

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121025\
 Data File : VN088496.D
 Acq On : 10 Dec 2025 13:45
 Operator : JC\MD
 Sample : VN1210WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBSD01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/11/2025
 Supervised By :Semsettin Yesilyurt 12/11/2025

Quant Time: Dec 11 02:06:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 25 01:34:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	226609	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	440776	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	408174	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	199717	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	259490	60.787	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 121.580%			
35) Dibromofluoromethane	8.147	113	169025	55.335	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.680%			
50) Toluene-d8	10.541	98	597142	52.541	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.080%			
62) 4-Bromofluorobenzene	12.823	95	210912	54.085	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.160%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	62439	18.345	ug/l	96
3) Chloromethane	2.383	50	67502	18.465	ug/l	98
4) Vinyl Chloride	2.536	62	67189	18.067	ug/l	99
5) Bromomethane	2.989	94	33391	18.655	ug/l	90
6) Chloroethane	3.148	64	43783	19.024	ug/l	99
7) Trichlorofluoromethane	3.524	101	99969	19.126	ug/l	92
8) Diethyl Ether	3.959	74	38362	19.554	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.377	101	52513	18.872	ug/l	98
10) Methyl Iodide	4.583	142	42947	15.591	ug/l #	93
11) Tert butyl alcohol	5.506	59	60652	88.991	ug/l	99
12) 1,1-Dichloroethene	4.342	96	53154	19.226	ug/l	89
13) Acrolein	4.177	56	52703	80.771	ug/l	100
14) Allyl chloride	5.018	41	97887	19.102	ug/l	98
15) Acrylonitrile	5.706	53	206874	105.204	ug/l	98
16) Acetone	4.418	43	226535	146.735	ug/l	98
17) Carbon Disulfide	4.712	76	161159	17.839	ug/l	99
18) Methyl Acetate	5.018	43	101935	22.181	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	211986	20.466	ug/l	99
20) Methylene Chloride	5.265	84	66444	20.116	ug/l	98
21) trans-1,2-Dichloroethene	5.783	96	58805	19.201	ug/l	98
22) Diisopropyl ether	6.653	45	230841	21.101	ug/l	91
23) Vinyl Acetate	6.589	43	1022501	116.006	ug/l	98
24) 1,1-Dichloroethane	6.559	63	128321	20.712	ug/l	95
25) 2-Butanone	7.465	43	288097	116.079	ug/l	94
26) 2,2-Dichloropropane	7.471	77	105983	19.819	ug/l	99
27) cis-1,2-Dichloroethene	7.471	96	71205	20.006	ug/l	98
28) Bromochloromethane	7.794	49	88987	28.833	ug/l	100
29) Tetrahydrofuran	7.824	42	178261	100.135	ug/l	99
30) Chloroform	7.947	83	131389	21.583	ug/l	99
31) Cyclohexane	8.236	56	96701	17.224	ug/l	96
32) 1,1,1-Trichloroethane	8.153	97	108515	20.273	ug/l	95
36) 1,1-Dichloropropene	8.353	75	82081	17.412	ug/l	98
37) Ethyl Acetate	7.541	43	118034	19.042	ug/l	98
38) Carbon Tetrachloride	8.341	117	87318	18.606	ug/l	99
39) Methylcyclohexane	9.577	83	75150	14.903	ug/l	98
40) Benzene	8.588	78	263185	19.022	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	60031	19.554	ug/l	98
42) 1,2-Dichloroethane	8.653	62	112287	21.271	ug/l	98
43) Isopropyl Acetate	8.671	43	178268	18.823	ug/l	99
44) Trichloroethene	9.330	130	56577	17.306	ug/l	99
45) 1,2-Dichloropropane	9.606	63	70358	19.847	ug/l	97
46) Dibromomethane	9.694	93	51460	20.341	ug/l	98
47) Bromodichloromethane	9.865	83	105403	20.419	ug/l	98
48) Methyl methacrylate	9.659	41	80824	18.704	ug/l	100
49) 1,4-Dioxane	9.677	88	19429	353.552	ug/l #	95
51) 4-Methyl-2-Pentanone	10.424	43	567860	101.725	ug/l	100
52) Toluene	10.606	92	156589	19.600	ug/l	98
53) t-1,3-Dichloropropene	10.818	75	99689	18.815	ug/l	100
54) cis-1,3-Dichloropropene	10.288	75	105841	18.995	ug/l	98
55) 1,1,2-Trichloroethane	10.994	97	64166	20.759	ug/l	96
56) Ethyl methacrylate	10.853	69	91116	18.661	ug/l	98
57) 1,3-Dichloropropane	11.141	76	112040	20.092	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	126034	44.774	ug/l	98
59) 2-Hexanone	11.177	43	340552	96.841	ug/l	99
60) Dibromochloromethane	11.329	129	71113	20.181	ug/l	100
61) 1,2-Dibromoethane	11.447	107	63175	20.183	ug/l	99
64) Tetrachloroethene	11.082	164	46267	14.298	ug/l	92
65) Chlorobenzene	11.865	112	165806	18.085	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.935	131	59129	19.122	ug/l	98
67) Ethyl Benzene	11.941	91	276056	17.227	ug/l	98
68) m/p-Xylenes	12.047	106	205689	34.620	ug/l	98
69) o-Xylene	12.376	106	98717	17.428	ug/l	96
70) Styrene	12.388	104	166487	18.102	ug/l	99
71) Bromoform	12.559	173	42890	18.937	ug/l #	99
73) Isopropylbenzene	12.676	105	237264	16.067	ug/l	99
74) N-amyl acetate	12.688	43	99912m	19.867	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	92597	19.397	ug/l	98
76) 1,2,3-Trichloropropane	12.971	75	91617m	19.586	ug/l	
77) Bromobenzene	12.959	156	62228	18.418	ug/l	98
78) n-propylbenzene	13.012	91	308833	17.095	ug/l	99
79) 2-Chlorotoluene	13.100	91	194938	17.670	ug/l	98
80) 1,3,5-Trimethylbenzene	13.147	105	208192	17.014	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.718	75	27006	16.379	ug/l #	92
82) 4-Chlorotoluene	13.200	91	202428	18.474	ug/l	99
83) tert-Butylbenzene	13.412	119	166323	15.990	ug/l	98
84) 1,2,4-Trimethylbenzene	13.459	105	215051	17.682	ug/l	97
85) sec-Butylbenzene	13.594	105	242366	16.219	ug/l	99
86) p-Isopropyltoluene	13.706	119	198002	16.159	ug/l	99
87) 1,3-Dichlorobenzene	13.712	146	117572	17.876	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	121032	17.568	ug/l	97
89) n-Butylbenzene	14.035	91	184645	15.519	ug/l	99
90) Hexachloroethane	14.306	117	38861	17.360	ug/l	99
91) 1,2-Dichlorobenzene	14.082	146	111046	17.942	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.700	75	20968	18.103	ug/l	93
93) 1,2,4-Trichlorobenzene	15.365	180	57086	15.523	ug/l	96
94) Hexachlorobutadiene	15.470	225	19943	15.091	ug/l	94
95) Naphthalene	15.617	128	195728	15.359	ug/l	100
96) 1,2,3-Trichlorobenzene	15.812	180	56108	15.677	ug/l	96

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

