

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
 Data File : VN088349.D
 Acq On : 24 Nov 2025 14:35
 Operator : JC\MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Quant Time: Nov 25 01:13:19 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	278091	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	508326	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	457447	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	226673	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	800654	159.167	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 318.340%#			
35) Dibromofluoromethane	8.147	113	514160	147.513	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 295.020%#			
50) Toluene-d8	10.547	98	2002008	150.709	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 301.420%#			
62) 4-Bromofluorobenzene	12.829	95	734676	157.441	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 314.880%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.142	85	614298	180.703	ug/l	97
3) Chloromethane	2.383	50	637070	161.216	ug/l	98
4) Vinyl Chloride	2.536	62	643786	152.025	ug/l	99
5) Bromomethane	2.948	94	327351	132.741	ug/l	99
6) Chloroethane	3.124	64	404469	135.623	ug/l	99
7) Trichlorofluoromethane	3.506	101	880178	134.591	ug/l	97
8) Diethyl Ether	3.959	74	342692	137.150	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.365	101	461517	136.083	ug/l	99
10) Methyl Iodide	4.583	142	530186	162.959	ug/l	96
11) Tert butyl alcohol	5.524	59	615624	700.111	ug/l	99
12) 1,1-Dichloroethene	4.336	96	461833	128.534	ug/l	95
13) Acrolein	4.177	56	614784	639.165	ug/l	98
14) Allyl chloride	5.012	41	947252m	147.136	ug/l	
15) Acrylonitrile	5.706	53	1745154	730.587	ug/l	100
16) Acetone	4.418	43	1310595	539.272	ug/l	100
17) Carbon Disulfide	4.700	76	1529256	137.911	ug/l	99
18) Methyl Acetate	5.018	43	822075	155.669	ug/l	100
19) Methyl tert-butyl Ether	5.783	73	1946194	144.173	ug/l	97
20) Methylene Chloride	5.259	84	565609	132.915	ug/l	99
21) trans-1,2-Dichloroethene	5.771	96	522186	131.362	ug/l	100
22) Diisopropyl ether	6.659	45	2022262	149.459	ug/l	98
23) Vinyl Acetate	6.589	43	8352858m	697.381	ug/l	
24) 1,1-Dichloroethane	6.553	63	1073175	142.923	ug/l	98
25) 2-Butanone	7.471	43	2317712	701.347	ug/l	96
26) 2,2-Dichloropropane	7.477	77	948461	140.541	ug/l	99
27) cis-1,2-Dichloroethene	7.471	96	621100	134.889	ug/l	99
28) Bromochloromethane	7.794	49	498418	142.113	ug/l	100
29) Tetrahydrofuran	7.824	42	1661991	756.181	ug/l	99
30) Chloroform	7.947	83	1072381	143.821	ug/l	95
31) Cyclohexane	8.236	56	925517	133.789	ug/l	98
32) 1,1,1-Trichloroethane	8.153	97	920717	139.956	ug/l	96
36) 1,1-Dichloropropene	8.353	75	747080	145.584	ug/l	100
37) Ethyl Acetate	7.547	43	1038194	152.172	ug/l	100
38) Carbon Tetrachloride	8.341	117	776182	146.756	ug/l	96
39) Methylcyclohexane	9.583	83	856176	133.452	ug/l	96
40) Benzene	8.588	78	2252306	142.862	ug/l	98

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41) Methacrylonitrile	7.759	41	533051	150.887	ug/l	98
42) 1,2-Dichloroethane	8.653	62	895667	157.152	ug/l	99
43) Isopropyl Acetate	8.671	43	1638317	157.450	ug/l	99
44) Trichloroethene	9.335	130	529981	144.265	ug/l	98
45) 1,2-Dichloropropane	9.600	63	581336	145.238	ug/l	95
46) Dibromomethane	9.688	93	422737	147.782	ug/l	100
47) Bromodichloromethane	9.871	83	863631	150.736	ug/l	100
48) Methyl methacrylate	9.665	41	781838	162.758	ug/l	99
49) 1,4-Dioxane	9.683	88	191377	3161.388	ug/l #	97
51) 4-Methyl-2-Pentanone	10.424	43	4963362	804.767	ug/l	99
52) Toluene	10.612	92	1389323	144.264	ug/l	99
53) t-1,3-Dichloropropene	10.818	75	953623	156.732	ug/l	99
54) cis-1,3-Dichloropropene	10.294	75	975877	151.168	ug/l	98
55) 1,1,2-Trichloroethane	10.994	97	513073	139.644	ug/l	99
56) Ethyl methacrylate	10.853	69	954630	162.929	ug/l	99
57) 1,3-Dichloropropane	11.141	76	948252	146.389	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	2298552	735.483	ug/l	100
59) 2-Hexanone	11.177	43	3427514	845.082	ug/l	99
60) Dibromochloromethane	11.335	129	615359	147.332	ug/l	98
61) 1,2-Dibromoethane	11.447	107	548222	144.568	ug/l	99
64) Tetrachloroethene	11.082	164	503663	157.444	ug/l	98
65) Chlorobenzene	11.871	112	1467895	137.978	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.941	131	494738	140.800	ug/l	98
67) Ethyl Benzene	11.941	91	2679329	143.490	ug/l	99
68) m/p-Xylenes	12.047	106	1999338	286.370	ug/l	98
69) o-Xylene	12.376	106	971419	146.823	ug/l	99
70) Styrene	12.388	104	1660474	153.203	ug/l	99
71) Bromoform	12.559	173	404703	154.550	ug/l #	99
73) Isopropylbenzene	12.671	105	2520465	141.411	ug/l	99
74) N-amyl acetate	12.482	43	1006304	198.228	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	12.918	83	735899	132.074	ug/l	100
76) 1,2,3-Trichloropropane	12.971	75	778772m	144.533	ug/l	
77) Bromobenzene	12.959	156	554789	142.170	ug/l	97
78) n-propylbenzene	13.012	91	3057578	140.752	ug/l	100
79) 2-Chlorotoluene	13.100	91	1823307	145.751	ug/l	100
80) 1,3,5-Trimethylbenzene	13.153	105	2086957	140.933	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.718	75	314465	160.381	ug/l #	91
82) 4-Chlorotoluene	13.200	91	1905793	140.664	ug/l	99
83) tert-Butylbenzene	13.418	119	1733611	132.498	ug/l	99
84) 1,2,4-Trimethylbenzene	13.459	105	2111285	142.286	ug/l	99
85) sec-Butylbenzene	13.594	105	2498053	130.473	ug/l	100
86) p-Isopropyltoluene	13.706	119	2089505	135.476	ug/l	99
87) 1,3-Dichlorobenzene	13.712	146	1070574	139.099	ug/l	100
88) 1,4-Dichlorobenzene	13.788	146	1093471	131.796	ug/l	99
89) n-Butylbenzene	14.035	91	2025634	133.462	ug/l	99
90) Hexachloroethane	14.306	117	376335	127.143	ug/l	99
91) 1,2-Dichlorobenzene	14.082	146	1023417	137.771	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.700	75	204222	154.355	ug/l	100
93) 1,2,4-Trichlorobenzene	15.365	180	623560	139.416	ug/l	99
94) Hexachlorobutadiene	15.470	225	208495	127.182	ug/l	97
95) Naphthalene	15.612	128	2308447	149.183	ug/l	99
96) 1,2,3-Trichlorobenzene	15.812	180	605584	140.271	ug/l	98

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

