

LABORATORY ANALYSIS REPORT

NITROGEN DIOXIDE IN DIFFUSION TUBES BY U.V.SPECTROPHOTOMETRY

REPORT NUMBER F 2265R
BOOKING IN REFERENCE No F 2265
DESPATCH NOTE No SOR 006446

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

DATE SAMPLES RECEIVED 05/04/2012

Tube Number	Exposure Data		Time (hr.)	$\mu\text{g}/\text{m}^3$ *	ppb *	TOTAL $\mu\text{G NO}_2$
	Date On	Date Off				
Mar-01	29/02/2012	30/03/2012	720.58	16.78	8.76	0.88
Mar-02	28/02/2012	29/03/2012	722.33	20.34	10.62	1.07
Mar-04	28/02/2012	29/03/2012	722.33	19.22	10.03	1.01
Mar-05	02/03/2012	30/03/2012	673.75	25.04	13.07	1.23
Mar-06	28/02/2012	29/03/2012	722.33	28.61	14.93	1.50
Mar-07	28/02/2012	29/03/2012	722.33	23.96	12.51	1.26
Mar-08	28/02/2012	29/03/2012	722.25	16.59	8.66	0.87
Mar-09	28/02/2012	29/03/2012	722.25	17.91	9.35	0.94
Mar-10	28/02/2012	29/03/2012	722.25	17.62	9.20	0.93
Mar-11	28/02/2012	29/03/2012	722.67	27.61	14.41	1.45
Mar-13	02/03/2012	03/04/2012	768.75	28.71	14.98	1.60
Mar-14	28/02/2012	30/03/2012	745.50	34.44	17.97	1.87
Mar-15	02/03/2012	30/03/2012	676.25	32.43	16.93	1.59
Mar-16	02/03/2012	30/03/2012	675.67	20.30	10.60	1.00
Mar-17	02/03/2012	30/03/2012	670.92	31.09	16.23	1.52
Mar-18	29/02/2012	30/03/2012	720.50	32.62	17.02	1.71
Travel Blank Mar-12			768.75	0.45	0.23	0.03
Lab Blank			768.75	0.13	0.07	0.007

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

Overall M.O.U 7.3 +/-% **Limit of Detection** 0.087 μgNO_2
Tube Preparation : 50% TEA /Acetone Analysed on UVS03 Cecil

Analyst Name J. Samuel

Date of Analysis 18/04/2012

Date of Report 20/04/2012

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

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.