POLLUTION
ANALYTICAL EQUIPMENT

Case History

Monitoring of airborne BTEX in industrial areas

Place: Fossil fuels refinery, land decontamination area.

Installation: 2020 – 2021 still on going

Instrument: PyxisGC BTEX

Costumer: LabAnalysis

LabAnalysis
HIGH QUALITY CONTROLS

INTRODUCTION

LabAnalysis offers solutions for monitoring the main air pollutants in order to guarantee both the respect of the goals set by Italian and European legislation and to respond to the request of citizenship wellbeing and environmental protection.

In this sector, they offer air pollution monitoring via fixed stations and mobile laboratory by on-site sample collection and related analysis and reports.

Their services are mainly addressed to industrial plants and waste management facilities managers (landfills, incinerators, waste-to-energy plants etc.) but they are also meant for local administrations or private citizens who want to collect information about air quality.

REQUEST

In order to implement air monitoring in an increasingly efficient way and in line with costumers' needs, LabAnalysis is constantly active in researching partners in the technological innovation field.

In this perspective the partnership with Pollution Analytical Equipment was born, to **apply miniaturised gas chromatography to the gaseous pollutants** directly on-site, especially when a very high space-time resolution, an extreme data reliability and also applicative practicality and versatility are required.

SOLUTION

In order to meet the customers' needs, Pollution Analytical Equipment offers **Pyxis GC BTEX** to lead **monitoring campaign of airborne BTEX**.

Its key features are:

⇒ The opportunity **to get real-time data on-site**; this allows to identify and quantify variations of ambient air concentration in a defined space-time, correlating it to an event or process with greater precision.

⇒ **Analytical data reliability**; field analysis allows to reduce errors and uncertainties associated to data collection since sampling is not required.

⇒ **Portable and easy to use**;

⇒ **Ready to use** in 10 minutes;

⇒ Possibility of using batteries.

CONCLUSIONS

The use of Pyxis GC BTEX has greatly contributed to the implementation of a smart and **reliable monitoring structure**, which represents a new service frontier with a dual purpose:

⇒ To contribute to a eco-friendly management of industrial resources

⇒ To make air monitoring more and more accurate and active in health and environmental protection.

POLLUTION S.r.l.
Via Guizzardi, 52 - 40054 Budrio (Bologna)
Tel. +39 051 6931840 | Fax +39 051 6931818
pollution@pollution.it

www.pollution.it

OI-EN0391-0

Management System ISO 9001:2015
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www.tuv.com
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