

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070925\
 Data File : VN087307.D
 Acq On : 09 Jul 2025 11:46
 Operator : JC\MD
 Sample : VN0709WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBS01

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Jul 10 01:23:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 25 10:49:56 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.818	128	42206	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	198713	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	190461	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	86598	27.232	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 90.767%#			
60) 4-Bromofluorobenzene	12.847	95	89155	30.335	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 101.100%			
63) Toluene-d8	10.565	98	244677	28.612	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 95.367%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.153	85	35585	14.006	ug/l	98
3) Chloromethane	2.401	50	32916	12.685	ug/l	97
4) Vinyl Chloride	2.553	62	36683	13.007	ug/l	98
5) Bromomethane	3.000	94	36242	24.214	ug/l	98
6) Chloroethane	3.159	64	32037	21.176	ug/l	90
7) Trichlorofluoromethane	3.524	101	61187	17.687	ug/l	94
8) Diethyl Ether	3.977	74	26214m	15.423	ug/l	
9) 1,1,2-Trichlorotrifluo...	4.400	101	37010	14.430	ug/l #	81
10) 1,1-Dichloroethene	4.371	96	34796	13.610	ug/l	96
11) Methyl Iodide	4.618	142	44650	19.494	ug/l	86
12) Methyl Acetate	5.053	43	55991	13.962	ug/l	97
13) Acrolein	4.200	56	49683	80.625	ug/l	99
14) Acrylonitrile	5.741	53	131485	70.291	ug/l	99
15) Acetone	4.453	58	40487	74.200	ug/l	95
16) Carbon Disulfide	4.736	76	93432	12.499	ug/l	100
17) Allyl chloride	5.053	41	45517	10.794	ug/l	95
18) Methylene Chloride	5.300	84	48227	16.283	ug/l	91
19) trans-1,2-Dichloroethene	5.812	96	40794	14.590	ug/l #	83
20) Diisopropyl ether	6.683	45	116926	13.069	ug/l	97
21) 1,1-Dichloroethane	6.588	63	75979	14.209	ug/l	98
22) cis-1,2-Dichloroethene	7.494	96	52879	16.250	ug/l	88
23) tert-Butyl Alcohol	5.530	59	54303	77.192	ug/l #	100
24) Methyl tert-Butyl Ether	5.818	73	143324	15.984	ug/l	98
25) Chloroform	7.971	83	86359	16.858	ug/l	99
26) Cyclohexane	8.265	56	50337	11.325	ug/l #	83
29) 1,1-Dichloropropene	8.377	75	50616	16.342	ug/l	97
30) 2-Butanone	7.494	43	173974	83.271	ug/l #	92
31) 2,2-Dichloropropane	7.500	77	66949	17.907	ug/l	98
32) 1,1,1-Trichloroethane	8.177	97	72767	20.110	ug/l	96
33) Carbon Tetrachloride	8.371	117	62546	20.540	ug/l	96
34) Benzene	8.612	78	169084	17.232	ug/l	98
35) Methacrylonitrile	7.783	41	35419	16.822	ug/l	82
36) 1,2-Dichloroethane	8.677	62	64907	20.474	ug/l	96
37) Trichloroethene	9.353	130	43654	19.288	ug/l	94
38) Methylcyclohexane	9.606	83	53933	15.176	ug/l	92
39) 1,2-Dichloropropane	9.624	63	42412	17.221	ug/l	96
40) Dibromomethane	9.712	93	36027	21.514	ug/l	96
41) Bromodichloromethane	9.888	83	69822	20.656	ug/l #	98
42) Vinyl Acetate	6.618	43	529576	77.932	ug/l #	92

07/10/2025
 Supervised By :Mahesh
 Radoda

07/10/2025

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
43) Ethyl Acetate	7.571	43	70329	18.647	ug/l	#	93
44) Isopropyl Acetate	8.694	43	102240	16.638	ug/l		96
45) 1,4-Dioxane	9.700	88	16847	405.289	ug/l	#	68
46) Methyl methacrylate	9.682	41	44834	15.695	ug/l		87
47) n-amyl Acetate	12.547	43	72943m	19.415	ug/l		
48) t-1,3-Dichloropropene	10.835	75	70502	18.710	ug/l		96
49) cis-1,3-Dichloropropene	10.312	75	72439	18.083	ug/l		99
50) 1,1,2-Trichloroethane	11.018	97	48134	20.234	ug/l		95
51) Ethyl methacrylate	10.882	69	59653	16.476	ug/l		88
52) 1,3-Dichloropropane	11.159	76	75171	18.406	ug/l		97
53) Dibromochloromethane	11.359	129	58898	23.587	ug/l		95
54) 1,2-Dibromoethane	11.471	107	53103	21.637	ug/l		100
55) 2-Chloroethyl vinyl ether	10.159	63	150764	72.645	ug/l		95
56) Bromoform	12.576	173	39096	22.775	ug/l	#	99
58) 4-Methyl-2-Pentanone	10.447	43	310568	81.110	ug/l		96
59) 2-Hexanone	11.212	43	185509	75.030	ug/l		98
61) Tetrachloroethene	11.100	164	37038	19.637	ug/l		92
62) Toluene	10.629	91	188704	17.543	ug/l		99
64) Chlorobenzene	11.888	112	133044	19.389	ug/l		99
65) 1,1,1,2-Tetrachloroethane	11.959	131	49898	22.009	ug/l		97
66) Ethyl Benzene	11.965	91	198442	16.854	ug/l		99
67) m/p-Xylenes	12.070	106	162011	35.908	ug/l		96
68) o-Xylene	12.400	106	77207	17.936	ug/l		95
69) Styrene	12.412	104	130571	17.669	ug/l		99
70) Isopropylbenzene	12.694	105	193899	18.087	ug/l		97
71) 1,1,2,2-Tetrachloroethane	12.935	83	76238	19.757	ug/l		97
72) 1,2,3-Trichloropropane	12.994	75	65104m	19.565	ug/l		
73) Bromobenzene	12.976	156	54969	21.138	ug/l		83
74) n-propylbenzene	13.035	91	233461	17.826	ug/l		95
75) 2-Chlorotoluene	13.123	91	144842	18.306	ug/l		95
76) 1,3,5-Trimethylbenzene	13.170	105	164627	18.863	ug/l		99
77) t-1,4-Dichloro-2-butene	12.735	75	25169	17.052	ug/l		95
78) 4-Chlorotoluene	13.217	91	148119	18.278	ug/l		93
79) tert-butylbenzene	13.435	119	142409	19.412	ug/l		97
80) 1,2,4-Trimethylbenzene	13.476	105	165733	18.911	ug/l		97
81) sec-Butylbenzene	13.612	105	198246	18.590	ug/l		96
82) p-Isopropyltoluene	13.729	119	173819	19.586	ug/l		98
83) 1,3-Dichlorobenzene	13.729	146	105439	21.055	ug/l		99
84) 1,4-Dichlorobenzene	13.812	146	104535	20.741	ug/l		98
85) n-Butylbenzene	14.053	91	145775	18.003	ug/l		96
86) Hexachloroethane	14.329	117	34727	20.672	ug/l		98
87) 1,2-Dichlorobenzene	14.106	146	100145	21.209	ug/l		99
88) 1,2-Dibromo-3-Chloropr...	14.723	75	17792	20.477	ug/l	#	84
89) 1,2,4-Trichlorobenzene	15.835	180	54005	20.216	ug/l		98
90) Hexachlorobutadiene	15.494	225	16583	20.919	ug/l		99
91) Naphthalene	15.635	128	200537	19.074	ug/l		99
92) 1,2,3-Trichlorobenzene	15.835	180	54005	20.216	ug/l		98

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

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