

LABORATORY ANALYSIS REPORT

NITROGEN DIOXIDE IN DIFFUSION TUBES BY U.V.SPECTROPHOTOMETRY

REPORT NUMBER F 3482R
BOOKING IN REFERENCE No F 3482
DESPATCH NOTE No SOR 009246

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

DATE SAMPLES RECEIVED 06/06/2012

Tube Number	Exposure Data		Time (hr.)	$\mu\text{g}/\text{m}^3$ *	ppb *	TOTAL $\mu\text{G NO}_2$
	Date On	Date Off				
May-01	25/04/2012	29/05/2012	821.92	7.90	4.12	0.47
May-02	26/04/2012	01/06/2012	863.92	10.78	5.63	0.68
May-04	26/04/2012	01/06/2012	863.75	7.92	4.13	0.50
May-05	25/04/2012	30/05/2012	845.72	13.21	6.89	0.81
May-06	26/04/2012	01/06/2012	863.83	25.60	13.36	1.61
May-07	26/04/2012	01/06/2012	863.83	11.77	6.14	0.74
May-08	26/04/2012	01/06/2012	863.92	6.39	3.33	0.40
May-09	26/04/2012	01/06/2012	863.92	6.13	3.20	0.39
May-10	26/04/2012	01/06/2012	863.92	5.37	2.80	0.34
May-11	26/04/2012	01/06/2012	863.83	16.79	8.76	1.05
May-13	25/04/2012	30/05/2012	844.42	18.79	9.81	1.15
May-14	30/04/2012	01/06/2012	768.00	23.38	12.20	1.31
May-15	25/04/2012	30/05/2012	844.83	27.26	14.23	1.67
May-16	25/04/2012	30/05/2012	845.67	9.08	4.74	0.56
May-17	30/04/2012	01/06/2012	770.83	19.42	10.14	1.09
May-18	25/04/2012	01/06/2012	890.67	19.31	10.08	1.25
May-12 Travel Blank			890.67	0.28	0.15	0.02
Lab Blank			890.67	0.26	0.14	0.017

Comment: Results are not blank subtracted
Results have been corrected to a temperature of 293 K (20°)

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

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Overall M.O.U	5.2% +/-	Limit of Detection	0.07µgNO ₂
Tube Preparation: 50% TEA /Acetone	Analysed on UV05 Camspec M550		

Analyst Signature	Analyst Name	V. Clark
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Date of Analysis	12/06/2012	Date of Report	15/06/2012
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Analysis carried out in accordance with documented in-house Laboratory Method GLM7

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Form LQF32 Issue 2

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Signed.....*L. Gates*.....
L. Gates, Laboratory Supervisor