

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081525\
 Data File : VN087593.D
 Acq On : 15 Aug 2025 19:17
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 18 05:50:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/18/2025
 Supervised By : Mahesh Dadoda 08/19/2025

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	316356	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	633002	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	582357	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	297595	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	312372	58.193	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 116.380%			
35) Dibromofluoromethane	8.153	113	214997	49.238	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.480%			
50) Toluene-d8	10.547	98	757769	48.651	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.300%			
62) 4-Bromofluorobenzene	12.829	95	306187	53.209	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.420%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.142	85	185393	55.175	ug/l	98
3) Chloromethane	2.383	50	187990	44.490	ug/l	98
4) Vinyl Chloride	2.542	62	215094	51.223	ug/l	92
5) Bromomethane	2.965	94	133154	61.233	ug/l	98
6) Chloroethane	3.130	64	142160	51.912	ug/l	98
7) Trichlorofluoromethane	3.506	101	333325	53.682	ug/l	95
8) Diethyl Ether	3.959	74	145573	60.438	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.371	101	173190	54.335	ug/l	98
10) Methyl Iodide	4.583	142	140728	43.714	ug/l	98
11) Tert butyl alcohol	5.518	59	274177	269.000	ug/l	99
12) 1,1-Dichloroethene	4.336	96	181150	50.152	ug/l	95
13) Acrolein	4.177	56	165201	201.965	ug/l	99
14) Allyl chloride	5.012	41	311272	47.618	ug/l	93
15) Acrylonitrile	5.712	53	684511	247.488	ug/l	98
16) Acetone	4.424	43	644769	256.181	ug/l	99
17) Carbon Disulfide	4.706	76	445641	41.615	ug/l #	94
18) Methyl Acetate	5.018	43	497401	78.662	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	774329	58.161	ug/l	98
20) Methylene Chloride	5.265	84	217473	51.129	ug/l	95
21) trans-1,2-Dichloroethene	5.777	96	197422	48.474	ug/l	95
22) Diisopropyl ether	6.659	45	762521	55.611	ug/l	93
23) Vinyl Acetate	6.594	43	2638639	220.031	ug/l	98
24) 1,1-Dichloroethane	6.559	63	392618	49.632	ug/l	99
25) 2-Butanone	7.477	43	996101	256.148	ug/l	100
26) 2,2-Dichloropropane	7.471	77	254838	41.435	ug/l	99
27) cis-1,2-Dichloroethene	7.477	96	250417	53.406	ug/l	98
28) Bromochloromethane	7.800	49	186367	49.226	ug/l	96
29) Tetrahydrofuran	7.830	42	644523	255.130	ug/l	97
30) Chloroform	7.953	83	428288	54.091	ug/l	98
31) Cyclohexane	8.241	56	308122	46.691	ug/l	97
32) 1,1,1-Trichloroethane	8.153	97	360123	52.512	ug/l	99
36) 1,1-Dichloropropene	8.353	75	274451	47.575	ug/l	99
37) Ethyl Acetate	7.547	43	366011	43.931	ug/l	98
38) Carbon Tetrachloride	8.347	117	291423	45.858	ug/l	96
39) Methylcyclohexane	9.582	83	296511	47.475	ug/l	96
40) Benzene	8.588	78	881228	47.264	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	218617	50.183	ug/l	98
42) 1,2-Dichloroethane	8.653	62	344487	48.721	ug/l	98
43) Isopropyl Acetate	8.677	43	635441	49.132	ug/l	99
44) Trichloroethene	9.335	130	198572	45.073	ug/l	95
45) 1,2-Dichloropropane	9.606	63	218341	46.088	ug/l	98
46) Dibromomethane	9.694	93	167579	47.245	ug/l	97
47) Bromodichloromethane	9.871	83	341805	47.840	ug/l	96
48) Methyl methacrylate	9.665	41	304901	52.366	ug/l #	93
49) 1,4-Dioxane	9.682	88	82193	921.675	ug/l #	95
51) 4-Methyl-2-Pentanone	10.429	43	1978636	241.884	ug/l	99
52) Toluene	10.612	92	542102	47.835	ug/l	96
53) t-1,3-Dichloropropene	10.818	75	353025	48.823	ug/l	99
54) cis-1,3-Dichloropropene	10.294	75	359369	48.115	ug/l #	91
55) 1,1,2-Trichloroethane	10.994	97	218430	47.608	ug/l	97
56) Ethyl methacrylate	10.859	69	379344	49.215	ug/l #	91
57) 1,3-Dichloropropane	11.141	76	389041	49.043	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.141	63	1012104	268.913	ug/l	99
59) 2-Hexanone	11.176	43	1371155	252.646	ug/l	100
60) Dibromochloromethane	11.341	129	248701	47.530	ug/l	97
61) 1,2-Dibromoethane	11.453	107	236510	49.026	ug/l	95
64) Tetrachloroethene	11.082	164	158751	42.355	ug/l	93
65) Chlorobenzene	11.870	112	604380	46.226	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.941	131	208283	46.850	ug/l	99
67) Ethyl Benzene	11.941	91	1073482	49.875	ug/l	99
68) m/p-Xylenes	12.053	106	794573	98.585	ug/l	94
69) o-Xylene	12.376	106	390322	50.698	ug/l	94
70) Styrene	12.394	104	683157	52.748	ug/l	99
71) Bromoform	12.559	173	153501	42.738	ug/l #	96
73) Isopropylbenzene	12.676	105	1011241	53.990	ug/l	98
74) N-amyl acetate	12.500	43	353978m	45.487	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.917	83	347537	49.312	ug/l	98
76) 1,2,3-Trichloropropane	12.976	75	286800m	42.977	ug/l	
77) Bromobenzene	12.959	156	239435	49.292	ug/l	97
78) n-propylbenzene	13.017	91	1213888	51.511	ug/l	98
79) 2-Chlorotoluene	13.106	91	743185	51.315	ug/l	96
80) 1,3,5-Trimethylbenzene	13.153	105	853451	53.480	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.717	75	97998	40.181	ug/l	96
82) 4-Chlorotoluene	13.200	91	767539	50.903	ug/l	97
83) tert-Butylbenzene	13.417	119	723749	54.301	ug/l	97
84) 1,2,4-Trimethylbenzene	13.459	105	871046	53.448	ug/l	97
85) sec-Butylbenzene	13.594	105	1039752	51.790	ug/l	99
86) p-Isopropyltoluene	13.706	119	874684	54.365	ug/l	97
87) 1,3-Dichlorobenzene	13.712	146	451207	47.329	ug/l	100
88) 1,4-Dichlorobenzene	13.788	146	463695	45.541	ug/l	98
89) n-Butylbenzene	14.035	91	836409	54.443	ug/l	99
90) Hexachloroethane	14.312	117	153370	44.991	ug/l	95
91) 1,2-Dichlorobenzene	14.082	146	435871	48.261	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.694	75	83038	44.877	ug/l	98
93) 1,2,4-Trichlorobenzene	15.364	180	263479	49.664	ug/l	97
94) Hexachlorobutadiene	15.476	225	85980	43.616	ug/l	98
95) Naphthalene	15.617	128	1030862	54.849	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	263139	49.447	ug/l	98

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

