

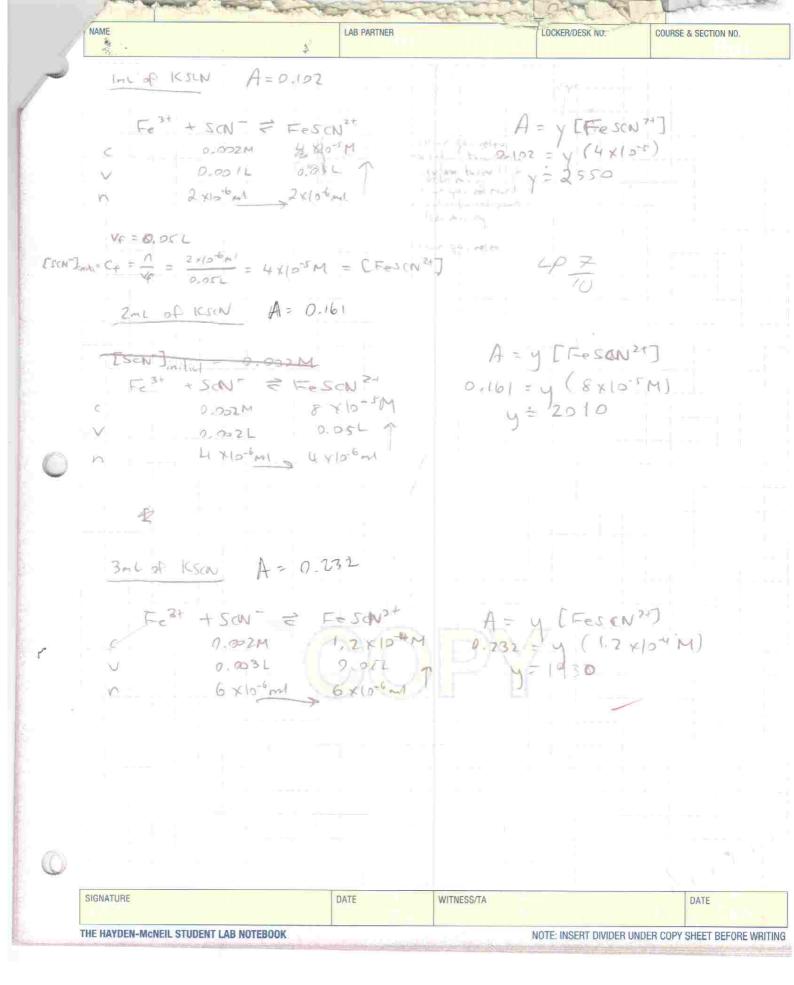
Observation:

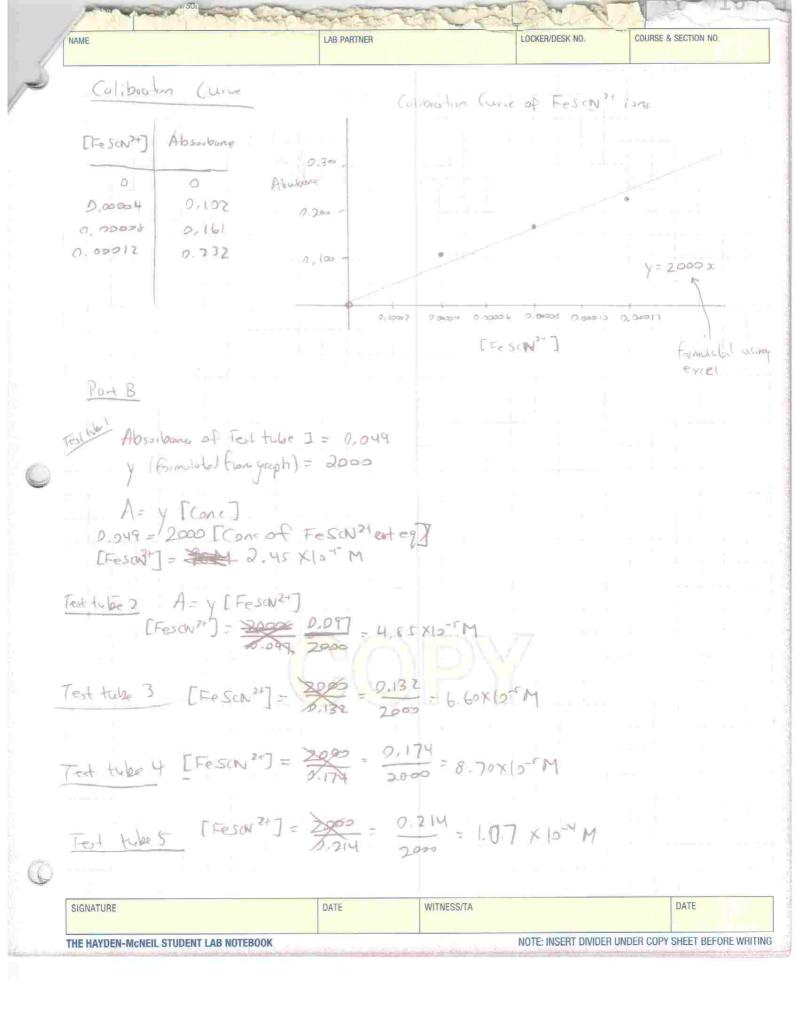
	Beby	During	After		Absorbance
I ML KSCN + Fe(NO))3	1 transporent	-born cas released - Extelior tempology for terred light	-Tight browns -Tight or the cont		0.102
2ml KSIN + FEIND3)3	both ECW and Fe (NO)	The state of the s	- transvier		0.16.1
3ML KSCN + Fe(NO))3	Fe (NDs)	-boun gas released - solution turned bound - country turned dark brown ofter M 1xin	dorlebour -lights -longlycen	-	0.237

Test tube	1	2	3	ч	5
mL KSCN	1.00	2.00	3.00	4.00	9.00
mL Fe (NO3)3	5,00	5.00	5.00	5.00	5.00
ML Hio	4.00	3.00	7.00	1.00	_
Quelitative Observations	trustical lightyeth trustical trustical trustical	-light boun -translucent -lighted	- Orange/ Orange - transferent - lighted	- Jordin - transluciel - Christ	- Lieus Lu en
Absorbance	01049	0.097	0.132	0.174	0.214

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NAME	LAR	PARTNER	LOCKER/DESK NO.	Options a second
		201101	LUGKEN/DESK NU.	COURSE & SECTION
Calculation for	Parl 8		= F	
tube 1				
KSCN ->	K+ + 500-	E-/NO)3 => Ee 31	
	2×10-44	C 0 002	M (VIO?NA	4 1003
V 0.001L	0,016 6	total volume V 0.005	1 00116	4.15
n 2x10-6mg	2×10-100	n 1×10-1	N/a-5.1	later value
		r C. Trivita I	7 7 7 7 7 7	
[SCN] into 1 =	2×10 MM	EF 21	1. ml = 1 x 10-7	rl
* "I			1000 2 (202)	=-
Fe3' +	Son- = Fes	CN2. [Fes	WiJey = 2.45	*10-5M
1 x 10 3 M	2 x 10-4M 9		req.	7
C -7x	-2 +2			
E /x10-3-x	2 x 10 - x T =	7.45 Klost M		
[Fe 3+] =	1×10-3-2,45 ×15-5	. 6.0	Fesal 1	
- =	7.755 x10-4 M	CE	Feron []	
			, UF ×10-5	
[S CN] =	2 ×10 × - 2.45 ×10+	1971	155 ×104) (1755	XION)
-	755 X10+M	K, = 14		
tubo Z				-
KSON & K+	+50N- [S(N-] : 4 x10	4M	
C D, MZM	4×104M	2.03.10		
V 0, 1321	0,01L [F	= 1 1 × 10-31	Μ	
n 4x10-1m1	4x10-bol	low as fest tole 1)		
Fe 3 + SCN	= Feson 24 [Fe	5 CN24] Eq = 4,85 X	10-1 M	
1: 1×10-34 4×10-41	1			
x- x-)	+ >c		7-1 T	
E 14(0-7->1 4 X10-4	-x x=4,85 x(0	FM K-	4.85 ×155	
	444		4.85 ×105 9.515 ×10-1) (3.5	15 x/04)
[I= 31] e4 = 17	10-3 - 4, 8+ ×10-1	K2 =	144	
= 9,	515 ×10-4 M	102	elas.	
L 2 (W) DG = 4	40-4 - 4.85 X105			

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Test tube 3

KSON 2 K+ + SCN-0.002M 6x10 MM Msw.o

V 0,003L

n 6x10-on1 6x10-om1

ESON- Timited = 6 × 10 M.

[Fe7+] milu = 1 x 12 -3 M

[Feschis]cq = 6.6 × 15-5 M

Fe31 + SON & FESON24

C 1×10-3 6×10-4

n 1×10-3-> 6×10-4-> 2 = 6-6×10-5

[Fe 31] = 1 ×10-3-16.6 ×10-5 = 9,34 ×10-4 M

[SCN] = 6x10-4 - 6.6 x(0-5) = 5,34 x10-1M

K = 6-6 × 10-5 (9.34×10~) (5,34×10~4) K= 132

Tel tule 4

KSON = K+ + SON-

C 0.002M

+ SON - [SON] = 8 × 10-4 M

V 0.004L

n 8x10-6m1 8x10-6m1

[Fe 3+] 1 x 10-3 M

[Fe S(N)] = 8.70 ×10-5 M

Fe 31 + SCN = F. SCN2+

C /X10-3 8 XD-4 0

n /x10-3-x 8410"=2

[teat] eq = 1 × 10-3 - 8.7 × 10-1 = 9,13 × 10-4 M

[SON] eq = 8×10-4 - 87×10-5 = 7.13 × 15-4 M

Ky ≈ 134

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Test tube 5

KSON = K+ + SON-

[San] = 1 x10-3 M

C 0.002M 0,005L

[F=9+] in | = 1 × 10-3 M

1 ×12 m1

[Fe Squ'2] = 107 × 154 M

1×153 1×15-3

[Fe 3+] = [SCN] = 1 × 10-3 - 1,07 × 10-4

(6,93×10-4)

Ky = 134

Calculated K wholes

145 132 134

Average Ke = 143 + 145 + 132 + 134 + 134

= 138

is The K by the random Fe 3+ + SON = FeSON is

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