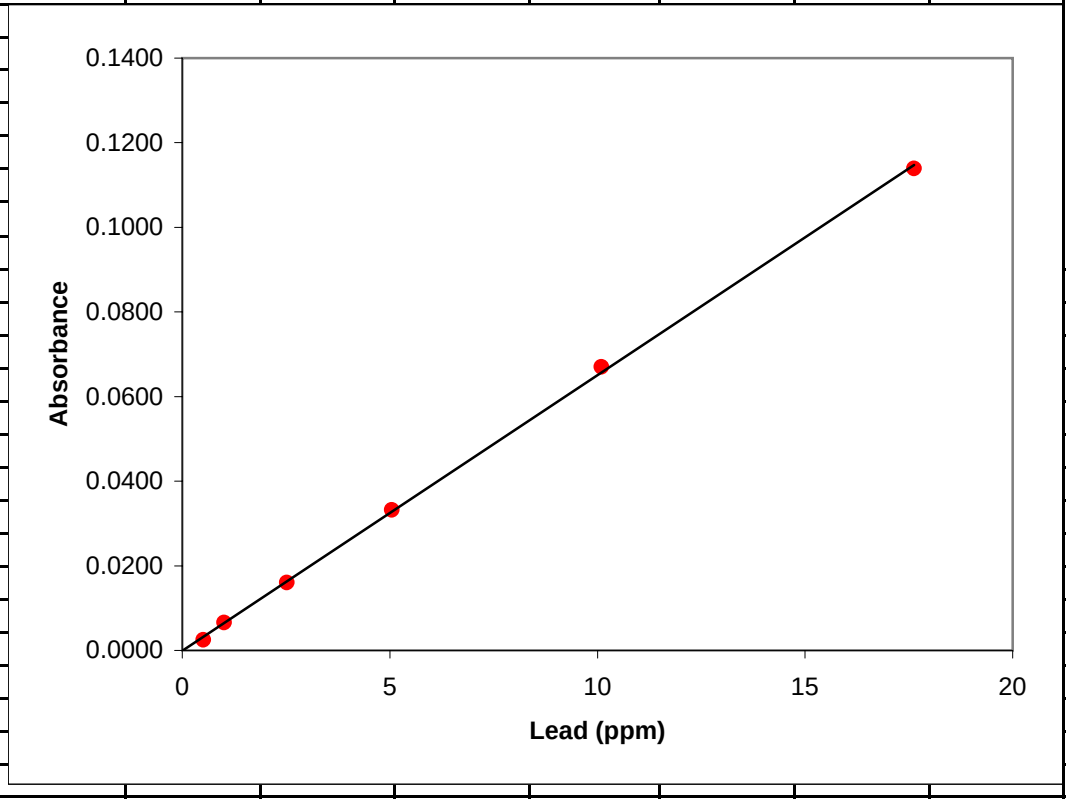
	A	B	C	D	E	F	G	H	I	J	K	L
1	Brass mass (g)	**1.0023**		**[Pb]**	**Abs**		x	x^2	di^2			
2	dilution factor	**10**		0.505	0.0025		0.505	0.255	4.7E-07			
3	Volume of stock (mL)	**500**		1.009	0.0066		1.009	1.018	6.5E-09			
4	number of replicates	**2**		2.523	0.0160		2.523	6.366	1.1E-07			
5				5.046	0.0332		5.046	25.462	1.9E-07			
6				10.093	0.0670		10.093	101.869	1.7E-06			
7				17.625	0.1139		17.625	310.641	6.7E-07			
8				unknown	0.1012							
9	slope	0.0065131				sums=>	36.801	445.61	3.18E-06			
10	intercept	-7.73E-05	**DOF**	**t (95%)**								
11	sy	8.91E-04	1	12.706								
12	n	6	2	4.303								
13	D	1319.3465	3	3.182								
14			4	2.776								
15	x value	15.549774	5	2.571								
16	sx	0.1414934	6	2.447								
17	RSD x	0.91%	7	2.365								
18			8	2.306								
19	[Pb]	15.549774	9	2.262								
20	[Pb] in stock	155.49774	10	2.228								
21	Pb mass	0.0777489										
22	**wt% Cu**	**7.76**										
23	**95% CI.**	**0.20**										
24												
25												
26												
27												
28												
29												
30												
31												
32												
33												
34												



CELL	VALUE	FORMULA
B9	slope	SLOPE(E2:E7,D2:D7)
B10	intercept	INTERCEPT(E2:E7,D2:D7)
B11	sy	SQRT(I9/(B12-2))
B12	n	COUNT(E2:E7)
B13	D	(H9*B12)-(G9*G9)
B14		
B15	x value	(E8-B10)/B9
B16	sd x-int.	B11/ABS(B9)*SQRT((1/B4)+(B15^2*B12/B13)+(H9/B13)-(2*B15*G9/B13))
B17	RSD x-int	B16/B15
B18		
B19	[Pb]	B15
B20	[Pb] in stock	B15*B2
B21	Pb Mass	B20*B3/1000/1000
B22	**wt% Pb**	B21/B1*100
B23	**95% CI.**	LOOKUP(B12-2,C11:D20)*(B22*B17)
G2	x	D2
H2	x^2	D2^2
I2	di^2	(E2-(B9*D2+B10))^2
G9	sum x	sum(G2:G7)
H9	sum x^2	sum(H2:H7)
I9	sum di^2	sum(I2:I9)