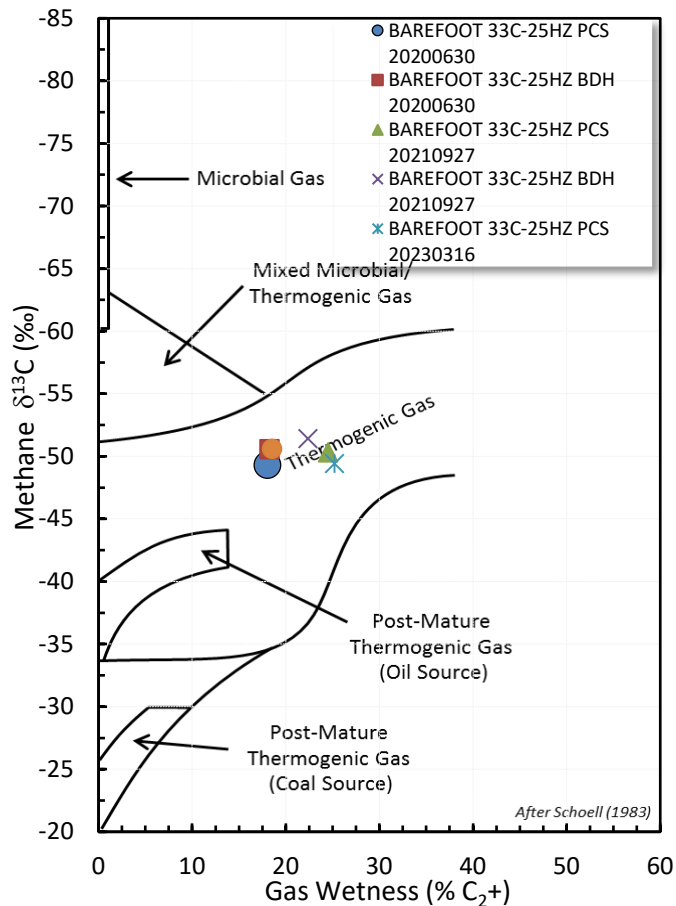
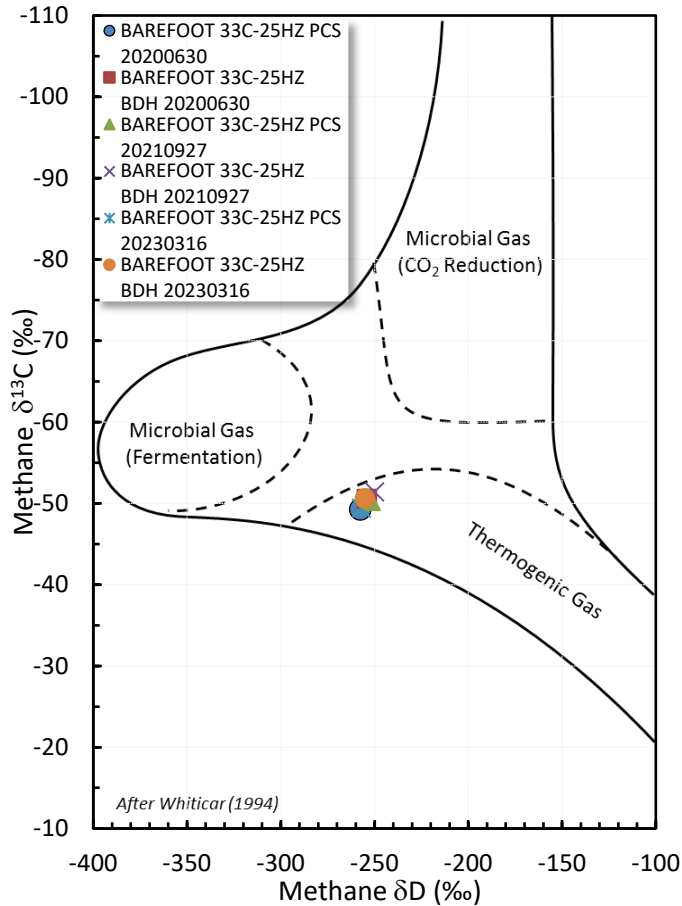


Stable Isotope Interpretive Plots

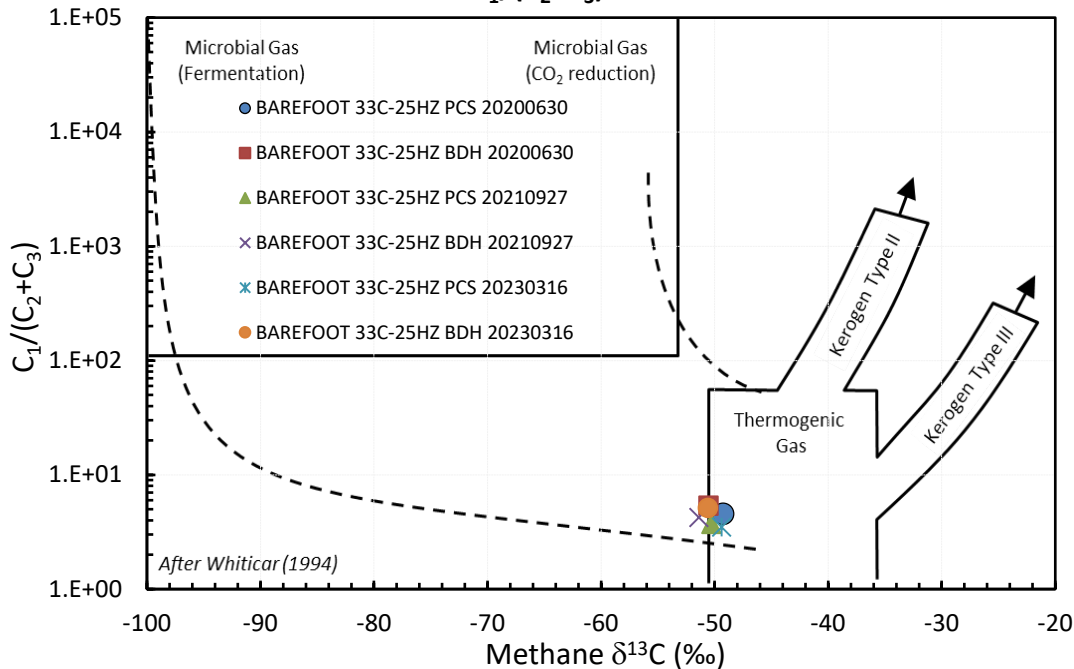
Methane vs Gas Wetness Genetic Classification



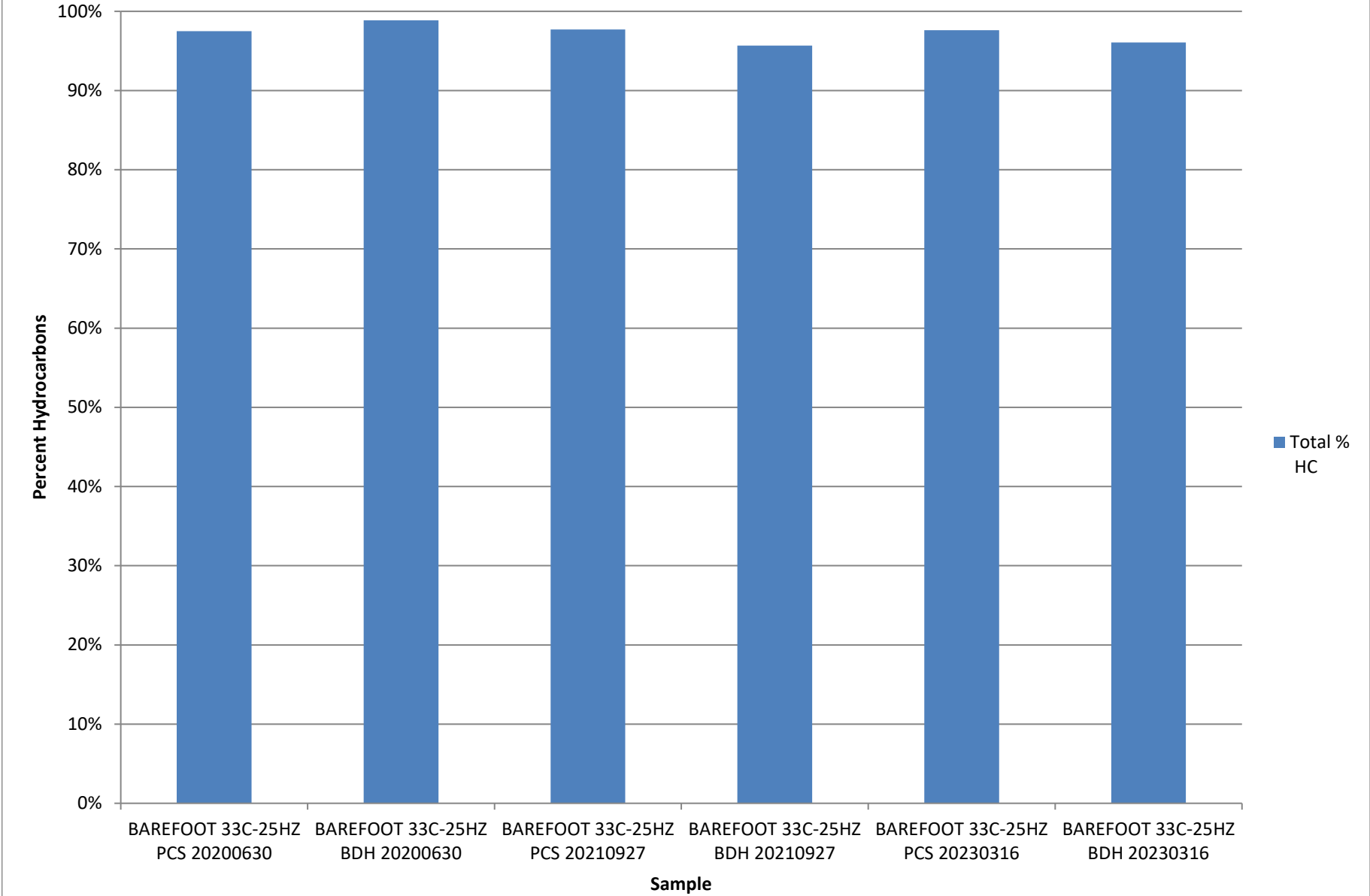
Methane $\delta^{13}\text{C}$ vs δD Genetic Classification Plot



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



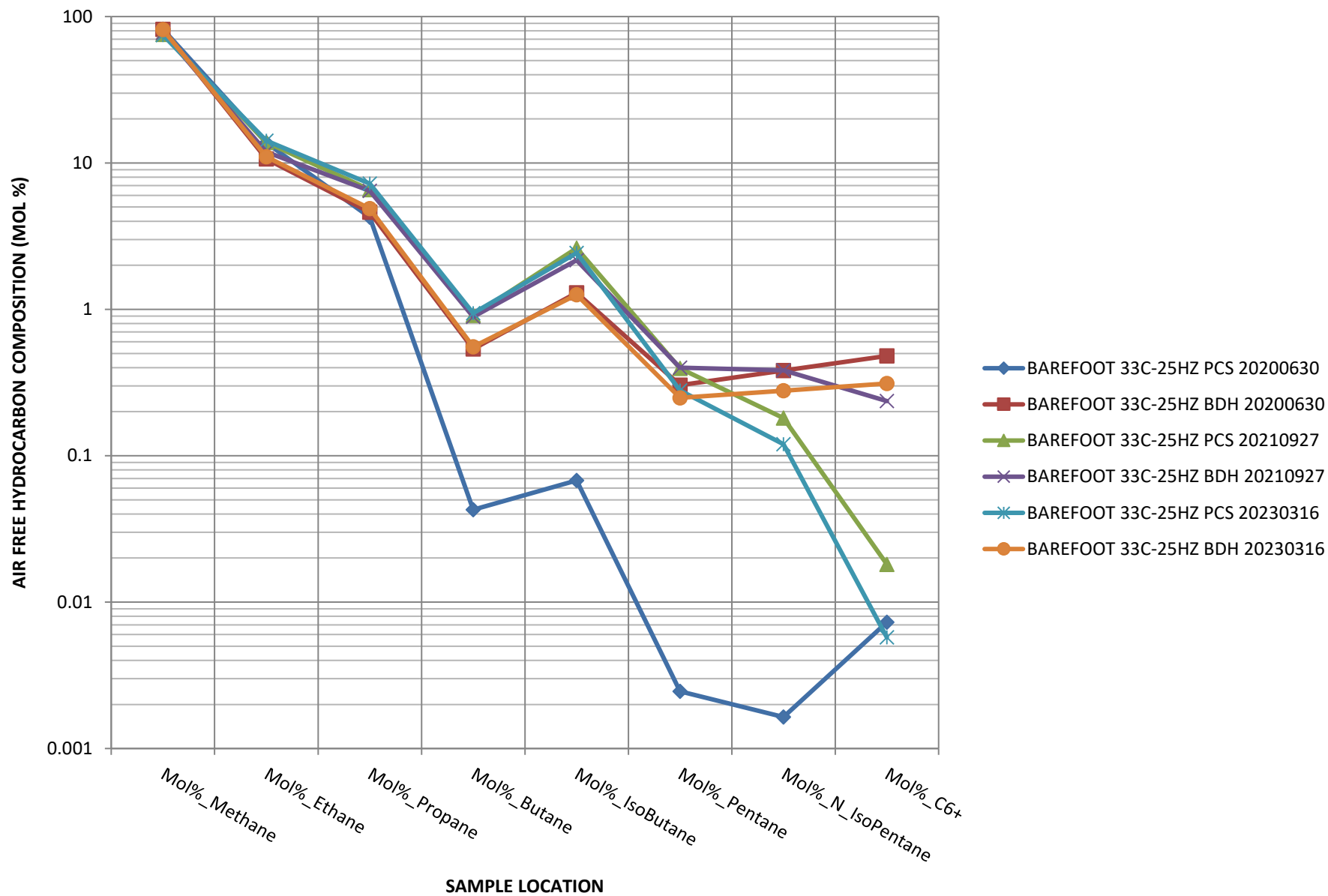
Total Percent Hydrocarbons

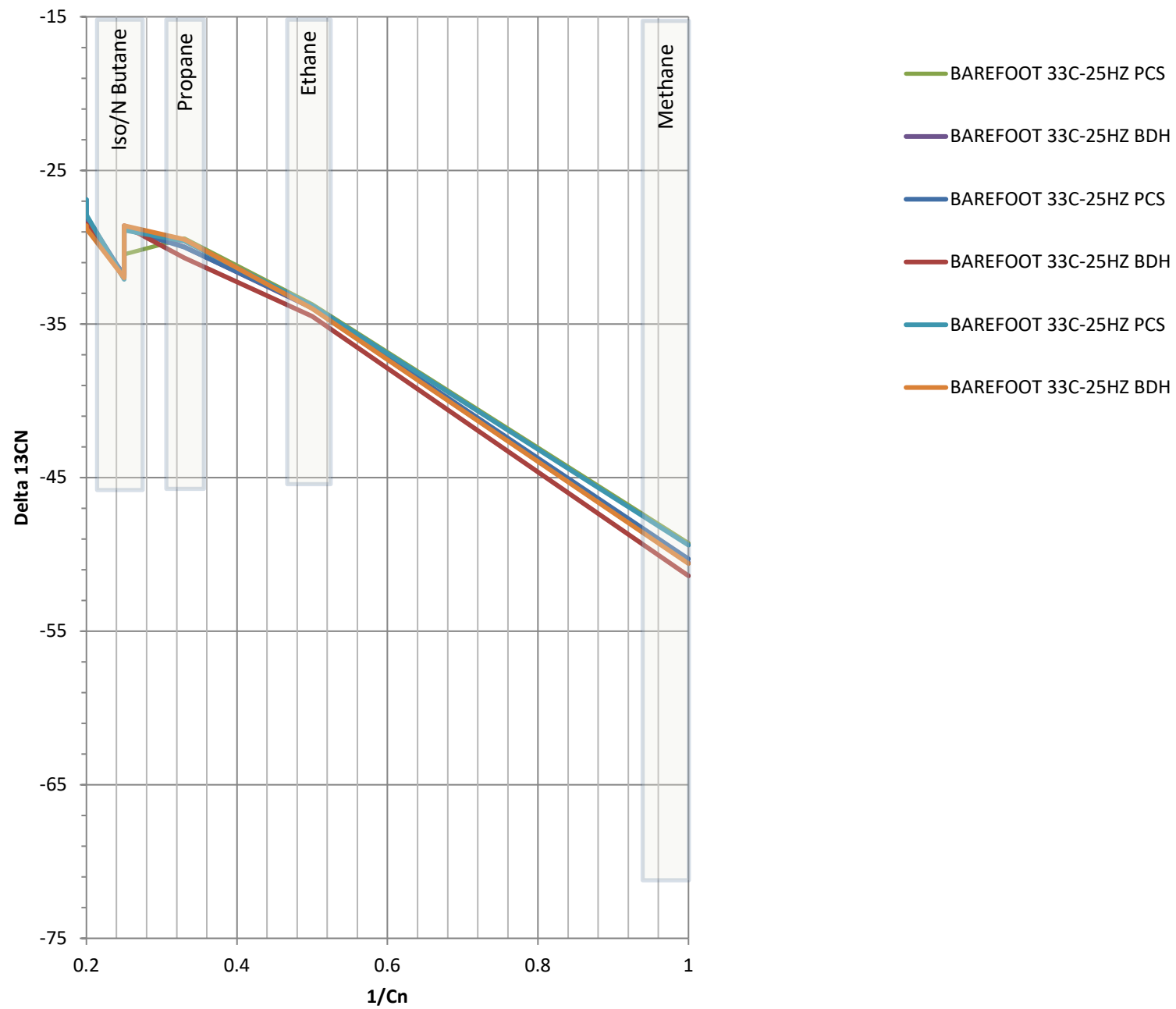


Parameter	BAREFOOT 33C-25HZ PCS 20200630	BAREFOOT 33C-25HZ BDH 20200630	BAREFOOT 33C-25HZ PCS 20210927	BAREFOOT 33C-25HZ BDH 20210927	BAREFOOT 33C-25HZ PCS 20230316	BAREFOOT 33C-25HZ PCS 20230316
Mol%_Nitrogen	0.5	1.0	0.5	1.5	0.5	3.0
Mol%_Oxygen	0.01	0.01	0.01	0.01	0.01	0.5
Mol%_Argon	0.01	0.01	0.01	0.01	0.01	0.01
Mol%_O2+AR	2.0	0.01	2.0	0.01	2.0	0.01
Mol%_CarbonDioxide	0.01	0.01	0.01	0.01	0.01	0.01
Mol%_CarbonMonoxide	0.01	0.01	0.01	0.01	0.01	0.01
Mol%_Helium	0.01	0.01	0.01	0.01	0.01	0.01
Mol%_hydrogen	80	80	80	80	80	80
Mol%_Methane	12	10	12	11	13	10
Mol%_Ethane	4.5	4.5	6.0	5.5	7.0	4.5
Mol%_Propane	0.4	0.5	0.9	0.8	0.9	0.5
Mol%_Butane	0.07	1.3	2.5	2.0	2.5	1.2
Mol%_IsoButane	0.3	0.3	0.4	0.4	0.3	0.25
Mol%_N_Pentane	0.01	0.4	0.18	0.4	0.12	0.28
Mol%_IsoPentane	0.01	0.5	0.018	0.25	0.01	0.32
Mol%_C6+	0.01	0.01	0.01	0.01	0.01	0.01

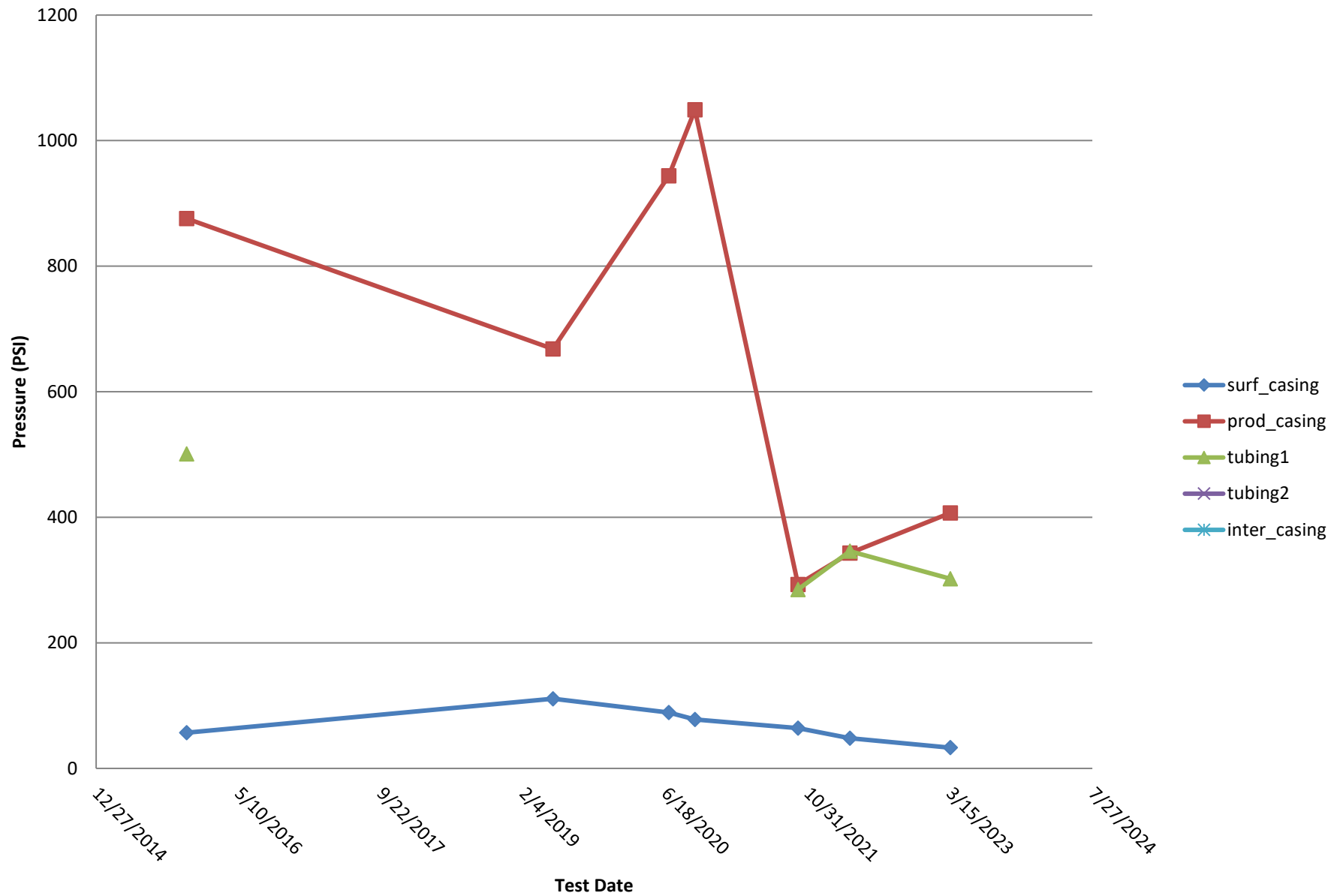
- BAREFOOT 33C-25HZ PCS
20200630
- BAREFOOT 33C-25HZ BDH
20200630
- BAREFOOT 33C-25HZ PCS
20210927
- BAREFOOT 33C-25HZ BDH
20210927
- BAREFOOT 33C-25HZ PCS
20230316

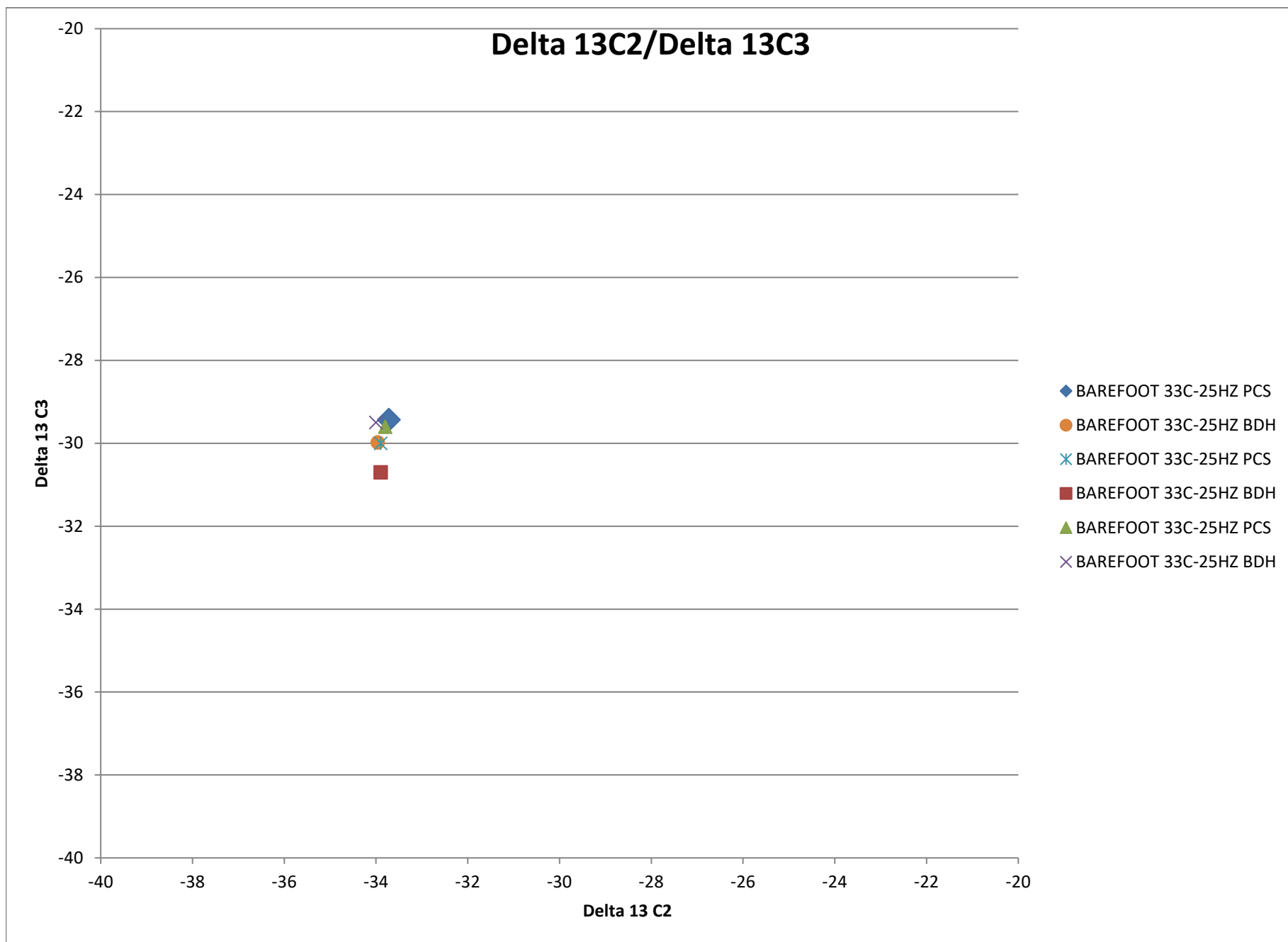
HYDROCARBON COMPOSITION



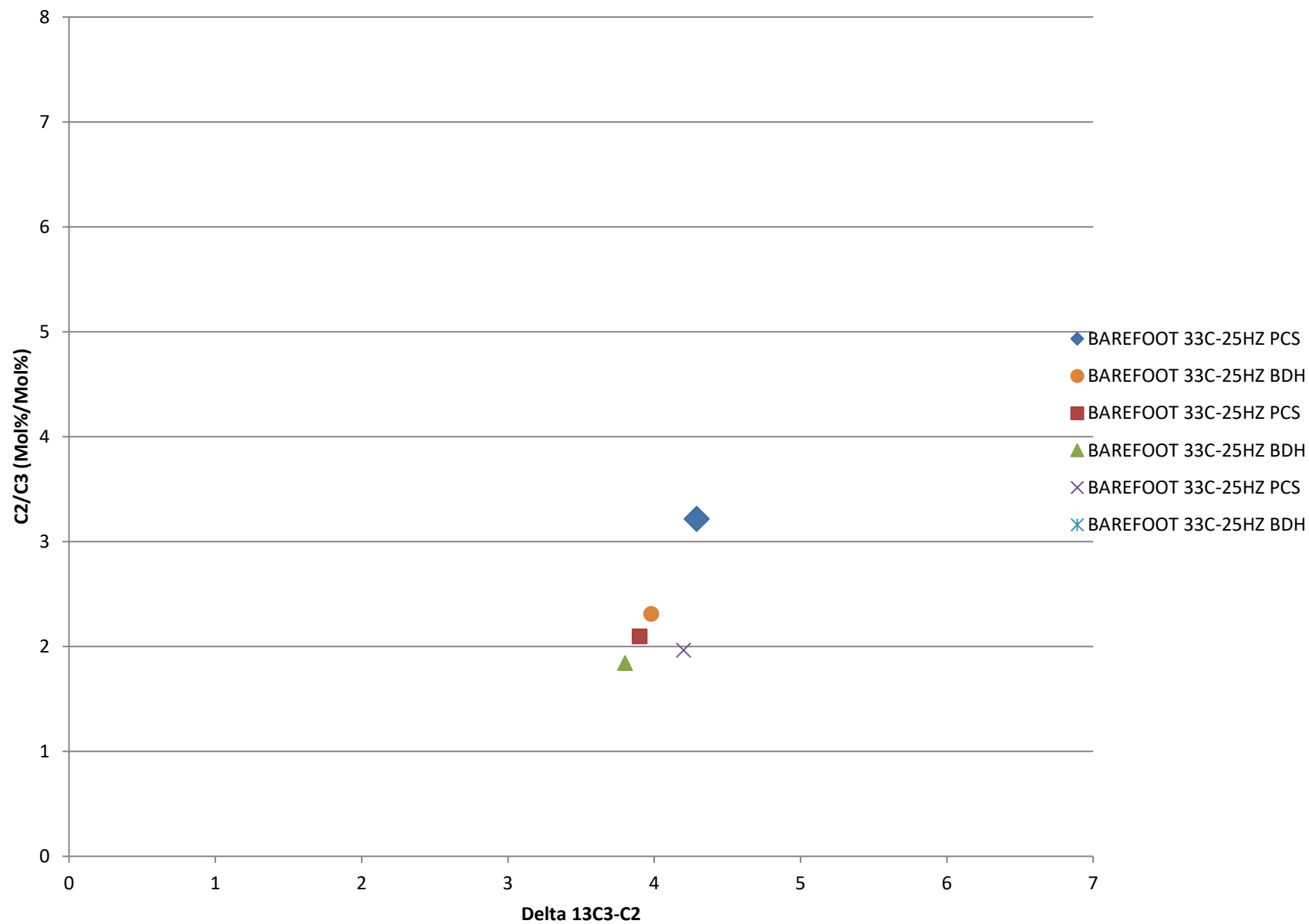


Bradenhead Test Summary





Delta13 C2/C3 vs. Delta 13C3-C2



Delta 13 IC4/ Delta NC4

