

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
 Data File : VN088348.D
 Acq On : 24 Nov 2025 14:14
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Quant Time: Nov 25 01:12:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 25 01:08:44 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	285895	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	501695	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	439316	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	219473	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	504045	97.467	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 194.940%#			
35) Dibromofluoromethane	8.147	113	335348	97.484	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 194.960%#			
50) Toluene-d8	10.547	98	1312124	100.081	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 200.160%#			
62) 4-Bromofluorobenzene	12.829	95	467895	101.595	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 203.200%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	479358	137.160	ug/l	100
3) Chloromethane	2.383	50	434116	106.858	ug/l	98
4) Vinyl Chloride	2.536	62	478320	109.869	ug/l	98
5) Bromomethane	2.965	94	221311	87.292	ug/l	99
6) Chloroethane	3.130	64	287091	93.637	ug/l	96
7) Trichlorofluoromethane	3.506	101	686944	102.176	ug/l	99
8) Diethyl Ether	3.959	74	229525	89.352	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.365	101	361718	103.745	ug/l	100
10) Methyl Iodide	4.577	142	377533	112.872	ug/l	97
11) Tert butyl alcohol	5.524	59	406566	449.741	ug/l	100
12) 1,1-Dichloroethene	4.336	96	340010	92.046	ug/l	96
13) Acrolein	4.177	56	409205	413.820	ug/l	99
14) Allyl chloride	5.012	41	647046m	97.762	ug/l	
15) Acrylonitrile	5.706	53	1189524	484.386	ug/l	99
16) Acetone	4.418	43	872591	349.245	ug/l	98
17) Carbon Disulfide	4.706	76	1141513	100.133	ug/l	99
18) Methyl Acetate	5.018	43	555796	102.374	ug/l	100
19) Methyl tert-butyl Ether	5.783	73	1295144	93.325	ug/l	100
20) Methylene Chloride	5.265	84	392179	89.644	ug/l	99
21) trans-1,2-Dichloroethene	5.777	96	369984	90.533	ug/l	98
22) Diisopropyl ether	6.659	45	1349029	96.981	ug/l	97
23) Vinyl Acetate	6.589	43	5554188m	451.061	ug/l	
24) 1,1-Dichloroethane	6.553	63	755476	97.866	ug/l	98
25) 2-Butanone	7.471	43	1542855	454.129	ug/l	97
26) 2,2-Dichloropropane	7.477	77	672523	96.933	ug/l	100
27) cis-1,2-Dichloroethene	7.471	96	427126	90.230	ug/l	98
28) Bromochloromethane	7.800	49	356867	98.975	ug/l	99
29) Tetrahydrofuran	7.824	42	1096740	485.379	ug/l	99
30) Chloroform	7.947	83	738399	96.326	ug/l	100
31) Cyclohexane	8.241	56	707339	99.459	ug/l	99
32) 1,1,1-Trichloroethane	8.147	97	666887	98.605	ug/l	98
36) 1,1-Dichloropropene	8.353	75	549319	108.461	ug/l	99
37) Ethyl Acetate	7.547	43	682857	101.412	ug/l	99
38) Carbon Tetrachloride	8.341	117	571861	109.553	ug/l	97
39) Methylcyclohexane	9.577	83	663987	104.863	ug/l	96
40) Benzene	8.588	78	1564367	100.538	ug/l	99

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41) Methacrylonitrile	7.759	41	349832	100.333	ug/l	98
42) 1,2-Dichloroethane	8.653	62	599011	106.490	ug/l	100
43) Isopropyl Acetate	8.671	43	1079559	105.122	ug/l	99
44) Trichloroethene	9.335	130	372568	102.756	ug/l	98
45) 1,2-Dichloropropane	9.600	63	396928	100.477	ug/l	96
46) Dibromomethane	9.688	93	284059	100.615	ug/l	99
47) Bromodichloromethane	9.871	83	585372	103.520	ug/l	100
48) Methyl methacrylate	9.659	41	512503	108.100	ug/l	99
49) 1,4-Dioxane	9.682	88	124110	2077.291	ug/l #	98
51) 4-Methyl-2-Pentanone	10.424	43	3302590	542.564	ug/l	100
52) Toluene	10.606	92	962754	101.291	ug/l	98
53) t-1,3-Dichloropropene	10.818	75	633621	105.515	ug/l	99
54) cis-1,3-Dichloropropene	10.294	75	656506	103.040	ug/l	97
55) 1,1,2-Trichloroethane	10.994	97	342175	94.361	ug/l	97
56) Ethyl methacrylate	10.853	69	625749	108.210	ug/l	99
57) 1,3-Dichloropropane	11.141	76	640348	100.162	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	1692209	548.624	ug/l	100
59) 2-Hexanone	11.177	43	2217550	553.982	ug/l	99
60) Dibromochloromethane	11.335	129	410889	99.677	ug/l	98
61) 1,2-Dibromoethane	11.447	107	368152	98.366	ug/l	100
64) Tetrachloroethene	11.082	164	357404	116.335	ug/l	95
65) Chlorobenzene	11.871	112	1006420	98.505	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.941	131	338748	100.385	ug/l	99
67) Ethyl Benzene	11.941	91	1873691	104.486	ug/l	99
68) m/p-Xylenes	12.047	106	1384206	206.446	ug/l	97
69) o-Xylene	12.376	106	657970	103.552	ug/l	99
70) Styrene	12.388	104	1127962	108.366	ug/l	99
71) Bromoform	12.559	173	265738	105.669	ug/l #	98
73) Isopropylbenzene	12.671	105	1773457	102.764	ug/l	100
74) N-amyl acetate	12.488	43	587472	119.520	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.918	83	498007	92.311	ug/l	100
76) 1,2,3-Trichloropropane	12.971	75	516579m	99.018	ug/l	
77) Bromobenzene	12.959	156	379553	100.455	ug/l	99
78) n-propylbenzene	13.012	91	2164268	102.898	ug/l	99
79) 2-Chlorotoluene	13.106	91	1244218	102.723	ug/l	99
80) 1,3,5-Trimethylbenzene	13.153	105	1451677	101.248	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.718	75	198381	104.496	ug/l #	88
82) 4-Chlorotoluene	13.200	91	1292288	98.511	ug/l	100
83) tert-Butylbenzene	13.418	119	1236180	97.579	ug/l	99
84) 1,2,4-Trimethylbenzene	13.459	105	1467849	102.168	ug/l	98
85) sec-Butylbenzene	13.594	105	1809286	97.599	ug/l	100
86) p-Isopropyltoluene	13.706	119	1507703	100.961	ug/l	99
87) 1,3-Dichlorobenzene	13.712	146	735647	98.718	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	746880	92.975	ug/l	99
89) n-Butylbenzene	14.035	91	1480732	100.761	ug/l	99
90) Hexachloroethane	14.312	117	265251	92.554	ug/l	99
91) 1,2-Dichlorobenzene	14.082	146	700211	97.354	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	131734	102.833	ug/l	99
93) 1,2,4-Trichlorobenzene	15.364	180	419347	96.834	ug/l	97
94) Hexachlorobutadiene	15.476	225	155408	97.909	ug/l	97
95) Naphthalene	15.612	128	1528952	102.050	ug/l	99
96) 1,2,3-Trichlorobenzene	15.812	180	408194	97.651	ug/l	98

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

