Organic Contaminants

SAMPLER DATA:

Kit Type:	**AC13**
Sampler/Kit ID:	**130384**
Test Start (dmy):	**30.12.2019 16:30:00**
Test End (dmy):	**16.01.2020 15:00:00**
Test Length:	**16 days, 22 hours, 30 minutes**

SCOPE:

This test shows the accumulation and deposition rate of organic contaminants collected by the indicator, and is an important indicator of global air cleanliness.

TEST RESULTS:

Accumulation: 2.5193 ug/cm2	Good. The test result is lower than 10 ug/cm2 which is the generally accepted limit for commercial applications.
Deposition Rate: 0.18 years until the limit of 10 ug/cm2 is reached.	Caution. The test result is less than 5 years which is the average life cycle of IT equipment.

INFORMATION:

Contamination can be either organic or inorganic. There are about 20 million different organic compounds about 500,000 compounds that are inorganic.

In many commercial applications, the precision cleanliness level is defined as an organic contaminant level less than 10 µg/cm2. These cleanliness levels are either very desirable or required by the function of parts such as metal devices, machined parts, electronic assemblies, optical and laser components, precision mechanical parts, and computer parts. Since organic compounds include biological contaminants this is an important hygiene marker for health care, food preparation and pharmaceutical industries.

Organic contaminants include: microbials, PCB, dye, humic substances, phenolic compounds, petroleum, surfactants, pesticides, pharmaceuticals, plasticizers, solvents.