What I have done recently

1. variableType changed to conditionType ?
2. Analytical Instrument rather than sensor for many conditions
3. Altered wavelength, removed analysical instrument
4. added added manufacturing processes to processign history
5. documentation added.
6. changed variableType to conditionType
7. changed speed of sound to fluidSpeedOfSound
8. added solution reference or pure solvent reference for bunsen coefficient
9. analytical instrument used rather than sensor
10. added composition bases to some properties
11. for ostwald coefficient added definition oof liquid (pure or equilibrium solution)
12. for transport number added defined ion and solute
13. added description for wavelength determination method...
14. added citation reference for prediction.
15. changed viscosity to dynamicViscosity.

Tom’s reccomendations

* Add gas chromatorgraphy to activity
* Add vapor pressure to PTT
* Add parital pressure to VLE composition
* Add the following properties: polarity, dipole moment, polarizability
* Ensure that vapor pressure is only for pure components
* Change critical conditions to critical parameters
* Change constantCondition to constantExtensiveVariable

Arno recommendation

* Either combine Thermal conductivity and diffusivity or separate dynamic and kinematic viscosity
* Change excess viscosity to viscosity deviation (its not possible to have an ideal gas law apply for a liquid, Ken marsh)
* Addition of non-newtonian option (with a shear rate) for viscosity
  + These use rheometers.
* Change of moving piston method to pfalling or alternating body method
* Oscillating cup, etc. many different kinds
* Methods listed include TC and TD properties
* Add stabinger viscometer (horizontal) (SVM3000)
* Add vertical to concentric cylinders viscometery
* Add torsional crystal viscometer
* Thought: absolute or relative measurement delimiter?

Ian recommendation

* Why not JSON format?
* Didn’t like compressibility format
* Encouraged using Base SI units (kg, m , s , V, etc.)
* Add spectroscopy for henry’s law constants stuff
* Add henry’s law constant to solubility
* Maybe change to solubilityCoefficientAndConstants
* Critical mass volume rather than critical specific volume
* Critical mass density
* Critical volume density
* Maybe sort the PTT as
* PTT> Critical, VLE, LLE, Solid, Solid-Liquid, etc. then then all properties
* Add virial coefficients up to 5th level.
* Ask Alan Harvey about virial coefficient measuremnts

Mark McLinden

* Thought of capturing dielectric constant
* No sensors for density, just have method.
* Remove the sole-hydrostatic balance method
* Add hydrometer for density
* Add density floats for density
* Add piezometer for density
* Add dereived form index of refraction for density
* Methods for amount density: spectrophotometry, burnett method
* No sensors for speed of sound (fluids)
* Double check methods for speed of sound.
* Change pulse echo to pulse echo (single path) (dual path) (multiple path)