

LABORATORY ANALYSIS REPORT

NITROGEN DIOXIDE IN DIFFUSION TUBES BY U.V.SPECTROPHOTOMETRY

REPORT NUMBER L01195R
BOOKING IN REFERENCE L01195
DESPATCH NOTE 29968
CUSTOMER Tewkesbury Borough Council Attn: Kath Henly
Environmental Health Dept.
Gloucester Road
Tewkesbury 'A'
Gloucestershire
GL20 5TT

DATE SAMPLES RECEIVED 09/02/2017
JOB REFERENCE CS23866

Location	Sample Number	Exposure Data		Time (hr.)	$\mu\text{g}/\text{m}^3$ *	ppb *	TOTAL $\mu\text{g NO}_2$
		Date On	Date Off				
17/01/(3)1N	819668	05/01/2017	30/01/2017	598.50	41.13	21.46	1.79
17/01/(3)2N	819669	05/01/2017	30/01/2017	598.75	31.38	16.38	1.37
17/01/5N	819670	05/01/2017	30/01/2017	598.75	34.82	18.17	1.52
17/01/6N	819671	05/01/2017	30/01/2017	598.75	39.50	20.61	1.72
17/01/14N	819672	04/01/2017	30/01/2017	619.50	34.48	17.99	1.55
17/01/15N	819673	10/01/2017	30/01/2017	479.00	30.30	15.82	1.06
17/01/16N	819674	04/01/2017	30/01/2017	620.75	28.58	14.92	1.29
17/01/20N	819684	04/01/2017	30/01/2017	623.50	12.73	6.64	0.58
17/01/35N	819675	05/01/2017	30/01/2017	598.75	47.05	24.55	2.05
17/01/37N	819676	05/01/2017	30/01/2017	598.75	36.44	19.02	1.59
17/01/38N	819685	05/01/2017	30/01/2017	598.50	37.05	19.34	1.61
17/01/41N	819677	05/01/2017	30/01/2017	598.75	46.87	24.46	2.04
17/01/47N	819686	05/01/2017	30/01/2017	598.75	37.66	19.65	1.64
17/01/50N	819679	04/01/2017	30/01/2017	623.50	30.07	15.69	1.36
17/01/52N	819687	04/01/2017	30/01/2017	619.50	32.22	16.82	1.45
17/01/53N	819680	04/01/2017	30/01/2017	623.50	35.75	18.66	1.62
17/01/54N	819682	04/01/2017	30/01/2017	620.00	27.48	14.34	1.24
17/01/Blank	819683			623.50	0.40	0.21	0.02
Laboratory Blank				623.50	0.09	0.05	0.004

Comment: Results are not blank subtracted

Tubes 819687, 819677, 8219682 contained water droplets. Result may be compromised.

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

Overall M.U. $\pm 7.8\%$ Limit of Detection 0.035 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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Signed.....
L. Gates, Laboratory Manager

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Analysed
on UV08
Camspec
M550

Tube Preparation : 50% TEA /Acetone

Analyst Name

Joanna Kowalewska

Report Checked By

Duncan
Wilson

Date of Analysis

16/02/2017

Date of Report

17/02/2017

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

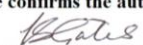
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