

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120325\
 Data File : VN088420.D
 Acq On : 03 Dec 2025 12:11
 Operator : JC\MD
 Sample : VN1203WBS02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBS02

Quant Time: Dec 04 00:16:12 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 12/04/2025
 Supervised By : Semsettin Yesilyurt 12/04/2025

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	243790	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.077	114	441855	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	396926	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	195496	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	233836	50.917	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.840%			
35) Dibromofluoromethane	8.147	113	151508	49.479	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.960%			
50) Toluene-d8	10.541	98	555777	48.782	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.560%			
62) 4-Bromofluorobenzene	12.829	95	193103	49.397	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.800%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	84224	23.001	ug/l	99
3) Chloromethane	2.383	50	86520	22.000	ug/l	99
4) Vinyl Chloride	2.536	62	88781	22.190	ug/l	93
5) Bromomethane	2.983	94	43324	22.499	ug/l	100
6) Chloroethane	3.142	64	55695	22.494	ug/l	95
7) Trichlorofluoromethane	3.518	101	129384	23.009	ug/l	92
8) Diethyl Ether	3.959	74	47941	22.715	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.371	101	67447	22.530	ug/l	96
10) Methyl Iodide	4.583	142	57412	19.373	ug/l	94
11) Tert butyl alcohol	5.506	59	73617	100.402	ug/l	100
12) 1,1-Dichloroethene	4.336	96	64671	21.743	ug/l	94
13) Acrolein	4.177	56	81707	116.396	ug/l	99
14) Allyl chloride	5.018	41	119450	21.668	ug/l	99
15) Acrylonitrile	5.706	53	241990	114.390	ug/l	97
16) Acetone	4.424	43	172337	103.762	ug/l	99
17) Carbon Disulfide	4.706	76	213496	21.966	ug/l	100
18) Methyl Acetate	5.018	43	119640	24.199	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	260101	23.341	ug/l	99
20) Methylene Chloride	5.271	84	79186	22.284	ug/l	98
21) trans-1,2-Dichloroethene	5.777	96	72762	22.084	ug/l	97
22) Diisopropyl ether	6.659	45	282684	24.018	ug/l	99
23) Vinyl Acetate	6.589	43	1252949	132.133	ug/l	99
24) 1,1-Dichloroethane	6.547	63	154978	23.252	ug/l	98
25) 2-Butanone	7.465	43	296266	110.958	ug/l	100
26) 2,2-Dichloropropane	7.471	77	132597	23.048	ug/l	99
27) cis-1,2-Dichloroethene	7.471	96	84198	21.989	ug/l	95
28) Bromochloromethane	7.788	49	69647	20.976	ug/l	98
29) Tetrahydrofuran	7.818	42	221957	115.894	ug/l	97
30) Chloroform	7.947	83	155883	23.802	ug/l	97
31) Cyclohexane	8.235	56	133701	22.136	ug/l	97
32) 1,1,1-Trichloroethane	8.147	97	132281	22.972	ug/l	95
36) 1,1-Dichloropropene	8.353	75	104286	22.068	ug/l	98
37) Ethyl Acetate	7.541	43	134284	21.611	ug/l	97
38) Carbon Tetrachloride	8.341	117	112964	24.012	ug/l	93
39) Methylcyclohexane	9.577	83	108582	21.481	ug/l	95
40) Benzene	8.588	78	315045	22.714	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.759	41	73059	23.739	ug/l	97
42) 1,2-Dichloroethane	8.647	62	131369	24.825	ug/l	100
43) Isopropyl Acetate	8.671	43	218108	22.974	ug/l	100
44) Trichloroethene	9.330	130	70993	21.662	ug/l	98
45) 1,2-Dichloropropane	9.600	63	83317	23.446	ug/l	98
46) Dibromomethane	9.688	93	61063	24.078	ug/l	99
47) Bromodichloromethane	9.865	83	122848	23.741	ug/l	98
48) Methyl methacrylate	9.659	41	99664	23.008	ug/l	98
49) 1,4-Dioxane	9.682	88	23655	429.402	ug/l #	93
51) 4-Methyl-2-Pentanone	10.424	43	679502	121.427	ug/l	99
52) Toluene	10.606	92	189259	23.631	ug/l	98
53) t-1,3-Dichloropropene	10.812	75	124472	23.435	ug/l	100
54) cis-1,3-Dichloropropene	10.288	75	132698	23.757	ug/l	96
55) 1,1,2-Trichloroethane	10.994	97	75047	24.220	ug/l	99
56) Ethyl methacrylate	10.853	69	118218	24.153	ug/l	97
57) 1,3-Dichloropropane	11.141	76	134010	23.973	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.141	63	301210	106.744	ug/l	99
59) 2-Hexanone	11.176	43	407196	115.510	ug/l	97
60) Dibromochloromethane	11.335	129	82597	23.383	ug/l	96
61) 1,2-Dibromoethane	11.447	107	75617	24.099	ug/l	99
64) Tetrachloroethene	11.076	164	63879	20.300	ug/l	96
65) Chlorobenzene	11.871	112	198596	22.275	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.935	131	71471	23.768	ug/l	98
67) Ethyl Benzene	11.941	91	348145	22.342	ug/l	97
68) m/p-Xylenes	12.047	106	258961	44.821	ug/l	98
69) o-Xylene	12.376	106	120501	21.877	ug/l	99
70) Styrene	12.388	104	208790	23.345	ug/l	99
71) Bromoform	12.553	173	52448	23.813	ug/l #	99
73) Isopropylbenzene	12.670	105	313470	21.686	ug/l	99
74) N-amyl acetate	12.682	43	120873m	24.554	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.912	83	106712	22.836	ug/l	99
76) 1,2,3-Trichloropropane	12.970	75	91441m	19.970	ug/l	
77) Bromobenzene	12.959	156	75715	22.893	ug/l	97
78) n-propylbenzene	13.012	91	401330	22.695	ug/l	99
79) 2-Chlorotoluene	13.100	91	237936	22.034	ug/l	99
80) 1,3,5-Trimethylbenzene	13.153	105	267945	22.370	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.718	75	33626	20.834	ug/l #	92
82) 4-Chlorotoluene	13.200	91	250184	23.326	ug/l	100
83) tert-Butylbenzene	13.412	119	223251	21.926	ug/l	98
84) 1,2,4-Trimethylbenzene	13.459	105	274144	23.027	ug/l	97
85) sec-Butylbenzene	13.594	105	326289	22.307	ug/l	99
86) p-Isopropyltoluene	13.706	119	268852	22.414	ug/l	99
87) 1,3-Dichlorobenzene	13.712	146	146835	22.807	ug/l	98
88) 1,4-Dichlorobenzene	13.788	146	147165	21.822	ug/l	98
89) n-Butylbenzene	14.035	91	255584	21.946	ug/l	99
90) Hexachloroethane	14.306	117	49509	22.595	ug/l	100
91) 1,2-Dichlorobenzene	14.082	146	132616	21.889	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.700	75	24969	22.023	ug/l	94
93) 1,2,4-Trichlorobenzene	15.364	180	74473	20.688	ug/l	95
94) Hexachlorobutadiene	15.470	225	29967	23.166	ug/l	97
95) Naphthalene	15.611	128	256226	20.541	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	72914	20.813	ug/l	97

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

