

Figure 2. Correlation chart of Middle Ordovician through Upper Devonian rocks in Kentucky, New York, Ohio, Pennsylvania, and West Virginia showing intervals sampled for total organic carbon (TOC) and Rock-Eval analysis. Geologic time scale from Gradstein and others (2004).

Major lithology Sample locations △ △ Limestone with chert From Salina Group, Bass Islands Dolomite, Keyser Limestone (or Formation), Wills Creek Formation, or Tonoloway Limestone Gray shale Dolomite From Lockport Dolomite (or Group), Eramosa Dolomite, Black shale Dolomite with dark-gray to black shale or McKenzie Limestone (or Member) Red shale Dolomite with evaporite beds • From Cabot Head Shale, Rose Hill Formation, Rochester Shale, Bentonite bed—Dashed where Limestone or other Lower Silurian strata approximate