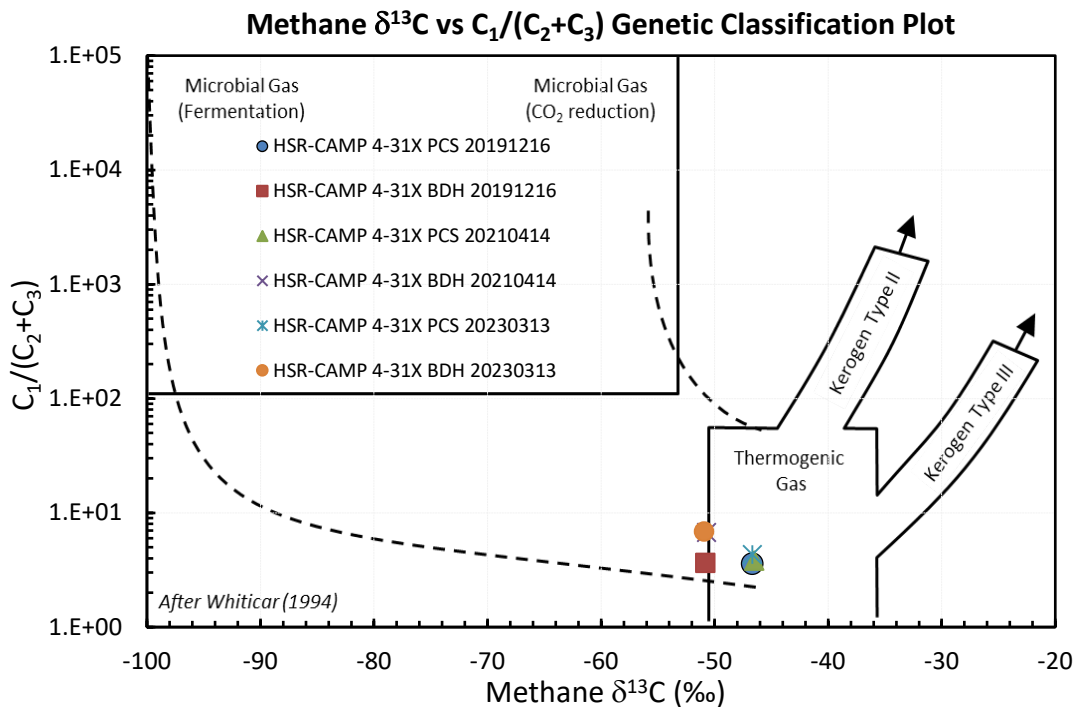
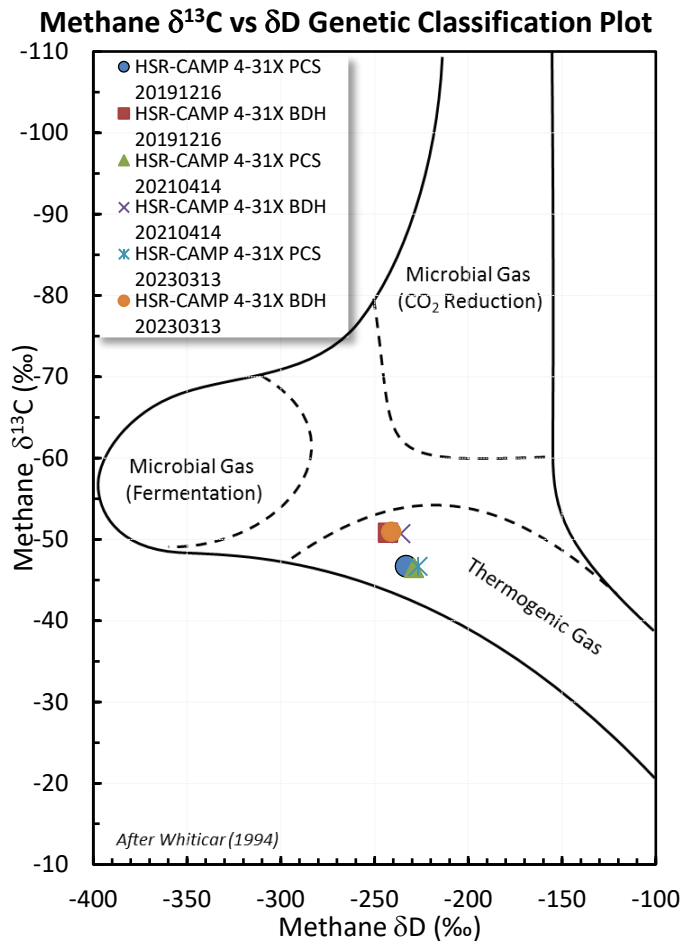
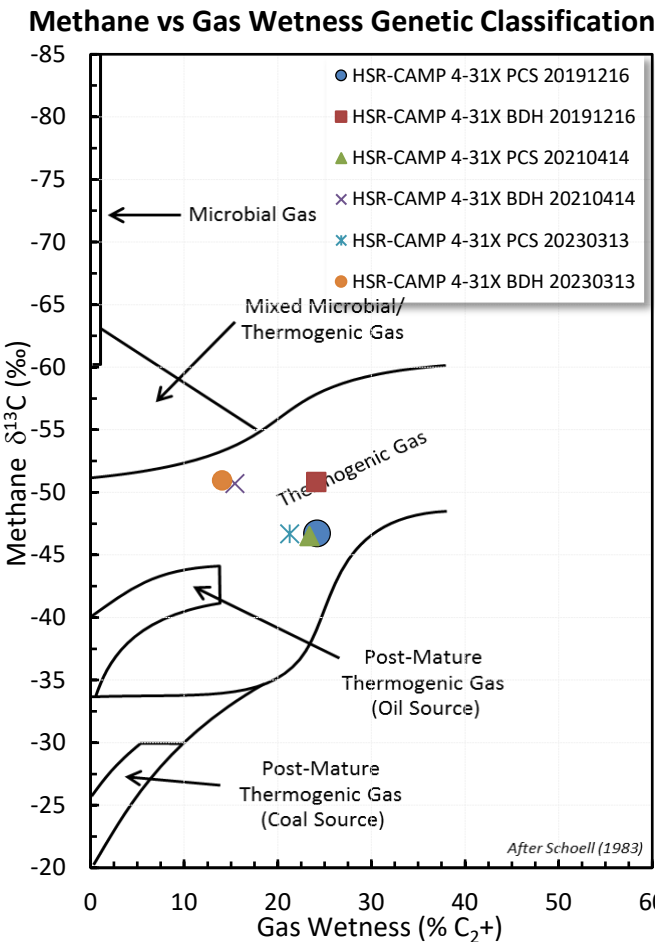
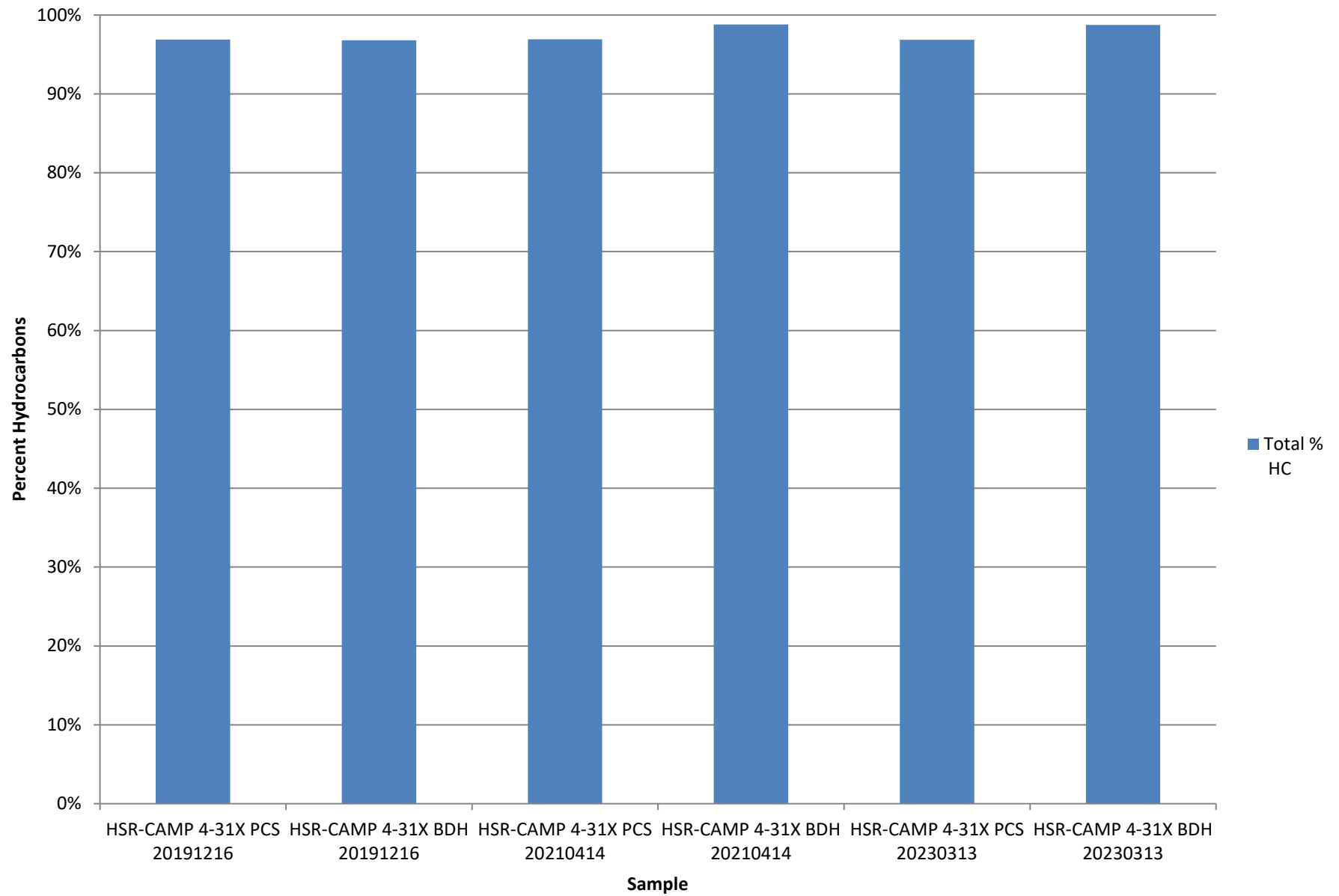


Stable Isotope Interpretive Plots



Total Percent Hydrocarbons



GAS COMPOSITION

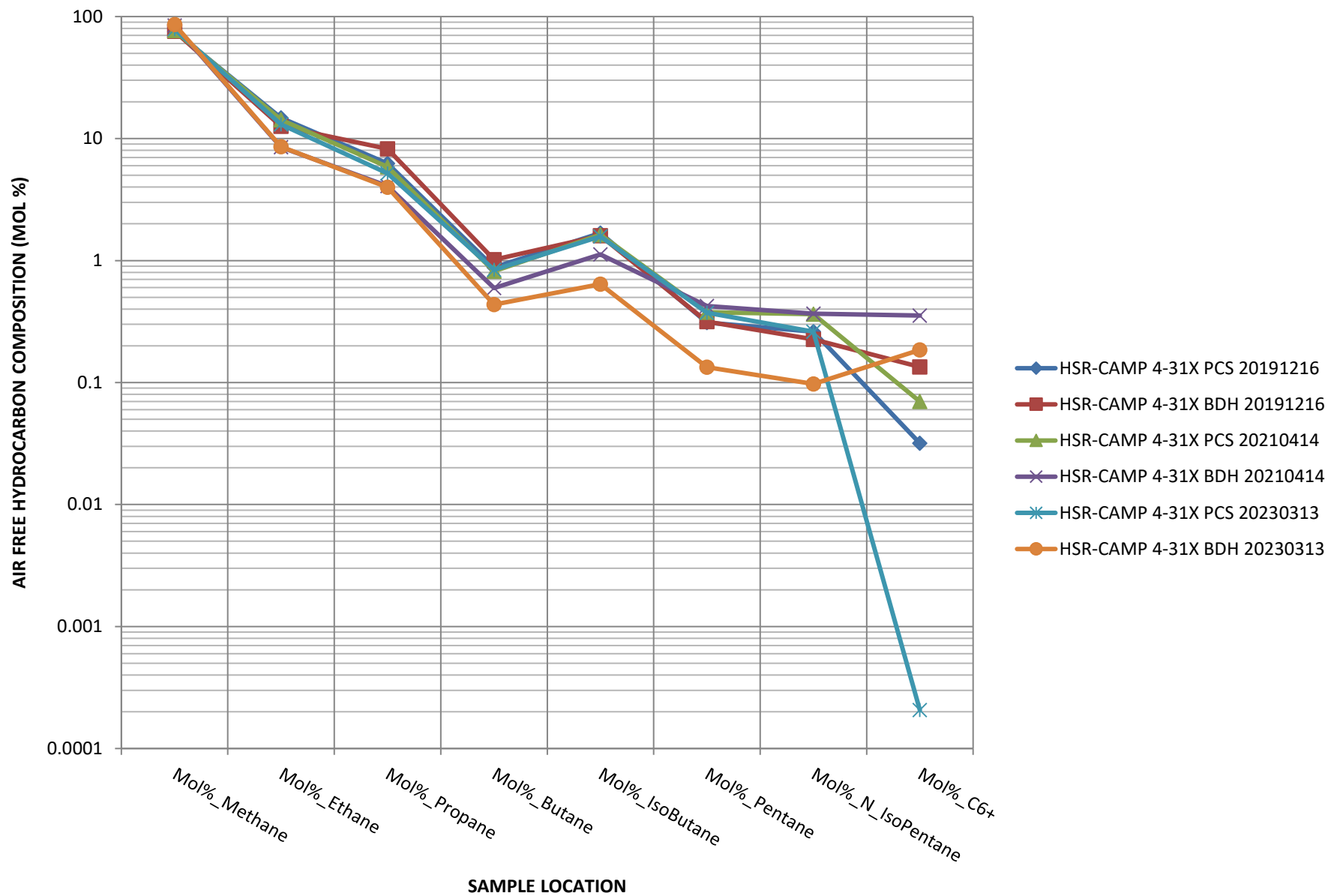
Legend:

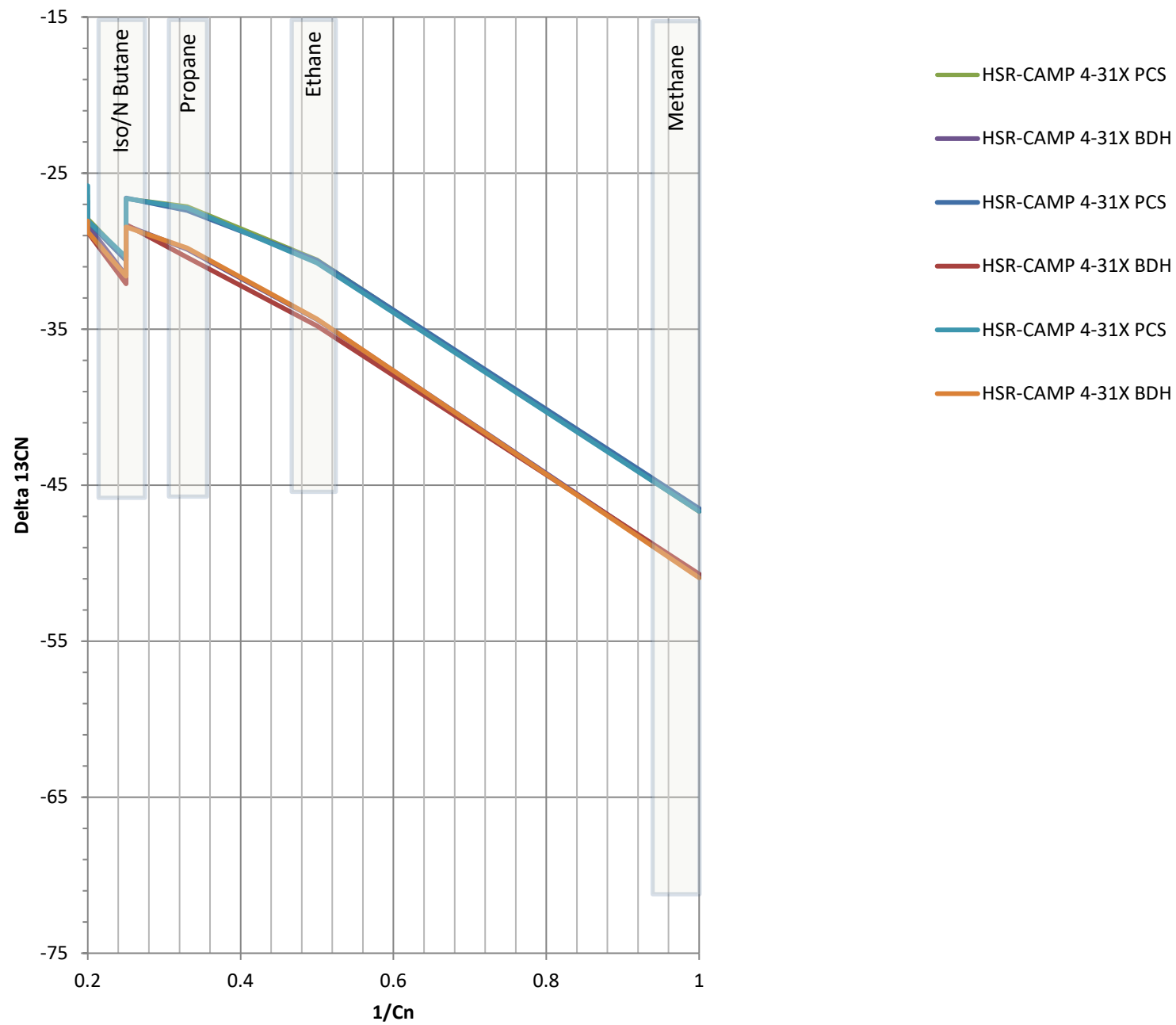
- HSR-CAMP 4-31X PCS 20191216
- HSR-CAMP 4-31X BDH 20191216
- HSR-CAMP 4-31X PCS 20210414
- HSR-CAMP 4-31X BDH 20210414
- HSR-CAMP 4-31X PCS 20230313

Parameter	HSR-CAMP 4-31X PCS 20191216	HSR-CAMP 4-31X BDH 20191216	HSR-CAMP 4-31X PCS 20210414	HSR-CAMP 4-31X BDH 20210414	HSR-CAMP 4-31X PCS 20230313
Mol%_Nitrogen	0.25	2.8	0.25	1.2	1.2
Mol%_Oxygen	0.015	0.5	0.012	0.015	0.012
Mol%_Argon	0.001	0.001	0.001	0.001	0.001
Mol%_O2+AR	3.0	0.001	3.0	0.001	3.0
Mol%_CarbonDioxide	0.001	0.001	0.001	0.001	0.001
Mol%_CarbonMonoxide	0.001	0.015	0.001	0.025	0.025
Mol%_Helium	0.001	0.001	0.001	0.001	0.001
Mol%_hydrogen	70	70	70	80	80
Mol%_Methane	15	12	15	8	12
Mol%_Ethane	6	7.5	5.5	4.5	5
Mol%_Propane	0.8	1.0	0.8	0.6	0.8
Mol%_Butane	1.8	1.8	1.8	1.1	1.8
Mol%_IsoButane	0.35	0.35	0.35	0.45	0.35
Mol%_N_Pentane	0.28	0.25	0.38	0.4	0.28
Mol%_IsoPentane	0.035	0.15	0.07	0.38	0.07
Mol%_C6+	0.001	0.001	0.001	0.001	0.2

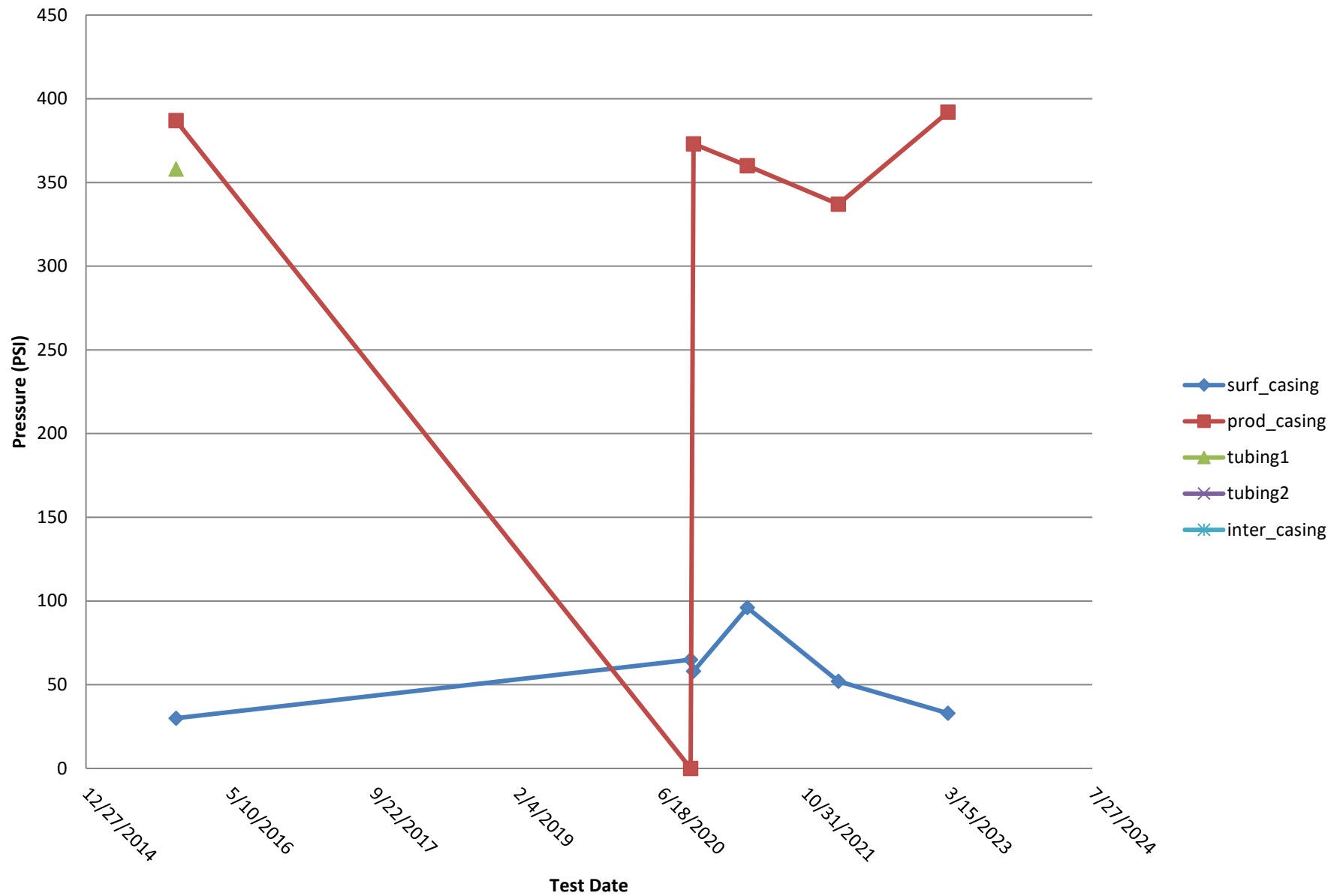
- HSR-CAMP 4-31X PCS
20191216
- HSR-CAMP 4-31X BDH
20191216
- HSR-CAMP 4-31X PCS
20210414
- HSR-CAMP 4-31X BDH
20210414
- HSR-CAMP 4-31X PCS
20230313

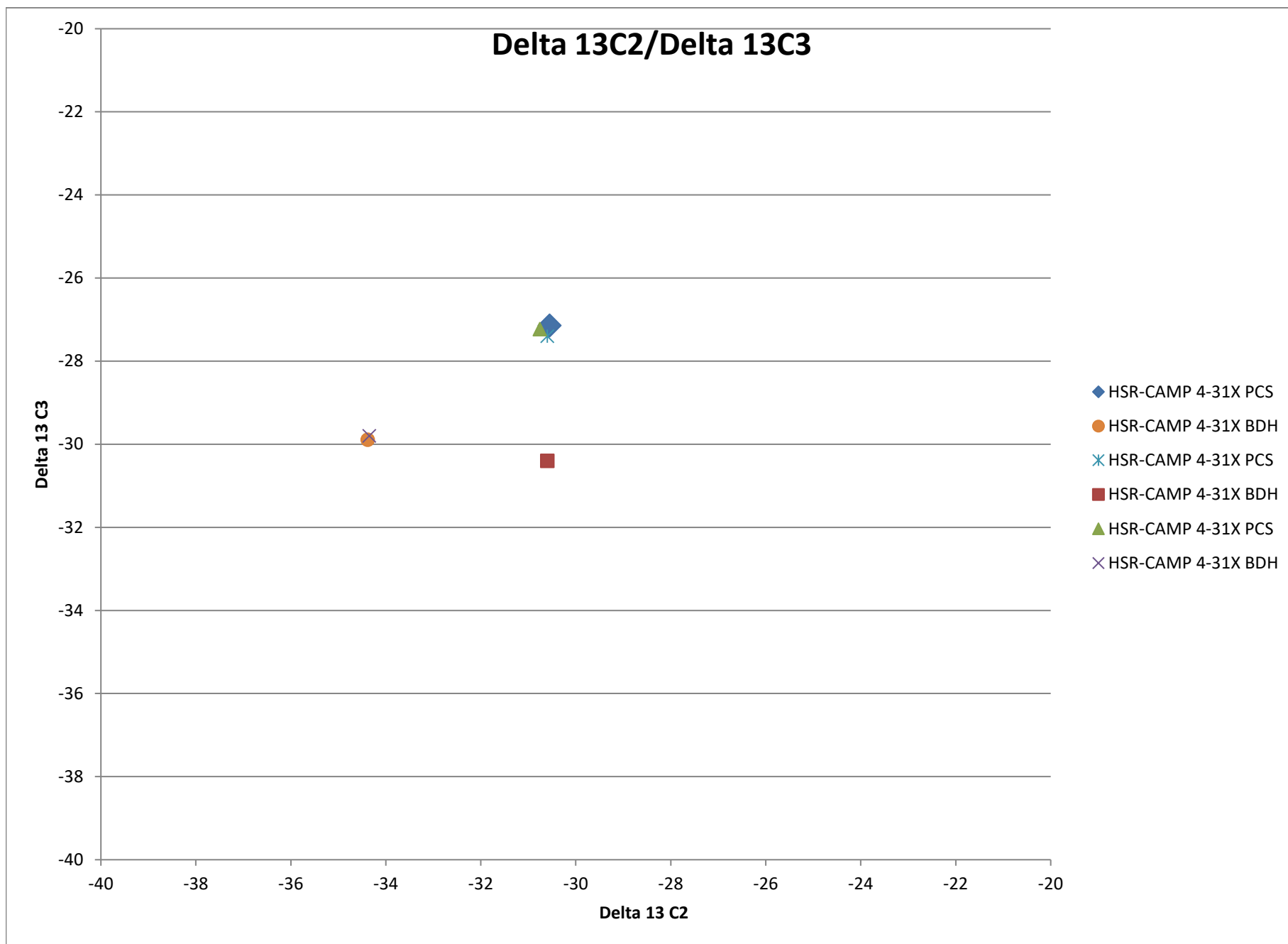
HYDROCARBON COMPOSITION



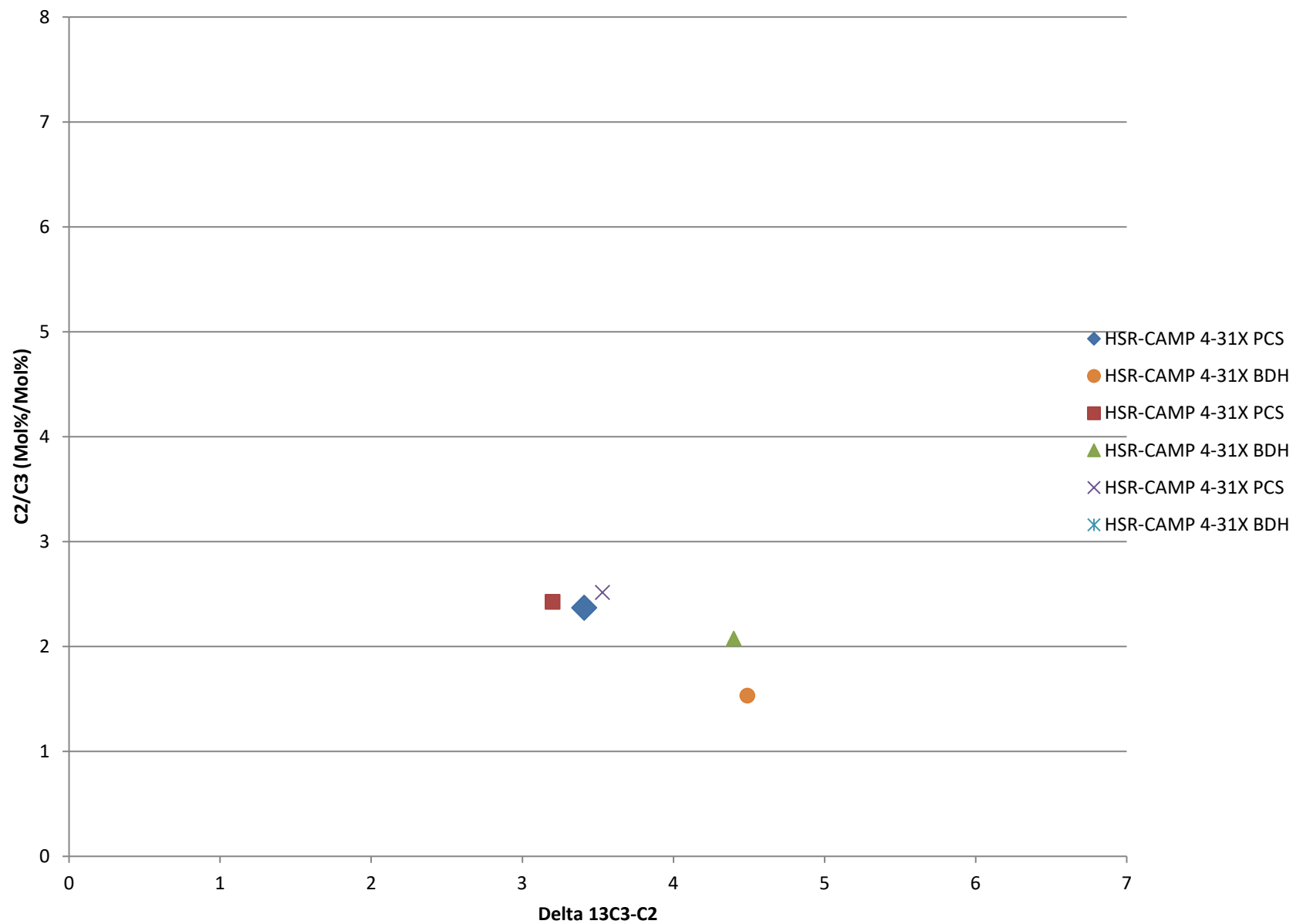


Bradenhead Test Summary





Delta13 C2/C3 vs. Delta 13C3-C2



Delta 13 IC4/ Delta NC4

