



**ENVIRONMENTAL PROTECTION AGENCY**  
**GOVERNMENT OF SINDH**

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

**Ambient Air Quality Monitoring Report**

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Fixed Ambient Air Quality Monitoring Station.

Ambient Air Quality Monitoring Location: SEPA Head Office, Karachi

Monitoring Date: 4 January, 2018

S.NO	PARAMETERS	TIME hr	CONCENTRATION MEAN VALUE IN PPM	RESULTS	Method	SEQS LIMITS
1	Oxides of Nitrogen as (NO)	24	0.0117	15.67 $\mu\text{g}/\text{m}^3$	Gas phase chemiluminescence	40 $\mu\text{g}/\text{m}^3$
			0.0116			
			0.0119			
2	Oxides of Nitrogen as (NO <sub>2</sub> )	24	0.0182	38.40 $\mu\text{g}/\text{m}^3$	Gas phase chemiluminescence	80 $\mu\text{g}/\text{m}^3$
			0.0188			
			0.0191			
3	Sulphur Dioxide (SO <sub>2</sub> )	24	0.0114	32.86 $\mu\text{g}/\text{m}^3$	Ultraviolet fluorescence	120 $\mu\text{g}/\text{m}^3$
			0.0115			
			0.0117			
4	Carbon Monoxide (CO)	8	0.73	0.91 $\text{mg}/\text{m}^3$	Non dispersive infra red(NDIR)	5 $\text{mg}/\text{m}^3$
5	O <sub>3</sub>	1	0.007	15.53 $\mu\text{g}/\text{m}^3$	Non dispersive UV absorption	130 $\mu\text{g}/\text{m}^3$
6	Particulate Matter (PM -10)	24	<b>291<math>\mu\text{g}/\text{m}^3</math></b>	<b>291 <math>\mu\text{g}/\text{m}^3</math></b>	$\beta$ Ray Absorption Method	150 $\mu\text{g}/\text{m}^3$

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 Particulate Matter (PM-10).

*Fahad M. Khan*

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