

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120325\
 Data File : VN088416.D
 Acq On : 03 Dec 2025 10:09
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 04 00:13:28 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	266209	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	462230	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	427792	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.765	152	213345	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	261610	52.167	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.340%			
35) Dibromofluoromethane	8.147	113	174831	54.580	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.160%			
50) Toluene-d8	10.541	98	642527	53.910	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.820%			
62) 4-Bromofluorobenzene	12.823	95	225998	55.264	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 110.520%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	210770	52.713	ug/l	98
3) Chloromethane	2.383	50	204982	47.732	ug/l	97
4) Vinyl Chloride	2.536	62	215956	49.431	ug/l	99
5) Bromomethane	2.977	94	97385	46.314	ug/l	97
6) Chloroethane	3.142	64	134435	49.724	ug/l	100
7) Trichlorofluoromethane	3.518	101	323024	52.607	ug/l	99
8) Diethyl Ether	3.959	74	111965	48.582	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.371	101	166272	50.865	ug/l	99
10) Methyl Iodide	4.589	142	139992	43.261	ug/l	95
11) Tert butyl alcohol	5.506	59	159327	198.997	ug/l #	84
12) 1,1-Dichloroethene	4.342	96	163270	50.271	ug/l	93
13) Acrolein	4.177	56	214176	279.411	ug/l	98
14) Allyl chloride	5.012	41	288947	48.000	ug/l	97
15) Acrylonitrile	5.706	53	568868	246.260	ug/l	99
16) Acetone	4.418	43	345446	190.472	ug/l	98
17) Carbon Disulfide	4.706	76	525851	49.548	ug/l	100
18) Methyl Acetate	5.012	43	274543	50.855	ug/l	99
19) Methyl tert-butyl Ether	5.783	73	636852	52.337	ug/l	97
20) Methylene Chloride	5.265	84	193115	49.768	ug/l	98
21) trans-1,2-Dichloroethene	5.771	96	181773	50.524	ug/l	99
22) Diisopropyl ether	6.659	45	674973	52.520	ug/l	98
23) Vinyl Acetate	6.589	43	3046674	294.236	ug/l	99
24) 1,1-Dichloroethane	6.547	63	373923	51.377	ug/l	98
25) 2-Butanone	7.465	43	668243	229.194	ug/l	97
26) 2,2-Dichloropropane	7.471	77	325624	51.834	ug/l	100
27) cis-1,2-Dichloroethene	7.471	96	212401	50.799	ug/l	98
28) Bromochloromethane	7.794	49	188119	51.887	ug/l	98
29) Tetrahydrofuran	7.824	42	530562	253.701	ug/l	99
30) Chloroform	7.947	83	376472	52.643	ug/l	94
31) Cyclohexane	8.236	56	333083	50.503	ug/l	99
32) 1,1,1-Trichloroethane	8.147	97	328819	52.294	ug/l	100
36) 1,1-Dichloropropene	8.353	75	261538	52.904	ug/l	100
37) Ethyl Acetate	7.541	43	330927	50.910	ug/l	98
38) Carbon Tetrachloride	8.341	117	279470	56.788	ug/l	97
39) Methylcyclohexane	9.577	83	285626	54.015	ug/l	93
40) Benzene	8.588	78	778207	53.634	ug/l	99

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41) Methacrylonitrile	7.759	41	173192	53.795	ug/l	96
42) 1,2-Dichloroethane	8.647	62	316259	57.130	ug/l	98
43) Isopropyl Acetate	8.671	43	520873	52.446	ug/l	99
44) Trichloroethene	9.330	130	170049	49.600	ug/l	99
45) 1,2-Dichloropropane	9.600	63	202215	54.396	ug/l	95
46) Dibromomethane	9.688	93	144881	54.610	ug/l	98
47) Bromodichloromethane	9.865	83	296516	54.776	ug/l	96
48) Methyl methacrylate	9.659	41	252113	55.636	ug/l	98
49) 1,4-Dioxane	9.677	88	49701	862.439	ug/l #	94
51) 4-Methyl-2-Pentanone	10.424	43	1637165	279.666	ug/l	99
52) Toluene	10.606	92	476264	56.846	ug/l	98
53) t-1,3-Dichloropropene	10.812	75	302012	54.354	ug/l	99
54) cis-1,3-Dichloropropene	10.288	75	322568	55.204	ug/l	91
55) 1,1,2-Trichloroethane	10.994	97	177106	54.637	ug/l	97
56) Ethyl methacrylate	10.853	69	299832	58.558	ug/l	99
57) 1,3-Dichloropropane	11.141	76	317144	54.234	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.135	63	865254	293.116	ug/l	99
59) 2-Hexanone	11.177	43	1019410	276.431	ug/l	99
60) Dibromochloromethane	11.335	129	203281	55.011	ug/l	96
61) 1,2-Dibromoethane	11.447	107	176881	53.887	ug/l	99
64) Tetrachloroethene	11.082	164	155084	45.729	ug/l	96
65) Chlorobenzene	11.871	112	490827	51.080	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.935	131	169798	52.393	ug/l	97
67) Ethyl Benzene	11.941	91	896457	53.378	ug/l	99
68) m/p-Xylenes	12.047	106	677300	108.770	ug/l	98
69) o-Xylene	12.376	106	313812	52.861	ug/l	100
70) Styrene	12.388	104	541836	56.212	ug/l	99
71) Bromoform	12.559	173	127101	53.544	ug/l #	97
73) Isopropylbenzene	12.671	105	842054	53.381	ug/l	99
74) N-amyl acetate	12.500	43	210218m	39.131	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	256612	50.320	ug/l	100
76) 1,2,3-Trichloropropane	12.971	75	255919m	51.215	ug/l	
77) Bromobenzene	12.959	156	184770	51.194	ug/l	99
78) n-propylbenzene	13.012	91	1038692	53.824	ug/l	99
79) 2-Chlorotoluene	13.100	91	610198	51.779	ug/l	99
80) 1,3,5-Trimethylbenzene	13.147	105	710935	54.389	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.718	75	91405	51.894	ug/l #	85
82) 4-Chlorotoluene	13.200	91	645688	55.164	ug/l	98
83) tert-Butylbenzene	13.412	119	583188	52.485	ug/l	98
84) 1,2,4-Trimethylbenzene	13.459	105	704701	54.240	ug/l	99
85) sec-Butylbenzene	13.594	105	848228	53.137	ug/l	100
86) p-Isopropyltoluene	13.706	119	704236	53.801	ug/l	99
87) 1,3-Dichlorobenzene	13.712	146	356592	50.754	ug/l	98
88) 1,4-Dichlorobenzene	13.788	146	363362	49.372	ug/l	98
89) n-Butylbenzene	14.029	91	669720	52.694	ug/l	99
90) Hexachloroethane	14.306	117	125835	52.623	ug/l	97
91) 1,2-Dichlorobenzene	14.082	146	337073	50.982	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.694	75	61396	49.621	ug/l	94
93) 1,2,4-Trichlorobenzene	15.364	180	189586	48.260	ug/l	97
94) Hexachlorobutadiene	15.470	225	71090	50.359	ug/l	97
95) Naphthalene	15.612	128	671069	49.297	ug/l	99
96) 1,2,3-Trichlorobenzene	15.812	180	187617	49.073	ug/l	99

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

