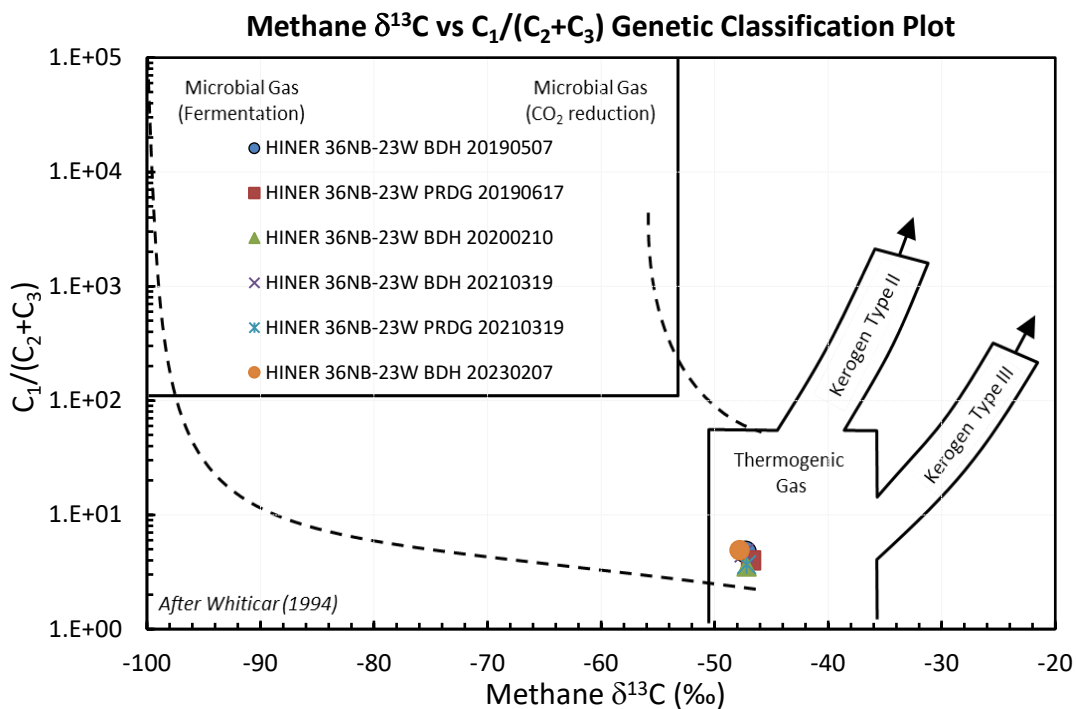
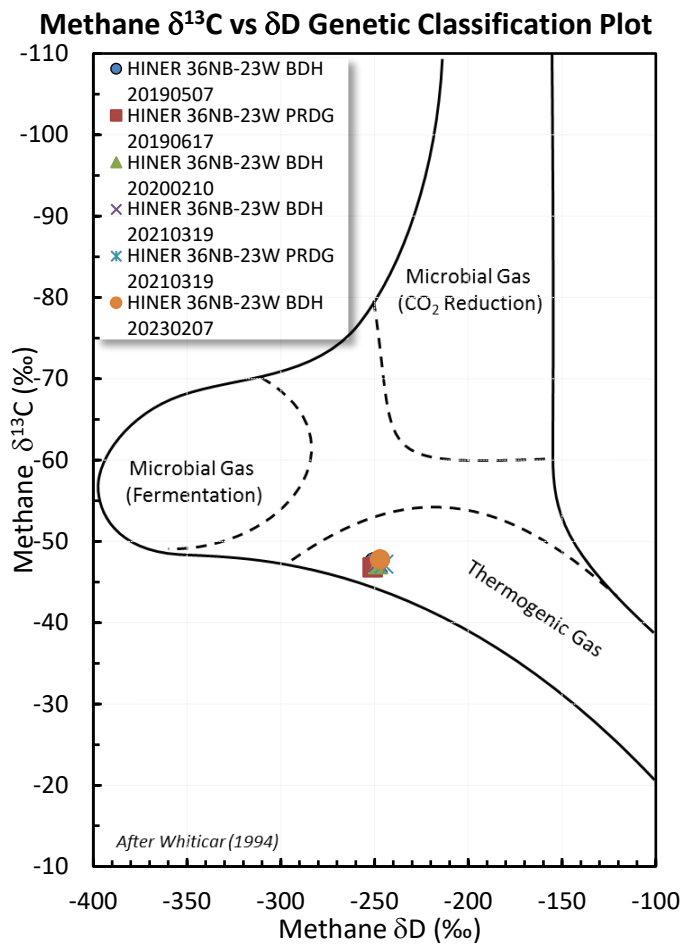
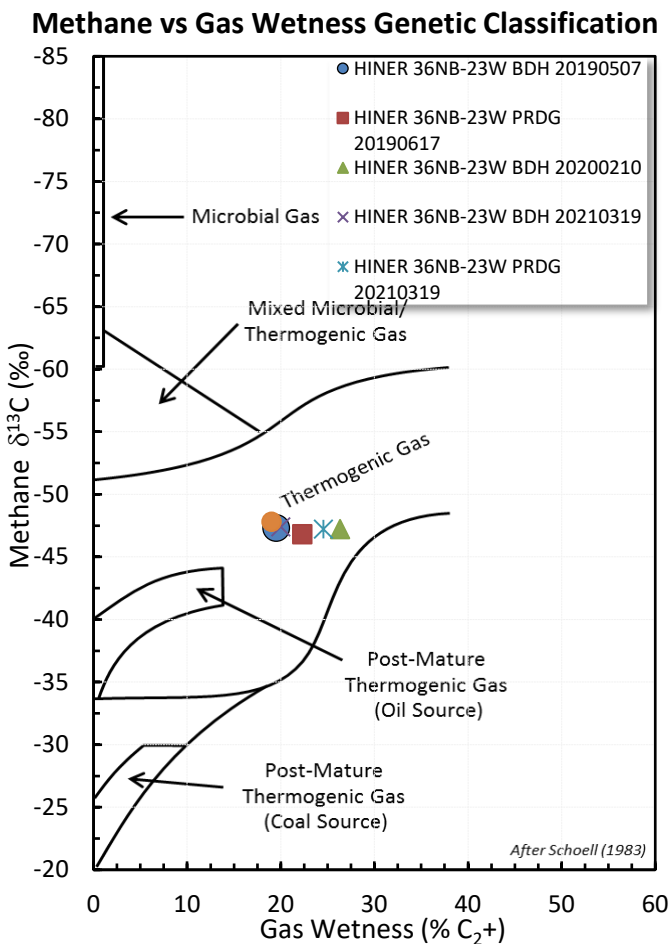
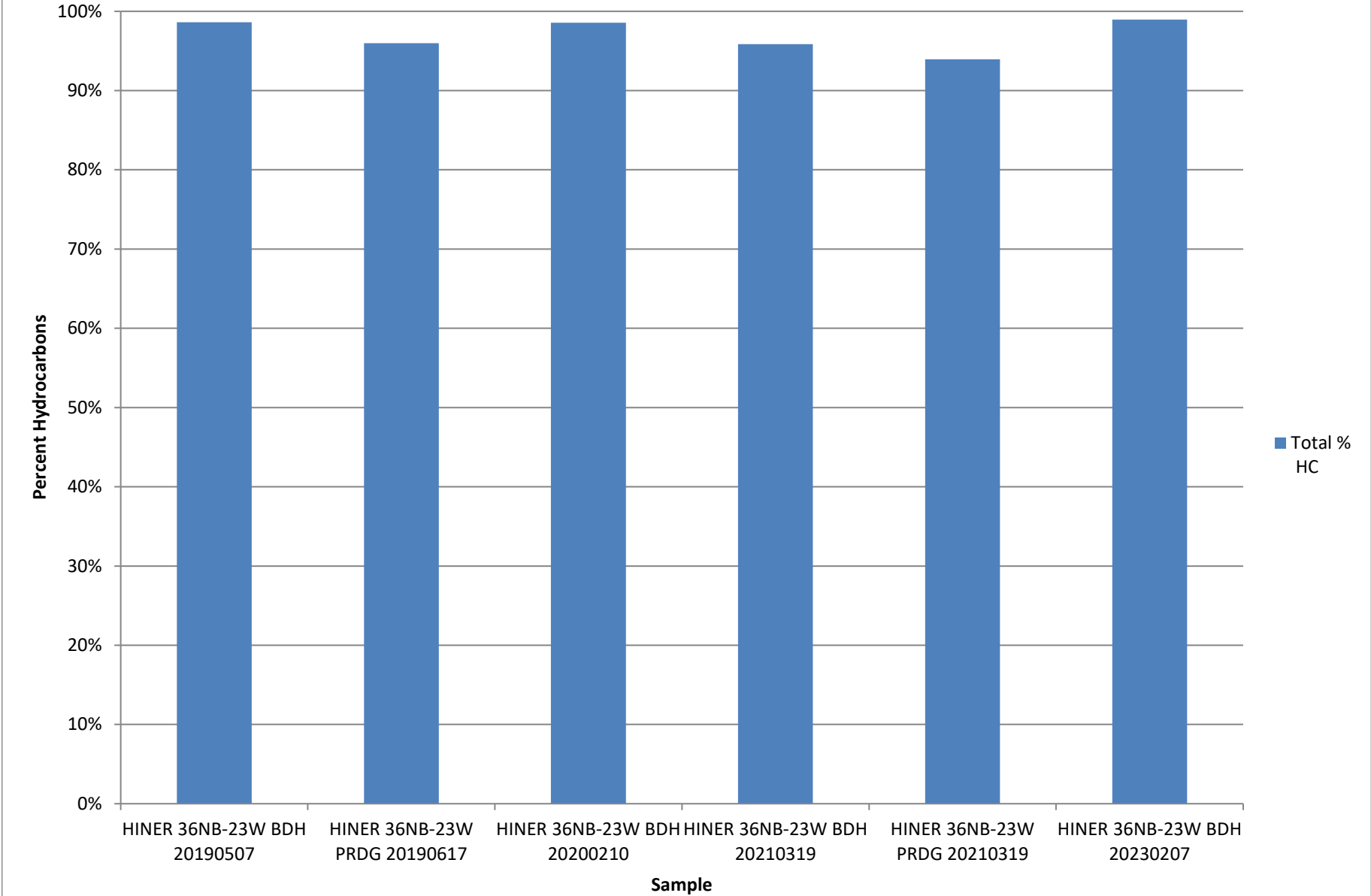


Stable Isotope Interpretive Plots



Total Percent Hydrocarbons



GAS COMPOSITION

GAS COMPOSITION (MOL %)

Parameter

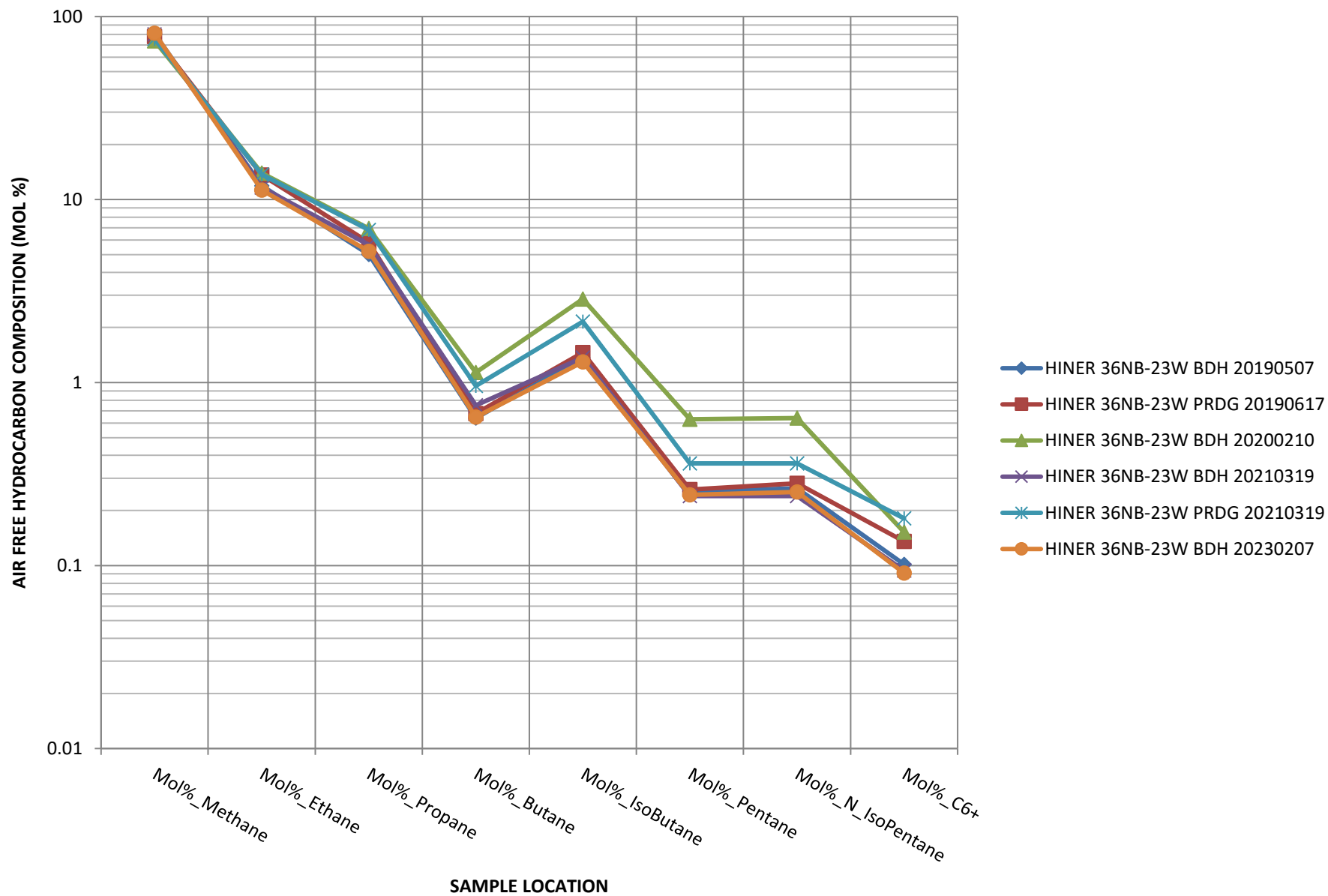
Legend:

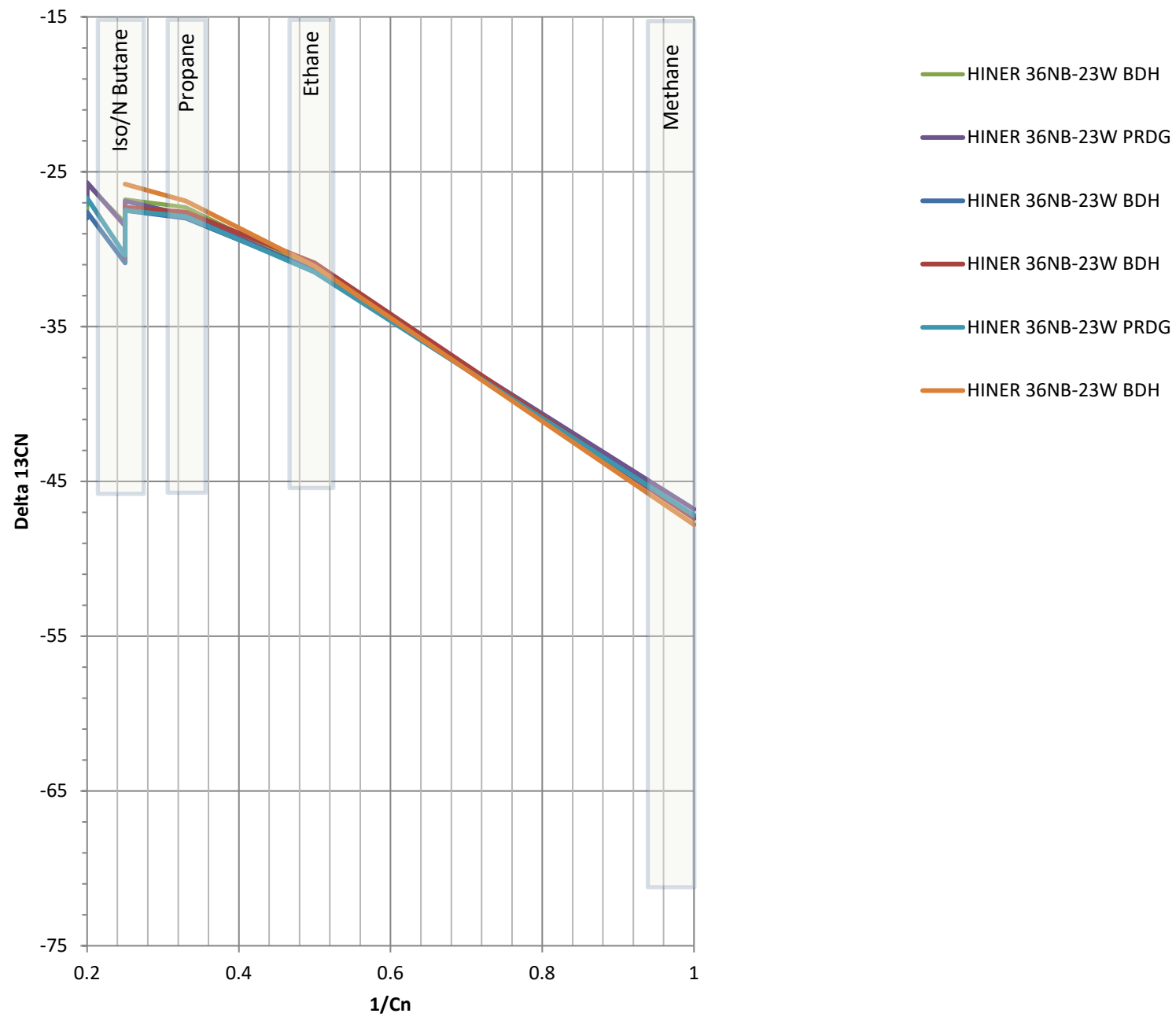
- HINER 36NB-23W BDH 20190507
- HINER 36NB-23W PRDG 20190617
- HINER 36NB-23W BDH 20200210
- HINER 36NB-23W BDH 20210319
- HINER 36NB-23W PRDG 20210319
- HINER 36NB-23W PRDG 20210319

Parameter	HINER 36NB-23W BDH 20190507	HINER 36NB-23W PRDG 20190617	HINER 36NB-23W BDH 20200210	HINER 36NB-23W BDH 20210319	HINER 36NB-23W PRDG 20210319	HINER 36NB-23W PRDG 20210319
Mol%_Nitrogen	1.2	1.4	0.5	0.5	3.0	1.0
Mol%_Oxygen	0.00	0.00	0.00	0.00	0.00	0.00
Mol%_Argon	0.18	0.30	0.08	0.70	0.75	0.07
Mol%_O2+AR	0.00	2.5	0.70	0.22	2.2	0.00
Mol%_CarbonDioxide	0.00	0.00	0.00	0.00	0.00	0.00
Mol%_Helium	0.00	0.00	0.10	0.00	0.00	0.00
Mol%_hydrogen	75	70	70	70	65	80
Mol%_Methane	12	13	14	11	13	11
Mol%_Ethane	5.0	5.5	6.5	5.0	6.0	5.0
Mol%_Propane	0.60	0.60	1.1	0.70	0.90	0.60
Mol%_Butane	1.4	1.4	2.8	1.3	2.0	1.3
Mol%_IsoButane	0.25	0.25	0.60	0.22	0.35	0.25
Mol%_N_Pentane	0.25	0.28	0.60	0.22	0.35	0.25
Mol%_IsoPentane	0.10	0.13	0.15	0.09	0.18	0.09
Mol%_C6+	0.00	0.00	0.00	0.00	0.00	0.00

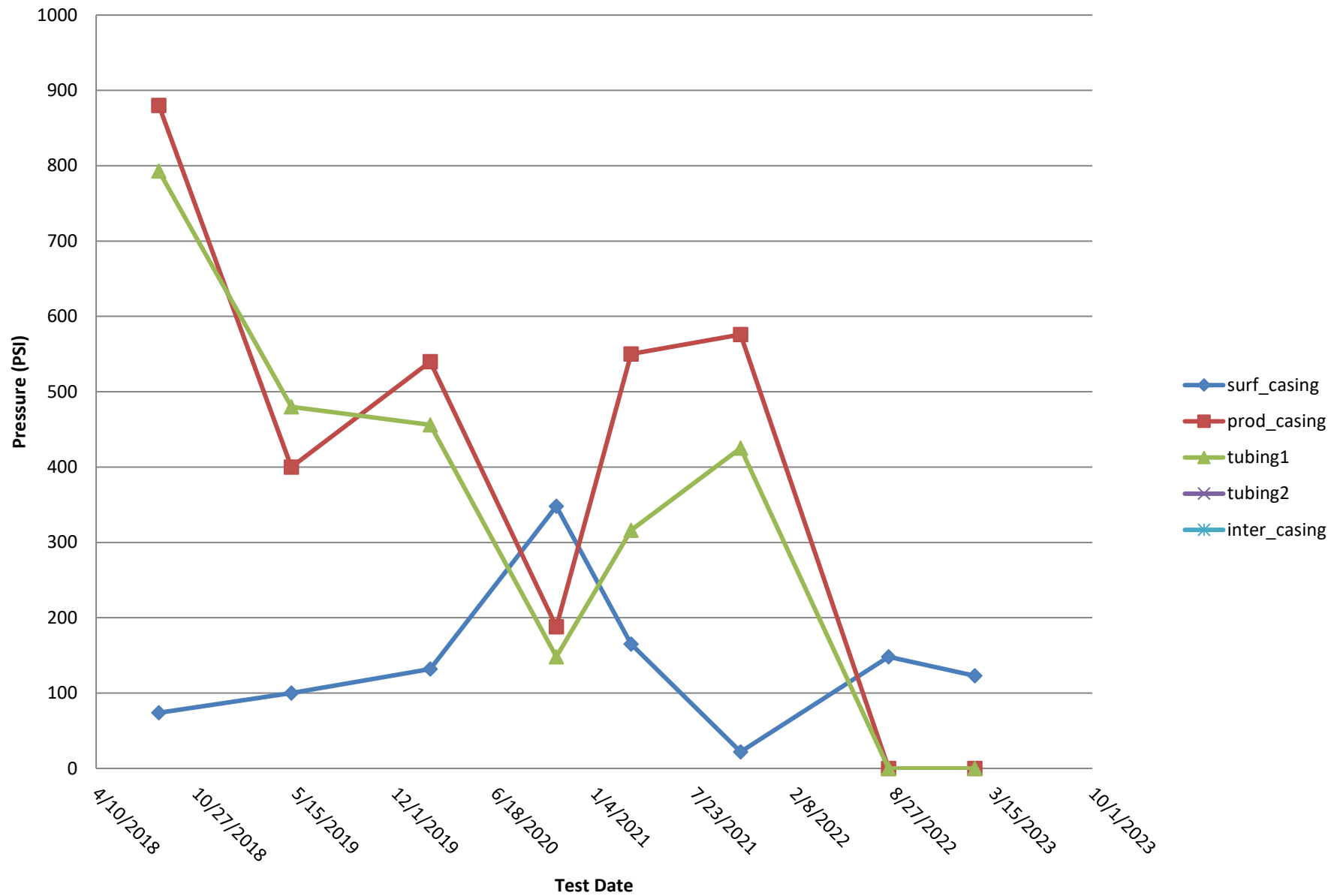
- HINER 36NB-23W BDH
20190507
- HINER 36NB-23W PRDG
20190617
- HINER 36NB-23W BDH
20200210
- HINER 36NB-23W BDH
20210319
- HINER 36NB-23W PRDG
20210319

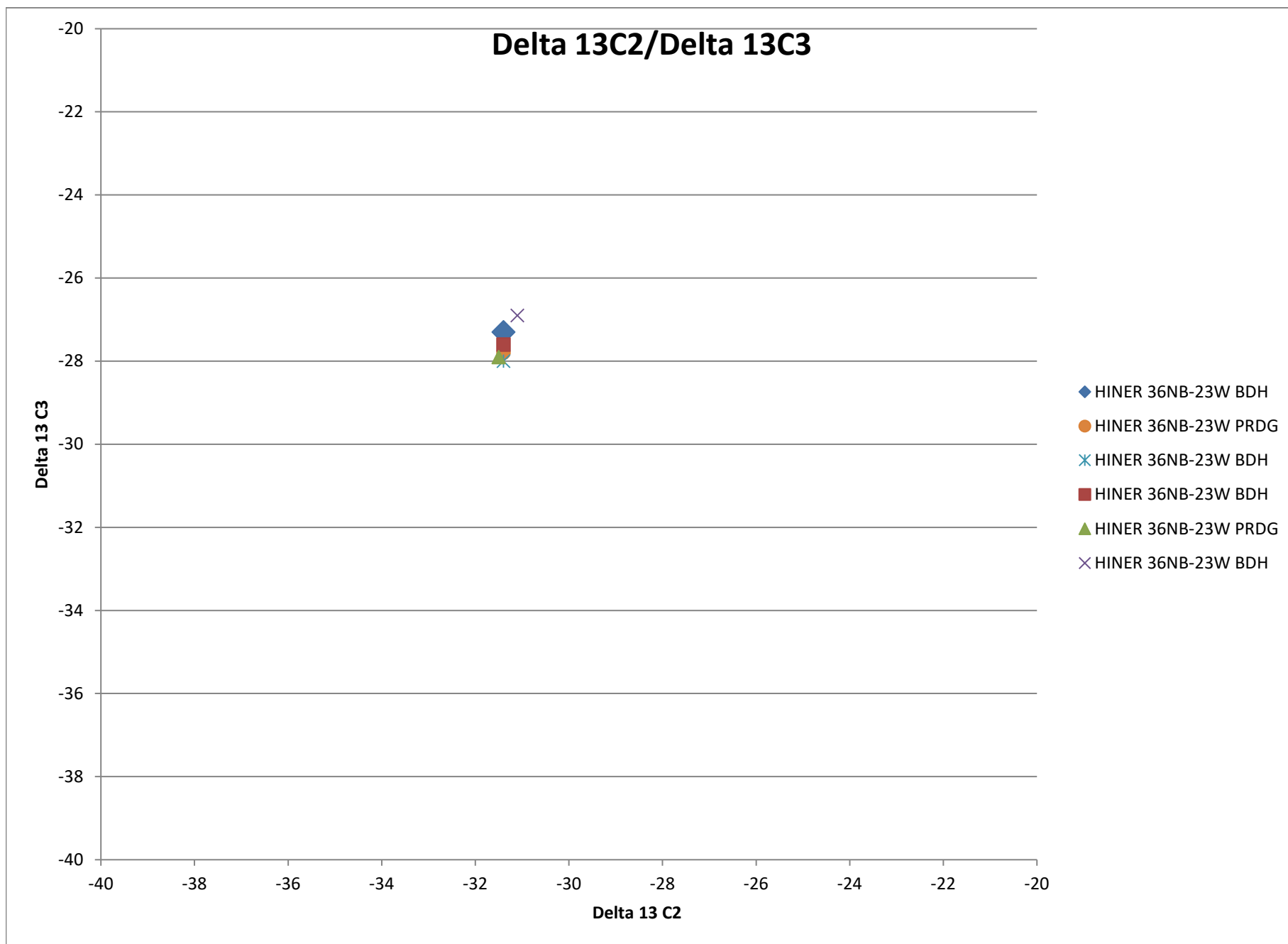
HYDROCARBON COMPOSITION



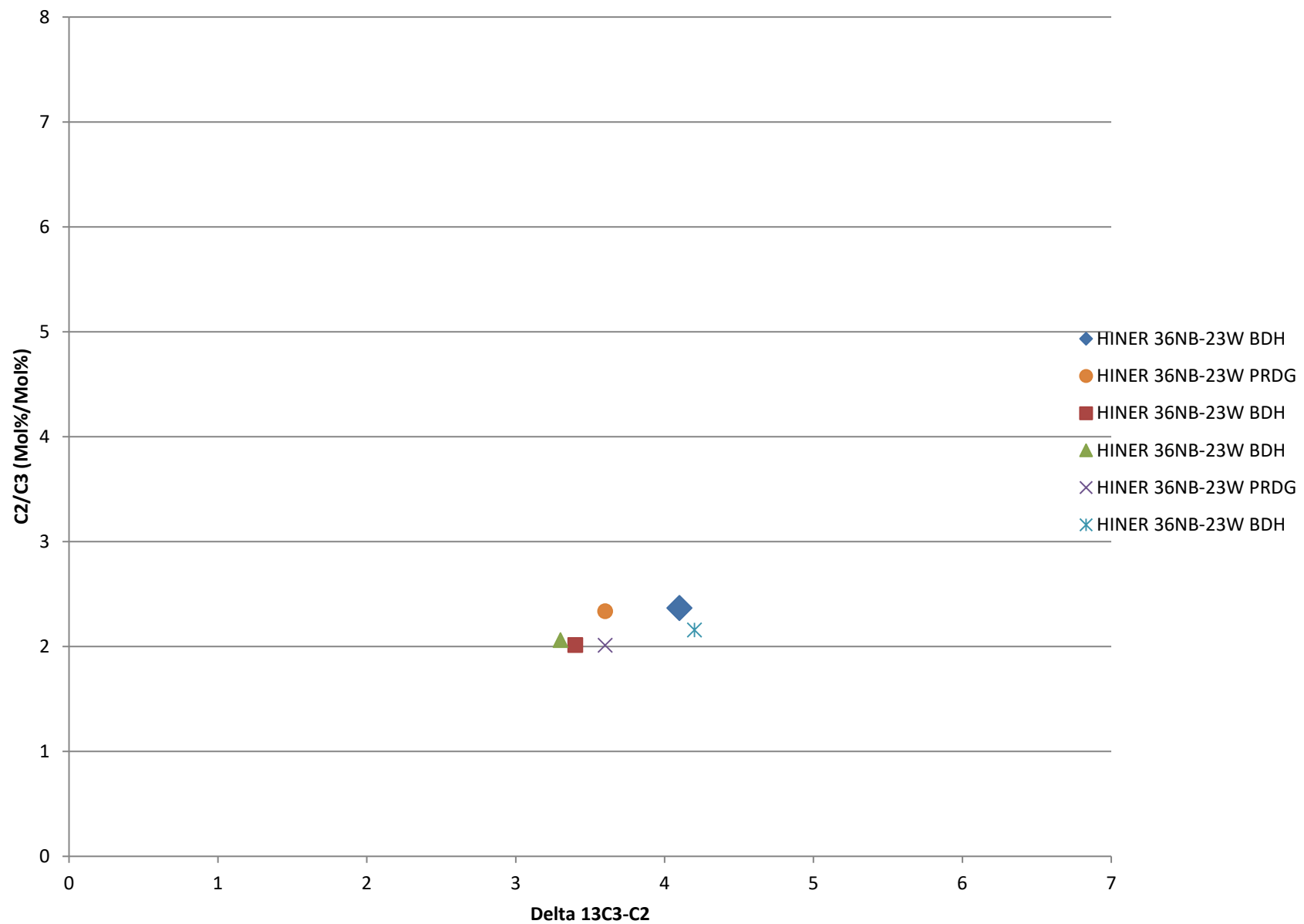


Bradenhead Test Summary





Delta13 C2/C3 vs. Delta 13C3-C2



Delta 13 IC4/ Delta NC4

