Изображение выглядит как объект

Автоматически созданное описание

QUESTIONNAIRE LIST

**for Gas Chromatograph analyzer**

**MAG**

**for laboratory purpose**

|  |  |  |  |
| --- | --- | --- | --- |
| **General Information** | | | |
| Company |  | Date |  |
| Customer’s full name |  | Phone, e-mail |  |
| Questionnaire No. |  | Quantity |  |

To get a technical and commercial proposal fill in this questionnaire and send it to NTF BACS LLC, e-mail: [**kom@bacs.ru**](mailto:kom@bacs.ru) or via fax #: (846) 932-05-71

|  |  |  |  |
| --- | --- | --- | --- |
| **Facility / Laboratory** | |  | |
| **Production or process** | | |  |
| **Purpose of analysis** |  | | |
|  | (for instance, process control, commercial metering, etc.) | | |

# Composition of analyzed fluid

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Item No. | Specify components | Specify detected components | Concentration | | | Units: % v, % mass, mg/m3, ppm |
| Min | Norm | Max |
| 1 |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |
| 5 |  |  |  |  |  |  |
| 6 |  |  |  |  |  |  |
| 7 |  |  |  |  |  |  |
| 8 |  |  |  |  |  |  |
| 9 |  |  |  |  |  |  |
| 10 |  |  |  |  |  |  |
| 11 |  |  |  |  |  |  |
| 12 |  |  |  |  |  |  |

|  |  |
| --- | --- |
| **Analytical duration, minutes** |  |
| **Regulatory document for measurement method** (GOST, STO, MI, RD, etc.) |  |

# Analyzed product properties

|  |  |  |
| --- | --- | --- |
| **Number of analyzed samples** |  | |
| **!***This chromatograph can analyze u to 6* ***gaseous*** *samples from various samplers connected to it, in alternate manner automatically.*  *If more than one sample is analyzed, specify temperature, pressure and components list for each sample.* | | |
| **Analyzed sample switching** | | automatic  manual |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Item No. | Parameter | Min | Norm | Max |
| 1 | Sample operating pressure, MPa |  |  |  |
| 2 | Sample temperature, °С |  |  |  |
| 3 | Water dew point at operating pressure, °С (for gases) |  |  |  |
| 4 | Boiling temperature, °С (for liquids) |  |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Physical state of analyzed product** | |  | | | | |
| **Solids** (size, composition) |  | | | | concentration, mg/m3 |  |
| **Stability:** polymerization, decomposition etc. | | |  | | | |
| **Corrosive components** (acids, sulfur compounds) | | | |  | | |
| Approximate concentration of corrosive components, mg/m3 | | | |  | | |

### Chromatograph installation point

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Location** (fixed-site, mobile laboratory, other) |  | | | | | | |
| **Temperature at chromatograph installation point,** °С | | | Max |  | | Min |  |
| **Air humidity at installation point**, no more than | |  | | | %RH | | |

### Data transmission

|  |  |  |
| --- | --- | --- |
| Additional equipment | personal computer | laptop |

|  |  |  |
| --- | --- | --- |
| Communication interfaces | Ethernet | RS232/485 |
| Wi-Fi | Other: |

|  |  |
| --- | --- |
| Information display and input into chromatograph | Touchscreen LCD |

### Gas feed (available from the Customer)

Instrumentation air pressure, MPa\_\_\_\_\_\_\_\_\_\_\_\_  Hydrogen

Nitrogen  Argon

Helium  Reference gas

**SSRS (state standard reference sample) needed** for calibration  yes  no

### Additional information

|  |  |  |  |
| --- | --- | --- | --- |
| Equipment and components supplied by Customer’s request | | | |
| Samplers | | | Pressure regulator for SSRS  Leak valve from SSRS cylinder  40 l cylinders with carrier gas  Cylinder rack for carrier gas  Cylinder rack for calibration gas  Uninterrupted power supply |
| Type |  |  |  |
| Number, pcs. |  |  |  |
| Volume, l |  |  |  |
| Pressure regulator for samplers  Leak valve for samplers  Microsyringes for liquid sample input | | |  |
| Number, pcs. |  |  |  |
| Volume, mcl |  |  |  |
|  | | |  |

**Specify if the following is necessary:**

* commissioning operations  yes  no
* servicing personnel training  yes  no
* operational maintenance  yes  no
* measurement method development and certification  yes  no

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **SPTA needed** | yes, for |  | years of operation | no |

**Other requirements:**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | |
|  | | | | | | | |
|  | | | | | | | |
|  | | | | | | | |
|  | | | | | | | |
|  | | | | | | | |
| **Date** |  | 20 | (year) | **Signature** |  | / |  |
|  |  |  | |  |  |  | Full Name |