

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120925\
 Data File : VN088479.D
 Acq On : 09 Dec 2025 15:22
 Operator : JC\MD
 Sample : VN1209WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1209WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/10/2025
 Supervised By : Mahesh Dadoda 12/11/2025

Quant Time: Dec 10 05:07:58 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	8.200	168	275166	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	534632	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	484706	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	226468	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	331906	64.030	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 128.060%#			
35) Dibromofluoromethane	8.147	113	211572	57.105	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 114.200%			
50) Toluene-d8	10.541	98	776360	56.318	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 112.640%			
62) 4-Bromofluorobenzene	12.823	95	280790	59.363	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 118.720%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	83601	20.228	ug/l	99
3) Chloromethane	2.383	50	93589	21.084	ug/l	95
4) Vinyl Chloride	2.536	62	88515	19.601	ug/l	98
5) Bromomethane	2.989	94	47250	21.740	ug/l	98
6) Chloroethane	3.142	64	58702	21.005	ug/l	93
7) Trichlorofluoromethane	3.518	101	133691	21.064	ug/l	95
8) Diethyl Ether	3.959	74	58413	24.520	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.371	101	70716	20.929	ug/l	100
10) Methyl Iodide	4.583	142	65316	19.527	ug/l	95
11) Tert butyl alcohol	5.506	59	80201	96.909	ug/l #	92
12) 1,1-Dichloroethene	4.342	96	68938	20.535	ug/l	93
13) Acrolein	4.177	56	75630	95.454	ug/l	98
14) Allyl chloride	5.012	41	135774	21.820	ug/l	96
15) Acrylonitrile	5.700	53	267067	111.849	ug/l	99
16) Acetone	4.418	43	190667	101.708	ug/l	100
17) Carbon Disulfide	4.712	76	211959	19.321	ug/l	100
18) Methyl Acetate	5.012	43	133213	23.872	ug/l	97
19) Methyl tert-butyl Ether	5.783	73	316793	25.187	ug/l	95
20) Methylene Chloride	5.265	84	88589	22.087	ug/l	96
21) trans-1,2-Dichloroethene	5.777	96	79656	21.420	ug/l	92
22) Diisopropyl ether	6.653	45	327453	24.650	ug/l	94
23) Vinyl Acetate	6.588	43	1436646	134.230	ug/l	98
24) 1,1-Dichloroethane	6.547	63	168522	22.401	ug/l	96
25) 2-Butanone	7.465	43	339401	112.618	ug/l	96
26) 2,2-Dichloropropane	7.471	77	150642	23.199	ug/l	100
27) cis-1,2-Dichloroethene	7.465	96	98223	22.727	ug/l	97
28) Bromochloromethane	7.794	49	79961	21.337	ug/l	96
29) Tetrahydrofuran	7.824	42	250938	116.086	ug/l	98
30) Chloroform	7.947	83	173311	23.446	ug/l	99
31) Cyclohexane	8.235	56	137390	20.153	ug/l	96
32) 1,1,1-Trichloroethane	8.147	97	145537	22.392	ug/l	98
36) 1,1-Dichloropropene	8.353	75	114437	20.014	ug/l	100
37) Ethyl Acetate	7.547	43	155509	20.684	ug/l	99
38) Carbon Tetrachloride	8.341	117	117522	20.646	ug/l	96
39) Methylcyclohexane	9.576	83	112040	18.319	ug/l	94
40) Benzene	8.582	78	356240	21.227	ug/l	97

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41) Methacrylonitrile	7.759	41	85501	22.961	ug/l	95
42) 1,2-Dichloroethane	8.647	62	150357	23.483	ug/l	99
43) Isopropyl Acetate	8.671	43	249691	21.736	ug/l	99
44) Trichloroethene	9.329	130	75188	18.961	ug/l	97
45) 1,2-Dichloropropane	9.600	63	92815	21.586	ug/l	94
46) Dibromomethane	9.688	93	66627	21.713	ug/l	99
47) Bromodichloromethane	9.865	83	139322	22.252	ug/l	98
48) Methyl methacrylate	9.659	41	119184	22.740	ug/l	97
49) 1,4-Dioxane	9.682	88	22403	336.103	ug/l #	99
51) 4-Methyl-2-Pentanone	10.424	43	755952	111.647	ug/l	100
52) Toluene	10.606	92	233777	24.125	ug/l	98
53) t-1,3-Dichloropropene	10.812	75	146165	22.743	ug/l	99
54) cis-1,3-Dichloropropene	10.288	75	149977	22.191	ug/l	93
55) 1,1,2-Trichloroethane	10.988	97	86302	23.019	ug/l	97
56) Ethyl methacrylate	10.853	69	141095	23.824	ug/l	98
57) 1,3-Dichloropropane	11.141	76	150394	22.235	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.135	63	281907	82.567	ug/l	99
59) 2-Hexanone	11.176	43	465308	109.089	ug/l	100
60) Dibromochloromethane	11.335	129	98719	23.097	ug/l	100
61) 1,2-Dibromoethane	11.447	107	82628	21.764	ug/l	98
64) Tetrachloroethene	11.076	164	62769	16.335	ug/l	95
65) Chlorobenzene	11.865	112	231267	21.242	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.935	131	78174	21.289	ug/l	99
67) Ethyl Benzene	11.941	91	396069	20.814	ug/l	99
68) m/p-Xylenes	12.047	106	290616	41.191	ug/l	96
69) o-Xylene	12.370	106	138744	20.627	ug/l	96
70) Styrene	12.388	104	235824	21.592	ug/l	99
71) Bromoform	12.559	173	56906	21.158	ug/l #	98
73) Isopropylbenzene	12.670	105	351916	21.017	ug/l	99
74) N-amyl acetate	12.682	43	106821m	18.732	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.917	83	118630	21.915	ug/l	99
76) 1,2,3-Trichloropropane	12.970	75	116411m	21.947	ug/l	
77) Bromobenzene	12.959	156	83384	21.764	ug/l	97
78) n-propylbenzene	13.012	91	432061	21.092	ug/l	99
79) 2-Chlorotoluene	13.100	91	273973	21.901	ug/l	96
80) 1,3,5-Trimethylbenzene	13.147	105	296904	21.398	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.717	75	35950	19.227	ug/l #	58
82) 4-Chlorotoluene	13.200	91	279099	22.463	ug/l	99
83) tert-Butylbenzene	13.412	119	237196	20.110	ug/l	96
84) 1,2,4-Trimethylbenzene	13.459	105	307962	22.330	ug/l	98
85) sec-Butylbenzene	13.588	105	330502	19.505	ug/l	100
86) p-Isopropyltoluene	13.706	119	281936	20.291	ug/l	100
87) 1,3-Dichlorobenzene	13.712	146	155451	20.843	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	157803	20.199	ug/l	94
89) n-Butylbenzene	14.029	91	256507	19.013	ug/l	99
90) Hexachloroethane	14.306	117	48740	19.202	ug/l	93
91) 1,2-Dichlorobenzene	14.082	146	150847	21.493	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	27384	20.850	ug/l	93
93) 1,2,4-Trichlorobenzene	15.364	180	77945	18.691	ug/l	93
94) Hexachlorobutadiene	15.470	225	24066	16.060	ug/l	96
95) Naphthalene	15.611	128	289415	20.028	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	75298	18.554	ug/l	99

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

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