

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082925\
 Data File : VN087701.D
 Acq On : 29 Aug 2025 15:51
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 29 22:56:53 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 09/02/2025
 Supervised By : Semsettin Yesilyurt 09/03/2025

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	194605	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	390248	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	361165	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	176567	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	202839	50.872	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	101.740%
35) Dibromofluoromethane	8.147	113	139705	49.583	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.160%
50) Toluene-d8	10.547	98	483463	45.845	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	91.680%
62) 4-Bromofluorobenzene	12.829	95	178252	47.529	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	95.060%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	134279	48.583	ug/l	91
3) Chloromethane	2.383	50	151243	53.247	ug/l	98
4) Vinyl Chloride	2.536	62	158557	48.144	ug/l	98
5) Bromomethane	2.965	94	95753	56.348	ug/l	95
6) Chloroethane	3.130	64	117505	50.764	ug/l	97
7) Trichlorofluoromethane	3.506	101	234882	48.679	ug/l	99
8) Diethyl Ether	3.965	74	119921	57.067	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.359	101	129797	47.540	ug/l	99
10) Methyl Iodide	4.577	142	99851	49.081	ug/l	95
11) Tert butyl alcohol	5.518	59	194386	280.824	ug/l	99
12) 1,1-Dichloroethene	4.336	96	133573	47.608	ug/l	97
13) Acrolein	4.177	56	226073	265.666	ug/l	99
14) Allyl chloride	5.012	41	231449	45.522	ug/l	96
15) Acrylonitrile	5.706	53	525461	269.168	ug/l	100
16) Acetone	4.424	43	512864	236.286	ug/l	96
17) Carbon Disulfide	4.706	76	326626	42.287	ug/l	97
18) Methyl Acetate	5.018	43	268534	59.088	ug/l	99
19) Methyl tert-butyl Ether	5.788	73	580766	55.178	ug/l	99
20) Methylene Chloride	5.265	84	165521	52.792	ug/l	97
21) trans-1,2-Dichloroethene	5.771	96	140675	46.263	ug/l	95
22) Diisopropyl ether	6.659	45	581956	53.040	ug/l	97
23) Vinyl Acetate	6.588	43	2697755	270.254	ug/l	98
24) 1,1-Dichloroethane	6.547	63	295228	49.075	ug/l	98
25) 2-Butanone	7.471	43	757624	265.312	ug/l	99
26) 2,2-Dichloropropane	7.477	77	204211	39.551	ug/l	99
27) cis-1,2-Dichloroethene	7.471	96	180720	49.714	ug/l	99
28) Bromochloromethane	7.794	49	145821	50.139	ug/l	99
29) Tetrahydrofuran	7.824	42	497125	270.509	ug/l	100
30) Chloroform	7.947	83	315347	51.356	ug/l	98
31) Cyclohexane	8.241	56	214542	42.779	ug/l	95
32) 1,1,1-Trichloroethane	8.147	97	240339	46.186	ug/l	99
36) 1,1-Dichloropropene	8.353	75	180610	41.784	ug/l	97
37) Ethyl Acetate	7.547	43	307836	52.117	ug/l	99
38) Carbon Tetrachloride	8.341	117	194921	45.673	ug/l	96
39) Methylcyclohexane	9.582	83	202528	42.558	ug/l	98
40) Benzene	8.588	78	629140	47.454	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.759	41	159784	52.223	ug/l	97
42) 1,2-Dichloroethane	8.653	62	259075	50.852	ug/l	99
43) Isopropyl Acetate	8.671	43	496648	53.856	ug/l	100
44) Trichloroethene	9.329	130	133535	44.117	ug/l	98
45) 1,2-Dichloropropane	9.600	63	168917	48.336	ug/l	99
46) Dibromomethane	9.688	93	129165	51.940	ug/l	98
47) Bromodichloromethane	9.865	83	259548	50.925	ug/l	94
48) Methyl methacrylate	9.665	41	228958	52.490	ug/l	99
49) 1,4-Dioxane	9.682	88	65172	1152.731	ug/l #	98
51) 4-Methyl-2-Pentanone	10.423	43	1555414	279.555	ug/l	100
52) Toluene	10.612	92	378430	46.043	ug/l	100
53) t-1,3-Dichloropropene	10.817	75	267259	50.660	ug/l	97
54) cis-1,3-Dichloropropene	10.294	75	267601	48.852	ug/l	98
55) 1,1,2-Trichloroethane	10.994	97	170105	53.500	ug/l	97
56) Ethyl methacrylate	10.853	69	289551	56.984	ug/l	98
57) 1,3-Dichloropropane	11.141	76	291003	51.715	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	771445	280.500	ug/l	99
59) 2-Hexanone	11.176	43	1055183	300.077	ug/l	99
60) Dibromochloromethane	11.335	129	185190	50.268	ug/l	100
61) 1,2-Dibromoethane	11.447	107	176505	52.647	ug/l	100
64) Tetrachloroethene	11.082	164	106870	42.650	ug/l	95
65) Chlorobenzene	11.870	112	417277	46.440	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.941	131	152480	51.117	ug/l	98
67) Ethyl Benzene	11.941	91	724680	46.582	ug/l	99
68) m/p-Xylenes	12.047	106	528672	92.660	ug/l	99
69) o-Xylene	12.376	106	273443	48.904	ug/l	96
70) Styrene	12.388	104	464551	49.592	ug/l	99
71) Bromoform	12.559	173	124874	54.584	ug/l #	97
73) Isopropylbenzene	12.670	105	676992	47.449	ug/l	100
74) N-amyl acetate	12.500	43	271745m	50.258	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.917	83	268312	54.622	ug/l	99
76) 1,2,3-Trichloropropane	12.970	75	243110m	58.714	ug/l	
77) Bromobenzene	12.959	156	165396	49.165	ug/l	98
78) n-propylbenzene	13.011	91	842292	47.927	ug/l	100
79) 2-Chlorotoluene	13.100	91	508072	48.040	ug/l	98
80) 1,3,5-Trimethylbenzene	13.153	105	576539	47.633	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.717	75	82936	53.027	ug/l	91
82) 4-Chlorotoluene	13.200	91	522226	46.965	ug/l	98
83) tert-Butylbenzene	13.417	119	486328	48.217	ug/l	99
84) 1,2,4-Trimethylbenzene	13.458	105	592946	48.937	ug/l	99
85) sec-Butylbenzene	13.594	105	705141	47.111	ug/l	99
86) p-Isopropyltoluene	13.706	119	587966	47.572	ug/l	98
87) 1,3-Dichlorobenzene	13.711	146	312304	47.141	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	321192	46.588	ug/l	99
89) n-Butylbenzene	14.035	91	571050	46.521	ug/l	100
90) Hexachloroethane	14.305	117	111190	47.220	ug/l	98
91) 1,2-Dichlorobenzene	14.082	146	305998	48.687	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	61777	52.941	ug/l	99
93) 1,2,4-Trichlorobenzene	15.364	180	176132	46.668	ug/l	98
94) Hexachlorobutadiene	15.476	225	56089	41.686	ug/l	95
95) Naphthalene	15.611	128	722710	54.063	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	177983	48.239	ug/l	100

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

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