

## LABORATORY ANALYSIS REPORT

### NITROGEN DIOXIDE IN DIFFUSION TUBES BY U.V.SPECTROPHOTOMETRY

**REPORT NUMBER** G00698R  
**BOOKING IN REFERENCE** G00698  
**DESPATCH NOTE** SOR009246  
**CUSTOMER** South Holland District Council Attn: Jeanette Reith  
Environmental Health Dept.,  
Pollution Control,  
Council Offices, Priory Road  
Spalding, Lincs.  
PE11 2XE

**DATE SAMPLES RECEIVED** 03/12/2012

Location	Sample Number	Exposure Data		Time (hr.)	$\mu\text{g}/\text{m}^3$ *	ppb *	TOTAL $\mu\text{g NO}_2$
		Date On	Date Off				
Millfield garden Crowland	062131	31/10/2012	28/11/2012	672.75	22.30	11.64	1.09
Nutten Stoven	062130	29/10/2012	28/11/2012	720.17	16.21	8.46	0.85
Priory Rd	062129	05/11/2012	28/11/2012	556.83	24.52	12.80	0.99
46 The Hollies	062128	29/10/2012	28/11/2012	720.25	18.34	9.57	0.96
Station Rd	062127	30/10/2012	28/11/2012	698.92	20.72	10.81	1.05
103 Boston Rd	062126	29/10/2012	28/11/2012	720.03	23.00	12.00	1.20
Field End	062125	29/10/2012	28/11/2012	718.68	28.63	14.95	1.50
Westmere Primary	062124	29/10/2012	28/11/2012	719.50	19.34	10.09	1.01
Westmere Primary	062123	29/10/2012	28/11/2012	719.50	19.76	10.31	1.03
Westmere Primary	062122	29/10/2012	28/11/2012	719.50	18.94	9.89	0.99
Metalair	062121	29/10/2012	28/11/2012	718.75	26.81	13.99	1.40
Blank	062120			720.25	0.34	0.18	0.02
Pinchbeck Rd	062119	30/10/2012	28/11/2012	696.83	38.00	19.83	1.92
Springfields roundabout	062118	29/10/2012	28/11/2012	719.17	29.88	15.60	1.56
Church Street, Pinchbeck	062117	30/10/2012	28/11/2012	696.83	31.00	16.18	1.57
A52 Donington	062116	30/10/2012	28/11/2012	697.50	20.54	10.72	1.04
High Street	062115	31/10/2012	28/11/2012	672.58	33.90	17.69	1.66
BP Garage	062114	30/10/2012	28/11/2012	697.33	32.20	16.81	1.63
Laboratory Blank				720.25	0.50	0.26	0.026

**Comment: Results are not blank subtracted**

**Tubes 062131 and 062129 exposure times were incorrect**

**Results have been corrected to a temperature of 293 K (20°)**

**Overall M.U.** 7.8% +/-

**Limit of Detection** 0.060 $\mu\text{gNO}_2$

**Tube Preparation :** 50% TEA /Acetone

Analysed on UV04 Camspec M550

The Diffusion Tubes have been tested within the scope of Gradko International Ltd. Laboratory Quality Procedures calculations and assessments involving the exposure procedures and periods provided by the client are not within the scope of our UKAS accreditation. Those results obtained using exposure data shall be indicated by an asterisk. Any queries concerning the data in this report should be directed to the Laboratory Manager Gradko International Ltd. This report is not to be reproduced, except in full, without the written permission of Gradko International Ltd.

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This signature confirms the authenticity of these results  
Signed.....  
L. Gates, Laboratory Supervisor

## LABORATORY ANALYSIS REPORT

Analyst Signature

Analyst Name

Ben Gregory

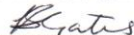
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