

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082525\
 Data File : VN087666.D
 Acq On : 25 Aug 2025 18:10
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 26 01:41:35 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 : John Carlone 08/26/2025
 Supervised By : Mahesh Dadoda 08/26/2025

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	215450	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	414268	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	394391	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	201077	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	190191	43.085	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	86.160%		
35) Dibromofluoromethane	8.147	113	133414	44.605	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.220%		
50) Toluene-d8	10.547	98	495439	44.256	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	88.520%		
62) 4-Bromofluorobenzene	12.829	95	179200	45.011	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	90.020%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	142346	46.518	ug/l	98
3) Chloromethane	2.389	50	139967	44.509	ug/l	99
4) Vinyl Chloride	2.542	62	161208	44.213	ug/l	98
5) Bromomethane	2.971	94	78668	41.815	ug/l	96
6) Chloroethane	3.136	64	109709	42.811	ug/l	96
7) Trichlorofluoromethane	3.512	101	248002	46.425	ug/l	96
8) Diethyl Ether	3.965	74	99076	42.586	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	132474	43.826	ug/l	98
10) Methyl Iodide	4.583	142	66988	32.425	ug/l	97
11) Tert butyl alcohol	5.524	59	169199	220.788	ug/l	98
12) 1,1-Dichloroethene	4.336	96	134746	43.379	ug/l	92
13) Acrolein	4.177	56	225598	239.459	ug/l	98
14) Allyl chloride	5.018	41	222809	39.582	ug/l	98
15) Acrylonitrile	5.712	53	464984	215.143	ug/l	99
16) Acetone	4.424	43	443056	184.375	ug/l	98
17) Carbon Disulfide	4.706	76	355008	41.514	ug/l	100
18) Methyl Acetate	5.018	43	224572	44.634	ug/l	98
19) Methyl tert-butyl Ether	5.794	73	515290	44.220	ug/l	97
20) Methylene Chloride	5.259	84	152370	43.681	ug/l	93
21) trans-1,2-Dichloroethene	5.771	96	140181	41.640	ug/l	91
22) Diisopropyl ether	6.659	45	532178	43.810	ug/l	99
23) Vinyl Acetate	6.594	43	2469014	223.409	ug/l	100
24) 1,1-Dichloroethane	6.559	63	282199	42.370	ug/l	98
25) 2-Butanone	7.471	43	666872	210.937	ug/l	96
26) 2,2-Dichloropropane	7.477	77	228369	39.950	ug/l	100
27) cis-1,2-Dichloroethene	7.471	96	170742	42.424	ug/l	98
28) Bromochloromethane	7.800	49	148259	46.045	ug/l	99
29) Tetrahydrofuran	7.824	42	440302	216.409	ug/l	99
30) Chloroform	7.953	83	297861	43.815	ug/l	99
31) Cyclohexane	8.241	56	232007	41.785	ug/l	99
32) 1,1,1-Trichloroethane	8.147	97	247082	42.888	ug/l	98
36) 1,1-Dichloropropene	8.353	75	199305	43.435	ug/l	100
37) Ethyl Acetate	7.547	43	263133	41.966	ug/l	98
38) Carbon Tetrachloride	8.347	117	205384	45.334	ug/l	95
39) Methylcyclohexane	9.582	83	216856	42.927	ug/l	96
40) Benzene	8.588	78	624707	44.388	ug/l	98

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41) Methacrylonitrile	7.765	41	147798	45.505	ug/l	98
42) 1,2-Dichloroethane	8.653	62	241975	44.741	ug/l	100
43) Isopropyl Acetate	8.671	43	446279	45.588	ug/l	99
44) Trichloroethene	9.335	130	136259	42.406	ug/l	94
45) 1,2-Dichloropropane	9.600	63	160560	43.281	ug/l	94
46) Dibromomethane	9.688	93	119095	45.113	ug/l	99
47) Bromodichloromethane	9.871	83	237179	43.838	ug/l	97
48) Methyl methacrylate	9.665	41	207701	44.855	ug/l	98
49) 1,4-Dioxane	9.682	88	56584	942.800	ug/l #	95
51) 4-Methyl-2-Pentanone	10.424	43	1389509	235.256	ug/l	100
52) Toluene	10.612	92	381935	43.775	ug/l	98
53) t-1,3-Dichloropropene	10.818	75	252546	45.095	ug/l	100
54) cis-1,3-Dichloropropene	10.294	75	260421	44.785	ug/l	97
55) 1,1,2-Trichloroethane	10.994	97	156335	46.319	ug/l	94
56) Ethyl methacrylate	10.853	69	253994	47.088	ug/l	95
57) 1,3-Dichloropropane	11.141	76	271831	45.507	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.141	63	552289	189.171	ug/l	100
59) 2-Hexanone	11.176	43	945826	253.382	ug/l	99
60) Dibromochloromethane	11.335	129	172339	44.067	ug/l	98
61) 1,2-Dibromoethane	11.447	107	159494	44.815	ug/l	99
64) Tetrachloroethene	11.082	164	110604	40.422	ug/l	93
65) Chlorobenzene	11.871	112	420578	42.864	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.941	131	142012	43.597	ug/l	96
67) Ethyl Benzene	11.941	91	754037	44.385	ug/l	99
68) m/p-Xylenes	12.047	106	555366	89.138	ug/l	99
69) o-Xylene	12.376	106	267684	43.841	ug/l	98
70) Styrene	12.388	104	467858	45.737	ug/l	97
71) Bromoform	12.559	173	112562	45.057	ug/l	99
73) Isopropylbenzene	12.676	105	703609	43.303	ug/l	99
74) N-amyl acetate	12.500	43	270394m	43.912	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	249619	44.622	ug/l	99
76) 1,2,3-Trichloropropane	12.970	75	231500m	49.095	ug/l	
77) Bromobenzene	12.959	156	163092	42.571	ug/l	99
78) n-propylbenzene	13.012	91	873002	43.620	ug/l	100
79) 2-Chlorotoluene	13.106	91	526573	43.720	ug/l	99
80) 1,3,5-Trimethylbenzene	13.153	105	605948	43.961	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.718	75	78958	44.330	ug/l	84
82) 4-Chlorotoluene	13.200	91	538734	42.544	ug/l	98
83) tert-Butylbenzene	13.418	119	504276	43.902	ug/l	98
84) 1,2,4-Trimethylbenzene	13.459	105	611677	44.330	ug/l	99
85) sec-Butylbenzene	13.594	105	748659	43.921	ug/l	100
86) p-Isopropyltoluene	13.706	119	614371	43.649	ug/l	99
87) 1,3-Dichlorobenzene	13.712	146	325630	43.161	ug/l	97
88) 1,4-Dichlorobenzene	13.788	146	324065	41.276	ug/l	99
89) n-Butylbenzene	14.035	91	602933	43.131	ug/l	99
90) Hexachloroethane	14.312	117	116377	43.399	ug/l	100
91) 1,2-Dichlorobenzene	14.082	146	305778	42.721	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	54880	41.298	ug/l	98
93) 1,2,4-Trichlorobenzene	15.364	180	181325	42.188	ug/l	97
94) Hexachlorobutadiene	15.470	225	63858	41.675	ug/l	96
95) Naphthalene	15.611	128	663314	43.571	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	173722	41.345	ug/l	99

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

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