

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091025\
 Data File : VN087774.D
 Acq On : 10 Sep 2025 11:47
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 11 02:00:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 02:55:42 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/11/2025
 Supervised By :Mahesh Dadoda 09/11/2025

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	241352	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	467783	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	458675	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	238791	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	237927	48.114	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.220%		
35) Dibromofluoromethane	8.147	113	175170	51.866	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	103.740%		
50) Toluene-d8	10.547	98	629636	49.809	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.620%		
62) 4-Bromofluorobenzene	12.829	95	227744	50.660	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	101.320%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.142	85	147328	42.979	ug/l	100
3) Chloromethane	2.383	50	157207	44.626	ug/l	98
4) Vinyl Chloride	2.536	62	177002	43.335	ug/l	98
5) Bromomethane	2.965	94	96413	45.747	ug/l	96
6) Chloroethane	3.136	64	124346	43.315	ug/l	99
7) Trichlorofluoromethane	3.512	101	278619	46.559	ug/l	99
8) Diethyl Ether	3.959	74	118429	45.442	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	152596	45.065	ug/l	99
10) Methyl Iodide	4.577	142	112139	45.088	ug/l #	87
11) Tert butyl alcohol	5.518	59	194684	226.779	ug/l	99
12) 1,1-Dichloroethene	4.342	96	154816	44.491	ug/l	88
13) Acrolein	4.171	56	282802	267.962	ug/l	98
14) Allyl chloride	5.012	41	257654	40.860	ug/l	98
15) Acrylonitrile	5.706	53	569368	235.168	ug/l	100
16) Acetone	4.424	43	556711	206.809	ug/l	97
17) Carbon Disulfide	4.706	76	384427	40.130	ug/l	98
18) Methyl Acetate	5.018	43	308814	54.790	ug/l	97
19) Methyl tert-butyl Ether	5.783	73	622186	47.664	ug/l	98
20) Methylene Chloride	5.259	84	181511	46.531	ug/l	94
21) trans-1,2-Dichloroethene	5.771	96	166727	44.210	ug/l	93
22) Diisopropyl ether	6.653	45	652802	47.973	ug/l	99
23) Vinyl Acetate	6.588	43	2882973	232.870	ug/l	99
24) 1,1-Dichloroethane	6.553	63	344080	46.117	ug/l	96
25) 2-Butanone	7.471	43	805702	227.500	ug/l	99
26) 2,2-Dichloropropane	7.471	77	279672	43.674	ug/l	100
27) cis-1,2-Dichloroethene	7.471	96	210048	46.590	ug/l	98
28) Bromochloromethane	7.794	49	172770	47.899	ug/l	96
29) Tetrahydrofuran	7.824	42	529567	232.349	ug/l	100
30) Chloroform	7.947	83	368659	48.410	ug/l	99
31) Cyclohexane	8.235	56	249113	40.051	ug/l	94
32) 1,1,1-Trichloroethane	8.153	97	300706	46.594	ug/l	96
36) 1,1-Dichloropropene	8.353	75	228921	44.182	ug/l	99
37) Ethyl Acetate	7.547	43	324200	45.790	ug/l	99
38) Carbon Tetrachloride	8.341	117	250903	49.046	ug/l	98
39) Methylcyclohexane	9.582	83	242623	42.533	ug/l	99
40) Benzene	8.588	78	753143	47.392	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.759	41	172819	47.121	ug/l	99
42) 1,2-Dichloroethane	8.653	62	289191	47.355	ug/l	100
43) Isopropyl Acetate	8.671	43	528084	47.773	ug/l	99
44) Trichloroethene	9.329	130	168145	46.343	ug/l	89
45) 1,2-Dichloropropane	9.600	63	195830	46.749	ug/l	99
46) Dibromomethane	9.688	93	147387	49.443	ug/l	98
47) Bromodichloromethane	9.871	83	304671	49.870	ug/l	99
48) Methyl methacrylate	9.665	41	247231	47.284	ug/l	98
49) 1,4-Dioxane	9.682	88	69684	1028.244	ug/l #	95
51) 4-Methyl-2-Pentanone	10.424	43	1664244	249.536	ug/l	99
52) Toluene	10.612	92	471660	47.874	ug/l	100
53) t-1,3-Dichloropropene	10.818	75	313674	49.603	ug/l	100
54) cis-1,3-Dichloropropene	10.294	75	319829	48.709	ug/l	99
55) 1,1,2-Trichloroethane	10.994	97	196689	51.608	ug/l	96
56) Ethyl methacrylate	10.853	69	316909	52.031	ug/l	99
57) 1,3-Dichloropropane	11.141	76	339367	50.314	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	795826	241.403	ug/l	99
59) 2-Hexanone	11.176	43	1125287	266.971	ug/l	99
60) Dibromochloromethane	11.341	129	229719	52.019	ug/l	100
61) 1,2-Dibromoethane	11.447	107	201051	50.029	ug/l	100
64) Tetrachloroethene	11.082	164	137887	43.330	ug/l	96
65) Chlorobenzene	11.870	112	531659	46.591	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.941	131	192598	50.840	ug/l	99
67) Ethyl Benzene	11.941	91	915074	46.315	ug/l	98
68) m/p-Xylenes	12.047	106	697974	96.326	ug/l	96
69) o-Xylene	12.376	106	334657	47.128	ug/l	98
70) Styrene	12.388	104	596463	50.138	ug/l	98
71) Bromoform	12.559	173	152417	52.460	ug/l	100
73) Isopropylbenzene	12.670	105	866761	44.919	ug/l	99
74) N-amyl acetate	12.500	43	347539m	47.527	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.917	83	311691	46.918	ug/l	99
76) 1,2,3-Trichloropropane	12.970	75	281813m	50.326	ug/l	
77) Bromobenzene	12.959	156	217125	47.724	ug/l	96
78) n-propylbenzene	13.012	91	1084937	45.648	ug/l	100
79) 2-Chlorotoluene	13.100	91	642986	44.954	ug/l	99
80) 1,3,5-Trimethylbenzene	13.153	105	752254	45.956	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.717	75	100889	47.697	ug/l	85
82) 4-Chlorotoluene	13.200	91	671717	44.668	ug/l	97
83) tert-Butylbenzene	13.412	119	639434	46.877	ug/l	97
84) 1,2,4-Trimethylbenzene	13.459	105	770562	47.025	ug/l	100
85) sec-Butylbenzene	13.594	105	948300	46.847	ug/l	100
86) p-Isopropyltoluene	13.706	119	789227	47.216	ug/l	99
87) 1,3-Dichlorobenzene	13.712	146	424202	47.347	ug/l	96
88) 1,4-Dichlorobenzene	13.788	146	427525	45.853	ug/l	98
89) n-Butylbenzene	14.035	91	754815	45.468	ug/l	99
90) Hexachloroethane	14.312	117	157428	49.435	ug/l	93
91) 1,2-Dichlorobenzene	14.082	146	403673	47.491	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.694	75	69443	44.003	ug/l	96
93) 1,2,4-Trichlorobenzene	15.364	180	240489	47.116	ug/l	98
94) Hexachlorobutadiene	15.476	225	88313	48.532	ug/l	97
95) Naphthalene	15.611	128	836556	46.272	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	236314	47.359	ug/l	99

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

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