## Legal complinace

EU: Official Journal L 131, 05/05/1998 P. 0011 - 0023 Article 6.5

"..where an occupational exposure limit value .... has been exceeded, the employer shall immediately take steps...to remedy the situation by carrying out preventive and protective measures."

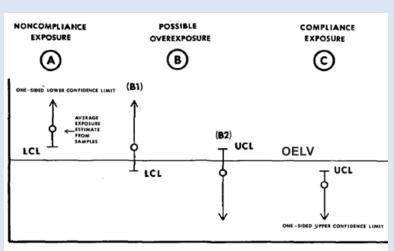
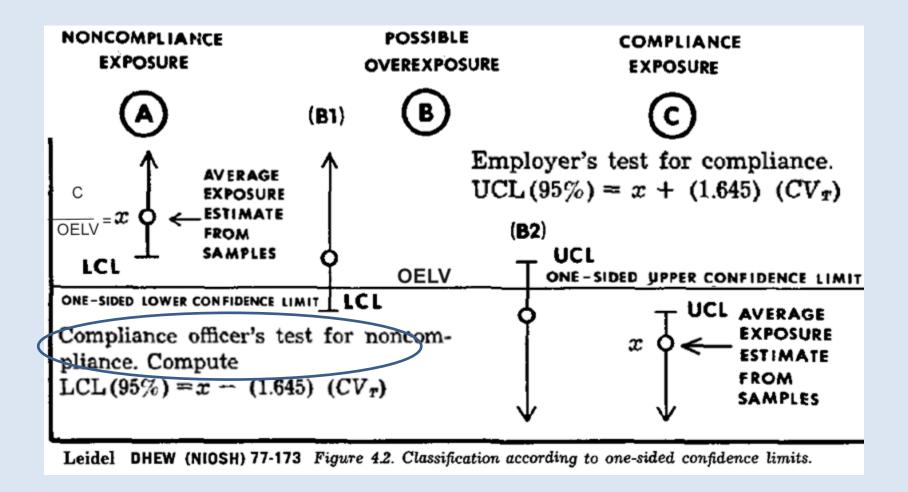


Figure 42. Classification according to one-sided confidence limits.

## Single measurement US Law enforcement



## Example Xylene 1330-20-7

	Occupational load n	ame: 📵	xyler	xylene				
	CAS-number (⊡		1330	)-20-7				
	Sampling method ເປົ້າ					Sampling (🖺)		
		MDHS 72. For the method see:			Principle: 📵		Active	
	Source: 📵		se.gov.uk/pubns/mdl	Medium: (🖺)		Tube Chromosorb 106 200 mg + tube coconut cha		
	Range: 📵	0.067 to 400	) mg/m3		Stability: (ជី) Permitted flow: (ជី)		-	
	Year: (1)	1993					5.0 to 200.0 mL/min	
	Coefficient of variation: (ট্রা	0.12			Maximur	n_	2.5 Litre	
	Maximum sampling time in minutes: (⊡	480	HSE	Executive ine and				
	Suitable for PAS?	Υ	Health & Safety Executive	MDHS 72		Vol	atile organic	
	(0)		Methods for the			cor	compounds in air	
	Validation: เ⊡ิ	2		nces	Laboratory method using pumped solid sorbent tubes, thermal desorption and gas			
	Direct reading? (⊡)	N		March 1993, reprinted				
	Analysis 🛍		INTRODUCTION					
	Method: (◘)	GC-FID	Requirements of t	s				
	Detection lower range: (◘)	50.0 ng						

## Legal non-compliance?

- Concentration TWA<sub>8 hours</sub>=249.76 mg/m<sup>3</sup>
- EU OELV<sub>8 hours</sub>=221 mg/m<sup>3</sup>
- X=C/OELV=249.76/221=1.13
- Coefficient of variation CV<sub>t</sub>=0.12
- LCL=1.13-(1.64)\*0.12=0.93
- Possible overexposure (B1)

