

LABORATORY ANALYSIS REPORT

NITROGEN DIOXIDE IN DIFFUSION TUBES BY U.V.SPECTROPHOTOMETRY

REPORT NUMBER N00007R
BOOKING IN REFERENCE N00007
DESPATCH NOTE 29993
CUSTOMER Tewkesbury Borough Council Attn: Kath Henly
 Environmental Health Dept.
 Gloucester Road
 Tewkesbury 'A'
 Gloucestershire
 GL20 5TT

DATE SAMPLES RECEIVED 18/12/2018

Location	Sample Number	Exposure Data		Time (hr.)	µg/m ³ *	ppb *	µg NO ₂ on tube
		Date On	Date Off				
18/11/(3)1N	1235597	02/11/2018	07/12/2018	844.00	36.70	19.15	2.25
18/11/(3)2N	1235598	02/11/2018	07/12/2018	844.00	25.92	13.53	1.59
18/11/5N	1235599	02/11/2018	07/12/2018	844.00	25.33	13.22	1.55
18/11/6N	1235600	02/11/2018	07/12/2018	844.00	28.66	14.96	1.76
18/11/14N	1235601	31/10/2018	05/12/2018	840.00	27.55	14.38	1.68
18/11/15N	1235602	31/10/2018	05/12/2018	840.00	29.39	15.34	1.79
18/11/16N	1235603	31/10/2018	05/12/2018	840.00	21.83	11.40	1.33
18/11/20N	1235604	02/11/2018	07/12/2018	840.50	10.39	5.43	0.64
18/11/35N	1235605	02/11/2018	07/12/2018	844.00	33.91	17.70	2.08
18/11/37N	1235606	02/11/2018	07/12/2018	844.00	23.95	12.50	1.47
18/11/38N	1235607	02/11/2018	07/12/2018	843.75	26.14	13.64	1.60
18/11/41N	1235608	02/11/2018	07/12/2018	843.50	32.80	17.12	2.01
18/11/47N	1235609	02/11/2018	07/12/2018	843.50	32.20	16.81	1.97
18/11/50N	1235610	02/11/2018	07/12/2018	839.50	24.34	12.70	1.49
18/11/52N	1235611	31/10/2018	05/12/2018	840.25	21.01	10.97	1.28
18/11/53N	1235612	02/11/2018	07/12/2018	842.50	18.54	9.67	1.14
18/11/55N	1235613	31/10/2018	05/12/2018	840.25	21.75	11.35	1.33
18/11/blank	1235614			844.00	0.20	0.10	0.01
Laboratory Blank				844.00	0.21	0.11	0.013

Comment: Results are not blank subtracted

Tube 1235612 contained a spider. 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 Agata Szymonik

Date of Analysis 04/01/2019

Limit of Detection 0.037µgNO₂

Analysed on UV CARY3

Report Checked By Adam Robinson

Date of Report 04/01/2019

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. 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.



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