

## TRITIUM BIOASSAY REPORT

Name	SSN	Birth	Date
Sample Date	Building	Room/Lab	Number
С	oncentration of Tr	itium (H-3)	
C <sub>s</sub> (gross sample co	unts per minute) = _	(	cpm
C <sub>b</sub> (background counts per minute) = cpm			
E (counting efficience	y for tritium) =		
V (volume of sample	e) = m		
Concentration = [ C	s - C <sub>b</sub> ] / [ (2.22 x 1	0 <sup>6</sup> dpm/μCi)	EV]
Concentration =		_ μCi/ml	
Minimu	m Detectable Activ	vity Determi	nation
R <sub>b</sub> (background coul	nt rate) =	cpm	
T (counting time) =	minute	es	
E (counting efficience	y for tritium) =		
V (volume of sample	e) = m	I	
MDA = [2.71 + 4.6]	5 (R <sub>b</sub> T) <sup>1/2</sup> ] / [ (2.2	2 x 10 <sup>6</sup> dpm/ <sub>l</sub>	uCi) E V T ]
MDA =	μCi/ml		
Sample prepared by	Sample co	unted by	Date