

LABORATORY ANALYSIS REPORT

NITROGEN DIOXIDE IN DIFFUSION TUBES BY U.V.SPECTROPHOTOMETRY

REPORT NUMBER G00700R

BOOKING IN REFERENCE G00700

DESPATCH NOTE SOR009246

CUSTOMER South Holland District Council Attn: Jeanette Reith
Environmental Health Department, Pollution Control
Council Offices, Priory
Road, Spalding
Lincs PE11 2XE

DATE SAMPLES RECEIVED 30/11/2012

Location	Sample Number	Exposure Data		Time (hr.)	$\mu\text{g}/\text{m}^3$ *	ppb *	TOTAL
		Date On	Date Off				$\mu\text{g NO}_2$
Station Road	051195	24/09/2012	30/10/2012	861.08	16.33	8.52	1.02
103 Boston Road	051196	26/09/2012	29/10/2012	792.55	23.14	12.08	1.33
Field End	051197	26/09/2012	29/10/2012	792.48	17.16	8.96	0.99
Westmere 1	051198	26/09/2012	29/10/2012	791.17	11.02	5.75	0.63
Westmere 2	051199	26/09/2012	29/10/2012	791.17	11.35	5.92	0.65
Westmere 3	051181	26/09/2012	29/10/2012	791.17	11.20	5.84	0.64
Metalair	051182	26/09/2012	29/10/2012	792.25	21.70	11.32	1.25
Blank	051183			862.75			0.03
Pinchbeck Road	051186	26/09/2012	30/10/2012	816.42	27.09	14.14	1.61
Springfields	051185	26/09/2012	29/10/2012	792.33	3.45	1.80	0.20
Pinchbeck Road	051184	24/09/2012	30/10/2012	862.75	28.53	14.89	1.79
Donington	051187	24/09/2012	30/10/2012	861.75	14.34	7.49	0.90
High Street	051188	26/09/2012	31/10/2012	844.92	23.19	12.10	1.42
BP Garage	051189	26/09/2012	30/10/2012	811.58	24.23	12.65	1.43
21 Millfield	051191	26/09/2012	30/10/2012	813.00	13.42	7.01	0.79
Nutten Stoven	051192	26/09/2012	29/10/2012	792.42	15.00	7.83	0.86
46 The Hollies	051194	26/09/2012	29/10/2012	792.25	13.65	7.13	0.79
Laboratory Blank				862.75	0.26	0.13	0.016

Comment: Results are not blank subtracted

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

Overall M.U. 5.2% +/-

Limit of Detection 0.07 μgNO_2

Tube Preparation: 50% TEA /Acetone

Analysed on UV05 Camspec M550

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 LQF32b Issue 3 – March 2011

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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

Analyst Signature

Analyst Name

Lena Szulc

Date of Analysis

10/12/2012

Date of Report

10/12/2012

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


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L. Gates, Laboratory Supervisor