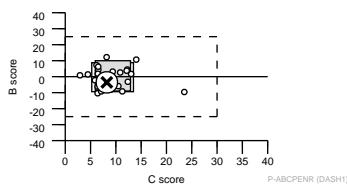


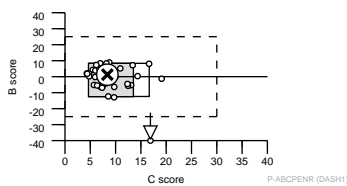
Birmingham Quality

Performance Summary Icons (click graph for details)

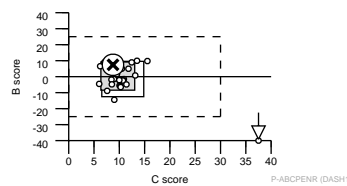
Initial TSH



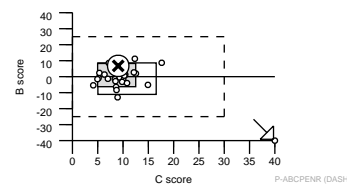
Final TSH



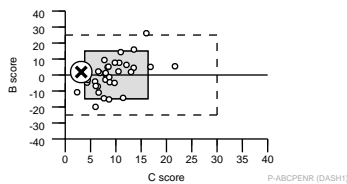
Initial IRT



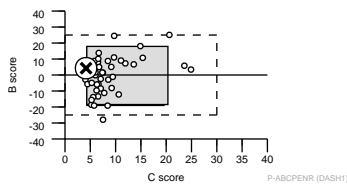
Final IRT



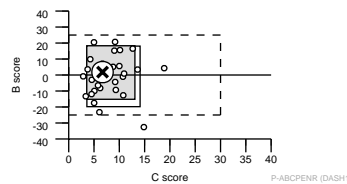
Initial Phe



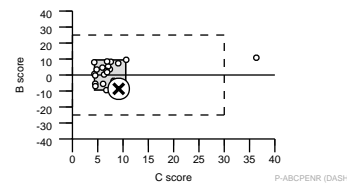
Final Phe



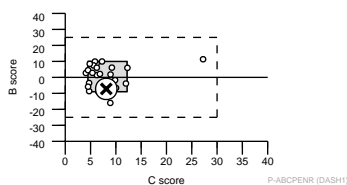
Tyr



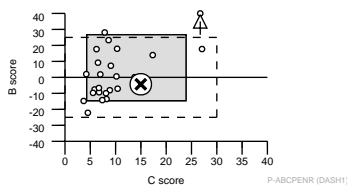
Initial C8



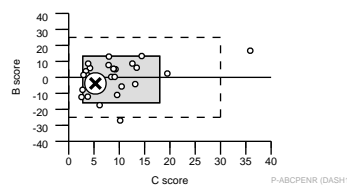
Final C8



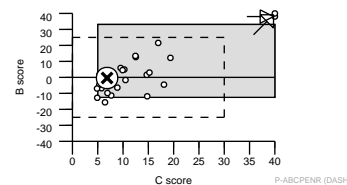
C10



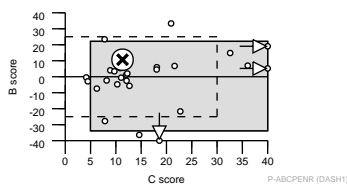
C8/C10 ratio



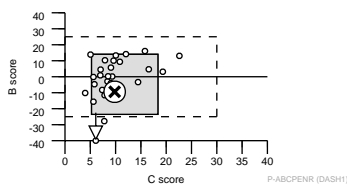
C5



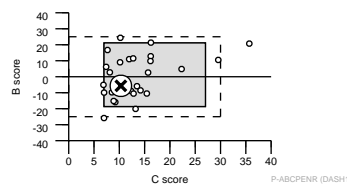
C5DC

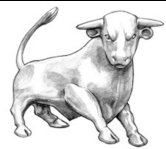


Leu



Met





Birmingham Quality

UK NEQAS for Newborn Screening

Laboratory :

Distribution : **263**

Date : 21-Jun-2015

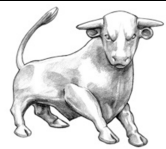
Page 3 of 8

Distribution Summary

This distribution contained three cards/pools that were originally dispatched at Distribution 254.

	Specimen	Pool	Result	Target	Specimen %bias	B score	C score	B	C
Initial TSH (mU/L WB)	263A	590	7.51	7.7	-2.9	-3.6	8.2		
	263B	591	6.03	6.2	-3.3				
	263C	592	3.97	4.1	-2.7				
Initial TSH interpretation (N or F)	263A	590	N	F					
	263B	591	N	N					
	263C	592	N	N					
Final TSH (mU/L WB)	263A	590	7.51	7.8	-3.6	+1.2	8.4		
	263B	591	6.38	6.2	+3.2				
	263C	592	4.17	4.1	+1.1				
CHT interpretation (N, B or P)	263A	590	N	N					
	263B	591	N	N					
	263C	592	N	N					
Initial IRT (ng/mL [ug/L] WB)	263A	590	23.52	27.2	-13.6	+7.4	8.7		
	263B	591	31.48	33.6	-6.4				
	263C	592	56.66	56.1	+1.0				
Initial IRT interpretation (N or F)	263A	590	N	N					
	263B	591	N	N					
	263C	592	N	F					
Final IRT (ng/mL [ug/L] WB)	263A	590	22.91	28.1	-18.6	+6.7	9.0		
	263B	591	31.88	34.2	-6.9				
	263C	592	59.69	55.7	+7.2				
CF interpretation (N or P)	263A	590	N	N					
	263B	591	N	N					
	263C	592	N	N					
Initial Phe (umol/L WB)	263A	590	189	184	+2.8	+1.9	3.2		
	263B	591	253	226	+11.7				
	263C	592	251	240	+4.5				
Initial Phe interpretation (N or F)	263A	590	N	N					
	263B	591	F	F					
	263C	592	F	F					
Final Phe (umol/L WB)	263A	590	192	181	+5.8	+4.3	4.2		
	263B	591	242	220	+9.9				
	263C	592	257	234	+9.6				
Tyr (umol/L WB)	263A	590	195	188	+3.5	+1.8	6.7		
	263B	591	225	217	+3.5				
	263C	592	237	227	+4.3				

Specimens for Distribution 264 will be dispatched on Monday 29 June 2015, results are due back in Birmingham by, notionally, 23:59 on Sunday 19 July 2015.



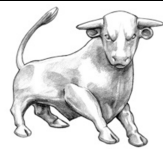
Birmingham Quality

Distribution Summary

This distribution contained three cards/pools that were originally dispatched at Distribution 254.

	Specimen	Pool	Result	Target	Specimen %bias	B score	C score	B	C
PKU interpretation (N, P or O)	263A	590	N	N					
	263B	591	P	N					
	263C	592	P	O					
Initial C8 (umol/L WB)	263A	590	0.425	0.44	-4.3	-8.6	9.1		
	263B	591	0.391	0.37	+4.7				
	263C	592	0.235	0.25	-4.6				
Initial C8 interpretation (N or F)	263A	590	F	F					
	263B	591	F	N					
	263C	592	N	N					
Final C8 (umol/L WB)	263A	590	0.433	0.44	-1.7	-7.2	8.1		
	263B	591	0.366	0.37	-1.0				
	263C	592	0.247	0.24	+1.6				
C10 (umol/L WB)	263A	590	0.514	0.48	+7.8	-4.3	15.0		
	263B	591	0.424	0.40	+5.8				
	263C	592	0.296	0.27	+9.5				
C8/C10 ratio	263A	590	0.843	0.93	-9.2	-3.8	5.3		
	263B	591	0.863	0.93	-7.0				
	263C	592	0.836	0.91	-7.9				
MCADD interpretation (N or P)	263A	590	N	N					
	263B	591	N	N					
	263C	592	N	N					
C5 (umol/L WB)	263A	590	0.35	0.33	+5.0	-0.4	6.8		
	263B	591	0.68	0.66	+2.7				
	263C	592	0.94	0.89	+6.2				
C5DC (umol/L WB)	263A	590	0.95	1.00	-5.3	+10.7	11.3		
	263B	591	0.72	0.70	+2.2				
	263C	592	0.34	0.36	-5.8				
Leu (umol/L WB)	263A	590	621	709	-12.4	-9.4	9.8		
	263B	591	385	405	-5.0				
	263C	592	226	221	+2.0				
Met (umol/L WB)	263A	590	102.9	100	+3.2	-5.7	10.3		
	263B	591	53.0	52	+2.1				
	263C	592	27.7	28	-1.0				

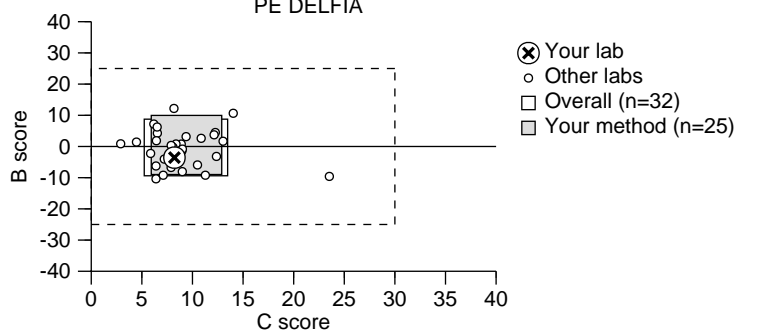
Specimens for Distribution 264 will be dispatched on Monday 29 June 2015, results are due back in Birmingham by, notionally, 23:59 on Sunday 19 July 2015.



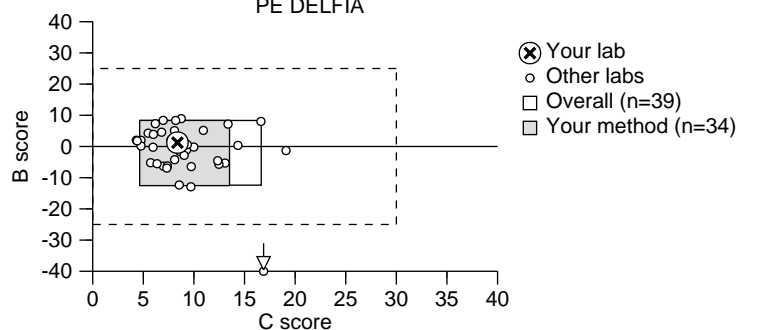
Birmingham Quality

Cumulative Summary

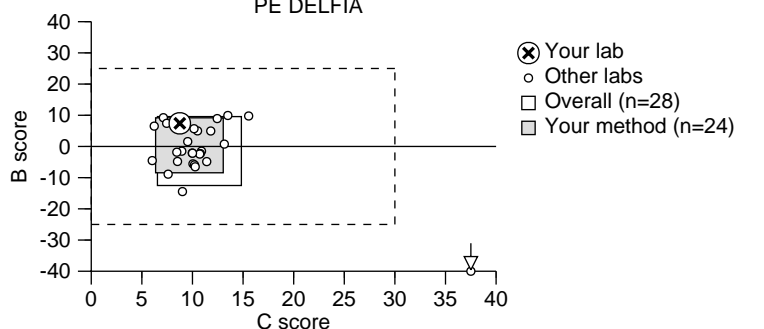
Initial TSH B score is -3.6 and C score is 8.2
PE DELFIA



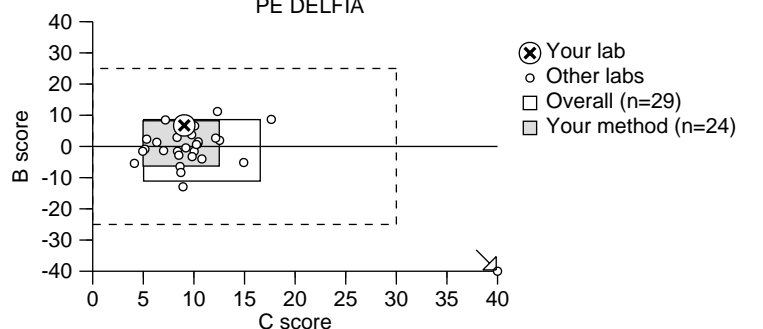
Final TSH B score is +1.2 and C score is 8.4
PE DELFIA



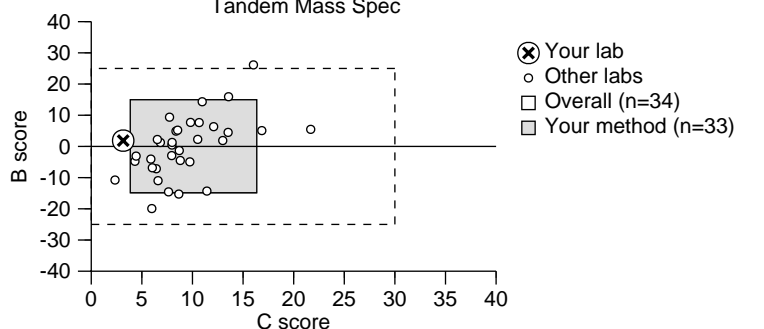
Initial IRT B score is +7.4 and C score is 8.7
PE DELFIA



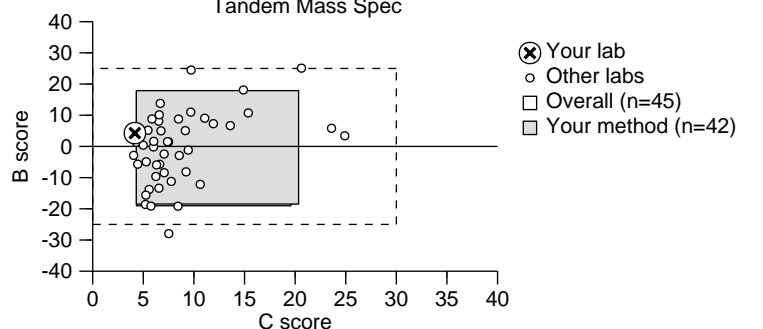
Final IRT B score is +6.7 and C score is 9.0
PE DELFIA



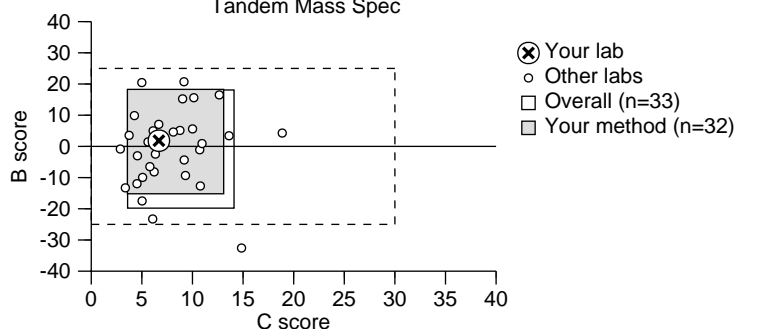
Initial Phe B score is +1.9 and C score is 3.2
Tandem Mass Spec



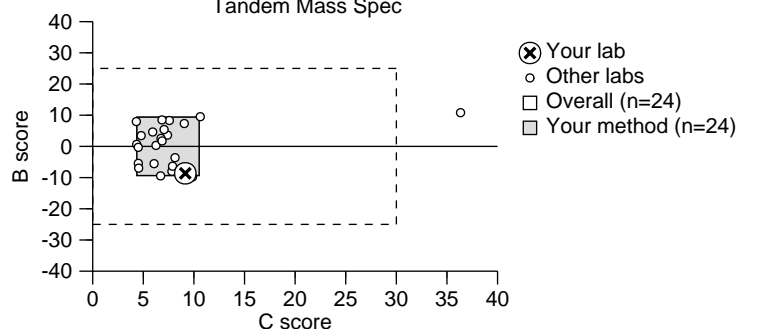
Final Phe B score is +4.3 and C score is 4.2
Tandem Mass Spec



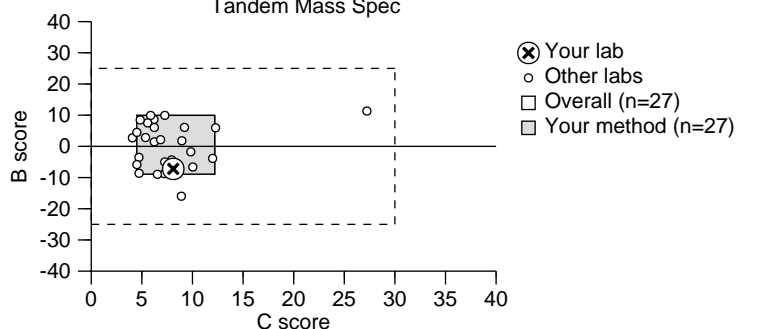
Tyr B score is +1.8 and C score is 6.7
Tandem Mass Spec



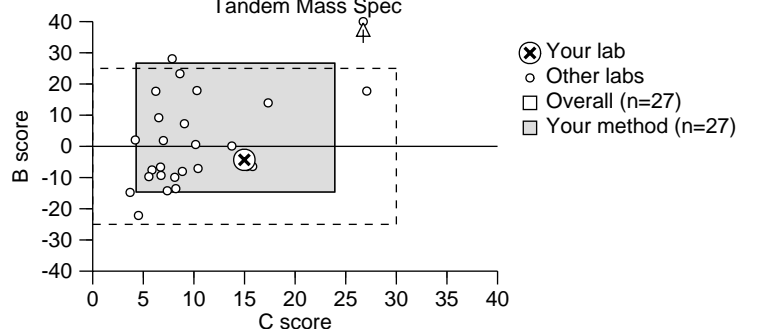
Initial C8 B score is -8.6 and C score is 9.1
Tandem Mass Spec

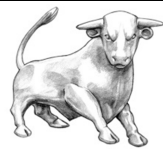


Final C8 B score is -7.2 and C score is 8.1
Tandem Mass Spec



C10 B score is -4.3 and C score is 15.0
Tandem Mass Spec

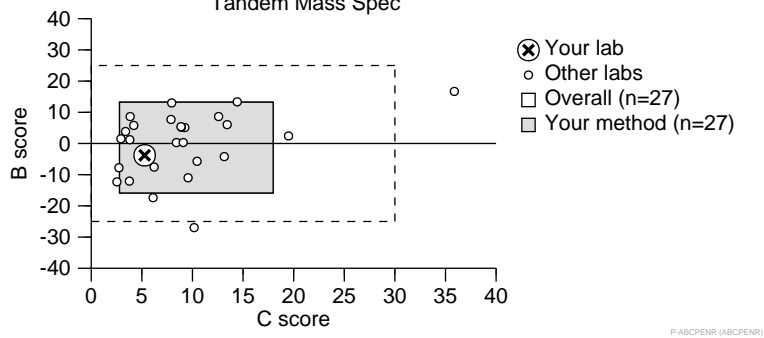




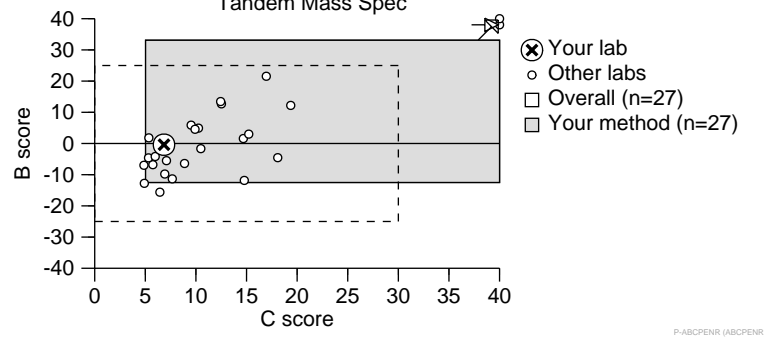
Birmingham Quality

Cumulative Summary

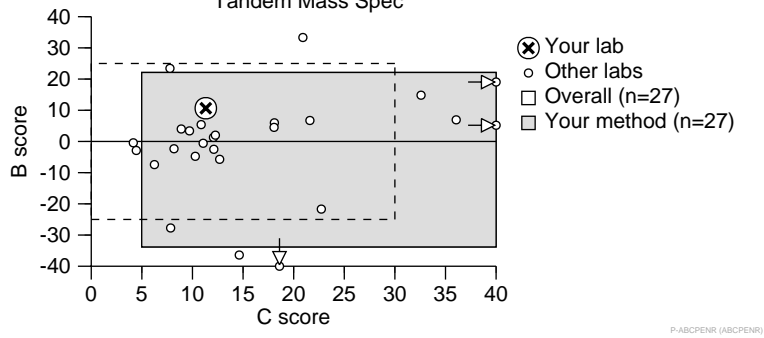
C8/C10 ratio B score is -3.8 and C score is 5.3
Tandem Mass Spec



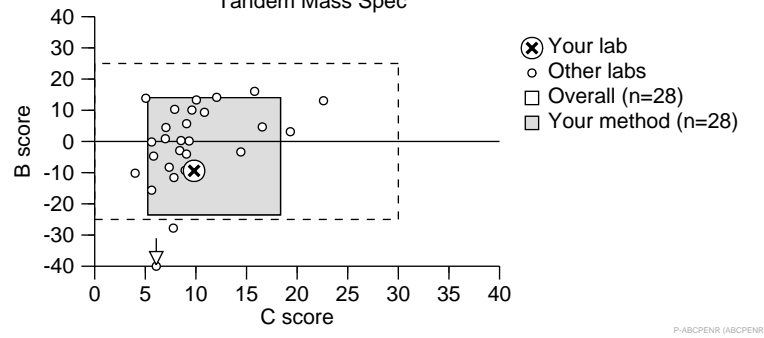
C5 B score is -0.4 and C score is 6.8
Tandem Mass Spec



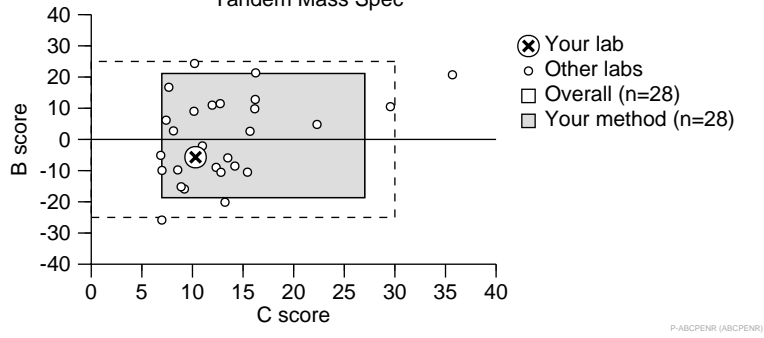
C5DC B score is +10.7 and C score is 11.3
Tandem Mass Spec

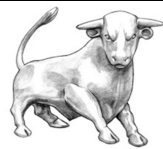


Leu B score is -9.4 and C score is 9.8
Tandem Mass Spec



Met B score is -5.7 and C score is 10.3
Tandem Mass Spec





Birmingham Quality

UK NEQAS for Newborn Screening

Laboratory :

Distribution : **263**

Date : 21-Jun-2015

Page 7 of 8

Analyte : Initial TSH (mU/L WB)

Spec.	Pool	Pool description / Treatments / Additions
263A	590	DBS stored frozen; freshly prepared at 254
263B	591	DBS stored frozen; freshly prepared at 254
263C	592	DBS stored frozen; freshly prepared at 254

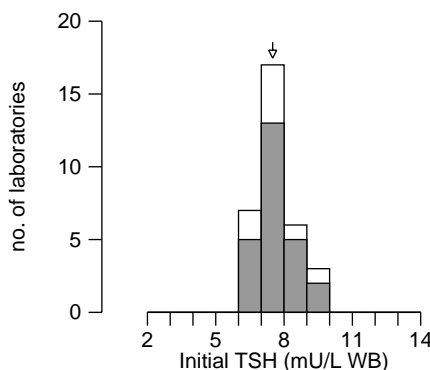
All methods
 PE DELFIA

Your B score is -3.6
 Your C score is 8.2

 The B limit is +/- 25.0
 The C limit is 30.0

Specimen : 263A

	n	Mean	SD	CV(%)
All methods [ALTM]	33	7.7	0.9	11.0
PE DELFIA	25	7.7	0.7	9.7
GSP	4	7.0		



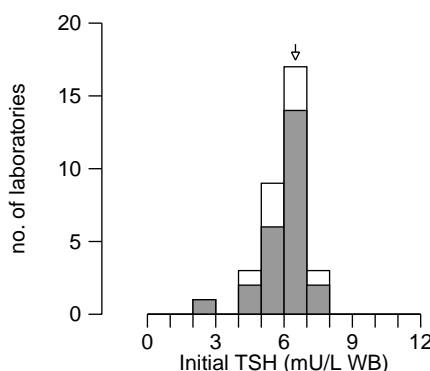
Your result 7.51
 Target value (ALTM) 7.7
 Standard Uncertainty 0.2

 Your specimen:
 %bias -2.9 ◆
 Accuracy Index

 Notional 'Spike' 8.0
 PE DELFIA 7.7

Specimen : 263B

	n	Mean	SD	CV(%)
All methods [ALTM]	33	6.2	0.6	9.8
PE DELFIA	25	6.3	0.6	9.0
GSP	4	6.0		



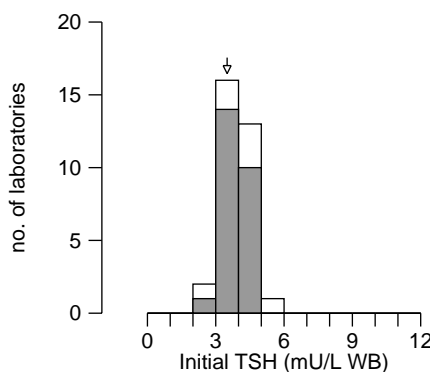
Your result 6.03
 Target value (ALTM) 6.2
 Standard Uncertainty 0.1

 Your specimen:
 %bias -3.3 ◆
 Accuracy Index

 Notional 'Spike' 6.0
 PE DELFIA 6.3

Specimen : 263C

	n	Mean	SD	CV(%)
All methods [ALTM]	32	4.1	0.3	6.6
PE DELFIA	25	4.1	0.2	5.6
GSP	4	4.0		

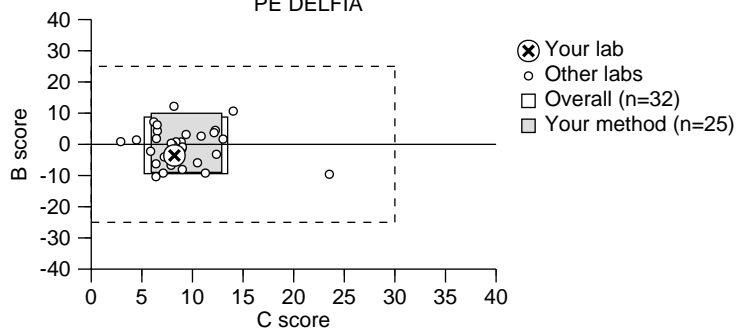


Your result 3.97
 Target value (ALTM) 4.1
 Standard Uncertainty 0.1

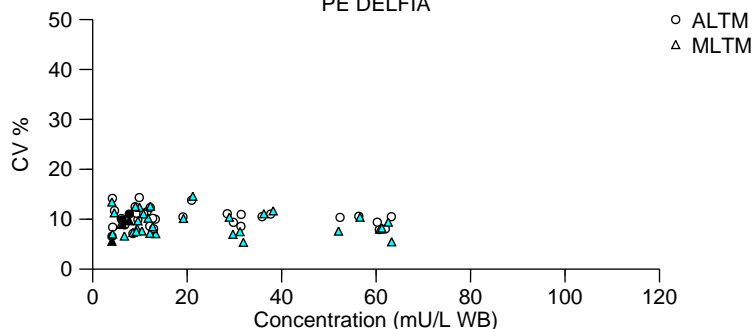
 Your specimen:
 %bias -2.7 ◆
 Accuracy Index

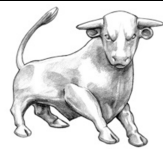
 Notional 'Spike' 4.0
 PE DELFIA 4.1

Initial TSH B score is -3.6 and C score is 8.2
PE DELFIA



Initial TSH Between-laboratory agreement
PE DELFIA





Birmingham Quality

UK NEQAS for Newborn Screening

Laboratory :

Distribution : **263**

Date : 21-Jun-2015

Page 8 of 8

Analyte : Initial TSH (mU/L WB)

Pool (exclusion) [Type]	Distribution 258 18-Jan-2015			Distribution 259 15-Feb-2015			Distribution 260 15-Mar-2015			Distribution 261 19-Apr-2015			Distribution 262 17-May-2015			Distribution 263 21-Jun-2015		
	result	target	%bias	result	target	%bias	result	target	%bias	result	target	%bias	result	target	%bias	result	target	%bias
592																3.97	4.1	-2.7
601							4.4	4.2	+5.5									
607				6.1	6.1	+0.7										6.03	6.2	-3.3
591																7.51	7.7	-2.9
602										8.77	9.0	-2.2						
589	8.93	9.3	-3.9															
603										9.45	10.8	-12.6						
606				12.1	12.1	+0.3												
561										9.99	12.2	-17.9						
600							11.0	12.9	-14.7									
605				19.0	19.1	-0.6												
549													18.77	20.9	-10.4			
588	28.9	28.5	+1.4															
609													34.24	35.9	-4.5			
608													31.86	37.7	-15.5			
599							58.7	52.4	+12.1									
587	74.5	60.2	+23.7															
Method mean	PH2		+7.1	PH2		+0.1	PH2		+1.0	PH2		-10.9	PH2		-10.1	PH2		-3.0
A score	59			50			58			63			71			66		
B score	-0.9			+0.2			+2.1			-0.4			-3.1			-3.6		
C score	8.3			7.2			8.1			9.0			9.8			8.2		

