

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082025\
 Data File : VN087610.D
 Acq On : 20 Aug 2025 12:19
 Operator : JC\MD
 Sample : Q2902-03MSD
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OUTFALL-DSN-001MSD

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Aug 21 02:42:57 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)

Internal Standards						
1) Bromochloromethane	7.806	128	50973	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	275779	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	252017	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	140248	29.830	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.433%
60) 4-Bromofluorobenzene	12.829	95	126193	29.096	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	97.000%
63) Toluene-d8	10.547	98	347386	29.958	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.867%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	57826	17.376	ug/l	95
3) Chloromethane	2.389	50	58556	17.149	ug/l	96
4) Vinyl Chloride	2.536	62	66404	18.336	ug/l	96
5) Bromomethane	2.977	94	34485	17.592	ug/l	88
6) Chloroethane	3.136	64	43544	18.646	ug/l	96
7) Trichlorofluoromethane	3.506	101	102202	19.609	ug/l	99
8) Diethyl Ether	3.965	74	43643	20.099	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.365	101	54320	20.438	ug/l	97
10) 1,1-Dichloroethene	4.336	96	54720	19.601	ug/l	92
11) Methyl Iodide	4.583	142	28507	12.968	ug/l	98
12) Methyl Acetate	5.018	43	103815	20.151	ug/l	97
13) Acrolein	4.171	56	104554	132.875	ug/l	95
14) Acrylonitrile	5.706	53	210291	93.478	ug/l	90
15) Acetone	4.424	58	437593	680.789	ug/l	99
16) Carbon Disulfide	4.700	76	143842	16.610	ug/l	96
17) Allyl chloride	5.012	41	98235	17.264	ug/l	98
18) Methylene Chloride	5.259	84	66437	18.486	ug/l	92
19) trans-1,2-Dichloroethene	5.783	96	59317m	17.867	ug/l	
20) Diisopropyl ether	6.659	45	224304	17.304	ug/l	96
21) 1,1-Dichloroethane	6.553	63	121494	18.132	ug/l	97
22) cis-1,2-Dichloroethene	7.477	96	74151	18.153	ug/l	95
23) tert-Butyl Alcohol	5.530	59	97790	102.299	ug/l #	100
24) Methyl tert-Butyl Ether	5.794	73	228636	17.973	ug/l	97
25) Chloroform	7.953	83	216256	30.919	ug/l	96
26) Cyclohexane	8.241	56	90204	16.814	ug/l #	94
29) 1,1-Dichloropropene	8.359	75	82031	18.237	ug/l	100
30) 2-Butanone	7.471	43	331697	100.043	ug/l	98
31) 2,2-Dichloropropane	7.477	77	104806	18.066	ug/l #	85
32) 1,1,1-Trichloroethane	8.153	97	107594	18.755	ug/l	95
33) Carbon Tetrachloride	8.347	117	87085	18.273	ug/l	90
34) Benzene	8.588	78	264834	18.652	ug/l	95
35) Methacrylonitrile	7.771	41	65547	18.320	ug/l	95
36) 1,2-Dichloroethane	8.659	62	104757	18.254	ug/l	99
37) Trichloroethene	9.335	130	57627	18.425	ug/l	94
38) Methylcyclohexane	9.582	83	91656	17.565	ug/l	95
39) 1,2-Dichloropropane	9.600	63	67672	18.589	ug/l	94
40) Dibromomethane	9.688	93	52422	19.192	ug/l	98
41) Bromodichloromethane	9.871	83	123714	21.797	ug/l	98
42) Vinyl Acetate	6.588	43	960141	87.936	ug/l	99

08/21/2025
 Supervised By :Mahesh
 adoda

08/25/2025

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
43) Ethyl Acetate	7.547	43	122132	19.068	ug/l	99	08/21/2025
44) Isopropyl Acetate	8.677	43	199877	18.409	ug/l	99	Supervised By :Mahesh
45) 1,4-Dioxane	9.682	88	31004	447.928	ug/l #	91	Dadoda
46) Methyl methacrylate	9.665	41	88006	17.171	ug/l	91	
47) n-amyl Acetate	12.612	43	108845m	18.147	ug/l		
48) t-1,3-Dichloropropene	10.818	75	106833	17.301	ug/l	98	
49) cis-1,3-Dichloropropene	10.294	75	111466	17.937	ug/l	94	08/25/2025
50) 1,1,2-Trichloroethane	10.994	97	67190	19.470	ug/l	95	
51) Ethyl methacrylate	10.853	69	103557	17.039	ug/l	93	
52) 1,3-Dichloropropane	11.147	76	113929	18.324	ug/l	97	
53) Dibromochloromethane	11.335	129	81285	20.395	ug/l	96	
54) 1,2-Dibromoethane	11.447	107	67440	18.409	ug/l	100	
56) Bromoform	12.559	173	47759	18.117	ug/l #	99	
58) 4-Methyl-2-Pentanone	10.424	43	613509	94.633	ug/l	99	
59) 2-Hexanone	11.182	43	388929	88.294	ug/l	100	
61) Tetrachloroethene	11.082	164	45807	18.657	ug/l	93	
62) Toluene	10.612	91	281103	18.072	ug/l	98	
64) Chlorobenzene	11.870	112	170870	17.878	ug/l	99	
65) 1,1,1,2-Tetrachloroethane	11.941	131	61453	18.288	ug/l	98	
66) Ethyl Benzene	11.947	91	310502	17.910	ug/l	95	
67) m/p-Xylenes	12.053	106	225758	35.476	ug/l	98	
68) o-Xylene	12.376	106	111055	17.739	ug/l	97	
69) Styrene	12.388	104	187109	17.503	ug/l	98	
70) Isopropylbenzene	12.670	105	284147	17.865	ug/l	100	
71) 1,1,2,2-Tetrachloroethane	12.917	83	105317	19.325	ug/l	98	
72) 1,2,3-Trichloropropane	12.970	75	101795m	20.051	ug/l		
73) Bromobenzene	12.959	156	68024	18.449	ug/l	97	
74) n-propylbenzene	13.017	91	357358	17.990	ug/l	100	
75) 2-Chlorotoluene	13.106	91	219624	17.974	ug/l	100	
76) 1,3,5-Trimethylbenzene	13.153	105	244079	17.922	ug/l	98	
77) t-1,4-Dichloro-2-butene	12.717	75	30885	16.070	ug/l	93	
78) 4-Chlorotoluene	13.200	91	227224	18.350	ug/l	98	
79) tert-butylbenzene	13.417	119	207371	18.060	ug/l	98	
80) 1,2,4-Trimethylbenzene	13.459	105	244067	17.935	ug/l	99	
81) sec-Butylbenzene	13.594	105	304284	18.203	ug/l	99	
82) p-Isopropyltoluene	13.706	119	248191	17.882	ug/l	99	
83) 1,3-Dichlorobenzene	13.712	146	129613	18.460	ug/l	96	
84) 1,4-Dichlorobenzene	13.788	146	134105	18.839	ug/l	99	
85) n-Butylbenzene	14.035	91	248328	18.287	ug/l	98	
86) Hexachloroethane	14.306	117	48153	17.767	ug/l	98	
87) 1,2-Dichlorobenzene	14.088	146	126573	18.885	ug/l	100	
88) 1,2-Dibromo-3-Chloropr...	14.700	75	24476	17.729	ug/l	95	
89) 1,2,4-Trichlorobenzene	15.811	180	74796	18.673	ug/l	98	
90) Hexachlorobutadiene	15.470	225	29310	18.818	ug/l	97	
91) Naphthalene	15.617	128	275531	18.041	ug/l	99	
92) 1,2,3-Trichlorobenzene	15.811	180	74796	18.673	ug/l	98	

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

