

## LABORATORY ANALYSIS REPORT

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

**REPORT NUMBER** 47737  
**BOOKING IN REFERENCE No** E 6528  
**DESPATCH NOTE No** SOR 006446

**CUSTOMER** South Holland District Council  
Council Offices, Priory Road  
Spalding, Lincolnshire PE11 2XE

**DATE SAMPLES RECEIVED** 06/12/2011

Tube Number	Exposure Data			μg/m <sup>3</sup> *	ppb *	TOTAL μG NO <sub>2</sub>
	Date On	Date Off	Time (hr.)			
Nov-11						
1	03/11/2011	28/11/2011	606.33	25.39	13.25	1.12
2	04/11/2011	02/12/2011	672.25	19.51	10.18	0.95
3	03/11/2011	02/12/2011	695.33	22.60	11.79	1.14
4	04/11/2011	02/12/2011	672.33	22.94	11.97	1.12
5	03/11/2011	01/12/2011	673.08	22.65	11.82	1.11
6	04/11/2011	02/12/2011	672.25	29.98	15.65	1.47
7	04/11/2011	02/12/2011	672.33	30.29	15.81	1.48
8	04/11/2011	02/12/2011	672.17	24.75	12.92	1.21
9	04/11/2011	02/12/2011	672.17	24.24	12.65	1.18
10	04/11/2011	02/12/2011	672.17	24.44	12.76	1.19
11	04/11/2011	02/12/2011	672.33	33.60	17.54	1.64
13	04/11/2011	01/12/2011	649.75	36.57	19.09	1.73
14	04/11/2011	02/12/2011	672.25	39.01	20.36	1.91
15	03/11/2011	01/12/2011	673.25	37.09	19.36	1.82
16	03/11/2011	01/12/2011	674.17	24.80	12.94	1.22
17	03/11/2011	02/12/2011	695.25	39.88	20.81	2.02
18	03/11/2011	02/12/2011	699.08	29.05	15.16	1.48
Travel Blank			699.08	0.22	0.11	0.01
Lab Blank			699.08	0.89	0.46	0.046

**Comment: Results are not blank subtracted**

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

**Overall M.O.U** 5.2% +/-

**Tube Preparation :** 50% TEA /Acetone Analysed on UV05 Camspec M550

**Analyst Signature**

**Limit of Detection** 0.07 $\mu\text{gNO}_2$

**Analyst Name** B. Gregory

**Date of Analysis** 12/12/2011

**Date of Report** 14/12/2011

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

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.

**REPORT OFFICIALLY CHECKED**

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