

Table S1 - Thermal Treatment of FA1: TOC (ppm) - Time Data at Different Temperatures.

T (°C)	150	225	275	375	400	500	600
t (min)							
0	2230	2230	2230	2230	2230	2230	2230
30	2210	2160	2105	1505	1200	1075	985
60	2230	2085	1955	1100	765	650	580
90					555	340	300
120	2225	2020	1815	760	355	300	310
150					250	180	165
180	2215	1940	1710	565	250	185	175
210					140		
240	2210	1890	1655	490	155	135	130
360	2220	1890	1605	450	110	105	105
480	2210	1870	1575	460	105	105	100
540				410			
600				405			
660				385			
720				310			
900		1755	1250				
1020		1760	1150				

Table S2 - Thermal Treatment of FA2a: TOC (ppm) - Time Data at Different Temperatures.

T (°C)	200	250	275	325	350	400	450	475	550	600
t (min)										
0	2165	2165	2165	2165	2165	2165	2165	2165	2165	2165
5							1460	1200	791	545
10										490
15						1285	1010	770	459	
30				1595	1370	1105	820	620	382	430
45									350	300
60	2185	2010	1925	1370	1140	890	680	520		300
90					1055	805	535	485	387	
120	2095	2045	1710	1075	940	715		455	302	
180				970	850	630				
240	2060	1785	1565		805	585	370	460		
360	2050	1735	1550	825	730		410	435		
480	2045	1747	1400	670		420		445		
600	2120	1730	1330	645	570	430		420		
720	2005									
1080							365			
1200	2055	1615								
1440	1900	1515	1055	580	545	405	400	355		

Table S3 - Thermal Treatment of FA2b: TOC (ppm) - Time Data at Different Temperatures.

T (°C)	200	350	400	450	500	600
t (min)						
0	7820	7820	7820	7820	7820	7820
30	7860	6920	6840	6020	6020	4800
60	7800	6580	6220	4400	3180	2320
120	7740	6000	5520	3680	2680	1870
180	7840	5700	4880	3180	2165	1390
240	7760	5640	4620	3060	1890	1030
360	7880	5300	4480	2680	1540	560
480	7820	5280	4440	2608	1300	240
1440	7710	4820	3950	1965	320	

Table S4 - Thermal Treatment of FA3: TOC (ppm) - Time Data at Different Temperatures.

T (°C)	250	275	300	350	400	450	550
t (min)							
0	3525	3525	3525	3525	3525	3525	3525
5				3475	2390	1535	810
10				2995	2040	1235	425
15				2075	1845	1055	345
30				1800	1495	795	205
60	3500	2775	2610	1735	1105	690	150
90						620	155
120	3280	2545	2040	1440	1020	545	130
180	3175	2205		1270	960	510	135
240	3095	2045	1770	1215	865	510	110
360	3180	2080	1770	1160	855	445	
480	2725	1965	1635	1070	720		
600	2770	1815	1475		760	395	
1440	2540	1760	1465	960	700	395	

Table S5 - Thermal Treatment of FA30: TOC (ppm) - Time Data at Different Temperatures.

T (°C)	300	400	500
t (min)			
0	3430	3430	3430
5		2545	1390
10		2045	1140
15		1910	1130
30		1760	705
60	2770	1305	630
120	2435	1290	420
240	1775	1020	360
360	2015	990	
480	2105	865	300
600	1585	1160	285
1440	1595	735	235

Table S6 - Thermal Treatment of FA3E: TOC (ppm) - Time Data at Different Temperatures.

T (°C)	300	350	400	450	500
t (min)					
0	2870	2870	2870	2870	2870
5		2750	2030	1820	1145
10		2320	1775	1650	785
15		1940	1665	1450	635
30		1720	1105	1190	460
60	2340	1650	1055	1120	425
90				1045	
120	2105	1480	1015	880	375
180		1480	920	750	275
240	1950	1445	870	720	250
360	1840	1325	815	690	200
480	1540	1090	810		185
600	1495		705	550	170
1440	1430	1000	680	405	125

Table S7 - Thermal Treatment of DF-BPh-SiO₂ mixtures: TOC (ppm) - Time Data at DifferentTemperatures. ($\text{TOC}_{\text{DF}}^0 = 1775 \text{ ppm}$, $\text{TOC}_{\text{BPh}}^0 = 1775 \text{ ppm}$)

T (°C)	75	100	125	150	200
t (min)					
0	3550	3550	3550	3550	3550
30	3430	3260	3080	2770	2075
60	3375	3070	2670	2155	1220
120	3060	2635	1660	1300	450
180	2860	2290	1570	790	200
240	2690	1945	1160	475	
360	2355	1480	655	175	
480	1925	1130	460		

Table S8 - Thermal Treatment of DF-BPh-C-SiO₂ mixtures: TOC (ppm) - Time Data at Different Temperatures. ($\text{TOC}_{\text{DF}}^0 = 630$ ppm, $\text{TOC}_{\text{BPh}}^0 = 320$ ppm and $\text{TOC}_{\text{C}}^0 = 920$ ppm)

T (°C)	75	100	150	200	350	400	500	600
t (min)								
0	1870	1870	1870	1870	1870	1870	1870	1870
30	1845	1835	1750	1675	1230	905	855	520
60	1805	1785	1495	1050	1085	825	765	380
120	1755	1535	1285	985	900	610	505	155
180	1715	1480	995	970	895	505	410	120
240	1660	1410	985	950	825	455	285	
360	1570	1215	985	915	750	380	115	
480	1505	1200	965	955	760	330	120	