

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
 Data File : VN087448.D
 Acq On : 05 Aug 2025 10:06
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

08/06/2025
 Supervised By :Mahesh
 Dadoda

Quant Time: Aug 06 02:08:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 06 02:01:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	D
-----							08
Internal Standards							
1) Bromochloromethane	7.800	128	72959	30.000	ug/l	0.00	
28) 1,4-Difluorobenzene	9.082	114	411702	30.000	ug/l	0.00	
57) Chlorobenzene-d5	11.847	117	378620	30.000	ug/l	0.00	
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.565	65	205279	30.505	ug/l	0.00	
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.667%	
60) 4-Bromofluorobenzene	12.823	95	195685	30.032	ug/l	0.00	
Spiked Amount	30.000	Range	63 - 112	Recovery	=	100.100%	
63) Toluene-d8	10.547	98	515350	29.582	ug/l	0.00	
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.600%	
Target Compounds						Qvalue	
2) Dichlorodifluoromethane	2.142	85	81698	17.151	ug/l	99	
3) Chloromethane	2.383	50	81246	16.624	ug/l	94	
4) Vinyl Chloride	2.542	62	90458	17.451	ug/l	96	
5) Bromomethane	2.977	94	47349	16.876	ug/l	82	
6) Chloroethane	3.142	64	60933	18.230	ug/l	96	
7) Trichlorofluoromethane	3.512	101	134396	18.016	ug/l	94	
8) Diethyl Ether	3.965	74	55704	17.923	ug/l	96	
9) 1,1,2-Trichlorotrifluo...	4.371	101	67463	17.734	ug/l	88	
10) 1,1-Dichloroethene	4.336	96	67679	16.937	ug/l	87	
11) Methyl Iodide	4.583	142	38034	12.088	ug/l	97	
12) Methyl Acetate	5.018	43	163807	22.214	ug/l	97	
13) Acrolein	4.177	56	59454	52.789	ug/l	98	
14) Acrylonitrile	5.706	53	305609	94.911	ug/l	98	
15) Acetone	4.418	58	82325	89.482	ug/l	93	
16) Carbon Disulfide	4.700	76	195551	15.776	ug/l	99	
17) Allyl chloride	5.006	41	150096	18.429	ug/l	91	
18) Methylene Chloride	5.259	84	90763	17.644	ug/l	90	
19) trans-1,2-Dichloroethene	5.771	96	79957	16.827	ug/l	97	
20) Diisopropyl ether	6.659	45	358948	19.346	ug/l	98	
21) 1,1-Dichloroethane	6.547	63	181562	18.931	ug/l	99	
22) cis-1,2-Dichloroethene	7.471	96	107016	18.304	ug/l	98	
23) tert-Butyl Alcohol	5.518	59	128579	93.974	ug/l	# 100	
24) Methyl tert-Butyl Ether	5.789	73	343504	18.866	ug/l	99	
25) Chloroform	7.947	83	190681	19.047	ug/l	99	
26) Cyclohexane	8.241	56	135009	17.582	ug/l	# 97	
29) 1,1-Dichloropropene	8.353	75	118339	17.623	ug/l	99	
30) 2-Butanone	7.471	43	451349	91.188	ug/l	100	
31) 2,2-Dichloropropane	7.477	77	165732	19.136	ug/l	99	
32) 1,1,1-Trichloroethane	8.147	97	160281	18.715	ug/l	95	
33) Carbon Tetrachloride	8.347	117	129657m	18.224	ug/l		
34) Benzene	8.588	78	378307	17.847	ug/l	99	
35) Methacrylonitrile	7.759	41	95137	17.812	ug/l	97	
36) 1,2-Dichloroethane	8.653	62	157652	18.402	ug/l	99	
37) Trichloroethene	9.335	130	84470	18.091	ug/l	98	
38) Methylcyclohexane	9.582	83	133540	17.143	ug/l	98	
39) 1,2-Dichloropropane	9.600	63	100292	18.454	ug/l	97	
40) Dibromomethane	9.688	93	74729	18.327	ug/l	98	
41) Bromodichloromethane	9.871	83	157676	18.609	ug/l	97	
42) Vinyl Acetate	6.588	43	1613932	99.014	ug/l	98	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.547	43	177107m	18.522	ug/l	
44) Isopropyl Acetate	8.671	43	303599	18.730	ug/l	100
45) 1,4-Dioxane	9.677	88	40614	393.047	ug/l	99
46) Methyl methacrylate	9.665	41	139402	18.220	ug/l	91
47) n-amyl Acetate	12.518	43	170011m	18.987	ug/l	
48) t-1,3-Dichloropropene	10.818	75	167994	18.224	ug/l	97
49) cis-1,3-Dichloropropene	10.294	75	167382	18.043	ug/l	98
50) 1,1,2-Trichloroethane	10.994	97	97149	18.857	ug/l	97
51) Ethyl methacrylate	10.859	69	169707	18.704	ug/l	99
52) 1,3-Dichloropropane	11.141	76	172929	18.631	ug/l	99
53) Dibromochloromethane	11.341	129	116772	19.626	ug/l	97
54) 1,2-Dibromoethane	11.453	107	99207	18.140	ug/l	99
55) 2-Chloroethyl vinyl ether	10.141	63	436746	91.437	ug/l	99
56) Bromoform	12.559	173	71928	18.277	ug/l #	96
58) 4-Methyl-2-Pentanone	10.429	43	912659	93.703	ug/l	99
59) 2-Hexanone	11.176	43	614267	92.821	ug/l	99
61) Tetrachloroethene	11.082	164	65549	17.770	ug/l	94
62) Toluene	10.612	91	414633	17.743	ug/l	100
64) Chlorobenzene	11.871	112	261447	18.208	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.941	131	94862	18.790	ug/l	98
66) Ethyl Benzene	11.941	91	469351	18.020	ug/l	98
67) m/p-Xylenes	12.053	106	339581	35.519	ug/l	100
68) o-Xylene	12.376	106	169178	17.987	ug/l	98
69) Styrene	12.394	104	288596	17.970	ug/l	99
70) Isopropylbenzene	12.676	105	442228	18.506	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.918	83	155651	19.011	ug/l	97
72) 1,2,3-Trichloropropane	12.970	75	127461m	16.711	ug/l	
73) Bromobenzene	12.959	156	101166	18.263	ug/l	99
74) n-propylbenzene	13.012	91	541319	18.139	ug/l	99
75) 2-Chlorotoluene	13.106	91	333479	18.166	ug/l	100
76) 1,3,5-Trimethylbenzene	13.153	105	366342	17.905	ug/l	98
77) t-1,4-Dichloro-2-butene	12.717	75	51424	17.810	ug/l	86
78) 4-Chlorotoluene	13.200	91	344690	18.529	ug/l	98
79) tert-butylbenzene	13.417	119	317095	18.382	ug/l	98
80) 1,2,4-Trimethylbenzene	13.459	105	366906	17.946	ug/l	100
81) sec-Butylbenzene	13.594	105	456813	18.190	ug/l	99
82) p-Isopropyltoluene	13.706	119	382192	18.329	ug/l	99
83) 1,3-Dichlorobenzene	13.712	146	186588	17.688	ug/l	97
84) 1,4-Dichlorobenzene	13.788	146	200047	18.706	ug/l	99
85) n-Butylbenzene	14.035	91	374400	18.352	ug/l	98
86) Hexachloroethane	14.312	117	77174	18.953	ug/l	95
87) 1,2-Dichlorobenzene	14.082	146	189854	18.855	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.694	75	37808	18.228	ug/l	96
89) 1,2,4-Trichlorobenzene	15.811	180	109387	18.178	ug/l	99
90) Hexachlorobutadiene	15.476	225	42675	18.237	ug/l	97
91) Naphthalene	15.611	128	415572	18.112	ug/l	99
92) 1,2,3-Trichlorobenzene	15.811	180	109387	18.178	ug/l	99

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

