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LABORATORY ANALYSIS REPORT

NITROGEN DIOXIDE IN DIFFUSION TUBES BY U.V. SPECTROPHOTOMETRY

REPORT NUMBER 43477
BOOKING IN REFERENCE No E 0794
CUSTOMER South Holland District Council
Council Offices, Priory Road
Spalding, Lincolnshire PE11 2XE
DATE SAMPLES RECEIVED 08/02/2011

Jan-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	06/01/2011	02/02/2011	645.92	19.19	10.02	0.90
2	07/01/2011	04/02/2011	671.83	19.27	10.06	0.94
3	07/01/2011	04/02/2011	672.00	27.56	14.38	1.35
4	07/01/2011	04/02/2011	672.17	20.96	10.94	1.02
5	06/01/2011	02/02/2011	649.08	25.03	13.07	1.18
6	07/01/2011	04/02/2011	671.83	29.39	15.34	1.44
7	07/01/2011	04/02/2011	671.75	24.19	12.63	1.18
8	07/01/2011	04/02/2011	672.25	17.56	9.17	0.86
9	07/01/2011	04/02/2011	672.25	16.76	8.75	0.82
10	07/01/2011	04/02/2011	672.25	16.93	8.83	0.83
11	07/01/2011	04/02/2011	671.75	23.08	12.05	1.13
13	07/01/2011	04/02/2011	668.67	37.33	19.48	1.81
14	07/01/2011	04/02/2011	672.17	31.07	16.22	1.52
15	06/01/2011	02/02/2011	648.70	36.76	19.18	1.73
16	06/01/2011	02/02/2011	648.58	21.94	11.45	1.03
17	07/01/2011	04/02/2011	671.83	32.56	17.00	1.59
18	06/01/2011	04/02/2011	698.33	32.08	16.74	1.63

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

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12 Travel Blank	698.33	0.63	0.33	0.03
Lab Blank	698.33	0.73	0.38	0.037

Comment: Results are not blank subtracted

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

Overall M.O.U.

5.17% +/-

Limit of Detection

0.060µgNO₂

Tube Preparation : 50% TEA /Acetone

Analysed on UVS04 Camspec M550

Analyst Name

P. Hunter

Date of Analysis

23/02/2011

Date of Report

23/02/2011

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

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L. Gates, Laboratory Supervisor