

LABORATORY ANALYSIS REPORT

NITROGEN DIOXIDE IN DIFFUSION TUBES BY U.V.SPECTROPHOTOMETRY

REPORT NUMBER N07513R
BOOKING IN REFERENCE N07513
DESPATCH NOTE 70181

CUSTOMER Tewkesbury Borough Council Attn: Kath Henly
Environmental Health Dept.
Gloucester Road
Tewkesbury 'A'
Gloucestershire
GL20 5TT

DATE SAMPLES RECEIVED 07/10/2019

| Location | Sample Number | Exposure Data | | Time* (hr.) | µg/m ³ * | ppb * | µg NO ₂ on tube |
|-------------------------------------|---------------|---------------|------------|-------------|---------------------|-------|----------------------------|
| | | Date On* | Date Off* | | | | |
| Scrivens 131 High St | 1416296 | 05/09/2019 | 01/10/2019 | 624.25 | 27.93 | 14.58 | 1.27 |
| Kellands 13-14 Barton St | 1416298 | 05/09/2019 | 01/10/2019 | 624.25 | 23.47 | 12.25 | 1.07 |
| Age Concern 14 High St | 1416299 | 05/09/2019 | 01/10/2019 | 624.25 | 29.91 | 15.61 | 1.36 |
| 69 Sussex Gardens Hucclecote | 1416300 | 03/09/2019 | 03/10/2019 | 716.00 | 11.43 | 5.97 | 0.60 |
| Comus Bamfurlong Lane | 1416301 | 03/09/2019 | 03/10/2019 | 716.00 | 22.48 | 11.73 | 1.17 |
| 15 Withybridge Gardens Boddington | 1416302 | 03/09/2019 | 03/10/2019 | 716.50 | 24.46 | 12.77 | 1.27 |
| Snowhill Hill Farm Snowhill | 1416303 | 03/09/2019 | 03/10/2019 | 716.50 | 5.68 | 2.97 | 0.30 |
| Store 21 (formally M&S) High Street | 1416304 | 05/09/2019 | 01/10/2019 | 624.25 | 35.77 | 18.67 | 1.62 |
| The Cross, Tewkesbury | 1416305 | 05/09/2019 | 01/10/2019 | 624.25 | 25.61 | 13.37 | 1.16 |
| Sanford 38 High St | 1416306 | 05/09/2019 | 01/10/2019 | 624.25 | 25.19 | 13.15 | 1.14 |
| Tackle Shop 31 Barton St | 1416307 | 05/09/2019 | 01/10/2019 | 624.25 | 33.59 | 17.53 | 1.52 |
| 65 Barton St | 1416308 | 05/09/2019 | 01/10/2019 | 624.25 | 28.56 | 14.91 | 1.30 |
| Sue Ryder Care, 3 North St | 1416309 | 03/09/2019 | 03/10/2019 | 716.50 | 21.66 | 11.31 | 1.13 |
| 43 Stocken Close Hucclecote | 1416310 | 03/09/2019 | 03/10/2019 | 716.00 | 20.81 | 10.86 | 1.08 |
| Ashchurch View Ashchurch Road | 1416311 | 03/09/2019 | 03/10/2019 | 716.50 | 21.85 | 11.41 | 1.14 |
| Stoke Road, Bishops Cleeve | 1416312 | 03/09/2019 | 03/10/2019 | 716.50 | 17.65 | 9.21 | 0.92 |
| Not on Sheet | 1430774 | | | 716.50 | <0.77 | <0.40 | <0.040 |
| Not on Sheet | 1430790 | | | 716.50 | <0.77 | <0.40 | <0.040 |
| Laboratory Blank | | | | 716.50 | 0.33 | 0.17 | 0.017 |

Comment: Results are not blank subtracted

Results reported as <0.040 are below the reporting limit.

Tubes 1416297 & 1416313 were not received for analysis.

Tubes 1430774 & 1430790 were received but not listed on the exposure sheet. Maximum exposure times were used.

Tube 1416300 contained water droplets. Result may be compromised.

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

Overall M.U. ±9.7%

Tube Preparation: 50% TEA /Acetone

Analyst Name Molly Bevan

Date of Analysis 16/10/2019

Limit of Detection 0.040µgNO₂

Analysed on UV CARY2

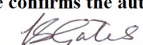
Report Checked By Amber Silvester

Date of Report 16/10/2019

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. Results within this report relate only to samples as received. 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. 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.

REPORT OFFICIALLY CHECKED

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