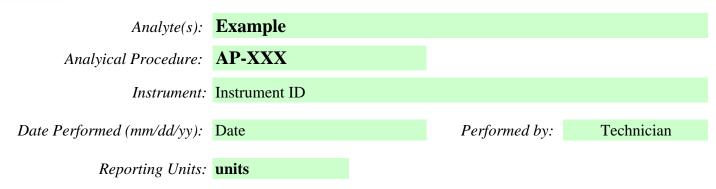
## **MDL ESTIMATION**



					"Estimated" MDL:	1	units	
		Note:	Prepared Lab S	tandard Concentration	ation should be should be 5 - 10	times "Estimate	MDL"	
			Prepared	l Lab Stand	ard Concentration:	5	units	OK
	Replicate	Value	Excluded Outlier <sup>(1)</sup>	Accepted Value	Note: Maximum 1 outlier per analytical MDL bat			h
	<u>Number</u>	<u>units</u>	<u>(x)</u>	<u>units</u>				
Note: Each sample must be processed	1	4.350		4.350	Number of Replicates (n): 10			OK
	2	4.880		4.880				
	3	5.100		5.100	Standard Deviation (S): 0.3123			
	4	5.250		5.250				
	5	4.900		4.900	Student t Value $(t_{(n-1)})$ : 2.821		: 2.821	
rough the entire	6	5.150		5.150		· · · ·		
analytical procedure and must be recorded in run order	7	4.510		4.510	Mean Ana	lvte Level :	4.942	units
	8	4.850		4.850				
	9	5.130		5.130	Mean Analyte	<b>Recovery</b> :	<b>98.8</b>	%
	10	5.300		5.300	Note: report calculated MDLt	•	digits	
	11				Calculated MDL:	0.8810	units	MD
Outlier identified	by the Dixon Test		0	OK	Note: MDL should be 5 - 10 t	imes Mean Analy		5.61
6.0								Target
								Points
5.5								Mean
5.0								+1s
5.0	1							
4.5				· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·		-2s
×								
								+3s

*Notes:* (please include any information which may be pertinent, i.e. instrument conditions, replicate exclusion reasons, etc.

Technician Signature:

Lab Manager Signature:

Please forward completed sheet to Laboratory Manager for approval.