

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120225\
 Data File : VN088396.D
 Acq On : 02 Dec 2025 10:00
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/03/2025
 Supervised By : Mahesh Dadoda 12/03/2025

Quant Time: Dec 03 01:21:14 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

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

Internal Standards						
1) Pentafluorobenzene	8.200	168	256486	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	469714	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	423596	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.764	152	206439	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	253924	52.554	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.100%			
35) Dibromofluoromethane	8.147	113	169082	51.944	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.880%			
50) Toluene-d8	10.541	98	627431	51.805	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.600%			
62) 4-Bromofluorobenzene	12.823	95	222462	53.532	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 107.060%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	201707	52.358	ug/l	94
3) Chloromethane	2.383	50	216818	52.402	ug/l	99
4) Vinyl Chloride	2.536	62	216260	51.377	ug/l	99
5) Bromomethane	2.977	94	110057	54.325	ug/l	97
6) Chloroethane	3.142	64	138211	53.058	ug/l	98
7) Trichlorofluoromethane	3.512	101	302840	51.190	ug/l	97
8) Diethyl Ether	3.959	74	120321	54.187	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	157122	49.888	ug/l	100
10) Methyl Iodide	4.583	142	162151	52.008	ug/l	96
11) Tert butyl alcohol	5.518	59	176749	229.125	ug/l	100
12) 1,1-Dichloroethene	4.342	96	157796	50.427	ug/l	95
13) Acrolein	4.177	56	238001	322.263	ug/l	100
14) Allyl chloride	5.018	41	307219	52.970	ug/l	99
15) Acrylonitrile	5.706	53	577731	259.578	ug/l	99
16) Acetone	4.418	43	394251	225.623	ug/l	100
17) Carbon Disulfide	4.706	76	519802	50.834	ug/l	99
18) Methyl Acetate	5.018	43	275418	52.951	ug/l	99
19) Methyl tert-butyl Ether	5.783	73	656073	55.961	ug/l	98
20) Methylene Chloride	5.265	84	194465	52.016	ug/l	99
21) trans-1,2-Dichloroethene	5.777	96	182652	52.692	ug/l	99
22) Diisopropyl ether	6.653	45	690417	55.758	ug/l	97
23) Vinyl Acetate	6.588	43	2783447m	279.005	ug/l	
24) 1,1-Dichloroethane	6.553	63	373550	53.272	ug/l	98
25) 2-Butanone	7.465	43	721770	256.937	ug/l	98
26) 2,2-Dichloropropane	7.471	77	326244	53.901	ug/l	100
27) cis-1,2-Dichloroethene	7.471	96	213398	52.972	ug/l	97
28) Bromochloromethane	7.794	49	179221	51.306	ug/l	99
29) Tetrahydrofuran	7.818	42	530848	263.460	ug/l	99
30) Chloroform	7.947	83	375046	54.432	ug/l	93
31) Cyclohexane	8.235	56	316054	49.737	ug/l	97
32) 1,1,1-Trichloroethane	8.147	97	319775	52.783	ug/l	99
36) 1,1-Dichloropropene	8.353	75	252809	50.323	ug/l	99
37) Ethyl Acetate	7.541	43	327556	49.588	ug/l	99
38) Carbon Tetrachloride	8.341	117	264813	52.952	ug/l	99
39) Methylcyclohexane	9.577	83	269744	50.199	ug/l	95
40) Benzene	8.582	78	778430	52.795	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.759	41	179724	54.934	ug/l	96
42) 1,2-Dichloroethane	8.647	62	313321	55.698	ug/l	100
43) Isopropyl Acetate	8.671	43	536207	53.130	ug/l	98
44) Trichloroethene	9.329	130	173301	49.744	ug/l	99
45) 1,2-Dichloropropane	9.600	63	202253	53.539	ug/l	95
46) Dibromomethane	9.688	93	145893	54.115	ug/l	98
47) Bromodichloromethane	9.865	83	299715	54.485	ug/l	95
48) Methyl methacrylate	9.659	41	251492	54.615	ug/l	99
49) 1,4-Dioxane	9.677	88	52735	900.506	ug/l #	100
51) 4-Methyl-2-Pentanone	10.424	43	1630933	274.163	ug/l	99
52) Toluene	10.606	92	472055	55.446	ug/l	100
53) t-1,3-Dichloropropene	10.812	75	314605	55.718	ug/l	98
54) cis-1,3-Dichloropropene	10.288	75	328168	55.267	ug/l	93
55) 1,1,2-Trichloroethane	10.994	97	176797	53.673	ug/l	97
56) Ethyl methacrylate	10.853	69	309997	59.578	ug/l	98
57) 1,3-Dichloropropane	11.141	76	325930	54.848	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.135	63	889687	296.591	ug/l	100
59) 2-Hexanone	11.176	43	1056107	281.819	ug/l	99
60) Dibromochloromethane	11.335	129	206242	54.923	ug/l	97
61) 1,2-Dibromoethane	11.447	107	179422	53.790	ug/l	98
64) Tetrachloroethene	11.082	164	150384	44.782	ug/l	95
65) Chlorobenzene	11.870	112	501501	52.708	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.935	131	173343	54.016	ug/l	99
67) Ethyl Benzene	11.941	91	894936	53.815	ug/l	98
68) m/p-Xylenes	12.047	106	675748	109.596	ug/l	98
69) o-Xylene	12.376	106	320961	54.601	ug/l	98
70) Styrene	12.388	104	558107	58.473	ug/l	98
71) Bromoform	12.559	173	129299	55.009	ug/l #	99
73) Isopropylbenzene	12.670	105	839483	54.998	ug/l	99
74) N-amyl acetate	12.500	43	224758	43.238	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.912	83	256991	52.080	ug/l	99
76) 1,2,3-Trichloropropane	12.965	75	252352m	52.191	ug/l	
77) Bromobenzene	12.959	156	190306	54.491	ug/l	97
78) n-propylbenzene	13.012	91	1016994	54.462	ug/l	100
79) 2-Chlorotoluene	13.100	91	612443	53.708	ug/l	100
80) 1,3,5-Trimethylbenzene	13.147	105	697012	55.108	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.712	75	94876	55.667	ug/l #	96
82) 4-Chlorotoluene	13.200	91	640056	56.512	ug/l	99
83) tert-Butylbenzene	13.412	119	575684	53.542	ug/l	99
84) 1,2,4-Trimethylbenzene	13.459	105	713305	56.739	ug/l	98
85) sec-Butylbenzene	13.594	105	828143	53.615	ug/l	100
86) p-Isopropyltoluene	13.706	119	701349	55.372	ug/l	100
87) 1,3-Dichlorobenzene	13.712	146	361671	53.199	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	371515	52.169	ug/l	98
89) n-Butylbenzene	14.029	91	658940	53.581	ug/l	99
90) Hexachloroethane	14.306	117	126648	54.735	ug/l	100
91) 1,2-Dichlorobenzene	14.082	146	343460	53.685	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.694	75	62450	52.162	ug/l	96
93) 1,2,4-Trichlorobenzene	15.364	180	196829	51.780	ug/l	98
94) Hexachlorobutadiene	15.470	225	68831	50.390	ug/l	97
95) Naphthalene	15.611	128	703067	53.375	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	189649	51.264	ug/l	97

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

