PCP Quantitation EXCEL Worksheet Example

Vial	Standard Control Sample	**PCP** peak area	**CHEP** peak area	**Ratio** PCP/CHEP	Conc. Of Std. PCP (**µg/ml**)	Factor (**mg/ml**)#	PCP Concentration (**µg/ml**)	% Recovery	Sample Dilution in EtAc (**µG/ml**) 1:**XXXX***	PCP amount in (mg/ml)	Volume of the Sample in (**ml**)	Calc Con PCP (mg)	PCP gram
	PCP STD. 20 µg/ml			#VALUE!	20.0	#VALUE!	#VALUE!	#VALUE!					
	CHEP												
	PCP CON. µg/ml			#VALUE!	10.0		#VALUE!	#VALUE!					
	CHEP												
	PCP CON. 5 µg/ml			#VALUE!	5.0		#VALUE!	#VALUE!					
	CHEP							% Difference					
	sample p1			#VALUE!			#VALUE!		#VALUE!	#VALUE!		#VALUE!	#VALUE!
	sample p2			#VALUE!			#VALUE!	#VALUE!	#VALUE!	#VALUE!		#VALUE!	#VALUE!

The multiplier of these cells must be adjusted to match the dilution made for the individual samples. ⟶

Factor = the ratio of the response or PCP/ IS of the calibrator, divided by the theoretical concentration of the calibrator. This factor is used to calculate the concentration of the PCP in the controls and samples.

PCP certified reference standard was used for this batch. Cerilliant lot:_____ certified as _____mg/ml. Calibrator was made by _____, controls and samples prepared by _____ as follows: **Calibrator**: 100ul PCP standard QS with EtAc to 10ml, **High Control**: 200ul PCP standard QS with EtAc to 10ml, **Low Control**: 50ul PCP PCP standard QS with EtAc to 10ml, Samples ____ul sample QS with EtAc to ____ml.

GC/MS preparation: Calibrator, controls and samples: 500ul IS + 500ul solution (calibrator, control or sample)

Batch Run by: _____ Date: _____ Batch Reviewed by: _____ Acceptable: **Yes / No**

This is a representation of the batch sheet used there can be variations based on the needs of the case(s). This is the minimum information required. The batch sheet is located on the shared drive under CS Quants