

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120925\
 Data File : VN088471.D
 Acq On : 09 Dec 2025 10:47
 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 12/10/2025
 Supervised By : Mahesh Dadoda 12/11/2025

Quant Time: Dec 10 05:02:51 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	234210	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.077	114	421047	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	382607	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.765	152	183020	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	221221	50.140	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.280%			
35) Dibromofluoromethane	8.141	113	143723	49.257	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.520%			
50) Toluene-d8	10.541	98	522876	48.162	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.320%			
62) 4-Bromofluorobenzene	12.823	95	180305	48.403	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.800%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	179894	51.137	ug/l	100
3) Chloromethane	2.383	50	183160	48.478	ug/l	99
4) Vinyl Chloride	2.542	62	183972	47.863	ug/l	100
5) Bromomethane	2.983	94	87643	47.376	ug/l	97
6) Chloroethane	3.142	64	122365	51.443	ug/l	98
7) Trichlorofluoromethane	3.512	101	287170	53.158	ug/l	99
8) Diethyl Ether	3.965	74	104488	51.532	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.377	101	149437	51.961	ug/l	97
10) Methyl Iodide	4.589	142	115196	40.462	ug/l	96
11) Tert butyl alcohol	5.506	59	138783	197.020	ug/l	100
12) 1,1-Dichloroethene	4.342	96	141447	49.502	ug/l	89
13) Acrolein	4.171	56	159773	236.915	ug/l	95
14) Allyl chloride	5.018	41	267536	50.515	ug/l	99
15) Acrylonitrile	5.706	53	539983	265.693	ug/l	99
16) Acetone	4.418	43	321940	201.764	ug/l	97
17) Carbon Disulfide	4.706	76	442363	47.376	ug/l	100
18) Methyl Acetate	5.012	43	261166	54.986	ug/l	100
19) Methyl tert-butyl Ether	5.783	73	593042	55.395	ug/l	98
20) Methylene Chloride	5.271	84	172448	50.514	ug/l	98
21) trans-1,2-Dichloroethene	5.771	96	163908	51.782	ug/l	100
22) Diisopropyl ether	6.653	45	641620	56.745	ug/l	96
23) Vinyl Acetate	6.583	43	2545982m	279.475	ug/l	
24) 1,1-Dichloroethane	6.553	63	344995	53.879	ug/l	99
25) 2-Butanone	7.465	43	614523	239.565	ug/l	96
26) 2,2-Dichloropropane	7.465	77	303973	54.998	ug/l	98
27) cis-1,2-Dichloroethene	7.465	96	192264	52.265	ug/l	96
28) Bromochloromethane	7.788	49	161186	50.532	ug/l	95
29) Tetrahydrofuran	7.824	42	507662	275.916	ug/l	98
30) Chloroform	7.947	83	348942	55.460	ug/l	96
31) Cyclohexane	8.235	56	296877	51.163	ug/l	98
32) 1,1,1-Trichloroethane	8.147	97	299400	54.120	ug/l	98
36) 1,1-Dichloropropene	8.347	75	232313	51.589	ug/l	99
37) Ethyl Acetate	7.541	43	317824	53.676	ug/l	98
38) Carbon Tetrachloride	8.341	117	251853	56.182	ug/l	95
39) Methylcyclohexane	9.577	83	234542	48.693	ug/l	91
40) Benzene	8.582	78	705994	53.416	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.759	41	171374	58.436	ug/l	94
42) 1,2-Dichloroethane	8.647	62	294617	58.426	ug/l	99
43) Isopropyl Acetate	8.665	43	490517	54.220	ug/l	100
44) Trichloroethene	9.329	130	153586	49.180	ug/l	100
45) 1,2-Dichloropropane	9.594	63	188336	55.618	ug/l	92
46) Dibromomethane	9.688	93	132205	54.706	ug/l	98
47) Bromodichloromethane	9.865	83	277293	56.236	ug/l	98
48) Methyl methacrylate	9.659	41	236958	57.406	ug/l	95
49) 1,4-Dioxane	9.682	88	44092	839.945	ug/l #	96
51) 4-Methyl-2-Pentanone	10.418	43	1512815	283.701	ug/l	100
52) Toluene	10.606	92	424349	55.604	ug/l	99
53) t-1,3-Dichloropropene	10.812	75	275655	54.463	ug/l	100
54) cis-1,3-Dichloropropene	10.288	75	299168	56.207	ug/l	95
55) 1,1,2-Trichloroethane	10.988	97	167021	56.566	ug/l	98
56) Ethyl methacrylate	10.853	69	275791	59.131	ug/l	98
57) 1,3-Dichloropropane	11.135	76	298731	56.082	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.135	63	769133	286.039	ug/l	99
59) 2-Hexanone	11.171	43	951304	283.194	ug/l	99
60) Dibromochloromethane	11.335	129	188964	56.139	ug/l	96
61) 1,2-Dibromoethane	11.441	107	164209	54.919	ug/l	99
64) Tetrachloroethene	11.076	164	131580	43.380	ug/l	98
65) Chlorobenzene	11.865	112	441099	51.326	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.929	131	156001	53.820	ug/l	98
67) Ethyl Benzene	11.935	91	784196	52.208	ug/l	99
68) m/p-Xylenes	12.047	106	589581	105.865	ug/l	97
69) o-Xylene	12.370	106	276005	51.984	ug/l	99
70) Styrene	12.388	104	484073	56.150	ug/l	99
71) Bromoform	12.553	173	116966	55.094	ug/l #	98
73) Isopropylbenzene	12.670	105	722948	53.424	ug/l	98
74) N-amyl acetate	12.494	43	268580m	58.279	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.912	83	243036	55.554	ug/l	98
76) 1,2,3-Trichloropropane	12.965	75	218070m	50.872	ug/l	
77) Bromobenzene	12.953	156	166897	53.903	ug/l	96
78) n-propylbenzene	13.006	91	870015	52.553	ug/l	99
79) 2-Chlorotoluene	13.100	91	522669	51.700	ug/l	100
80) 1,3,5-Trimethylbenzene	13.147	105	588385	52.472	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.712	75	86368	57.159	ug/l #	83
82) 4-Chlorotoluene	13.194	91	556077	55.380	ug/l	98
83) tert-Butylbenzene	13.412	119	470637	49.373	ug/l	96
84) 1,2,4-Trimethylbenzene	13.453	105	603464	54.144	ug/l	97
85) sec-Butylbenzene	13.588	105	682763	49.859	ug/l	100
86) p-Isopropyltoluene	13.700	119	562046	50.052	ug/l	98
87) 1,3-Dichlorobenzene	13.706	146	311675	51.711	ug/l	99
88) 1,4-Dichlorobenzene	13.782	146	314921	49.880	ug/l	98
89) n-Butylbenzene	14.029	91	516536	47.376	ug/l	100
90) Hexachloroethane	14.306	117	100854	49.165	ug/l	100
91) 1,2-Dichlorobenzene	14.082	146	299959	52.885	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.694	75	55204	52.009	ug/l	95
93) 1,2,4-Trichlorobenzene	15.364	180	154692	45.902	ug/l	97
94) Hexachlorobutadiene	15.470	225	51066	42.168	ug/l	97
95) Naphthalene	15.611	128	580009	49.667	ug/l	99
96) 1,2,3-Trichlorobenzene	15.806	180	154063	46.974	ug/l	98

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

