

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103125\
 Data File : VN088176.D
 Acq On : 31 Oct 2025 10:40
 Operator : JC\MD
 Sample : VN1031MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1031MBS01

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/03/2025
 Supervised By :Semsettin Yesilyurt 11/03/2025

Quant Time: Nov 01 00:28:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 25 00:15:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	365900	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	658623	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	570292	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	276898	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	327493	51.760	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.520%			
35) Dibromofluoromethane	8.153	113	225706	51.011	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.020%			
50) Toluene-d8	10.547	98	853668	50.071	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.140%			
62) 4-Bromofluorobenzene	12.829	95	310429	51.557	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.120%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	76236	18.471	ug/l	94
3) Chloromethane	2.383	50	87306	17.980	ug/l	98
4) Vinyl Chloride	2.536	62	96770	18.291	ug/l	99
5) Bromomethane	2.983	94	55583	17.565	ug/l	99
6) Chloroethane	3.142	64	64268	16.860	ug/l	99
7) Trichlorofluoromethane	3.512	101	147083	17.430	ug/l	99
8) Diethyl Ether	3.965	74	59065	18.833	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.371	101	81739	18.772	ug/l	98
10) Methyl Iodide	4.589	142	67859	18.683	ug/l	96
11) Tert butyl alcohol	5.524	59	103331	94.796	ug/l #	82
12) 1,1-Dichloroethene	4.336	96	79759	17.343	ug/l	94
13) Acrolein	4.171	56	129219	105.390	ug/l	99
14) Allyl chloride	5.018	41	152475	18.915	ug/l	98
15) Acrylonitrile	5.706	53	289858	97.621	ug/l	100
16) Acetone	4.424	43	292059	91.880	ug/l	99
17) Carbon Disulfide	4.706	76	236099	16.888	ug/l	98
18) Methyl Acetate	5.012	43	133511	20.516	ug/l	98
19) Methyl tert-butyl Ether	5.783	73	334076	19.780	ug/l	96
20) Methylene Chloride	5.259	84	96023	19.881	ug/l	96
21) trans-1,2-Dichloroethene	5.771	96	90217	17.872	ug/l	95
22) Diisopropyl ether	6.659	45	337254	19.894	ug/l	99
23) Vinyl Acetate	6.588	43	1519591	99.511	ug/l	98
24) 1,1-Dichloroethane	6.553	63	182518	19.436	ug/l	99
25) 2-Butanone	7.471	43	412174	98.394	ug/l	99
26) 2,2-Dichloropropane	7.471	77	160576	18.817	ug/l	98
27) cis-1,2-Dichloroethene	7.471	96	105917	18.226	ug/l	90
28) Bromochloromethane	7.794	49	80331	18.104	ug/l	98
29) Tetrahydrofuran	7.824	42	252843	92.616	ug/l	98
30) Chloroform	7.947	83	183559	19.566	ug/l	98
31) Cyclohexane	8.235	56	168962	19.077	ug/l	94
32) 1,1,1-Trichloroethane	8.147	97	165303	19.784	ug/l	98
36) 1,1-Dichloropropene	8.353	75	132144	20.454	ug/l	99
37) Ethyl Acetate	7.547	43	163329	19.590	ug/l	98
38) Carbon Tetrachloride	8.341	117	136470	20.452	ug/l	92
39) Methylcyclohexane	9.582	83	148996	17.942	ug/l	98
40) Benzene	8.588	78	392192	19.933	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	84826	19.331	ug/l	96
42) 1,2-Dichloroethane	8.653	62	149103	21.328	ug/l	98
43) Isopropyl Acetate	8.677	43	262079	20.457	ug/l	99
44) Trichloroethene	9.335	130	90431	19.664	ug/l	99
45) 1,2-Dichloropropane	9.600	63	100141	20.160	ug/l	94
46) Dibromomethane	9.688	93	71318	20.131	ug/l	97
47) Bromodichloromethane	9.871	83	145036	20.448	ug/l	99
48) Methyl methacrylate	9.665	41	123141	20.820	ug/l	99
49) 1,4-Dioxane	9.676	88	30578	415.673	ug/l #	92
51) 4-Methyl-2-Pentanone	10.423	43	796743	105.127	ug/l	100
52) Toluene	10.606	92	238757	19.682	ug/l	99
53) t-1,3-Dichloropropene	10.818	75	154459	20.461	ug/l	96
54) cis-1,3-Dichloropropene	10.288	75	165605	20.674	ug/l	98
55) 1,1,2-Trichloroethane	10.994	97	90249	19.610	ug/l	97
56) Ethyl methacrylate	10.859	69	152199	20.898	ug/l	97
57) 1,3-Dichloropropane	11.141	76	162624	20.104	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.141	63	367462	96.998	ug/l	100
59) 2-Hexanone	11.176	43	525520	104.526	ug/l	96
60) Dibromochloromethane	11.335	129	102136	19.525	ug/l	98
61) 1,2-Dibromoethane	11.447	107	91944	19.412	ug/l	96
64) Tetrachloroethene	11.082	164	74655	19.846	ug/l	96
65) Chlorobenzene	11.870	112	258788	19.984	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.935	131	88152	20.778	ug/l	96
67) Ethyl Benzene	11.941	91	469748	20.666	ug/l	99
68) m/p-Xylenes	12.047	106	341537	40.102	ug/l	99
69) o-Xylene	12.376	106	167414	20.736	ug/l	99
70) Styrene	12.394	104	271968	20.658	ug/l	97
71) Bromoform	12.559	173	62373	19.700	ug/l #	100
73) Isopropylbenzene	12.676	105	441631	20.679	ug/l	100
74) N-amyl acetate	12.588	43	114579m	18.899	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.917	83	136061	20.464	ug/l	100
76) 1,2,3-Trichloropropane	12.970	75	120761m	19.075	ug/l	
77) Bromobenzene	12.959	156	98339	21.353	ug/l	98
78) n-propylbenzene	13.012	91	529965	20.335	ug/l	100
79) 2-Chlorotoluene	13.106	91	314234	21.142	ug/l	100
80) 1,3,5-Trimethylbenzene	13.153	105	359378	20.262	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.723	75	40878	18.012	ug/l	92
82) 4-Chlorotoluene	13.200	91	329263	20.476	ug/l	99
83) tert-Butylbenzene	13.412	119	308050	19.443	ug/l	99
84) 1,2,4-Trimethylbenzene	13.459	105	370707	20.890	ug/l	97
85) sec-Butylbenzene	13.594	105	442537	19.011	ug/l	99
86) p-Isopropyltoluene	13.706	119	361798	19.374	ug/l	99
87) 1,3-Dichlorobenzene	13.711	146	188929	20.550	ug/l	98
88) 1,4-Dichlorobenzene	13.788	146	194213	19.669	ug/l	98
89) n-Butylbenzene	14.035	91	340846	18.427	ug/l	97
90) Hexachloroethane	14.306	117	63074	17.442	ug/l	91
91) 1,2-Dichlorobenzene	14.082	146	176748	19.944	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.700	75	30844	19.931	ug/l	96
93) 1,2,4-Trichlorobenzene	15.370	180	101412	18.895	ug/l	99
94) Hexachlorobutadiene	15.470	225	35429	17.727	ug/l	96
95) Naphthalene	15.617	128	352616	19.178	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	94098	18.285	ug/l	98

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

