

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
 Data File : VN088370.D
 Acq On : 01 Dec 2025 09:58
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/02/2025
 Supervised By : Mahesh Dadoda 12/02/2025

Quant Time: Dec 02 00:07:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 25 01:34:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.200	168	262500	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	457607	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	408098	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.765	152	197460	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	251592	50.878	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.760%			
35) Dibromofluoromethane	8.147	113	172647	54.442	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.880%			
50) Toluene-d8	10.541	98	620606	52.597	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.200%			
62) 4-Bromofluorobenzene	12.823	95	216098	53.376	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.760%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	213988	54.274	ug/l	98
3) Chloromethane	2.383	50	225109	53.159	ug/l	97
4) Vinyl Chloride	2.536	62	223310	51.837	ug/l	98
5) Bromomethane	2.977	94	107123	51.665	ug/l	97
6) Chloroethane	3.136	64	137709	51.654	ug/l	96
7) Trichlorofluoromethane	3.512	101	313594	51.793	ug/l	100
8) Diethyl Ether	3.965	74	122135	53.743	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.365	101	166917	51.784	ug/l	97
10) Methyl Iodide	4.577	142	178922	56.072	ug/l	100
11) Tert butyl alcohol	5.518	59	205497	260.289	ug/l	97
12) 1,1-Dichloroethene	4.342	96	159359	49.760	ug/l	98
13) Acrolein	4.171	56	291964	386.274	ug/l	98
14) Allyl chloride	5.012	41	306169	51.579	ug/l	99
15) Acrylonitrile	5.706	53	631123	277.070	ug/l	99
16) Acetone	4.418	43	353017	197.397	ug/l	99
17) Carbon Disulfide	4.700	76	546678	52.238	ug/l	100
18) Methyl Acetate	5.012	43	290775	54.622	ug/l	100
19) Methyl tert-butyl Ether	5.783	73	689442	57.460	ug/l	96
20) Methylene Chloride	5.265	84	207762	54.299	ug/l	98
21) trans-1,2-Dichloroethene	5.771	96	190100	53.585	ug/l	98
22) Diisopropyl ether	6.653	45	704752	55.612	ug/l	98
23) Vinyl Acetate	6.589	43	2933303m	287.290	ug/l	
24) 1,1-Dichloroethane	6.553	63	382166	53.252	ug/l	99
25) 2-Butanone	7.465	43	709877	246.913	ug/l	99
26) 2,2-Dichloropropane	7.471	77	325483	52.543	ug/l	98
27) cis-1,2-Dichloroethene	7.471	96	225942	54.801	ug/l	98
28) Bromochloromethane	7.794	49	176525	49.377	ug/l	99
29) Tetrahydrofuran	7.824	42	580681	281.590	ug/l	99
30) Chloroform	7.947	83	378896	53.730	ug/l	95
31) Cyclohexane	8.235	56	337193	51.848	ug/l	98
32) 1,1,1-Trichloroethane	8.147	97	320304	51.659	ug/l	99
36) 1,1-Dichloropropene	8.353	75	257172	52.546	ug/l	98
37) Ethyl Acetate	7.541	43	351134	54.564	ug/l	98
38) Carbon Tetrachloride	8.341	117	267192	54.841	ug/l	95
39) Methylcyclohexane	9.582	83	303843	58.041	ug/l	97
40) Benzene	8.588	78	795502	55.380	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.759	41	178298m	55.940	ug/l	
42) 1,2-Dichloroethane	8.653	62	309394	56.455	ug/l	99
43) Isopropyl Acetate	8.671	43	566144	57.580	ug/l	99
44) Trichloroethene	9.330	130	189717	55.896	ug/l	99
45) 1,2-Dichloropropane	9.600	63	207193	56.298	ug/l	94
46) Dibromomethane	9.688	93	152439	58.039	ug/l	98
47) Bromodichloromethane	9.865	83	306641	57.219	ug/l	99
48) Methyl methacrylate	9.659	41	262260	58.460	ug/l	99
49) 1,4-Dioxane	9.682	88	61264	1073.826	ug/l #	98
51) 4-Methyl-2-Pentanone	10.424	43	1709516	294.976	ug/l	99
52) Toluene	10.606	92	472964	57.023	ug/l	98
53) t-1,3-Dichloropropene	10.812	75	320705	58.302	ug/l	99
54) cis-1,3-Dichloropropene	10.294	75	342246	59.163	ug/l	96
55) 1,1,2-Trichloroethane	10.994	97	183113	57.061	ug/l	99
56) Ethyl methacrylate	10.853	69	317004	62.537	ug/l	98
57) 1,3-Dichloropropane	11.141	76	338648	58.496	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.135	63	944366	323.148	ug/l	99
59) 2-Hexanone	11.176	43	1048679	287.241	ug/l	99
60) Dibromochloromethane	11.335	129	212408	58.062	ug/l	98
61) 1,2-Dibromoethane	11.447	107	189124	58.199	ug/l	99
64) Tetrachloroethene	11.082	164	173317	53.571	ug/l	99
65) Chlorobenzene	11.871	112	506678	55.274	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.935	131	176540	57.102	ug/l	100
67) Ethyl Benzene	11.941	91	892546	55.709	ug/l	99
68) m/p-Xylenes	12.047	106	666195	112.150	ug/l	99
69) o-Xylene	12.376	106	317531	56.069	ug/l	98
70) Styrene	12.388	104	545300	59.301	ug/l	99
71) Bromoform	12.559	173	137488	60.715	ug/l #	100
73) Isopropylbenzene	12.670	105	825111	56.515	ug/l	99
74) N-amyl acetate	12.494	43	246831m	49.643	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	259360	54.950	ug/l	99
76) 1,2,3-Trichloropropane	12.970	75	258773m	55.953	ug/l	
77) Bromobenzene	12.959	156	190979	57.171	ug/l	98
78) n-propylbenzene	13.012	91	1008099	56.441	ug/l	100
79) 2-Chlorotoluene	13.100	91	601237	55.123	ug/l	99
80) 1,3,5-Trimethylbenzene	13.147	105	692333	57.227	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.718	75	97180	59.611	ug/l #	87
82) 4-Chlorotoluene	13.200	91	633461	58.473	ug/l	99
83) tert-Butylbenzene	13.412	119	573074	55.723	ug/l	100
84) 1,2,4-Trimethylbenzene	13.459	105	704771	58.609	ug/l	99
85) sec-Butylbenzene	13.594	105	840504	56.889	ug/l	100
86) p-Isopropyltoluene	13.706	119	696965	57.528	ug/l	99
87) 1,3-Dichlorobenzene	13.712	146	365660	56.231	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	375462	55.121	ug/l	99
89) n-Butylbenzene	14.029	91	663659	56.418	ug/l	100
90) Hexachloroethane	14.306	117	124701	56.344	ug/l	99
91) 1,2-Dichlorobenzene	14.082	146	346992	56.704	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.694	75	62609	54.672	ug/l	98
93) 1,2,4-Trichlorobenzene	15.364	180	205849	56.615	ug/l	98
94) Hexachlorobutadiene	15.470	225	69826	53.442	ug/l	98
95) Naphthalene	15.611	128	732311	58.123	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	195344	55.205	ug/l	97

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

