

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072225\
 Data File : VN087391.D
 Acq On : 22 Jul 2025 15:50
 Operator : JC\MD
 Sample : VN0722WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0722WBSD01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/23/2025
 Supervised By :Semsettin Yesilyurt 07/23/2025

Quant Time: Jul 23 05:56:06 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	7.800	128	28135	30.000	ug/l	-0.02
28) 1,4-Difluorobenzene	9.088	114	133851	30.000	ug/l	-0.02
57) Chlorobenzene-d5	11.847	117	128141	30.000	ug/l	-0.02
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	68880	32.493	ug/l	-0.02
Spiked Amount	30.000	Range	91 - 110	Recovery	=	108.300%
60) 4-Bromofluorobenzene	12.829	95	61874	31.291	ug/l	-0.02
Spiked Amount	30.000	Range	63 - 112	Recovery	=	104.300%
63) Toluene-d8	10.547	98	169859	29.523	ug/l	-0.02
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.148	85	21144	12.485	ug/l	94
3) Chloromethane	2.389	50	21961	12.695	ug/l	99
4) Vinyl Chloride	2.542	62	26414	14.050	ug/l	98
5) Bromomethane	2.983	94	16889	16.927	ug/l	95
6) Chloroethane	3.142	64	21319	21.139	ug/l	99
7) Trichlorofluoromethane	3.518	101	47616	20.648	ug/l	99
8) Diethyl Ether	3.965	74	19829	17.501	ug/l	82
9) 1,1,2-Trichlorotrifluo...	4.371	101	26256m	15.357	ug/l	
10) 1,1-Dichloroethene	4.330	96	25377	14.890	ug/l #	81
11) Methyl Iodide	4.583	142	16121	10.558	ug/l	83
12) Methyl Acetate	5.018	43	43182	16.153	ug/l	92
13) Acrolein	4.177	56	37098	90.311	ug/l	91
14) Acrylonitrile	5.712	53	84116	67.457	ug/l	98
15) Acetone	4.430	58	36133	99.339	ug/l	77
16) Carbon Disulfide	4.706	76	56857	11.410	ug/l	97
17) Allyl chloride	5.018	41	35780	12.728	ug/l	96
18) Methylene Chloride	5.265	84	28386m	14.377	ug/l	
19) trans-1,2-Dichloroethene	5.771	96	26040	13.971	ug/l	90
20) Diisopropyl ether	6.665	45	91137	15.281	ug/l	94
21) 1,1-Dichloroethane	6.553	63	52262	14.662	ug/l	97
22) cis-1,2-Dichloroethene	7.477	96	31044	14.311	ug/l	99
23) tert-Butyl Alcohol	5.524	59	30316	64.647	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	90839	15.197	ug/l	96
25) Chloroform	7.953	83	56306	16.488	ug/l	97
26) Cyclohexane	8.241	56	31365	10.586	ug/l #	90
29) 1,1-Dichloropropene	8.353	75	33546	16.080	ug/l	99
30) 2-Butanone	7.471	43	125628	89.269	ug/l	96
31) 2,2-Dichloropropane	7.477	77	48366	19.205	ug/l #	77
32) 1,1,1-Trichloroethane	8.147	97	47398	19.447	ug/l	98
33) Carbon Tetrachloride	8.347	117	41247	20.110	ug/l	95
34) Benzene	8.588	78	111316	16.842	ug/l	98
35) Methacrylonitrile	7.771	41	24739	17.443	ug/l	97
36) 1,2-Dichloroethane	8.653	62	45393	21.257	ug/l	98
37) Trichloroethene	9.335	130	26174	17.169	ug/l	87
38) Methylcyclohexane	9.582	83	30645	12.802	ug/l	94
39) 1,2-Dichloropropane	9.600	63	29498	17.782	ug/l	95
40) Dibromomethane	9.688	93	23266	20.626	ug/l	94
41) Bromodichloromethane	9.871	83	45953	20.183	ug/l	97
42) Vinyl Acetate	6.588	43	374368	81.789	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.547	43	48130m	18.945	ug/l	
44) Isopropyl Acetate	8.671	43	76758	18.544	ug/l	96
45) 1,4-Dioxane	9.682	88	10439	372.826	ug/l #	89
46) Methyl methacrylate	9.665	41	34534	17.947	ug/l	91
47) n-amyl Acetate	12.523	43	45855m	18.120	ug/l	
48) t-1,3-Dichloropropene	10.818	75	44305	17.455	ug/l	96
49) cis-1,3-Dichloropropene	10.294	75	45992	17.045	ug/l	92
50) 1,1,2-Trichloroethane	11.000	97	29296	18.283	ug/l	95
51) Ethyl methacrylate	10.859	69	39945m	16.379	ug/l	
52) 1,3-Dichloropropane	11.141	76	49006	17.814	ug/l	98
53) Dibromochloromethane	11.341	129	35342	21.012	ug/l	97
54) 1,2-Dibromoethane	11.447	107	28802	17.422	ug/l	94
55) 2-Chloroethyl vinyl ether	10.141	63	127073	90.900	ug/l	100
56) Bromoform	12.559	173	22156	19.162	ug/l #	94
58) 4-Methyl-2-Pentanone	10.429	43	250236	97.137	ug/l	95
59) 2-Hexanone	11.182	43	165334	99.392	ug/l	88
61) Tetrachloroethene	11.088	164	21223	16.724	ug/l	93
62) Toluene	10.612	91	116231	16.060	ug/l	99
64) Chlorobenzene	11.870	112	76559	16.584	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.941	131	29105	19.081	ug/l	96
66) Ethyl Benzene	11.947	91	121606	15.351	ug/l	98
67) m/p-Xylenes	12.053	106	97084	31.983	ug/l	98
68) o-Xylene	12.382	106	44422	15.339	ug/l	99
69) Styrene	12.388	104	77788	15.646	ug/l	98
70) Isopropylbenzene	12.676	105	115616	16.030	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.917	83	46649	17.969	ug/l	97
72) 1,2,3-Trichloropropane	12.970	75	44392m	19.829	ug/l	
73) Bromobenzene	12.959	156	30882	17.651	ug/l	89
74) n-propylbenzene	13.017	91	149770	16.997	ug/l	100
75) 2-Chlorotoluene	13.106	91	89057	16.729	ug/l	95
76) 1,3,5-Trimethylbenzene	13.153	105	102068	17.383	ug/l	98
77) t-1,4-Dichloro-2-butene	12.717	75	14584	14.686	ug/l	89
78) 4-Chlorotoluene	13.200	91	96524	17.704	ug/l	100
79) tert-butylbenzene	13.417	119	84143	17.048	ug/l	99
80) 1,2,4-Trimethylbenzene	13.464	105	101815	17.268	ug/l	100
81) sec-Butylbenzene	13.594	105	123772	17.251	ug/l	100
82) p-Isopropyltoluene	13.706	119	103843	17.392	ug/l	98
83) 1,3-Dichlorobenzene	13.717	146	61115	18.140	ug/l	99
84) 1,4-Dichlorobenzene	13.794	146	62712	18.495	ug/l	98
85) n-Butylbenzene	14.035	91	92646	17.006	ug/l	99
86) Hexachloroethane	14.311	117	21536	19.054	ug/l	93
87) 1,2-Dichlorobenzene	14.088	146	59011	18.576	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.694	75	10110	17.294	ug/l	95
89) 1,2,4-Trichlorobenzene	15.817	180	33674	18.736	ug/l	96
90) Hexachlorobutadiene	15.476	225	14823	27.793	ug/l	96
91) Naphthalene	15.617	128	111303	15.735	ug/l	100
92) 1,2,3-Trichlorobenzene	15.817	180	33674	18.736	ug/l	96

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

