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List of Abbreviations

| | |
|-------------------|---|
| µg | Microgram |
| µM | Micromole |
| ABTS | 2,2'-azino-bis(3-ethylbenzthiazoline-6-sulfonic acid) |
| BMI | Body Mass Index |
| BTEX | Benzene, Toluene, Ethyl benzene, Xylene |
| CC16 | Clara Cell Protein 16 Kilo Dalton |
| COPD | Chronic Obstructive Pulmonary Disease |
| CRP | C-Reactive Protein |
| CVD | Cardiovascular Diseases |
| DNA | Deoxyribo Nucleic Acid |
| ECP | Eosinophil Cationic Protien |
| EDTA | Ethylene diamine tetra acetate |
| ELISA | Enzyme Linked Immuno Sorbent Assay |
| FEV | Forced Expiratory Volume |
| fL | Femtolitre |
| FRAC | Ferric Reducing Antioxidant Capacity |
| FVC | Forced Vital Capacity |
| GPx | Glutathione peroxidase |
| ¹ HNMR | Proton Nuclear Magnetic Resonance |
| Hb | Hemoglobin |
| ICAM-1 | Intercellular Adhesion Molecule – 1 |
| IL-6 | Interleukin – 6 |
| IL-8 | Interleukin – 8 |
| LTB ₄ | Leukotriene B ₄ |
| MMEF | Maximum Mid Expiratory Flow |
| MCH | Mean Corpuscular Haemoglobin |
| MCHC | Mean Corpuscular Haemoglobin Concentration |
| MCV | Mean Corpuscular Volume |
| MDA | Malondialdehyde |
| MPO | Myeloperoxidase |

| | |
|-------------------|---|
| MPV | Mean Platelet Volume |
| MVV | Maximum Ventilatory Volume |
| ng | Nanogram |
| nM | Nanomole |
| NO | Nitric Oxide |
| NOx | Total nitrates |
| O ₃ | Ozone |
| PAH | Polycyclic Aromatic Hydrocarbons |
| PCA | Principle Component Analysis |
| PDW | Platelet Distribution Width |
| PEF | Peak Expiratory Flow |
| Pg | Picogram |
| PIF | Peak Inspiratory Flow |
| PL-CR | Platelet Large Cell Ratio |
| PLS-DA | Partial Least Squares – Discriminate Analysis |
| PM | Particulate Matter |
| PM ₁₀ | Coarse Particulate Matter |
| PM _{2.5} | Fine Particulate Matter |
| PVC | Polyvinyl Chloride |
| RBC | Red Blood Cell |
| RDW | Red cell distribution width |
| ROS | Reactive Oxygen Species |
| SOA | Secondary Organic Aerosol |
| SVOC | Semi Volatile Organic Compounds |
| TBARS | Thiobarbituric Acid Reactive Substances |
| TEAC | Trolox Equivalent Antioxidant Capacity |
| UFP | Ultra Fine Particulate Matter |
| UV | Ultra Violet |
| VC | Vital Capacity |
| VOC | Volatile Organic Compound |
| WBC | White Blood Cells |
