

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120925\
 Data File : VN088483.D
 Acq On : 09 Dec 2025 16:43
 Operator : JC\MD
 Sample : VN1209WBS02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1209WBS02

Quant Time: Dec 10 05:10:10 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 12/10/2025
 Supervised By : Mahesh Dadoda 12/11/2025

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	235053	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	467929	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	418716	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.764	152	205139	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.553	65	272741	61.596	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 123.200%			
35) Dibromofluoromethane	8.147	113	172133	53.083	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.160%			
50) Toluene-d8	10.541	98	626340	51.912	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.820%			
62) 4-Bromofluorobenzene	12.823	95	226501	54.712	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 109.420%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	64174	18.177	ug/l	93
3) Chloromethane	2.383	50	75907	20.019	ug/l	100
4) Vinyl Chloride	2.536	62	73312	19.005	ug/l	96
5) Bromomethane	2.989	94	36782	19.811	ug/l	94
6) Chloroethane	3.148	64	49797	20.860	ug/l #	88
7) Trichlorofluoromethane	3.524	101	108148	19.947	ug/l	96
8) Diethyl Ether	3.965	74	47989	23.583	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	54876	19.012	ug/l	98
10) Methyl Iodide	4.583	142	50589	17.705	ug/l	89
11) Tert butyl alcohol	5.506	59	63877	90.356	ug/l	100
12) 1,1-Dichloroethene	4.347	96	57178	19.939	ug/l	97
13) Acrolein	4.177	56	69610	102.849	ug/l	97
14) Allyl chloride	5.018	41	115612	21.751	ug/l	98
15) Acrylonitrile	5.700	53	221042	108.371	ug/l	97
16) Acetone	4.424	43	231634	144.647	ug/l	96
17) Carbon Disulfide	4.712	76	170756	18.222	ug/l	100
18) Methyl Acetate	5.012	43	107757	22.606	ug/l	99
19) Methyl tert-butyl Ether	5.783	73	255924	23.820	ug/l	100
20) Methylene Chloride	5.265	84	73829	21.549	ug/l	96
21) trans-1,2-Dichloroethene	5.783	96	66656	20.983	ug/l	97
22) Diisopropyl ether	6.653	45	273397	24.093	ug/l	94
23) Vinyl Acetate	6.588	43	1207998	132.128	ug/l	99
24) 1,1-Dichloroethane	6.547	63	147108	22.892	ug/l	98
25) 2-Butanone	7.465	43	311478	120.991	ug/l	99
26) 2,2-Dichloropropane	7.471	77	123326	22.233	ug/l	100
27) cis-1,2-Dichloroethene	7.471	96	82519	22.352	ug/l	97
28) Bromochloromethane	7.794	49	66577	20.797	ug/l	100
29) Tetrahydrofuran	7.824	42	196344	106.331	ug/l	99
30) Chloroform	7.947	83	149910	23.741	ug/l	95
31) Cyclohexane	8.235	56	108905	18.701	ug/l	95
32) 1,1,1-Trichloroethane	8.147	97	121344	21.856	ug/l	96
36) 1,1-Dichloropropene	8.347	75	90745	18.132	ug/l	98
37) Ethyl Acetate	7.541	43	132152	20.083	ug/l	98
38) Carbon Tetrachloride	8.341	117	95680	19.205	ug/l	97
39) Methylcyclohexane	9.576	83	87000	16.252	ug/l	98
40) Benzene	8.582	78	300011	20.425	ug/l	96

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41) Methacrylonitrile	7.759	41	67507	20.713	ug/l	96
42) 1,2-Dichloroethane	8.647	62	128852	22.993	ug/l	98
43) Isopropyl Acetate	8.671	43	205013	20.391	ug/l	98
44) Trichloroethene	9.329	130	65613	18.905	ug/l	95
45) 1,2-Dichloropropane	9.600	63	81317	21.608	ug/l	93
46) Dibromomethane	9.688	93	58178	21.662	ug/l	96
47) Bromodichloromethane	9.865	83	119090	21.732	ug/l	100
48) Methyl methacrylate	9.659	41	93578	20.399	ug/l	98
49) 1,4-Dioxane	9.682	88	16357	280.379	ug/l #	95
51) 4-Methyl-2-Pentanone	10.424	43	636142	107.345	ug/l	98
52) Toluene	10.606	92	184498	21.753	ug/l	98
53) t-1,3-Dichloropropene	10.812	75	122711	21.816	ug/l	96
54) cis-1,3-Dichloropropene	10.288	75	127859	21.615	ug/l	96
55) 1,1,2-Trichloroethane	10.994	97	70047	21.346	ug/l	95
56) Ethyl methacrylate	10.853	69	113315	21.861	ug/l	96
57) 1,3-Dichloropropane	11.141	76	129599	21.892	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.135	63	288458	96.529	ug/l	100
59) 2-Hexanone	11.176	43	390494	104.600	ug/l	99
60) Dibromochloromethane	11.335	129	82618	22.086	ug/l	98
61) 1,2-Dibromoethane	11.447	107	72317	21.763	ug/l	98
64) Tetrachloroethene	11.082	164	53866	16.227	ug/l	94
65) Chlorobenzene	11.870	112	192373	20.454	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.935	131	68783	21.684	ug/l	97
67) Ethyl Benzene	11.941	91	326544	19.865	ug/l	97
68) m/p-Xylenes	12.047	106	241352	39.600	ug/l	95
69) o-Xylene	12.370	106	117218	20.173	ug/l	99
70) Styrene	12.388	104	200374	21.238	ug/l	98
71) Bromoform	12.553	173	47308	20.361	ug/l #	95
73) Isopropylbenzene	12.670	105	290778	19.171	ug/l	99
74) N-amyl acetate	12.682	43	113480m	21.969	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.912	83	105547	21.525	ug/l	99
76) 1,2,3-Trichloropropane	12.965	75	99893m	20.791	ug/l	
77) Bromobenzene	12.959	156	69889	20.138	ug/l	95
78) n-propylbenzene	13.012	91	355951	19.183	ug/l	98
79) 2-Chlorotoluene	13.100	91	223835	19.754	ug/l	100
80) 1,3,5-Trimethylbenzene	13.147	105	246345	19.600	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.717	75	33426	19.736	ug/l #	80
82) 4-Chlorotoluene	13.200	91	234070	20.798	ug/l	100
83) tert-Butylbenzene	13.412	119	197103	18.448	ug/l	97
84) 1,2,4-Trimethylbenzene	13.459	105	254068	20.337	ug/l	98
85) sec-Butylbenzene	13.588	105	279631	18.218	ug/l	97
86) p-Isopropyltoluene	13.706	119	231372	18.383	ug/l	98
87) 1,3-Dichlorobenzene	13.706	146	135352	20.035	ug/l	98
88) 1,4-Dichlorobenzene	13.788	146	138975	19.639	ug/l	97
89) n-Butylbenzene	14.029	91	218755	17.900	ug/l	100
90) Hexachloroethane	14.306	117	41299	17.962	ug/l	100
91) 1,2-Dichlorobenzene	14.082	146	124483	19.581	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.694	75	22389	18.819	ug/l	97
93) 1,2,4-Trichlorobenzene	15.364	180	68516	18.139	ug/l	97
94) Hexachlorobutadiene	15.470	225	21540	15.869	ug/l	93
95) Naphthalene	15.611	128	235240	17.972	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	62462	16.991	ug/l	91

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

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