volatile acidity	-0.26	1.0	-0.55	0.0	0.06	-0.01	0.08	0.02	0.23	-0.26	-0.2	-0.39
citric acid	0.67	-0.55	1.0	0.14	0.2	-0.06	0.04	0.36	-0.54	0.31	0.11	0.23
residual sugar	0.11	0.0	0.14	1.0	0.06	0.19	0.2	0.36	-0.09	0.01	0.04	0.01
chlorides	0.09	0.06	0.2	0.06	1.0	0.01	0.05	0.2	-0.27	0.37	-0.22	-0.13
free sulfur dioxide	-0.15	-0.01	-0.06	0.19	0.01	1.0	0.67	-0.02	0.07	0.05	-0.07	-0.05
total sulfur dioxide	-0.11	0.08	0.04	0.2	0.05	0.67	1.0	0.07	-0.07	0.04	-0.21	-0.19
density	0.67	0.02	0.36	0.36	0.2	-0.02	0.07	1.0	-0.34	0.15	-0.5	-0.17

-0.15

0.07

0.05

-0.07

-0.05

total sulfur dioxide

-0.11

-0.07

0.04

-0.21

-0.19

density

0.67

-0.34

0.15

-0.5

-0.17

рΗ

-0.68

1.0

-0.2

0.21

-0.06

sulphates

0.18

-0.2

1.0

0.09

0.25

free sulfur dioxide

alcohol

-0.06

0.21

0.09

1.0

0.48

quality

0.12

-0.06

0.25

0.48

volatile acidity

-0.26

0.23

-0.26

-0.2

-0.39

citric acid

0.67

-0.54

0.31

0.11

0.23

residual sugar

0.11

-0.09

0.01

0.04

0.01

chlorides

0.09

-0.27

0.37

-0.22

-0.13

fixed acidity

fixed acidity

рН

sulphates

alcohol

quality

1.0

-0.68

0.18

-0.06

0.12