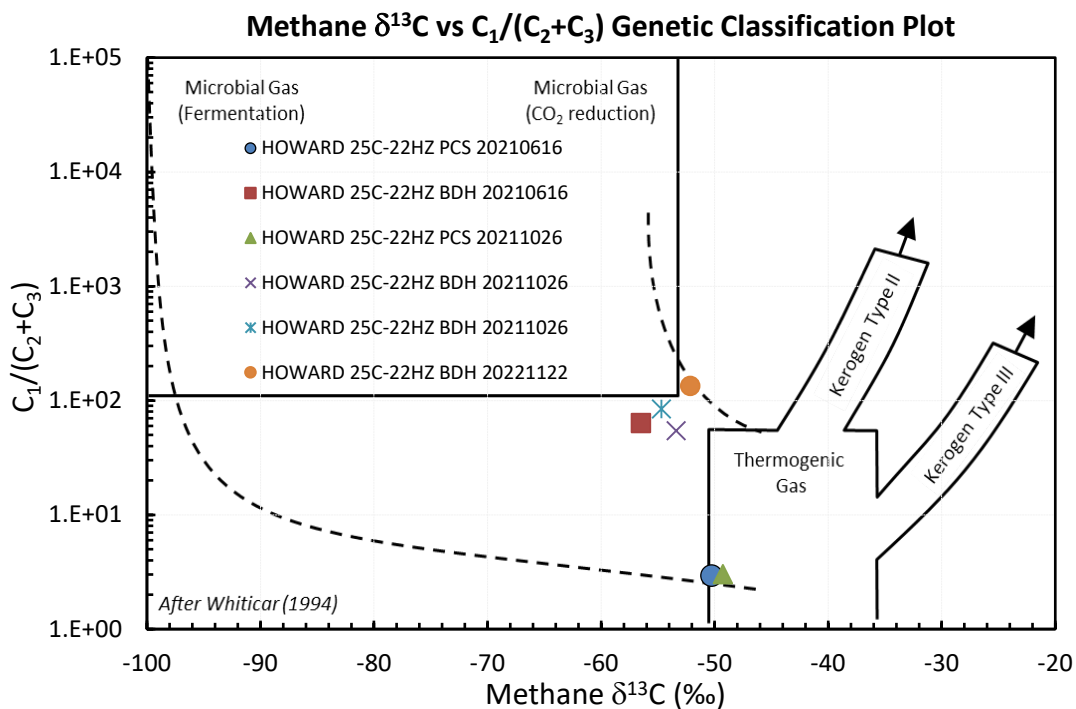
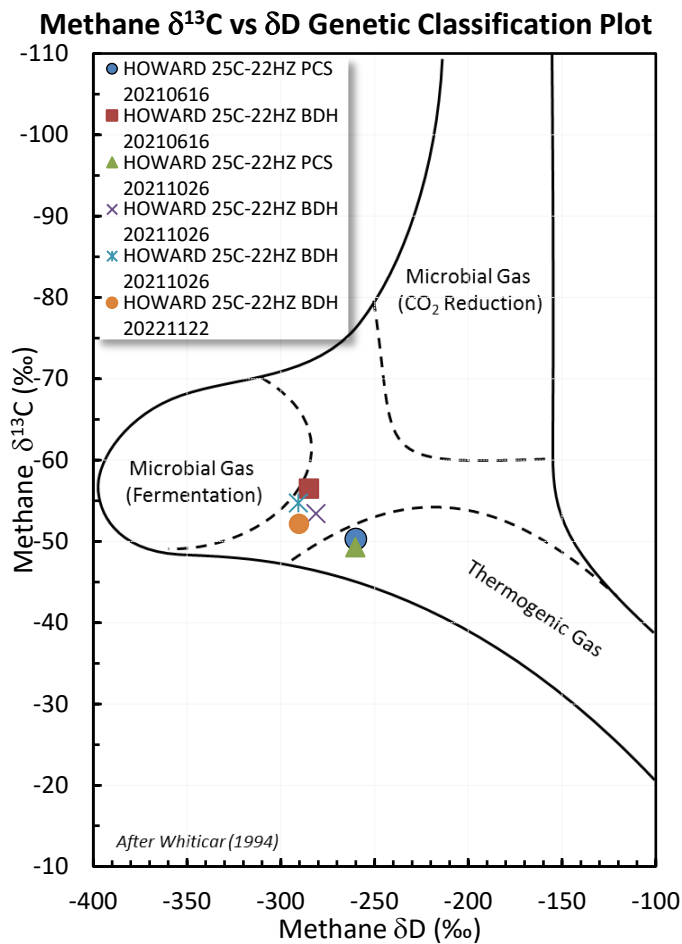
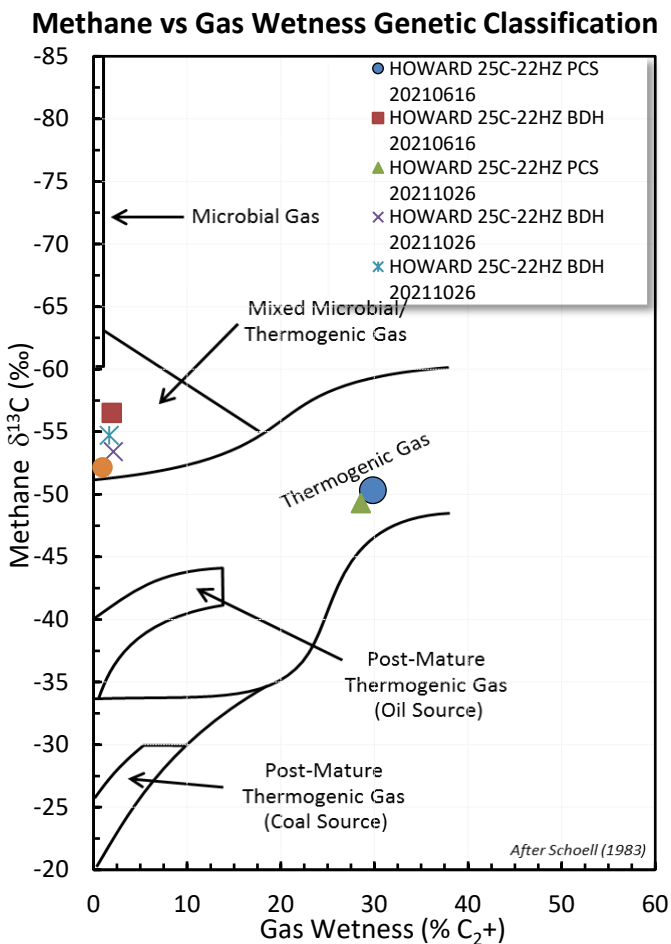
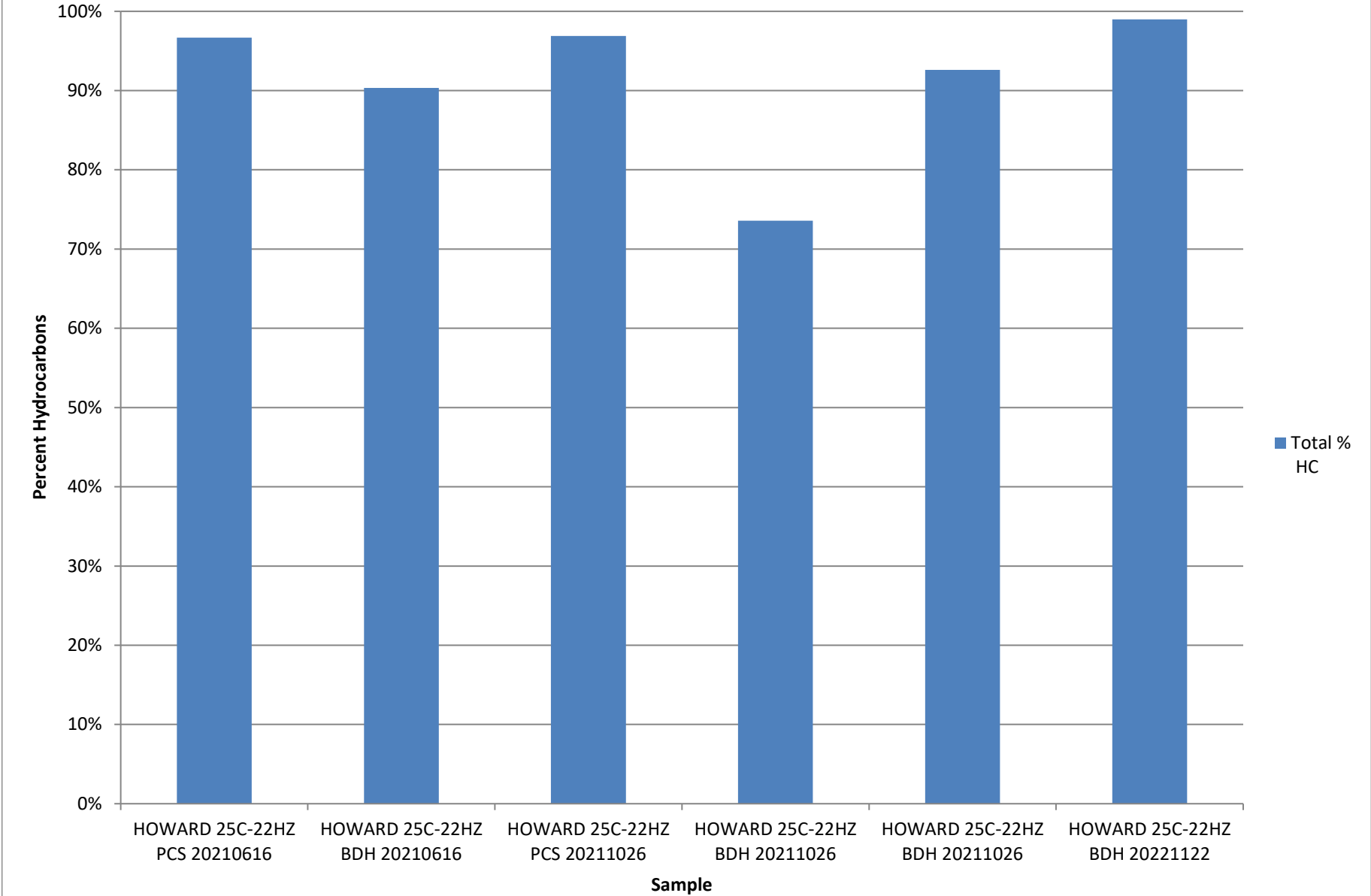


Stable Isotope Interpretive Plots



Total Percent Hydrocarbons



GAS COMPOSITION

Y-axis: GAS COMPOSITION (MOL %)

X-axis: Parameter

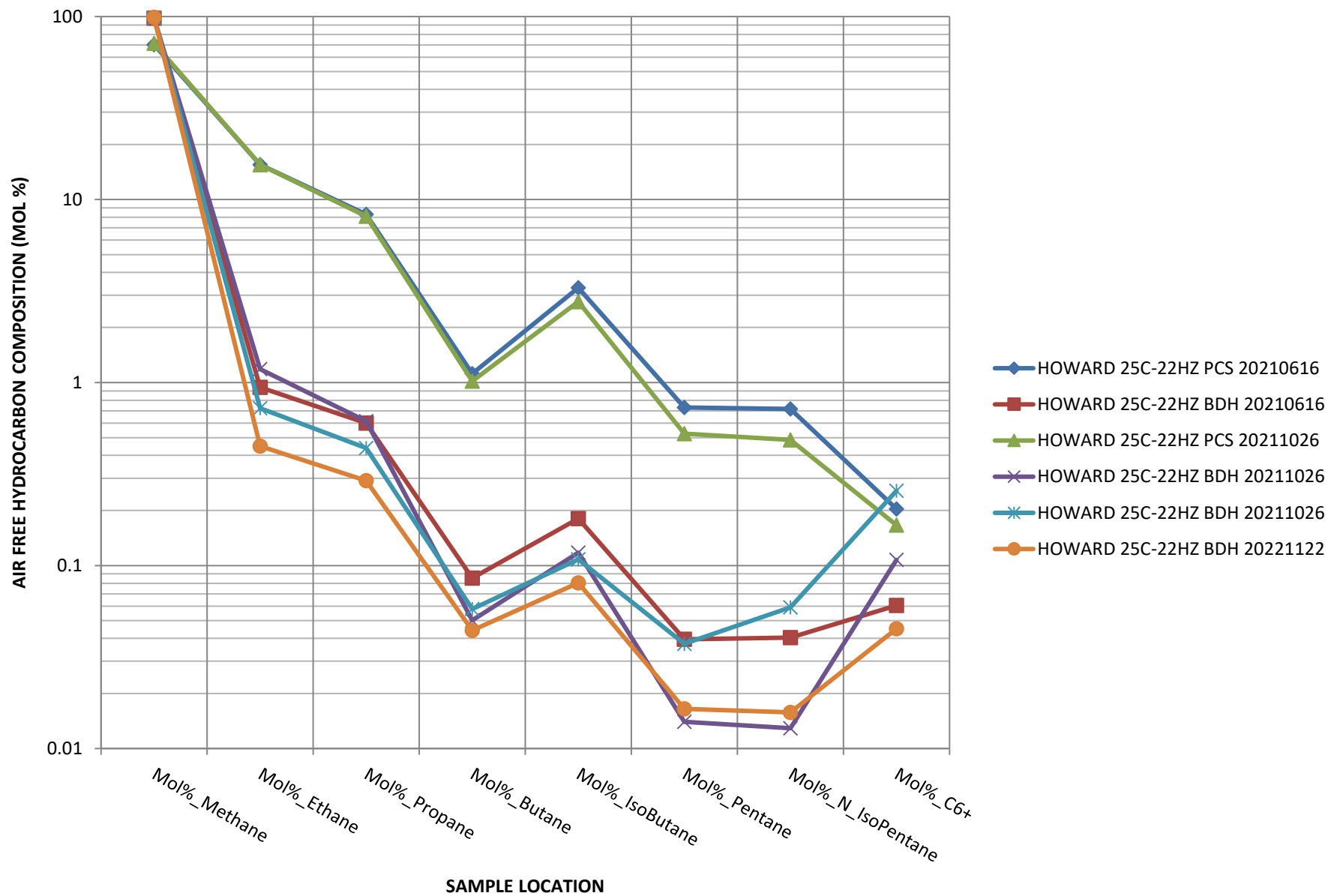
Legend:

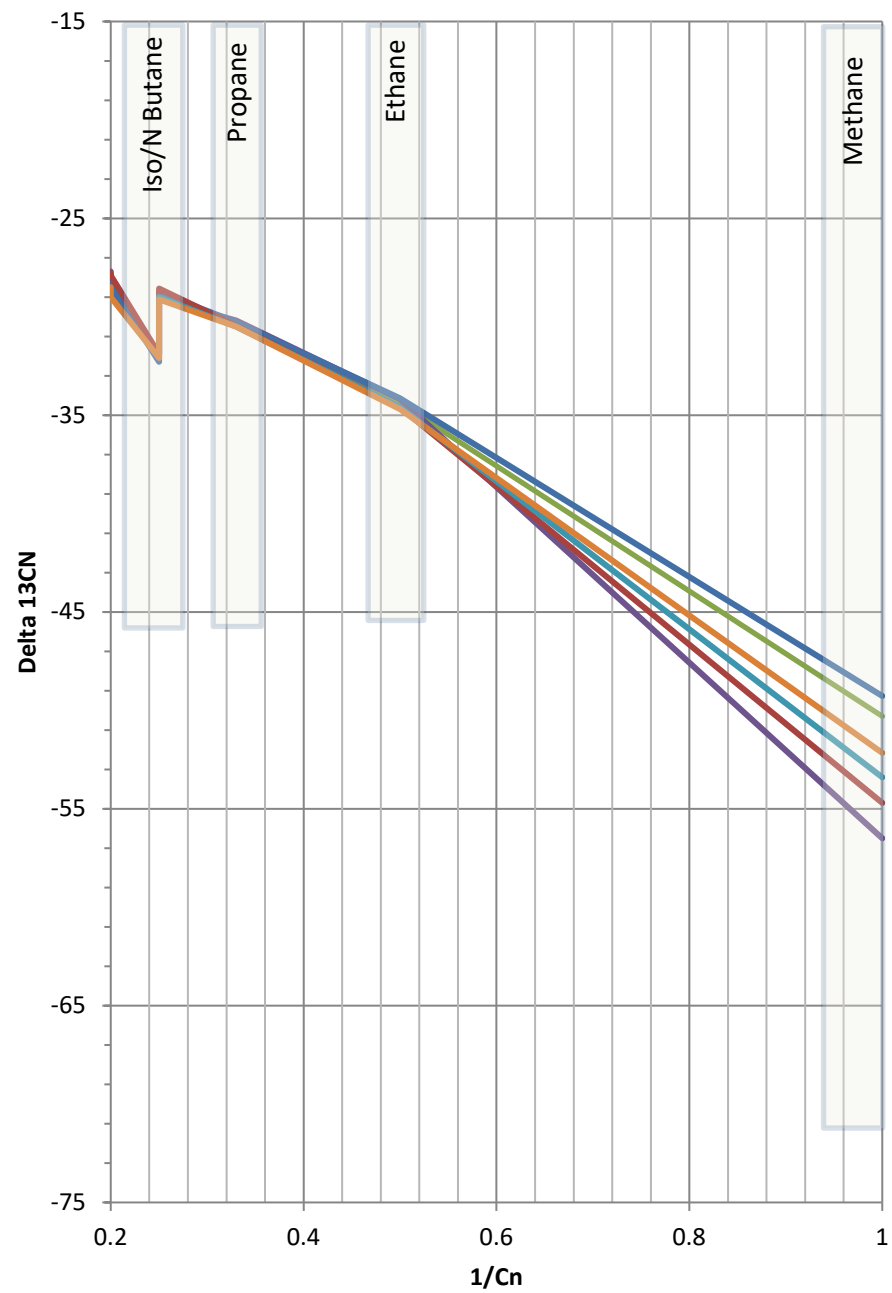
- HOWARD 25C-22HZ PCS 20210616
- HOWARD 25C-22HZ BDH 20210616
- HOWARD 25C-22HZ PCS 20211026

Parameter	HOWARD 25C-22HZ PCS 20210616	HOWARD 25C-22HZ BDH 20210616	HOWARD 25C-22HZ PCS 20211026
Mol%_Nitrogen	0.6	7.5	0.5
Mol%_Oxygen	0.06	1.8	0.01
Mol%_Argon	0.01	0.01	0.01
Mol%_O2+AR	2.0	0.02	0.05
Mol%_CarbonDiOxide	0.001	0.001	0.001
Mol%_CarbonMonoxide	0.001	0.001	0.001
Mol%_Helium	0.5	0.001	0.35
Mol%_hydrogen	65	85	70
Mol%_Methane	14	0.8	15
Mol%_Ethane	8	0.55	7.5
Mol%_Propane	1.1	0.075	1.0
Mol%_Butane	3.0	0.16	2.5
Mol%_IsoButane	0.7	0.035	0.5
Mol%_N_Pentane	0.7	0.035	0.5
Mol%_C6+	0.2	0.055	0.15

- HOWARD 25C-22HZ PCS
20210616
- HOWARD 25C-22HZ BDH
20210616
- HOWARD 25C-22HZ PCS
20211026
- HOWARD 25C-22HZ BDH
20211026
- HOWARD 25C-22HZ BDH
20211026

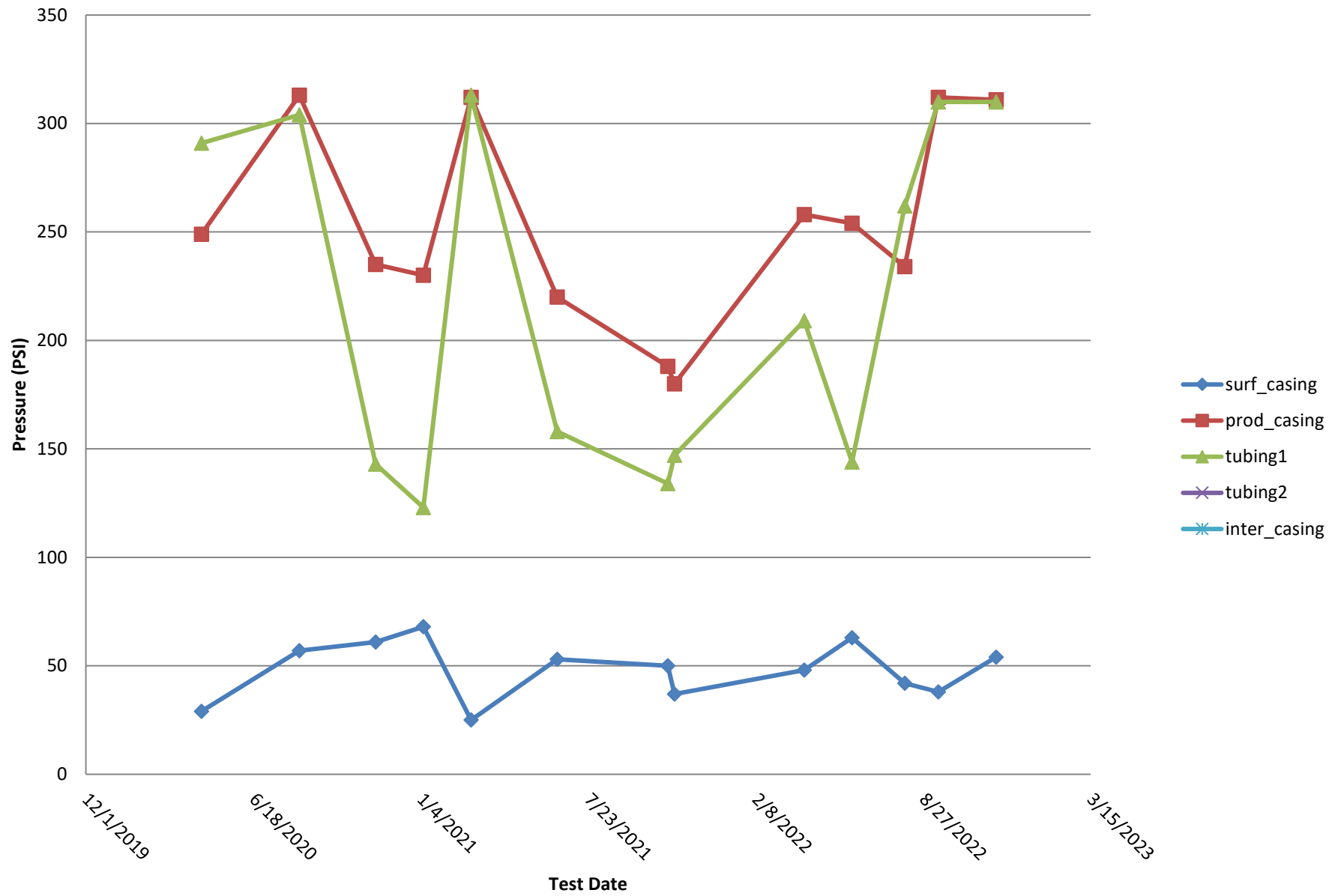
HYDROCARBON COMPOSITION

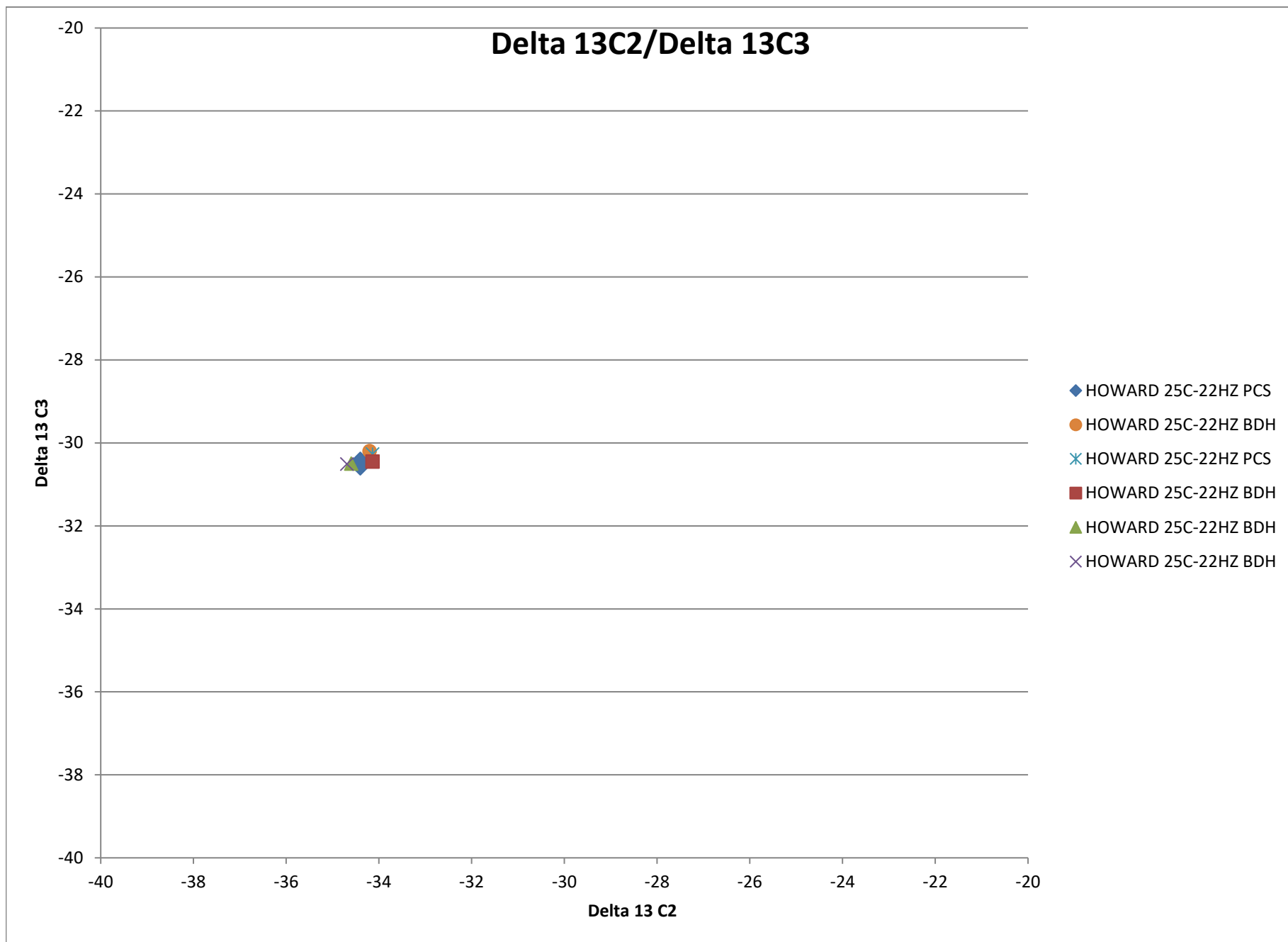




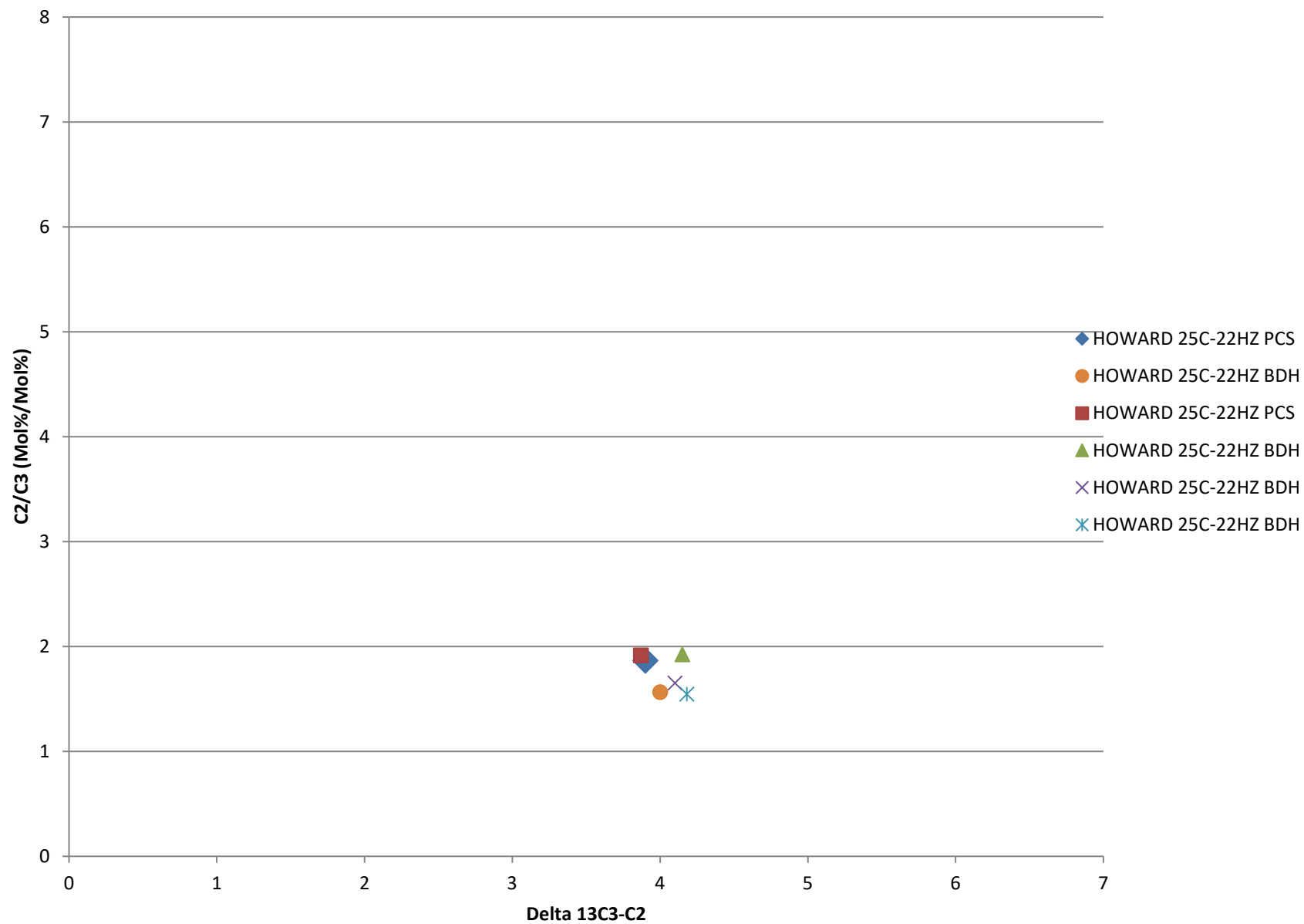
- HOWARD 25C-22HZ PCS
- HOWARD 25C-22HZ BDH
- HOWARD 25C-22HZ PCS
- HOWARD 25C-22HZ BDH
- HOWARD 25C-22HZ BDH
- HOWARD 25C-22HZ BDH

Bradenhead Test Summary





Delta13 C2/C3 vs. Delta 13C3-C2



Delta 13 IC4/ Delta NC4

