

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111125\
 Data File : VN088263.D
 Acq On : 11 Nov 2025 17:10
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Nov 12 01:19:46 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

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/12/2025
 Supervised By : Mahesh Dadoda 11/12/2025

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	299866	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	572564	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	511089	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	266029	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	262899	50.701	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.400%			
35) Dibromofluoromethane	8.147	113	181630	47.219	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.440%			
50) Toluene-d8	10.541	98	679537	45.849	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 91.700%			
62) 4-Bromofluorobenzene	12.823	95	256429	48.990	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.980%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	139276	41.176	ug/l	98
3) Chloromethane	2.383	50	166791	41.914	ug/l	98
4) Vinyl Chloride	2.536	62	180341	41.593	ug/l	100
5) Bromomethane	2.971	94	98185	37.860	ug/l	100
6) Chloroethane	3.136	64	119967	38.403	ug/l	98
7) Trichlorofluoromethane	3.512	101	280531	40.566	ug/l	96
8) Diethyl Ether	3.965	74	106176	41.311	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.365	101	150924	42.294	ug/l	98
10) Methyl Iodide	4.583	142	144076	44.179	ug/l	95
11) Tert butyl alcohol	5.524	59	189828	212.498	ug/l	99
12) 1,1-Dichloroethene	4.336	96	146137	38.773	ug/l	94
13) Acrolein	4.177	56	280156	278.811	ug/l	100
14) Allyl chloride	5.012	41	288534	43.676	ug/l	97
15) Acrylonitrile	5.712	53	578322	237.665	ug/l	99
16) Acetone	4.424	43	607585	233.236	ug/l	98
17) Carbon Disulfide	4.706	76	436596	38.107	ug/l	98
18) Methyl Acetate	5.024	43	279381	52.386	ug/l	99
19) Methyl tert-butyl Ether	5.783	73	639694	46.216	ug/l	97
20) Methylene Chloride	5.265	84	188421	43.088	ug/l	96
21) trans-1,2-Dichloroethene	5.771	96	168106	40.635	ug/l	97
22) Diisopropyl ether	6.653	45	661867	47.640	ug/l	99
23) Vinyl Acetate	6.589	43	3016590	241.044	ug/l	98
24) 1,1-Dichloroethane	6.553	63	359889	46.764	ug/l	98
25) 2-Butanone	7.465	43	836866	243.768	ug/l	98
26) 2,2-Dichloropropane	7.471	77	303233	43.358	ug/l	98
27) cis-1,2-Dichloroethene	7.471	96	207588	43.587	ug/l	93
28) Bromochloromethane	7.794	49	138232	38.014	ug/l	95
29) Tetrahydrofuran	7.824	42	528712	236.315	ug/l	97
30) Chloroform	7.947	83	364543	47.415	ug/l	99
31) Cyclohexane	8.236	56	289920	39.943	ug/l	97
32) 1,1,1-Trichloroethane	8.153	97	310957	45.411	ug/l	98
36) 1,1-Dichloropropene	8.353	75	248377	44.224	ug/l	100
37) Ethyl Acetate	7.547	43	332546	45.882	ug/l	98
38) Carbon Tetrachloride	8.347	117	259313	44.703	ug/l	99
39) Methylcyclohexane	9.577	83	270554	37.477	ug/l	98
40) Benzene	8.588	78	743915	43.493	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	171234	44.889	ug/l	98
42) 1,2-Dichloroethane	8.653	62	302074	49.704	ug/l	98
43) Isopropyl Acetate	8.671	43	521419	46.818	ug/l	99
44) Trichloroethene	9.330	130	164351	41.109	ug/l	99
45) 1,2-Dichloropropane	9.600	63	197752	45.796	ug/l	98
46) Dibromomethane	9.688	93	140751	45.702	ug/l	99
47) Bromodichloromethane	9.865	83	293731	47.637	ug/l	95
48) Methyl methacrylate	9.665	41	249828	48.588	ug/l	98
49) 1,4-Dioxane	9.682	88	52826	826.045	ug/l #	90
51) 4-Methyl-2-Pentanone	10.424	43	1626021	246.795	ug/l	99
52) Toluene	10.606	92	453633	43.016	ug/l	99
53) t-1,3-Dichloropropene	10.818	75	306107	46.644	ug/l	99
54) cis-1,3-Dichloropropene	10.288	75	323986	46.524	ug/l	96
55) 1,1,2-Trichloroethane	10.994	97	178143	44.526	ug/l	95
56) Ethyl methacrylate	10.853	69	294508	46.515	ug/l	96
57) 1,3-Dichloropropane	11.141	76	321950	45.781	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.135	63	843521	256.130	ug/l	98
59) 2-Hexanone	11.176	43	1108048	253.518	ug/l	99
60) Dibromochloromethane	11.335	129	206993	45.519	ug/l	100
61) 1,2-Dibromoethane	11.447	107	186548	45.305	ug/l	100
64) Tetrachloroethene	11.082	164	130930	38.837	ug/l	95
65) Chlorobenzene	11.871	112	496153	42.753	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.941	131	173520	45.638	ug/l	99
67) Ethyl Benzene	11.941	91	893744	43.874	ug/l	100
68) m/p-Xylenes	12.047	106	665934	87.249	ug/l	100
69) o-Xylene	12.376	106	319206	44.117	ug/l	98
70) Styrene	12.388	104	550392	46.649	ug/l	97
71) Bromoform	12.559	173	133207	46.947	ug/l #	97
73) Isopropylbenzene	12.671	105	840559	40.967	ug/l	100
74) N-amyl acetate	12.500	43	251578m	43.193	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	276587	43.298	ug/l	100
76) 1,2,3-Trichloropropane	12.970	75	270309m	44.442	ug/l	
77) Bromobenzene	12.959	156	193236	43.674	ug/l	97
78) n-propylbenzene	13.012	91	1033755	41.285	ug/l	99
79) 2-Chlorotoluene	13.100	91	627014	43.910	ug/l	97
80) 1,3,5-Trimethylbenzene	13.147	105	716072	42.022	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.718	75	93872	43.053	ug/l	89
82) 4-Chlorotoluene	13.200	91	658205	42.605	ug/l	98
83) tert-Butylbenzene	13.418	119	617754	40.582	ug/l	100
84) 1,2,4-Trimethylbenzene	13.459	105	734178	43.062	ug/l	100
85) sec-Butylbenzene	13.594	105	886839	39.654	ug/l	99
86) p-Isopropyltoluene	13.706	119	746386	41.602	ug/l	98
87) 1,3-Dichlorobenzene	13.712	146	380721	43.104	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	382246	40.293	ug/l	99
89) n-Butylbenzene	14.035	91	713890	40.171	ug/l	99
90) Hexachloroethane	14.306	117	140917	40.560	ug/l	97
91) 1,2-Dichlorobenzene	14.082	146	356068	41.821	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.700	75	64407	43.319	ug/l	94
93) 1,2,4-Trichlorobenzene	15.364	180	205213	39.798	ug/l	99
94) Hexachlorobutadiene	15.476	225	74039	38.558	ug/l	100
95) Naphthalene	15.611	128	718601	40.681	ug/l	100
96) 1,2,3-Trichlorobenzene	15.811	180	196343	39.713	ug/l	99

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

