Standard Operating Procedure

Hydrolab

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| **Department:** | Earth and Environmental Sciences |
| **Date SOP was written:** | 2/27/2015 |
| **Date SOP was approved by PI/lab supervisor:** | 2/27/2015 |
| **Principal Investigator:** | John Ayers |
| **Internal Lab Safety Coordinator/Lab Manager:** | Richard Bradshaw |
| **Lab Phone:** | Located in SC5708 |
| **Office Phone:** | J. Ayers (615) 322-2158 (campus phone: 2-2158)  Bradshaw (615) 343-0839 (campus phone: 3-0839) |
| **Emergency Contact:** | J. Ayers (615) 973-1879  R. Bradshaw (208) 260-2792 |
| *(Name and Phone Number)* |
| **Location(s) covered by this SOP:** | *SC5708* |
| *(Building/Room Number)* |

**Type of SOP:** ☒ Process ☐Hazardous Chemical ☐ Hazardous Class

**Personal Protective Equipment (PPE)**

**None**

# **Medical Emergency Dial (615) 322-2222 for Vanderbilt Police**

**Life Threatening Emergency, After Hours, Weekends And Holidays** – Dial **(615) 322-2222 for Vanderbilt Police** or go to the nearest emergency room. *Note: All serious injuries must be reported to EH&S within 8 hours.*

**Non-Life Threatening Emergency** – Go to the Occupational Health Facility (OHF). After hours go to the nearest emergency room. *Note: All serious injuries must be reported to EH&S within 8 hours.*

**Protocol/Procedure**

1) Remove the probes from the water storage container (it screws off).

2) Fill either the water storage container or another container with sample water and place the Hydrolab in it. If you are using a different container, try to prevent the probes from touching the bottom of it.

3) Press the power button on the surveyor and wait for the readout to appear on the screen.

4) Once finished, rinse off the probes and the container with either deionized or fresh water and place it back in the storage container. **MAKE SURE THE STORAGE CONTAINER HAS WATER IN IT** (probes can dry out otherwise).

5) **calibration:**

**-** Using same methods as above, fill the storage container with calibration solution.

- Once the surveyor shows a readout, press the following buttons:

* 1. Setup/cal
  2. Calibrate
  3. Sonde

Then choose the parameter you wish to calibrate with the correct units and press “select”.

* Input the correct value of the calibration solution and press “done”.

**NOTE**

Any deviation from this SOP requires approval from PI/Lab Manager.

Further instruction can be found in the manual located where the Hydrolab is stored.

**Documentation of Training** (signature of all users is required)

* Prior to conducting any work with the rock saws, PI or LM must provide training to his/her laboratory personnel specific to the hazards involved in working with this equipment, work area, and emergency procedures.
* The Principal Investigator must provide his/her laboratory personnel with a copy of this SOP.
* The Principal Investigator must ensure that their laboratory personnel have attended appropriate laboratory safety training and are current with any refresher training required.

**I have read and understand the content of this SOP:**

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| **Name** | **Signature** | **Date** |
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