

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091025\
 Data File : VN087790.D
 Acq On : 10 Sep 2025 18:35
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 09/11/2025
 Supervised By : Mahesh Dadoda 09/11/2025

Quant Time: Sep 11 02:09:40 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

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	234709	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	461225	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	437995	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	232003	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	238288	49.551	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.100%		
35) Dibromofluoromethane	8.153	113	174280	52.336	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	104.680%		
50) Toluene-d8	10.547	98	577060	46.299	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.600%		
62) 4-Bromofluorobenzene	12.829	95	217074	48.973	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	97.940%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	139333	41.798	ug/l	95
3) Chloromethane	2.383	50	160204	46.764	ug/l	99
4) Vinyl Chloride	2.542	62	173313	43.633	ug/l	94
5) Bromomethane	2.971	94	96079	46.879	ug/l	99
6) Chloroethane	3.136	64	123321	44.174	ug/l	97
7) Trichlorofluoromethane	3.512	101	256391	44.057	ug/l	100
8) Diethyl Ether	3.959	74	118235	46.651	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	136042	41.313	ug/l	96
10) Methyl Iodide	4.583	142	112111	46.162	ug/l	98
11) Tert butyl alcohol	5.524	59	213815	256.113	ug/l	99
12) 1,1-Dichloroethene	4.336	96	143027	42.267	ug/l	93
13) Acrolein	4.171	56	255597	249.039	ug/l	99
14) Allyl chloride	5.012	41	244504	39.872	ug/l	98
15) Acrylonitrile	5.706	53	600709	255.136	ug/l	99
16) Acetone	4.418	43	556348	212.523	ug/l	95
17) Carbon Disulfide	4.706	76	358786	38.513	ug/l	99
18) Methyl Acetate	5.018	43	330516	60.300	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	636285	50.123	ug/l	100
20) Methylene Chloride	5.259	84	188014	49.645	ug/l	96
21) trans-1,2-Dichloroethene	5.771	96	156777	42.748	ug/l	90
22) Diisopropyl ether	6.659	45	648680	49.019	ug/l	99
23) Vinyl Acetate	6.588	43	2915907	242.197	ug/l	99
24) 1,1-Dichloroethane	6.553	63	335433	46.231	ug/l	99
25) 2-Butanone	7.471	43	847605	246.105	ug/l	97
26) 2,2-Dichloropropane	7.471	77	219616	35.266	ug/l	98
27) cis-1,2-Dichloroethene	7.471	96	208976	47.664	ug/l	96
28) Bromochloromethane	7.800	49	175711	50.093	ug/l	96
29) Tetrahydrofuran	7.824	42	557876	251.697	ug/l	99
30) Chloroform	7.947	83	359632	48.561	ug/l	98
31) Cyclohexane	8.235	56	229961	38.018	ug/l	94
32) 1,1,1-Trichloroethane	8.153	97	281586	44.866	ug/l	96
36) 1,1-Dichloropropene	8.353	75	207975	40.710	ug/l	98
37) Ethyl Acetate	7.547	43	325131	46.574	ug/l	95
38) Carbon Tetrachloride	8.347	117	228375	45.277	ug/l	94
39) Methylcyclohexane	9.582	83	220112	39.135	ug/l	98
40) Benzene	8.588	78	716938	45.755	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	187620	51.884	ug/l	98
42) 1,2-Dichloroethane	8.653	62	281851	46.809	ug/l	99
43) Isopropyl Acetate	8.671	43	540105	49.555	ug/l	98
44) Trichloroethene	9.329	130	159530	44.594	ug/l	96
45) 1,2-Dichloropropane	9.600	63	193179	46.772	ug/l	97
46) Dibromomethane	9.688	93	146860	49.967	ug/l	97
47) Bromodichloromethane	9.871	83	295230	49.012	ug/l	97
48) Methyl methacrylate	9.665	41	254329	49.333	ug/l	99
49) 1,4-Dioxane	9.682	88	71181	1065.267	ug/l #	97
51) 4-Methyl-2-Pentanone	10.424	43	1734451	263.761	ug/l	99
52) Toluene	10.606	92	441283	45.428	ug/l	99
53) t-1,3-Dichloropropene	10.818	75	294821	47.284	ug/l	99
54) cis-1,3-Dichloropropene	10.288	75	299501	46.262	ug/l	99
55) 1,1,2-Trichloroethane	10.994	97	194341	51.717	ug/l	96
56) Ethyl methacrylate	10.853	69	322373	53.680	ug/l	97
57) 1,3-Dichloropropane	11.141	76	332288	49.965	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	822266	252.970	ug/l	99
59) 2-Hexanone	11.176	43	1169667	281.446	ug/l	96
60) Dibromochloromethane	11.341	129	225767	51.851	ug/l	99
61) 1,2-Dibromoethane	11.447	107	203359	51.322	ug/l	99
64) Tetrachloroethene	11.082	164	126211	41.534	ug/l	93
65) Chlorobenzene	11.870	112	495787	45.499	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.935	131	185574	51.299	ug/l	98
67) Ethyl Benzene	11.941	91	840071	44.527	ug/l	98
68) m/p-Xylenes	12.047	106	626488	90.543	ug/l	100
69) o-Xylene	12.376	106	315932	46.592	ug/l	97
70) Styrene	12.388	104	553237	48.700	ug/l	98
71) Bromoform	12.559	173	152778	55.067	ug/l #	98
73) Isopropylbenzene	12.676	105	790837	42.184	ug/l	100
74) N-amyl acetate	12.494	43	346121m	48.718	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.917	83	313538	48.577	ug/l	99
76) 1,2,3-Trichloropropane	12.970	75	285769m	52.525	ug/l	
77) Bromobenzene	12.959	156	202907	45.903	ug/l	97
78) n-propylbenzene	13.012	91	985807	42.690	ug/l	100
79) 2-Chlorotoluene	13.106	91	598202	43.047	ug/l	100
80) 1,3,5-Trimethylbenzene	13.147	105	678318	42.651	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.717	75	93542	45.517	ug/l	84
82) 4-Chlorotoluene	13.200	91	606785	41.530	ug/l	96
83) tert-Butylbenzene	13.412	119	592612	44.716	ug/l	96
84) 1,2,4-Trimethylbenzene	13.459	105	703140	44.165	ug/l	99
85) sec-Butylbenzene	13.594	105	849057	43.171	ug/l	100
86) p-Isopropyltoluene	13.706	119	705994	43.472	ug/l	99
87) 1,3-Dichlorobenzene	13.712	146	388865	44.672	ug/l	98
88) 1,4-Dichlorobenzene	13.788	146	397501	43.880	ug/l	98
89) n-Butylbenzene	14.035	91	676634	41.952	ug/l	99
90) Hexachloroethane	14.312	117	140485	45.406	ug/l	93
91) 1,2-Dichlorobenzene	14.082	146	372690	45.129	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.700	75	70573	46.028	ug/l	91
93) 1,2,4-Trichlorobenzene	15.370	180	223457	45.060	ug/l	99
94) Hexachlorobutadiene	15.476	225	79749	45.108	ug/l	98
95) Naphthalene	15.611	128	844074	48.054	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	219237	45.222	ug/l	96

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

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