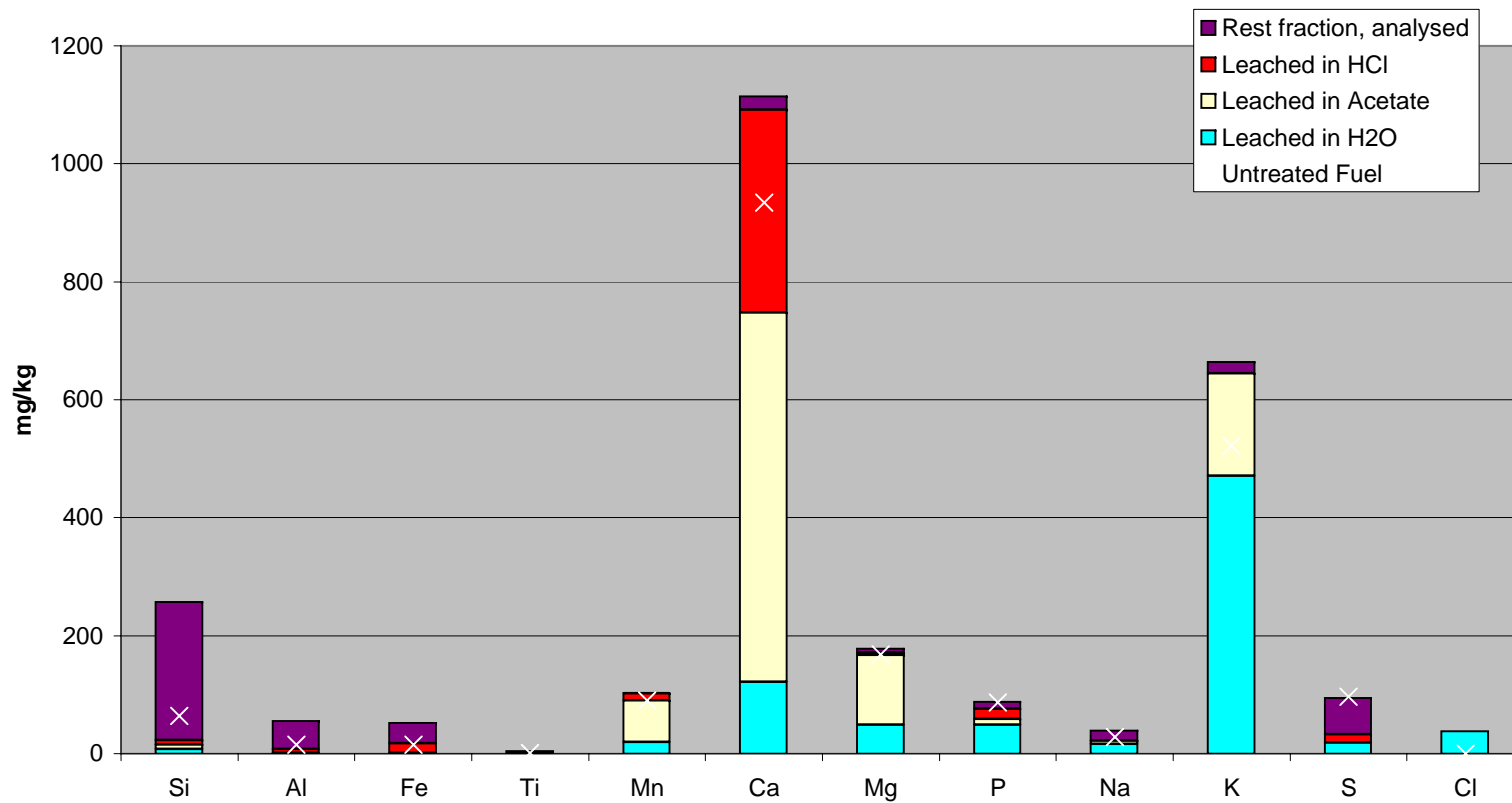


		= to be filled in		= automatically filled in	
	<b>Wood</b>				
Sample mass to H2O, g	100.95				The remaining liquid in
Dry solids, %	95.3%				insignificant since it is
Dry solid to H2O, g	96.21				concentration is 0 => 0
H2O total volume after filtration, ml	1329.12				
Total weight wet solid after H2O, g	470.31				
Weight wet solid to analysis after H2O, g					
Weight dry solid to analysis after H2O, g					
Dry solids, %	#DIV/0!				
Total dry solids after H2O, g	#DIV/0!				
Wet solid from H2O to Ac, %	100.00%				
Ac total volume after filtration, ml	2639.20				
Total weight wet solid after Ac, g	256.50				
Weight wet solid to analysis after Ac, g					
Weight dry solid to analysis after Ac, g					
Dry solids, %	#DIV/0!				
Total dry solids after Ac, g	#DIV/0!				
Wet solid from Ac to HCl, %	100.00%				
HCl total volume after filtration, ml	1874.82				
Total weight wet solid after HCl, g	78.17				
Weight wet solid to analysis after HCl, g	78.17				
Weight dry solid (still little water containing) to analysis after HCl, g	76.76				moisture rest fraction
Dry solids, %	98.2%				1.41
Total dry solids after HCl, g	76.76				0.018
					0.982
					0.97709

<b>Fuel analysis</b>	<b>Si</b>	<b>Al</b>	<b>Fe</b>	<b>Ti</b>	<b>Mn</b>	<b>Ca</b>	<b>Mg</b>	<b>P</b>	<b>Na</b>	<b>K</b>	<b>S</b>	<b>Cl</b>	<b>Ash</b>
	mg/kg d.s.	mg/kg d.s.	mg/kg d.s.	mg/kg d.s.	mg/kg d.s.	mg/kg d.s.	mg/kg d.s.	mg/kg d.s.	mg/kg d.s.	mg/kg d.s.	mg/kg d.s.	mg/kg d.s.	w-% in d.s.
<b>Wood</b>	<b>64.2</b>	<b>14.8</b>	<b>15.4</b>	<b>1.2</b>	<b>89.9</b>	<b>934.0</b>	<b>168.0</b>	<b>86.3</b>	<b>28.2</b>	<b>522.0</b>	<b>97.0</b>	<b>0.0</b>	
<b>H2O liquid analysis</b>	<b>Si</b>	<b>Al</b>	<b>Fe</b>	<b>Ti</b>	<b>Mn</b>	<b>Ca</b>	<b>Mg</b>	<b>P</b>	<b>Na</b>	<b>K</b>	<b>S</b>	<b>Cl</b>	
	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	
<b>Wood</b>	<b>0.5</b>	<b>0.1</b>	<b>0.1</b>	<b>0.0</b>	<b>1.4</b>	<b>8.8</b>	<b>3.5</b>	<b>3.5</b>	<b>1.2</b>	<b>34.1</b>	<b>1.3</b>	<b>2.8</b>	
<b>Ac liquid analysis</b>	<b>Si</b>	<b>Al</b>	<b>Fe</b>	<b>Ti</b>	<b>Mn</b>	<b>Ca</b>	<b>Mg</b>	<b>P</b>	<b>Na</b>	<b>K</b>	<b>S</b>	<b>Cl</b>	
	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	
<b>Wood</b>	<b>0.31</b>	<b>0.004</b>	<b>0.013</b>	<b>0.0</b>	<b>2.6</b>	<b>22.8</b>	<b>4.3</b>	<b>0.4</b>	<b>0.2</b>	<b>6.3</b>	<b>0.0</b>	<b>0.0</b>	
<b>HCl liquid analysis</b>	<b>Si</b>	<b>Al</b>	<b>Fe</b>	<b>Ti</b>	<b>Mn</b>	<b>Ca</b>	<b>Mg</b>	<b>P</b>	<b>Na</b>	<b>K</b>	<b>S</b>	<b>Cl</b>	<b>no chlorine</b>
	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	
<b>Wood</b>	<b>0.3</b>	<b>0.3</b>	<b>0.8</b>	<b>0.0</b>	<b>0.6</b>	<b>17.7</b>	<b>0.2</b>	<b>0.9</b>	<b>0.0</b>	<b>0.0</b>	<b>0.7</b>		
<b>HCl solid analysis</b>	<b>Si</b>	<b>Al</b>	<b>Fe</b>	<b>Ti</b>	<b>Mn</b>	<b>Ca</b>	<b>Mg</b>	<b>P</b>	<b>Na</b>	<b>K</b>	<b>S</b>	<b>Cl</b>	<b>no chlorine</b>
<b>(rest fuel analysis)</b>	mg/kg d.s.	mg/kg d.s.	mg/kg d.s.	mg/kg d.s.	mg/kg d.s.	mg/kg d.s.	mg/kg d.s.	mg/kg d.s.	mg/kg d.s.	mg/kg d.s.	mg/kg d.s.	mg/l	
<b>Wood</b>	<b>294.0</b>	<b>59.8</b>	<b>43.4</b>	<b>6.0</b>	<b>1.6</b>	<b>28.6</b>	<b>7.1</b>	<b>15.6</b>	<b>20.8</b>	<b>24.9</b>	<b>77.8</b>		

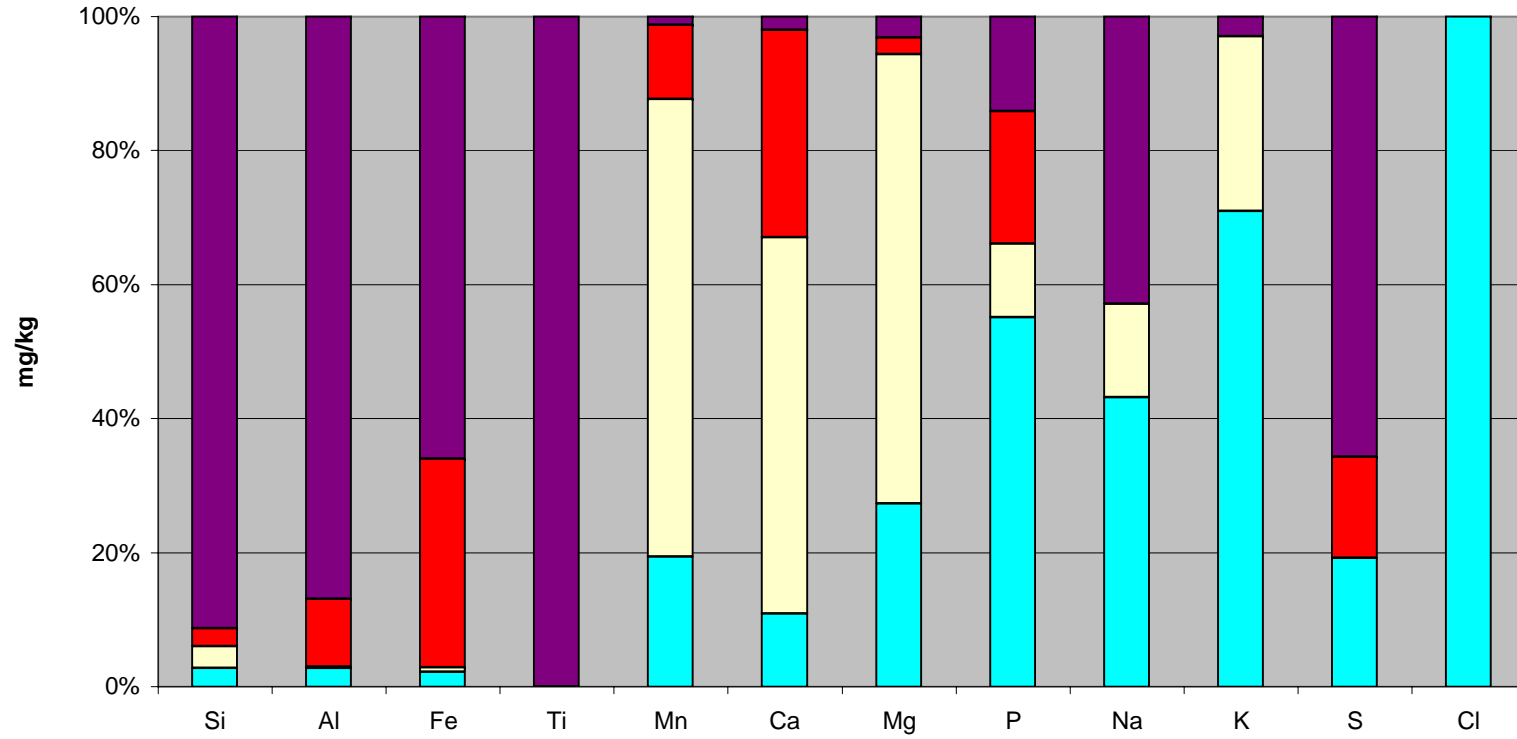
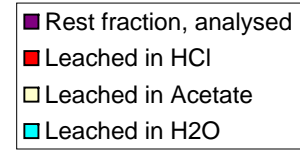


(a) Wood  
main elements distribution by chemical fractionation



(b) Wood

main elements distribution by chemical fractionation







mg/kg d.s.
<b>Zn</b>
0.00
0.20
0.39
1.83
0.00
-2.42
2.42
<b>0.00</b>
0.59
1.83
-0.59
<b>Zn</b>
0.00
#DIV/0!
#DIV/0!
#DIV/0!
#DIV/0!
#DIV/0!
#DIV/0!
<b>#DIV/0!</b>
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#DIV/0!
#DIV/0!
<b>Zn</b>
0.00
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**(a) Wood**  
**trace elements distribution by chemical fractionation**

