

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062025\
 Data File : VN087139.D
 Acq On : 20 Jun 2025 15:08
 Operator : JC\MD
 Sample : VN0620MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0620MBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/23/2025
 Supervised By : Mahesh Dadoda 06/23/2025

Quant Time: Jun 20 23:07:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.229	168	141546	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	267175	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	253348	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	120473	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	98971	52.223	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.440%			
35) Dibromofluoromethane	8.171	113	81586	51.528	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.060%			
50) Toluene-d8	10.565	98	336398	53.669	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.340%			
62) 4-Bromofluorobenzene	12.847	95	127553	54.773	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 109.540%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.153	85	28924	20.495	ug/l	97
3) Chloromethane	2.400	50	31457	17.261	ug/l	95
4) Vinyl Chloride	2.553	62	40268	21.420	ug/l	96
5) Bromomethane	3.000	94	23122	21.978	ug/l	91
6) Chloroethane	3.159	64	23707	19.523	ug/l	95
7) Trichlorofluoromethane	3.530	101	46583	18.965	ug/l	94
8) Diethyl Ether	3.989	74	23396	21.862	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.406	101	33460	21.683	ug/l	97
10) Methyl Iodide	4.618	142	25515	12.755	ug/l	98
11) Tert butyl alcohol	5.535	59	44624	86.778	ug/l #	84
12) 1,1-Dichloroethene	4.371	96	35019	22.228	ug/l	95
13) Acrolein	4.200	56	20184	124.002	ug/l	97
14) Allyl chloride	5.047	41	49252	18.850	ug/l	95
15) Acrylonitrile	5.735	53	118888	98.914	ug/l	99
16) Acetone	4.447	43	87575	87.138	ug/l	94
17) Carbon Disulfide	4.736	76	93047	21.352	ug/l	97
18) Methyl Acetate	5.047	43	50356	17.194	ug/l	96
19) Methyl tert-butyl Ether	5.812	73	121132	21.235	ug/l	95
20) Methylene Chloride	5.300	84	39744	21.123	ug/l	90
21) trans-1,2-Dichloroethene	5.806	96	37197	21.221	ug/l	98
22) Diisopropyl ether	6.677	45	97780	17.754	ug/l	91
23) Vinyl Acetate	6.618	43	431690	92.771	ug/l	97
24) 1,1-Dichloroethane	6.582	63	60714	19.156	ug/l	97
25) 2-Butanone	7.488	43	127034	77.763	ug/l	96
26) 2,2-Dichloropropane	7.494	77	47083	19.097	ug/l	98
27) cis-1,2-Dichloroethene	7.494	96	38949	18.580	ug/l	97
28) Bromochloromethane	7.818	49	29472	18.912	ug/l	93
29) Tetrahydrofuran	7.847	42	86144	80.949	ug/l	94
30) Chloroform	7.971	83	61223	19.342	ug/l	97
31) Cyclohexane	8.265	56	55015	17.898	ug/l	95
32) 1,1,1-Trichloroethane	8.171	97	51521	19.138	ug/l	94
36) 1,1-Dichloropropene	8.382	75	46890	19.874	ug/l	99
37) Ethyl Acetate	7.571	43	46117	15.355	ug/l	99
38) Carbon Tetrachloride	8.365	117	45964	19.844	ug/l	98
39) Methylcyclohexane	9.606	83	49078	15.183	ug/l	96
40) Benzene	8.612	78	138264	17.921	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	27287	16.177	ug/l	94
42) 1,2-Dichloroethane	8.676	62	44479	19.008	ug/l	99
43) Isopropyl Acetate	8.688	43	81100	16.824	ug/l	97
44) Trichloroethene	9.353	130	29140	15.929	ug/l	98
45) 1,2-Dichloropropane	9.623	63	34241	18.243	ug/l	99
46) Dibromomethane	9.712	93	25258	20.260	ug/l	99
47) Bromodichloromethane	9.882	83	46880	18.276	ug/l	97
48) Methyl methacrylate	9.682	41	34182	15.406	ug/l	93
49) 1,4-Dioxane	9.700	88	12595	312.039	ug/l #	98
51) 4-Methyl-2-Pentanone	10.447	43	258850	89.197	ug/l	98
52) Toluene	10.629	92	95617	20.280	ug/l	97
53) t-1,3-Dichloropropene	10.835	75	54585	19.031	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	60902	19.844	ug/l	99
55) 1,1,2-Trichloroethane	11.018	97	34326	18.921	ug/l	94
56) Ethyl methacrylate	10.882	69	53460	18.501	ug/l	95
57) 1,3-Dichloropropane	11.165	76	63674	20.232	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	167925	97.432	ug/l	99
59) 2-Hexanone	11.206	43	144866	77.498	ug/l	91
60) Dibromochloromethane	11.359	129	38430	20.331	ug/l	99
61) 1,2-Dibromoethane	11.470	107	36313	19.528	ug/l	97
64) Tetrachloroethene	11.100	164	28655	17.872	ug/l	97
65) Chlorobenzene	11.888	112	104117	18.633	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	34477	19.195	ug/l	98
67) Ethyl Benzene	11.959	91	174021	18.081	ug/l	98
68) m/p-Xylenes	12.070	106	137145	37.224	ug/l	97
69) o-Xylene	12.394	106	66494	18.844	ug/l	95
70) Styrene	12.412	104	112700	18.665	ug/l	99
71) Bromoform	12.576	173	25930	19.484	ug/l #	100
73) Isopropylbenzene	12.694	105	157872	17.988	ug/l	99
74) N-amyl acetate	12.547	43	55839m	18.207	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.935	83	59507	20.014	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	54723m	19.109	ug/l	
77) Bromobenzene	12.970	156	37618	18.690	ug/l	93
78) n-propylbenzene	13.035	91	189344	17.752	ug/l	98
79) 2-Chlorotoluene	13.123	91	116577	18.225	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	133294	18.395	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	19846	15.953	ug/l	99
82) 4-Chlorotoluene	13.217	91	120665	18.644	ug/l	99
83) tert-Butylbenzene	13.435	119	90570	13.655	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	111007	15.277	ug/l	100
85) sec-Butylbenzene	13.611	105	146908	15.251	ug/l	100
86) p-Isopropyltoluene	13.729	119	126915	15.939	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	72561	18.323	ug/l	99
88) 1,4-Dichlorobenzene	13.811	146	74176	18.372	ug/l	97
89) n-Butylbenzene	14.053	91	115051	14.917	ug/l	99
90) Hexachloroethane	14.335	117	23371	17.316	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	74259	19.518	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	11709	16.467	ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	40899	16.834	ug/l	96
94) Hexachlorobutadiene	15.494	225	12686	14.015	ug/l	96
95) Naphthalene	15.635	128	161892	17.903	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	40748	16.881	ug/l	100

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

