Diagram Key

- Dictionary
- Within Dictionrary; an Array or Matrix of indices into corresponding element of text_echem_unparsed, offset by 1
- Array or Matrix of {Any}
- Description of array content

bulktext.mat

Units — 45x1 {Any} various unit measurements

est — **Rock_Name** — 910904x1 {Float64}

Composition — 7x1 {Any} clastic, felsic, mafic, etc.

method — 181 entry Dict of sparse arrays of numeric method codes

elements — 10x1 {Any} strings of elements in index Dict

Reference — 13249x1 {Any} strings of references

Igsn — 9858 {Any} alphanumeric 9 character ISGN sample metadata profiles

Rock_Name — 508x1 {Any} strings of rock names

Source — 7x1 {Any} organization data source e.g. USGS

Mineral — 7x1 {Any} mineral list--for some type of analysis, although it doesn't say what

Methods — 410x1 {Any} brief method descriptions. Note that the indices are much lower than the numeric method codes in methods

Cruise_ID — 2580x1 {Any} identification codes for sample collection cruises

Type — 8x1 {Any} non-exhaustive list of types, e.g. plutonic, volcanic, breccia, etc.

unit — 181 entry Dict of sparse arrays of numeric unit codes

Sample_ID — 735950x1 {Any} strings of Sample IDs, there may be some parsing errors with non-standard characters and not immediately parseable codes

Material — 10x1 {Any} strings of material for some analysis, e.g. alteration, igneous, ore, vein, etc.

index

- **Composition** — 910904x1 {Float64}
- **Reference** — 910904x1 {Float64}
- **Igsn** — 910904x1 sparse array {Float64, Int64}
- **Mineral** — 910904x1 sparse array {Float64, Int64}
- **Rock_Name** — 910904x1 {Float64}
- **Source** — 910904x1 {Float64}
- **Cruise_ID** — 910904x1 sparse array {Float64, Int64}
- **Type** — 910904x1 {Float64}
- **Sample_ID** — 910904x1 {Float64}
- **Material** — 910904x1 {Float64}