

St. Martins House, 77 Wales Street Winchester, Hampshire SO23 0RH  
tel.: 01962 860331 fax: 01962 841339 e-mail: diffusion@gradko.co.uk

## LABORATORY ANALYSIS REPORT

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

**REPORT NUMBER** 44962  
**BOOKING IN REFERENCE No** E 2916  
**CUSTOMER** South Holland District Council  
Council Offices, Priory Road  
Spalding, Lincolnshire PE11 2XE  
**DATE SAMPLES RECEIVED** 09/06/2011

May-11		Exposure Data				TOTAL
Tube Number	Date On	Date Off	Time (hr.)	$\mu\text{g}/\text{m}^3$ *	ppb *	$\mu\text{G NO}_2$
1	27/04/2011	01/06/2011	839.75	8.93	4.66	0.55
2	28/04/2011	03/06/2011	863.43	9.66	5.04	0.61
3	28/04/2011	01/06/2011	812.92	13.24	6.91	0.78
4	28/04/2011	03/06/2011	863.50	8.81	4.60	0.55
5	27/04/2011	01/06/2011	842.33	12.81	6.68	0.78
6	28/04/2011	03/06/2011	863.50	15.12	7.89	0.95
7	28/04/2011	03/06/2011	863.50	19.15	10.00	1.20
8	28/04/2011	02/06/2011	840.75	9.87	5.15	0.60
9	28/04/2011	02/06/2011	840.75	9.38	4.89	0.57
10	28/04/2011	02/06/2011	840.75	8.33	4.35	0.51
11	28/04/2011	02/06/2011	841.08	15.49	8.09	0.95
13	27/04/2011	03/06/2011	886.83	24.45	12.76	1.58
14	28/04/2011	01/06/2011	816.67	20.45	10.67	1.21
15	27/04/2011	01/06/2011	844.25	19.82	10.34	1.22
16	27/04/2011	01/06/2011	843.50	12.54	6.55	0.77
17	28/04/2011	01/06/2011	817.67	19.62	10.24	1.17
18	27/04/2011	01/06/2011	839.67	19.70	10.28	1.20
12 Travel Blank			886.83	0.81	0.42	0.05
Lab Blank			886.83	0.78	0.40	0.050

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.

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Gradko International Ltd  
This signature confirms the authenticity of these results  
Signed.....*L. Gates*.....  
L. Gates, Laboratory Supervisor

## LABORATORY ANALYSIS REPORT

**Comment: Results are not blank subtracted**

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

**Overall M.O.U.** 7.3% +/-  
**Tube Preparation : 50% TEA /Acetone** Analysed on UVS03 Cecil

**Limit of Detection** 0.087µgNO<sub>2</sub>

**Analyst Name** J. Samuel

**Date of Analysis** 20/06/2011

**Date of Report** 21/06/2011

**Analysis carried out in accordance with documented in-house Laboratory Method GLM7**

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L. Gates, Laboratory Supervisor