Labs were coded as Argus = 1, Wil =2 and Huntingdon =3.

WIL ma	alaa		Dadwwaiaht	Body weight change	Liver	Kidaaya Dairad	Adrenals, Paired	Pituitary	Thyroid, Blotted	T4	TSH
VVIL III	aies		Body weight	change	Livei	Kidneys, Paired	Adrenais, Paired	Piluitary	Triyroid, Biotled	14	1511
Vinclozol	in										
Final	report from lab										
	no outliers	Low dose	<b>-</b> (-1%)	-	_	-	-	-	-	-	-
	identified	High dose	<b>-</b> (-0%)	-	<u> </u>	-	1	-	-	↓	-
Final	interlab compar										
	no outliers	Low dose	-	-	<u>-</u>	-	-	_	-	<u> </u>	-
	identified	High dose	-	_	<u> </u>	_	<b>↑</b>		_	↓	-
<b>Dibutylph</b> Final	thalate										
	no outliers	Low dose	<b>-</b> ( - 5%)	-	-	-	-	-	-	<b>↓</b>	-
	identified	High dose	↓ (-6%)	↓	<b>↑</b>	-	-	-	-	↓	↓ ↓
Final	interlab compar										
	no outliers	Low dose	<b>↓</b>	-	<del>-</del>	-	-	-	-	<b>+</b>	-
	identified	High dose	<b></b>	<b>1</b>	<u> </u>	-	-	-	-	<b>↓</b>	↓ ↓
<b>DE-71</b> Final	report from lab	Low dose	- (-2%)	- I		<b>-</b>	I - I		I -	<b></b>	
	identified	High dose	- (-4%)	-	<u> </u>	-	-	-	-	j.	<u>†</u>
Final	interlab compar	ison									
	no outliers	Low dose	-	-	1	-	-	-	-	<b>↓</b>	<b>↑</b>
	identified	High dose	•	-	<u> </u>	-	-	-	-	<b>→</b>	<b>†</b>
	itrobenzene		400								
	no outliers	Low dose	<b>-</b> (-1%)	-	<u>T</u>	-	-		-	•	-
	identified	High dose	<b>-</b> ( - 5%)	_		-	-	<u> </u>	-	-	-
Final	interlab compar						<del>,                                      </del>				
	no outliers	Low dose	-	-	<u>T</u>	-	-	<del>-</del>	-	-	-
	identified	High dose	↓	<b></b>	<u> </u>	-	-	<u> </u>	<b>↓</b>	-	-

									Seminal Vesicle	Seminal Vesicle		
			Body weight at			Epididymides,		Dorsolateral	Coag Gland	Coag Gland		
WIL males		Age at PPS	PPS	Testis, Left	Testis, Right	Paired	Ventral Prostate	Prostate	Fluid	Without Fluid	LABC Muscles	Testosterone
Min alamatin												
Vinclozolin												
Final report from lab												
no outliers	Low dose	↑ 1.9	<b>1</b>	-	-	<b>+</b>	-	=	-	nr	-	-
identified	High dose	↑ 5.2	<b>↑</b>	-	-	↓ ↓	-	-	↓	nr	<b>+</b>	-
Final interlab comparis	con											
no outliers	Low dose	↑ 1.8	1 1	_	_	<b>+</b>	_	_	Ţ	nr	-	_
identified	High dose	↑ 5.2	<u>†</u>	_	-	į į	<b>+</b>	=	į į	nr	<b>↓</b>	_
		,										-
Dibutylphthalate												
Dibutyipittialate												
Final report from lab												
no outliers	Low dose	-	-	<u> </u>	<b>+</b>	<b>+</b>	-	-	<b>+</b>	nr	<b>+</b>	<b>+</b>
identified	High dose		-	<del></del>	↓ ↓	<b>1</b>	-	<u> </u>	<b>↓</b>	nr	<b>—</b>	<b>↓</b>
Final interlab comparis	son											
no outliers	Low dose	=	_	<b></b>	<b>1</b>	<b></b>	<b> </b>	=	<b>1</b>	nr	<b>\</b>	<b>↓</b>
identified	High dose	-	-	<b>↓</b>	<b>↓</b>	<b>↓</b>	<b>↓</b>	<b>↓</b>	<b>+</b>	nr	<b>↓</b>	<b>↓</b>
DE-71												
Final report from lab												
no outliers	Low dose	-	-	-	-	-	-	-	-	nr	1	-
identified	High dose	_	-	-	-	-	-	_	_	nr	-	-
Final interlab comparis	son											
no outliers	Low dose	-	_	_	_	-	_	_	_	nr	-	_
identified	High dose	-	-	-	-	-	-	-	-	nr	<b>↓</b>	_
<u>-</u>												
2-Chloronitrobenzene												
2 Onioi Oniti Obenzene												
Final report from lab												
no outliers	Low dose		-	-	-	-	-	-	-	nr	-	-
identified	High dose	↑ 2.0	-	_	_	_	<b>\</b>		<u> </u>	nr	↓ ↓	_
Final interlab comparis	son											
no outliers	Low dose	=	_	-	-	=	_	-	-	nr	_	-
identified	High dose	↑2.0	_	-	-	-	<b>↓</b>	-	<b>+</b>	nr	<b>↓</b>	<b>↓</b>
<del></del>												

<b>A</b>			5	Body weight		161 5: 1		D	T	<b></b>	TOU
Argus	maies		Body weight	change	Liver	Kidneys, Paired	Adrenals, Paired	Pituitary	Thyroid, Blotted	T4	TSH
Vinclozol	in										
Final	report from lab										
	no outliers	Low dose	- (+1%) ↓ (-6%)	-	-	-	_ ↑	-	-	<u> </u>	-
	identified	High dose	<b>↓</b> (-6%)	_	-	-		-		<u> </u>	-
Final	interlab comparison	ı									
	no outliers	Low dose		-	-	-	- 1	-	-	+	-
	identified	High dose	<u> </u>	<b>+</b>	-	-	T	-	-	<u> </u>	-
Dibutylph	nthalate										
Einal	report from lab										
ı ıllal	no outliers	Low dose	<b>↓</b> ( - 4%)	_	_	T -	<u> </u>	_	<u> </u>	<b>+</b>	<b>↓</b>
	identified	High dose	<b>↓</b> ( - 8%)	-	1	-	-	-	-	į.	-
Einal	interlab comparison										
Fillal		Low dose	<b>+</b>	l l	_	T -		_	<u> </u>	Ţ	<b>+</b>
	outliers included	High dose	$\downarrow$	į.	<b>↑</b>	-	_	_	_	<del>- i</del>	-
	outliers excluded	Low dose				-			-		
		High dose									
DE-71											
Final	report from lab										
	no outliers	Low dose	- ( - 3%)	-	<b>↑</b>	-	-	-	-	+	-
	identified	High dose	- ( - 3%)	-		_	-		_	<u> </u>	-
Final	interlab comparison	l									
	outliers included	Low dose	-	-	<u> </u>	-	-	-	-	<b>+</b>	-
		High dose	_	_	<u> </u>	_	_	_	_	<u> </u>	-
	outliers excluded	Low dose High dose					Ī	-	1		
			!				ı		•		
2-Chloror	nitrobenzene										
Final	report from lab										
i iiiai	no outliers	Low dose	- (-2%)	-	1	1 1	- 1	_	-	<u> </u>	-
	identified	High dose	↓ (-6%)	-	<b>†</b>	<u> </u>	-	-	-	Ť	-
Final	interlab comparison	_ <del></del> _									
	autliana in alusii	Low dose	-	-	<b>↑</b>	<b>↑</b>	-	_	-	<b>↑</b>	-
	outliers included	High dose	<b>→</b>	<b>↓</b>	1	<b>↑</b>	-	_	_	<b>↑</b>	_
	outliers excluded	Low dose						·		·	-
	oddieis excluded	High dose							-		

										Seminal Vesicle	Seminal Vesicle		
_	_			Body weight at			Epididymides,		Dorsolateral	Coag Gland	Coag Gland		
Argus	males		Age at PPS	PPS	Testis, Left	Testis, Right	Paired	Ventral Prostate	Prostate	Fluid	Without Fluid	LABC Muscles	Testosterone
Vinclozol	lin												
Final	report from lab												
	no outliers identified	Low dose High dose	↑ 3.3 ↑ 7.1	↑ ↑	<u>↑</u>	-	_ _	-	<u>-</u>	-	<u>-</u>	-	-
	identified	i ligit dose	7.1		<u> </u>		<u> </u>			Ψ		•	
Final	interlab compariso												
	no outliers identified	Low dose High dose	↑ 4.0 ↑ 7.6	<u>↑</u>	<u>-</u>	-	 ↓	-	<u>-</u>	_ .I.	nr		<u>-</u>
	identined	riigri dose	7.0				<b>+</b>			₩	nr	+	
Dibutylph	nthalate												
Final	report from lab												
	no outliers	Low dose	↑ 2.7	1	¥	<b>+</b>	<b>+</b>	<b>+</b>	-	<b>+</b>	-	<b>+</b>	-
	identified	High dose	↑ 2.3	-	<u> </u>	<b>↓</b>	↓ ↓	-		<b>↓</b>	<u> </u>	<b>↓</b>	-
Final	l interlab compariso	n											
	outliers included	Low dose	↑3.6	1	<b>1</b>	<u> </u>	<b> </b>	<b>1</b>	_	<b>1</b>	nr	<b></b>	<b>+</b>
	outliers included	High dose	↑ 3.1	-	<b>+</b>	<b>↓</b>	<b>1</b>	-	-	<b>1</b>	nr	<b>1</b>	<b>↓</b>
	outliers excluded	Low dose High dose						ı	-	1			
	<u> </u>	i ligit dose						ŀ	<del>-</del>	l		<b>.</b>	
DE-71													
DL-71													
Final	report from lab												
	no outliers	Low dose	_ ↑2.2	-	<u>↑</u>	-	-	-	<u>-</u>	-	-	-	-
	identified	High dose	1 2.2			<u> </u>	-	-		_	-	-	-
Final	interlab compariso	n											
	outliers included	Low dose		-	-	-	-	-	-	-	nr	-	-
		High dose	↑ 3.0	1		-	_	_		_	nr	_	_
	outliers excluded	Low dose High dose											
	Į.		•										
2-Chloror	nitrobenzene												
Final	report from lab												
	no outliers identified	Low dose High dose	_ ↑ 2.0	-	<u>-</u>	Ī	<u>-</u>	-	<u>-</u>	-		-	-
	linetimien	mign dose	1 2.0		<del>-</del>	· *	<u> </u>	Ψ		<u> </u>		Ψ	
Final	l interlab compariso	n											
	outliers included	Low dose	-	-	-	-	-	-	-	-	nr	-	-
	Sumora moraded	High dose	↑ 3.0	<b>↑</b>	-	<b>↓</b>	-	<b>↓</b>	-	-	nr	<b>↓</b>	<b>↓</b>
	outliers excluded	Low dose											
		High dose											

tingdon males		Body weight	Body weight change	Liver	Kidneys, Paired	Adrenals, Paired	Pituitary	Thyroid, Blotted	T4	TSI
ozolin										
inal report from lab										
no outliers	Low dose	<del>-</del> (-9%)	<b>+</b>	_	-	_	_	_	<b>+</b>	_
identified	High dose	- (-7%)	<b>↓</b>	-	-	-	=	-	<b>↓</b>	-
inal interlab comparisor	า									
outliers included	Low dose	<b>+</b>	<b>+</b>	-	<b>+</b>	-	-	-	<b>+</b>	-
outliers included	High dose	<b>↓</b>	<b>↓</b>	-	<b>↓</b>	-	_	-	<b>↓</b>	-
outliers excluded	Low dose	· ·	<b>+</b>							
	High dose	↓	<b>\</b>							
ylphthalate										
inal report from lab										
no outliers	Low dose	<del>-</del> (+1%)	-	1	1	-	-	-	<b>↓</b>	↓ ↓
identified	High dose	<b>-</b> (-2%)	-	1	-	-	-	-	<b>+</b>	↓
inal interlab comparison										
Illai iliteriab compansoi	Low dose	_	_	<b>↑</b>	_	- 1		_	<b>\</b>	1 1
									•	
outliers included									1	1
outliers included outliers excluded	High dose Low dose High dose	-		<u>†</u>	-	-	-	-	<b>↓</b>	<u> </u>
outliers excluded	High dose Low dose			<b>↑</b>					<b>↓</b>	<u> </u>
outliers excluded	High dose Low dose High dose	-	_	<u>†</u>	_	-	-	-		
outliers excluded	High dose  Low dose High dose  Low dose	- - (-8%)	-	<u>†</u>		-	-	-	<b>.</b>	1
outliers excluded  Final report from lab  no outliers identified	High dose  Low dose High dose  Low dose High dose	-	_	<u>†</u>	_	-	-	-		1
outliers excluded  final report from lab  no outliers identified  final interlab comparison	High dose  Low dose High dose  Low dose High dose	- - (-8%) - (-5%)	- [	↑ ↑		- - -	- -	- - -	<b>+</b>	1 1
outliers excluded  Final report from lab  no outliers identified	Low dose High dose Low dose High dose Low dose High dose Low dose Low dose Low dose	- (-8%) - (-5%)	- - - -	↑ ↑		- - -	- - -	- - -	<b>+</b>	1 1
outliers excluded  final report from lab  no outliers identified  final interlab comparison outliers included	Low dose High dose	- (-8%) - (-5%)	- - - - - - -	↑ ↑		- - -	- -	- - -	<b>+</b>	1 1
outliers excluded  final report from lab  no outliers identified  final interlab comparison	Low dose High dose Low dose High dose Low dose High dose Low dose Low dose Low dose	- (-8%) - (-5%)	- - - -	↑ ↑		- - -	- - -	- - -	<b>+</b>	1 1
outliers excluded  final report from lab  no outliers identified  final interlab comparisor outliers included outliers excluded	Low dose High dose  Low dose High dose  Low dose High dose  Low dose Low dose Low dose Low dose	- (-8%) - (-5%)	- - - - - - - -	↑ ↑		- - -	- - -	- - -	<b>+</b>	1 1
outliers excluded  inal report from lab  no outliers identified  inal interlab comparisor outliers included outliers excluded  outliers excluded	Low dose High dose	- (-8%) - (-5%) - (-5%)	- - - - - - - - - - - - - - -	↑	- - - -	- - -	- - -	- - -	↓ ↓ ↓	1 1
outliers excluded  final report from lab  no outliers identified  final interlab comparisor outliers included outliers excluded	Low dose High dose  Low dose Low dose  Low dose High dose	- (-8%) - (-5%) - (-5%) 	- - - - - - - -	↑ ↑		- - -	- - -	- - -	<b>+</b>	1 1
outliers excluded  inal report from lab  no outliers identified  inal interlab comparisor outliers included outliers excluded  outliers excluded  pronitrobenzene  inal report from lab no outliers identified	Low dose High dose  High dose	- (-8%) - (-5%) - (-5%)	- - - - - - - - - - - - - - -	↑	- - - -	- - - -	- - -	- - -	↓ ↓ ↓	1 1
outliers excluded  inal report from lab  no outliers identified  inal interlab comparison outliers excluded  outliers excluded  oronitrobenzene inal report from lab  no outliers identified	Low dose High dose  Low dose High dose  Low dose High dose  Low dose High dose  Low dose Low dose High dose  Low dose High dose	- (-8%) - (-5%) - (-5%) (+4%) - (-1%)	- - - - - -	↑	- - - - -	- - - -	- - - -	- - - -	↓ ↓ ↓ ↓	1 1
outliers excluded  inal report from lab  no outliers identified  inal interlab comparisor outliers included outliers excluded  outliers excluded  pronitrobenzene  inal report from lab no outliers identified	Low dose High dose  High dose	- (-8%) - (-5%) - (-5%) 	- - - - - - - - - - - - - - -	↑	- - - -	- - - -	- - -	- - -	↓ ↓ ↓	

ngdon males		Age at PPS	Body weight at PPS	Testis, Left	Testis, Right	Epididymides, Paired	Ventral Prostate	Dorsolateral Prostate	Seminal Vesicle Coag Gland Fluid	Seminal Vesicle Coag Gland Without Fluid	LABC Muscles	Testostero
olin												
al report from lab												
no outliers	Low dose	↑ 3.3	<b>↑</b>	<b>↑</b>	<b>†</b>	<b>+</b>	-	-	-	nr	<b>↓</b>	-
identified	High dose	↑ 6.4	1	<b>↑</b>	1	<b>↓</b>	-	-	<b>↓</b>	nr	<b>↓</b>	1
al interlab comparison	1											
outliers included	Low dose	↑ 3.3	-	-	1	<b>+</b>	_	<b>+</b>	-	nr	<b>+</b>	Ī
outilers included	High dose	↑6.8	1	-	1	<b>+</b>	-	-	<b>↓</b>	nr	<b>↓</b>	1
outliers excluded	Low dose High dose											
<u>I</u> L	r ligit dooc											
ohthalate												
al report from lab	Low dose	-	_	<b>+</b>	<b>1</b>	<b>1</b>	- 1	_	<b>\</b>	nr	<b>+</b>	-
no outliers identified	High dose	<u> </u>	-	<u> </u>	<u> </u>	1	_	<del>-</del>	<b>↓</b>	nr	<b>↓</b>	
<u> </u>	i iigii dooo			<u> </u>	•	•			•		<u> </u>	•
al interlab comparison			1									
outliers included	Low dose	-	-	<u> </u>	<b>↓</b>	<b>↓</b>	-	<u>-</u>	-	nr	<b>↓</b>	
							_					
outliers excluded	High dose Low dose High dose	<b>↑</b> 2.7	<u>†</u>	↓	<u> </u>	<u>                                     </u>	-	<del>-</del>	↓	nr	<u> </u>	•
outliers excluded	Low dose	↑ 2.7	1	<u> </u>	<u>1                                    </u>	<u> </u>	-	<u>-</u>	<u> </u>	<u> </u> 111	•	<u> </u>
outliers excluded	Low dose High dose											
outliers excluded	Low dose	<u></u>	- -	<u>†</u>	<u>†</u>	- -		- -	- -	nr nr	<b>+</b>	<b>↓</b>
al report from lab	Low dose High dose	-	- 1	<u>†</u>	<u> </u>	-	-	-	-	nr	<b>+</b>	↓
al report from lab no outliers identified	Low dose High dose  Low dose High dose	- -	_ _	† †	<u>↑</u>	_ 	-   -	- -	_ 	nr nr	<b>+</b>	↓ -
al report from lab	Low dose High dose  Low dose High dose  Low dose Low dose	-	- 1	<u>†</u>	<u> </u>	-	-	-	-	nr	<b>+</b>	↓
al report from lab no outliers identified no outliers included	Low dose High dose  Low dose High dose	-	- -	† †	† †	- -		-	-	nr nr nr	<b>+</b>	↓ 
al report from lab no outliers identified	Low dose High dose  Low dose High dose  Low dose High dose  Low dose High dose	-	- -	↑ ↑	↑ ↑ ↑ · · · · · · · · · · · · · · · · ·	- -		-	-	nr nr nr	<b>+</b>	↓ 
al report from lab no outliers identified no outliers included	Low dose High dose  Low dose High dose  Low dose High dose Low dose Low dose Low dose Low dose	-	- -	↑ ↑	↑ ↑ ↑ · · · · · · · · · · · · · · · · ·	- -		-	-	nr nr nr	<b>+</b>	↓ 
al report from lab no outliers identified no outliers included	Low dose High dose  Low dose High dose  Low dose High dose Low dose Low dose Low dose Low dose	-	- -	↑ ↑	↑ ↑ ↑ · · · · · · · · · · · · · · · · ·	- -		-	-	nr nr nr	<b>+</b>	↓ 
al report from lab no outliers identified no outliers included	Low dose High dose  Low dose High dose  Low dose High dose Low dose Low dose Low dose Low dose	-	- -	↑ ↑	↑ ↑ ↑ · · · · · · · · · · · · · · · · ·	- -		-	-	nr nr nr	<b>+</b>	↓ 
al report from lab no outliers identified al interlab comparison outliers included outliers excluded	Low dose High dose  Low dose High dose  Low dose High dose Low dose Low dose Low dose Low dose	-	- -	↑ ↑	↑ ↑ ↑ · · · · · · · · · · · · · · · · ·	- -		-	-	nr nr nr	<b>+</b>	↓ 
al report from lab no outliers identified al interlab comparison outliers included outliers excluded	Low dose High dose  Low dose High dose  Low dose High dose Low dose Low dose Low dose Low dose	-	- -	↑ ↑	↑ ↑ ↑ · · · · · · · · · · · · · · · · ·	- -		-	-	nr nr nr	<b>+</b>	↓ 
al report from lab no outliers identified al interlab comparison outliers included outliers excluded outliers excluded	Low dose High dose Low dose High dose Low dose High dose Low dose High dose	- - -	- - -	- - -	↑		- - -	- - -		nr nr nr	↓ ↓ ↓	↓ 
al report from lab no outliers identified  al interlab comparison outliers included outliers excluded  outliers excluded  onitrobenzene al report from lab no outliers identified	Low dose High dose  Low dose High dose  Low dose High dose Low dose High dose Low dose High dose High dose		- - -	- - -		- - -	- - -	- - -	- - -	nr nr nr nr	↓ ↓ ↓ ↓	↓ 
al report from lab no outliers identified al interlab comparison outliers excluded outliers excluded outliers excluded al report from lab no outliers identified al interlab comparison	Low dose High dose  Low dose High dose  Low dose High dose Low dose High dose Low dose High dose	- - - - †2.8	- - - -	- - - -		- - -	- - -	- - -	- - -	nr nr nr	↓ ↓ ↓ ↓	↓ - -
al report from lab no outliers identified  al interlab comparison outliers included outliers excluded  outliers excluded  onitrobenzene al report from lab no outliers identified	Low dose High dose  Low dose High dose	- - - 1 2.8	- - - -	- - - -		- - -	- - -	- - - -	- - - -	nr nr nr nr	↓ ↓ ↓ ↓	↓ - - -
al report from lab no outliers identified al interlab comparison outliers excluded outliers excluded outliers excluded al report from lab no outliers identified al interlab comparison	Low dose High dose  Low dose High dose  Low dose High dose Low dose High dose Low dose High dose	- - - - †2.8	- - - -	- - - -		- - - -	- - -	- - -	- - -	nr nr nr	↓ ↓ ↓ ↓	↓ - -

# SUMMARY OF RESULTS OF THE PUBERTAL MALE INTERLABORATORY VALIDATION STUDIES BY CHEMICAL

# Body weight Vinclozolin Body weight change Liver Kidneys, Paired Adrenals, Paired Pituitary Thyroid, Blotted T4 TSH Lab 1 Final report from lab no outliers Low dose - (+1%) identified High dose **↓** (-6%) Final interlab comparison no outliers Low dose identified High dose Lab 2 Final report from lab no outliers - (-1%) Low dose \_ identified High dose - (-0%) Final interlab comparison no outliers Low dose identified High dose Lab 3 Final report from lab no outliers Low dose <del>- (-9%)</del> High dose - (-7%) identified Final interlab comparison Low dose outliers included High dose $\downarrow$ Low dose outliers excluded High dose Agreement across labs Based on individual labs' analyses Low dose 3 -2 - 1 ↓ 3 -3 -3 -3 -3 -2 ↓ 1 -3 -2 - 1 ↓ 2 - 1 ↑ High dose 2 - 1 ⊥ 3 -2 ↑ 1 -3 -3 -3 -Uniform analysis, incl interlab variation Low dose 2 - 1↓ 2 - 1 ↓ 3 -2 - 1 ] 3 -3 -3 -3 ↓ 3 -High dose 2 | 1 -2 \ 1 -2 - 1 ↑ 2 - 1 ↓ 2 ↑ 1 -3 -3 -3 ↓ 3 -

						1	1			Seminal Vesicle	Seminal Vesicle	ı	ī
				Body weight at			Epididymides,		Dorsolateral	Coag Gland	Coag Gland		
Vinclozol	lin		Age at PPS	PPS	Testis, Left	Testis, Right	Paired	Ventral Prostate	Prostate	Fluid	Without Fluid	LABC Muscles	Testosterone
Lab 1													
	ort from lab	11	<b>*</b> • • •	1 1		1		T T					
	o outliers entified	Low dose High dose	↑3.3 ↑7.1	<u> </u>	<u> </u>	-	_ ↓	-	-	_ ↓	_ ↓	_ ↓	_
			1 7.2		•		· · ·	<u> </u>		<u> </u>	•	<u> </u>	
_	erlab comparisor						1	1		1			
	o outliers entified	Low dose High dose	↑ 4.0 ↑ 7.6	↑ ↑	<u>-</u>		_ ↓	-	<u> </u>	_ ↓	nr nr	_ ↓	<u>_</u>
ide	critinea	riigii dose	1 7.0				₩	_		₩	III	₩	
Lab 2													
	ort from lab	I I	<b>*</b> • • •			T .	1				- I		
	o outliers entified	Low dose High dose	↑ 1.9 ↑ 5.2	<b>↑</b>	<u>-</u>	_	↓	-		_ _	nr nr	_ _	_
		r ligit dooc	1 3.2				•	_		•		<b>*</b>	
	erlab comparisor												
		Low dose	↑ 1.8	<u>†</u>	_	_		-		<b>↓</b>	nr	_ ↓	
lide	entified	High dose	↑ 5.2			_	. ↓	<b>↓</b>	_	. ↓	nr	<u> </u>	
Lab 3													
	ort from lab												
	outliers	Low dose High dose	↑3.3 ↑6.4	Ť	<u>T</u>	T T	<b>↓</b>	-		_ ↓	nr nr	<b>+</b>	<u>-</u>
lide	entified	i ligii dose	1 0.4		<u>'</u>	<u> </u>	•	_		•	111	₩	
Final inte	erlab comparisor	n											
		Low dose	↑3.3	-	-	1	<b>1</b>	-	<b>+</b>	_	nr	<b>↓</b>	_
ou	utliers included	High dose	↑ 6.8	1	-	1	<b>+</b>	-	-	<b>\</b>	nr	<b>+</b>	<b>↑</b>
	utliers excluded	Low dose					•						
Ou	illers excluded	High dose											
Agreement a	i <mark>cross labs</mark> n individual labs	' analyses											
Based or	n individual labs	Low dose	3 ↑	3 ↑	2 ↑ 1 -	2 - 1 ↑	2 ↓ 1 -	3 -	3 -	3 -		2 - 1 ↓	3 -
		High dose	3↑	3 ↑	2 ↑ 1 -	2 - 1 ↑	3 ↓	3 -	3 -	3 ↓		3↓	2 - 1 ↑
						•							· · · · · ·
Unitorm a	analysis, incl inter		2 *	1 2 4 1	3	2.44	0 + 4	3	2 4 1	2.4.		0 4 1 1	2
		Low dose High dose	3↑	2 ↑ 1 - 3 ↑	3 - 2 - 1 ↑	2 - 1 ↑	2 ↓ 1 - 3 ↓	3 - 2 - 1 ↓	2 - 1 ↓	2 - 1 ↓ 3 ↓		2 - 1 ↓	3 - 2 ↑ 1 -
			-			- 1	- v	. *					

# Body weight Dibutyl phthalate Body weight change Liver Kidneys, Paired Adrenals, Paired Pituitary Thyroid, Blotted T4 TSH Lab 1 Final report from lab no outliers Low dose ↓(-4%) identified High dose **↓**(-8%) Final interlab comparison Low dose outliers included High dose Low dose outliers excluded High dose Lab 2 Final report from lab no outliers - (-5%) Low dose identified High dose ↓ (-6%) Final interlab comparison Low dose High dose no outliers identified Lab 3 Final report from lab no outliers Low dose - (+1%) identified High dose - (-2%) Final interlab comparison Low dose outliers included High dose Low dose outliers excluded High dose Agreement across labs Based on individual labs' analyses Low dose 2 - 1 ] 2 - 1 ↑ 2 - 1 ↑ 3 -3 -2 ↓ 1 -High dose 2 | 1 -3 ↑ 3 -3 -Uniform analysis, incl interlab variation Low dose 2 ↓ 1 -2 - 1 ↓ 2 - 1 ↑ 3 -3 -3 -2 ↓ 1 -High dose 2 ↓ 1 -2 \ 1 -3 ↑ 2 ↓ 1 -

Dibutyl phthalate	Age at PPS	Body weight at PPS	Testis, Left	Testis, Right	Epididymides, Paired	Ventral Prostate	Dorsolateral Prostate	Seminal Vesicle Coag Gland Fluid	Seminal Vesicle Coag Gland Without Fluid	LABC Muscles	Testosterone
Lab 1											
Final report from lab											
no outliers Low dose	↑2.7	1	<u> </u>	<b>+</b>	<b>+</b>	<b>+</b>	-	<b>+</b>	_	<u> </u>	-
identified High dose	↑2.3	_	<u> </u>	<b></b>	<b>↓</b>	_	_	<b>\</b>	<b>+</b>	<b>↓</b>	_
Final interlab comparison											
outliers included Ligh dose	↑3.6	1	<u> </u>	<b>+</b>	<u> </u>	<b>↓</b>	_	<b>+</b>	nr	<b>+</b>	<b>—</b>
High dose	↑3.1	_	₩	+	+	_		<b>+</b>	nr	+	<b>+</b>
outliers excluded High dose							-	]		<b>↓</b>	
Lab 2											
Final report from lab											_
no outliers Low dose	-	-	<u> </u>	<b>+</b>	<b>+</b>	-	<u> </u>	<b>+</b>	nr	<b>+</b>	<b>+</b>
identified High dose		_	<u> </u>	<u> </u>	<b>\</b>	_	<b>↓</b>	<b>\</b>	nr	<b>↓</b>	
Final interlab comparison											
no outliers Low dose	-	-	÷	<b>+</b>	<b>+</b>	<b>1</b>	<del>-</del>	<b>+</b>	nr	↓ ·	<b>+</b>
identified High dose		-	<u> </u>	<b>.</b>	↓ ↓	<b> </b>	<b>↓</b>	<u> </u>	nr	↓	<b>↓</b>
Lab 3											
Final report from lab						1					
no outliers Low dose identified High dose	_ ↑2.7	-	$\downarrow$	<b>↓</b>	<b>+</b>	-	<u> </u>	<b>+</b>	nr nr	<u>↓</u>	<del>-</del>
			<u> </u>	<u> </u>	<u> </u>					·	·
Final interlab comparison											
outliers included Low dose High dose	 ↑ 2.7	<u> </u>		Ť	<b>†</b>	-	<u> </u>	_ ↓	nr nr	<u>↓</u>	<del>-</del>
outliers excluded Low dose	,		<u> </u>	•	· ·			•		·	•
High dose											
A greenwant careae labo											
Agreement across labs  Based on individual labs' analyses											
Low dose	2 - 1 ↑	2 - 1 ↑	3 ↓	3 ↓	3↓	2 - 1 ↓	3 -	3 ↓		3↓	2 - 1 ↓
High dose	2 ↑ 1 -	3 -	3↓	3↓	3↓	3 -	2 - 1 ↓	3↓		3↓	2 ↓ 1 -
Uniform analysis, incl interlab variation											
Low dose	2 - 1 ↑	2 - 1 ↑	3 ↓	3 ↓	3↓	2 ↓ 1 -	3 -	2 \ 1 -		3↓	2 ↓ 1 -
High dose	2 ↑ 1 -	2 - 1 ↑	3 ↓	3 ↓	3 ↓	2 - 1 ⊥	2 - 1 ↓	3 ↓		3 ↓	3 ↓

		ì							
		Body weight							
DE-71 (males)	Body weight	change	Liver	Kidneys, Paired	Adrenals, Paired	Pituitary	Thyroid, Blotted	T4	TSH
	<u>-</u>								
Lab 1									
Final report from lab									
	/ dose — ( - 3%)	-	<u>†</u>	-	_	_	_	<b>+</b>	_
identified High	h dose – ( - 3%)	_	<b>↑</b>	_	_		_	<b>↓</b>	_
Final interlab comparison									
	/ dose –	_	<b>↑</b>	-	-	-	-	<b>+</b>	-
Higi	h dose _	_	<b>↑</b>	_	_	_	_	<b>↓</b>	
	/ dose h dose					_			
[ ]									
Lab 2									
Lab 2									
Final report from lab									
H	/ dose – ( - 2%)	-	1	-	-	-	-	<b>↓</b>	1
identified High	h dose – ( - 4%)	-	<b>†</b>	-	-	-	-	<b>↓</b>	<b>↑</b>
Final interlab comparison	. 1	1			ī			1	•
	/ dose – h dose –	-	<u>↑</u>	-	-	-	-	<b>↓</b>	<u>↑</u>
raentinea   Fligh	ii dose –	_		_	_		_	<b>*</b>	<u> </u>
1.1.0									
Lab 3									
Final report from lab									_
	/ dose — (-8%)	<b>+</b>	1	<b>+</b>	-	_	-	<b>\</b>	1
identified High	h dose – (-5%)	<u> </u>	Î	-	_	_	-	<u> </u>	Î
Final interlab comparison									
outliers included Low	/ dose ↓	<b>T</b>	1	<b>+</b>	_	_	_	<b>↓</b>	-
High	h dose –	<b>↓</b>	1	-	-	_	-	<b>↓</b>	1
	/ dose	<b>+</b>							
Higi	h dose –	<u> </u>	1						
Agreement across labs  Based on individual labs' ana	dvees								
	/ dose 3 -	2 - 1 ↓	3 ↑	2 - 1 ↓	3 -	3 -	3 -	3↓	2 ↑ 1 -
	h dose 3 -	2 - 1 ↓	3 ↑	3 -	3 -	3 -	3 -	3↓	2 ↑ 1 -
Halfa on an abada a		·		_	·			·	·
Uniform analysis, incl interlab va	riation  / dose 2 - 1 ↓	2 - 1 ↓	3↑	2 1 1	2	2	2	2	2 1 *
	h dose 3 -	2-11	3↑	2 - 1 ↓	3 - 3 -	3 - 3 -	3 - 3 -	3↓ 3↓	2 - 1 ↑ 2 ↑ 1 -
<u>[3</u>		• •						*	· · · · · · · · · · · · · · · · · · ·

				Body weight at			Epididymides,		Dorsolateral	Seminal Vesicle Coag Gland	Seminal Vesicle Coag Gland		
DE-71 (ma	ales)		Age at PPS	PPS	Testis, Left	Testis, Right	Paired	Ventral Prostate	Prostate	Fluid	Without Fluid	LABC Muscles	Testosterone
Lab 1													
	ort from lab												
	outliers	Low dose	-	-	<u> </u>	-	_	_		-	_	-	-
lider	ntified	High dose	↑2.2	-	_	_	_	-		-	_	-	
Final inter	rlab comparisor	1											
outi	liers included	Low dose High dose	- ↑3.0	_ _	-	1	1	-	-	-	nr	1	-
<u> </u>		Low dose	1 3.0		_	_	_	-	_	_	nr	-	-
out	liers excluded	High dose											
Lab 2													
Final reno	ort from lab												
	outliers	Low dose	_	_	_	_	_	_	_	_	nr	_	_
	ntified	High dose	-	-	-	-	-	-	-	-	nr	-	-
													-
	rlab comparisor									T			
	outliers ntified	Low dose	_	-	_	-	_	-	_	-	nr	-	-
idei	nunea	High dose	-	-	-	-	_	-	-	-	nr	<b>↓</b>	-
Lab 3													
Lab 3													
	ort from lab												
	outliers ntified	Low dose High dose	<u> </u>	-	<u>↑</u>	<u>↑</u>	<u> </u>	-	<u> </u>	_ _	nr nr	- Jr	<u>↓</u>
luci	iitiiieu	i ligii dose			<u> </u>	<u>'</u>					111	<b>V</b>	
Final inter	rlab comparisor												
outl	tliers included	Low dose High dose	<u>-</u>	-	<u>-</u>		<u>-</u>	-	<u>-</u>	_ _	nr nr	<b>↓</b>	<del></del>
		Low dose			-	1					111	<b>V</b>	
outi	lliers excluded	High dose		•			-						
Agreement ac		' analysasa											
Based on	individual labs'	Low dose	3 -	3 -	2 ↑ 1 -	2 - 1 ↑	3 -	3 -	3 -	3 -		2 - 1 ↓	2 - 1 ↓
		High dose	2 - 1 ↑	3 -	2 - 1 ↑	2 - 1 ↑	3 -	3 -	3 -	3 -		2 - 1 ↓	3 -
Uniform	analysis, incl interl	ab variation											
Official a	a iaiyəiə, inci interi	Low dose	3 -	3 -	3 -	2 - 1 ↑	3 -	3 -	3 -	3 -		2 - 1 ⊥	2 - 1 ⊥
		High dose	2 - 1 ↑	2 - 1 ↑	3 -	3-(2-1↑)	3 -	3 -	3 -	3 -		2   1 -	2 - 1 ↓
	•												<u>.</u>

# 2-Chloronitrobenzene (males)

	Dadomaiaht							
Body weight	Body weight change	Liver	Kidneys, Paired	Adrenals, Paired	Pituitary	Thyroid, Blotted	T4	TSH

# Lab 1

# Final report from lab

срете пета													
no outliers	Low dose	- (-2%)	-	1	1	-	-	-	<b>↑</b>	-			
identified	High dose	<b>↓</b> (−6%)	-	<b>↑</b>	<b>↑</b>	_	_	_	<b>↑</b>	_			

ii interiab comparisoi	1									
autliara included	Low dose	_	_	<b>1</b>	<b>1</b>	_	-	_	<b>↑</b>	-
outliers included	High dose	<b>→</b>	<b>↓</b>	<b>↑</b>	<b>↑</b>	_	_	_	<b>↑</b>	-
lioutilers excluded	Low dose High dose							_		

# Lab 2

# Final report from lab

no outliers	Low dose	- (-1%)	_	1	-	_	-	_	-	_
identified	High dose	- ( - 5%)	-	<b>↑</b>	-	-	<b>+</b>	-	-	_

# Final interlab comparison

ıaı <u>ın</u>	al Interiab comparison												
r	no outliers	Low dose	_	_	<b>1</b>	-	_	_	_	-	_		
i	dentified	High dose	<b>+</b>	<b>↓</b>	<b>↑</b>	_	-	<b>+</b>	<b>→</b>	-	_		

# Lab 3

# Final report from lab

no outliers	Low dose	- (+4%)	1	1	1	-	-	-	<b>↑</b>	-
identified	High dose	- (-1%)	ı	1	<b>↑</b>	1	_	-	ı	<b>↓</b>

# Final

Il interlab comparison												
outliers included	Low dose	_	-	<b>1</b>	<b>↑</b>	_	_	-	<b>1</b>	_		
outliers included	High dose	1	_	1	1	_	_	-	-	<b>→</b>		
louthers excluded	Low dose High dose											

# Agreement across labs Based on individual labs analyses

dialyoco									
Low dose	3 -	2 - 1 ↑	3 ↑	2 ↑ 1 -	3 -	3 -	3 -	2 ↑ 1 -	3 -
High dose	2 - 1 ↓	3 -	3 ↑	2 ↑ 1 -	3 -	2 - 1 ↓	3 -	2 - 1 ↑	2 - 1 ↓

# Uniform analysis, incl interlab variation

iteriab variatio	JII								
Low do	se 3 -	3 -	3↑	2 ↑ 1 -	3 -	3 -	3 -	2 ↑ 1 -	3 -
High do	ose 2 ↓ 1 -	2 ↓ 1 -	3↑	2 ↑ 1 -	3 -	2 - 1 ↓	2 - 1 ↓	2 - 1 ↑	2 - 1 ↓

# 2-Chloronitrobenzene (males)

Г								Seminal Vesicle	Seminal Vesicle		
		Body weight at			Epididymides,		Dorsolateral	Coag Gland	Coag Gland		
	Age at PPS	PPS	Testis, Left	Testis, Right	Paired	Ventral Prostate	Prostate	Fluid	Without Fluid	LABC Muscles	Testosterone

# Lab 1

Final	report fro	m lab
-------	------------	-------

····	oport iroin iab												
	no outliers	Low dose	_	-	-	-	-	_	_	-	-	_	_
	identified	High dose	↑ 2.0	-	ı	<b>→</b>	-	<b>+</b>	-	1	_	<b>↓</b>	_

# Final interlab comparison

 ntonab companec												
outliers included	Low dose	_	_	_	_	_	_	-	-	nr	_	-
outliers iricidded	High dose	↑3.0	<b>1</b>	-	<b>→</b>	_	<b>↓</b>	-	-	nr	<b>↓</b>	<b>+</b>
outliers excluded	Low dose High dose											

# Lab 2

# Final report from lab

	no outliers	Low dose	_	-	-	-	-	_	-	-	nr	-	_
	identified	High dose	↑ 2.0	-	_	-	_	<b>→</b>	-	<b>↓</b>	nr	<b>→</b>	_
•													
inal i	al interlab comparison												

# Fina

no outliers	Low dose	_	-	-	-	-	_	-	-	nr	-	-
identified	High dose	↑ 2.0	-	ı	İ	-	<b>+</b>	ı	<b>+</b>	nr	<b>→</b>	<b>↓</b>

# Lab 3

# Final report from lab

no outliers Low dose	-	-	_	-	-	-	-	ı	nr	_	_
identified High dose	↑ 2.8	-	_	_	-	<b>→</b>	_	<b>→</b>	nr	<b>↓</b>	_

# Final interlab comparison

al interlab compariso	nteriab comparison											
outliers included	Low dose	_	<b>↑</b>	-	-	-	_	<b>1</b>	_	nr	_	-
outliers included	High dose	↑ 2.7	<b>↑</b>	-	-	ı	<b>↓</b>	-	$\downarrow$	nr	<b>→</b>	_
outliers evaluded	Low dose			_				<b>1</b>				
outliers excluded	High dose				_			•	•			

Agreement across labs

Based on individual labs analyses

	manyooo										
L	ow dose	3 -	3 -	3 -	3 -	3 -	3 -	3 -	3 -	 3 -	3 -
F	ligh dose	3 ↑	3 -	3 -	2 - 1 ↓	3 -	3↓	3 -	2 ↓ 1 -	 3↓	3 -

# Uniform analysis, incl interlab variation

men	eriab variation												
	Low dose	3 -	2 - 1 ↑	3 -	3 -	3 -	3 -	2 - 1 ↑	3 -		3 -	3 -	
	High dose	3 ↑	2 ↑ 1 -	3 -	2 - 1 ↓	3 -	3 ↓	3 - (2 - 1 ↑)	2 ↓ 1 -		3 ↓	2 ↓ 1 -	

- 1. Blue cells highlight "apparent", not statistical, dose-response relationships (viz., low-dose value between control value and high-dose value). Thus in some cases a cell is shaded even if the low dose response was not significantly different from control.
- Pink cells highlight results obtained when outliers were excluded. Note that the only differences in results when outliers were excluded were in pituitary weights (methoxychlor/Lab 3/high dose and 2-chloronitrobenzene/Lab 3/low dose).
- 3. Green cells highlight endpoint/dose level combinations where all three laboratories had the same result. Dark green indicates that all labs saw a change from controls; light green indicates that all labs detected no difference from controls.
- 4. Some labs excluded data points from analysis but all such exclusions (with the possible exception of Lab 1/methoxychlor/ovary) were for errors in extraction or weighing, not for extremity of value. These were not treated as "outliers" in this table. Other labs claimed no "outliers" because transformation of the data allowed such data to be used. For purpose of this table, all results from the individual labs (but not the interlaboratory statistical comparison of all three labs) were considered to have no outliers.
- 5. Percent changes in terminal body weight for Lab 1 were calculated at EPA.