

Current 222S Laboratory Layout And Analysis Performed by LA&TS

Legend:  Shared by the Tank Farm Operating Contractor and Laboratory Analysis & Testing Services (LA&TS)
 LA&TS

Laboratory Room Number, Type of Analysis Performed in Parenthesis, Analytical Equipment:

Room 5A & 5B (Standards and reagent Preparation): Mercury analyzer and Ion Chromatograph
4D (Standards and Reagent Preparation)
4C (Inorganic/Organic Chemistry): Total Carbon/Total Inorganic Carbon/Total Organic Carbon analyzers, Spectrophotometer
4B (Radiochemistry Separations): Hotplates, drying lamps, ovens
4A: (Inorganic Chemistry): Digital Scanning Calorimeter/Thermal Gravimetric Analyzer (TGA), Ion Chromatographs
4H: (Organic Chemistry): Extraction setups, Accelerated Solvent Extractors
4J: (Radiochemistry Separations): Hotplates, drying lamps, ovens
4K: (Inorganic Chemistry): Ion Chromatographs
4L: (Radiochemistry Development): Separations apparatus equipment
4M/4TUV: (Organic Chemistry): Gas Chromatography (GC)/ Mass Spectrometry (MS), GC/Electron Capture Detector (ECD), Purge & Trap unit, autosamplers
4S: Currently vacated for Room upgrades
4N: Radioactive standards preparation
2B: Microwave Digestion Unit/Sample storage
2H: (Radiochemistry Separations): Hotplates, drying lamps
1L: (Inorganic Chemistry): Inductively Coupled Plasma (ICP)/MS and autosampler
1K: (Inorganic Chemistry): ICP/Atomic Emissions Spectrometer (AES) and autosampler
1J: (Inorganic Chemistry): ICP/MS, ICP/AES and autosamplers
1GB: Currently vacated for Room upgrades
1C: Shielded Glovebox
1B: (Digestion Chemistry): Hotplates, water baths, balances, ovens
11A1: Samples breakdown and Sample preparation
11A2: Archive sample storage
11A3: Archive sample storage
11A4: ICP/AES, LASER Ablation autosampler
B1-A: (Radiochemistry Counting Room): Alpha /Beta Counters, Gamma Energy Analyzers, Alpha Energy Analyzers, Liquid Scintillation Counters
B1F: (Radiochemistry Counting Room): Alpha /Beta Counters, Gamma Energy Analyzers, Alpha Energy Analyzers, Liquid Scintillation Counters
B1C: Sample storage