

St. Martins House, 77 Wales Street Winchester, Hampshire SO23 0RH
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LABORATORY ANALYSIS REPORT

NITROGEN DIOXIDE IN DIFFUSION TUBES BY U.V.SPECTROPHOTOMETRY

REPORT NUMBER F 5476R
BOOKING IN REFERENCE No F 5476
DESPATCH NOTE No SOR 009246

CUSTOMER South Holland District Council
Council Offices, Priory Road
Spalding, Lincolnshire PE11 2XE

DATE SAMPLES RECEIVED 05/09/2012

Tube Number	Exposure Data			µg/m ³ *	ppb *	TOTAL
	Date On	Date Off	Time (hr.)			µG NO ₂
Aug-12						
022973 01	02/08/2012	29/08/2012	642.67	11.11	5.80	0.52
022974 02	02/08/2012	29/08/2012	649.75	9.59	5.01	0.45
022975 03	01/08/2012	29/08/2012	667.58	14.24	7.43	0.69
022976 04	02/08/2012	29/08/2012	649.75	9.21	4.81	0.44
022977 05	31/07/2012	28/08/2012	672.83	14.54	7.59	0.71
022978 06	02/08/2012	29/08/2012	649.75	18.38	9.59	0.87
022979 07	02/08/2012	29/08/2012	649.75	19.42	10.13	0.92
022980 08	02/08/2012	29/08/2012	647.17	9.42	4.92	0.44
022981 09	02/08/2012	29/08/2012	647.17	9.25	4.83	0.44
022982 10	02/08/2012	29/08/2012	647.17	8.91	4.65	0.42
022963 11	02/08/2012	29/08/2012	647.50	20.10	10.49	0.95
022965 13	31/07/2012	28/08/2012	671.08	25.57	13.34	1.25
022966 14	02/08/2012	29/08/2012	649.50	22.16	11.56	1.05
022967 15	31/07/2012	28/08/2012	671.08	27.56	14.38	1.34
022968 16	31/07/2012	28/08/2012	672.83	11.94	6.23	0.58
022969 17	01/08/2012	29/08/2012	666.67	24.44	12.75	1.18
022970 18	31/07/2012	28/08/2012	672.25	21.20	11.07	1.04
022964 12 Travel Blank			672.83	0.47	0.25	0.02
Lab Blank			672.83	0.67	0.35	0.033

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

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Comment: Results are not blank subtracted

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

Overall M.O.U 5.2% +/-

Tube Preparation: 50% TEA /Acetone Analysed on UV05 Camspec M550

Limit of Detection 0.07µgNO₂

Analyst Signature

Analyst Name M. Witek

Date of Analysis 11/09/2012

Date of Report 11/09/2012

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


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