

LABORATORY ANALYSIS REPORT

NITROGEN DIOXIDE IN DIFFUSION TUBES BY U.V.SPECTROPHOTOMETRY

REPORT NUMBER M01987R
BOOKING IN REFERENCE M01987
DESPATCH NOTE 29984
CUSTOMER Tewkesbury Borough Council Attn: Kath Henly
Environmental Health Dept.
Gloucester Road
Tewkesbury 'A'
Gloucestershire
GL20 5TT

DATE SAMPLES RECEIVED 07/03/2018

Location	Sample Number	Exposure Data		Time (hr.)	µg/m ³ *	ppb *	TOTAL µg NO ₂
		Date On	Date Off				
18/2/(3)1N	1080404	01/02/2018	27/02/2018	624.00	33.79	17.64	1.53
18/2/(3)2N	1080405	01/02/2018	27/02/2018	624.00	24.62	12.85	1.12
18/2/5N	1080406	01/02/2018	27/02/2018	624.00	28.97	15.12	1.31
18/2/6N	1080407	01/02/2018	27/02/2018	624.00	26.34	13.75	1.19
18/2/14N	1080408	31/01/2018	01/03/2018	692.00	31.19	16.28	1.57
18/2/15N	1080409	31/01/2018	01/03/2018	691.50	29.65	15.48	1.49
18/2/16N	1080410	31/01/2018	01/03/2018	691.50	29.30	15.29	1.47
18/2/20N	1080411	31/01/2018	26/02/2018	623.75	10.50	5.48	0.48
18/2/35N	1068399	05/01/2018	27/02/2018	1271.75	31.41	16.39	2.90
18/2/37N	1080413	01/02/2018	27/02/2018	624.00	27.05	14.12	1.23
18/2/38N	1080414	01/02/2018	27/02/2018	624.00	26.14	13.64	1.19
18/2/41N	1080415	01/02/2018	27/02/2018	624.25	37.49	19.57	1.70
18/2/47N	1080416	01/02/2018	27/02/2018	624.25	30.97	16.16	1.41
18/2/50N	1080417	31/01/2018	26/02/2018	624.00	30.01	15.66	1.36
18/2/52N	1080418	31/01/2018	01/03/2018	692.00	26.24	13.70	1.32
18/2/53N	1080419	31/01/2018	26/02/2018	624.00	25.03	13.06	1.14
18/2/55N	1080420	31/01/2018	01/03/2018	691.75	25.11	13.11	1.26
18/2/Blank	1080421			1271.75	1.38	0.72	0.13
Laboratory Blank				1271.75	0.17	0.09	0.016

Comment: Results are not blank subtracted

Tube 1068399 was exposed for longer than the recommended time. Result may be compromised

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

Overall M.U. ±7.8%

Tube Preparation : 50% TEA /Acetone

Analyst Name Toni Attrill

Date of Analysis 22/03/2018

Limit of Detection 0.060µgNO₂

Analysed on UV04 Camspec M550

Report Checked By Adam Robinson

Date of Report 22/03/2018

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

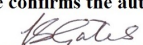
The Diffusion Tubes have been tested within the scope of Gradko International Ltd. Laboratory Quality Procedures calculations and assessments involving the exposure procedures and periods provided by the client are not within the scope of our UKAS accreditation. Those results obtained using exposure 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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REPORT OFFICIALLY CHECKED

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