

LABORATORY ANALYSIS REPORT

NITROGEN DIOXIDE IN DIFFUSION TUBES BY U.V.SPECTROPHOTOMETRY

REPORT NUMBER L07851R
BOOKING IN REFERENCE L07851
DESPATCH NOTE 29980
CUSTOMER Tewkesbury Borough Council Attn: Kath Henly
 Environmental Health Dept.
 Gloucester Road
 Tewkesbury 'A'
 Gloucestershire
 GL20 5TT

DATE SAMPLES RECEIVED 03/11/2017

| Location | Sample Number | Exposure Data | | Time (hr.) | $\mu\text{g}/\text{m}^3$ * | ppb * | TOTAL $\mu\text{g NO}_2$ |
|---|---------------|---------------|------------|------------|----------------------------|-------|--------------------------|
| | | Date On | Date Off | | | | |
| 43 Oldbury Rd, Tewkesbury | 1012662 | 28/09/2017 | 31/10/2017 | 792.25 | 17.00 | 8.87 | 0.98 |
| Kellands 13-14 Barton St | 1012663 | 28/09/2017 | 31/10/2017 | 792.25 | 22.19 | 11.58 | 1.28 |
| Age Concern 14 High St 69 Sussex Gardens Hucclecote | 1012664 | 28/09/2017 | 31/10/2017 | 792.00 | 28.46 | 14.85 | 1.64 |
| 1012665 | 27/09/2017 | 30/10/2017 | 792.00 | 26.65 | 13.91 | 1.53 | |
| Comus Bamfurlong Lane 15 Withybridge Gardens Boddington | 1012666 | 27/09/2017 | 30/10/2017 | 792.50 | 31.53 | 16.46 | 1.82 |
| 1012667 | 27/09/2017 | 30/10/2017 | 792.50 | 24.08 | 12.57 | 1.39 | |
| Snowhill Hill Farm Snowhill Store 21 (formally M&S) High Street | 1012668 | 27/09/2017 | 01/11/2017 | 839.50 | 4.67 | 2.44 | 0.29 |
| 1012669 | 28/09/2017 | 31/10/2017 | 792.25 | 34.81 | 18.17 | 2.00 | |
| The Cross, Tewkesbury sandford 38 High Street | 1012670 | 28/09/2017 | 31/10/2017 | 792.00 | 21.02 | 10.97 | 1.21 |
| 1012671 | 28/09/2017 | 31/10/2017 | 792.25 | 25.23 | 13.17 | 1.45 | |
| Tackle Shop 31 Barton St 65 Barton St | 1012672 | 28/09/2017 | 31/10/2017 | 792.25 | 31.89 | 16.65 | 1.84 |
| 1012673 | 28/09/2017 | 31/10/2017 | 792.25 | 28.99 | 15.13 | 1.67 | |
| Sue Ryder Care, 3 North St | 1012674 | 27/09/2017 | 01/11/2017 | 839.50 | 19.16 | 10.00 | 1.17 |
| 43 Stocken Close Hucclecote Ashchurch View Ashchurch Road | 1012675 | 27/09/2017 | 30/10/2017 | 790.00 | 24.61 | 12.85 | 1.41 |
| 1012676 | 27/09/2017 | 01/11/2017 | 839.50 | 22.22 | 11.60 | 1.36 | |
| Stoke Road, Bishops Cleeve | 1012677 | 27/09/2017 | 30/10/2017 | 791.50 | 20.81 | 10.86 | 1.20 |
| Blank | 1012678 | | | 839.50 | 0.45 | 0.23 | 0.03 |
| Laboratory Blank | | | | 839.50 | 0.52 | 0.27 | 0.032 |

Comment: Results are not blank subtracted

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

Overall M.U. $\pm 7.8\%$

Limit of Detection 0.060 μgNO_2

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

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Analysed
on UV04
Camspec
M550

Tube Preparation : 50% TEA /Acetone

Analyst Name

Oliver Branchflower

Report Checked By

Duncan
Wilson

Date of Analysis

15/11/2017

Date of Report

15/11/2017

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

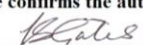
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