

LABORATORY ANALYSIS REPORT

NITROGEN DIOXIDE IN DIFFUSION TUBES BY U.V.SPECTROPHOTOMETRY

REPORT NUMBER M05142R
BOOKING IN REFERENCE M05142
DESPATCH NOTE 29987
CUSTOMER Tewkesbury Borough Council Attn: Kath Henly
Environmental Health Dept.
Gloucester Road
Tewkesbury 'A'
Gloucestershire
GL20 5TT

DATE SAMPLES RECEIVED 13/07/2018

Location	Sample Number	Exposure Data		Time (hr.)	$\mu\text{g}/\text{m}^3$ *	ppb *	TOTAL $\mu\text{g NO}_2$
		Date On	Date Off				
Scrivens 131 High St	1168147	05/06/2018	06/07/2018	744.75	28.40	14.82	1.54
43 Oldbury Rd, Tewkesbury	1168148	05/06/2018	06/07/2018	744.75	19.18	10.01	1.04
Kellands 13-14 Barton St	1168149	05/06/2018	06/07/2018	744.50	27.35	14.28	1.48
Age Concern 14 High St	1168150	05/06/2018	06/07/2018	744.75	26.51	13.84	1.44
69 Sussex Gardens Hucclecote	1168151	04/06/2018	06/07/2018	766.50	24.63	12.85	1.37
153 Withybridge Gardens Boddington	1168153	04/06/2018	06/07/2018	766.50	28.09	14.66	1.57
Snowhill Hill Farm Snowhill	1168154	06/06/2018	05/07/2018	690.75	4.60	2.40	0.23
Store 21 (formally M&S) High Street	1168155	05/06/2018	06/07/2018	744.50	30.90	16.13	1.67
The Cross, Tewkesbury	1168156	05/06/2018	06/07/2018	744.50	22.99	12.00	1.24
Sandford 38 High Street	1168157	05/06/2018	06/07/2018	744.75	21.69	11.32	1.17
Tackle Shop 31 Barton St	1168158	05/06/2018	06/07/2018	744.75	39.06	20.38	2.11
65 Barton St	1168159	05/06/2018	06/07/2018	744.75	25.64	13.38	1.39
Sue Ryder Care, 3 North St	1168160	06/06/2018	05/07/2018	690.75	21.65	11.30	1.09
43 Stocken Close Hucclecote	1168161	04/06/2018	06/07/2018	766.50	23.52	12.27	1.31
Ashchurch View Ashchurch Road	1168162	06/06/2018	05/07/2018	689.25	25.21	13.16	1.26
Stoke Road, Bishops Cleeve	1168163	04/06/2018	06/07/2018	766.50	13.73	7.17	0.77
Blank	1168164			766.50	0.16	0.08	0.01
Not on Sheet	1136251			766.50	35.31	18.43	1.97
Laboratory Blank				766.50	0.39	0.21	0.022

Comment: Results are not blank subtracted

Tube 1168152 was not received for analysis.

Tube 1136251 was received but not listed on the exposure sheet. Maximum exposure time was used.

Tube 1168162 contained a spider & nest, insect, web or earwig. Result may be compromised.

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

Overall M.U. $\pm 9.7\%$

Tube Preparation : 50% TEA /Acetone

Analyst Name Amber Silvester

Date of Analysis 24/07/2018

Limit of Detection 0.043 μgNO_2

Analysed on UV CARY1

Report Checked By Adam Robinson

Date of Report 24/07/2018

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

Samples have been tested within the scope of Gradko International Ltd. Laboratory Quality Procedures. Data provided by the client and any subsequent calculations shall be indicated by an asterisk (*), these calculations and results are not within the scope of our UKAS accreditation. The results within this report relate only to the items tested. Any queries concerning 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.

Form LQF32b Issue 8 – June 2018

Report Number M05142R

Page 1 of 1

REPORT OFFICIALLY CHECKED

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