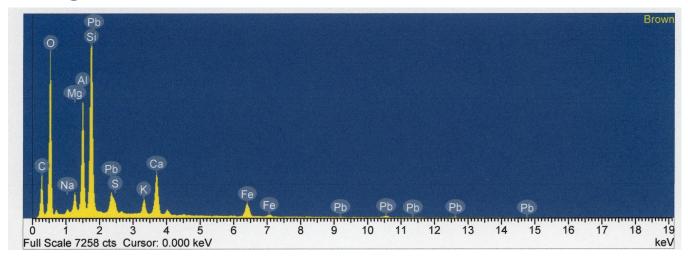
## Sample 9 Brown background

## **EDS**



## Elements detected:

C - Carbon

O - Oxygen

Na - Sodium

Mg - Magnesium

Al - Aluminum

Si - Silicon

S - Sulfur

K - Potassium

Ca - Calcium

Fe - Iron

Pb - Lead

## Pigments identified:

Umber (combinations of Fe2O3 and MnO2)

Vermilion HgS Red ochre Fe2O3 Like ochre, umber is a natural earth pigment that has been used since prehistoric times. It contains manganese dioxide as well as iron oxide. When left in its natural state, the color is referred to as raw umber, and when heated, burnt umber. Heating the material creates a darker and more intense hue.