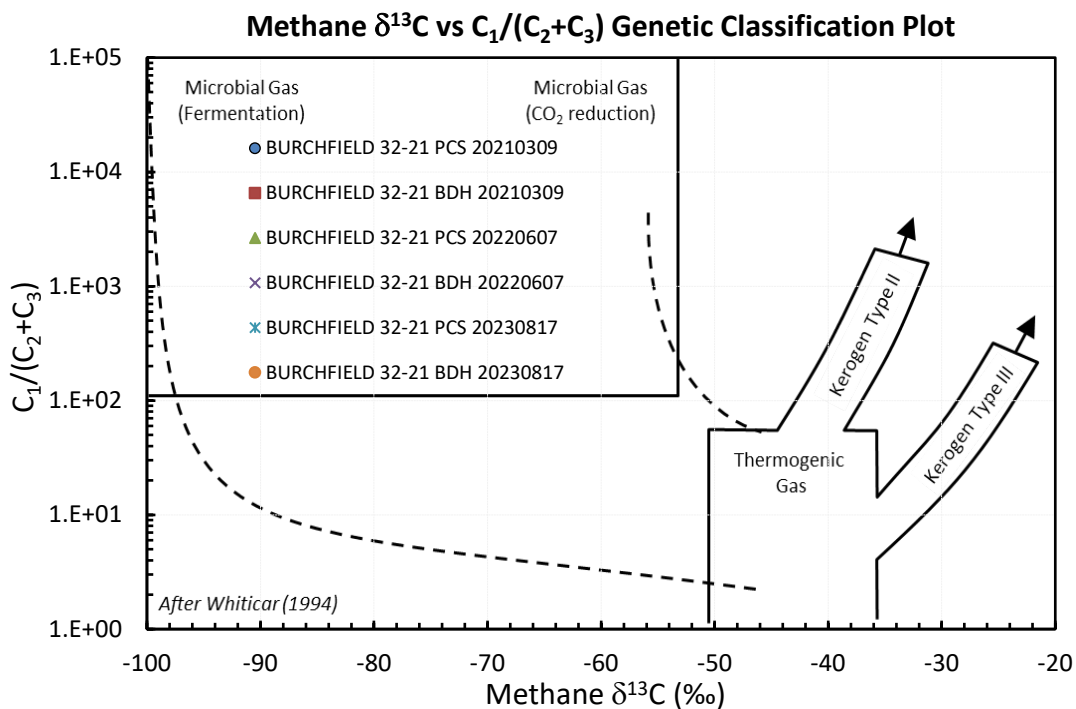
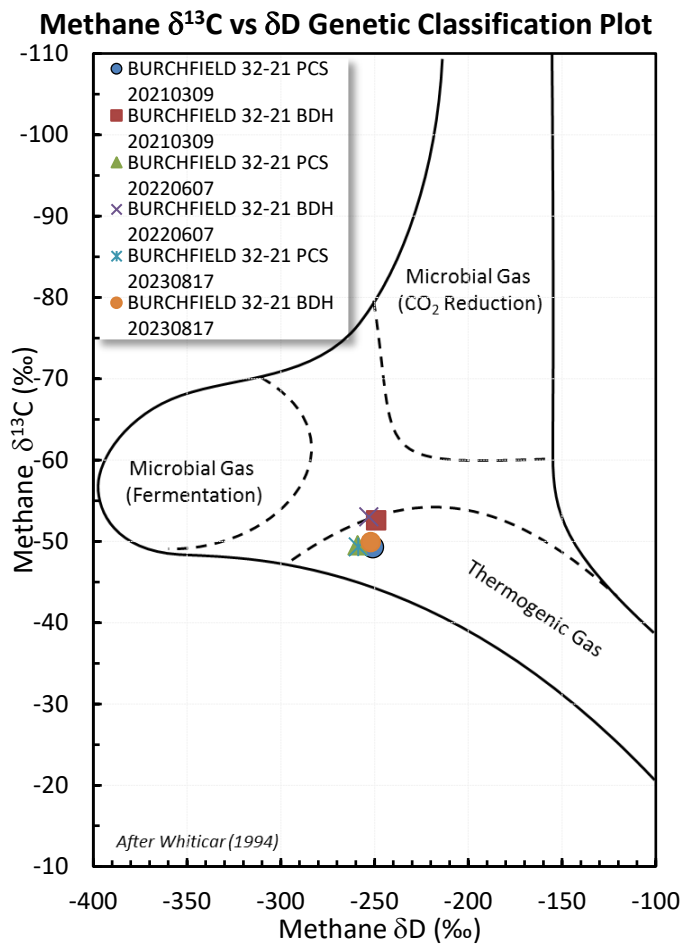
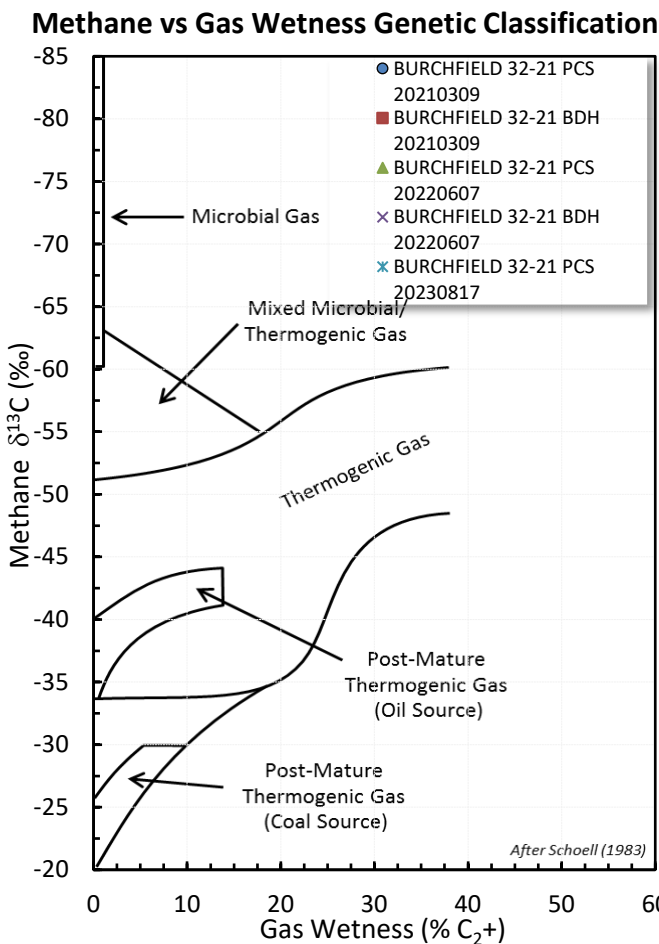
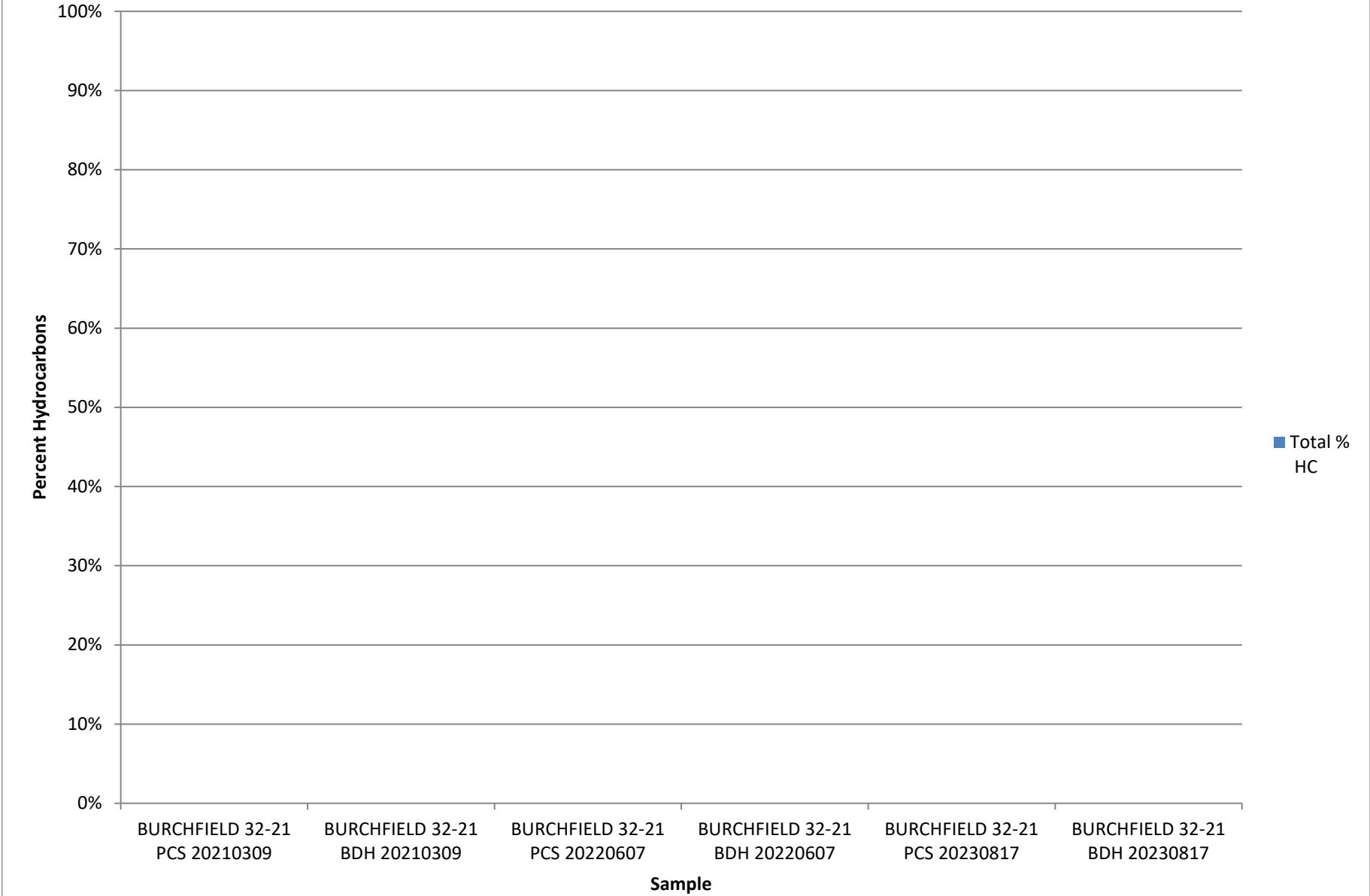


# Stable Isotope Interpretive Plots



# Total Percent Hydrocarbons



**GAS COMPOSITION**

GAS COMPOSITION (MOL %)

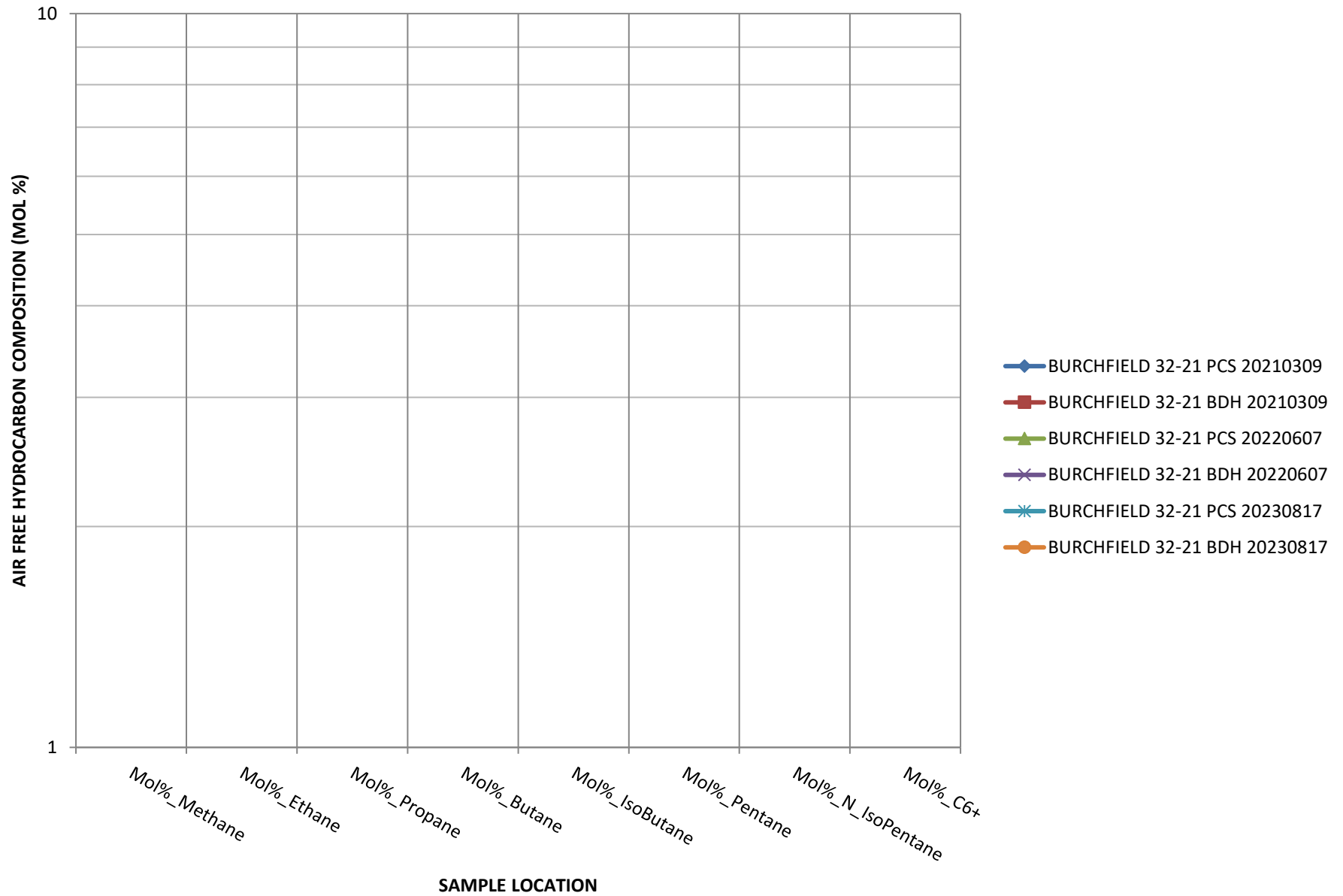
Parameter

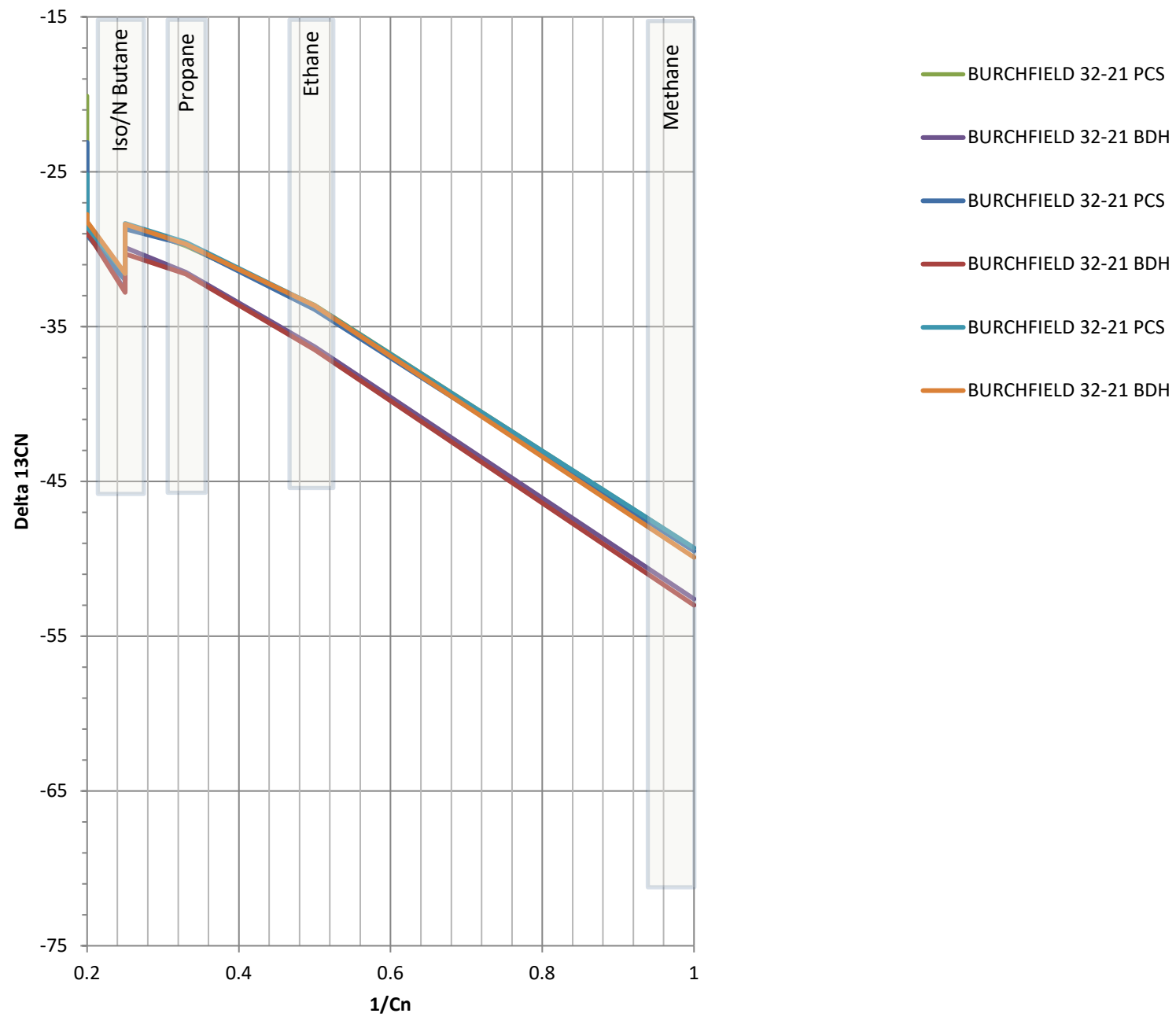
BURCHFIELD 32-21 PCS 20210309  
 BURCHFIELD 32-21 BDH 20210309  
 BURCHFIELD 32-21 PCS 20220607  
 BURCHFIELD 32-21 BDH 20220607  
 BURCHFIELD 32-21 PCS 20230817  
 BURCHFIELD 32-21 BDH 20230817

Parameter	BURCHFIELD 32-21 PCS 20210309	BURCHFIELD 32-21 BDH 20210309	BURCHFIELD 32-21 PCS 20220607	BURCHFIELD 32-21 BDH 20220607	BURCHFIELD 32-21 PCS 20230817	BURCHFIELD 32-21 BDH 20230817
Mol%_Nitrogen	0.6	3.0	0.5	1.2	0.5	4.0
Mol%_Oxygen	0.05	0.4	0.015	0.02	0.05	0.35
Mol%_Argon	0.001	0.025	0.001	0.001	0.001	0.045
Mol%_O2+AR	1.8	0.001	1.8	0.001	1.8	0.001
Mol%_CarbonDioxide	0.018	0.05	0.02	0.03	0.02	0.025
Mol%_CarbonMonoxide	0.04	0.018	0.055	0.015	0.018	0.045
Mol%_Helium	0.018	0.001	0.001	0.001	0.018	0.001
Mol%_hydrogen	75	75	75	80	75	75
Mol%_Methane	11	8	11	8	10	10
Mol%_Ethane	5	5	5	5	5	5
Mol%_Propane	1.8	1.8	2.2	1.3	2.2	1.8
Mol%_Butane	0.6	0.7	0.6	0.5	0.7	0.7
Mol%_IsoButane	0.35	0.25	0.5	0.25	0.8	0.45
Mol%_N_Pentane	0.45	0.3	0.45	0.45	0.6	0.4
Mol%_IsoPentane	0.001	0.11	0.001	0.18	0.001	0.25
Mol%_C6+	0.001	0.001	0.001	0.001	0.001	0.001

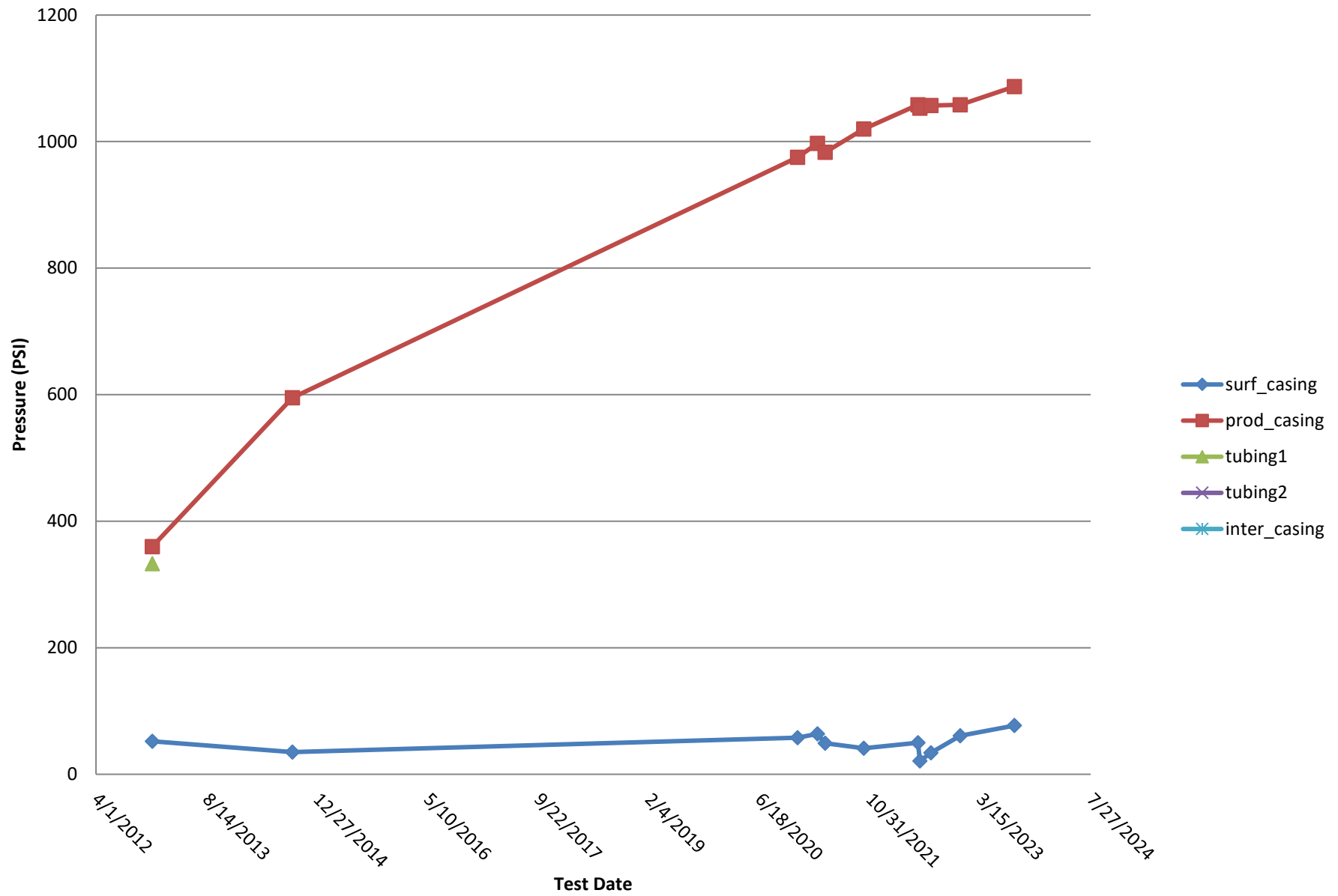
- BURCHFIELD 32-21 PCS  
20210309
- BURCHFIELD 32-21 BDH  
20210309
- BURCHFIELD 32-21 PCS  
20220607
- BURCHFIELD 32-21 BDH  
20220607
- BURCHFIELD 32-21 PCS  
20230817

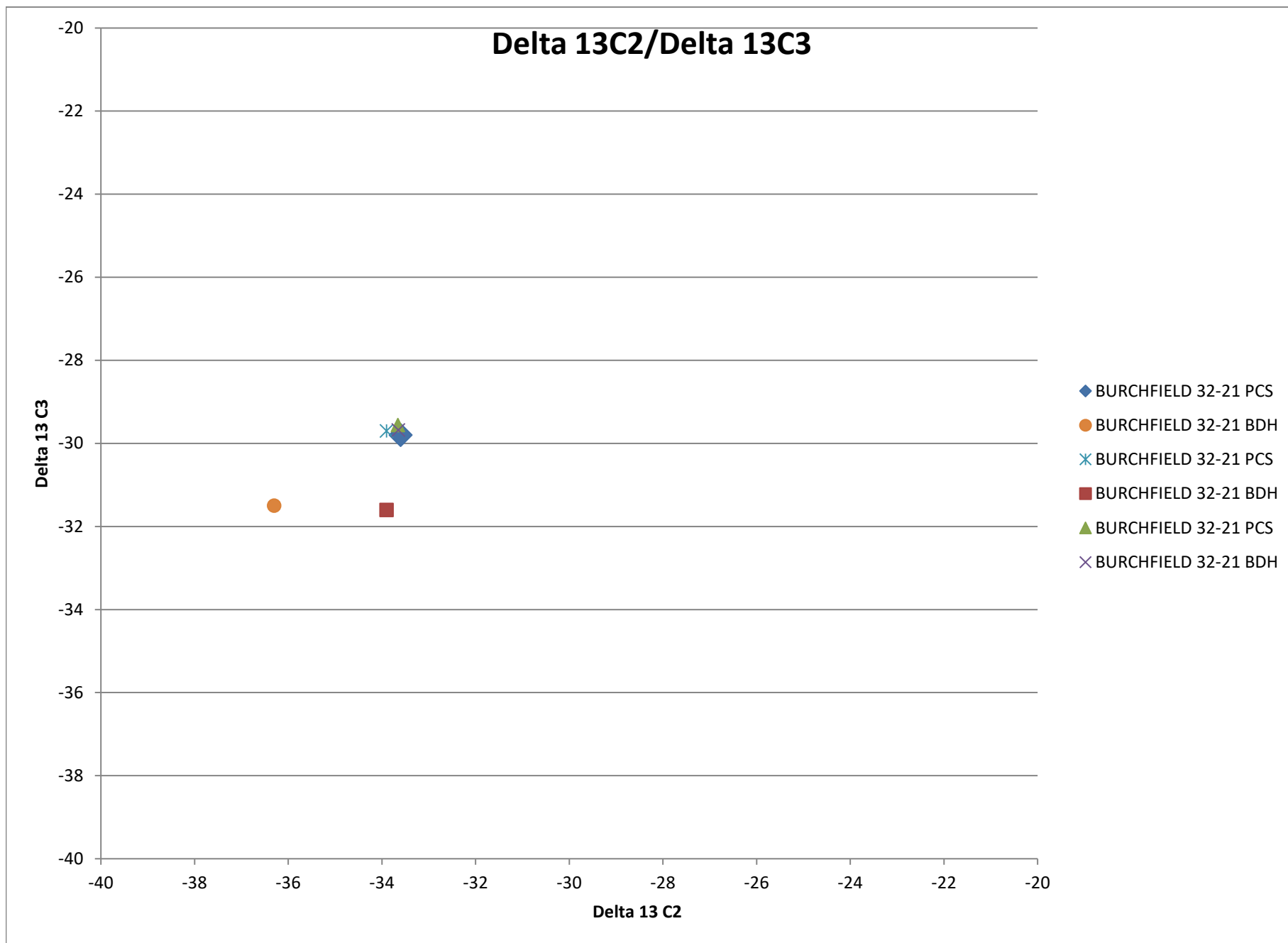
# HYDROCARBON COMPOSITION



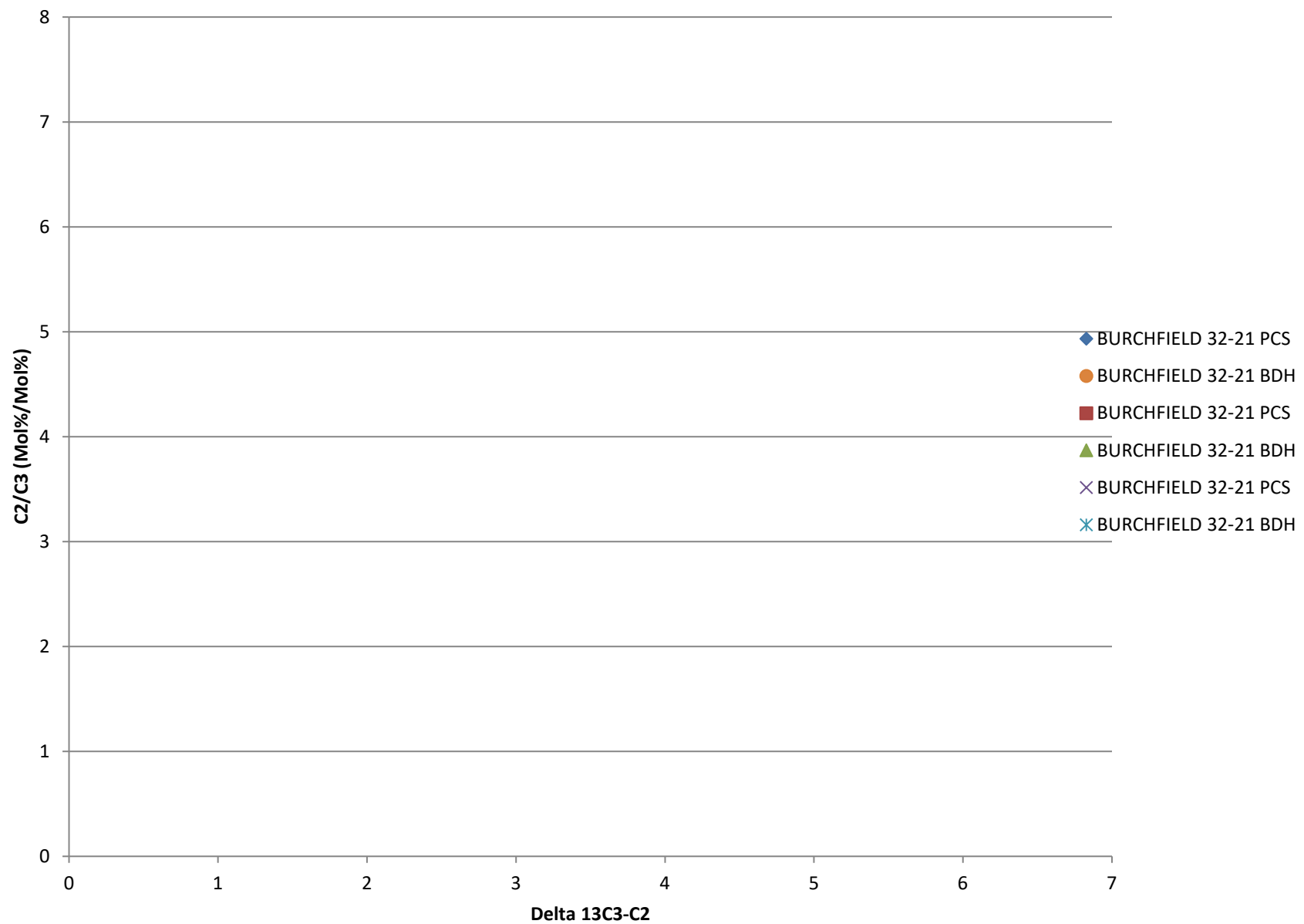


## Bradenhead Test Summary





## Delta13 C2/C3 vs. Delta 13C3-C2





## Delta 13 IC4/ Delta NC4

