



ENVIRONMENTAL PROTECTION AGENCY GOVERNMENT OF SINDH

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

Ambient Air Quality Monitoring Report

Ph: 021-35065946

Fax: 021-3065940

Fixed Ambient Air Quality Monitoring Station.

Ambient Air Quality Monitoring Location: SEPA Head Office, Karachi

Monitoring Date: 23 January, 2018

S.NO	PARAMETERS	TIME hr	CONCENTRATION MEAN VALUE IN PPM	RESULTS	Method	SEQS LIMITS
1	Oxides of Nitrogen as (NO)	24	0.0100	13.79 $\mu\text{g}/\text{m}^3$	Gas phase chemiluminescence	40 $\mu\text{g}/\text{m}^3$
			0.0103			
			0.0106			
2	Oxides of Nitrogen as (NO ₂)	24	0.0258	53.80 $\mu\text{g}/\text{m}^3$	Gas phase chemiluminescence	80 $\mu\text{g}/\text{m}^3$
			0.0262			
			0.0266			
3	Sulphur Dioxide (SO ₂)	24	0.0139	39.14 $\mu\text{g}/\text{m}^3$	Ultraviolet fluorescence	120 $\mu\text{g}/\text{m}^3$
			0.0137			
			0.0135			
4	Carbon Monoxide (CO)	8	3.31	4.14 mg/m^3	Non dispersive infra red(NDIR)	5 mg/m^3
5	O ₃	1	0.0186	39.86 $\mu\text{g}/\text{m}^3$	Non dispersive UV absorption	130 $\mu\text{g}/\text{m}^3$
6	Particulate Matter (PM -10)	24	394 $\mu\text{g}/\text{m}^3$	394$\mu\text{g}/\text{m}^3$	β 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).

Syed Zeeshan Ali Taqvi
Lab Assistant-1 EPA
SEPA Karachi

Fahad Mohammad Khan
Chemist (Air) SEPA
SEPA Karachi