

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091525\
 Data File : VN087820.D
 Acq On : 15 Sep 2025 08:39
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 16 01:26:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 02:55:42 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 09/16/2025
 Supervised By : Mahesh Dadoda 09/16/2025

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	257288	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	490599	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	467132	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.765	152	259703	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	259753	49.275	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.540%		
35) Dibromofluoromethane	8.147	113	191463	54.053	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	108.100%		
50) Toluene-d8	10.547	98	678041	51.144	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	102.280%		
62) 4-Bromofluorobenzene	12.829	95	247940	52.588	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	105.180%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.142	85	173403	47.453	ug/l	95
3) Chloromethane	2.383	50	176368	46.965	ug/l	95
4) Vinyl Chloride	2.536	62	201781	46.342	ug/l	100
5) Bromomethane	2.965	94	91040m	40.522	ug/l	
6) Chloroethane	3.130	64	137038	44.779	ug/l	94
7) Trichlorofluoromethane	3.506	101	305464	47.883	ug/l	99
8) Diethyl Ether	3.959	74	123432	44.428	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.365	101	167406	46.377	ug/l	97
10) Methyl Iodide	4.577	142	83558	33.566	ug/l	99
11) Tert butyl alcohol	5.524	59	205030	224.038	ug/l	99
12) 1,1-Dichloroethene	4.336	96	171103	46.126	ug/l	93
13) Acrolein	4.171	56	152385	135.445	ug/l	98
14) Allyl chloride	5.012	41	272082	40.476	ug/l	95
15) Acrylonitrile	5.706	53	614236	237.986	ug/l	97
16) Acetone	4.424	43	657984	229.290	ug/l	97
17) Carbon Disulfide	4.700	76	503365	49.291	ug/l	98
18) Methyl Acetate	5.018	43	286214	47.635	ug/l	97
19) Methyl tert-butyl Ether	5.783	73	658634	47.331	ug/l	99
20) Methylene Chloride	5.265	84	204926	49.355	ug/l	99
21) trans-1,2-Dichloroethene	5.771	96	190202	47.311	ug/l	92
22) Diisopropyl ether	6.653	45	679356	46.832	ug/l	99
23) Vinyl Acetate	6.589	43	3153095	238.914	ug/l	99
24) 1,1-Dichloroethane	6.553	63	365304	45.929	ug/l	100
25) 2-Butanone	7.471	43	890750	235.936	ug/l	96
26) 2,2-Dichloropropane	7.471	77	320312	46.923	ug/l	99
27) cis-1,2-Dichloroethene	7.471	96	228371	47.516	ug/l	98
28) Bromochloromethane	7.794	49	188026	48.900	ug/l	94
29) Tetrahydrofuran	7.824	42	571156	235.075	ug/l	99
30) Chloroform	7.947	83	396129	48.795	ug/l	99
31) Cyclohexane	8.241	56	287417	43.347	ug/l	96
32) 1,1,1-Trichloroethane	8.147	97	326672	47.482	ug/l	95
36) 1,1-Dichloropropene	8.353	75	246433	45.350	ug/l	97
37) Ethyl Acetate	7.547	43	353098	47.552	ug/l	98
38) Carbon Tetrachloride	8.341	117	270542	50.425	ug/l	100
39) Methylcyclohexane	9.582	83	278202	46.502	ug/l	96
40) Benzene	8.588	78	830170	49.809	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	181385	47.157	ug/l	98
42) 1,2-Dichloroethane	8.647	62	301666	47.100	ug/l	99
43) Isopropyl Acetate	8.671	43	554047	47.791	ug/l	97
44) Trichloroethene	9.330	130	186497	49.011	ug/l	97
45) 1,2-Dichloropropane	9.600	63	209352	47.653	ug/l	93
46) Dibromomethane	9.688	93	160753	51.419	ug/l	96
47) Bromodichloromethane	9.871	83	316122	49.338	ug/l	99
48) Methyl methacrylate	9.665	41	258185	47.083	ug/l	96
49) 1,4-Dioxane	9.682	88	77024	1083.694	ug/l #	99
51) 4-Methyl-2-Pentanone	10.424	43	1752626	250.567	ug/l	99
52) Toluene	10.606	92	512854	49.635	ug/l	99
53) t-1,3-Dichloropropene	10.818	75	334076	50.372	ug/l	99
54) cis-1,3-Dichloropropene	10.294	75	346167	50.269	ug/l	96
55) 1,1,2-Trichloroethane	10.994	97	207693	51.961	ug/l	97
56) Ethyl methacrylate	10.853	69	331028	51.821	ug/l	98
57) 1,3-Dichloropropane	11.141	76	355846	50.303	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	852425	246.546	ug/l	98
59) 2-Hexanone	11.176	43	1209028	273.498	ug/l	99
60) Dibromochloromethane	11.335	129	242457	52.350	ug/l	98
61) 1,2-Dibromoethane	11.447	107	218321	51.799	ug/l	99
64) Tetrachloroethene	11.082	164	153572	47.385	ug/l	93
65) Chlorobenzene	11.871	112	565162	48.631	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.935	131	201155	52.137	ug/l	99
67) Ethyl Benzene	11.941	91	979088	48.658	ug/l	99
68) m/p-Xylenes	12.047	106	747062	101.234	ug/l	98
69) o-Xylene	12.376	106	354897	49.074	ug/l	99
70) Styrene	12.388	104	631680	52.137	ug/l	98
71) Bromoform	12.559	173	165576	55.958	ug/l #	98
73) Isopropylbenzene	12.670	105	914828	43.593	ug/l	100
74) N-amyl acetate	12.494	43	333440m	41.927	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	329699	45.633	ug/l	99
76) 1,2,3-Trichloropropane	12.970	75	295392m	48.503	ug/l	
77) Bromobenzene	12.959	156	226244	45.724	ug/l	97
78) n-propylbenzene	13.012	91	1147934	44.409	ug/l	98
79) 2-Chlorotoluene	13.100	91	687042	44.167	ug/l	99
80) 1,3,5-Trimethylbenzene	13.147	105	799940	44.934	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.718	75	102362	44.497	ug/l #	81
82) 4-Chlorotoluene	13.200	91	710251	43.427	ug/l	96
83) tert-Butylbenzene	13.412	119	680028	45.839	ug/l	96
84) 1,2,4-Trimethylbenzene	13.459	105	820092	46.017	ug/l	99
85) sec-Butylbenzene	13.594	105	978347	44.440	ug/l	98
86) p-Isopropyltoluene	13.706	119	839446	46.177	ug/l	99
87) 1,3-Dichlorobenzene	13.712	146	452382	46.426	ug/l	98
88) 1,4-Dichlorobenzene	13.788	146	461916	45.552	ug/l	99
89) n-Butylbenzene	14.029	91	815888	45.190	ug/l	98
90) Hexachloroethane	14.306	117	155823	44.991	ug/l	92
91) 1,2-Dichlorobenzene	14.082	146	439994	47.596	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.700	75	73390	42.759	ug/l	94
93) 1,2,4-Trichlorobenzene	15.364	180	264396	47.629	ug/l	98
94) Hexachlorobutadiene	15.470	225	97333	49.182	ug/l	97
95) Naphthalene	15.611	128	904396	45.996	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	255766	47.130	ug/l	99

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

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