

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092525\
 Data File : VN087948.D
 Acq On : 25 Sep 2025 12:04
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 26 07:27:56 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 : John Carlone 09/26/2025
 Supervised By : Mahesh Dadoda 09/29/2025

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	252288	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	466714	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	446080	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	240530	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	197777	46.582	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.160%		
35) Dibromofluoromethane	8.153	113	151123	44.597	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.200%		
50) Toluene-d8	10.547	98	533078	44.735	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	89.460%		
62) 4-Bromofluorobenzene	12.829	95	189525	44.495	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	88.980%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	139364	47.699	ug/l	94
3) Chloromethane	2.383	50	146395	48.936	ug/l	100
4) Vinyl Chloride	2.536	62	151034	49.486	ug/l	99
5) Bromomethane	2.965	94	100344	53.032	ug/l	98
6) Chloroethane	3.130	64	99120	49.948	ug/l	92
7) Trichlorofluoromethane	3.506	101	240668	48.431	ug/l	97
8) Diethyl Ether	3.965	74	94025	50.084	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.365	101	125130	47.643	ug/l	96
10) Methyl Iodide	4.583	142	135349	57.259	ug/l	99
11) Tert butyl alcohol	5.530	59	165748	271.032	ug/l	100
12) 1,1-Dichloroethene	4.330	96	129291	48.788	ug/l	98
13) Acrolein	4.177	56	197153	251.254	ug/l	95
14) Allyl chloride	5.018	41	213241	49.426	ug/l	96
15) Acrylonitrile	5.706	53	503222	262.332	ug/l	99
16) Acetone	4.424	43	468375	268.115	ug/l	99
17) Carbon Disulfide	4.706	76	384315	46.415	ug/l	98
18) Methyl Acetate	5.018	43	242249	55.411	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	537240	51.896	ug/l	99
20) Methylene Chloride	5.265	84	173671	49.116	ug/l	96
21) trans-1,2-Dichloroethene	5.777	96	155843	47.970	ug/l	91
22) Diisopropyl ether	6.659	45	518759	51.507	ug/l	96
23) Vinyl Acetate	6.589	43	2369316	279.393	ug/l	99
24) 1,1-Dichloroethane	6.553	63	291853	49.600	ug/l	99
25) 2-Butanone	7.471	43	704136	263.713	ug/l	99
26) 2,2-Dichloropropane	7.471	77	259162	49.573	ug/l	98
27) cis-1,2-Dichloroethene	7.471	96	190867	49.376	ug/l	97
28) Bromochloromethane	7.794	49	147175	46.036	ug/l	99
29) Tetrahydrofuran	7.824	42	457315	267.483	ug/l	100
30) Chloroform	7.947	83	317816	49.398	ug/l	94
31) Cyclohexane	8.236	56	228674	48.030	ug/l	93
32) 1,1,1-Trichloroethane	8.147	97	266706	49.059	ug/l	97
36) 1,1-Dichloropropene	8.353	75	200491	49.205	ug/l	99
37) Ethyl Acetate	7.547	43	271630	50.766	ug/l	99
38) Carbon Tetrachloride	8.341	117	223861	47.879	ug/l	96
39) Methylcyclohexane	9.583	83	214941	47.819	ug/l	92
40) Benzene	8.588	78	666089	49.372	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	138556	50.108	ug/l	95
42) 1,2-Dichloroethane	8.653	62	244954	48.653	ug/l	100
43) Isopropyl Acetate	8.677	43	430144	51.072	ug/l	100
44) Trichloroethene	9.335	130	154701	48.005	ug/l	90
45) 1,2-Dichloropropane	9.606	63	165068	48.794	ug/l	100
46) Dibromomethane	9.688	93	130372	48.839	ug/l	98
47) Bromodichloromethane	9.871	83	262338	50.106	ug/l #	95
48) Methyl methacrylate	9.665	41	199338	51.109	ug/l	100
49) 1,4-Dioxane	9.683	88	64630	1121.681	ug/l #	80
51) 4-Methyl-2-Pentanone	10.424	43	1401468	266.670	ug/l	99
52) Toluene	10.612	92	416920	49.246	ug/l	98
53) t-1,3-Dichloropropene	10.818	75	269484	50.291	ug/l	99
54) cis-1,3-Dichloropropene	10.294	75	275428	49.489	ug/l	98
55) 1,1,2-Trichloroethane	10.994	97	171693	49.877	ug/l	94
56) Ethyl methacrylate	10.859	69	261831	52.640	ug/l	98
57) 1,3-Dichloropropane	11.141	76	284575	50.261	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	770678	329.535	ug/l	98
59) 2-Hexanone	11.177	43	979848	281.970	ug/l	99
60) Dibromochloromethane	11.341	129	202551	50.045	ug/l	99
61) 1,2-Dibromoethane	11.447	107	181192	49.721	ug/l	100
64) Tetrachloroethene	11.082	164	130193	47.913	ug/l	99
65) Chlorobenzene	11.871	112	469450	49.453	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.941	131	168546	49.235	ug/l	97
67) Ethyl Benzene	11.941	91	792036	50.002	ug/l	96
68) m/p-Xylenes	12.053	106	623352	102.897	ug/l	100
69) o-Xylene	12.376	106	289389	49.721	ug/l	96
70) Styrene	12.388	104	517296	51.750	ug/l	99
71) Bromoform	12.559	173	142241	51.214	ug/l #	97
73) Isopropylbenzene	12.676	105	761718	51.096	ug/l	100
74) N-amyl acetate	12.506	43	220487m	44.889	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	266185	49.558	ug/l	100
76) 1,2,3-Trichloropropane	12.971	75	215302m	45.409	ug/l	
77) Bromobenzene	12.959	156	194458	49.027	ug/l	98
78) n-propylbenzene	13.012	91	941142	50.495	ug/l	100
79) 2-Chlorotoluene	13.106	91	560153	49.359	ug/l	99
80) 1,3,5-Trimethylbenzene	13.153	105	665058	51.577	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.718	75	86617	50.728	ug/l	96
82) 4-Chlorotoluene	13.200	91	587172	51.348	ug/l	99
83) tert-Butylbenzene	13.418	119	551238	50.507	ug/l	95
84) 1,2,4-Trimethylbenzene	13.459	105	685359	51.819	ug/l	98
85) sec-Butylbenzene	13.594	105	812735	50.791	ug/l	98
86) p-Isopropyltoluene	13.706	119	693261	51.153	ug/l	99
87) 1,3-Dichlorobenzene	13.712	146	391597	50.593	ug/l	98
88) 1,4-Dichlorobenzene	13.788	146	388440	48.833	ug/l	97
89) n-Butylbenzene	14.035	91	646997	50.515	ug/l	99
90) Hexachloroethane	14.312	117	138063	48.769	ug/l	99
91) 1,2-Dichlorobenzene	14.082	146	375646	50.350	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	61668	49.412	ug/l	99
93) 1,2,4-Trichlorobenzene	15.370	180	219388	49.803	ug/l	97
94) Hexachlorobutadiene	15.476	225	78163	48.209	ug/l	97
95) Naphthalene	15.617	128	735834	52.038	ug/l	100
96) 1,2,3-Trichlorobenzene	15.812	180	212763	49.682	ug/l	99

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

