

ISO/TS 13907:2012-09 (E)

Soil quality - Determination of nonylphenols (NP) and nonylphenol-mono- and diethoxylates - Method by gas chromatography with mass selective detection (GC-MS)

| Contents | | Page |
|---|--|-------------|
| Foreword | | iv |
| Introduction | | v |
| 1 | Scope | 1 |
| 2 | Normative references | 1 |
| 3 | Principle | 1 |
| 4 | Interferences | 2 |
| 4.1 | Interferences from sampling | 2 |
| 4.2 | Interferences by GC-MS | 2 |
| 5 | Reagents | 2 |
| 6 | Apparatus | 4 |
| 7 | Sample storage and sample pretreatment | 5 |
| 7.1 | Sample storage | 5 |
| 7.2 | Sample pretreatment | 5 |
| 8 | Procedure | 5 |
| 8.1 | Extraction | 5 |
| 8.2 | Concentration (optional) | 7 |
| 8.3 | Clean-up (optional) | 7 |
| 8.4 | Derivatization | 8 |
| 8.5 | Blank test | 8 |
| 8.6 | GC-MS analysis | 8 |
| 8.7 | Calibration | 9 |
| 8.8 | Analysis of samples and identification | 10 |
| 9 | Calculation and expression of results | 10 |
| 9.1 | General | 10 |
| 9.2 | Calibration | 10 |
| 9.3 | Calculation | 11 |
| 10 | Precision | 11 |
| 11 | Test report | 11 |
| Annex A (informative) Repeatability and reproducibility data | | 13 |
| Annex B (informative) Example of chromatographic conditions and example of a chromatogram | | 15 |
| Bibliography | | 17 |