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LABORATORY ANALYSIS REPORT

NITROGEN DIOXIDE IN DIFFUSION TUBES BY U.V.SPECTROPHOTOMETRY

REPORT NUMBER 46623
BOOKING IN REFERENCE No E 5163
DESPATCH NOTE No SOR 006446

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

DATE SAMPLES RECEIVED 03/10/2011

Sep-11		Exposure Data				TOTAL
Tube Number	Date On	Date Off	Time (hr.)	µg/m ³ *	ppb *	µG NO ₂
1	30/08/2011	27/09/2011	671.17	13.82	7.21	0.67
2	31/08/2011	29/09/2011	694.00	10.53	5.49	0.53
3	30/08/2011	30/09/2011	746.08	17.85	9.32	0.97
4	30/08/2011	29/09/2011	714.75	12.19	6.36	0.63
5	30/08/2011	30/09/2011	746.50	19.04	9.94	1.03
6	31/08/2011	29/09/2011	694.03	17.27	9.01	0.87
7	30/08/2011	29/09/2011	715.37	24.31	12.69	1.26
8	31/08/2011	29/09/2011	696.25	6.92	3.61	0.35
9	31/08/2011	29/09/2011	696.25	10.43	5.45	0.53
10	31/08/2011	29/09/2011	696.25	<L.O.D.	<L.O.D.	<L.O.D.
11	30/08/2011	29/09/2011	716.50	21.47	11.21	1.12
13	30/08/2011	30/09/2011	744.50	31.20	16.28	1.69
14	30/08/2011	29/09/2011	719.75	23.04	12.02	1.21
15	30/08/2011	30/09/2011	744.75	29.12	15.20	1.58
18	30/08/2011	29/09/2011	714.08	24.97	13.03	1.30
Travel Blank			746.50	0.09	0.05	0.01
Lab Blank			746.50	0.11	0.06	0.006

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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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

<L.O.D. means below the limit of detection.

Tube 17 was missing on arrival.

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

Overall M.O.U	7.8% +/-	Limit of Detection	0.060µgNO ₂
Tube Preparation : 20% TEA / Acetone	Analysed on UVS04 Camspec M550	Analyst Name	B. Gregory
Analyst Signature		Date of Report	05/10/2011
Date of Analysis	04/10/2011		

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

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