

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
 Data File : VN088351.D
 Acq On : 24 Nov 2025 15:18
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112425

Quant Time: Nov 25 01:39:30 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 11/25/2025
 Supervised By : Mahesh Dadoda 11/26/2025

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	264693	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	504031	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	443578	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	211823	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	234844	47.098	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.200%		
35) Dibromofluoromethane	8.153	113	152840	43.757	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	87.520%		
50) Toluene-d8	10.547	98	574351	44.193	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	88.380%		
62) 4-Bromofluorobenzene	12.829	95	199878	44.823	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	89.640%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	204306	51.389	ug/l	96
3) Chloromethane	2.383	50	224506	52.578	ug/l	98
4) Vinyl Chloride	2.536	62	216512	49.842	ug/l	99
5) Bromomethane	2.977	94	113722	54.393	ug/l	95
6) Chloroethane	3.142	64	138310	51.450	ug/l	96
7) Trichlorofluoromethane	3.512	101	304206	49.826	ug/l	96
8) Diethyl Ether	3.965	74	122332	53.384	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.365	101	153067	47.094	ug/l	96
10) Methyl Iodide	4.589	142	173671	53.976	ug/l	95
11) Tert butyl alcohol	5.518	59	213569	268.272	ug/l	99
12) 1,1-Dichloroethene	4.342	96	158096	48.957	ug/l	94
13) Acrolein	4.177	56	203235	266.656	ug/l	99
14) Allyl chloride	5.018	41	321979	53.793	ug/l	99
15) Acrylonitrile	5.706	53	637644	277.614	ug/l	99
16) Acetone	4.418	43	450459	249.797	ug/l	100
17) Carbon Disulfide	4.706	76	544067	51.558	ug/l	100
18) Methyl Acetate	5.018	43	290918	54.196	ug/l	99
19) Methyl tert-butyl Ether	5.783	73	694497	57.401	ug/l	95
20) Methylene Chloride	5.265	84	208952	54.158	ug/l	98
21) trans-1,2-Dichloroethene	5.777	96	191102	53.421	ug/l	99
22) Diisopropyl ether	6.653	45	719883	56.335	ug/l	97
23) Vinyl Acetate	6.588	43	2915087m	283.141	ug/l	
24) 1,1-Dichloroethane	6.559	63	394512	54.516	ug/l	99
25) 2-Butanone	7.471	43	807706	278.613	ug/l	97
26) 2,2-Dichloropropane	7.471	77	337031	53.957	ug/l	99
27) cis-1,2-Dichloroethene	7.471	96	223944	53.866	ug/l	99
28) Bromochloromethane	7.794	49	167723	46.526	ug/l	100
29) Tetrahydrofuran	7.824	42	581218	279.515	ug/l	99
30) Chloroform	7.947	83	383675	53.957	ug/l	95
31) Cyclohexane	8.241	56	316159	48.211	ug/l	94
32) 1,1,1-Trichloroethane	8.147	97	319795	51.150	ug/l	100
36) 1,1-Dichloropropene	8.353	75	253183	46.967	ug/l	98
37) Ethyl Acetate	7.547	43	364546	51.431	ug/l	99
38) Carbon Tetrachloride	8.341	117	262078	48.837	ug/l	98
39) Methylcyclohexane	9.577	83	276272	47.913	ug/l	98
40) Benzene	8.588	78	803742	50.800	ug/l	100

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41) Methacrylonitrile	7.765	41	189164	53.883	ug/l	98
42) 1,2-Dichloroethane	8.653	62	318757	52.806	ug/l	99
43) Isopropyl Acetate	8.671	43	575762	53.165	ug/l	100
44) Trichloroethene	9.335	130	184844	49.444	ug/l	97
45) 1,2-Dichloropropane	9.600	63	211177	52.095	ug/l	96
46) Dibromomethane	9.688	93	152417	52.686	ug/l	100
47) Bromodichloromethane	9.871	83	307856	52.155	ug/l	100
48) Methyl methacrylate	9.665	41	269474	54.535	ug/l	99
49) 1,4-Dioxane	9.682	88	64188	1021.452	ug/l #	99
51) 4-Methyl-2-Pentanone	10.424	43	1745522	273.447	ug/l	100
52) Toluene	10.612	92	475044	51.998	ug/l	100
53) t-1,3-Dichloropropene	10.812	75	323712	53.428	ug/l	97
54) cis-1,3-Dichloropropene	10.294	75	344582	54.081	ug/l	98
55) 1,1,2-Trichloroethane	10.994	97	182138	51.530	ug/l	98
56) Ethyl methacrylate	10.853	69	323702	57.977	ug/l	98
57) 1,3-Dichloropropane	11.141	76	338609	53.102	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.141	63	851755	264.613	ug/l	100
59) 2-Hexanone	11.176	43	1118254	278.086	ug/l	99
60) Dibromochloromethane	11.341	129	212150	52.650	ug/l	98
61) 1,2-Dibromoethane	11.447	107	191658	53.546	ug/l	99
64) Tetrachloroethene	11.082	164	164101	46.666	ug/l	96
65) Chlorobenzene	11.871	112	512644	51.452	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.941	131	174200	51.838	ug/l	98
67) Ethyl Benzene	11.941	91	899198	51.635	ug/l	100
68) m/p-Xylenes	12.047	106	679183	105.191	ug/l	99
69) o-Xylene	12.376	106	322403	52.376	ug/l	100
70) Styrene	12.388	104	550033	55.031	ug/l	100
71) Bromoform	12.559	173	132448	53.811	ug/l #	100
73) Isopropylbenzene	12.670	105	827973	52.866	ug/l	100
74) N-amyl acetate	12.500	43	221082m	41.449	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.917	83	253948	50.155	ug/l	100
76) 1,2,3-Trichloropropane	12.970	75	269266m	54.274	ug/l	
77) Bromobenzene	12.959	156	191381	53.406	ug/l	98
78) n-propylbenzene	13.012	91	1004887	52.446	ug/l	100
79) 2-Chlorotoluene	13.106	91	599091	51.202	ug/l	99
80) 1,3,5-Trimethylbenzene	13.153	105	687007	52.936	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.717	75	96389	55.117	ug/l #	95
82) 4-Chlorotoluene	13.200	91	628637	54.093	ug/l	99
83) tert-Butylbenzene	13.417	119	569932	51.660	ug/l	99
84) 1,2,4-Trimethylbenzene	13.459	105	703272	54.519	ug/l	98
85) sec-Butylbenzene	13.594	105	812817	51.285	ug/l	100
86) p-Isopropyltoluene	13.706	119	678617	52.216	ug/l	98
87) 1,3-Dichlorobenzene	13.712	146	357734	51.282	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	372290	50.949	ug/l	98
89) n-Butylbenzene	14.035	91	644062	51.040	ug/l	99
90) Hexachloroethane	14.306	117	118158	49.768	ug/l	97
91) 1,2-Dichlorobenzene	14.082	146	344212	52.435	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	62186	50.621	ug/l	98
93) 1,2,4-Trichlorobenzene	15.370	180	200095	51.301	ug/l	99
94) Hexachlorobutadiene	15.476	225	64430	45.969	ug/l	97
95) Naphthalene	15.611	128	719827	53.258	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	188353	49.620	ug/l	97

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

