



Govern de les Illes Balears

Conselleria d'Agricultura,
Medi Ambient i Territori

INFORME INCERTESES EQUIPS AUTOMÀTICS DE MESURA ESTACIÓ SANT LLUIS (LAT-39/14)

TAULA RESUM

Paràmetre	Còdi FIINN	h_v^1 ($\mu\text{g}/\text{m}^3$)	c_t^2 ($\mu\text{g}/\text{m}^3$)	Incertesa (%) (valor màxim acceptat) ³	Incertesa (%) (valor assolit)	Resultat
NO	07032002_7_8	200	249	15	12	● CORRECTE
NO ₂	07032002_8_8	200	383	15	9	● CORRECTE
O ₃	07032002_14_6	180	200	15	11	● CORRECTE

¹ Valor límit horari (Real Decret 102/2011, Annex I)

² Concentració del gas d'assai

³ Real Decret 102/2011, Annex V

Contaminant: NO

[1] Càlcul de $U_{r,Z}$ [$U_{r,Z} = \frac{S_{r,Z}}{\sqrt{n}}$] (S'agafa el pitjor valor entre Bellver, Foners, Ciutadella i Sant Antoni)

Concentració màxima recta de calibratge ($\mu\text{g}/\text{m}^3$)	Error absolut ($\mu\text{g}/\text{m}^3$)	Incertesa (%)	$S_{r,Z}$ ($\mu\text{g}/\text{m}^3$)	n	$U_{r,Z}$ ($\mu\text{g}/\text{m}^3$)
499	-0,4989	0,10	0,2495	10	0,0789
499	-0,8856	0,11	0,2744		0,0868
499	-0,5114	0,20	0,4989		0,1578
499	-0,3992	0,06	0,1497		0,0473
499	-0,4241	0,07	0,1746		0,0552
499	-0,3118	0,07	0,1746		0,0552
499	-0,3867	0,07	0,1746		0,0552
499	-0,3368	0,05	0,1247		0,0394
					$U_{r,Z}$ màxim = 0,1578

[2] Càlcul de $U_{r,f}$ [$U_{r,f} = \frac{h_{lv}s}{c_t\sqrt{n}}$]

c_t ($\mu\text{g}/\text{m}^3$)	h_{lv} ($\mu\text{g}/\text{m}^3$)	s ($\mu\text{g}/\text{m}^3$)	$U_{r,f}$ ($\mu\text{g}/\text{m}^3$)
249	200	2,5966	0,6583

[4] Càlcul de $U_{l,lv}$ [$U_{l,lv} = \frac{x_{l,lv} h_{lv}}{100 \sqrt{3}}$]

c_t ($\mu\text{g}/\text{m}^3$)	h_{lv} ($\mu\text{g}/\text{m}^3$)	$X_{l,lv}$ (%)	$U_{l,lv}$ ($\mu\text{g}/\text{m}^3$)
249	200	2,0170	0,9868

[5] Càlcul de U_{gp} [$U_{gp} = \frac{h_{lv} b_{gp} \Delta gp}{c_t \sqrt{3}}$]

c_t ($\mu\text{g}/\text{m}^3$)	h_{lv} ($\mu\text{g}/\text{m}^3$)	b_{gp} ($\frac{\mu\text{g}}{\text{m}^3 \text{kPa}}$)	Δgp (kPa)	U_{gp} ($\mu\text{g}/\text{m}^3$)
249	200	-	30	-

[6] Càlcul de U_{gt} [$U_{gt} = \frac{h_{lv} b_{gt} \Delta gt}{c_t \sqrt{3}}$]

c_t ($\mu\text{g}/\text{m}^3$)	h_{lv} ($\mu\text{g}/\text{m}^3$)	b_{gt} ($\frac{\mu\text{g}}{\text{m}^3 \text{K}}$)	Δgt (K)	U_{gt} ($\mu\text{g}/\text{m}^3$)
249	200	-	30	-

[8] Càlcul de U_v [$U_v = \frac{h_{lv} b_v \Delta V}{c_t \sqrt{3}}$]

c_t ($\mu\text{g}/\text{m}^3$)	h_{lv} ($\mu\text{g}/\text{m}^3$)	b_v ($\frac{\mu\text{g}}{\text{m}^3 \text{V}}$)	ΔV (V)	U_v ($\mu\text{g}/\text{m}^3$)
249	200	0,2994	8	1,1085

[9] Càlcul de b_{H_2O} [$b_{H_2O} = \frac{1}{c_{H_2O}} [X_{H_2O,Z} + (X_{H_2O,ct} - X_{H_2O,Z}) \frac{h_{lv}}{c_t}]$]

c_t ($\mu\text{g}/\text{m}^3$)	h_{lv} ($\mu\text{g}/\text{m}^3$)	c_{H_2O} (mmol/mol)	$X_{H_2O,Z}$ (nmol/mol)	$X_{H_2O,ct}$ (nmol/mol)	b_{H_2O} (nmol/mmol)
249	200	19	0	-12,9	-0,5443

[10] Càlcul de U_{H_2O} [$U_{H_2O} = b_{H_2O} \sqrt{\frac{c_{H_2O,\text{màx.}}^2 + c_{H_2O,\text{màx.}} c_{H_2O,\text{min.}} + c_{H_2O,\text{min.}}^2}{3}}$]

c_t ($\mu\text{g}/\text{m}^3$)	$c_{H_2O,\text{màx.}}$ (mmol/mol)	$c_{H_2O,\text{min.}}$ (mmol/mol)	b_{H_2O} (nmol/mmol)	U_{H_2O} ($\mu\text{g}/\text{m}^3$)
249	21	6	-0,5443	-9,6257

[3] Càlcul de $X_{l,lv}$ [$X_{l,lv} = \frac{|\bar{y} - \bar{y}_{\text{calc.}}| \cdot 100}{c_t}$]

c_t ($\mu\text{g}/\text{m}^3$)	Y ($\mu\text{g}/\text{m}^3$)	$Y_{\text{calc.}}$ ($\mu\text{g}/\text{m}^3$)	$X_{l,lv}$ (%)
249	237	232	
249	241	236	
249	238	233	
249	234	229	
			2,0170

[7] Càlcul de U_{st} [$U_{st} = \frac{h_{lv} b_{st} \Delta T}{c_t \sqrt{3}}$]

c_t ($\mu\text{g}/\text{m}^3$)	h_{lv} ($\mu\text{g}/\text{m}^3$)	b_{st} ($\frac{\mu\text{g l}}{\text{m}^3 \text{K}}$)	ΔT (K)	U_{st} ($\mu\text{g}/\text{m}^3$)
249	200	-	10	-

[11] Altres interferents (dades importants)

Interf.	$X_{i,Z}$	$X_{i,ct}$	$c_{i,\text{màx.}}$	$c_{i,\text{min.}}$	c_i
NH ₃	0,0	-0,09	28,3	0	200
CO ₂	-0,17	0,025	700	393	500
O ₃	-0,003	-25,7	90	0	200

[12] Altres interferents (resultats obtinguts)

Interf.	c_t	b_i	U_i
NH ₃	249	-3,608e-4	-0,0073
CO ₂	249	-2,734e-5	-0,0189
O ₃	249	-0,1030	-6,6772

[13] Interferents (resultats globals)

c_t ($\mu\text{g}/\text{m}^3$)	$U_{\text{interf., negatiu}}$ ($\mu\text{g}/\text{m}^3$)	$U_{\text{interf., positiu}}$ ($\mu\text{g}/\text{m}^3$)
249	6,6773	0

[14] Càlcul $U_{D_{SC}}$ [$U_{D_{SC}} = \frac{h_{lv} D_{SC}}{100\sqrt{3}}$]			
c_t ($\mu\text{g}/\text{m}^3$)	h_{lv} ($\mu\text{g}/\text{m}^3$)	D_{SC} (%)	$U_{D_{SC}}$ ($\mu\text{g}/\text{m}^3$)
249	200	1	1,1547

[15] Càlcul $U_{D_{l,z}}$	$U_{D_{l,z}} = \frac{D_{l,z}}{\sqrt{3}}$
C _t ($\mu\text{g}/\text{m}^3$)	D _{l,z} ($\mu\text{g}/\text{m}^3$)

[16] Càlcul $U_{D_{I,lv}}$	$U_{D_{I,lv}} = \frac{h_{lv} D_{I,lv}}{100\sqrt{3}}$
c _t ($\mu\text{g}/\text{m}^3$)	h _{lv} ($\mu\text{g}/\text{m}^3$)

[17] Càlcul U _{res} [U _{res} = $\frac{\text{Resolució}}{2\sqrt{3}}$]		
C _t ($\mu\text{g}/\text{m}^3$)	Resolució ($\mu\text{g}/\text{m}^3$)	U _{res} ($\mu\text{g}/\text{m}^3$)
249	0,1247	0,0360

[19] Resultats finals						
c _t ($\mu\text{g}/\text{m}^3$)	U _z ($\mu\text{g}/\text{m}^3$)	U _{combinada} ($\mu\text{g}/\text{m}^3$)	K	I ($\mu\text{g}/\text{m}^3$)	I (%)	Resultat calibratge
249	0,7202	14,8448	2	29,6897	11,9011	CORRECTE

Contaminant: NO₂

[1] Càlcul de U_{r,Z} [U_{r,Z} = $\frac{S_{r,Z}}{\sqrt{n}}$] (S'agafa el pitjor valor entre Bellver, Foners, Ciutadella i Sant Antoni)

Concentració màxima recta de calibratge ($\mu\text{g}/\text{m}^3$)	Error absolut ($\mu\text{g}/\text{m}^3$)	Incertesa (%)	S _{r,Z} ($\mu\text{g}/\text{m}^3$)	n	U _{r,Z} ($\mu\text{g}/\text{m}^3$)
781	-0,73	0,12	0,4687	10	0,1482
774	-0,55	0,13	0,5028		0,1590
774	-0,56	0,27	1,0442		0,3302
774	-0,82	0,40	1,5470		0,4892
774	-0,19	0,09	0,3481		0,1101
774	-0,52	0,25	0,9669		0,3058
774	0,30	0,14	0,5415		0,1712
774	-0,21	0,10	0,3868		0,1223
774	-0,05	0,02	0,0774		0,0245
					U _{r,Z} màxim = 0,4892

[2] Càlcul de U_{r,f} [U_{r,f} = $\frac{h_{lv}s}{c_t \sqrt{n}}$]

c _t ($\mu\text{g}/\text{m}^3$)	h _{lv} ($\mu\text{g}/\text{m}^3$)	s ($\mu\text{g}/\text{m}^3$)	U _{r,f} ($\mu\text{g}/\text{m}^3$)
383	200	8,9120	1,4720

[4] Càlcul de U_{I,lv} [U_{I,lv} = $\frac{x_{I,lv} h_{lv}}{100 \sqrt{3}}$]

c _t ($\mu\text{g}/\text{m}^3$)	h _{lv} ($\mu\text{g}/\text{m}^3$)	X _{I,lv} (%)	U _{I,lv} ($\mu\text{g}/\text{m}^3$)
383	200	0,2079	0,2401

[5] Càlcul de U_{gp} [U_{gp} = $\frac{h_{lv} b_{gp} \Delta gp}{c_t \sqrt{3}}$]

c _t ($\mu\text{g}/\text{m}^3$)	h _{lv} ($\mu\text{g}/\text{m}^3$)	b _{gp} ($\frac{\mu\text{g}}{\text{m}^3 \text{kPa}}$)	Δgp (kPa)	U _{gp} ($\mu\text{g}/\text{m}^3$)
383	200	-	30	-

[6] Càlcul de U_{gt} [U_{gt} = $\frac{h_{lv} b_{gt} \Delta gt}{c_t \sqrt{3}}$]

c _t ($\mu\text{g}/\text{m}^3$)	h _{lv} ($\mu\text{g}/\text{m}^3$)	b _{gt} ($\frac{\mu\text{g}}{\text{m}^3 \text{K}}$)	Δgt (K)	U _{gt} ($\mu\text{g}/\text{m}^3$)
383	200	-	30	-

[8] Càlcul de U_v [U_v = $\frac{h_{lv} b_v \Delta V}{c_t \sqrt{3}}$]

c _t ($\mu\text{g}/\text{m}^3$)	h _{lv} ($\mu\text{g}/\text{m}^3$)	b _v ($\frac{\mu\text{g}}{\text{m}^3 \text{V}}$)	ΔV (V)	U _v ($\mu\text{g}/\text{m}^3$)
383	200	0,4595	8	1,1085

[9] Càlcul de b_{H₂O} [b_{H₂O} = $\frac{1}{c_{H_2O}} \left[X_{H_2O,Z} + (X_{H_2O,ct} - X_{H_2O,Z}) \frac{h_{lv}}{c_t} \right]$]

c _t ($\mu\text{g}/\text{m}^3$)	h _{lv} ($\mu\text{g}/\text{m}^3$)	c _{H₂O} (mmol/mol)	X _{H₂O,Z} (nmol/mol)	X _{H₂O,ct} (nmol/mol)	b _{H₂O} (nmol/mmol)
383	200	19	0	-12,9	-0,3546

[10] Càlcul de U_{H₂O} [U_{H₂O} = b_{H₂O} $\sqrt{\frac{c_{H_2O,\max}^2 + c_{H_2O,\max} c_{H_2O,min} + c_{H_2O,min}^2}{3}}$]

c _t ($\mu\text{g}/\text{m}^3$)	c _{H₂O,max.} (mmol/mol)	c _{H₂O,min.} (mmol/mol)	b _{H₂O} (nmol/mmol)	U _{H₂O} ($\mu\text{g}/\text{m}^3$)
193	21	6	-0,3546	-9,6257

[3] Càlcul de X_{I,lv} [X_{I,lv} = $\frac{|\bar{y} - \bar{y}_{\text{calc.}}| \cdot 100}{c_t}$]

c _t ($\mu\text{g}/\text{m}^3$)	Y ($\mu\text{g}/\text{m}^3$)	Y _{calc.} ($\mu\text{g}/\text{m}^3$)	X _{I,lv} (%)
383	402	403	
383	389	389	
383	381	382	
383	387	387	
			0,2079

[7] Càlcul de U_{st} [U_{st} = $\frac{h_{lv} b_{st} \Delta T}{c_t \sqrt{3}}$]

c _t ($\mu\text{g}/\text{m}^3$)	h _{lv} ($\mu\text{g}/\text{m}^3$)	b _{st} ($\frac{\mu\text{g}}{\text{m}^3 \text{K}}$)	ΔT (K)	U _{st} ($\mu\text{g}/\text{m}^3$)
383	200	-	10	-

[11] Altres interferents (dades importants)

Interf.	X _{i,Z}	X _{i,ct}	c _{i,màx.}	c _{i,min.}	c _i
NH ₃	0,0	-0,09	28,3	0	200
CO ₂	-0,17	0,025	700	393	500
O ₃	-0,003	-25,7	90	0	200

[12] Altres interferents (resultats obtinguts)

Interf.	c _t	b _i	U _i
NH ₃	383	-2,350e-4	-0,0073
CO ₂	383	-1,363e-4	-0,1445
O ₃	383	-0,0671	-6,6778

[13] Interferents (resultats globals)

c _t ($\mu\text{g}/\text{m}^3$)	U _{interf., negatiu} ($\mu\text{g}/\text{m}^3$)	U _{interf., positiu} ($\mu\text{g}/\text{m}^3$)
383	6,6793	0

[14] Càlcul $U_{D_{SC}}$ [$U_{D_{SC}} = \frac{h_{lv} D_{SC}}{100\sqrt{3}}$]			
c_t ($\mu\text{g}/\text{m}^3$)	h_{lv} ($\mu\text{g}/\text{m}^3$)	D_{SC} (%)	$U_{D_{SC}}$ ($\mu\text{g}/\text{m}^3$)
383	200	1	1,1547

[15] Càlcul $U_{D_{l,z}}$	$U_{D_{l,z}} = \frac{D_{l,z}}{\sqrt{3}}$
C _t ($\mu\text{g}/\text{m}^3$)	D _{l,z} ($\mu\text{g}/\text{m}^3$)

[16] Càlcul $U_{D_{I,lv}} = \frac{h_{lv} D_{I,lv}}{100\sqrt{3}}$			
c_t ($\mu\text{g}/\text{m}^3$)	h_{lv} ($\mu\text{g}/\text{m}^3$)	$D_{I,lv}$ (%)	$U_{D_{I,lv}}$ ($\mu\text{g}/\text{m}^3$)
383	200	5	5,7735

[17] Càlcul U _{res}	$U_{\text{res}} = \frac{\text{Resolució}}{2\sqrt{3}}$
C _t ($\mu\text{g}/\text{m}^3$)	Resolució ($\mu\text{g}/\text{m}^3$)

[19] Resultats finals						
c _t ($\mu\text{g}/\text{m}^3$)	U _Z ($\mu\text{g}/\text{m}^3$)	U _{combinada} ($\mu\text{g}/\text{m}^3$)	K	I ($\mu\text{g}/\text{m}^3$)	I (%)	Resultat calibratge
383	1,1054	17,0015	2	34,0030	8,8799	CORRECTE

Contaminant: O₃

[1] Càlcul de U_{r,Z} [U_{r,Z} = $\frac{S_{r,Z}}{\sqrt{n}}$] (S'agafa el pitjor valor entre Bellver, Foners, Ciutadella i Sant Antoni)

Concentració màxima recta de calibratge ($\mu\text{g}/\text{m}^3$)	Error absolut ($\mu\text{g}/\text{m}^3$)	Incertesa (%)	S _{r,Z} ($\mu\text{g}/\text{m}^3$)	n	U _{r,Z} ($\mu\text{g}/\text{m}^3$)
799	-0,3996	0,20	0,7992	10	0,2527
799	-0,7992	0,25	0,9990		0,3159
799	-1,3986	0,25	0,9990		0,3159
799	0,2197	0,03	0,1199		0,0379
799	-0,8791	0,08	0,3197		0,1011
799	0,5194	0,04	0,1598		0,0505
$U_{r,Z}$ màxim = 0,3159					

[2] Càlcul de U_{r,f} [U_{r,f} = $\frac{h_{lv}s}{c_t \sqrt{n}}$]

c _t ($\mu\text{g}/\text{m}^3$)	h _{lv} ($\mu\text{g}/\text{m}^3$)	s ($\mu\text{g}/\text{m}^3$)	U _{r,f} ($\mu\text{g}/\text{m}^3$)
200	180	6,9213	1,9720

[4] Càlcul de U_{I,lv} [U_{I,lv} = $\frac{x_{I,lv} h_{lv}}{100 \sqrt{3}}$]

c _t ($\mu\text{g}/\text{m}^3$)	h _{lv} ($\mu\text{g}/\text{m}^3$)	X _{I,lv} (%)	U _{I,lv} ($\mu\text{g}/\text{m}^3$)
200	180	0,5413	0,5926

[5] Càlcul de U_{gp} [U_{gp} = $\frac{h_{lv} b_{gp} \Delta gp}{c_t \sqrt{3}}$]

c _t ($\mu\text{g}/\text{m}^3$)	h _{lv} ($\mu\text{g}/\text{m}^3$)	b _{gp} ($\frac{\mu\text{g}}{\text{m}^3 \text{ kPa}}$)	Δgp (kPa)	U _{gp} ($\mu\text{g}/\text{m}^3$)
200	180	-	30	-

[3] Càlcul de X_{I,lv} [X_{I,lv} = $\frac{|\bar{y} - \bar{y}_{\text{calc.}}| \cdot 100}{c_t}$]

c _t ($\mu\text{g}/\text{m}^3$)	Y ($\mu\text{g}/\text{m}^3$)	Y _{calc.} ($\mu\text{g}/\text{m}^3$)	X _{I,lv} (%)
200	201	201	
200	190	189	
200	201	201	

0,5413

[6] Càlcul de U_{gt} [U_{gt} = $\frac{h_{lv} b_{gt} \Delta gt}{c_t \sqrt{3}}$]

c _t ($\mu\text{g}/\text{m}^3$)	h _{lv} ($\mu\text{g}/\text{m}^3$)	b _{gt} ($\frac{\mu\text{g}}{\text{m}^3 \text{ K}}$)	Δgt (K)	U _{gt} ($\mu\text{g}/\text{m}^3$)
200	180	-0,1998	30	-3,1179

[7] Càlcul de U_{st} [U_{st} = $\frac{h_{lv} b_{gt} \Delta T}{c_t \sqrt{3}}$]

c _t ($\mu\text{g}/\text{m}^3$)	h _{lv} ($\mu\text{g}/\text{m}^3$)	b _{gt} ($\frac{\mu\text{g}}{\text{m}^3 \text{ K}}$)	ΔT (K)	U _{st} ($\mu\text{g}/\text{m}^3$)
200	180	-0,1998	10	-1,0393

[8] Càlcul de U_v [U_v = $\frac{h_{lv} b_v \Delta V}{c_t \sqrt{3}}$]

c _t ($\mu\text{g}/\text{m}^3$)	h _{lv} ($\mu\text{g}/\text{m}^3$)	b _v ($\frac{\mu\text{g}}{\text{m}^3 \text{ V}}$)	ΔV (V)	U _v ($\mu\text{g}/\text{m}^3$)
200	180	0,0999	8	0,4157

[11] Altres interferents (dades importants)

Interf.	X _{i,z}	X _{i,ct}	C _{i,màx.}	C _{i,min.}	C _i
toluè	-	-	0,018	0	0,5
m-xilè	-	-	0,009	0	0,5

[9] Càlcul de b_{H₂O} [b_{H₂O} = $\frac{1}{c_{H_2O}} [X_{H_2O,Z} + (X_{H_2O,ct} - X_{H_2O,Z}) \frac{h_{lv}}{c_t}]$]

c _t ($\mu\text{g}/\text{m}^3$)	h _{lv} ($\mu\text{g}/\text{m}^3$)	c _{H₂O} ($\frac{\text{mmol}}{\text{mol}}$)	X _{H₂O,Z} ($\frac{\text{nmol}}{\text{mol}}$)	X _{H₂O,ct} ($\frac{\text{nmol}}{\text{mol}}$)	b _{H₂O} ($\frac{\text{nmol}}{\text{mmol}}$)
200	180	19	-4	6,1	0,2684

[12] Altres interferents (resultats obtinguts)

Interf.	c _t	b _i	U _i
toluè	200	-	-
m-xilè	200	-	-

[13] Interferents (resultats globals)

c _t ($\mu\text{g}/\text{m}^3$)	U _{interf., negatiu} ($\mu\text{g}/\text{m}^3$)	U _{interf., positiu} ($\mu\text{g}/\text{m}^3$)
200	-	-

[10] Càlcul de U_{H₂O} [U_{H₂O} = b_{H₂O} $\sqrt{\frac{c_{H_2O,\text{màx.}}^2 + c_{H_2O,\text{màx.}} c_{H_2O,\text{min.}} + c_{H_2O,\text{min.}}^2}{3}}$]

c _t ($\mu\text{g}/\text{m}^3$)	c _{H₂O,màx.} ($\frac{\text{mmol}}{\text{mol}}$)	c _{H₂O,min.} ($\frac{\text{mmol}}{\text{mol}}$)	b _{H₂O} ($\frac{\text{nmol}}{\text{mmol}}$)	U _{H₂O} ($\mu\text{g}/\text{m}^3$)
200	21	6	0,2684	7,6032

[14] Càlcul $U_{D_{SC}}$ [$U_{D_{SC}} = \frac{h_{lv} D_{SC}}{100\sqrt{3}}$]			
c_t ($\mu\text{g}/\text{m}^3$)	h_{lv} ($\mu\text{g}/\text{m}^3$)	D_{SC} (%)	$U_{D_{SC}}$ ($\mu\text{g}/\text{m}^3$)
200	180	1	1,0393

[15] Càlcul $U_{D_{I,Z}}$ [$U_{D_{I,Z}} = \frac{D_{I,Z}}{\sqrt{3}}$]		
c_t ($\mu\text{g}/\text{m}^3$)	$D_{I,Z}$ ($\mu\text{g}/\text{m}^3$)	$U_{D_{I,Z}}$ ($\mu\text{g}/\text{m}^3$)
200	5,9940	3,4606

[16] Càlcul $U_{D_{I,lv}}$ [$U_{D_{I,lv}} = \frac{h_{lv} D_{I,lv}}{100\sqrt{3}}$]			
c_t ($\mu\text{g}/\text{m}^3$)	h_{lv} ($\mu\text{g}/\text{m}^3$)	$D_{I,lv}$ (%)	$U_{D_{I,lv}}$ ($\mu\text{g}/\text{m}^3$)
200	180	5	5,1966

[17] Càlcul U_{res} [$U_{res} = \frac{\text{Resolució}}{2\sqrt{3}}$]		
c_t ($\mu\text{g}/\text{m}^3$)	Resolució ($\mu\text{g}/\text{m}^3$)	U_{res} ($\mu\text{g}/\text{m}^3$)
200	0,1998	0,0577

[18] Càlcul $U_{patró}$ [$U_{patró} = \frac{I}{K}$]			
c_t ($\mu\text{g}/\text{m}^3$)	I	K	$U_{patró}$ ($\mu\text{g}/\text{m}^3$)
200	2,3976	2	1,1988

[19] Resultats finals						
c_t ($\mu\text{g}/\text{m}^3$)	U_z ($\mu\text{g}/\text{m}^3$)	$U_{combinada}$ ($\mu\text{g}/\text{m}^3$)	K	I ($\mu\text{g}/\text{m}^3$)	I (%)	Resultat calibratge
200	1,1535	10,7666	2	21,5333	10,7774	CORRECTE

Palma, 22 de juliol de 2014

Elaborat per: Secció de Contaminació Atmosfèrica, DIRECCIÓ GENERAL DE MEDI NATURAL, EDUCACIÓ AMBIENTAL I CANVI CLIMÀTIC, CONSELLERIA D'AGRICULTURA, MEDI AMBIENT I TERRITORI, GOVERN BALEAR.