

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111725\
 Data File : VN088303.D
 Acq On : 17 Nov 2025 15:07
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Nov 18 03:01:49 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 :Amit Patel 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	231427	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	444101	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	401572	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	200016	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	198260	49.542	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.080%		
35) Dibromofluoromethane	8.147	113	142269	47.685	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.380%		
50) Toluene-d8	10.547	98	492054	42.803	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	85.600%#		
62) 4-Bromofluorobenzene	12.829	95	177166	43.638	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	87.280%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	107716	41.263	ug/l	100
3) Chloromethane	2.383	50	145266	47.300	ug/l	97
4) Vinyl Chloride	2.536	62	153637	45.913	ug/l	100
5) Bromomethane	2.965	94	87359	43.647	ug/l	96
6) Chloroethane	3.136	64	105692	43.839	ug/l	98
7) Trichlorofluoromethane	3.506	101	226946	42.522	ug/l	97
8) Diethyl Ether	3.965	74	96810	48.805	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.365	101	124981	45.381	ug/l	97
10) Methyl Iodide	4.577	142	130310	51.774	ug/l	99
11) Tert butyl alcohol	5.530	59	178061	258.272	ug/l	98
12) 1,1-Dichloroethene	4.336	96	121783	41.867	ug/l	89
13) Acrolein	4.177	56	280928	362.258	ug/l	99
14) Allyl chloride	5.012	41	249993	49.033	ug/l	96
15) Acrylonitrile	5.706	53	544317	289.841	ug/l	99
16) Acetone	4.424	43	597232	297.060	ug/l	96
17) Carbon Disulfide	4.700	76	364771	41.253	ug/l	98
18) Methyl Acetate	5.018	43	257262	62.504	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	574381	53.769	ug/l	98
20) Methylene Chloride	5.259	84	167887	49.746	ug/l	97
21) trans-1,2-Dichloroethene	5.777	96	153532	48.087	ug/l	95
22) Diisopropyl ether	6.659	45	601371	56.086	ug/l	99
23) Vinyl Acetate	6.589	43	2721405	281.765	ug/l	98
24) 1,1-Dichloroethane	6.553	63	316048	53.212	ug/l	98
25) 2-Butanone	7.471	43	792825	299.235	ug/l	98
26) 2,2-Dichloropropane	7.471	77	270178	50.056	ug/l	99
27) cis-1,2-Dichloroethene	7.471	96	186832	50.830	ug/l	95
28) Bromochloromethane	7.794	49	158590	56.510	ug/l	99
29) Tetrahydrofuran	7.824	42	497797	288.295	ug/l	97
30) Chloroform	7.947	83	329414	55.517	ug/l	97
31) Cyclohexane	8.236	56	235701	42.076	ug/l	98
32) 1,1,1-Trichloroethane	8.147	97	264140	49.981	ug/l	99
36) 1,1-Dichloropropene	8.353	75	208768	47.924	ug/l	99
37) Ethyl Acetate	7.547	43	309017	54.969	ug/l	98
38) Carbon Tetrachloride	8.341	117	226092	50.251	ug/l	92
39) Methylcyclohexane	9.583	83	216634	38.689	ug/l	97
40) Benzene	8.588	78	678909	51.174	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.759	41	158066	53.423	ug/l	99
42) 1,2-Dichloroethane	8.653	62	263682	55.938	ug/l	99
43) Isopropyl Acetate	8.671	43	486000	56.261	ug/l	100
44) Trichloroethene	9.330	130	148478	47.882	ug/l	100
45) 1,2-Dichloropropane	9.600	63	179727	53.661	ug/l	97
46) Dibromomethane	9.688	93	129748	54.316	ug/l	96
47) Bromodichloromethane	9.865	83	265811	55.579	ug/l	100
48) Methyl methacrylate	9.665	41	224314	56.245	ug/l	97
49) 1,4-Dioxane	9.683	88	56973	1148.596	ug/l #	99
51) 4-Methyl-2-Pentanone	10.424	43	1525718	298.556	ug/l	100
52) Toluene	10.606	92	404739	49.482	ug/l	99
53) t-1,3-Dichloropropene	10.812	75	278423	54.698	ug/l	100
54) cis-1,3-Dichloropropene	10.288	75	292717	54.193	ug/l	99
55) 1,1,2-Trichloroethane	10.994	97	165945	53.475	ug/l	95
56) Ethyl methacrylate	10.853	69	272920	55.575	ug/l	99
57) 1,3-Dichloropropane	11.141	76	301370	55.251	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	813279	318.380	ug/l	100
59) 2-Hexanone	11.177	43	1047666	309.040	ug/l	99
60) Dibromochloromethane	11.341	129	195145	55.326	ug/l	98
61) 1,2-Dibromoethane	11.447	107	168233	52.676	ug/l	99
64) Tetrachloroethene	11.082	164	120905	45.645	ug/l	96
65) Chlorobenzene	11.871	112	446973	49.019	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.941	131	157603	52.756	ug/l	99
67) Ethyl Benzene	11.941	91	768873	48.037	ug/l	100
68) m/p-Xylenes	12.053	106	569774	95.009	ug/l	100
69) o-Xylene	12.376	106	279437	49.153	ug/l	98
70) Styrene	12.388	104	476204	51.368	ug/l	98
71) Bromoform	12.559	173	124259	55.736	ug/l #	97
73) Isopropylbenzene	12.676	105	701075	45.445	ug/l	100
74) N-amyl acetate	12.512	43	212862m	48.607	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	253802	52.844	ug/l	99
76) 1,2,3-Trichloropropane	12.971	75	208778m	45.655	ug/l	
77) Bromobenzene	12.959	156	173018	52.010	ug/l	100
78) n-propylbenzene	13.012	91	877662	46.620	ug/l	99
79) 2-Chlorotoluene	13.106	91	531444	49.501	ug/l	98
80) 1,3,5-Trimethylbenzene	13.153	105	602625	47.036	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.718	75	82686	50.439	ug/l	88
82) 4-Chlorotoluene	13.200	91	553531	47.655	ug/l	100
83) tert-Butylbenzene	13.418	119	501706	43.836	ug/l	98
84) 1,2,4-Trimethylbenzene	13.459	105	615612	48.025	ug/l	100
85) sec-Butylbenzene	13.594	105	729062	43.358	ug/l	100
86) p-Isopropyltoluene	13.706	119	618303	45.837	ug/l	99
87) 1,3-Dichlorobenzene	13.712	146	326380	49.147	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	339104	47.543	ug/l	100
89) n-Butylbenzene	14.035	91	584641	43.756	ug/l	99
90) Hexachloroethane	14.312	117	122829	47.022	ug/l	98
91) 1,2-Dichlorobenzene	14.082	146	309709	48.381	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	59061	52.833	ug/l	97
93) 1,2,4-Trichlorobenzene	15.370	180	179550	46.313	ug/l	99
94) Hexachlorobutadiene	15.476	225	64699	44.814	ug/l	99
95) Naphthalene	15.612	128	638844	48.102	ug/l	100
96) 1,2,3-Trichlorobenzene	15.812	180	167905	45.169	ug/l	95

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

