

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111025\
 Data File : VN088238.D
 Acq On : 10 Nov 2025 13:48
 Operator : JC\MD
 Sample : VN1110MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1110MBS01

Manual Integrations
 APPROVED

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

Quant Time: Nov 11 03:51:39 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	270999	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	542778	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	479668	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	239358	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	282389	60.260	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 120.520%			
35) Dibromofluoromethane	8.153	113	189097	51.858	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.720%			
50) Toluene-d8	10.547	98	697777	49.663	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.320%			
62) 4-Bromofluorobenzene	12.829	95	253472	51.082	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.160%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	58770	19.226	ug/l	97
3) Chloromethane	2.383	50	72307	20.106	ug/l	95
4) Vinyl Chloride	2.536	62	74320	18.967	ug/l	93
5) Bromomethane	2.977	94	46728	19.938	ug/l	98
6) Chloroethane	3.136	64	50619	17.930	ug/l	96
7) Trichlorofluoromethane	3.512	101	111376	17.821	ug/l	97
8) Diethyl Ether	3.959	74	49766	21.425	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	59453	18.435	ug/l #	72
10) Methyl Iodide	4.577	142	59673	20.247	ug/l #	95
11) Tert butyl alcohol	5.524	59	101017	125.126	ug/l	96
12) 1,1-Dichloroethene	4.341	96	61050	17.923	ug/l	95
13) Acrolein	4.177	56	103622	114.109	ug/l	99
14) Allyl chloride	5.012	41	124979	20.934	ug/l	98
15) Acrylonitrile	5.706	53	268942	122.296	ug/l	97
16) Acetone	4.424	43	265311	112.694	ug/l	99
17) Carbon Disulfide	4.706	76	188976	18.251	ug/l	98
18) Methyl Acetate	5.018	43	126741	26.296	ug/l	100
19) Methyl tert-butyl Ether	5.788	73	285756	22.844	ug/l	95
20) Methylene Chloride	5.265	84	86944	22.000	ug/l	96
21) trans-1,2-Dichloroethene	5.771	96	73218	19.583	ug/l	95
22) Diisopropyl ether	6.659	45	292346	23.284	ug/l	98
23) Vinyl Acetate	6.588	43	1327462	117.371	ug/l	98
24) 1,1-Dichloroethane	6.553	63	155386	22.341	ug/l	98
25) 2-Butanone	7.471	43	376782	121.443	ug/l	99
26) 2,2-Dichloropropane	7.477	77	133998	21.201	ug/l	97
27) cis-1,2-Dichloroethene	7.471	96	91345	21.223	ug/l	95
28) Bromochloromethane	7.800	49	75816	23.070	ug/l	97
29) Tetrahydrofuran	7.830	42	236823	117.126	ug/l	99
30) Chloroform	7.947	83	158597	22.826	ug/l	99
31) Cyclohexane	8.241	56	128460	19.583	ug/l	93
32) 1,1,1-Trichloroethane	8.153	97	132111	21.348	ug/l	95
36) 1,1-Dichloropropene	8.353	75	103102	19.365	ug/l	99
37) Ethyl Acetate	7.547	43	146099	21.264	ug/l	98
38) Carbon Tetrachloride	8.341	117	109709	19.951	ug/l	92
39) Methylcyclohexane	9.582	83	107518	15.711	ug/l	99
40) Benzene	8.588	78	321958	19.856	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	75418	20.856	ug/l	97
42) 1,2-Dichloroethane	8.653	62	130446	22.642	ug/l	97
43) Isopropyl Acetate	8.677	43	233680	22.134	ug/l	100
44) Trichloroethene	9.335	130	72888	19.232	ug/l	98
45) 1,2-Dichloropropane	9.606	63	87304	21.327	ug/l	95
46) Dibromomethane	9.688	93	62557	21.427	ug/l	98
47) Bromodichloromethane	9.865	83	127798	21.864	ug/l	97
48) Methyl methacrylate	9.665	41	107516	22.058	ug/l	99
49) 1,4-Dioxane	9.688	88	29506	486.707	ug/l #	98
51) 4-Methyl-2-Pentanone	10.423	43	722096	115.613	ug/l	100
52) Toluene	10.606	92	197362	19.742	ug/l	100
53) t-1,3-Dichloropropene	10.818	75	134251	21.580	ug/l	99
54) cis-1,3-Dichloropropene	10.288	75	138840	21.032	ug/l	97
55) 1,1,2-Trichloroethane	10.994	97	78855	20.791	ug/l	97
56) Ethyl methacrylate	10.859	69	128165	21.354	ug/l	97
57) 1,3-Dichloropropane	11.141	76	144127	21.620	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	319474	102.330	ug/l	99
59) 2-Hexanone	11.176	43	454066	109.590	ug/l	97
60) Dibromochloromethane	11.335	129	88425	20.512	ug/l	97
61) 1,2-Dibromoethane	11.447	107	81934	20.991	ug/l	97
64) Tetrachloroethene	11.082	164	58741	18.566	ug/l	95
65) Chlorobenzene	11.870	112	214550	19.698	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.941	131	75017	21.023	ug/l	99
67) Ethyl Benzene	11.941	91	370627	19.386	ug/l	98
68) m/p-Xylenes	12.047	106	277066	38.678	ug/l	99
69) o-Xylene	12.376	106	137328	20.223	ug/l	99
70) Styrene	12.388	104	226439	20.449	ug/l	96
71) Bromoform	12.559	173	56454	21.200	ug/l #	99
73) Isopropylbenzene	12.670	105	340980	18.470	ug/l	100
74) N-amyl acetate	12.682	43	107802m	20.570	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.917	83	123087	21.416	ug/l	98
76) 1,2,3-Trichloropropane	12.970	75	112855m	20.622	ug/l	
77) Bromobenzene	12.959	156	83086	20.871	ug/l	98
78) n-propylbenzene	13.012	91	425274	18.877	ug/l	100
79) 2-Chlorotoluene	13.100	91	263832	20.535	ug/l	98
80) 1,3,5-Trimethylbenzene	13.153	105	296576	19.344	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.717	75	35076	17.880	ug/l	97
82) 4-Chlorotoluene	13.200	91	274502	19.748	ug/l	100
83) tert-Butylbenzene	13.417	119	248689	18.158	ug/l	100
84) 1,2,4-Trimethylbenzene	13.459	105	299750	19.541	ug/l	100
85) sec-Butylbenzene	13.594	105	357400	17.761	ug/l	100
86) p-Isopropyltoluene	13.706	119	297653	18.439	ug/l	99
87) 1,3-Dichlorobenzene	13.711	146	157453	19.813	ug/l	100
88) 1,4-Dichlorobenzene	13.788	146	161096	18.874	ug/l	97
89) n-Butylbenzene	14.035	91	287446	17.977	ug/l	99
90) Hexachloroethane	14.306	117	56724	18.146	ug/l	92
91) 1,2-Dichlorobenzene	14.082	146	155666	20.320	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.700	75	29624	22.145	ug/l	89
93) 1,2,4-Trichlorobenzene	15.370	180	87930	18.953	ug/l	99
94) Hexachlorobutadiene	15.476	225	34021	19.692	ug/l	94
95) Naphthalene	15.617	128	294795	18.548	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	83535	18.779	ug/l	98

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

