Methane and SF6 concentrations in collection canisters were analyzed by gas chromatography (Agilent 7820A GC; Agilent Technologies, Palo Alto, CA). A flame ionization detector and electron capture detector were used for CH4 and SF6 analysis, respectively, with a capillary column (Plot Fused Silica 25m by 0.32mm, Coating Molsieve 5A, Varian CP7536; Varian Inc. Lake Forest, CA). Injector, column, and detector temperatures for CH4 analysis were 80, 160, and 200°C, respectively. For SF6, Temperatures were 50, 30, and 300°C for the injector, column, and detector, respectively. The carrier gas for CH4 and SF6 was N2.

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