Title: **Geothermal Project on TU Delft Campus - DEL-GT-01 and DEL-GT-02 (-S1 & -S2) Database of Physical Samples**

DOI of this dataset: <https://www.doi.org/10.4121/2292437e-2ce4-42b7-8350-7774d762cc60>

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DATA DESCRIPTION

This data set contains the relational database with the information about all physical samples collected during the installation of the geothermal well on TU Delft campus, between June and November of 2023. The full description of the data collection methods is provided in the Drilling Report of the campus geothermal doublet.

This database is a simple and easy-to-use tool that facilitated the initial registration of samples collected by TU Delft staff at the drilling site. It has been created as a desktop application using Access, the database management system from Microsoft, to enable a graphical user interface customised for the geothermal well project. The full database structure and usage is described in the **Database\_User\_Guide.pdf** file.

Sample inventories are also provided as individual spread sheets to facilitate sample requests. Full description of the sample request procedure is described in the webpage <https://www.tudelft.nl/geothermalwell>.

A web application based on this sample database structure has been developed with the support of the TU Delft Digital Competence Centre (DCC) to enable remote access and central data storage (DOI:<https://doi.org/10.4121/09461663-32eb-4dda-aeba-28016fd7e7f6>).

DATA SET CONTENTS

- 1 Database\_User\_Guide.pdf file

- 1 MS Access database file: DELGT\_geothermal\_sample\_db.accdb

- 7 sample inventory files in two different file formats:

|  |  |
| --- | --- |
| **MS Excel** | **Comma Separated Value (CSV)** |
| tb\_core.xlsx | tb\_core.csv |
| tb\_core\_catcher.xlsx | tb\_core\_catcher.csv |
| tb\_core\_chip.xlsx | tb\_core\_chip.csv |
| tb\_core\_plug.xlsx | tb\_core\_plug.csv |
| tb\_cuttings.xlsx | tb\_cuttings.csv |
| tb\_sidewall\_core.xlsx | tb\_sidewall\_core.csv |
| tb\_brine.xlsx | tb\_brine.csv |

DATA SPECIFIC INFORMATION

Sample names in this database follow the naming convention adopted by the campus geothermal project to enable sample tracking, consisting of [well name]-[sample type-abbreviation]-[sample number]. The sample naming convention can be downloaded from the online Collection of Technical Guidelines and Procedures (DOI:<https://www.doi.org/10.4121/f9211fb7-39ea-4886-b350-95863da9ae60>).