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LABORATORY ANALYSIS REPORT

NITROGEN DIOXIDE IN DIFFUSION TUBES BY U.V. SPECTROPHOTOMETRY

REPORT NUMBER 43824
BOOKING IN REFERENCE No E 1320
CUSTOMER South Holland District Council
Council Offices, Priory Road
Spalding, Lincolnshire PE11 2XE
DATE SAMPLES RECEIVED 09/03/2011

Feb-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	02/02/2011	03/03/2011	698.42	17.81	9.29	0.90
2	04/02/2011	04/03/2011	672.25	16.50	8.61	0.81
3	04/02/2011	04/03/2011	672.67	22.75	11.87	1.11
4	04/02/2011	04/03/2011	672.25	16.62	8.67	0.81
5	02/02/2011	03/03/2011	694.25	21.23	11.08	1.07
7	04/02/2011	04/03/2011	672.42	17.35	9.06	0.85
8	04/02/2011	04/03/2011	671.83	15.77	8.23	0.77
9	04/02/2011	04/03/2011	671.83	16.47	8.59	0.80
10	04/02/2011	04/03/2011	671.83	18.45	9.63	0.90
11	04/02/2011	04/03/2011	672.33	25.13	13.12	1.23
13	04/02/2011	03/03/2011	651.58	28.34	14.79	1.34
14	04/02/2011	04/03/2011	672.25	28.45	14.85	1.39
15	02/02/2011	03/03/2011	698.25	29.75	15.53	1.51
16	02/02/2011	03/03/2011	684.00	21.87	11.41	1.09
17	04/02/2011	03/03/2011	648.25	30.22	15.77	1.42
18	04/02/2011	04/03/2011	668.75	27.61	14.41	1.34
12 Travel Blank			698.42	0.61	0.32	0.03
Lab Blank			698.42	0.77	0.40	0.039

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.

Form LQF32 Issue 2

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REPORT OFFICIALLY CHECKED

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% +/-

Limit of Detection

0.087 µgNO₂

Tube Preparation : 50% TEA /Acetone

Analysed on UVS03 Cecil

Analyst Name

A. Ratcliffe

Date of Analysis

23/03/2011

Date of Report

24/03/2011

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

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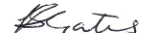
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Signed..........

L. Gates, Laboratory Supervisor