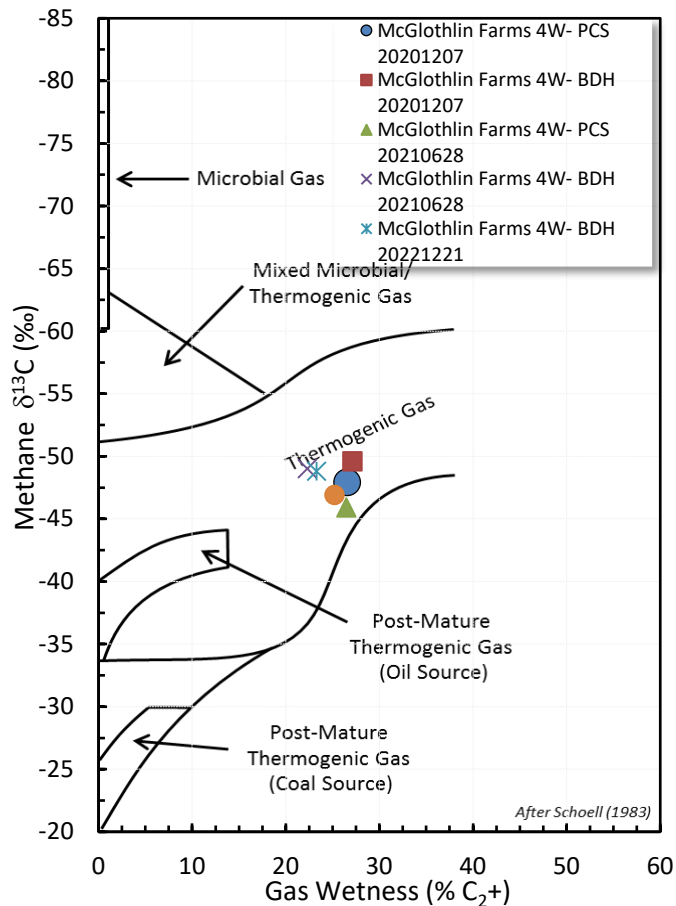
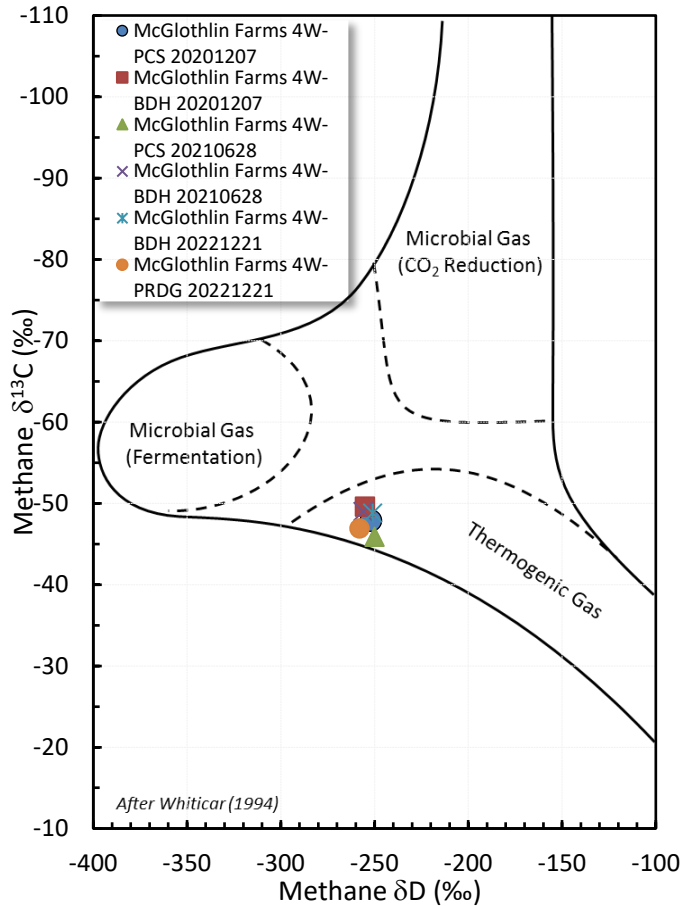


Stable Isotope Interpretive Plots

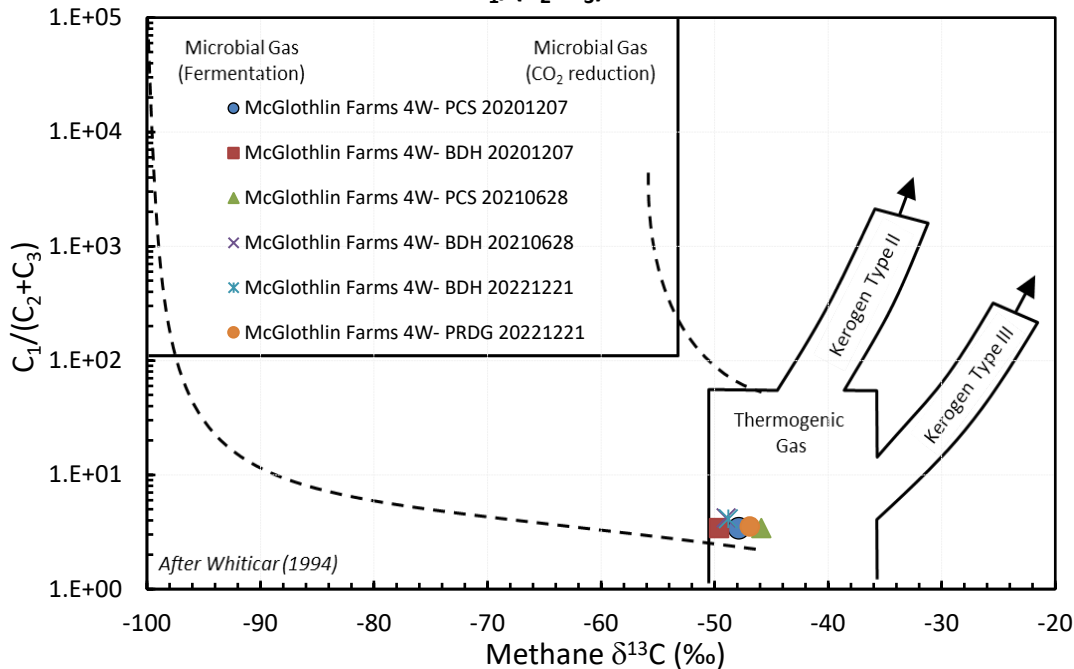
Methane vs Gas Wetness Genetic Classification



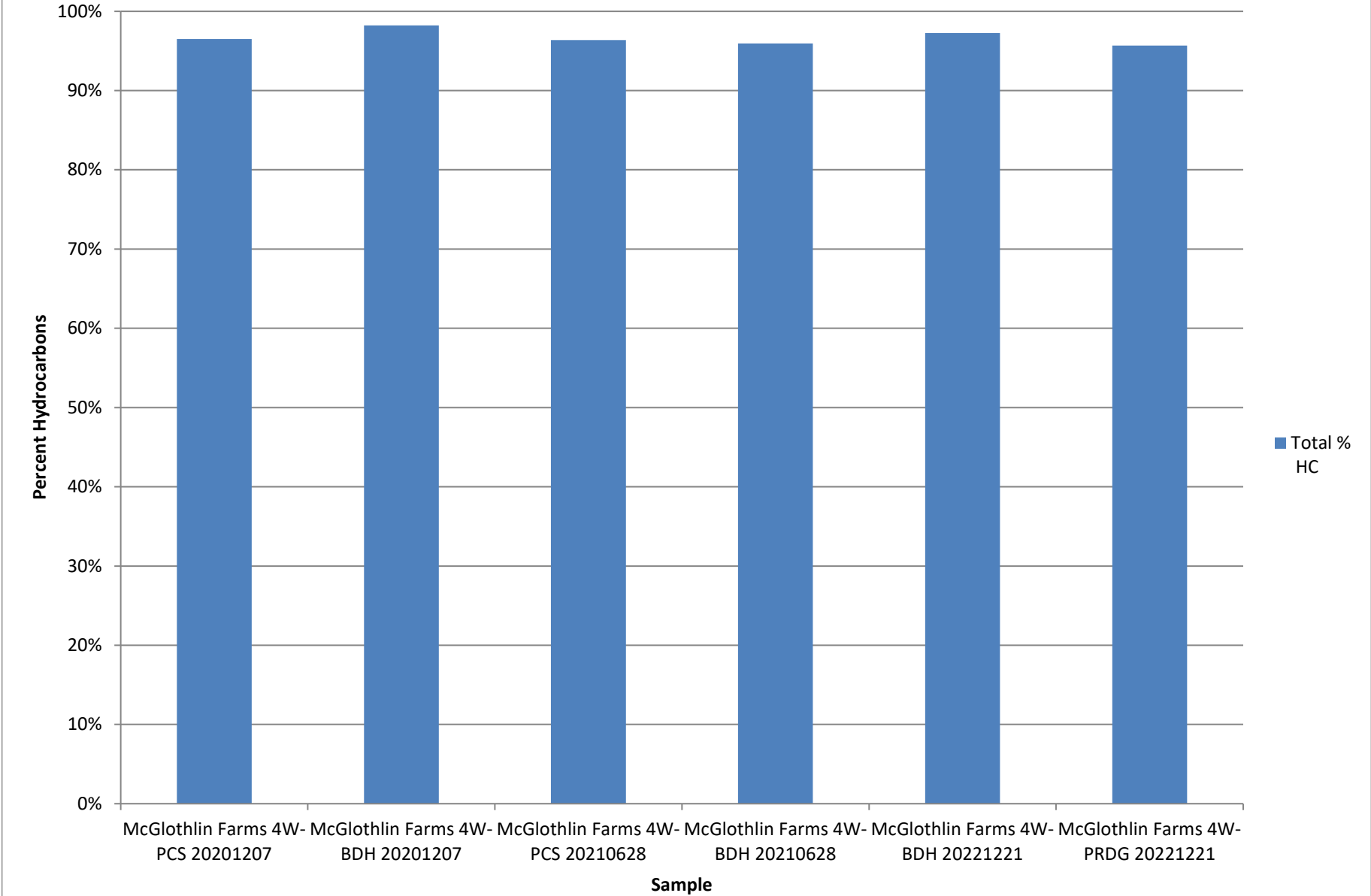
Methane $\delta^{13}\text{C}$ vs δD Genetic Classification Plot



Methane $\delta^{13}\text{C}$ vs $\text{C}_1/(\text{C}_2+\text{C}_3)$ Genetic Classification Plot



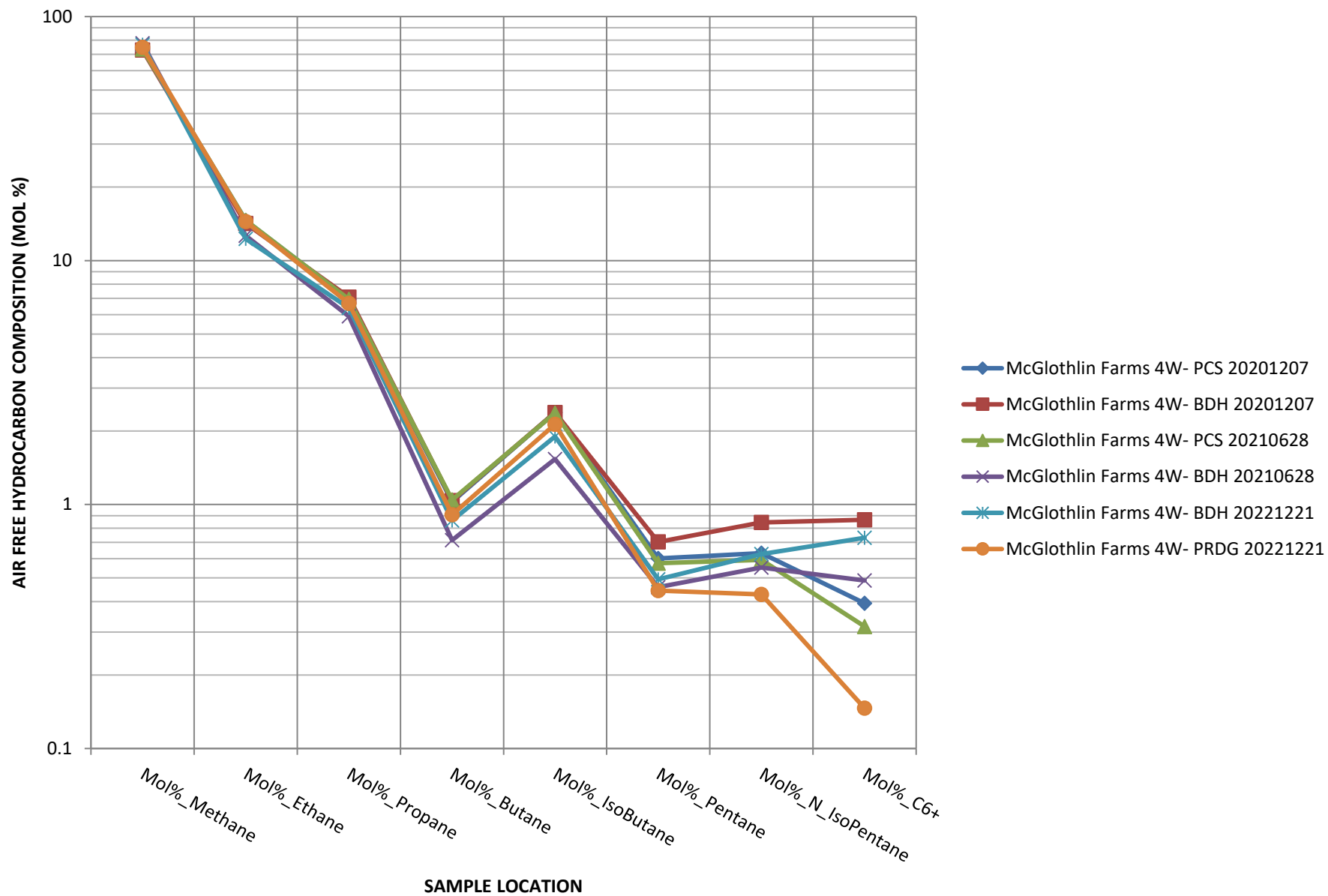
Total Percent Hydrocarbons

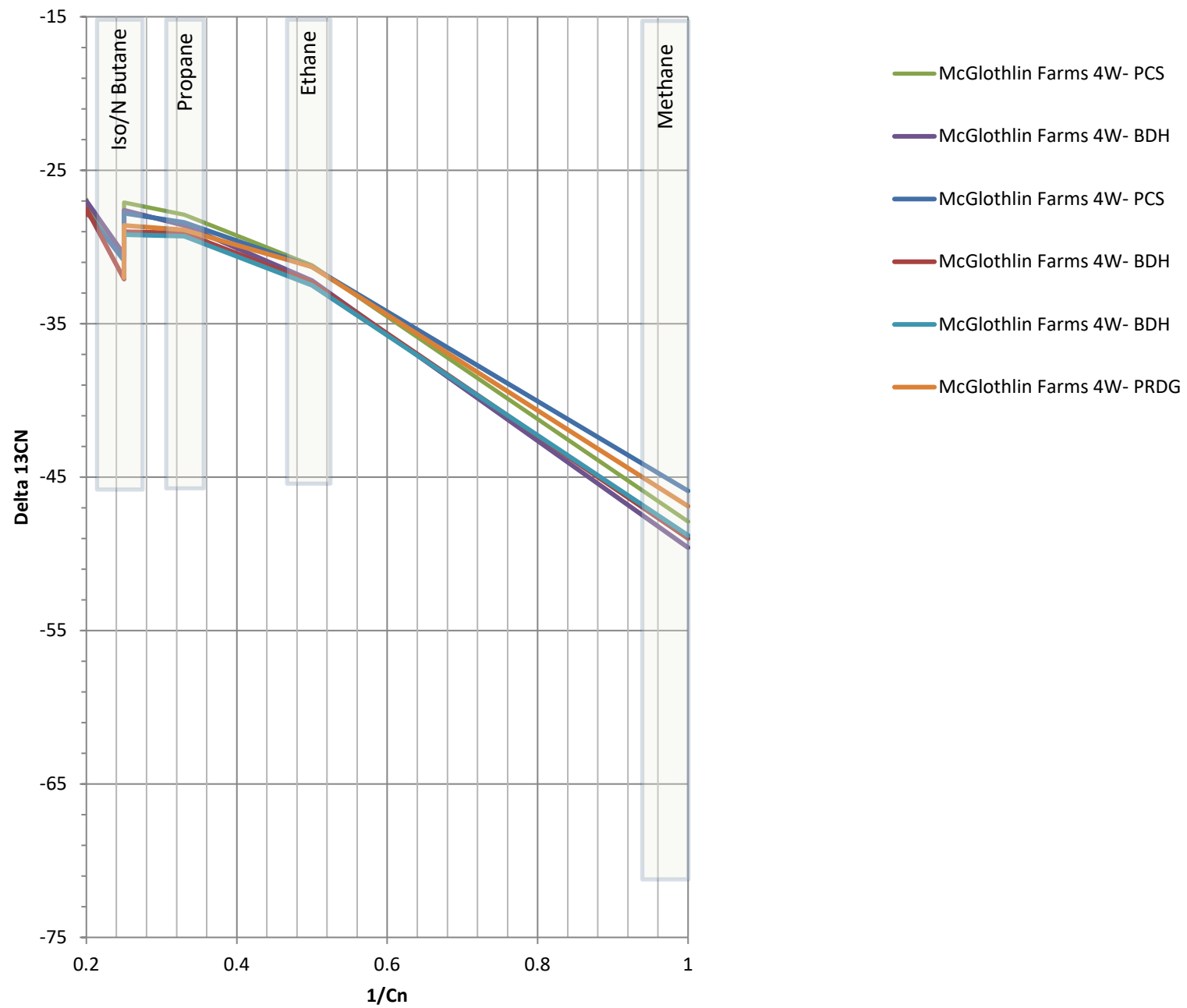


Parameter	McGlothlin Farms 4W- PCS 20210207	McGlothlin Farms 4W- BDH 20210207	McGlothlin Farms 4W- PCS 20210628	McGlothlin Farms 4W- BDH 20210628	McGlothlin Farms 4W- BDH 20211221	McGlothlin Farms 4W- BDH 20221221
Mol% Nitrogen	0.7	1.5	0.9	3.5	2.5	1.5
Mol% Oxygen	0.01	0.01	0.01	0.01	0.01	0.01
Mol% Argon	0.15	0.15	0.18	0.6	0.25	0.25
Mol% O2+AR	2.8	0.01	2.5	0.01	0.01	2.5
Mol% CarbonDioxide	0.01	0.01	0.01	0.01	0.01	0.01
Mol% Helium	0.01	0.03	0.01	0.02	0.01	0.03
Mol% hydrogen	65	65	65	70	65	65
Mol% Methane	13	13	13	12	12	13
Mol% Ethane	6.5	6.5	6.5	5.5	6	6
Mol% Propane	1.0	1.0	1.0	0.6	0.8	0.8
Mol% Butane	2.5	2.5	2.5	1.5	2.0	2.2
Mol% IsoButane	0.55	0.65	0.5	0.45	0.5	0.45
Mol% N_Pentane	0.55	0.8	0.55	0.5	0.55	0.4
Mol% IsoPentane	0.4	0.85	0.35	0.45	0.7	0.15
Mol% C6+	0.01	0.01	0.01	0.01	0.01	0.01

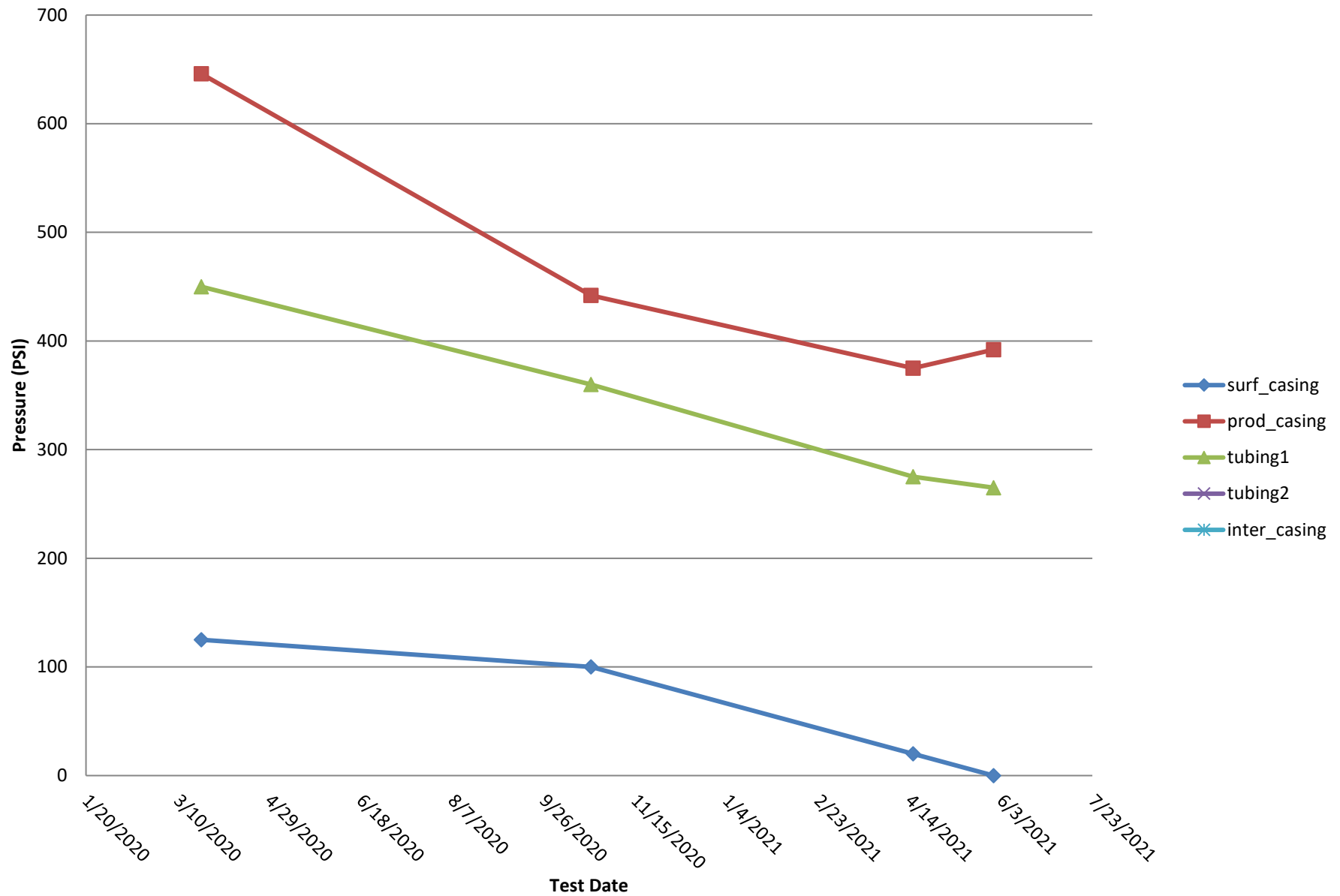
- McGlothlin Farms 4W- PCS 20201207
- McGlothlin Farms 4W- BDH 20201207
- McGlothlin Farms 4W- PCS 20210628
- McGlothlin Farms 4W- BDH 20210628
- McGlothlin Farms 4W- BDH 20221221

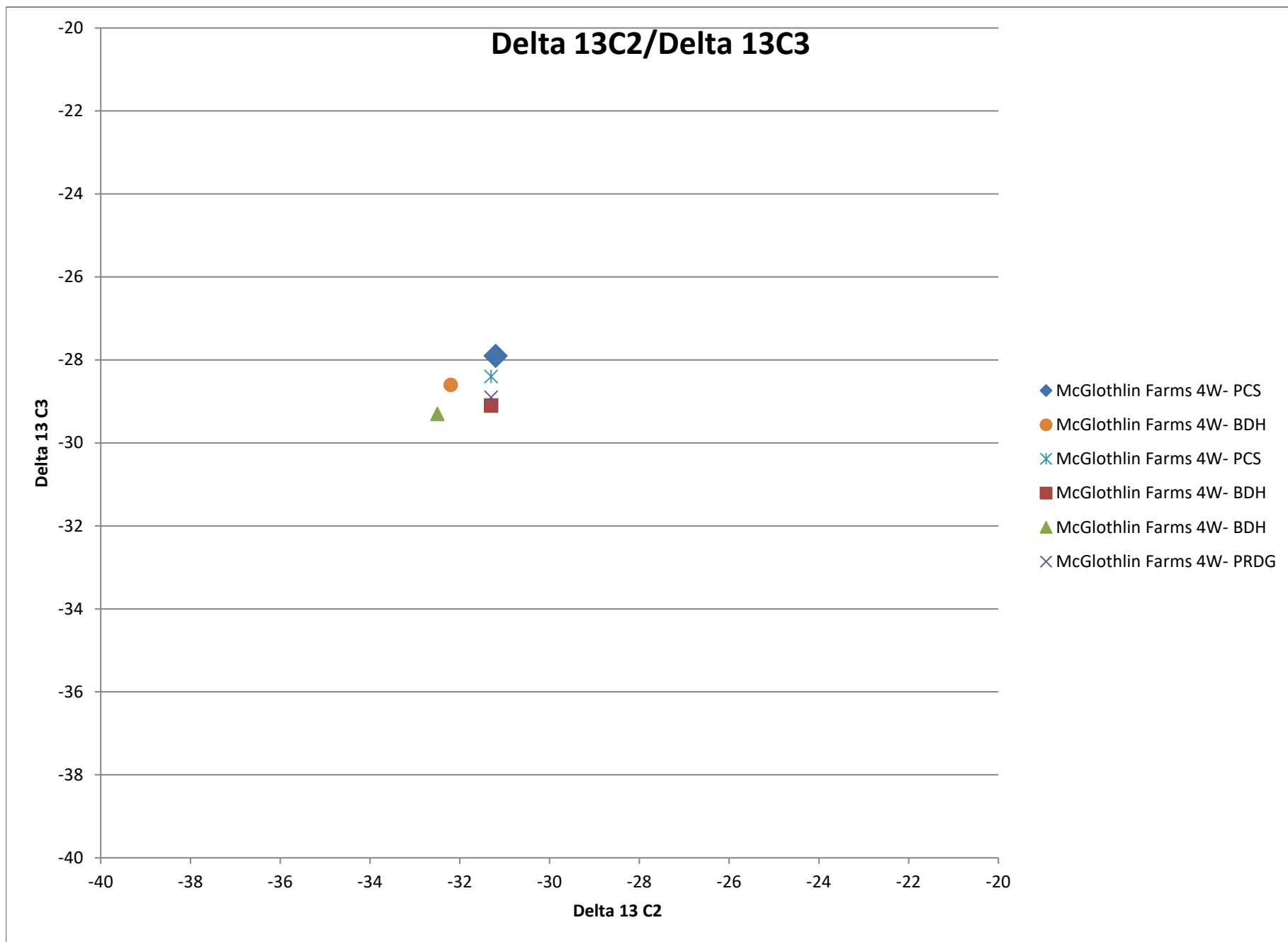
HYDROCARBON COMPOSITION



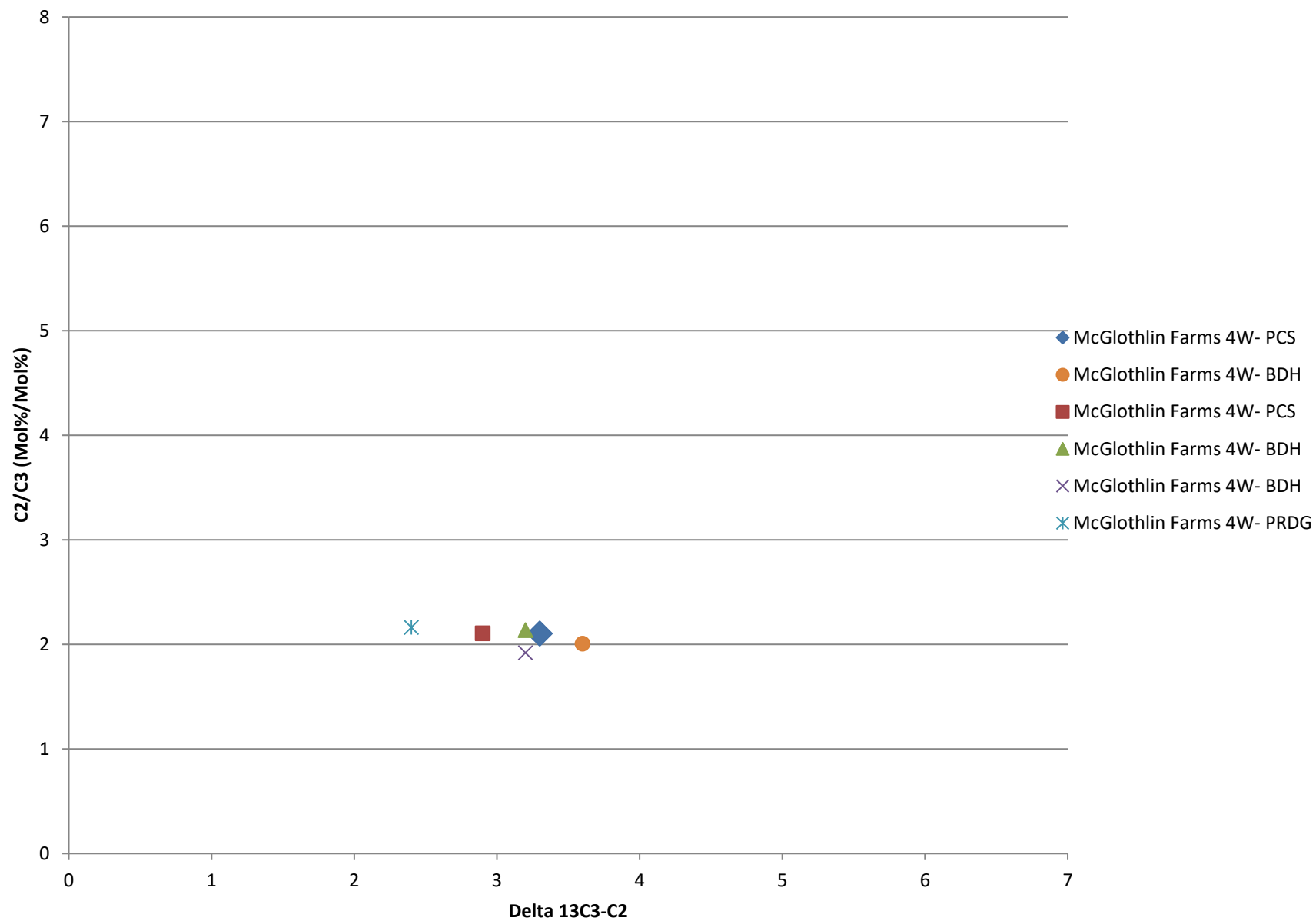


Bradenhead Test Summary





Delta13 C2/C3 vs. Delta 13C3-C2



Delta 13 IC4/ Delta NC4

