

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110725\
 Data File : VN088222.D
 Acq On : 07 Nov 2025 09:49
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/10/2025
 Supervised By : Mahesh Dadoda 11/10/2025

Quant Time: Nov 08 01:52:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 03 01:16:06 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	312291	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	595955	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	524310	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	253740	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	302848	56.081	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.160%			
35) Dibromofluoromethane	8.147	113	207676	51.872	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.740%			
50) Toluene-d8	10.541	98	749109	48.559	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.120%			
62) 4-Bromofluorobenzene	12.829	95	280345	51.457	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.920%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	157126	44.605	ug/l	92
3) Chloromethane	2.383	50	204187	49.270	ug/l	99
4) Vinyl Chloride	2.536	62	211309	46.797	ug/l	97
5) Bromomethane	2.971	94	117055	43.340	ug/l	98
6) Chloroethane	3.136	64	144087	44.289	ug/l	96
7) Trichlorofluoromethane	3.512	101	307918	42.755	ug/l	100
8) Diethyl Ether	3.959	74	138967	51.918	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	165013	44.402	ug/l	98
10) Methyl Iodide	4.577	142	190325	56.038	ug/l	98
11) Tert butyl alcohol	5.518	59	271821	292.177	ug/l	98
12) 1,1-Dichloroethene	4.336	96	169285	43.128	ug/l	93
13) Acrolein	4.177	56	190950	182.472	ug/l	96
14) Allyl chloride	5.012	41	355387	51.656	ug/l	99
15) Acrylonitrile	5.706	53	746411	294.538	ug/l	99
16) Acetone	4.418	43	730329	269.199	ug/l	99
17) Carbon Disulfide	4.706	76	532196	44.603	ug/l	97
18) Methyl Acetate	5.012	43	347719	62.605	ug/l	99
19) Methyl tert-butyl Ether	5.783	73	808310	56.074	ug/l	97
20) Methylene Chloride	5.265	84	231013	50.727	ug/l	93
21) trans-1,2-Dichloroethene	5.771	96	205859	47.780	ug/l	99
22) Diisopropyl ether	6.659	45	799118	55.230	ug/l	99
23) Vinyl Acetate	6.588	43	3676917	282.119	ug/l	99
24) 1,1-Dichloroethane	6.553	63	433641	54.105	ug/l	97
25) 2-Butanone	7.465	43	1043471	291.856	ug/l	100
26) 2,2-Dichloropropane	7.471	77	337157	46.291	ug/l	100
27) cis-1,2-Dichloroethene	7.465	96	255190	51.450	ug/l	93
28) Bromochloromethane	7.794	49	224421	59.261	ug/l	97
29) Tetrahydrofuran	7.824	42	656824	281.895	ug/l	100
30) Chloroform	7.947	83	431501	53.891	ug/l	97
31) Cyclohexane	8.235	56	323918	42.851	ug/l	97
32) 1,1,1-Trichloroethane	8.147	97	352574	49.440	ug/l	99
36) 1,1-Dichloropropene	8.353	75	282294	48.290	ug/l	99
37) Ethyl Acetate	7.541	43	418748	55.508	ug/l	100
38) Carbon Tetrachloride	8.341	117	290980	48.194	ug/l	94
39) Methylcyclohexane	9.577	83	280683	37.354	ug/l	98
40) Benzene	8.588	78	895890	50.322	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.759	41	218129	54.938	ug/l	97
42) 1,2-Dichloroethane	8.653	62	354883	56.102	ug/l	99
43) Isopropyl Acetate	8.671	43	660380	56.968	ug/l	99
44) Trichloroethene	9.329	130	200708	48.232	ug/l	99
45) 1,2-Dichloropropane	9.600	63	237805	52.909	ug/l	99
46) Dibromomethane	9.688	93	169133	52.763	ug/l	96
47) Bromodichloromethane	9.865	83	351288	54.736	ug/l	97
48) Methyl methacrylate	9.659	41	303730	56.752	ug/l	98
49) 1,4-Dioxane	9.677	88	77849	1169.552	ug/l #	94
51) 4-Methyl-2-Pentanone	10.424	43	1983321	289.210	ug/l	99
52) Toluene	10.606	92	540256	49.220	ug/l	99
53) t-1,3-Dichloropropene	10.818	75	373963	54.748	ug/l	100
54) cis-1,3-Dichloropropene	10.288	75	388938	53.659	ug/l	98
55) 1,1,2-Trichloroethane	10.994	97	215048	51.640	ug/l	96
56) Ethyl methacrylate	10.853	69	379487	57.585	ug/l	99
57) 1,3-Dichloropropane	11.141	76	395304	54.006	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	1061043	309.534	ug/l	100
59) 2-Hexanone	11.176	43	1373734	301.969	ug/l	99
60) Dibromochloromethane	11.335	129	250434	52.910	ug/l	99
61) 1,2-Dibromoethane	11.447	107	225469	52.609	ug/l	99
64) Tetrachloroethene	11.082	164	159014	45.979	ug/l	96
65) Chlorobenzene	11.871	112	598610	50.280	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.941	131	201920	51.768	ug/l	99
67) Ethyl Benzene	11.941	91	1031771	49.372	ug/l	100
68) m/p-Xylenes	12.047	106	767071	97.965	ug/l	99
69) o-Xylene	12.376	106	373252	50.286	ug/l	99
70) Styrene	12.388	104	645506	53.331	ug/l	97
71) Bromoform	12.559	173	161209	55.383	ug/l #	98
73) Isopropylbenzene	12.670	105	934927	47.773	ug/l	100
74) N-amyl acetate	12.506	43	304526m	54.815	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	327726	53.788	ug/l	99
76) 1,2,3-Trichloropropane	12.970	75	282322m	48.665	ug/l	
77) Bromobenzene	12.959	156	220558	52.263	ug/l	92
78) n-propylbenzene	13.012	91	1131819	47.391	ug/l	99
79) 2-Chlorotoluene	13.100	91	709360	52.083	ug/l	98
80) 1,3,5-Trimethylbenzene	13.153	105	784734	48.282	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.718	75	110109	52.946	ug/l	85
82) 4-Chlorotoluene	13.200	91	731629	49.651	ug/l	100
83) tert-Butylbenzene	13.417	119	641681	44.196	ug/l	98
84) 1,2,4-Trimethylbenzene	13.459	105	805835	49.554	ug/l	99
85) sec-Butylbenzene	13.594	105	888435	41.649	ug/l	100
86) p-Isopropyltoluene	13.706	119	749639	43.807	ug/l	98
87) 1,3-Dichlorobenzene	13.712	146	422825	50.189	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	427207	47.214	ug/l	98
89) n-Butylbenzene	14.035	91	690570	40.741	ug/l	99
90) Hexachloroethane	14.312	117	141121	42.586	ug/l	93
91) 1,2-Dichlorobenzene	14.082	146	403897	49.736	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.694	75	78198	55.142	ug/l	95
93) 1,2,4-Trichlorobenzene	15.364	180	206557	41.999	ug/l	99
94) Hexachlorobutadiene	15.470	225	64547	35.243	ug/l	98
95) Naphthalene	15.611	128	796369	47.267	ug/l	100
96) 1,2,3-Trichlorobenzene	15.811	180	197915	41.969	ug/l	99

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

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