

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111225\
 Data File : VN088269.D
 Acq On : 12 Nov 2025 12:32
 Operator : JC\MD
 Sample : VN1112MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112MBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/14/2025
 Supervised By : Semsettin Yesilyurt 11/14/2025

Quant Time: Nov 14 00:10:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 03 01:16:06 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	249191	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	450089	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	407016	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	204713	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	224125	52.013	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.020%			
35) Dibromofluoromethane	8.147	113	152495	50.433	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.860%			
50) Toluene-d8	10.547	98	539610	46.315	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.620%			
62) 4-Bromofluorobenzene	12.829	95	193302	46.979	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 93.960%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	51875	18.455	ug/l	95
3) Chloromethane	2.383	50	65034	19.666	ug/l	93
4) Vinyl Chloride	2.536	62	67143	18.635	ug/l	98
5) Bromomethane	2.977	94	41205	19.120	ug/l	94
6) Chloroethane	3.142	64	45199	17.411	ug/l	99
7) Trichlorofluoromethane	3.512	101	107264	18.665	ug/l	94
8) Diethyl Ether	3.965	74	40966	19.180	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.371	101	58182	19.620	ug/l	98
10) Methyl Iodide	4.589	142	54699	20.183	ug/l	95
11) Tert butyl alcohol	5.518	59	79381	106.932	ug/l	97
12) 1,1-Dichloroethene	4.336	96	56063	17.900	ug/l	94
13) Acrolein	4.177	56	58529	70.093	ug/l	100
14) Allyl chloride	5.012	41	108310	19.729	ug/l	98
15) Acrylonitrile	5.712	53	231211	114.340	ug/l	99
16) Acetone	4.424	43	232781	107.530	ug/l	96
17) Carbon Disulfide	4.706	76	168809	17.730	ug/l #	94
18) Methyl Acetate	5.012	43	110658	24.969	ug/l	99
19) Methyl tert-butyl Ether	5.783	73	242429	21.076	ug/l	98
20) Methylene Chloride	5.265	84	75497	20.776	ug/l	93
21) trans-1,2-Dichloroethene	5.771	96	65479	19.046	ug/l	97
22) Diisopropyl ether	6.659	45	250514	21.698	ug/l #	96
23) Vinyl Acetate	6.588	43	1139178	109.539	ug/l	98
24) 1,1-Dichloroethane	6.553	63	136878	21.403	ug/l	98
25) 2-Butanone	7.465	43	324070	113.594	ug/l	97
26) 2,2-Dichloropropane	7.471	77	115957	19.952	ug/l	100
27) cis-1,2-Dichloroethene	7.471	96	79764	20.154	ug/l	94
28) Bromochloromethane	7.794	49	69120	22.874	ug/l	99
29) Tetrahydrofuran	7.824	42	206848	111.254	ug/l	97
30) Chloroform	7.947	83	137281	21.487	ug/l	98
31) Cyclohexane	8.241	56	115414	19.134	ug/l	98
32) 1,1,1-Trichloroethane	8.147	97	120049	21.097	ug/l	94
36) 1,1-Dichloropropene	8.353	75	91581	20.743	ug/l	100
37) Ethyl Acetate	7.547	43	129617	22.750	ug/l	96
38) Carbon Tetrachloride	8.341	117	100450	22.029	ug/l	96
39) Methylcyclohexane	9.582	83	100937	17.787	ug/l	95
40) Benzene	8.582	78	286199	21.286	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.759	41	65370	21.800	ug/l	96
42) 1,2-Dichloroethane	8.653	62	116815	24.451	ug/l	99
43) Isopropyl Acetate	8.671	43	199299	22.765	ug/l	98
44) Trichloroethene	9.335	130	65534	20.852	ug/l	93
45) 1,2-Dichloropropane	9.600	63	76890	22.652	ug/l	99
46) Dibromomethane	9.688	93	54896	22.675	ug/l	98
47) Bromodichloromethane	9.865	83	112462	23.202	ug/l	96
48) Methyl methacrylate	9.659	41	93764	23.198	ug/l	96
49) 1,4-Dioxane	9.682	88	25031	497.920	ug/l #	92
51) 4-Methyl-2-Pentanone	10.424	43	631919	122.010	ug/l	99
52) Toluene	10.606	92	172886	20.855	ug/l	98
53) t-1,3-Dichloropropene	10.812	75	110358	21.392	ug/l	100
54) cis-1,3-Dichloropropene	10.294	75	120380	21.990	ug/l	97
55) 1,1,2-Trichloroethane	10.994	97	70003	22.258	ug/l	98
56) Ethyl methacrylate	10.859	69	110150	22.131	ug/l	98
57) 1,3-Dichloropropane	11.141	76	127231	23.015	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	277125	107.045	ug/l	99
59) 2-Hexanone	11.176	43	410151	119.377	ug/l	100
60) Dibromochloromethane	11.335	129	79277	22.177	ug/l	99
61) 1,2-Dibromoethane	11.447	107	69809	21.567	ug/l	97
64) Tetrachloroethene	11.082	164	52899	19.704	ug/l	96
65) Chlorobenzene	11.871	112	187668	20.306	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.941	131	66982	22.122	ug/l	99
67) Ethyl Benzene	11.941	91	320999	19.787	ug/l	99
68) m/p-Xylenes	12.047	106	238194	39.187	ug/l	98
69) o-Xylene	12.376	106	117153	20.332	ug/l	99
70) Styrene	12.388	104	196398	20.902	ug/l	98
71) Bromoform	12.559	173	49014	21.691	ug/l #	97
73) Isopropylbenzene	12.676	105	303025	19.192	ug/l	100
74) N-amyl acetate	12.547	43	10067	2.246	ug/l #	61
75) 1,1,2,2-Tetrachloroethane	12.917	83	111958	22.776	ug/l	98
76) 1,2,3-Trichloropropane	12.976	75	93916m	20.066	ug/l	
77) Bromobenzene	12.959	156	69827	20.509	ug/l	95
78) n-propylbenzene	13.012	91	375733	19.500	ug/l	99
79) 2-Chlorotoluene	13.100	91	225792	20.549	ug/l	98
80) 1,3,5-Trimethylbenzene	13.153	105	253116	19.303	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.717	75	33088	19.721	ug/l	89
82) 4-Chlorotoluene	13.200	91	235581	19.816	ug/l	99
83) tert-Butylbenzene	13.417	119	216537	18.486	ug/l	97
84) 1,2,4-Trimethylbenzene	13.459	105	264463	20.158	ug/l	98
85) sec-Butylbenzene	13.594	105	321332	18.671	ug/l	99
86) p-Isopropyltoluene	13.706	119	268636	19.458	ug/l	99
87) 1,3-Dichlorobenzene	13.712	146	140440	20.663	ug/l	98
88) 1,4-Dichlorobenzene	13.788	146	143659	19.679	ug/l	99
89) n-Butylbenzene	14.035	91	256915	18.787	ug/l	99
90) Hexachloroethane	14.312	117	51160	19.136	ug/l	92
91) 1,2-Dichlorobenzene	14.082	146	135117	20.623	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	23151	20.235	ug/l	98
93) 1,2,4-Trichlorobenzene	15.370	180	76442	19.265	ug/l	99
94) Hexachlorobutadiene	15.476	225	30427	20.592	ug/l	98
95) Naphthalene	15.617	128	258704	19.032	ug/l	99
96) 1,2,3-Trichlorobenzene	15.817	180	72647	19.095	ug/l	98

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

