

LABORATORY ANALYSIS REPORT

NITROGEN DIOXIDE IN DIFFUSION TUBES BY U.V.SPECTROPHOTOMETRY

REPORT NUMBER F 2775R
BOOKING IN REFERENCE No F 2775
DESPATCH NOTE No SOR 009246

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

DATE SAMPLES RECEIVED 01/05/2012

Tube Number	Exposure Data		Time (hr.)	$\mu\text{g}/\text{m}^3$ *	ppb *	TOTAL $\mu\text{G NO}_2$
	Date On	Date Off				
Apr-01	30/03/2012	25/04/2012	622.67	9.77	5.10	0.44
Apr-02	29/03/2012	26/04/2012	669.00	12.38	6.46	0.60
Apr-04	29/03/2012	26/04/2012	669.00	9.28	4.84	0.45
Apr-05	30/03/2012	25/04/2012	619.95	13.60	7.10	0.61
Apr-06	29/03/2012	26/04/2012	669.05	21.51	11.23	1.05
Apr-07	29/03/2012	26/04/2012	669.08	14.99	7.82	0.73
Apr-08	29/03/2012	26/04/2012	669.25	11.72	6.12	0.57
Apr-09	29/03/2012	26/04/2012	669.25	9.03	4.71	0.44
Apr-10	29/03/2012	26/04/2012	669.25	10.34	5.40	0.50
Apr-11	29/03/2012	26/04/2012	668.75	15.78	8.24	0.77
Apr-13	03/04/2012	25/04/2012	527.67	21.30	11.12	0.82
Apr-14	30/03/2012	30/04/2012	741.58	18.85	9.84	1.02
Apr-15	30/03/2012	25/04/2012	619.83	28.59	14.92	1.29
Apr-16	30/03/2012	25/04/2012	619.92	9.50	4.96	0.43
Apr-17	30/03/2012	30/04/2012	741.58	18.87	9.85	1.02
Apr-18	30/03/2012	25/04/2012	622.75	21.85	11.40	0.99
Apr-12 Travel Blank			744.00	0.30	0.15	0.02
Lab Blank			741.58	0.80	0.42	0.043

Comment: Results are not blank subtracted

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

Overall M.O.U 7.8% +/-

Tube Preparation : 50% TEA /Acetone Analysed on UV04 Camspec M550

Limit of Detection 0.060 μgNO_2

Analyst Name B. Gregory

Date of Analysis 11/05/2012

Date of Report 14/05/2012

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.

REPORT OFFICIALLY CHECKED

Gradko International Ltd
This signature confirms the authenticity of these results
Signed.....*L. Gates*.....
L. Gates, Laboratory Supervisor