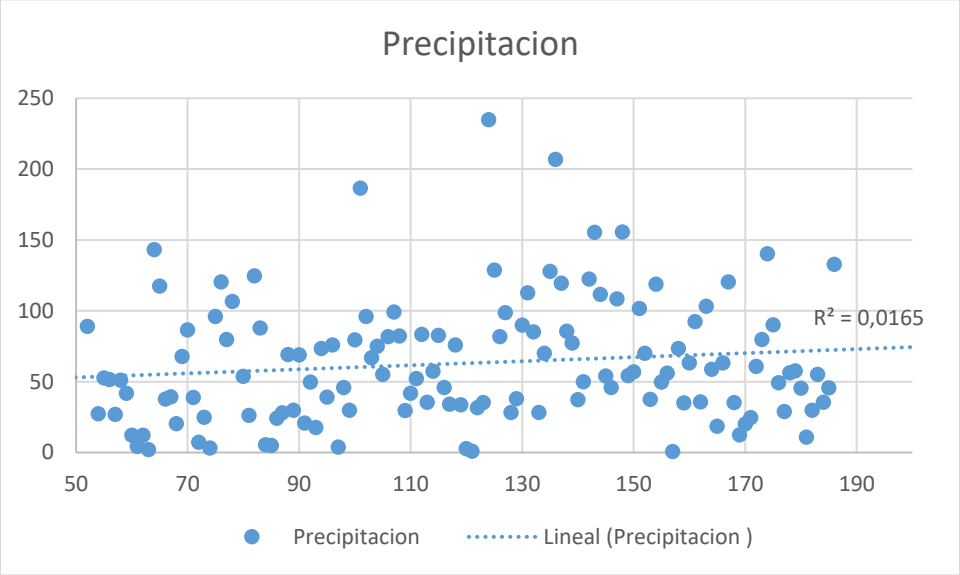
ANEXO 6

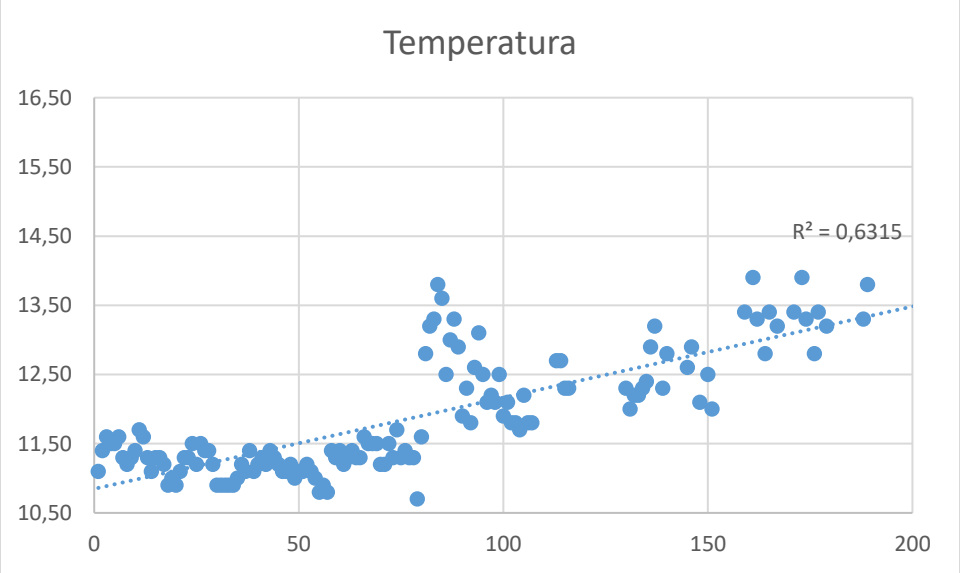
CORRELACIONES PARAMETROS

CLIMA

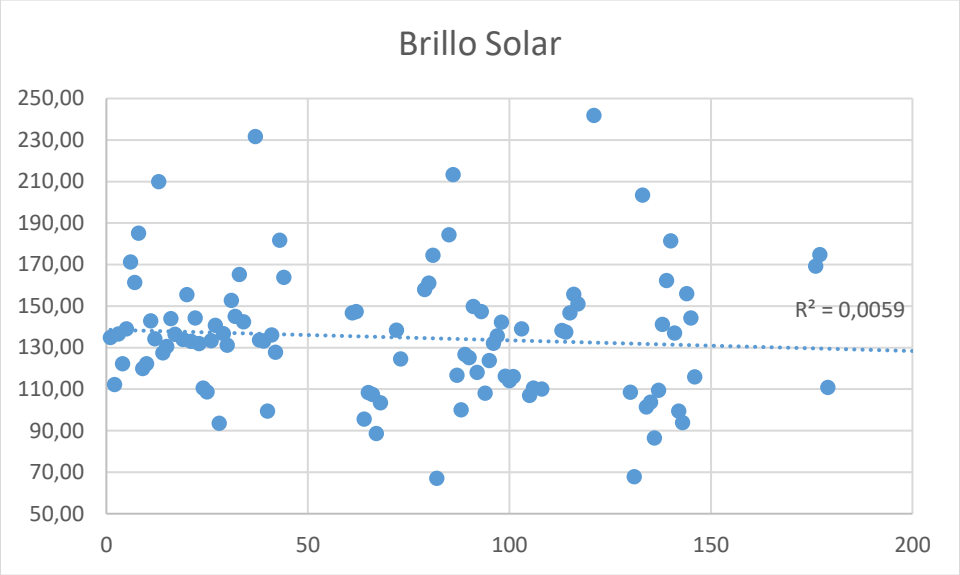
Precipitación



Temperatura

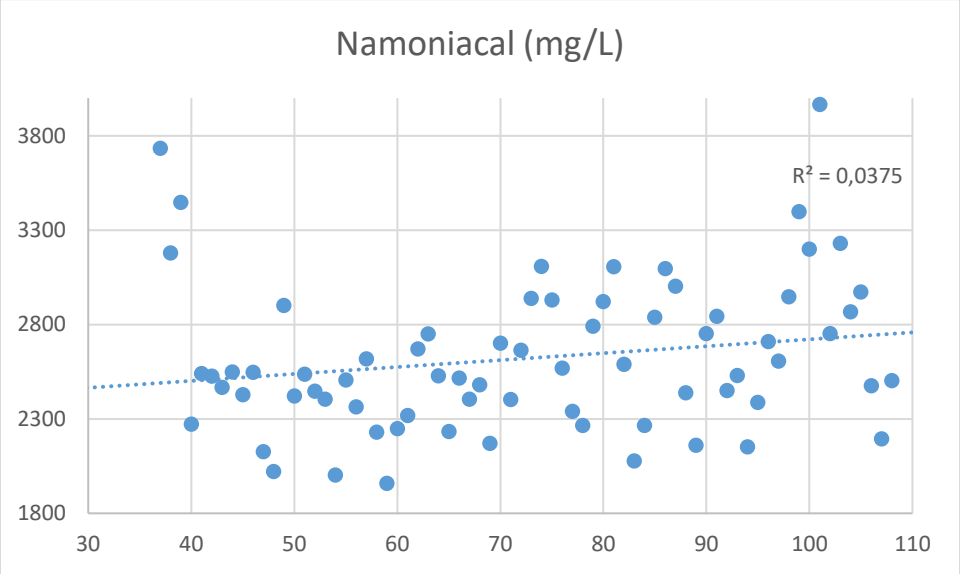


Brillo solar

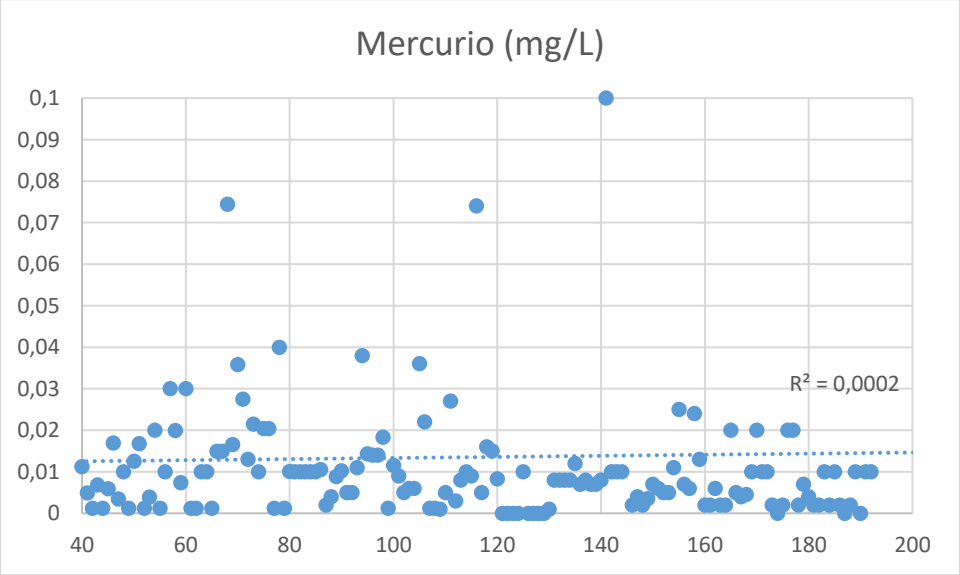


CARACTERIZACION FISICOQUIMICA

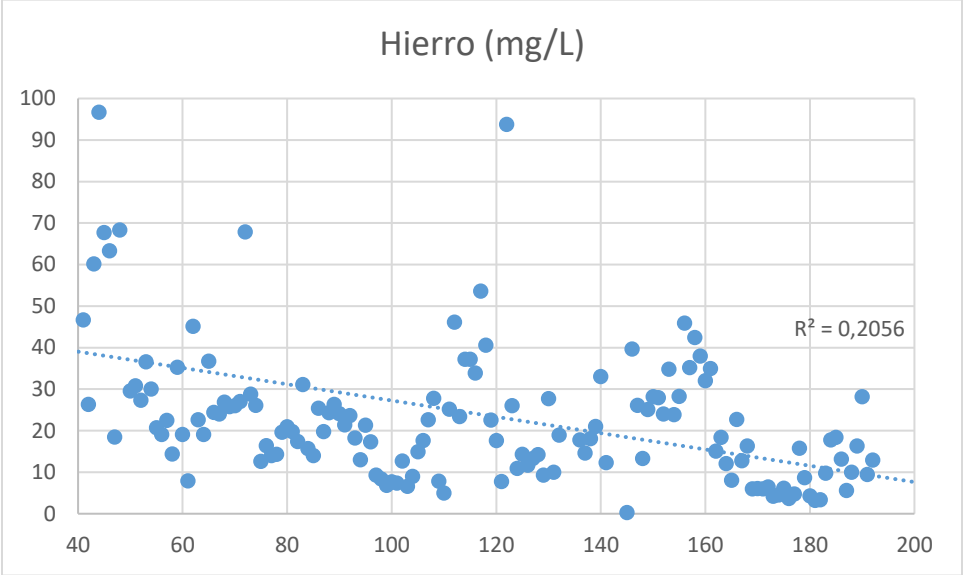
Nitrógeno Amoniacal



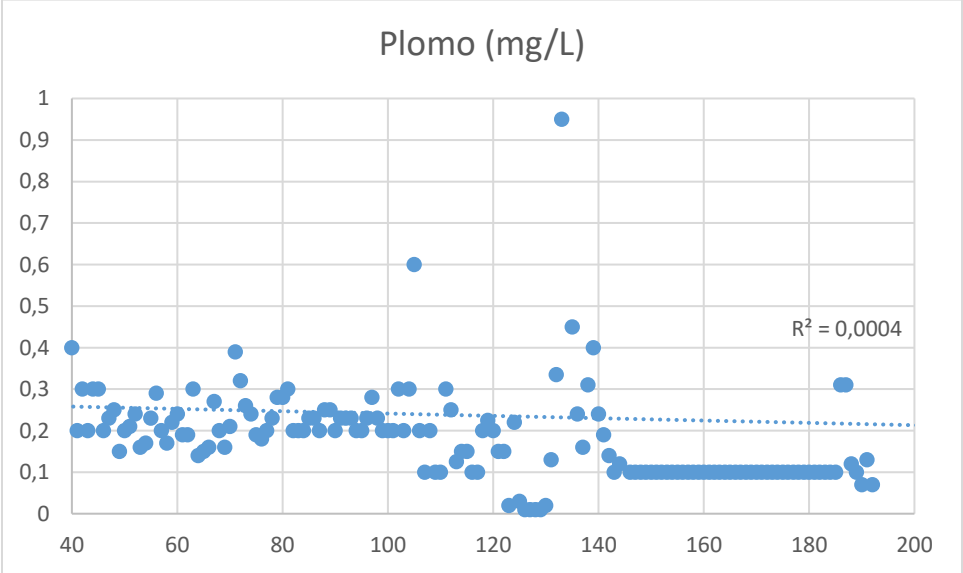
Mercurio



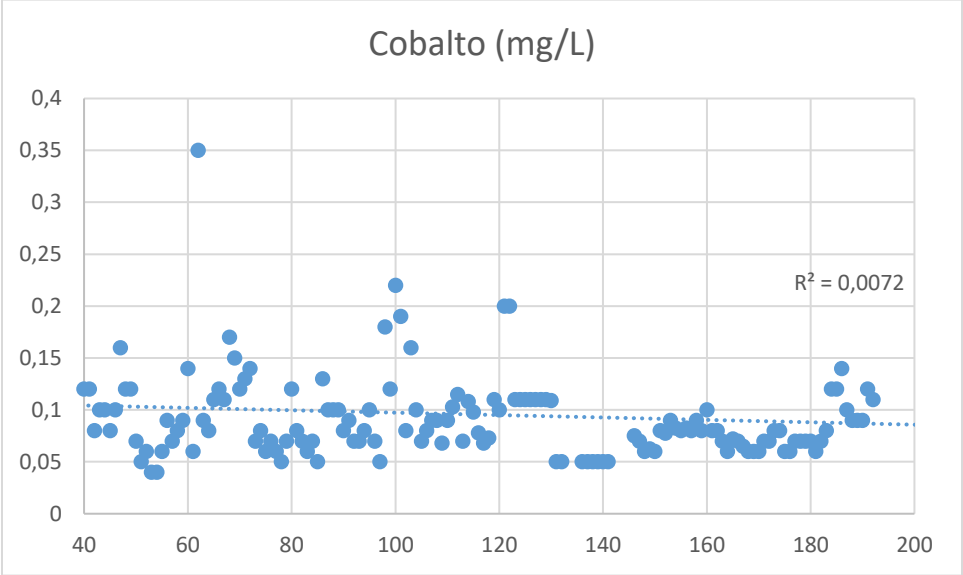
Hierro



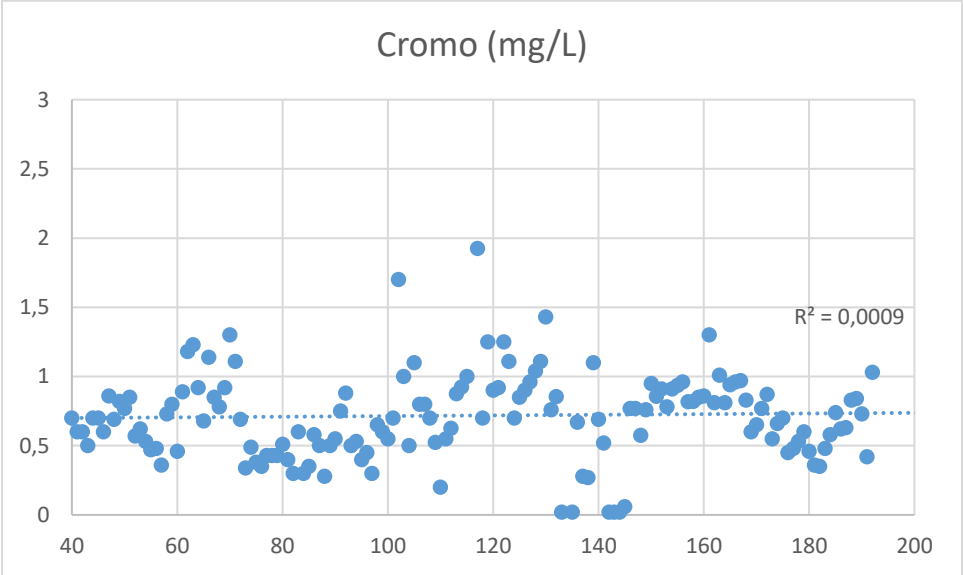
Plomo



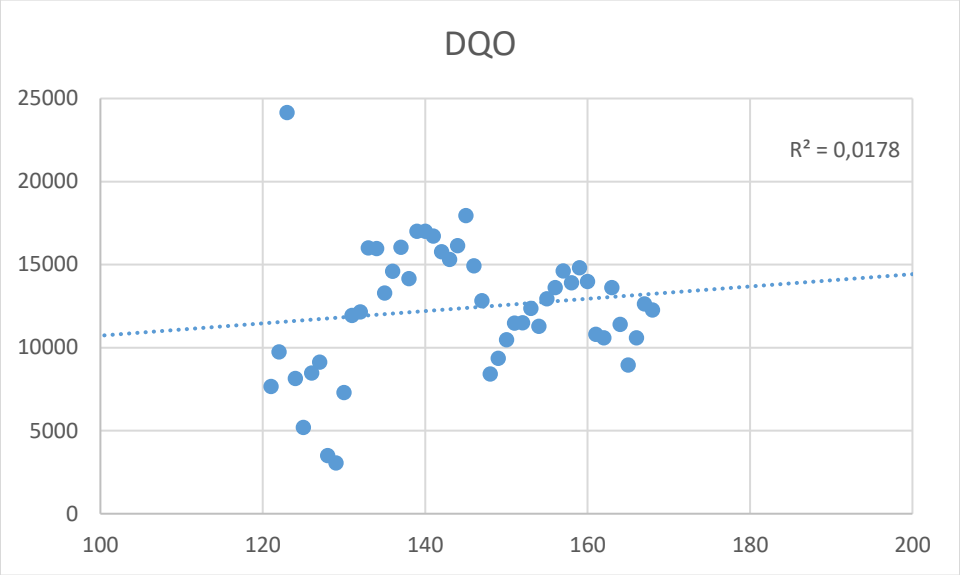
Cobalto



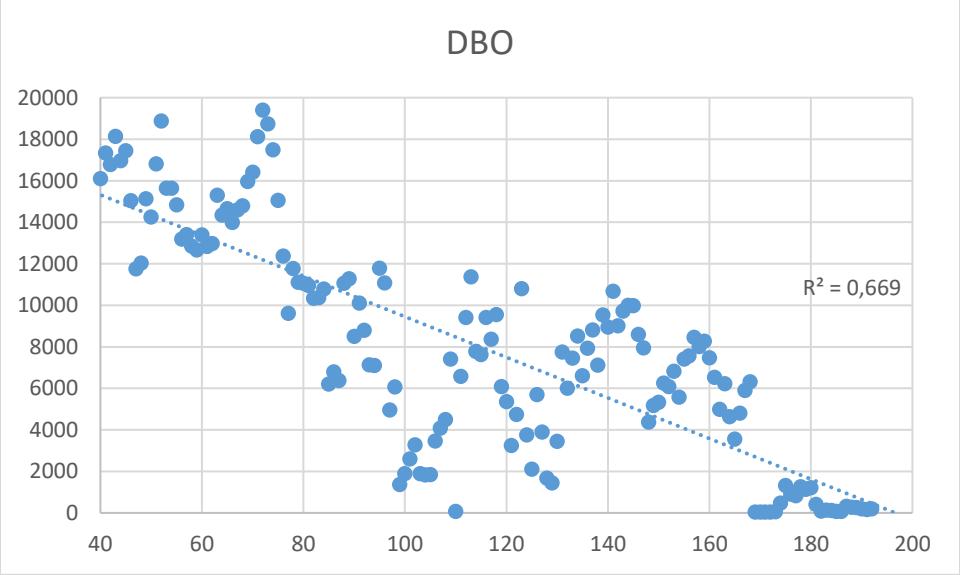
Cromo



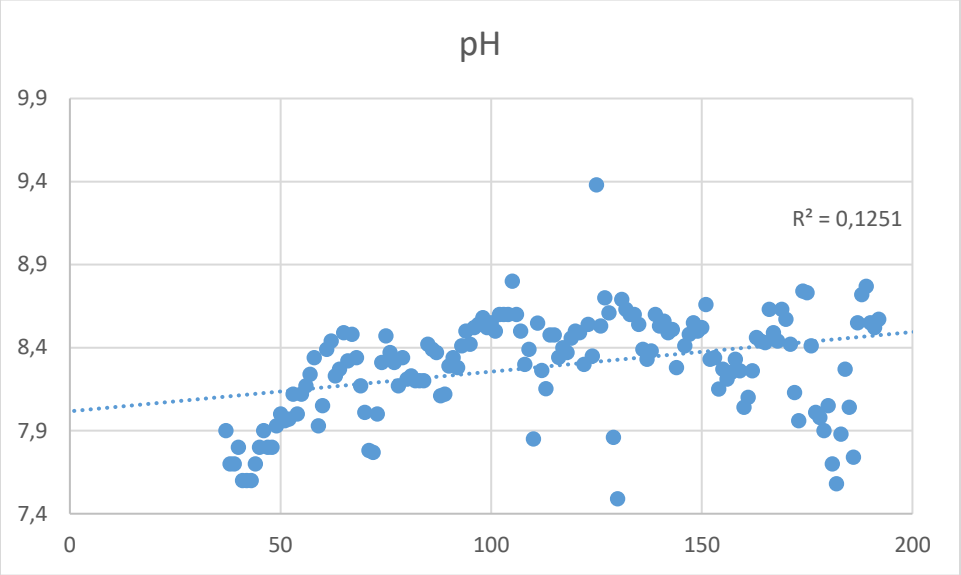
DQO


DQO
25000
20000
15000
10000
5000
0
100
120
140
160
180
200
R² = 0,0178

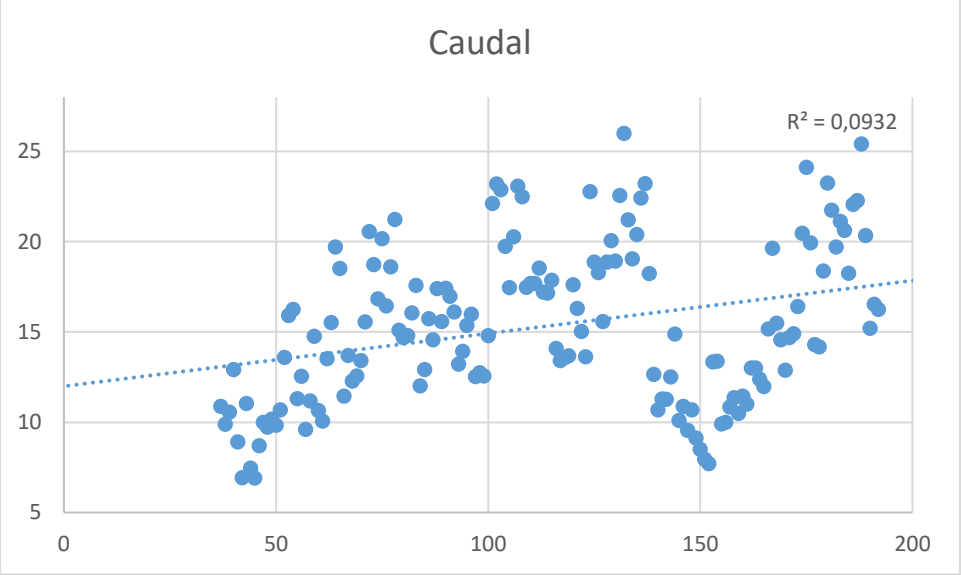
DBO


DBO
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
40
60
80
100
120
140
160
180
200
R² = 0,669

pH


pH
9,9
9,4
8,9
8,4
7,9
7,4
0
50
100
150
200
R² = 0,1251

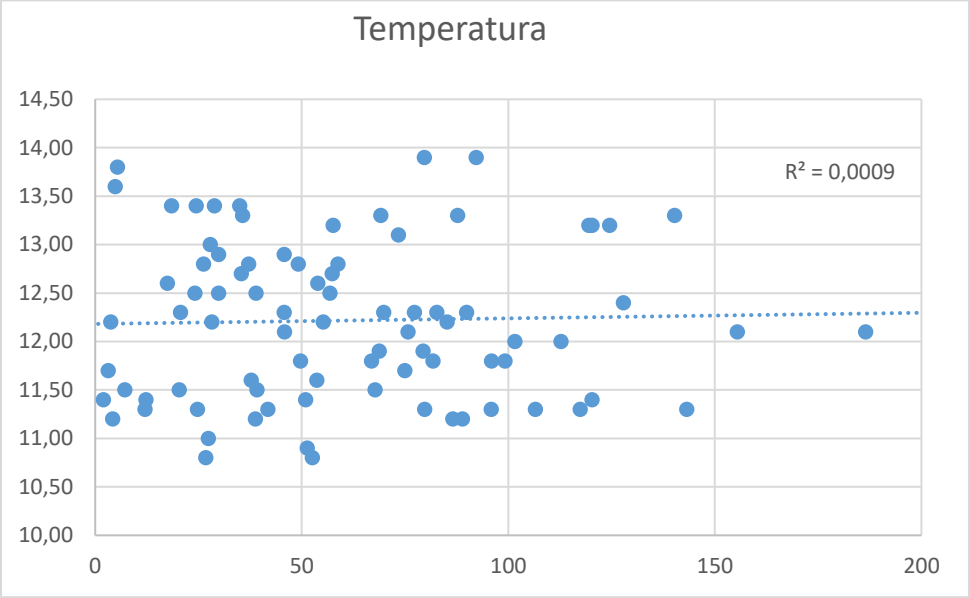
Caudal

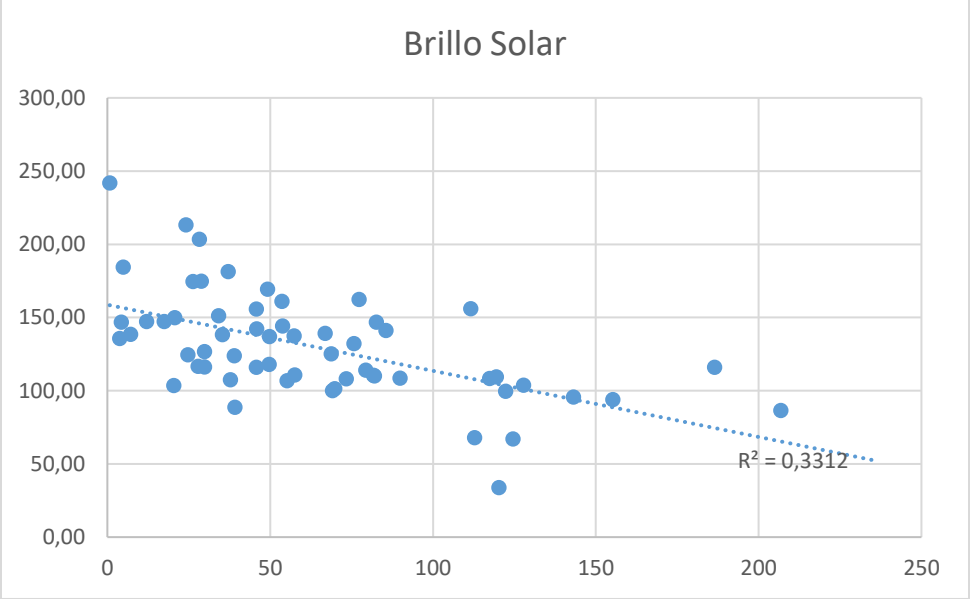

Caudal
25
20
15
10
5
0
50
100
150
200
R² = 0,0932

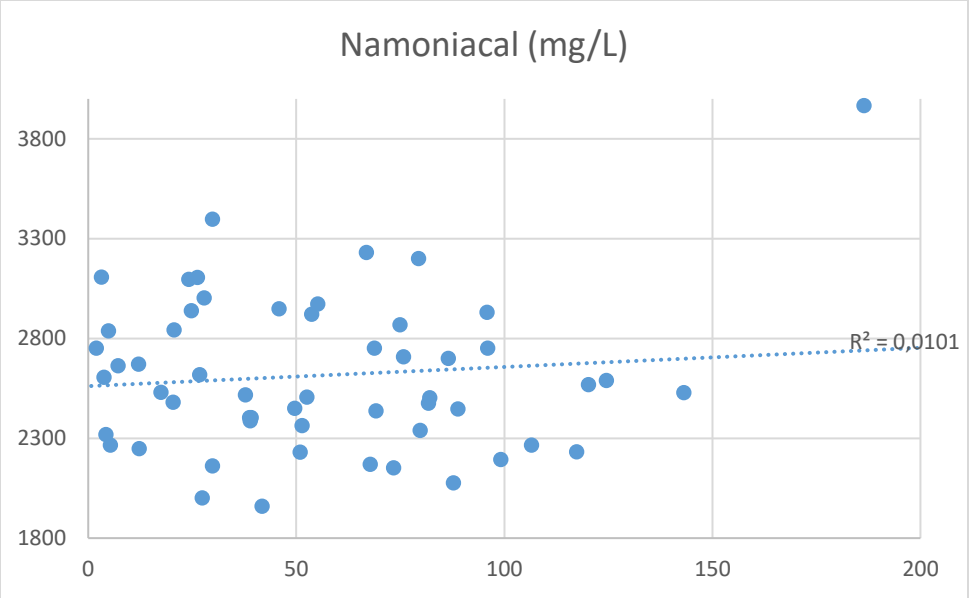
	R2	R
$N\text{-}NH_4$	0,038	0,194
Hg	0,000	0,014
Fe	0,206	0,453
Pb	0,000	0,020
Co	0,007	0,085
Cr	0,001	0,030
DQO	0,018	0,133
DBO	0,669	0,818
pH[a]	0,125	0,354
Precipitacion [b]	0,017	0,128
Temperatura [c]	0,632	0,795
Brillo Solar [d]	0,006	0,077
Caudal	0,093	0,305

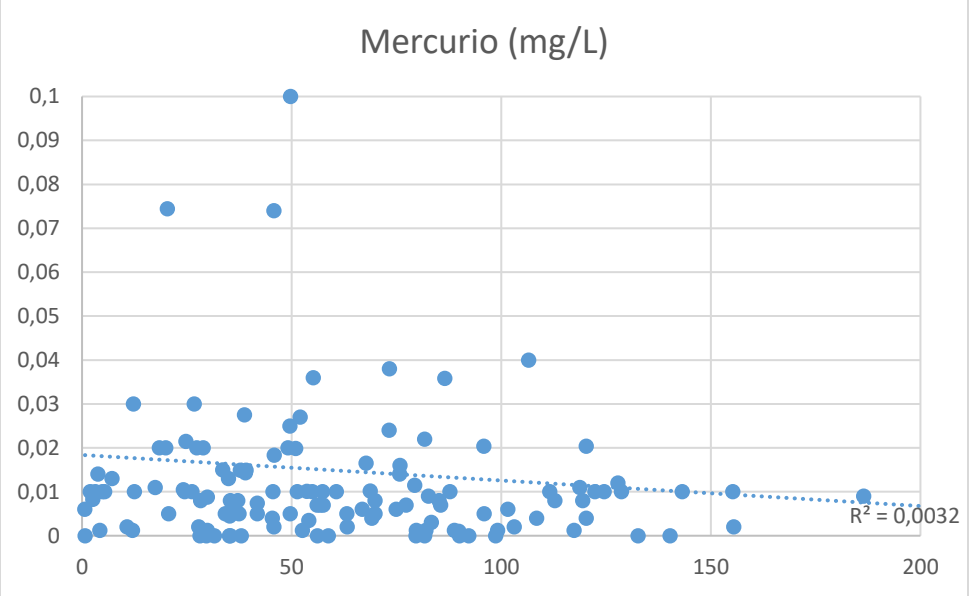
Parámetro	$N\text{-}NH_4$	Hg	Fe	Pb	Co	Cr	DQO	DBO	pH[a]	Preci.	Temp.	Brillo S.
$N\text{-}NH_4$	1											
Hg	-,164	1										
Fe	-,059	-,031	1									
Pb	**,238***	**,944****	-,009	1								
Co	**,289***	**,747****	,017	**,784****	1							
Cr	,032	-,114	-,005	**-,190***	-,028	1						
DQO	-	**,256**	-,150	**,265**	**,211**	**-,346***	1					
DBO	**-,296***	,073	-,051	,043	,047	-,031	**,939****	1				
pH[a]	,199	,075	,009	-,090	,007	,132	,048	**-,405****	1			
Precip [b]	,100	-,053	**,366****	-,035	-,027	,001	-,042	-,098	**,196***	1		
Temp [c]	,082	,061	**-,398****	,090	-,060	-,033	-,014	**-,681****	**,372****	,030	1	
Brillo S [d]	**,362***	,010	,090	,067	,143	,080	-,068	-,045	-,101	**-,576****	-,074	1

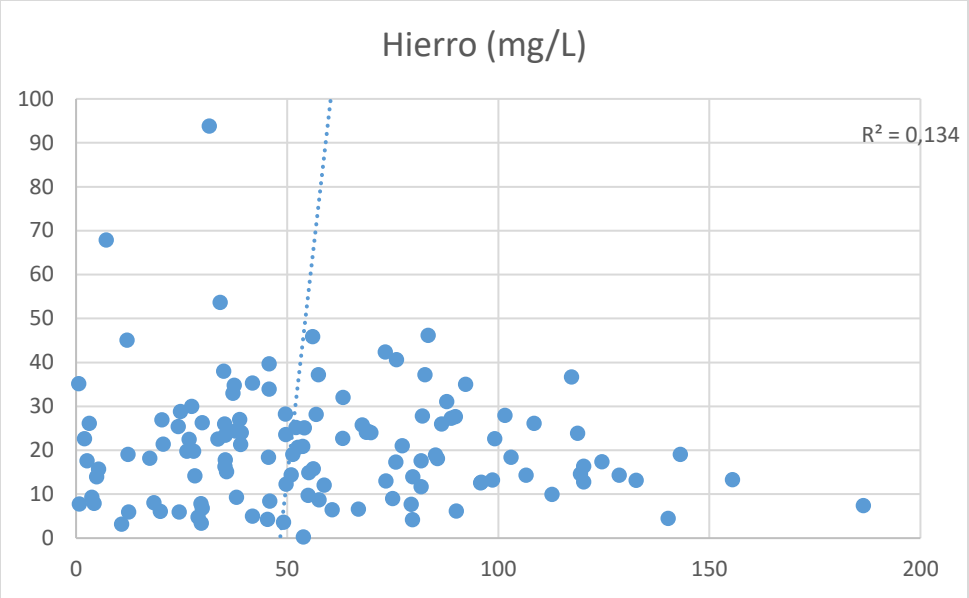
Precipitación

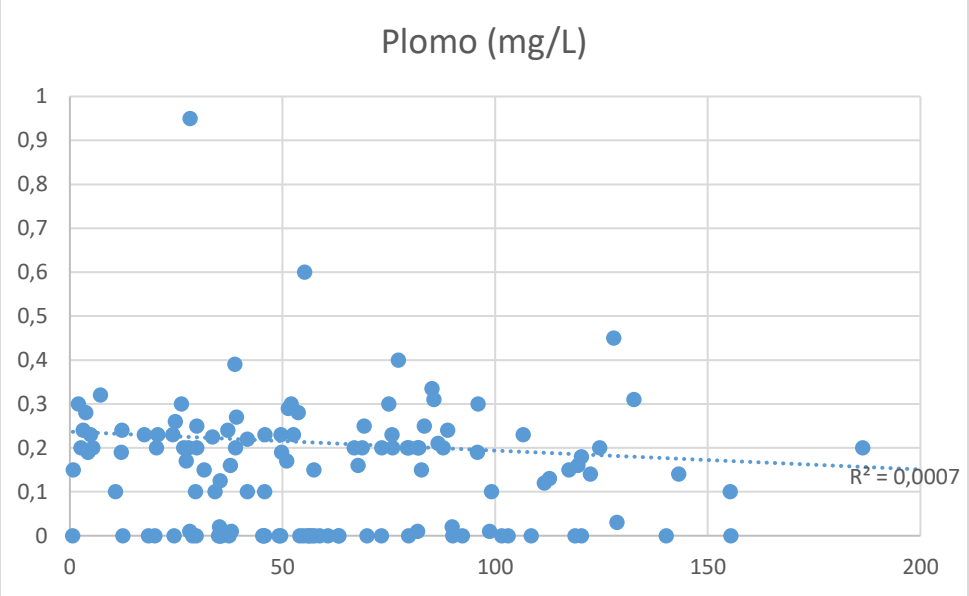


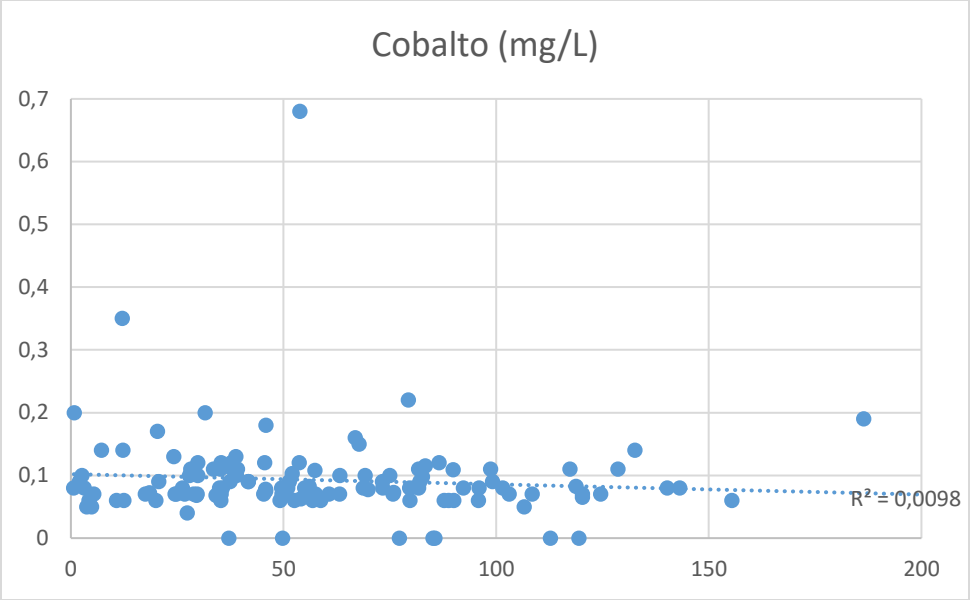


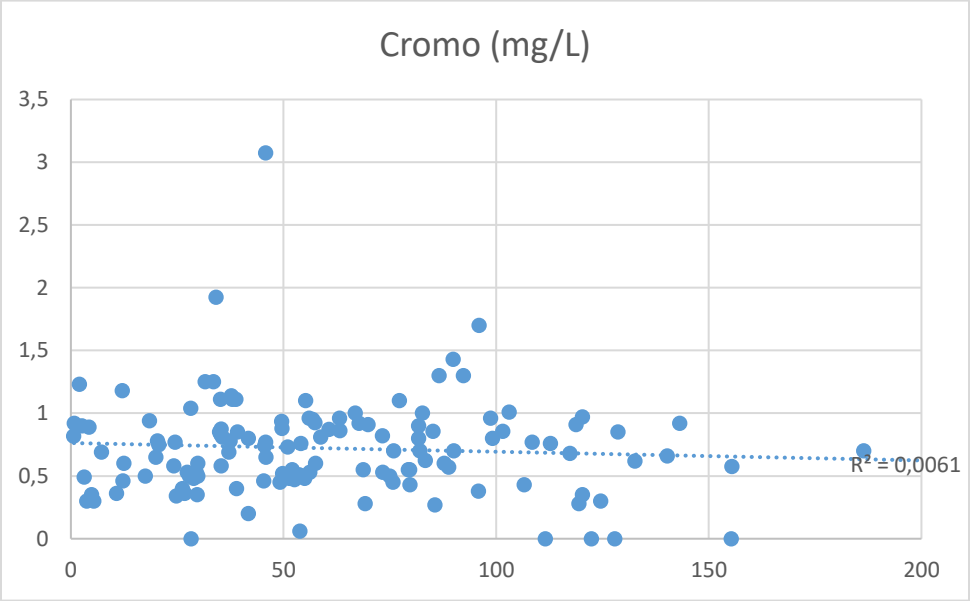

Namoniacal (mg/L)
3800
3300
2800
2300
1800
0
50
100
150
200
R² = 0,0101

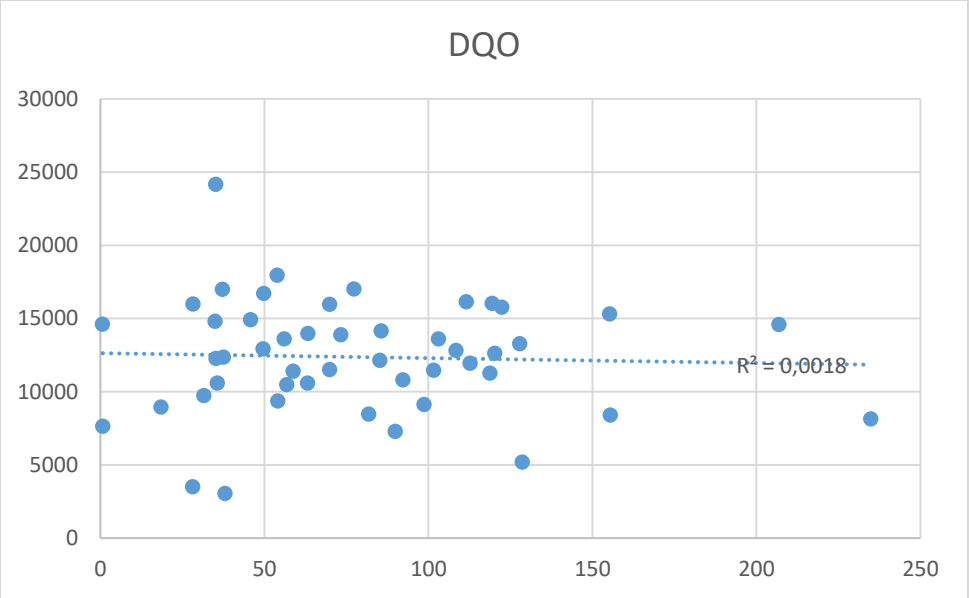

Mercurio (mg/L)
0,1
0,09
0,08
0,07
0,06
0,05
0,04
0,03
0,02
0,01
0
0
50
100
150
200
R² = 0,0032

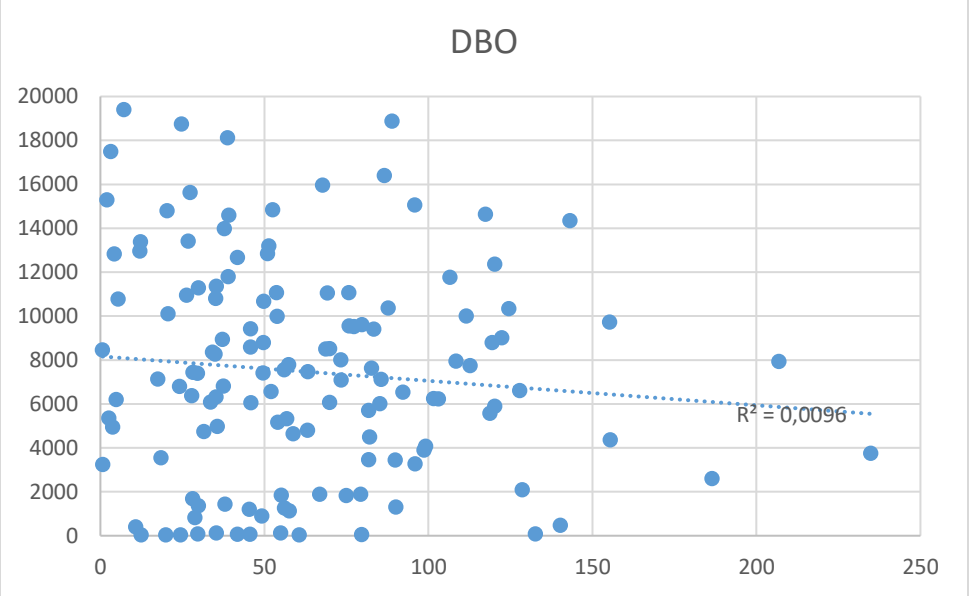

Hierro (mg/L)
100
90
80
70
60
50
40
30
20
10
0
0
50
100
150
200
R² = 0,134

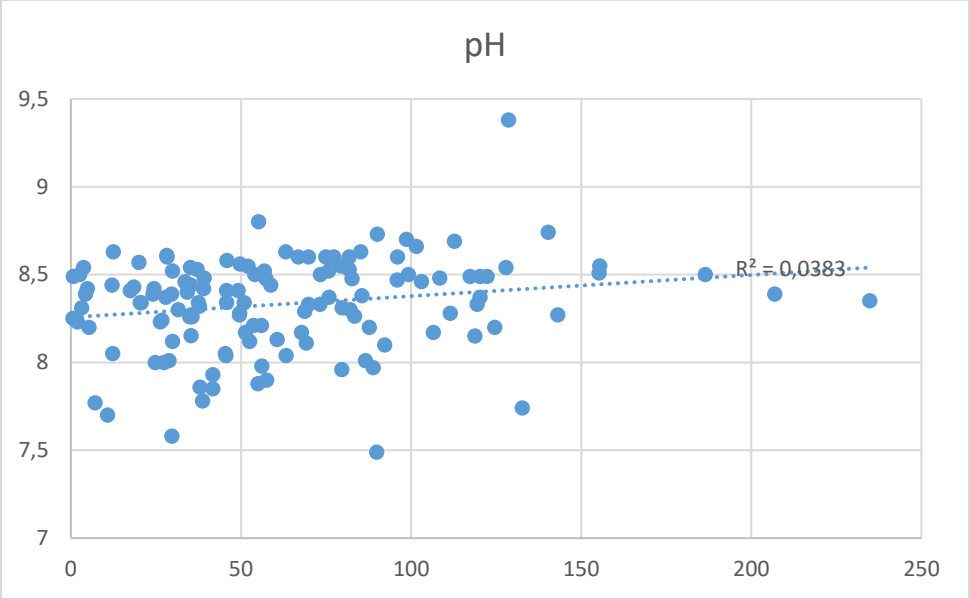

Plomo (mg/L)
1
0,9
0,8
0,7
0,6
0,5
0,4
0,3
0,2
0,1
0
0
50
100
150
200
R² = 0,0007

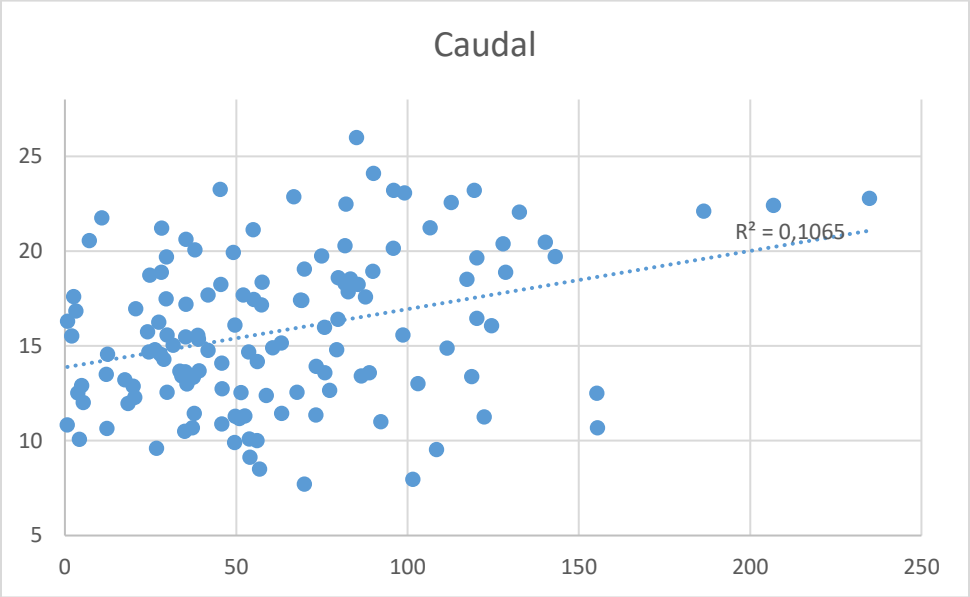

Cobalto (mg/L)
0,7
0,6
0,5
0,4
0,3
0,2
0,1
0
0
50
100
150
200
R² = 0,0098


Cromo (mg/L)
3,5
3
2,5
2
1,5
1
0,5
0
0
50
100
150
200
R² = 0,0061

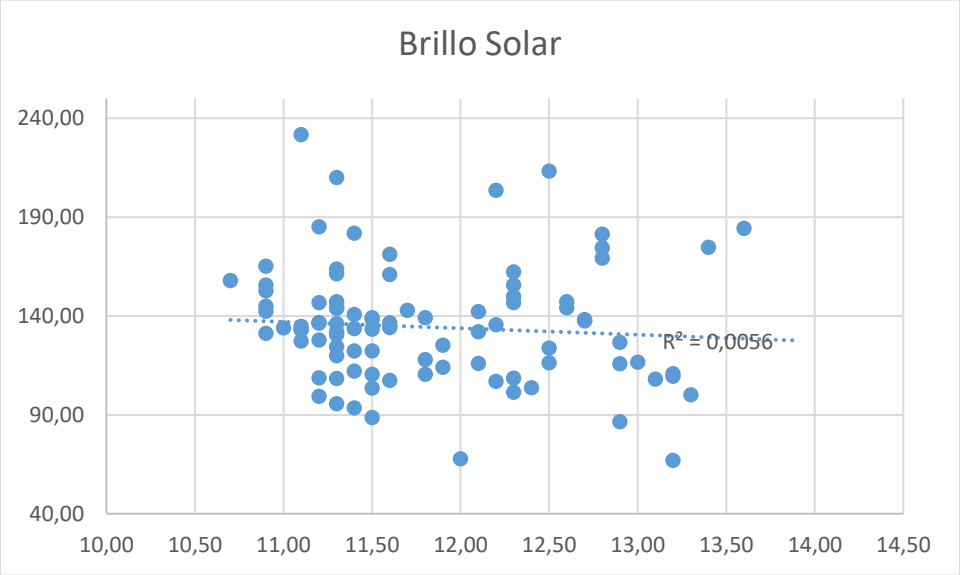

DQO
30000
25000
20000
15000
10000
5000
0
0
50
100
150
200
250
R² = 0,0018

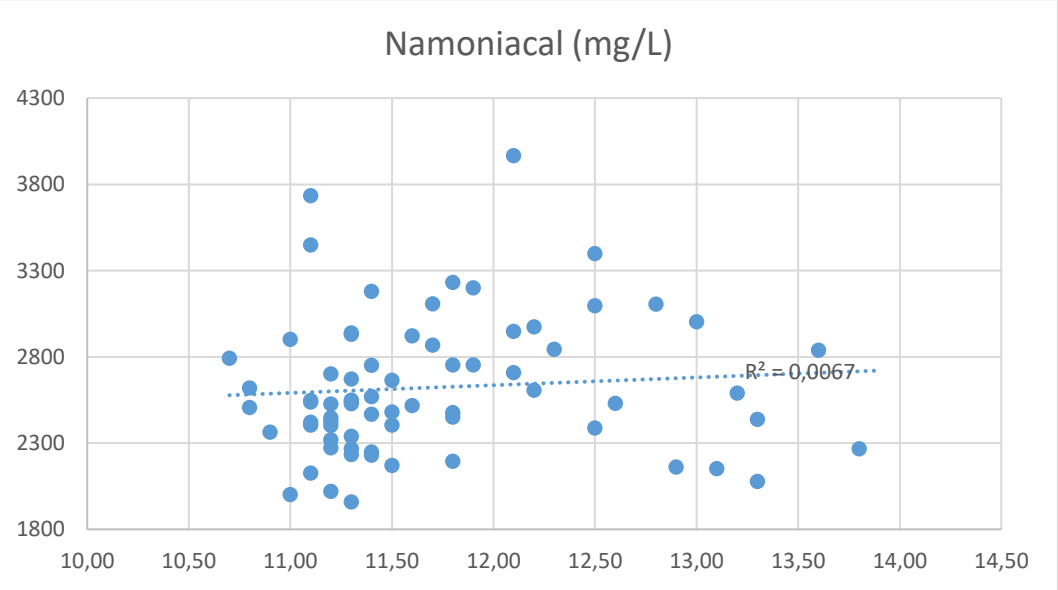

DBO
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
0
50
100
150
200
250
R² = 0,0096

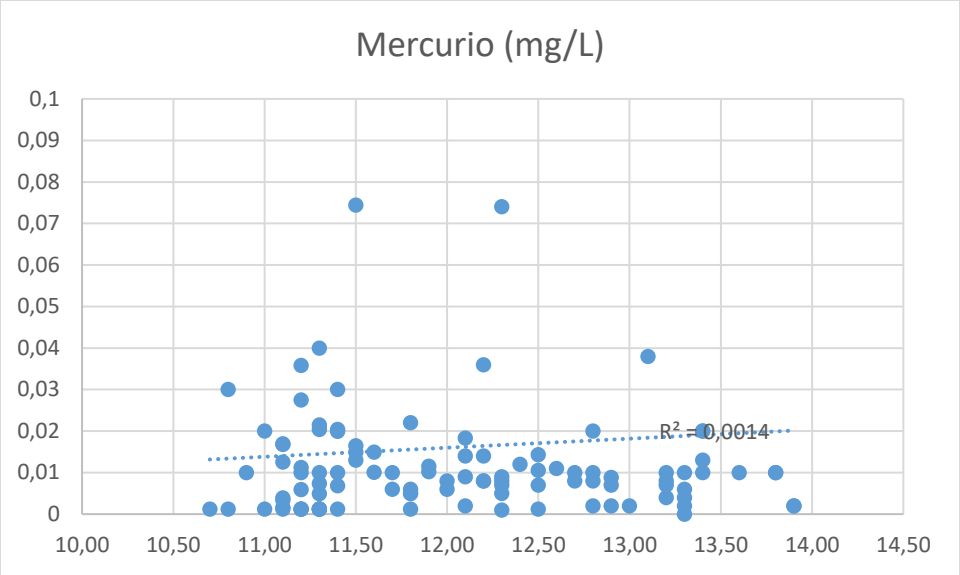

pH
9,5
9
8,5
8
7,5
7
0
50
100
150
200
250
R² = 0,0383

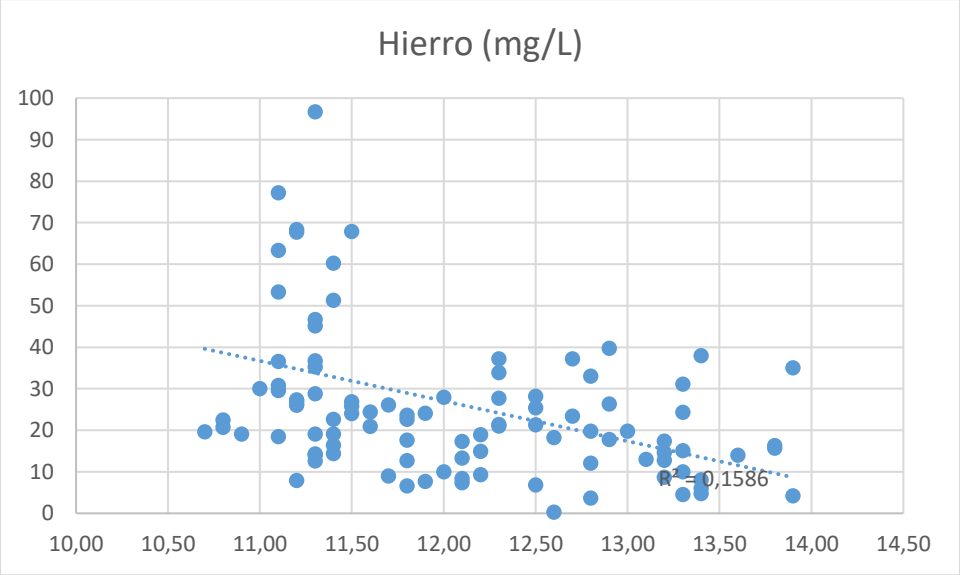

Caudal
25
20
15
10
5
0
50
100
150
200
250
R² = 0,1065

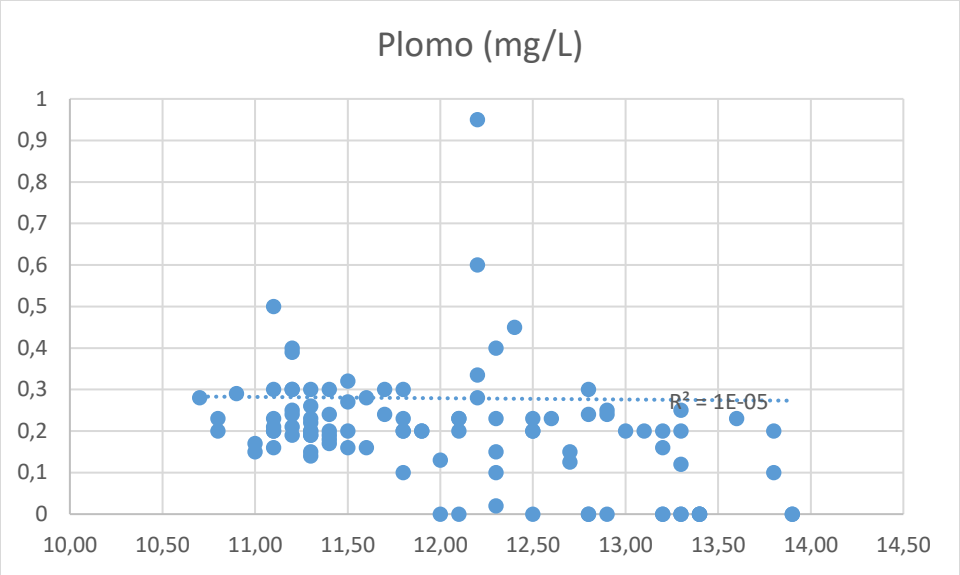
Temperatura

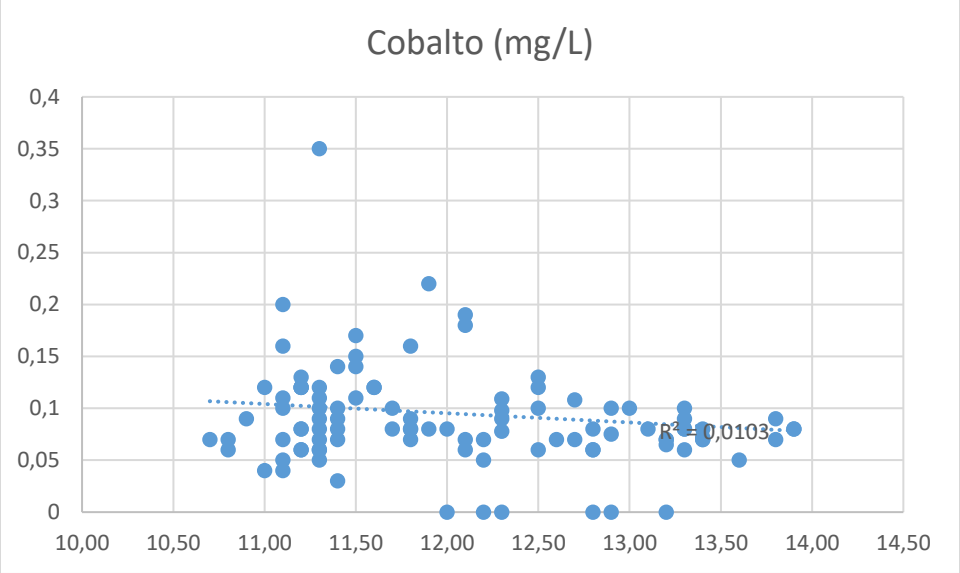


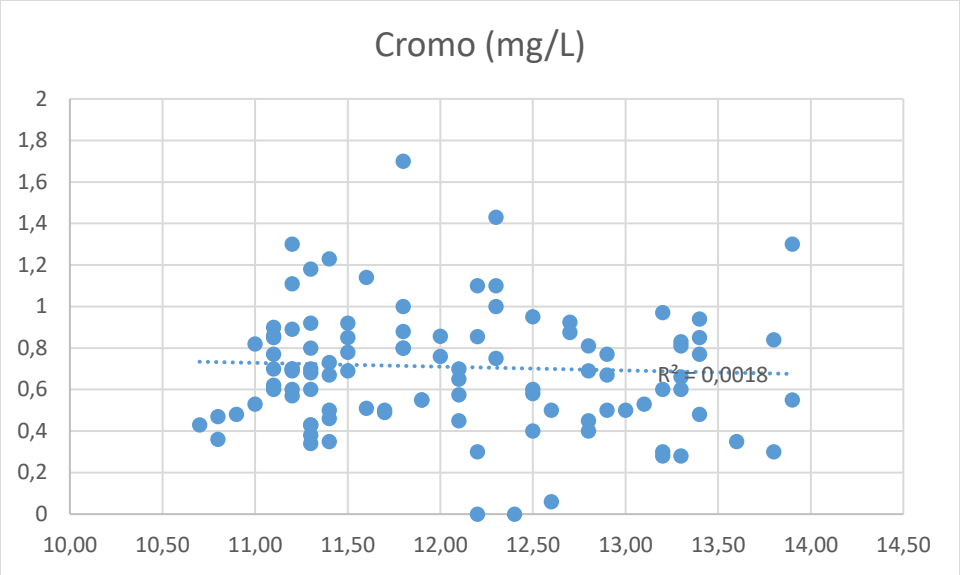


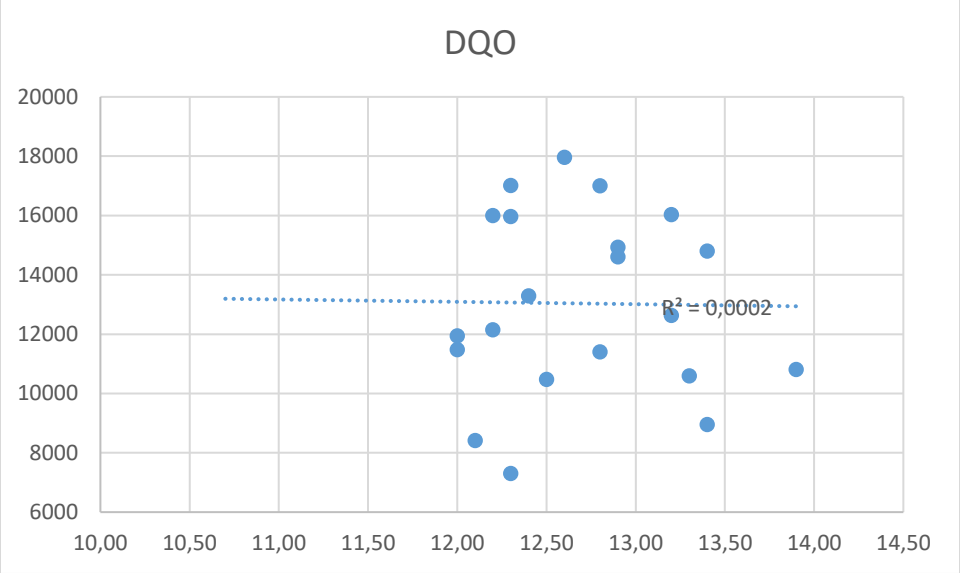

Mercurio (mg/L)
0,1
0,09
0,08
0,07
0,06
0,05
0,04
0,03
0,02
0,01
0
10,00
10,50
11,00
11,50
12,00
12,50
13,00
13,50
14,00
14,50
R² = 0,0014

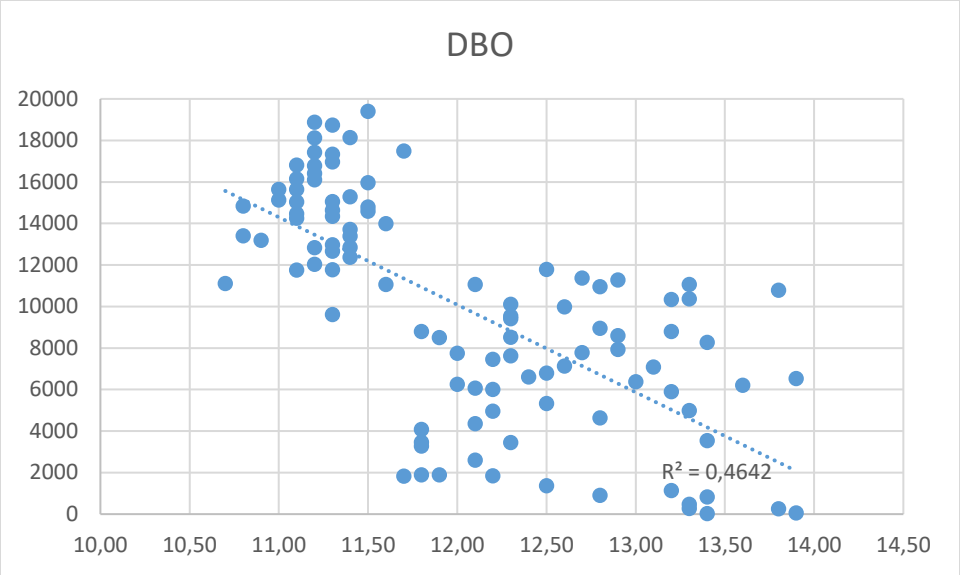

Hierro (mg/L)
100
90
80
70
60
50
40
30
20
10
0
10,00
10,50
11,00
11,50
12,00
12,50
13,00
13,50
14,00
14,50
R² = 0,1586

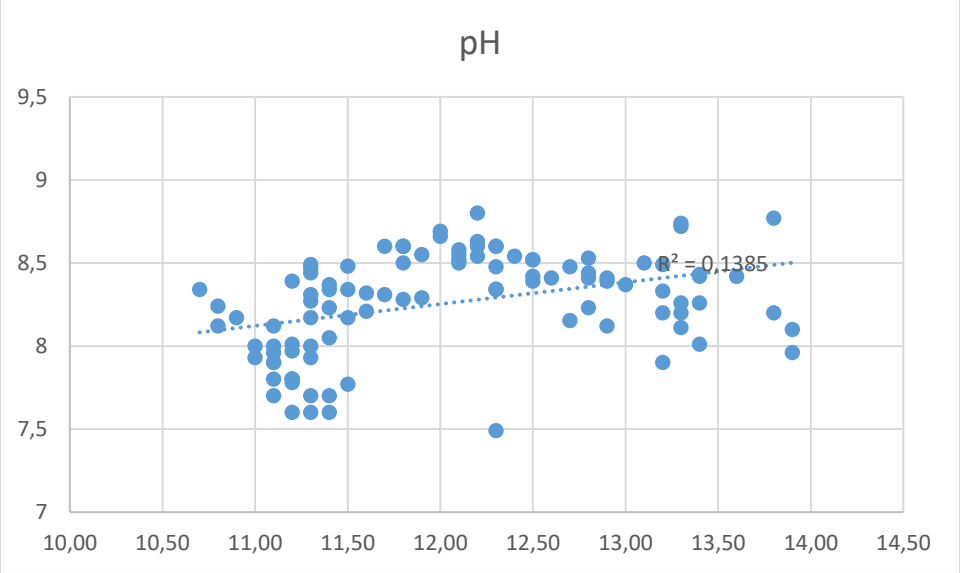

Plomo (mg/L)
1
0,9
0,8
0,7
0,6
0,5
0,4
0,3
0,2
0,1
0
10,00
10,50
11,00
11,50
12,00
12,50
13,00
13,50
14,00
14,50
R² = 1E-05

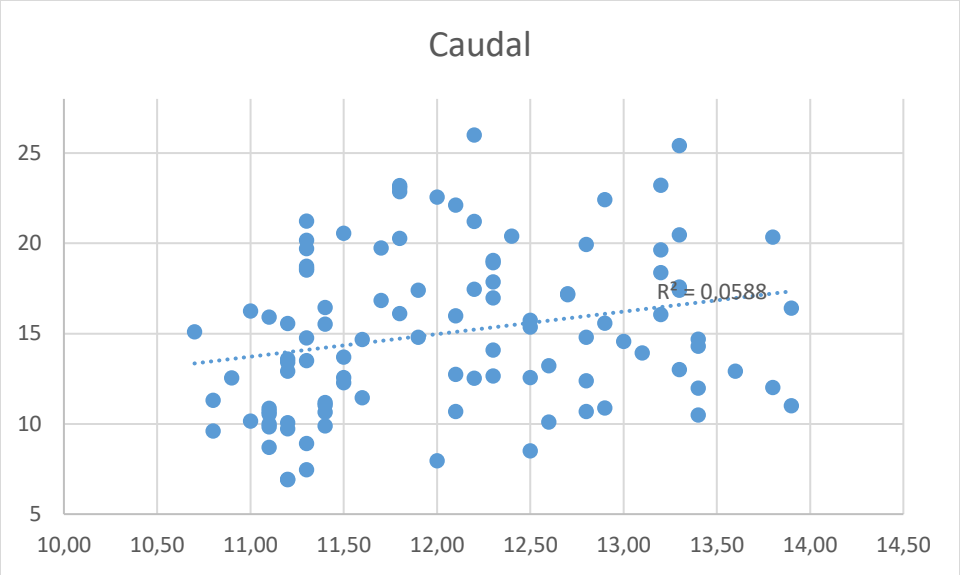

Cobalto (mg/L)
0,4
0,35
0,3
0,25
0,2
0,15
0,1
0,05
0
10,00
10,50
11,00
11,50
12,00
12,50
13,00
13,50
14,00
14,50
R² = 0,0103


Cromo (mg/L)
2
1,8
1,6
1,4
1,2
1
0,8
0,6
0,4
0,2
0
10,00
10,50
11,00
11,50
12,00
12,50
13,00
13,50
14,00
14,50
R² = 0,0018

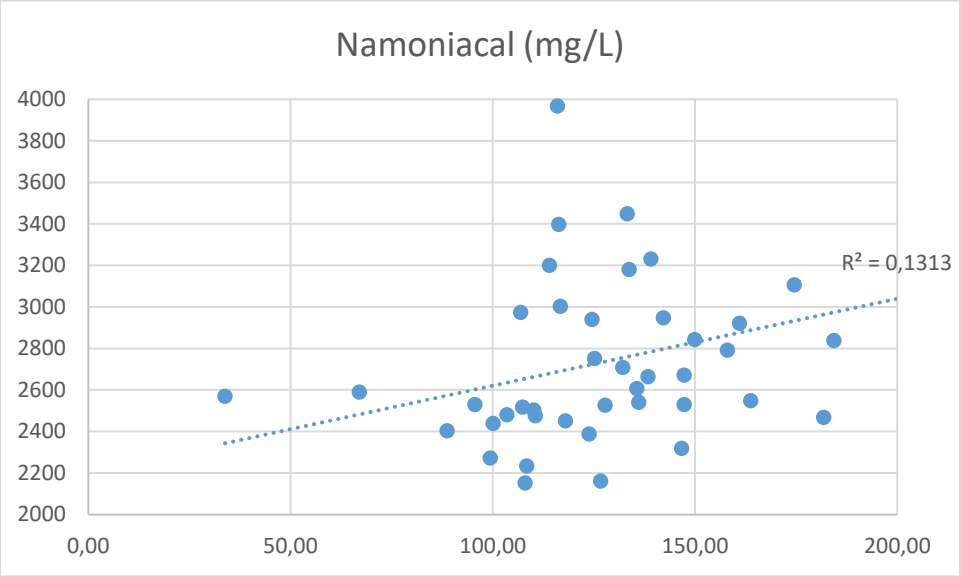

DQO
20000
18000
16000
14000
12000
10000
8000
6000
10,00
10,50
11,00
11,50
12,00
12,50
13,00
13,50
14,00
14,50
R² = 0,0002

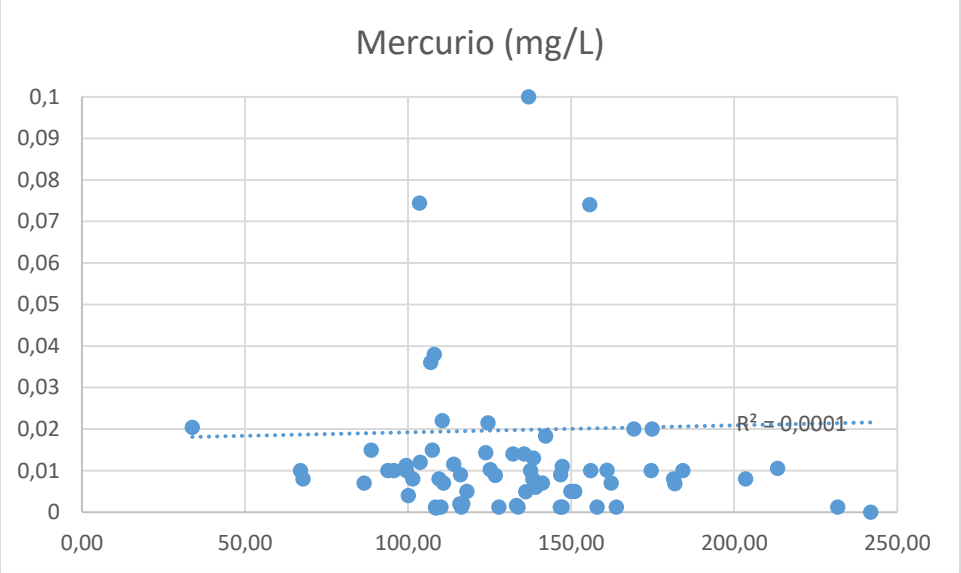

DBO
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
10,00
10,50
11,00
11,50
12,00
12,50
13,00
13,50
14,00
14,50
R² = 0,4642

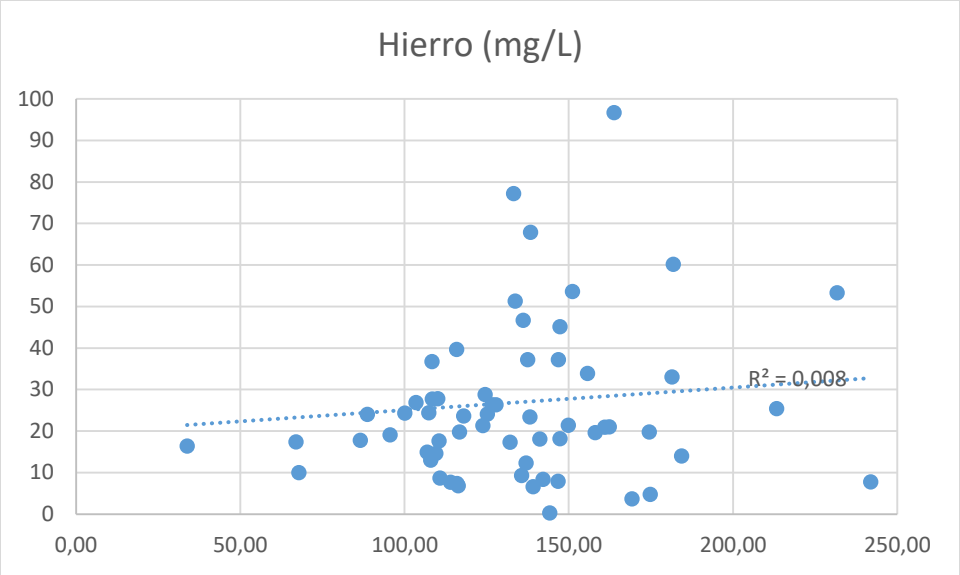

pH
9,5
9
8,5
8
7,5
7
10,00
10,50
11,00
11,50
12,00
12,50
13,00
13,50
14,00
14,50
R² = 0,1385

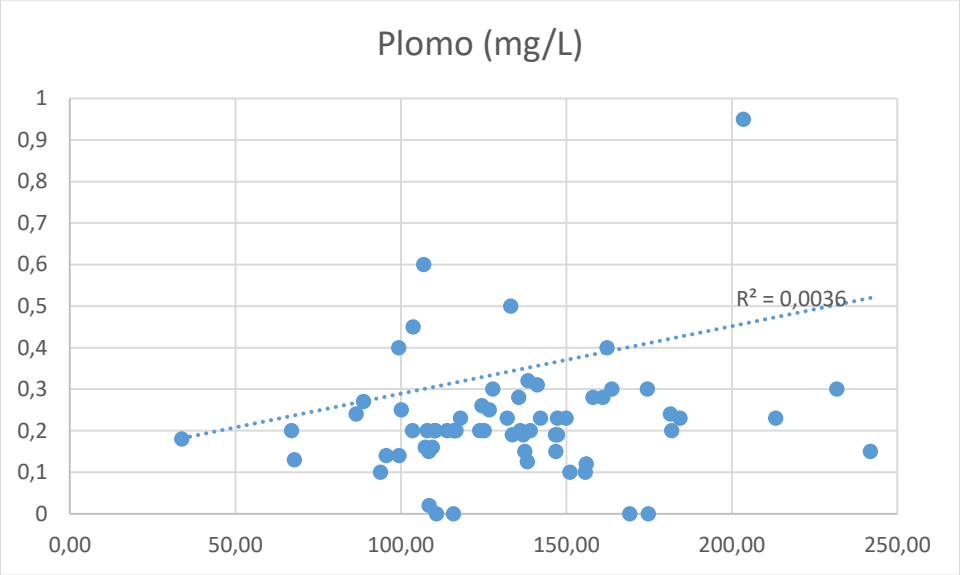

Caudal
25
20
15
10
5
10,00
10,50
11,00
11,50
12,00
12,50
13,00
13,50
14,00
14,50
R² = 0,0588

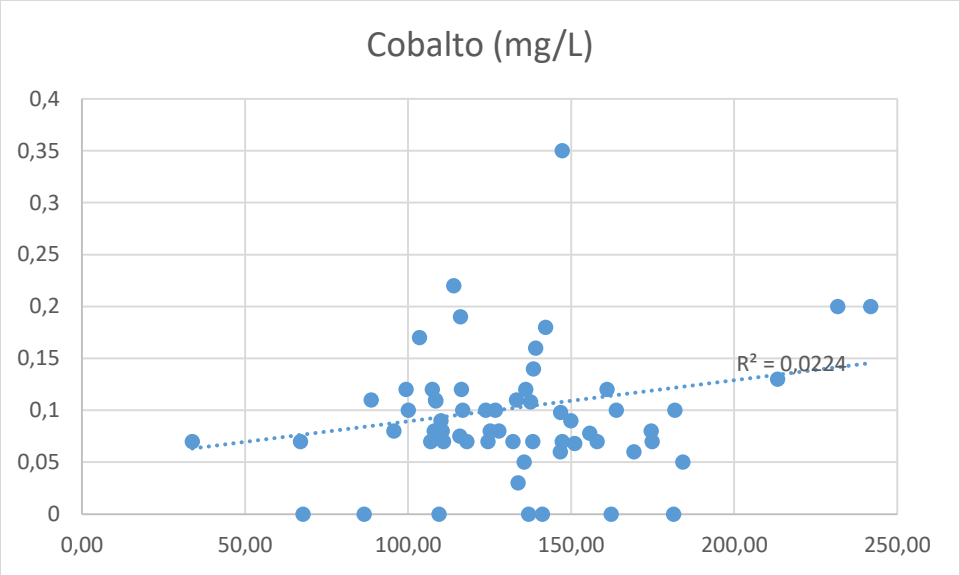
Brillo Solar

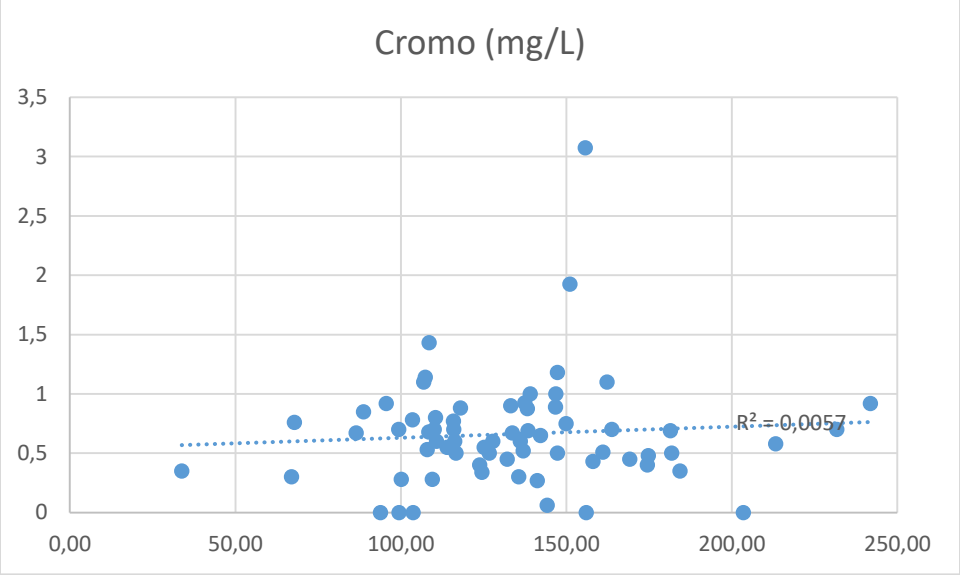


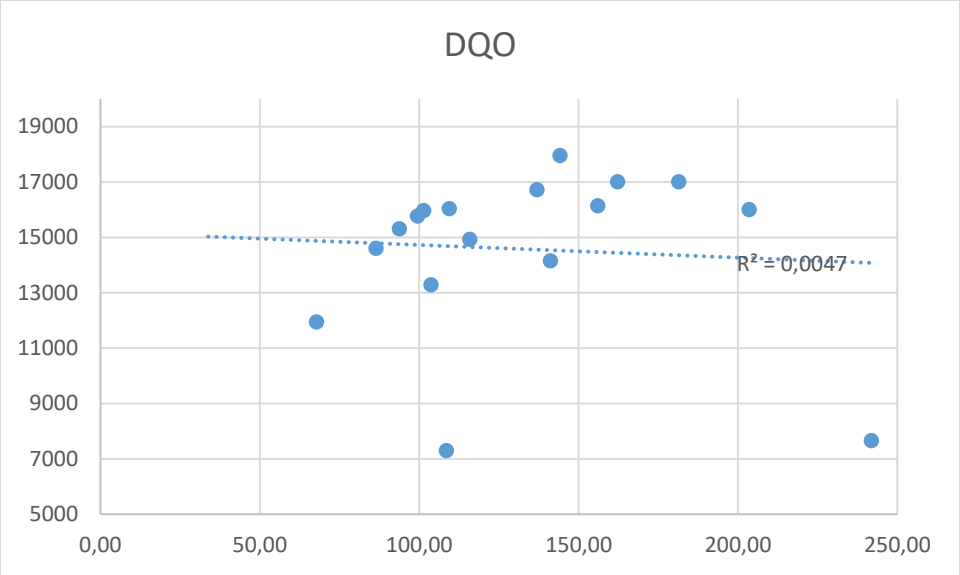


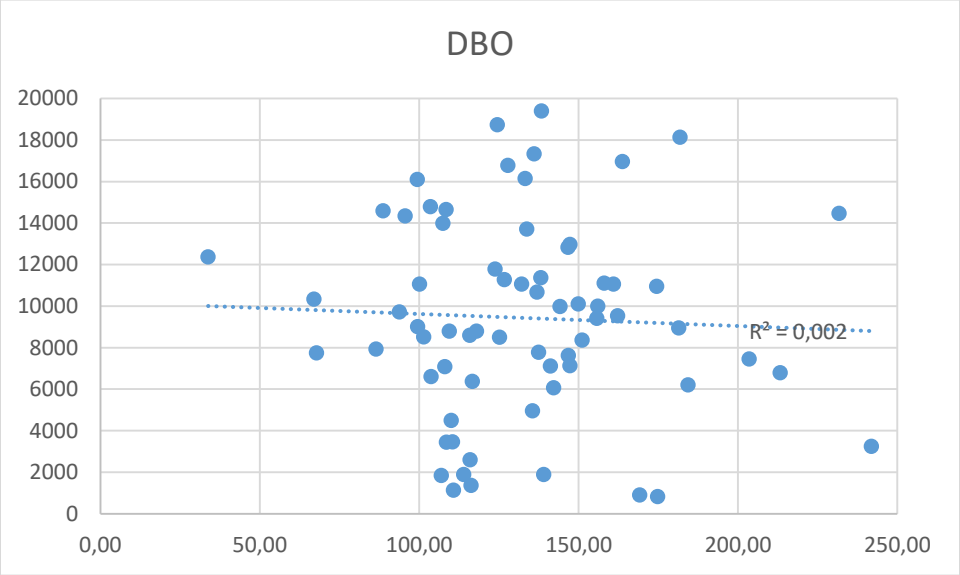

Hierro (mg/L)
100
90
80
70
60
50
40
30
20
10
0
0,00
50,00
100,00
150,00
200,00
250,00
R² = 0,008

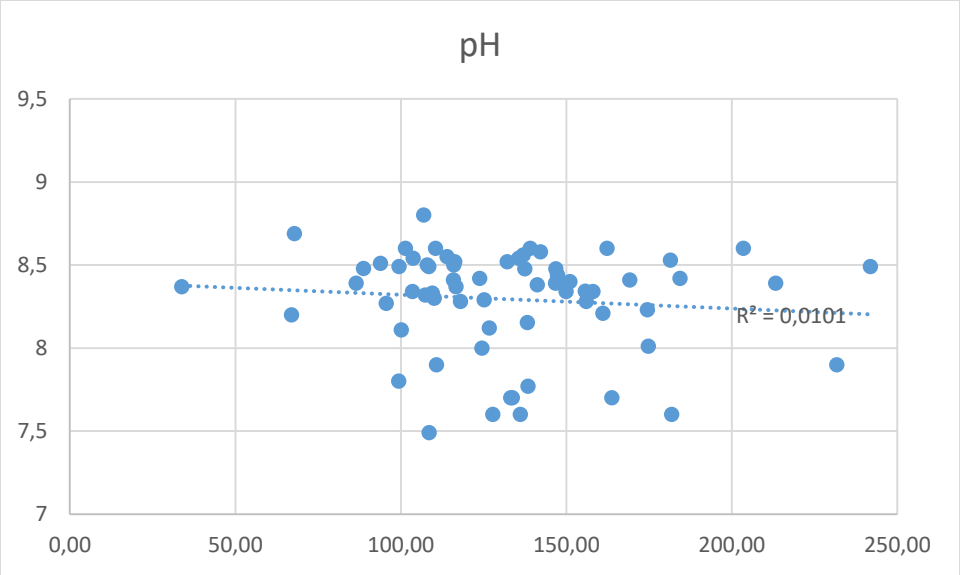

Plomo (mg/L)
1
0,9
0,8
0,7
0,6
0,5
0,4
0,3
0,2
0,1
0
0,00
50,00
100,00
150,00
200,00
250,00
R² = 0,0036

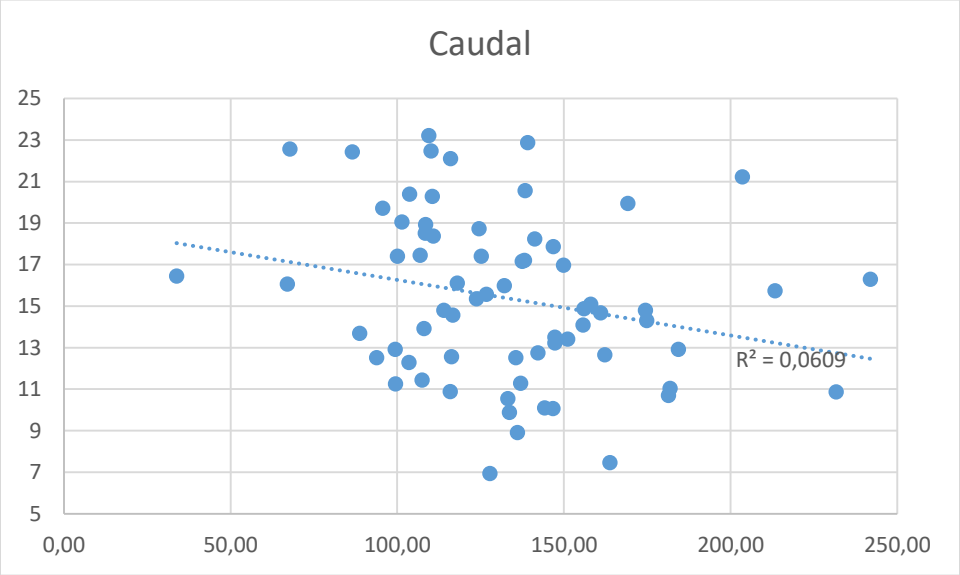

Cobalto (mg/L)
0,4
0,35
0,3
0,25
0,2
0,15
0,1
0,05
0
0,00
50,00
100,00
150,00
200,00
250,00
R² = 0,0224


Cromo (mg/L)
3,5
3
2,5
2
1,5
1
0,5
0
0,00
50,00
100,00
150,00
200,00
250,00
R² = 0,0057

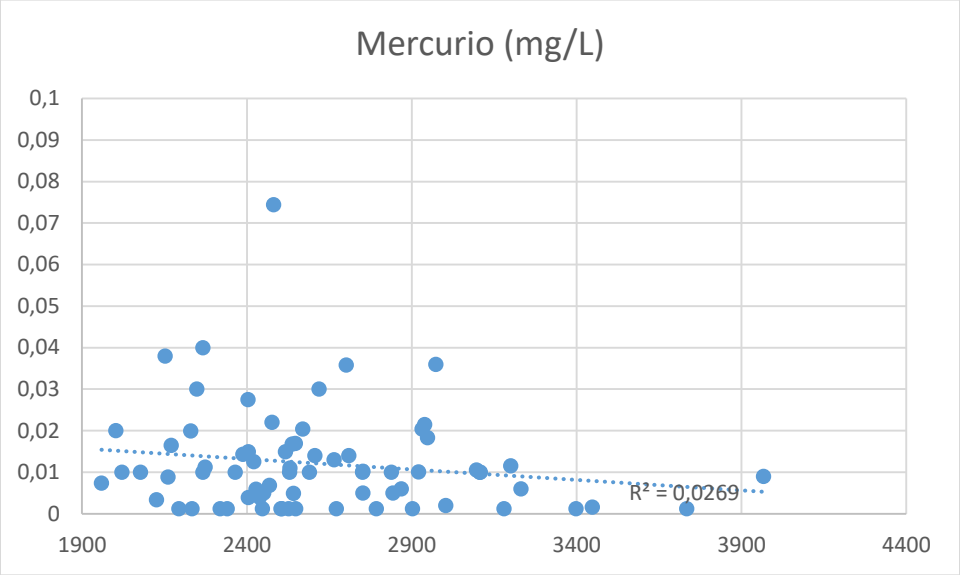

DQO
19000
17000
15000
13000
11000
9000
7000
5000
0,00
50,00
100,00
150,00
200,00
250,00
R² = 0,0047

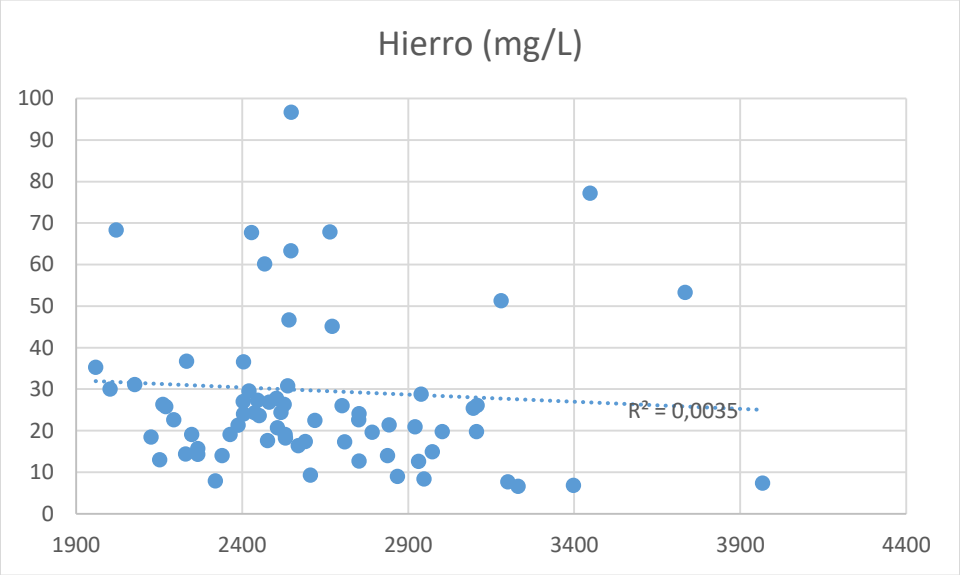

DBO
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
0,00
50,00
100,00
150,00
200,00
250,00
R² = 0,002

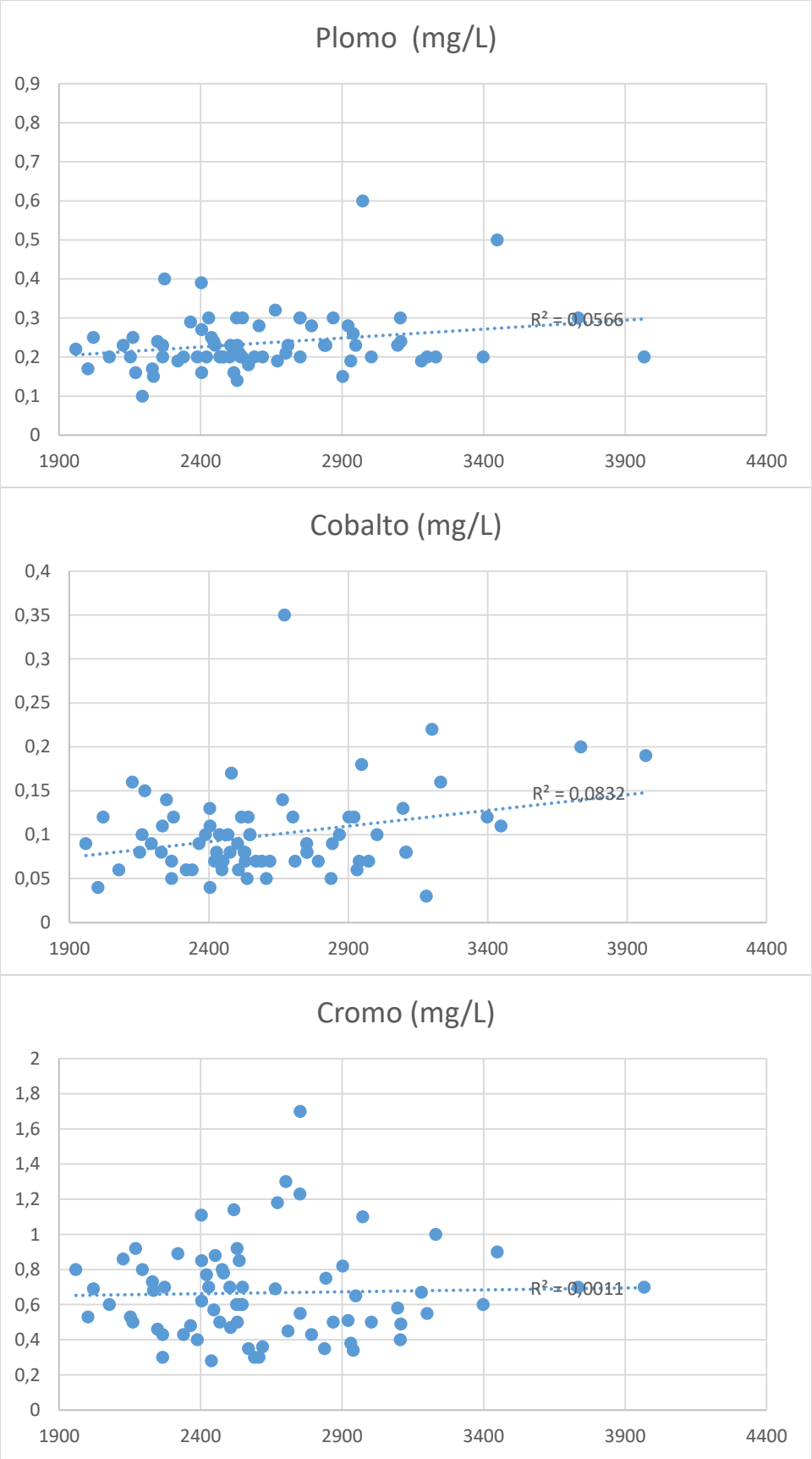

pH
9,5
9
8,5
8
7,5
7
0,00
50,00
100,00
150,00
200,00
250,00
R² = 0,0101

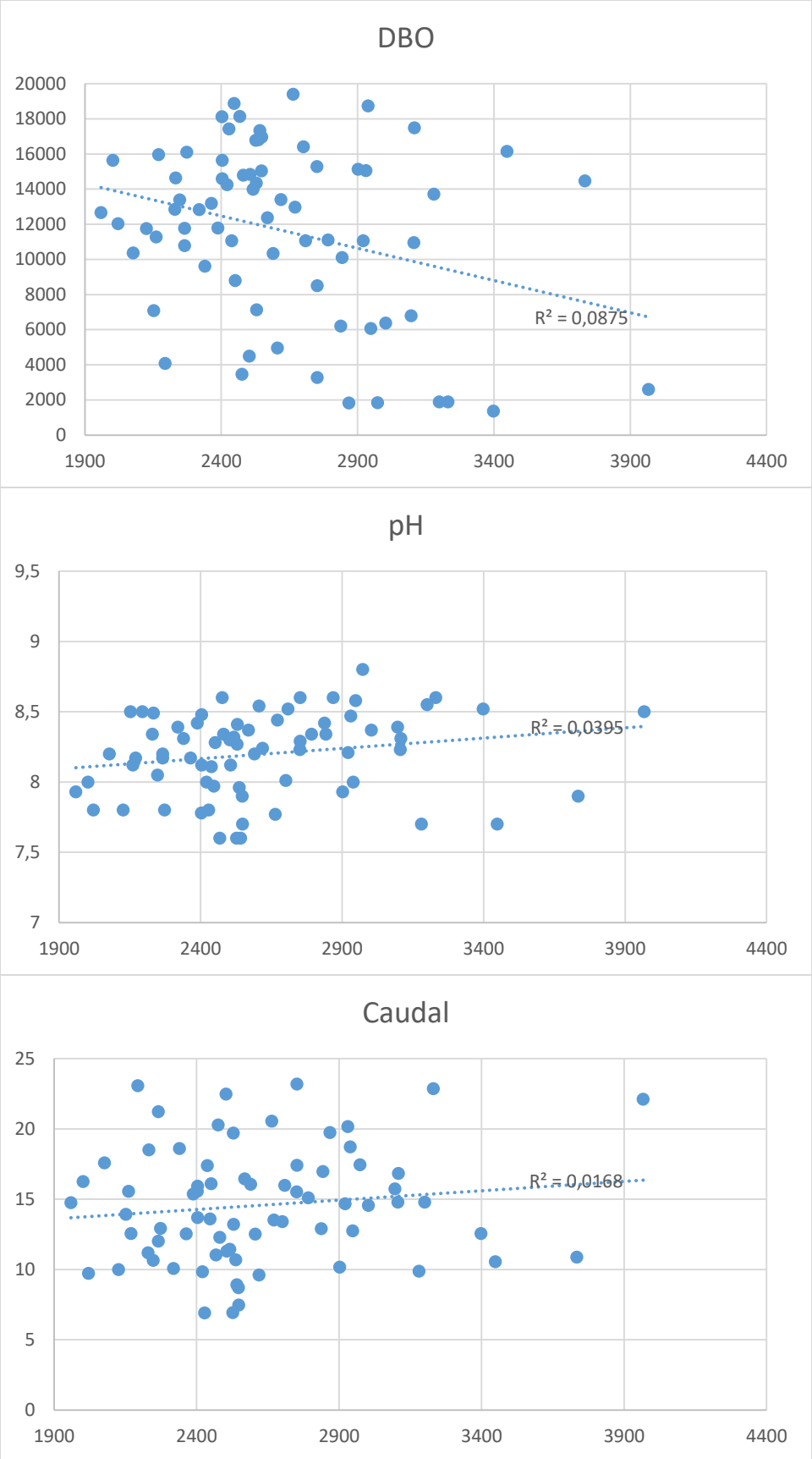

Caudal
25
23
21
19
17
15
13
11
9
7
5
0,00
50,00
100,00
150,00
200,00
250,00
R² = 0,0609

Nitrógeno Amoniacal

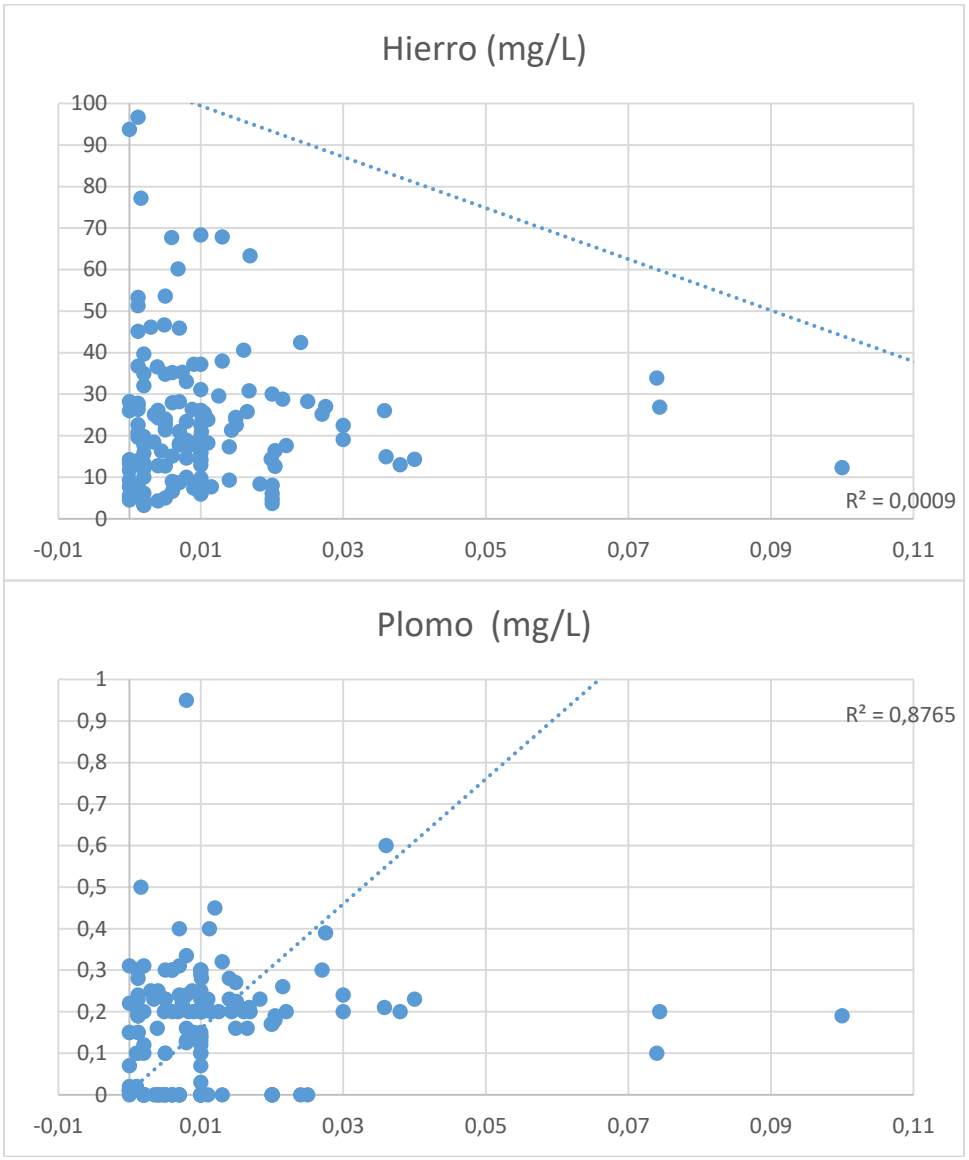


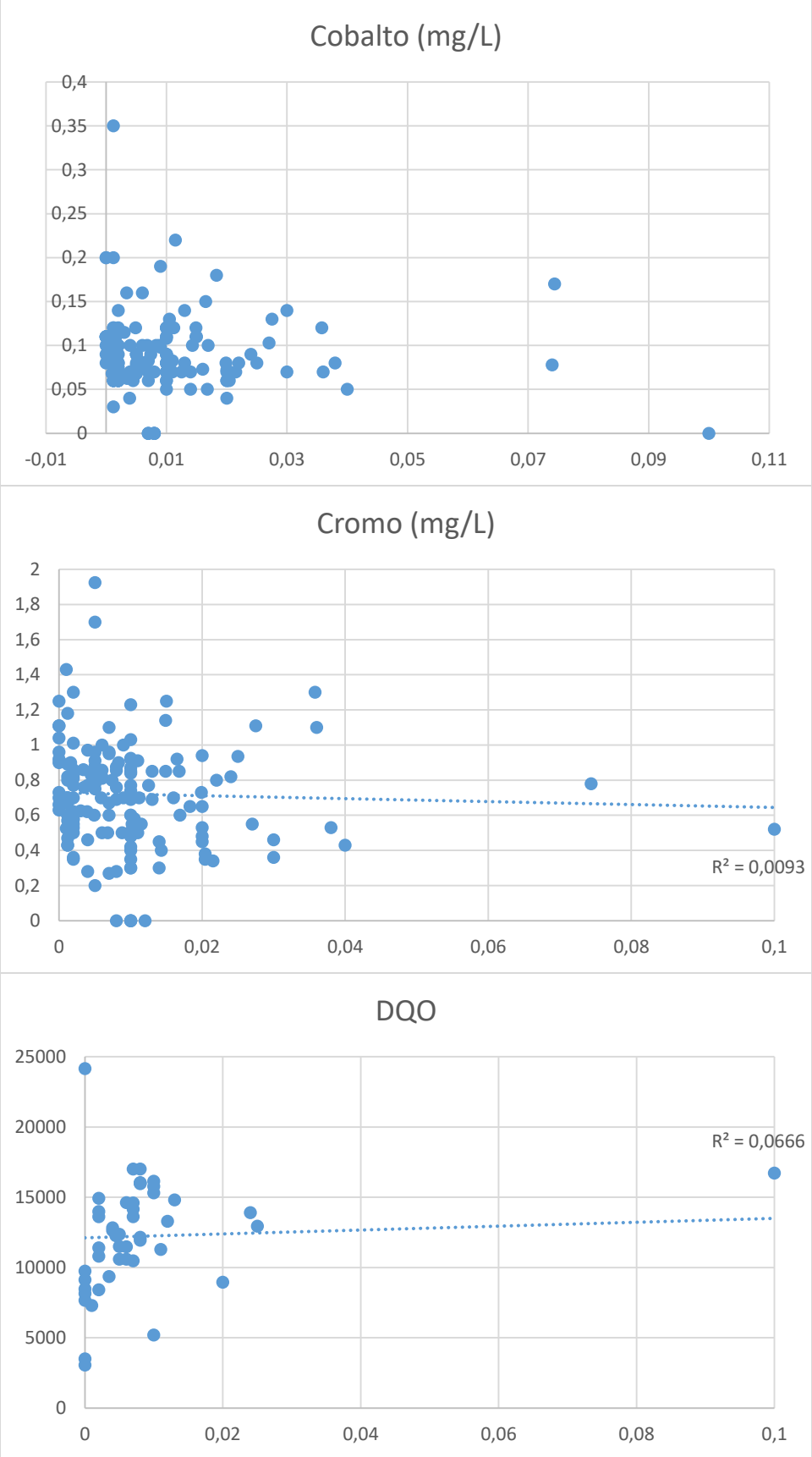


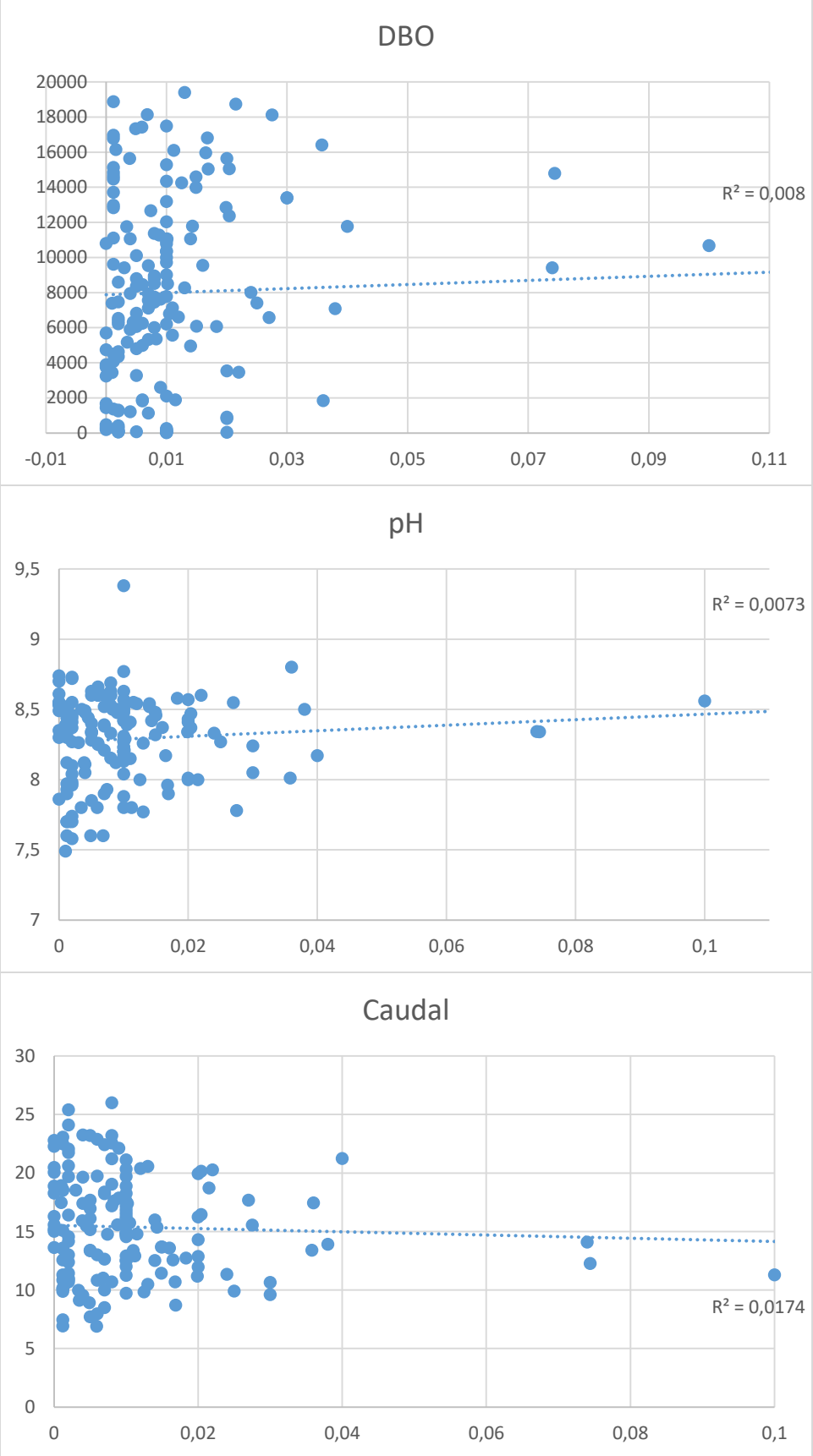

Plomo (mg/L)
0,9
0,8
0,7
0,6
0,5
0,4
0,3
0,2
0,1
0
1900
2400
2900
3400
3900
4400
R² = 0,0566
Cobalto (mg/L)
0,4
0,35
0,3
0,25
0,2
0,15
0,1
0,05
0
1900
2400
2900
3400
3900
4400
R² = 0,0832
Cromo (mg/L)
2
1,8
1,6
1,4
1,2
1
0,8
0,6
0,4
0,2
0
1900
2400
2900
3400
3900
4400
R² = 0,0011


DBO
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
1900
2400
2900
3400
3900
4400
R² = 0,0875
pH
9,5
9
8,5
8
7,5
7
1900
2400
2900
3400
3900
4400
R² = 0,0395
Caudal
25
20
15
10
5
0
1900
2400
2900
3400
3900
4400
R² = 0,0168

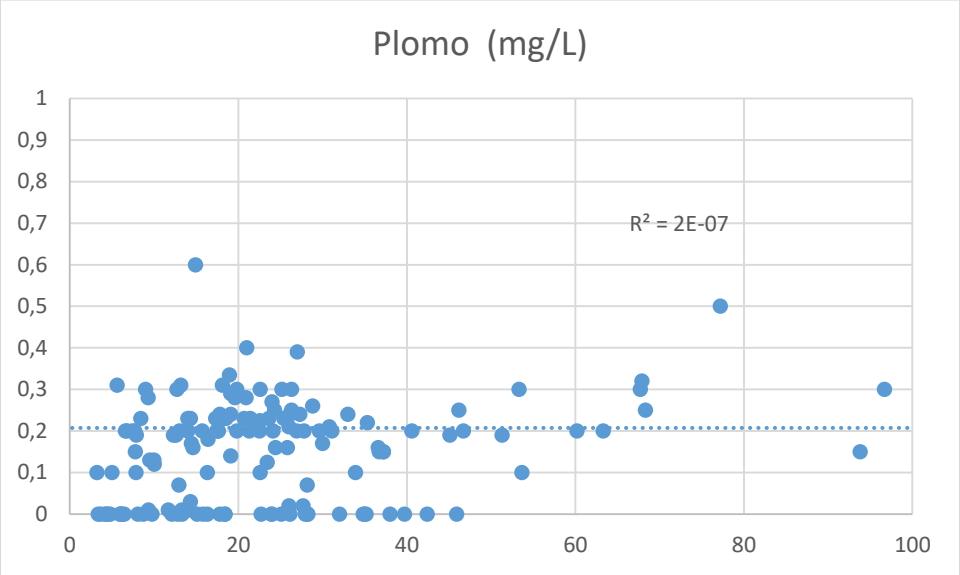
Mercurio

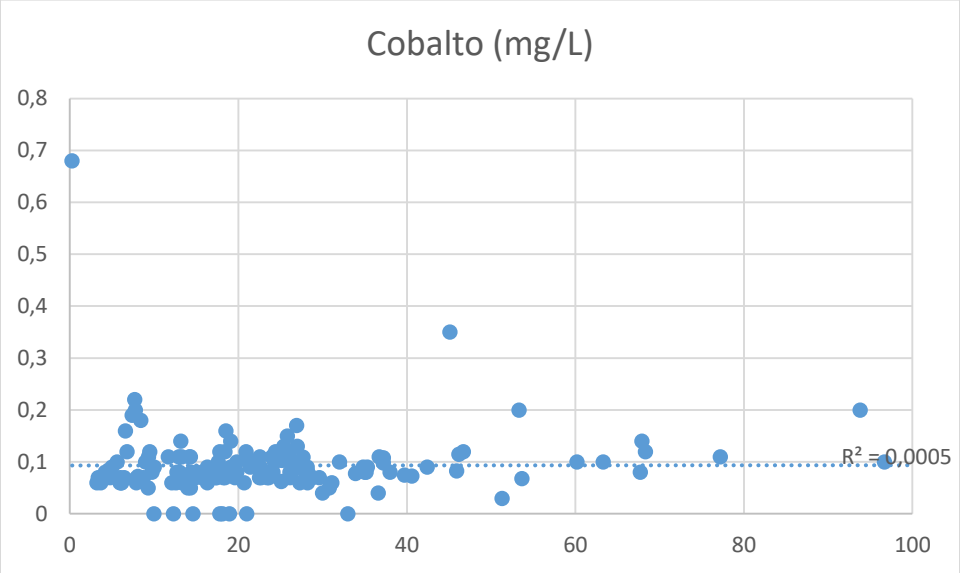

Hierro (mg/L)
100
90
80
70
60
50
40
30
20
10
0
-0,01
0,01
0,03
0,05
0,07
0,09
0,11
R² = 0,0009
Plomo (mg/L)
1
0,9
0,8
0,7
0,6
0,5
0,4
0,3
0,2
0,1
0
-0,01
0,01
0,03
0,05
0,07
0,09
0,11
R² = 0,8765

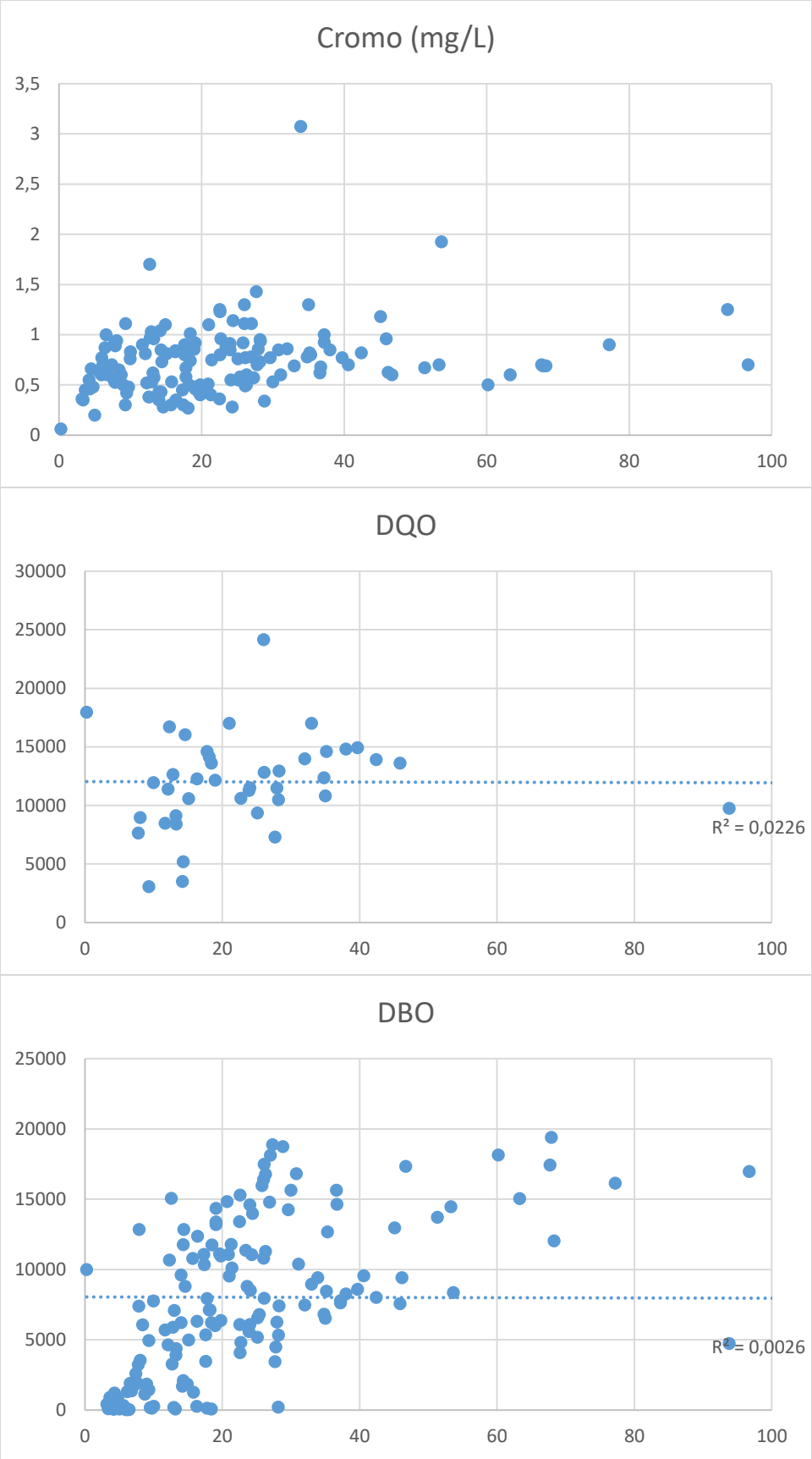

Cobalto (mg/L)
0,4
0,35
0,3
0,25
0,2
0,15
0,1
0,05
0
-0,01
0,01
0,03
0,05
0,07
0,09
0,11
Cromo (mg/L)
2
1,8
1,6
1,4
1,2
1
0,8
0,6
0,4
0,2
0
0
0,02
0,04
0,06
0,08
0,1
R² = 0,0093
DQO
25000
20000
15000
10000
5000
0
0
0,02
0,04
0,06
0,08
0,1
R² = 0,0666

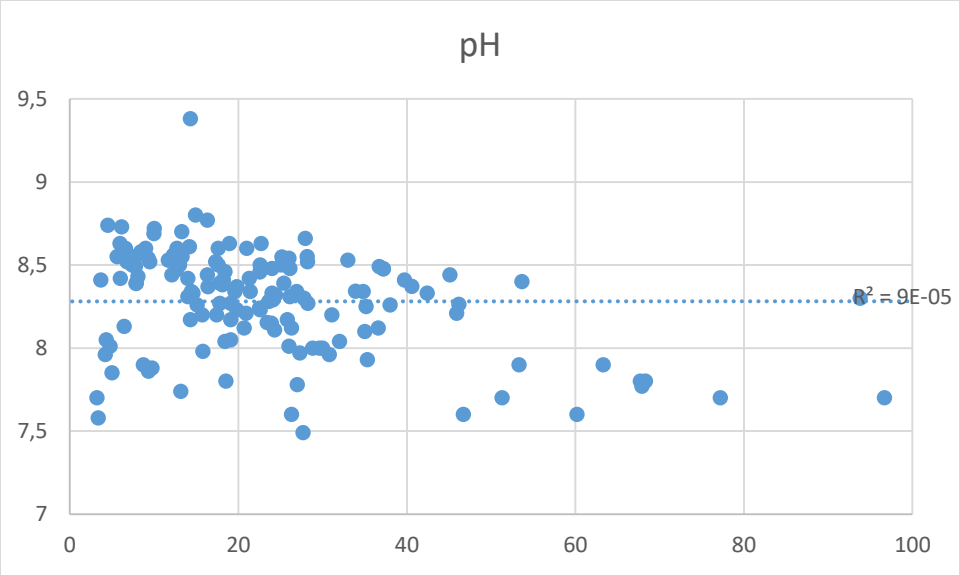

DBO
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
-0,01
0,01
0,03
0,05
0,07
0,09
0,11
R² = 0,008
pH
9,5
9
8,5
8
7,5
7
0
0,02
0,04
0,06
0,08
0,1
R² = 0,0073
Caudal
30
25
20
15
10
5
0
0
0,02
0,04
0,06
0,08
0,1
R² = 0,0174

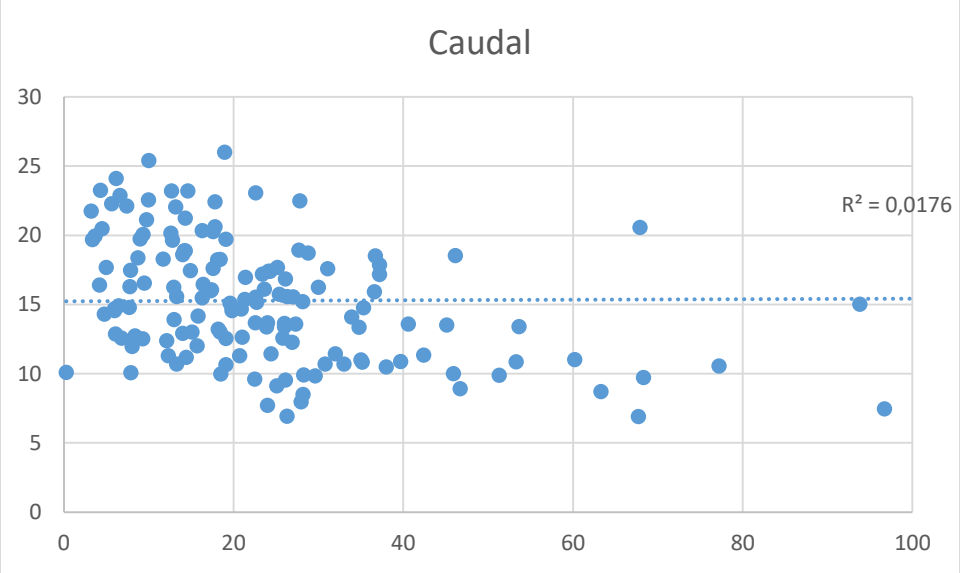
Hierro


Plomo (mg/L)
1
0,9
0,8
0,7
0,6
0,5
0,4
0,3
0,2
0,1
0
0
20
40
60
80
100
R² = 2E-07

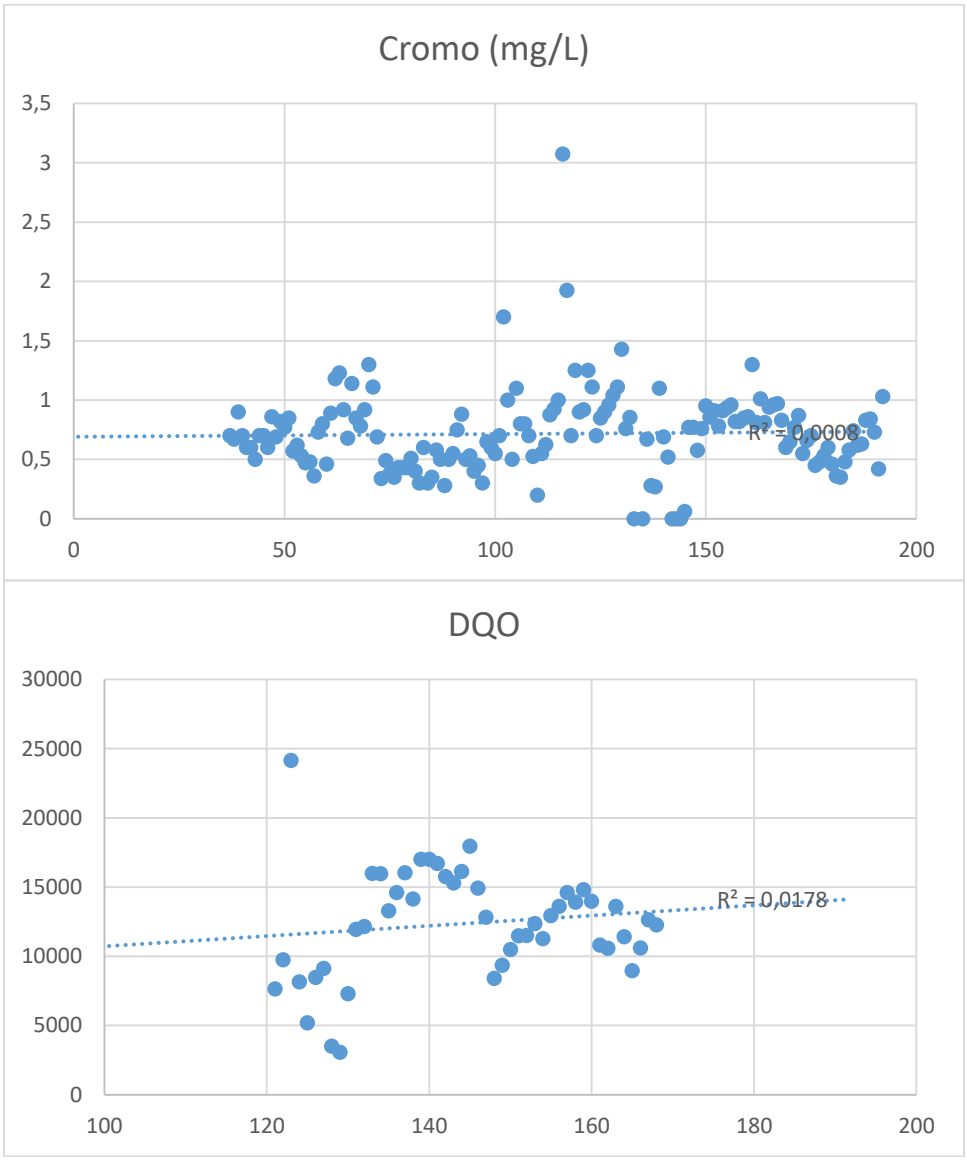

Cobalto (mg/L)
0,8
0,7
0,6
0,5
0,4
0,3
0,2
0,1
0
0
20
40
60
80
100
R² = 0,0005

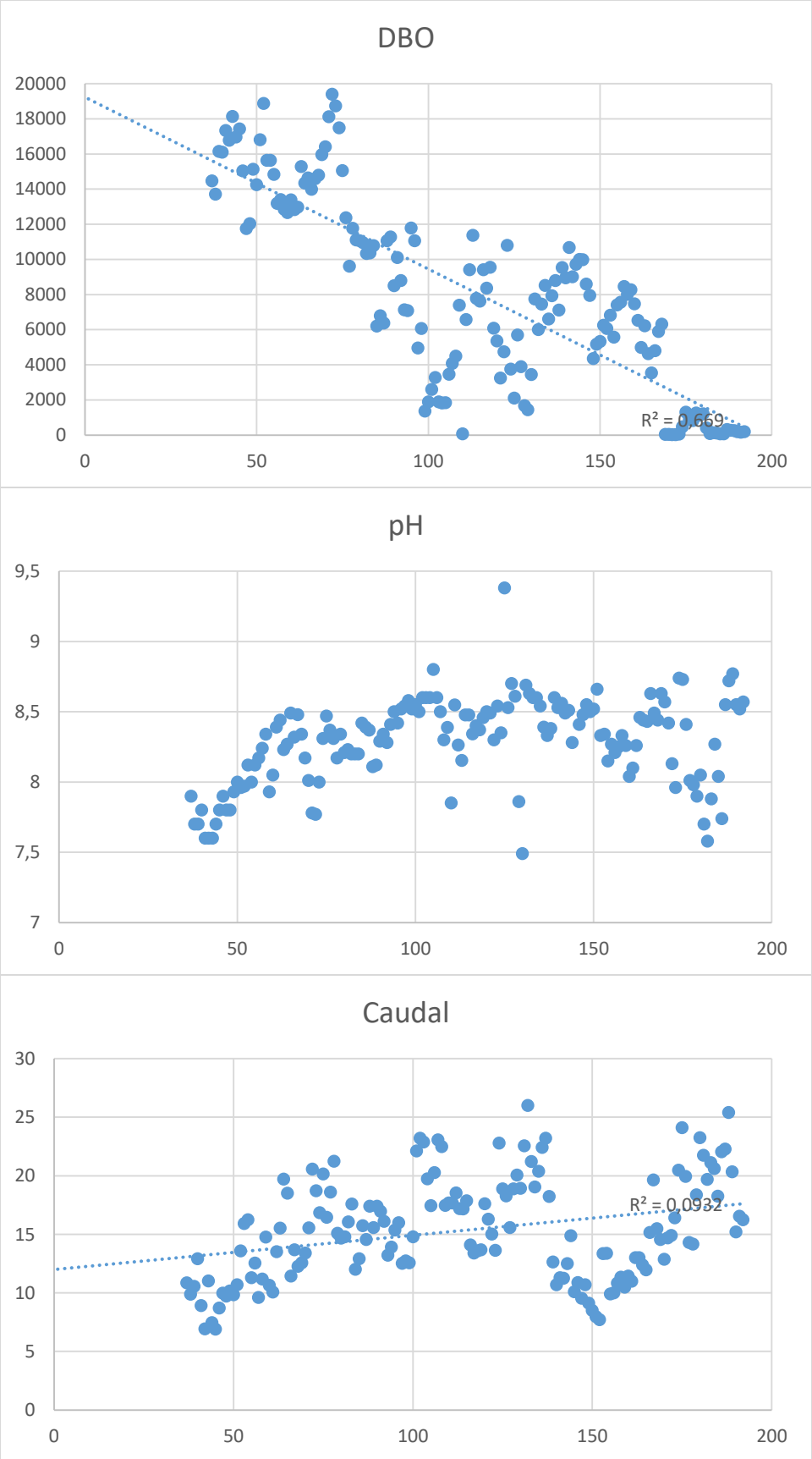

Cromo (mg/L)
3,5
3
2,5
2
1,5
1
0,5
0
0
20
40
60
80
100
DQO
30000
25000
20000
15000
10000
5000
0
0
20
40
60
80
100
R² = 0,0226
DBO
25000
20000
15000
10000
5000
0
0
20
40
60
80
100
R² = 0,0026


pH
9,5
9
8,5
8
7,5
7
0
20
40
60
80
100
R² = 9E-05

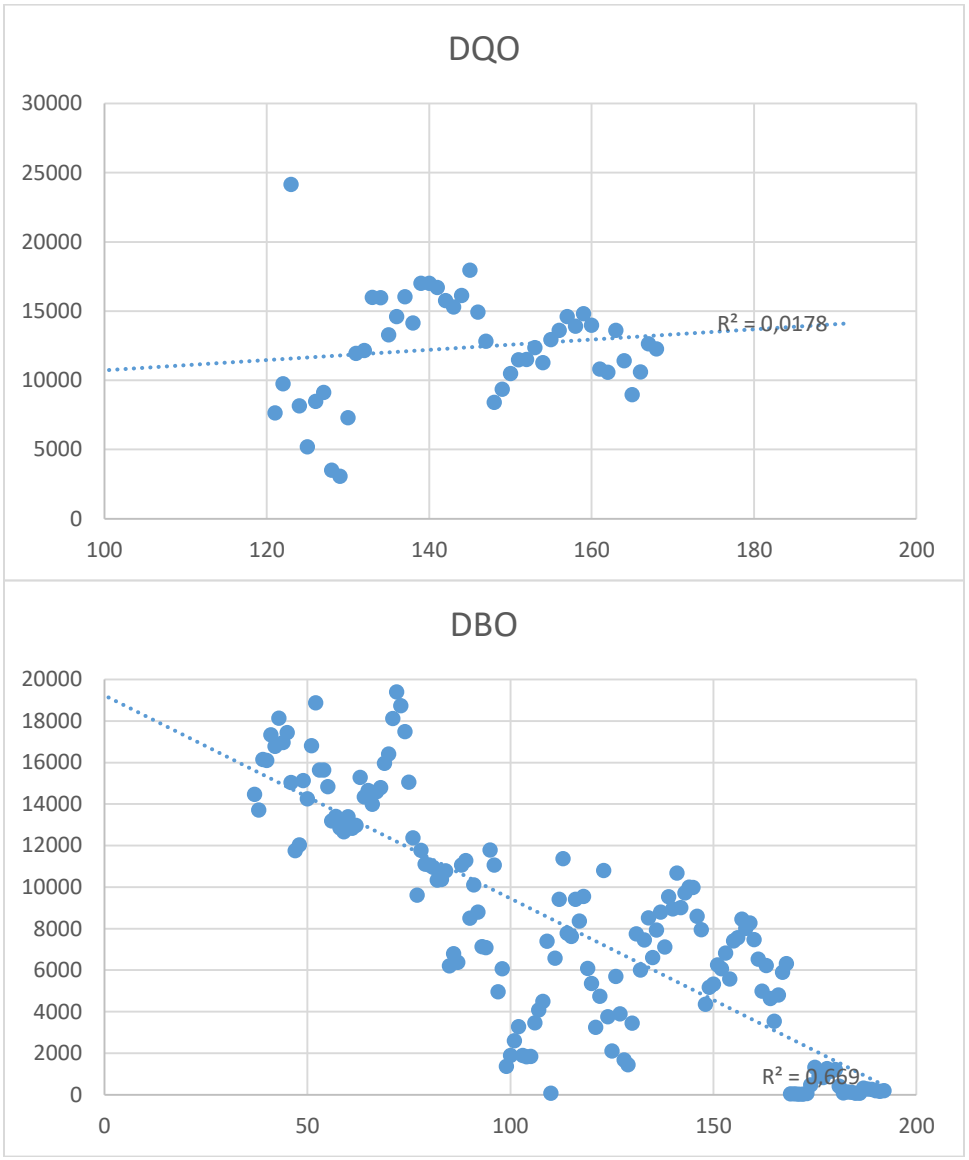

Caudal
30
25
20
15
10
5
0
0
20
40
60
80
100
R² = 0,0176

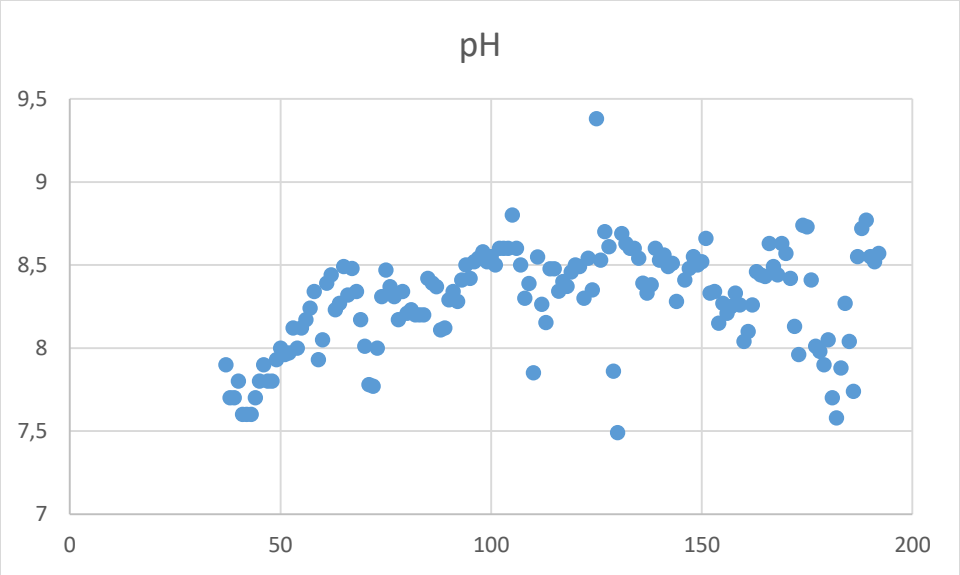
Cobalto

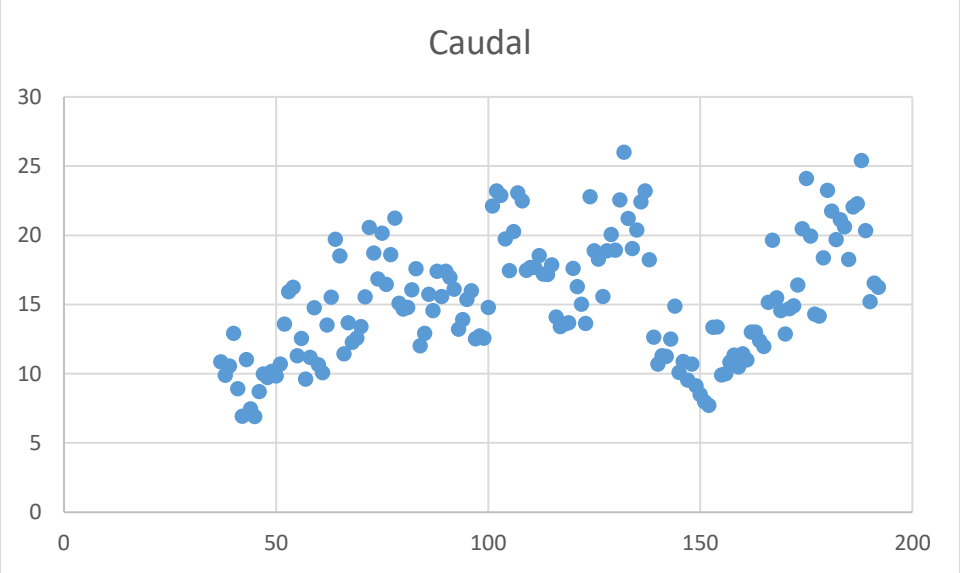

Cromo (mg/L)
3,5
3
2,5
2
1,5
1
0,5
0
0
50
100
150
200
R² = 0,0008
DQO
30000
25000
20000
15000
10000
5000
0
100
120
140
160
180
200
R² = 0,0178


DBO
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
0
50
100
150
200
R² = 0.669
pH
9,5
9
8,5
8
7,5
7
0
50
100
150
200
Caudal
30
25
20
15
10
5
0
0
50
100
150
200
R² = 0.0932

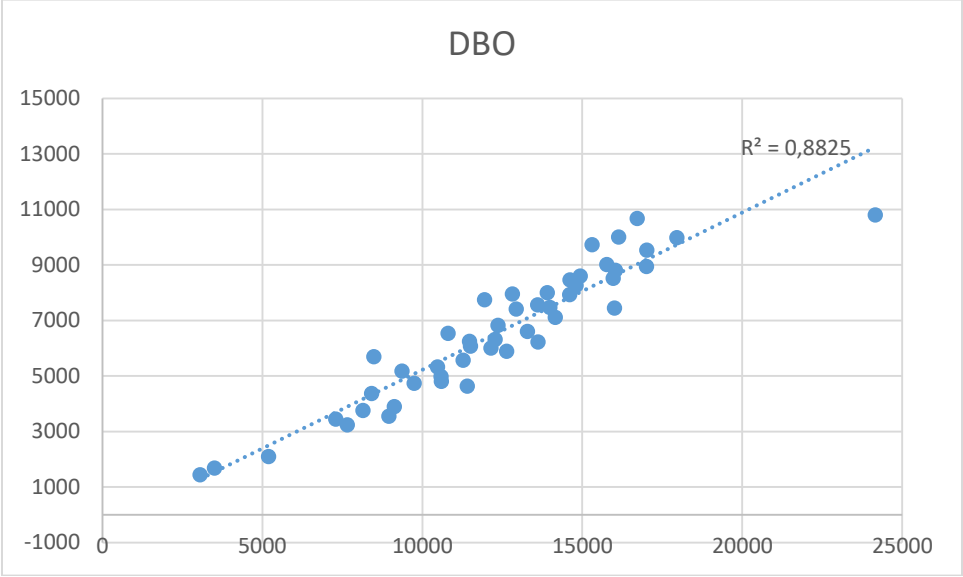
Cromo

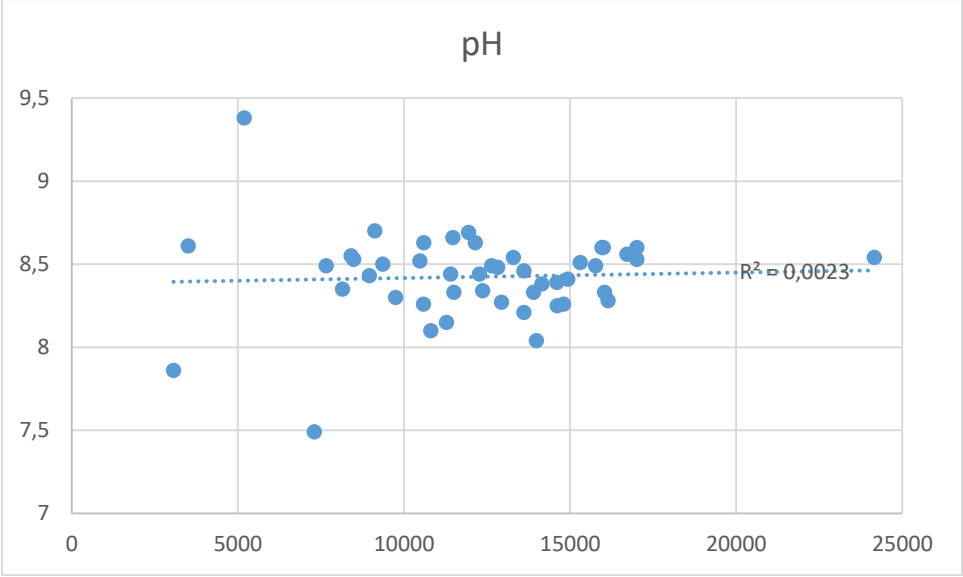

DQO
30000
25000
20000
15000
10000
5000
0
100
120
140
160
180
200
R² = 0,0178
DBO
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
0
50
100
150
200
R² = 0,669

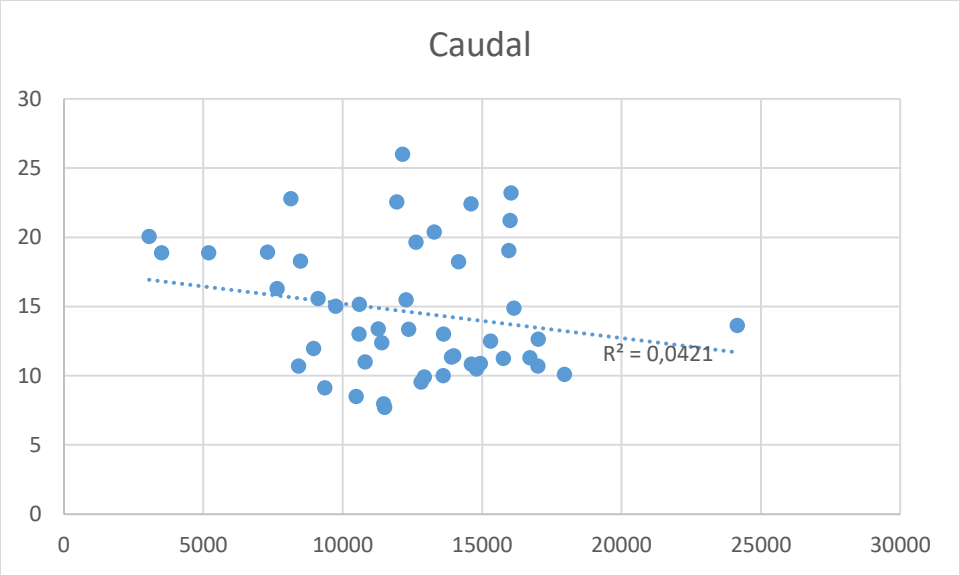

pH
9,5
9
8,5
8
7,5
7
0
50
100
150
200


Caudal
30
25
20
15
10
5
0
0
50
100
150
200

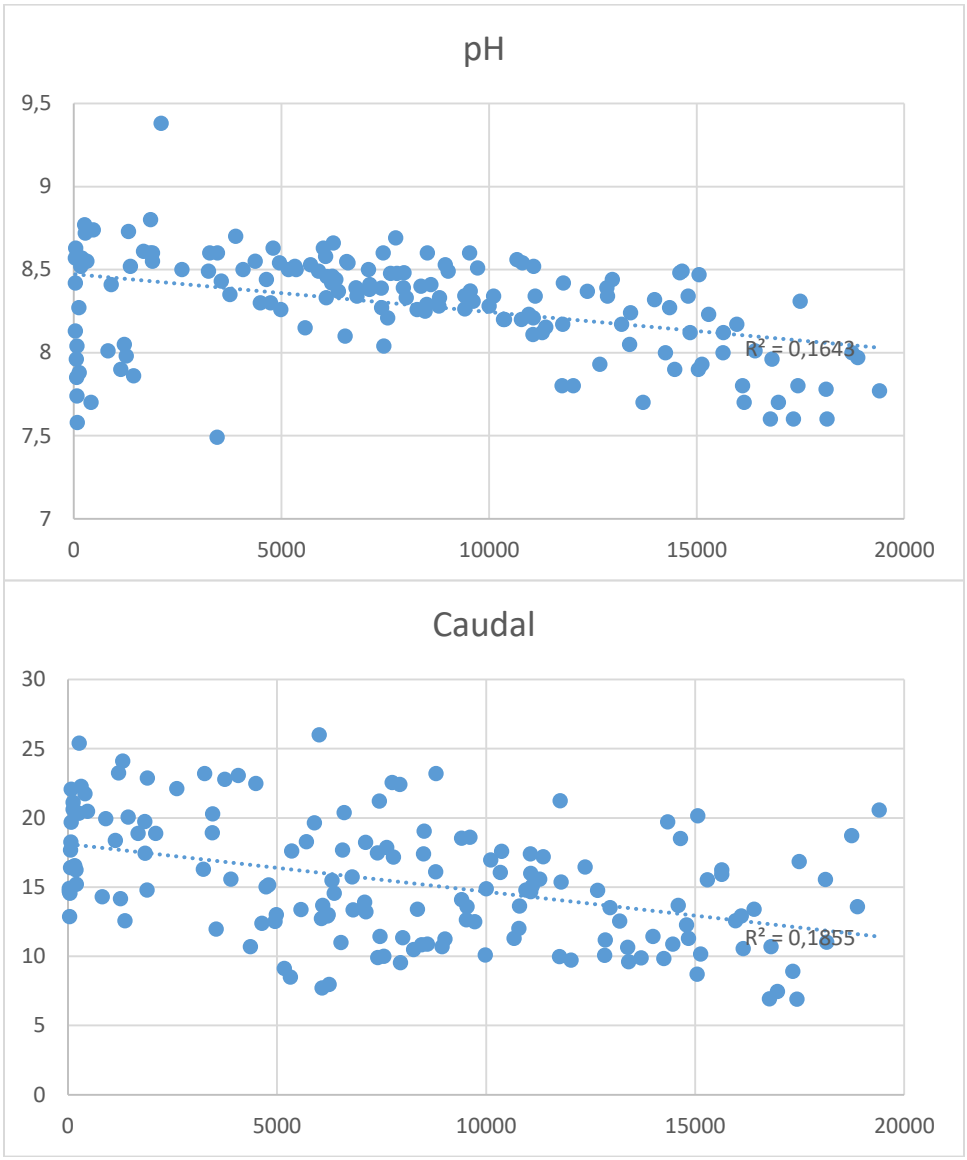
DQO


DBO
15000
13000
11000
9000
7000
5000
3000
1000
-1000
0
5000
10000
15000
20000
25000
R² = 0,8825


pH
9,5
9
8,5
8
7,5
7
0
5000
10000
15000
20000
25000
R² = 0,0023


Caudal
30
25
20
15
10
5
0
0
5000
10000
15000
20000
25000
30000
R² = 0,0421

DBO


pH
9,5
9
8,5
8
7,5
7
0
5000
10000
15000
20000
R² = 0,1643
Caudal
30
25
20
15
10
5
0
0
5000
10000
15000
20000
R² = 0,1855

pH

