

Table 5.4
Laboratory Reagent Storage

Reagent	Storage	Location	Conditions
Halogenated Solvents	Vented Storage Cabinets	Organic Prep, GC, BNA, VOC and HPLC Labs	Air Conditioning
Nonhalogenated Solvents	Vented Storage Cabinets	Organic Prep, GC, HPLC, VOC, and BNA Labs	Air Conditioning
Alcohols and Ketones	Vented Storage Cabinets	Organic Prep, GC, HPLC, VOC, Nutrient Labs, and Biology Lab	Air Conditioning
Inorganic Chemicals	Shelving Cabinets	Metals, Nutrients, Inorganic Prep, Organic Prep and HPLC Labs, Chemical Storage Room	Air Conditioning
Formaldehyde, Formalin, and Lugol's solution	Shelving Cabinets	Biology Lab	Air Conditioning
Peroxides	Refrigerator, Shelving Cabinets	Receiving Room, Biology Lab	Less than 4 degrees C, Air Conditioning
Bases	Shelving Cabinets	Biology Lab	Air Conditioning
Acids, Inorganic	Vented Storage Cabinets	General, Nutrients, Metals, Inorganic Prep, Organic Prep, HPLC Labs and Biology Lab	Air Conditioning
Acids, Organic	Vented Storage Cabinets	General, HPLC Labs, Biology Lab	Air Conditioning
Organic Standards and Reagents	Refrigerators, Freezers	GC, HPLC, VOC, BNA Labs	Air Conditioning
Stock Organic Solvents	Vented Storage Room	Solvent Storage Room	Vented by fan 24 hours/day
Stock Acids	Vented Storage Room	Acid Storage Room	Vented by fan 24 hours/day

Reagents for field use are stored in-house as listed above. When in the field they are stored as follows:

<u>Chemical</u>	<u>Method of Storage</u>
Formalin	Capped plastic jug or drop-dispensing bottle.
Ethanol	Capped plastic jug.
Lugol's Solution	Amber plastic bottle
Sulfuric acid	Plastic bottle
Nitric acid	Plastic bottle