

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
 Data File : VN088085.D
 Acq On : 23 Oct 2025 14:54
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN102325

Quant Time: Oct 24 03:19:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 24 03:16:47 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 10/24/2025
 Supervised By :Mahesh Dadoda 10/27/2025

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	329791	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	629673	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	552962	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	275365	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	266313	46.699	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.400%		
35) Dibromofluoromethane	8.147	113	194019	45.865	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.740%		
50) Toluene-d8	10.547	98	763509	46.842	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.680%		
62) 4-Bromofluorobenzene	12.829	95	270623	47.012	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	94.020%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	181807	48.872	ug/l	100
3) Chloromethane	2.383	50	219077	50.058	ug/l	100
4) Vinyl Chloride	2.536	62	236939	49.688	ug/l	100
5) Bromomethane	2.971	94	148038	51.903	ug/l	99
6) Chloroethane	3.136	64	174590	50.817	ug/l	95
7) Trichlorofluoromethane	3.512	101	391081	51.420	ug/l	100
8) Diethyl Ether	3.959	74	151702	53.668	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.365	101	214444	54.641	ug/l	98
10) Methyl Iodide	4.583	142	188924	48.914	ug/l	94
11) Tert butyl alcohol	5.512	59	223370	227.357	ug/l	100
12) 1,1-Dichloroethene	4.336	96	214504	51.748	ug/l	99
13) Acrolein	4.177	56	314965	285.010	ug/l	99
14) Allyl chloride	5.012	41	338733	46.622	ug/l	97
15) Acrylonitrile	5.706	53	652411	243.784	ug/l	98
16) Acetone	4.418	43	708708	247.368	ug/l	98
17) Carbon Disulfide	4.706	76	597135	47.390	ug/l	98
18) Methyl Acetate	5.018	43	278412	47.467	ug/l	98
19) Methyl tert-butyl Ether	5.783	73	754371	49.555	ug/l	99
20) Methylene Chloride	5.259	84	226995	50.891	ug/l	98
21) trans-1,2-Dichloroethene	5.771	96	217864	47.883	ug/l	99
22) Diisopropyl ether	6.653	45	789811	51.691	ug/l	98
23) Vinyl Acetate	6.589	43	3597787	261.399	ug/l	99
24) 1,1-Dichloroethane	6.547	63	422648	49.935	ug/l	98
25) 2-Butanone	7.465	43	930039	246.326	ug/l	99
26) 2,2-Dichloropropane	7.471	77	384885	50.040	ug/l	99
27) cis-1,2-Dichloroethene	7.465	96	258806	49.410	ug/l	98
28) Bromochloromethane	7.794	49	202137	50.544	ug/l	100
29) Tetrahydrofuran	7.818	42	604070	245.497	ug/l	99
30) Chloroform	7.947	83	423655	50.104	ug/l	96
31) Cyclohexane	8.236	56	395022	49.485	ug/l	96
32) 1,1,1-Trichloroethane	8.147	97	374970	49.791	ug/l	98
36) 1,1-Dichloropropene	8.353	75	305017	49.383	ug/l	97
37) Ethyl Acetate	7.547	43	368137	46.186	ug/l	97
38) Carbon Tetrachloride	8.341	117	320797	50.287	ug/l	98
39) Methylcyclohexane	9.583	83	396292	49.916	ug/l	97
40) Benzene	8.588	78	933204	49.611	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.759	41	201543	48.042	ug/l	99
42) 1,2-Dichloroethane	8.647	62	333208	49.855	ug/l	100
43) Isopropyl Acetate	8.671	43	617708	50.434	ug/l	98
44) Trichloroethene	9.330	130	215931	49.112	ug/l	97
45) 1,2-Dichloropropane	9.600	63	233818	49.237	ug/l	94
46) Dibromomethane	9.688	93	169580	50.069	ug/l	98
47) Bromodichloromethane	9.865	83	341897	50.420	ug/l	97
48) Methyl methacrylate	9.659	41	285311	50.456	ug/l	97
49) 1,4-Dioxane	9.677	88	68041	967.465	ug/l #	99
51) 4-Methyl-2-Pentanone	10.424	43	1835452	253.315	ug/l	99
52) Toluene	10.606	92	584587	50.407	ug/l	98
53) t-1,3-Dichloropropene	10.818	75	378294	52.416	ug/l	98
54) cis-1,3-Dichloropropene	10.288	75	396097	51.721	ug/l	96
55) 1,1,2-Trichloroethane	10.994	97	212827	48.370	ug/l	96
56) Ethyl methacrylate	10.853	69	377487	54.214	ug/l	96
57) 1,3-Dichloropropane	11.141	76	393469	50.877	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.141	63	973004	268.651	ug/l	99
59) 2-Hexanone	11.177	43	1284662	267.268	ug/l	98
60) Dibromochloromethane	11.341	129	253809	50.751	ug/l	99
61) 1,2-Dibromoethane	11.447	107	226306	49.976	ug/l	99
64) Tetrachloroethene	11.082	164	175856	48.214	ug/l	97
65) Chlorobenzene	11.871	112	637824	50.798	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.935	131	209987	51.047	ug/l	98
67) Ethyl Benzene	11.941	91	1128615	51.208	ug/l	99
68) m/p-Xylenes	12.047	106	859721	104.109	ug/l	98
69) o-Xylene	12.376	106	414102	52.899	ug/l	97
70) Styrene	12.388	104	691022	54.133	ug/l	99
71) Bromoform	12.559	173	158376	51.590	ug/l #	98
73) Isopropylbenzene	12.671	105	1095685	51.590	ug/l	99
74) N-amyl acetate	12.500	43	282147	58.174	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.918	83	327851	49.583	ug/l	100
76) 1,2,3-Trichloropropane	12.971	75	313480m	49.793	ug/l	
77) Bromobenzene	12.959	156	240684	52.553	ug/l	98
78) n-propylbenzene	13.012	91	1344076	51.859	ug/l	98
79) 2-Chlorotoluene	13.100	91	775440	52.463	ug/l	100
80) 1,3,5-Trimethylbenzene	13.147	105	914603	51.853	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.718	75	115268	51.074	ug/l #	80
82) 4-Chlorotoluene	13.200	91	807500	50.497	ug/l	98
83) tert-Butylbenzene	13.418	119	807306	51.237	ug/l	98
84) 1,2,4-Trimethylbenzene	13.459	105	923338	52.321	ug/l	99
85) sec-Butylbenzene	13.594	105	1189055	51.364	ug/l	99
86) p-Isopropyltoluene	13.706	119	993123	53.478	ug/l	100
87) 1,3-Dichlorobenzene	13.712	146	469549	51.358	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	481076	48.992	ug/l	99
89) n-Butylbenzene	14.035	91	950993	51.698	ug/l	98
90) Hexachloroethane	14.306	117	181442	50.453	ug/l	96
91) 1,2-Dichlorobenzene	14.082	146	447427	50.769	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.694	75	72041	46.810	ug/l	97
93) 1,2,4-Trichlorobenzene	15.365	180	265531	49.750	ug/l	99
94) Hexachlorobutadiene	15.470	225	96309	48.455	ug/l	97
95) Naphthalene	15.612	128	919023	50.263	ug/l	100
96) 1,2,3-Trichlorobenzene	15.812	180	250044	48.860	ug/l	99

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

