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Supporting Information for

**Effects of substrate composition and subsurface fluid pathways on the geochemistry of seafloor hydrothermal deposits at the Lucky Strike Vent Field, Mid-Atlantic Ridge**

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Caption for Table S1 and S2

Table S1 – file name S1-geochemfull-LS.xlsx (uploaded separately)

Table S2 – file name S2-MOR-LS.xlsx (uploaded separately)

**Introduction**

Table S1 is an extended version of Table 1. This table includes additional elements that were largely below detection limit. Table S2 is a geochemical compilation of additional hydrothermal sites from Lucky Strike, Menez Gwen, Endeavour, TAG, Snake Pit, Broken Spur, Rainbow, Logatchev, Beebe, Kairei, Yuhuang-1, and Daxi.

<Table S1 – S1-geochemfull-LS.xlsx was loaded separately>

<Table S1 – S2-MOR-LS.xlsx was loaded separately>

Table S1. Extended version of Table 1. This table includes additional elements that were largely below detection limit.

Table S2. Geochemical compilation of hydrothermal deposit samples and sites that includes, Lucky Strike, Menez Gwen, Endeavour, TAG, Snake Pit, Broken Spur, Rainbow, Logatchev, Beebe, Kairei, Yuhuang-1, and Daxi.