

## Chromatography – Report Template

Submitted by:

### Standards

Melting point of pure fluorene (literature):	
R <sub>f</sub> of fluorene from TLC analysis:	
Melting point of pure fluorenone (literature):	
R <sub>f</sub> of fluorenone from TLC analysis:	

For each of the test tubes (fractions), provide the requested information and from all of the information you obtained – R<sub>f</sub> comparisons, MP, and color – indicate what your conclusion is for the identity of the compound that was isolated.

Test Tube 2	Visible under UV	Visible in I <sub>2</sub> chamber
R <sub>f</sub> values of components (circle major component):		

Melting point of obtained solid:	
Color of solid residue:	
Major compound in residue:	

Test Tube 3	Visible under UV	Visible in I <sub>2</sub> chamber
R <sub>f</sub> values of components (circle major component):		

Melting point of obtained solid:	
Color of solid residue:	
Major compound in residue:	

### Conclusion

In just a few sentences, summarize your chromatography. Was it successful? What would you do differently?