropane	11.141	76	1024092	160.116	ug/l	100
53) Dibromochloromethane	11.335	129	665870	154.580	ug/l	98
54) 1,2-Dibromoethane	11.447	107	585979	151.875	ug/l	98
55) 2-Chloroethyl vinyl ether	10.141	63	2859403	867.631	ug/l	99
56) Bromoform	12.559	173	437240	152.024	ug/l	98
58) 4-Methyl-2-Pentanone	10.423	43	5148363	780.630	ug/l	100
59) 2-Hexanone	11.176	43	3710506	855.949	ug/l	100
61) Tetrachloroethene	11.082	164	471972	156.418	ug/l	97
62) Toluene	10.606	91	2615873	155.630	ug/l	99
64) Chlorobenzene	11.870	112	1614092	152.242	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.941	131	550423	151.164	ug/l	96
66) Ethyl Benzene	11.941	91	3012482	164.765	ug/l	97
67) m/p-Xylenes	12.047	106	2231809	318.811	ug/l	98
68) o-Xylene	12.376	106	1059250	154.351	ug/l	100
69) Styrene	12.388	104	1832890	159.954	ug/l	98
70) Isopropylbenzene	12.670	105	2887068	167.970	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.917	83	864951	150.136	ug/l	99
72) 1,2,3-Trichloropropane	12.970	75	827243m	154.690	ug/l	
73) Bromobenzene	12.959	156	605473	147.441	ug/l	97
74) n-propylbenzene	13.011	91	3494880	167.395	ug/l	100
75) 2-Chlorotoluene	13.100	91	2070119	163.004	ug/l	99
76) 1,3,5-Trimethylbenzene	13.153	105	2410543	165.784	ug/l	99
77) t-1,4-Dichloro-2-butene	12.717	75	335518	159.527	ug/l	99
78) 4-Chlorotoluene	13.200	91	2139279	165.851	ug/l	100
79) tert-butylbenzene	13.417	119	2057918	164.402	ug/l	99
80) 1,2,4-Trimethylbenzene	13.459	105	2388876	164.890	ug/l	99
81) sec-Butylbenzene	13.594	105	3013988	168.738	ug/l	99
82) p-Isopropyltoluene	13.706	119	2513693	166.202	ug/l	99
83) 1,3-Dichlorobenzene	13.711	146	1197075	153.157	ug/l	98
84) 1,4-Dichlorobenzene	13.788	146	1213140	151.929	ug/l	99
85) n-Butylbenzene	14.035	91	2431132	171.034	ug/l	97
86) Hexachloroethane	14.311	117	468741	156.422	ug/l	99
87) 1,2-Dichlorobenzene	14.082	146	1121846	147.186	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.700	75	215743	165.376	ug/l	98
89) 1,2,4-Trichlorobenzene	15.811	180	662170	148.463	ug/l	98
90) Hexachlorobutadiene	15.476	225	257201	159.893	ug/l	96
91) Naphthalene	15.611	128	2454033	150.750	ug/l	100
92) 1,2,3-Trichlorobenzene	15.811	180	662170	148.463	ug/l	98

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

