

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092525\
 Data File : VN087959.D
 Acq On : 25 Sep 2025 16:50
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/26/2025
 Supervised By : Mahesh Dadoda 09/29/2025

Quant Time: Sep 26 07:35:37 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

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	212118	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	408072	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	381827	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	200044	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	187229	52.448	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.900%			
35) Dibromofluoromethane	8.153	113	141426	47.733	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.460%			
50) Toluene-d8	10.547	98	458446	44.001	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 88.000%			
62) 4-Bromofluorobenzene	12.829	95	164306	44.118	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 88.240%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	107807	43.886	ug/l	98
3) Chloromethane	2.383	50	132717	52.765	ug/l	99
4) Vinyl Chloride	2.536	62	129218	50.356	ug/l	98
5) Bromomethane	2.971	94	93164	58.562	ug/l	99
6) Chloroethane	3.136	64	91183	54.650	ug/l	91
7) Trichlorofluoromethane	3.506	101	187886	44.970	ug/l	93
8) Diethyl Ether	3.959	74	93457	59.209	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	106248	48.114	ug/l	99
10) Methyl Iodide	4.577	142	124422	62.604	ug/l	100
11) Tert butyl alcohol	5.530	59	162566	316.170	ug/l #	85
12) 1,1-Dichloroethene	4.336	96	106147	47.640	ug/l	89
13) Acrolein	4.177	56	178311	270.276	ug/l	96
14) Allyl chloride	5.018	41	184435	50.845	ug/l	96
15) Acrylonitrile	5.706	53	492041	305.079	ug/l	100
16) Acetone	4.424	43	391356	266.452	ug/l	99
17) Carbon Disulfide	4.700	76	324214	46.572	ug/l	97
18) Methyl Acetate	5.018	43	242379	65.940	ug/l	100
19) Methyl tert-butyl Ether	5.788	73	525055	60.324	ug/l	99
20) Methylene Chloride	5.265	84	164566	55.354	ug/l	95
21) trans-1,2-Dichloroethene	5.777	96	134628	49.288	ug/l	91
22) Diisopropyl ether	6.665	45	495645	58.532	ug/l	94
23) Vinyl Acetate	6.588	43	2324172	325.972	ug/l	99
24) 1,1-Dichloroethane	6.553	63	264785	53.521	ug/l	99
25) 2-Butanone	7.471	43	673893	300.182	ug/l	97
26) 2,2-Dichloropropane	7.471	77	185973	42.310	ug/l	98
27) cis-1,2-Dichloroethene	7.471	96	176417	54.281	ug/l	98
28) Bromochloromethane	7.794	49	137962	51.326	ug/l	99
29) Tetrahydrofuran	7.824	42	431080	299.887	ug/l	98
30) Chloroform	7.947	83	292276	54.031	ug/l	98
31) Cyclohexane	8.235	56	170089	42.490	ug/l	98
32) 1,1,1-Trichloroethane	8.153	97	228218	49.930	ug/l	97
36) 1,1-Dichloropropene	8.353	75	159244	44.698	ug/l	97
37) Ethyl Acetate	7.547	43	263526	56.329	ug/l	99
38) Carbon Tetrachloride	8.341	117	185698	45.424	ug/l	98
39) Methylcyclohexane	9.582	83	176709	44.963	ug/l	98
40) Benzene	8.588	78	595744	50.504	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	137773	56.985	ug/l	97
42) 1,2-Dichloroethane	8.653	62	236898	53.815	ug/l	99
43) Isopropyl Acetate	8.671	43	431497	58.596	ug/l	99
44) Trichloroethene	9.335	130	131189	46.559	ug/l	90
45) 1,2-Dichloropropane	9.600	63	155815	52.678	ug/l	99
46) Dibromomethane	9.688	93	127855	54.779	ug/l	97
47) Bromodichloromethane	9.865	83	243068	53.097	ug/l	99
48) Methyl methacrylate	9.665	41	194943	57.165	ug/l	98
49) 1,4-Dioxane	9.682	88	62142	1233.486	ug/l #	84
51) 4-Methyl-2-Pentanone	10.423	43	1364289	296.901	ug/l	100
52) Toluene	10.612	92	360004	48.634	ug/l	99
53) t-1,3-Dichloropropene	10.818	75	247769	52.883	ug/l	99
54) cis-1,3-Dichloropropene	10.294	75	248595	51.087	ug/l	100
55) 1,1,2-Trichloroethane	10.994	97	164997	54.820	ug/l	93
56) Ethyl methacrylate	10.853	69	256594	59.000	ug/l	98
57) 1,3-Dichloropropane	11.141	76	270726	54.687	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.141	63	769535	376.332	ug/l	98
59) 2-Hexanone	11.176	43	926289	304.863	ug/l	97
60) Dibromochloromethane	11.335	129	191357	54.074	ug/l	100
61) 1,2-Dibromoethane	11.447	107	171963	53.969	ug/l	99
64) Tetrachloroethene	11.082	164	107777	46.338	ug/l	98
65) Chlorobenzene	11.870	112	403200	49.621	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.941	131	148987	50.845	ug/l	98
67) Ethyl Benzene	11.941	91	638294	47.077	ug/l	99
68) m/p-Xylenes	12.047	106	508612	98.084	ug/l	97
69) o-Xylene	12.376	106	245733	49.325	ug/l	100
70) Styrene	12.394	104	433160	50.625	ug/l	99
71) Bromoform	12.559	173	132994	55.943	ug/l #	96
73) Isopropylbenzene	12.676	105	605352	48.826	ug/l	100
74) N-amyl acetate	12.500	43	214023m	52.391	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.917	83	259046	57.990	ug/l	99
76) 1,2,3-Trichloropropane	12.970	75	201941m	51.211	ug/l	
77) Bromobenzene	12.959	156	169845	51.487	ug/l	99
78) n-propylbenzene	13.012	91	754701	48.687	ug/l	99
79) 2-Chlorotoluene	13.100	91	455635	48.275	ug/l	100
80) 1,3,5-Trimethylbenzene	13.153	105	525581	49.009	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.717	75	92675	65.261	ug/l #	84
82) 4-Chlorotoluene	13.200	91	475393	49.987	ug/l	100
83) tert-Butylbenzene	13.417	119	442957	48.799	ug/l	98
84) 1,2,4-Trimethylbenzene	13.459	105	549222	49.930	ug/l	99
85) sec-Butylbenzene	13.594	105	652729	49.047	ug/l	98
86) p-Isopropyltoluene	13.706	119	551957	48.969	ug/l	99
87) 1,3-Dichlorobenzene	13.711	146	319255	49.595	ug/l	98
88) 1,4-Dichlorobenzene	13.788	146	319505	48.296	ug/l	98
89) n-Butylbenzene	14.035	91	506045	47.507	ug/l	99
90) Hexachloroethane	14.311	117	109519	46.515	ug/l	98
91) 1,2-Dichlorobenzene	14.082	146	314884	50.747	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	56150	54.096	ug/l	94
93) 1,2,4-Trichlorobenzene	15.370	180	183229	50.013	ug/l	99
94) Hexachlorobutadiene	15.476	225	68154	50.543	ug/l	97
95) Naphthalene	15.617	128	687561	58.465	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	183123	51.415	ug/l	99

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

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