1638 West 59th Ave
Vancouver, BC V6P 1Z4

July 22, 2022

Dr. Ken Macfarlane
2036 Main Mall
Vancouver, B.C., V6T 1Z1
Faculty of Science, Department of Chemistry

Dear Dr. Macfarlane,

Climate change is a serious issue, causing temperatures to rise all over the globe. This is especially concerning for UBC chemists who have no access to air conditioning in the UBC chemistry building. Recently, in the summers of 2021 and 2022 the heat inside the building has made it unbearable to work in a chemist's attire. To help you improve the quality of life in the UBC chemistry building, please accept this formal report on a plan to provide the UBC chemistry building with air conditioning.

Results from the study show that many UBC chemists are in favour of air conditioning. Additionally, during data collection various workers in UBC chemistry would send personal messages, aggressively displaying their support for installing air conditioning in the chemistry building. The aggressive responses stem from the agonizing conditions of the chemistry building during extreme weather events. Furthermore, extreme temperatures can impact personnel safety and experimental results which are topics further explored in the report. The cost of installing and maintaining air conditioning is provided in the report as well.

It has been a pleasant experience in writing this report that tackles a problem close to my heart. With a sample size of 77 participants, valuable information was obtained regarding chemical work in extreme temperatures. Needless to say, global warming will continue to worsen until the world recognizes it as a threat. You may not be able to stop global warming globally but, you can counter the effects locally in the chemistry building. This means installing air conditioning, which would improve the working environment for UBC chemists. Please consider the recommendations listed in the formal report. Hopefully, the findings of the study are useful in helping you to improve the quality of life in UBC chemistry. If there are any questions, please email me at ethan5080@chem.ubc.ca.

Sincerely,

Ethan Fung

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