

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120925\
 Data File : VN088474.D
 Acq On : 09 Dec 2025 12:51
 Operator : JC\MD
 Sample : VN1209MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1209MBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/10/2025
 Supervised By : Mahesh Dadoda 12/11/2025

Quant Time: Dec 10 05:04:34 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

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

Internal Standards						
1) Pentafluorobenzene	8.200	168	227429	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.077	114	428540	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	382331	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.764	152	181539	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.553	65	249926	58.335	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 116.680%			
35) Dibromofluoromethane	8.147	113	164303	55.325	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.660%			
50) Toluene-d8	10.541	98	586278	53.058	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.120%			
62) 4-Bromofluorobenzene	12.823	95	200629	52.917	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.840%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	72820	21.317	ug/l	97
3) Chloromethane	2.383	50	79525	21.676	ug/l	98
4) Vinyl Chloride	2.542	62	75327	20.182	ug/l	97
5) Bromomethane	2.983	94	39084	21.757	ug/l	91
6) Chloroethane	3.148	64	49145	21.277	ug/l	96
7) Trichlorofluoromethane	3.518	101	114459	21.819	ug/l	89
8) Diethyl Ether	3.959	74	43812	22.252	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.377	101	61922	22.173	ug/l	99
10) Methyl Iodide	4.589	142	51139	18.498	ug/l	94
11) Tert butyl alcohol	5.500	59	60289	88.140	ug/l	97
12) 1,1-Dichloroethene	4.342	96	57475	20.714	ug/l	93
13) Acrolein	4.177	56	55735	85.109	ug/l	99
14) Allyl chloride	5.018	41	110312	21.450	ug/l	98
15) Acrylonitrile	5.706	53	219860	111.405	ug/l	98
16) Acetone	4.418	43	156637	101.093	ug/l	98
17) Carbon Disulfide	4.712	76	181506	20.018	ug/l	99
18) Methyl Acetate	5.018	43	106878	23.173	ug/l	98
19) Methyl tert-butyl Ether	5.783	73	234407	22.549	ug/l	100
20) Methylene Chloride	5.265	84	73684	22.227	ug/l	95
21) trans-1,2-Dichloroethene	5.783	96	65282	21.239	ug/l	89
22) Diisopropyl ether	6.647	45	255787	23.296	ug/l	89
23) Vinyl Acetate	6.588	43	988452m	111.739	ug/l	
24) 1,1-Dichloroethane	6.553	63	139641	22.458	ug/l	99
25) 2-Butanone	7.465	43	264652	106.248	ug/l	100
26) 2,2-Dichloropropane	7.471	77	123953	23.096	ug/l	99
27) cis-1,2-Dichloroethene	7.471	96	75785	21.216	ug/l	94
28) Bromochloromethane	7.794	49	65531	21.157	ug/l	99
29) Tetrahydrofuran	7.818	42	200635	112.297	ug/l	97
30) Chloroform	7.947	83	143040	23.412	ug/l	98
31) Cyclohexane	8.241	56	116187	20.620	ug/l	86
32) 1,1,1-Trichloroethane	8.147	97	121743	22.663	ug/l	95
36) 1,1-Dichloropropene	8.353	75	91060	19.868	ug/l	99
37) Ethyl Acetate	7.535	43	123362	20.470	ug/l	98
38) Carbon Tetrachloride	8.341	117	101531	22.253	ug/l	92
39) Methylcyclohexane	9.576	83	91447	18.653	ug/l	91
40) Benzene	8.582	78	287129	21.345	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.759	41	66730	22.356	ug/l	97
42) 1,2-Dichloroethane	8.647	62	122331	23.836	ug/l	100
43) Isopropyl Acetate	8.665	43	197354	21.434	ug/l	100
44) Trichloroethene	9.329	130	63588	20.006	ug/l	93
45) 1,2-Dichloropropane	9.600	63	78679	22.828	ug/l	97
46) Dibromomethane	9.688	93	54290	22.072	ug/l	98
47) Bromodichloromethane	9.865	83	114487	22.812	ug/l	94
48) Methyl methacrylate	9.659	41	89015	21.188	ug/l	96
49) 1,4-Dioxane	9.677	88	17737	331.979	ug/l #	96
51) 4-Methyl-2-Pentanone	10.424	43	613282	112.999	ug/l	100
52) Toluene	10.606	92	176214	22.686	ug/l	95
53) t-1,3-Dichloropropene	10.812	75	109477	21.252	ug/l	99
54) cis-1,3-Dichloropropene	10.288	75	121017	22.339	ug/l	98
55) 1,1,2-Trichloroethane	10.994	97	69411	23.097	ug/l	95
56) Ethyl methacrylate	10.853	69	104150	21.940	ug/l	98
57) 1,3-Dichloropropane	11.135	76	120063	22.146	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.135	63	263107	96.138	ug/l	98
59) 2-Hexanone	11.176	43	372869	109.059	ug/l	99
60) Dibromochloromethane	11.335	129	75614	22.071	ug/l	97
61) 1,2-Dibromoethane	11.441	107	67506	22.182	ug/l	98
64) Tetrachloroethene	11.076	164	54571	18.004	ug/l	95
65) Chlorobenzene	11.870	112	184465	21.480	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.935	131	65424	22.588	ug/l	99
67) Ethyl Benzene	11.941	91	305919	20.381	ug/l	99
68) m/p-Xylenes	12.047	106	230653	41.446	ug/l	97
69) o-Xylene	12.376	106	105705	19.923	ug/l	97
70) Styrene	12.388	104	187751	21.794	ug/l	99
71) Bromoform	12.559	173	47080	22.192	ug/l #	99
73) Isopropylbenzene	12.670	105	276195	20.577	ug/l	99
74) N-amyl acetate	12.682	43	97633m	21.358	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.912	83	100971	23.269	ug/l	98
76) 1,2,3-Trichloropropane	12.970	75	93516m	21.994	ug/l	
77) Bromobenzene	12.959	156	66985	21.811	ug/l	99
78) n-propylbenzene	13.012	91	341734	20.811	ug/l	98
79) 2-Chlorotoluene	13.100	91	210593	21.001	ug/l	98
80) 1,3,5-Trimethylbenzene	13.147	105	233042	20.952	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.717	75	32852	21.919	ug/l #	93
82) 4-Chlorotoluene	13.200	91	222207	22.310	ug/l	98
83) tert-Butylbenzene	13.412	119	178966	18.928	ug/l	96
84) 1,2,4-Trimethylbenzene	13.459	105	234343	21.197	ug/l	98
85) sec-Butylbenzene	13.588	105	264546	19.476	ug/l	99
86) p-Isopropyltoluene	13.706	119	215804	19.375	ug/l	98
87) 1,3-Dichlorobenzene	13.712	146	128185	21.441	ug/l	98
88) 1,4-Dichlorobenzene	13.788	146	130926	20.907	ug/l	99
89) n-Butylbenzene	14.029	91	203585	18.825	ug/l	99
90) Hexachloroethane	14.306	117	39972	19.645	ug/l	100
91) 1,2-Dichlorobenzene	14.082	146	120055	21.339	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.700	75	20221	19.206	ug/l	97
93) 1,2,4-Trichlorobenzene	15.364	180	61831	18.497	ug/l	99
94) Hexachlorobutadiene	15.470	225	21136	17.595	ug/l	96
95) Naphthalene	15.611	128	211703	18.276	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	59555	18.306	ug/l	98

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

