

SR NO: RDKL/APP/2324/SR00041
SR00042
SR00043

Test start date: 09.11.23

Test stop date: 09.11.23

Allocation date: 09.11.23

Parameter: NO₂ (Amb.)

Due date: 11.11.23

Supervisor Name: Md. A. Rafique

RDKL/APP/2324/SR00041, RDKL/APP/2324/SR00042, RDKL/APP/2324/SR00043,

NO₂

Code	Time (mins)	Avg F/R (LPM)	T. sample (ml)	S. taken (ml)	Abs(s)	intercept	slope	Conc. (µg/m ³)	
GN2/L00150	240	1.00	30	10	0.054	0.0039	0.022	34.09	34
GN2/L00151	226	1.00	30	10	0.034	0.0039	0.022	21.75	22
GN2/L00152	240	1.00	30	10	0.03	0.0039	0.022	17.76	18
GN2/L00153	210	1.00	30	10	0.079	0.0039	0.022	58.41	58
GN2/L00154	237	1.00	30	10	0.114	0.0039	0.022	75.87	76
GN2/L00155	208	1.00	30	10	0.086	0.0039	0.022	64.47	64
GN2/L00156	242	1.00	30	10	0.077	0.0039	0.022	49.34	49
GN2/L00157	208	1.00	30	10	0.049	0.0039	0.022	35.41	35
GN2/L00158	241	1.00	30	10	0.058	0.0039	0.022	36.66	37
GN2/L00159	210	1.00	30	10	0.135	0.0039	0.022	101.96	102
GN2/L00160	234	1.00	30	10	0.144	0.0039	0.022	97.79	98
GN2/L00161	222	1.00	30	10	0.115	0.0039	0.022	81.74	82
GN2/L00162	237	1.00	30	10	0.081	0.0039	0.022	53.13	53
GN2/L00163	213	1.00	30	10	0.06	0.0039	0.022	43.02	43
GN2/L00164	240	1.00	30	10	0.08	0.0039	0.022	51.79	52
GN2/L00165	217	1.00	30	10	0.129	0.0039	0.022	94.16	94
GN2/L00166	236	1.00	30	10	0.115	0.0039	0.022	76.89	77
GN2/L00167	213	1.00	30	10	0.122	0.0039	0.022	90.56	91

$$\text{NO}_2 (\mu\text{g}/\text{m}^3) = \frac{\text{Abs} - \text{Intercept}}{\text{Slope}} \times \frac{30000}{10} \times \frac{1}{\text{vol of air} \times 0.082}$$

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11.11.23

Conc.	Abs.(540nm)
0	0.004
1	0.027
2	0.049
3	0.07
4	0.093
5	0.116
10	0.228
slope	0.0224
Intercept	0.0039
correl.	1.0000

