CHEM 191 Lab Report Rubric

General Evaluation of Learning Goals

Information Literacy	5 _	4	3	2 _	1_
	 }		:	}	:
Have appropriate scholarly sources been cited where necessary?	<u> </u>	{	<u> </u>	}	
Have low-quality or uncredible sources been avoided?	}	}			
Have results been interpreted appropriately and accuratly, with comparisons to other	}	}	•		
scholarly works?	ļ	ļ			.
Has an unbiased description of the problem been presented?	}	}	:	1	
Inquiry	5	4	3	2	1
Have clear, focused questions and/or hypotheses been stated?	3	}	:	2	1
	ļ	}			.
Has an appropriate method of inquiry been explained to answer the questions?	}				
Has the method or inquiry been appropriately applied to answer the questions?		{	<u>i</u>		
Have clear conclusions been drawn regarding the questions and/or hypotheses?	}	<u> </u>	:	1	<u>:</u>
Awareness of Impact	5	4	3	2	1
Have questions been put in context by discussing the broader impacts on humans and the	1	1	<u>:</u>	1	1
natural world?	<u></u>	<u></u>			
Have conclusions been presented that indicate how the findings could be used to develop		{			
public policy, new products, new methods of understanding, etc.?	<u> </u>	{		3	<u>.i.</u>
Have conlusions been presented to indicate actions individuals or public could take to lessen					-
their negative impacts or grow their positive impacts?	}		:		<u> </u>
Evaluation of Manuscript C	ontont				
Evaluation of Manuscript C	.oncenc				
Title & Abstract	5	4	3	2	1
Is the title descriptive and succinct?	j		•		
Has a short, but stand-alone, abstract been provided?	}				:
			•		
Introduction	5	4	3	2	1
Does the Introduction clearly state the overall question/purpose of the study?	1	{	1	3	;
	}	{		}	
Has relevant background information about the analyte(s) been given?	}	}		- }	
Has relevant background information about the technique been given?	1	!	<u>:</u>	1	
Materials and Methods	5	4	3	2	1
Are methods detailed enough that the study can be repeated by another trained scientist?	1	<u> </u>			<u> </u>
Are there any irrelevant details that could be omitted?	}	}		3	-
Are instrument methods clearly detailed, including tables where appropriate?	3	}	:		
			•		
			3	2	1
Results and Discussion	5				•
Has the main finding been clearly presented?	5	4	3		:
Has the main finding been clearly presented?	5	4	3		<u> </u>
Has the main finding been clearly presented? Are there factual, logical, analytical, statistical, or mathematical errors?	5	4	3		
Has the main finding been clearly presented? Are there factual, logical, analytical, statistical, or mathematical errors? Are all figures and tables clearly explained, in order?	5	4	3		
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Evaluation of Grammar and Formatting

	5	4	3	2	1
Is the document written according to the CHEM 191 writing guide?					
Are sections clearly labelled?				{	
Are the transitions between sections and paragraphs logical?				}	
Are paragraphs and sentences cohesive?	}			{	
Are there any grammar, punctuation, or spelling errors?	}			{	
Has unnecessary information been appropriately omitted?					
(Is there anything that should be omitted?)				}	

 $^{5 = \}mathsf{excellent}, 4 = \mathsf{good}, 3 = \mathsf{sufficient}, 2 = \mathsf{needs} \, \mathsf{improvement}, 1 = \mathsf{lacking}$