

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121025\
 Data File : VN088514.D
 Acq On : 10 Dec 2025 19:59
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 11 02:16:10 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 :Mahesh Dadoda 12/11/2025
 Supervised By :Semsettin Yesilyurt 12/11/2025

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	248032	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	475472	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	442565	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	225391	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	283852	60.750	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 121.500%			
35) Dibromofluoromethane	8.147	113	181930	55.214	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.420%			
50) Toluene-d8	10.541	98	648407	52.888	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.780%			
62) 4-Bromofluorobenzene	12.823	95	238848	56.779	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 113.560%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.142	85	182870	49.087	ug/l	100
3) Chloromethane	2.383	50	202386	50.581	ug/l	98
4) Vinyl Chloride	2.536	62	204919	50.342	ug/l	100
5) Bromomethane	2.977	94	97769	49.904	ug/l	96
6) Chloroethane	3.142	64	135134	53.645	ug/l	100
7) Trichlorofluoromethane	3.512	101	299428	52.338	ug/l	95
8) Diethyl Ether	3.965	74	118450	55.162	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.371	101	154801	50.826	ug/l	99
10) Methyl Iodide	4.583	142	139944	46.415	ug/l	91
11) Tert butyl alcohol	5.518	59	185641	248.855	ug/l	98
12) 1,1-Dichloroethene	4.342	96	152974	50.553	ug/l	96
13) Acrolein	4.177	56	223439	312.858	ug/l	98
14) Allyl chloride	5.018	41	305593	54.485	ug/l	98
15) Acrylonitrile	5.706	53	624998	290.386	ug/l	99
16) Acetone	4.418	43	622457	368.363	ug/l	99
17) Carbon Disulfide	4.706	76	472366	47.770	ug/l	99
18) Methyl Acetate	5.018	43	335797	66.759	ug/l	98
19) Methyl tert-butyl Ether	5.783	73	679153	59.904	ug/l	95
20) Methylene Chloride	5.265	84	198036	54.777	ug/l	98
21) trans-1,2-Dichloroethene	5.777	96	179381	53.513	ug/l	95
22) Diisopropyl ether	6.659	45	733329	61.242	ug/l	98
23) Vinyl Acetate	6.588	43	3282780	340.273	ug/l	99
24) 1,1-Dichloroethane	6.553	63	392711	57.913	ug/l	99
25) 2-Butanone	7.471	43	896263	329.928	ug/l	97
26) 2,2-Dichloropropane	7.471	77	304534	52.029	ug/l	100
27) cis-1,2-Dichloroethene	7.471	96	219012	56.219	ug/l	97
28) Bromochloromethane	7.794	49	209521	62.025	ug/l	96
29) Tetrahydrofuran	7.824	42	589864	302.728	ug/l	99
30) Chloroform	7.947	83	404519	60.710	ug/l	97
31) Cyclohexane	8.241	56	289398	47.095	ug/l	99
32) 1,1,1-Trichloroethane	8.153	97	330605	56.431	ug/l	99
36) 1,1-Dichloropropene	8.353	75	253748	49.899	ug/l	100
37) Ethyl Acetate	7.547	43	380984	56.978	ug/l	99
38) Carbon Tetrachloride	8.341	117	268546	53.048	ug/l	97
39) Methylcyclohexane	9.582	83	244183	44.892	ug/l	91
40) Benzene	8.582	78	794373	53.224	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.759	41	192417	58.101	ug/l	97
42) 1,2-Dichloroethane	8.653	62	336150	59.032	ug/l	99
43) Isopropyl Acetate	8.671	43	574441	56.229	ug/l	99
44) Trichloroethene	9.329	130	169736	48.130	ug/l	98
45) 1,2-Dichloropropane	9.600	63	216131	56.520	ug/l	95
46) Dibromomethane	9.688	93	154691	56.684	ug/l	100
47) Bromodichloromethane	9.865	83	321183	57.681	ug/l	95
48) Methyl methacrylate	9.659	41	275745	59.156	ug/l	97
49) 1,4-Dioxane	9.677	88	56079	946.012	ug/l #	98
51) 4-Methyl-2-Pentanone	10.424	43	1839403	305.462	ug/l	99
52) Toluene	10.606	92	481701	55.894	ug/l	98
53) t-1,3-Dichloropropene	10.818	75	322918	56.498	ug/l	99
54) cis-1,3-Dichloropropene	10.288	75	335805	55.869	ug/l	95
55) 1,1,2-Trichloroethane	10.994	97	190489	57.129	ug/l	98
56) Ethyl methacrylate	10.853	69	321568	61.054	ug/l	99
57) 1,3-Dichloropropane	11.141	76	349494	58.101	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.135	63	932187	306.996	ug/l	100
59) 2-Hexanone	11.176	43	1220204	321.665	ug/l	100
60) Dibromochloromethane	11.335	129	222562	58.552	ug/l	99
61) 1,2-Dibromoethane	11.447	107	191567	56.735	ug/l	99
64) Tetrachloroethene	11.082	164	143914	41.019	ug/l	93
65) Chlorobenzene	11.870	112	511933	51.498	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.935	131	184666	55.078	ug/l	98
67) Ethyl Benzene	11.941	91	902618	51.950	ug/l	99
68) m/p-Xylenes	12.047	106	677889	105.231	ug/l	97
69) o-Xylene	12.376	106	325276	52.963	ug/l	98
70) Styrene	12.388	104	569776	57.137	ug/l	99
71) Bromoform	12.559	173	137347	55.929	ug/l #	100
73) Isopropylbenzene	12.670	105	829291	49.762	ug/l	99
74) N-amyl acetate	12.500	43	275947m	48.621	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.917	83	287620	53.386	ug/l	98
76) 1,2,3-Trichloropropane	12.970	75	280821m	53.195	ug/l	
77) Bromobenzene	12.959	156	195323	51.225	ug/l	94
78) n-propylbenzene	13.012	91	1015615	49.815	ug/l	99
79) 2-Chlorotoluene	13.100	91	622803	50.024	ug/l	100
80) 1,3,5-Trimethylbenzene	13.153	105	713383	51.659	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.717	75	91645	49.250	ug/l #	97
82) 4-Chlorotoluene	13.200	91	654423	52.922	ug/l	99
83) tert-Butylbenzene	13.412	119	570338	48.585	ug/l	98
84) 1,2,4-Trimethylbenzene	13.459	105	725381	52.848	ug/l	99
85) sec-Butylbenzene	13.594	105	811362	48.111	ug/l	99
86) p-Isopropyltoluene	13.706	119	674235	48.756	ug/l	99
87) 1,3-Dichlorobenzene	13.712	146	371328	50.026	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	377759	48.585	ug/l	97
89) n-Butylbenzene	14.029	91	627951	46.767	ug/l	100
90) Hexachloroethane	14.312	117	125429	49.650	ug/l	98
91) 1,2-Dichlorobenzene	14.082	146	358390	51.309	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.694	75	69301	53.017	ug/l	92
93) 1,2,4-Trichlorobenzene	15.364	180	188917	45.519	ug/l	97
94) Hexachlorobutadiene	15.470	225	61258	41.075	ug/l	98
95) Naphthalene	15.611	128	704209	48.966	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	184947	45.790	ug/l	97

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

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