



# ENVIRONMENTAL PROTECTION AGENCY GOVERNMENT OF SINDH

PLOT NO. ST-2/1, SECTOR 23, KORANGI INDUSTRIAL AREA, KARACHI.

## Ambient Air Quality Monitoring Report

Ph: 021-35110054

Fixed Ambient Air Quality Monitoring Station.

Ambient Air Quality Monitoring Location: SEPA Head Office, Karachi


Monitoring Date: 27 March, 2018


S.NO	PARAMETERS	TIME hr	CONCENTRATION MEAN VALUE IN PPM	RESULTS	Method	SEQS LIMITS
1	Oxides of Nitrogen as (NO)	24	0.0149	19.55 $\mu\text{g}/\text{m}^3$	Gas phase chemiluminescence	40 $\mu\text{g}/\text{m}^3$
			0.0146			
			0.0143			
2	Oxides of Nitrogen as (NO <sub>2</sub> )	24	0.0250	51.96 $\mu\text{g}/\text{m}^3$	Gas phase chemiluminescence	80 $\mu\text{g}/\text{m}^3$
			0.0253			
			0.0256			
3	Sulphur Dioxide (SO <sub>2</sub> )	24	0.0247	71.14 $\mu\text{g}/\text{m}^3$	Ultraviolet fluorescence	120 $\mu\text{g}/\text{m}^3$
			0.0249			
			0.0251			
4	Carbon Monoxide (CO)	8	0.24	0.30 $\text{mg}/\text{m}^3$	Non dispersive infra red(NDIR)	5 $\text{mg}/\text{m}^3$
5	O <sub>3</sub>	1	0.0077	16.50 $\mu\text{g}/\text{m}^3$	Non dispersive UV absorption	130 $\mu\text{g}/\text{m}^3$
6	Particulate Matter (PM <sub>2.5</sub> )	24	88 $\mu\text{g}/\text{m}^3$	88 $\mu\text{g}/\text{m}^3$	$\beta$ Ray Absorption Method	75 $\mu\text{g}/\text{m}^3$

SEQS Sindh Environmental Quality Standard, the Sindh Govt. Gazette, Part - 1 Ext. Jan. 28, 2017 for Ambient Air.

\*PPM=Parts per million

**Remarks:** The results of Ambient Air Quality Monitoring parameters are within the prescribe values set by SEQs except PM<sub>2.5</sub>.

  
Syed Zeeshan Ali Taqvi  
Lab Assistant-1 EPA  
SEPA, Karachi

  
Fahad Mohammad Khan  
Chemist (Air) SEPA  
SEPA, Karachi