

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070825\
 Data File : VN087298.D
 Acq On : 08 Jul 2025 14:39
 Operator : JC\MD
 Sample : VN0708MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0708MBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/09/2025
 Supervised By : Mahesh Dadoda 07/09/2025

Quant Time: Jul 09 01:31:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:15:00 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	230007	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	371724	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	351878	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	198260	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	143688	49.776	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.560%		
35) Dibromofluoromethane	8.171	113	127005	53.360	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	106.720%		
50) Toluene-d8	10.565	98	471767	50.851	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.700%		
62) 4-Bromofluorobenzene	12.847	95	167706	50.805	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	101.600%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.153	85	47552	21.244	ug/l	99
3) Chloromethane	2.401	50	37403	20.578	ug/l	99
4) Vinyl Chloride	2.553	62	46688	20.893	ug/l	97
5) Bromomethane	2.995	94	41984	20.589	ug/l	99
6) Chloroethane	3.159	64	37193	21.013	ug/l	95
7) Trichlorofluoromethane	3.524	101	77801	20.065	ug/l	97
8) Diethyl Ether	3.994	74	25020	20.219	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.400	101	45341	20.140	ug/l	98
10) Methyl Iodide	4.612	142	48015	21.494	ug/l	93
11) Tert butyl alcohol	5.536	59	51973	98.789	ug/l #	87
12) 1,1-Dichloroethene	4.371	96	42311	19.783	ug/l	91
13) Acrolein	4.200	56	27695	76.005	ug/l	99
14) Allyl chloride	5.047	41	48093	18.348	ug/l	99
15) Acrylonitrile	5.736	53	127131	97.064	ug/l	96
16) Acetone	4.447	43	114670	103.902	ug/l	98
17) Carbon Disulfide	4.742	76	115945	18.069	ug/l	100
18) Methyl Acetate	5.047	43	54427	21.542	ug/l	99
19) Methyl tert-butyl Ether	5.812	73	139608	18.625	ug/l	97
20) Methylene Chloride	5.300	84	47876	19.583	ug/l #	95
21) trans-1,2-Dichloroethene	5.806	96	48028	18.584	ug/l	96
22) Diisopropyl ether	6.683	45	113609	18.103	ug/l #	96
23) Vinyl Acetate	6.618	43	511025	88.048	ug/l	99
24) 1,1-Dichloroethane	6.583	63	77788	18.918	ug/l	99
25) 2-Butanone	7.494	43	165573	96.000	ug/l	97
26) 2,2-Dichloropropane	7.494	77	76843	19.530	ug/l	98
27) cis-1,2-Dichloroethene	7.494	96	56774	19.023	ug/l	97
28) Bromochloromethane	7.818	49	37210	20.503	ug/l	93
29) Tetrahydrofuran	7.853	42	106591	95.907	ug/l	99
30) Chloroform	7.977	83	90136	19.778	ug/l	95
31) Cyclohexane	8.265	56	67902	17.272	ug/l	92
32) 1,1,1-Trichloroethane	8.177	97	84208	19.840	ug/l	96
36) 1,1-Dichloropropene	8.377	75	62479	19.303	ug/l	97
37) Ethyl Acetate	7.571	43	66575	19.134	ug/l	100
38) Carbon Tetrachloride	8.365	117	75143	20.488	ug/l	98
39) Methylcyclohexane	9.606	83	68470	17.763	ug/l	99
40) Benzene	8.612	78	191179	19.065	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	31249	18.783	ug/l	99
42) 1,2-Dichloroethane	8.677	62	65979	19.785	ug/l	100
43) Isopropyl Acetate	8.694	43	99552	18.449	ug/l	99
44) Trichloroethene	9.359	130	52695	19.776	ug/l	100
45) 1,2-Dichloropropane	9.624	63	42825	19.587	ug/l	97
46) Dibromomethane	9.712	93	36341	19.538	ug/l	96
47) Bromodichloromethane	9.888	83	71079	20.037	ug/l	96
48) Methyl methacrylate	9.682	41	41407	18.207	ug/l	98
49) 1,4-Dioxane	9.700	88	19371	418.827	ug/l #	92
51) 4-Methyl-2-Pentanone	10.447	43	315163	95.459	ug/l	97
52) Toluene	10.629	92	128840	19.591	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	72617	19.086	ug/l	96
54) cis-1,3-Dichloropropene	10.312	75	74106	19.117	ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	49612	19.970	ug/l	97
56) Ethyl methacrylate	10.882	69	60605	16.651	ug/l	96
57) 1,3-Dichloropropane	11.165	76	78909	19.461	ug/l	96
58) 2-Chloroethyl Vinyl ether	10.159	63	160138	83.247	ug/l	100
59) 2-Hexanone	11.206	43	177595	75.096	ug/l	100
60) Dibromochloromethane	11.359	129	59660	20.372	ug/l	98
61) 1,2-Dibromoethane	11.470	107	54022	20.215	ug/l	99
64) Tetrachloroethene	11.100	164	47239	20.135	ug/l	96
65) Chlorobenzene	11.888	112	153683	19.464	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	54458	19.975	ug/l	98
67) Ethyl Benzene	11.965	91	231619	18.129	ug/l	99
68) m/p-Xylenes	12.070	106	192599	37.731	ug/l	97
69) o-Xylene	12.394	106	89452	18.733	ug/l	97
70) Styrene	12.412	104	155102	19.113	ug/l	100
71) Bromoform	12.576	173	43014	20.450	ug/l #	98
73) Isopropylbenzene	12.694	105	223822	17.521	ug/l	98
74) N-amyl acetate	12.535	43	69653m	16.580	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.935	83	78807	18.755	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	75311m	19.971	ug/l	
77) Bromobenzene	12.982	156	64032	19.202	ug/l	98
78) n-propylbenzene	13.035	91	275424	17.849	ug/l	98
79) 2-Chlorotoluene	13.123	91	162694	17.716	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	199296	18.664	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	25517	15.894	ug/l	92
82) 4-Chlorotoluene	13.217	91	176024	18.310	ug/l	100
83) tert-Butylbenzene	13.435	119	167441	17.898	ug/l	99
84) 1,2,4-Trimethylbenzene	13.476	105	197362	18.451	ug/l	99
85) sec-Butylbenzene	13.612	105	236725	17.852	ug/l	99
86) p-Isopropyltoluene	13.723	119	208358	18.280	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	125931	18.963	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	125976	18.167	ug/l	96
89) n-Butylbenzene	14.053	91	175501	17.488	ug/l	98
90) Hexachloroethane	14.329	117	40372	19.135	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	117646	18.942	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	18812	18.630	ug/l	95
93) 1,2,4-Trichlorobenzene	15.388	180	65974	17.963	ug/l	99
94) Hexachlorobutadiene	15.494	225	20694	17.737	ug/l	98
95) Naphthalene	15.635	128	214778	16.902	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	65680	18.356	ug/l	100

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

