

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
 Data File : VN088013.D
 Acq On : 03 Oct 2025 10:17
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Oct 04 02:51:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 05:05:30 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
 Supervised By :Semsettin Yesilyurt 10/06/2025

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	211900	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	407793	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	399348	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	212700	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	189558	53.155	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.320%			
35) Dibromofluoromethane	8.147	113	147566	49.840	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.680%			
50) Toluene-d8	10.547	98	515889	49.548	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.100%			
62) 4-Bromofluorobenzene	12.829	95	180495	48.498	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.000%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	119124	48.543	ug/l	99
3) Chloromethane	2.383	50	124349	49.489	ug/l	100
4) Vinyl Chloride	2.536	62	129985	50.707	ug/l	97
5) Bromomethane	2.971	94	81460	51.258	ug/l	92
6) Chloroethane	3.142	64	94576	56.742	ug/l	94
7) Trichlorofluoromethane	3.512	101	226552	54.280	ug/l	97
8) Diethyl Ether	3.965	74	85426	54.177	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.371	101	118105	53.539	ug/l	99
10) Methyl Iodide	4.577	142	110011	55.410	ug/l	95
11) Tert butyl alcohol	5.518	59	120578	234.750	ug/l	100
12) 1,1-Dichloroethene	4.341	96	118331	53.163	ug/l	92
13) Acrolein	4.177	56	101381	153.827	ug/l	99
14) Allyl chloride	5.018	41	169750	46.845	ug/l	94
15) Acrylonitrile	5.706	53	449175	278.787	ug/l	99
16) Acetone	4.418	43	356272	242.815	ug/l	97
17) Carbon Disulfide	4.712	76	325539	46.810	ug/l	100
18) Methyl Acetate	5.018	43	241763	65.840	ug/l	99
19) Methyl tert-butyl Ether	5.788	73	494136	56.830	ug/l	100
20) Methylene Chloride	5.265	84	163946	55.203	ug/l	97
21) trans-1,2-Dichloroethene	5.777	96	145759	53.418	ug/l	87
22) Diisopropyl ether	6.653	45	505565	59.764	ug/l	96
23) Vinyl Acetate	6.588	43	2159268	303.155	ug/l	99
24) 1,1-Dichloroethane	6.553	63	278930	56.439	ug/l	98
25) 2-Butanone	7.465	43	599104	267.143	ug/l	99
26) 2,2-Dichloropropane	7.471	77	140646	32.031	ug/l	95
27) cis-1,2-Dichloroethene	7.471	96	180488	55.591	ug/l	94
28) Bromochloromethane	7.800	49	129042	48.057	ug/l	97
29) Tetrahydrofuran	7.824	42	404402	281.618	ug/l	99
30) Chloroform	7.947	83	309633	57.299	ug/l	96
31) Cyclohexane	8.241	56	199447	49.875	ug/l	96
32) 1,1,1-Trichloroethane	8.147	97	252160	55.224	ug/l	97
36) 1,1-Dichloropropene	8.353	75	184552	51.838	ug/l	98
37) Ethyl Acetate	7.547	43	252668	54.045	ug/l	100
38) Carbon Tetrachloride	8.347	117	214305	52.458	ug/l	96
39) Methylcyclohexane	9.582	83	186475	47.480	ug/l	93
40) Benzene	8.588	78	631046	53.533	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.759	41	127328	52.700	ug/l	96
42) 1,2-Dichloroethane	8.653	62	228809	52.013	ug/l	99
43) Isopropyl Acetate	8.671	43	399665	54.310	ug/l	99
44) Trichloroethene	9.329	130	142273	50.528	ug/l	94
45) 1,2-Dichloropropane	9.600	63	160540	54.312	ug/l	98
46) Dibromomethane	9.688	93	128880	55.256	ug/l	93
47) Bromodichloromethane	9.871	83	252397	55.172	ug/l	93
48) Methyl methacrylate	9.665	41	187451	55.005	ug/l	97
49) 1,4-Dioxane	9.682	88	45542	904.603	ug/l #	84
51) 4-Methyl-2-Pentanone	10.423	43	1297788	282.622	ug/l	100
52) Toluene	10.606	92	389751	52.688	ug/l	96
53) t-1,3-Dichloropropene	10.818	75	231861	49.522	ug/l	99
54) cis-1,3-Dichloropropene	10.294	75	233459	48.009	ug/l	98
55) 1,1,2-Trichloroethane	10.994	97	165143	54.906	ug/l	97
56) Ethyl methacrylate	10.853	69	250497	57.638	ug/l	97
57) 1,3-Dichloropropane	11.141	76	270690	54.717	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.141	63	726559	355.558	ug/l	100
59) 2-Hexanone	11.176	43	878869	289.453	ug/l	99
60) Dibromochloromethane	11.341	129	194024	54.865	ug/l	99
61) 1,2-Dibromoethane	11.447	107	173418	54.463	ug/l	99
64) Tetrachloroethene	11.082	164	126880	52.158	ug/l	98
65) Chlorobenzene	11.870	112	441827	51.989	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.941	131	162876	53.146	ug/l	96
67) Ethyl Benzene	11.941	91	744976	52.535	ug/l	97
68) m/p-Xylenes	12.047	106	578990	106.758	ug/l	98
69) o-Xylene	12.376	106	279227	53.589	ug/l	99
70) Styrene	12.388	104	490624	54.825	ug/l	99
71) Bromoform	12.559	173	132671	53.359	ug/l #	100
73) Isopropylbenzene	12.676	105	710671	53.910	ug/l	100
74) N-amyl acetate	12.506	43	225597m	51.938	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.917	83	254009	53.479	ug/l	99
76) 1,2,3-Trichloropropane	12.970	75	197976m	47.218	ug/l	
77) Bromobenzene	12.959	156	183930	52.440	ug/l	98
78) n-propylbenzene	13.011	91	871697	52.889	ug/l	100
79) 2-Chlorotoluene	13.100	91	519382	51.754	ug/l	99
80) 1,3,5-Trimethylbenzene	13.147	105	605591	53.110	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.717	75	65552	43.414	ug/l	98
82) 4-Chlorotoluene	13.200	91	542423	53.641	ug/l	100
83) tert-Butylbenzene	13.417	119	521941	54.079	ug/l	97
84) 1,2,4-Trimethylbenzene	13.459	105	629394	53.814	ug/l	99
85) sec-Butylbenzene	13.594	105	749419	52.962	ug/l	98
86) p-Isopropyltoluene	13.706	119	629181	52.499	ug/l	99
87) 1,3-Dichlorobenzene	13.711	146	357765	52.270	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	366323	52.078	ug/l	97
89) n-Butylbenzene	14.035	91	565873	49.962	ug/l	100
90) Hexachloroethane	14.311	117	129377	51.680	ug/l	97
91) 1,2-Dichlorobenzene	14.082	146	337690	51.184	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	54794	49.649	ug/l	98
93) 1,2,4-Trichlorobenzene	15.364	180	185116	47.522	ug/l	99
94) Hexachlorobutadiene	15.470	225	64377	44.901	ug/l	97
95) Naphthalene	15.611	128	660404	52.814	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	187836	49.600	ug/l	97

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

