

## LABORATORY ANALYSIS REPORT

### NITROGEN DIOXIDE IN DIFFUSION TUBES BY U.V.SPECTROPHOTOMETRY

**REPORT NUMBER** M04080R  
**BOOKING IN REFERENCE** M04080  
**DESPATCH NOTE** 29986  
**CUSTOMER** Tewkesbury Borough Council Attn: Kath Henly  
Environmental Health Dept.  
Gloucester Road  
Tewkesbury 'A'  
Gloucestershire  
GL20 5TT

**DATE SAMPLES RECEIVED** 06/06/2018

Location	Sample Number	Exposure Data		Time (hr.)	µg/m <sup>3</sup> *	ppb *	TOTAL µg NO <sub>2</sub>
		Date On	Date Off				
18/4/(3)1N	1120447	29/03/2018	01/05/2018	792.00	31.91	16.66	1.84
18/4/(3)2N	1120448	29/03/2018	01/05/2018	792.00	19.65	10.25	1.13
18/4/5N	1120449	29/03/2018	01/05/2018	792.00	23.37	12.20	1.35
18/4/6N	1120450	29/03/2018	01/05/2018	792.00	27.90	14.56	1.61
18/4/14N	1120451	29/03/2018	04/05/2018	864.00	22.96	11.99	1.44
18/4/15N	1120452	29/03/2018	04/05/2018	864.00	28.81	15.04	1.81
18/4/16N	1120453	29/03/2018	04/05/2018	864.00	26.07	13.61	1.64
18/4/20N	1120454	29/03/2018	03/05/2018	840.00	7.27	3.80	0.44
18/4/35N	1120455	29/03/2018	01/05/2018	792.00	33.30	17.38	1.92
18/4/37N	1120456	29/03/2018	01/05/2018	792.00	22.67	11.83	1.31
18/4/38N	1120457	29/03/2018	01/05/2018	792.00	24.20	12.63	1.39
18/4/41N	1120458	29/03/2018	01/05/2018	792.00	31.74	16.57	1.83
18/4/47N	1120459	29/03/2018	01/05/2018	792.00	30.56	15.95	1.76
18/4/50N	1120460	29/03/2018	03/05/2018	840.00	27.50	14.35	1.68
18/4/52N	1120461	29/03/2018	04/05/2018	864.00	24.11	12.58	1.51
18/4/53N	1120462	29/03/2018	03/05/2018	840.00	21.65	11.30	1.32
Not On Sheet "18/4/Blank" Written on tube.	1136263			864.00	0.48	0.25	0.03
Laboratory Blank				864.00	0.37	0.19	0.023

**Comment: Results are not blank subtracted**

**Tube 1136263 was received but not listed on the exposure sheet. Maximum exposure time was used.**

**Tubes 1120463 & 1120464 were not received for analysis.**

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

**Overall M.U.** ±9.7% **Limit of Detection** 0.043µgNO<sub>2</sub>

**Tube Preparation :** 50% TEA /Acetone **Analysed on** UV CARY1

**Analyst Name** Amber Silvester **Report Checked By** Adam Robinson

**Date of Analysis** 12/06/2018 **Date of Report** 12/06/2018

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. This report is not to be reproduced, except in full, without the written permission of Gradko International Ltd.

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This signature confirms the authenticity of these results  
Signed.....  
L. Gates, Laboratory Manager

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

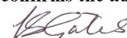
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Form LQF32b Issue 7 – Oct 2016

Report Number M04080R

Page 2 of 2

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