

LABORATORY ANALYSIS REPORT

NITROGEN DIOXIDE IN DIFFUSION TUBES BY U.V.SPECTROPHOTOMETRY

REPORT NUMBER L07306R
BOOKING IN REFERENCE L07306
DESPATCH NOTE 29979
CUSTOMER Tewkesbury Borough Council Attn: Kath Henly
Environmental Health Dept.
Gloucester Road
Tewkesbury 'A'
Gloucestershire
GL20 5TT

DATE SAMPLES RECEIVED 12/10/2017

Location	Sample Number	Exposure Data			µg/m ³ *	ppb *	TOTAL µg NO ₂
		Date On	Date Off	Time (hr.)			
17/09/(3)2N	1001053	30/08/2017	28/09/2017	696.25	16.69	8.71	0.84
17/09/5N	1001054	30/08/2017	28/09/2017	696.25	22.36	11.67	1.13
17/09/6N	1001055	30/08/2017	28/09/2017	696.25	27.99	14.61	1.42
17/09/14N	1001056	31/08/2017	27/09/2017	647.25	21.00	10.96	0.99
17/09/15N	1001057	31/08/2017	27/09/2017	647.00	17.24	9.00	0.81
17/09/16N	1001058	31/08/2017	27/09/2017	647.00	25.45	13.28	1.20
17/09/20N	1001059	31/08/2017	27/09/2017	649.00	9.04	4.72	0.43
17/09/35N	1001060	30/08/2017	25/09/2017	624.25	34.94	18.24	1.59
17/09/37N	1001061	01/09/2017	28/09/2017	642.00	17.84	9.31	0.83
17/09/38N	1001062	30/08/2017	28/09/2017	696.00	23.70	12.37	1.20
17/09/41N	1001063	30/08/2017	28/09/2017	696.50	32.34	16.88	1.64
17/09/47N	1001064	31/08/2017	28/09/2017	672.25	27.20	14.20	1.33
17/09/50N	1001065	31/08/2017	27/09/2017	648.75	19.91	10.39	0.94
17/09/54N	1001066	31/08/2017	27/09/2017	647.25	20.53	10.71	0.97
17/09/53N	1001067	31/08/2017	27/09/2017	647.75	20.95	10.93	0.99
17/09/54N	1001068	31/08/2017	27/09/2017	647.25	23.11	12.06	1.09
17/09/BLANK	1001069			696.50	2.20	1.15	0.11
Laboratory Blank				696.50	0.06	0.03	0.003

Comment: Results are not blank subtracted

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 30/10/2017

Limit of Detection 0.035 µgNO₂

Analysed on UV08 Camspec M550

Report Checked By Adam Robinson

Date of Report 30/10/2017

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.

Form LQF32b Issue 7 – Oct 2016

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REPORT OFFICIALLY CHECKED

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