Method Detection Limit (MDL) and Validation Study

Analyst: _____ **Analyte:** _____
Instrument: _____ **Matrix:** _____
File(s): _____ **Test:** _____
Date(s): _____ **Method:** _____
SOP: _____

Sample ID	Field ID	Result
		Units:

Mean Result: #DIV/0!
Units:
SD: #DIV/0!
Units:

Calc. MDL: #DIV/0!
Units:

SD = Standard Deviation
RSD = Relative Standard Deviation
PQL = Practical Quantitation Limit

TABLE 1: MDL STUDY based on method blanks

Sample ID	Field ID	Result	Actual	Recovery (%)
		Units:	*Units:*	
				#DIV/0!
				#DIV/0!
				#DIV/0!
				#DIV/0!
				#DIV/0!
				#DIV/0!
				#DIV/0!

Mean Recovery (%): #DIV/0!

%RSD: #DIV/0!

Mean Result: #DIV/0!
Units:
SD: #DIV/0!
Units:

Calc. MDL: #DIV/0!
Units:

TABLE 2: MDL STUDY based on spiked matrix

Sample ID	Field ID	Result	Actual	Recovery (%)	Acceptable (Y/N)
		Units:	*Units:*		
				#DIV/0!	

TABLE 3: LIMIT OF DETECTION VERIFICATION (LOD)

Sample ID	Field ID	Result	Actual	Recovery (%)	Acceptable (Y/N)
		Units:	*Units:*		
				#DIV/0!	

TABLE 4: LIMIT OF QUANTIFICATION VERIFICATION (LOQ)

Working MDL:
PQL:

Reviewed by: _____

Approved by: _____