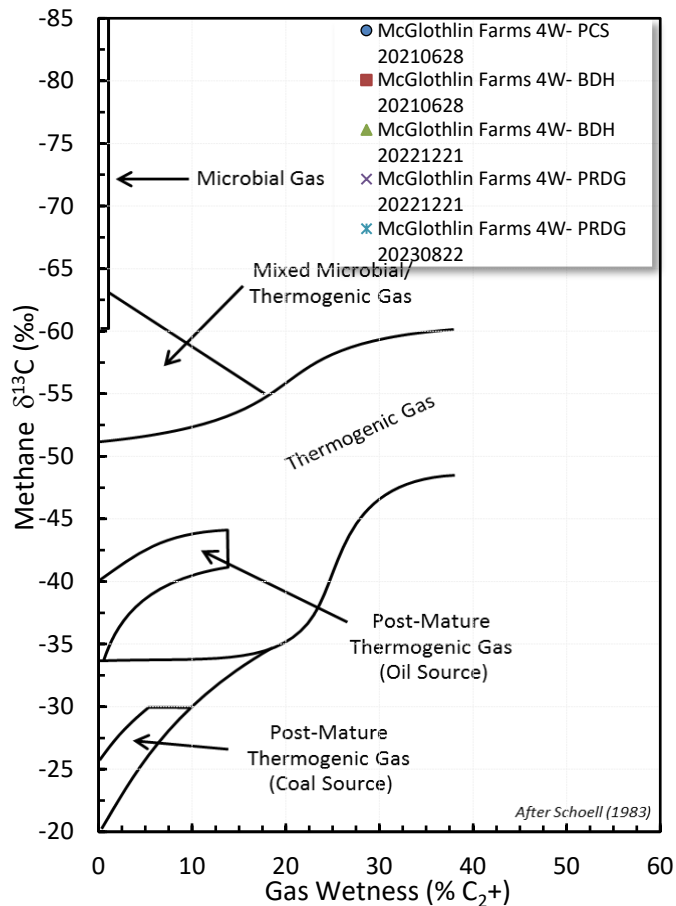
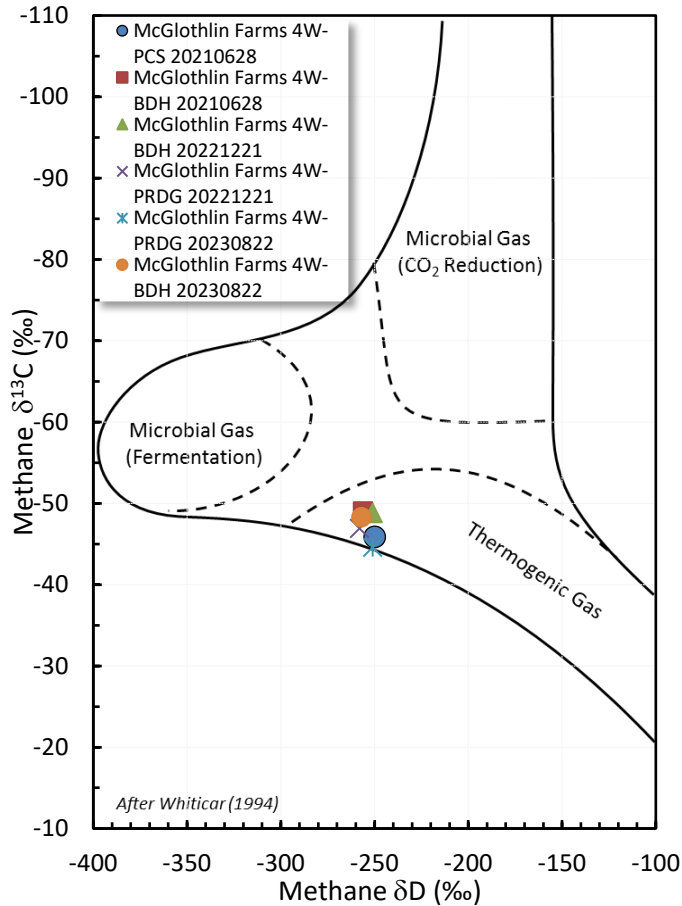


Stable Isotope Interpretive Plots

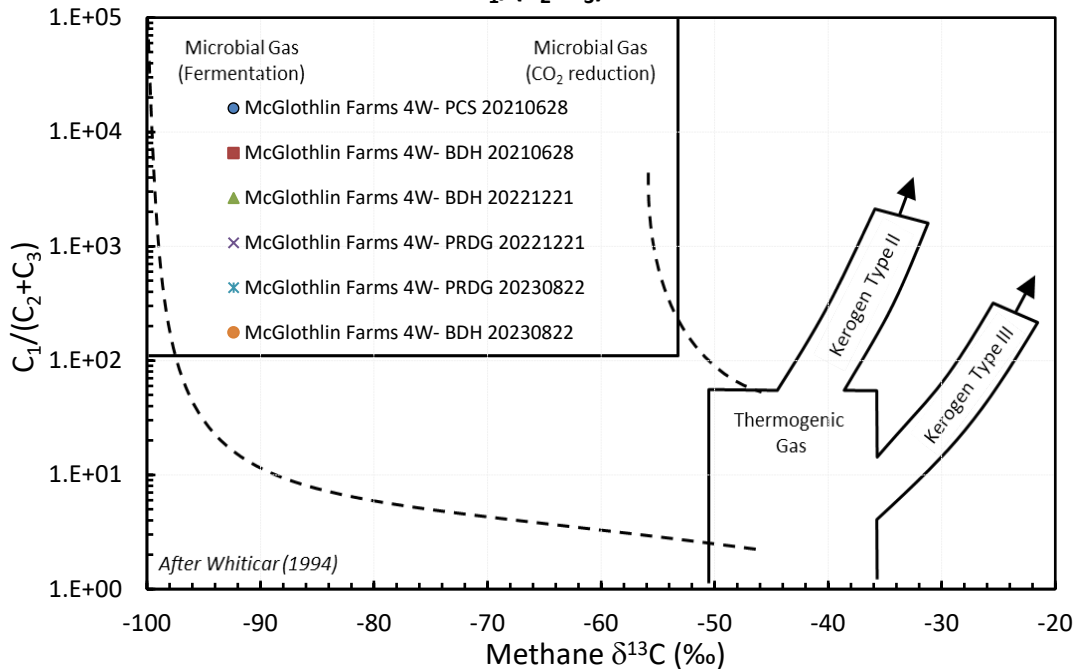
Methane vs Gas Wetness Genetic Classification



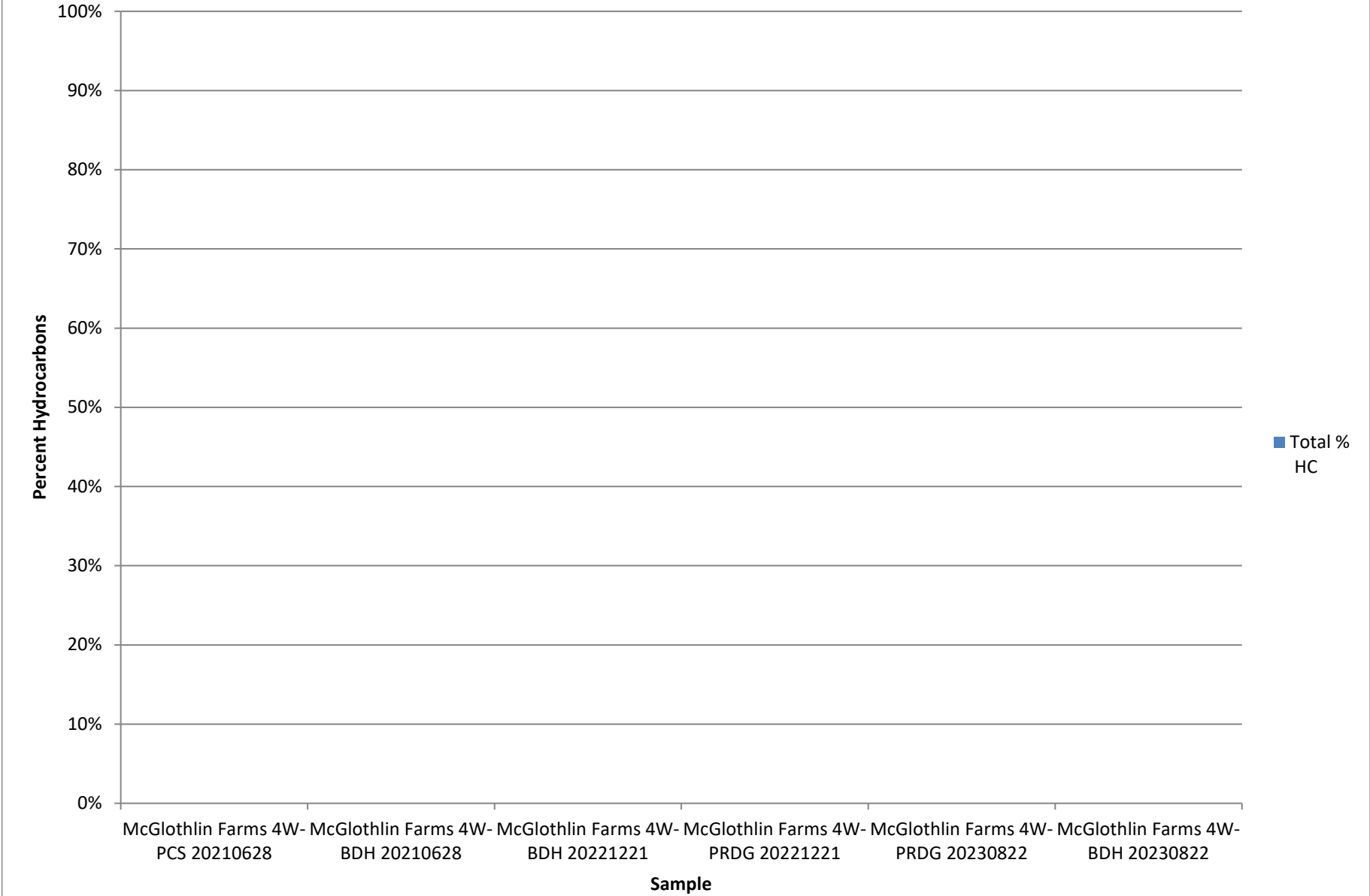
Methane $\delta^{13}\text{C}$ vs δD Genetic Classification Plot



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



Total Percent Hydrocarbons



GAS COMPOSITION

GAS COMPOSITION (MOL %)

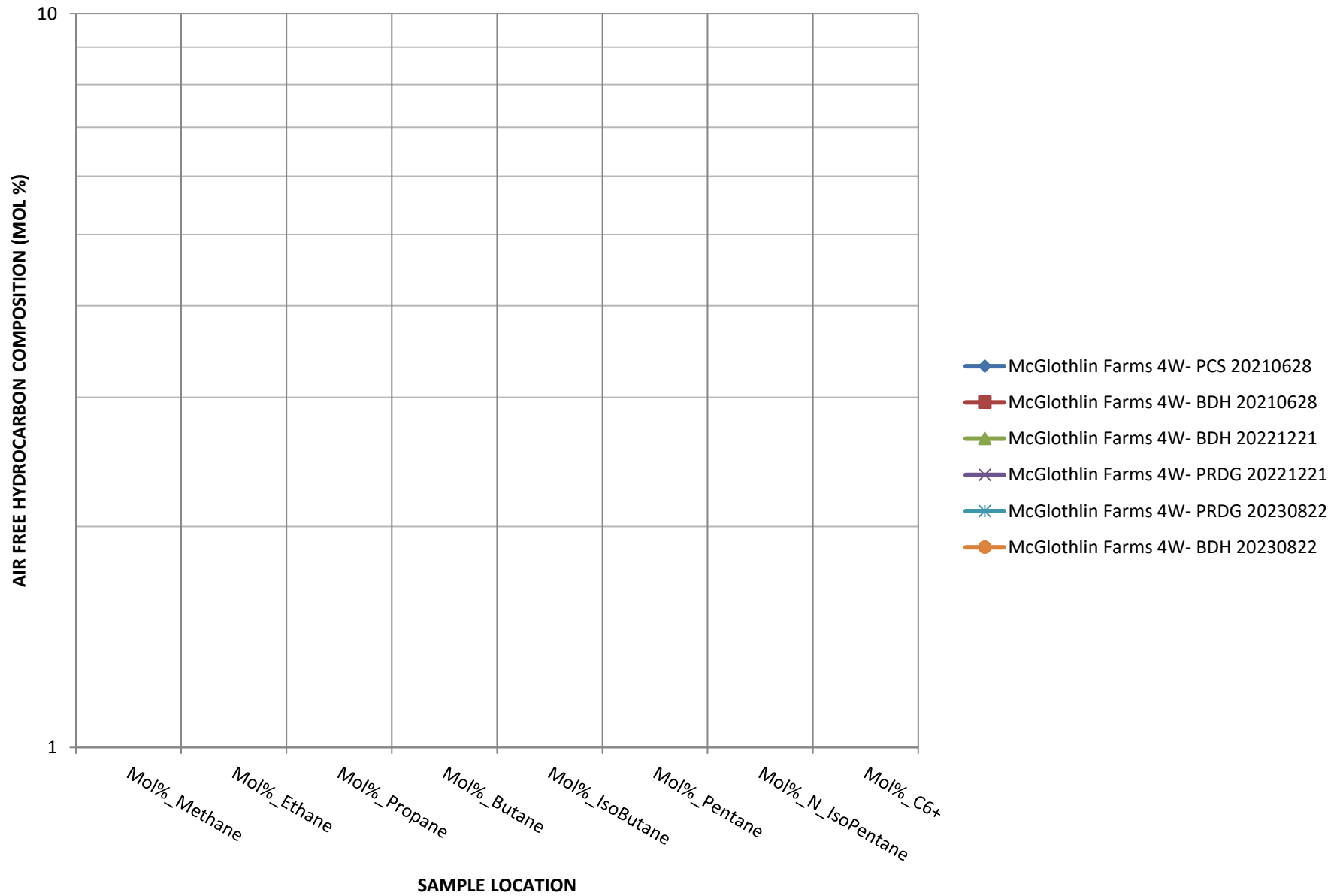
Parameter

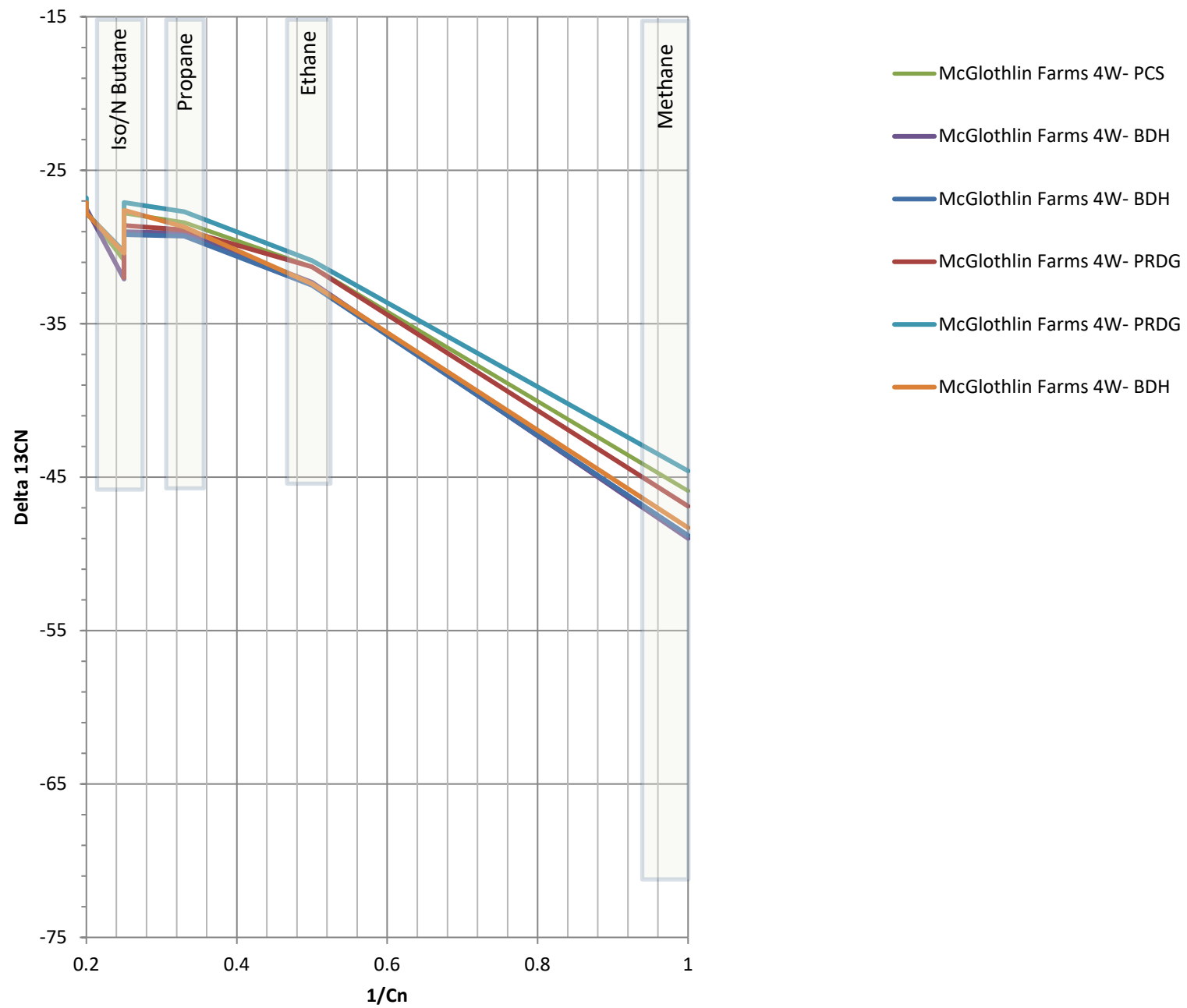
McGlothlin Farms 4W- PCS 20210628
McGlothlin Farms 4W- BDH 20210628
McGlothlin Farms 4W- BDH 20221221
McGlothlin Farms 4W- PRDG 20221221
McGlothlin Farms 4W- PRDG 20230822

Parameter	McGlothlin Farms 4W- PCS 20210628	McGlothlin Farms 4W- BDH 20210628	McGlothlin Farms 4W- BDH 20221221	McGlothlin Farms 4W- PRDG 20221221	McGlothlin Farms 4W- PRDG 20230822
Mol% Nitrogen	0.9	3.5	2.5	1.5	3.5
Mol% Oxygen	0.001	0.001	0.001	0.001	0.001
Mol% Argon	0.001	0.001	0.001	0.001	0.001
Mol% O2+AR	0.001	0.001	0.001	0.001	0.001
Mol% CarbonDioxide	0.001	0.001	0.001	0.001	0.001
Mol% Helium	0.001	0.001	0.001	0.001	0.001
Mol% hydrogen	65	65	65	65	65
Mol% Methane	13	12	12	13	12
Mol% Ethane	6.5	5.5	6.0	6.5	7.0
Mol% Propane	2.5	1.5	2.0	2.5	3.0
Mol% Butane	1.0	0.7	0.8	1.0	1.1
Mol% IsoButane	0.6	0.5	0.6	0.4	0.9
Mol% N_Pentane	0.5	0.4	0.5	0.4	0.7
Mol% IsoPentane	0.3	0.4	0.7	0.15	0.9
Mol% C6+	0.001	0.001	0.001	0.001	0.001

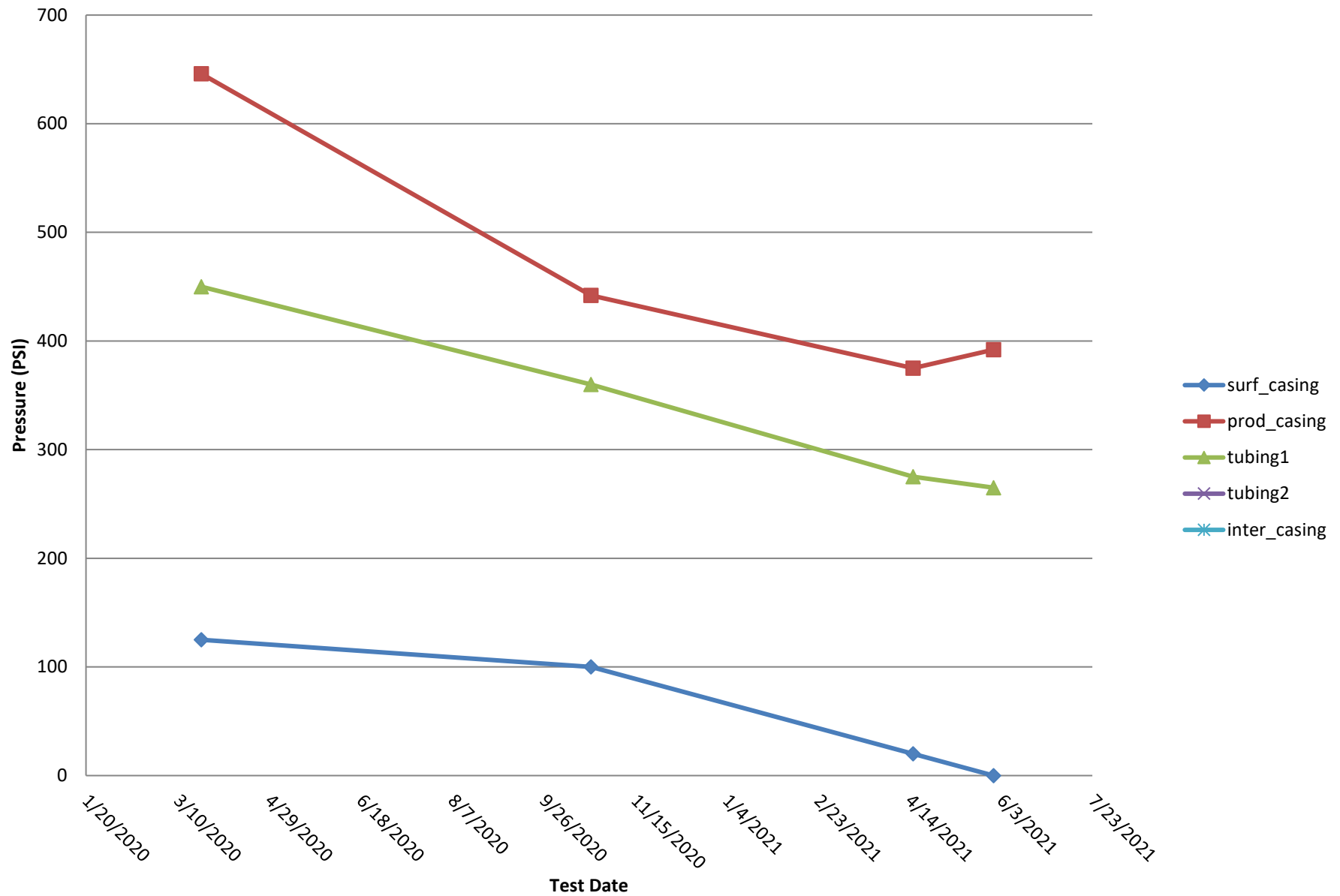
- McGlothlin Farms 4W- PCS
20210628
- McGlothlin Farms 4W- BDH
20210628
- McGlothlin Farms 4W- BDH
20221221
- McGlothlin Farms 4W- PRDG
20221221
- McGlothlin Farms 4W- PRDG
20230822

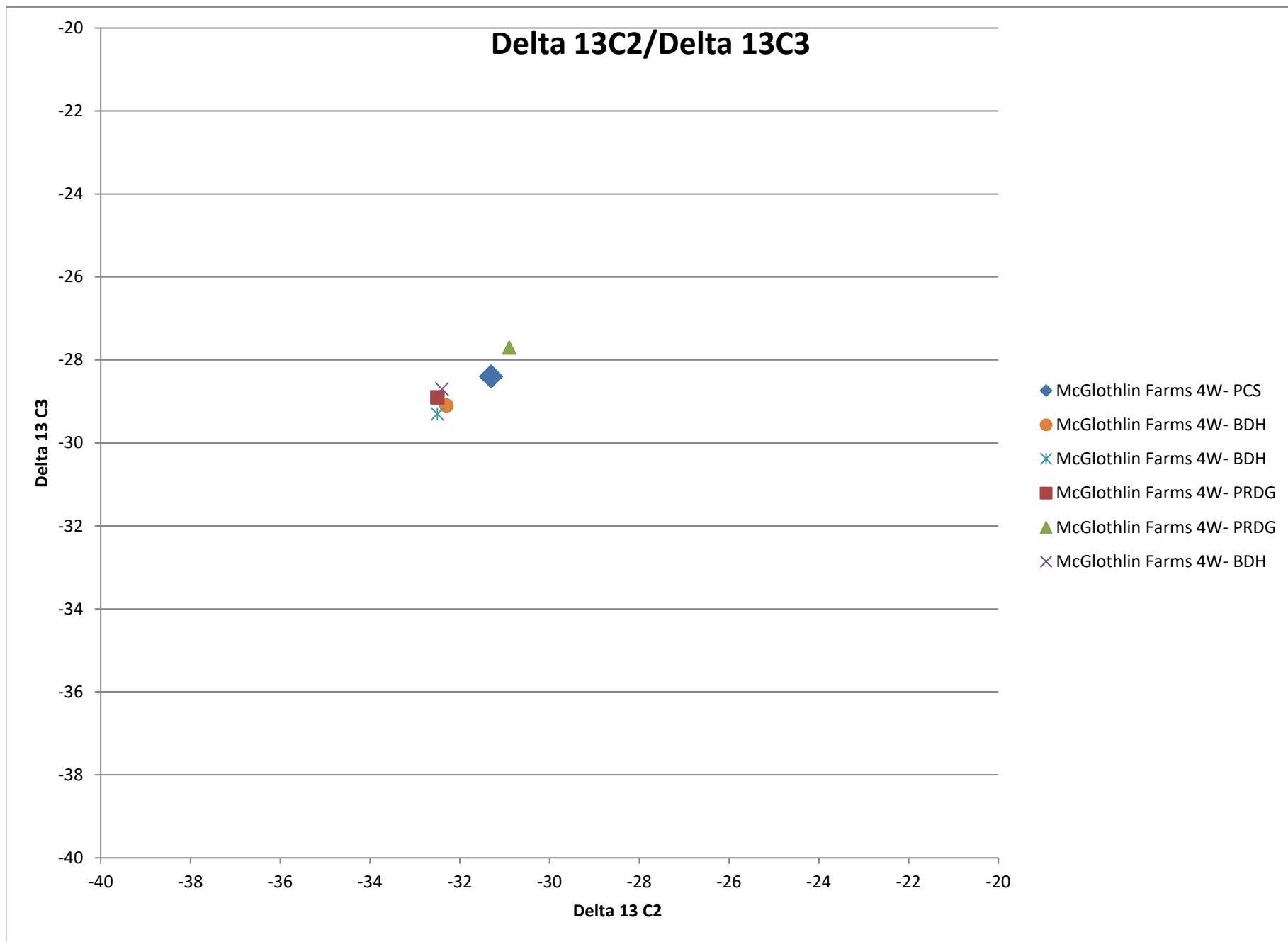
HYDROCARBON COMPOSITION



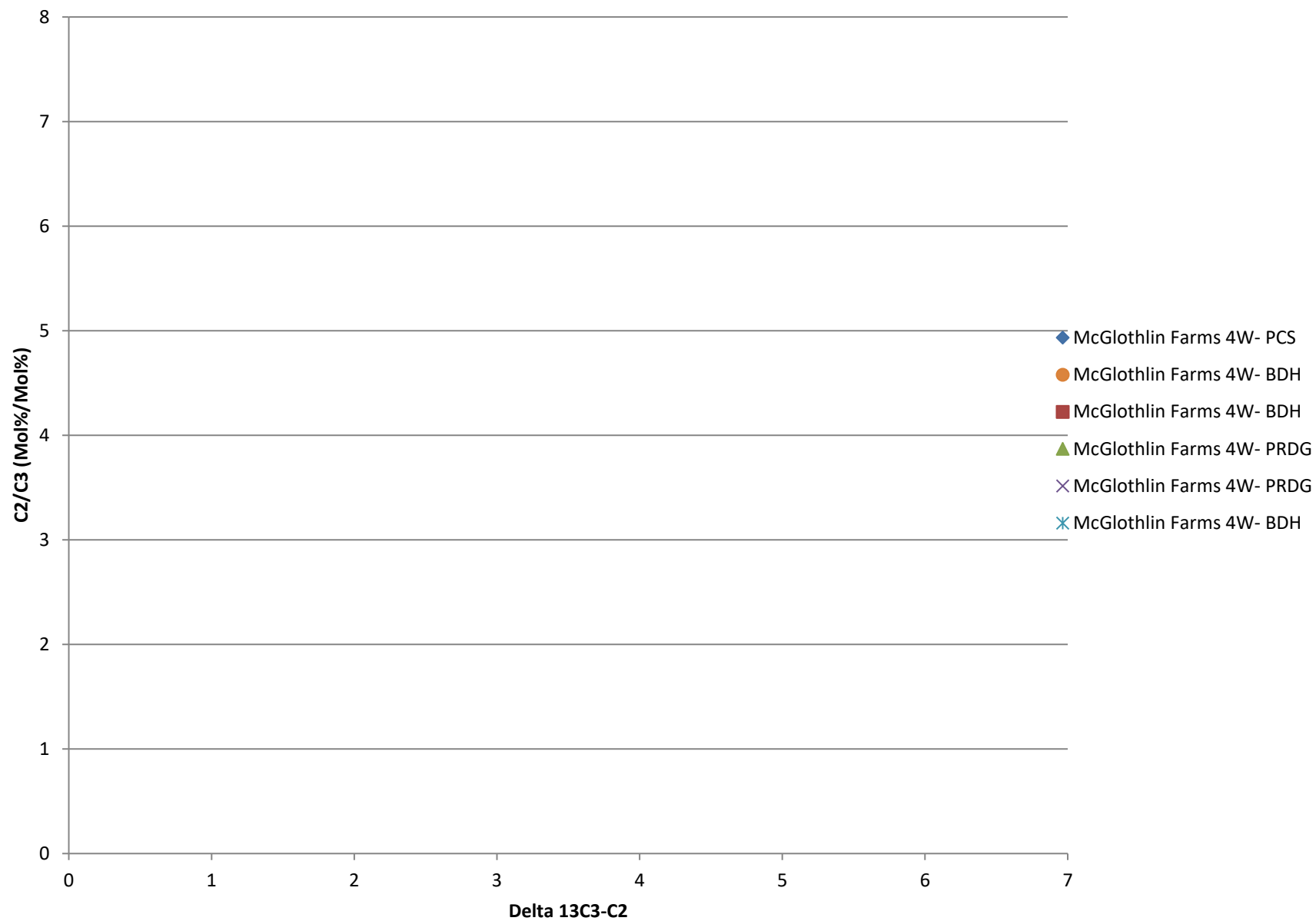


Bradenhead Test Summary





Delta13 C2/C3 vs. Delta 13C3-C2



Delta 13 IC4/ Delta NC4

