

LABORATORY ANALYSIS REPORT

NITROGEN DIOXIDE IN DIFFUSION TUBES BY U.V. SPECTROPHOTOMETRY

REPORT NUMBER 44410
BOOKING IN REFERENCE No E 2197
CUSTOMER South Holland District Council
Council Offices, Priory Road
Spalding, Lincolnshire PE11 2XE
DATE SAMPLES RECEIVED 04/05/2011

Apr-11	Exposure Data				TOTAL	
Tube Number	Date On	Date Off	Time (hr.)	µg/m ³ *	ppb *	µG NO ₂
1	29/03/2011	27/04/2011	697.83	11.83	6.17	0.60
2	01/04/2011	28/04/2011	648.33	10.63	5.55	0.50
3	01/04/2011	28/04/2011	650.08	14.20	7.41	0.67
4	31/03/2011	28/04/2011	672.50	9.25	4.83	0.45
5	31/03/2011	27/04/2011	645.42	17.59	9.18	0.83
6	01/04/2011	28/04/2011	648.30	23.96	12.51	1.13
7	01/04/2011	28/04/2011	648.33	18.00	9.39	0.85
8	01/04/2011	28/04/2011	648.17	10.32	5.38	0.49
9	01/04/2011	28/04/2011	648.17	10.57	5.52	0.50
10	01/04/2011	28/04/2011	648.17	11.38	5.94	0.54
11	01/04/2011	28/04/2011	648.33	21.52	11.23	1.01
13	31/03/2011	27/04/2011	644.08	22.94	11.97	1.07
14	01/04/2011	28/04/2011	648.50	23.89	12.47	1.13
15	31/03/2011	27/04/2011	644.08	29.05	15.16	1.36
16	31/03/2011	27/04/2011	644.25	13.73	7.17	0.64
17	31/03/2011	28/04/2011	674.08	20.29	10.59	0.99
18	29/03/2011	27/04/2011	697.33	22.53	11.76	1.14
12 Travel Blank			697.83	1.48	0.77	0.08
Lab Blank			697.83	0.99	0.51	0.050

Comment: Results are not blank subtracted

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

Overall M.O.U.

7.8% +/-

Limit of Detection

0.060µgNO₂

Tube Preparation : 50% TEA /Acetone

Analysed on UVS04 Camspec M550

Analyst Name

P. Hunter

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.

REPORT OFFICIALLY CHECKED

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

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Date of Analysis

06/05/2011

Date of Report

09/05/2011

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


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Signed.....
L. Gates, Laboratory Supervisor