

LABORATORY ANALYSIS REPORT

NITROGEN DIOXIDE IN DIFFUSION TUBES BY U.V.SPECTROPHOTOMETRY

REPORT NUMBER M07957R
BOOKING IN REFERENCE M07957
DESPATCH NOTE 29992
CUSTOMER Tewkesbury Borough Council Attn: Kath Henly
 Environmental Health Dept.
 Gloucester Road
 Tewkesbury 'A'
 Gloucestershire
 GL20 5TT

DATE SAMPLES RECEIVED 08/11/2018

Location	Sample Number	Exposure Data		Time (hr.)	µg/m ³ *	ppb *	TOTAL µg NO ₂
		Date On	Date Off				
18/10/(3)1N	1204833	05/10/2018	02/11/2018	669.00	36.69	19.15	1.78
18/10/(3)2N	1204834	05/10/2018	02/11/2018	669.25	24.18	12.62	1.18
18/10/5N	1204835	05/10/2018	02/11/2018	669.00	31.34	16.36	1.52
18/10/6N	1204836	05/10/2018	02/11/2018	669.00	31.67	16.53	1.54
18/10/14N	1204837	05/10/2018	31/10/2018	624.00	40.75	21.27	1.85
18/10/16N	1204839	05/10/2018	31/10/2018	624.00	26.81	13.99	1.22
18/10/20N	1204840	03/10/2018	31/10/2018	670.50	7.24	3.78	0.35
18/10/35N	1204841	05/10/2018	02/11/2018	669.00	36.63	19.12	1.78
18/10/37N	1204842	05/10/2018	02/11/2018	669.00	28.20	14.72	1.37
18/10/38N	1204843	05/10/2018	02/11/2018	669.00	32.80	17.12	1.60
18/10/41N	1204844	05/10/2018	02/11/2018	669.50	38.43	20.06	1.87
18/10/47N	1204845	05/10/2018	02/11/2018	669.50	30.60	15.97	1.49
18/10/50N	1204846	03/10/2018	02/11/2018	719.50	23.00	12.01	1.20
18/10/52N	1204847	05/10/2018	31/10/2018	624.00	28.29	14.76	1.28
18/10/53N	1204848	03/10/2018	02/11/2018	717.25	31.00	16.18	1.62
18/9/55N	1221547	06/09/2018	31/10/2018	1325.50	20.24	10.56	1.95
18/10/BLANK	1204850			719.50	0.10	0.05	0.01
Laboratory Blank				719.50	0.21	0.11	0.011

Comment: Results are not blank subtracted

Tube 1221547 was exposed for longer than the recommended time. Result may be compromised.

Tube 1204838 was not received for analysis.

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

Overall M.U. ±9.7%

Tube Preparation : 50% TEA /Acetone

Analyst Name Chris Andrew

Date of Analysis 21/11/2018

Limit of Detection 0.040µgNO₂

Analysed on UV CARY2

Report Checked By Adam Robinson

Date of Report 21/11/2018

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

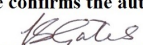
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Form LQF32b Issue 8 – June 2018

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REPORT OFFICIALLY CHECKED

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