**Appendix 1.** Summary integration tables for integrated attributes “Other Chemical Attributes”, “Orography” and “Macro Elements” that were changed based on data mining results. \* denotes all possible levels on the scale “low”, “medium”, “high”.

**Other chemical attributes**



**Integration table before data mining**



**Integration table after data mining**

**Macro Elements**



**Integration table before data mining**



**Integration table after data mining**

**Orography**



**Integration table before data mining**



**Integration table after data mining**