CvTdb Schema Change Needs

1/10/2022

* administration\_route\_dict
  + Difference between text and varchar?
  + rec\_update\_dt ON UPDATE
* chemicals
  + id primary key, auto-increment, and index
  + Change preferred\_name to text?
  + rec\_update\_dt ON UPDATE
  + user create/modify
* conc\_medium\_dict
  + Add user create/update and time create/update with ON UPDATE logic
* conc\_time\_values
  + id primary key auto-increment
  + series ID foreign key
    - series Table ID
  + rec\_update\_dt ON UPDATE
  + user create/modify
* documents
  + rec\_update\_dt ON UPDATE
  + user create/modify
* series
  + id primary key auto-increment
  + subjects ID foreign key
    - subjects Table ID
  + studies ID
    - studies Table ID
  + chemical ID foreign key (can be NULL)
    - chemicals Table ID
  + conc\_medium ID foreign key
    - conc\_medium\_dict Table ID
  + rec\_update\_dt ON UPDATE
  + user create/modify
* studies
  + id primary key auto-increment
  + reference document ID foreign key
    - documents Table ID
  + extraction document ID foreign key
    - documents Table ID
  + dose chemical ID foreign key
    - chemicals Table ID
  + administration route ID foreign key
    - administration\_route\_dict Table ID
  + rec\_update\_dt ON UPDATE
  + user create/modify
* subjects
  + rec\_update\_dt ON UPDATE
  + user create/modify
* tk\_parameters
  + id primary key auto-increment
  + series ID foreign key
    - series Table ID
  + study ID foreign key
    - studies Table ID
  + chemical ID foreign key
    - chemicals Table ID
  + user create/modify
  + rec\_update\_dt ON UPDATE
  + user create/modify