

SR No. : RDKL / APP / 2324 / SR 00044, 45, 46

Test start date : 10/11/23

Test End date : 10/11/23

Allocation Date : 10/11/2023

Parameter : SO₂(amb.)

Due Date : 12/11/2023

Supervisor Name : Md. A. Rafique

RDKL/APP/2324/SR00044, RDKL/APP/2324/SR00045, RDKL/APP/2324/SR00046								
SO ₂								
Code	Time	Avg F/R	T. sample	S. taken	Abs(s)	intercept	slope	Conc. (µg/m ³)
	(mins)	(LPM)	(ml)	(ml)				
Blank			30	10	0.013			BLANK
GS2/L00169	240.00	1.00	30	10	0.014	0.0127	0.0117	<3(BDL)
GS2/L00170	212.00	1.00	30	10	0.014	0.0127	0.0117	<3(BDL)
GS2/L00171	240.00	1.00	30	10	0.014	0.0127	0.0117	<3(BDL)
GS2/L00172	204.00	1.00	30	10	0.016	0.0127	0.0117	4
GS2/L00173	238.00	1.00	30	10	0.016	0.0127	0.0117	4
GS2/L00174	209.00	1.00	30	10	0.014	0.0127	0.0117	<3(BDL)
GS2/L00175	240.00	1.00	30	10	0.015	0.0127	0.0117	<3(BDL)
GS2/L00176	212.00	1.00	30	10	0.013	0.0127	0.0117	<3(BDL)
GS2/L00177	238.00	1.00	30	10	0.014	0.0127	0.0117	<3(BDL)
GS2/L00178	204.00	1.00	30	10	0.016	0.0127	0.0117	4
GS2/L00179	228.00	1.00	30	10	0.014	0.0127	0.0117	<3(BDL)
GS2/L00180	228.00	1.00	30	10	0.014	0.0127	0.0117	<3(BDL)
GS2/L00181	237.00	1.00	30	10	0.014	0.0127	0.0117	<3(BDL)
GS2/L00182	213.00	1.00	30	10	0.015	0.0127	0.0117	<3(BDL)
GS2/L00183	250.00	1.00	30	10	0.015	0.0127	0.0117	<3(BDL)
GS2/L00184	213.00	1.00	30	10	0.016	0.0127	0.0117	4
GS2/L00185	239.00	1.00	30	10	0.018	0.0127	0.0117	6
GS2/L00186	212.00	1.00	30	10	0.017	0.0127	0.0117	5

$$SO_2(\mu g/m^3) = \frac{\text{Abs. Intercept}}{\text{slope}} \times \frac{30000}{10} \times \frac{1}{\text{vol. of air}} \times \frac{1}{0.98}$$

Md. A. Rafique
11/11/2023
11-11-23