

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120325\
 Data File : VN088432.D
 Acq On : 03 Dec 2025 16:17
 Operator : JC\MD
 Sample : VN1203WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBSD01

Quant Time: Dec 04 00:22:17 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	250101	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	473571	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	423667	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	214103	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	258504	54.868	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.740%			
35) Dibromofluoromethane	8.147	113	170328	51.900	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.800%			
50) Toluene-d8	10.547	98	634377	51.952	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.900%			
62) 4-Bromofluorobenzene	12.829	95	218669	52.191	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.380%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.142	85	81999	21.828	ug/l	98
3) Chloromethane	2.383	50	81497	20.200	ug/l	98
4) Vinyl Chloride	2.536	62	84304	20.539	ug/l	95
5) Bromomethane	2.983	94	39841	20.168	ug/l	100
6) Chloroethane	3.142	64	52131	20.524	ug/l	88
7) Trichlorofluoromethane	3.518	101	126368	21.906	ug/l	99
8) Diethyl Ether	3.959	74	46608	21.526	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.371	101	66725	21.727	ug/l	100
10) Methyl Iodide	4.583	142	51913	17.076	ug/l	98
11) Tert butyl alcohol	5.518	59	69415	92.282	ug/l	97
12) 1,1-Dichloroethene	4.342	96	64784	21.232	ug/l	93
13) Acrolein	4.183	56	88085	122.316	ug/l	99
14) Allyl chloride	5.012	41	115902	20.494	ug/l	97
15) Acrylonitrile	5.712	53	227954	105.036	ug/l	97
16) Acetone	4.418	43	244436	143.458	ug/l	96
17) Carbon Disulfide	4.706	76	200528	20.111	ug/l #	95
18) Methyl Acetate	5.024	43	118332	23.331	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	236697	20.705	ug/l	98
20) Methylene Chloride	5.265	84	76028	20.855	ug/l	96
21) trans-1,2-Dichloroethene	5.777	96	68780	20.349	ug/l	95
22) Diisopropyl ether	6.653	45	266704	22.089	ug/l #	94
23) Vinyl Acetate	6.588	43	1164465	119.703	ug/l	97
24) 1,1-Dichloroethane	6.559	63	147767	21.611	ug/l	99
25) 2-Butanone	7.471	43	326935	119.354	ug/l	96
26) 2,2-Dichloropropane	7.471	77	122234	20.711	ug/l	99
27) cis-1,2-Dichloroethene	7.471	96	81731	20.806	ug/l	98
28) Bromochloromethane	7.794	49	78944	23.177	ug/l	97
29) Tetrahydrofuran	7.824	42	210835	107.309	ug/l	98
30) Chloroform	7.947	83	149314	22.224	ug/l	91
31) Cyclohexane	8.241	56	125860	20.312	ug/l	94
32) 1,1,1-Trichloroethane	8.147	97	129487	21.919	ug/l	96
36) 1,1-Dichloropropene	8.353	75	99068	19.560	ug/l	99
37) Ethyl Acetate	7.541	43	138649	20.819	ug/l	99
38) Carbon Tetrachloride	8.341	117	105371	20.898	ug/l	96
39) Methylcyclohexane	9.582	83	101432	18.723	ug/l	94
40) Benzene	8.588	78	299926	20.176	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	67759	20.542	ug/l	98
42) 1,2-Dichloroethane	8.647	62	126828	22.362	ug/l	99
43) Isopropyl Acetate	8.671	43	204303	20.078	ug/l	100
44) Trichloroethene	9.335	130	66882	19.041	ug/l	99
45) 1,2-Dichloropropane	9.600	63	80741	21.199	ug/l	95
46) Dibromomethane	9.688	93	58631	21.571	ug/l	98
47) Bromodichloromethane	9.871	83	117197	21.132	ug/l	93
48) Methyl methacrylate	9.665	41	95681	20.609	ug/l	97
49) 1,4-Dioxane	9.677	88	20393	345.396	ug/l #	88
51) 4-Methyl-2-Pentanone	10.424	43	656411	109.445	ug/l	98
52) Toluene	10.606	92	182595	21.272	ug/l	98
53) t-1,3-Dichloropropene	10.818	75	114495	20.113	ug/l	98
54) cis-1,3-Dichloropropene	10.288	75	123356	20.605	ug/l	97
55) 1,1,2-Trichloroethane	10.994	97	71038	21.390	ug/l	98
56) Ethyl methacrylate	10.853	69	110151	20.998	ug/l	96
57) 1,3-Dichloropropane	11.141	76	128913	21.517	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.141	63	286552	94.749	ug/l	100
59) 2-Hexanone	11.176	43	412680	109.226	ug/l	100
60) Dibromochloromethane	11.335	129	81410	21.503	ug/l	100
61) 1,2-Dibromoethane	11.447	107	70205	20.876	ug/l	99
64) Tetrachloroethene	11.076	164	55998	16.673	ug/l	96
65) Chlorobenzene	11.870	112	191798	20.154	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.935	131	67516	21.036	ug/l	99
67) Ethyl Benzene	11.941	91	333864	20.073	ug/l	99
68) m/p-Xylenes	12.047	106	246899	40.037	ug/l	94
69) o-Xylene	12.376	106	118643	20.180	ug/l	98
70) Styrene	12.388	104	194030	20.325	ug/l	98
71) Bromoform	12.559	173	49639	21.115	ug/l #	100
73) Isopropylbenzene	12.670	105	303830	19.193	ug/l	98
74) N-amyl acetate	12.670	43	93651m	17.371	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.917	83	101816	19.895	ug/l	93
76) 1,2,3-Trichloropropane	12.970	75	86438m	17.237	ug/l	
77) Bromobenzene	12.953	156	73974	20.423	ug/l	98
78) n-propylbenzene	13.012	91	384189	19.838	ug/l	98
79) 2-Chlorotoluene	13.100	91	227899	19.270	ug/l	99
80) 1,3,5-Trimethylbenzene	13.147	105	258850	19.733	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.717	75	30488	17.248	ug/l #	96
82) 4-Chlorotoluene	13.200	91	237099	20.185	ug/l	99
83) tert-Butylbenzene	13.417	119	214026	19.193	ug/l	99
84) 1,2,4-Trimethylbenzene	13.459	105	260658	19.991	ug/l	98
85) sec-Butylbenzene	13.594	105	310564	19.386	ug/l	100
86) p-Isopropyltoluene	13.706	119	257654	19.614	ug/l	99
87) 1,3-Dichlorobenzene	13.712	146	140444	19.919	ug/l	98
88) 1,4-Dichlorobenzene	13.788	146	145470	19.696	ug/l	98
89) n-Butylbenzene	14.035	91	242333	19.000	ug/l	98
90) Hexachloroethane	14.306	117	48032	20.016	ug/l	99
91) 1,2-Dichlorobenzene	14.082	146	131671	19.844	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.694	75	22261	17.928	ug/l	98
93) 1,2,4-Trichlorobenzene	15.370	180	69170	17.545	ug/l	95
94) Hexachlorobutadiene	15.470	225	26725	18.864	ug/l	98
95) Naphthalene	15.611	128	243313	17.810	ug/l	100
96) 1,2,3-Trichlorobenzene	15.811	180	71458	18.625	ug/l	98

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

