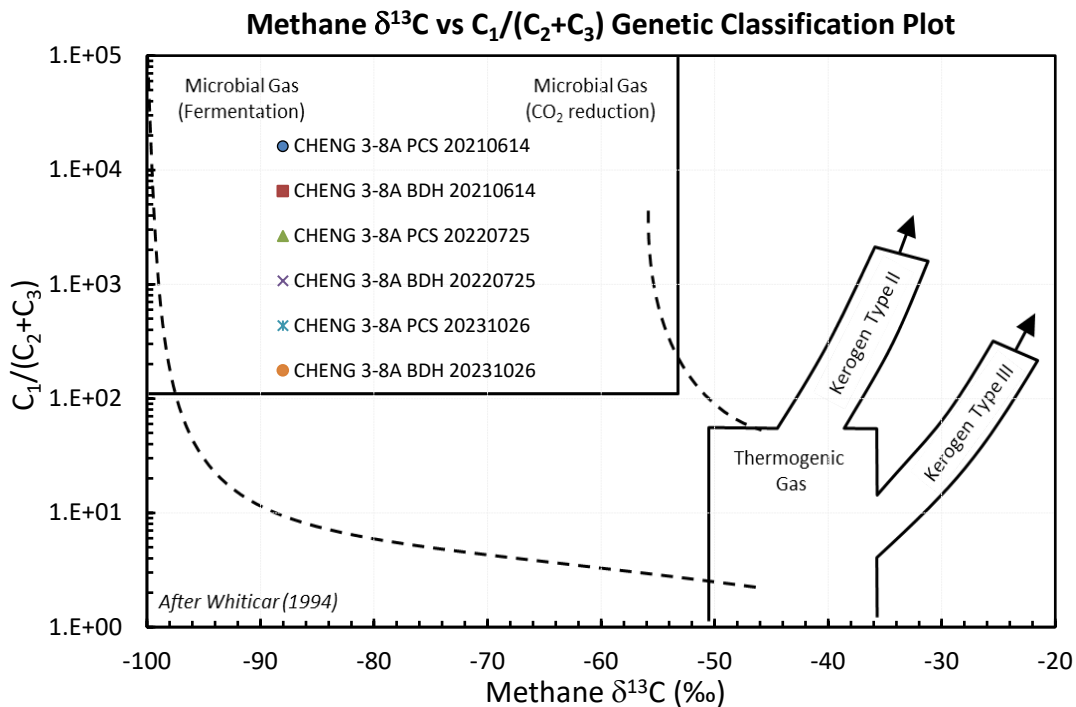
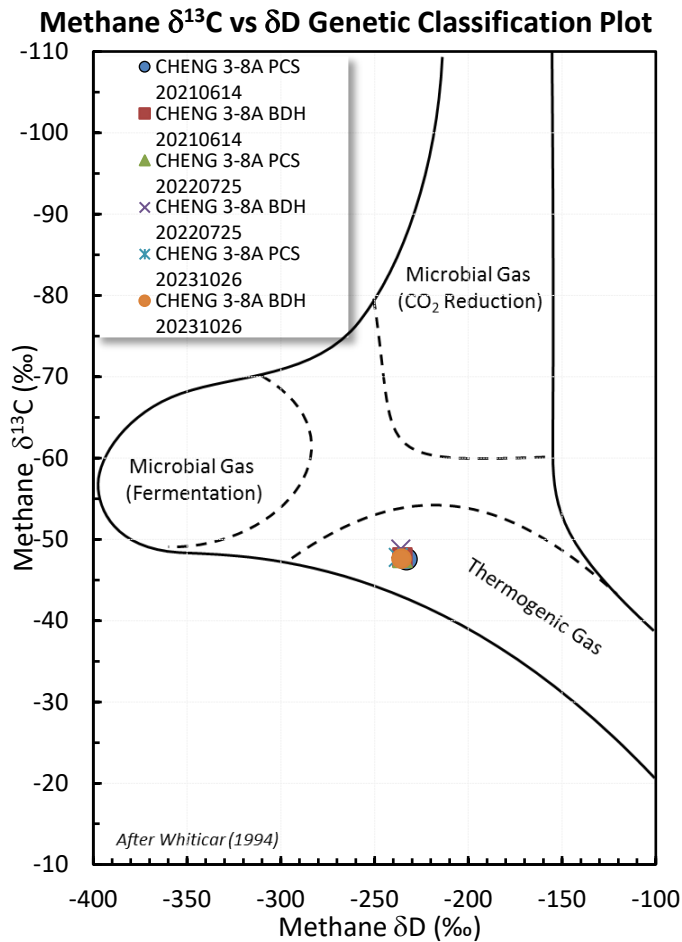
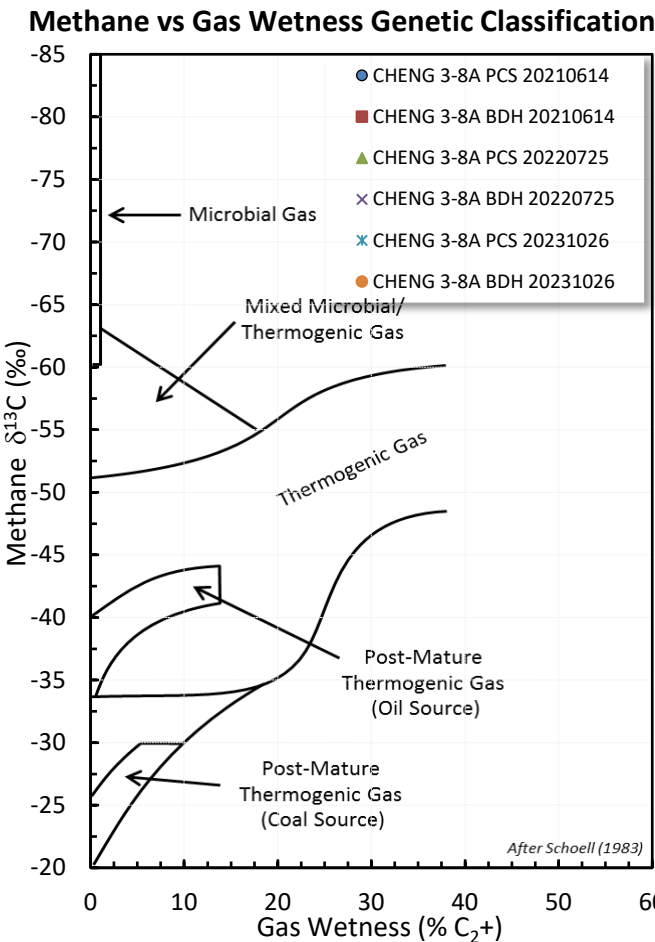
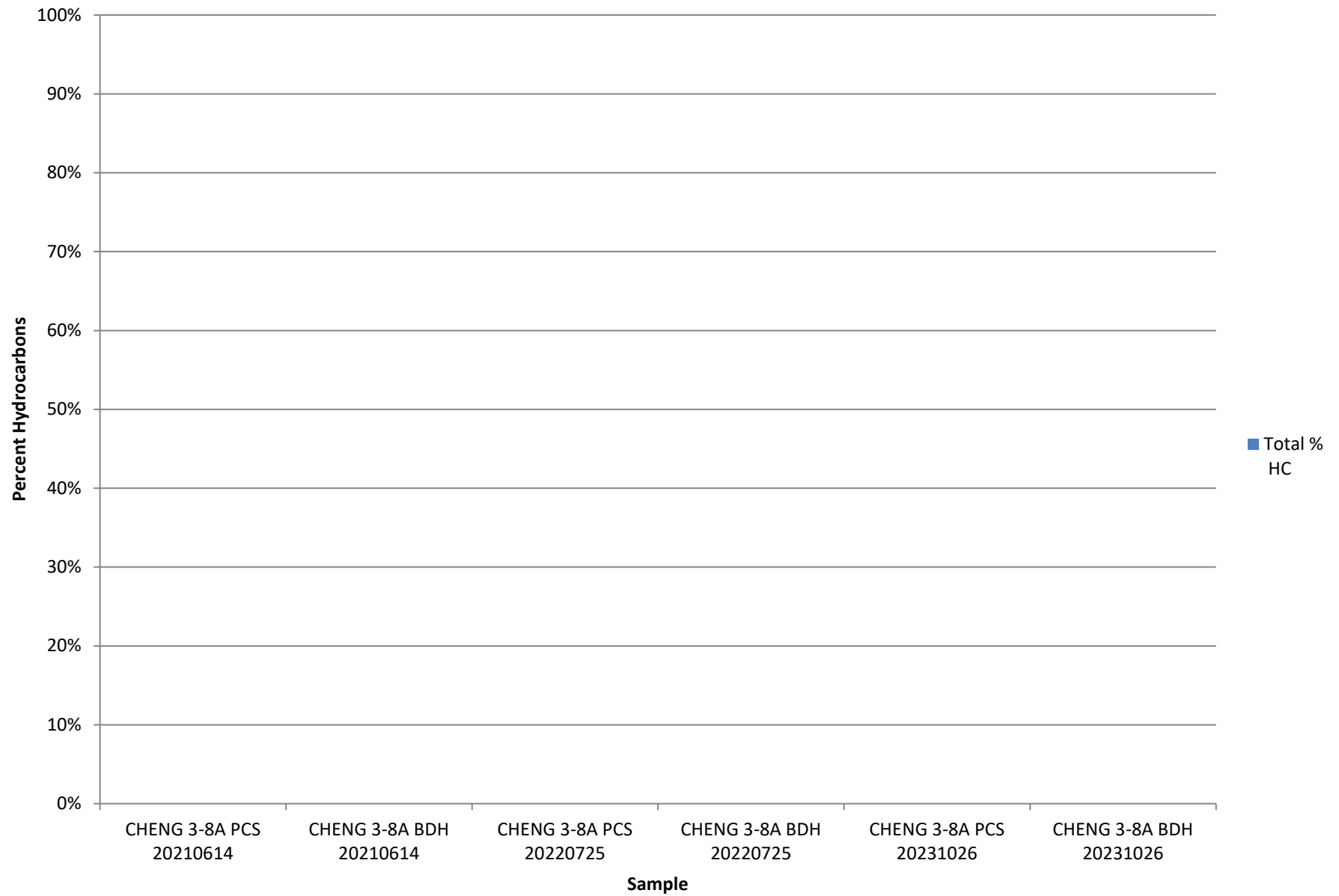


Stable Isotope Interpretive Plots



Total Percent Hydrocarbons



GAS COMPOSITION

GAS COMPOSITION (MOL %)

Parameter

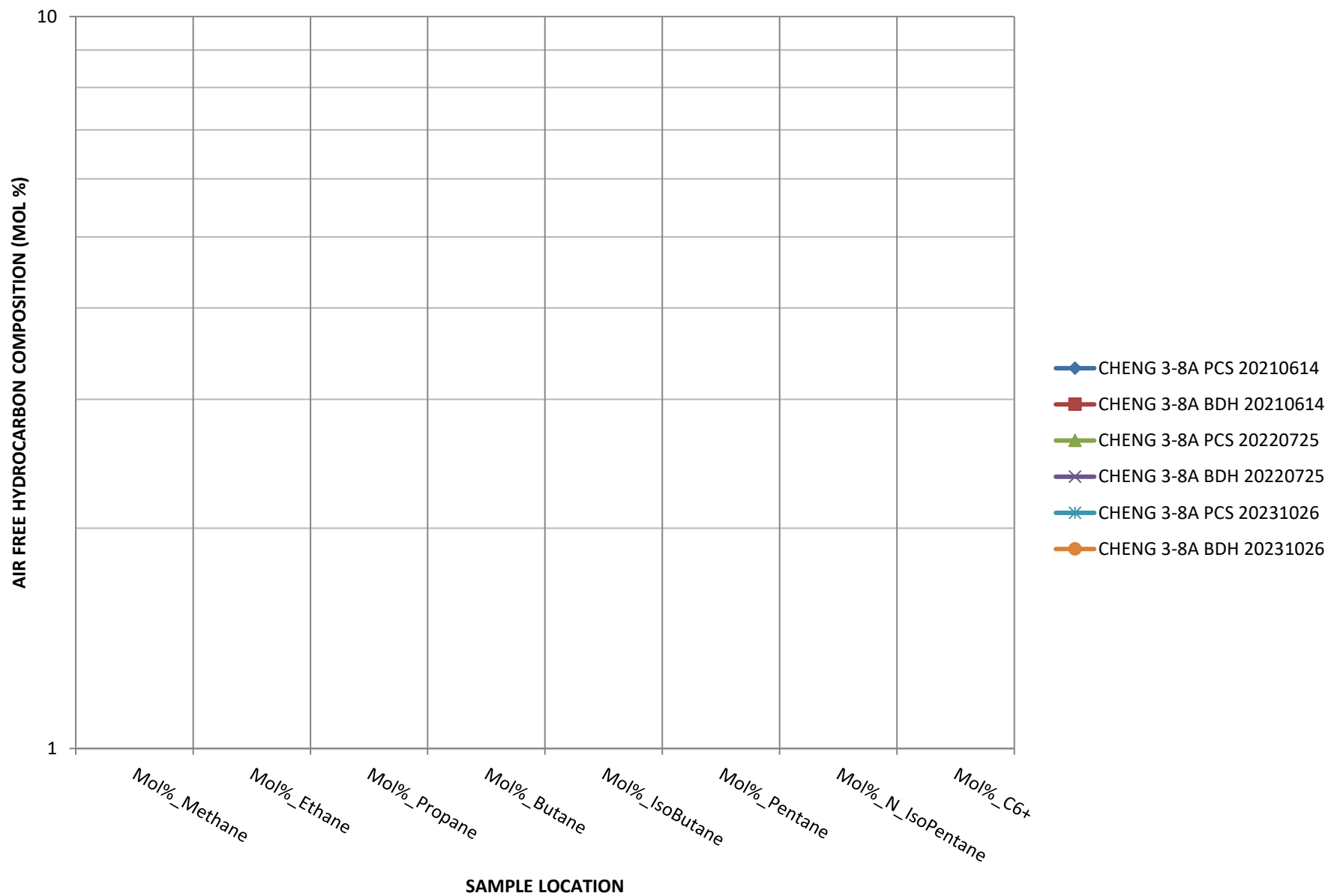
Legend:

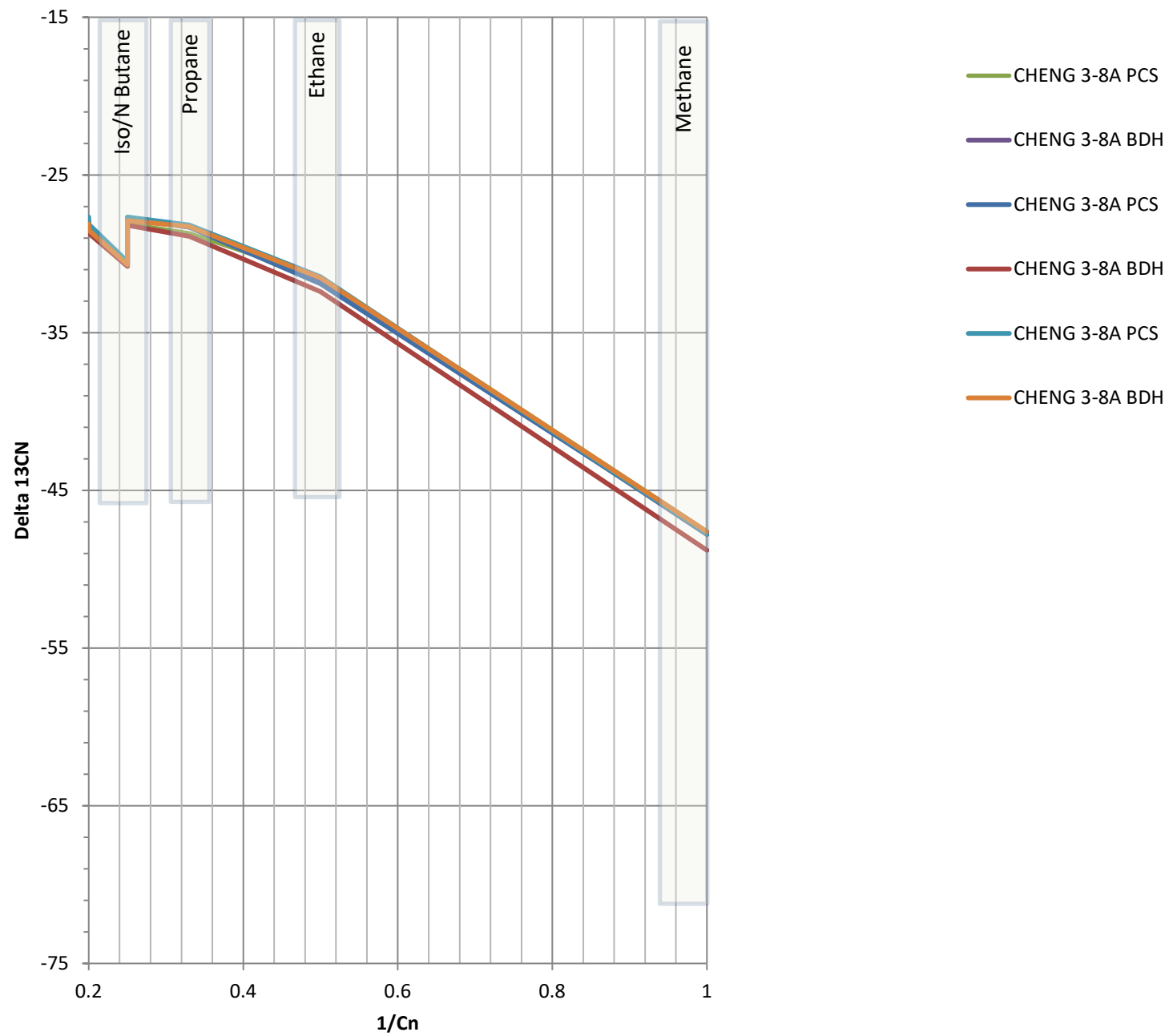
- CHENG 3-8A PCS 20210614
- CHENG 3-8A BDH 20210614
- CHENG 3-8A PCS 20220725
- CHENG 3-8A BDH 20220725
- CHENG 3-8A PCS 20231026
- CHENG 3-8A BDH 20231026

Parameter	CHENG 3-8A PCS 20210614	CHENG 3-8A BDH 20210614	CHENG 3-8A PCS 20220725	CHENG 3-8A BDH 20220725	CHENG 3-8A PCS 20231026	CHENG 3-8A BDH 20231026
Mol%_Nitrogen	0.8	6	0.7	45	0.9	25
Mol%_Oxygen	0.025	1.5	0.007	12	0.007	7
Mol%_Argon	0.0001	0.07	0.0001	0.6	0.0001	0.35
Mol%_O2+AR	1.8	0.18	1.9	0.28	1.9	0.22
Mol%_CarbonDiOxide	0.015	0.014	0.017	0.001	0.014	0.011
Mol%_CarbonMonoxide	0.025	0.016	0.03	0.016	0.032	0.011
Mol%_Helium	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
Mol%_hydrogen	75	70	80	30	78	50
Mol%_Methane	11	11	11	5	11	8
Mol%_Ethane	5	4.5	4.5	2.2	4.5	3.2
Mol%_Propane	1.5	1.5	1.5	0.9	1.2	1.1
Mol%_Butane	0.7	0.65	0.65	0.35	0.6	0.5
Mol%_IsoButane	0.4	0.45	0.4	0.4	0.28	0.55
Mol%_N_Pentane	0.4	0.45	0.4	0.32	0.28	0.48
Mol%_C6+	0.085	0.11	0.11	0.22	0.078	0.25

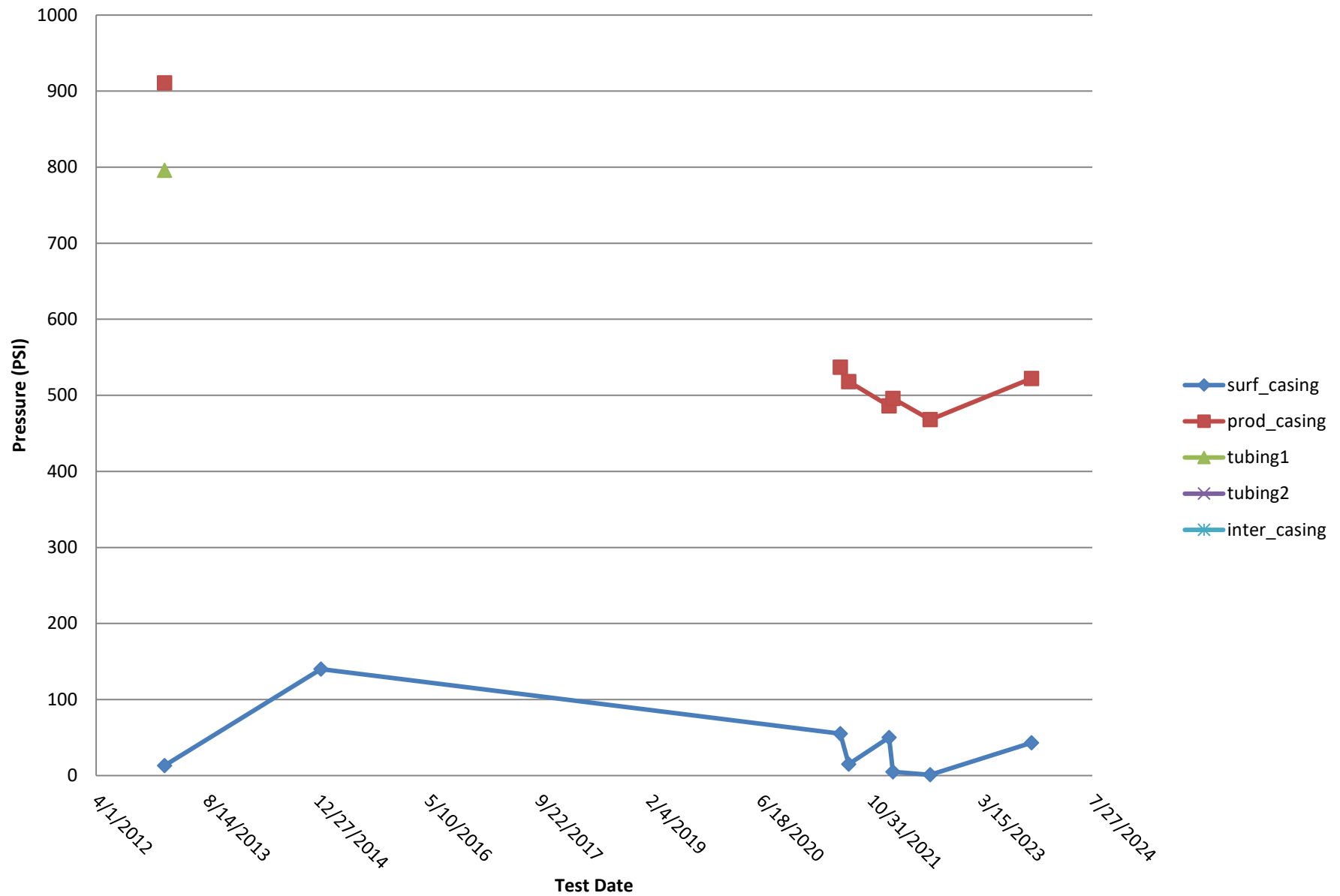
- CHENG 3-8A PCS 20210614
- CHENG 3-8A BDH 20210614
- CHENG 3-8A PCS 20220725
- CHENG 3-8A BDH 20220725
- CHENG 3-8A PCS 20231026
- CHENG 3-8A BDH 20231026

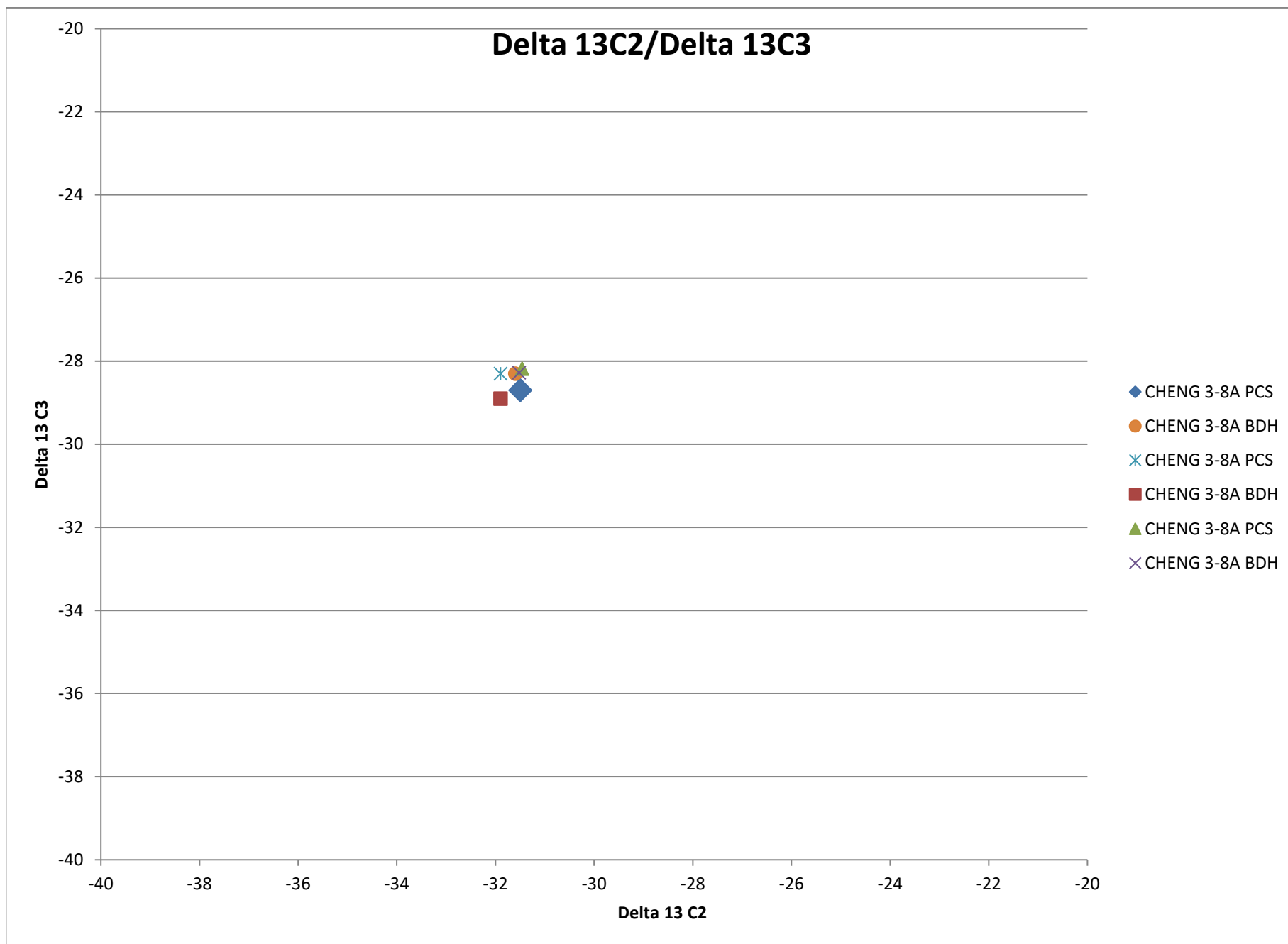
HYDROCARBON COMPOSITION



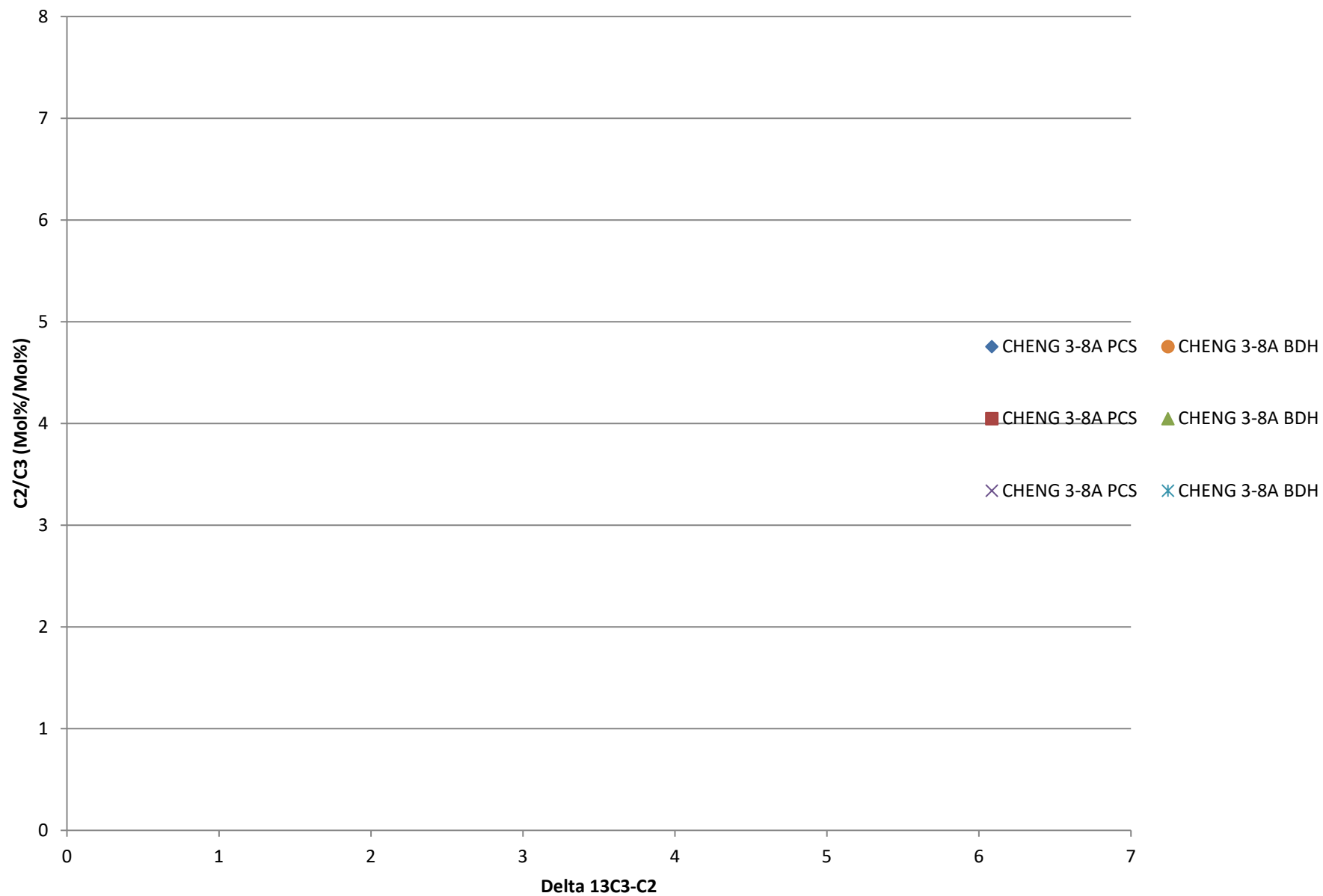


Bradenhead Test Summary





Delta13 C2/C3 vs. Delta 13C3-C2



Delta 13 IC4/ Delta NC4

