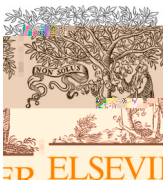
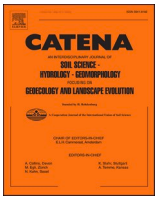
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1.1. Origin and therapeutic uses of pelotherapy



1.2. Mud maturation process

on-site

off-site

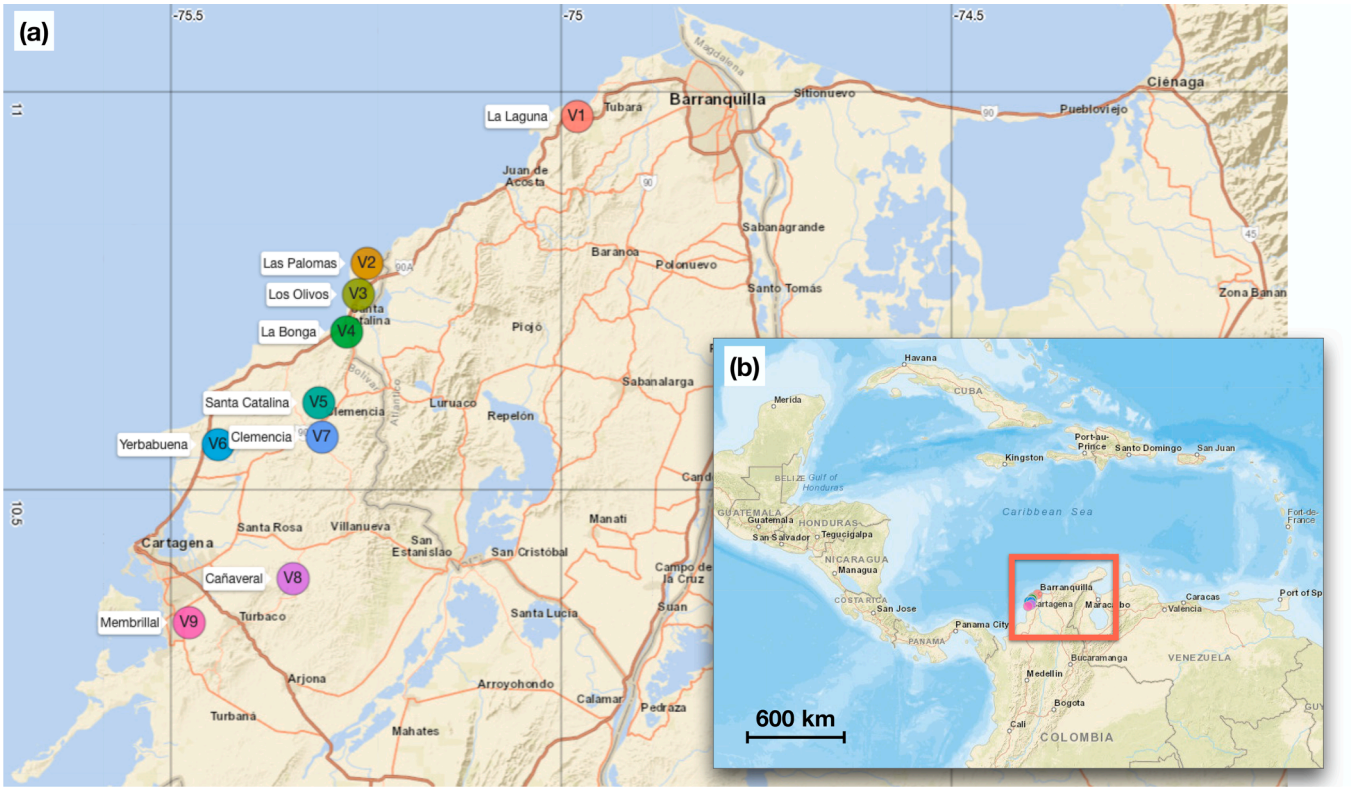
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IVème Conférence Scientifque Internationale

peloid

Pelotherapy

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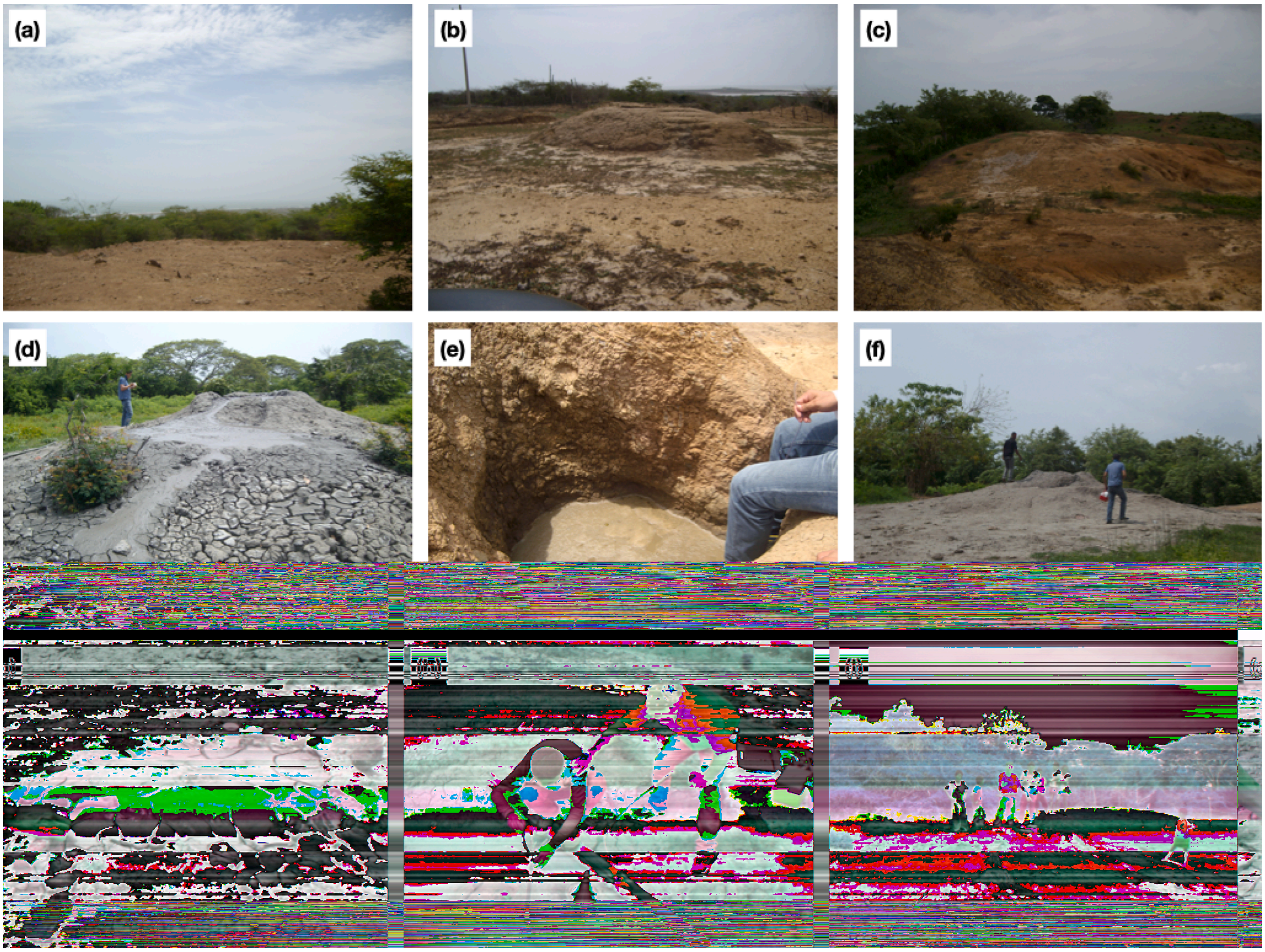
putizze

°C

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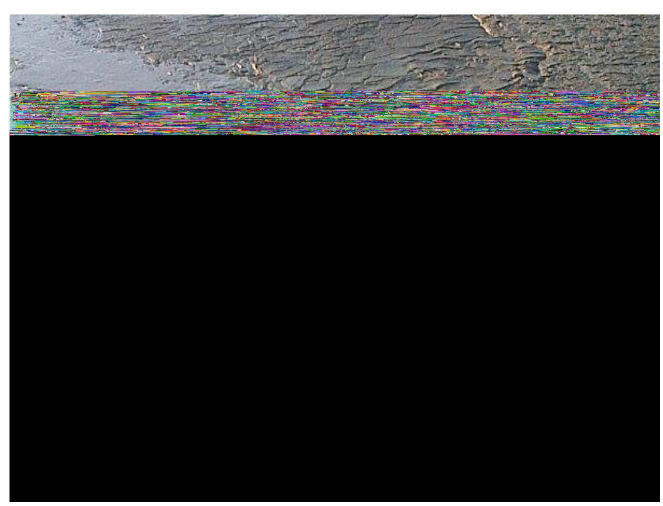
3.1. Granulometric and geochemical analysis

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HNO H O

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Cl⁻ SO ⁻ NO⁻ NO⁻

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χ R_p

R_{wp}

3.2. Mineralogical analysis

± .

R_p

R_{wp}

4.1. Granulometric analysis

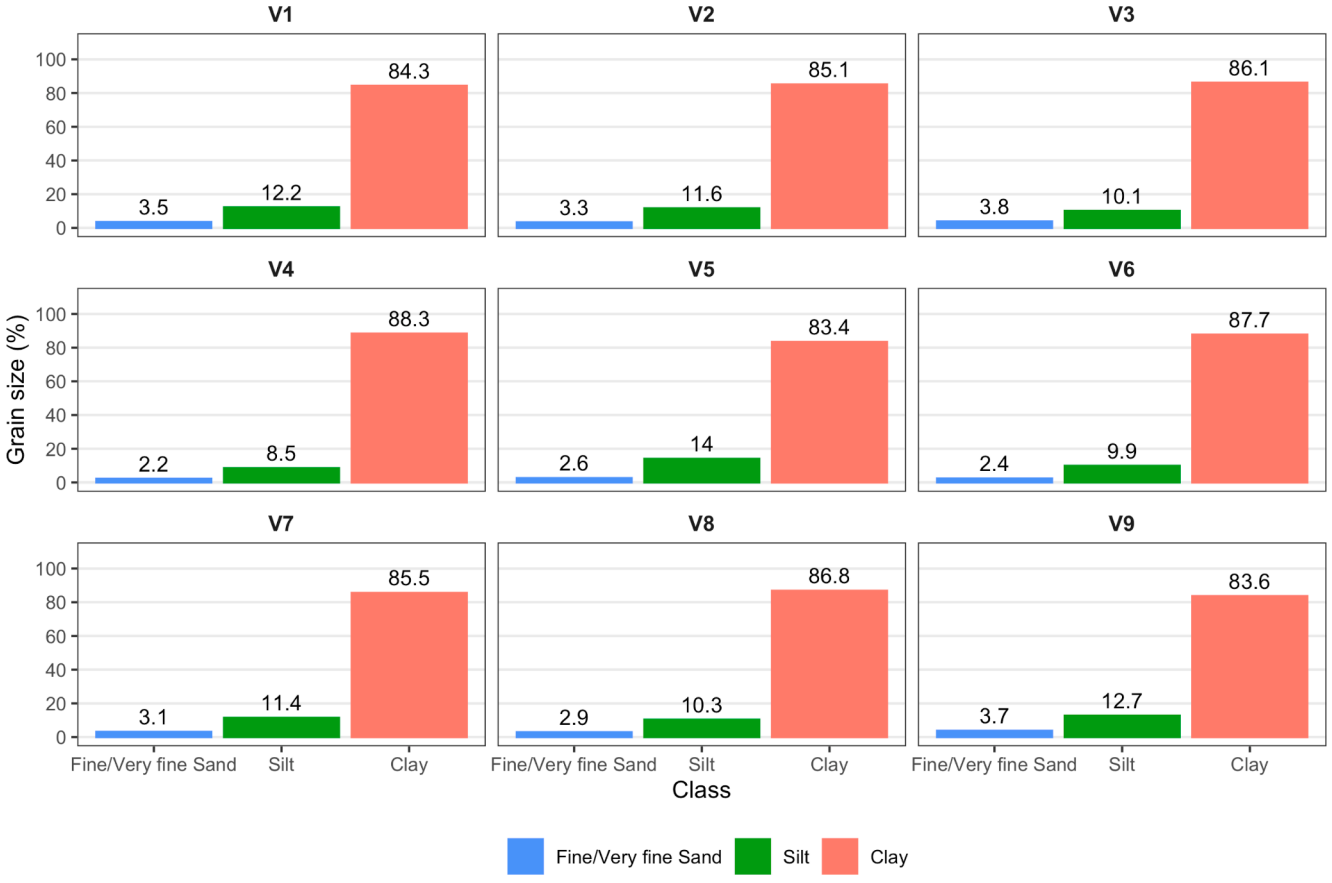
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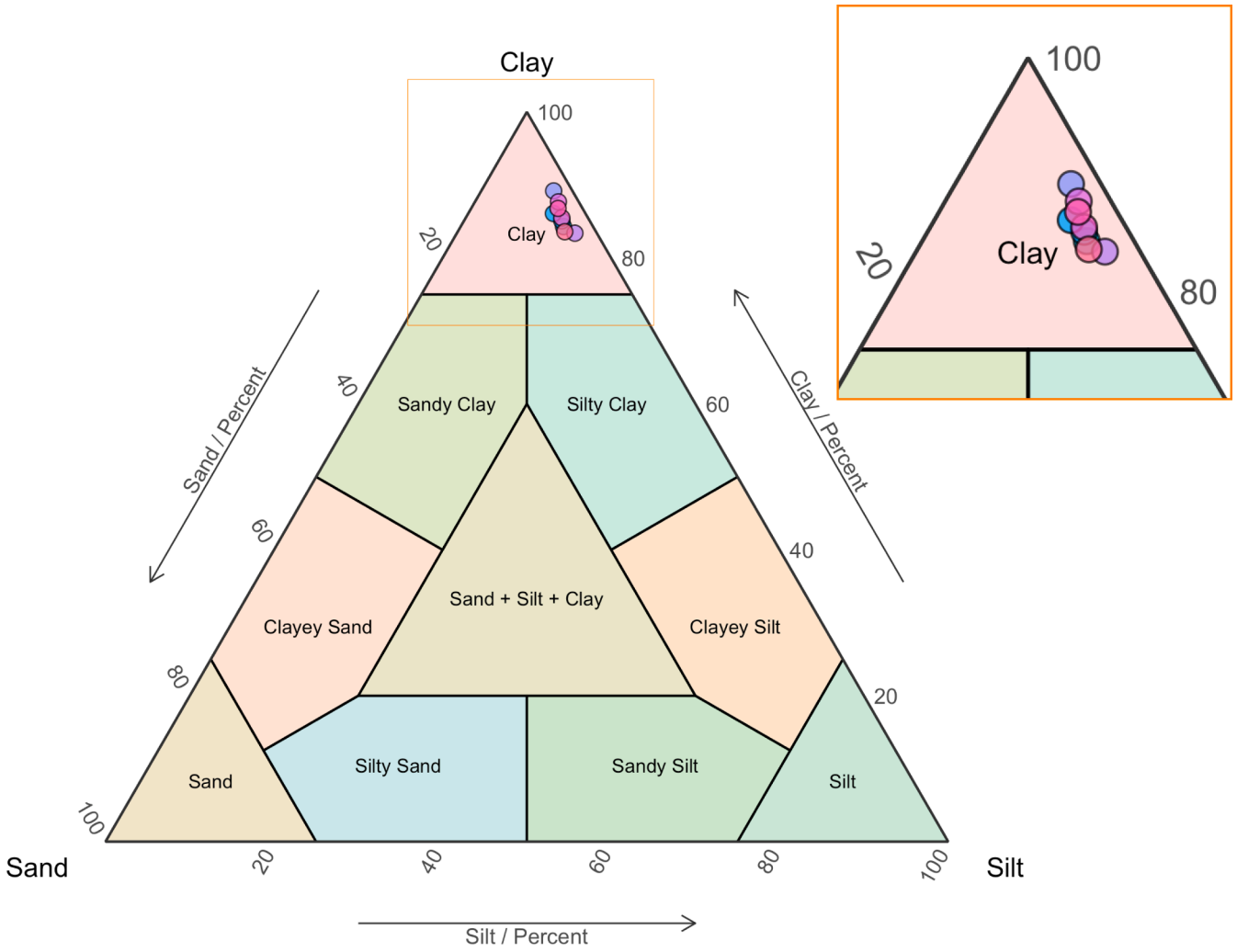
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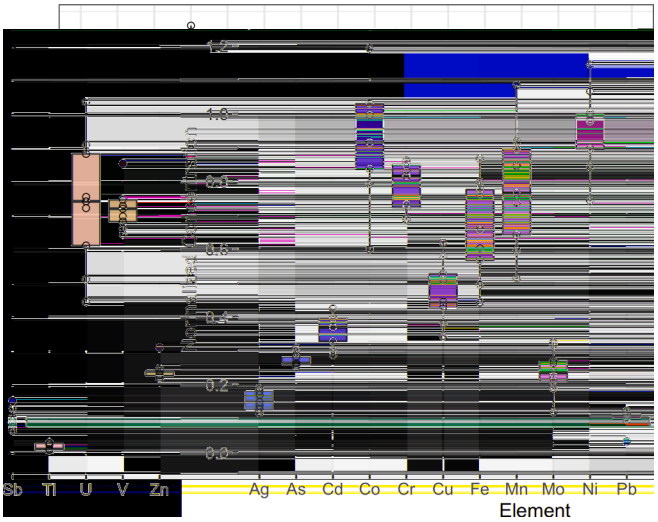

Clay
100
20
80
Clay
Sandy Clay
Silty Clay
40
60
Sand / Percent
Clay / Percent
Sand + Silt + Clay
Clayey Sand
Clayey Silt
60
40
80
20
Sand
Silty Sand
Sandy Silt
Silt
100
Sand
20
40
60
80
100
Silt
Silt / Percent

°C

μ

−
−
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−
NO^{-}
NO^{-}
HCO^{-}
SO^{-}
+
+
+
+
+
+
+

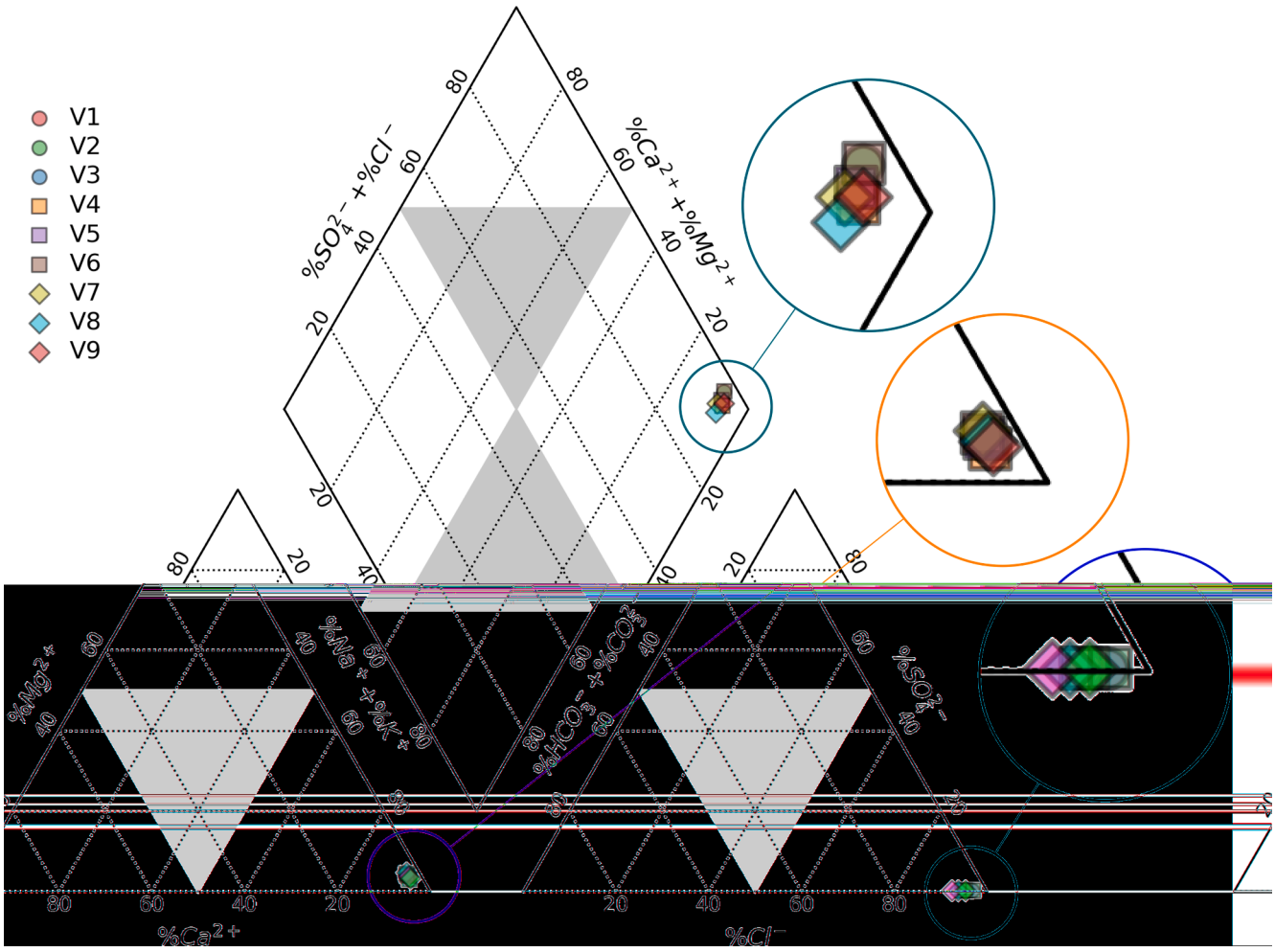
μ



°C °C
°C °C

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− +



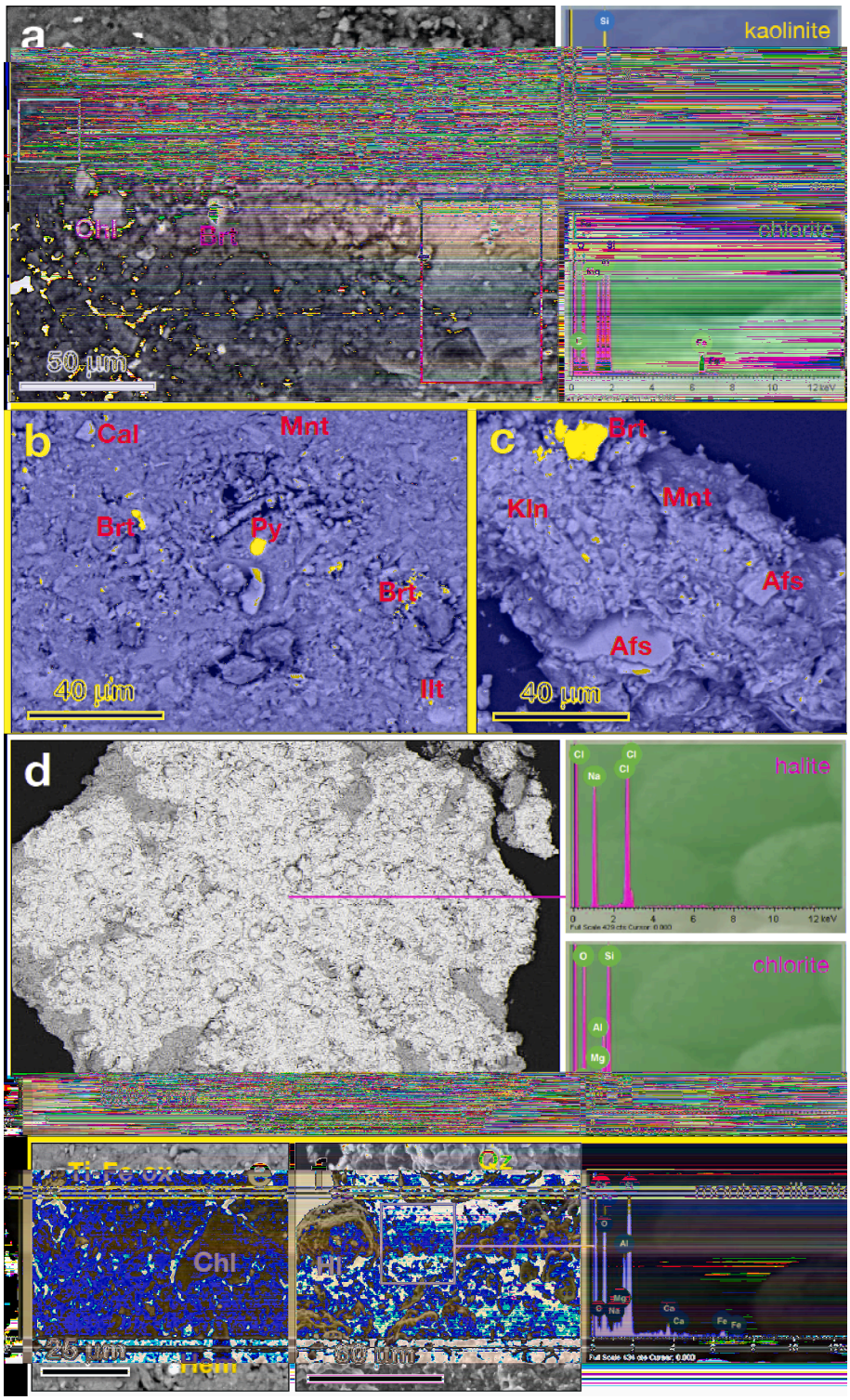
HCO^{-} + +

4.3. XRPD and SEM-EDS analysis

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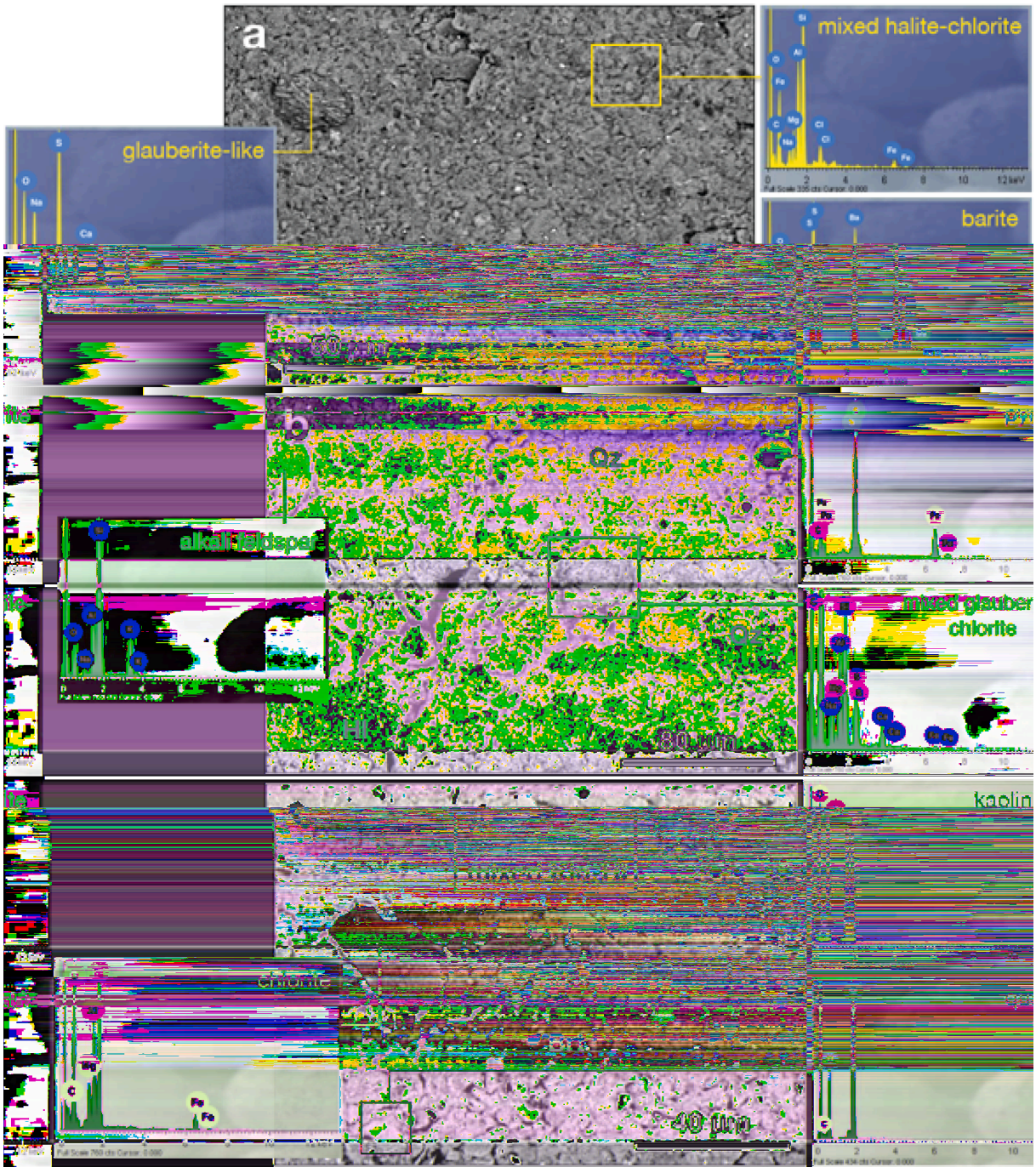
$$SO^{-}$$

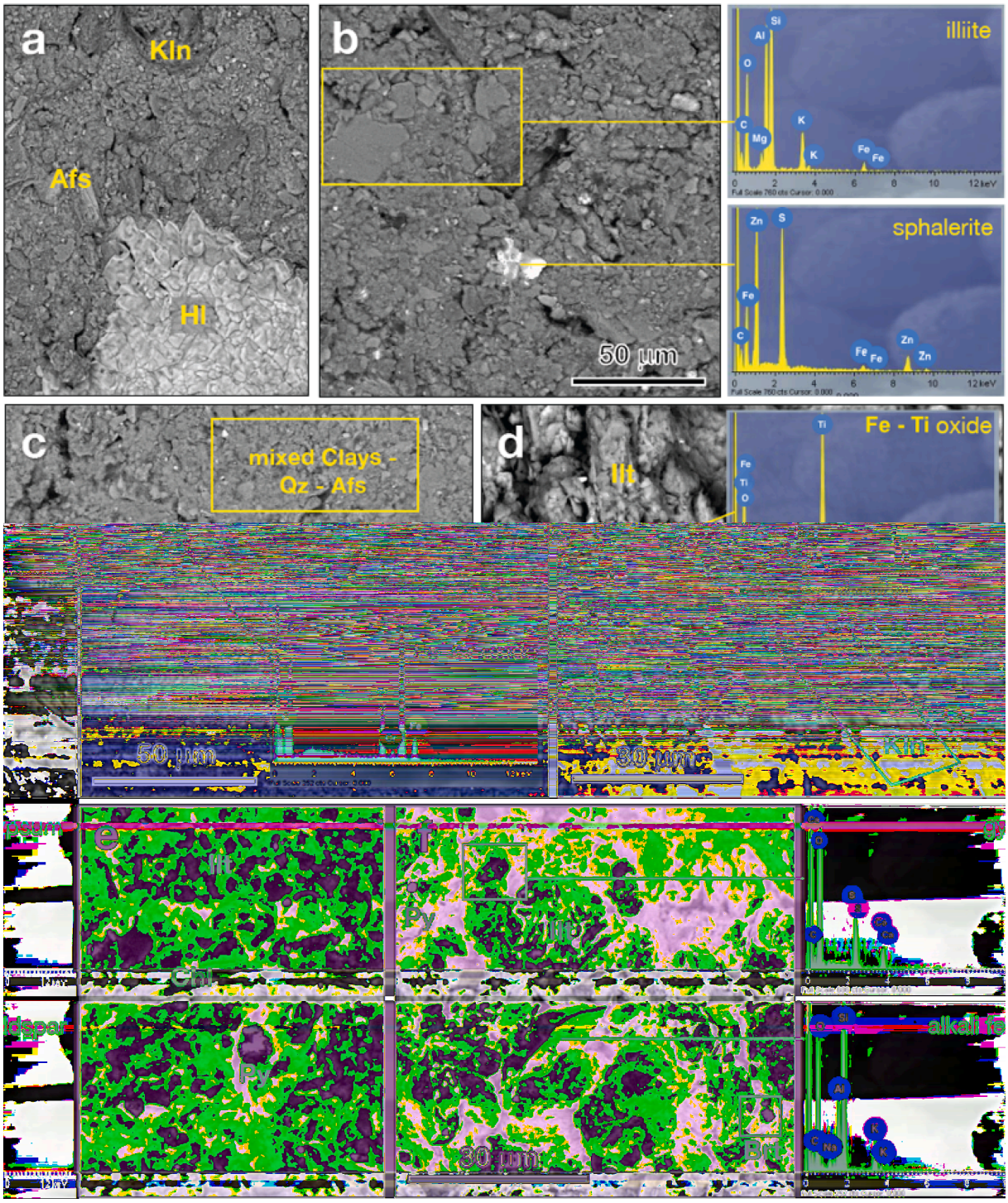
$$SO_4^{2-} + 2H_2O + 2C_{org} \longrightarrow H_2S + 2HCO_3^-$$

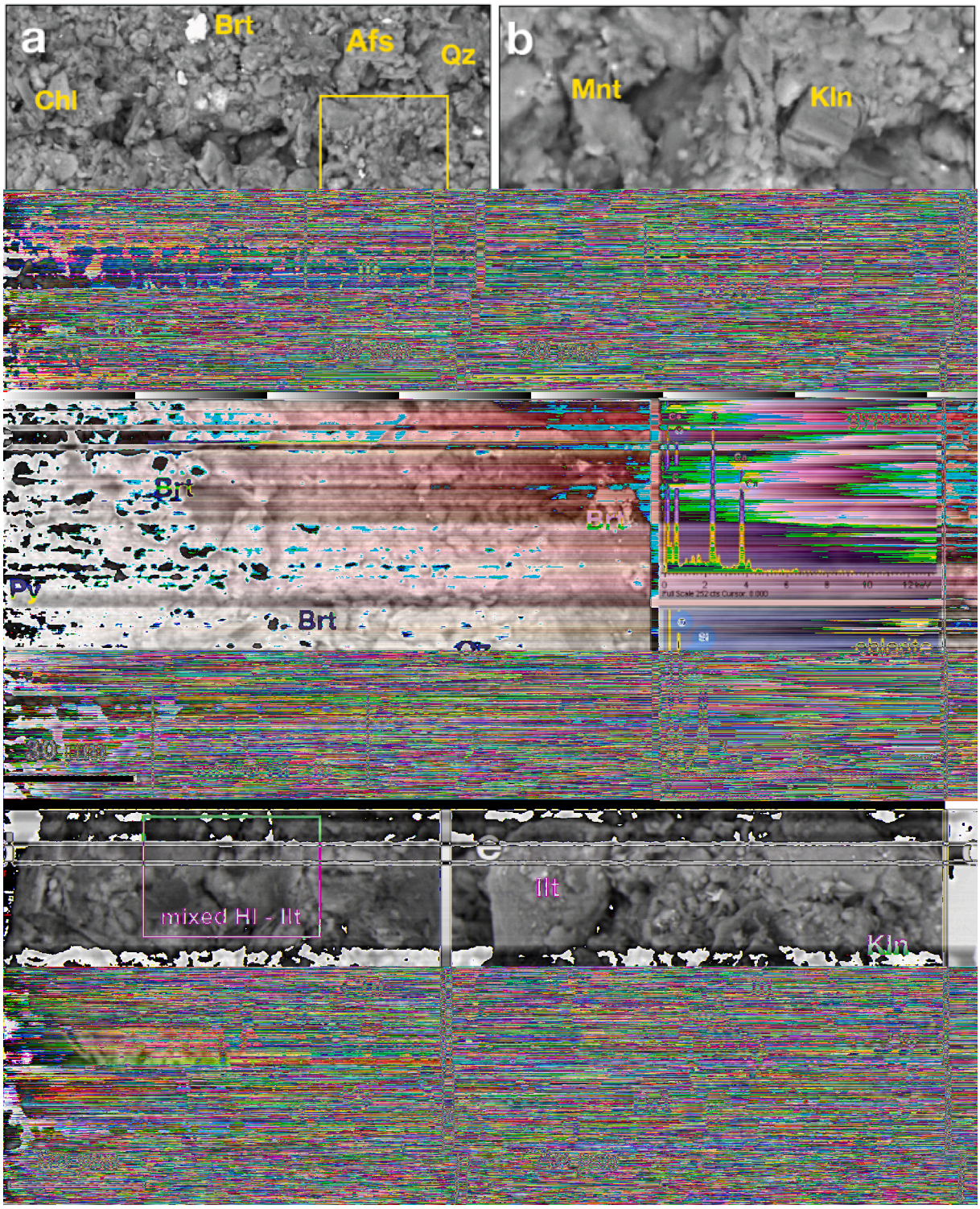

a
kaolinite
Chl
Brt
50 µm
chlorite
b
Cal
Mnt
Brt
Py
Brt
40 µm
Ilt
c
Brt
Kln
Mnt
Afs
Afs
40 µm
d
halite
chlorite
Chl
Qz
Ilt
25 µm
50 µm

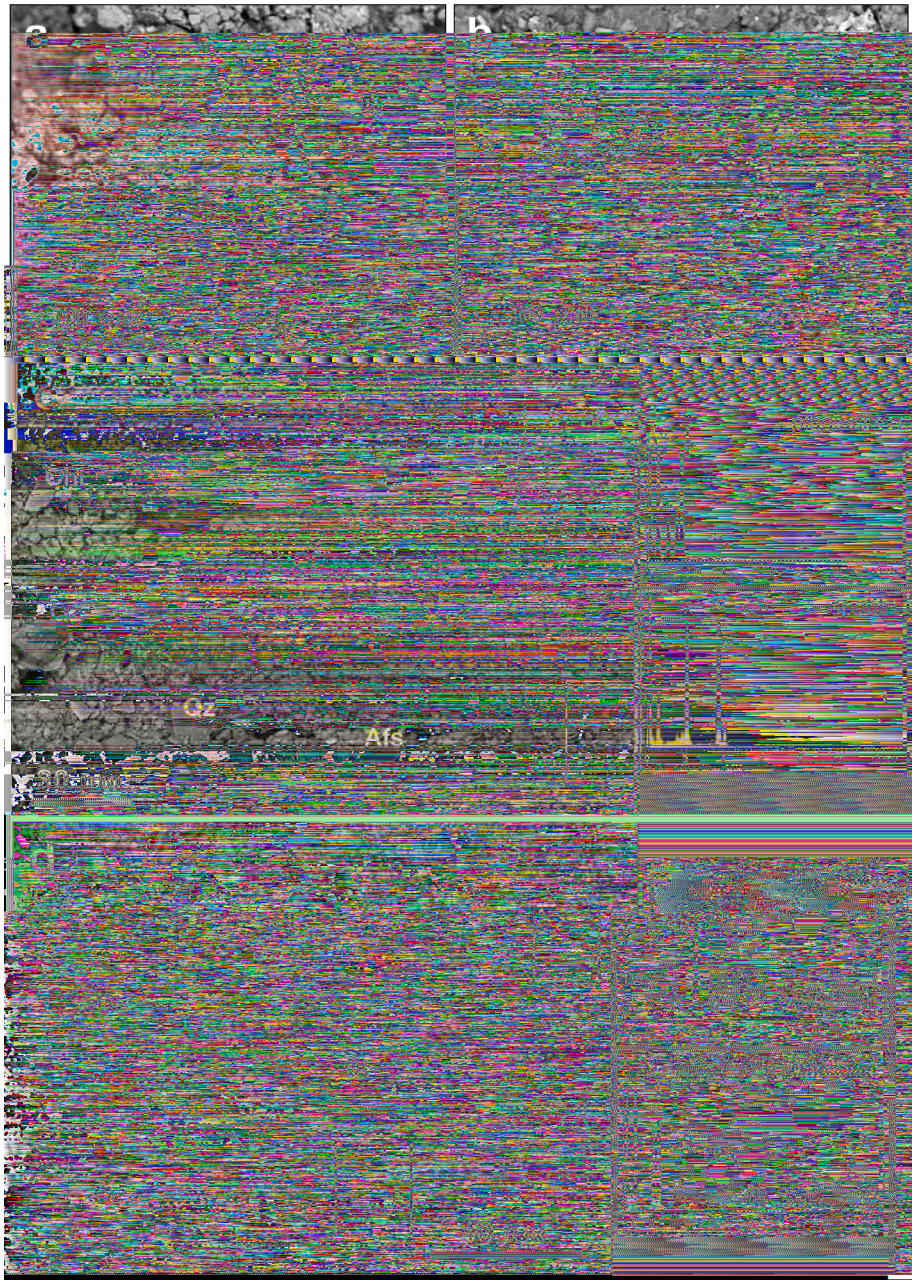
SO^{-}

SO^{-}


a
glauberite-like
mixed halite-chlorite
barite
b
Qz
alkali feldspar
Hl
mixed glauber
chlorite
kaolin
chlorite
50 µm
80 µm
40 µm


a
Kln
Afs
Hl
b
50 µm
illiite
sphalerite
c
mixed Clays - Qz - Afs
d
Ilt
Fe - Ti oxide
50 µm
30 µm
Kln
e
Ilt
Chl
Py
Py
Ilt
Chl
Py
Py
Ilt
30 µm
alkali fe


a
Brt
Afs
Qz
Chl
b
Mnt
Kln
Brt
Py
Brt
Brt
mixed Hl - Ilt
c
Ilt
Kln



HCO^{-}

– °C

. °C

– +

“ ”

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– SO – “
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