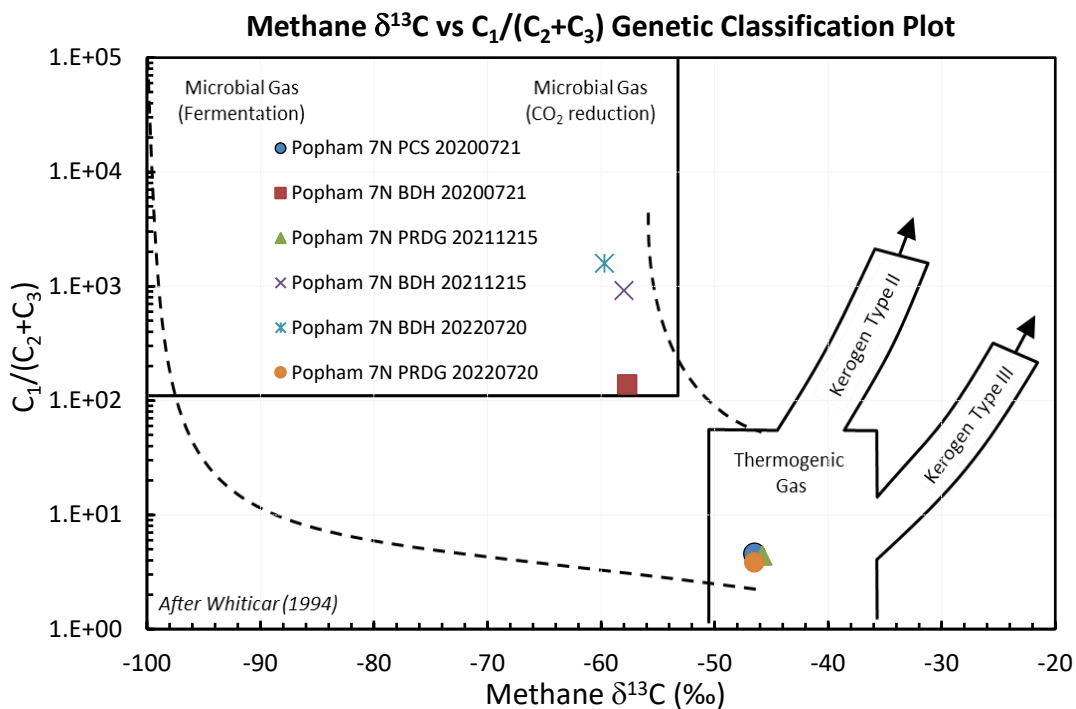
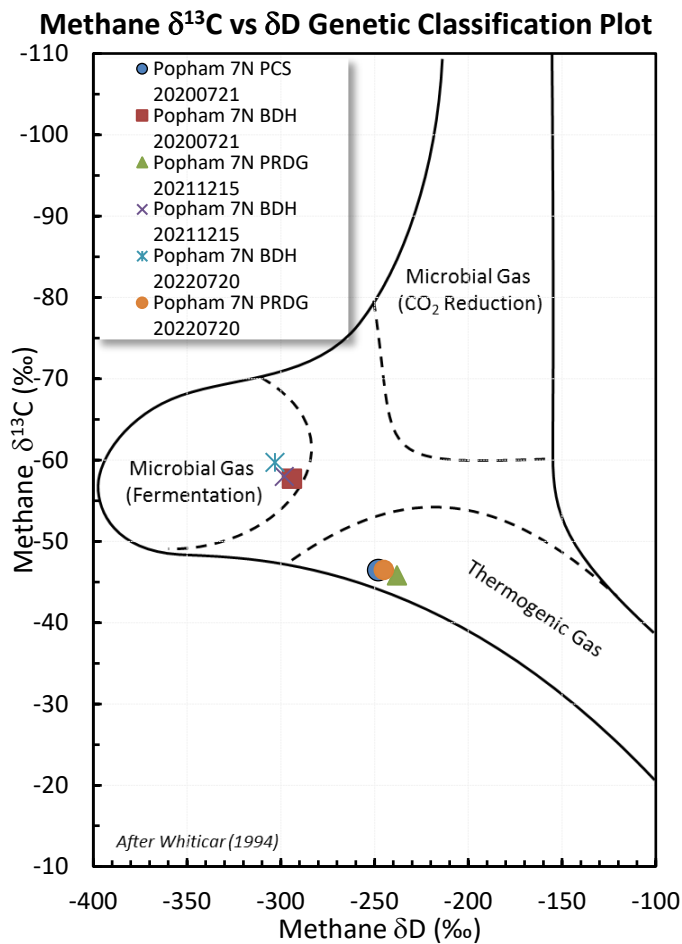
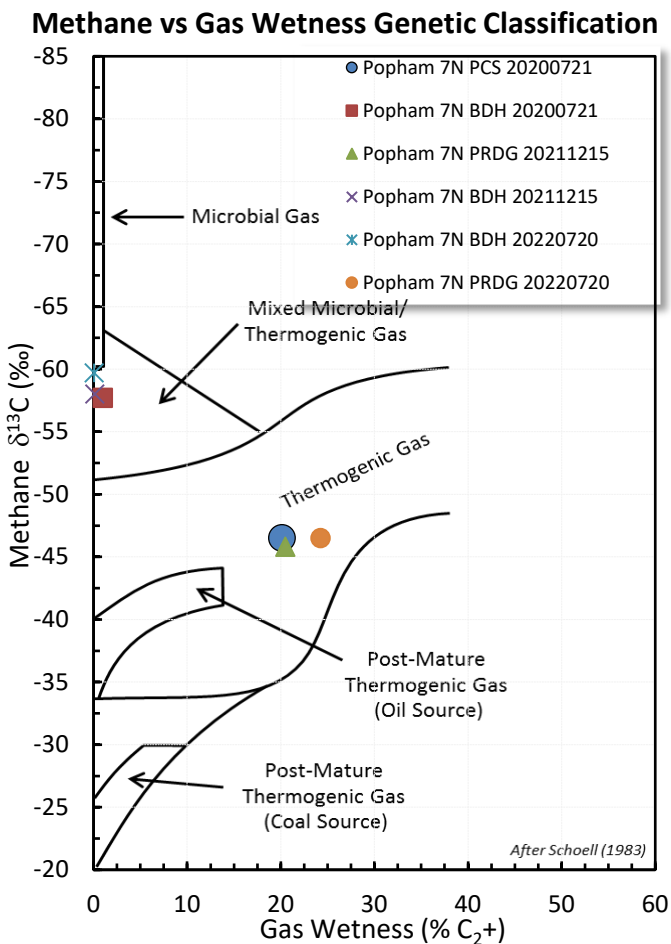
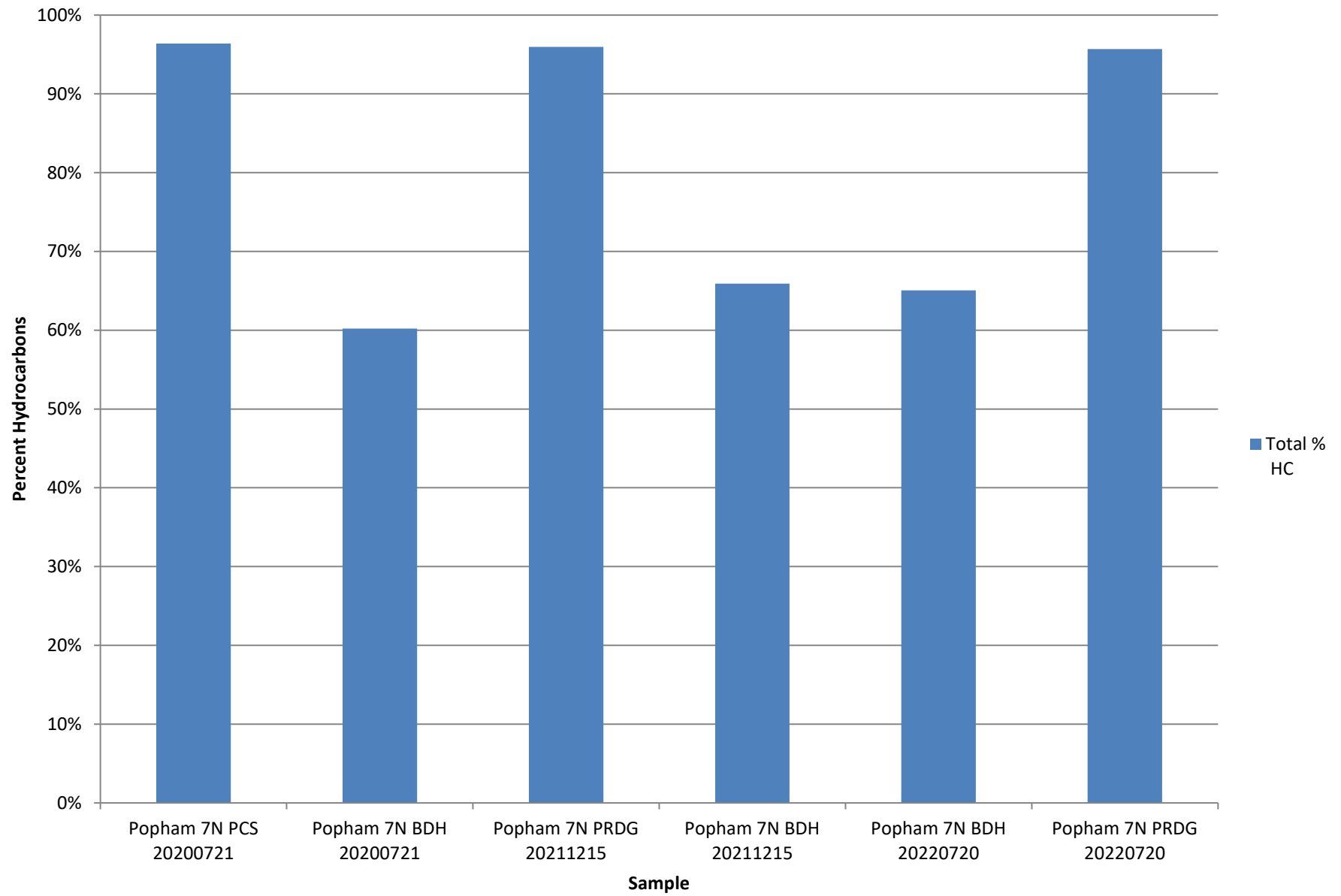


Stable Isotope Interpretive Plots



Total Percent Hydrocarbons



GAS COMPOSITION

Y-axis: GAS COMPOSITION (MOL %)

X-axis: Parameter

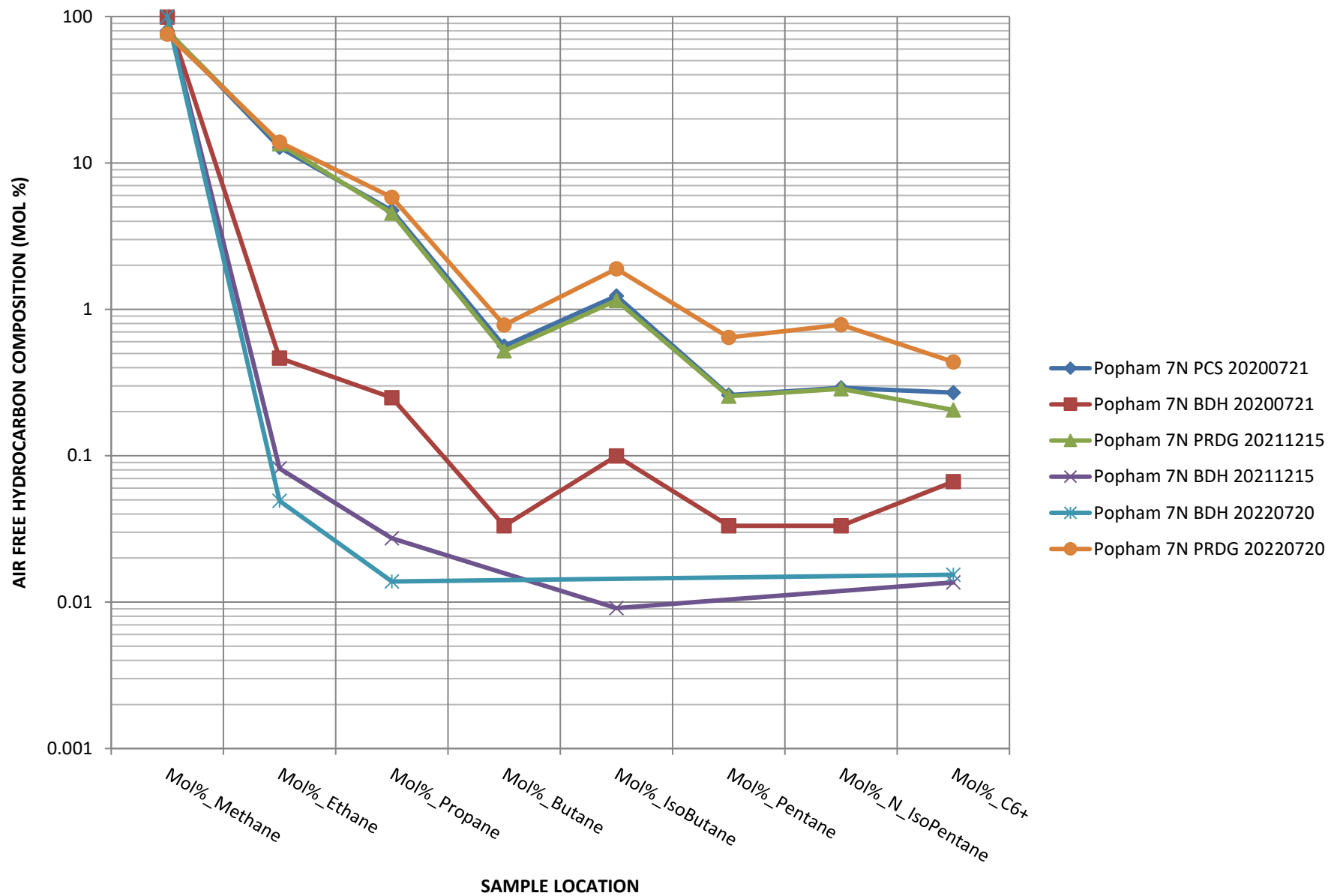
Legend:

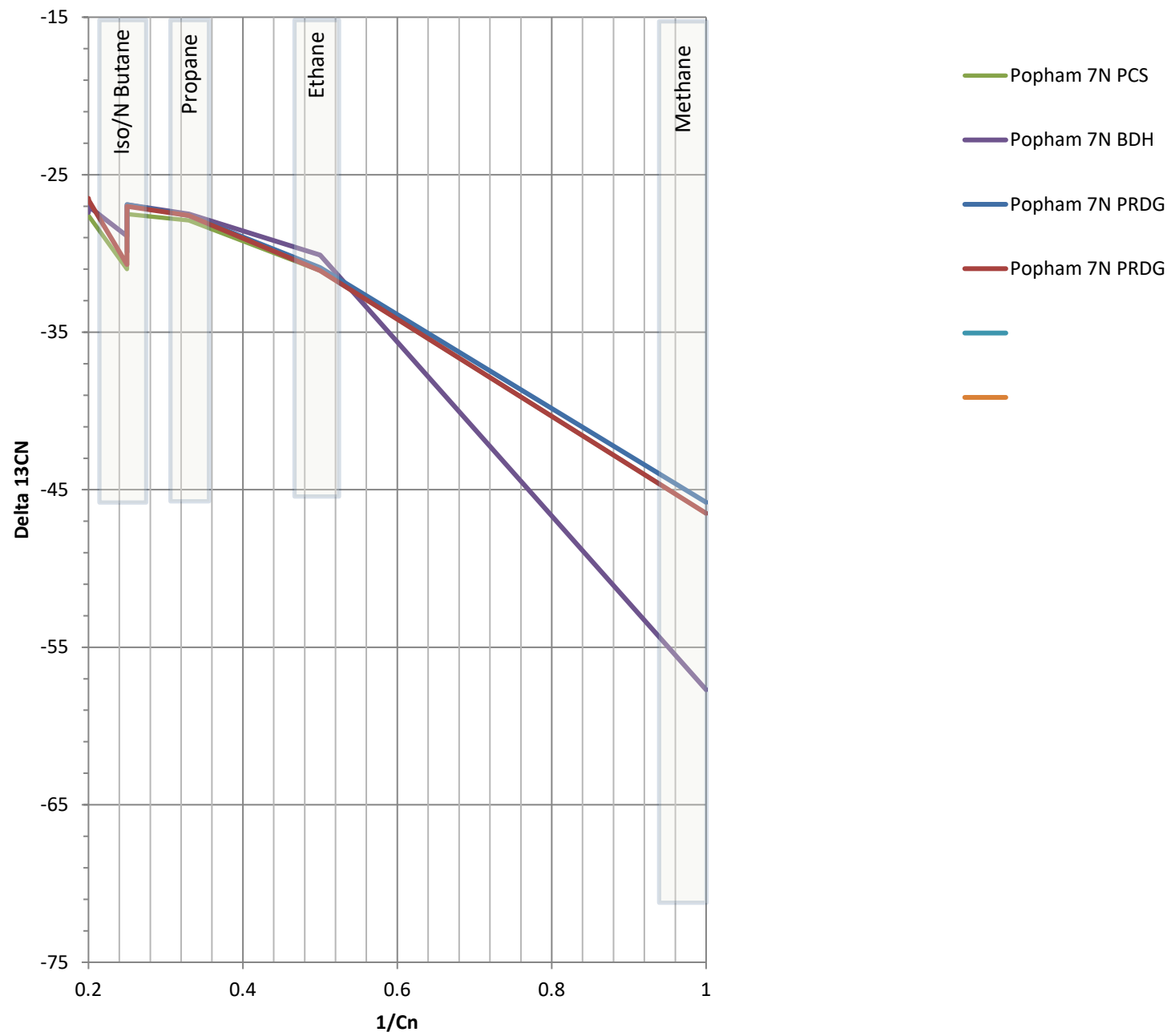
- Popham 7N PCS 20200721
- Popham 7N BDH 20200721
- Popham 7N PRDG 20211215
- Popham 7N BDH 20211215
- Popham 7N BDH 20220720
- Popham 7N PRDG 20220720

Parameter	Popham 7N PCS 20200721	Popham 7N BDH 20200721	Popham 7N PRDG 20211215	Popham 7N BDH 20211215	Popham 7N BDH 20220720	Popham 7N PRDG 20220720
Mol%_Nitrogen	1.0	25.0	1.2	2.5	3.0	1.5
Mol%_Oxygen	0.00	0.00	0.00	0.00	0.00	0.00
Mol%_Argon	0.2	1.8	0.25	0.4	0.45	0.3
Mol%_O2+AR	2.5	11.0	2.8	30.0	32.0	2.5
Mol%_CarbonDioxide	0.00	0.00	0.00	0.00	0.00	0.00
Mol%_Helium	0.00	0.3	0.00	0.00	0.00	0.00
Mol%_hydrogen	75.0	60.0	75.0	65.0	65.0	70.0
Mol%_Methane	12.0	0.3	13.0	0.05	0.03	13.0
Mol%_Ethane	5.0	0.15	4.5	0.02	0.01	6.0
Mol%_Propane	0.55	0.02	0.5	0.00	0.00	0.75
Mol%_Butane	1.2	0.06	1.1	0.00	0.00	1.8
Mol%_IsoButane	0.25	0.02	0.25	0.00	0.00	0.6
Mol%_N_Pentane	0.3	0.02	0.3	0.00	0.00	0.7
Mol%_IsoPentane	0.25	0.04	0.2	0.00	0.00	0.4
Mol%_C6+	0.00	0.00	0.00	0.00	0.00	0.45

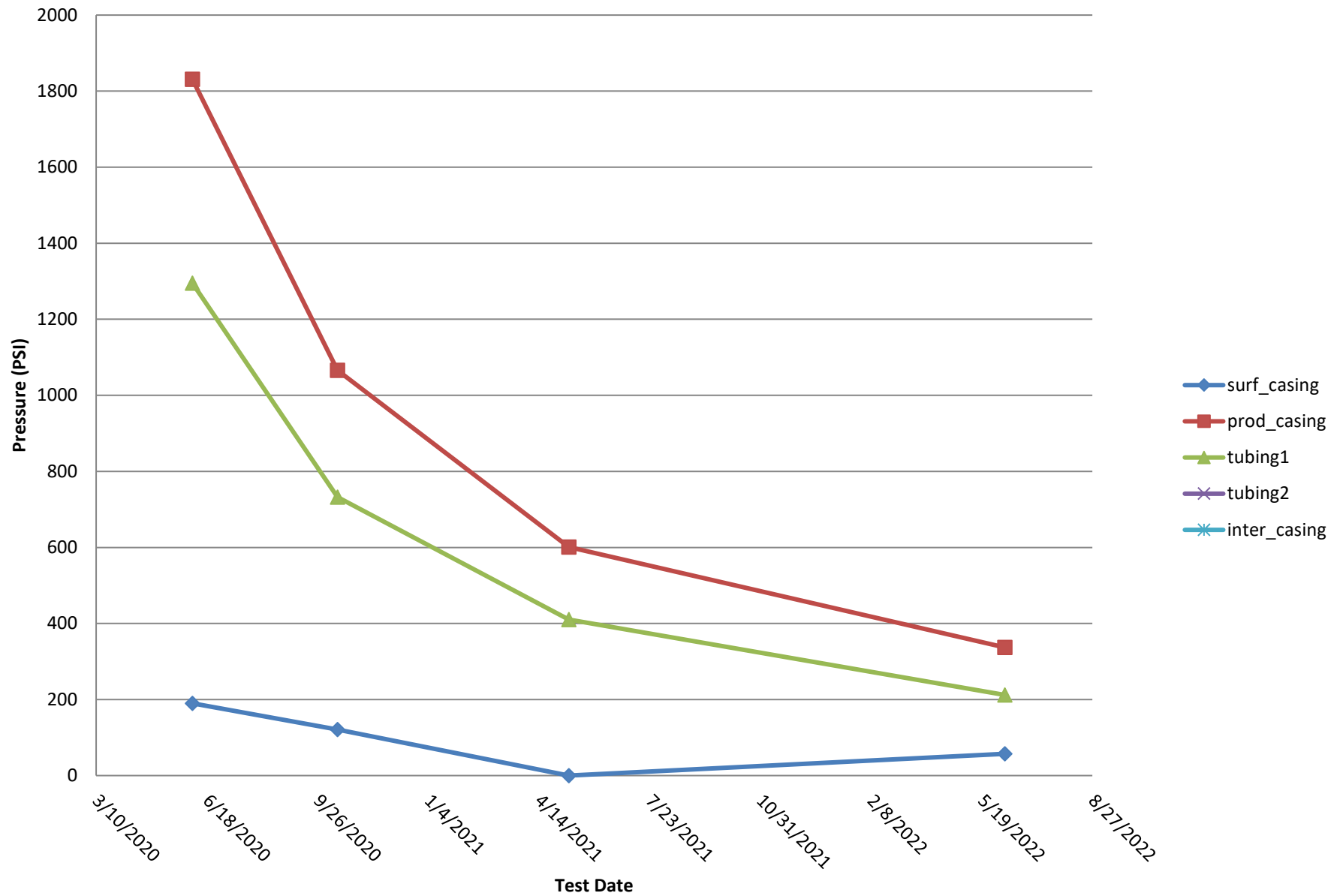
- Popham 7N PCS 20200721
- Popham 7N BDH 20200721
- Popham 7N PRDG 20211215
- Popham 7N BDH 20211215
- Popham 7N BDH 20220720
- Popham 7N PRDG 20220720

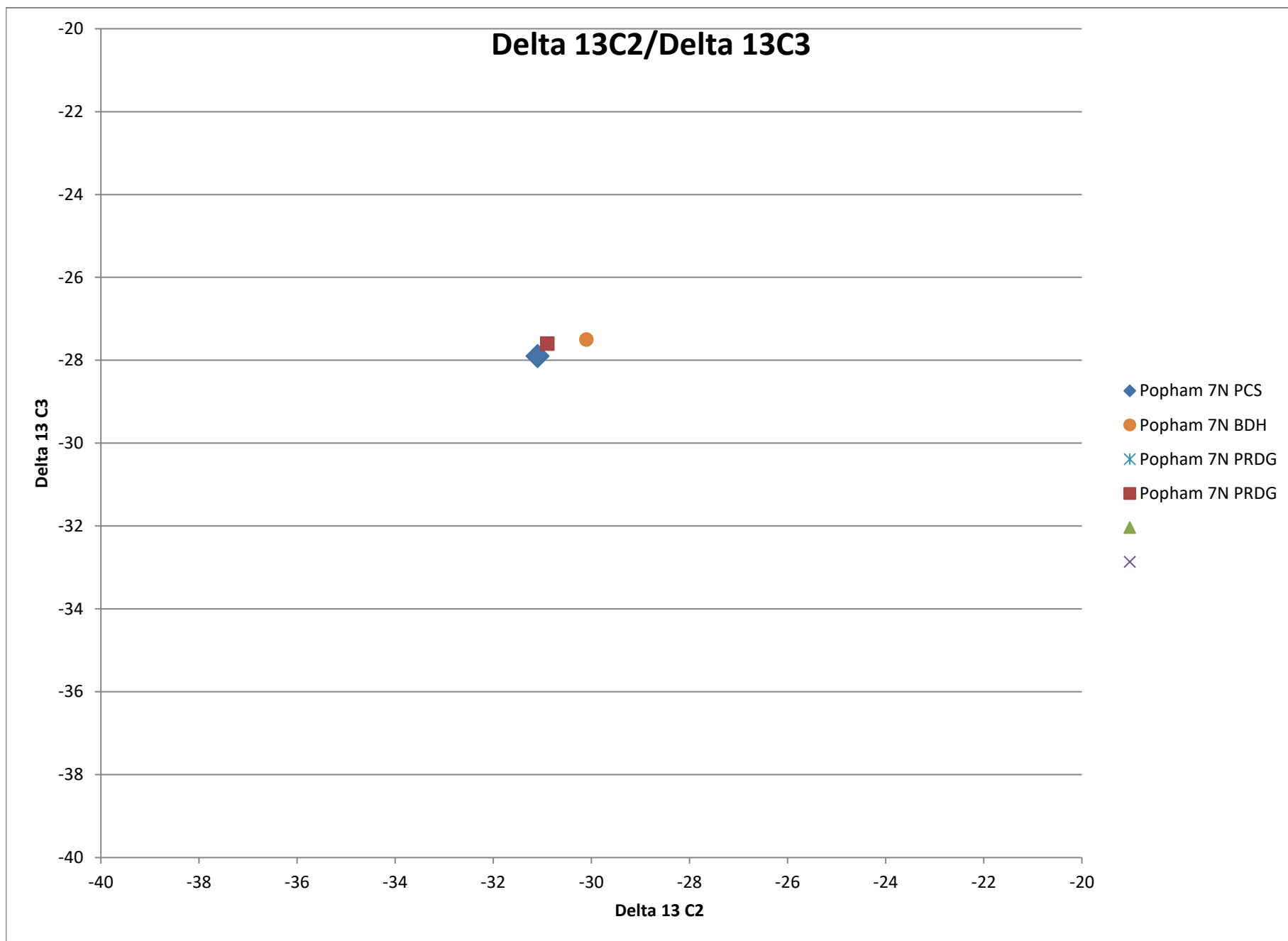
HYDROCARBON COMPOSITION



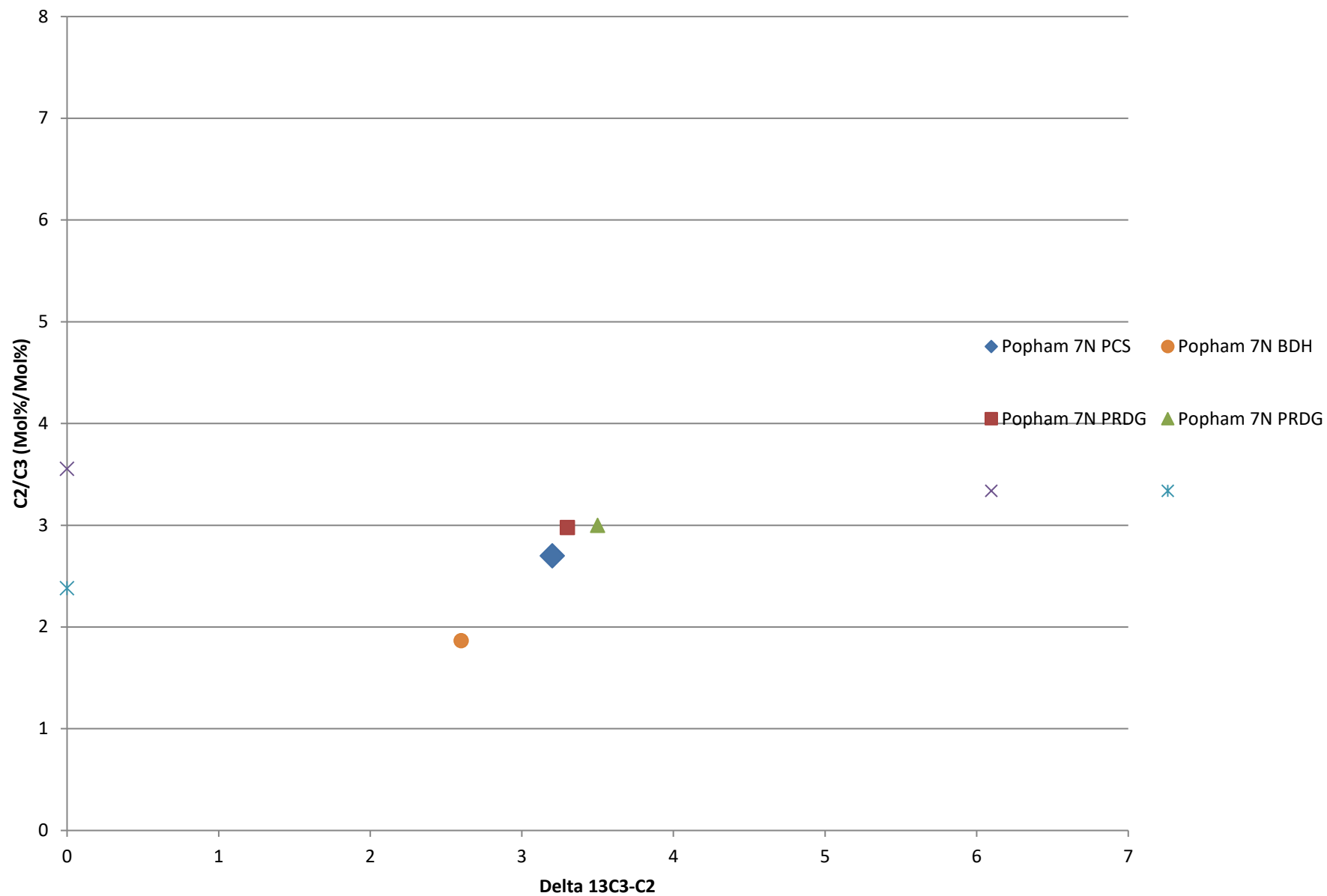


Bradenhead Test Summary





Delta13 C2/C3 vs. Delta 13C3-C2



Delta 13 IC4/ Delta NC4

