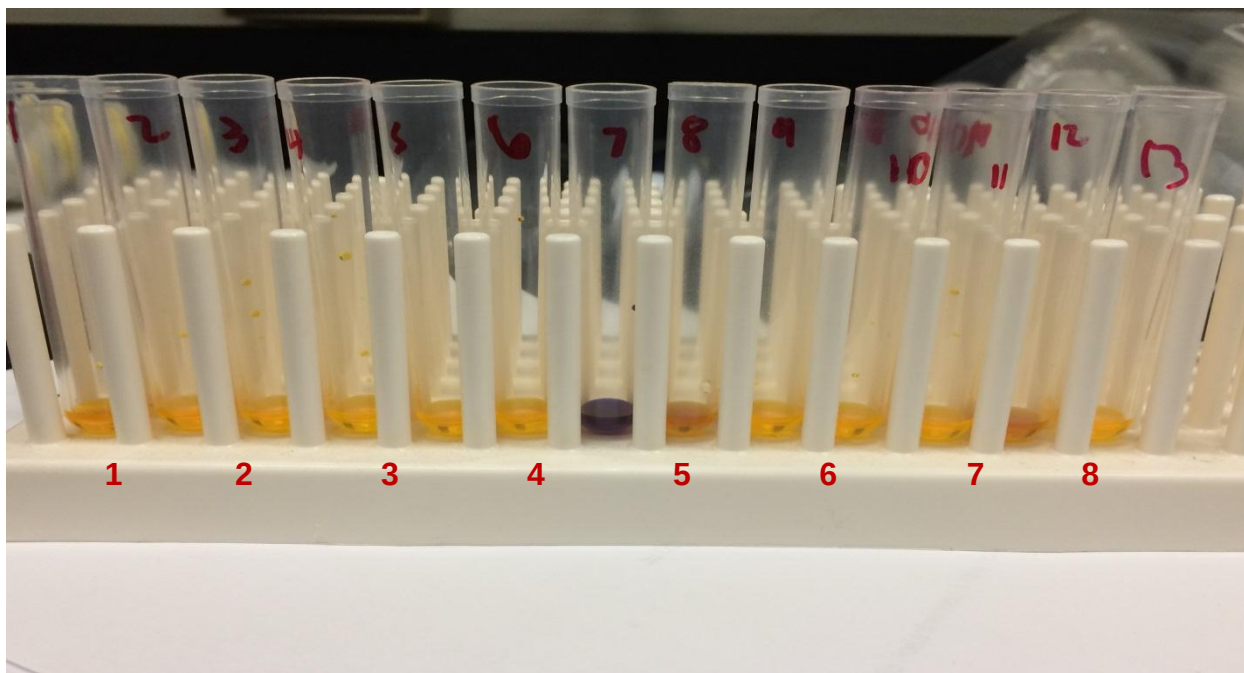


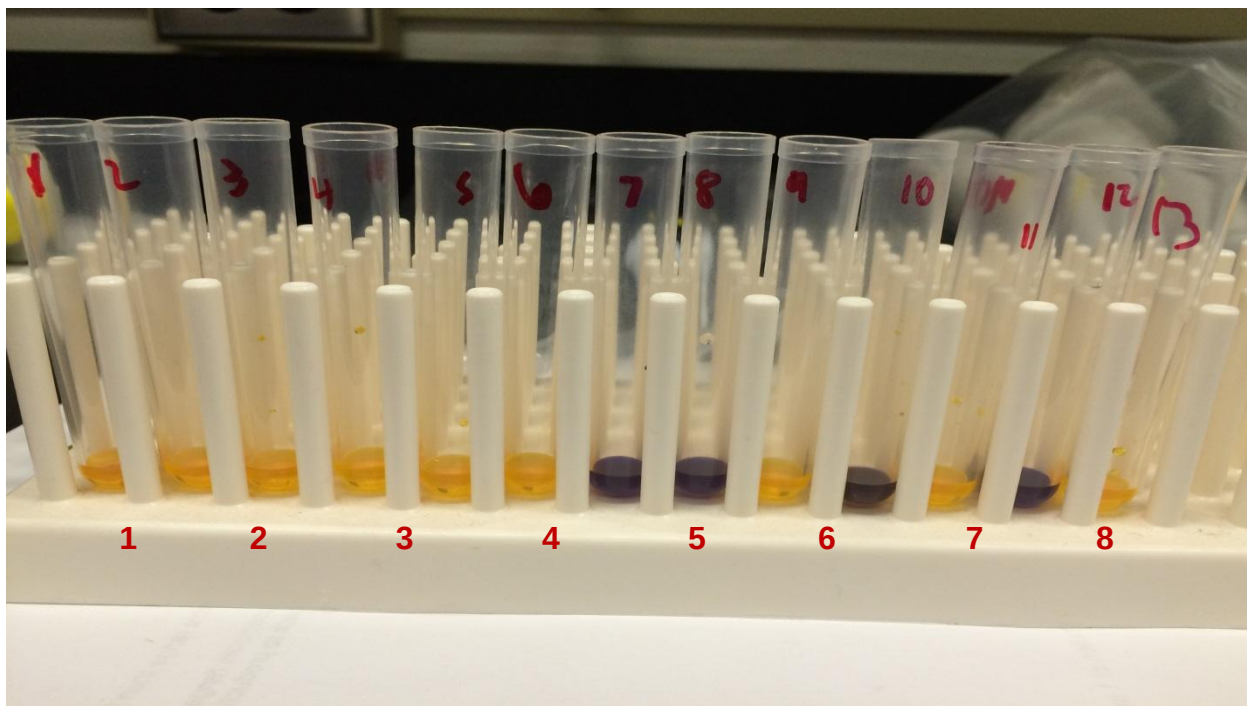
## Supplementary Materials: A Quality Control Assay to Access the HCl Molarity of Radionuclide Solutions

Jonathan Fitzsimmons

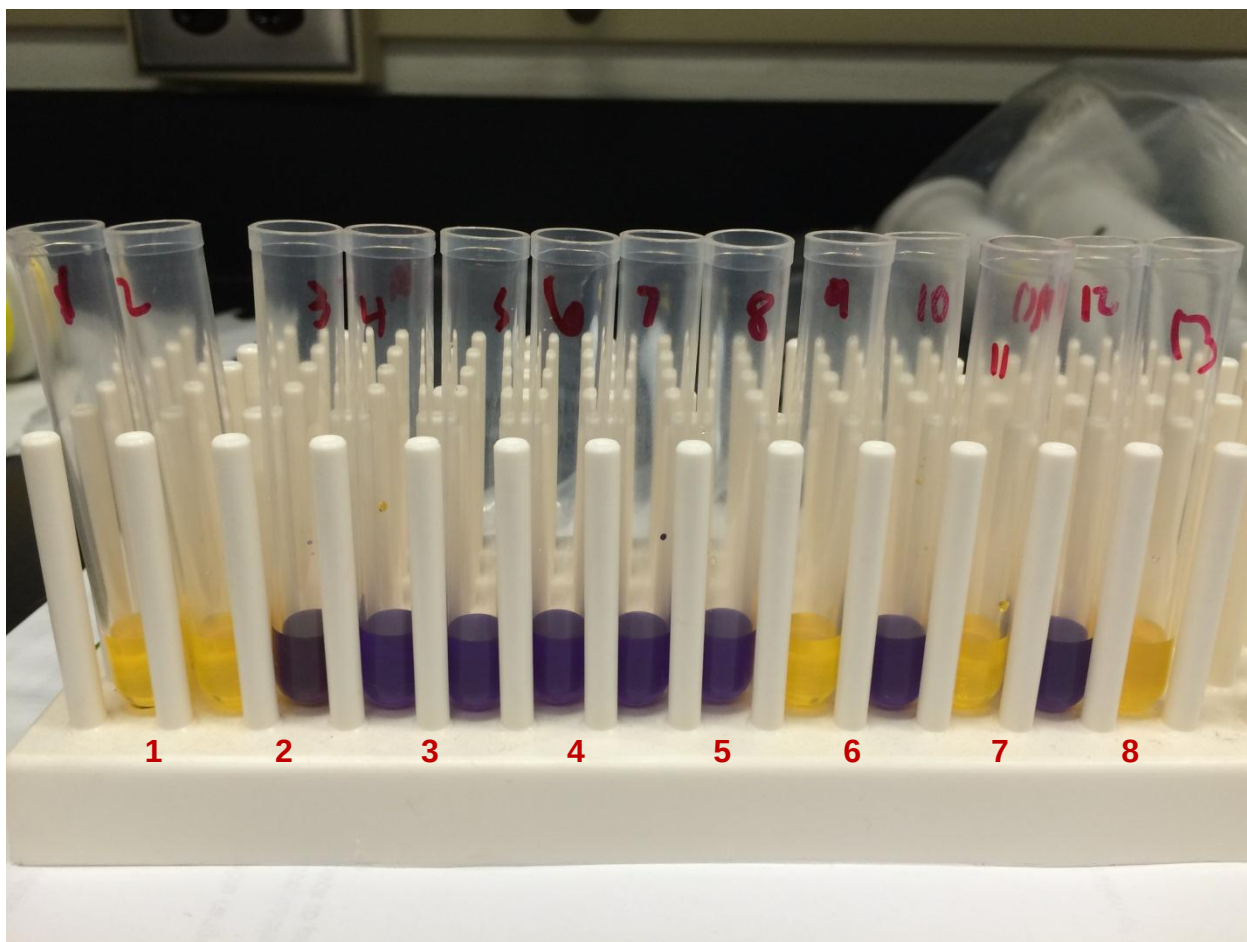
### Pictures of Solutions after each Step



**Figure 1.** Photograph of solutions after Step 1. Solutions: (1) 6M HCl, (2) 4 M HCl, (3) 0.5 M HCl, (4) 0.1 M HCl, (5) 0.1 M HCl, (6) 0.1 M HCl, (7) Ammonia-Ammonium Chloride (failed), (8) Saturated Ammonium Chloride, (9) 0.6 M HCl, (10) 0.4 M HCl, (11) 1 M HCl, (12) water, (13) 0.55 M HCl.



**Figure 2.** Photograph of solutions after Step 2. Solutions: (1) 6M HCl, (2) 4 M HCl, (3) 0.5 M HCl, (4) 0.1 M HCl, (5) 0.1 M HCl, (6) 0.1 M HCl, (7) Ammonia-Ammonium Chloride (failed step (1)), (8) Saturated Ammonium Chloride (failed), (9) 0.6 M HCl, (10) 0.4 M HCl (failed), (11) 1 M HCl, (12) water (failed), (13) 0.55 M HCl.



**Figure 3.** Photograph of solutions after Step 3. Solutions: (1) 6M HCl (failed), (2) 4 M HCl (failed), (3) 0.5 M HCl, (4) 0.1 M HCl, (5) 0.1 M HCl, (6) 0.1 M HCl, (7) Ammonia-Ammonium Chloride (failed step 1), (8) Saturated Ammonium Chloride (failed step 2), (9) 0.6 M HCl (failed), (10) 0.4 M HCl (failed step 2), (11) 1 M HCl (failed), (12) water (failed step 2), (13) 0.55 M HCl (failed).