



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: 9 January, 2018

S.NO	PARAMETERS	TIME hr	CONCENTRATION MEAN VALUE IN PPM	RESULTS	Method	SEQS LIMITS
1	Oxides of Nitrogen as (NO)	24	0.0108	13.92 $\mu\text{g}/\text{m}^3$	Gas phase chemiluminescence	40 $\mu\text{g}/\text{m}^3$
			0.0104			
			0.0100			
2	Oxides of Nitrogen as (NO ₂)	24	0.0220	46.21 $\mu\text{g}/\text{m}^3$	Gas phase chemiluminescence	80 $\mu\text{g}/\text{m}^3$
			0.0225			
			0.0230			
3	Sulphur Dioxide (SO ₂)	24	0.0300	84.29 $\mu\text{g}/\text{m}^3$	Ultraviolet fluorescence	120 $\mu\text{g}/\text{m}^3$
			0.0295			
			0.0290			
4	Carbon Monoxide (CO)	8	0.44	0.55 mg/m^3	Non dispersive infra red(NDIR)	5 mg/m^3
5	O ₃	1	0.0089	19.07 $\mu\text{g}/\text{m}^3$	Non dispersive UV absorption	130 $\mu\text{g}/\text{m}^3$
6	Particulate Matter (PM -10)	24	230$\mu\text{g}/\text{m}^3$	230 $\mu\text{g}/\text{m}^3$	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).

Fahad Mohammad Khan
Chemist (Air)
SEPA, Karachi.