More...

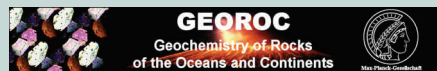### Precompiled Files

Ready-to-download compilations for individual locations, rock types, minerals and melt inclusions

Expert Datasets

Evaluated compilations contributed by researchers with special expertise

The GEOROC Forum

A platform for questions and comments of the database users

Links to GeoReM

Cross-links of datasets to the database GeoReM (Geological and Environmental Reference Materials)

http://georem.mpch-mainz.gwdg.de

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GEOROC—Geochemistry of Rocks of the Oceans and Continents

GEOROC Database

http://georoc.mpch-mainz.gwdg.de

Quick Tour

Max Planck Institute for Chemistry Mainz

1 Start Query

Query by Bibliography
Select author(s) and/or publication year(s)
Get list of papers
View data table(s) of individual papers or
check several papers

Query by Geological Setting
Select location
Further refine your query (e.g., Ocean Island Group, Ocean Island, Volcano)

Query by Geography
Enter min and max latitude and longitude
or draw a rectangle on Google Maps
or select individual locations from an
alphabetical list

Query by Chemistry
Decide between absolute abundances and
normalized values
Select chemical items (note the AND/OR
operator on top)
Select publication period, material analyzed
and geological setting

Query by Petrography
Choose rock type from a list
or enter rock type manually
or enter sample name

2 Further Refine Query

Sample Selection Criteria

The most useful criteria are:

TYPE OF MATERIAL = material analysed
(whole rock, volcanic glass, mineral, inclusion)
ROCK TYPE = rock group (e.g., volcanic, plutonic)
ROCK NAME = rock species (e.g., alkali basalt, tholeiite, rhyolite)

Note the AND/OR operator if you are using
more than one criterion!

Chemical Criteria

You can choose from lists of items available for
the selected samples:

Major elements
Trace Elements
Rare Earth Elements
Isotope Ratios
Rare Gases and Volatiles
Analytical Age

View datasets from individual papers either
without analytical methods (one dataset) or
with analytical methods (several datasets depending on the number of methods).

View datasets **compiled** from several papers
(read the compilation rules).

3 Finish Query

Metadata

Decide which information you want to be
included with the chemical data.

You can choose a standard output or select metadata from a list.

Query Result

View and download data.

Go to HTML view or directly download
the data.

In HTML view you can get information on
data quality.

Each download includes a complete reference list.

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