

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070825\
 Data File : VN087299.D
 Acq On : 08 Jul 2025 15:15
 Operator : JC\MD
 Sample : VN0708MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 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 01:32:50 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	227668	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	369006	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	353486	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	196193	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	150077	52.523	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.040%			
35) Dibromofluoromethane	8.177	113	124645	52.754	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.500%			
50) Toluene-d8	10.565	98	470560	51.094	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.180%			
62) 4-Bromofluorobenzene	12.847	95	169326	51.673	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.340%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.153	85	42762	19.300	ug/l	94
3) Chloromethane	2.395	50	35069	19.493	ug/l	92
4) Vinyl Chloride	2.553	62	44598	20.163	ug/l	98
5) Bromomethane	2.995	94	40978	20.302	ug/l	97
6) Chloroethane	3.159	64	36162	20.640	ug/l	97
7) Trichlorofluoromethane	3.530	101	75353	19.633	ug/l	98
8) Diethyl Ether	3.989	74	25794	21.059	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.406	101	44671	20.047	ug/l	98
10) Methyl Iodide	4.618	142	50080	22.649	ug/l	96
11) Tert butyl alcohol	5.536	59	54368	104.403	ug/l	99
12) 1,1-Dichloroethene	4.365	96	39843	18.821	ug/l	98
13) Acrolein	4.200	56	29853	82.769	ug/l	99
14) Allyl chloride	5.053	41	45439	17.514	ug/l	95
15) Acrylonitrile	5.741	53	126864	97.855	ug/l	99
16) Acetone	4.447	43	115529	105.756	ug/l	98
17) Carbon Disulfide	4.736	76	111836	17.608	ug/l	96
18) Methyl Acetate	5.047	43	52475	20.983	ug/l	99
19) Methyl tert-butyl Ether	5.818	73	145914	19.667	ug/l	94
20) Methylene Chloride	5.306	84	50498	20.867	ug/l	91
21) trans-1,2-Dichloroethene	5.806	96	47023	18.382	ug/l	98
22) Diisopropyl ether	6.683	45	118517	19.079	ug/l	95
23) Vinyl Acetate	6.618	43	542004	94.345	ug/l	98
24) 1,1-Dichloroethane	6.583	63	78795	19.360	ug/l	98
25) 2-Butanone	7.494	43	176953	103.652	ug/l	94
26) 2,2-Dichloropropane	7.500	77	73518	18.877	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	55674	18.846	ug/l	98
28) Bromochloromethane	7.824	49	37576	20.917	ug/l	94
29) Tetrahydrofuran	7.847	42	111649	101.490	ug/l	99
30) Chloroform	7.971	83	91862	20.363	ug/l	95
31) Cyclohexane	8.265	56	66954	17.206	ug/l	96
32) 1,1,1-Trichloroethane	8.177	97	81116	19.308	ug/l	95
36) 1,1-Dichloropropene	8.377	75	58721	18.275	ug/l	99
37) Ethyl Acetate	7.565	43	66794	19.338	ug/l	98
38) Carbon Tetrachloride	8.371	117	73027	20.058	ug/l	93
39) Methylcyclohexane	9.606	83	68134	17.806	ug/l	98
40) Benzene	8.612	78	188444	18.931	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	33028	19.999	ug/l	96
42) 1,2-Dichloroethane	8.677	62	68239	20.613	ug/l	99
43) Isopropyl Acetate	8.694	43	102864	19.203	ug/l	98
44) Trichloroethene	9.359	130	51318	19.401	ug/l	91
45) 1,2-Dichloropropane	9.618	63	43087	19.852	ug/l	100
46) Dibromomethane	9.712	93	38590	20.900	ug/l	99
47) Bromodichloromethane	9.888	83	73959	21.003	ug/l	99
48) Methyl methacrylate	9.682	41	43733	19.371	ug/l	98
49) 1,4-Dioxane	9.700	88	19906	432.976	ug/l #	93
51) 4-Methyl-2-Pentanone	10.447	43	335141	102.258	ug/l	97
52) Toluene	10.629	92	127122	19.472	ug/l	100
53) t-1,3-Dichloropropene	10.841	75	74615	19.755	ug/l	95
54) cis-1,3-Dichloropropene	10.312	75	76581	19.900	ug/l	95
55) 1,1,2-Trichloroethane	11.018	97	53590	21.730	ug/l	97
56) Ethyl methacrylate	10.882	69	63562	17.592	ug/l	99
57) 1,3-Dichloropropane	11.165	76	80169	19.917	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	164088	85.928	ug/l	99
59) 2-Hexanone	11.206	43	192157	81.852	ug/l	100
60) Dibromochloromethane	11.359	129	61293	21.083	ug/l	99
61) 1,2-Dibromoethane	11.470	107	55167	20.796	ug/l	100
64) Tetrachloroethene	11.100	164	45697	19.389	ug/l	98
65) Chlorobenzene	11.888	112	155210	19.568	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	55293	20.189	ug/l	98
67) Ethyl Benzene	11.965	91	231975	18.074	ug/l	98
68) m/p-Xylenes	12.070	106	194964	38.020	ug/l	96
69) o-Xylene	12.394	106	91580	19.092	ug/l	95
70) Styrene	12.412	104	154409	18.941	ug/l	98
71) Bromoform	12.576	173	45627	21.594	ug/l #	95
73) Isopropylbenzene	12.694	105	231831	18.339	ug/l	99
74) N-amyl acetate	12.535	43	73250m	17.620	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.935	83	81246	19.539	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	71125m	19.059	ug/l	
77) Bromobenzene	12.976	156	64761	19.625	ug/l	97
78) n-propylbenzene	13.035	91	276583	18.113	ug/l	99
79) 2-Chlorotoluene	13.123	91	165570	18.219	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	198043	18.742	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	28705	18.068	ug/l	95
82) 4-Chlorotoluene	13.217	91	174617	18.355	ug/l	100
83) tert-Butylbenzene	13.435	119	167797	18.125	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	198240	18.729	ug/l	98
85) sec-Butylbenzene	13.612	105	240642	18.338	ug/l	99
86) p-Isopropyltoluene	13.729	119	210445	18.657	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	127421	19.389	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	130221	18.977	ug/l	99
89) n-Butylbenzene	14.053	91	180665	18.192	ug/l	98
90) Hexachloroethane	14.329	117	39113	18.734	ug/l	96
91) 1,2-Dichlorobenzene	14.106	146	123768	20.138	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.717	75	19017	19.031	ug/l	99
93) 1,2,4-Trichlorobenzene	15.394	180	66934	18.416	ug/l	98
94) Hexachlorobutadiene	15.500	225	21345	18.488	ug/l	97
95) Naphthalene	15.635	128	233573	18.575	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	67383	19.030	ug/l	98

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

