

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120325\
 Data File : VN088435.D
 Acq On : 03 Dec 2025 17:18
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 04 00:23:51 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

Manual Integrations APPROVED

Reviewed By : John Carlone 12/04/2025
 Supervised By : Semsettin Yesilyurt 12/04/2025

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	261593	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	475071	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	432840	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.765	152	223755	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	262295	53.227	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.460%			
35) Dibromofluoromethane	8.147	113	175427	53.285	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.580%			
50) Toluene-d8	10.541	98	642796	52.475	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.940%			
62) 4-Bromofluorobenzene	12.829	95	232769	55.381	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 110.760%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	218184	55.530	ug/l	97
3) Chloromethane	2.383	50	207498	49.170	ug/l	95
4) Vinyl Chloride	2.536	62	226576	52.777	ug/l	96
5) Bromomethane	2.971	94	101504	49.125	ug/l	98
6) Chloroethane	3.142	64	141239	53.162	ug/l	98
7) Trichlorofluoromethane	3.512	101	338884	56.164	ug/l	96
8) Diethyl Ether	3.959	74	117882	52.052	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	176597	54.977	ug/l	99
10) Methyl Iodide	4.583	142	150831	47.433	ug/l	91
11) Tert butyl alcohol	5.518	59	188510	239.601	ug/l #	89
12) 1,1-Dichloroethene	4.342	96	167438	52.464	ug/l	96
13) Acrolein	4.177	56	243318	323.030	ug/l	99
14) Allyl chloride	5.018	41	306267	51.775	ug/l	97
15) Acrylonitrile	5.706	53	600753	264.652	ug/l	99
16) Acetone	4.418	43	610751	342.698	ug/l	98
17) Carbon Disulfide	4.706	76	528465	50.673	ug/l	98
18) Methyl Acetate	5.012	43	289103	54.497	ug/l	98
19) Methyl tert-butyl Ether	5.789	73	646629	54.078	ug/l	100
20) Methylene Chloride	5.265	84	194072	50.897	ug/l	96
21) trans-1,2-Dichloroethene	5.777	96	188772	53.395	ug/l	96
22) Diisopropyl ether	6.659	45	698981	55.347	ug/l	98
23) Vinyl Acetate	6.589	43	3181262	312.656	ug/l	100
24) 1,1-Dichloroethane	6.553	63	381884	53.397	ug/l	99
25) 2-Butanone	7.465	43	867718	302.861	ug/l	94
26) 2,2-Dichloropropane	7.471	77	321430	52.069	ug/l	100
27) cis-1,2-Dichloroethene	7.471	96	218545	53.191	ug/l	99
28) Bromochloromethane	7.794	49	189611	53.221	ug/l	99
29) Tetrahydrofuran	7.824	42	559833	272.421	ug/l	99
30) Chloroform	7.947	83	388945	55.347	ug/l	98
31) Cyclohexane	8.236	56	330700	51.026	ug/l	97
32) 1,1,1-Trichloroethane	8.147	97	340803	55.156	ug/l	99
36) 1,1-Dichloropropene	8.353	75	272238	53.580	ug/l	99
37) Ethyl Acetate	7.542	43	361740	54.146	ug/l	98
38) Carbon Tetrachloride	8.341	117	289987	57.332	ug/l	99
39) Methylcyclohexane	9.577	83	302547	55.669	ug/l	96
40) Benzene	8.588	78	798416	53.540	ug/l	100

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41) Methacrylonitrile	7.765	41	181695	54.910	ug/l	98
42) 1,2-Dichloroethane	8.653	62	319774	56.204	ug/l	98
43) Isopropyl Acetate	8.671	43	547001	53.588	ug/l	100
44) Trichloroethene	9.330	130	179417	50.918	ug/l	99
45) 1,2-Dichloropropane	9.600	63	207337	54.266	ug/l	90
46) Dibromomethane	9.688	93	149831	54.949	ug/l	99
47) Bromodichloromethane	9.865	83	306532	55.096	ug/l	97
48) Methyl methacrylate	9.659	41	261582	56.165	ug/l	98
49) 1,4-Dioxane	9.683	88	58417	986.284	ug/l #	95
51) 4-Methyl-2-Pentanone	10.424	43	1731736	287.825	ug/l	99
52) Toluene	10.606	92	482989	56.091	ug/l	100
53) t-1,3-Dichloropropene	10.818	75	311489	54.545	ug/l	98
54) cis-1,3-Dichloropropene	10.288	75	325884	54.264	ug/l	99
55) 1,1,2-Trichloroethane	10.994	97	184249	55.304	ug/l	97
56) Ethyl methacrylate	10.853	69	307145	58.365	ug/l	99
57) 1,3-Dichloropropane	11.141	76	329170	54.769	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	868763	286.350	ug/l	100
59) 2-Hexanone	11.177	43	1168000	308.163	ug/l	100
60) Dibromochloromethane	11.335	129	212771	56.023	ug/l	100
61) 1,2-Dibromoethane	11.447	107	183577	54.415	ug/l	98
64) Tetrachloroethene	11.082	164	159316	46.429	ug/l	99
65) Chlorobenzene	11.871	112	514223	52.890	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.935	131	177889	54.249	ug/l	100
67) Ethyl Benzene	11.941	91	929678	54.710	ug/l	99
68) m/p-Xylenes	12.047	106	701887	111.404	ug/l	98
69) o-Xylene	12.376	106	326692	54.389	ug/l	99
70) Styrene	12.388	104	561475	57.570	ug/l	99
71) Bromoform	12.553	173	134536	56.015	ug/l #	100
73) Isopropylbenzene	12.671	105	882498	53.342	ug/l	99
74) N-amyl acetate	12.500	43	312951m	55.544	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	268387	50.180	ug/l	98
76) 1,2,3-Trichloropropane	12.971	75	227597m	43.428	ug/l	
77) Bromobenzene	12.959	156	192503	50.855	ug/l	97
78) n-propylbenzene	13.012	91	1083588	53.538	ug/l	99
79) 2-Chlorotoluene	13.100	91	642071	51.949	ug/l	100
80) 1,3,5-Trimethylbenzene	13.147	105	739974	53.977	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.718	75	93662	50.702	ug/l #	99
82) 4-Chlorotoluene	13.200	91	670798	54.643	ug/l	99
83) tert-Butylbenzene	13.412	119	627520	53.847	ug/l	100
84) 1,2,4-Trimethylbenzene	13.459	105	746614	54.792	ug/l	98
85) sec-Butylbenzene	13.594	105	909070	54.299	ug/l	99
86) p-Isopropyltoluene	13.706	119	744747	54.248	ug/l	99
87) 1,3-Dichlorobenzene	13.706	146	378401	51.352	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	377571	48.916	ug/l	98
89) n-Butylbenzene	14.029	91	722571	54.208	ug/l	99
90) Hexachloroethane	14.312	117	137062	54.652	ug/l	99
91) 1,2-Dichlorobenzene	14.082	146	354519	51.126	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.694	75	66006	50.865	ug/l	95
93) 1,2,4-Trichlorobenzene	15.365	180	200440	48.649	ug/l	98
94) Hexachlorobutadiene	15.470	225	74466	50.296	ug/l	96
95) Naphthalene	15.612	128	723929	50.706	ug/l	99
96) 1,2,3-Trichlorobenzene	15.812	180	193342	48.218	ug/l	96

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

