

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090425\
 Data File : VN087716.D
 Acq On : 04 Sep 2025 12:38
 Operator : JC\MD
 Sample : VN0904WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 05 02:19:01 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

Manual Integrations
 APPROVED

Reviewed By :Semsettin
 Yesilyurt

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

Internal Standards						
1) Bromochloromethane	7.794	128	46987	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	246294	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	222512	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	120474	27.798	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	92.667%		
60) 4-Bromofluorobenzene	12.829	95	109013	28.468	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	94.900%		
63) Toluene-d8	10.547	98	303926	29.685	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	98.967%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	62535	20.385	ug/l	94
3) Chloromethane	2.383	50	60059	19.082	ug/l	97
4) Vinyl Chloride	2.536	62	69363	20.778	ug/l	95
5) Bromomethane	2.971	94	48234	26.694	ug/l	83
6) Chloroethane	3.136	64	46784	21.733	ug/l	98
7) Trichlorofluoromethane	3.506	101	108310	22.544	ug/l	100
8) Diethyl Ether	3.959	74	42508	21.237	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.365	101	61513	25.108	ug/l	99
10) 1,1-Dichloroethene	4.342	96	56490	21.951	ug/l	80
11) Methyl Iodide	4.583	142	36400	17.964	ug/l	92
12) Methyl Acetate	5.018	43	109468	23.051	ug/l #	91
13) Acrolein	4.171	56	76010	104.794	ug/l	97
14) Acrylonitrile	5.706	53	193739	93.426	ug/l	98
15) Acetone	4.424	58	57070	96.319	ug/l	86
16) Carbon Disulfide	4.700	76	146362	18.335	ug/l	99
17) Allyl chloride	5.012	41	91309	17.408	ug/l	91
18) Methylene Chloride	5.271	84	65247	19.695	ug/l	90
19) trans-1,2-Dichloroethene	5.771	96	58256	19.036	ug/l #	94
20) Diisopropyl ether	6.659	45	224989	18.829	ug/l	97
21) 1,1-Dichloroethane	6.553	63	115682	18.729	ug/l #	96
22) cis-1,2-Dichloroethene	7.471	96	70834	18.812	ug/l	98
23) tert-Butyl Alcohol	5.524	59	71235	80.841	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	209746	17.887	ug/l	97
25) Chloroform	7.953	83	126402	19.605	ug/l	99
26) Cyclohexane	8.241	56	89790	18.156	ug/l #	96
29) 1,1-Dichloropropene	8.347	75	81325	20.245	ug/l	99
30) 2-Butanone	7.471	43	291380	98.404	ug/l #	82
31) 2,2-Dichloropropane	7.471	77	103342	19.946	ug/l #	79
32) 1,1,1-Trichloroethane	8.147	97	107431	20.969	ug/l	95
33) Carbon Tetrachloride	8.341	117	88828	20.870	ug/l	94
34) Benzene	8.588	78	254532	20.073	ug/l	97
35) Methacrylonitrile	7.759	41	57887	18.116	ug/l	95
36) 1,2-Dichloroethane	8.653	62	98643	19.247	ug/l	99
37) Trichloroethene	9.330	130	58350	20.890	ug/l	97
38) Methylcyclohexane	9.577	83	88823	19.060	ug/l	99
39) 1,2-Dichloropropane	9.600	63	68663	21.119	ug/l	97
40) Dibromomethane	9.688	93	50029	20.509	ug/l	97
41) Bromodichloromethane	9.865	83	101960	20.115	ug/l	99
42) Vinyl Acetate	6.589	43	885124	90.770	ug/l	98

09/05/2025
 Supervised By :Mahesh
 adoda

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
43) Ethyl Acetate	7.547	43	111211	19.441	ug/l	97	09/05/2025
44) Isopropyl Acetate	8.677	43	183479	18.922	ug/l	97	Supervised By : Mahesh
45) 1,4-Dioxane	9.682	88	23806	385.110	ug/l #	87	Dadoda
46) Methyl methacrylate	9.659	41	80320	17.548	ug/l	96	
47) n-amyl Acetate	12.541	43	101718m	18.989	ug/l		
48) t-1,3-Dichloropropene	10.818	75	106677	19.344	ug/l	99	
49) cis-1,3-Dichloropropene	10.294	75	108236	19.503	ug/l	93	09/05/2025
50) 1,1,2-Trichloroethane	10.994	97	68256	22.146	ug/l	97	
51) Ethyl methacrylate	10.859	69	101895	18.772	ug/l	95	
52) 1,3-Dichloropropane	11.141	76	113637	20.465	ug/l	97	
53) Dibromochloromethane	11.335	129	75193	21.125	ug/l	96	
54) 1,2-Dibromoethane	11.453	107	66187	20.230	ug/l	99	
55) 2-Chloroethyl vinyl ether	10.141	63	294669	103.123	ug/l	99	
56) Bromoform	12.559	173	47049	19.985	ug/l #	99	
58) 4-Methyl-2-Pentanone	10.424	43	579891	101.308	ug/l	100	
59) 2-Hexanone	11.176	43	360418	92.671	ug/l	99	
61) Tetrachloroethene	11.082	164	47378	21.855	ug/l	94	
62) Toluene	10.606	91	281160	20.473	ug/l	98	
64) Chlorobenzene	11.871	112	171933	20.374	ug/l	99	
65) 1,1,1,2-Tetrachloroethane	11.941	131	63573	21.427	ug/l	95	
66) Ethyl Benzene	11.941	91	302575	19.767	ug/l	99	
67) m/p-Xylenes	12.047	106	221209	39.370	ug/l	99	
68) o-Xylene	12.376	106	106491	19.265	ug/l	97	
69) Styrene	12.388	104	182406	19.326	ug/l	97	
70) Isopropylbenzene	12.676	105	284473	20.257	ug/l	100	
71) 1,1,2,2-Tetrachloroethane	12.918	83	102118	21.223	ug/l	99	
72) 1,2,3-Trichloropropane	12.970	75	97496m	21.750	ug/l		
73) Bromobenzene	12.959	156	66461	20.415	ug/l	95	
74) n-propylbenzene	13.012	91	353290	20.144	ug/l	100	
75) 2-Chlorotoluene	13.106	91	210740	19.534	ug/l	97	
76) 1,3,5-Trimethylbenzene	13.153	105	241598	20.093	ug/l	98	
77) t-1,4-Dichloro-2-butene	12.718	75	32235	18.997	ug/l	85	
78) 4-Chlorotoluene	13.200	91	223950	20.484	ug/l	99	
79) tert-butylbenzene	13.418	119	203336	20.057	ug/l	97	
80) 1,2,4-Trimethylbenzene	13.459	105	239788	19.957	ug/l	99	
81) sec-Butylbenzene	13.594	105	304693	20.645	ug/l	99	
82) p-Isopropyltoluene	13.706	119	248332	20.265	ug/l	99	
83) 1,3-Dichlorobenzene	13.712	146	134671	21.724	ug/l	99	
84) 1,4-Dichlorobenzene	13.788	146	129848	20.660	ug/l	97	
85) n-Butylbenzene	14.035	91	245310	20.461	ug/l	98	
86) Hexachloroethane	14.306	117	49777	20.801	ug/l	96	
87) 1,2-Dichlorobenzene	14.082	146	127712	21.582	ug/l	98	
88) 1,2-Dibromo-3-Chloropr...	14.694	75	23453	19.240	ug/l	98	
89) 1,2,4-Trichlorobenzene	15.817	180	73596	20.810	ug/l	98	
90) Hexachlorobutadiene	15.470	225	26926	19.580	ug/l	97	
91) Naphthalene	15.611	128	260334	19.306	ug/l	99	
92) 1,2,3-Trichlorobenzene	15.817	180	73596	20.810	ug/l	98	

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

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