

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120225\
 Data File : VN088399.D
 Acq On : 02 Dec 2025 11:01
 Operator : JC\MD
 Sample : VN1202WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1202WBS01

Quant Time: Dec 03 01:24:59 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

Manual Integrations APPROVED

Reviewed By : John Carlone 12/03/2025
 Supervised By : Mahesh Dadoda 12/03/2025

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	249521	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	476954	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	443188	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.765	152	223818	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	267394	56.887	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.780%			
35) Dibromofluoromethane	8.147	113	172407	52.161	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.320%			
50) Toluene-d8	10.541	98	621401	50.528	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.060%			
62) 4-Bromofluorobenzene	12.823	95	222316	52.685	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.360%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.148	85	66617	17.775	ug/l	98
3) Chloromethane	2.383	50	72554	18.025	ug/l	92
4) Vinyl Chloride	2.536	62	69095	16.873	ug/l	95
5) Bromomethane	2.989	94	37327	18.939	ug/l	98
6) Chloroethane	3.148	64	44893	17.715	ug/l	97
7) Trichlorofluoromethane	3.518	101	105056	18.254	ug/l	95
8) Diethyl Ether	3.965	74	38839	17.979	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.377	101	53150	17.347	ug/l	99
10) Methyl Iodide	4.589	142	47951	15.809	ug/l #	95
11) Tert butyl alcohol	5.506	59	60542	80.673	ug/l	97
12) 1,1-Dichloroethene	4.342	96	50727	16.663	ug/l	98
13) Acrolein	4.177	56	71235	99.147	ug/l	97
14) Allyl chloride	5.018	41	92383	16.373	ug/l	94
15) Acrylonitrile	5.706	53	194136	89.661	ug/l	98
16) Acetone	4.424	43	136326	80.195	ug/l	92
17) Carbon Disulfide	4.718	76	174962	17.588	ug/l	98
18) Methyl Acetate	5.018	43	90957	17.975	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	205398	18.009	ug/l	97
20) Methylene Chloride	5.265	84	64778	17.811	ug/l	99
21) trans-1,2-Dichloroethene	5.777	96	61858	18.343	ug/l	94
22) Diisopropyl ether	6.653	45	226209	18.778	ug/l	94
23) Vinyl Acetate	6.588	43	893080m	92.019	ug/l	
24) 1,1-Dichloroethane	6.559	63	127041	18.623	ug/l	98
25) 2-Butanone	7.471	43	237085	86.754	ug/l	94
26) 2,2-Dichloropropane	7.471	77	107872	18.320	ug/l	99
27) cis-1,2-Dichloroethene	7.471	96	70334	17.946	ug/l	99
28) Bromochloromethane	7.794	49	68553	20.173	ug/l	98
29) Tetrahydrofuran	7.824	42	174173	88.855	ug/l	98
30) Chloroform	7.947	83	125776	18.764	ug/l	91
31) Cyclohexane	8.235	56	106208	17.180	ug/l	97
32) 1,1,1-Trichloroethane	8.147	97	108444	18.400	ug/l	95
36) 1,1-Dichloropropene	8.353	75	85539	16.769	ug/l	99
37) Ethyl Acetate	7.547	43	114390	17.054	ug/l	98
38) Carbon Tetrachloride	8.341	117	87430	17.217	ug/l	96
39) Methylcyclohexane	9.582	83	85459	15.662	ug/l	94
40) Benzene	8.588	78	256881	17.158	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	58287	17.545	ug/l	99
42) 1,2-Dichloroethane	8.653	62	106032	18.563	ug/l	99
43) Isopropyl Acetate	8.671	43	175494	17.125	ug/l	99
44) Trichloroethene	9.329	130	57803	16.340	ug/l	99
45) 1,2-Dichloropropane	9.600	63	69287	18.063	ug/l	94
46) Dibromomethane	9.688	93	48305	17.646	ug/l	99
47) Bromodichloromethane	9.865	83	101787	18.223	ug/l #	96
48) Methyl methacrylate	9.659	41	79234	16.945	ug/l	98
49) 1,4-Dioxane	9.677	88	19512	328.131	ug/l #	98
51) 4-Methyl-2-Pentanone	10.424	43	536043	88.742	ug/l	99
52) Toluene	10.606	92	153543	17.761	ug/l	99
53) t-1,3-Dichloropropene	10.812	75	99638	17.379	ug/l	97
54) cis-1,3-Dichloropropene	10.288	75	105427	17.486	ug/l	94
55) 1,1,2-Trichloroethane	10.994	97	59615	17.823	ug/l	97
56) Ethyl methacrylate	10.853	69	91838	17.382	ug/l	99
57) 1,3-Dichloropropane	11.141	76	105061	17.412	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.135	63	270479	88.800	ug/l	100
59) 2-Hexanone	11.176	43	324719	85.335	ug/l	98
60) Dibromochloromethane	11.335	129	67678	17.749	ug/l	97
61) 1,2-Dibromoethane	11.441	107	60254	17.790	ug/l	98
64) Tetrachloroethene	11.082	164	50520	14.379	ug/l	98
65) Chlorobenzene	11.865	112	165870	16.662	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.935	131	56793	16.915	ug/l	97
67) Ethyl Benzene	11.941	91	281088	16.155	ug/l	97
68) m/p-Xylenes	12.047	106	210231	32.589	ug/l	98
69) o-Xylene	12.370	106	99883	16.241	ug/l	96
70) Styrene	12.388	104	165693	16.592	ug/l	100
71) Bromoform	12.553	173	41450	16.855	ug/l #	100
73) Isopropylbenzene	12.670	105	251706	15.210	ug/l	99
74) N-amyl acetate	12.688	43	100954m	17.913	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	85336	15.951	ug/l	99
76) 1,2,3-Trichloropropane	12.970	75	87256m	16.645	ug/l	
77) Bromobenzene	12.953	156	63394	16.742	ug/l	95
78) n-propylbenzene	13.012	91	320982	15.855	ug/l	98
79) 2-Chlorotoluene	13.100	91	191692	15.505	ug/l	100
80) 1,3,5-Trimethylbenzene	13.147	105	216171	15.764	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.718	75	27798	15.044	ug/l #	97
82) 4-Chlorotoluene	13.200	91	199053	16.210	ug/l	99
83) tert-Butylbenzene	13.412	119	176077	15.105	ug/l	100
84) 1,2,4-Trimethylbenzene	13.459	105	220020	16.142	ug/l	98
85) sec-Butylbenzene	13.588	105	256840	15.337	ug/l	100
86) p-Isopropyltoluene	13.706	119	209816	15.279	ug/l	98
87) 1,3-Dichlorobenzene	13.712	146	114987	15.600	ug/l	98
88) 1,4-Dichlorobenzene	13.788	146	117375	15.202	ug/l	97
89) n-Butylbenzene	14.029	91	197126	14.784	ug/l	99
90) Hexachloroethane	14.306	117	37541	14.965	ug/l	95
91) 1,2-Dichlorobenzene	14.082	146	109119	15.732	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	21121	16.272	ug/l	92
93) 1,2,4-Trichlorobenzene	15.370	180	62741	15.224	ug/l	100
94) Hexachlorobutadiene	15.470	225	22210	14.997	ug/l	95
95) Naphthalene	15.611	128	205075	14.360	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	61044	15.220	ug/l	97

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

