

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092425\
 Data File : VN087933.D
 Acq On : 24 Sep 2025 08:27
 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 25 03:04:16 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

09/25/2025
 Supervised By :Mahesh
 Dadoda

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	248830	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	449654	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	427717	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	229002	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.559	65	198172	47.323	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	94.640%
35) Dibromofluoromethane	8.147	113	153156	46.912	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.820%
50) Toluene-d8	10.547	98	534595	46.564	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	93.120%
62) 4-Bromofluorobenzene	12.829	95	193711	47.203	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	94.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.142	85	152106	52.784	ug/l	97
3) Chloromethane	2.383	50	159189	53.952	ug/l	99
4) Vinyl Chloride	2.536	62	156528	51.999	ug/l	100
5) Bromomethane	2.965	94	102943	55.162	ug/l	90
6) Chloroethane	3.130	64	104720	53.503	ug/l	89
7) Trichlorofluoromethane	3.506	101	261246	53.303	ug/l	93
8) Diethyl Ether	3.959	74	102573	55.397	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.365	101	138828	53.593	ug/l	97
10) Methyl Iodide	4.583	142	129576	55.579	ug/l	94
11) Tert butyl alcohol	5.524	59	183763	304.666	ug/l	99
12) 1,1-Dichloroethene	4.336	96	142121	54.374	ug/l	91
13) Acrolein	4.171	56	213073	275.317	ug/l	96
14) Allyl chloride	5.012	41	241727	56.807	ug/l	98
15) Acrylonitrile	5.706	53	543349	287.187	ug/l	99
16) Acetone	4.418	43	604093	350.611	ug/l	97
17) Carbon Disulfide	4.706	76	433401	53.071	ug/l	100
18) Methyl Acetate	5.018	43	254132	58.937	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	575243	56.339	ug/l	97
20) Methylene Chloride	5.265	84	184015	52.764	ug/l	97
21) trans-1,2-Dichloroethene	5.777	96	170912	53.340	ug/l	90
22) Diisopropyl ether	6.659	45	569397	57.320	ug/l	94
23) Vinyl Acetate	6.589	43	2625589	313.916	ug/l	99
24) 1,1-Dichloroethane	6.547	63	319963	55.133	ug/l	99
25) 2-Butanone	7.471	43	822314	312.253	ug/l	99
26) 2,2-Dichloropropane	7.477	77	290553	56.350	ug/l	98
27) cis-1,2-Dichloroethene	7.471	96	209787	55.025	ug/l	99
28) Bromochloromethane	7.800	49	142169	45.088	ug/l	100
29) Tetrahydrofuran	7.824	42	497430	294.990	ug/l	99
30) Chloroform	7.947	83	349670	55.104	ug/l	96
31) Cyclohexane	8.236	56	247642	52.737	ug/l	97
32) 1,1,1-Trichloroethane	8.153	97	298325	55.638	ug/l	97
36) 1,1-Dichloropropene	8.353	75	223041	56.816	ug/l	98
37) Ethyl Acetate	7.547	43	289500	56.159	ug/l	100
38) Carbon Tetrachloride	8.341	117	248492	55.163	ug/l	99
39) Methylcyclohexane	9.582	83	246611	56.946	ug/l	98
40) Benzene	8.588	78	736971	56.698	ug/l	99

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09/26/2025

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.759	41	150285	56.412	ug/l	95
42) 1,2-Dichloroethane	8.653	62	263356	54.293	ug/l	99
43) Isopropyl Acetate	8.671	43	473782	58.388	ug/l	100
44) Trichloroethene	9.330	130	172123	55.438	ug/l	95
45) 1,2-Dichloropropane	9.600	63	177676	54.513	ug/l	99
46) Dibromomethane	9.688	93	142752	55.506	ug/l	98
47) Bromodichloromethane	9.865	83	286880	56.872	ug/l	100
48) Methyl methacrylate	9.665	41	222006	59.080	ug/l	95
49) 1,4-Dioxane	9.682	88	71185	1282.318	ug/l #	82
51) 4-Methyl-2-Pentanone	10.424	43	1500300	296.306	ug/l	99
52) Toluene	10.612	92	459785	56.369	ug/l	98
53) t-1,3-Dichloropropene	10.818	75	299223	57.959	ug/l	99
54) cis-1,3-Dichloropropene	10.294	75	310488	57.906	ug/l	99
55) 1,1,2-Trichloroethane	10.994	97	184053	55.496	ug/l	94
56) Ethyl methacrylate	10.853	69	290699	60.661	ug/l	97
57) 1,3-Dichloropropane	11.141	76	307756	56.418	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.141	63	734787	326.109	ug/l	99
59) 2-Hexanone	11.176	43	1087701	324.882	ug/l	99
60) Dibromochloromethane	11.335	129	221692	56.853	ug/l	99
61) 1,2-Dibromoethane	11.447	107	194728	55.462	ug/l	98
64) Tetrachloroethene	11.082	164	141444	54.289	ug/l	96
65) Chlorobenzene	11.871	112	511312	56.175	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.941	131	187847	57.229	ug/l	97
67) Ethyl Benzene	11.941	91	874275	57.564	ug/l	99
68) m/p-Xylenes	12.047	106	683023	117.587	ug/l	100
69) o-Xylene	12.376	106	322891	57.859	ug/l	98
70) Styrene	12.388	104	563415	58.783	ug/l	99
71) Bromoform	12.559	173	156007	58.583	ug/l #	98
73) Isopropylbenzene	12.676	105	831337	58.574	ug/l	100
74) N-amyl acetate	12.500	43	220526m	47.157	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	281676	55.082	ug/l	99
76) 1,2,3-Trichloropropane	12.970	75	231978m	51.389	ug/l	
77) Bromobenzene	12.959	156	216293	57.277	ug/l	99
78) n-propylbenzene	13.012	91	1027023	57.877	ug/l	99
79) 2-Chlorotoluene	13.100	91	617760	57.175	ug/l	99
80) 1,3,5-Trimethylbenzene	13.153	105	717763	58.467	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.718	75	112243	69.046	ug/l	85
82) 4-Chlorotoluene	13.200	91	639502	58.739	ug/l	99
83) tert-Butylbenzene	13.418	119	620694	59.733	ug/l	99
84) 1,2,4-Trimethylbenzene	13.459	105	749831	59.548	ug/l	99
85) sec-Butylbenzene	13.594	105	900743	59.124	ug/l	99
86) p-Isopropyltoluene	13.706	119	757709	58.723	ug/l	100
87) 1,3-Dichlorobenzene	13.712	146	423962	57.532	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	431567	56.986	ug/l	96
89) n-Butylbenzene	14.035	91	713339	58.499	ug/l	99
90) Hexachloroethane	14.306	117	147691	54.796	ug/l	97
91) 1,2-Dichlorobenzene	14.082	146	396826	55.866	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.694	75	63654	53.571	ug/l	95
93) 1,2,4-Trichlorobenzene	15.364	180	239951	57.214	ug/l	98
94) Hexachlorobutadiene	15.476	225	85034	55.087	ug/l	98
95) Naphthalene	15.611	128	798683	59.326	ug/l	100
96) 1,2,3-Trichlorobenzene	15.811	180	238078	58.392	ug/l	98

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

Manual Integrations

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