

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

**WIL females**

Body weight	Body weight change	Liver	Kidneys	Adrenals	Pituitary	Thyroid Blotted	T4	TSH	Age at VO	Body weight at VO	Ovaries	Uterus Wet	Uterus Blotted
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**Methoxychlor**

## Final report from lab

no outliers identified	Low dose	- ( 0%)	-	-	-	-	-	-	-	-	-	-	-	-
	High dose	- (-6%)	-	-	-	-	-	-	-	-	↓ 7	↓	-	-

## Final interlab comparison

no outliers identified	Low dose	-	-	-	-	-	-	-	-	-	-	-	-	-
	High dose	↓	↓	↓	-	-	-	-	-	-	↓ 7.1	↓	-	-

**DE-71**

## Final report from lab

no outliers identified	Low dose	- (+2%)	-	↑	-	-	-	-	↓	↑	-	-	-	-
	High dose	- (+1%)	-	↑	-	-	-	-	↓	↑	-	↑	-	-

## Final interlab comparison

no outliers identified	Low dose	-	-	↑	-	-	-	-	↓	↑	-	-	-	-
	High dose	-	-	↑	-	-	↓	-	↓	↑	↑ 1.8	↑	-	-

**2-Chloronitrobenzene**

## Final report from lab

no outliers identified	Low dose	- (+6%)	-	↑	-	-	-	-	-	-	-	-	-	-
	High dose	- (+2%)	-	↑	-	↓	-	-	-	↑	↑ 2.7	↑	-	-

## Final interlab comparison

no outliers identified	Low dose	↑	↑	↑	-	-	-	-	-	-	-	↑	-	-
	High dose	-	-	↑	-	↓	↓	-	-	↑	↑ 2.7	↑	↓	-

## Argus females

Body weight	Body weight change	Liver	Kidneys	Adrenals	Pituitary	Thyroid Blotted	T4	TSH	Age at VO	Body weight at VO	Ovaries	Uterus Wet	Uterus Blotted
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### Methoxychlor

#### Final report from lab

no outliers	Low dose	- (-4%)	-	-	-	-	-	-	-	-	-	-	-	-
identified	High dose	- (-5%)	-	-	-	-	-	-	-	↓ 3.9	↓	-	-	-

#### Final interlab comparison

no outliers	Low dose	-	-	-	-	-	-	-	-	-	-	-	-	-
identified	High dose	-	↓	-	-	↑	-	-	-	↓ 3.9	↓	-	-	-

### DE-71

#### Final report from lab

no outliers	Low dose	- (-2%)	-	↑	-	-	-	-	↓	-	-	-	-	-
identified	High dose	- ( 0%)	-	↑	-	-	-	-	↓	-	-	-	-	-

#### Final interlab comparison

outliers included	Low dose	-	-	↑	-	-	-	-	↓	↑	-	-	-	-
	High dose	-	-	↑	-	-	-	-	↓	↑	-	-	-	-
outliers excluded	Low dose												-	
	High dose												-	

### 2-Chloronitrobenzene

#### Final report from lab

no outliers	Low dose	- (+1%)	-	↑	-	-	-	-	-	-	-	-	-	-
identified	High dose	- ( 0%)	-	↑	-	-	-	-	-	↑ 2.5	↑	-	-	↓

#### Final interlab comparison

outliers included	Low dose	-	-	↑	-	-	-	-	-	-	-	-	-	-
	High dose	-	-	↑	-	-	-	-	↓	↑ 3.3	↑	-	-	↓
outliers excluded	Low dose		-			-						-		
	High dose					-						-		

## Huntingdon females

Body weight	Body weight change	Liver	Kidneys	Adrenals	Pituitary	Thyroid Blotted	T4	TSH	Age at VO	Body weight at VO	Ovaries	Uterus Wet	Uterus Blotted
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### Methoxychlor

#### Final report from lab

no outliers identified	Low dose	- (-4%)	-	↓	↓	-	-	-	-	-	↓ 1.3	↓	-	-	-
	High dose	- (-6%)	↓	↓	↓	-	-	-	-	-	↓ 6.2	↓	↓	-	-

#### Final interlab comparison

outliers included	Low dose	-	-	↓	↓	-	-	-	-	-	-	↓	-	-	-
	High dose	↓	↓	↓	↓	-	-	-	-	-	↓ 6.2	↓	↓	-	-
outliers excluded	Low dose					-	-								
	High dose					-	↓								

### DE-71

#### Final report from lab

no outliers identified	Low dose	- (+2%)	-	↑	-	-	-	-	↓	↑	↑ 1.2	-	-	-	-
	High dose	- (+2%)	-	↑	-	-	-	↑	↓	↑	-	-	↓	-	-

#### Final interlab comparison

no outliers identified	Low dose	-	-	↑	-	-	-	-	↓	↑	-	-	-	-	-
	High dose	-	-	↑	-	-	-	-	↓	↑	-	-	-	-	-

### 2-Chloronitrobenzene

#### Final report from lab

no outliers identified	Low dose	- ( 0%)	-	↑	-	-	↓	-	↓	-	-	-	↓	-	-
	High dose	- (-3%)	-	↑	-	-	↓	-	↓	↑	↑ 5.8	↑	↓	-	-

#### Final interlab comparison

outliers included	Low dose	-	-	↑	-	-	-	-	↓	-	-	-	↓	-	-
	High dose	-	-	↑	-	↓	↓	-	↓	↑	↑ 5.8	↑	↓	-	↓
outliers excluded	Low dose														
	High dose														

SUMMARY OF RESULTS  
OF THE PUBERTAL MALE AND FEMALE  
INTERLABORATORY VALIDATION STUDIES  
BY CHEMICAL



## Methoxychlor

Body weight	Body weight change	Liver	Kidneys	Adrenals	Pituitary	Thyroid Blotted	T4	TSH	Age at VO	Body weight at VO	Ovaries	Uterus Wet	Uterus Blotted
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### Lab 1

#### Final report from lab

no outliers identified	Low dose	- (-4%)	-	-	-	-	-	-	-	-	-	-	-	-
	High dose	- (-5%)	-	-	-	-	-	-	-	↓ 3.9	↓	-	-	-

#### Final interlab comparison

no outliers identified	Low dose	-	-	-	-	-	-	-	-	-	-	-	-	-
	High dose	-	↓	-	-	↑	-	-	-	↓ 3.9	↓	-	-	-

### Lab 2

#### Final report from lab

no outliers identified	Low dose	- ( 0%)	-	-	-	-	-	-	-	-	-	-	-	-
	High dose	- (-6%)	-	-	-	-	-	-	-	↓ 7	↓	-	-	-

#### Final interlab comparison

no outliers identified	Low dose	-	-	-	-	-	-	-	-	-	-	-	-	-
	High dose	↓	↓	↓	-	-	-	-	-	↓ 7.1	↓	-	-	-

### Lab 3

#### Final report from lab

no outliers identified	Low dose	- (-4%)	-	↓	↓	-	-	-	-	-	↓ 1.3	↓	-	-
	High dose	- (-6%)	↓	↓	↓	-	-	-	-	-	↓ 6.2	↓	↓	-

#### Final interlab comparison

outliers included	Low dose	-	-	↓	↓	-	-	-	-	-	-	↓	-	-
	High dose	↓	↓	↓	↓	-	-	-	-	-	↓ 6.2	↓	↓	-
outliers excluded	Low dose	-	-	-	-	-	-	-	-	-	-	-	-	-
	High dose	-	-	-	-	-	↓	-	-	-	-	-	-	-

### Agreement across labs

#### Based on individual labs' analyses

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

#### Uniform analysis, incl interlab variation

Low dose	3 -	3 -	2 - 1 ↓	2 - 1 ↓	3 -	3 -	3 -	3 -	3 -	3 -	2 - 1 ↓	3 -	3 -	3 -
High dose	2 ↓ 1 -	3 ↓	2 ↓ 1 -	2 - 1 ↓	2 - 1 ↑	3 - (2 - 1 ↓)	3 -	3 -	3 -	3 ↓	3 ↓	2 - 1 ↓	3 -	3 -

# DE-71 (females)

Body weight	Body weight change	Liver	Kidneys	Adrenals	Pituitary	Thyroid Blotted	T4	TSH	Age at VO	Body weight at VO	Ovaries	Uterus Wet	Uterus Blotted
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## Lab 1

### Final report from lab

no outliers identified	Low dose	- (-2%)	-	↑	-	-	-	-	↓	-	-	-	-	-	-
	High dose	- ( 0%)	-	↑	-	-	-	-	↓	-	-	-	-	-	-

### Final interlab comparison

outliers included	Low dose	-	-	↑	-	-	-	-	↓	↑	-	-	-	-	-
	High dose	-	-	↑	-	-	-	-	↓	↑	-	-	-	-	-
outliers excluded	Low dose													-	
	High dose													-	

## Lab 2

### Final report from lab

no outliers identified	Low dose	- (+2%)	-	↑	-	-	-	-	↓	↑	-	-	-	-	-
	High dose	- (+1%)	-	↑	-	-	-	-	↓	↑	-	↑	-	-	-

### Final interlab comparison

no outliers identified	Low dose	-	-	↑	-	-	-	-	↓	↑	-	-	-	-	-
	High dose	-	-	↑	-	-	↓	-	↓	↑	↑ 1.8	↑	-	-	-

## Lab 3

### Final report from lab

no outliers identified	Low dose	- (+2%)	-	↑	-	-	-	-	↓	↑	↑ 1.2	-	-	-	-
	High dose	- (+2%)	-	↑	-	-	-	↑	↓	↑	-	-	↓	-	-

### Final interlab comparison

no outliers identified	Low dose	-	-	↑	-	-	-	-	↓	↑	-	-	-	-	-
	High dose	-	-	↑	-	-	-	-	↓	↑	-	-	-	-	-

## Agreement across labs

### Based on individual labs' analyses

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

### Uniform analysis, incl interlab variation

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



## 2-Chloronitrobenzene (females)

Body weight	Body weight change	Liver	Kidneys	Adrenals	Pituitary	Thyroid Blotted	T4	TSH	Age at VO	Body weight at VO	Ovaries	Uterus Wet	Uterus Blotted
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### Lab 1

#### Final report from lab

no outliers	Low dose	- (+1%)	-	↑	-	-	-	-	-	-	-	-	-	-
identified	High dose	- ( 0%)	-	↑	-	-	-	-	-	↑2.5	↑	-	-	↓

#### Final interlab comparison

outliers included	Low dose	-	-	↑	-	-	-	-	-	-	-	-	-	-
	High dose	-	-	↑	-	-	-	-	-	↑3.3	↑	-	-	↓
outliers excluded	Low dose													
	High dose													

### Lab 2

#### Final report from lab

no outliers	Low dose	- (+6%)	-	↑	-	-	-	-	-	-	-	-	-	-
identified	High dose	- (+2%)	-	↑	-	↓	-	-	-	↑	↑2.7	↑	-	-

#### Final interlab comparison

no outliers	Low dose	↑	↑	↑	-	-	-	-	-	-	↑	↑	-	-
identified	High dose	-	-	↑	-	↓	↓	-	-	↑	↑2.7	↑	↓	-

### Lab 3

#### Final report from lab

no outliers	Low dose	- ( 0%)	-	↑	-	-	↓	-	↓	-	-	-	↓	-
identified	High dose	- (-3%)	-	↑	-	-	↓	-	↓	↑	↑5.8	↑	↓	-

#### Final interlab comparison

outliers included	Low dose	-	-	↑	-	-	-	-	↓	-	↑5.8	↑	↓	-
	High dose	-	-	↑	-	-	↓	-	↓	↑	↑5.8	↑	↓	-
outliers excluded	Low dose													
	High dose													

### Agreement across labs

#### Based on individual labs' analyses

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

#### Uniform analysis, incl interlab variation

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