

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111225\
 Data File : VN088265.D
 Acq On : 12 Nov 2025 10:07
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Nov 14 00:05:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 03 01:16:06 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John Carlone 11/14/2025
 Supervised By :Semsettin Yesilyurt 11/14/2025

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	249457	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	447443	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	404372	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	210806	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	256002	59.347	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 118.700%			
35) Dibromofluoromethane	8.147	113	175077	58.244	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 116.480%			
50) Toluene-d8	10.541	98	635383	54.858	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.720%			
62) 4-Bromofluorobenzene	12.823	95	232209	56.768	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 113.540%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	140157	49.809	ug/l	97
3) Chloromethane	2.383	50	163488	49.386	ug/l	96
4) Vinyl Chloride	2.536	62	179017	49.631	ug/l	96
5) Bromomethane	2.965	94	102256	47.397	ug/l	88
6) Chloroethane	3.136	64	119826	46.109	ug/l	98
7) Trichlorofluoromethane	3.512	101	282764	49.151	ug/l	100
8) Diethyl Ether	3.959	74	111472	52.135	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.365	101	152724	51.447	ug/l	97
10) Methyl Iodide	4.583	142	153578	56.609	ug/l	96
11) Tert butyl alcohol	5.518	59	189384	254.841	ug/l	98
12) 1,1-Dichloroethene	4.342	96	148280	47.292	ug/l	98
13) Acrolein	4.171	56	206757	247.344	ug/l	99
14) Allyl chloride	5.012	41	291334	53.012	ug/l	100
15) Acrylonitrile	5.706	53	590035	291.477	ug/l	99
16) Acetone	4.418	43	641189	295.873	ug/l	99
17) Carbon Disulfide	4.706	76	443060	46.486	ug/l	98
18) Methyl Acetate	5.018	43	282371	63.646	ug/l	100
19) Methyl tert-butyl Ether	5.783	73	633940	55.055	ug/l	98
20) Methylene Chloride	5.265	84	194174	53.377	ug/l	96
21) trans-1,2-Dichloroethene	5.777	96	172011	49.980	ug/l	98
22) Diisopropyl ether	6.659	45	666531	57.670	ug/l	97
23) Vinyl Acetate	6.588	43	3026114	290.668	ug/l	99
24) 1,1-Dichloroethane	6.553	63	366002	57.168	ug/l	97
25) 2-Butanone	7.471	43	843285	295.275	ug/l	100
26) 2,2-Dichloropropane	7.471	77	315573	54.241	ug/l	98
27) cis-1,2-Dichloroethene	7.471	96	208966	52.742	ug/l	93
28) Bromochloromethane	7.794	49	172565	57.045	ug/l	94
29) Tetrahydrofuran	7.824	42	524322	281.709	ug/l	98
30) Chloroform	7.947	83	368696	57.646	ug/l	98
31) Cyclohexane	8.235	56	297885	49.334	ug/l	92
32) 1,1,1-Trichloroethane	8.147	97	312120	54.792	ug/l	97
36) 1,1-Dichloropropene	8.353	75	248409	56.598	ug/l	100
37) Ethyl Acetate	7.547	43	328655	58.026	ug/l	98
38) Carbon Tetrachloride	8.341	117	263371	58.099	ug/l	100
39) Methylcyclohexane	9.582	83	267432	47.404	ug/l	98
40) Benzene	8.588	78	748750	56.017	ug/l	99

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41) Methacrylonitrile	7.759	41	174721	58.611	ug/l	98
42) 1,2-Dichloroethane	8.653	62	301188	63.417	ug/l	97
43) Isopropyl Acetate	8.671	43	529094	60.792	ug/l	99
44) Trichloroethene	9.329	130	168931	54.070	ug/l	98
45) 1,2-Dichloropropane	9.600	63	199783	59.203	ug/l	98
46) Dibromomethane	9.688	93	141171	58.657	ug/l	97
47) Bromodichloromethane	9.865	83	295312	61.287	ug/l	99
48) Methyl methacrylate	9.665	41	247168	61.512	ug/l	99
49) 1,4-Dioxane	9.682	88	58392	1168.411	ug/l #	93
51) 4-Methyl-2-Pentanone	10.423	43	1633760	317.310	ug/l	99
52) Toluene	10.606	92	462024	56.063	ug/l	98
53) t-1,3-Dichloropropene	10.812	75	309902	60.428	ug/l	97
54) cis-1,3-Dichloropropene	10.288	75	322761	59.309	ug/l	97
55) 1,1,2-Trichloroethane	10.994	97	180623	57.770	ug/l	97
56) Ethyl methacrylate	10.853	69	306322	61.910	ug/l	98
57) 1,3-Dichloropropane	11.141	76	327904	59.667	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.141	63	884387	343.632	ug/l	97
59) 2-Hexanone	11.176	43	1128516	330.403	ug/l	98
60) Dibromochloromethane	11.335	129	214582	60.383	ug/l	98
61) 1,2-Dibromoethane	11.447	107	184459	57.325	ug/l	100
64) Tetrachloroethene	11.082	164	140028	52.498	ug/l	94
65) Chlorobenzene	11.870	112	505385	55.041	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.935	131	175689	58.403	ug/l	98
67) Ethyl Benzene	11.941	91	890460	55.249	ug/l	100
68) m/p-Xylenes	12.047	106	667106	110.469	ug/l	100
69) o-Xylene	12.376	106	322415	56.321	ug/l	100
70) Styrene	12.388	104	548902	58.800	ug/l	97
71) Bromoform	12.553	173	129912	57.869	ug/l #	100
73) Isopropylbenzene	12.670	105	837014	51.480	ug/l	100
74) N-amyl acetate	12.500	43	240600m	52.129	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.912	83	277017	54.726	ug/l	99
76) 1,2,3-Trichloropropane	12.970	75	261660m	54.290	ug/l	
77) Bromobenzene	12.959	156	193007	55.049	ug/l	97
78) n-propylbenzene	13.012	91	1048959	52.867	ug/l	100
79) 2-Chlorotoluene	13.100	91	630932	55.759	ug/l	97
80) 1,3,5-Trimethylbenzene	13.147	105	726271	53.785	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.717	75	92207	53.368	ug/l	88
82) 4-Chlorotoluene	13.200	91	661286	54.018	ug/l	97
83) tert-Butylbenzene	13.412	119	614182	50.917	ug/l	99
84) 1,2,4-Trimethylbenzene	13.459	105	735369	54.431	ug/l	99
85) sec-Butylbenzene	13.594	105	887674	50.089	ug/l	100
86) p-Isopropyltoluene	13.706	119	751409	52.854	ug/l	98
87) 1,3-Dichlorobenzene	13.711	146	379388	54.205	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	385634	51.299	ug/l	99
89) n-Butylbenzene	14.029	91	713923	50.696	ug/l	99
90) Hexachloroethane	14.306	117	140098	50.887	ug/l	96
91) 1,2-Dichlorobenzene	14.082	146	361282	53.549	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	64439	54.694	ug/l	95
93) 1,2,4-Trichlorobenzene	15.370	180	206420	50.519	ug/l	99
94) Hexachlorobutadiene	15.470	225	78662	51.697	ug/l	97
95) Naphthalene	15.611	128	715747	51.134	ug/l	100
96) 1,2,3-Trichlorobenzene	15.811	180	196629	50.189	ug/l	97

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

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