

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112025\
 Data File : VN088324.D
 Acq On : 20 Nov 2025 12:23
 Operator : JC\MD
 Sample : Q3676-02MS
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OUTFALL-DSN-001MS

Quant Time: Nov 21 02:59:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 14 00:49:21 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/21/2025
 Supervised By : Semsettin Yesilyurt 11/21/2025

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

Internal Standards						
1) Bromochloromethane	7.800	128	38756	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	192300	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.841	117	177297	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	106259	30.016	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.067%			
60) 4-Bromofluorobenzene	12.824	95	88237	29.441	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 98.133%			
63) Toluene-d8	10.547	98	253741	30.229	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.767%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.142	85	55049	20.206	ug/l	93
3) Chloromethane	2.383	50	70383	25.057	ug/l	99
4) Vinyl Chloride	2.536	62	60019	20.208	ug/l	97
5) Bromomethane	2.983	94	33207	20.969	ug/l	88
6) Chloroethane	3.142	64	37852	20.618	ug/l	93
7) Trichlorofluoromethane	3.518	101	79131	19.004	ug/l	94
8) Diethyl Ether	3.965	74	33564	21.566	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.377	101	44092	20.184	ug/l	95
10) 1,1-Dichloroethene	4.336	96	42121	19.765	ug/l	81
11) Methyl Iodide	4.583	142	34059	15.017	ug/l #	80
12) Methyl Acetate	5.024	43	94664	27.534	ug/l	95
13) Acrolein	4.177	56	119848	236.923	ug/l	100
14) Acrylonitrile	5.712	53	184899	118.352	ug/l	98
15) Acetone	4.418	58	238856	522.816	ug/l	100
16) Carbon Disulfide	4.701	76	140148	19.499	ug/l #	94
17) Allyl chloride	5.012	41	86843	20.969	ug/l	97
18) Methylene Chloride	5.259	84	57960m	21.880	ug/l	
19) trans-1,2-Dichloroethene	5.783	96	50440	20.325	ug/l	93
20) Diisopropyl ether	6.659	45	183160	20.697	ug/l	96
21) 1,1-Dichloroethane	6.553	63	102562	20.571	ug/l	98
22) cis-1,2-Dichloroethene	7.471	96	60588	21.006	ug/l	96
23) tert-Butyl Alcohol	5.518	59	86902	151.276	ug/l #	100
24) Methyl tert-Butyl Ether	5.783	73	175652	20.442	ug/l	100
25) Chloroform	7.947	83	206158	41.729	ug/l	97
26) Cyclohexane	8.242	56	73479	17.448	ug/l #	93
29) 1,1-Dichloropropene	8.353	75	64463	20.091	ug/l	99
30) 2-Butanone	7.471	43	277648	133.772	ug/l	99
31) 2,2-Dichloropropane	7.477	77	84331	21.309	ug/l #	79
32) 1,1,1-Trichloroethane	8.147	97	87147	22.032	ug/l	98
33) Carbon Tetrachloride	8.341	117	71090	21.047	ug/l	94
34) Benzene	8.589	78	216537	22.578	ug/l	99
35) Methacrylonitrile	7.765	41	53522	24.722	ug/l	95
36) 1,2-Dichloroethane	8.653	62	84826	22.726	ug/l	100
37) Trichloroethene	9.330	130	46999	21.624	ug/l	97
38) Methylcyclohexane	9.583	83	65591	17.831	ug/l	98
39) 1,2-Dichloropropane	9.606	63	56379	22.785	ug/l	93
40) Dibromomethane	9.688	93	41453	23.317	ug/l	93
41) Bromodichloromethane	9.865	83	104917	29.316	ug/l	99
42) Vinyl Acetate	6.595	43	777197	112.193	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112025\
 Data File : VN088324.D
 Acq On : 20 Nov 2025 12:23
 Operator : JC\MD
 Sample : Q3676-02MS
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OUTFALL-DSN-001MS

Quant Time: Nov 21 02:59:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 14 00:49:21 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John Carlone 11/21/2025
 Supervised By :Semsettin Yesilyurt 11/21/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.547	43	90646	21.706	ug/l	98
44) Isopropyl Acetate	8.671	43	148594	23.089	ug/l	100
45) 1,4-Dioxane	9.677	88	25025	645.707	ug/l	93
46) Methyl methacrylate	9.665	41	67131	22.291	ug/l	94
47) n-amyl Acetate	12.665	43	74685m	22.901	ug/l	
48) t-1,3-Dichloropropene	10.818	75	83315	21.765	ug/l	97
49) cis-1,3-Dichloropropene	10.294	75	85691	21.515	ug/l	94
50) 1,1,2-Trichloroethane	10.994	97	51796	23.562	ug/l	95
51) Ethyl methacrylate	10.859	69	71430	19.750	ug/l	92
52) 1,3-Dichloropropane	11.141	76	94543	23.615	ug/l	98
53) Dibromochloromethane	11.341	129	61729	24.446	ug/l	98
54) 1,2-Dibromoethane	11.447	107	54818	24.000	ug/l	95
56) Bromoform	12.559	173	35779	22.386	ug/l	97
58) 4-Methyl-2-Pentanone	10.424	43	535316	133.495	ug/l	97
59) 2-Hexanone	11.177	43	324237	121.767	ug/l	97
61) Tetrachloroethene	11.083	164	37059	20.274	ug/l	91
62) Toluene	10.606	91	221455	21.766	ug/l	98
64) Chlorobenzene	11.871	112	136098	21.598	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.941	131	49287	22.852	ug/l	94
66) Ethyl Benzene	11.941	91	224822	20.049	ug/l	96
67) m/p-Xylenes	12.047	106	171340	40.859	ug/l	99
68) o-Xylene	12.377	106	80351	20.312	ug/l	98
69) Styrene	12.388	104	135376	20.149	ug/l	98
70) Isopropylbenzene	12.671	105	199403	19.020	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.918	83	82849	24.397	ug/l	99
72) 1,2,3-Trichloropropane	12.971	75	84371m	25.645	ug/l	
73) Bromobenzene	12.959	156	51490	21.755	ug/l	98
74) n-propylbenzene	13.012	91	256778	19.792	ug/l	99
75) 2-Chlorotoluene	13.100	91	161433	20.463	ug/l	99
76) 1,3,5-Trimethylbenzene	13.147	105	172975	19.656	ug/l	100
77) t-1,4-Dichloro-2-butene	12.718	75	24934	22.070	ug/l	97
78) 4-Chlorotoluene	13.200	91	168493	21.076	ug/l	99
79) tert-butylbenzene	13.412	119	144212	19.141	ug/l	99
80) 1,2,4-Trimethylbenzene	13.459	105	173123	19.784	ug/l	99
81) sec-Butylbenzene	13.594	105	208381	18.963	ug/l	100
82) p-Isopropyltoluene	13.706	119	169634	18.681	ug/l	98
83) 1,3-Dichlorobenzene	13.712	146	100823	21.926	ug/l	98
84) 1,4-Dichlorobenzene	13.788	146	99426	21.350	ug/l	97
85) n-Butylbenzene	14.035	91	160820	18.583	ug/l	100
86) Hexachloroethane	14.306	117	34521	19.855	ug/l	98
87) 1,2-Dichlorobenzene	14.082	146	92623	21.340	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.694	75	19447	24.363	ug/l	96
89) 1,2,4-Trichlorobenzene	15.806	180	48756	20.017	ug/l	96
90) Hexachlorobutadiene	15.470	225	20703	21.887	ug/l	95
91) Naphthalene	15.612	128	176667	20.046	ug/l	99
92) 1,2,3-Trichlorobenzene	15.806	180	48756	20.017	ug/l	96

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

