

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
 Data File : VN087623.D
 Acq On : 21 Aug 2025 14:23
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/22/2025
 Supervised By : Mahesh Dadoda 08/25/2025

Quant Time: Aug 22 02:33:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 02:09:28 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	247255	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	481199	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	447994	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	226864	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	511669	101.001	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	202.000%#	
35) Dibromofluoromethane	8.147	113	358663	103.235	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	206.460%#	
50) Toluene-d8	10.547	98	1354664	104.177	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	208.360%#	
62) 4-Bromofluorobenzene	12.829	95	494494	106.930	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	213.860%#	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.142	85	384461	109.480	ug/l	97
3) Chloromethane	2.383	50	371688	102.992	ug/l	99
4) Vinyl Chloride	2.536	62	418975	100.128	ug/l	97
5) Bromomethane	2.959	94	230328	106.679	ug/l	97
6) Chloroethane	3.124	64	276071	93.871	ug/l	99
7) Trichlorofluoromethane	3.506	101	606894	98.995	ug/l	100
8) Diethyl Ether	3.959	74	252092	94.419	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	323480	93.250	ug/l	99
10) Methyl Iodide	4.577	142	277692	99.335	ug/l	96
11) Tert butyl alcohol	5.530	59	430345	489.322	ug/l	99
12) 1,1-Dichloroethene	4.330	96	329881	92.539	ug/l	95
13) Acrolein	4.171	56	484654	448.258	ug/l	100
14) Allyl chloride	5.012	41	597335	92.467	ug/l	99
15) Acrylonitrile	5.706	53	1204622	485.671	ug/l	99
16) Acetone	4.424	43	1195609	433.545	ug/l	99
17) Carbon Disulfide	4.700	76	957812	97.598	ug/l	98
18) Methyl Acetate	5.012	43	552409	95.669	ug/l	98
19) Methyl tert-butyl Ether	5.783	73	1306892	97.726	ug/l	98
20) Methylene Chloride	5.259	84	385191	97.752	ug/l	97
21) trans-1,2-Dichloroethene	5.777	96	364392	94.317	ug/l	95
22) Diisopropyl ether	6.659	45	1368059	98.135	ug/l	98
23) Vinyl Acetate	6.588	43	6369332	502.195	ug/l	98
24) 1,1-Dichloroethane	6.553	63	719127	94.084	ug/l	98
25) 2-Butanone	7.471	43	1730205	476.881	ug/l	98
26) 2,2-Dichloropropane	7.471	77	631604	96.278	ug/l	98
27) cis-1,2-Dichloroethene	7.471	96	449130	97.241	ug/l	100
28) Bromochloromethane	7.794	49	369878	100.097	ug/l	99
29) Tetrahydrofuran	7.824	42	1140137	488.295	ug/l	100
30) Chloroform	7.947	83	751186	96.286	ug/l	97
31) Cyclohexane	8.235	56	593829	93.193	ug/l	98
32) 1,1,1-Trichloroethane	8.153	97	625473	94.602	ug/l	98
36) 1,1-Dichloropropene	8.353	75	502476	94.275	ug/l	99
37) Ethyl Acetate	7.547	43	703230	96.555	ug/l	99
38) Carbon Tetrachloride	8.341	117	528406	100.412	ug/l	93
39) Methylcyclohexane	9.582	83	574374	97.883	ug/l	98
40) Benzene	8.588	78	1577387	96.490	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	369145	97.845	ug/l	99
42) 1,2-Dichloroethane	8.653	62	600726	95.625	ug/l	99
43) Isopropyl Acetate	8.671	43	1142494	100.474	ug/l	99
44) Trichloroethene	9.329	130	353426	94.694	ug/l	99
45) 1,2-Dichloropropane	9.600	63	399209	92.644	ug/l	99
46) Dibromomethane	9.688	93	298076	97.207	ug/l	99
47) Bromodichloromethane	9.871	83	613683	97.651	ug/l	95
48) Methyl methacrylate	9.665	41	543991	101.141	ug/l	99
49) 1,4-Dioxane	9.682	88	148991	2137.188	ug/l #	99
51) 4-Methyl-2-Pentanone	10.423	43	3455510	503.673	ug/l	99
52) Toluene	10.612	92	998331	98.507	ug/l	100
53) t-1,3-Dichloropropene	10.818	75	672690	103.410	ug/l	99
54) cis-1,3-Dichloropropene	10.294	75	686982	101.709	ug/l	98
55) 1,1,2-Trichloroethane	10.994	97	385129	98.234	ug/l	96
56) Ethyl methacrylate	10.853	69	688119	109.827	ug/l	99
57) 1,3-Dichloropropane	11.141	76	681646	98.241	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.141	63	1799387	530.602	ug/l	99
59) 2-Hexanone	11.176	43	2445031	563.903	ug/l	100
60) Dibromochloromethane	11.335	129	447781	98.572	ug/l	100
61) 1,2-Dibromoethane	11.447	107	412721	99.836	ug/l	98
64) Tetrachloroethene	11.082	164	282055	90.747	ug/l	95
65) Chlorobenzene	11.870	112	1089532	97.756	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.935	131	373160	100.851	ug/l	99
67) Ethyl Benzene	11.941	91	1928084	99.914	ug/l	99
68) m/p-Xylenes	12.047	106	1448543	204.677	ug/l	100
69) o-Xylene	12.376	106	705872	101.775	ug/l	99
70) Styrene	12.388	104	1242271	106.913	ug/l	99
71) Bromoform	12.559	173	300919	106.042	ug/l #	98
73) Isopropylbenzene	12.670	105	1813905	98.947	ug/l	99
74) N-amyl acetate	12.488	43	692783	98.225	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.917	83	599955	95.058	ug/l	100
76) 1,2,3-Trichloropropane	12.970	75	487205m	91.360	ug/l	
77) Bromobenzene	12.959	156	421382	97.488	ug/l	100
78) n-propylbenzene	13.011	91	2252725	99.764	ug/l	100
79) 2-Chlorotoluene	13.100	91	1350026	99.349	ug/l	99
80) 1,3,5-Trimethylbenzene	13.153	105	1541753	99.138	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.717	75	223478	111.207	ug/l	85
82) 4-Chlorotoluene	13.200	91	1392464	97.464	ug/l	98
83) tert-Butylbenzene	13.417	119	1296218	100.022	ug/l	100
84) 1,2,4-Trimethylbenzene	13.459	105	1574771	101.155	ug/l	100
85) sec-Butylbenzene	13.594	105	1888785	98.213	ug/l	100
86) p-Isopropyltoluene	13.706	119	1589055	100.064	ug/l	99
87) 1,3-Dichlorobenzene	13.711	146	819384	96.262	ug/l	98
88) 1,4-Dichlorobenzene	13.788	146	824944	93.128	ug/l	99
89) n-Butylbenzene	14.029	91	1541853	97.761	ug/l	99
90) Hexachloroethane	14.306	117	294494	97.338	ug/l	97
91) 1,2-Dichlorobenzene	14.082	146	781928	96.828	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	142185	94.833	ug/l	96
93) 1,2,4-Trichlorobenzene	15.364	180	471693	97.272	ug/l	99
94) Hexachlorobutadiene	15.476	225	157139	90.896	ug/l	99
95) Naphthalene	15.611	128	1777069	103.462	ug/l	100
96) 1,2,3-Trichlorobenzene	15.811	180	462335	97.526	ug/l	98

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

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