

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111225\
 Data File : VN088268.D
 Acq On : 12 Nov 2025 11:59
 Operator : JC\MD
 Sample : VN1112MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 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 00:10:01 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	253584	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	472283	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	414342	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	213572	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	227084	51.787	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.580%			
35) Dibromofluoromethane	8.147	113	156312	49.266	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.540%			
50) Toluene-d8	10.547	98	562442	46.006	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.020%			
62) 4-Bromofluorobenzene	12.829	95	202102	46.809	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 93.620%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	56216	19.653	ug/l	96
3) Chloromethane	2.383	50	67169	19.960	ug/l	99
4) Vinyl Chloride	2.536	62	72316	19.723	ug/l	98
5) Bromomethane	2.977	94	41950	19.128	ug/l	92
6) Chloroethane	3.142	64	48979	18.540	ug/l	95
7) Trichlorofluoromethane	3.512	101	113093	19.338	ug/l	94
8) Diethyl Ether	3.965	74	43382	19.960	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.365	101	60380	20.009	ug/l	97
10) Methyl Iodide	4.583	142	58768	21.309	ug/l	98
11) Tert butyl alcohol	5.518	59	74483	98.596	ug/l	97
12) 1,1-Dichloroethene	4.341	96	60274	18.911	ug/l	98
13) Acrolein	4.177	56	56016	65.922	ug/l	98
14) Allyl chloride	5.012	41	110350	19.753	ug/l	98
15) Acrylonitrile	5.712	53	232695	113.080	ug/l	98
16) Acetone	4.424	43	234211	106.316	ug/l	96
17) Carbon Disulfide	4.700	76	177372	18.307	ug/l	96
18) Methyl Acetate	5.018	43	110269	24.450	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	246274	21.040	ug/l	98
20) Methylene Chloride	5.259	84	76267	20.624	ug/l	92
21) trans-1,2-Dichloroethene	5.777	96	70944	20.278	ug/l	95
22) Diisopropyl ether	6.653	45	260555	22.177	ug/l	97
23) Vinyl Acetate	6.588	43	115554	109.188	ug/l	97
24) 1,1-Dichloroethane	6.553	63	144865	22.259	ug/l	97
25) 2-Butanone	7.471	43	320996	110.567	ug/l	98
26) 2,2-Dichloropropane	7.471	77	122104	20.646	ug/l	98
27) cis-1,2-Dichloroethene	7.471	96	82357	20.448	ug/l	94
28) Bromochloromethane	7.788	49	71286	23.182	ug/l	95
29) Tetrahydrofuran	7.824	42	203724	107.676	ug/l	98
30) Chloroform	7.947	83	144761	22.265	ug/l	99
31) Cyclohexane	8.235	56	119980	19.547	ug/l	97
32) 1,1,1-Trichloroethane	8.153	97	124259	21.458	ug/l	95
36) 1,1-Dichloropropene	8.353	75	97755	21.101	ug/l	99
37) Ethyl Acetate	7.547	43	132339	22.136	ug/l	99
38) Carbon Tetrachloride	8.341	117	103673	21.667	ug/l	96
39) Methylcyclohexane	9.582	83	105791	17.766	ug/l	96
40) Benzene	8.582	78	295441	20.940	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.759	41	66512	21.138	ug/l	96
42) 1,2-Dichloroethane	8.653	62	120038	23.945	ug/l	98
43) Isopropyl Acetate	8.671	43	197165	21.462	ug/l	98
44) Trichloroethene	9.335	130	69430	21.054	ug/l	96
45) 1,2-Dichloropropane	9.600	63	79518	22.325	ug/l	97
46) Dibromomethane	9.688	93	57119	22.485	ug/l	97
47) Bromodichloromethane	9.865	83	116383	22.883	ug/l	96
48) Methyl methacrylate	9.659	41	95012	22.402	ug/l	97
49) 1,4-Dioxane	9.682	88	21619	409.839	ug/l #	89
51) 4-Methyl-2-Pentanone	10.423	43	637244	117.256	ug/l	98
52) Toluene	10.606	92	179816	20.672	ug/l	98
53) t-1,3-Dichloropropene	10.818	75	116790	21.575	ug/l	100
54) cis-1,3-Dichloropropene	10.294	75	125667	21.878	ug/l	97
55) 1,1,2-Trichloroethane	10.994	97	70971	21.505	ug/l	98
56) Ethyl methacrylate	10.859	69	107402	20.565	ug/l	96
57) 1,3-Dichloropropane	11.141	76	128750	22.196	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	286151	105.337	ug/l	98
59) 2-Hexanone	11.176	43	403581	111.944	ug/l	98
60) Dibromochloromethane	11.335	129	81030	21.602	ug/l	99
61) 1,2-Dibromoethane	11.447	107	73326	21.589	ug/l	97
64) Tetrachloroethene	11.082	164	55486	20.302	ug/l	96
65) Chlorobenzene	11.870	112	196650	20.902	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.935	131	68439	22.203	ug/l	98
67) Ethyl Benzene	11.941	91	337707	20.449	ug/l	98
68) m/p-Xylenes	12.047	106	255361	41.269	ug/l	98
69) o-Xylene	12.376	106	119095	20.303	ug/l	98
70) Styrene	12.388	104	202025	21.121	ug/l	97
71) Bromoform	12.559	173	48994	21.299	ug/l #	99
73) Isopropylbenzene	12.676	105	317835	19.295	ug/l	100
74) N-amyl acetate	12.553	43	12122	2.592	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.917	83	110159	21.480	ug/l	100
76) 1,2,3-Trichloropropane	12.970	75	107931m	22.104	ug/l	
77) Bromobenzene	12.959	156	74463	20.963	ug/l	98
78) n-propylbenzene	13.012	91	400804	19.939	ug/l	100
79) 2-Chlorotoluene	13.106	91	239791	20.917	ug/l	98
80) 1,3,5-Trimethylbenzene	13.153	105	267894	19.582	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.717	75	31153	17.797	ug/l #	90
82) 4-Chlorotoluene	13.200	91	245209	19.771	ug/l	100
83) tert-Butylbenzene	13.417	119	226852	18.563	ug/l	98
84) 1,2,4-Trimethylbenzene	13.459	105	275446	20.124	ug/l	100
85) sec-Butylbenzene	13.594	105	337177	18.779	ug/l	99
86) p-Isopropyltoluene	13.706	119	279836	19.429	ug/l	99
87) 1,3-Dichlorobenzene	13.711	146	145147	20.469	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	155054	20.359	ug/l	98
89) n-Butylbenzene	14.035	91	271838	19.053	ug/l	99
90) Hexachloroethane	14.311	117	54301	19.468	ug/l	97
91) 1,2-Dichlorobenzene	14.082	146	141372	20.683	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.700	75	24150	20.232	ug/l	95
93) 1,2,4-Trichlorobenzene	15.364	180	78714	19.015	ug/l	98
94) Hexachlorobutadiene	15.476	225	28944	18.776	ug/l	92
95) Naphthalene	15.617	128	258434	18.224	ug/l	99
96) 1,2,3-Trichlorobenzene	15.817	180	76281	19.218	ug/l	99

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

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