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MINISTERE DE
L'AMENAGEMENT DU TERRITOIRE
ET DE L'ENVIRONNEMENT

Agences de l'Eau

SYSTEME D'EVALUATION DE LA QUALITE DE L'EAU DES COURS D'EAU

SEQ-eau - Etude de rodage

Annexe C - indices de qualité et classes d'aptitude aux usages et fonction

SYSTEME D'EVALUATION DE LA QUALITE DE L'EAU DES COURS D'EAU SEQ-eau Etude de rodage Annexe C - indices de qualité et classes d'aptitude aux usages et fonction

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Annexes : en tirage limité, consultables auprès des Agences de l'Eau

ANNEXE C

Courbes de transformation des mesures en indices de qualité

- Altération Matières Organiques et Oxydables
- Altération Matières Azotées
- Altération Nitrates
- Altération Matières Phosphorées
- Altération Particules en suspension
- Altération Couleur
- Altération Température
- Altération Minéralisation
- Altération Acidification
- Altération Microorganismes
- Altération Phytoplancton
- Altération Micropolluants minéraux sur eau brute
- Altération Métaux sur Bryophytes
- Altération Pesticides
- Altération Micropolluants organiques hors pesticides

Cette annexe présente les planches de résulats des calages effectués pour l'ensemble des altérations et des paramètres.

Sur chaque planche on trouve :

- le nom de l'altération, le code du paramètre et son nom abrégé,
- les états des fonction et usages concernés par l'altération sur les intervalles définis entre les seuils,
- les différents seuils retenus, constituant les abscisses utilisées pour le "calage" des modèles,
- la courbe de conversion entre valeur mesurée du paramètre et sous-indice.

A titre indicatif, nous avons fait figurer (zone tramée verte), l'incertitude sur les mesures (se référer au tableau du chapitre IV.4)

Les graphiques sont suivis des fichiers sources associés. Les figures 1 et 2 ci-après présentent ces fichiers.

- Figure 1 = fichier "source" initial
  Ce fichier contient pour chaque paramètre :
  - le numéro du modèle (cf chapitre III.2)
  - les valeurs seuils
  - les indices associés à ces seuils
  - les classes d'aptitude des fonction et usages associées à chaque changement de seuil

  Ce fichier est utilisé par un programme de calcul (écrit en langage Fortran) qui à partir des valeurs seuils et des indices calcule les coefficients a et b des modèles retenus. Un nouveau fichier est alors créé (fichier "source" final).
- Figure 2 = fichier "source" final
  Ce fichier contient pour chaque paramètre :
  - le numéro du modèle (cf chapitre III.2)
  - les valeurs seuils
  - le coefficient "a" du modèle
  - le coefficient "b" du modèle
  - les classes d'aptitude des fonction et usages associées à chaque changement de seuil

  Ce fichier est utilisé par le logiciel SEQ-Eau (version PC et version VAX) pour calculer pour chaque paramètre de chaque altération:
  - les classes d'aptitude des fonction et usages concernées par l'altération
  - le sous-indice du paramètre.

FIGURE 1 : fichier "source" initial
Cas des Matières Phosphorées

```
MATIÈRES PHOSPHORÉES

Code du paramètre
     Nombre de lignes
       Valeur seuil en log (=1) ou non (=0)
         Nombre de caractères de la valeur seuil
           Nombre de décimales
             Description de la précision analytique (1=%, 2=mg/l)
               Règles de qualification (voir ci-après)
                       Précision analytique
                                  Valeur centrale (pour pH par ex)
                                  ↓
0084 7 0 4 2 1  110       10.0          0.  PHOSPHORE TOTAL
   6          0.        100.          1. 1 0 0 0 0 1
   1        0.01         95.          0. 1 0 0 0 0 3
   1        0.05         80.          0. 2 0 0 0 0 3
   1         0.2         60.          0. 3 0 0 0 0 3
   1         0.5         40.          0. 4 0 0 0 0 3
   1          1.         20.          0. 5 0 0 0 0 3
   3          3.         10.          1. 5 0 0 0 0 5
                                          ╰─────────╯
   ↑          ↑          ↑                    ↑
Modèles    Seuils     Indices          Etats des fonction et usages
math.                                  Bio/AEP/Lois.Naut./Irrig./Abreuv./Aqua.

0074 5 0 3 1 1  110       10.0          0.  ORTHOPHOSPHATES
   6          0.        100.          1. 1 0 0 0 0 0 0
   1         0.1         80.          0. 2 0 0 0 0 0 0
   1         0.5         60.          0. 3 0 0 0 0 0 0
   1          1.         40.          0. 4 0 0 0 0 0 0
   3          2.         20.          1. 5 0 0 0 0 0 0
```

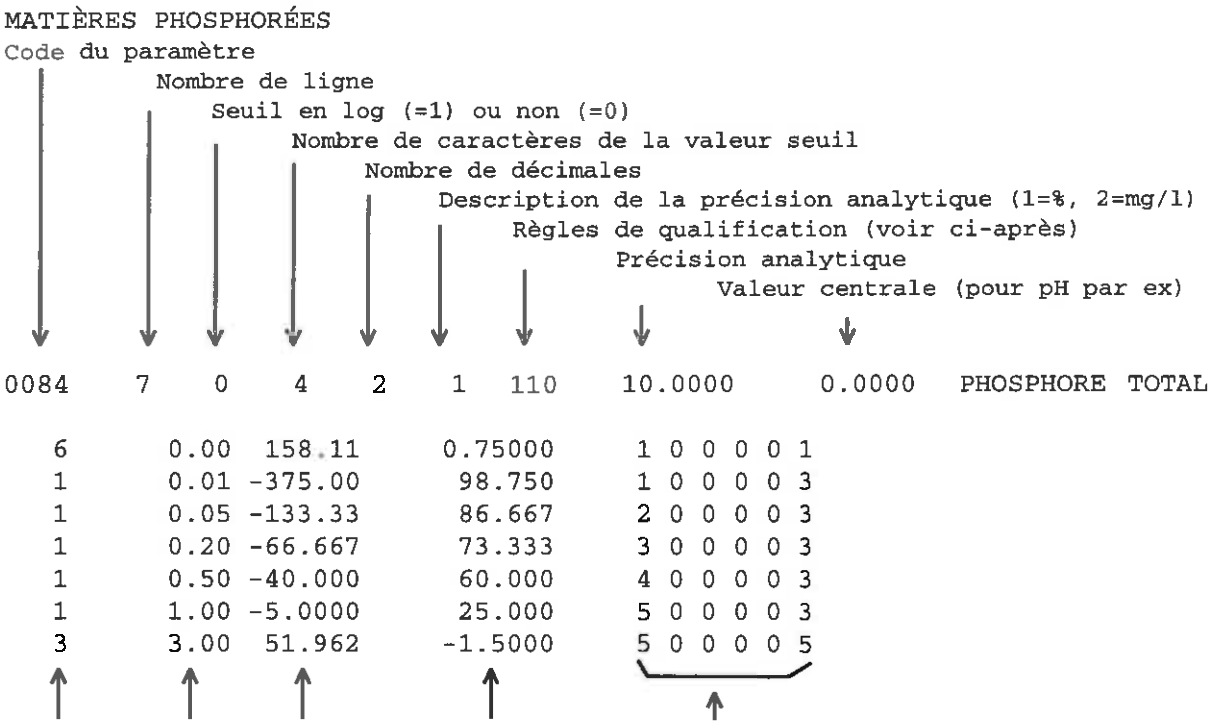
Règles de qualification des paramètre de l'altération

Elles sont codées sur 4 caractères.
Dans l'exemple ci-dessus il s'agit de 0110, le premier 0 n'étant pas indiqué.

- Les deux premiers caractères correspondent au groupe auquel appartient le paramètre. Ici, Phosphore total et orthophosphates appartiennent au même groupe.
- Le second caractère indique le nombre de paramètre(s) impératif(s) dans le groupe du paramètre. Ici, il y a un paramètre impératif dans le groupe 1, ce qui correspond au fait que pour qualifier l'altération Matières Phosphorées, il faut impérativement une mesure de Phophore total ou d'orthophosphates.
- Le troisième caractère indique si les paramètres d'un même groupe doivent être simultanés (=1) ou non (=0). Nous rappelons que deux paramètres simultanés doivent être mesurés simultanément dans le même prélèvement et se trouver dans la même classe de qualité pour être pris en compte.

Dans le version PC du logiciel, les règles de qualification annuelles de l'altération sont indiquées en tête du fichier source (en dessous du titre).
En première ligne, on indique le nombre de mesure impérative par an
En second ligne, s'il y a lieu, on précise les mois (sur deux caractères) où doivent avoir lieu ces prélèvements.

FIGURE 2 : fichier "source" final
Cas des Matières Phosphorées

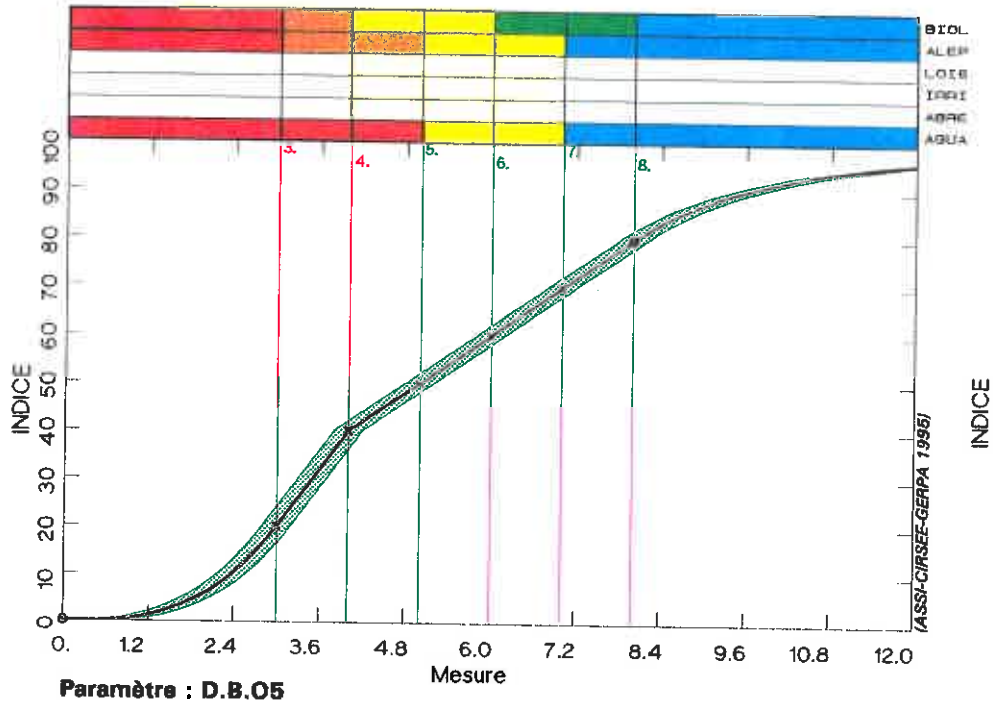



```
0074    5    0    3    1    1   110    10.0000      0.0000   ORTHOPHOSPHATES

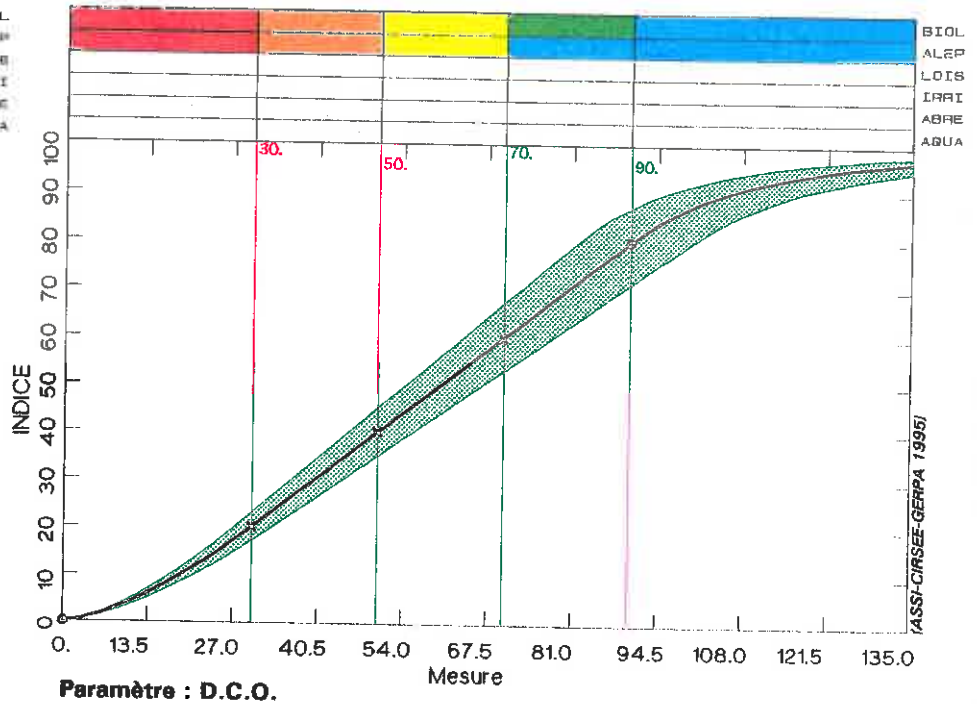
   6        0.0  35.566      0.25000     1 0 0 0 0 0
   1        0.1 -50.000       85.000     2 0 0 0 0 0
   1        0.5 -40.000       80.000     3 0 0 0 0 0
   1        1.0 -20.000       60.000     4 0 0 0 0 0
   3        2.0  80.000      -2.0000     5 0 0 0 0 0
```

AltérationMatières Organiques et Oxydables

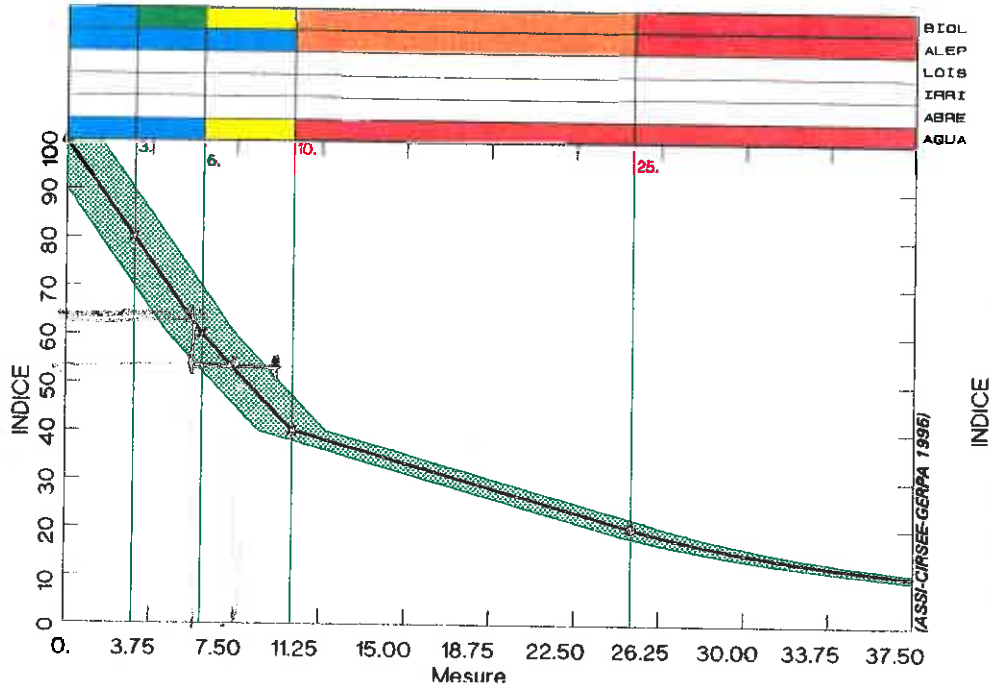
Paramètre : O2Dissous



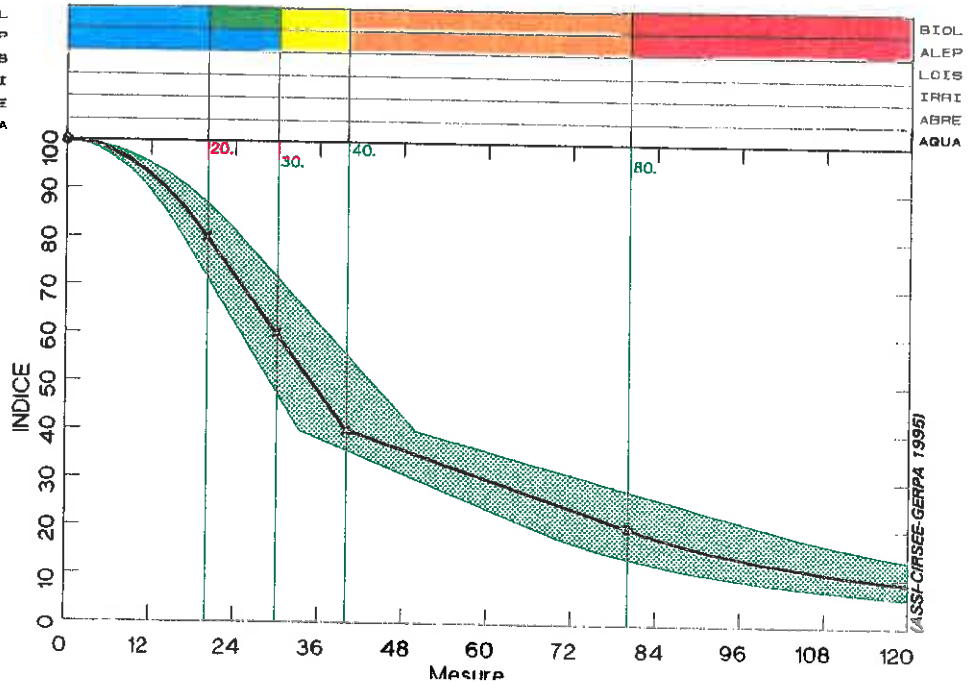
Paramètre : %Saturation O2



Paramètre : D.B.O5

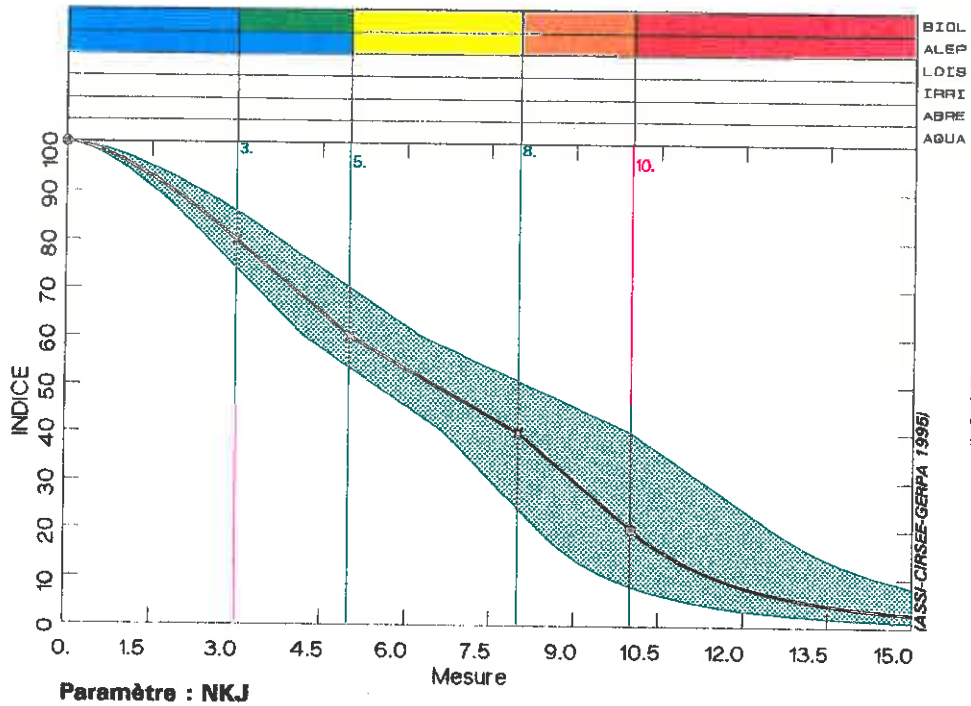


Paramètre : D.C.O.

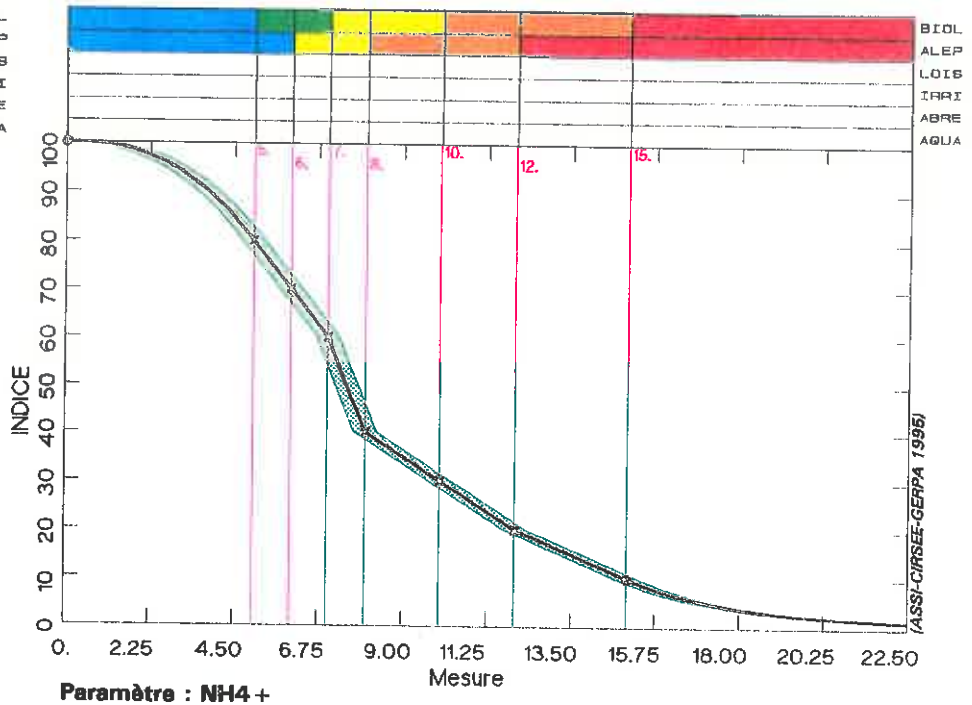


Altération : MATIERES ORGANIQUES & OXYDABLES - MOOX3 NH4/NKJ-1 REGLE2

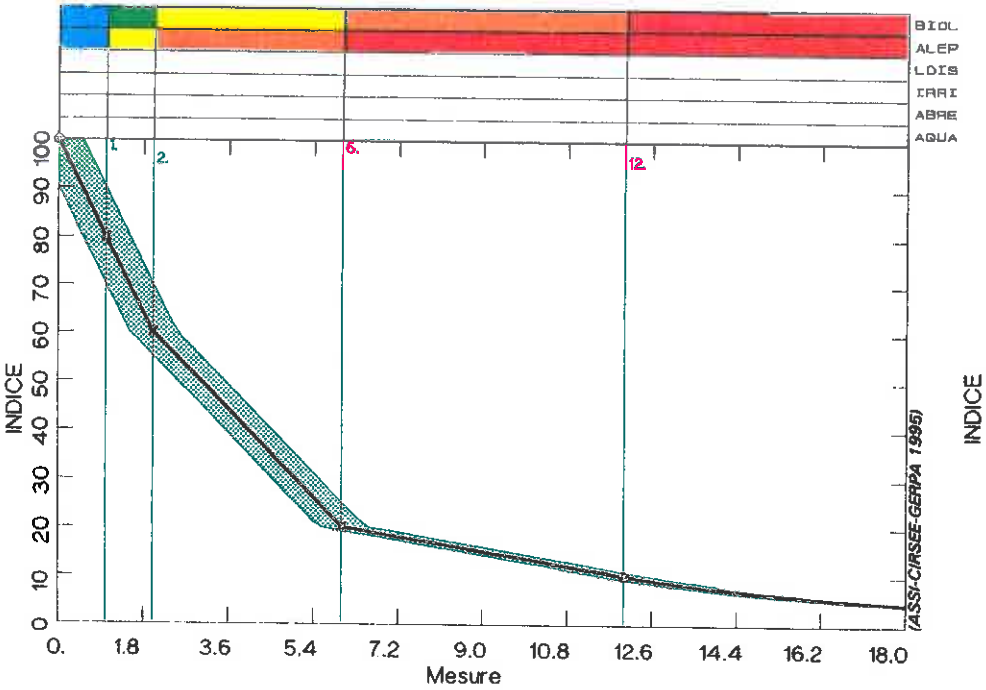
Paramètre : KMnO4 à Froid



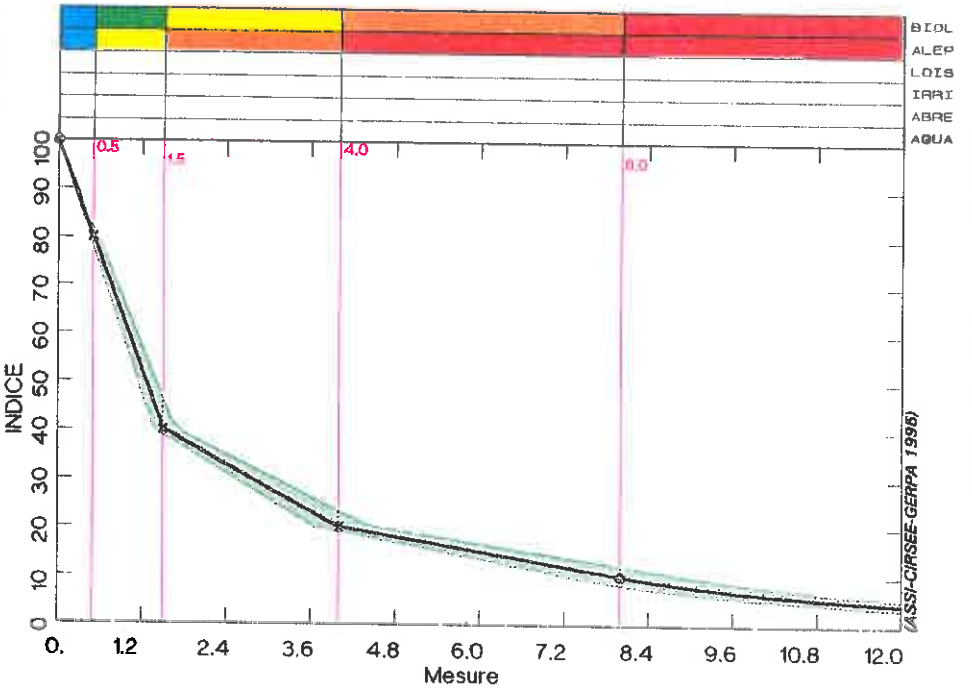
Paramètre : C.O.D.



Paramètre : NKJ



Paramètre : NH4+



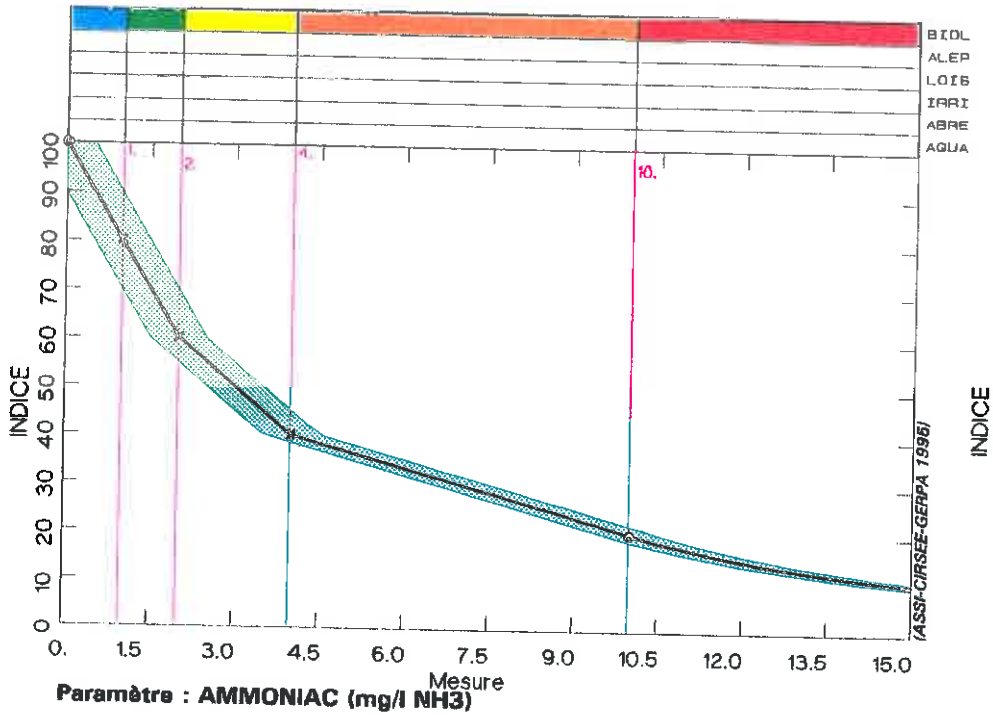
Altération : MATIERES ORGANIQUES & OXYDABLES - MOOX3 NH4/NKJ-1 REGLE2

```
MATIERES ORGANIQUES & OXYDABLES - MOOX3 NH4/NKJ-1 REGLE2
0042 7 0 2 0 2  110        -0.2          0.  O2Dissous
   2          0.           0.          1. 5 5 0 0 0 5
   1          3.          20.          0. 4 4 0 0 0 5
   1          4.          40.          0. 3 4 0 0 0 5
   1          5.          50.          0. 3 3 0 0 0 3
   1          6.          60.          0. 2 3 0 0 0 3
   1          7.          70.          0. 2 1 0 0 0 1
   4          8.          80.          1. 1 1 0 0 0 1
0043 5 0 3 0 1  110       -10.0          0.  %Saturation O2
   2          0.           0.          1. 5 5 0 0 0 0
   1         30.          20.          0. 4 4 0 0 0 0
   1         50.          40.          0. 3 3 0 0 0 0
   1         70.          60.          0. 2 1 0 0 0 0
   4         90.          80.          1. 1 1 0 0 0 0
0044 5 0 3 0 2  210         1.5          0.  D.B.O5
   6          0.         100.          1. 1 1 0 0 0 1
   1          3.          80.          0. 2 1 0 0 0 1
   1          6.          60.          0. 3 1 0 0 0 3
   1         10.          40.          0. 4 4 0 0 0 5
   3         25.          20.          1. 5 5 0 0 0 5
0045 5 0 3 0 1  210        20.0          0.  D.C.O.
   6          0.         100.          1. 1 1 0 0 0 0
   1         20.          80.          0. 2 1 0 0 0 0
   1         30.          60.          0. 3 3 0 0 0 0
   1         40.          40.          0. 4 4 0 0 0 0
   3         80.          20.          1. 5 5 0 0 0 0
0047 5 0 3 0 1  210        20.0          0.  KMnO4 à Froid
   6          0.         100.          1. 1 1 0 0 0 0
   1          3.          80.          0. 2 1 0 0 0 0
   1          5.          60.          0. 3 3 0 0 0 0
   1          8.          40.          0. 4 4 0 0 0 0
   3         10.          20.          1. 5 5 0 0 0 0
0050 8 0 3 0 2  210         0.3          0.  C.O.D.
   6          0.         100.          1. 1 1 0 0 0 0
   1          5.          80.          0. 2 1 0 0 0 0
   1          6.          70.          0. 2 3 0 0 0 0
   1          7.          60.          0. 3 3 0 0 0 0
   1          8.          40.          0. 3 4 0 0 0 0
   1         10.          30.          0. 4 4 0 0 0 0
   1         12.          20.          0. 4 5 0 0 0 0
   3         15.          10.          1. 5 5 0 0 0 0
0051 5 0 3 0 2  310         0.5          0.  NKJ
   6          0.         100.          1. 1 1 0 0 0 0
   1          1.          80.          0. 2 3 0 0 0 0
   1          2.          60.          0. 3 4 0 0 0 0
   1          6.          20.          0. 4 5 0 0 0 0
   3         12.          10.          1. 5 5 0 0 0 0
0066 5 0 3 1 1  310        10.0          0.  NH4+
   6          0.         100.          1. 1 1 0 0 0 0
   1        0.5           80.          0. 2 3 0 0 0 0
   1        1,5           40.          0. 3 4 0 0 0 0
   1          4.          20.          0. 4 5 0 0 0 0
   3          8.          10.          1. 5 5 0 0 0 0
```

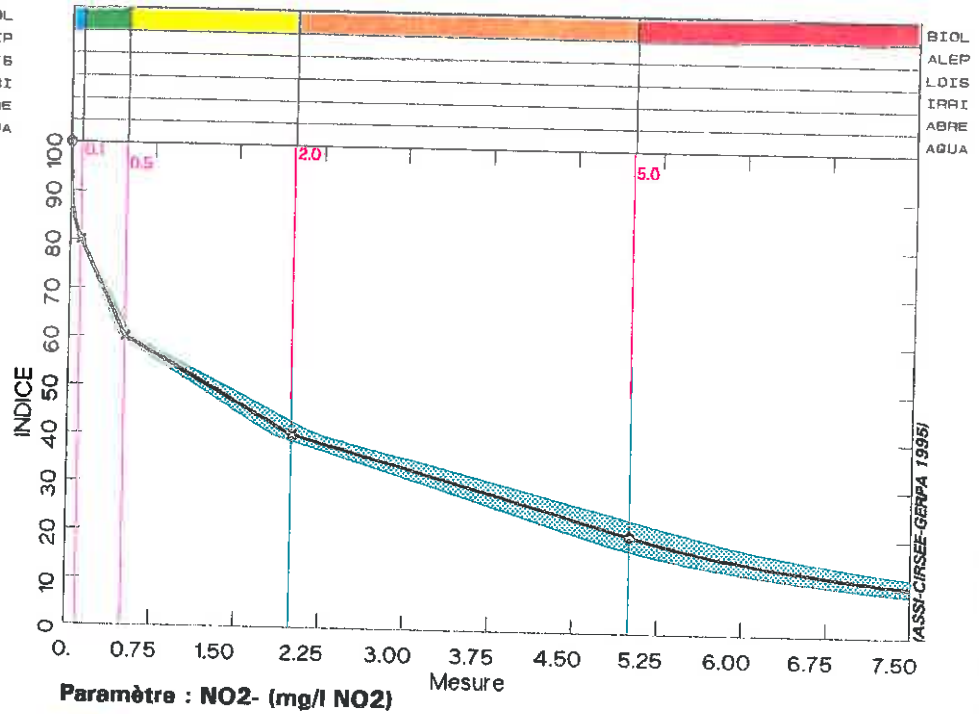
```
MATIERES ORGANIQUES & OXYDABLES - MOOX3 NH4/NKJ-1 REGLE2
0042   7   0   2   0   2  110   -0.2000      0.0000  O2Dissous
   2        0. 0.74074       3.0000      5 5 0 0 0 5
   1        3.  20.000      -40.000      4 4 0 0 0 5
   1        4.  10.000      0.00000E+00  3 4 0 0 0 5
   1        5.  10.000      0.00000E+00  3 3 0 0 0 3
   1        6.  10.000      0.00000E+00  2 3 0 0 0 3
   1        7.  10.000      0.00000E+00  2 1 0 0 0 1
   4        8.  81920.      -4.0000      1 1 0 0 0 1
0043   5   0   3   0   1  110  -10.0000      0.0000  %Saturation O2
   2        0. 0.12172       1.5000      5 5 0 0 0 0
   1       30.  1.0000      -10.000      4 4 0 0 0 0
   1       50.  1.0000      -10.000      3 3 0 0 0 0
   1       70.  1.0000      -10.000      2 1 0 0 0 0
   4       90. 0.12449E+11  -4.5000      1 1 0 0 0 0
0044   5   0   3   0   2  210    1.5000      0.0000  D.B.05
   6        0.  6.6667       1.0000      1 1 0 0 0 1
   1        3. -6.6667       100.00      2 1 0 0 0 1
   1        6. -5.0000       90.000      3 1 0 0 0 3
   1       10. -1.3333       53.333      4 4 0 0 0 5
   3       25.  4274.9      -1.6667      5 5 0 0 0 5
0045   5   0   3   0   1  210   20.0000      0.0000  D.C.O.
   6        0. 0.50000E-01   2.0000      1 1 0 0 0 0
   1       20. -2.0000       120.00      2 1 0 0 0 0
   1       30. -2.0000       120.00      3 3 0 0 0 0
   1       40.-0.50000       60.000      4 4 0 0 0 0
   3       80. 0.12800E+06  -2.0000      5 5 0 0 0 0
0047   5   0   3   0   1  210   20.0000      0.0000  KMnO4 à Froid
   6        0.  3.8490       1.5000      1 1 0 0 0 0
   1        3. -10.000       110.00      2 1 0 0 0 0
   1        5. -6.6667       93.333      3 3 0 0 0 0
   1        8. -10.000       120.00      4 4 0 0 0 0
   3       10. 0.20000E+07  -5.0000      5 5 0 0 0 0
0050   8   0   3   0   2  210    0.3000      0.0000  C.O.D.
   6        0. 0.35777       2.5000      1 1 0 0 0 0
   1        5. -10.000       130.00      2 1 0 0 0 0
   1        6. -10.000       130.00      2 3 0 0 0 0
   1        7. -20.000       200.00      3 3 0 0 0 0
   1        8. -5.0000       80.000      3 4 0 0 0 0
   1       10. -5.0000       80.000      4 4 0 0 0 0
   1       12. -3.3333       60.000      4 5 0 0 0 0
   3       15. 0.75938E+07  -5.0000      5 5 0 0 0 0
0051   5   0   3   0   2  310    0.5000      0.0000  NKJ
   6        0.  20.000       1.0000      1 1 0 0 0 0
   1        1. -20.000       100.00      2 3 0 0 0 0
   1        2. -10.000       80.000      3 4 0 0 0 0
   1        6. -1.6667       30.000      4 5 0 0 0 0
   3       12.  1440.0      -2.0000      5 5 0 0 0 0
0066   5   0   3   1   1  310   10.0000      0.0000  NH4+
   6       0.0  40.000       1.0000      1 1 0 0 0 0
   1       0.5 -40.000       100.00      2 3 0 0 0 0
   1       1.5 -8.0000       52.000      3 4 0 0 0 0
   1       4.0 -2,5000       30.000      4 5 0 0 0 0
   3       8.0  640.00      -2.0000      5 5 0 0 0 0
```

Altération Matières Azotées

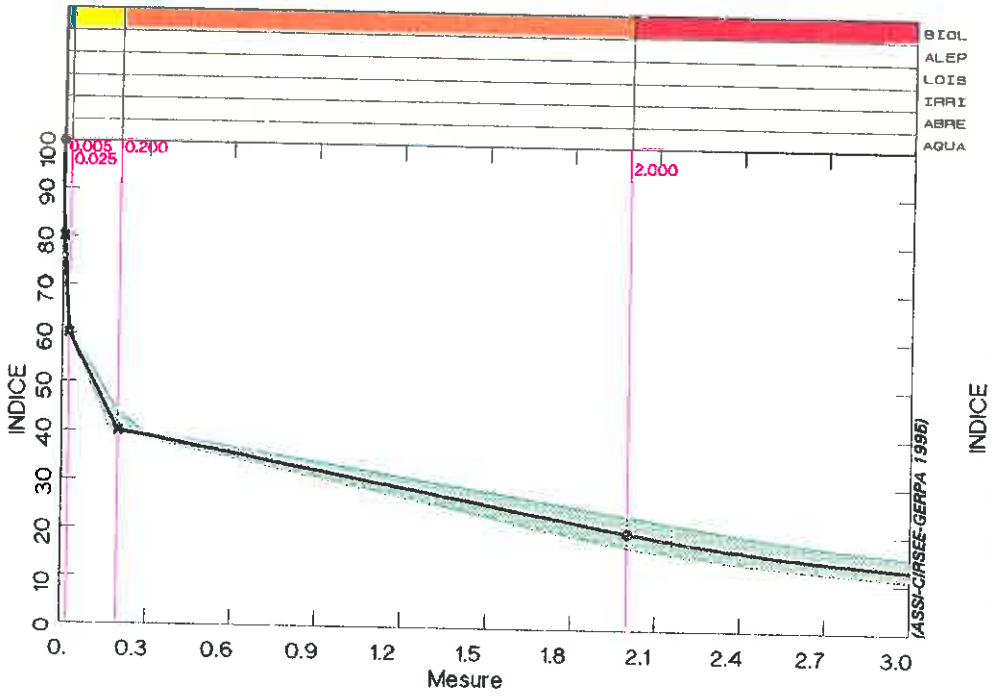
Paramètre : NKJ



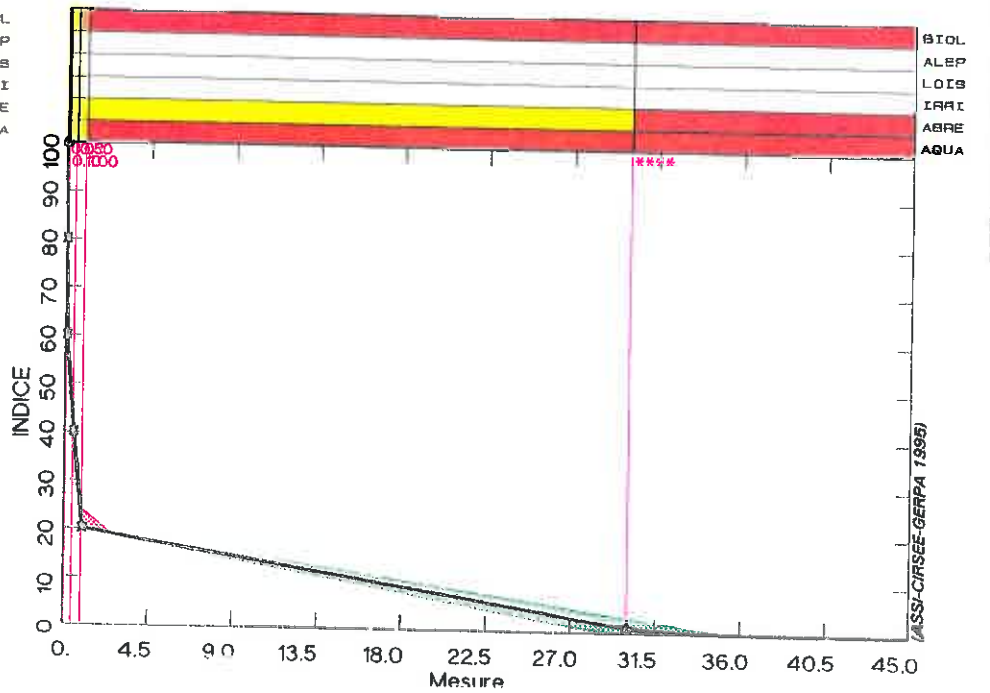
Paramètre : NH4 +



Paramètre : AMMONIAC (mg/l NH3)



Paramètre : NO2- (mg/l NO2)



```
MATIERES AZOTEES
0051 5 0 3 0 2  100        0.5          0.  NKJ
   6         0.        100.          1. 1 0 0 0 0 0
   1         1.         80.          0. 2 0 0 0 0 0
   1         2.         60.          0. 3 0 0 0 0 0
   1         4.         40.          0. 4 0 0 0 0 0
   3        10.         20.          1. 5 0 0 0 0 0
0066 5 0 3 1 1  210       10.0          0.  NH4 +
   6         0.        100,          1. 1 0 0 0 0 0
   1       0.1          80.          0. 2 0 0 0 0 0
   1       0.5          60.          0. 3 0 0 0 0 0
   1         2.         40.          0. 4 0 0 0 0 0
   3         5.         20.          1. 5 0 0 0 0 0
0086 5 0 5 3 1  300       15.0          0.  AMMONIAC (mg/l NH3)
   6       0.0         100.          1. 1 0 0 0 0 0
   1     0.005          80.          0. 2 0 0 0 0 0
   1     0.025          60.          0. 3 0 0 0 0 0
   1       0.2          40.          0. 4 0 0 0 0 0
   3         2.         20.          1. 5 0 0 0 0 0
0072 6 0 4 2 1  400       10.0          0.  NO2- (mg/l NO2)
   6         0.        100.          1. 1 0 0 0 1 1
   1      0.03          80.          0. 2 0 0 0 1 3
   1       0.1          60.          0. 3 0 0 0 3 3
   1       0.5          40.          0. 4 0 0 0 3 3
   1       1.0          20.          0. 5 0 0 0 3 5
   3      30.0           1.          1. 5 0 0 0 5 5
```

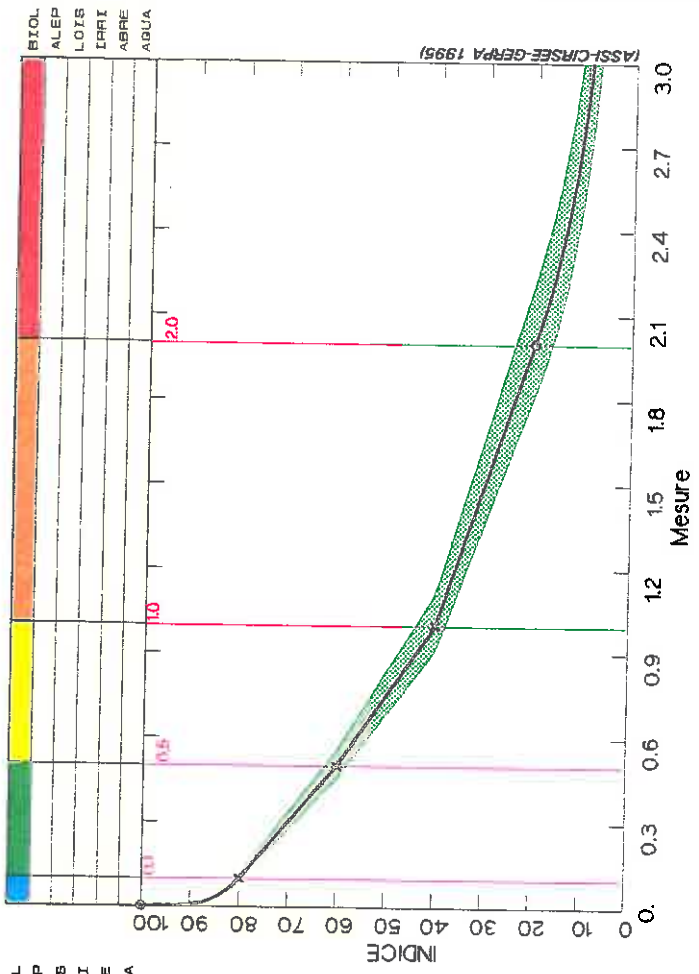
MATIERES AZOTEES

```
0051   5   0   3   0   2  100     0.5000      0.0000  NKJ
   6         0.  20.000       1.0000      1 0 0 0 0 0
   1         1. -20.000       100.00      2 0 0 0 0 0
   1         2. -10.000       80.000      3 0 0 0 0 0
   1         4. -3.3333       53.333      4 0 0 0 0 0
   3        10.  928.32      -1.6667      5 0 0 0 0 0
0066   5   0   3   1   1  210   10.0000      0.0000  NH4 +
   6        0.0  35.566      0.25000      1 0 0 0 0 0
   1        0.1 -50.000       85.000      2 0 0 0 0 0
   1        0.5 -13.333       66.667      3 0 0 0 0 0
   1        2.0 -6.6667       53.333      4 0 0 0 0 0
   3        5.0  292.40      -1.6667      5 0 0 0 0 0
0086   5   0   5   3   1  300   15.0000      0.0000  AMMONIAC (mg/l NH3)
   6      0.000  75.212      0.25000      1 0 0 0 0 0
   1      0.005 -1000.0       85.000      2 0 0 0 0 0
   1      0.025 -114.29       62.857      3 0 0 0 0 0
   1      0.200 -11.111       42.222      4 0 0 0 0 0
   3      2.000  43.202      -1.1111      5 0 0 0 0 0
0072   6   0   4   2   1  400   10.0000      0.0000  NO2- (mg/l NO2)
   6       0.00  89.886      0.42857      1 0 0 0 1 1
   1       0.03 -285.71       88.571      2 0 0 0 1 3
   1       0.10 -50.000       65.000      3 0 0 0 3 3
   1       0.50 -40.000       60.000      4 0 0 0 3 3
   1       1.00-0.65517       20.655      5 0 0 0 3 5
   3      30.00 0.10791E+30  -19.655      5 0 0 0 5 5
```

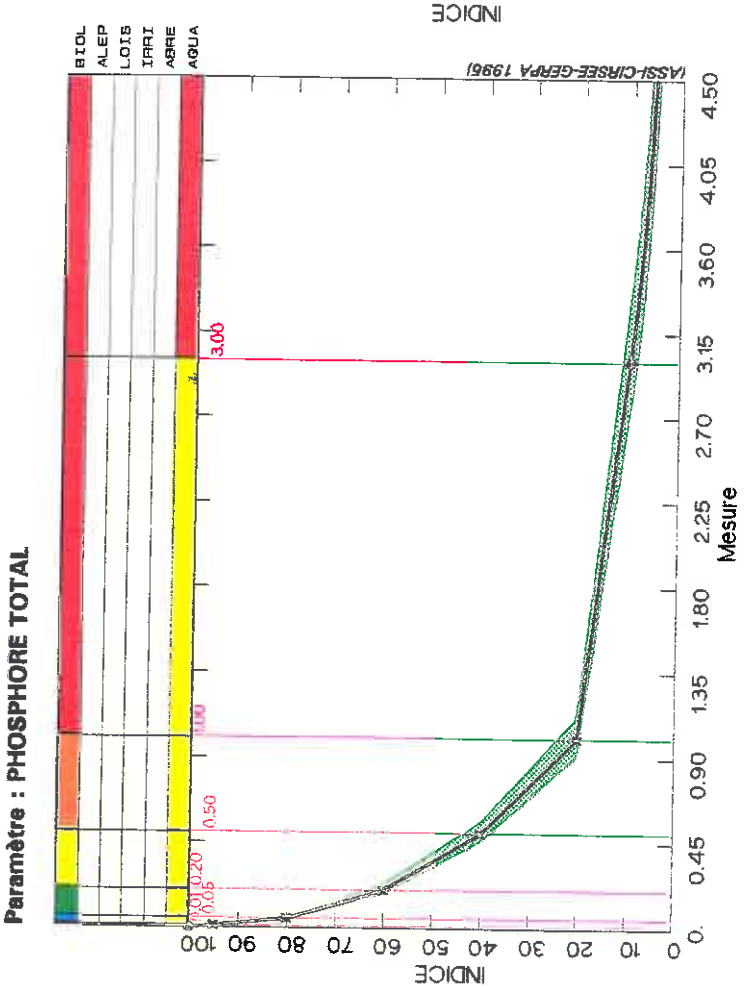
Altération Matières Phosphorées

Altération : PRODUITS PHOSPHORES

Paramètre : ORTHOPHOSPHATES



Paramètre : PHOSPHORE TOTAL



PRODUITS PHOSPHORES

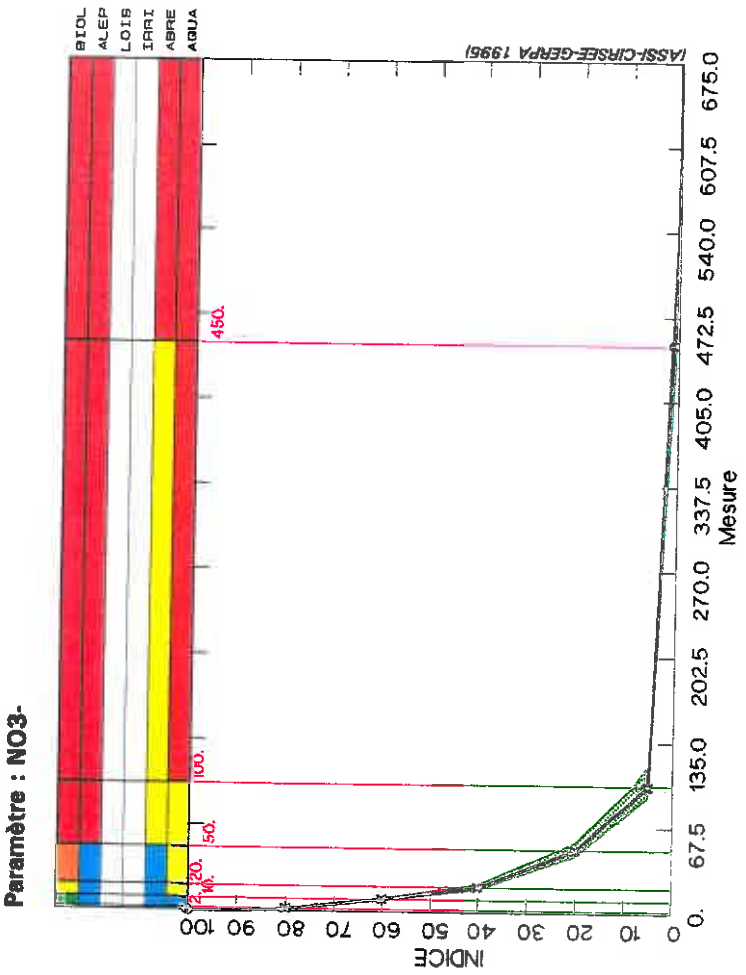
0084	7	0	4	2	1	110		10.0			0.	PHOSPHORE TOTAL		
6				0.			100.			1.	1	0	0	0	0	1
1				0.01			95.			0.	1	0	0	0	0	3
1				0.05			80.			0.	2	0	0	0	0	3
1				0.2			60.			0.	3	0	0	0	0	3
1				0.5			40.			0.	4	0	0	0	0	3
1				1.			20.			0.	5	0	0	0	0	3
3				3.			10.			1.	5	0	0	0	0	5
0074	5	0	3	1	1	110		10.0			0.	ORTHOPHOSPHATES		
6				0.			100.			1.	1	0	0	0	0	0
1				0.1			80.			0.	2	0	0	0	0	0
1				0.5			60.			0.	3	0	0	0	0	0
1				1.			40.			0.	4	0	0	0	0	0
3				2.			20.			1.	5	0	0	0	0	0

PRODUITS PHOSPHORES

```
0084    7    0    4    2    1  110    10.0000      0.0000  PHOSPHORE TOTAL
   6        0.00  158.11      0.75000      1 0 0 0 0 1
   1        0.01 -375.00       98.750      1 0 0 0 0 3
   1        0.05 -133.33       86.667      2 0 0 0 0 3
   1        0.20 -66.667       73.333      3 0 0 0 0 3
   1        0.50 -40.000       60.000      4 0 0 0 0 3
   1        1.00 -5.0000       25.000      5 0 0 0 0 3
   3        3.00  51.962      -1.5000      5 0 0 0 0 5
0074    5    0    3    1    1  110    10.0000      0.0000  ORTHOPHOSPHATES
   6         0.0  35.566      0.25000      1 0 0 0 0 0
   1         0.1 -50.000       85.000      2 0 0 0 0 0
   1         0.5 -40.000       80.000      3 0 0 0 0 0
   1         1.0 -20.000       60.000      4 0 0 0 0 0
   3         2.0  80.000      -2.0000      5 0 0 0 0 0
```

Altération Nitrates

Altération : NITRATES



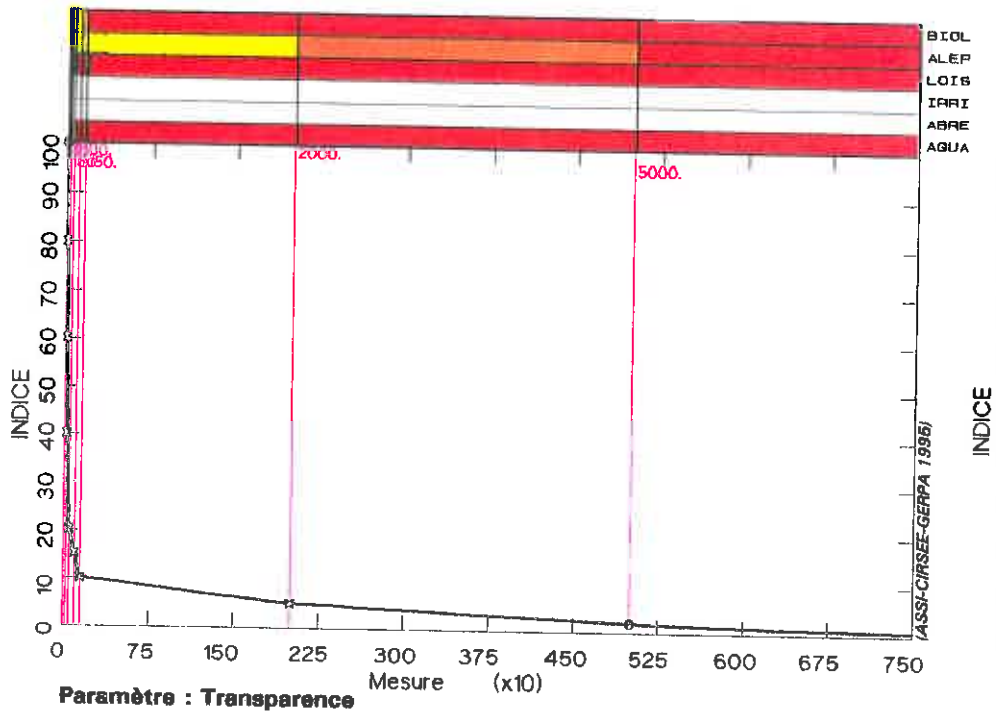
NITRATES

0073	7	0	4	0	1	110		10.0			0.	NO3-
6						0.	100.		1.	1	1	0 0 1 1
1						2.	80.		0.	2	1	0 0 1 1
1						10.	60.		0.	3	1	0 0 1 3
1						20.	40.		0.	4	1	0 0 1 3
1						50.	20.		0.	5	5	0 0 3 3
1						100.	5.		0.	5	5	0 0 3 5
3						450.	1.		1.	5	5	0 0 5 5

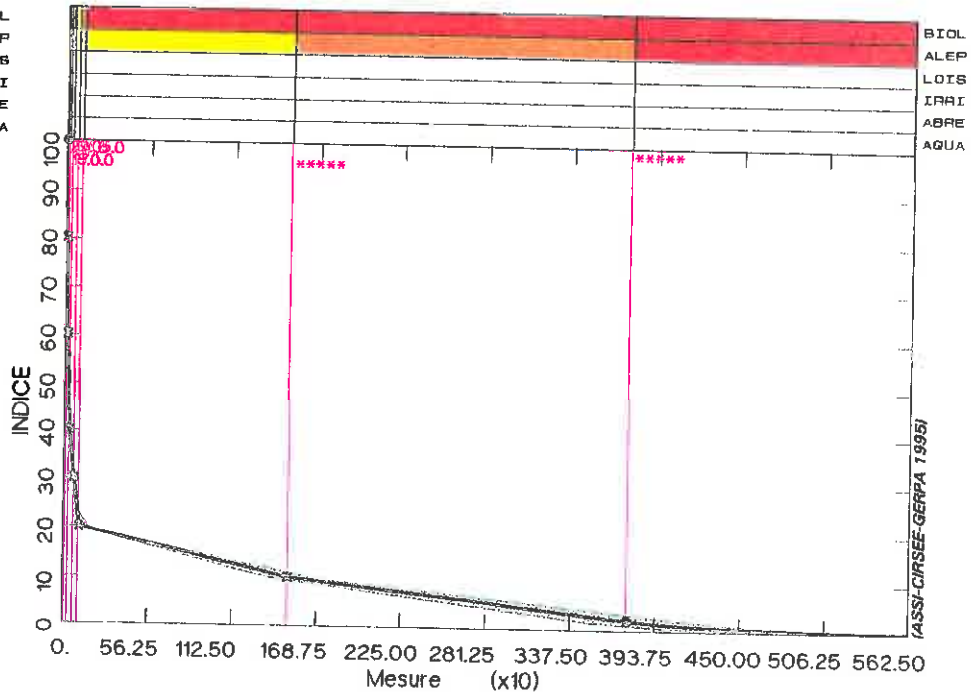
```
NITRATES
0073   7   0   4   0   1  110   10.0000     0.0000  NO3-
   6        0.  16.818      0.25000      1 1 0 0 1 1
   1        2. -2.5000       85.000      2 1 0 0 1 1
   1       10. -2.0000       80.000      3 1 0 0 1 3
   1       20.-0.66667       53.333      4 1 0 0 1 3
   1       50.-0.30000       35.000      5 5 0 0 3 3
   1      100.-0.11429E-01   6.1429      5 5 0 0 3 5
   3      450. 0.44166E+14  -5.1429      5 5 0 0 5 5
```

Altération Particules en Suspension

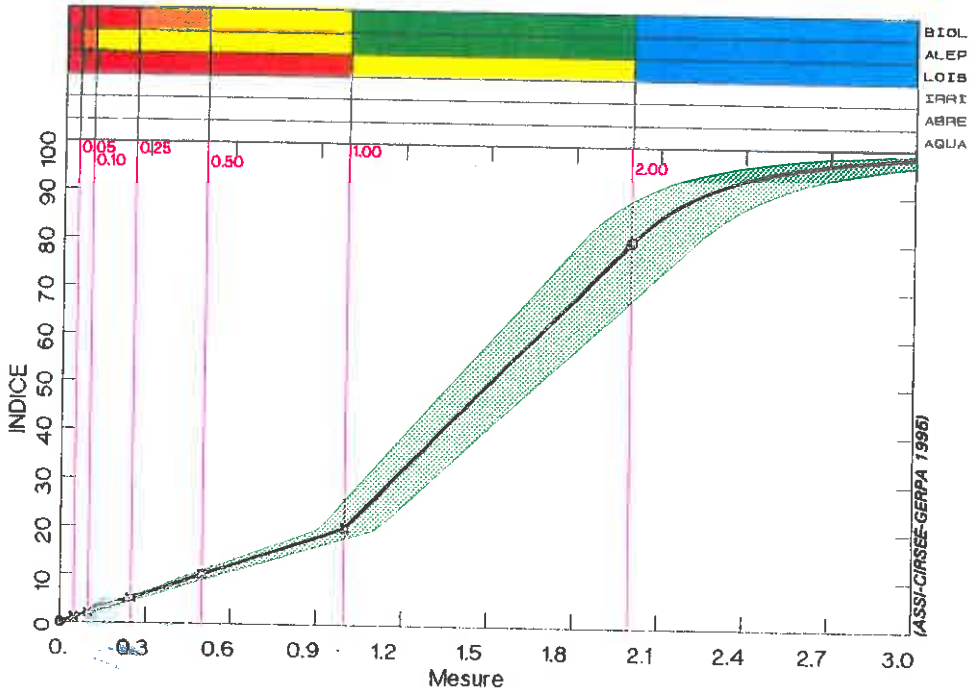
Paramètre : M.E.S.-TOTALES



Paramètre : Turbidité NTU



Paramètre : Transparence



Altération : PARTICULES EN SUSPENSION

PARTICULES EN SUSPENSION

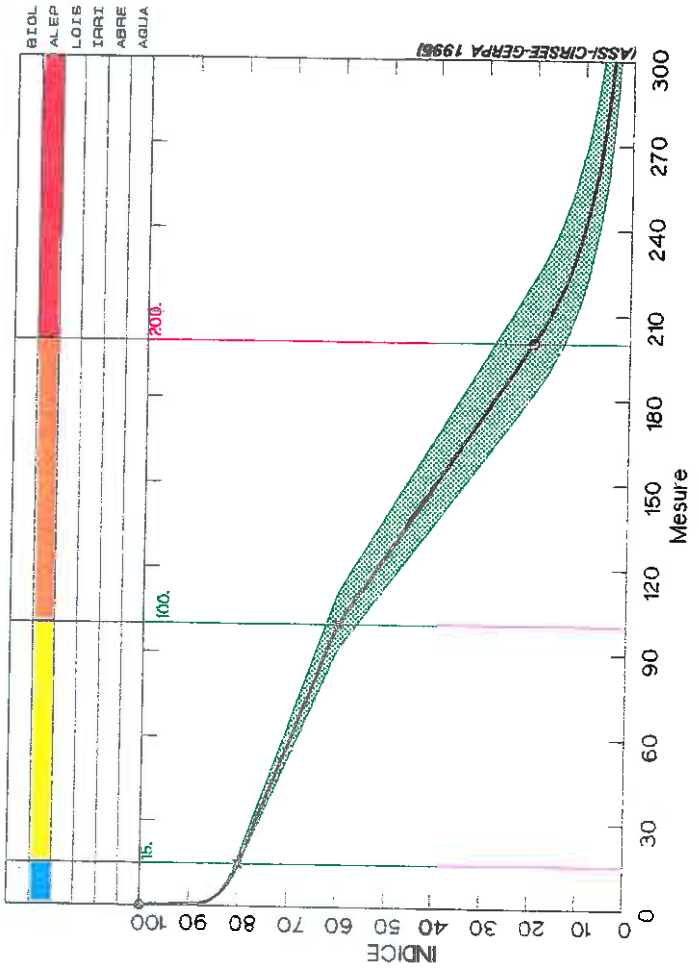
```
0027 9 0 5 0 1  110         5.0        0.  M.E.S.-TOTALES
   6          0.       100.        1. 1 1 1 0 0 1
   1          4.        80.        0. 1 2 1 0 0 1
   1         10.        60.        0. 1 2 1 0 0 3
   1         25.        40.        0. 2 2 2 0 0 3
   1         50.        20.        0. 3 3 5 0 0 5
   1        100.        15.        0. 4 3 5 0 0 5
   1        150.        10.        0. 5 3 5 0 0 5
   1       2000.         5.        0. 5 4 5 0 0 5
   3       5000.         2.        1. 5 5 5 0 0 5
0018 8 0 5 1 1  110       10.0         0.  Turbidité NTU
   6          0.       100.        1. 1 1 0 0 0 0
   1          2.        80.        0. 1 2 0 0 0 0
   1         15.        60.        0. 2 2 0 0 0 0
   1         35.        40.        0. 3 3 0 0 0 0
   1         70.        30.        0. 4 3 0 0 0 0
   1        105.        20.        0. 5 3 0 0 0 0
   1       1500.        10.        0. 5 4 0 0 0 0
   3       3750.         2.        1. 5 5 0 0 0 0
0007 7 0 4 2 1  110      -10.0         0.  Transparence
   2          0.         0.        1. 5 5 5 0 0 0
   1         0.05        1.        0. 5 4 5 0 0 0
   1         0.1         2.        0. 5 3 5 0 0 0
   1         0.25        5.        0. 4 3 5 0 0 0
   1         0.5        10.        0. 3 3 5 0 0 0
   1          1.        20.        0. 2 2 3 0 0 0
   4          2.        80.        1. 1 1 1 0 0 0
```

```
PARTICULES EN SUSPENSION
0027   9   0   5   0   1  110    5.0000     0.0000  M.E.S.-TOTALES
   6        0.  7.9370      0.66667      1 1 1 0 0 1
   1        4. -3.3333       93.333      1 2 1 0 0 1
   1       10. -1.3333       73.333      1 2 1 0 0 3
   1       25.-0.80000       60.000      2 2 2 0 0 3
   1       50.-0.10000       25.000      3 3 5 0 0 5
   1      100.-0.10000       25.000      4 3 5 0 0 5
   1      150.-0.27027E-02   10.405      5 3 5 0 0 5
   1     2000.-0.10000E-02   7.0000      5 4 5 0 0 5
   3     5000. 0.35355E+10  -2.5000      5 5 5 0 0 5
0018   8   0   5   1   1  110   10.0000     0.0000  Turbidité NTU
   6        0.0  17.977      0.15385      1 1 0 0 0 0
   1        2.0 -1.5385       83.077      1 2 0 0 0 0
   1       15.0 -1.0000       75.000      2 2 0 0 0 0
   1       35.0-0.28571       50.000      3 3 0 0 0 0
   1       70.0-0.28571       50.000      4 3 0 0 0 0
   1      105.0-0.71685E-02   20.753      5 3 0 0 0 0
   1     1500.0-0.35556E-02   15.333      5 4 0 0 0 0
   3     3750.0 0.13425E+25  -6.6667      5 5 0 0 0 0
0007   7   0   4   2   1  110  -10.0000     0.0000  Transparence
   2       0.00  20.000       1.0000      5 5 5 0 0 0
   1       0.05  20.000     0.00000E+00   5 4 5 0 0 0
   1       0.10  20.000     0.00000E+00   5 3 5 0 0 0
   1       0.25  20.000     0.00000E+00   4 3 5 0 0 0
   1       0.50  20.000     0.00000E+00   3 3 5 0 0 0
   1       1.00  60.000      -40.000      2 2 3 0 0 0
   4       2.00  1280.0      -6.0000      1 1 1 0 0 0
```

Altération Couleur

Altération : COULEUR

Paramètre : Couleur

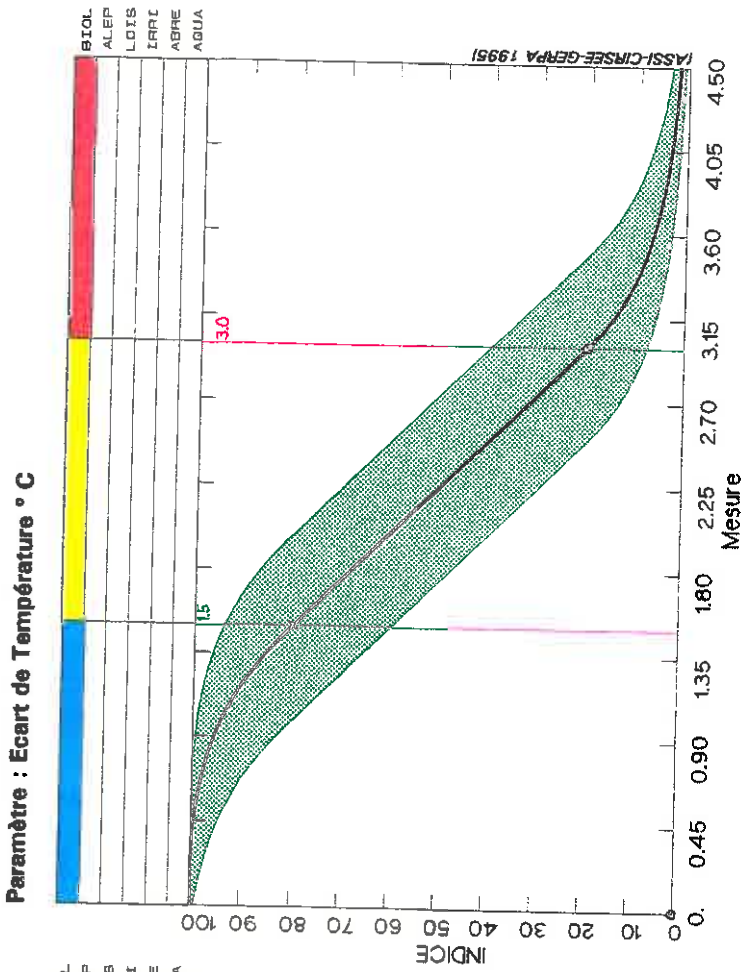


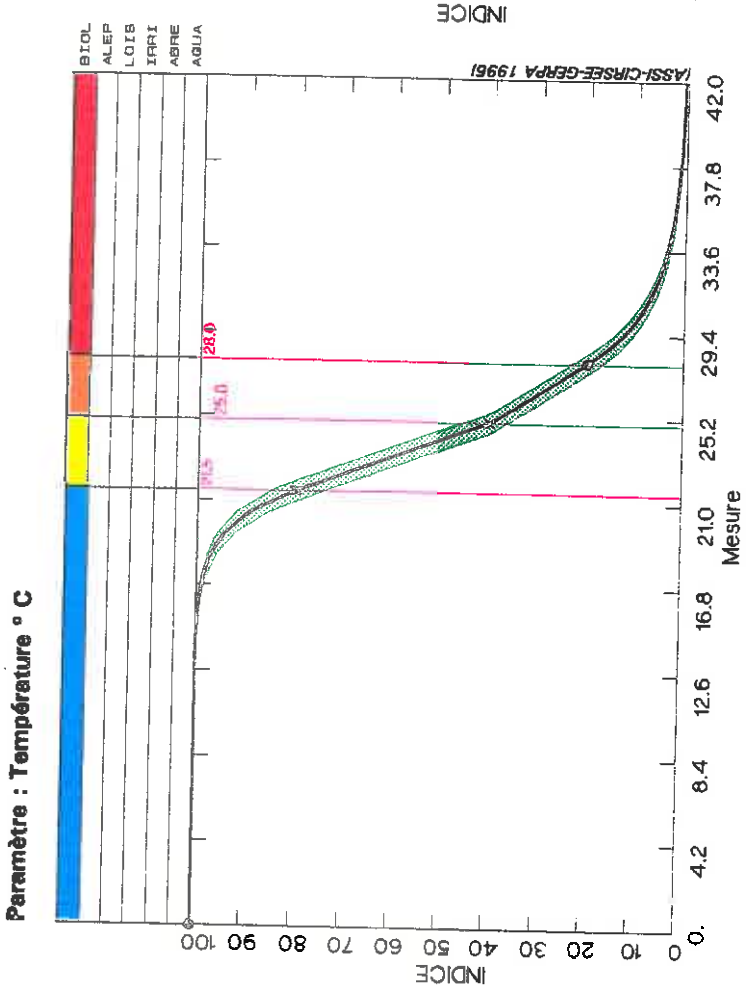
```
COULEUR
0032 4 0 4 0 1  110       10.0          0.  Couleur
   6         0.        100.          1. 0 1 0 0 0 0
   1        15.         80.          0. 0 3 0 0 0 0
   1       100.         60.          0. 0 4 0 0 0 0
   3       200.         20.          1. 0 5 0 0 0 0
```

```
COULEUR
0032    4    0    4    0    1  110    10.0000      0.0000  Couleur
   6          0.   12.402       0.17647      0 1 0 0 0 0
   1         15.-0.23529         83.529      0 3 0 0 0 0
   1        100.-0.40000         100.00      0 4 0 0 0 0
   3        200. 0.32000E+11 -4.0000         0 5 0 0 0 0
```

Altération Température

Altération : TEMPERATURE



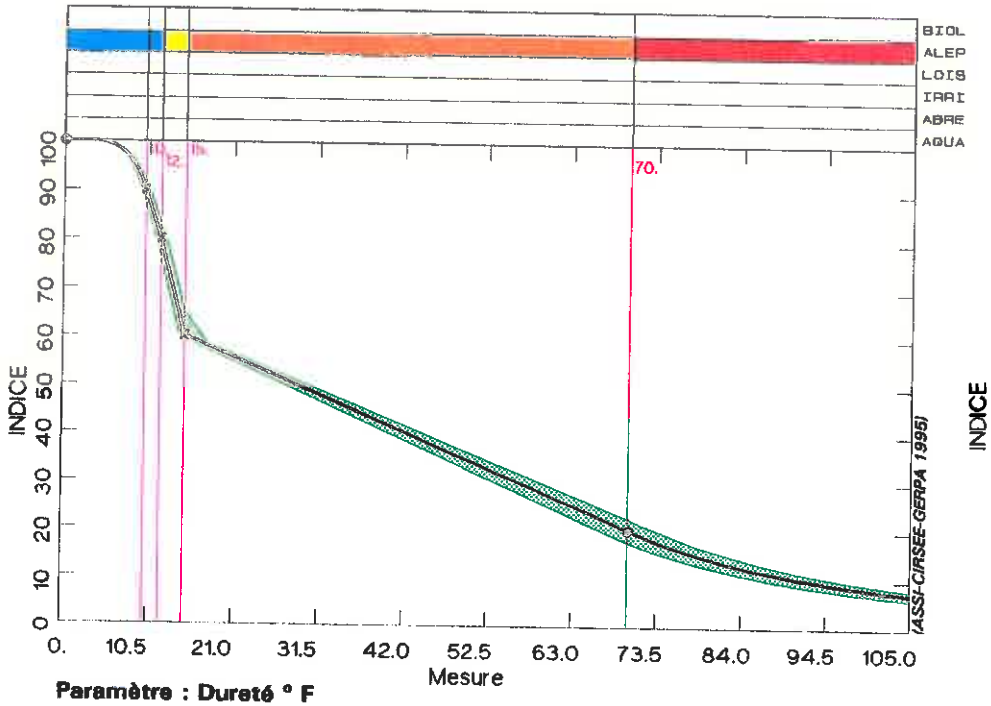


```
TEMPERATURE
0023 4 0 4 1 2  110          0.5          0.  Température º C
   6       0.0          100.          1. 1 0 0 0 0 0
   1      21.5           80.          0. 3 0 0 0 0 0
   1      25.0           40.          0. 4 0 0 0 0 0
   3      28.0           20.          1. 5 0 0 0 0 0
1023 3 0 3 1 2  200          0.5          0.  Ecart de Température º C
   6        0.            0.          1. 1 0 0 0 0 0
   1       1.5           80.          0. 3 0 0 0 0 0
   3       3.0           20.          0. 5 0 0 0 0 0
```

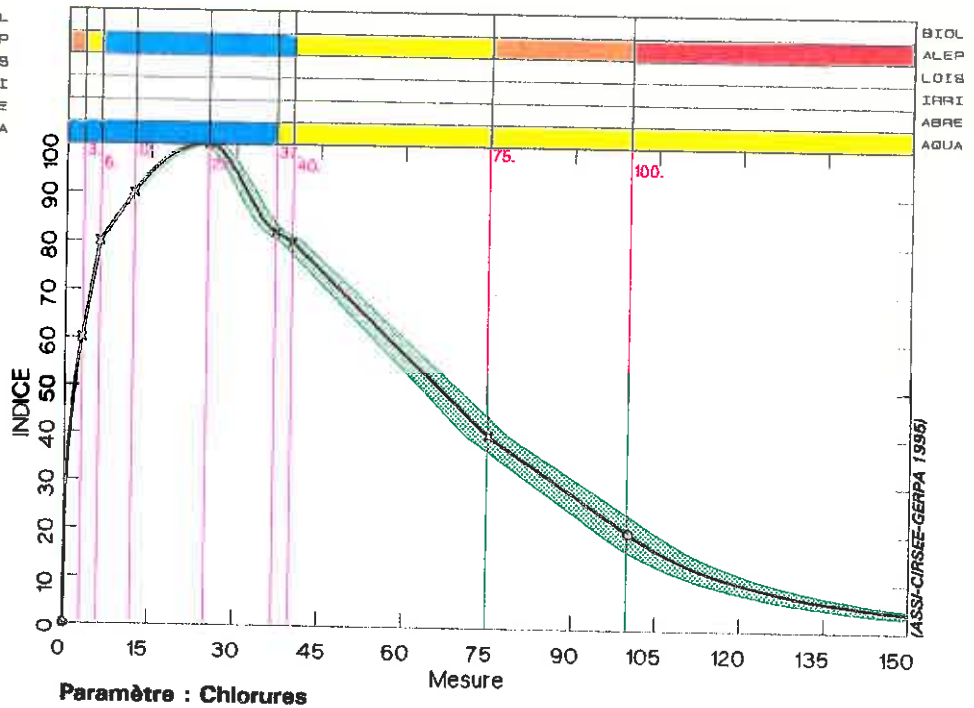
```
TEMPERATURE
0023   4   0   4   1   2  110    0.5000     0.0000  Température º C
   6       0.0 0.85324E-15  12.286     1 0 0 0 0 0
   1      21.5 -11.429       325.71     3 0 0 0 0 0
   1      25.0 -6.6667       206.67     4 0 0 0 0 0
   3      28.0 0.64245E+15 -9.3333     5 0 0 0 0 0
1023   3   0   3   1   2  200    0.5000     0.0000  Ecart de Température º C
   6       0.0  5.9259       3.0000     1 0 0 0 0 0
   1       1.5 -40.000       140.00     3 0 0 0 0 0
   3       3.0  14580.      -6.0000     5 0 0 0 0 0
```

Altération Minéralisation

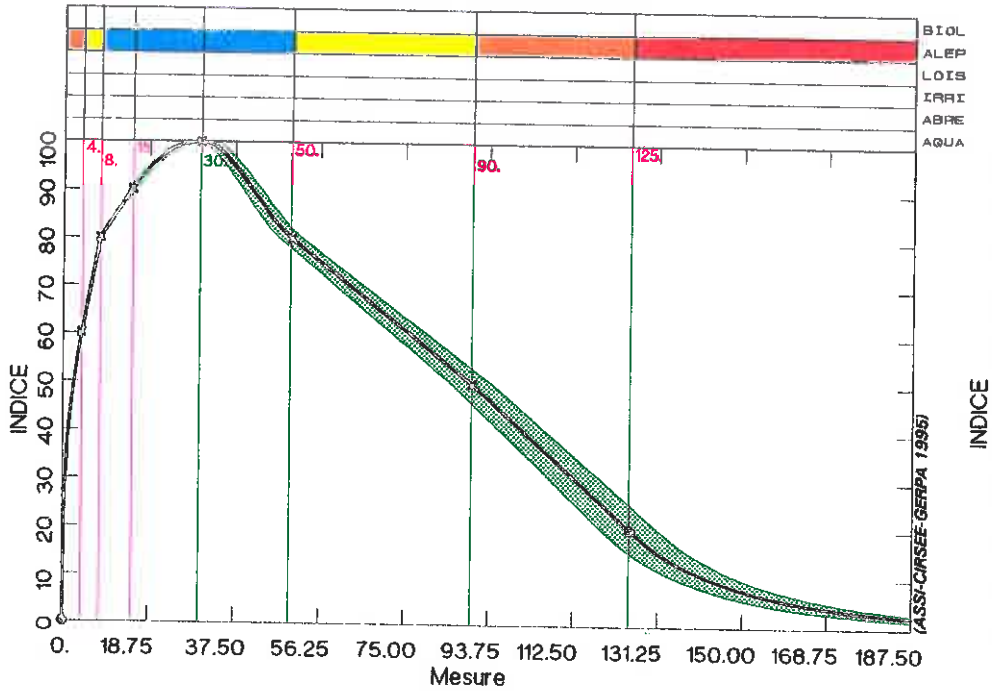
Paramètre : Potassium



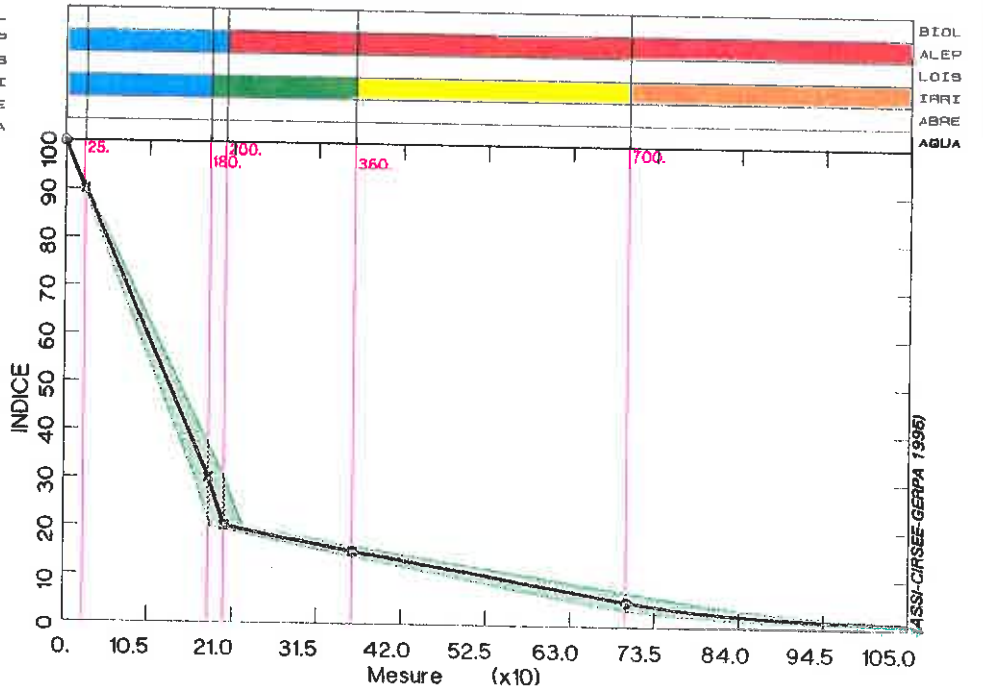
Paramètre : TA / TAC



Paramètre : Dureté ° F

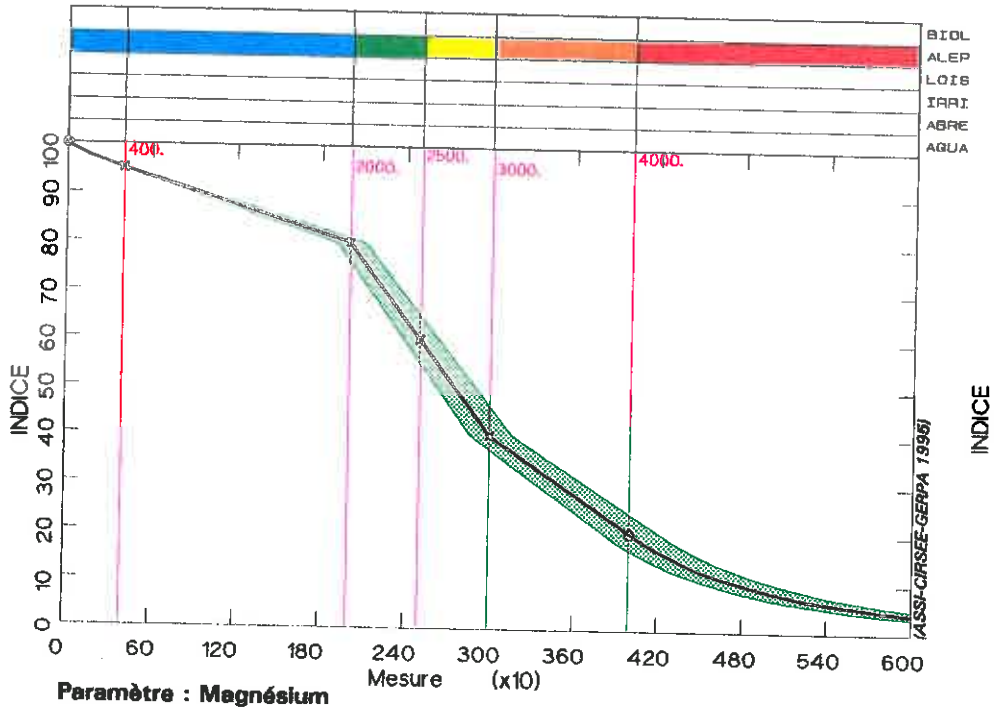


Paramètre : Chlorures

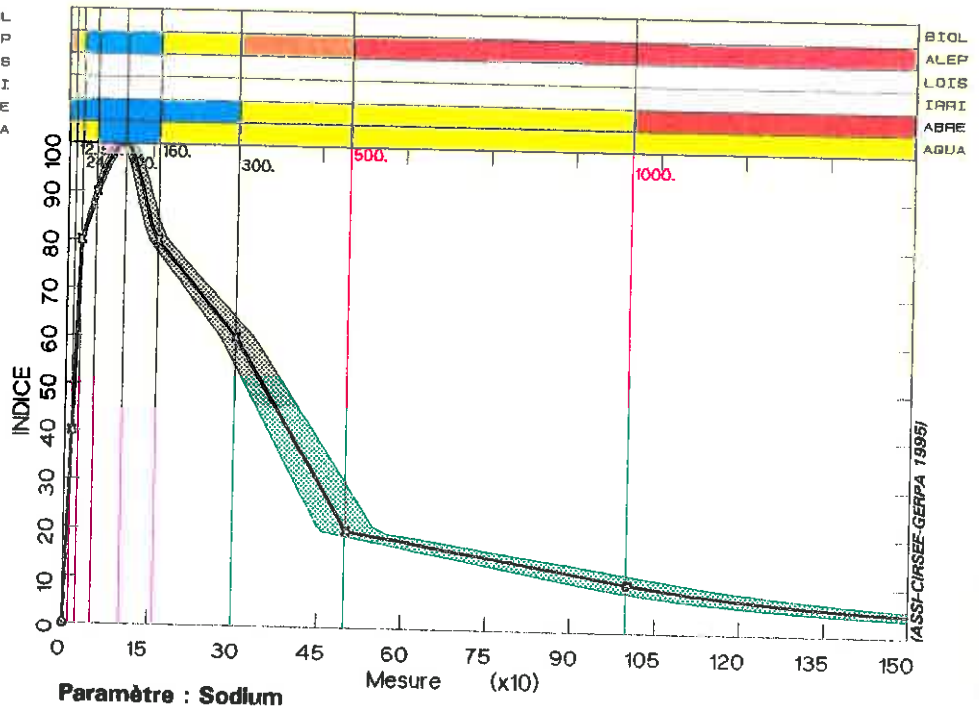


Altération : MINERALISATION

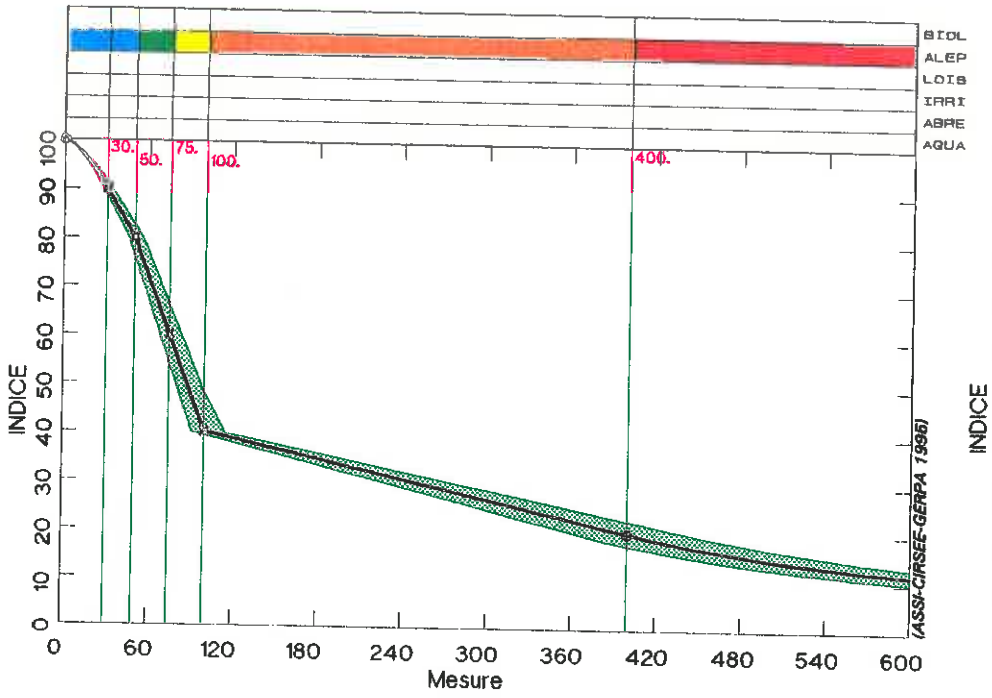
Paramètre : Conductivité µS/cm



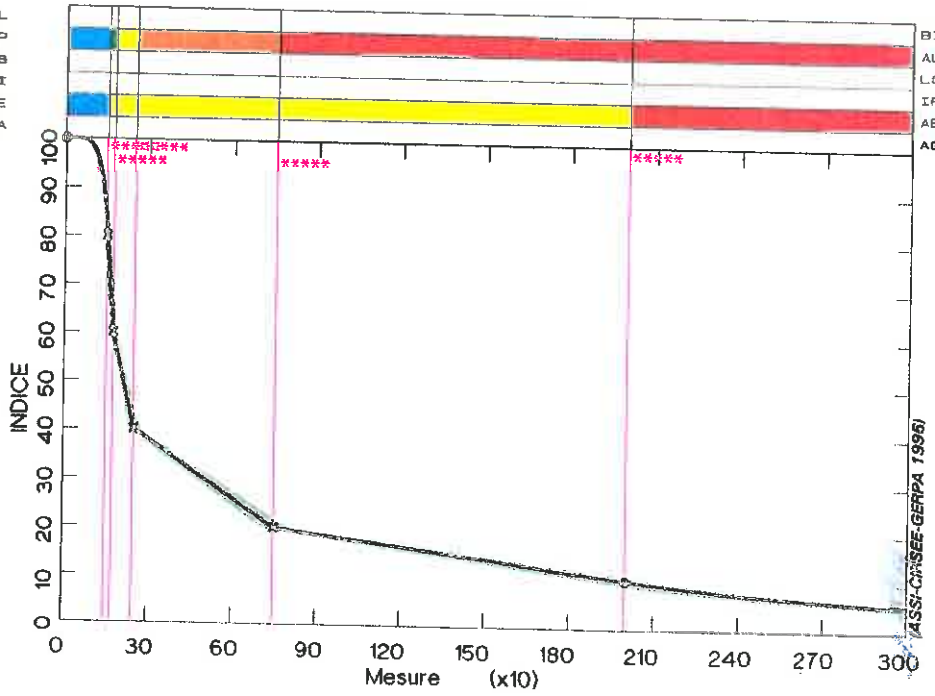
Paramètre : Calcium



Paramètre : Magnésium

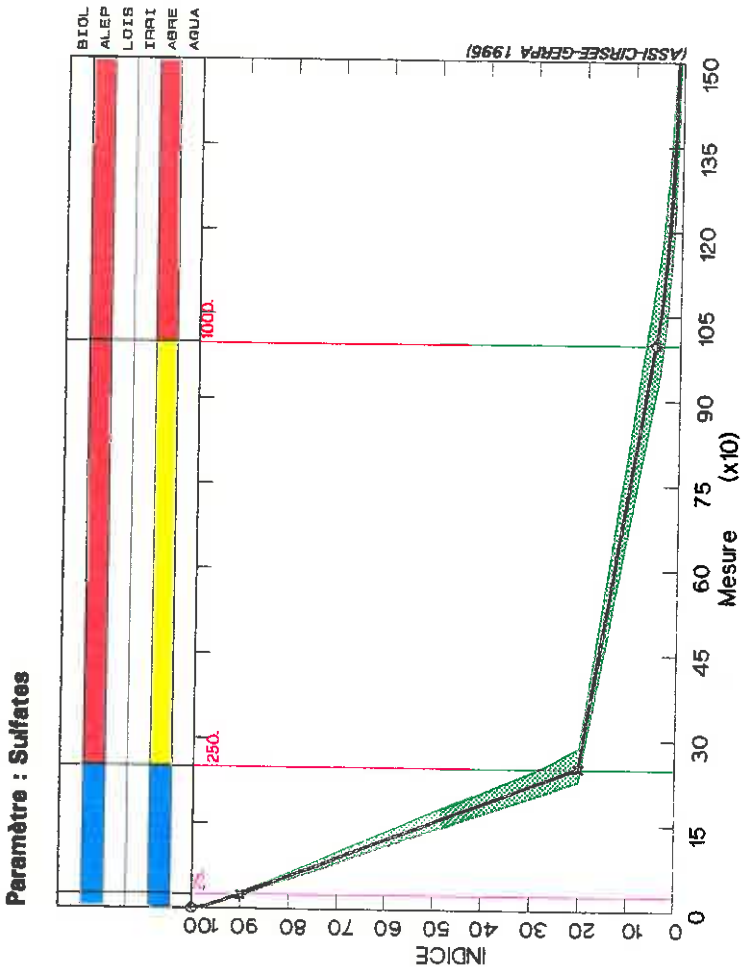


Paramètre : Sodium



Altération : MINERALISATION

Altération : MINERALISATION



MINERALISATION

0025 6 0 5 0 1 110 5.0 0. Conductivité µS/cm

6	0.	100.	1. 0 1 0 0 0 0
1	400.	95.	0. 0 1 0 0 0 0
1	2000.	80.	0. 0 2 0 0 0 0
1	2500.	60.	0. 0 3 0 0 0 0
1	3000.	40.	0. 0 4 0 0 0 0
3	4000.	20.	0. 0 5 0 0 0 0

0062 9 0 5 0 1 200 10.0 100. Calcium

2	0.	0.	1. 0 4 0 0 1 3
1	12.	40.	0. 0 3 0 0 1 3
1	24.	80.	0. 0 1 0 0 1 3
7	50.	90.	1. 0 1 0 0 1 1
5	100.	100.	1. 0 1 0 0 1 1
1	160.	80.	0. 0 3 0 0 1 3
1	300.	60.	0. 0 4 0 0 3 3
1	500.	20.	0. 0 5 0 0 3 3
3	1000.	10.	1. 0 5 0 0 5 3

0063 6 0 4 0 1 300 10.0 0. Magnésium

6	0.	100.	1. 0 1 0 0 0 0
1	30.	90.	0. 0 1 0 0 0 0
1	50.	80.	0. 0 2 0 0 0 0
1	75.	60.	0. 0 3 0 0 0 0
1	100.	40.	0. 0 4 0 0 0 0
3	400.	20.	1. 0 5 0 0 0 0

0064 6 0 5 3 1 400 5.0 0. Sodium

6	0.	100.	1. 0 1 0 0 1 0
1	150.	80.	0. 0 2 0 0 3 0
1	175.	60.	0. 0 3 0 0 3 0
1	250.	40.	0. 0 4 0 0 3 0
1	750.	20.	0. 0 5 0 0 3 0
3	2000.	10.	1. 0 5 0 0 5 0

0065 5 0 3 0 1 500 5.0 0. Potassium

6	0.	100.	1. 0 1 0 0 0 0
1	10.	90.	0. 0 1 0 0 0 0
1	12.	80.	0. 0 3 0 0 0 0
1	15.	60.	0. 0 4 0 0 0 0
3	70.	20.	1. 0 5 0 0 0 0

0080 9 0 4 0 1 600 5.0 25. TA / TAC

2	0.	0.	1. 0 4 0 0 0 1
1	3.	60.	0. 0 3 0 0 0 1
1	6.	80.	0. 0 1 0 0 0 1
7	12.	90.	1. 0 1 0 0 0 1
5	25.	100.	1 0 1 0 0 0 1
1	37.	82.	0. 0 1 0 0 0 3
1	40.	80.	0. 0 3 0 0 0 3
1	75.	40.	0. 0 4 0 0 0 3
3	100.	20.	1. 0 5 0 0 0 3

9991 8 0 4 0 1 700 5.0 30. Dureté º F

2	0.	0.	1. 0 4 0 0 0 0
1	4.	60.	0. 0 3 0 0 0 0
1	8.	80.	0. 0 1 0 0 0 0
7	15.	90.	1. 0 1 0 0 0 0
5	30.	100.	1. 0 1 0 0 0 0
1	50.	80.	0. 0 3 0 0 0 0
1	90.	50.	0. 0 4 0 0 0 0
3	125.	20.	1. 0 5 0 0 0 0

0068 6 0 4 0 1 800 10.0 0. Chlorures

6	0.	100.	1. 0 1 0 1 0 0
1	25.	90.	0. 0 1 0 1 0 0
1	180.	30.	0. 0 1 0 2 0 0
1	200.	20.	0. 0 5 0 2 0 0
1	360.	15.	0. 0 5 0 3 0 0
3	700.	5.	1. 0 5 0 4 0 0

0069 4 0 5 0 1 900 10.0 0. Sulfates

6	0.	100.	1. 0 1 0 0 1 0
1	25.	90.	0. 0 1 0 0 1 0
1	250.	20.	0. 0 5 0 0 3 0

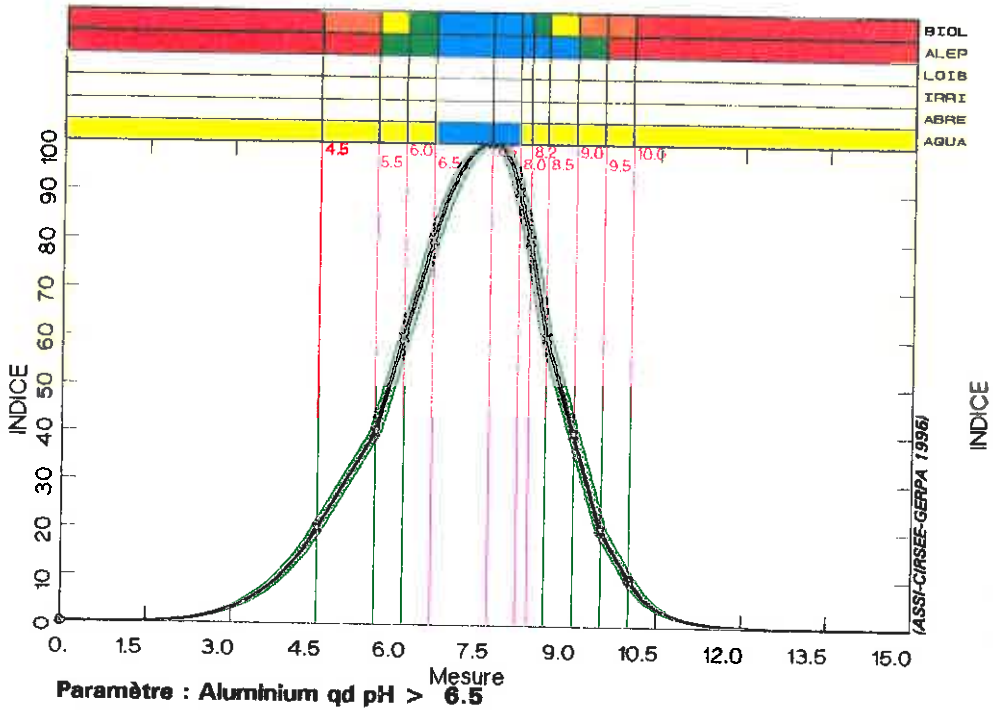
3 1000. 5. 1.050050

```
MINERALISATION
0025   6   0   5   0   1  110    5.0000     0.0000  Conductivité µS/cm
   6        0. 0.55902E-01 0.75000      0 1 0 0 0 0
   1      400.-0.93750E-02  98.750      0 1 0 0 0 0
   1     2000.-0.40000E-01  160.00      0 2 0 0 0 0
   1     2500.-0.40000E-01  160.00      0 3 0 0 0 0
   1     3000.-0.20000E-01  100.00      0 4 0 0 0 0
   3     4000. 0.51200E+16 -4.0000      0 5 0 0 0 0
0062   9   0   5   0   1  200   10.0000   100.0000  Calcium
   2        0.  3.3333       1.0000      0 4 0 0 1 3
   1       12.  3.3333     0.00000E+00 0 3 0 0 1 3
   1       24. 0.38462       70.769      0 1 0 0 1 3
   7       50.-0.61538E-05 0.43077E-02 0 1 0 0 1 1
   5      100.-0.14550E-03 0.14286E-01 0 1 0 0 1 1
   1      160.-0.14286       102.86      0 3 0 0 1 3
   1      300.-0.20000       120.00      0 4 0 0 3 3
   1      500.-0.20000E-01   30.000      0 5 0 0 3 3
   3     1000. 0.10000E+08 -2.0000      0 5 0 0 5 3
0063   6   0   4   0   1  300   10.0000     0.0000  Magnésium
   6        0. 0.60858E-01  1.5000      0 1 0 0 0 0
   1       30.-0.50000       105.00      0 1 0 0 0 0
   1       50.-0.80000       120.00      0 2 0 0 0 0
   1       75.-0.80000       120.00      0 3 0 0 0 0
   1      100.-0.66667E-01   46.667      0 4 0 0 0 0
   3      400.  58945.      -1.3333      0 5 0 0 0 0
0064   6   0   5   3   1  400    5.0000     0.0000  Sodium
   6     0.000 0.17558E-11  6.0000      0 1 0 0 1 0
   1   150.000-0.80000       200.00      0 2 0 0 3 0
   1   175.000-0.26667       106.67      0 3 0 0 3 0
   1   250.000-0.40000E-01   50.000      0 4 0 0 3 0
   1   750.000-0.80000E-02   26.000      0 5 0 0 3 0
   3  2000.000 0.19127E+07 -1.6000      0 5 0 0 5 0
0065   5   0   3   0   1  500    5.0000     0.0000  Potassium
   6        0. 0.10000E-03  5.0000      0 1 0 0 0 0
   1       10. -5.0000       140.00      0 1 0 0 0 0
   1       12. -6.6667       160.00      0 3 0 0 0 0
   1       15.-0.72727       70.909      0 4 0 0 0 0
   3       70. 0.99459E+06 -2.5455      0 5 0 0 0 0
0080   9   0   4   0   1  600    5.0000    25.0000  TA / TAC
   2        0.  41.602      0.33333      0 4 0 0 0 1
   1        3.  6.6667       40.000      0 3 0 0 0 1
   1        6.  1.6667       70.000      0 1 0 0 0 1
   7       12. 0.75861E-03 0.49310E-01 0 1 0 0 0 1
   5       25.-0.16204E-01 0.31944      0 1 0 0 0 1
   1       37.-0.66667       106.67      0 1 0 0 0 3
   1       40. -1.1429       125.71      0 3 0 0 0 3
   1       75.-0.80000       100.00      0 4 0 0 0 3
   3      100. 0.20000E+10 -4.0000      0 5 0 0 0 3
9991   8   0   4   0   1  700    5.0000    30.0000  Dureté º F
   2        0.  37.798      0.33333      0 4 0 0 0 0
   1        4.  5.0000       40.000      0 3 0 0 0 0
   1        8.  1.4286       68.571      0 1 0 0 0 0
   7       15. 0.42328E-03 0.38095E-01 0 1 0 0 0 0
   5       30.-0.31250E-02 0.11250      0 1 0 0 0 0
   1       50.-0.75000       117.50      0 3 0 0 0 0
   1       90.-0.85714       127.14      0 4 0 0 0 0
   3      125. 0.34235E+13 -5.3571      0 5 0 0 0 0
0068   6   0   4   0   1  800   10.0000     0.0000  Chlorures
   6        0. 0.44377      0.96774      0 1 0 1 0 0
   1       25.-0.38710       99.677      0 1 0 1 0 0
   1      180.-0.50000       120.00      0 1 0 2 0 0
   1      200.-0.31250E-01   26.250      0 5 0 2 0 0
   1      360.-0.29412E-01   25.588      0 5 0 3 0 0
   3      700. 0.25947E+13 -4.1176      0 5 0 4 0 0
0069   4   0   5   0   1  900   10.0000     0.0000  Sulfates
   6        0. 0.81792      0.77778      0 1 0 0 1 0
   1       25.-0.31111       97.778      0 1 0 0 1 0
   1      250.-0.20000E-01   25.000      0 5 0 0 3 0
```

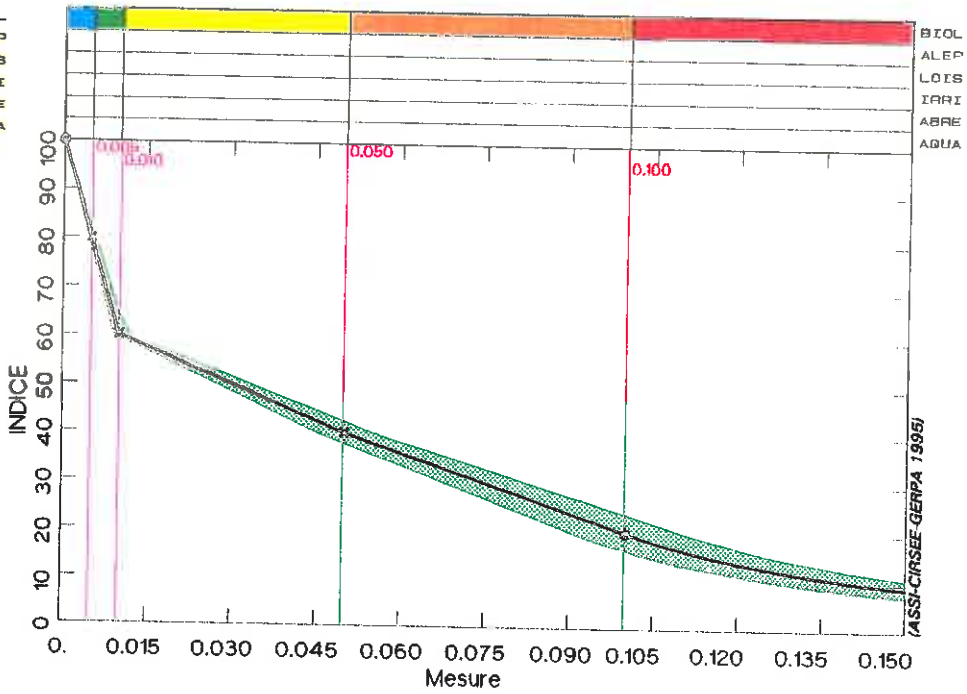
```
3      1000. 0.50000E+13 -4.0000     0 5 0 0 5 0
```

Altération Acidification

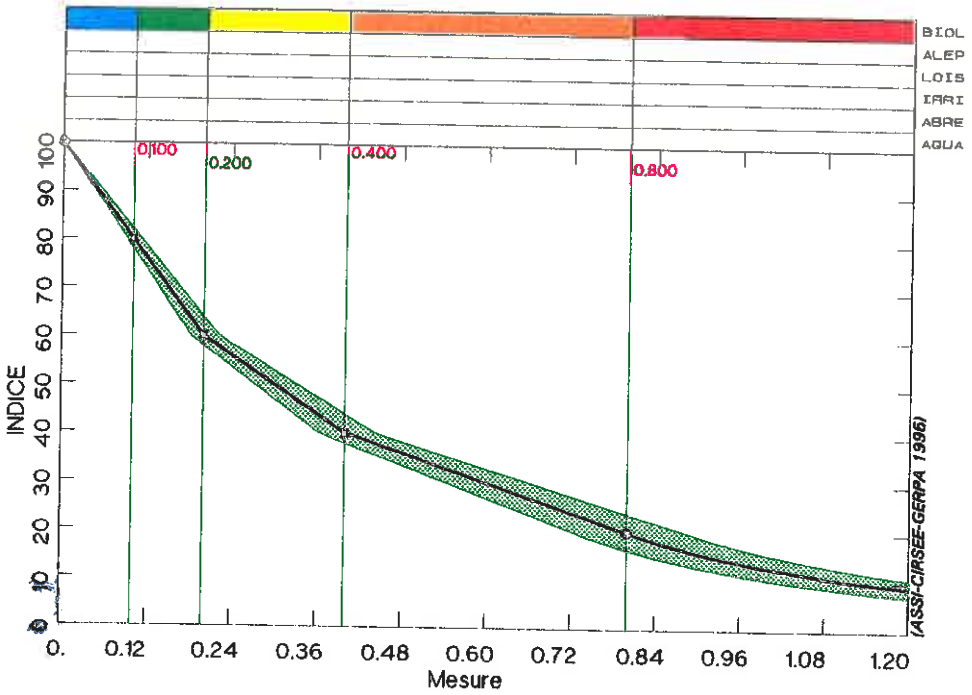
Paramètre : pH



Paramètre : Aluminium qd pH < = 6.5



Paramètre : Aluminium qd pH > 6.5



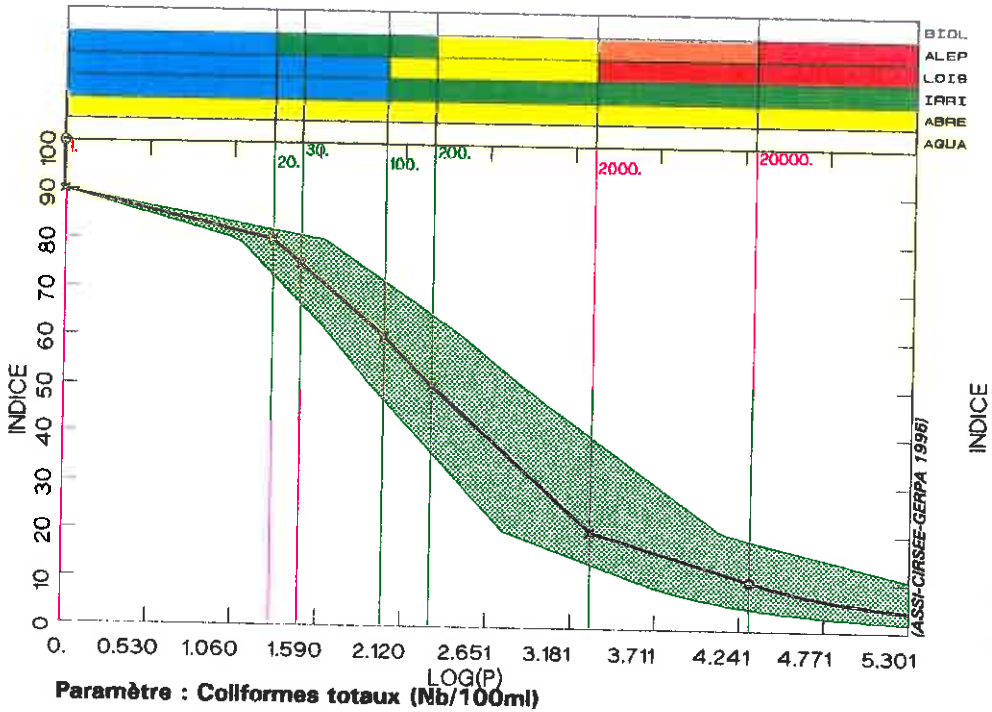
Altération : ACIDIFICATION

```
ACIDIFICATION
002412 0 4 1 2  110        0.1        7.5  pH
   2        0.0          0.          1. 5 5 0 0 0 3
   1        4.5         20.          0. 4 5 0 0 0 3
   1        5.5         40.          0. 3 2 0 0 0 3
   1        6.0         60.          0. 2 2 0 0 0 3
   7        6.5         80.          1. 1 1 0 0 0 1
   5        7.5        100.          1. 1 1 0 0 0 1
   1        8.0         90.          1. 1 1 0 0 0 3
   1        8.2         80.          1. 2 1 0 0 0 3
   1        8.5         60.          0. 3 1 0 0 0 3
   1        9.0         40.          0. 4 2 0 0 0 3
   1        9.5         20.          0. 4 5 0 0 0 3
   3       10.0         10.          1. 5 5 0 0 0 3
+102 5 0 5 3 1  200        10.0          0.  Aluminium qd pH <= 6.5
   6         0.         100.          1. 1 0 0 0 0 0 0
   1     0.005          80.          0. 2 0 0 0 0 0 0
   1     0.010          60.          0. 3 0 0 0 0 0 0
   1     0.050          40.          0. 4 0 0 0 0 0 0
   3     0.100          20.          1. 5 0 0 0 0 0 0
-102 5 0 5 3 1  200        10.0          0.  Aluminium qd pH >  6.5
   6         0.         100.          1. 1 0 0 0 0 0 0
   1     0.100          80.          0. 2 0 0 0 0 0 0
   1     0.200          60.          0. 3 0 0 0 0 0 0
   1     0.400          40.          0. 4 0 0 0 0 0 0
   3     0.800          20.          1. 5 0 0 0 0 0 0
```

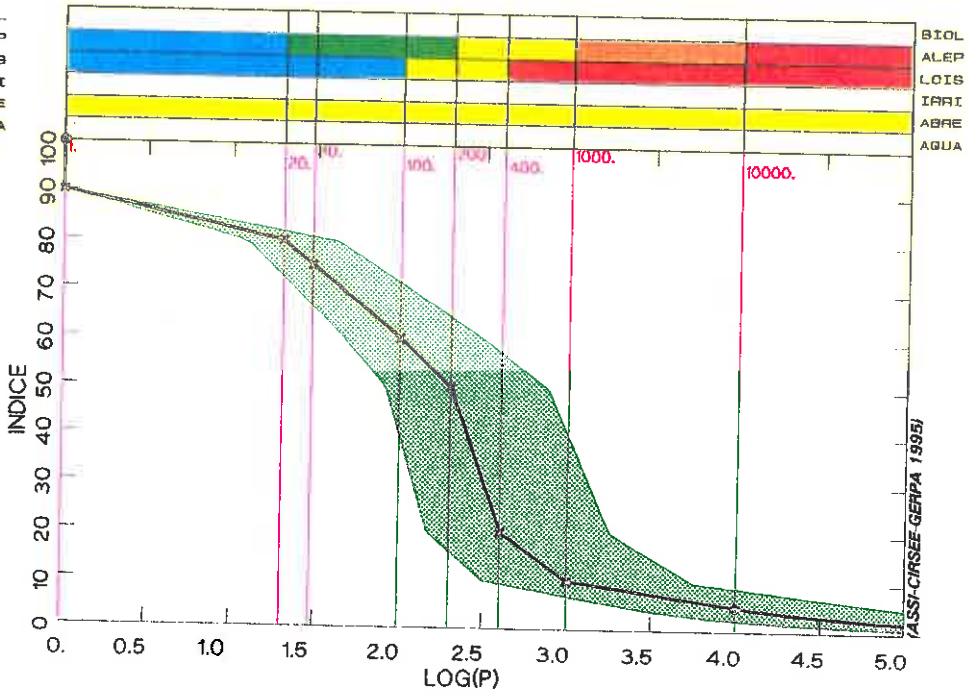
```
ACIDIFICATION
0024  12    0    4    1    2  110     0.1000      7.5000  pH
   2         0.0 0.22992E-01  4.5000      5 5 0 0 0 3
   1         4.5  20.000      -70.000     4 5 0 0 0 3
   1         5.5  40.000      -180.00     3 2 0 0 0 3
   1         6.0  40.000      -180.00     2 2 0 0 0 3
   7         6.5 0.00000E+00  20.000      1 1 0 0 0 1
   5         7.5  40.000       20.000     1 1 0 0 0 1
   1         8.0 -50.000       490.00     1 1 0 0 0 3
   1         8.2 -66.667       626.67     2 1 0 0 0 3
   1         8.5 -40.000       400.00     3 1 0 0 0 3
   1         9.0 -40.000       400.00     4 2 0 0 0 3
   1         9.5 -20.000       210.00     4 5 0 0 0 3
   3        10.0 0.10000E+22 -20.000      5 5 0 0 0 3
+102    5    0    5    3    1  200    10.0000      0.0000  Aluminium qd pH <= 6.5
   6       0.000  4000.0        1.0000     1 0 0 0 0 0
   1       0.005 -4000.0        100.00     2 0 0 0 0 0
   1       0.010 -500.00        65.000     3 0 0 0 0 0
   1       0.050 -400.00        60.000     4 0 0 0 0 0
   3       0.100 0.20000       -2.0000     5 0 0 0 0 0
-102    5    0    5    3    1  200    10.0000      0.0000  Aluminium qd pH >  6.5
   6       0.000  200.00        1.0000     1 0 0 0 0 0
   1       0.100 -200.00        100.00     2 0 0 0 0 0
   1       0.200 -100.00        80.000     3 0 0 0 0 0
   1       0.400 -50.000        60.000     4 0 0 0 0 0
   3       0.800  12.800       -2.0000     5 0 0 0 0 0
```

Altération Micro-organismes

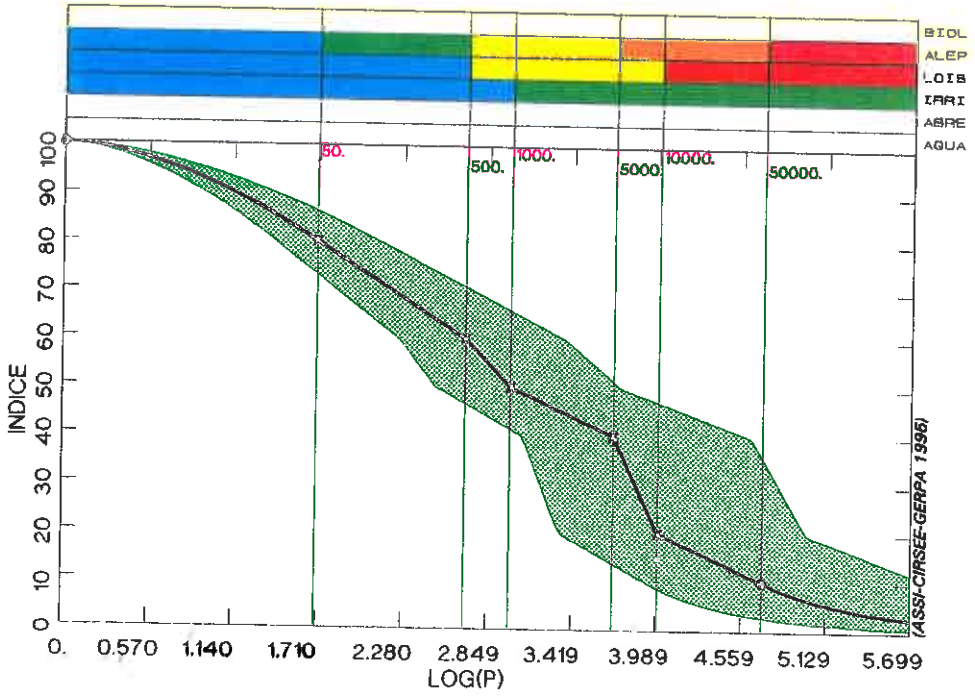
Paramètre : Coliformes fécaux (Nb/100ml)



Paramètre : Streptocoques fécaux (Nb/100ml



Paramètre : Coliformes totaux (Nb/100ml)



Altération : MICRO-ORGANISMES

MICRO-ORGANISMES

0142 8 1 8 5 1 110 20.0 0. Coliformes fécaux (Nb/100ml)

6	0.00000	100.	1. 0 1 1 1 1 0	0	
1	0.00001	90.	0. 0 1 1 1 3 0	0[	
1	1.30103	80.	0. 0 2 1 1 3 0	20	
1	1.47712	75.	0. 0 2 1 1 3 0	30	
1	2.00000	60.	0. 0 2 3 2 3 0	100	
1	2.30103	50	0. 0 3 3 2 3 0	200	
1	3.30103	20.	0. 0 4 5 2 3 0	2000	
3	4.30103	10.	1. 0 5 5 2 3 0	20000	

0144 9 1 8 5 1 110 20.0 0. Streptocoques fécaux (Nb/100ml)

6	0.00000	100.0	1. 0 1 1 0 1 0	0	
1	0.00001	90.	0. 0 1 1 0 3 0	0[	
1	1.30103	80.	0. 0 2 1 0 3 0	20	
1	1.47712	75.	0. 0 2 1 0 3 0	30	
1	2.00000	60.	0. 0 2 3 0 3 0	100	
1	2.30103	50.	0. 0 3 3 0 3 0	200	
1	2.60206	20.	0. 0 3 5 0 3 0	400	
1	3.00000	10.	0. 0 4 5 0 3 0	1000	
3	4.00000	5.	1. 0 5 5 0 3 0	10000	

0141 7 1 8 5 1 200 20.0 0. Coliformes totaux (Nb/100ml)

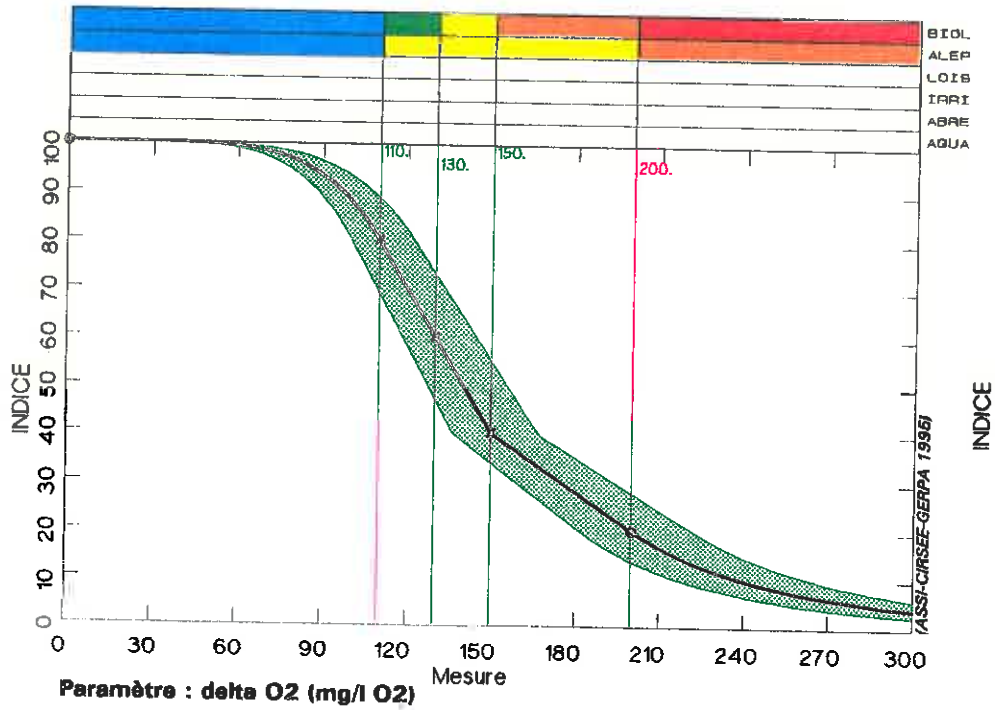
6	0.	100.	1. 0 1 1 1 0 0	0	
1	1.69897	80.	0. 0 2 1 1 0 0	50	
1	2.69897	60.	0. 0 3 3 1 0 0	500	
1	3.00000	50.	0. 0 3 3 2 0 0	1000	
1	3.69897	40.	0. 0 4 3 2 0 0		5000
1	4.00000	20.	0. 0 4 5 2 0 0	10000	
3	4.69897	10.	1. 0 5 5 2 0 0	50000	

MICRO-ORGANISMES

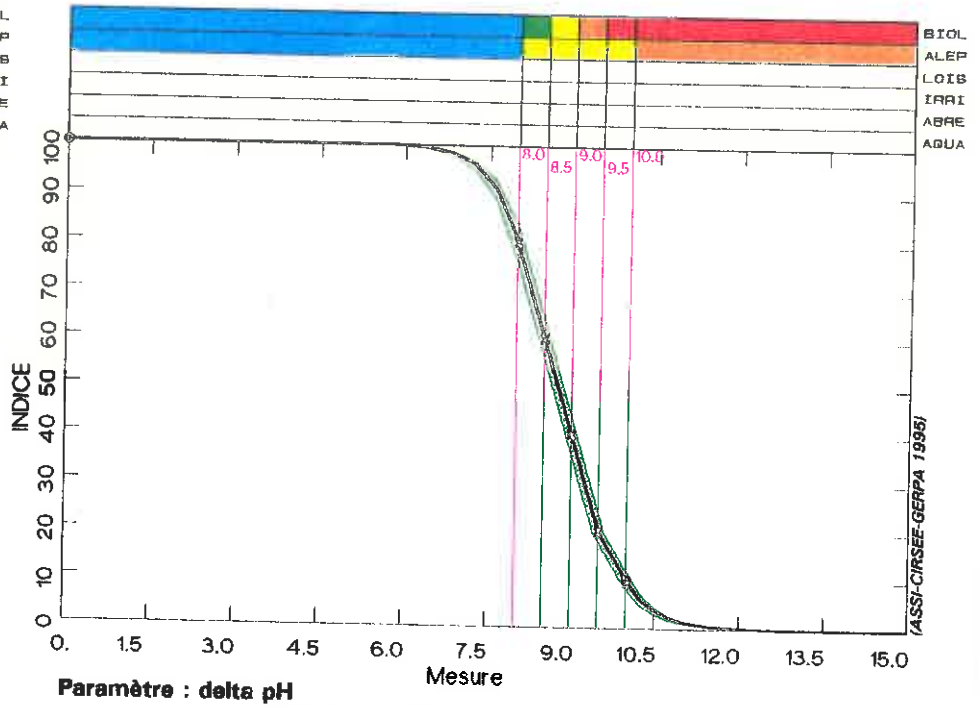
```
0142    8    1    8    5    1  110    20.0000      0.0000  Coliformes fécaux (Nb/100ml)
   6    0.00000   10.001       0.76863E-05 0 1 1 1 1 0
   1    0.00001  -7.6863        90.000      0 1 1 1 3 0
   1    1.30103 -28.395         116.94      0 2 1 1 3 0
   1    1.47712 -28.687         117.37      0 2 1 1 3 0
   1    2.00000 -33.219         126.44      0 2 3 2 3 0
   1    2.30103 -30.000         119.03      0 3 3 2 3 0
   1    3.30103 -10.000         53.010      0 4 5 2 3 0
   3    4.30103   5309.0       -4.3010      0 5 5 2 3 0
0144    9    1    8    5    1  110    20.0000      0.0000  Streptocoques fécaux (Nb/100ml
   6    0.00000   10.001       0.76863E-05 0 1 1 0 1 0
   1    0.00001  -7.6863        90.000      0 1 1 0 3 0
   1    1.30103 -28.395         116.94      0 2 1 0 3 0
   1    1.47712 -28.687         117.37      0 2 1 0 3 0
   1    2.00000 -33.219         126.44      0 2 3 0 3 0
   1    2.30103 -99.658         279.32      0 3 3 0 3 0
   1    2.60206 -25.129         85.388      0 3 5 0 3 0
   1    3.00000 -5.0000         25.000      0 4 5 0 3 0
   3    4.00000   1280.0       -4.0000      0 5 5 0 3 0
0141    7    1    8    5    1  200    20.0000      0.0000  Coliformes totaux (Nb/100ml)
   6    0.00000   8.1274         1.6990      0 1 1 1 0 0
   1    1.69897 -20.000         113.98      0 2 1 1 0 0
   1    2.69897 -33.219         149.66      0 3 3 1 0 0
   1    3.00000 -14.307         92.920      0 3 3 2 0 0
   1    3.69897 -66.439         285.75      0 4 3 2 0 0
   1    4.00000 -14.307         77.227      0 4 5 2 0 0
   3    4.69897 0.32937E+06  -6.7227      0 5 5 2 0 0
```

Altération Phytoplancton

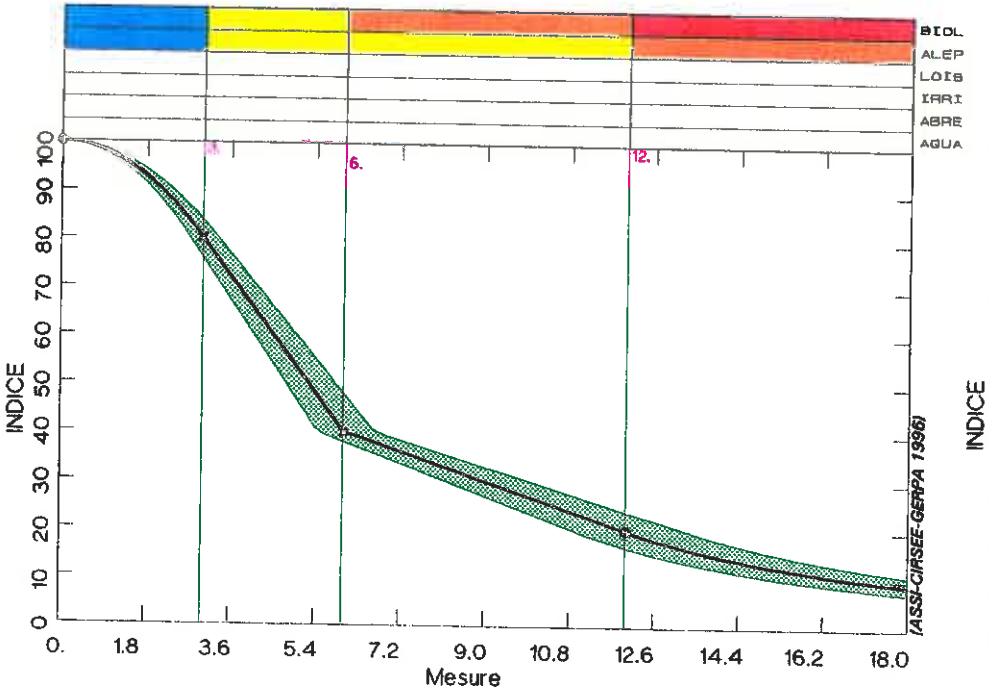
Paramètre : % saturation O2 (%)



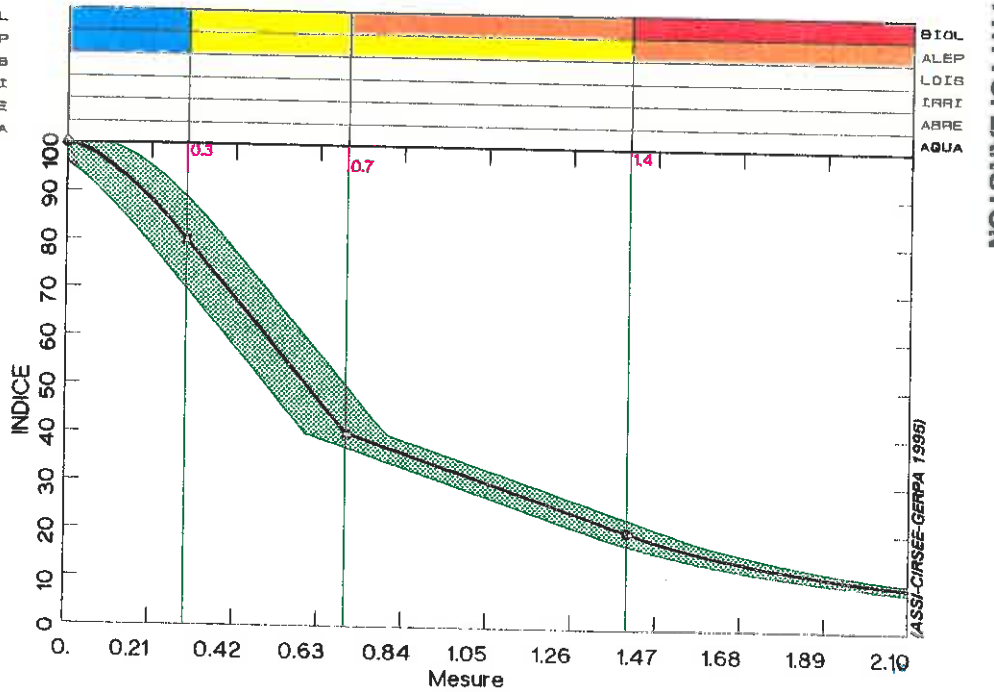
Paramètre : pH



Paramètre : delta O2 (mg/l O2)

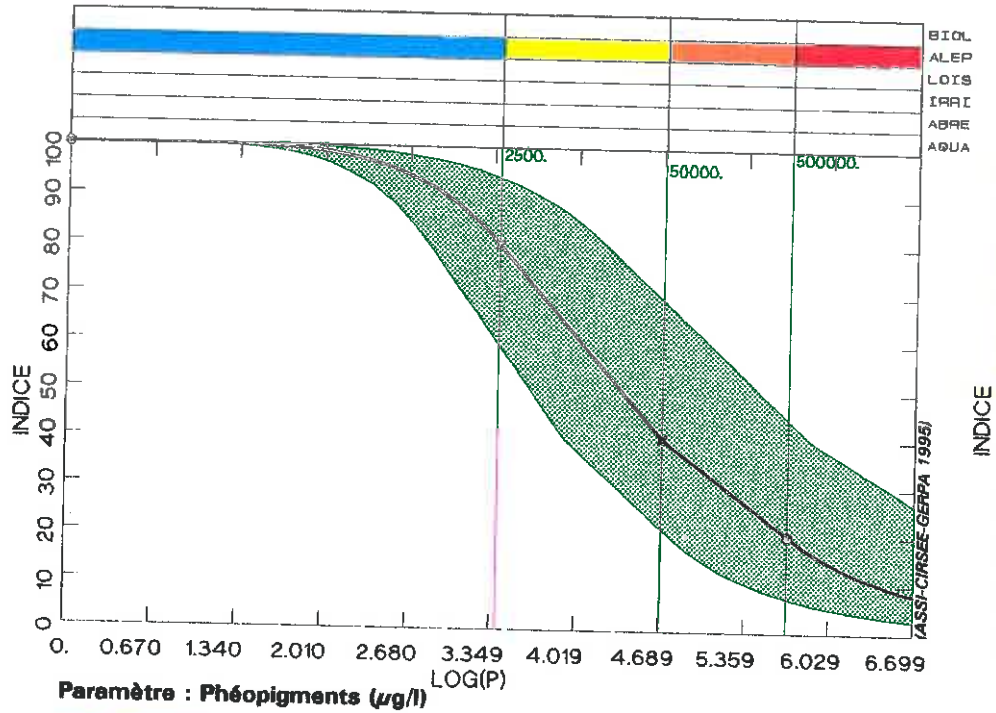


Paramètre : delta pH

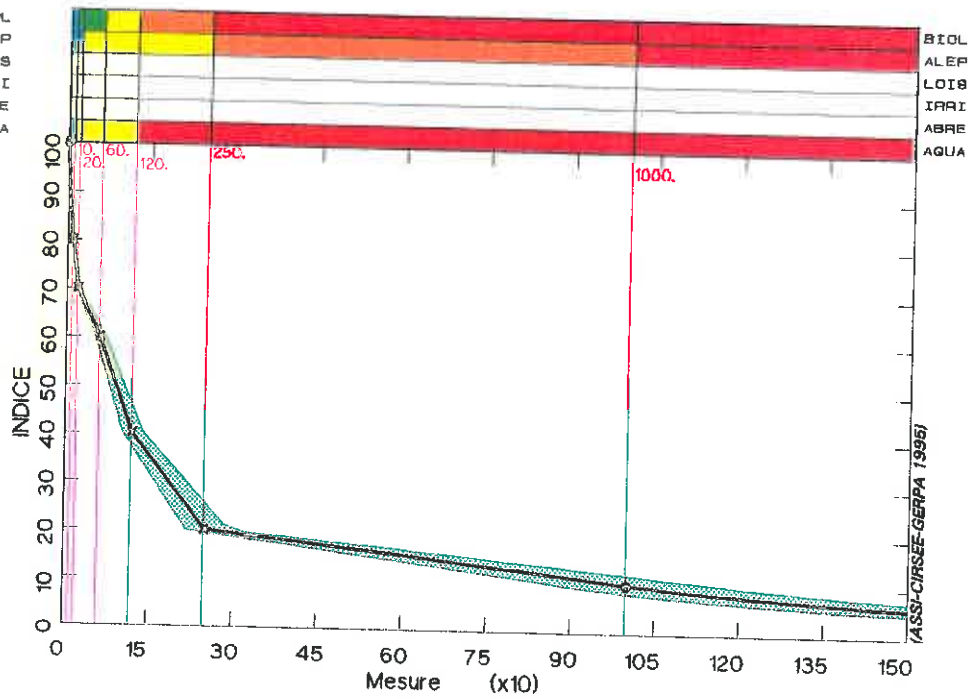


Altération : PHYTOPLANCTON

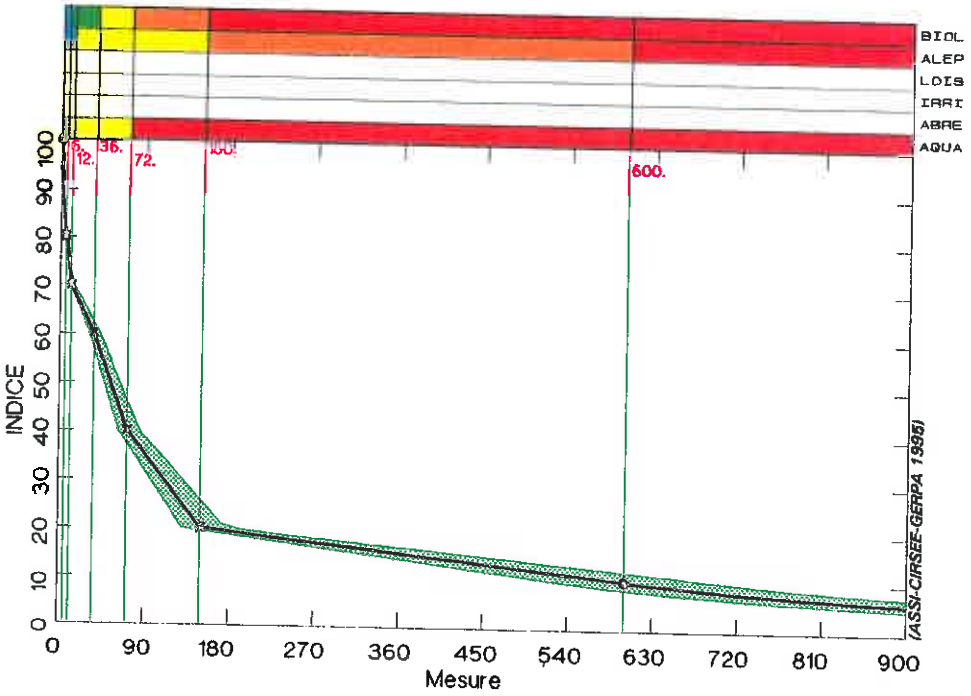
Paramètre : Algues



Paramètre : Chlorophylle a (µg/l) (+ Phéop



Paramètre : Phéopigments (µg/l)



Altération : PHYTOPLANCTON

PHYTOPLANCTON

```
0043 5 0 4 0 1  101        10.0          0.  % saturation O2 (%)
   6         0.          100.          1. 1 1 0 0 0 0
   1       110.           80.          0. 2 3 0 0 0 0
   1       130.           60.          0. 3 3 0 0 0 0
   1       150.           40.          0. 4 3 0 0 0 0
   3       200.           20.          1. 5 4 0 0 0 0
0024 6 0 4 1 2  101         0.1          0.  pH
   6         0.          100.          1. 1 1 0 0 0 0
   1       8.0           80.          0. 2 3 0 0 0 0
   1       8.5           60.          0. 3 3 0 0 0 0
   1       9.0           40.          0. 4 3 0 0 0 0
   1       9.5           20.          0. 5 3 0 0 0 0
   3      10.0           10.          1. 5 4 0 0 0 0
1042 4 0 3 0 1  201        10.0          0.  delta O2 (mg/l O2)
   6         0.          100.          1. 1 1 0 0 0 0
   1         3.           80.          0. 3 3 0 0 0 0
   1         6.           40.          0. 4 3 0 0 0 0
   3        12.           20.          1. 5 4 0 0 0 0
1024 4 0 3 1 2  201         0.1          0.  delta pH
   6         0.          100.          1. 1 1 0 0 0 0
   1       0.3           80.          0. 3 3 0 0 0 0
   1       0.7           40.          0. 4 3 0 0 0 0
   3       1.4           20.          1. 5 4 0 0 0 0
9990 4 1 7 4 1  310        20.0          0.  Algues
   6         0.          100.          1. 0 1 0 0 0 0
   1    3.3979           80.          0. 0 3 0 0 0 0
   1    4.6990           40.          0. 0 4 0 0 0 0
   3    5.6990           20.          1. 0 5 0 0 0 0
0250 7 0 5 0 1  310        15.0          0.  Chlorophylle a (µg/l) (+ Phéopigments)
   6         0.          100.          1. 1 1 0 0 0 1
   1        10.           80.          0. 2 1 0 0 0 3
   1        20.           70.          0. 2 3 0 0 0 3
   1        60.           60.          0. 3 3 0 0 0 3
   1       120.           40.          0. 4 3 0 0 0 5
   1       250.           20.          0. 5 4 0 0 0 5
   3      1000.           10.          0. 5 5 0 0 0 5
0253 7 0 5 0 1  300        15.0          0.  Phéopigments (µg/l)
   6         0.          100.          1. 1 1 0 0 0 1
   1         6.           80.          0. 2 1 0 0 0 3
   1        12.           70.          0. 2 3 0 0 0 3
   1        36.           60.          0. 3 3 0 0 0 3
   1        72.           40.          0. 4 3 0 0 0 5
   1       150.           20.          0. 5 4 0 0 0 5
   3       600.           10.          0. 5 5 0 0 0 5
```

PHYTOPLANCTON

```
0043   5   0   4   0   1  101    10.0000      0.0000  % saturation O2 (%)
   6        0. 0.11841E-09  5.5000      1 1 0 0 0 0
   1      110. -1.0000       190.00      2 3 0 0 0 0
   1      130. -1.0000       190.00      3 3 0 0 0 0
   1      150.-0.40000       100.00      4 3 0 0 0 0
   3      200. 0.32000E+11 -4.0000      5 4 0 0 0 0
0024   6   0   4   1   2  101     0.1000      0.0000  pH
   6        0.0 0.71054E-13  16.000      1 1 0 0 0 0
   1        8.0 -40.000       400.00      2 3 0 0 0 0
   1        8.5 -40.000       400.00      3 3 0 0 0 0
   1        9.0 -40.000       400.00      4 3 0 0 0 0
   1        9.5 -20.000       210.00      5 3 0 0 0 0
   3       10.0 0.10000E+22 -20.000      5 4 0 0 0 0
1042   4   0   3   0   1  201    10.0000      0.0000  delta O2 (mg/l O2)
   6        0.  2.2222        2.0000      1 1 0 0 0 0
   1        3. -13.333        120.00      3 3 0 0 0 0
   1        6. -3.3333        60.000      4 3 0 0 0 0
   3       12.  2880.0       -2.0000      5 4 0 0 0 0
1024   4   0   3   1   2  201     0.1000      0.0000  delta pH
   6        0.0  121.72        1.5000      1 1 0 0 0 0
   1        0.3 -100.00        110.00      3 3 0 0 0 0
   1        0.7 -28.571        60.000      4 3 0 0 0 0
   3        1.4  39.200       -2.0000      5 4 0 0 0 0
9990   4   1   7   4   1  310   20.0000      0.0000  Algues
   6    0.0000 0.33609E-01  5.2231      0 1 0 0 0 0
   1    3.3979 -30.743       184.46      0 3 0 0 0 0
   1    4.6990 -20.000       133.98      0 4 0 0 0 0
   3    5.6990 0.40581E+06 -5.6990      0 5 0 0 0 0
0250   7   0   5   0   1  310   15.0000      0.0000  Chlorophylle a (µg/l) (+ Phéop
   6         0.  6.3246      0.50000      1 1 0 0 0 1
   1        10. -1.0000       90.000      2 1 0 0 0 3
   1        20.-0.25000       75.000      2 3 0 0 0 3
   1        60.-0.33333       80.000      3 3 0 0 0 3
   1       120.-0.15385       58.462      4 3 0 0 0 5
   1       250.-0.13333E-01   23.333      5 4 0 0 0 5
   3      1000. 0.10000E+06 -1.3333      5 5 0 0 0 5
253   7   0   5   0   1  300   15.0000      0.0000  Phéopigments (µg/l)
   6         0.  8.1650      0.50000      1 1 0 0 0 1
   1         6. -1.6667       90.000      2 1 0 0 0 3
   1        12.-0.41667       75.000      2 3 0 0 0 3
   1        36.-0.55556       80.000      3 3 0 0 0 3
   1        72.-0.25641       58.462      4 3 0 0 0 5
   1       150.-0.22222E-01   23.333      5 4 0 0 0 5
   3       600.  50606.      -1.3333      5 5 0 0 0 5
```

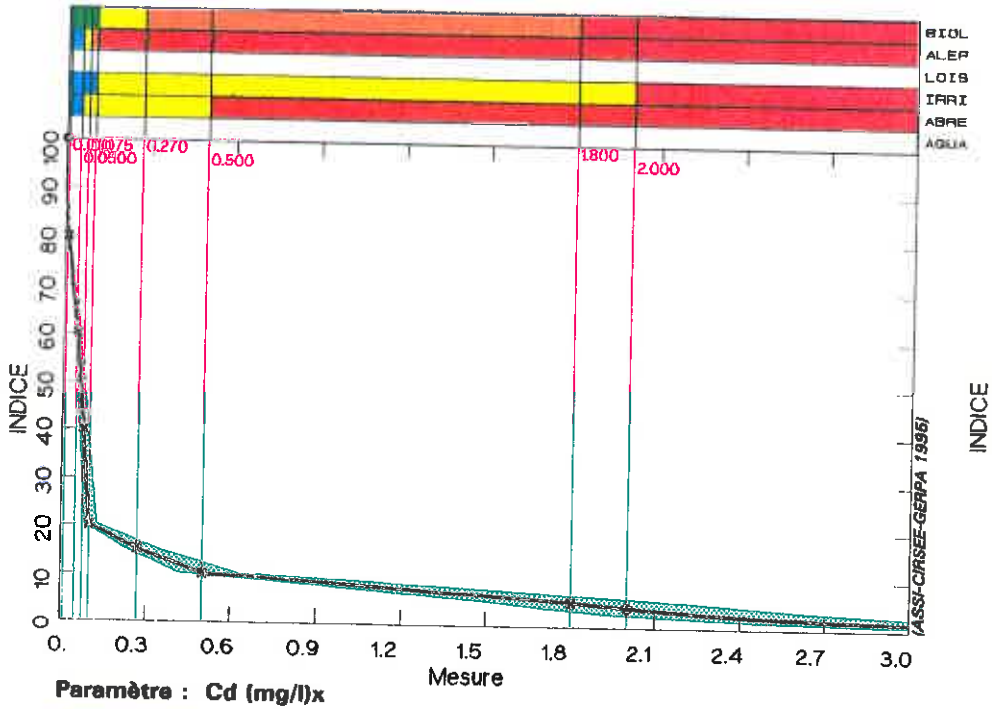
Altération Micropolluants minéraux sur eau brute

Pour cette altération, pour 6 paramètres sur 9, la fonction Potentialités Biologiques a des valeurs seuils qui varient en fonction de la concentration en calcium.

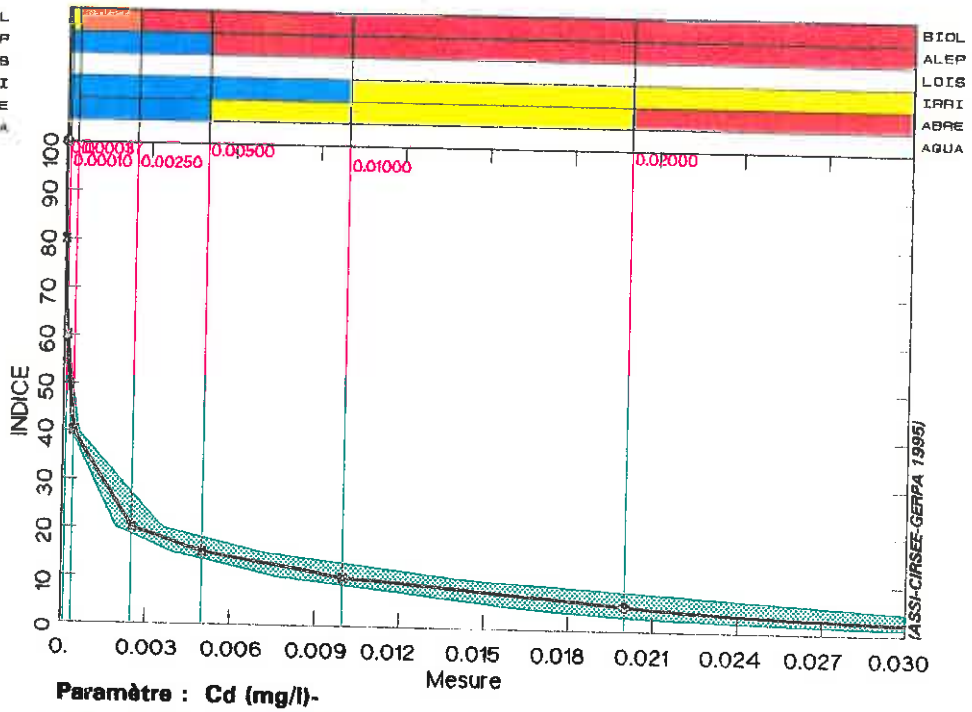
Pour introduire ces variations, trois codes paramètres ont été créés :

- Pour les concentrations en calcium inférieure à 50 mg/l, le code paramètre est précédé du signe + (exemple : cadmium +106)
- Pour les concentrations en calcium comprise entre 50 et 200 mg/l, le code paramètre est précédé du signe x (exemple : cadmium x106)
- Pour les concentrations en calcium supérieure à 200 mg/l, le code paramètre est précédé du signe - (exemple : cadmium -106)

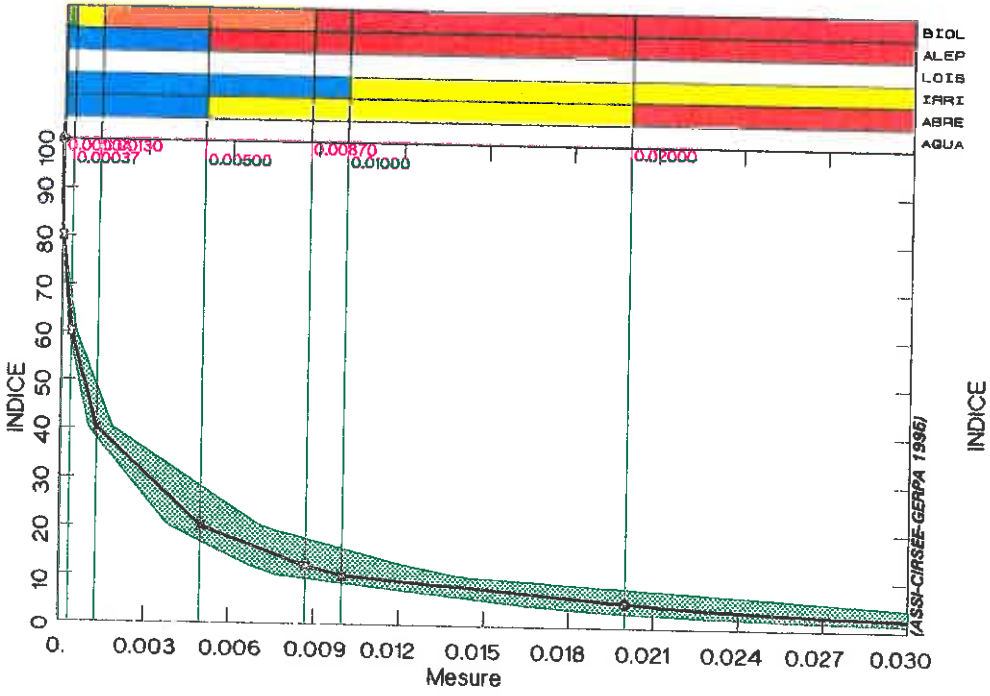
Paramètre : As (mg/l)



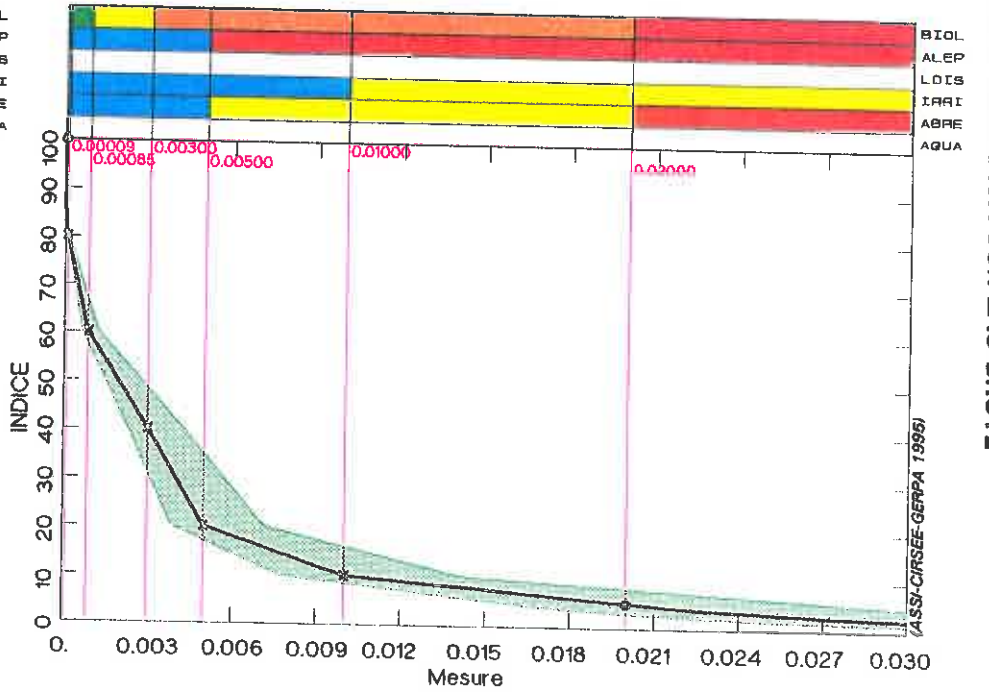
Paramètre : Cd (mg/l) +



Paramètre : Cd (mg/l)x

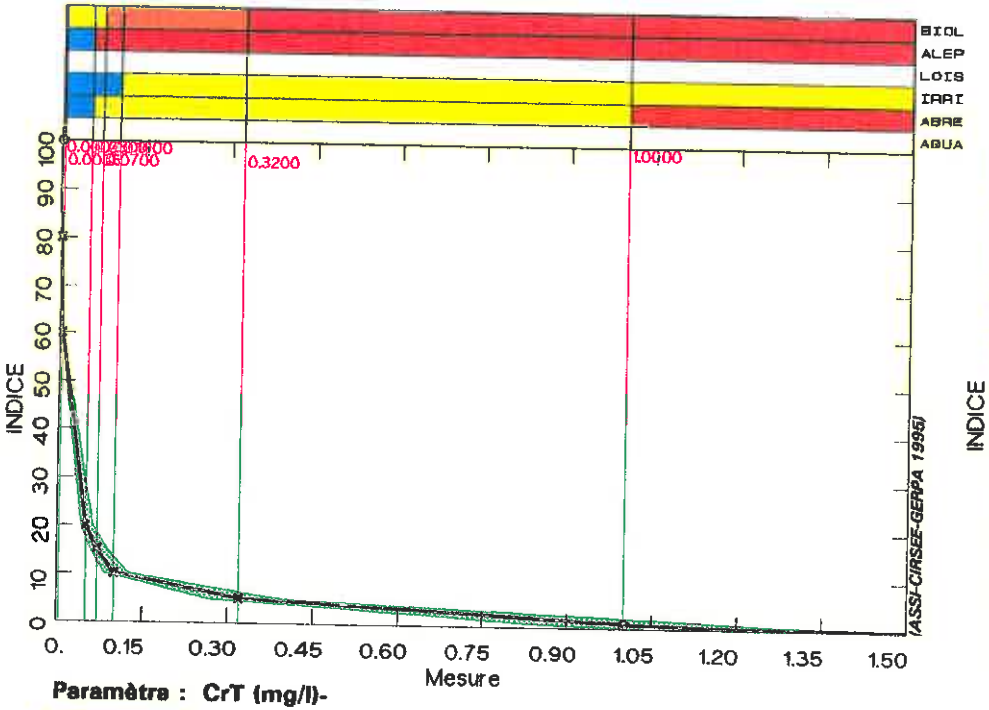


Paramètre : Cd (mg/l)-

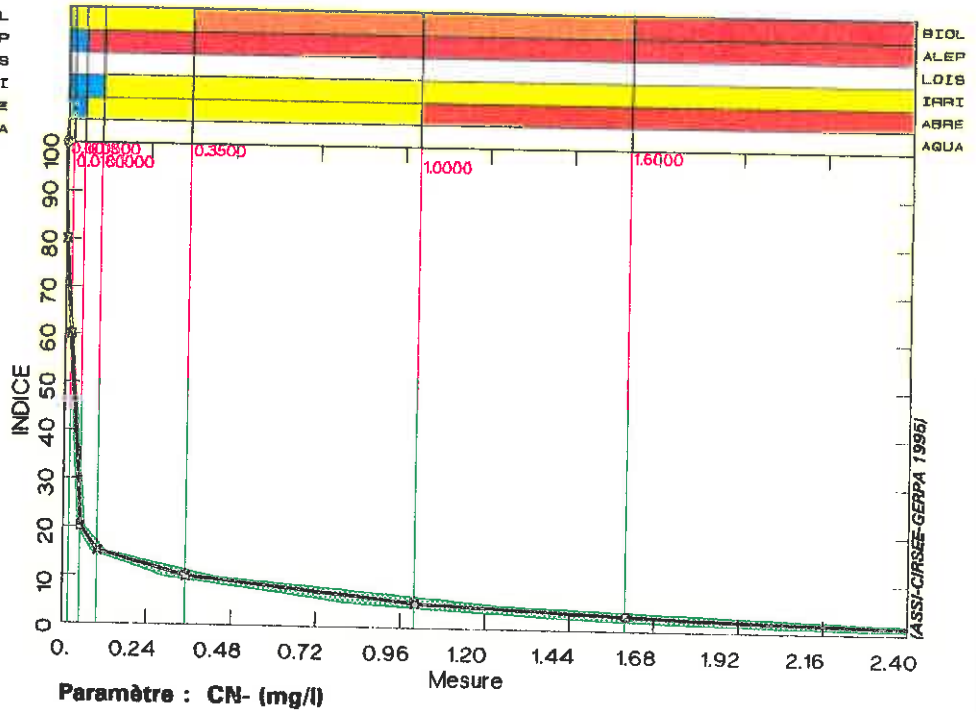


Altération : MICRO-POLLUANTS MINERAUX SUR EAU BRUTE

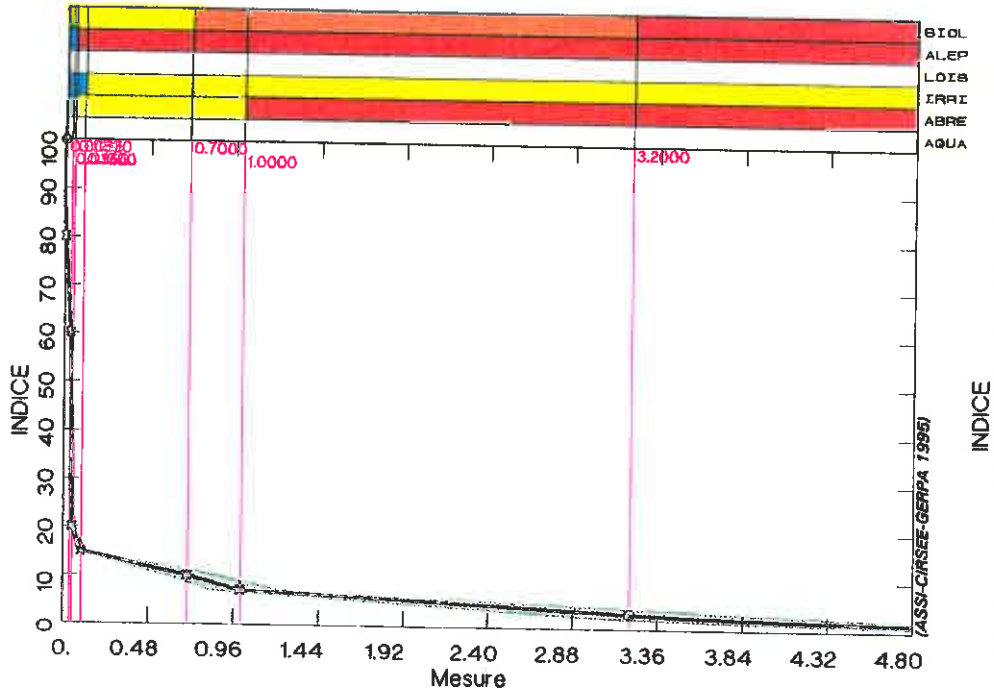
Paramètre : CrT (mg/l)+



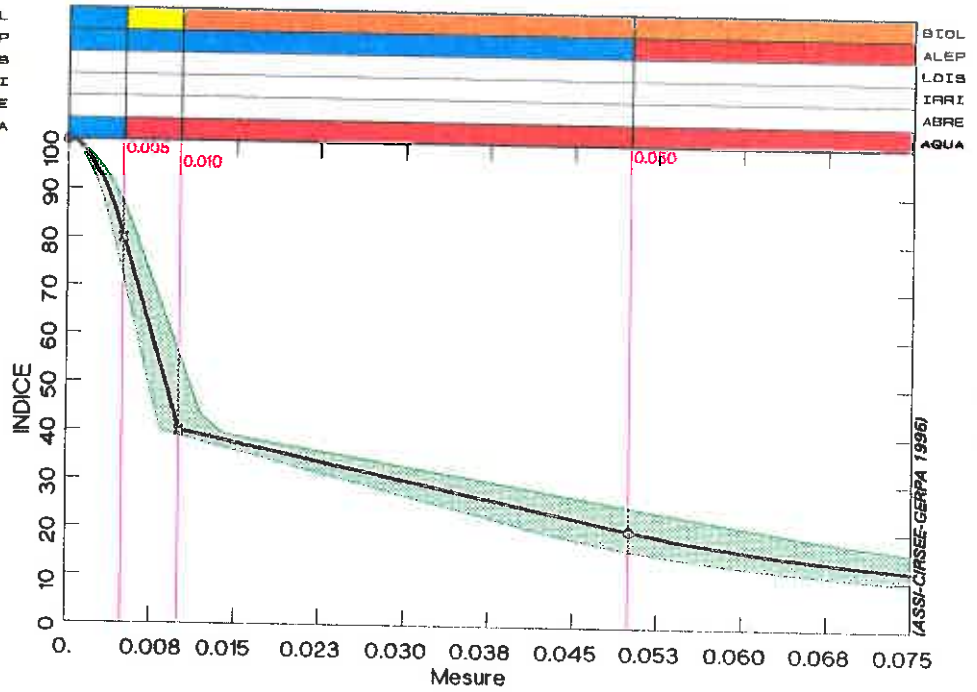
Paramètre : CrT (mg/l)x



Paramètre : CrT (mg/l)-

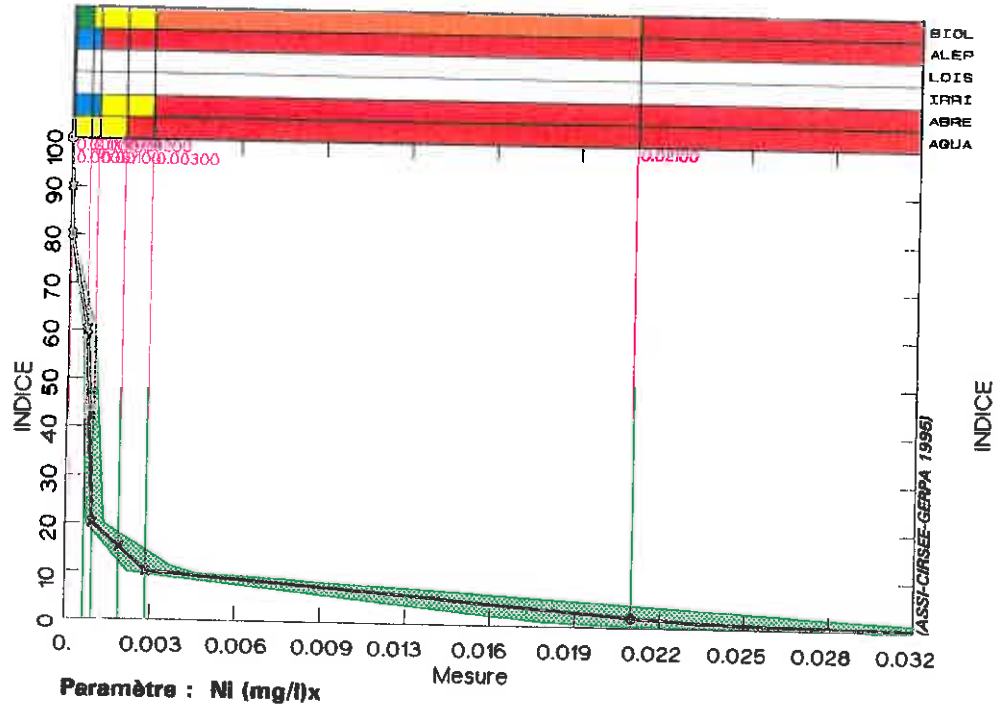


Paramètre : CN- (mg/l)

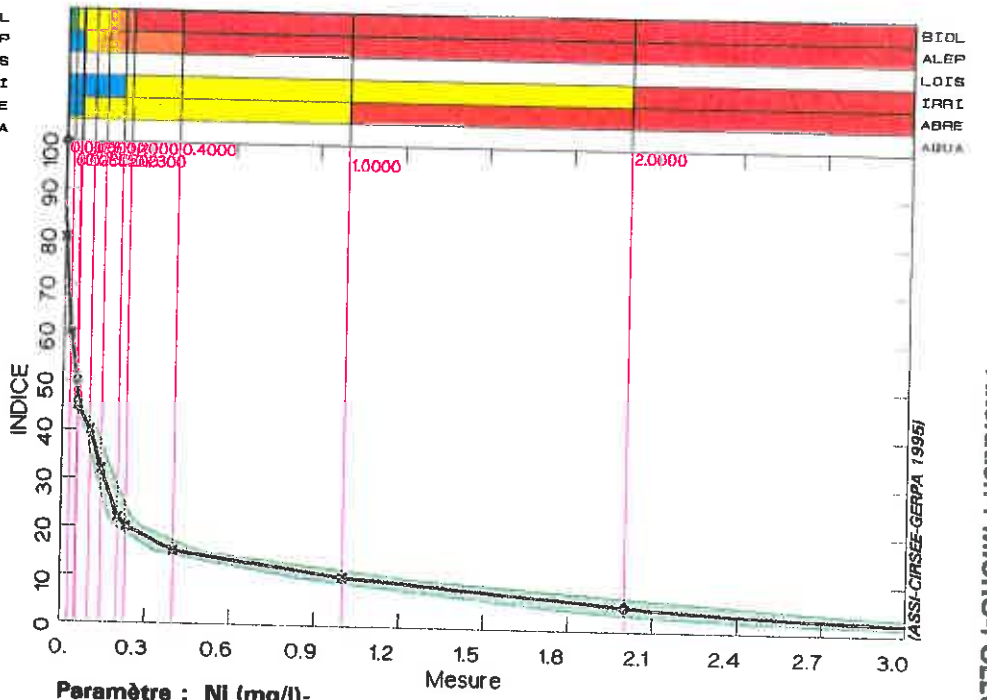


Altération : MICRO-POLLUANTS MINERAUX SUR EAU BRUTE

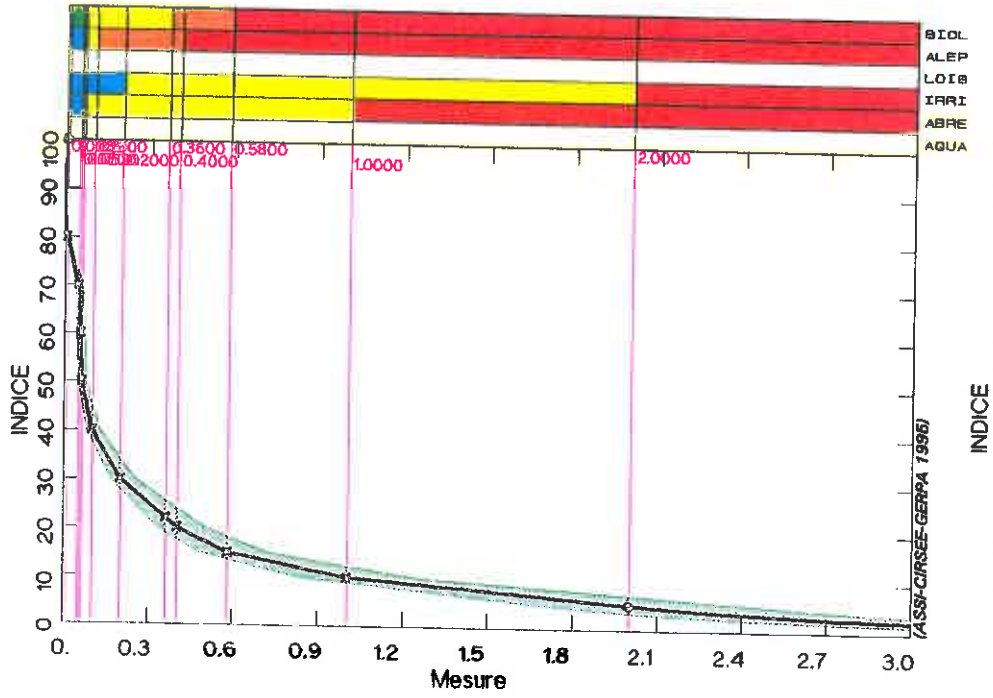
Paramètre : Hg (mg/l)



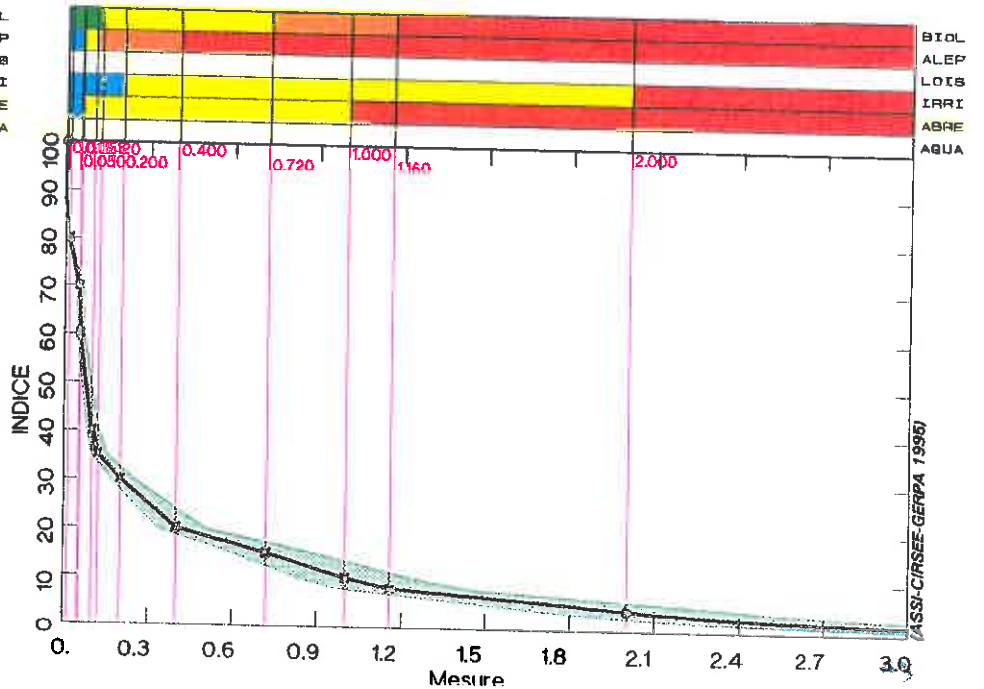
Paramètre : Ni (mg/l)+



Paramètre : Ni (mg/l)x

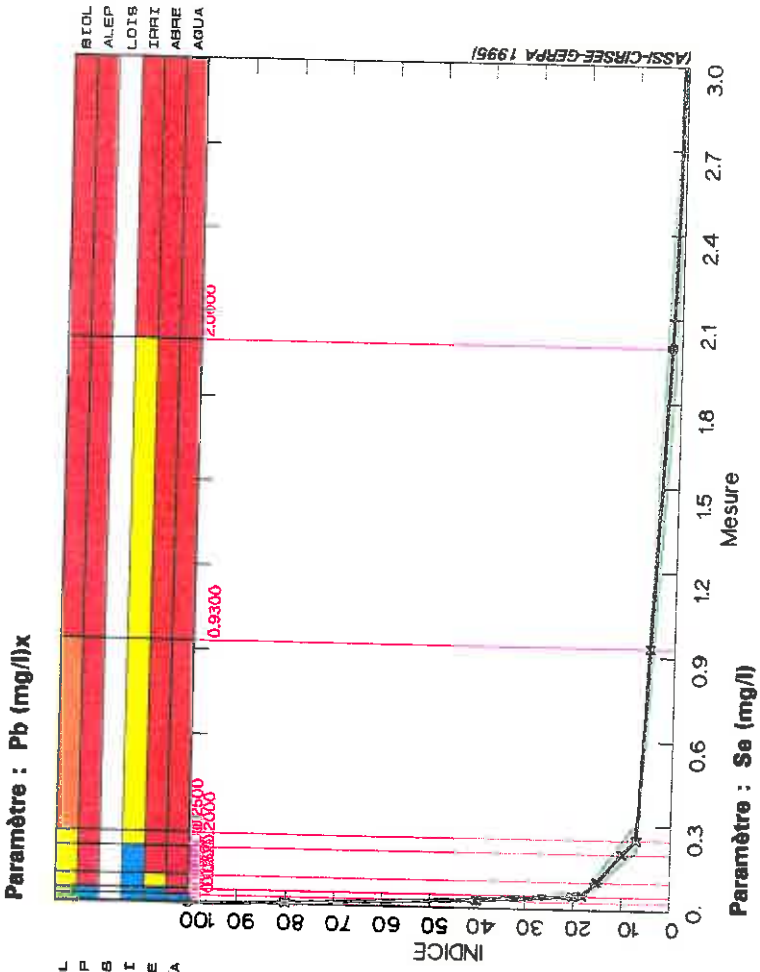


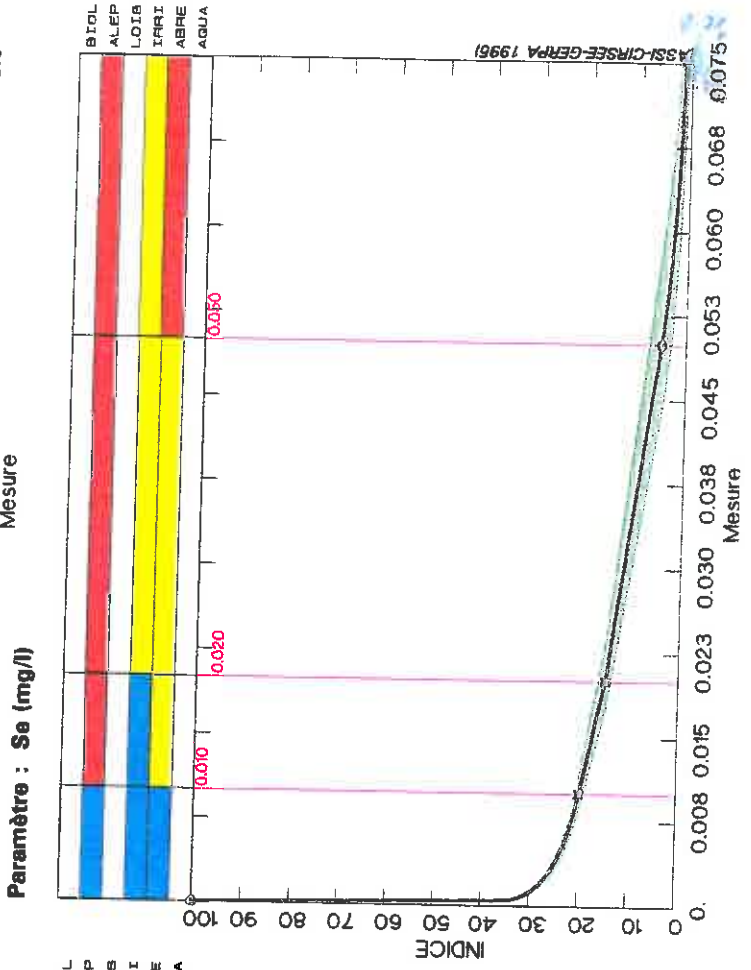
Paramètre : Ni (mg/l)-

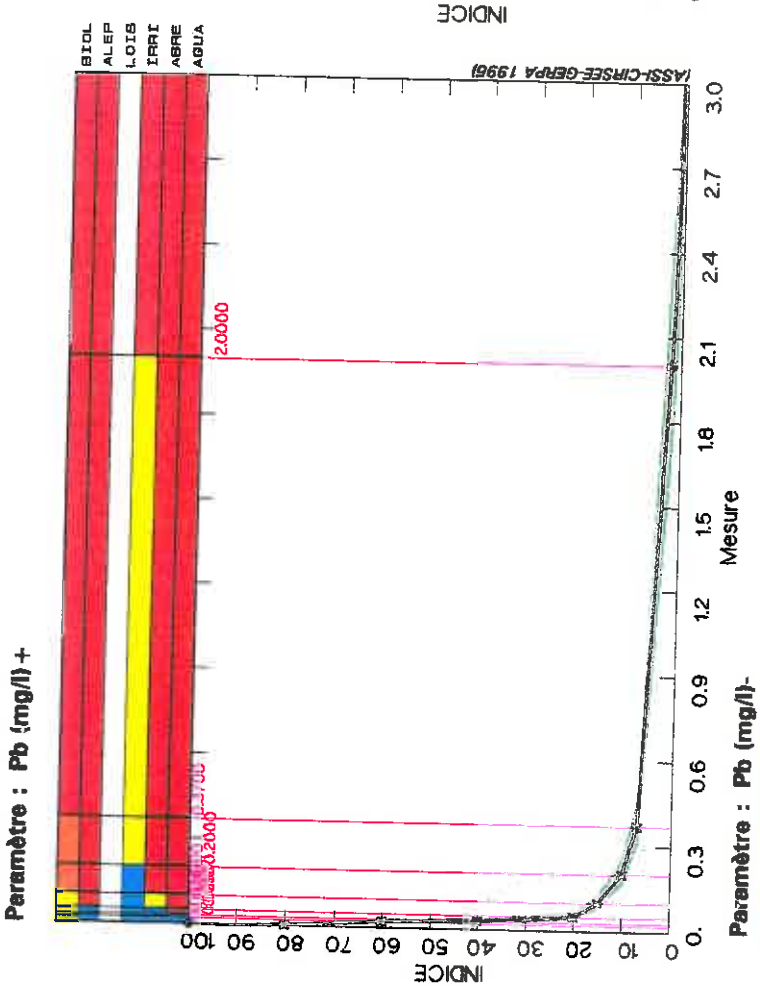


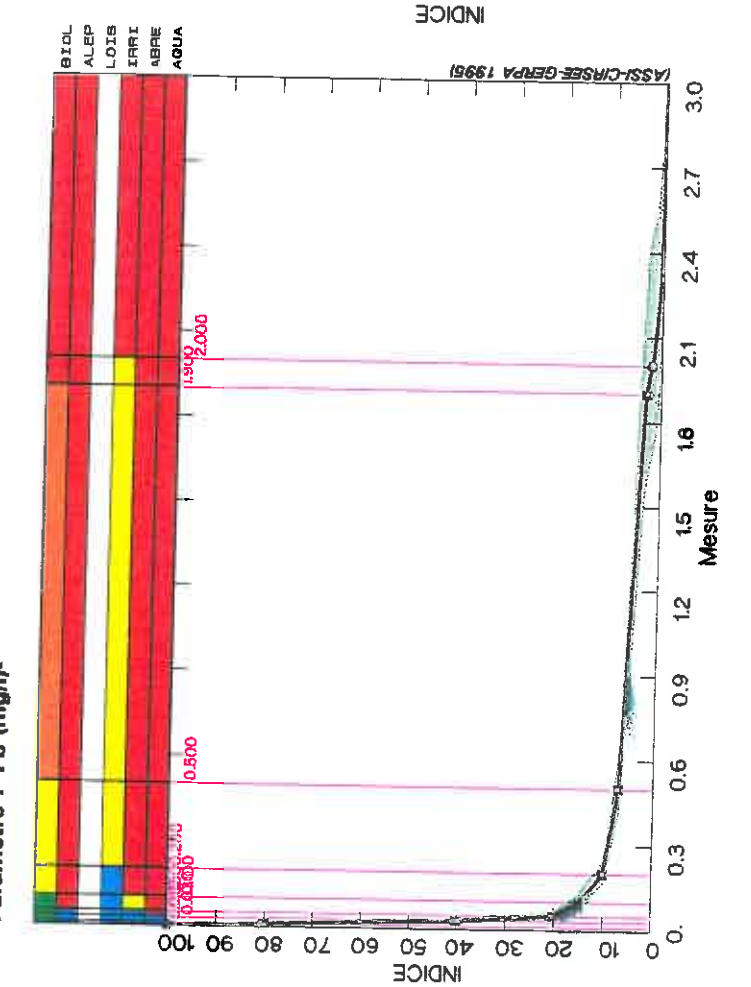
Altération : MICRO-POLLUANTS MINERAUX SUR EAU BRUTE

Altération : MICRO-POLLUANTS MINERAUX SUR EAU BRUTE

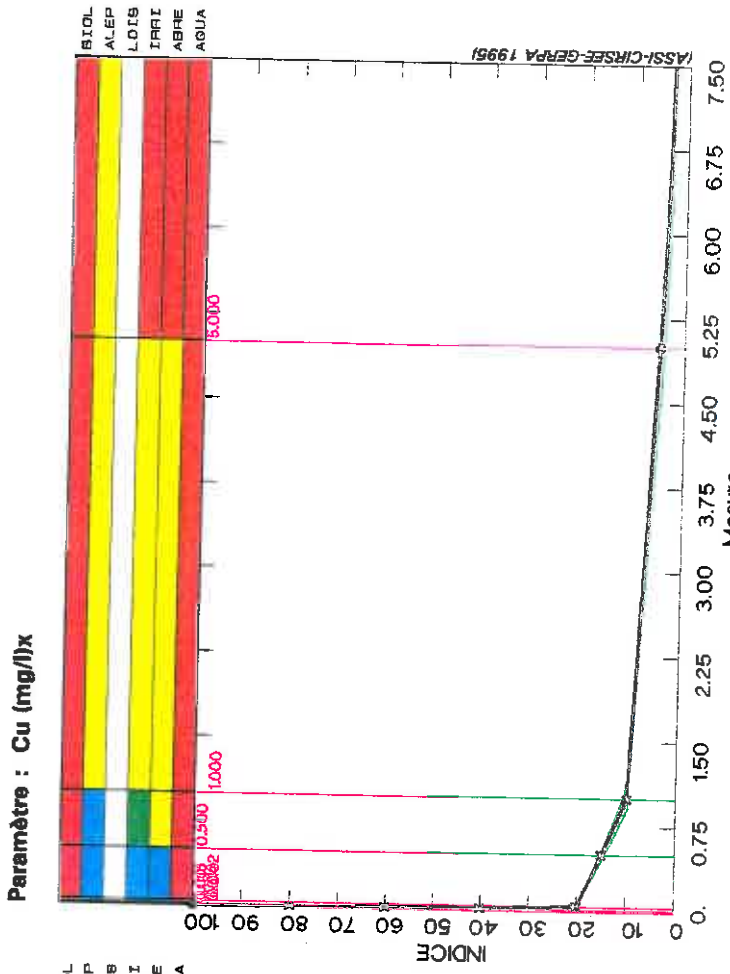


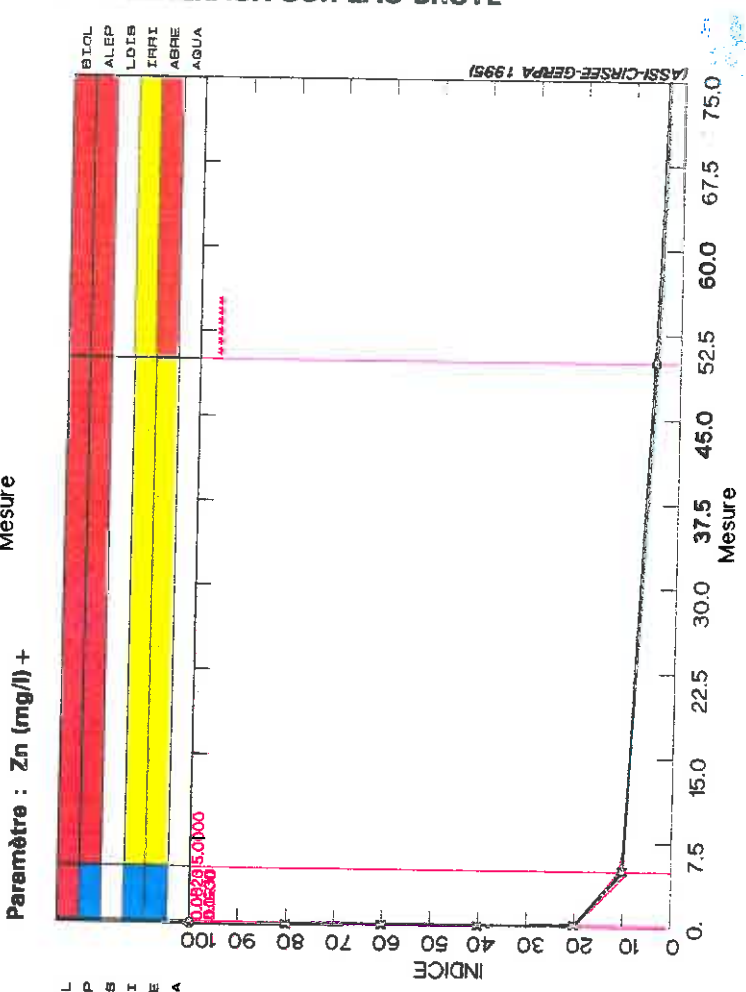


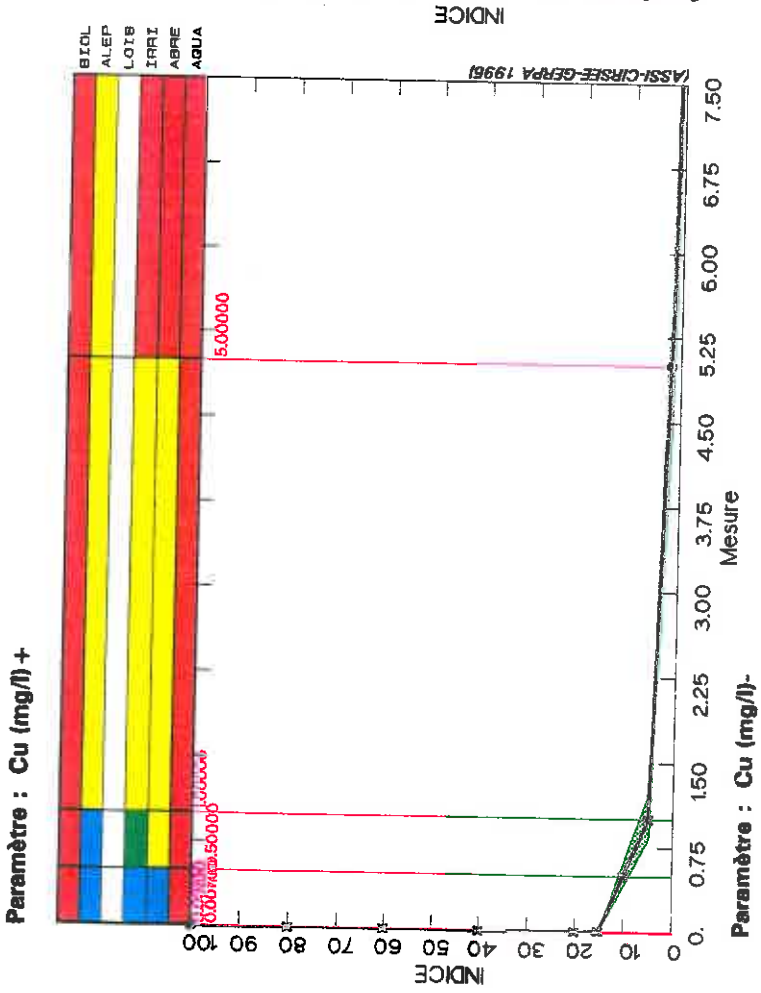


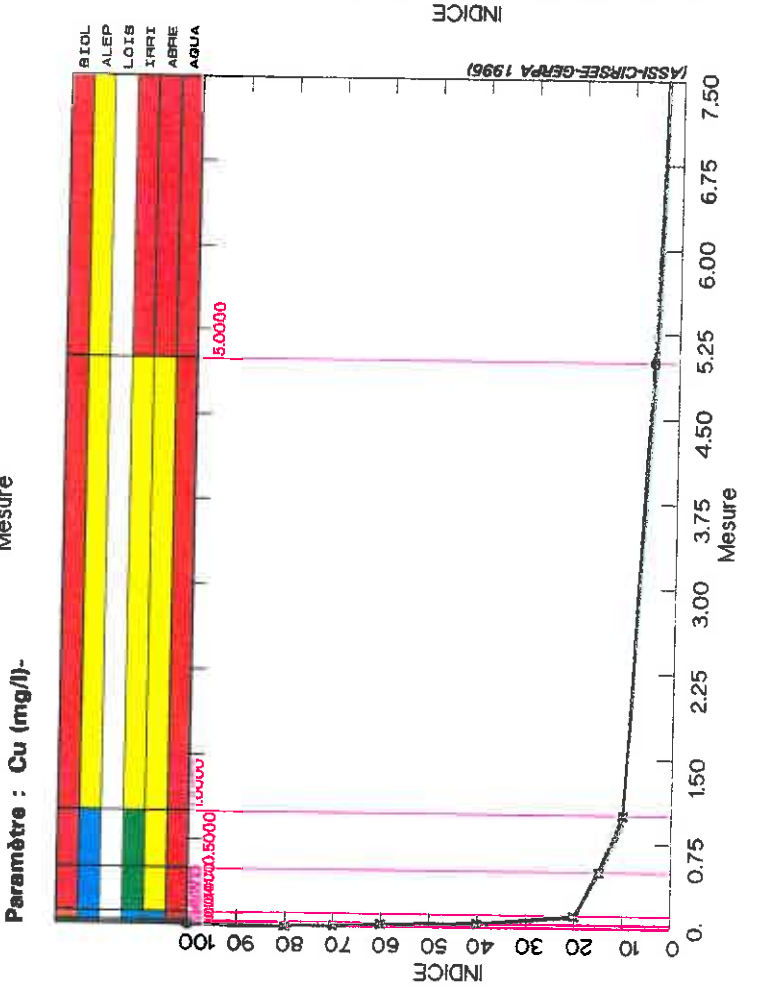


Altération : MICRO-POLLUANTS MINERAUX SUR EAU BRUTE

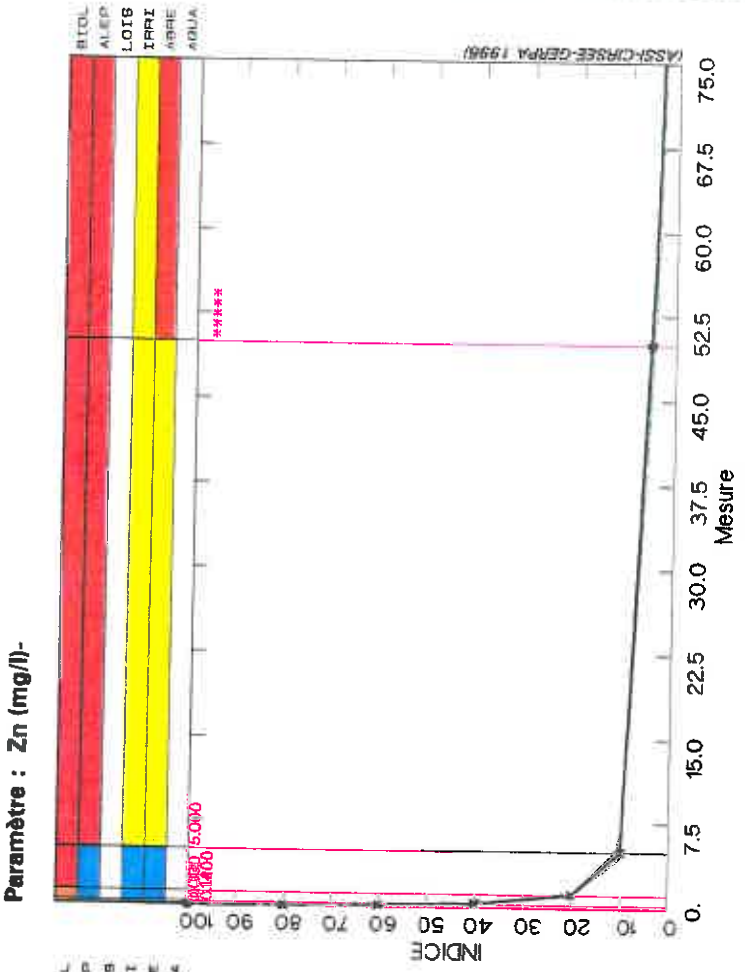


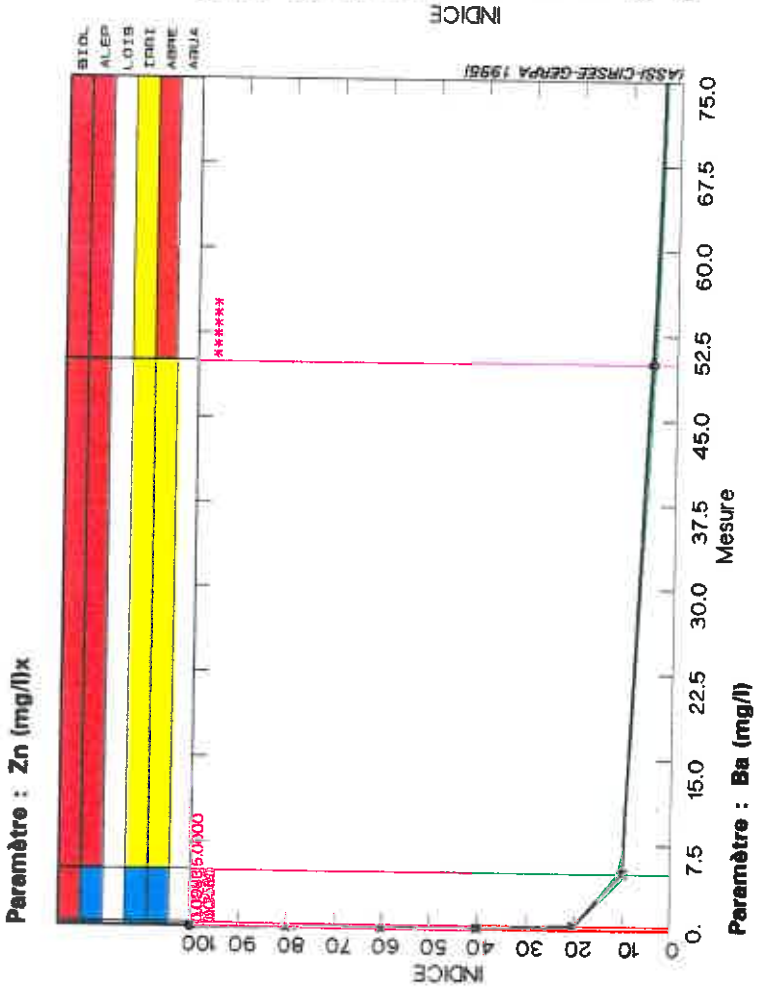


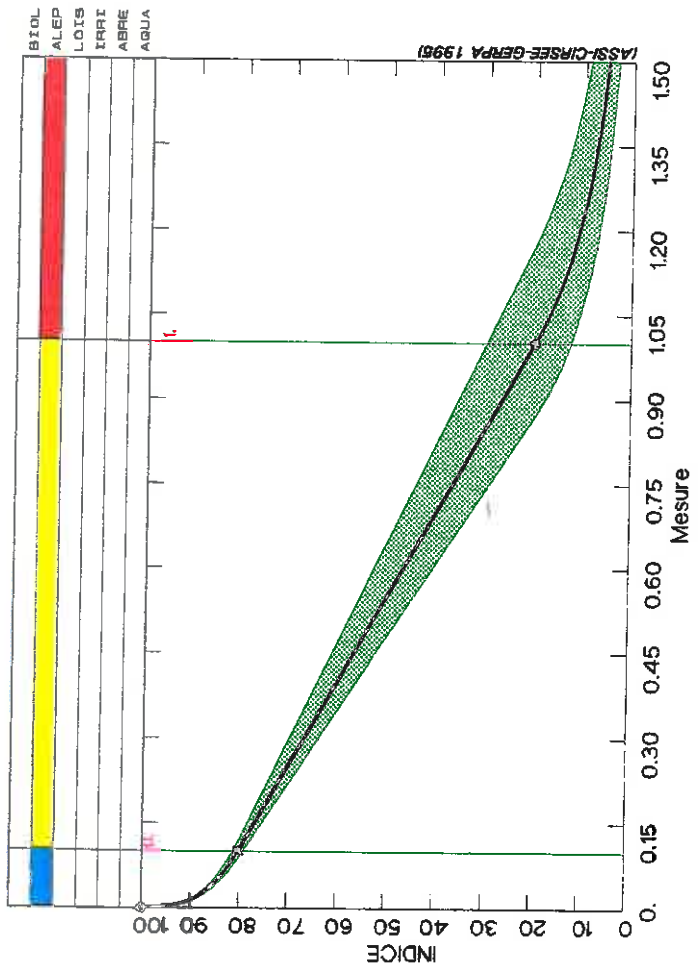




Altération : MICRO-POLLUANTS MINERAUX SUR EAU BRUTE







MICRO-POLLUANTS MINERAUX SUR EAU BRUTE

0103	9	0	5	3	1	110	20.0	0.	As (mg/l)					
6						0.000	100.	1.	1	1	0	1	1	0
1						0.010	80.	0.	2	1	0	1	1	0
1						0.050	60.	0.	2	3	0	1	3	0
1						0.075	40.	0.	2	4	0	1	3	0
1						0.100	20.	0.	3	5	0	3	3	0
1						0.270	15.	0.	4	5	0	3	3	0
1						0.500	10.	0.	4	5	0	3	5	0
1						1.800	5.	0.	5	5	0	3	5	0
3						2.000	4.	1.	5	5	0	5	5	0
+106	8	0	7	5	1	210	30.0	0.	Cd (mg/l)+					
6						0.000	100.	1.	1	1	0	1	1	0
1						0.00001	80	0.	2	1	0	1	1	0
1						0.0001	60	0.	3	1	0	1	1	0
1						0.00037	40	0.	4	1	0	1	1	0
1						0.0025	20	0.	5	1	0	1	1	0
1						0.0050	15.	0.	5	5	0	1	3	0
1						0.010	10.	0.	5	5	0	3	3	0
3						0.020	5.	1.	5	5	0	3	5	0
x106	8	0	7	5	1	210	30.0	0.	Cd (mg/l)x					
6						0.000	100.	1.	1	1	0	1	1	0
1						0.00004	80.	0.	2	1	0	1	1	0
1						0.00037	60.	0.	3	1	0	1	1	0
1						0.00130	40.	0.	4	1	0	1	1	0
1						0.005	20.	0.	4	5	0	1	3	0
1						0.0087	12.	0.	5	5	0	1	3	0
1						0.010	10.	0.	5	5	0	3	3	0
3						0.020	5.	1.	5	5	0	3	5	0
-106	7	0	7	5	1	210	30.0	0.	Cd (mg/l)-					
6						0.000	100.	1.	1	1	0	1	1	0
1						0.00009	80.	0.	2	1	0	1	1	0
1						0.00085	60.	0.	3	1	0	1	1	0
1						0.003	40.	0.	4	1	0	1	1	0
1						0.005	20.	0.	4	5	0	1	3	0
1						0.010	10.	0.	4	5	0	3	3	0
3						0.020	5.	1.	5	5	0	3	5	0
+108	8	0	6	4	1	310	20.0	0.	CrT (mg/l)+					
6						0.000	100.	1.	0	1	0	1	1	0
1						0.0004	80.	0.	2	1	0	1	1	0
1						0.0036	60.	0.	3	1	0	1	1	0
1						0.050	20.	0.	3	5	0	1	3	0
1						0.070	15	0.	4	5	0	1	3	0
1						0.100	10.	0.	4	5	0	3	3	0
1						0.320	5.	0.	5	5	0	3	3	0
3						1.000	1.	1.	5	5	0	3	5	0
x108	8	0	6	4	1	310	20.0	0.	CrT (mg/l)x					
6						0.000	100.	1.	1	1	0	1	1	0
1						0.0018	80.	0.	2	1	0	1	1	0
1						0.018	60.	0.	3	1	0	1	1	0
1						0.050	20.	0.	3	5	0	1	3	0
1						0.100	15.	0.	3	5	0	3	3	0
1						0.350	10.	0.	4	5	0	3	3	0
1						1.000	5.	0.	4	5	0	3	5	0
3						1.600	3.	1.	5	5	0	3	5	0
-108	8	0	6	4	1	310	20.0	0.	CrT (mg/l)-					
6						0.000	100.	1.	1	1	0	1	1	0
1						0.0036	80.	0.	2	1	0	1	1	0
1						0.036	60.	0.	3	1	0	1	1	0
1						0.050	20.	0.	3	5	0	1	3	0
1						0.100	15.	0.	3	5	0	3	3	0
1						0.700	10.	0.	4	5	0	3	3	0
1						1.000	7.	0.	4	5	0	3	5	0
3						3.200	3.	1.	5	5	0	3	5	0
0109	4	0	5	3	1	400	20.0	0.	CN- (mg/l)					
6						0.000	100.	1.	1	1	0	0	0	1
1						0.005	80.	0.	3	1	0	0	0	5
1						0.010	40.	0.	4	1	0	0	0	5

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   3      0.050          20.          1. 4 5 0 0 0 5
 0113 8 0 7 5 1   510          30.0          0.  Hg (mg/l)
   6    0.00000         100.          1. 1 1 0 0 1 1
   1    0.00005          90.          0. 1 1 0 0 1 3
   1    0.00007          80.          0. 2 1 0 0 1 3
   1    0.00070          60.          0. 3 1 0 0 1 3
   1    0.00100          20.          0. 3 5 0 0 3 3
   1    0.00200          15.          0. 3 5 0 0 3 5
   1    0.00300          10.          0. 4 5 0 0 5 5
   3    0.02100           2.          1. 5 5 0 0 5 5
+11712 0 6 4 1   600          20.0          0.  Ni (mg/l)+
   6      0.000         100.          1. 1 1 0 1 1 0
   1     0.0025          80.          0. 2 1 0 1 1 0
   1      0.025          60.          0. 3 1 0 1 1 0
   1      0.050          50.          0. 3 2 0 1 3 0
   1      0.055          45.          0. 3 3 0 1 3 0
   1      0.100          40.          0. 3 4 0 1 3 0
   1      0.140          32.          0. 4 4 0 1 3 0
   1      0.200          22.          0. 4 4 0 3 3 0
   1      0.230          20.          0. 5 4 0 3 3 0
   1      0.400          15.          0. 5 5 0 3 3 0
   1      1.000          10.          0. 5 5 0 3 5 0
   3      2.000           5.          1. 5 5 0 5 5 0
x11712 0 6 4 1   600          20.0          0.  Ni (mg/l)x
   6      0.000         100.          1. 1 1 0 1 1 0
   1     0.0062          80.          0. 2 1 0 1 1 0
   1      0.050          70.          0. 2 2 0 1 3 0
   1      0.055          60.          0. 2 3 0 1 3 0
   1      0.062          50.          0. 3 3 0 1 3 0
   1      0.100          40           0. 3 4 0 1 3 0
   1      0.200          30.          0. 3 4 0 3 3 0
   1      0.360          22.          0. 4 4 0 3 3 0
   1      0.400          20.          0. 4 5 0 3 3 0
   1      0.580          15.          0. 5 5 0 3 3 0
   1      1.000          10.          0. 5 5 0 3 5 0
   3      2.000           5.          1. 5 5 0 5 5 0
-11712 0 5 3 1   600          20.0          0.  Ni (mg/l)-
   6      0.000         100.          1. 1 1 0 1 1 0
   1      0.012          80.          0. 2 1 0 1 1 0
   1      0.050          70.          0. 2 2 0 1 3 0
   1      0.055          60.          0. 2 3 0 1 3 0
   1      0.100          40.          0. 2 4 0 1 3 0
   1      0.120          35.          0. 3 4 0 1 3 0
   1      0.200          30.          0. 3 4 0 3 3 0
   1      0.400          20.          0. 3 5 0 3 3 0
   1      0.720          15.          0. 4 5 0 3 3 0
   1      1.000          10.          0. 4 5 0 3 5 0
   1      1.160           8.          0. 5 5 0 3 5 0
   3      2.000           4.          1. 5 5 0 5 5 0
·118 9 0 6 4 1   710          20.0          0.  Pb (mg/l)+
   6      0.000         100.          1. 1 1 0 1 1 1
   1     0.0021          80.          0. 2 1 0 1 1 1
   1      0.021          60.          0. 3 1 0 1 1 1
   1      0.030          40.          0. 3 1 0 1 1 5
   1      0.050          20.          0. 3 5 0 1 3 5
   1      0.100          15.          0. 4 5 0 1 5 5
   1      0.200          10.          0. 4 5 0 3 5 5
   1      0.370           7.          0. 5 5 0 3 5 5
   3      2.000           2.          1. 5 5 0 5 5 5
11810 0 6 4 1   710          20.0          0.  Pb (mg/l)x
   6      0.000         100.          1. 1 1 0 1 1 1
   1     0.0052          80.          0. 2 1 0 1 1 1
   1      0.030          40.          0. 2 1 0 1 1 5
   1      0.050          20.          0. 2 5 0 1 3 5
   1      0.052          18.          0. 3 5 0 1 3 5
   1      0.100          15.          0. 3 5 0 1 5 5
   1      0.200          10.          0. 3 5 0 3 5 5
   1      0.250           7.          0. 4 5 0 3 5 5
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   1      0.930          5.          0. 5 5 0 3 5 5
   3      2.000          2.          1. 5 5 0 5 5 5
-118 9 0 5 3 1    710          20.0          0.  Pb (mg/l)-
   6      0.000        100.          1. 1 1 0 1 1 1
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   1      0.010        80.          0. 2 1 0 1 1 1
   1      0.030        40.          0. 2 1 0 1 1 5
   1      0.050        20.          0. 2 5 0 1 3 5
   1      0.100        15.          0. 3 5 0 1 5 5
   1      0.200        10.          0. 3 5 0 3 5 5
   1      0.500         7.          0. 4 5 0 3 5 5
   1      1.900         3.          0. 5 5 0 3 5 5
   3      2.000         2.          1. 5 5 0 5 5 5
0119 4 0 5 3 1   800       15.0          0.  Se (mg/l)
   6      0.000       100.          1. 0 1 0 1 1 0
   1      0.010        20.          0. 0 5 0 1 3 0
   1      0.020        15.          0. 0 5 0 3 3 0
   3      0.050         5.          1. 0 5 0 3 5 0
+110 9 0 7 5 1   900       20.0          0.  Cu (mg/l)+
   6       0.00       100.          1. 1 1 0 1 1 1
   1    0.00017        80.          0. 2 1 0 1 1 1
   1     0.0017        60.          0. 3 1 0 1 1 1
   1     0.0025        40.          0. 4 1 0 1 1 1
   1     0.0070        20.          0. 5 1 0 1 1 1
   1       0.01        15.          0. 5 1 0 1 1 5
   1       0.50        10.          0. 5 1 0 2 3 5
   1       1.00         5.          0. 5 3 0 3 3 5
   3       5.00         2.          1. 5 3 0 5 5 5
x110 8 0 5 3 1   900       10.0          0.  Cu (mg/l)x
   6       0.00       100.          1. 1 1 0 1 1 1
   1      0.001        80.          0. 2 1 0 1 1 1
   1       0.01        60.          0. 3 1 0 1 1 5
   1      0.015        40.          0. 4 1 0 1 1 5
   1      0.042        20.          0. 5 1 0 1 1 5
   1       0.50        15.          0. 5 1 0 2 3 5
   1       1.00        10.          0. 5 3 0 3 3 5
   3       5.00         5.          1. 5 3 0 5 5 5
-110 9 0 6 4 1   900       10.0          0.  Cu (mg/l)-
   6       0.00       100.          1. 1 1 0 1 1 1
   1     0.0027        80.          0. 2 1 0 1 1 1
   1       0.01        70.          0. 2 1 0 1 1 5
   1      0.027        60.          0. 3 1 0 1 1 5
   1      0.040        40.          0. 4 1 0 1 1 5
   1      0.110        20.          0. 5 1 0 2 3 5
   1       0.50        15.          0. 5 1 0 2 3 5
   1       1.00        10.          0. 5 3 0 3 3 5
   3       5.00         5.          1. 5 3 0 5 5 5
122 7 0 6 4 1  1000       10.0          0.  Zn (mg/l)+
   6         0.       100.          1. 1 1 0 1 1 0
   1     0.0023        80.          1. 2 1 0 1 1 0
   1      0.023        60.          1. 3 1 0 1 1 0
   1      0.052        40.          1. 4 1 0 1 1 0
   1      0.190        20.          1. 5 1 0 1 1 0
   1         5.        10.          0. 5 5 0 3 3 0
   3        50.         5.          1. 5 5 0 3 5 0
122 7 0 6 4 1  1000       10.0          0.  Zn (mg/l)x
   6         0.       100.          1. 1 1 0 1 1 0
   1     0.0043        80.          1. 2 1 0 1 1 0
   1      0.043        60.          1. 3 1 0 1 1 0
   1      0.098        40.          1. 4 1 0 1 1 0
   1      0.350        20.          1. 5 1 0 1 1 0
   1         5.        10.          0. 5 5 0 3 3 0
   3        50.         5.          1. 5 5 0 3 5 0
122 7 0 5 3 1  1000       10.0          0.  Zn (mg/l)-
   6         0.       100.          1. 1 1 0 1 1 0
   1      0.014        80.          1. 2 1 0 1 1 0
   1      0.140        60.          1. 3 1 0 1 1 0
   1      0.330        40.          1. 4 1 0 1 1 0
   1      1.200        20.          1. 5 1 0 1 1 0
   1         5.        10.          0. 5 5 0 3 3 0
   3        50.         5.          1. 5 5 0 3 5 0
05 3 0 3 0 1  1100       15.0          0.  Ba (mg/l)
   6         0.       100.          1. 0 1 0 0 0 0
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1       0.1         80.         0. 0 3 0 0 0 0
3       1.0         20.         1. 0 5 0 0 0 0
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MICRO-POLLUANTS MINERAUX SUR EAU BRUTE

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0103   9   0   5   3   1   11   20.0000     0.0000   As (mg/l)
   6      0.000  63.246      0.25000      1 1 0 1 1 0
   1      0.010 -500.00       85.000      2 1 0 1 1 0
   1      0.050 -800.00       100.00      2 3 0 1 3 0
   1      0.075 -800.00       100.00      2 4 0 1 3 0
   1      0.100 -29.412       22.941      3 5 0 3 3 0
   1      0.270 -21.739       20.870      4 5 0 3 3 0
   1      0.500 -3.8462       11.923      4 5 0 3 5 0
   1      1.800 -5.0000       14.000      5 5 0 3 5 0
   3      2.000  22.627      -2.5000      5 5 0 5 5 0
+106   8   0   7   5   1   21   30.0000     0.0000   Cd (mg/l)+
   6   0.00000  71.876      0.11111      1 1 0 1 1 0
   1   0.00001-0.22222E+06  82.222      2 1 0 1 1 0
   1   0.00010 -74074.       67.407      3 1 0 1 1 0
   1   0.00037 -9389.7       43.474      4 1 0 1 1 0
   1   0.00250 -2000.0       25.000      5 1 0 1 1 0
   1   0.00500 -1000.0       20.000      5 5 0 1 3 0
   1   0.01000 -500.00       15.000      5 5 0 3 3 0
   3   0.02000 0.20000E-02 -2.0000      5 5 0 3 5 0
x106   8   0   7   5   1   21   30.0000     0.0000   Cd (mg/l)x
   6   0.00000  68.252      0.12121      1 1 0 1 1 0
   1   0.00004 -60606.       82.424      2 1 0 1 1 0
   1   0.00037 -21505.       67.957      3 1 0 1 1 0
   1   0.00130 -5405.4       47.027      4 1 0 1 1 0
   1   0.00500 -2162.2       30.811      4 5 0 1 3 0
   1   0.00870 -1538.5       25.385      5 5 0 1 3 0
   1   0.01000 -500.00       15.000      5 5 0 3 3 0
   3   0.02000 0.20000E-02 -2.0000      5 5 0 3 5 0
-106   7   0   7   5   1   21   30.0000     0.0000   Cd (mg/l)-
   6   0.00000  60.274      0.11842      1 1 0 1 1 0
   1   0.00009 -26316.       82.368      2 1 0 1 1 0
   1   0.00085 -9302.3       67.907      3 1 0 1 1 0
   1   0.00300 -10000.       70.000      4 1 0 1 1 0
   1   0.00500 -2000.0       30.000      4 5 0 1 3 0
   1   0.01000 -500.00       15.000      4 5 0 3 3 0
   3   0.02000 0.20000E-02 -2.0000      5 5 0 3 5 0
108   8   0   6   4   1   31   20.0000     0.0000   CrT (mg/l)+
   6    0.0000  53.183      0.12500      0 1 0 1 1 0
   1    0.0004 -6250.0       82.500      2 1 0 1 1 0
   1    0.0036 -862.07       63.103      3 1 0 1 1 0
   1    0.0500 -250.00       32.500      3 5 0 1 3 0
   1    0.0700 -166.67       26.667      4 5 0 1 3 0
   1    0.1000 -22.727       12.273      4 5 0 3 3 0
   1    0.3200 -5.8824       6.8824      5 5 0 3 3 0
   3    1.0000  1.0000      -5.8824      5 5 0 3 5 0
108   8   0   6   4   1   31   20.0000     0.0000   CrT (mg/l)x
   6    0.0000  40.365      0.11111      1 1 0 1 1 0
   1    0.0018 -1234.6       82.222      2 1 0 1 1 0
   1    0.0180 -1250.0       82.500      3 1 0 1 1 0
   1    0.0500 -100.00       25.000      3 5 0 1 3 0
   1    0.1000 -20.000       17.000      3 5 0 3 3 0
   1    0.3500 -7.6923       12.692      4 5 0 3 3 0
   1    1.0000 -3.3333       8.3333      4 5 0 3 5 0
   3    1.6000  6.9183      -1.7778      5 5 0 3 5 0
108   8   0   6   4   1   31   20.0000     0.0000   CrT (mg/l)-
   6    0.0000  37.372      0.11111      1 1 0 1 1 0
   1    0.0036 -617.28       82.222      2 1 0 1 1 0
   1    0.0360 -2857.1       162.86      3 1 0 1 1 0
   1    0.0500 -100.00       25.000      3 5 0 1 3 0
   1    0.1000 -8.3333       15.833      3 5 0 3 3 0
   1    0.7000 -10.000       17.000      4 5 0 3 3 0
   1    1.0000 -1.8182       8.8182      4 5 0 3 5 0
   3    3.2000  28.629      -1.9394      5 5 0 3 5 0
109   4   0   5   3   1   40   20.0000     0.0000   CN- (mg/l)
   6     0.000 0.80000E+06  2.0000      1 1 0 0 0 1
   1     0.005 -8000.0       120.00      3 1 0 0 0 5
   1     0.010 -500.00       45.000      4 1 0 0 0 5
```

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   3     0.050 0.47287     -1.2500     4 5 0 0 0 5
0113   8   0   7   5   1   51   30.0000     0.0000   Hg (mg/l)
   6   0.00000 0.56568E+12  2.5000     1 1 0 0 1 1
   1   0.00005-0.50000E+06  115.00     1 1 0 0 1 3
   1   0.00007 -31746.      82.222     2 1 0 0 1 3
   1   0.00070-0.13333E+06  153.33     3 1 0 0 1 3
   1   0.00100 -5000.0      25.000     3 5 0 0 3 3
   1   0.00200 -5000.0      25.000     3 5 0 0 3 5
   1   0.00300 -444.44      11.333     4 5 0 0 5 5
   3   0.02100 0.29606E-07 -4.6667     5 5 0 0 5 5
+117  12   0   6   4   1   60   20.0000     0.0000   Ni (mg/l)+
   6    0.0000  38.918     0.11111     1 1 0 1 1 0
   1    0.0025 -888.89      82.222     2 1 0 1 1 0
   1    0.0250 -400.00      70.000     3 1 0 1 1 0
   1    0.0500 -1000.0      100.00     3 2 0 1 3 0
   1    0.0550 -111.11      51.111     3 3 0 1 3 0
   1    0.1000 -200.00      60.000     3 4 0 1 3 0
   1    0.1400 -166.67      55.333     4 4 0 1 3 0
   1    0.2000 -66.667      35.333     4 4 0 3 3 0
   1    0.2300 -29.412      26.765     5 4 0 3 3 0
   1    0.4000 -8.3333      18.333     5 5 0 3 3 0
   1    1.0000 -5.0000      15.000     5 5 0 3 5 0
   3    2.0000  20.000     -2.0000     5 5 0 5 5 0
x117  12   0   6   4   1   60   20.0000     0.0000   Ni (mg/l)x
   6    0.0000  28.660     0.70776E-01 1 1 0 1 1 0
   1    0.0062 -228.31      81.416     2 1 0 1 1 0
   1    0.0500 -2000.0      170.00     2 2 0 1 3 0
   1    0.0550 -1428.6      138.57     2 3 0 1 3 0
   1    0.0620 -263.16      66.316     3 3 0 1 3 0
   1    0.1000 -100.00      50.000     3 4 0 1 3 0
   1    0.2000 -50.000      40.000     3 4 0 3 3 0
   1    0.3600 -50.000      40.000     4 4 0 3 3 0
   1    0.4000 -27.778      31.111     4 5 0 3 3 0
   1    0.5800 -11.905      21.905     5 5 0 3 3 0
   1    1.0000 -5.0000      15.000     5 5 0 3 5 0
   3    2.0000  20.000     -2.0000     5 5 0 5 5 0
-117  12   0   5   3   1   60   20.0000     0.0000   Ni (mg/l)-
   6     0.000  40.208     0.15789     1 1 0 1 1 0
   1     0.012 -263.16      83.158     2 1 0 1 1 0
   1     0.050 -2000.0      170.00     2 2 0 1 3 0
   1     0.055 -444.44      84.444     2 3 0 1 3 0
   1     0.100 -250.00      65.000     2 4 0 1 3 0
   1     0.120 -62.500      42.500     3 4 0 1 3 0
   1     0.200 -50.000      40.000     3 4 0 3 3 0
   1     0.400 -15.625      26.250     3 5 0 3 3 0
   1     0.720 -17.857      27.857     4 5 0 3 3 0
   1     1.000 -12.500      22.500     4 5 0 3 5 0
   1     1.160 -4.7619      13.524     5 5 0 3 5 0
   3     2.000  20.835     -2.3810     5 5 0 5 5 0
+118   9   0   6   4   1   71   20.0000     0.0000   Pb (mg/l)+
   6    0.0000  39.679     0.11111     1 1 0 1 1 1
   1    0.0021 -1058.2      82.222     2 1 0 1 1 1
   1    0.0210 -2222.2      106.67     3 1 0 1 1 1
   1    0.0300 -1000.0      70.000     3 1 0 1 1 5
   1    0.0500 -100.00      25.000     3 5 0 1 3 5
   1    0.1000 -50.000      20.000     4 5 0 1 5 5
   1    0.2000 -17.647      13.529     4 5 0 3 5 5
   1    0.3700 -3.0675      8.1350     5 5 0 3 5 5
   3    2.0000  16.766     -3.0675     5 5 0 5 5 5
x118  10   0   6   4   1   71   20.0000     0.0000   Pb (mg/l)x
   6    0.0000  181.48     0.41935     1 1 0 1 1 1
   1    0.0052 -1612.9      88.387     2 1 0 1 1 1
   1    0.0300 -1000.0      70.000     2 1 0 1 1 5
   1    0.0500 -1000.0      70.000     2 5 0 1 3 5
   1    0.0520 -62.500      21.250     3 5 0 1 3 5
   1    0.1000 -50.000      20.000     3 5 0 1 5 5
   1    0.2000 -60.000      22.000     3 5 0 3 5 5
   1    0.2500 -2.9412      7.7353     4 5 0 3 5 5
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  1    0.9300 -2.8037      7.6075     5 5 0 3 5 5
  3    2.0000  13.965     -2.8037     5 5 0 5 5 5
-118   9   0   5   3   1   71   20.0000    0.0000   Pb (mg/l)-
  6     0.000  2000.0      1.0000     1 1 0 1 1 1
```

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   1     0.010 -2000.0       100.00      2 1 0 1 1 1
   1     0.030 -1000.0       70.000      2 1 0 1 1 5
   1     0.050 -100.00       25.000      2 5 0 1 3 5
   1     0.100 -50.000       20.000      3 5 0 1 5 5
   1     0.200 -10.000       12.000      3 5 0 3 5 5
   1     0.500 -2.8571       8.4286      4 5 0 3 5 5
   1     1.900 -10.000       22.000      5 5 0 3 5 5
   3     2.000  2048.0      -10.000      5 5 0 5 5 5
0119   4   0   5   3   1   80   15.0000     0.0000   Se (mg/l)
   6     0.000  106.68      0.62500E-01 0 1 0 1 1 0
   1     0.010 -500.00       25.000      0 5 0 1 3 0
   1     0.020 -333.33       21.667      0 5 0 3 3 0
   3     0.050 0.23025E-03 -3.3333      0 5 0 3 5 0
+110   9   0   7   5   1   90   20.0000     0.0000   Cu (mg/l)+
   6   0.00000  52.465      0.11111     1 1 0 1 1 1
   1   0.00017 -13072.       82.222      2 1 0 1 1 1
   1   0.00170 -25000.       102.50      3 1 0 1 1 1
   1   0.00250 -4444.4       51.111      4 1 0 1 1 1
   1   0.00700 -1666.7       31.667      5 1 0 1 1 1
   1   0.01000 -10.204       15.102      5 1 0 1 1 5
   1   0.50000 -10.000       15.000      5 1 0 2 3 5
   1   1.00000-0.75000       5.7500      5 3 0 3 3 5
   3   5.00000  40.888      -1.8750      5 3 0 5 5 5
x110   8   0   5   3   1   90   10.0000     0.0000   Cu (mg/l)x
   6     0.000  43.089      0.11111     1 1 0 1 1 1
   1     0.001 -2222.2       82.222      2 1 0 1 1 1
   1     0.010 -4000.0       100.00      3 1 0 1 1 5
   1     0.015 -740.74       51.111      4 1 0 1 1 5
   1     0.042 -10.917       20.459      5 1 0 1 1 5
   1     0.500 -10.000       20.000      5 1 0 2 3 5
   1     1.000 -1.2500       11.250      5 3 0 3 3 5
   3     5.000  37.384      -1.2500      5 3 0 5 5 5
-110   9   0   6   4   1   90   10.0000     0.0000   Cu (mg/l)-
   6    0.0000  59.711      0.18493     1 1 0 1 1 1
   1    0.0027 -1369.9       83.699      2 1 0 1 1 1
   1    0.0100 -588.24       75.882      2 1 0 1 1 5
   1    0.0270 -1538.5       101.54      3 1 0 1 1 5
   1    0.0400 -285.71       51.429      4 1 0 1 1 5
   1    0.1100 -12.821       21.410      5 1 0 2 3 5
   1    0.5000 -10.000       20.000      5 1 0 2 3 5
   1    1.0000 -1.2500       11.250      5 3 0 3 3 5
   3    5.0000  37.384      -1.2500      5 3 0 5 5 5
+122   7   0   6   4   1  100   10.0000     0.0000   Zn (mg/l)+
   6    0.0000  39.280      0.11111     1 1 0 1 1 0
   1    0.0023 -966.18       82.222      2 1 0 1 1 0
   1    0.0230 -689.66       75.862      3 1 0 1 1 0
   1    0.0520 -144.93       47.536      4 1 0 1 1 0
   1    0.1900 -2.0790       20.395      5 1 0 1 1 0
   1    5.0000-0.11111       10.556      5 5 0 3 3 0
   3   50.0000  386.11      -1.1111      5 5 0 3 5 0
x122   7   0   6   4   1  100   10.0000     0.0000   Zn (mg/l)x
   6    0.0000  36.642      0.11111     1 1 0 1 1 0
   1    0.0043 -516.80       82.222      2 1 0 1 1 0
   1    0.0430 -363.64       75.636      3 1 0 1 1 0
   1    0.0980 -79.365       47.778      4 1 0 1 1 0
   1    0.3500 -2.1505       20.753      5 1 0 1 1 0
   1    5.0000-0.11111       10.556      5 5 0 3 3 0
   3   50.0000  386.11      -1.1111      5 5 0 3 5 0
-122   7   0   5   3   1  100   10.0000     0.0000   Zn (mg/l)-
   6     0.000  32.138      0.11111     1 1 0 1 1 0
   1     0.014 -158.73       82.222      2 1 0 1 1 0
   1     0.140 -105.26       74.737      3 1 0 1 1 0
   1     0.330 -22.989       47.586      4 1 0 1 1 0
   1     1.200 -2.6316       23.158      5 1 0 1 1 0
   1     5.000-0.11111       10.556      5 5 0 3 3 0
   3    50.000  386.11      -1.1111      5 5 0 3 5 0
0105   3   0   3   0   1  110   15.0000     0.0000   Ba (mg/l)
   6        0.  43.089      0.33333     0 1 0 0 0 0
```

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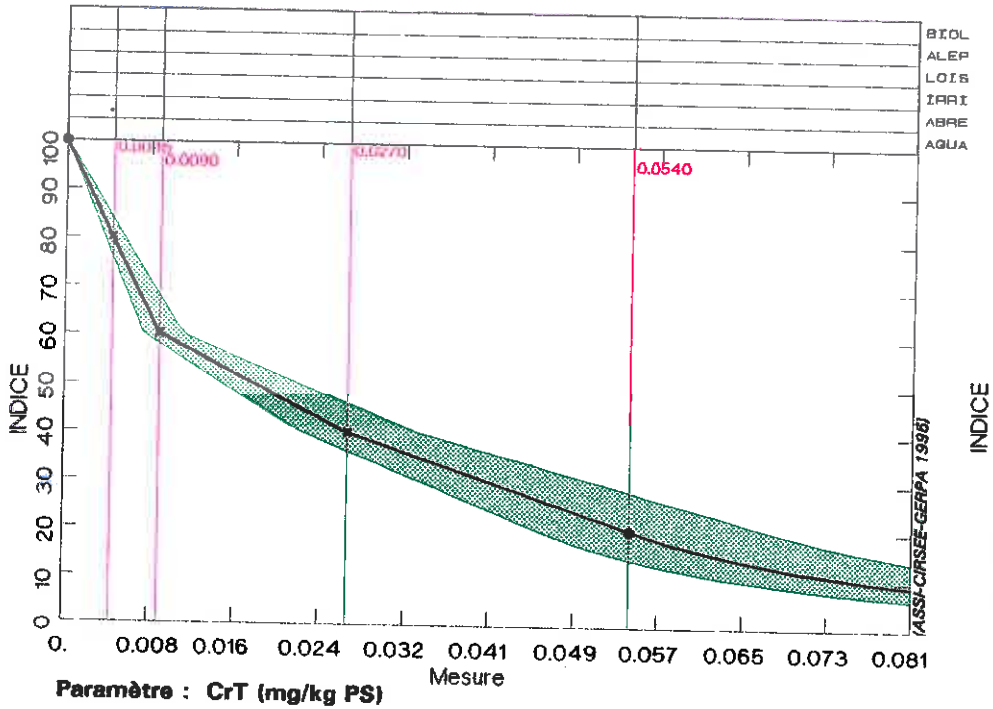
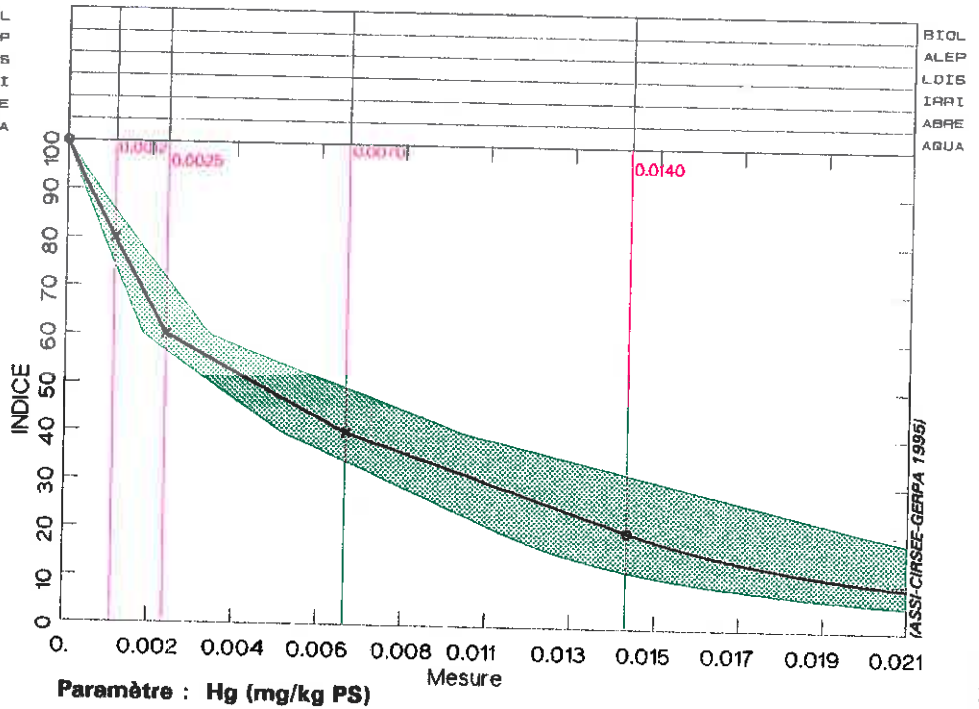
1         0. -66.667      86.667     0 3 0 0 0 0
3         1.  20.000     -3.3333     0 5 0 0 0 0
```

Altération Métaux sur bryophytes

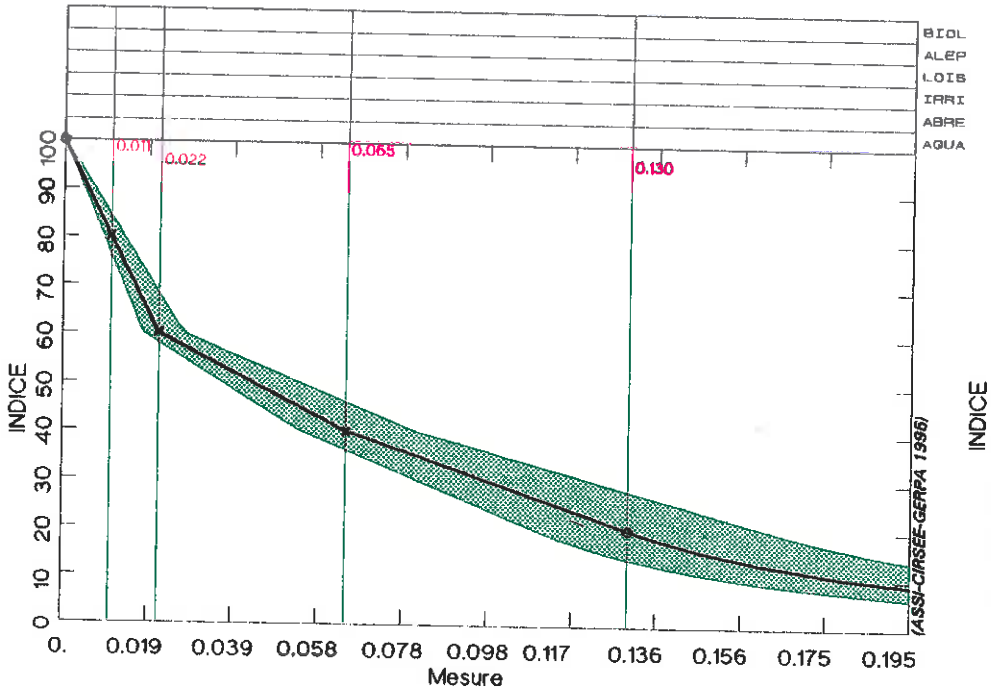
Paramètre : As (mg/kg PS)



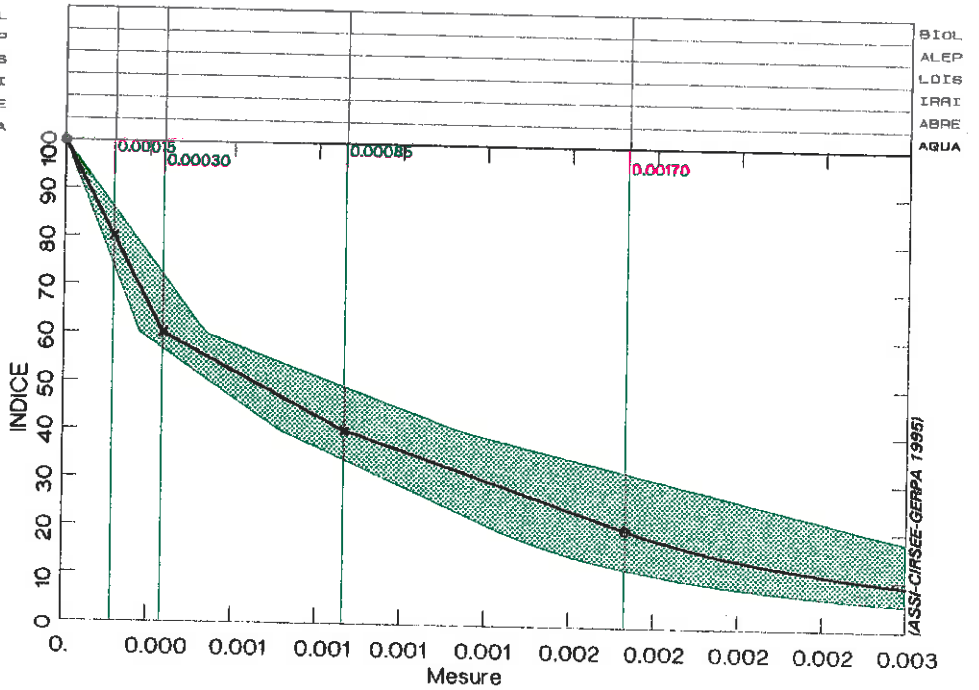
Paramètre : Cd (mg/kg PS)



Paramètre : CrT (mg/kg PS)

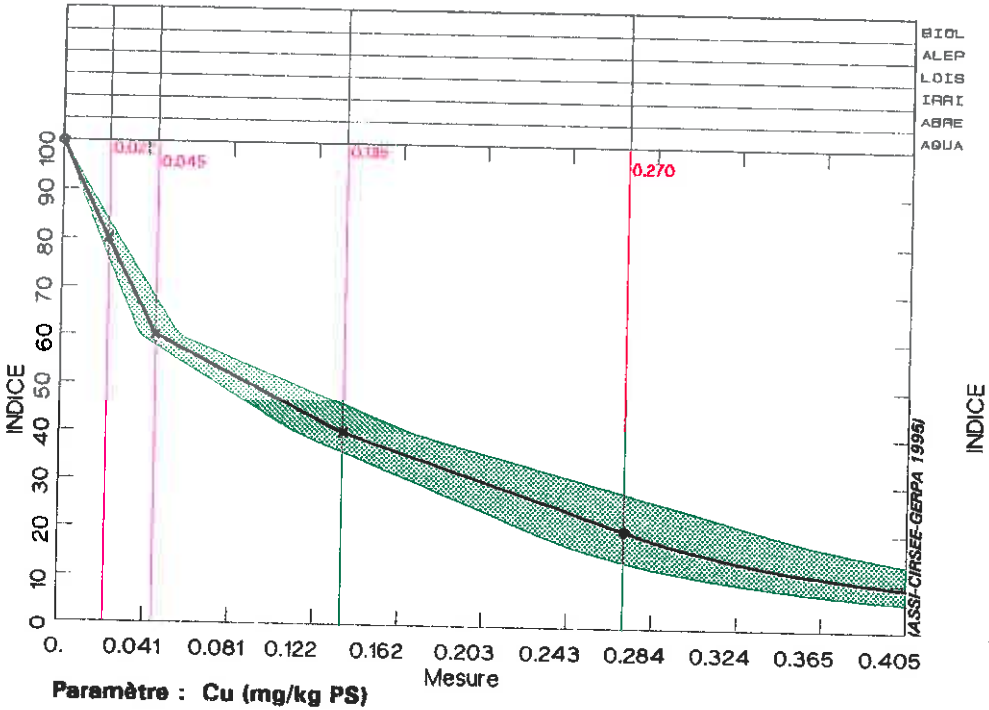


Paramètre : Hg (mg/kg PS)

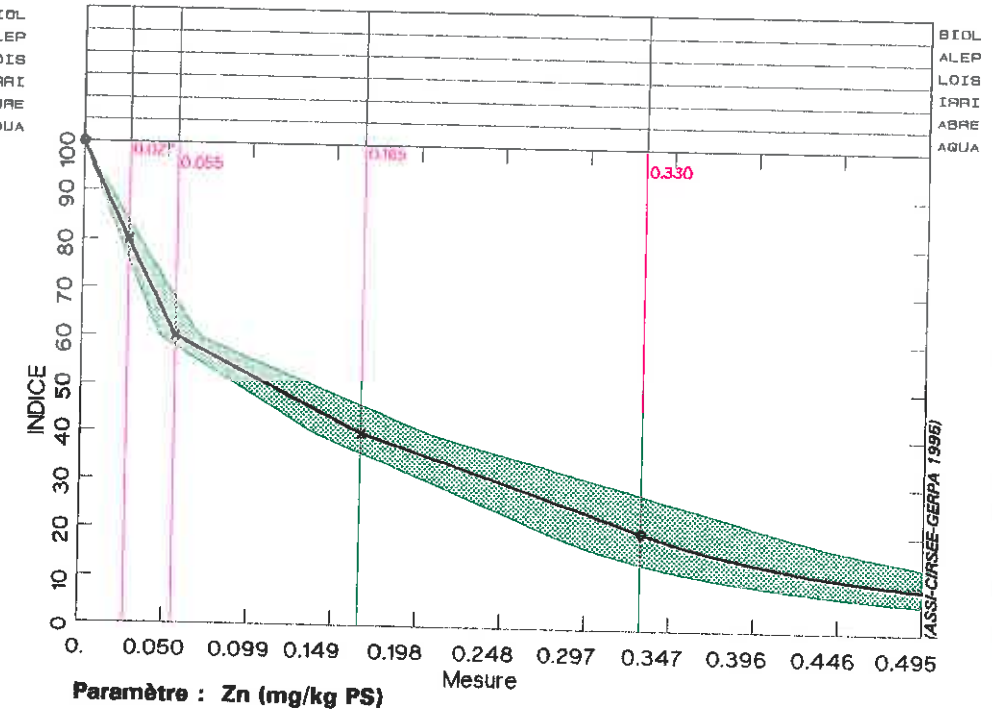


Altération : MICRO-POLLUANTS MINERAUX SUR BRYOPHYTES

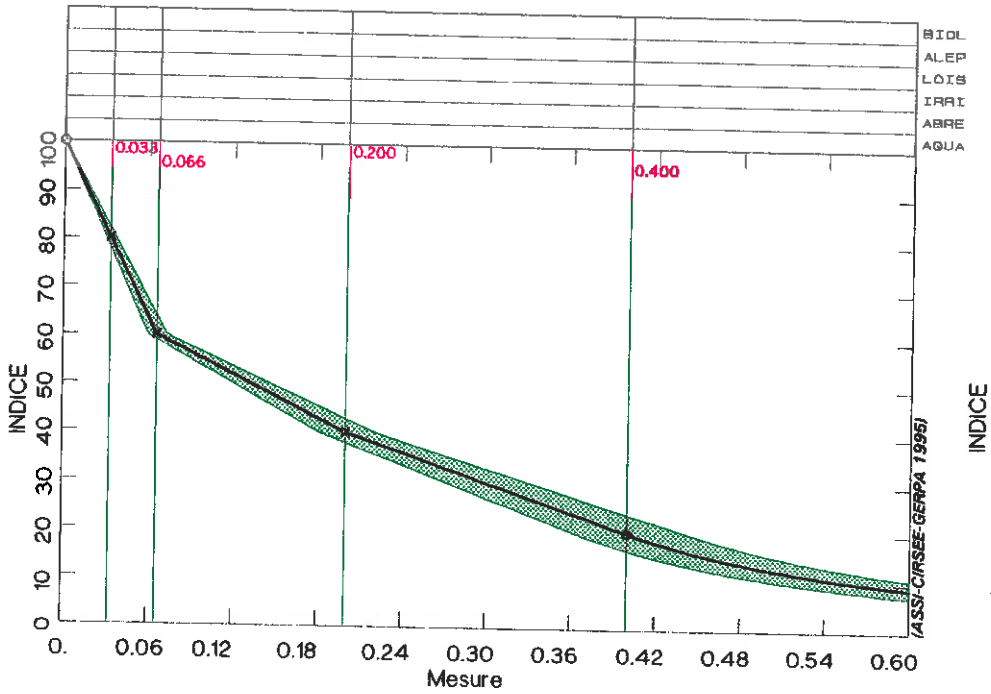
Paramètre : Ni (mg/kg PS)



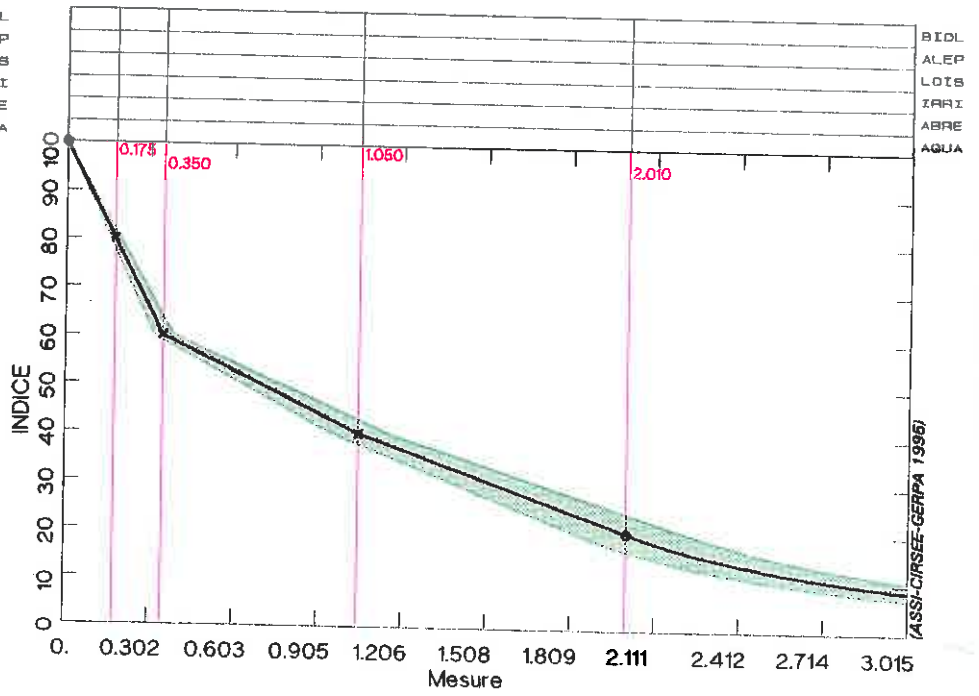
Paramètre : Pb (mg/kg PS)



Paramètre : Cu (mg/kg PS)



Paramètre : Zn (mg/kg PS)



Altération : MICRO-POLLUANTS MINERAUX SUR BRYOPHYTES

MICRO-POLLUANTS MINERAUX SUR BRYOPHYTES

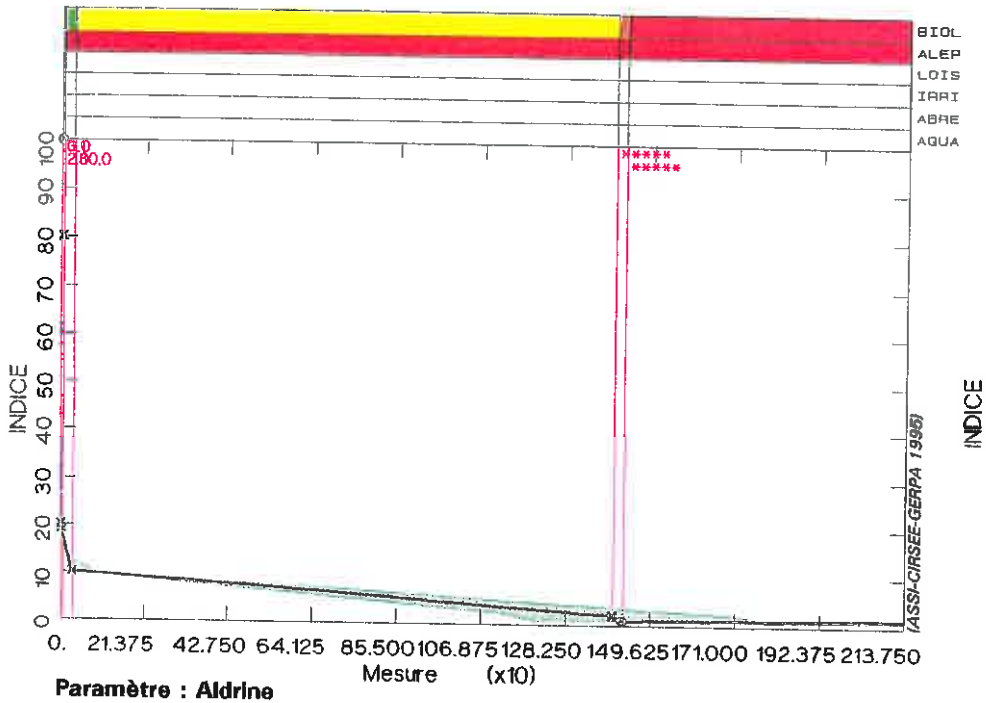
0903	5	0	6	4	1	110		20.0		0.	As (mg/kg PS)			
6						0.000	100.		1.	0	0	0	0	0	0	0
1						0.0045	80.		0.	0	0	0	0	0	0	0
1						0.009	60.		0.	0	0	0	0	0	0	0
1						0.027	40.		0.	0	0	0	0	0	0	0
3						0.054	20.		1.	0	0	0	0	0	0	0
0906	5	0	6	4	1	210		30.0		0.	Cd (mg/kg PS)			
6						0.000	100.		1.	0	0	0	0	0	0	0
1						0.0012	80.		0.	0	0	0	0	0	0	0
1						0.0025	60.		0.	0	0	0	0	0	0	0
1						0.007	40.		0.	0	0	0	0	0	0	0
3						0.014	20.		1.	0	0	0	0	0	0	0
0908	5	0	5	3	1	310		20.0		0.	CrT (mg/kg PS)			
6						0.000	100.		1.	0	0	0	0	0	0	0
1						0.011	80.		0.	0	0	0	0	0	0	0
1						0.022	60.		0.	0	0	0	0	0	0	0
1						0.065	40.		0.	0	0	0	0	0	0	0
3						0.130	20.		1.	0	0	0	0	0	0	0
0913	5	0	7	5	1	410		30.0		0.	Hg (mg/kg PS)			
6						0.000	100.		1.	0	0	0	0	0	0	0
1						0.00015	80.		0.	0	0	0	0	0	0	0
1						0.00030	60.		0.	0	0	0	0	0	0	0
1						0.00085	40.		0.	0	0	0	0	0	0	0
3						0.0017	20.		1.	0	0	0	0	0	0	0
0917	5	0	5	3	1	510		20.0		0.	Ni (mg/kg PS)			
6						0.000	100.		1.	0	0	0	0	0	0	0
1						0.022	80.		0.	0	0	0	0	0	0	0
1						0.045	60.		0.	0	0	0	0	0	0	0
1						0.135	40.		0.	0	0	0	0	0	0	0
3						0.270	20.		1.	0	0	0	0	0	0	0
0918	5	0	5	3	1	610		20.0		0.	Pb (mg/kg PS)			
6						0.000	100.		1.	0	0	0	0	0	0	0
1						0.027	80.		0.	0	0	0	0	0	0	0
1						0.055	60.		0.	0	0	0	0	0	0	0
1						0.165	40.		0.	0	0	0	0	0	0	0
3						0.330	20.		1.	0	0	0	0	0	0	0
0910	5	0	5	3	1	710		10.0		0.	Cu (mg/kg PS)			
6						0.000	100.		1.	0	0	0	0	0	0	0
1						0.033	80.		0.	0	0	0	0	0	0	0
1						0.066	60.		0.	0	0	0	0	0	0	0
1						0.200	40.		0.	0	0	0	0	0	0	0
3						0.400	20.		1.	0	0	0	0	0	0	0
0922	5	0	5	3	1	810		10.0		0.	Zn (mg/kg PS)			
6						0.000	100.		1.	0	0	0	0	0	0	0
1						0.175	80.		0.	0	0	0	0	0	0	0
1						0.350	60.		0.	0	0	0	0	0	0	0
1						1.050	40.		0.	0	0	0	0	0	0	0
3						2.010	20.		1.	0	0	0	0	0	0	0

MICRO-POLLUANTS MINERAUX SUR BRYOPHYTES

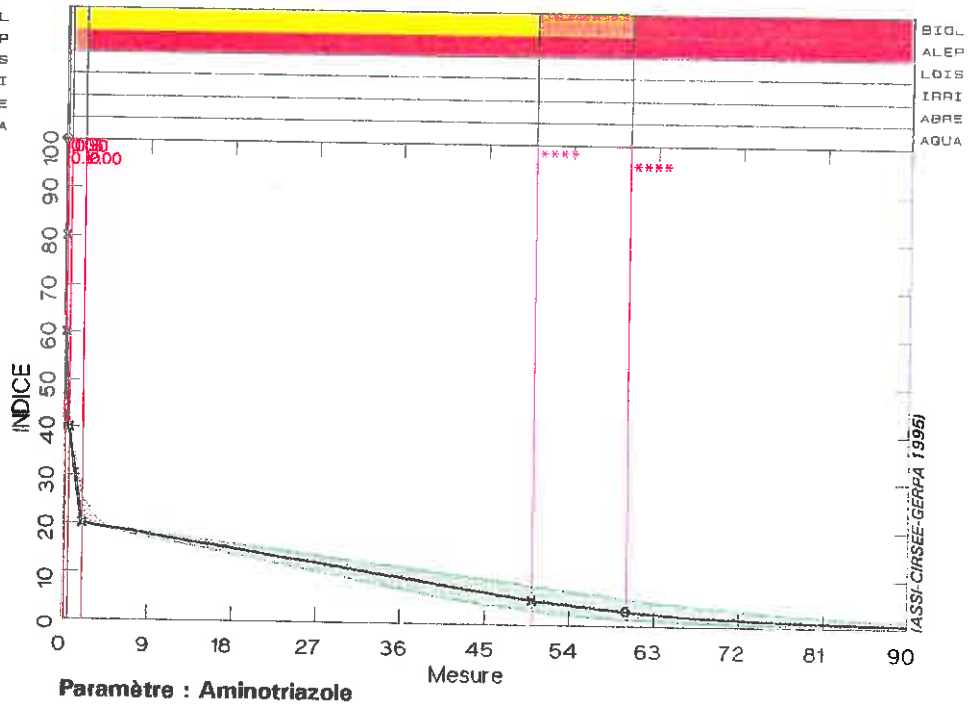
0903	5	0	6	4	1	110	20.0000		0.0000				As (mg/kg PS)
6	0.0000	4444.4		1.0000		0	0	0	0	0	0		
1	0.0045	-4444.4		100.00		0	0	0	0	0	0		
1	0.0090	-1111.1		70.000		0	0	0	0	0	0		
1	0.0270	-740.74		60.000		0	0	0	0	0	0		
3	0.0540	0.58320E-01		-2.0000		0	0	0	0	0	0		
0906	5	0	6	4	1	210	30.0000		0.0000				Cd (mg/kg PS)
6	0.0000	9935.1		0.92308		0	0	0	0	0	0		
1	0.0012	-15385.		98.462		0	0	0	0	0	0		
1	0.0025	-4444.4		71.111		0	0	0	0	0	0		
1	0.0070	-2857.1		60.000		0	0	0	0	0	0		
3	0.0140	0.39200E-02		-2.0000		0	0	0	0	0	0		
0908	5	0	5	3	1	310	20.0000		0.0000				CrT (mg/kg PS)
6	0.000	1818.2		1.0000		0	0	0	0	0	0		
1	0.011	-1818.2		100.00		0	0	0	0	0	0		
1	0.022	-465.12		70.233		0	0	0	0	0	0		
1	0.065	-307.69		60.000		0	0	0	0	0	0		
3	0.130	0.33800		-2.0000		0	0	0	0	0	0		
0913	5	0	7	5	1	410	30.0000		0.0000				Hg (mg/kg PS)
6	0.00000	0.13333E+06		1.0000		0	0	0	0	0	0		
1	0.00015	-0.13333E+06		100.00		0	0	0	0	0	0		
1	0.00030	-36364.		70.909		0	0	0	0	0	0		
1	0.00085	-23529.		60.000		0	0	0	0	0	0		
3	0.00170	0.57800E-04		-2.0000		0	0	0	0	0	0		
0917	5	0	5	3	1	510	20.0000		0.0000				Ni (mg/kg PS)
6	0.000	770.08		0.95652		0	0	0	0	0	0		
1	0.022	-869.57		99.130		0	0	0	0	0	0		
1	0.045	-222.22		70.000		0	0	0	0	0	0		
1	0.135	-148.15		60.000		0	0	0	0	0	0		
3	0.270	1.4580		-2.0000		0	0	0	0	0	0		
0918	5	0	5	3	1	610	20.0000		0.0000				Pb (mg/kg PS)
6	0.000	651.09		0.96429		0	0	0	0	0	0		
1	0.027	-714.29		99.286		0	0	0	0	0	0		
1	0.055	-181.82		70.000		0	0	0	0	0	0		
1	0.165	-121.21		60.000		0	0	0	0	0	0		
3	0.330	2.1780		-2.0000		0	0	0	0	0	0		
0910	5	0	5	3	1	710	10.0000		0.0000				Cu (mg/kg PS)
6	0.000	606.06		1.0000		0	0	0	0	0	0		
1	0.033	-606.06		100.00		0	0	0	0	0	0		
1	0.066	-149.25		69.851		0	0	0	0	0	0		
1	0.200	-100.00		60.000		0	0	0	0	0	0		
3	0.400	3.2000		-2.0000		0	0	0	0	0	0		
0922	5	0	5	3	1	810	10.0000		0.0000				Zn (mg/kg PS)
6	0.000	114.29		1.0000		0	0	0	0	0	0		
1	0.175	-114.29		100.00		0	0	0	0	0	0		
1	0.350	-28.571		70.000		0	0	0	0	0	0		
1	1.050	-20.833		61.875		0	0	0	0	0	0		
3	2.010	86.267		-2.0938		0	0	0	0	0	0		

Altération Pesticides

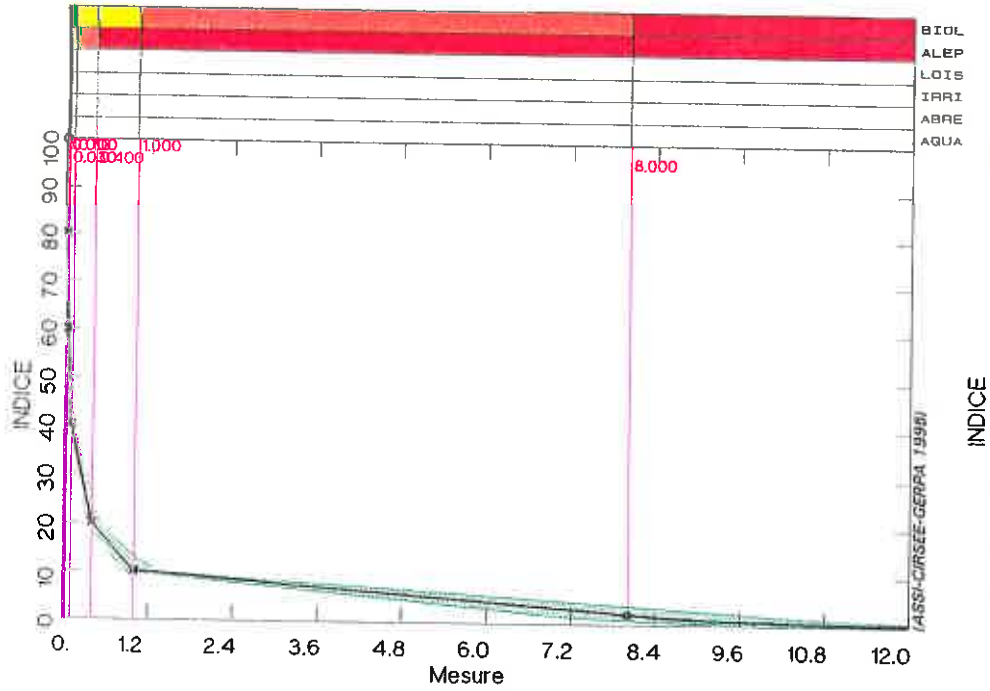
Paramètre : Alachlore



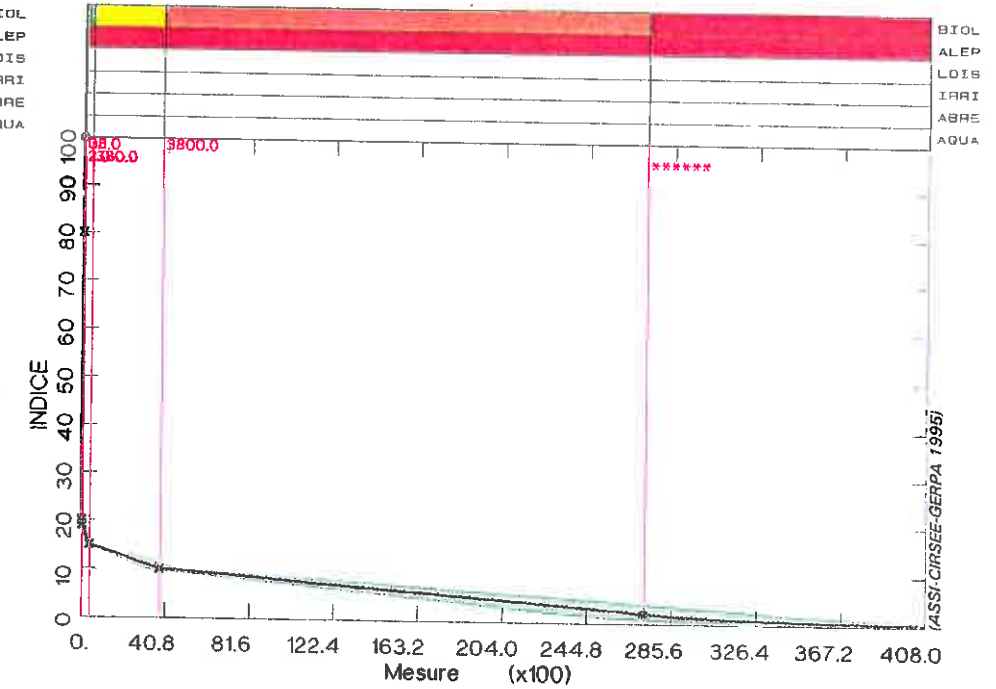
Paramètre : Aldicarbe



Paramètre : Aldrine

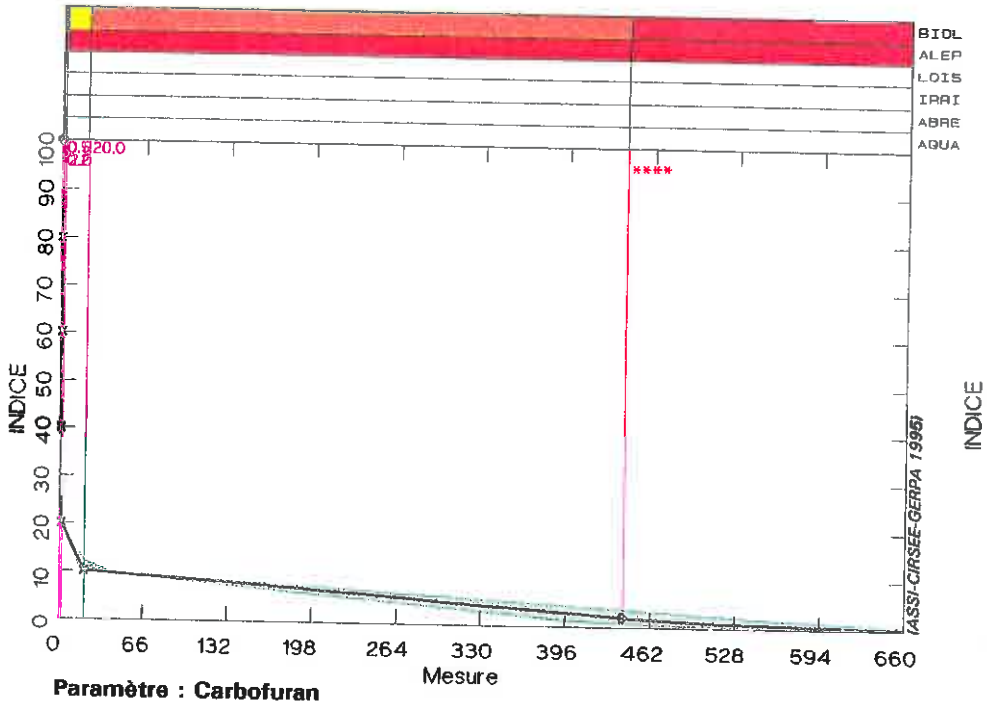


Paramètre : Aminotriazole

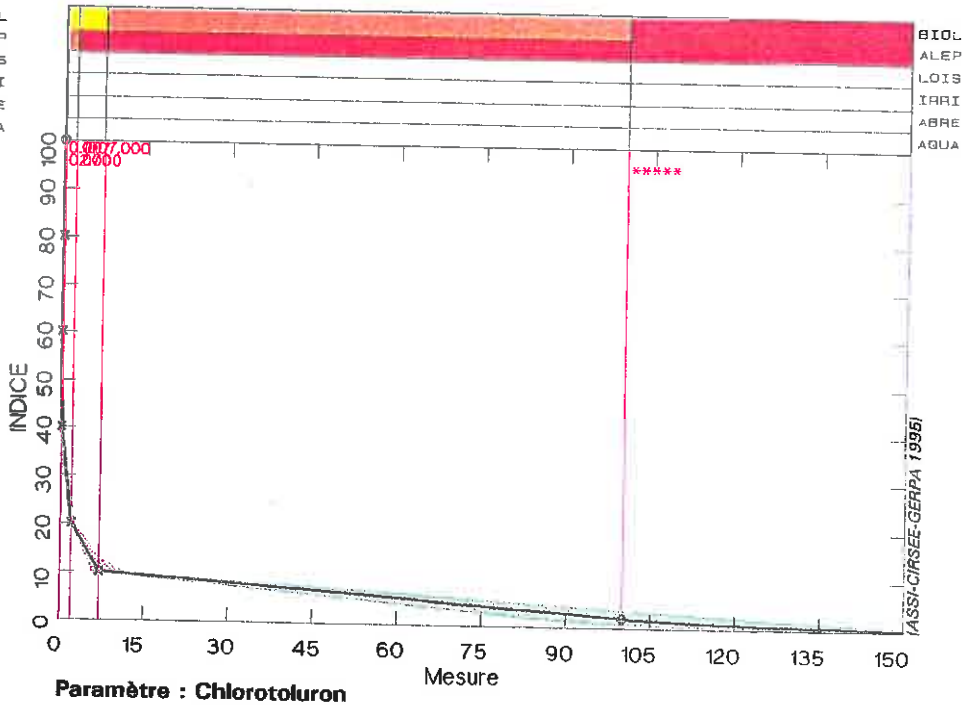


Altération : PESTICIDES (µg/l)

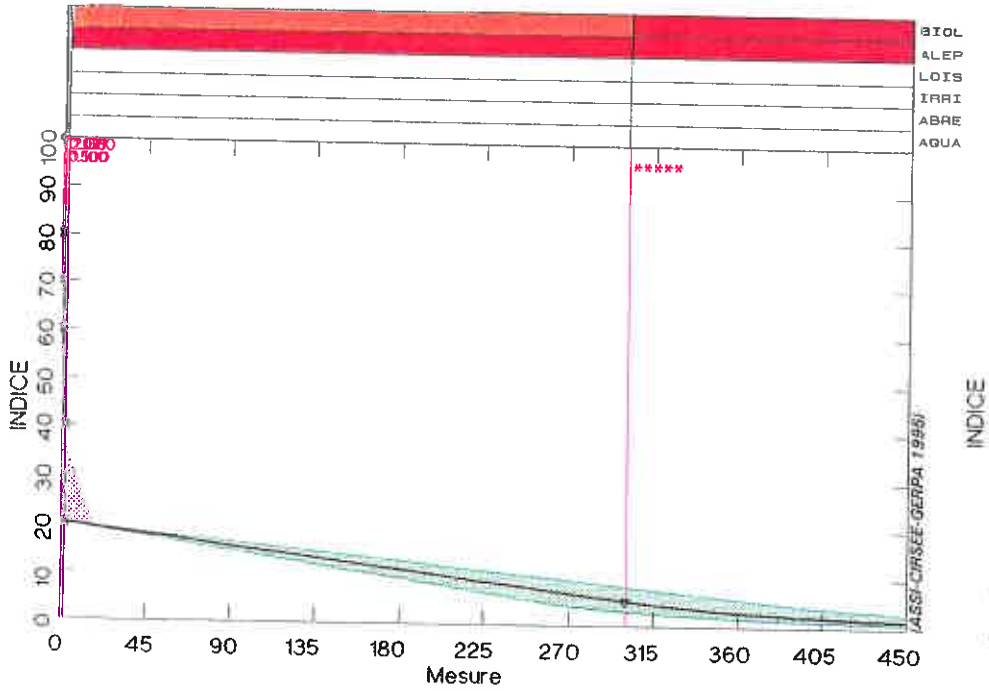
Paramètre : Atrazine



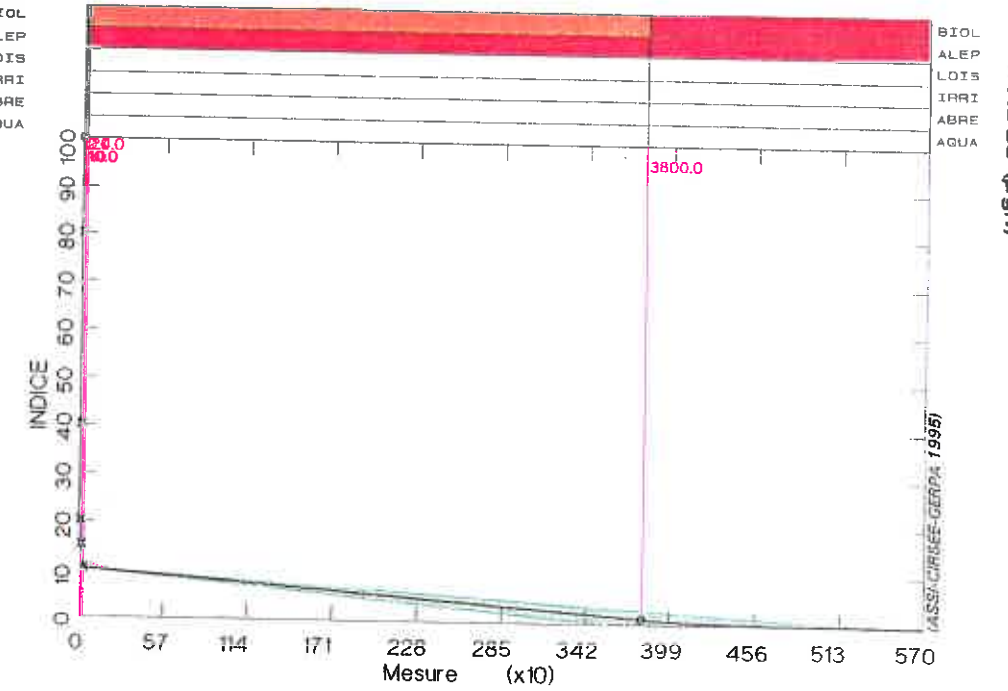
Paramètre : Carbendazine



Paramètre : Carbofuran

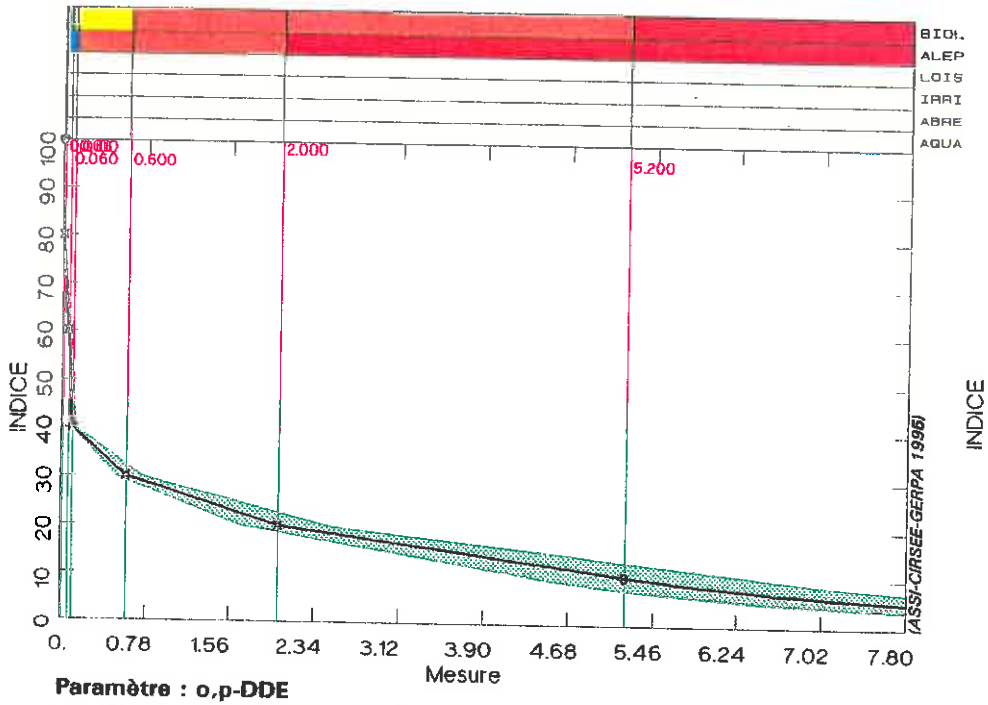


Paramètre : Chlorotoluron

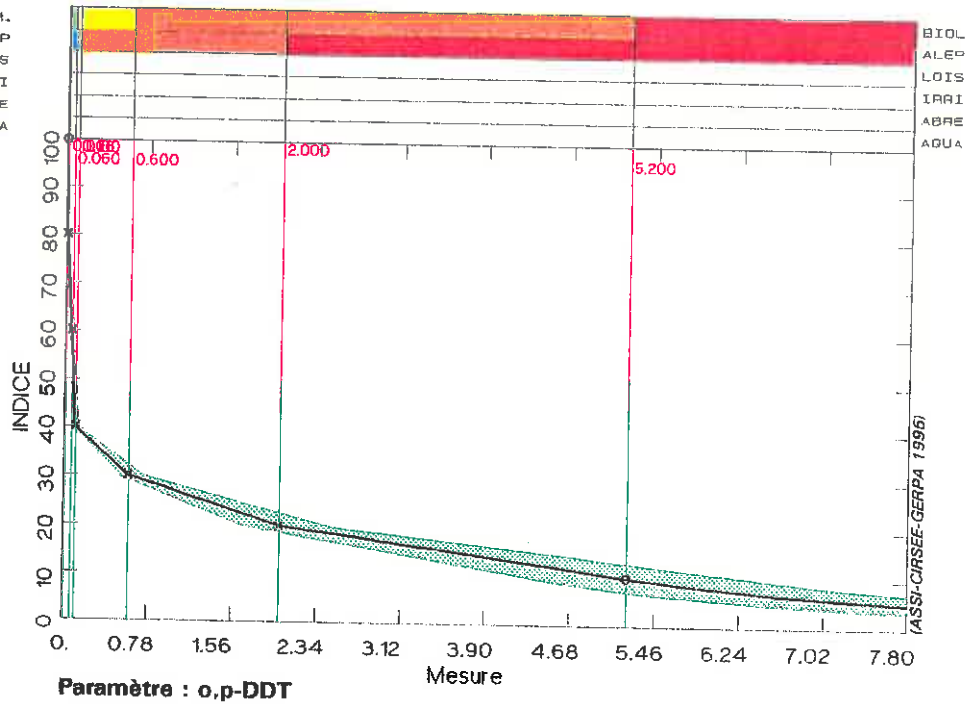


Altération : PESTICIDES (µg/l)

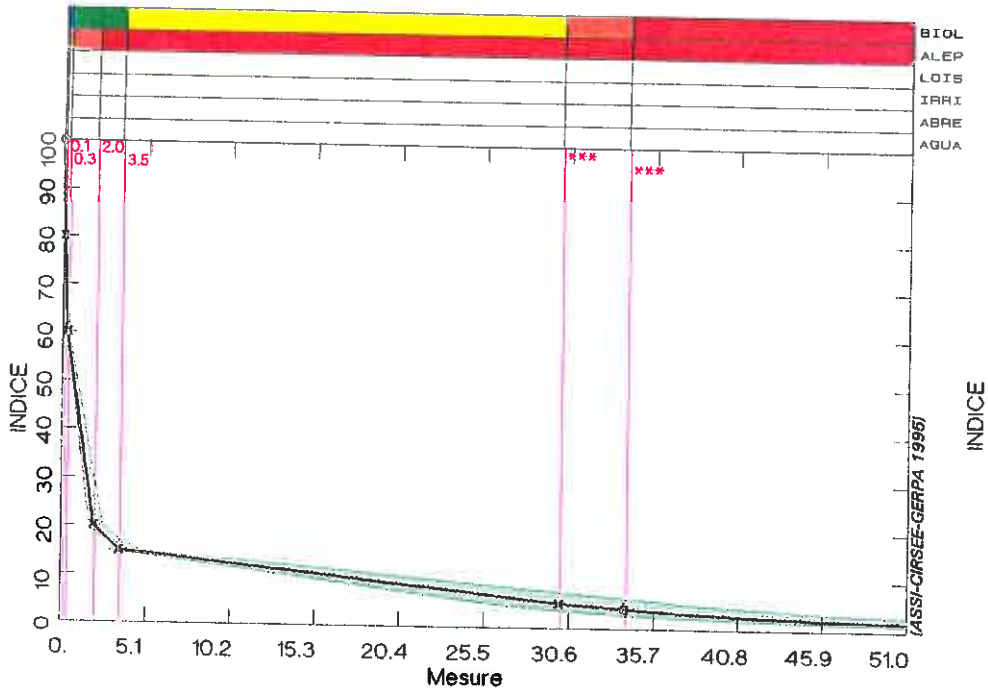
Paramètre : o,p-DDD



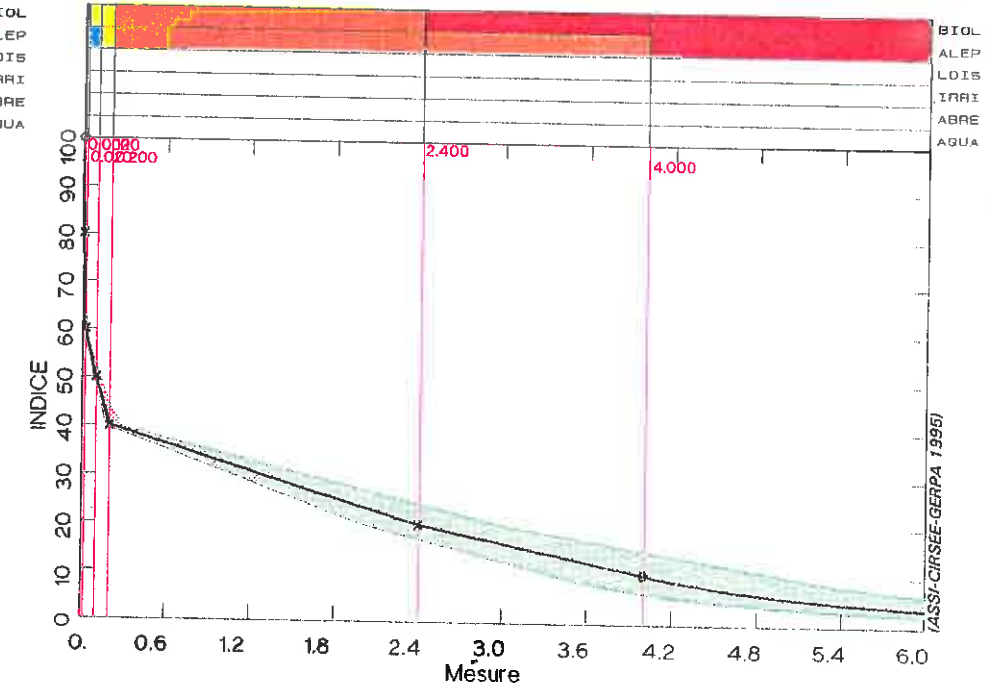
Paramètre : p,p-DDD



Paramètre : o,p-DDE

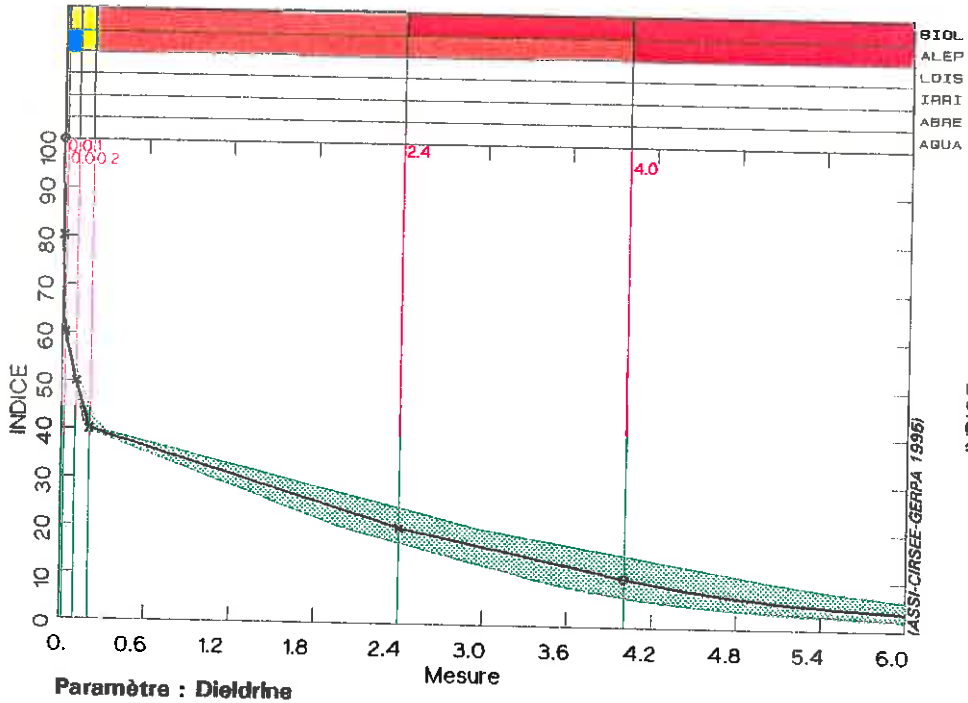


Paramètre : o,p-DDT

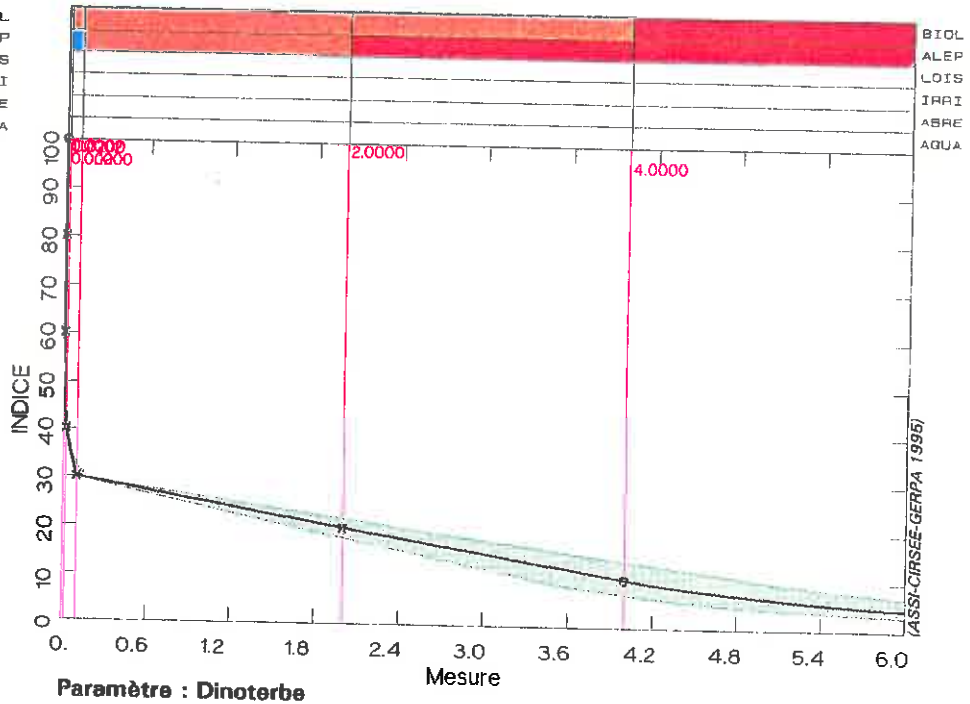


Altération : PESTICIDES (µg/l)

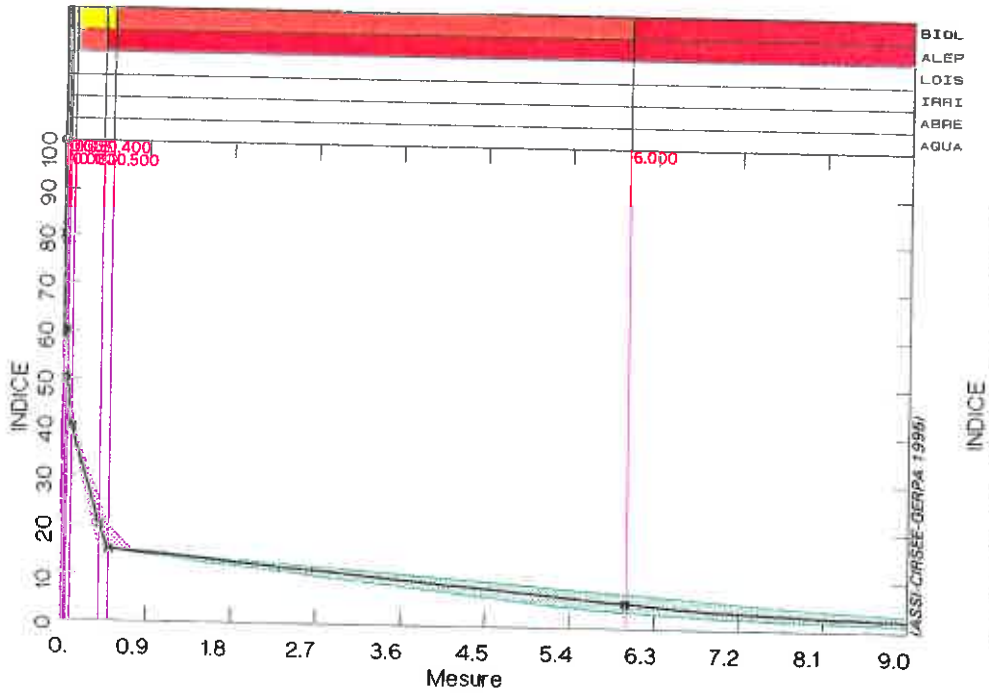
Paramètre : p,p-DDT



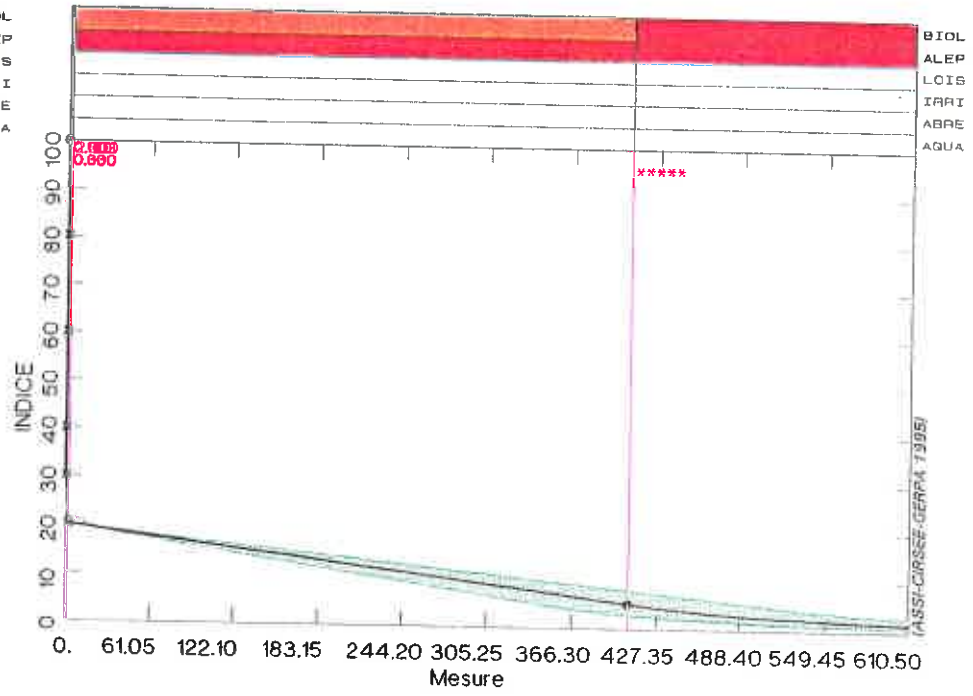
Paramètre : Deltaméthrine



Paramètre : Dieldrine



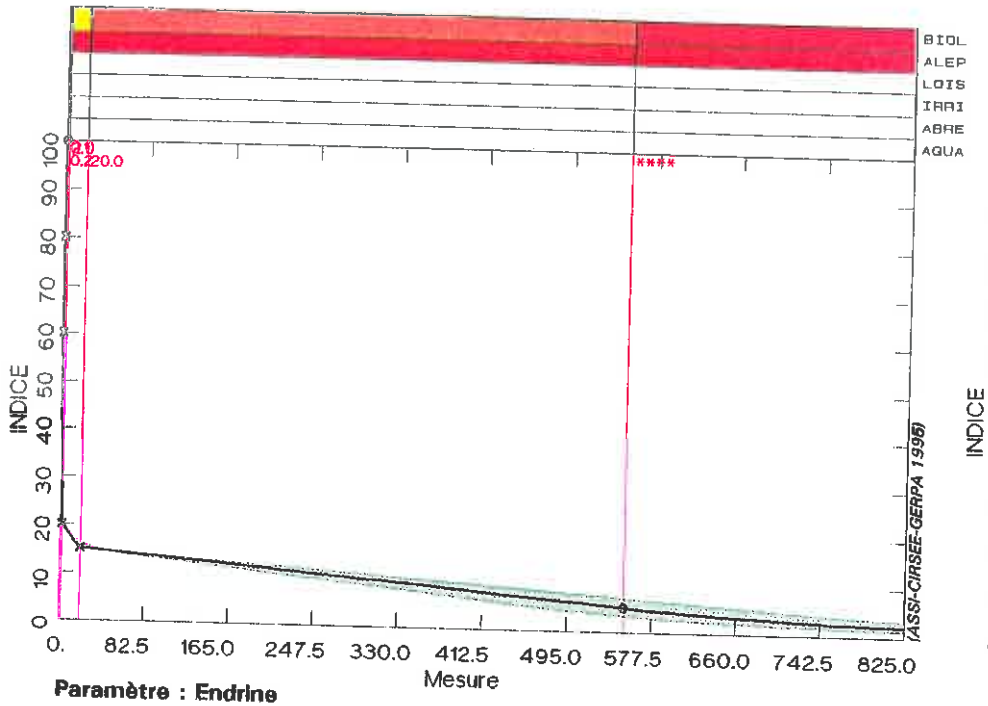
Paramètre : Dinoterbe



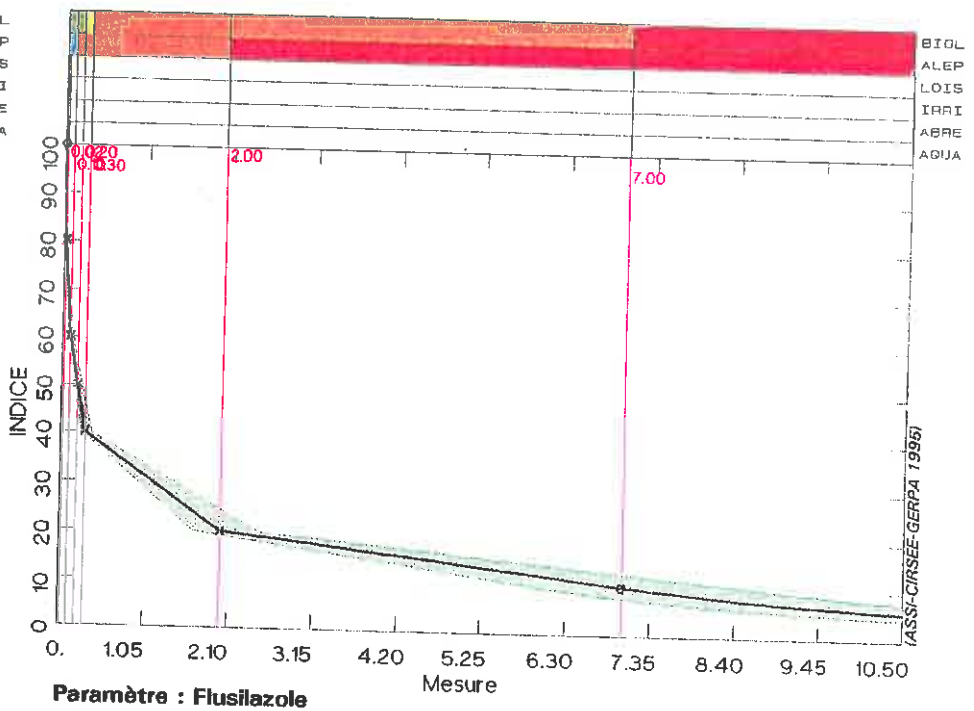
Altération : PESTICIDES (µg/l)

Altération : PESTICIDES (µg/l)

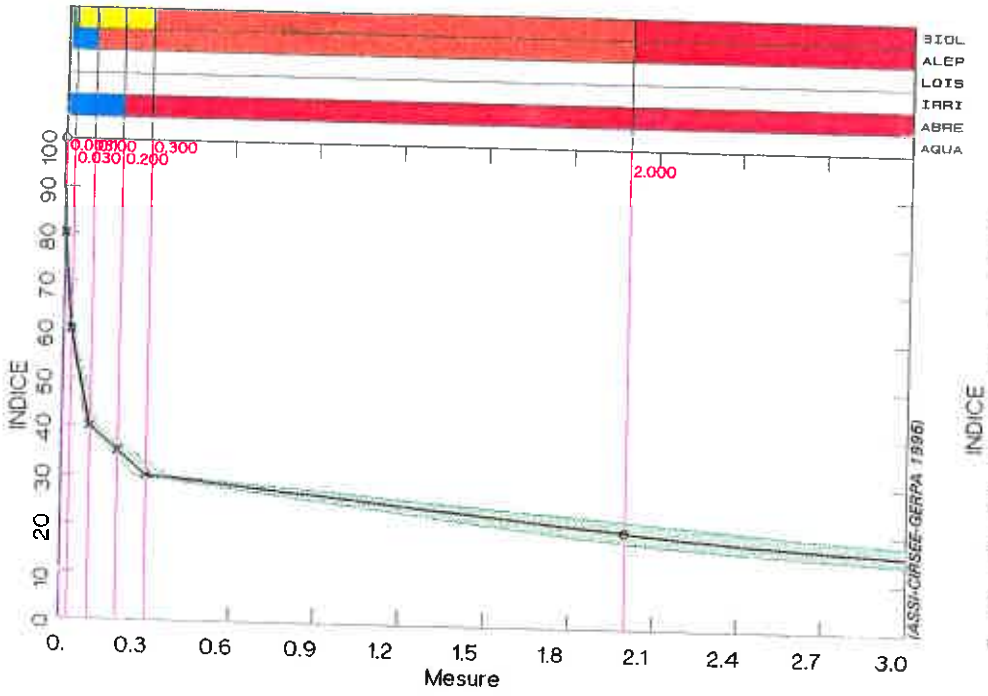
Paramètre : Diuron



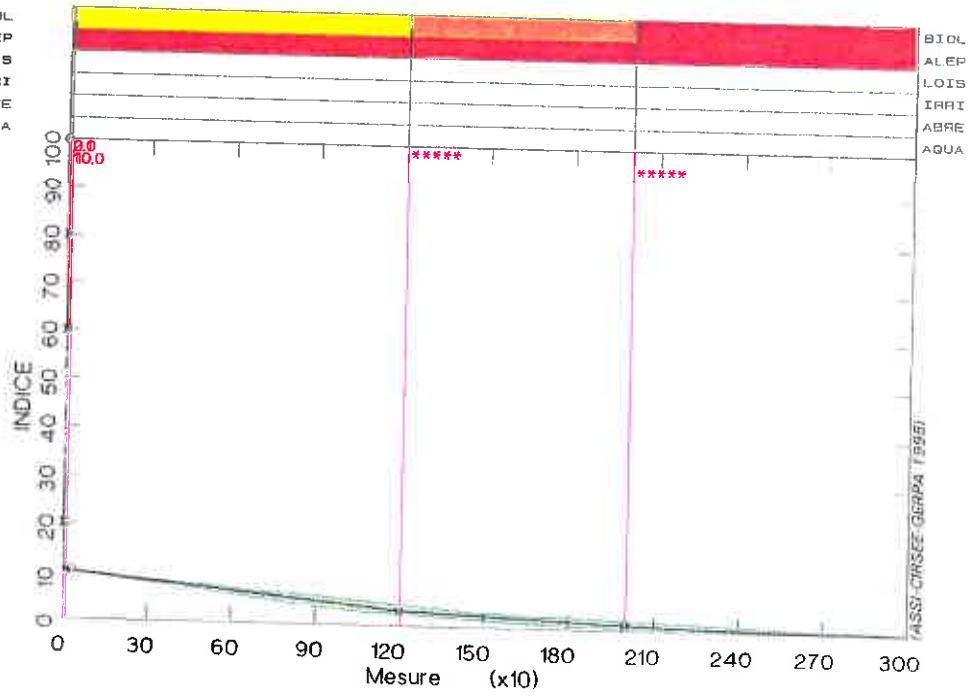
Paramètre : Endosulfan



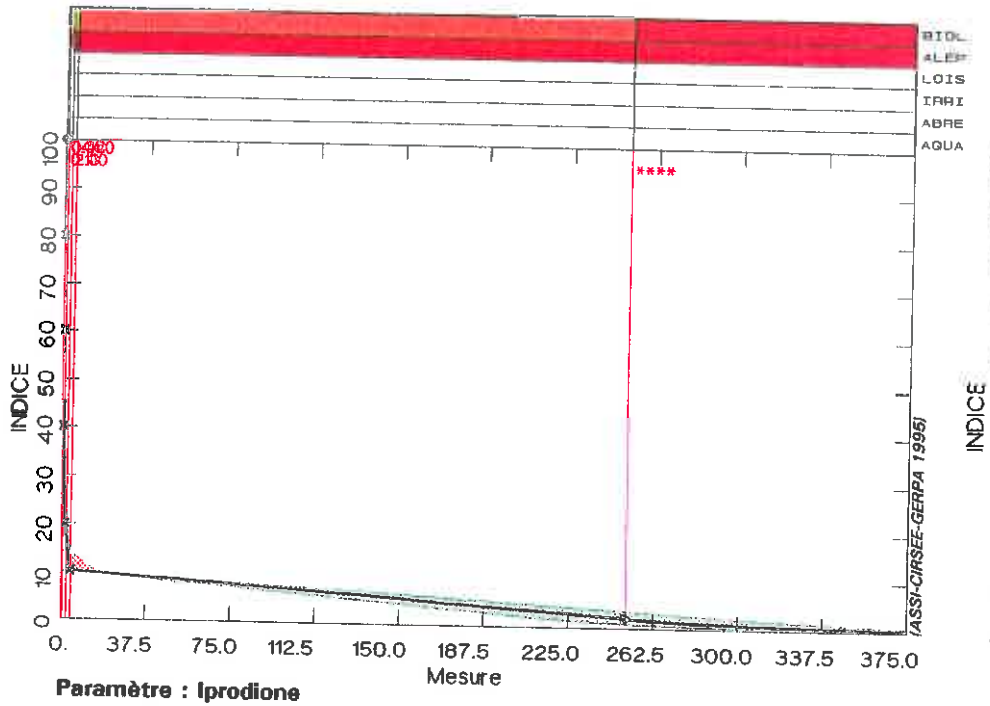
Paramètre : Endrine



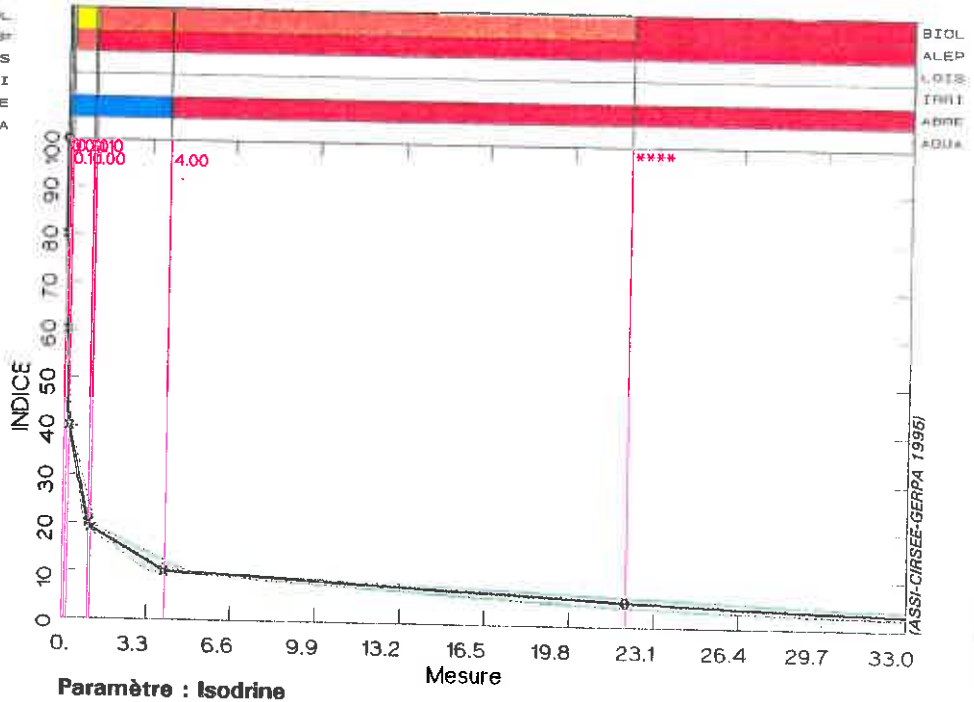
Paramètre : Flusilazole



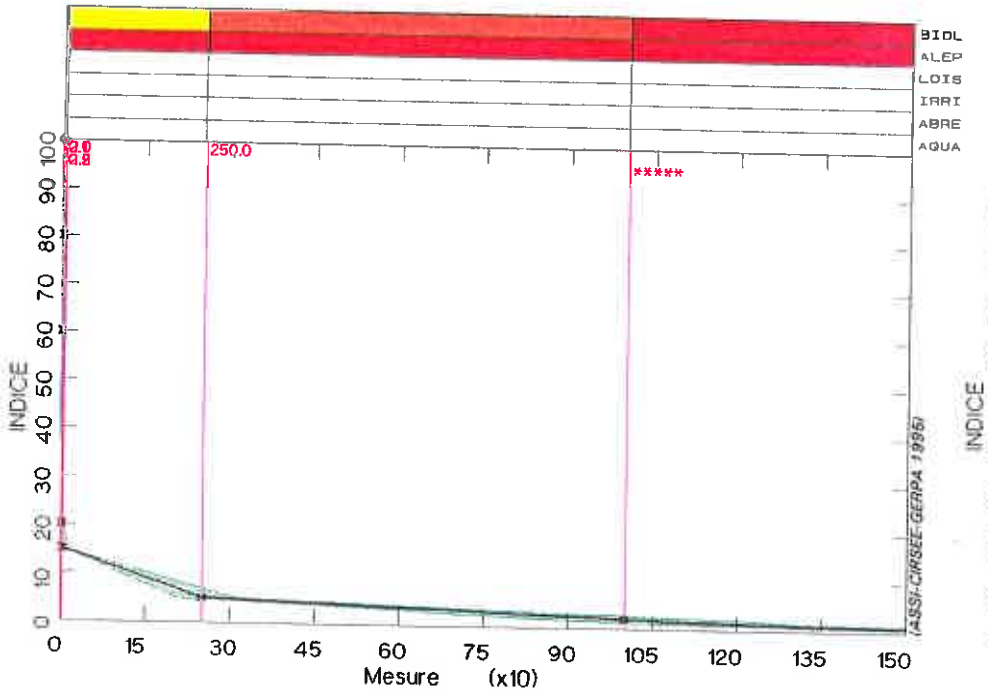
Paramètre : Glyphosphates



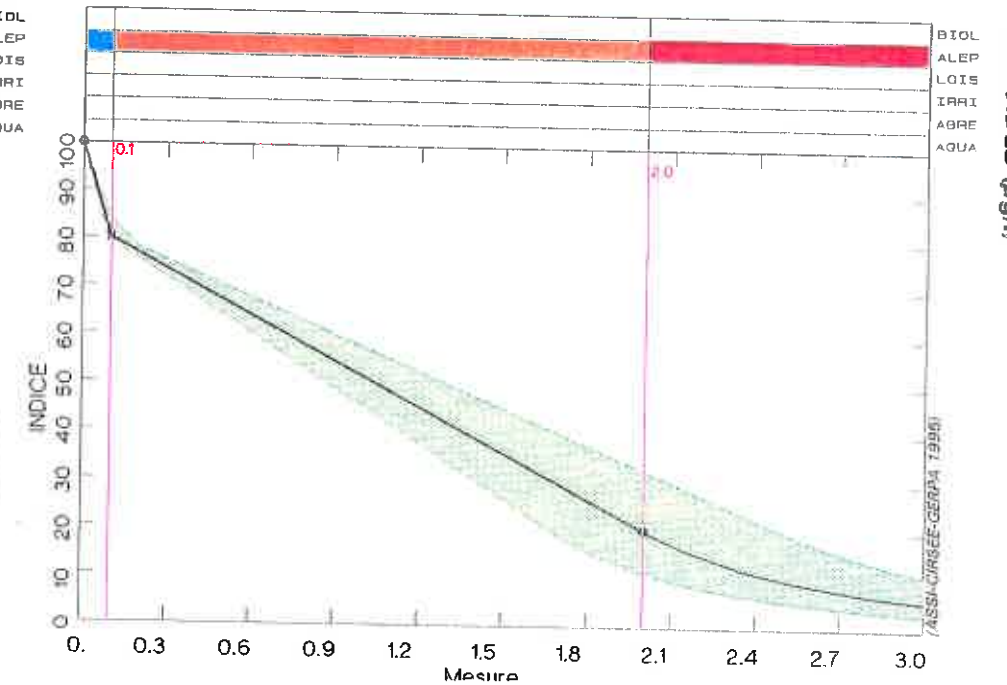
Paramètre : g-HCH (lindane)



Paramètre : Iprodione

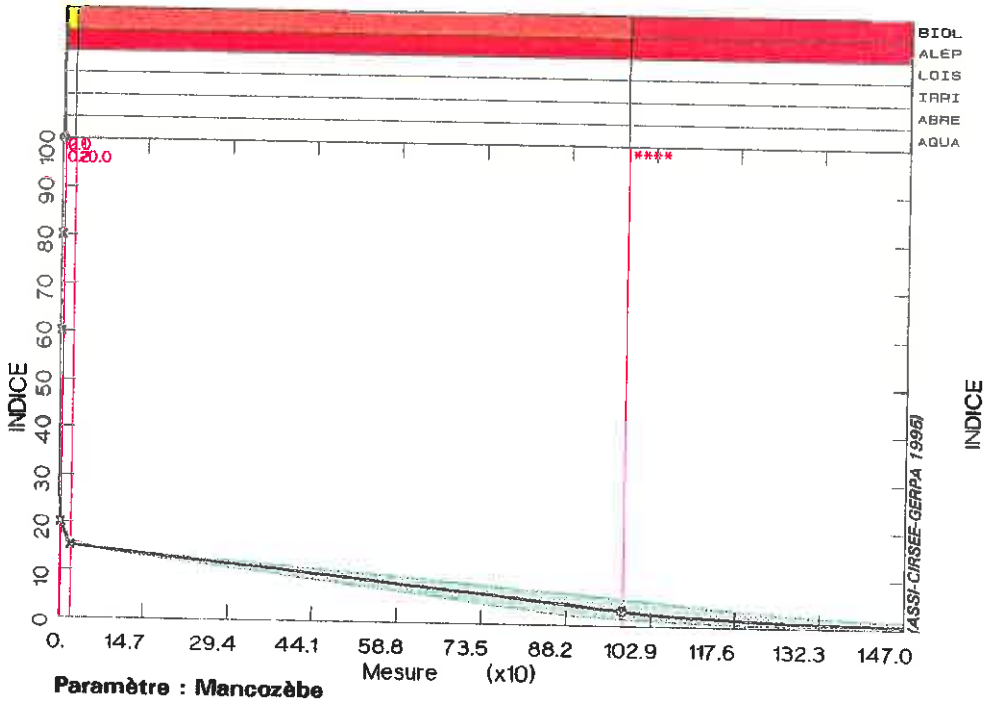


Paramètre : Isodrine

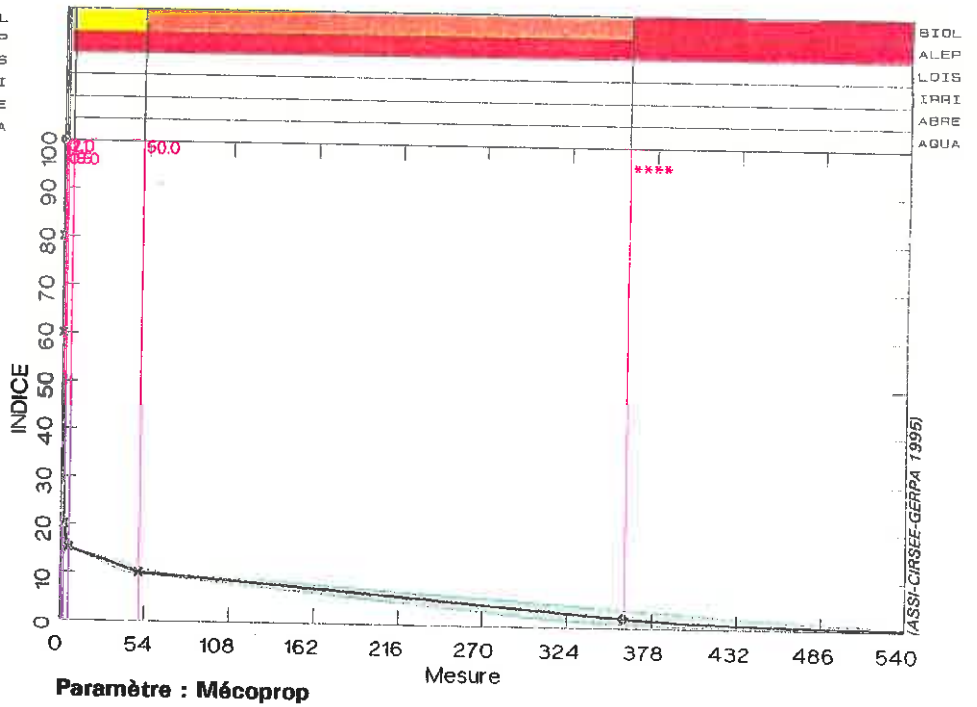


Altération : PESTICIDES (µg/l)

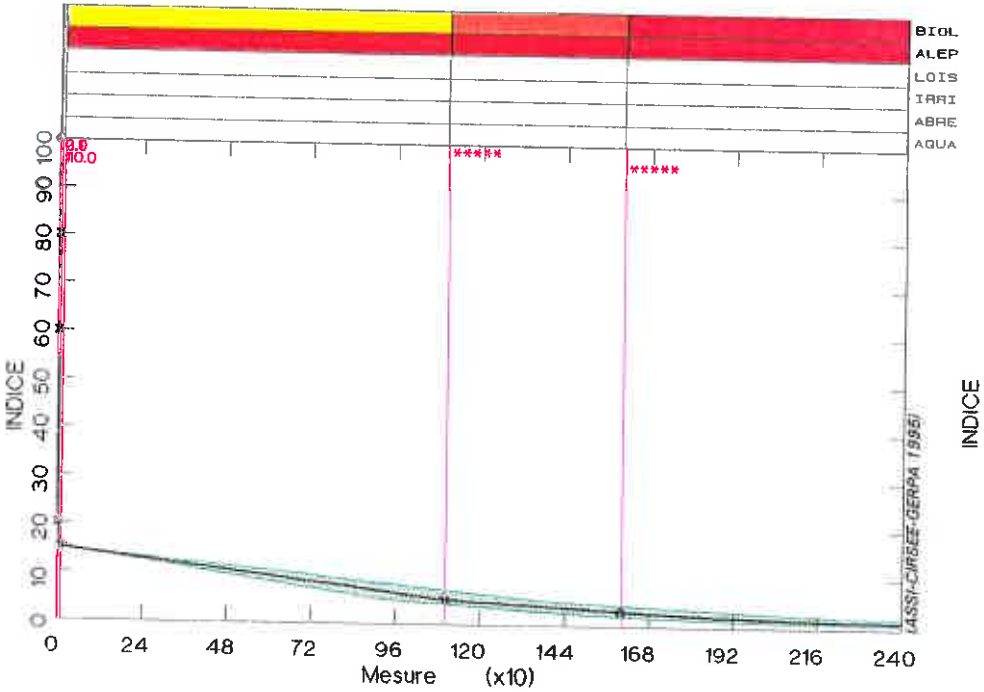
Paramètre : Isoproturon



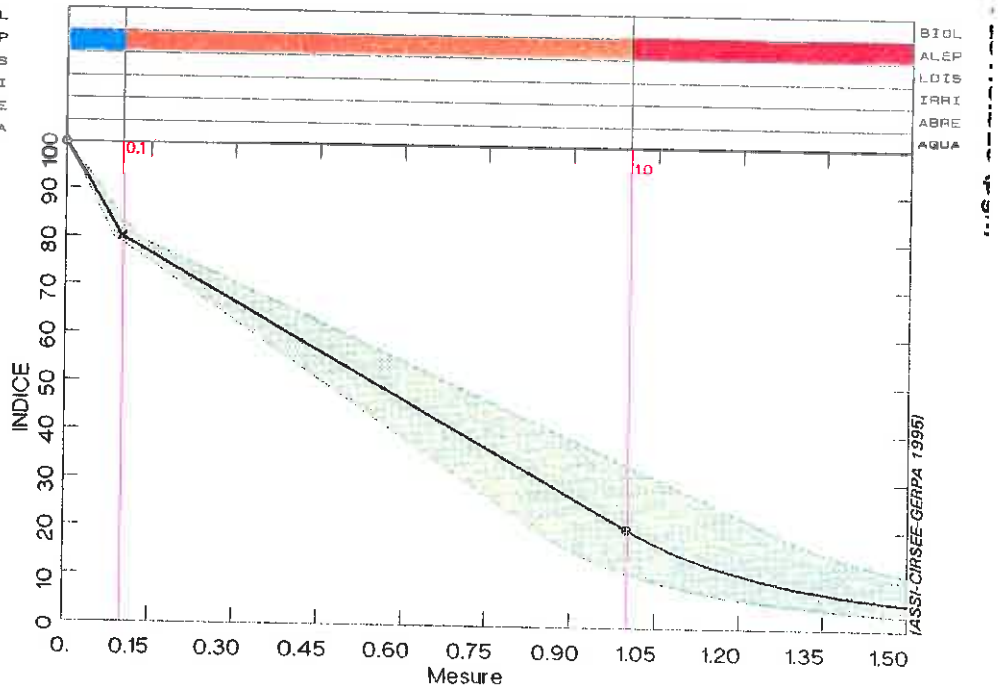
Paramètre : Linuron



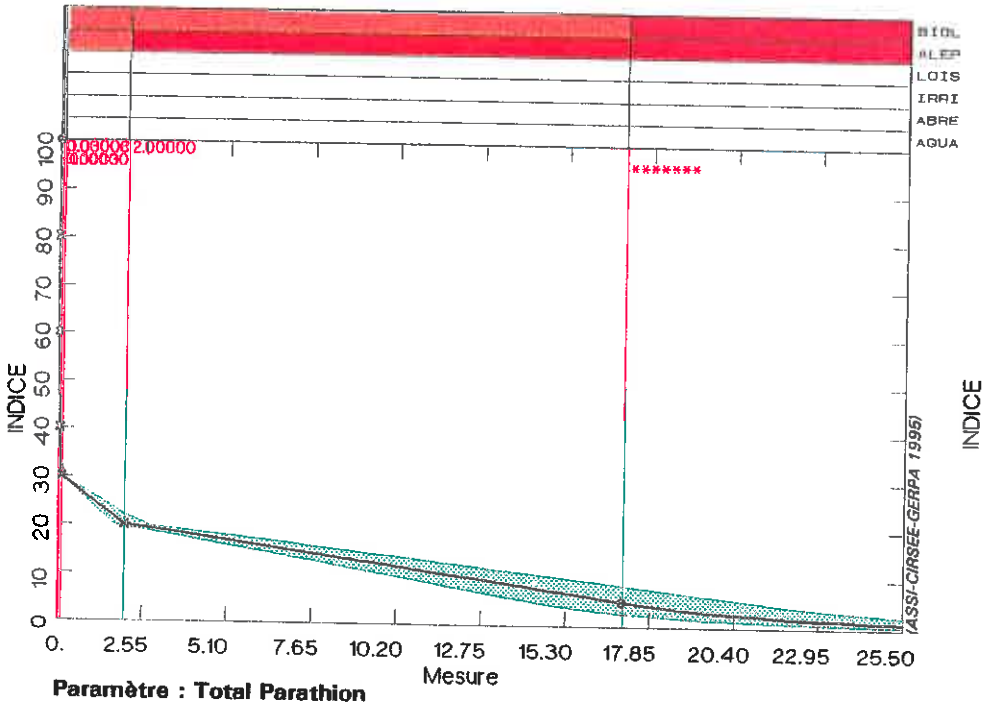
Paramètre : Mancozèbe



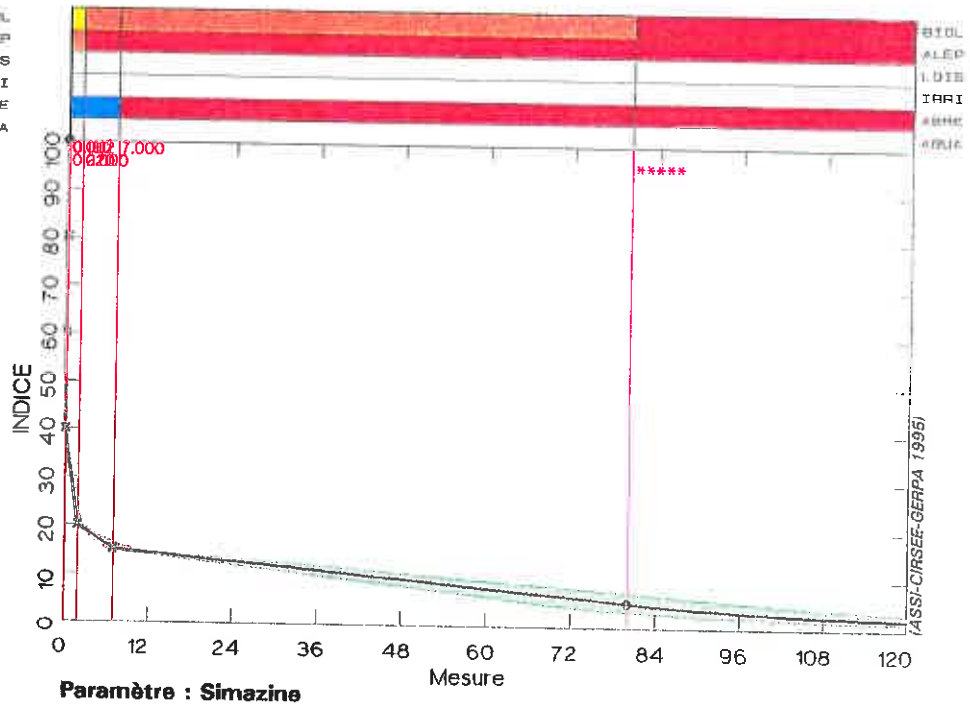
Paramètre : Mécoprop



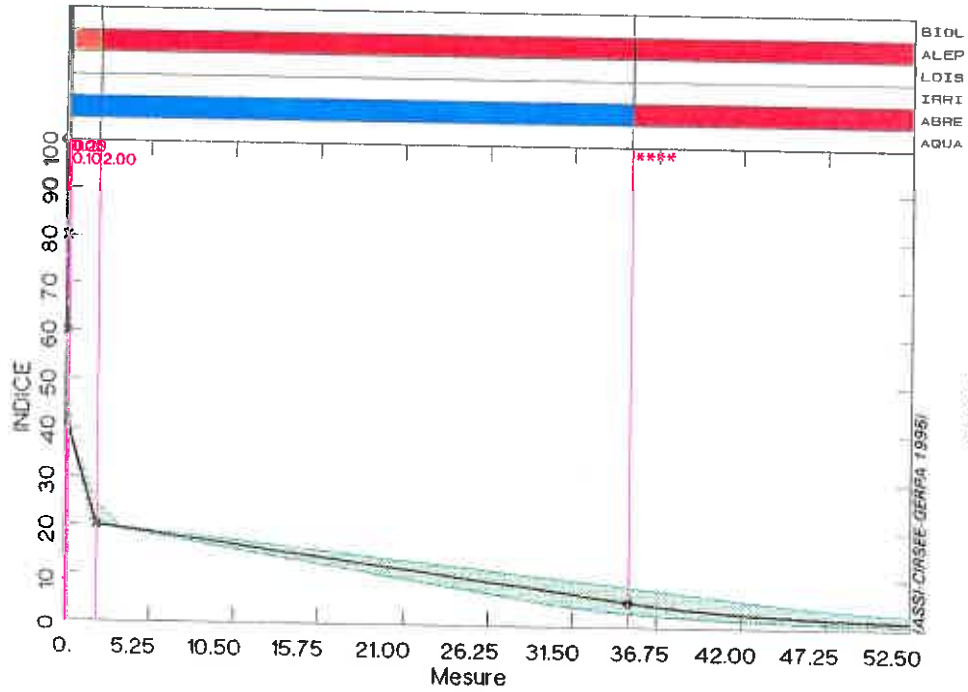
Paramètre : Parathion éthyl



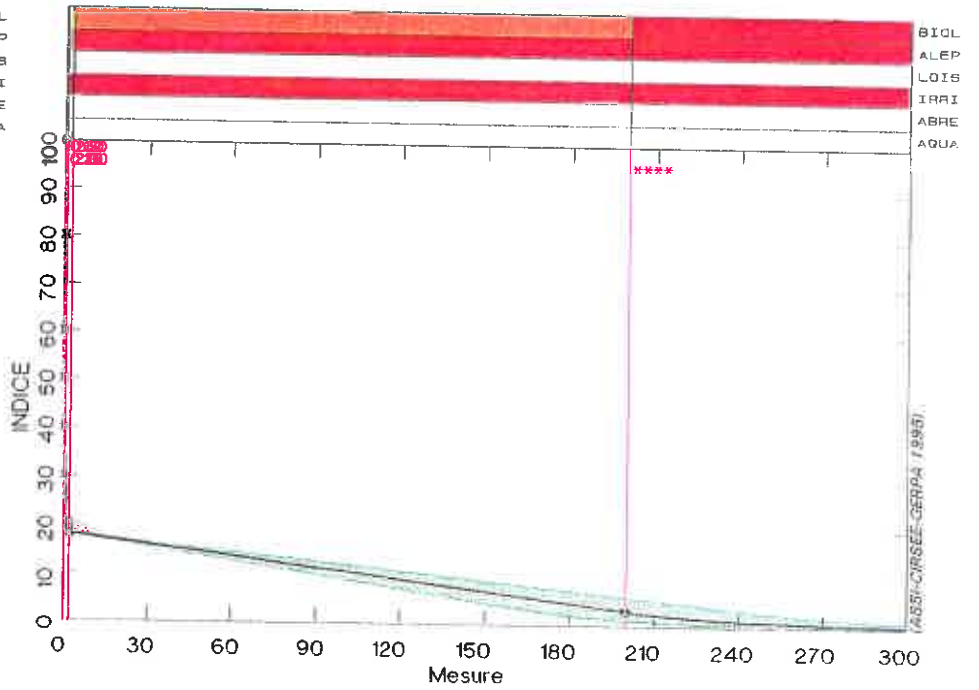
Paramètre : Parathion méthyl



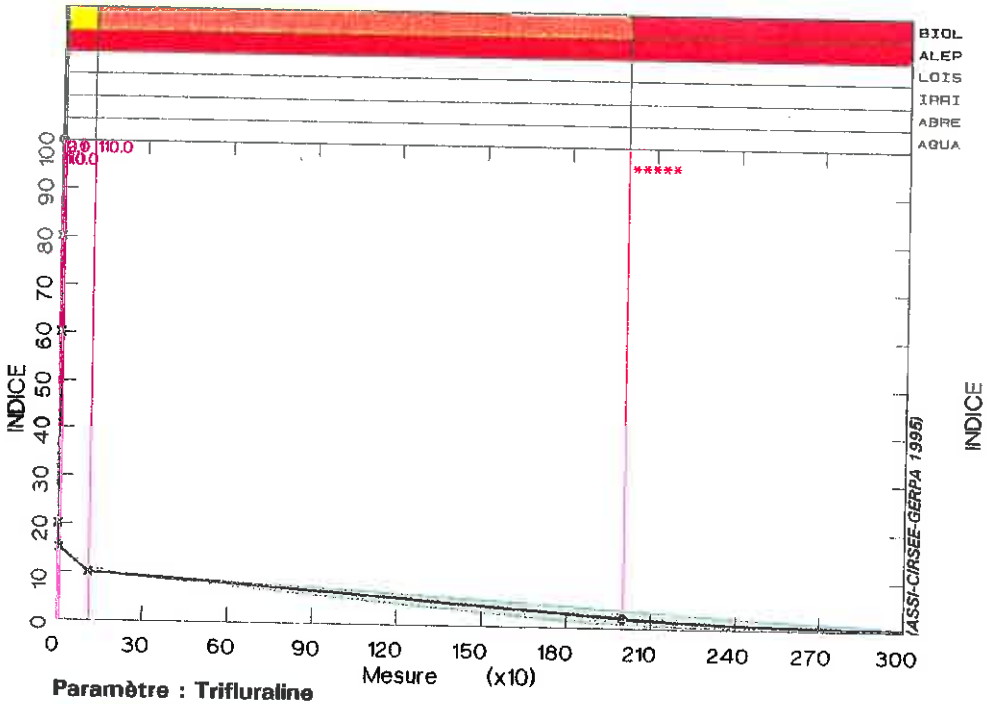
Paramètre : Total Parathion



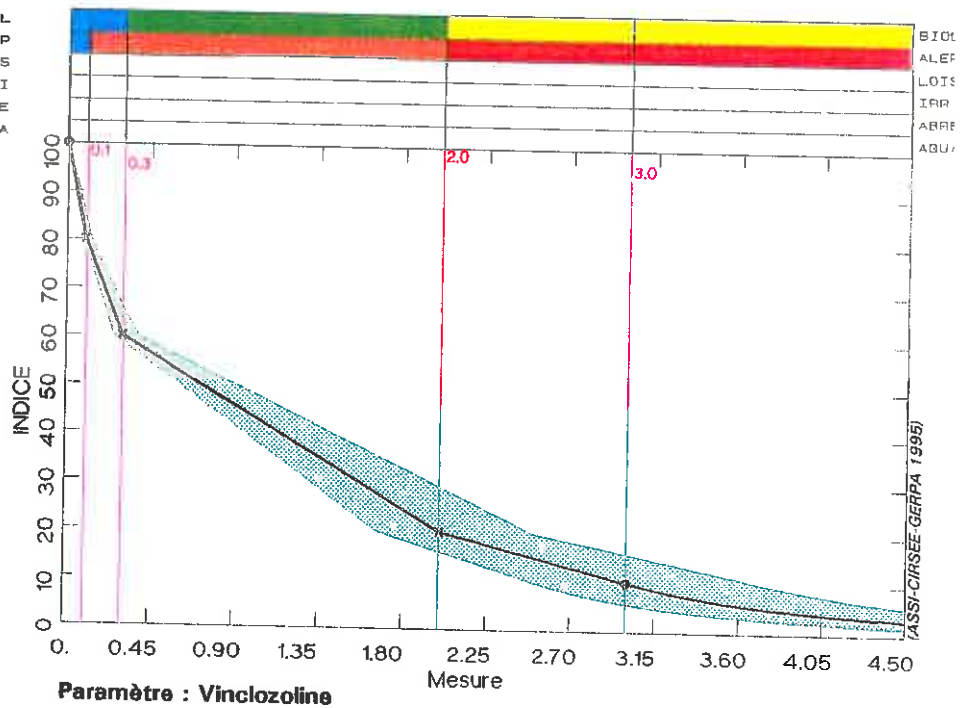
Paramètre : Simazine



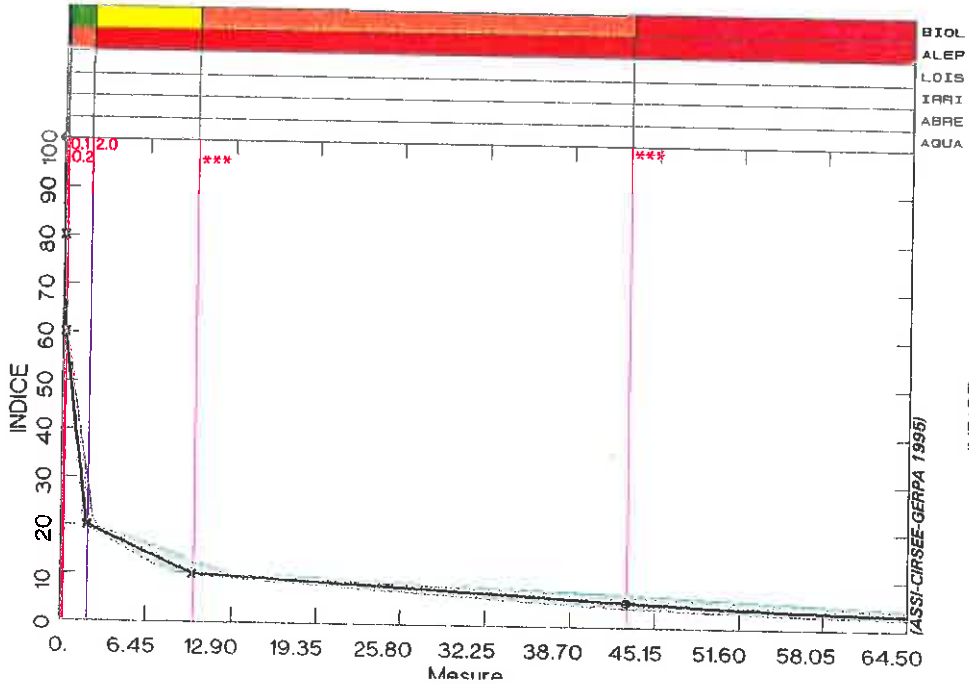
Paramètre : Tebuconazole



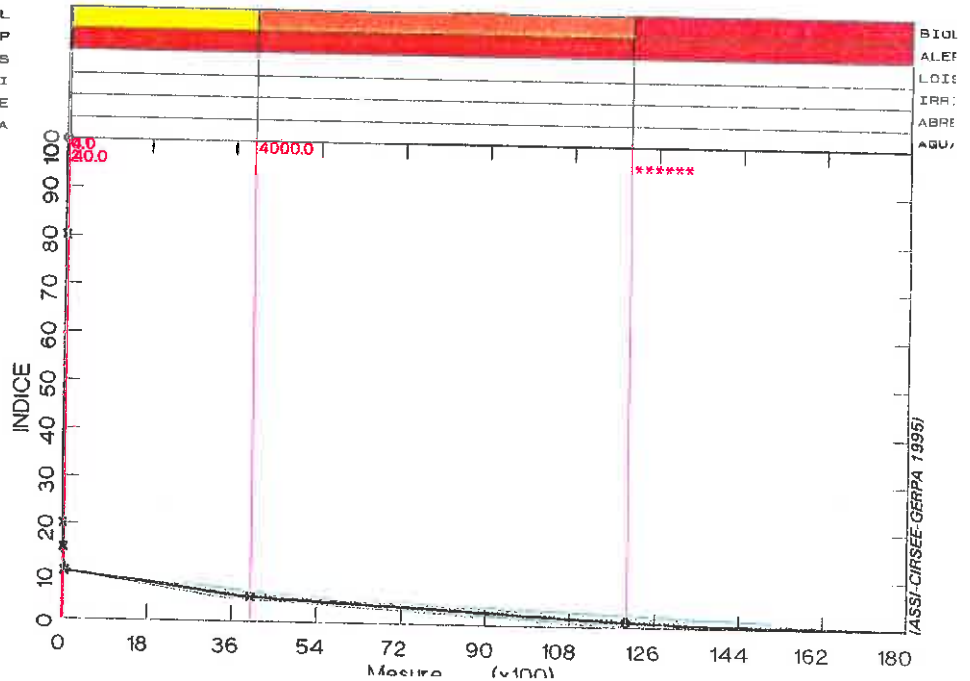
Paramètre : Terbutryne



Paramètre : Trifluraline



Paramètre : Vinclozoline



PESTICIDES (µg/l)

0296 7 0 5 1 1 100 20.0 0. Alachlore

1	0.	100.	1.	1	1	0	0	0	0	
1	0.1	80.	0.	1	4	0	0	0	0	
1	2.	20.	0.	1	5	0	0	0	0	
1	3.	19.	0.	2	5	0	0	0	0	
1	30.	10.	0.	3	5	0	0	0	0	
1	1400.	02.	0.	4	5	0	0	0	0	
1	1425.	01.	1.	5	5	0	0	0	0	

0668 7 0 4 2 1 200 20.0 0. Aldicarbe

1	0.	100.	1.	1	1	0	0	0	0	
1	0.05	80.	0.	2	1	0	0	0	0	
1	0.1	60.	0.	2	4	0	0	0	0	
1	0.5	40.	0.	3	4	0	0	0	0	
1	2.	20.	0.	3	5	0	0	0	0	
1	50.	05.	0.	4	5	0	0	0	0	
3	60.	03.	1.	5	5	0	0	0	0	

0181 7 0 5 3 1 310 20.0 0. Aldrine

1	0.	100.	1.	1	1	0	0	0	0	
1	0.01	80.	0.	2	1	0	0	0	0	
1	0.03	60.	0.	2	3	0	0	0	0	
1	0.1	40.	0.	3	4	0	0	0	0	
1	0.4	20.	0.	3	5	0	0	0	0	
1	1.	10.	0.	4	5	0	0	0	0	
3	8.	2.	1.	5	5	0	0	0	0	

0669 7 0 6 1 1 400 20.0 0. Aminotriazole

1	0.	100.	1.	1	1	0	0	0	0	
1	0.1	80.	0.	1	4	0	0	0	0	
1	2.	20.	0.	1	5	0	0	0	0	
1	38.	19.	0.	2	5	0	0	0	0	
1	380.	15.	0.	3	5	0	0	0	0	
1	3800.	10.	0.	4	5	0	0	0	0	
3	27200.	2.	1.	5	5	0	0	0	0	

0658 7 0 4 1 1 510 20.0 0. Atrazine

1	0.	100.	1.	1	1	0	0	0	0	
1	0.1	80.	0.	1	3	0	0	0	0	
1	0.2	60.	0.	2	3	0	0	0	0	
1	0.5	40.	0.	2	4	0	0	0	0	
1	2.	20.	0.	3	5	0	0	0	0	
1	20.	10.	0.	4	5	0	0	0	0	
3	440.	2.	1.	5	5	0	0	0	0	

0289 7 0 5 3 1 600 20.0 0. Carbendazine

1	0.	100.	1.	1	1	0	0	0	0	
1	0.007	80.	0.	2	1	0	0	0	0	
1	0.07	60.	0.	3	1	0	0	0	0	
1	0.1	40.	0.	3	4	0	0	0	0	
1	2.	20.	0.	3	5	0	0	0	0	
1	7.	10.	0.	4	5	0	0	0	0	
3	100.	2.	1.	5	5	0	0	0	0	

0660 7 0 5 3 1 700 20.0 0. Carbofuran

1	0.	100.	1.	1	1	0	0	0	0	
1	0.015	80.	0.	2	1	0	0	0	0	
1	0.1	70.	0.	2	4	0	0	0	0	
1	0.15	60.	0.	3	4	0	0	0	0	
1	1.5	40.	0.	4	4	0	0	0	0	
1	2.	20.	0.	4	5	0	0	0	0	
3	300.	5.	1.	5	5	0	0	0	0	

0287 7 0 6 1 1 800 20.0 0. Chlorotoluron

1	0.	100.	1.	1	1	0	0	0	0	
1	0.1	80.	0.	1	4	0	0	0	0	
1	1.	40.	0.	2	4	0	0	0	0	
1	2.	20.	0.	2	5	0	0	0	0	
1	10.	15.	0.	3	5	0	0	0	0	
1	24.	10.	0.	4	5	0	0	0	0	
3	3800.	1.	1.	5	5	0	0	0	0	

0170 7 0 5 3 1 900 20.0 0. o,p-DDD

1	0.	100.	1.	1	1	0	0	0	0	
1	0.006	80.	0.	2	1	0	0	0	0	
1	0.06	60.	0.	3	1	0	0	0	0	
1	0.1	40.	0.	3	4	0	0	0	0	
1	0.6	30.	0.	4	4	0	0	0	0	
1	2.	20.	0.	4	5	0	0	0	0	
3	5.2	10.	1.	5	5	0	0	0	0	

0188 7 0 5 3 1 1000 20.0 0. p,p-DDD

1	0.	100.	1.	1	1	0	0	0	0	
1	0.006	80.	0.	2	1	0	0	0	0	
1	0.06	60.	0.	3	1	0	0	0	0	
1	0.1	40.	0.	3	4	0	0	0	0	
1	0.6	30.	0.	4	4	0	0	0	0	
1	2.	20.	0.	4	5	0	0	0	0	
3	5.2	10.	1.	5	5	0	0	0	0	

0654 7 0 3 1 1 1100 20.0 0. o,p-DDE

1	0.	100.	1.	1	1	0	0	0	0	
1	0.1	80.	0.	1	4	0	0	0	0	
1	0.3	60.	0.	2	4	0	0	0	0	
1	2.	20.	0.	2	5	0	0	0	0	
1	3.5	15.	0.	3	5	0	0	0	0	

```
   1        30.          5.          0. 4 5 0 0 0 0 0
   3        34.          4.          1. 5 5 0 0 0 0 0
0186 7 0 5 3 1 1200          20.0          0.  o,p-DDT
   1         0.        100.          1. 1 1 0 0 0 0
   1     0.002         80.          0. 2 1 0 0 0 0
   1      0.02         60.          0. 3 1 0 0 0 0
   1       0.1         50.          0. 3 3 0 0 0 0
   1       0.2         40.          0. 4 4 0 0 0 0
   1       2,4         20.          0. 5 4 0 0 0 0
   3        4.         10.          1. 5 5 0 0 0 0
0185 7 0 6 1 1 1300          20.0          0.  p,p-DDT
   1         0.        100.          1. 1 1 0 0 0 0
   1     0.002         80.          0. 2 1 0 0 0 0
   1      0.02         60.          0. 3 1 0 0 0 0
   1       0.1         50.          0. 3 3 0 0 0 0
   1       0.2         40.          0. 4 4 0 0 0 0
   1       2,4         20.          0. 5 4 0 0 0 0
   3        4.         10.          1. 5 5 0 0 0 0
0391 7 0 6 4 1 1400          20.0          0.  Deltaméthrine
   1         0.        100.          1. 1 1 0 0 0 0
   1    0.0002         80.          0. 2 1 0 0 0 0
   1     0.002         60.          0. 3 1 0 0 0 0
   1      0.02         40.          0. 4 1 0 0 0 0
   1       0.1         30.          0. 4 4 0 0 0 0
   1        2.         20.          0. 4 5 0 0 0 0
   3        4.         10.          1. 5 5 0 0 0 0
0182 8 0 5 3 1 1500          20.0          0.  Dieldrine
   1         0.        100.          1. 1 1 0 0 0 0
   1     0.005         80.          0. 2 1 0 0 0 0
   1      0.03         60.          0. 2 3 0 0 0 0
   1      0.05         50.          0. 3 3 0 0 0 0
   1       0.1         40.          0. 3 4 0 0 0 0
   1       0.4         20.          0. 3 5 0 0 0 0
   1       0,5         15.          0. 4 5 0 0 0 0
   3         6.         5.          1. 5 5 0 0 0 0
0292 7 0 5 3 1 1600          20.0          0.  Dinoterbe
   1         0.        100.          1. 1 1 0 0 0 0
   1     0.003         80.          0. 2 1 0 0 0 0
   1      0.03         60.          0. 3 1 0 0 0 0
   1       0.1         40.          0. 3 4 0 0 0 0
   1       0.3         30.          0. 4 4 0 0 0 0
   1        2.         20.          0. 4 5 0 0 0 0
   3      407.          5.          1. 5 5 0 0 0 0
0451 6 0 4 1 1 1710          20.0          0.  Diuron
   1         0.        100.          1. 1 1 0 0 0 0
   1       0.1         80.          0. 1 4 0 0 0 0
   1       0.2         60.          0. 2 4 0 0 0 0
   1        2.         20.          0. 3 5 0 0 0 0
   1       20.         15.          0. 4 5 0 0 0 0
   3      550.          5.          1. 5 5 0 0 0 0
0195 7 0 4 2 1 1800          20.0          0.  Endosulfan
   1         0.        100.          1. 1 1 0 0 0 0
   1      0.02         80.          0. 2 1 0 0 0 0
   1       0.1         60.          0. 2 4 0 0 0 0
   1       0.2         50.          0. 3 4 0 0 0 0
   1       0.3         40.          0. 4 4 0 0 0 0
   1        2.         20.          0. 4 5 0 0 0 0
   3        7.         10.          1. 5 5 0 0 0 0
0178 7 0 5 3 1 1900          20.0          0.  Endrine
   1         0.        100.          1. 1 1 0 0 1 0
   1     0.003         80.          0. 2 1 0 0 1 0
   1      0.03         60.          0. 3 1 0 0 1 0
   1       0.1         40.          0. 3 4 0 0 1 0
   1       0.2         35.          0. 3 4 0 0 5 0
   1       0.3         30.          0. 4 4 0 0 5 0
   3        2.         20.          1. 5 5 0 0 5 0
0111 7 0 5 1 1 2000          20.0          0.  Flusilazole
   1         0.        100.          1. 1 1 0 0 0 0
   1       0.1         80.          0. 1 4 0 0 0 0
   1        1.         60.          0. 2 4 0 0 0 0
   1        2.         20.          0. 2 5 0 0 0 0
   1       10.         10.          0. 3 5 0 0 0 0
   1     1200.          3.          0. 4 5 0 0 0 0
   3     2000.          1.          1. 5 5 0 0 0 0
0080 7 0 4 2 1 2100          20.0          0.  Glyphosphates
   1         0.        100.          1. 1 1 0 0 0 0
   1      0.04         80.          0. 2 1 0 0 0 0
   1       0.1         60.          0. 2 4 0 0 0 0
   1       0.4         40.          0. 3 4 0 0 0 0
   1        2.         20.          0. 3 5 0 0 0 0
   1        4.         10.          0. 4 5 0 0 0 0
   3      250.          2.          1. 5 5 0 0 0 0
0025 8 0 4 2 1 2210          20.0          0.  g-HCH (lindane)
   1         0.        100.          1. 1 1 0 0 1 0
   1      0.01         80.          0. 2 1 0 0 1 0
   1       0.1         60.          0. 3 3 0 0 1 0
   1       0.2         40.          0. 3 4 0 0 1 0
```

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    1         1.          20.          0. 3 5 0 0 1 0
    1        1,1          19.          0. 4 5 0 0 1 0
    1         4.          10.          0. 4 5 0 0 5 0
    3        22.           5.          1. 5 5 0 0 5 0
0416 7 0 5 1 1 2300              20.0          0.  Iprodione
    1         0.         100.          1. 1 1 0 0 0 0
    1        0.1          80.          0. 1 4 0 0 0 0
    1        0,2          60.          0. 2 4 0 0 0 0
    1         2.          20.          0. 2 5 0 0 0 0
    1        2,5          15.          0. 3 5 0 0 0 0
    1        250.          5.          0. 4 5 0 0 0 0
    3       1000.          2.          1. 5 5 0 0 0 0
0176 3 0 3 1 1 2400              20.0          0.  Isodrine
    1         0.         100.          1. 0 1 0 0 0 0
    1        0,1          80.          0. 0 4 0 0 0 0
    3         2.          20.          1. 0 5 0 0 0 0
0288 6 0 4 1 1 2500              20.0          0.  Isoproturon
    1         0.         100.          1. 1 1 0 0 0 0
    1        0.1          80.          0. 1 4 0 0 0 0
    1        0.2          60.          0. 2 4 0 0 0 0
    1         2.          20.          0. 3 5 0 0 0 0
    1        20.          15.          0. 4 5 0 0 0 0
    3       980.           3.          1. 5 5 0 0 0 0
0656 7 0 4 1 1 2600              20.0          0.  Linuron
    1         0.         100.          1. 1 1 0 0 0 0
    1        0.1          80.          0. 1 4 0 0 0 0
    1        0.5          60.          0. 2 4 0 0 0 0
    1         2.          20.          0. 2 5 0 0 0 0
    1         5.          15.          0. 3 5 0 0 0 0
    1        50.          10.          0. 4 5 0 0 0 0
    3       360.           2.          1. 5 5 0 0 0 0
0672 7 0 5 1 1 2700              20.0          0.  Mancozèbe
    1         0.         100.          1. 1 1 0 0 0 0
    1        0,1          80.          0. 1 4 0 0 0 0
    1         1.          60.          0. 2 4 0 0 0 0
    1         2.          20.          0. 2 5 0 0 0 0
    1        10.          15.          0. 3 5 0 0 0 0
    1      1100.           5.          0. 4 5 0 0 0 0
    3      1600.           3.          1. 5 5 0 0 0 0
0295 3 0 3 1 1 2800              20.0          0.  Mécoprop
    1         0.         100.          1. 0 1 0 0 0 0
    1        0.1          80.          0. 0 4 0 0 0 0
    3         1.          20.          1. 0 5 0 0 0 0
0662 7 0 7 5 1 2900              20.0          0.  Parathion éthyl
    1         0.         100.          1. 1 1 0 0 0 0
    1    0.00003          80.          0. 2 1 0 0 0 0
    1     0.0003          60.          0. 3 1 0 0 0 0
    1       0.03          40.          0. 4 1 0 0 0 0
    1        0.1          30.          0. 4 4 0 0 0 0
    1         2.          20.          0. 4 5 0 0 0 0
    3        17.           5.          1. 5 5 0 0 0 0
0661 7 0 5 3 1 3000              20.0          0.  Parathion méthyl
    1         0.         100.          1. 1 1 0 0 1 0
    1      0.002          80.          0. 2 1 0 0 1 0
    1       0.02          60.          0. 3 1 0 0 1 0
    1        0.1          40.          0. 3 4 0 0 1 0
    1         2.          20.          0. 4 5 0 0 1 0
    1         7.          15.          0. 4 5 0 0 5 0
    3        80.           5.          1. 5 5 0 0 5 0
0229 6 0 4 2 1 3100              20.0          0.  Total Parathion
    1         0.         100.          1. 0 1 0 0 1 0
    1      0.05           80.          0. 0 2 0 0 1 0
    1       0.1           60.          0. 0 3 0 0 1 0
    1       0.2           40.          0. 0 4 0 0 1 0
    1         2.          20.          0. 0 5 0 0 1 0
    3        35.           5.          1. 0 5 0 0 5 0
0659 9 0 4 2 1 3210              20.0          0.  Simazine
    1         0.         100.          1. 1 1 0 1 0 0
    1       0.02          80.          0. 2 1 0 1 0 0
    1        0.1          60.          0. 2 3 0 1 0 0
    1       0.15          50.          0. 2 3 0 5 0 0
    1        0.2          40.          0. 3 3 0 5 0 0
    1        0.5          30.          0. 3 4 0 5 0 0
    1         2.          20.          0. 3 5 0 5 0 0
    1        2.2          18           0. 4 5 0 5 0 0
    3       200.           3.          1. 5 5 0 5 0 0
0667 7 0 5 1 1 3300              20.0          0.  Tebuconazole
    1         0.         100.          1. 1 1 0 0 0 0
    1        0.1          80.          0. 1 4 0 0 0 0
    1         1.          60.          0. 2 4 0 0 0 0
    1         2.          20.          0. 2 5 0 0 0 0
    1        10.          15.          0. 3 5 0 0 0 0
    1       110.          10.          0. 4 5 0 0 0 0
    3      2000.           2.          1. 5 5 0 0 0 0
0222 5 0 3 1 1 3400              20.0          0.  Terbutryne
    1         0.         100.          1. 1 1 0 0 0 0
    1        0.1          80.          0. 1 4 0 0 0 0
```

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   1         0.3          60.          0. 2 4 0 0 0 0
   1          2.          20.          0. 3 5 0 0 0 0
   3          3.          10.          1. 3 5 0 0 0 0
0657 6 0 3 1 1 3510          20.0             0.  Trifluraline
   1          0.         100.          1. 1 1 0 0 0 0
   1         0.1          80.          0. 1 4 0 0 0 0
   1         0.2          60.          0. 2 4 0 0 0 0
   1          2.          20.          0. 3 5 0 0 0 0
   1         10.          10.          0. 4 5 0 0 0 0
   3         43.           5.          0. 5 5 0 0 0 0
0429 7 0 6 1 1 3600          20.0             0.  Vinclozoline
   1          0.         100.          1. 1 1 0 0 0 0
   1         0.1          80.          0. 1 4 0 0 0 0
   1          2.          20.          0. 1 5 0 0 0 0
   1          4.          15.          0. 2 5 0 0 0 0
   1         40.          10.          0. 3 5 0 0 0 0
   1       4000.           5.          0. 4 5 0 0 0 0
   3      12000.           1.          1. 5 5 0 0 0 0
```

PESTICIDES (µg/l)

```
0296   7   0   5   1   1  100   20.0000      0.0000  Alachlore
   1       0.0 -200.00        100.00      1 1 0 0 0 0
   1       0.1 -31.579        83.158      1 4 0 0 0 0
   1       2.0 -1.0000        22.000      1 5 0 0 0 0
   1       3.0-0.33333        20.000      2 5 0 0 0 0
   1      30.0-0.58394E-02    10.175      3 5 0 0 0 0
   1    1400.0-0.40000E-01    58.000      4 5 0 0 0 0
   1    1425.0 0.70175E-03 0.00000E+00 5 5 0 0 0 0
0668   7   0   4   2   1  200   20.0000      0.0000  Aldicarbe
   1       0.00 -400.00       100.00      1 1 0 0 0 0
   1       0.05 -400.00       100.00      2 1 0 0 0 0
   1       0.10 -50.000       65.000      2 4 0 0 0 0
   1       0.50 -13.333       46.667      3 4 0 0 0 0
   1       2.00-0.31250       20.625      3 5 0 0 0 0
   1      50.00-0.20000       15.000      4 5 0 0 0 0
   3      60.00 0.38880E+08 -4.0000      5 5 0 0 0 0
0181   7   0   5   3   1  310   20.0000      0.0000  Aldrine
   1       0.000 -2000.0      100.00      1 1 0 0 0 0
   1       0.010 -1000.0      90.000      2 1 0 0 0 0
   1       0.030 -285.71      68.571      2 3 0 0 0 0
   1       0.100 -66.667      46.667      3 4 0 0 0 0
   1       0.400 -16.667      26.667      3 5 0 0 0 0
   1       1.000 -1.1429      11.143      4 5 0 0 0 0
   3       8.000  26881.     -4.5714      5 5 0 0 0 0
0669   7   0   6   1   1  400   20.0000      0.0000  Aminotriazole
   1       0.0 -200.00        100.00      1 1 0 0 0 0
   1       0.1 -31.579        83.158      1 4 0 0 0 0
   1       2.0-0.27778E-01    20.056      1 5 0 0 0 0
   1      38.0-0.11696E-01    19.444      2 5 0 0 0 0
   1     380.0-0.14620E-02    15.556      3 5 0 0 0 0
   1    3800.0-0.34188E-03    11.299      4 5 0 0 0 0
   3   27200.0 0.83154E+21 -4.6496      5 5 0 0 0 0
0658   7   0   4   1   1  510   20.0000      0.0000  Atrazine
   1       0.0 -200.00        100.00      1 1 0 0 0 0
   1       0.1 -200.00        100.00      1 3 0 0 0 0
   1       0.2 -66.667        73.333      2 3 0 0 0 0
   1       0.5 -13.333        46.667      2 4 0 0 0 0
   1       2.0-0.55556        21.111      3 5 0 0 0 0
   1      20.0-0.19048E-01    10.381      4 5 0 0 0 0
   3     440.0 0.23898E+12 -4.1905      5 5 0 0 0 0
0289   7   0   5   3   1  600   20.0000      0.0000  Carbendazine
   1       0.000 -2857.1      100.00      1 1 0 0 0 0
   1       0.007 -317.46      82.222      2 1 0 0 0 0
   1       0.070 -666.67      106.67      3 1 0 0 0 0
   1       0.100 -10.526      41.053      3 4 0 0 0 0
   1       2.000 -2.0000      24.000      3 5 0 0 0 0
   1       7.000-0.86022E-01  10.602      4 5 0 0 0 0
   3     100.000 0.80017E+09 -4.3011      5 5 0 0 0 0
0660   7   0   5   3   1  700   20.0000      0.0000  Carbofuran
   1       0.000 -1333.3      100.00      1 1 0 0 0 0
   1       0.015 -117.65      81.765      2 1 0 0 0 0
   1       0.100 -200.00      90.000      2 4 0 0 0 0
   1       0.150 -14.815      62.222      3 4 0 0 0 0
   1       1.500 -40.000      100.00      4 4 0 0 0 0
   1       2.000-0.50336E-01  20.101      4 5 0 0 0 0
   3     300.000 0.15143E+09 -3.0201      5 5 0 0 0 0
0287   7   0   6   1   1  800   20.0000      0.0000  Chlorotoluron
   1       0.0 -200.00        100.00      1 1 0 0 0 0
   1       0.1 -44.444        84.444      1 4 0 0 0 0
   1       1.0 -20.000        60.000      2 4 0 0 0 0
   1       2.0-0.62500        21.250      2 5 0 0 0 0
   1      10.0-0.35714        18.571      3 5 0 0 0 0
   1      24.0-0.23835E-02    10.057      4 5 0 0 0 0
   3    3800.0 0.26475E+33 -9.0572      5 5 0 0 0 0
0170   7   0   5   3   1  900   20.0000      0.0000  o,p-DDD
   1       0.000 -3333.3      100.00      1 1 0 0 0 0
   1       0.006 -370.37      82.222      2 1 0 0 0 0
   1       0.060 -500.00      90.000      3 1 0 0 0 0
   1       0.100 -20.000      42.000      3 4 0 0 0 0
   1       0.600 -7.1429      34.286      4 4 0 0 0 0
   1       2.000 -3.1250      26.250      4 5 0 0 0 0
   3       5.200  145.72     -1.6250      5 5 0 0 0 0
0188   7   0   5   3   1 1000   20.0000      0.0000  p,p-DDD
   1       0.000 -3333.3      100.00      1 1 0 0 0 0
   1       0.006 -370.37      82.222      2 1 0 0 0 0
   1       0.060 -500.00      90.000      3 1 0 0 0 0
   1       0.100 -20.000      42.000      3 4 0 0 0 0
   1       0.600 -7.1429      34.286      4 4 0 0 0 0
   1       2.000 -3.1250      26.250      4 5 0 0 0 0
   3       5.200  145.72     -1.6250      5 5 0 0 0 0
0654   7   0   3   1   1 1100   20.0000      0.0000  o,p-DDE
   1       0.0 -200.00        100.00      1 1 0 0 0 0
   1       0.1 -100.00        90.000      1 4 0 0 0 0
   1       0.3 -23.529        67.059      2 4 0 0 0 0
   1       2.0 -3.3333        26.667      2 5 0 0 0 0
   1       3.5-0.37736        16.321      3 5 0 0 0 0
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   1       30.0-0.25000       12.500      4 5 0 0 0 0
   3       34.0  7185.4      -2.1250     5 5 0 0 0 0
0186   7    0    5    3    1 1200   20.0000      0.0000  o,p-DDT
   1      0.000 -10000.       100.00      1 1 0 0 0 0
   1      0.002 -1111.1       82.222      2 1 0 0 0 0
   1      0.020 -125.00       62.500      3 1 0 0 0 0
   1      0.100 -100.00       60.000      3 3 0 0 0 0
   1      0.200 -9.0909       41.818      4 4 0 0 0 0
   1      2.400 -6.2500       35.000      5 4 0 0 0 0
   3      4.000  320.00      -2.5000     5 5 0 0 0 0
0185   7    0    6    1    1 1300   20.0000      0.0000  p,p-DDT
   1        0.0 -10000.       100.00      1 1 0 0 0 0
   1        0.0 -1111.1       82.222      2 1 0 0 0 0
   1        0.0 -125.00       62.500      3 1 0 0 0 0
   1        0.1 -100.00       60.000      3 3 0 0 0 0
   1        0.2 -9.0909       41.818      4 4 0 0 0 0
   1        2.4 -6.2500       35.000      5 4 0 0 0 0
   3        4.0  320.00      -2.5000     5 5 0 0 0 0
0391   7    0    6    4    1 1400   20.0000      0.0000  Deltaméthrine
   1     0.0000-0.10000E+06   100.00      1 1 0 0 0 0
   1     0.0002 -11111.       82.222      2 1 0 0 0 0
   1     0.0020 -1111.1       62.222      3 1 0 0 0 0
   1     0.0200 -125.00       42.500      4 1 0 0 0 0
   1     0.1000 -5.2632       30.526      4 4 0 0 0 0
   1     2.0000 -5.0000       30.000      4 5 0 0 0 0
   3     4.0000  160.00      -2.0000     5 5 0 0 0 0
0182   8    0    5    3    1 1500   20.0000      0.0000  Dieldrine
   1      0.000 -4000.0       100.00      1 1 0 0 0 0
   1      0.005 -800.00       84.000      2 1 0 0 0 0
   1      0.030 -500.00       75.000      2 3 0 0 0 0
   1      0.050 -200.00       60.000      3 3 0 0 0 0
   1      0.100 -66.667       46.667      3 4 0 0 0 0
   1      0.400 -50.000       40.000      3 5 0 0 0 0
   1      0.500 -1.8182       15.909      4 5 0 0 0 0
   3      6.000  249.32      -2.1818     5 5 0 0 0 0
0292   7    0    5    3    1 1600   20.0000      0.0000  Dinoterbe
   1      0.000 -6666.7       100.00      1 1 0 0 0 0
   1      0.003 -740.74       82.222      2 1 0 0 0 0
   1      0.030 -285.71       68.571      3 1 0 0 0 0
   1      0.100 -50.000       45.000      3 4 0 0 0 0
   1      0.300 -5.8824       31.765      4 4 0 0 0 0
   1      2.000-0.37037E-01   20.074      4 5 0 0 0 0
   3    407.000 0.36848E+09 -3.0148      5 5 0 0 0 0
0451   6    0    4    1    1 1710   20.0000      0.0000  Diuron
   1        0.0 -200.00       100.00      1 1 0 0 0 0
   1        0.1 -200.00       100.00      1 4 0 0 0 0
   1        0.2 -22.222       64.444      2 4 0 0 0 0
   1        2.0-0.27778       20.556      3 5 0 0 0 0
   1       20.0-0.18868E-01   15.377      4 5 0 0 0 0
   3      550.0 0.24351E+07 -2.0755      5 5 0 0 0 0
0195   7    0    4    2    1 1800   20.0000      0.0000  Endosulfan
   1       0.00 -1000.0       100.00      1 1 0 0 0 0
   1       0.02 -250.00       85.000      2 1 0 0 0 0
   1       0.10 -100.00       70.000      2 4 0 0 0 0
   1       0.20 -100.00       70.000      3 4 0 0 0 0
   1       0.30 -11.765       43.529      4 4 0 0 0 0
   1       2.00 -2.0000       24.000      4 5 0 0 0 0
   3       7.00  152.45      -1.4000     5 5 0 0 0 0
0178   7    0    5    3    1 1900   20.0000      0.0000  Endrine
   1      0.000 -6666.7       100.00      1 1 0 0 1 0
   1      0.003 -740.74       82.222      2 1 0 0 1 0
   1      0.030 -285.71       68.571      3 1 0 0 1 0
   1      0.100 -50.000       45.000      3 4 0 0 1 0
   1      0.200 -50.000       45.000      3 4 0 0 5 0
   1      0.300 -5.8824       31.765      4 4 0 0 5 0
   3      2.000  30.068     -0.58824      5 5 0 0 5 0
0411   7    0    5    1    1 2000   20.0000      0.0000  Flusilazole
   1        0.0 -200.00       100.00      1 1 0 0 0 0
   1        0.1 -22.222       82.222      1 4 0 0 0 0
   1        1.0 -40.000       100.00      2 4 0 0 0 0
   1        2.0 -1.2500       22.500      2 5 0 0 0 0
   1       10.0-0.58824E-02   10.059      3 5 0 0 0 0
   1     1200.0-0.25000E-02   6.0000      4 5 0 0 0 0
   3     2000.0 0.32000E+17 -5.0000      5 5 0 0 0 0
0480   7    0    4    2    1 2100   20.0000      0.0000  Glyphosphates
   1       0.00 -500.00       100.00      1 1 0 0 0 0
   1       0.04 -333.33       93.333      2 1 0 0 0 0
   1       0.10 -66.667       66.667      2 4 0 0 0 0
   1       0.40 -12.500       45.000      3 4 0 0 0 0
   1       2.00 -5.0000       30.000      3 5 0 0 0 0
   1       4.00-0.32520E-01   10.130      4 5 0 0 0 0
   3     250.00 0.11188E+11 -4.0650      5 5 0 0 0 0
0125   8    0    4    2    1 2210   20.0000      0.0000  g-HCH (lindane)
   1       0.00 -2000.0       100.00      1 1 0 0 1 0
   1       0.01 -222.22       82.222      2 1 0 0 1 0
   1       0.10 -200.00       80.000      3 3 0 0 1 0
   1       0.20 -25.000       45.000      3 4 0 0 1 0
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   1      1.00 -10.000       30.000      3 5 0 0 1 0
   1      1.10 -3.1034       22.414      4 5 0 0 1 0
   1      4.00-0.27778       11.111      4 5 0 0 5 0
   3     22.00  218.63      -1.2222      5 5 0 0 5 0
0416   7   0   5   1   1 2300   20.0000      0.0000  Iprodione
   1       0.0 -200.00        100.00      1 1 0 0 0 0
   1       0.1 -200.00        100.00      1 4 0 0 0 0
   1       0.2 -22.222        64.444      2 4 0 0 0 0
   1       2.0 -10.000        40.000      2 5 0 0 0 0
   1       2.5-0.40404E-01    15.101      3 5 0 0 0 0
   1     250.0-0.40000E-02    6.0000      4 5 0 0 0 0
   3    1000.0 0.20000E+07 -2.0000       5 5 0 0 0 0
0176   3   0   3   1   1 2400   20.0000      0.0000  Isodrine
   1       0.0 -200.00        100.00      0 1 0 0 0 0
   1       0.1 -31.579        83.158      0 4 0 0 0 0
   3       2.0  178.51       -3.1579      0 5 0 0 0 0
0288   6   0   4   1   1 2500   20.0000      0.0000  Isoproturon
   1       0.0 -200.00        100.00      1 1 0 0 0 0
   1       0.1 -200.00        100.00      1 4 0 0 0 0
   1       0.2 -22.222        64.444      2 4 0 0 0 0
   1       2.0-0.27778        20.556      3 5 0 0 0 0
   1      20.0-0.12500E-01    15.250      4 5 0 0 0 0
   3     980.0 0.49124E+13 -4.0833        5 5 0 0 0 0
0656   7   0   4   1   1 2600   20.0000      0.0000  Linuron
   1       0.0 -200.00        100.00      1 1 0 0 0 0
   1       0.1 -50.000        85.000      1 4 0 0 0 0
   1       0.5 -26.667        73.333      2 4 0 0 0 0
   1       2.0 -1.6667        23.333      2 5 0 0 0 0
   1       5.0-0.11111        15.556      3 5 0 0 0 0
   1      50.0-0.25806E-01    11.290      4 5 0 0 0 0
   3     360.0 0.14978E+13 -4.6452        5 5 0 0 0 0
0672   7   0   5   1   1 2700   20.0000      0.0000  Mancozèbe
   1       0.0 -200.00        100.00      1 1 0 0 0 0
   1       0.1 -22.222        82.222      1 4 0 0 0 0
   1       1.0 -40.000        100.00      2 4 0 0 0 0
   1       2.0-0.62500        21.250      2 5 0 0 0 0
   1      10.0-0.91743E-02    15.092      3 5 0 0 0 0
   1    1100.0-0.40000E-02    9.4000      4 5 0 0 0 0
   3    1600.0 0.20539E+08 -2.1333       5 5 0 0 0 0
0295   3   0   3   1   1 2800   20.0000      0.0000  Mécoprop
   1       0.0 -200.00        100.00      0 1 0 0 0 0
   1       0.1 -66.667        86.667      0 4 0 0 0 0
   3       1.0  20.000       -3.3333      0 5 0 0 0 0
0662   7   0   7   5   1 2900   20.0000      0.0000  Parathion éthyl
   1 0.00000-0.66667E+06    100.00      1 1 0 0 0 0
   1 0.00003 -74074.        82.222      2 1 0 0 0 0
   1 0.00030 -673.40        60.202      3 1 0 0 0 0
   1 0.03000 -142.86        44.286      4 1 0 0 0 0
   1 0.10000 -5.2632        30.526      4 4 0 0 0 0
   1 2.00000 -1.0000        22.000      4 5 0 0 0 0
   3 17.00000  76295.       -3.4000      5 5 0 0 0 0
0661   7   0   5   3   1 3000   20.0000      0.0000  Parathion méthyl
   1     0.000 -10000.        100.00      1 1 0 0 1 0
   1     0.002 -1111.1        82.222      2 1 0 0 1 0
   1     0.020 -250.00        65.000      3 1 0 0 1 0
   1     0.100 -10.526        41.053      3 4 0 0 1 0
   1     2.000 -1.0000        22.000      4 5 0 0 1 0
   1     7.000-0.13699        15.959      4 5 0 0 5 0
   3    80.000  74153.       -2.1918      5 5 0 0 5 0
0229   6   0   4   2   1 3100   20.0000      0.0000  Total Parathion
   1      0.00 -400.00        100.00      0 1 0 0 1 0
   1      0.05 -400.00        100.00      0 2 0 0 1 0
   1      0.10 -200.00        80.000      0 3 0 0 1 0
   1      0.20 -11.111        42.222      0 4 0 0 1 0
   1      2.00-0.45455        20.909      0 5 0 0 1 0
   3     35.00 0.40918E+06 -3.1818        0 5 0 0 5 0
0659   9   0   4   2   1 3210   20.0000      0.0000  Simazine
   1      0.00 -1000.0        100.00      1 1 0 1 0 0
   1      0.02 -250.00        85.000      2 1 0 1 0 0
   1      0.10 -200.00        80.000      2 3 0 1 0 0
   1      0.15 -200.00        80.000      2 3 0 5 0 0
   1      0.20 -33.333        46.667      3 3 0 5 0 0
   1      0.50 -6.6667        33.333      3 4 0 5 0 0
   1      2.00 -10.000        40.000      3 5 0 5 0 0
   1      2.20-0.75834E-01    18.167      4 5 0 5 0 0
   3    200.00 0.12889E+13 -5.0556        5 5 0 5 0 0
0667   7   0   5   1   1 3300   20.0000      0.0000  Tebuconazole
   1       0.0 -200.00        100.00      1 1 0 0 0 0
   1       0.1 -22.222        82.222      1 4 0 0 0 0
   1       1.0 -40.000        100.00      2 4 0 0 0 0
   1       2.0-0.62500        21.250      2 5 0 0 0 0
   1      10.0-0.50000E-01    15.500      3 5 0 0 0 0
   1     110.0-0.42328E-02    10.466      4 5 0 0 0 0
   3    2000.0 0.18778E+15 -4.2328        5 5 0 0 0 0
0222   5   0   3   1   1 3400   20.0000      0.0000  Terbutryne
   1       0.0 -200.00        100.00      1 1 0 0 0 0
   1       0.1 -100.00        90.000      1 4 0 0 0 0
```

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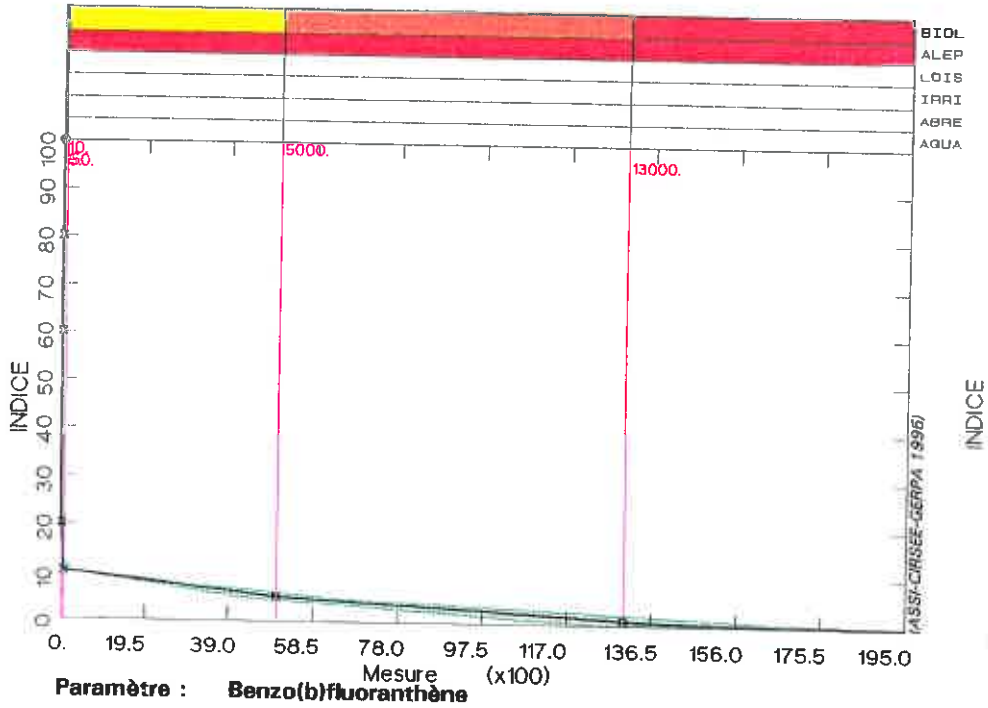
   1        0.3 -23.529       67.059     2 4 0 0 0 0
   1        2.0 -10.000       40.000     3 5 0 0 0 0
   3        3.0  270.00      -3.0000     3 5 0 0 0 0
0657   6    0    3    1    1 3510    20.0000      0.0000  Trifluraline
   1        0.0 -200.00       100.00     1 1 0 0 0 0
   1        0.1 -200.00       100.00     1 4 0 0 0 0
   1        0.2 -22.222       64.444     2 4 0 0 0 0
   1        2.0 -1.2500       22.500     3 5 0 0 0 0
   1       10.0-0.15152       11.515     4 5 0 0 0 0
   3       43.0  672.09      -1.3030     5 5 0 0 0 0
0429   7    0    6    1    1 3600    20.0000      0.0000  Vinclozoline
   1        0.0 -200.00       100.00     1 1 0 0 0 0
   1        0.1 -31.579       83.158     1 4 0 0 0 0
   1        2.0 -2.5000       25.000     1 5 0 0 0 0
   1        4.0-0.13889       15.556     2 5 0 0 0 0
   1       40.0-0.12626E-02   10.051     3 5 0 0 0 0
   1     4000.0-0.50000E-03   7.0000     4 5 0 0 0 0
   3    12000.0 0.29860E+25  -6.0000     5 5 0 0 0 0
```

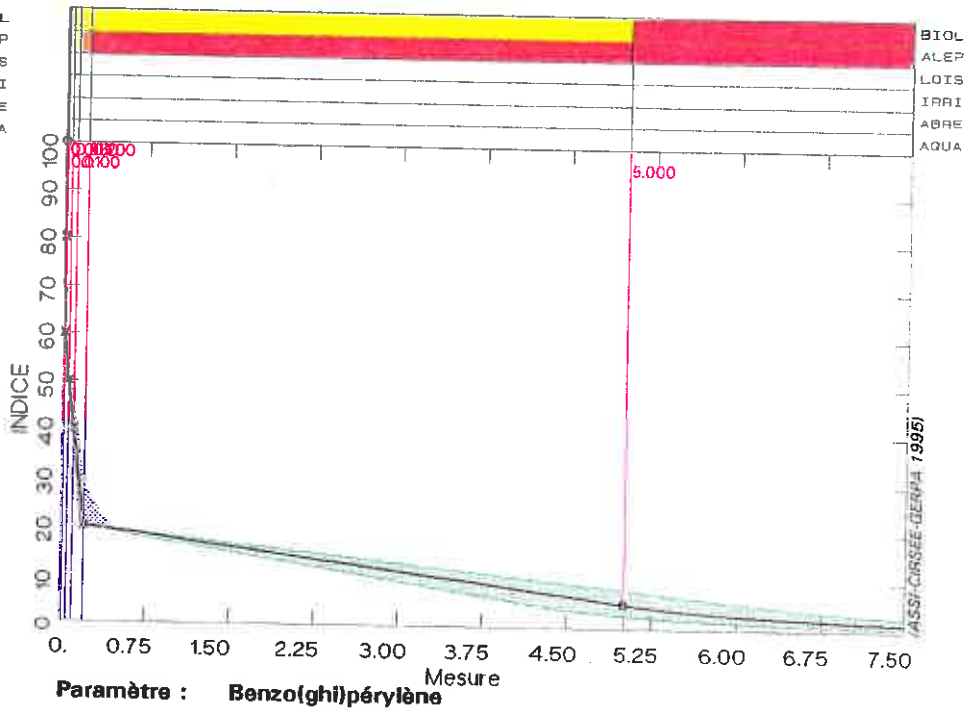
Altération Micropolluants organiques hors pesticides

Altération : MICROPOLLUANTS ORGANIQUES HORS PESTICIDES (µg/l)

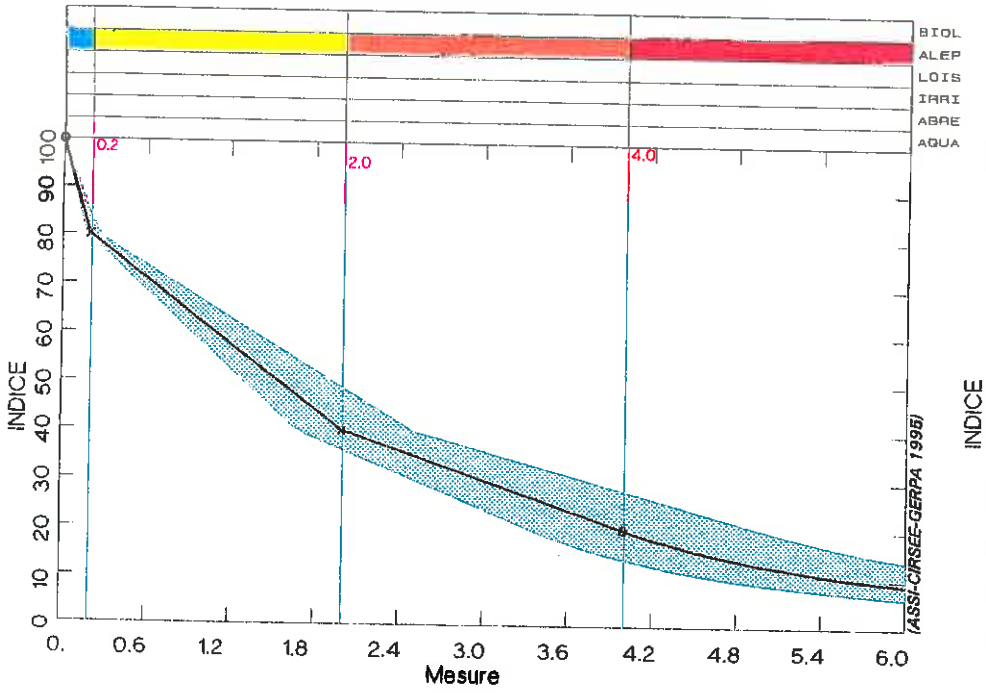
Paramètre : Benzène



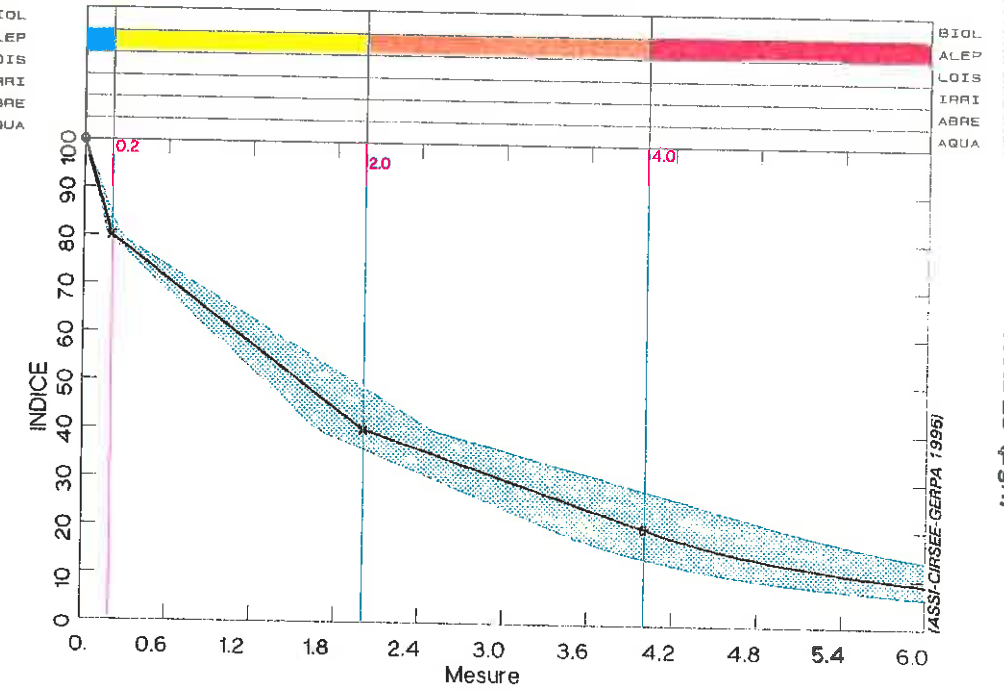
Paramètre : Benzo(a)pyrène



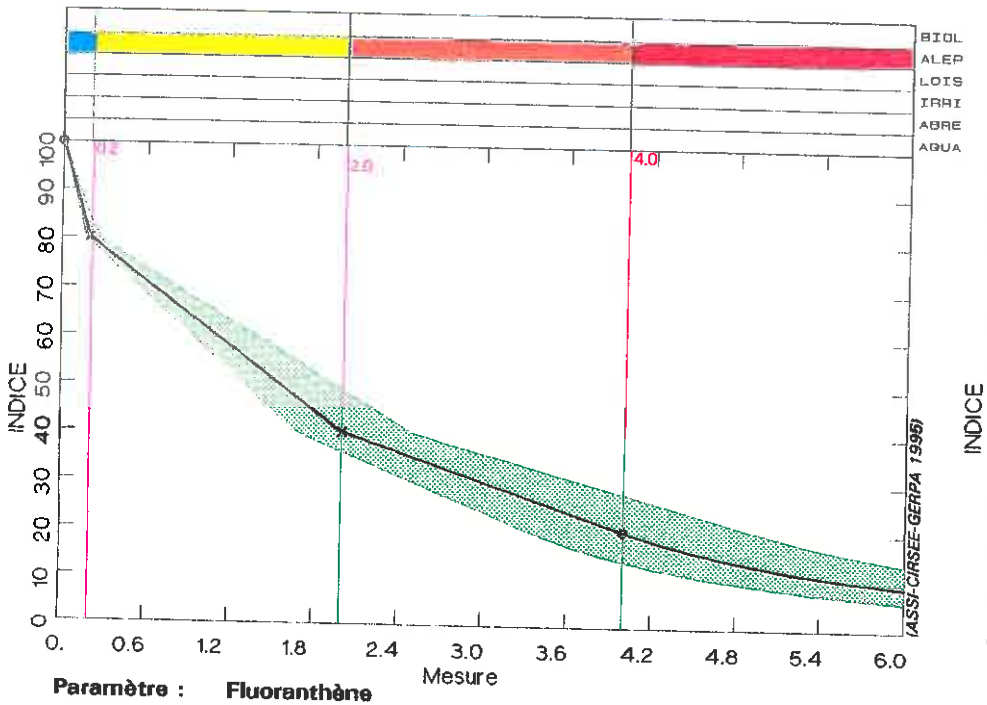
Paramètre : Benzo(b)fluoranthène



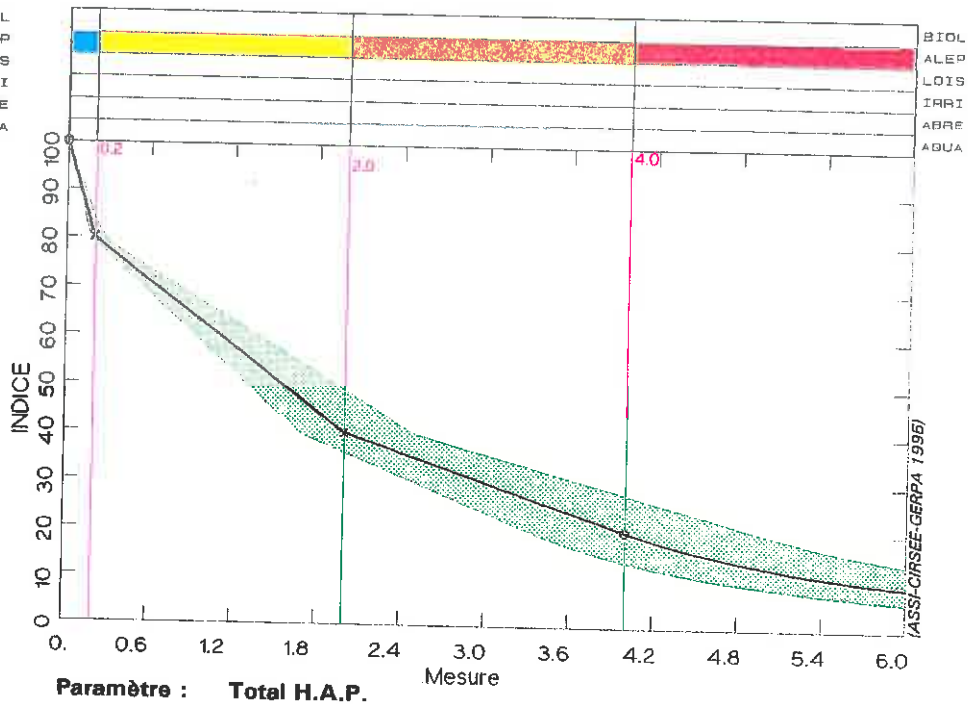
Paramètre : Benzo(ghi)pérylène



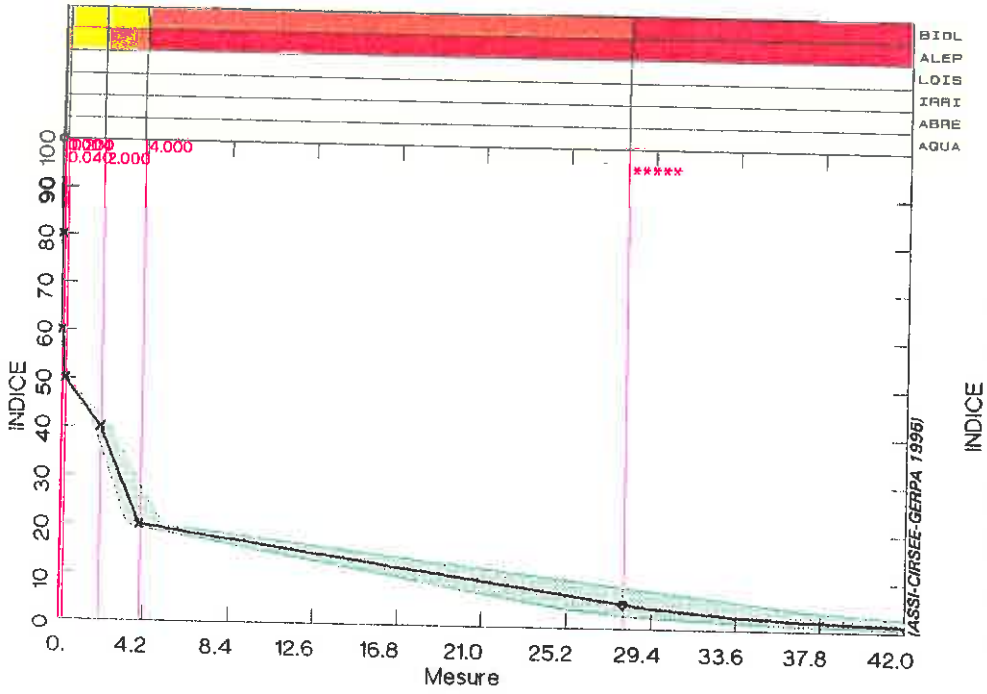
Paramètre : Benzo(k) fluoranthène



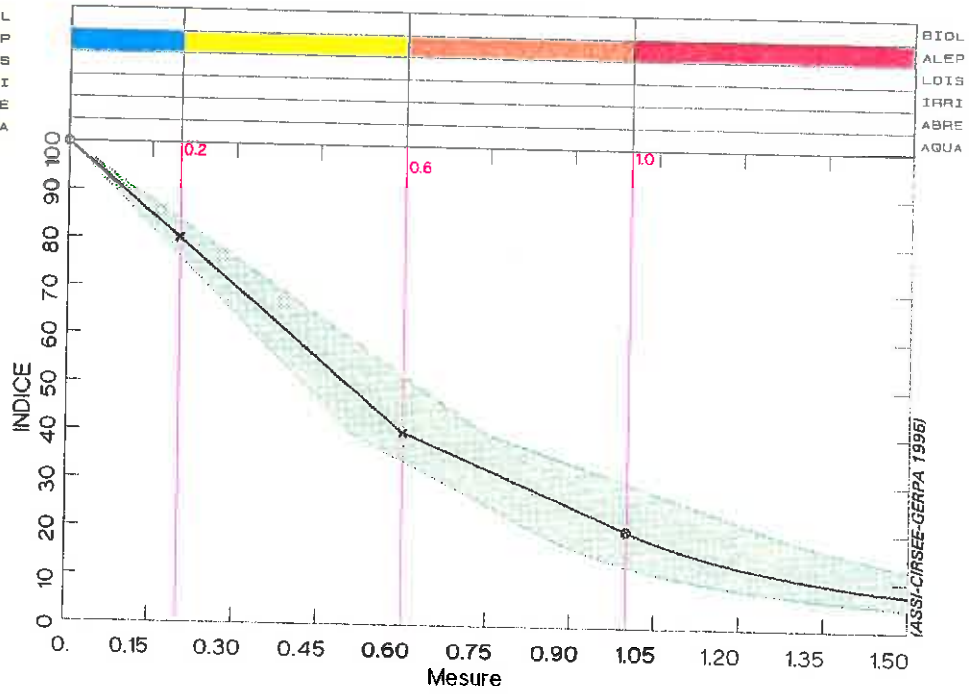
Paramètre : Indeno(1,2,3cd)pyrène



Paramètre : Fluoranthène



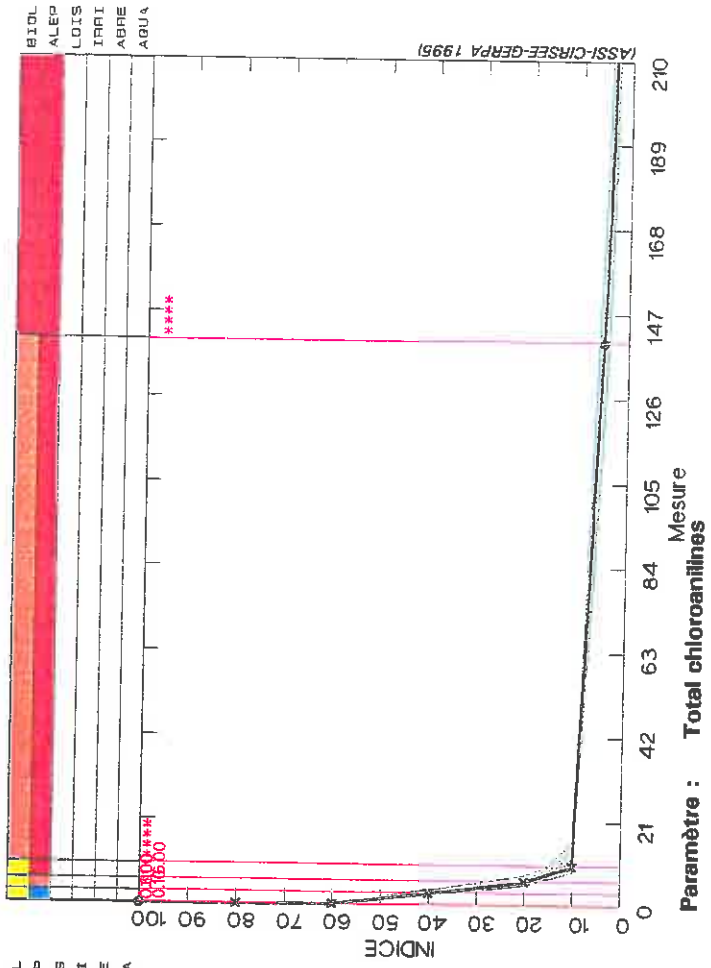
Paramètre : Total H.A.P.



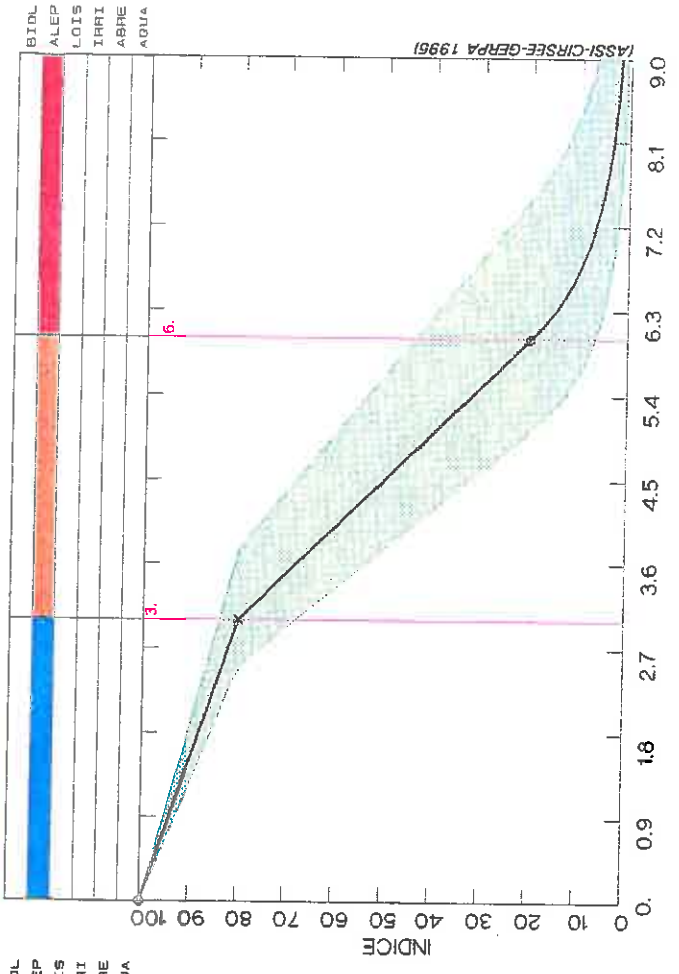
Altération : MICROPOLLUANTS ORGANIQUES HORS PESTICIDES (µg/l)

Altération : MICROPOLLUANTS ORGANIQUES HORS PESTICIDES (µg/l)

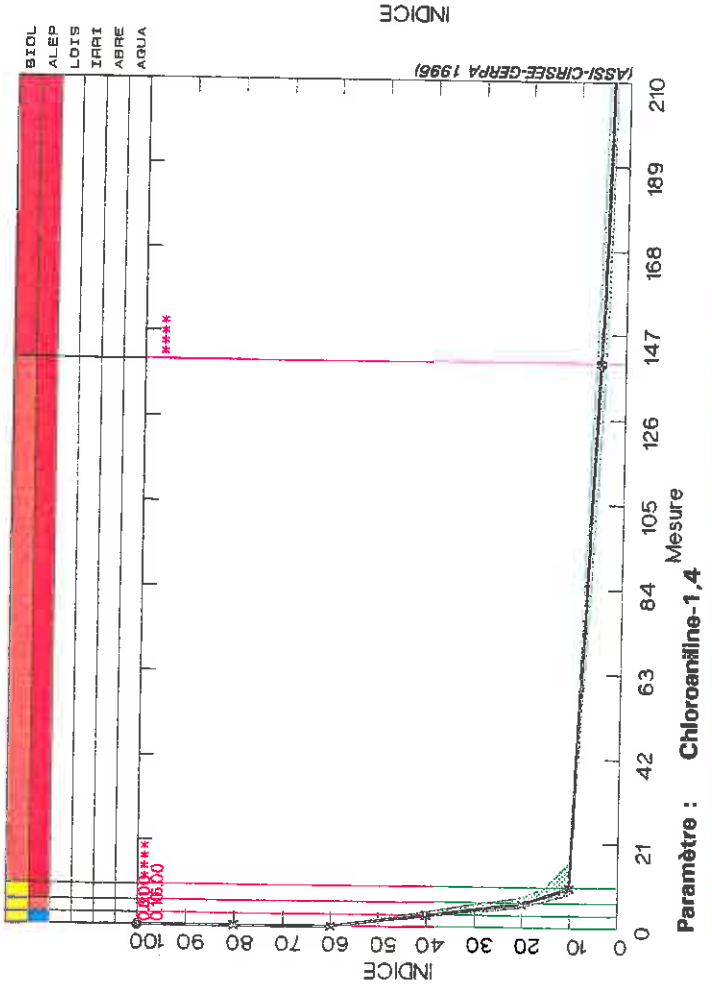
Paramètre : Chloroaniline-1,3



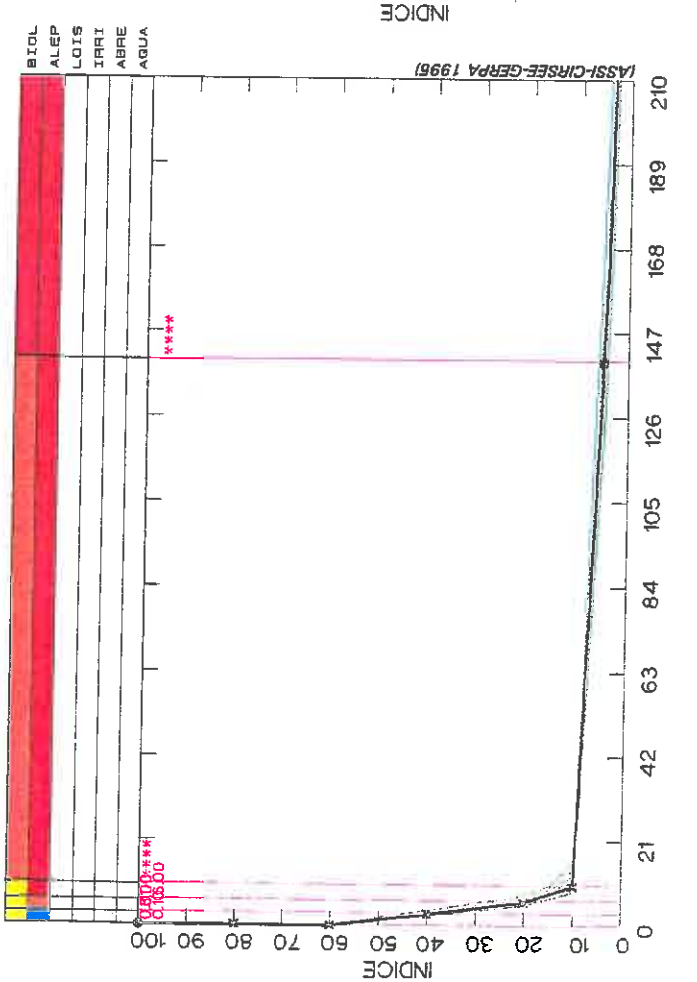
Paramètre : Total chloroanilines



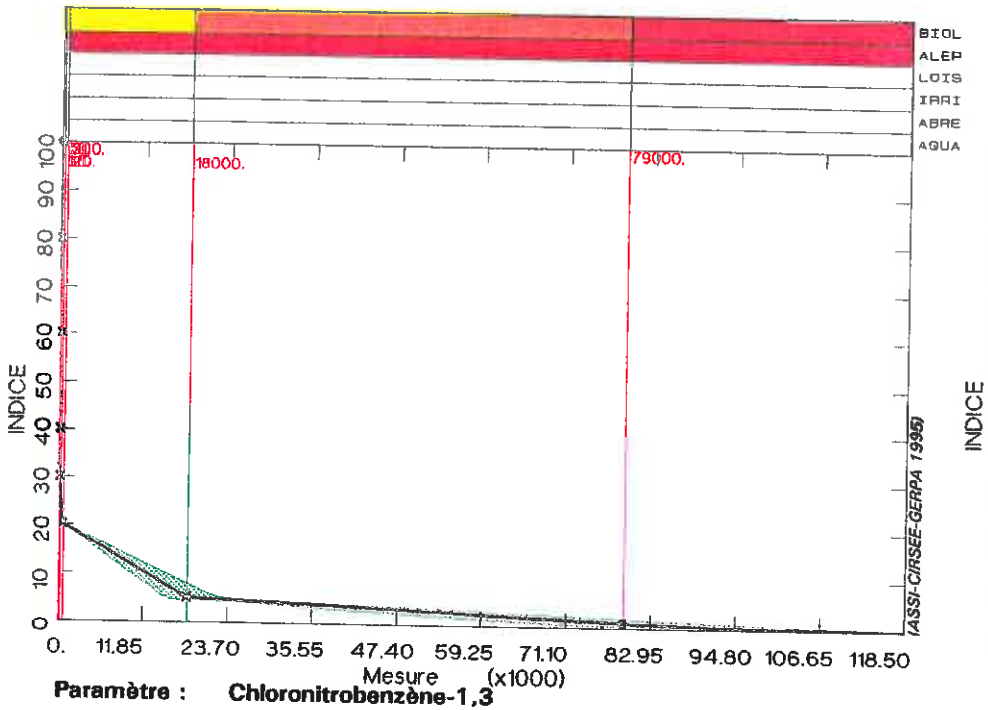
Paramètre : Chloroaniline-1,2



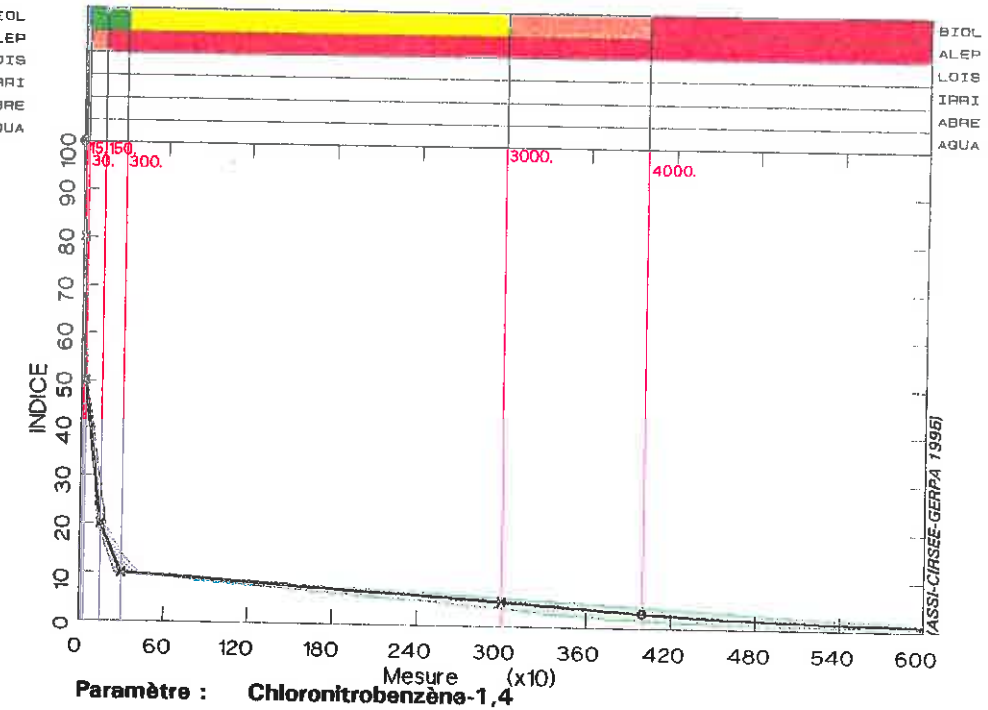
Paramètre : Chloroaniline-1,4



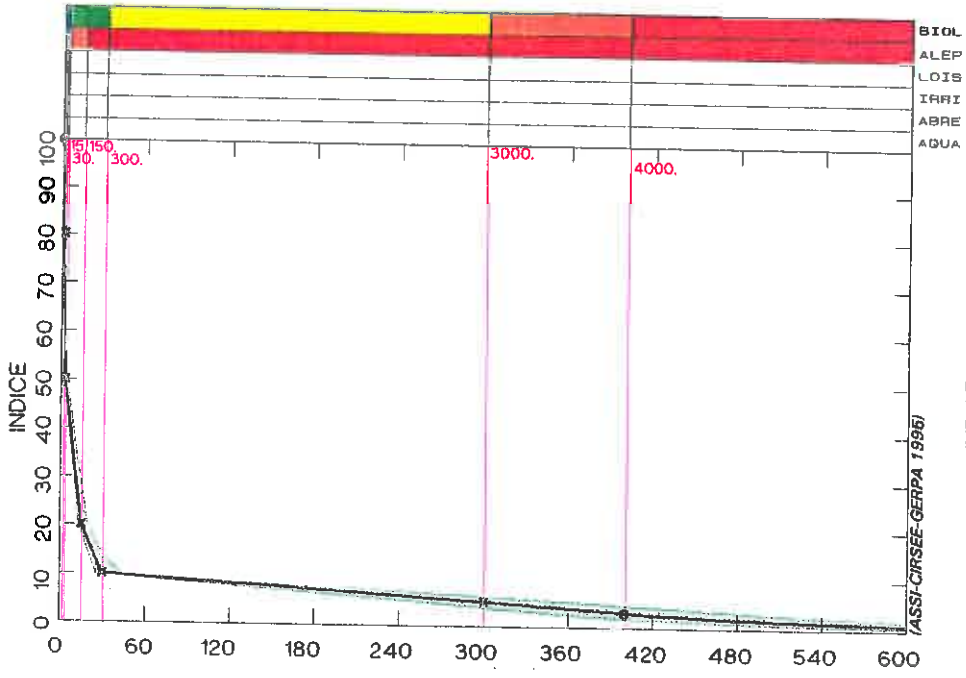
Paramètre : Chloroforme



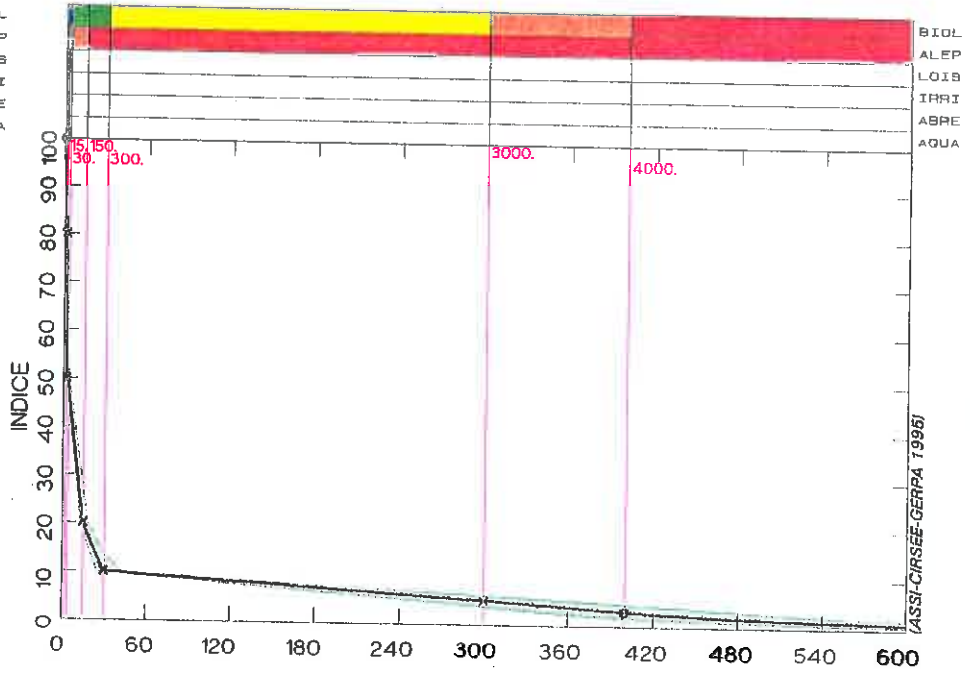
Paramètre : Chloronitrobenzène-1,2



Paramètre : Chloronitrobenzène-1,3

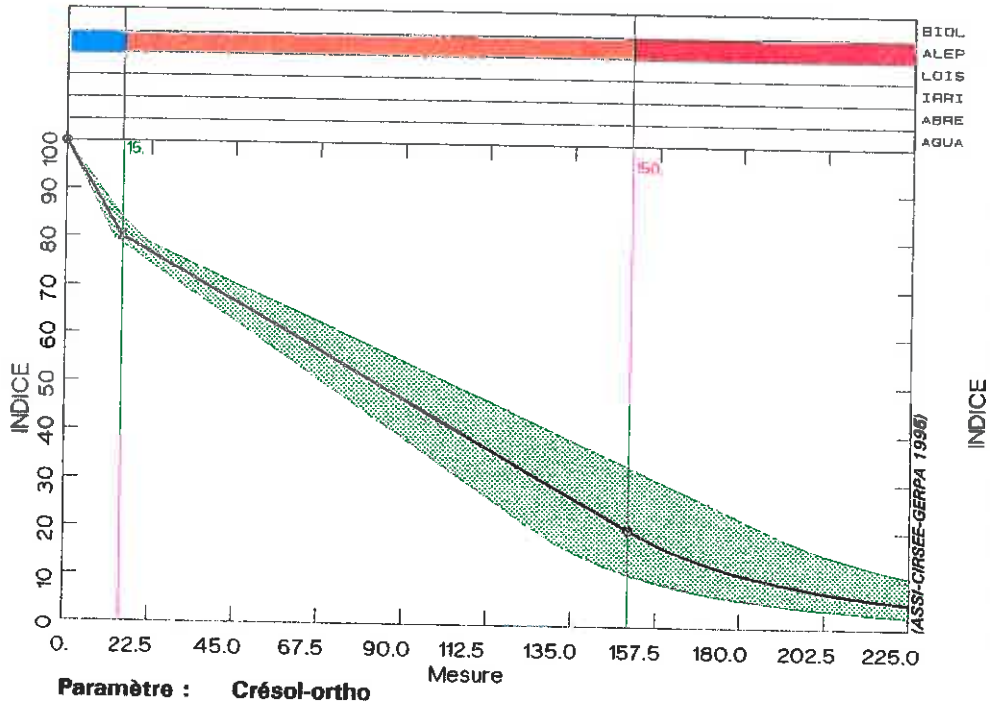


Paramètre : Chloronitrobenzène-1,4

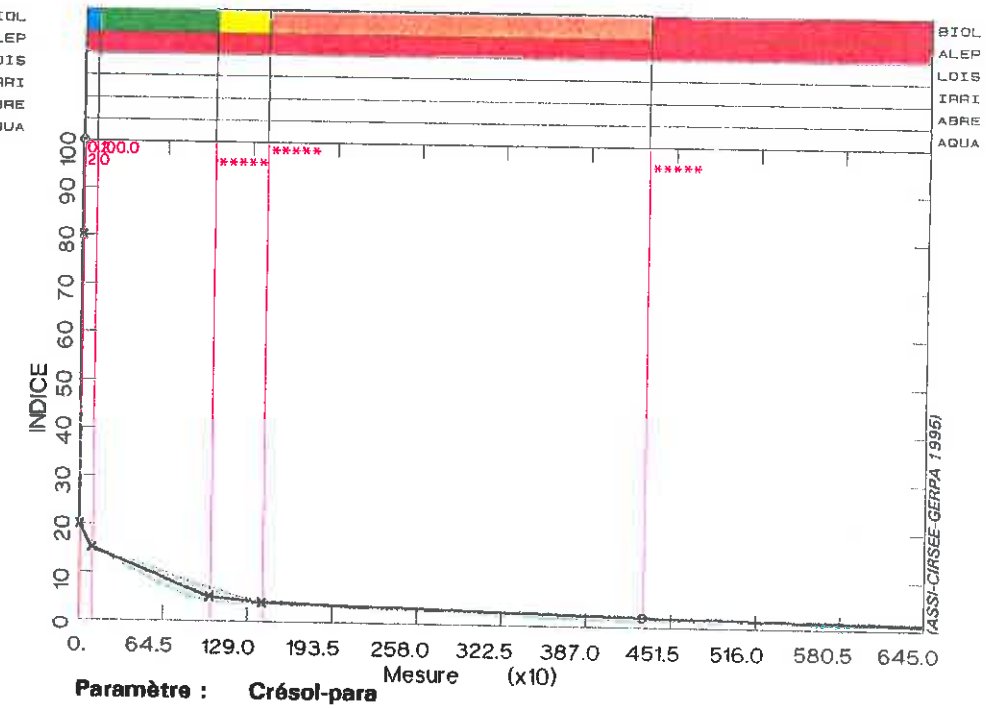


Altération : MICROPOLLUANTS ORGANIQUES HORS PESTICIDES (µg/l)

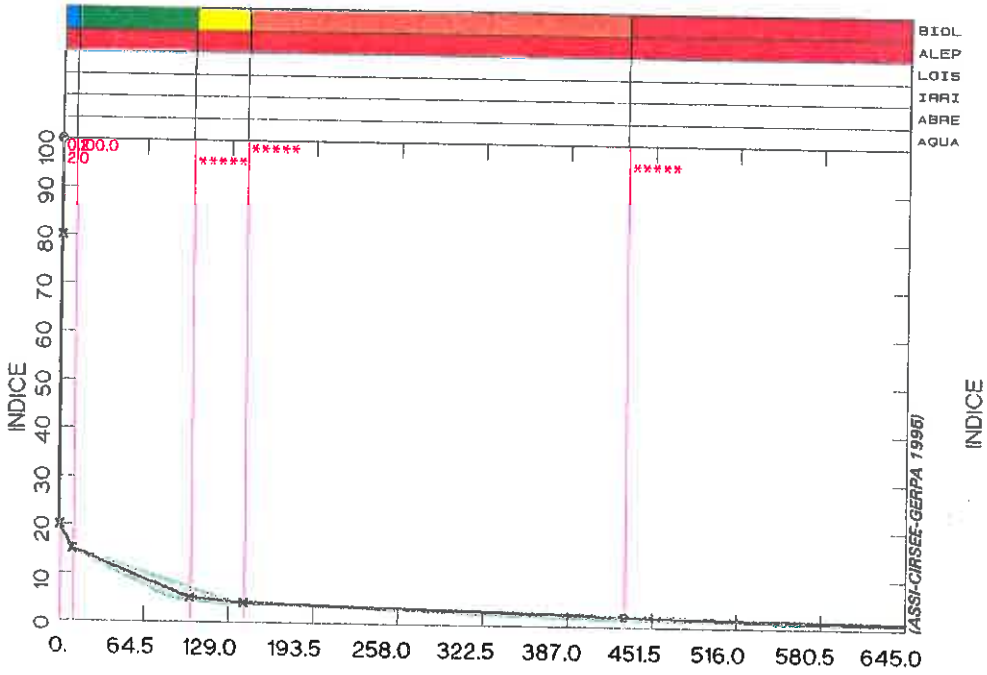
Paramètre : Totai chloronitrobenzènes



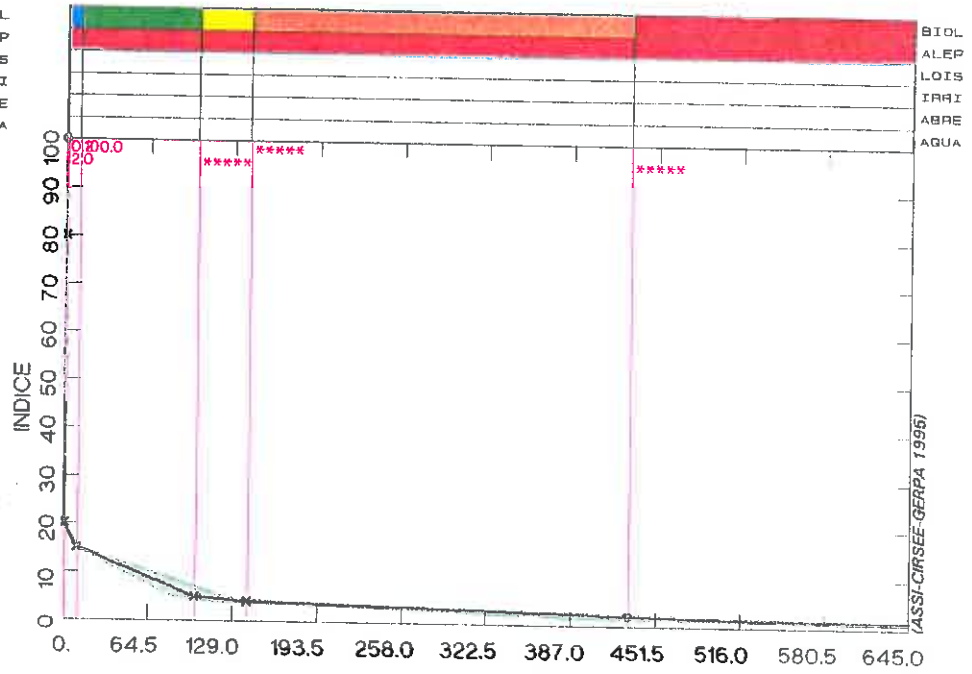
Paramètre : Crésol-méta



Paramètre : Crésol-ortho

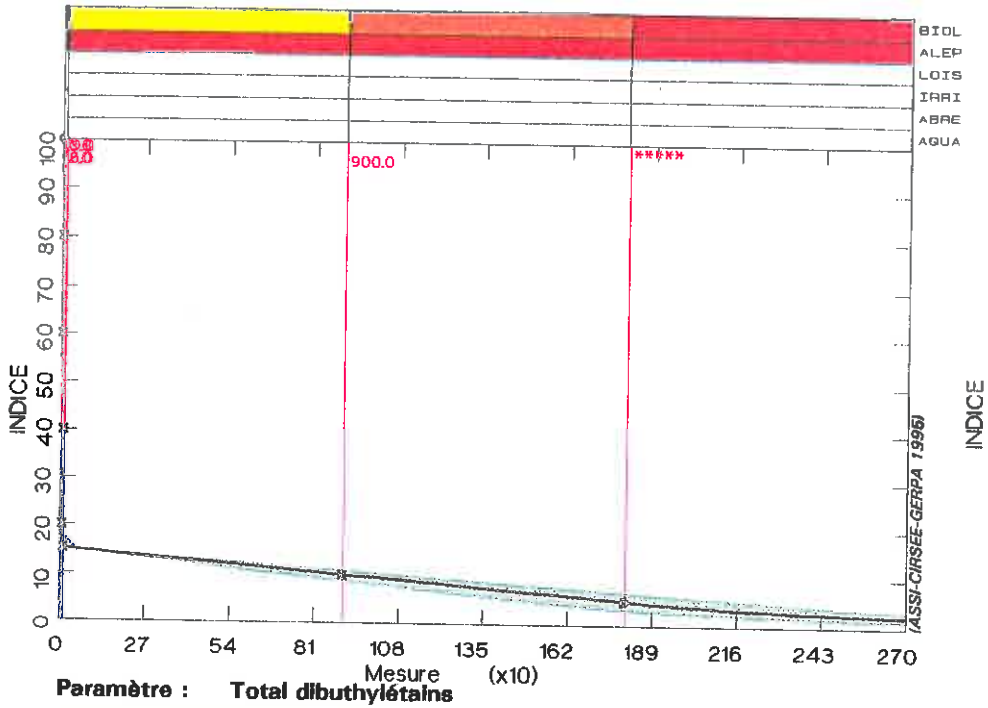


Paramètre : Crésol-para

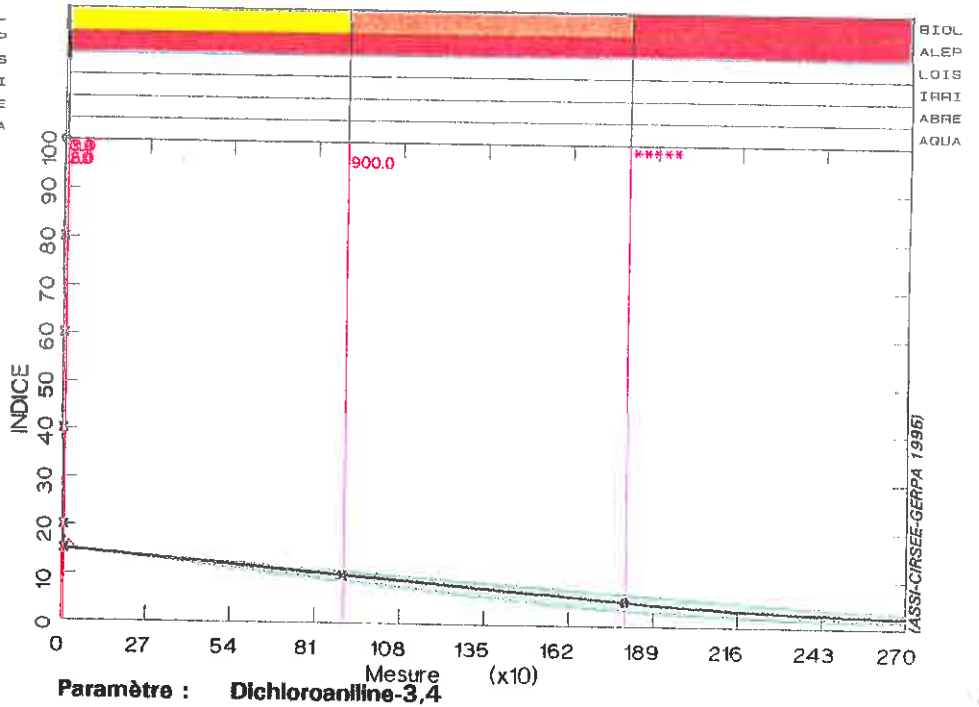


Altération : MICROPOLLUANTS ORGANIQUES HORS PESTICIDES (µg/l)

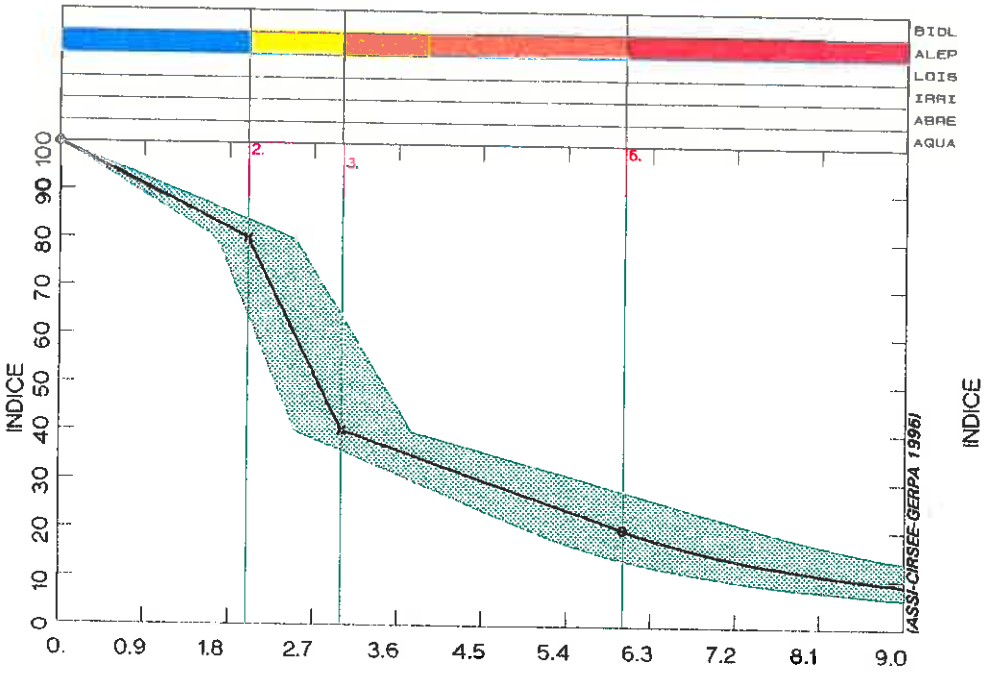
Paramètre : Dibuthylétain chlorure



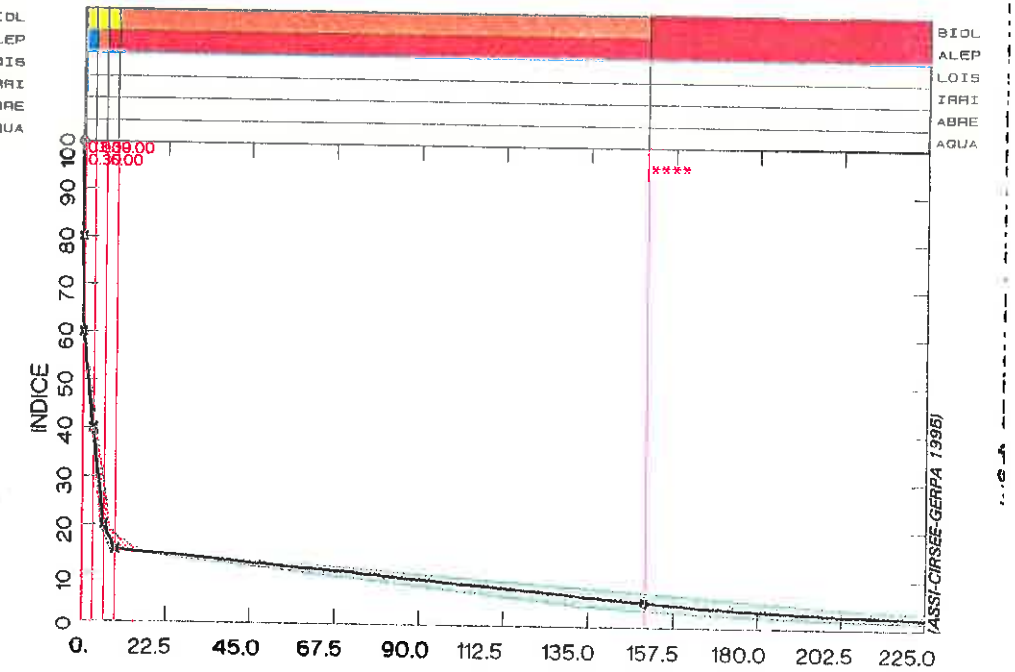
Paramètre : Dibuthylétain oxyde



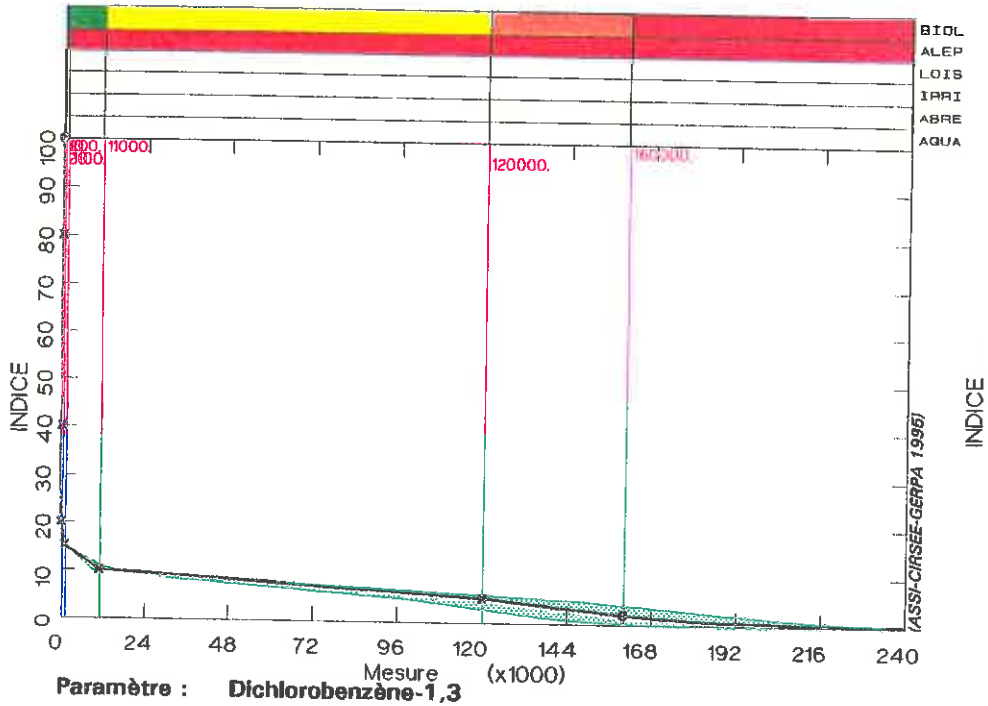
Paramètre : Total dibuthylétains



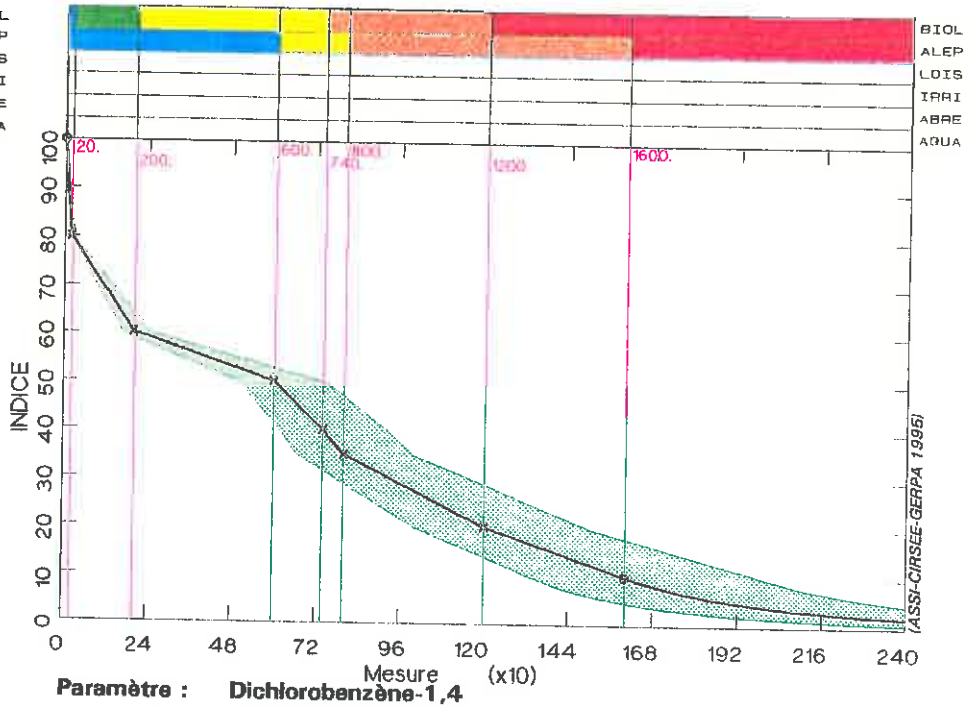
Paramètre : Dichloroaniline-3,4



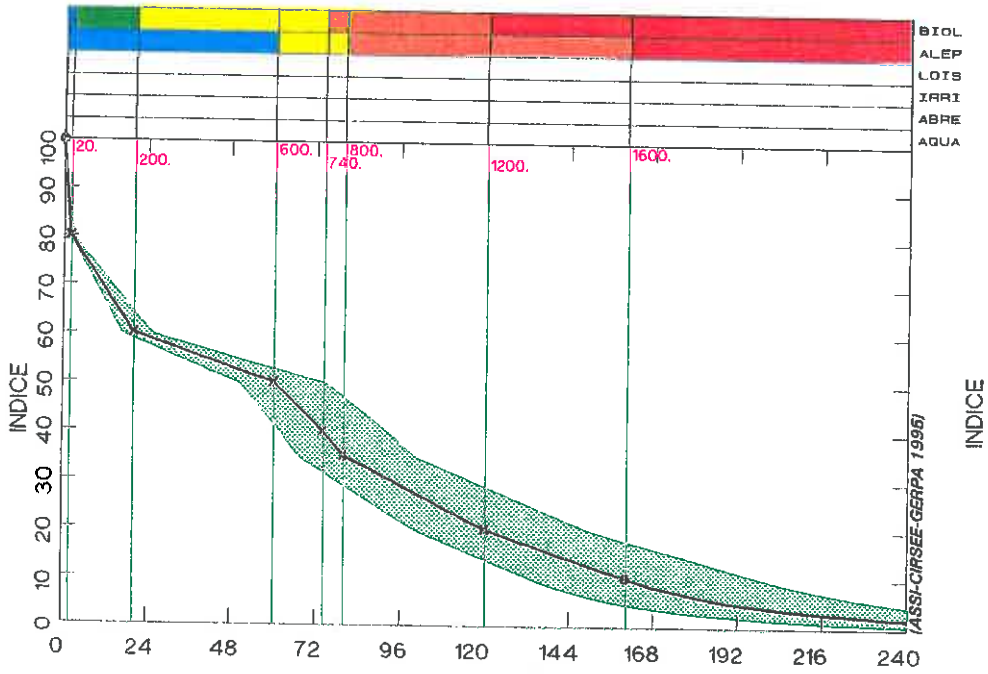
Paramètre : Dichloroéthane-1,2



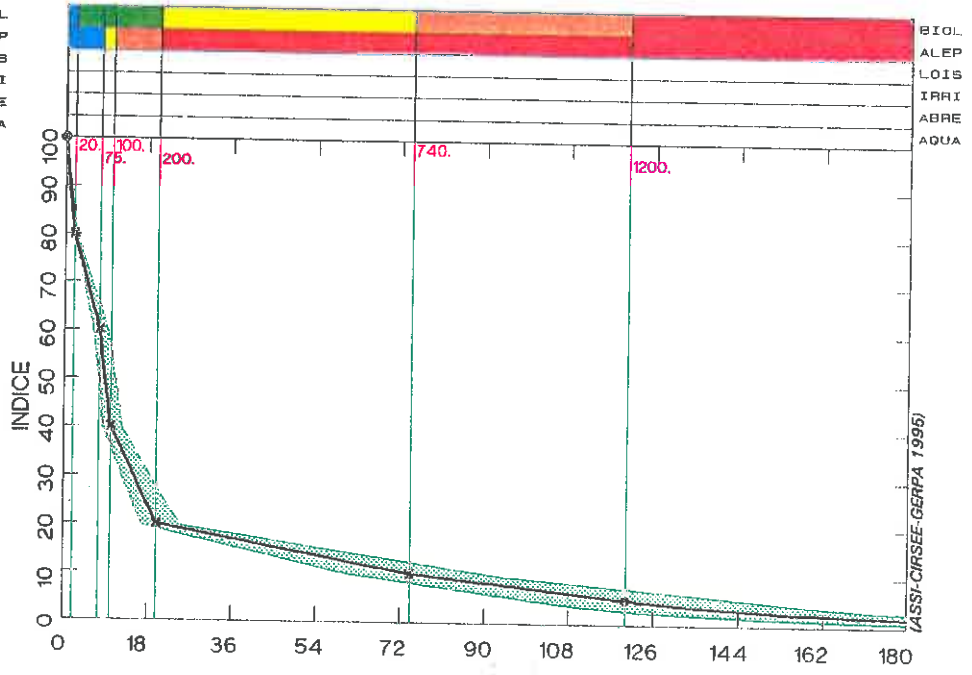
Paramètre : Dichlorobenzène-1,2



Paramètre : Dichlorobenzène-1,3

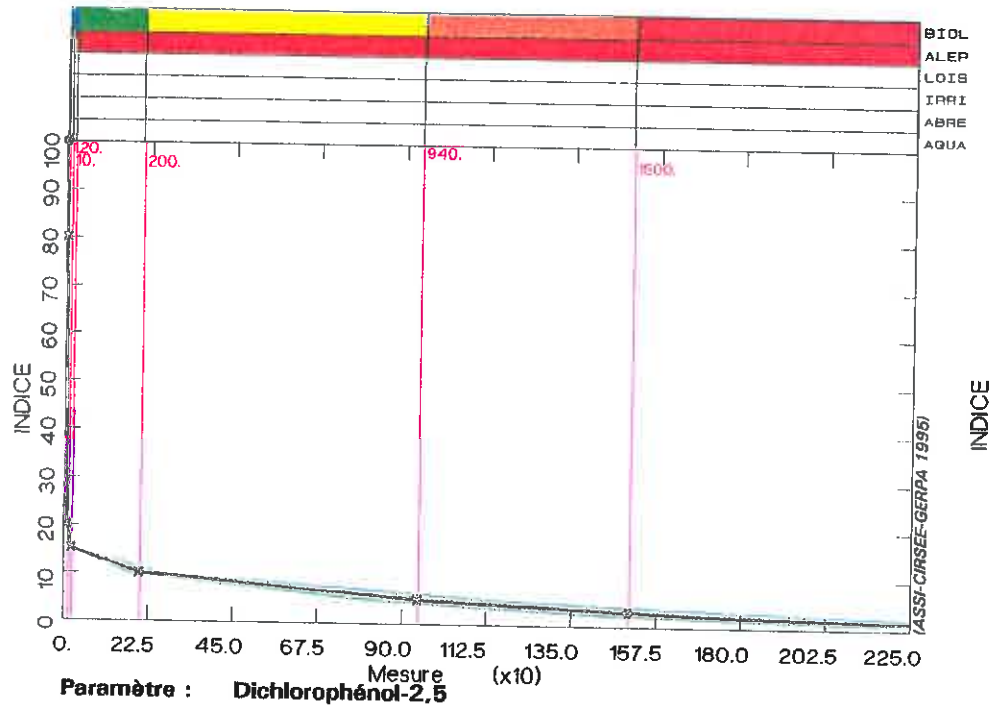


Paramètre : Dichlorobenzène-1,4

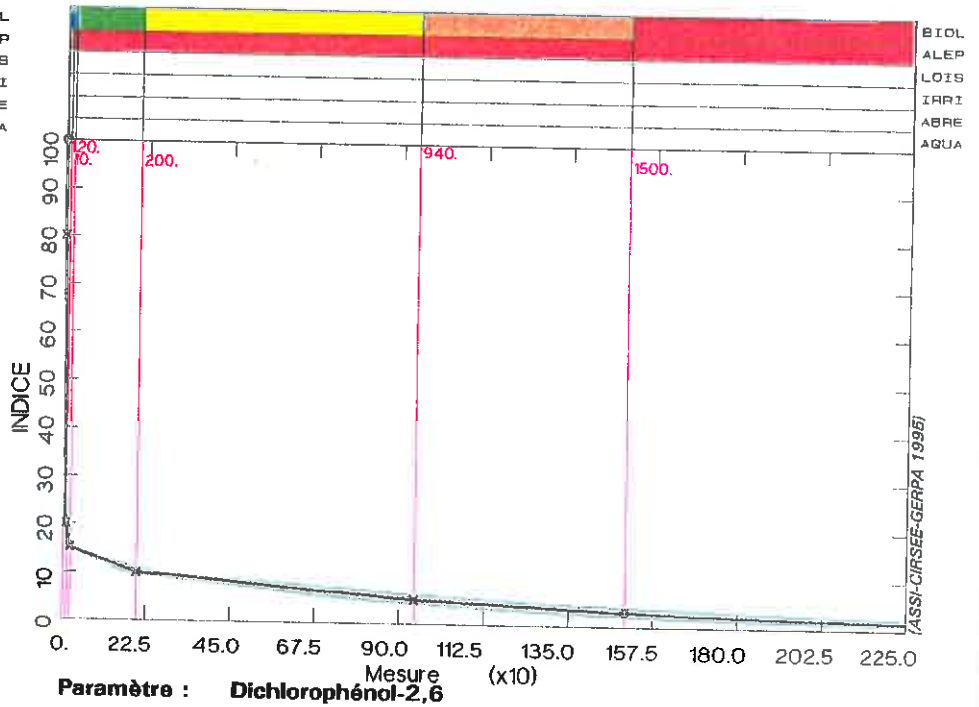


Altération : MICROPOLLUANTS ORGANIQUES HORS PESTICIDES (µg/l)

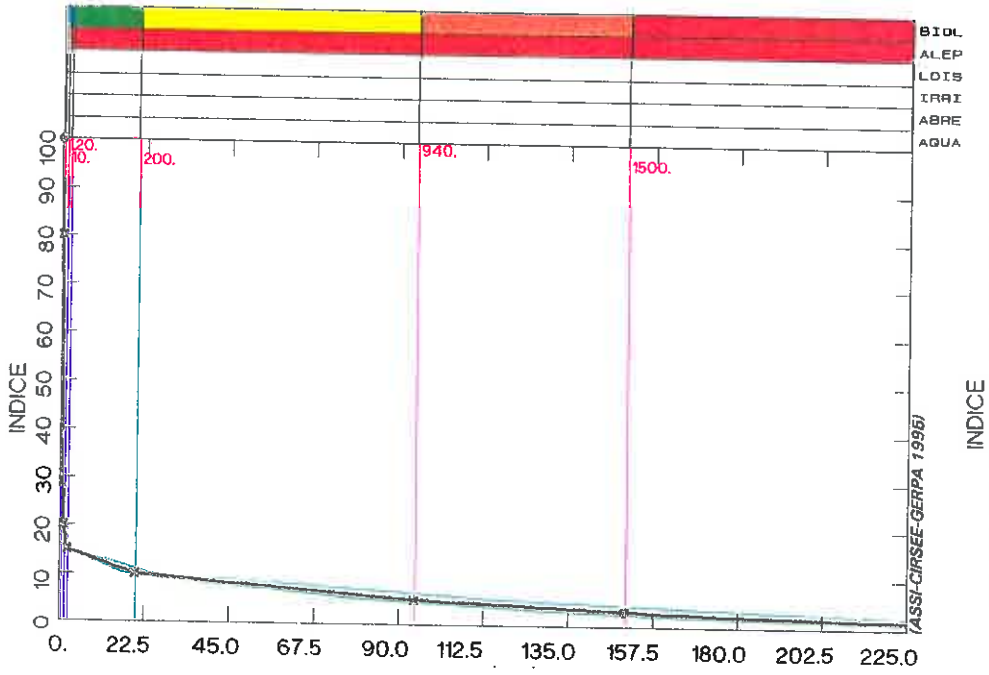
Paramètre : Dichlorophénol-2,3



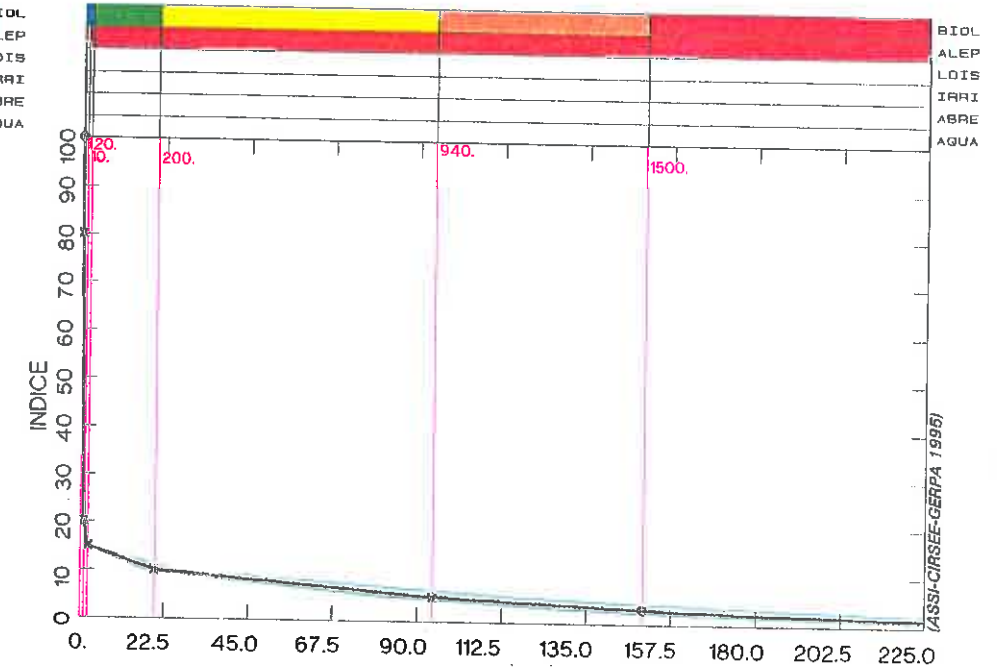
Paramètre : Dichlorophénol-2,4



Paramètre : Dichlorophénol-2,5



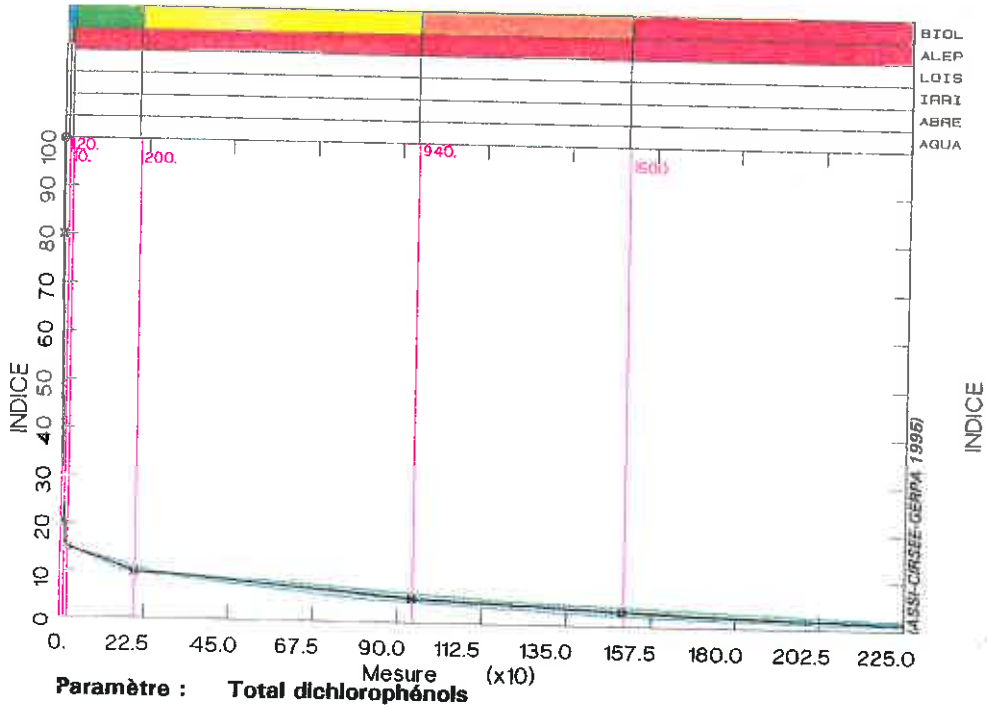
Paramètre : Dichlorophénol-2,6



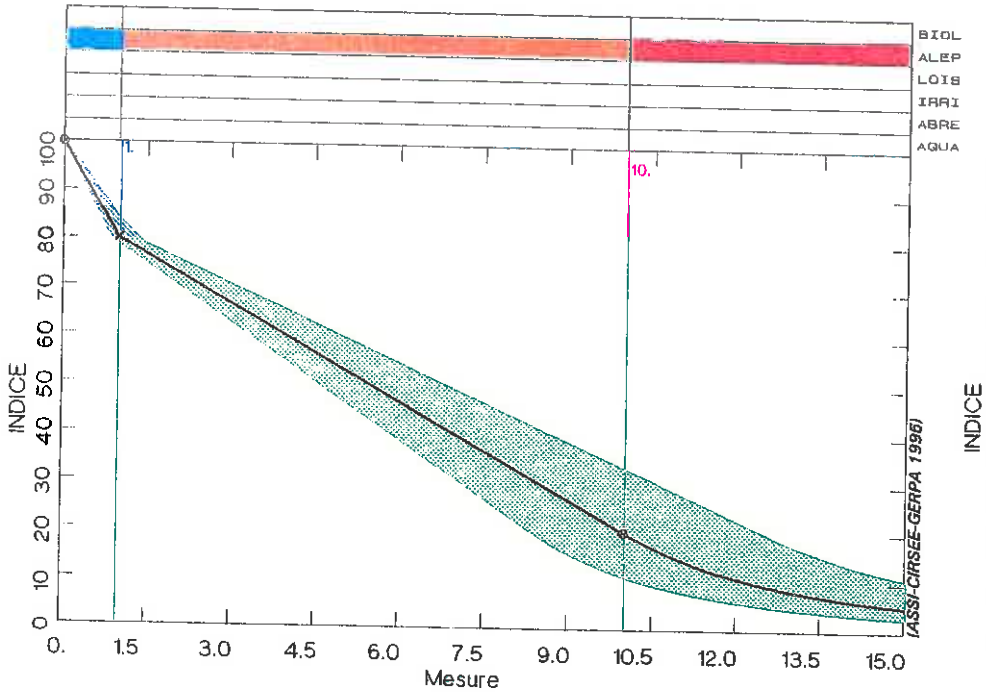
Altération : MICROPOLLUANTS ORGANIQUES HORS PESTICIDES (µg/l)

Altération : MICROPOLLUANTS ORGANIQUES HORS PESTICIDES (µg/l)

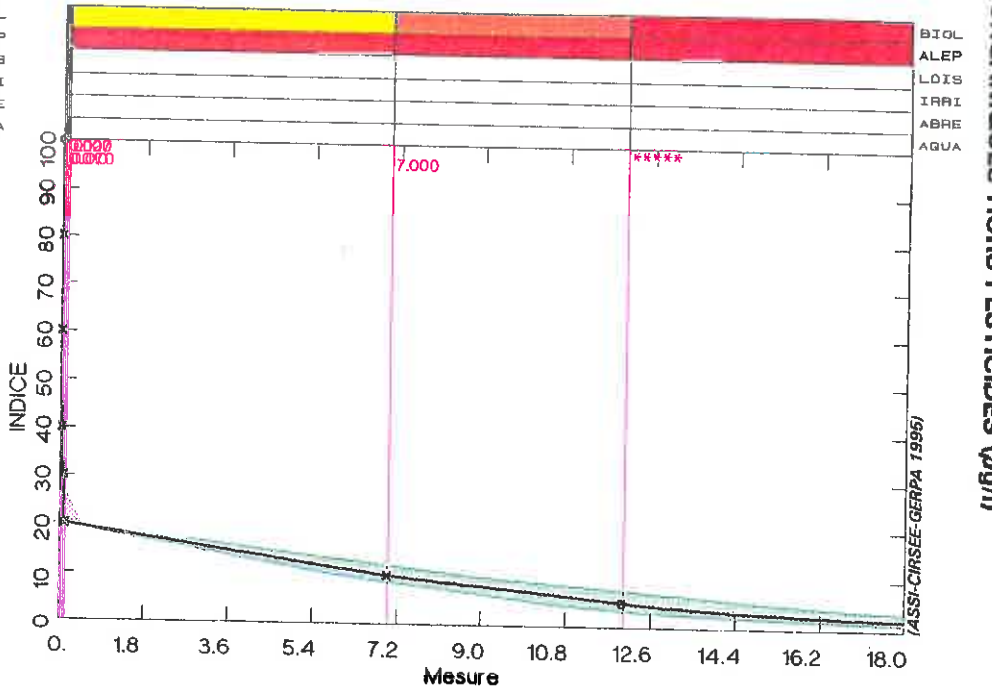
Paramètre : Dichlorophénol - 3,5



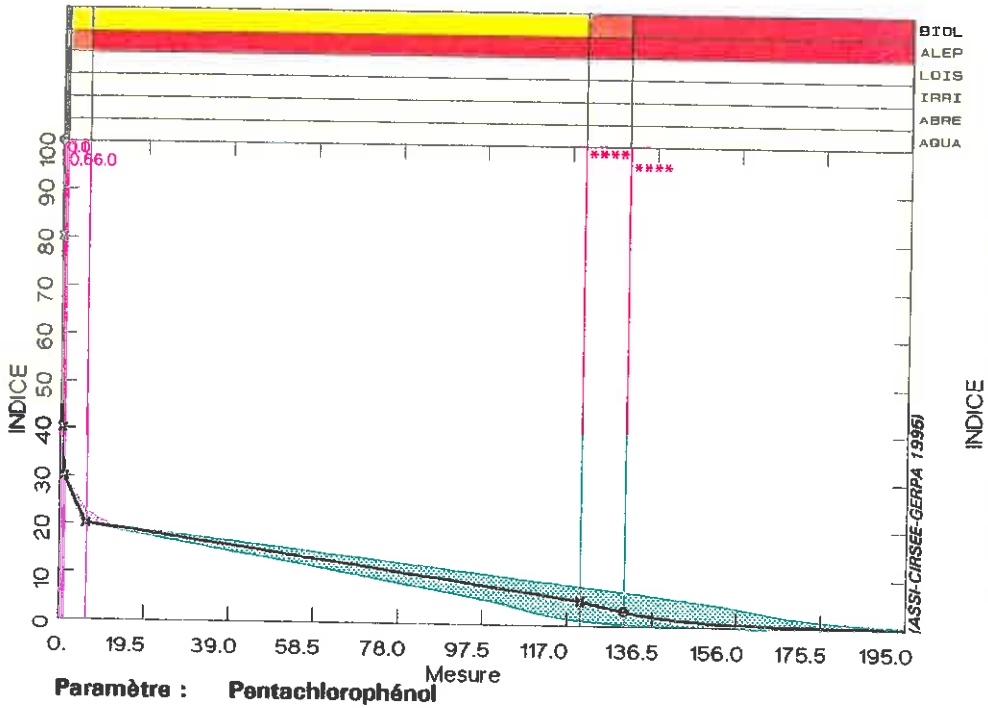
Paramètre : Total dichlorophénols



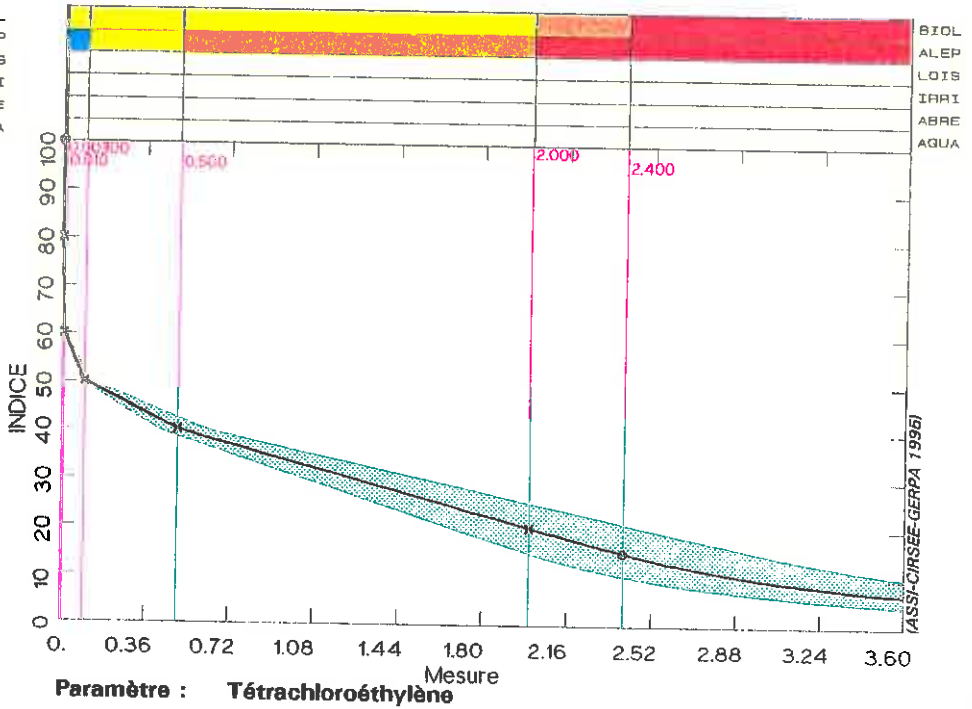
Paramètre : Hexachlorobenzène



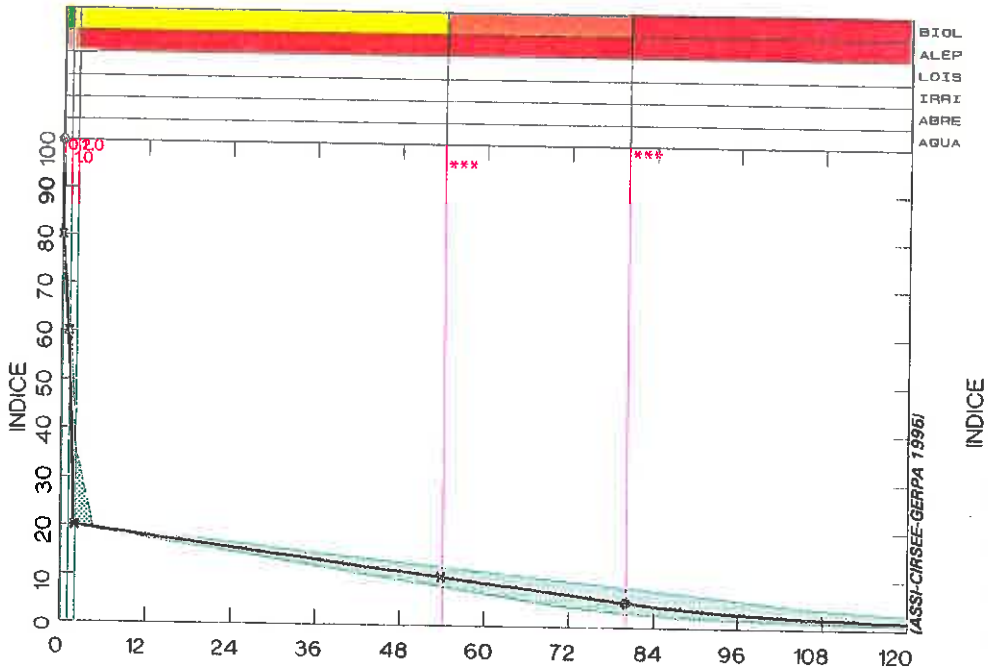
Paramètre : Hexachlorobutadiène



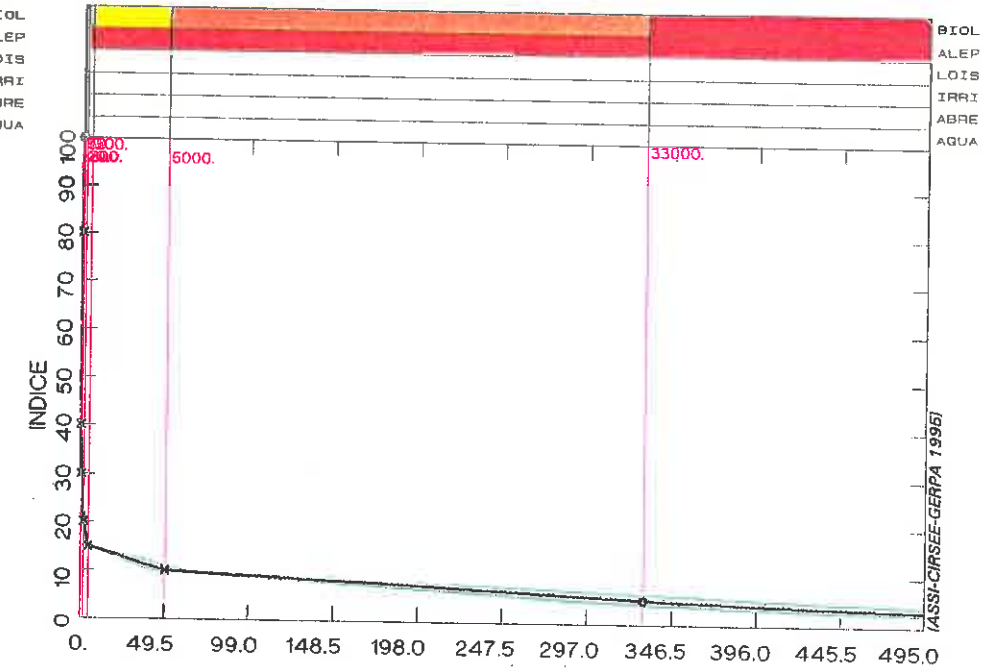
Paramètre : PCBs



Paramètre : Pentachlorophénol

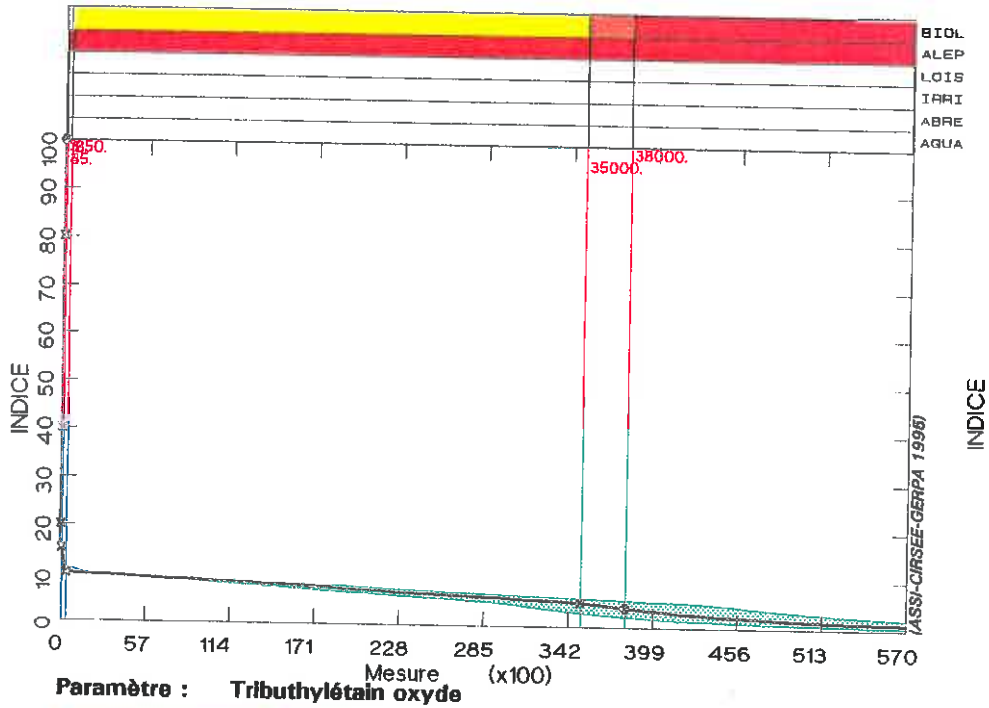


Paramètre : Tétrachloroéthylène

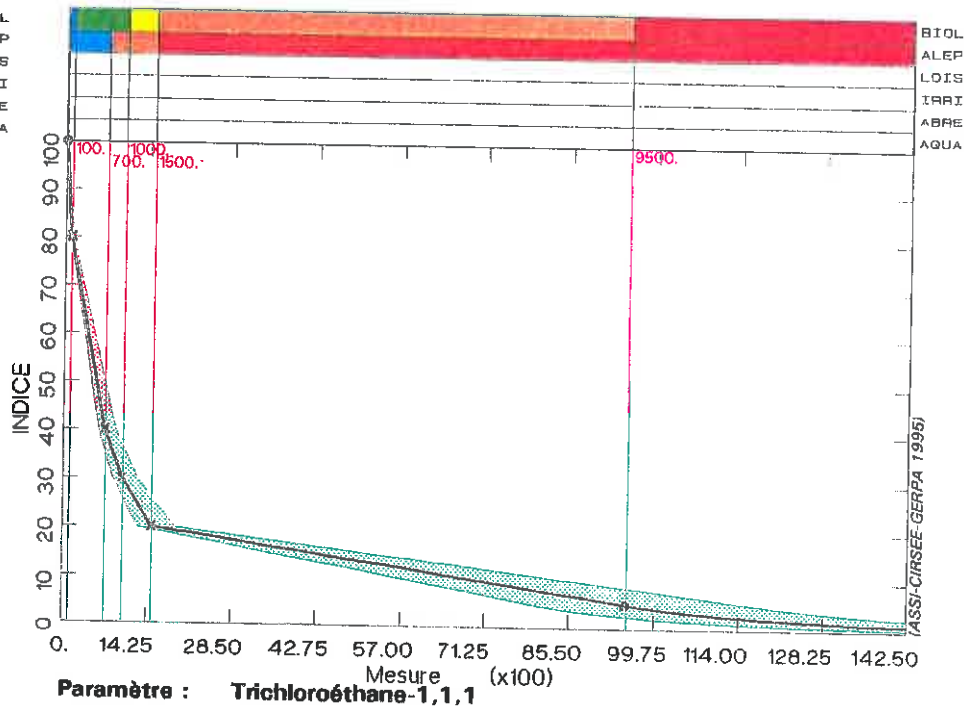


Altération : MICROPOLLUANTS ORGANIQUES HORS PESTICIDES (µg/l)

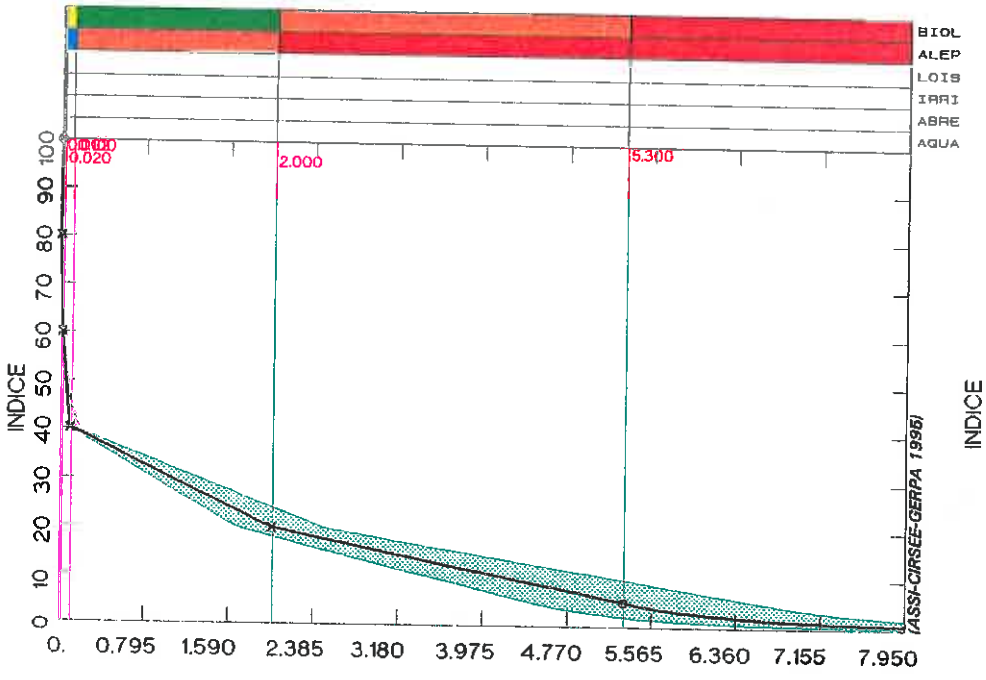
Paramètre : Tetrachlorométhane



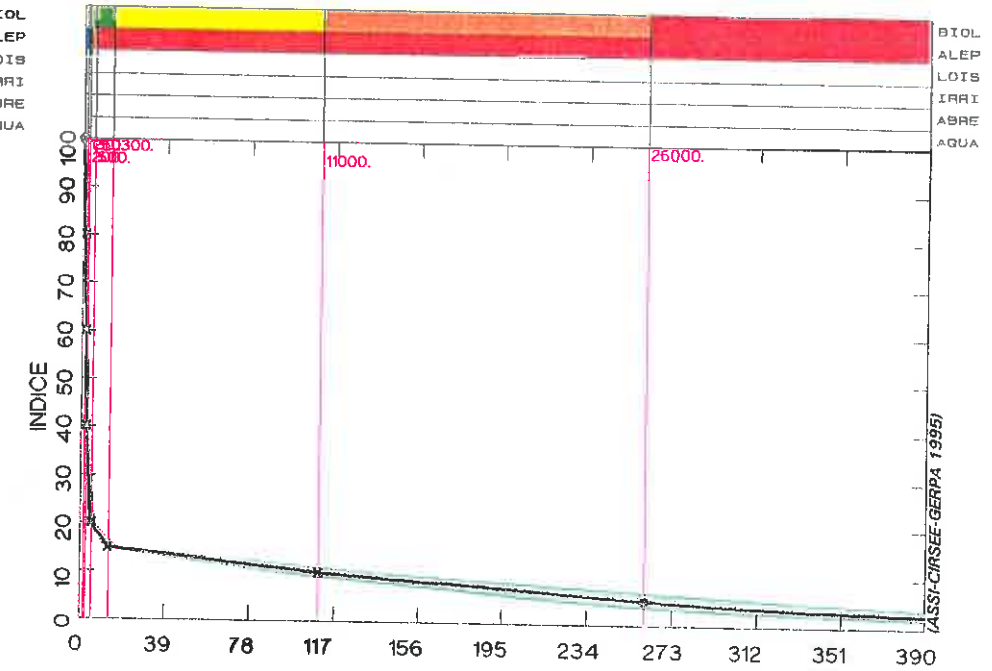
Paramètre : Toluène



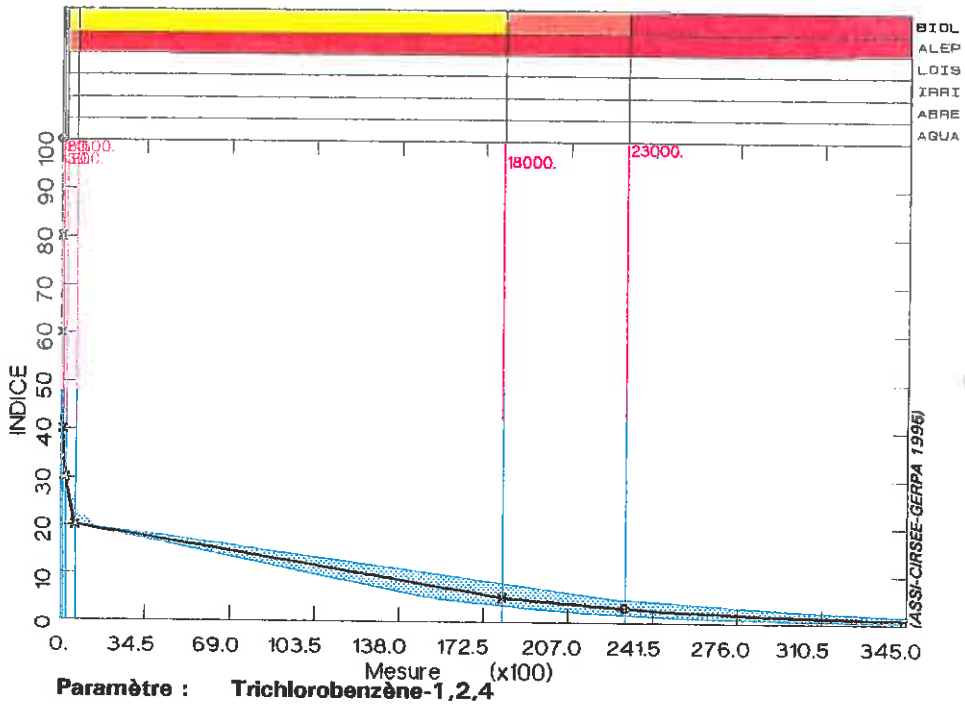
Paramètre : Tributhylétain oxyde



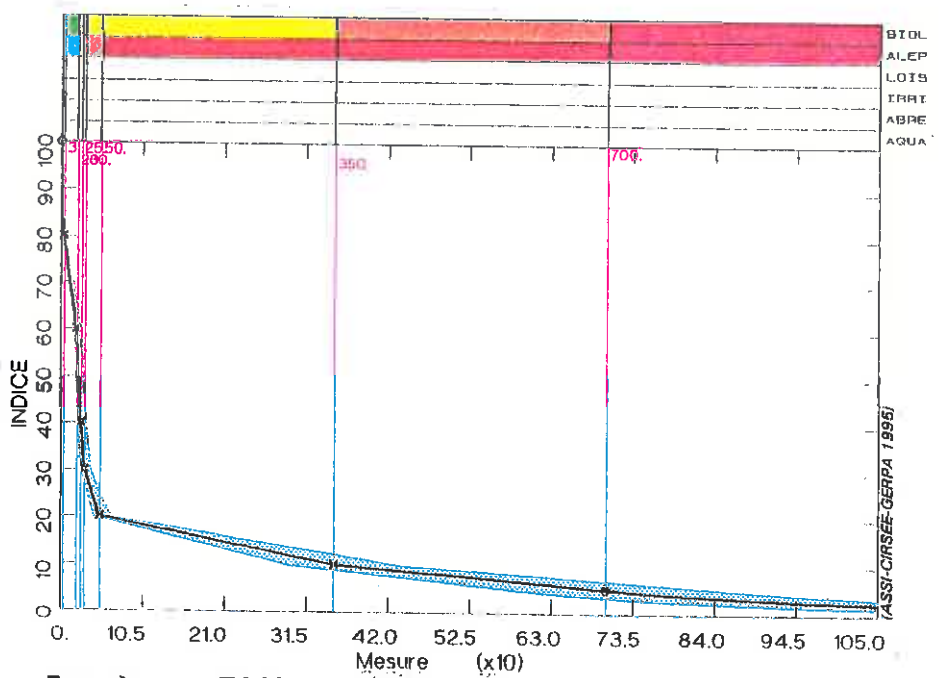
Paramètre : Trichloroéthane-1,1,1



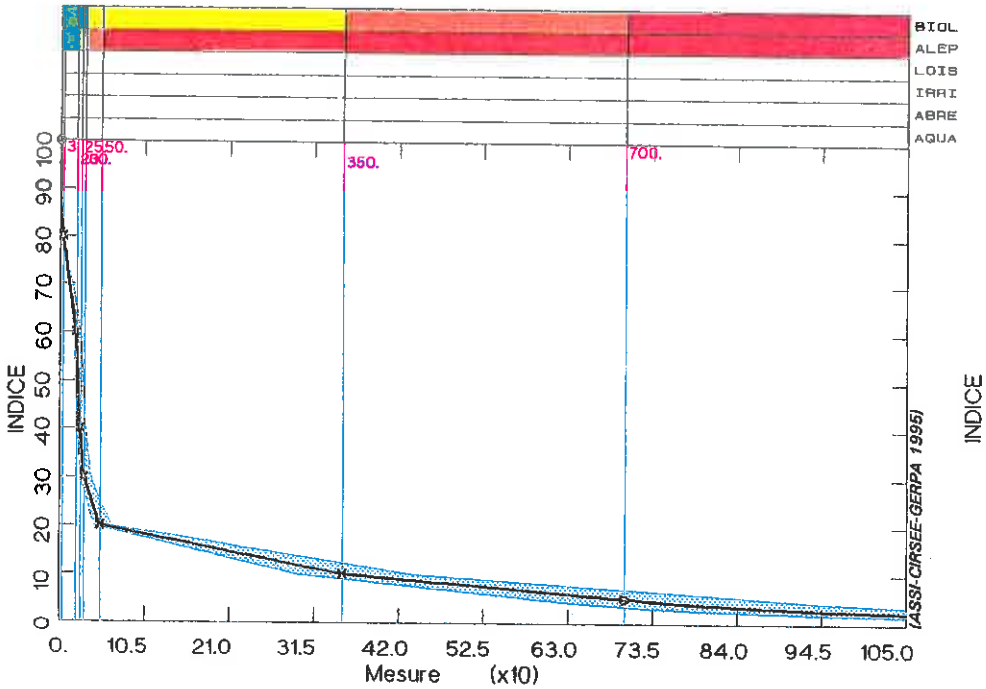
Paramètre : Trichloroéthylène



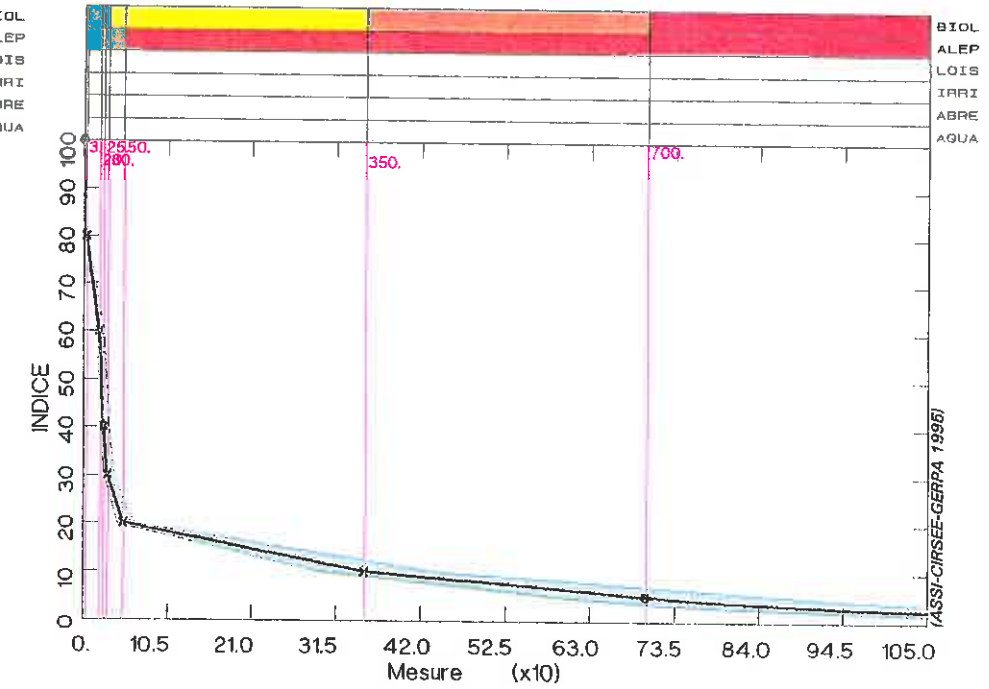
Paramètre : Trichlorobenzène - 1,2,3



Paramètre : Trichlorobenzène-1,2,4

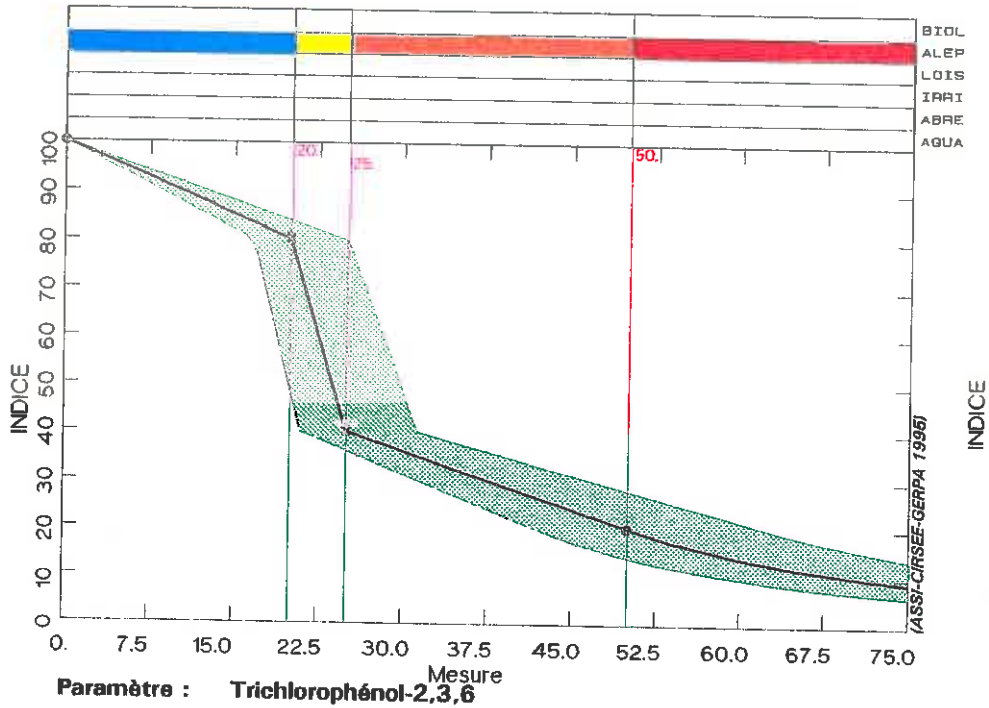


Paramètre : Trichlorobenzène-1,3,5

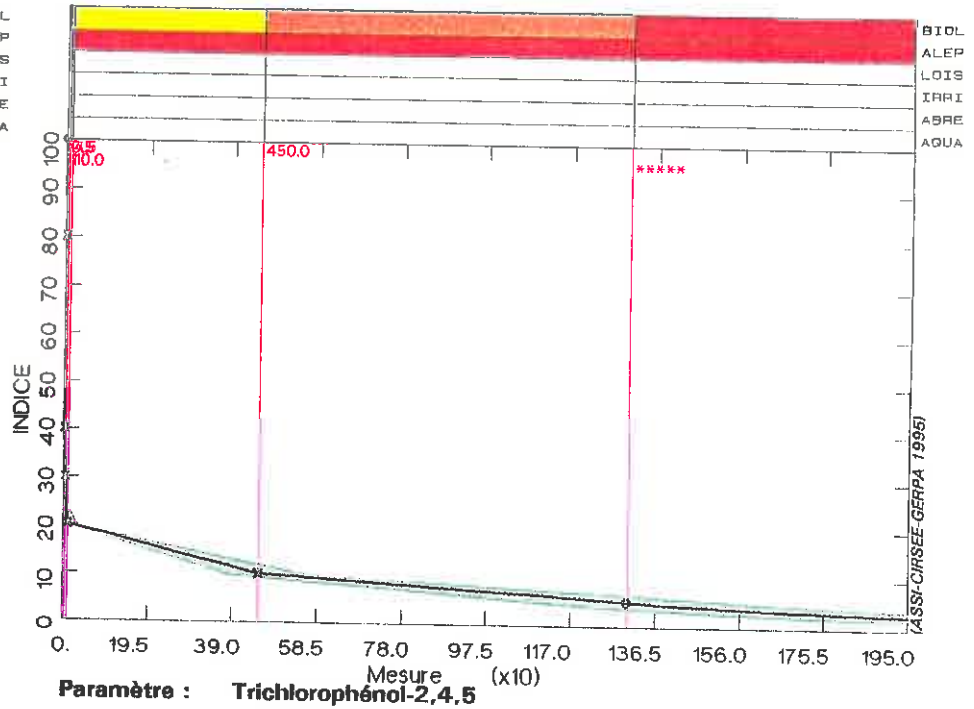


Altération : MICROPOLLUANTS ORGANIQUES HORS PESTICIDES (µg/l) ''

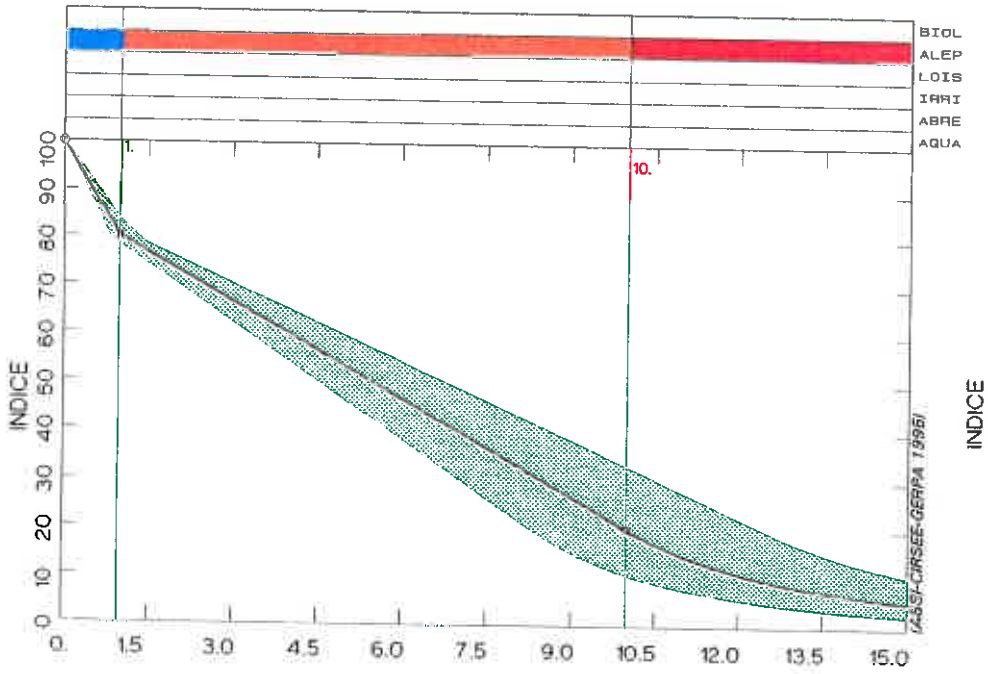
Paramètre : Total trichlorobenzènes



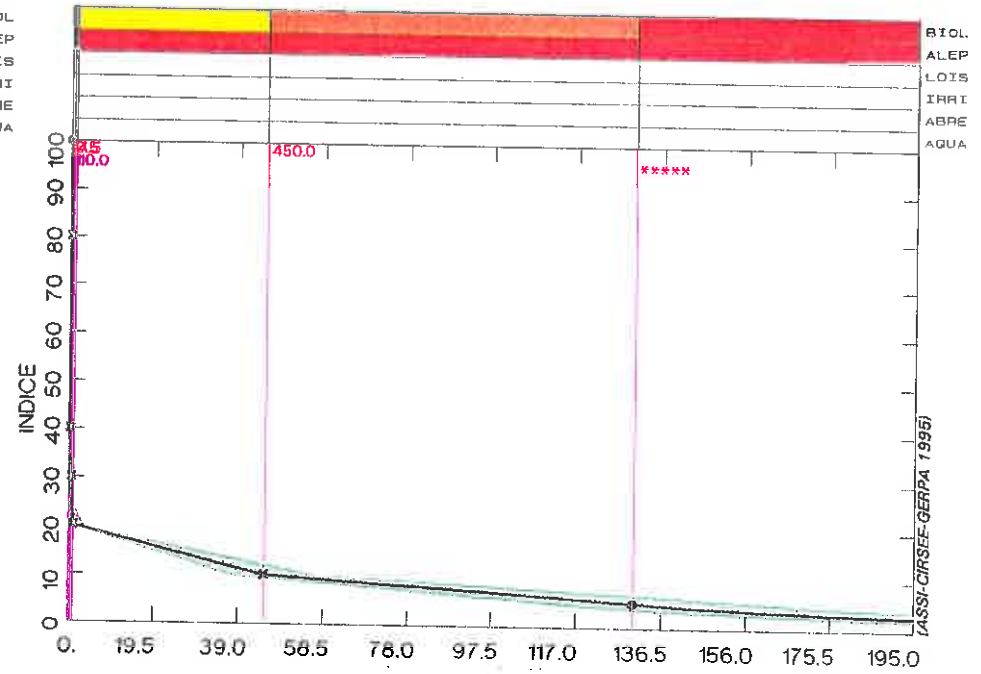
Paramètre : Trichlorophénol-2,3,5



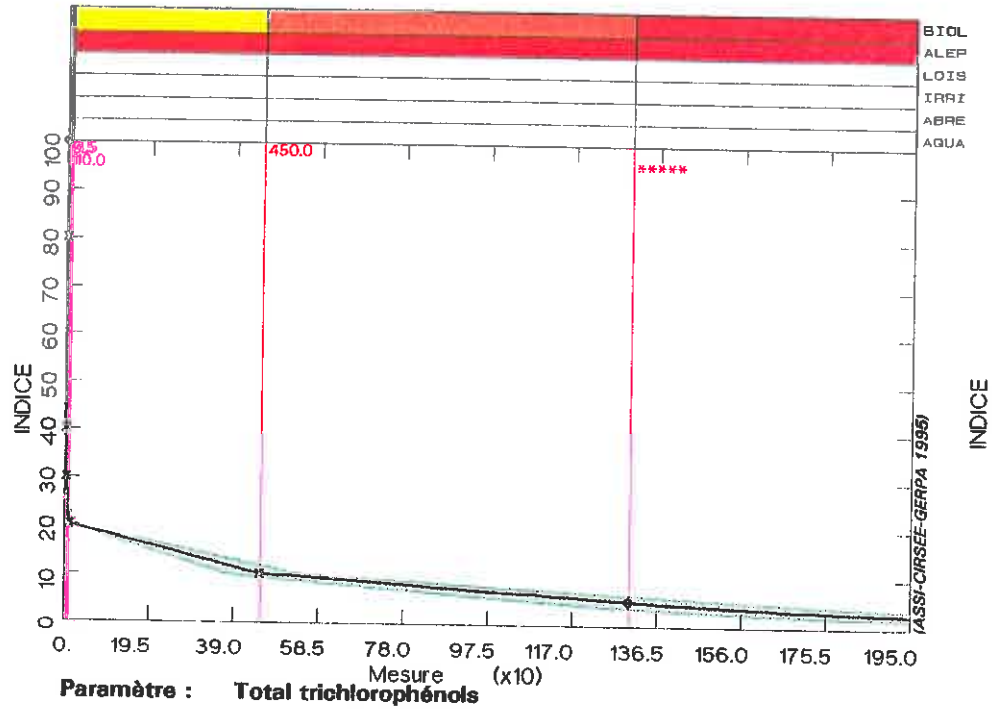
Paramètre : Trichlorophénol-2,3,6



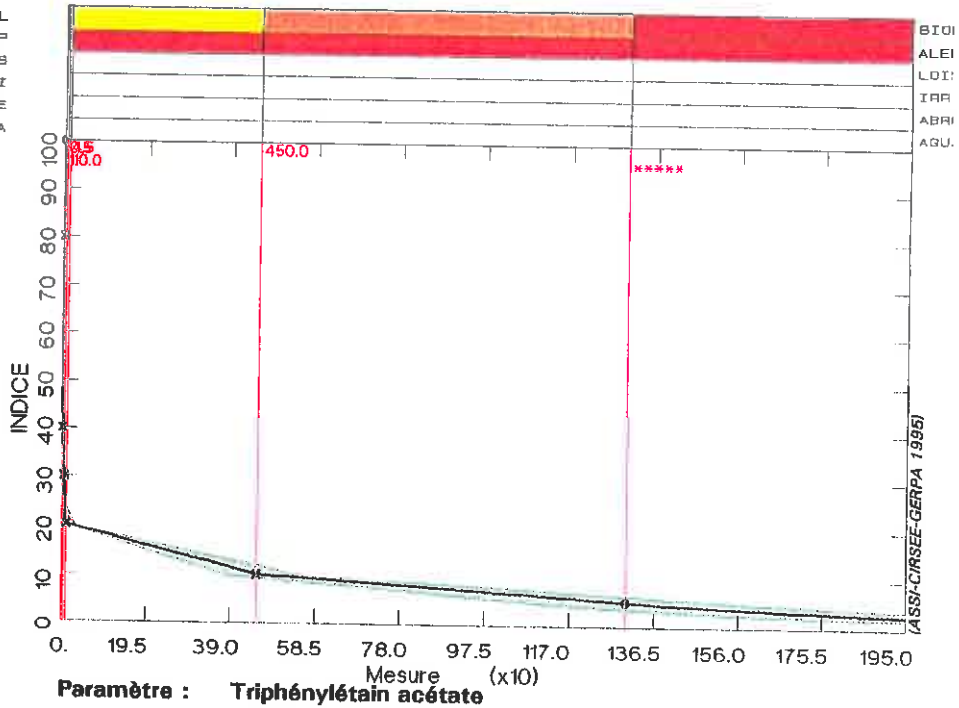
Paramètre : Trichlorophénol-2,4,5



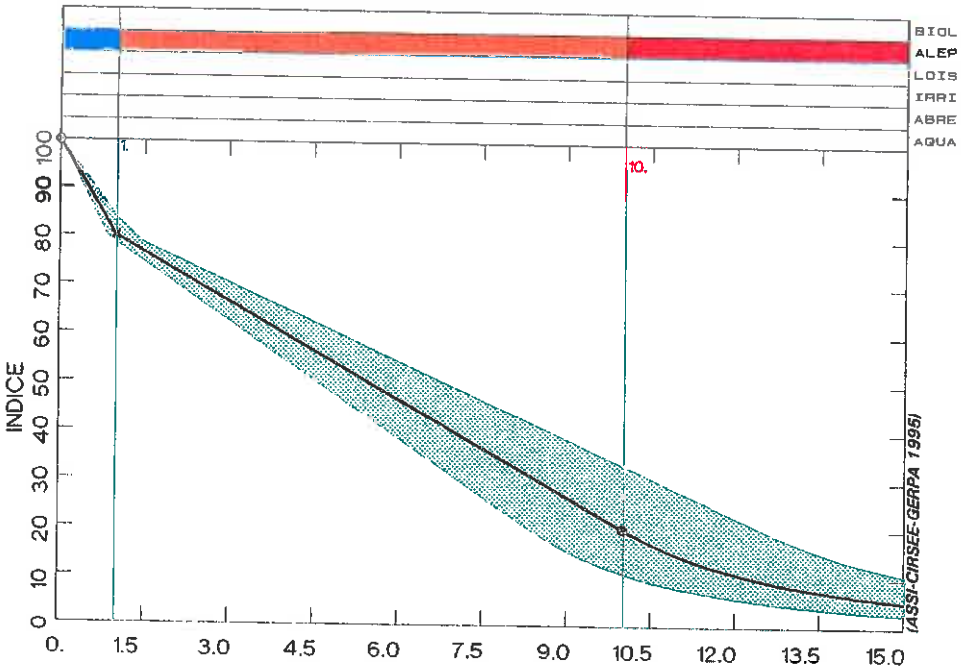
Paramètre : Trichlorophénol-2,4,6



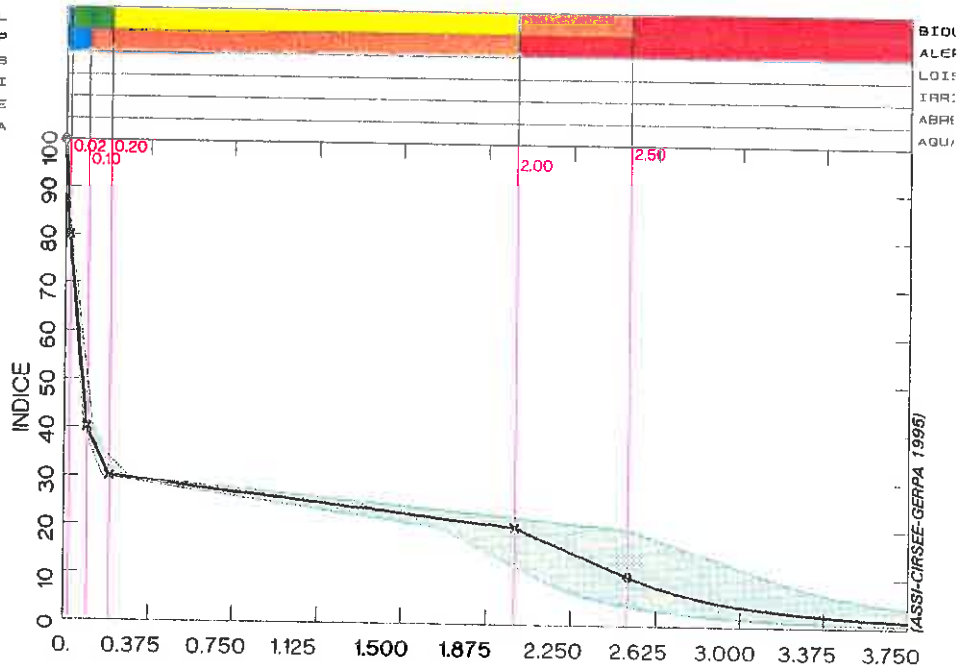
Paramètre : Trichlorophénol-3,4,5



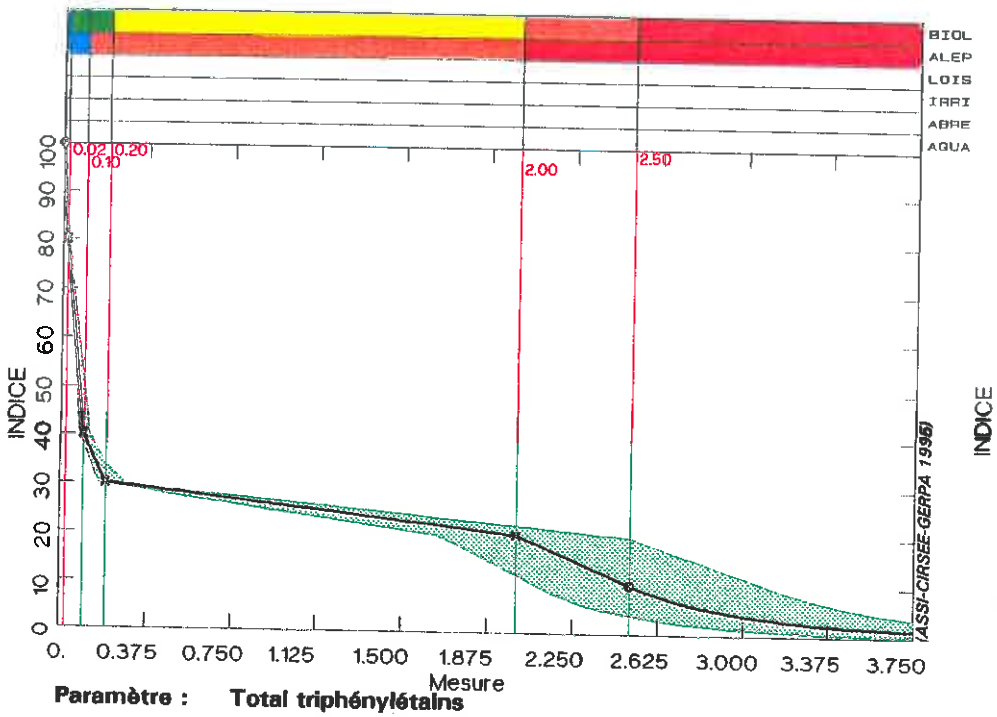
Paramètre : Total trichlorophénols



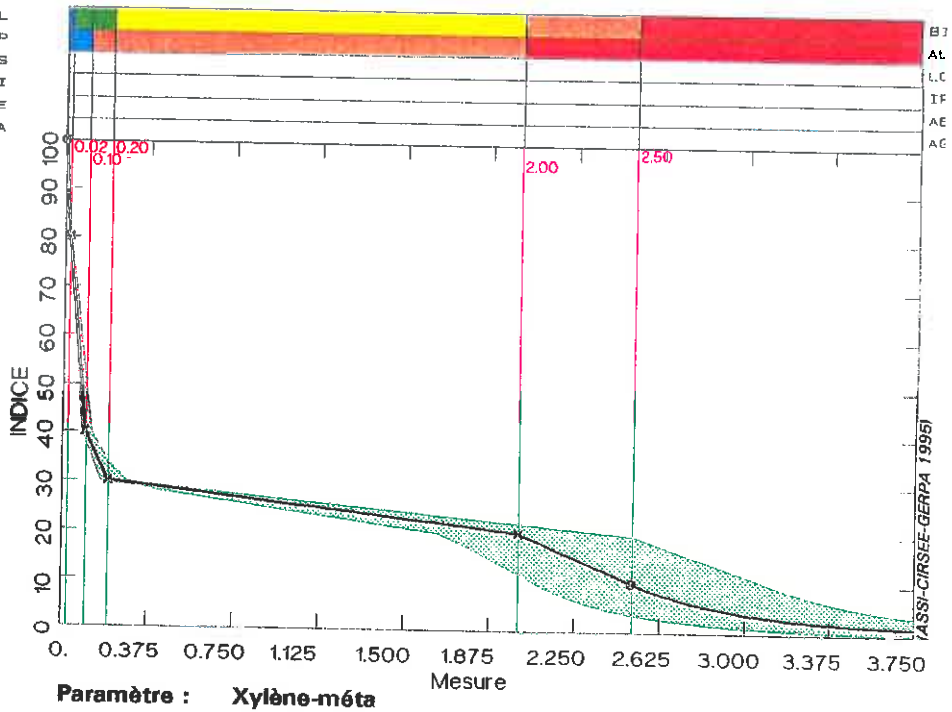
Paramètre : Triphénylétain acétate



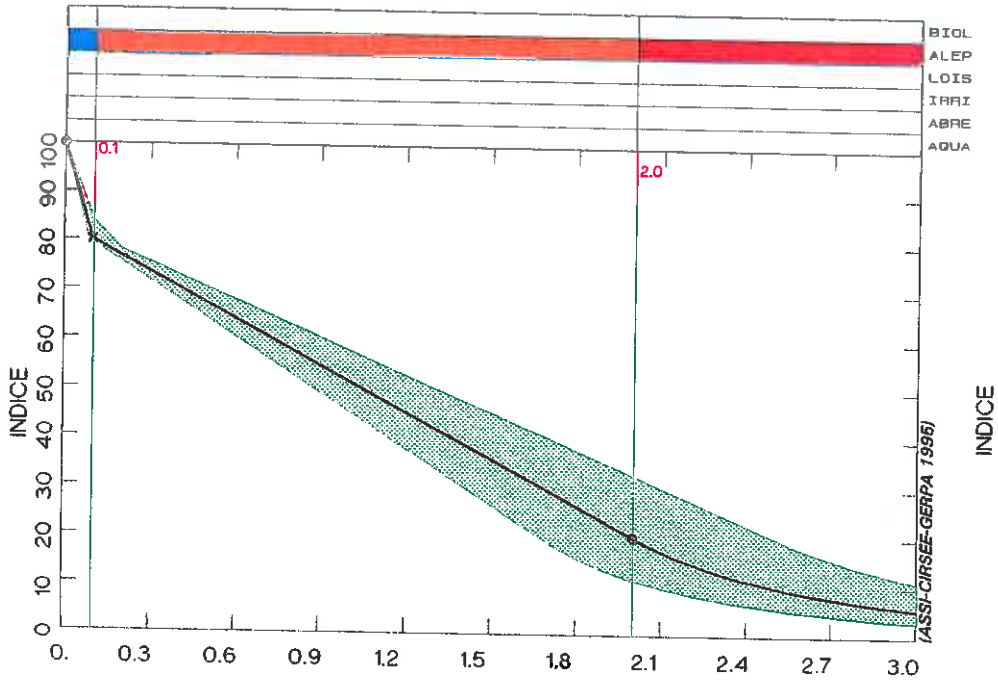
Paramètre : Triphényletain chlorure



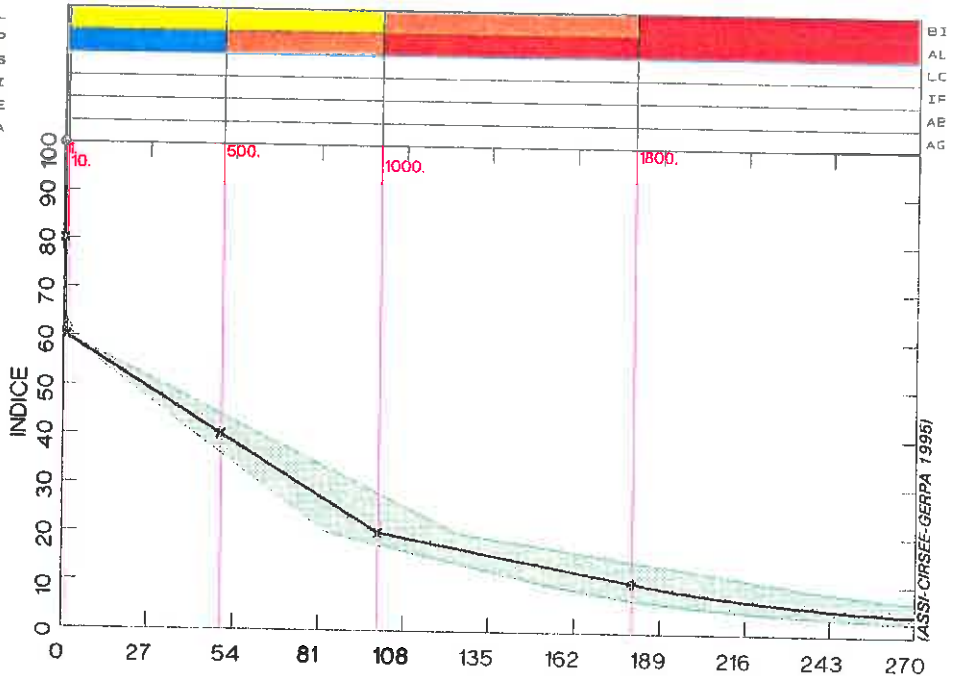
Paramètre : Triphénylétainhydroxyde



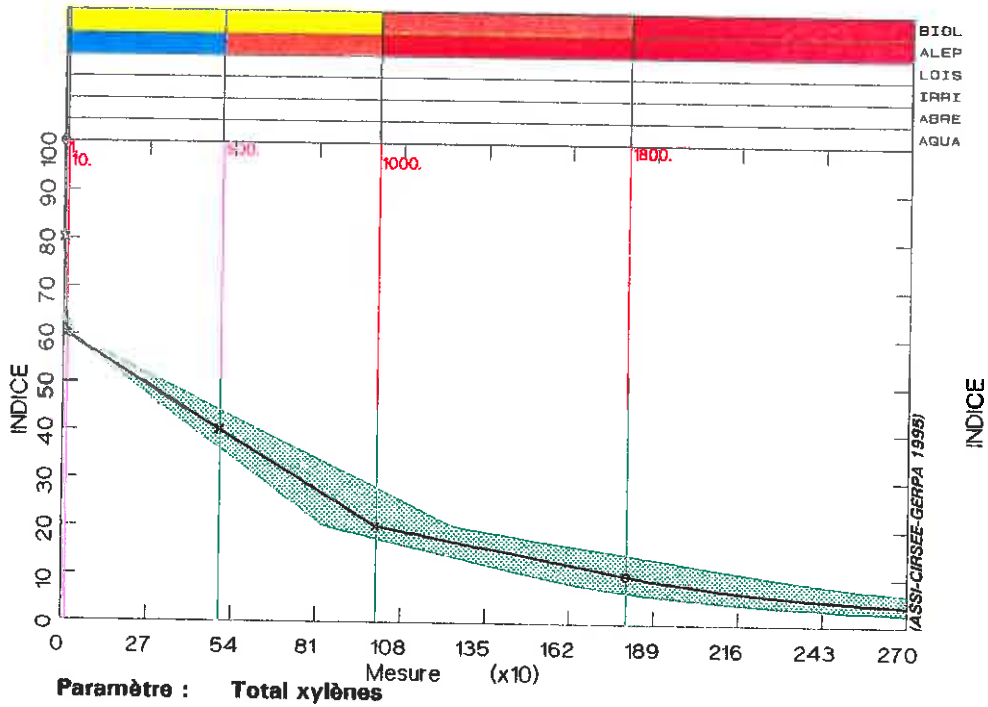
Paramètre : Total triphénylétains



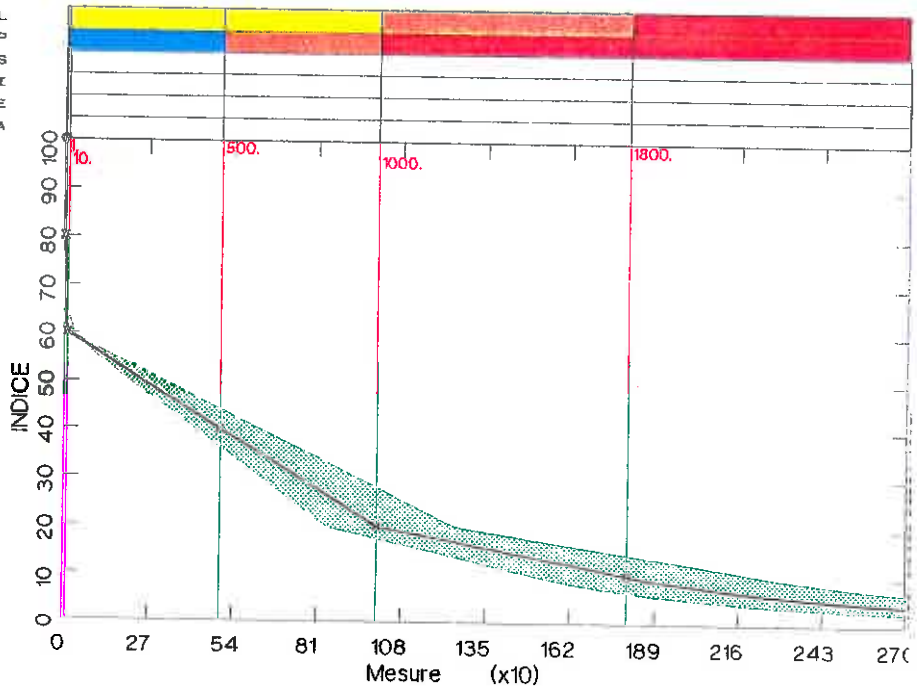
Paramètre : Xylène-méta



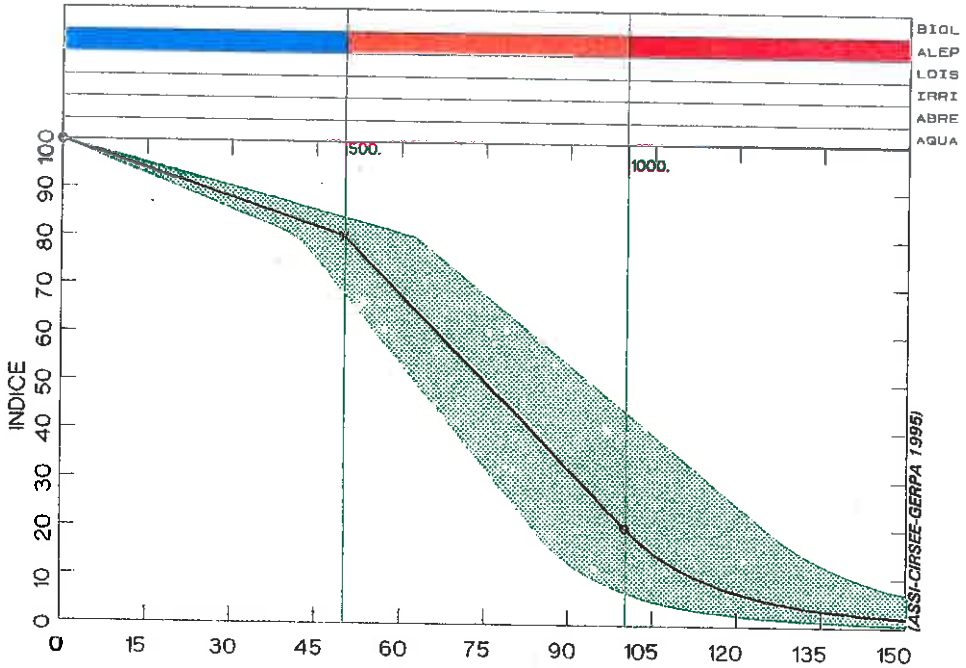
Paramètre : Xylène-ortho



Paramètre : Xylène-para



Paramètre : Total xylènes



MICROPOLLUANTS ORGANIQUES HORS PESTICIDES (µg/l)

9001 7 0 6 0 1 100 20.0 0. Benzène
1 0. 100. 1. 1 1 0 0 0 0
1 1. 80. 0. 1 3 0 0 0 0
1 5. 60. 0. 2 4 0 0 0 0
1 10. 20. 0. 2 5 0 0 0 0
1 50. 10. 0. 3 5 0 0 0 0
1 5000. 5. 0. 4 5 0 0 0 0
3 13000. 1. 1. 5 5 0 0 0 0

9002 7 0 5 3 1 200 20.0 0. Benzo(a)pyrène
1 0. 100. 1. 1 1 0 0 0 0
1 0.005 80. 0. 2 1 0 0 0 0
1 0.01 60. 0. 2 3 0 0 0 0
1 0.05 50. 0. 3 3 0 0 0 0
1 0.1 40. 0. 3 4 0 0 0 0
1 0.2 20. 0. 3 5 0 0 0 0
3 5. 5. 1. 5 5 0 0 0 0

9003 4 0 3 1 1 300 20.0 0. Benzo(b)fluoranthène
1 0. 100. 1. 0 1 0 0 0 0
1 0.2 80. 0. 0 3 0 0 0 0
1 2. 40. 0. 0 4 0 0 0 0
3 4. 20. 1. 0 5 0 0 0 0

9004 4 0 3 1 1 400 20.0 0. Benzo(ghi)pérylène
1 0. 100. 1. 0 1 0 0 0 0
1 0.2 80. 0. 0 3 0 0 0 0
1 2. 40. 0. 0 4 0 0 0 0
3 4. 20. 1. 0 5 0 0 0 0

9005 4 0 3 1 1 500 20.0 0. Benzo(k) fluoranthène
1 0. 100. 1. 0 1 0 0 0 0
1 0.2 80. 0. 0 3 0 0 0 0
1 2. 40. 0. 0 4 0 0 0 0
3 4. 20. 1. 0 5 0 0 0 0

9006 4 0 3 1 1 600 20.0 0. Indeno(1,2,3cd)pyrène
1 0. 100. 1. 0 1 0 0 0 0
1 0.2 80. 0. 0 3 0 0 0 0
1 2. 40. 0. 0 4 0 0 0 0
3 4. 20. 1. 0 5 0 0 0 0

9007 7 0 5 3 1 700 20.0 0. Fluoranthène
1 0. 100. 1. 1 1 0 0 0 0
1 0.004 80. 0. 2 1 0 0 0 0
1 0.04 60. 0. 3 1 0 0 0 0
1 0.2 50. 0. 3 3 0 0 0 0
1 2. 40. 0. 3 4 0 0 0 0
1 4. 20. 0. 4 5 0 0 0 0
3 28. 5. 1. 5 5 0 0 0 0

9008 4 0 3 1 1 810 20.0 0. Total H.A.P.
1 0. 100. 1. 0 1 0 0 0 0
1 0.2 80. 0. 0 3 0 0 0 0
1 0.6 40. 0. 0 4 0 0 0 0
3 1. 20. 1. 0 5 0 0 0 0

9009 7 0 4 2 1 900 20.0 0. Chloroaniline-1,2
1 0. 100. 1. 1 1 0 0 0 0
1 0.01 80. 0. 2 1 0 0 0 0
1 0.1 60. 0. 3 1 0 0 0 0
1 3. 40. 0. 3 4 0 0 0 0
1 6. 20. 0. 3 5 0 0 0 0
1 10. 10. 0. 4 5 0 0 0 0
3 140. 5. 1. 5 5 0 0 0 0

9010 7 0 4 2 1 1000 20.0 0. Chloroaniline-1,3
1 0. 100. 1. 1 1 0 0 0 0
1 0.01 80. 0. 2 1 0 0 0 0
1 0.1 60. 0. 3 1 0 0 0 0
1 3. 40. 0. 3 4 0 0 0 0
1 6. 20. 0. 3 5 0 0 0 0
1 10. 10. 0. 4 5 0 0 0 0
3 140. 5. 1. 5 5 0 0 0 0

9011 7 0 4 2 1 1100 20.0 0. Chloroaniline-1,4
1 0. 100. 1. 1 1 0 0 0 0
1 0.01 80. 0. 2 1 0 0 0 0
1 0.1 60. 0. 3 1 0 0 0 0
1 3. 40. 0. 3 4 0 0 0 0
1 6. 20. 0. 3 5 0 0 0 0
1 10. 10. 0. 4 5 0 0 0 0
3 140. 5. 1. 5 5 0 0 0 0

9012 3 0 2 0 1 1200 20.0 0. Total chloroanilines
1 0. 100. 1. 0 1 0 0 0 0
1 3. 80. 0. 0 4 0 0 0 0
3 6. 20. 0. 0 5 0 0 0 0

9013 8 0 6 0 1 1300 20.0 0. Chloroforme
1 0. 100. 1. 1 1 0 0 0 0
1 12. 80. 0. 2 1 0 0 0 0
1 30. 60. 0. 2 3 0 0 0 0
1 60. 40. 0. 2 4 0 0 0 0
1 120. 30. 0. 3 4 0 0 0 0
1 600. 20. 0. 3 5 0 0 0 0
1 18000. 5. 0. 4 5 0 0 0 0
3 79000. 1. 1. 5 5 0 0 0 0

```
9014 7 0 5 0 1 1400        20.0          0.        Chloronitrobenzène-1,2
   1          0.          100.          1. 1 1 0 0 0 0
   1         15.           80.          0. 1 4 0 0 0 0
   1         30.           50.          0. 2 4 0 0 0 0
   1        150.           20.          0. 2 5 0 0 0 0
   1        300.           10.          0. 3 5 0 0 0 0
   1       3000.            5.          0. 4 5 0 0 0 0
   3       4000.            3.          1. 5 5 0 0 0 0
9015 7 0 5 0 1 1500        20.0          0.        Chloronitrobenzène-1,3
   1          0.          100.          1. 1 1 0 0 0 0
   1         15.           80.          0. 1 4 0 0 0 0
   1         30.           50.          0. 2 4 0 0 0 0
   1        150.           20.          0. 2 5 0 0 0 0
   1        300.           10.          0. 3 5 0 0 0 0
   1       3000.            5.          0. 4 5 0 0 0 0
   3       4000.            3.          1. 5 5 0 0 0 0
9016 7 0 5 0 1 1600        20.0          0.        Chloronitrobenzène-1,4
   1          0.          100.          1. 1 1 0 0 0 0
   1         15.           80.          0. 1 4 0 0 0 0
   1         30.           50.          0. 2 4 0 0 0 0
   1        150.           20.          0. 2 5 0 0 0 0
   1        300.           10.          0. 3 5 0 0 0 0
   1       3000.            5.          0. 4 5 0 0 0 0
   3       4000.            3.          1. 5 5 0 0 0 0
9017 3 0 4 0 1 1700        20.0          0.        Total chloronitrobenzènes
   1          0.          100.          1. 0 1 0 0 0 0
   1         15.           80.          0. 0 4 0 0 0 0
   3        150.           20.          1. 0 5 0 0 0 0
9018 7 0 5 1 1 1800        20.0          0.        Crésol-méta
   1          0.          100.          1. 1 1 0 0 0 0
   1        0.2           80.          0. 1 4 0 0 0 0
   1          2.          20.          0. 1 5 0 0 0 0
   1        100.           15.          0. 2 5 0 0 0 0
   1       1000.            5.          0. 3 5 0 0 0 0
   1       1400.            4.          0. 4 5 0 0 0 0
   3       4300.            2.          1. 5 5 0 0 0 0
9019 7 0 5 1 1 1900        20.0          0.        Crésol-ortho
   1          0.          100.          1. 1 1 0 0 0 0
   1        0.2           80.          0. 1 4 0 0 0 0
   1          2.          20.          0. 1 5 0 0 0 0
   1        100.           15.          0. 2 5 0 0 0 0
   1       1000.            5.          0. 3 5 0 0 0 0
   1       1400.            4.          0. 4 5 0 0 0 0
   3       4300.            2.          1. 5 5 0 0 0 0
9020 7 0 5 1 1 2000        20.0          0.        Crésol-para
   1          0.          100.          1. 1 1 0 0 0 0
   1        0.2           80.          0. 1 4 0 0 0 0
   1          2.          20.          0. 1 5 0 0 0 0
   1        100.           15.          0. 2 5 0 0 0 0
   1       1000.            5.          0. 3 5 0 0 0 0
   1       1400.            4.          0. 4 5 0 0 0 0
   3       4300.            2.          1. 5 5 0 0 0 0
9021 8 0 5 1 1 2100        20.0          0.        Dibuthylétain chlorure
   1          0.          100.          1. 1 1 0 0 0 0
   1        0.9           80.          0. 2 1 0 0 0 0
   1          2.          60.          0. 2 3 0 0 0 0
   1          3.          40.          0. 2 4 0 0 0 0
   1          6.          20.          0. 2 5 0 0 0 0
   1          9.          15.          0. 3 5 0 0 0 0
   1        900.          10.          0. 4 5 0 0 0 0
   3       1800.           5.          1. 5 5 0 0 0 0
9022 8 0 5 1 1 2200        20.0          0.        Dibuthylétain oxyde
   1          0.          100.          1. 1 1 0 0 0 0
   1        0,9           80.          0. 2 1 0 0 0 0
   1          2.          60.          0. 2 3 0 0 0 0
   1          3.          40.          0. 2 4 0 0 0 0
   1          6.          20.          0. 2 5 0 0 0 0
   1          9.          15.          0. 3 5 0 0 0 0
   1        900.          10.          0. 4 5 0 0 0 0
   3       1800.           5.          1. 5 5 0 0 0 0
9023 4 0 2 0 1 2300        20.0          0.        Total dibuthylétains
   1          0.          100.          1. 0 1 0 0 0 0
   1          2.          80.          0. 0 3 0 0 0 0
   1          3.          40.          0. 0 4 0 0 0 0
   3          6.          20.          1. 0 5 0 0 0 0
9024 7 0 4 2 1 2400        20.0          0.        Dichloroaniline-3,4
   1          0.          100.          1. 1 1 0 0 0 0
   1       0,03           80.          0. 2 1 0 0 0 0
   1        0.3           60.          0. 3 1 0 0 0 0
   1          3.          40.          0. 3 4 0 0 0 0
   1          6.          20.          0. 3 5 0 0 0 0
   1          9.          15.          0. 4 5 0 0 0 0
   3        150.           5.          1. 5 5 0 0 0 0
9025 8 0 7 0 1 2500        20.0          0.        Dichloroéthane-1,2
   1          0.          100.          1. 1 1 0 0 0 0
   1         10.           80.          0. 1 3 0 0 0 0
   1         20.           40.          0. 1 4 0 0 0 0
```

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    1       200.          20.          0. 1 5 0 0 0 0
    1      1100.          15.          0. 2 5 0 0 0 0
    1     11000.          10.          0. 3 5 0 0 0 0
    1    120000.           5.          0. 4 5 0 0 0 0
    3    160000.           2.          1. 5 5 0 0 0 0
9026 8 0 5 0 1 2600          20.0            0.          Dichlorobenzène-1,2
    1         0.         100.          1. 1 1 0 0 0 0
    1        20.          80.          0. 2 1 0 0 0 0
    1       200.          60.          0. 3 1 0 0 0 0
    1       600.          50.          0. 3 3 0 0 0 0
    1       740.          40.          0. 4 3 0 0 0 0
    1       800.          35.          0. 4 4 0 0 0 0
    1      1200.          20.          1. 5 4 0 0 0 0
    3      1600.          10.          1. 5 5 0 0 0 0
9027 8 0 5 0 1 2700          20.0            0.          Dichlorobenzène-1,3
    1         0.         100.          1. 1 1 0 0 0 0
    1        20.          80.          0. 2 1 0 0 0 0
    1       200.          60.          0. 3 1 0 0 0 0
    1       600.          50.          0. 3 3 0 0 0 0
    1       740.          40.          0. 4 3 0 0 0 0
    1       800.          35.          0. 4 4 0 0 0 0
    1      1200.          20.          1. 5 4 0 0 0 0
    3      1600.          10.          1. 5 5 0 0 0 0
9028 7 0 5 0 1 2800          20.0            0.          Dichlorobenzène-1,4
    1         0.         100.          1. 1 1 0 0 0 0
    1        20.          80.          0. 2 1 0 0 0 0
    1        75.          60.          0. 2 3 0 0 0 0
    1       100.          40.          0. 2 4 0 0 0 0
    1       200.          20.          0. 3 5 0 0 0 0
    1       740.          10.          0. 4 5 0 0 0 0
    3      1200.           5.          1. 5 5 0 0 0 0
9029 7 0 5 0 1 2900          20.0            0.          Dichlorophénol-2,3
    1         0.         100.          1. 1 1 0 0 0 0
    1         1.          80.          0. 1 4 0 0 0 0
    1        10.          20.          0. 1 5 0 0 0 0
    1        20.          15.          0. 2 5 0 0 0 0
    1       200.          10.          0. 3 5 0 0 0 0
    1       940.           5.          0. 4 5 0 0 0 0
    3      1500.           3.          1. 5 5 0 0 0 0
9030 7 0 5 0 1 3000          20.0            0.          Dichlorophénol-2,4
    1         0.         100.          1. 1 1 0 0 0 0
    1         1.          80.          0. 1 4 0 0 0 0
    1        10.          20.          0. 1 5 0 0 0 0
    1        20.          15.          0. 2 5 0 0 0 0
    1       200.          10.          0. 3 5 0 0 0 0
    1       940.           5.          0. 4 5 0 0 0 0
    3      1500.           3.          1. 5 5 0 0 0 0
9031 7 0 5 0 1 3100          20.0            0.          Dichlorophénol-2,5
    1         0.         100.          1. 1 1 0 0 0 0
    1         1.          80.          0. 1 4 0 0 0 0
    1        10.          20.          0. 1 5 0 0 0 0
    1        20.          15.          0. 2 5 0 0 0 0
    1       200.          10.          0. 3 5 0 0 0 0
    1       940.           5.          0. 4 5 0 0 0 0
    3      1500.           3.          1. 5 5 0 0 0 0
9032 7 0 5 0 1 3200          20.0            0.          Dichlorophénol-2,6
    1         0.         100.          1. 1 1 0 0 0 0
    1         1.          80.          0. 1 4 0 0 0 0
    1        10.          20.          0. 1 5 0 0 0 0
    1        20.          15.          0. 2 5 0 0 0 0
    1       200.          10.          0. 3 5 0 0 0 0
    1       940.           5.          0. 4 5 0 0 0 0
    3      1500.           3.          1. 5 5 0 0 0 0
9033 7 0 5 0 1 3300          20.0            0.          Dichlorophénol-3,4
    1         0.         100.          1. 1 1 0 0 0 0
    1         1.          80.          0. 1 4 0 0 0 0
    1        10.          20.          0. 1 5 0 0 0 0
    1        20.          15.          0. 2 5 0 0 0 0
    1       200.          10.          0. 3 5 0 0 0 0
    1       940.           5.          0. 4 5 0 0 0 0
    3      1500.           3.          1. 5 5 0 0 0 0
9034 7 0 5 0 1 3400          20.0            0.          Dichlorophénol-3,5
    1         0.         100.          1. 1 1 0 0 0 0
    1         1.          80.          0. 1 4 0 0 0 0
    1        10.          20.          0. 1 5 0 0 0 0
    1        20.          15.          0. 2 5 0 0 0 0
    1       200.          10.          0. 3 5 0 0 0 0
    1       940.           5.          0. 4 5 0 0 0 0
    3      1500.           3.          1. 5 5 0 0 0 0
9035 3 0 3 0 1 3500          20.0            0.          Total dichlorophénols
    1         0.         100.          1. 0 1 0 0 0 0
    1         1.          80.          0. 0 4 0 0 0 0
    3        10.          20.          1. 0 5 0 0 0 0
9036 8 0 5 3 1 3600          20.0            0.          Hexachlorobenzène
    1         0.         100.          1. 1 1 0 0 0 0
    1     0.007          80.          0. 2 1 0 0 0 0
    1      0.01          60.          0. 2 3 0 0 0 0
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   1        0.02          40.          0. 2 4 0 0 0 0
   1        0.07          30.          0. 3 4 0 0 0 0
   1         0.1          20.          0. 3 5 0 0 0 0
   1          7.          10.          0. 4 5 0 0 0 0
   3         12.           5.          1. 5 5 0 0 0 0
9037 7 0 4 1 1 3700          20.0              0.        Hexachlorobutadiène
   1          0.         100.          1. 1 1 0 0 0 0
   1         0.1          80.          0. 2 1 0 0 0 0
   1         0.6          40.          0. 2 4 0 0 0 0
   1          1.          30.          0. 3 4 0 0 0 0
   1          6.          20.          0. 3 5 0 0 0 0
   1        120.           5.          0. 4 5 0 0 0 0
   3        130.           3.          1. 5 5 0 0 0 0
9038 7 0 5 3 1 3810          20.0              0.        PCBs
   1          0.         100.          1. 1 1 0 0 0 0
   1       0.001          80.          0. 2 1 0 0 0 0
   1        0.01          60.          0. 3 1 0 0 0 0
   1         0.1          50.          0. 3 3 0 0 0 0
   1         0.5          40.          0. 3 4 0 0 0 0
   1          2.          20.          0. 4 5 0 0 0 0
   3         2.4          15.          1. 5 5 0 0 0 0
9039 6 0 3 1 1 3900          20.0              0.        Pentachlorophénol
   1          0.         100.          1. 1 1 0 0 0 0
   1         0.1          80.          0. 2 4 0 0 0 0
   1          1.          60.          0. 3 4 0 0 0 0
   1          2.          20.          0. 3 5 0 0 0 0
   1         54.          10.          0. 4 5 0 0 0 0
   3         80.           5.          1. 5 5 0 0 0 0
9040 8 0 6 0 1 4010          20.0              0.        Tétrachloroéthylène
   1          0.         100.          1. 1 1 0 0 0 0
   1         10.          80.          0. 1 3 0 0 0 0
   1         20.          40.          0. 1 4 0 0 0 0
   1         50.          30.          0. 2 4 0 0 0 0
   1        200.          20.          0. 2 5 0 0 0 0
   1        500.          15.          0. 3 5 0 0 0 0
   1       5000.          10.          0. 4 5 0 0 0 0
   3      33000.           5.          1. 5 5 0 0 0 0
9041 8 0 6 0 1 4100          20.0              0.        Tetrachlorométhane
   1          0.         100.          1. 1 1 0 0 0 0
   1          3.          80.          0. 1 3 0 0 0 0
   1          4.          40.          0. 1 4 0 0 0 0
   1         12.          20.          0. 1 5 0 0 0 0
   1         35.          15.          0. 2 5 0 0 0 0
   1        350.          10.          0. 3 5 0 0 0 0
   1      35000.           5.          0. 4 5 0 0 0 0
   3      38000.           4.          1. 5 5 0 0 0 0
9042 6 0 5 0 1 4200          20.0              0.        Toluène
   1          0.         100.          1. 1 1 0 0 0 0
   1        100.          80.          0. 2 1 0 0 0 0
   1        700.          40.          0. 2 4 0 0 0 0
   1       1000.          30.          0. 3 4 0 0 0 0
   1       1500.          20.          0. 4 5 0 0 0 0
   3       9500.           5.          1. 5 5 0 0 0 0
9043 6 0 5 3 1 4300          20.0              0.        Tributhylétain oxyde
   1          0.         100.          1. 1 1 0 0 0 0
   1       0.002          80.          0. 2 1 0 0 0 0
   1        0.02          60.          0. 3 1 0 0 0 0
   1         0.1          40.          0. 2 4 0 0 0 0
   1          2.          20.          0. 4 5 0 0 0 0
   3         5.3           5.          1. 5 5 0 0 0 0
9044 8 0 6 0 1 4410          20.0              0.        Trichloroéthane-1,1,1
   1          0.         100.          1. 1 1 0 0 0 0
   1        130.          80.          0. 2 1 0 0 0 0
   1        200.          60.          0. 2 3 0 0 0 0
   1        250.          40.          0. 2 4 0 0 0 0
   1        500.          20.          0. 2 5 0 0 0 0
   1       1300.          15.          0. 3 5 0 0 0 0
   1      11000.          10.          0. 4 5 0 0 0 0
   3      26000.           5.          1. 5 5 0 0 0 0
9045 8 0 6 0 1 4500          20.0              0.        Trichloroéthylène
   1          0.         100.          1. 1 1 0 0 0 0
   1         20.          80.          0. 2 1 0 0 0 0
   1         30.          60.          0. 2 3 0 0 0 0
   1         60.          40.          0. 2 4 0 0 0 0
   1        200.          30.          0. 3 4 0 0 0 0
   1        600.          20.          0. 3 5 0 0 0 0
   1      18000.           5.          0. 4 5 0 0 0 0
   3      23000.           3.          1. 5 5 0 0 0 0
9046 8 0 4 0 1 4600          20.0              0.        Trichlorobenzène-1,2,3
   1          0.         100.          1. 1 1 0 0 0 0
   1          3.          80.          0. 2 1 0 0 0 0
   1         20.          60.          0. 2 3 0 0 0 0
   1         25.          40.          0. 2 4 0 0 0 0
   1         30.          30.          0. 3 4 0 0 0 0
   1         50.          20.          0. 3 5 0 0 0 0
   1        350.          10.          1. 4 5 0 0 0 0
   3        700.           5.          1. 5 5 0 0 0 0
```

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9047 8 0 4 0 1 4700        20.0          0.       Trichlorobenzène-1,2,4
   1          0.          100.        1. 1 1 0 0 0 0
   1          3.           80.        0. 2 1 0 0 0 0
   1         20.           60.        0. 2 3 0 0 0 0
   1         25.           40.        0. 2 4 0 0 0 0
   1         30.           30.        0. 3 4 0 0 0 0
   1         50.           20.        0. 3 5 0 0 0 0
   1        350.           10.        1. 4 5 0 0 0 0
   3        700.            5.        1. 5 5 0 0 0 0
9048 8 0 4 0 1 4800        20.0          0.       Trichlorobenzène-1,3,5
   1          0.          100.        1. 1 1 0 0 0 0
   1          3.           80.        0. 2 1 0 0 0 0
   1         20.           60.        0. 2 3 0 0 0 0
   1         25.           40.        0. 2 4 0 0 0 0
   1         30.           30.        0. 3 4 0 0 0 0
   1         50.           20.        0. 3 5 0 0 0 0
   1        350.           10.        1. 4 5 0 0 0 0
   3        700.            5.        1. 5 5 0 0 0 0
9049 4 0 3 0 1 4900        20.0          0.       Total trichlorobenzènes
   1          0.          100.        1. 0 1 0 0 0 0
   1         20.           80.        0. 0 3 0 0 0 0
   1         25.           40.        0. 0 4 0 0 0 0
   3         50.           20.        0. 0 5 0 0 0 0
9050 7 0 5 1 1 5000        20.0          0.       Trichlorophénol-2,3,5
   1          0.          100.        1. 1 1 0 0 0 0
   1        0.5           80.        0. 2 1 0 0 0 0
   1         1.           40.        0. 2 4 0 0 0 0
   1        4.5           30.        0. 3 4 0 0 0 0
   1         10.           20.        0. 3 5 0 0 0 0
   1        450.           10.        0. 4 5 0 0 0 0
   3       1300.            5.        1. 5 5 0 0 0 0
9051 3 0 3 0 1 5100        20.0          0.       Trichlorophénol-2,3,6
   1          0.          100.        1. 0 1 0 0 0 0
   1          1.           80.        0. 0 4 0 0 0 0
   3         10.           20.        1. 0 5 0 0 0 0
9052 7 0 5 1 1 5200        20.0          0.       Trichlorophénol-2,4,5
   1          0.          100.        1. 1 1 0 0 0 0
   1        0.5           80.        0. 2 1 0 0 0 0
   1         1.           40.        0. 2 4 0 0 0 0
   1        4.5           30.        0. 3 4 0 0 0 0
   1         10.           20.        0. 3 5 0 0 0 0
   1        450.           10.        0. 4 5 0 0 0 0
   3       1300.            5.        1. 5 5 0 0 0 0
9053 7 0 5 1 1 5300        20.0          0.       Trichlorophénol-2,4,6
   1          0.          100.        1. 1 1 0 0 0 0
   1        0.5           80.        0. 2 1 0 0 0 0
   1         1.           40.        0. 2 4 0 0 0 0
   1        4.5           30.        0. 3 4 0 0 0 0
   1         10.           20.        0. 3 5 0 0 0 0
   1        450.           10.        0. 4 5 0 0 0 0
   3       1300.            5.        1. 5 5 0 0 0 0
9054 7 0 5 1 1 5400        20.0          0.       Trichlorophénol-3,4,5
   1          0.          100.        1. 1 1 0 0 0 0
   1        0.5           80.        0. 2 1 0 0 0 0
   1         1.           40.        0. 2 4 0 0 0 0
   1        4.5           30.        0. 3 4 0 0 0 0
   1         10.           20.        0. 3 5 0 0 0 0
   1        450.           10.        0. 4 5 0 0 0 0
   3       1300.            5.        1. 5 5 0 0 0 0
9055 3 0 3 0 1 5500        20.0          0.       Total trichlorophénols
   1          0.          100.        1. 0 1 0 0 0 0
   1          1.           80.        0. 0 4 0 0 0 0
   3         10.           20.        1. 0 5 0 0 0 0
9056 6 0 4 2 1 5600        20.0          0.       Triphénylétain acétate
   1          0.          100.        1. 1 1 0 0 0 0
   1       0.02           80.        0. 2 1 0 0 0 0
   1        0.1           40.        0. 2 4 0 0 0 0
   1        0.2           30.        0. 3 4 0 0 0 0
   1         2.           20.        0. 4 5 0 0 0 0
   3        2.5           10.        1. 5 5 0 0 0 0
9057 6 0 4 2 1 5700        20.0          0.       Triphénylétain chlorure
   1          0.          100.        1. 1 1 0 0 0 0
   1       0.02           80.        0. 2 1 0 0 0 0
   1        0.1           40.        0. 2 4 0 0 0 0
   1        0.2           30.        0. 3 4 0 0 0 0
   1         2.           20.        0. 4 5 0 0 0 0
   3        2.5           10.        1. 5 5 0 0 0 0
9058 6 0 4 2 1 5800        20.0          0.       Triphénylétainhydroxyde
   1          0.          100.        1. 1 1 0 0 0 0
   1       0.02           80.        0. 2 1 0 0 0 0
   1        0.1           40.        0. 2 4 0 0 0 0
   1        0.2           30.        0. 3 4 0 0 0 0
   1         2.           20.        0. 4 5 0 0 0 0
   3        2.5           10.        1. 5 5 0 0 0 0
9059 3 0 3 1 1 5900        20.0          0.       Total triphénylétains
   1          0.          100.        1. 0 1 0 0 0 0
   1        0.1           80.        0. 0 4 0 0 0 0
```

```
   3          2.          20.          1. 0 5 0 0 0 0 0
9060 6 0 5 0 1 6000            20.0          0.          Xylène-méta
   1          0.         100.          1. 1 1 0 0 0 0
   1          1.          80.          0. 2 1 0 0 0 0
   1         10.          60.          0. 3 1 0 0 0 0
   1        500.          40.          0. 3 4 0 0 0 0
   1       1000.          20.          0. 4 5 0 0 0 0
   3       1800.          10.          1. 5 5 0 0 0 0
9061 6 0 5 0 1 6100            20.0          0.          Xylène-ortho
   1          0.         100.          1. 1 1 0 0 0 0
   1          1.          80.          0. 2 1 0 0 0 0
   1         10.          60.          0. 3 1 0 0 0 0
   1        500.          40.          0. 3 4 0 0 0 0
   1       1000.          20.          0. 4 5 0 0 0 0
   3       1800.          10.          1. 5 5 0 0 0 0
9062 6 0 5 0 1 6200            20.0          0.          Xylène-para
   1          0.         100.          1. 1 1 0 0 0 0
   1          1.          80.          0. 2 1 0 0 0 0
   1         10.          60.          0. 3 1 0 0 0 0
   1        500.          40.          0. 3 4 0 0 0 0
   1       1000.          20.          0. 4 5 0 0 0 0
   3       1800.          10.          1. 5 5 0 0 0 0
9063 3 0 5 0 1 6300            20.0          0.          Total xylènes
   1          0.         100.          1. 0 1 0 0 0 0
   1        500.          80.          0. 0 4 0 0 0 0
   3       1000.          20.          1. 0 5 0 0 0 0
```

MICROPOLLUANTS ORGANIQUES HORS PESTICIDES (µg/l)

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9001   7   0   6   0   1  100   20.0000      0.0000      Benzène
   1        0. -20.000        100.00      1 1 0 0 0 0
   1        1. -5.0000        85.000      1 3 0 0 0 0
   1        5. -8.0000        100.00      2 4 0 0 0 0
   1       10.-0.25000        22.500      2 5 0 0 0 0
   1       50.-0.10101E-02    10.051      3 5 0 0 0 0
   1     5000.-0.50000E-03    7.5000      4 5 0 0 0 0
   3    13000. 0.55034E+27   -6.5000      5 5 0 0 0 0
9002   7   0   5   3   1  200   20.0000      0.0000      Benzo(a)pyrène
   1    0.000 -4000.0         100.00      1 1 0 0 0 0
   1    0.005 -4000.0         100.00      2 1 0 0 0 0
   1    0.010 -250.00         62.500      2 3 0 0 0 0
   1    0.050 -200.00         60.000      3 3 0 0 0 0
   1    0.100 -200.00         60.000      3 4 0 0 0 0
   1    0.200 -3.1250         20.625      3 5 0 0 0 0
   3    5.000  764.28         -3.1250     5 5 0 0 0 0
9003   4   0   3   1   1  300   20.0000      0.0000      Benzo(b)fluoranthène
   1      0.0 -100.00         100.00      0 1 0 0 0 0
   1      0.2 -22.222         84.444      0 3 0 0 0 0
   1      2.0 -10.000         60.000      0 4 0 0 0 0
   3      4.0  320.00         -2.0000     0 5 0 0 0 0
9004   4   0   3   1   1  400   20.0000      0.0000      Benzo(ghi)pérylène
   1      0.0 -100.00         100.00      0 1 0 0 0 0
   1      0.2 -22.222         84.444      0 3 0 0 0 0
   1      2.0 -10.000         60.000      0 4 0 0 0 0
   3      4.0  320.00         -2.0000     0 5 0 0 0 0
9005   4   0   3   1   1  500   20.0000      0.0000      Benzo(k) fluoranthène
   1      0.0 -100.00         100.00      0 1 0 0 0 0
   1      0.2 -22.222         84.444      0 3 0 0 0 0
   1      2.0 -10.000         60.000      0 4 0 0 0 0
   3      4.0  320.00         -2.0000     0 5 0 0 0 0
9006   4   0   3   1   1  600   20.0000      0.0000      Indeno(1,2,3cd)pyrène
   1      0.0 -100.00         100.00      0 1 0 0 0 0
   1      0.2 -22.222         84.444      0 3 0 0 0 0
   1      2.0 -10.000         60.000      0 4 0 0 0 0
   3      4.0  320.00         -2.0000     0 5 0 0 0 0
9007   7   0   5   3   1  700   20.0000      0.0000      Fluoranthène
   1    0.000 -5000.0         100.00      1 1 0 0 0 0
   1    0.004 -555.56         82.222      2 1 0 0 0 0
   1    0.040 -62.500         62.500      3 1 0 0 0 0
   1    0.200 -5.5556         51.111      3 3 0 0 0 0
   1    2.000 -10.000         60.000      3 4 0 0 0 0
   1    4.000-0.62500         22.500      4 5 0 0 0 0
   3   28.000 0.58080E+06    -3.5000      5 5 0 0 0 0
9008   4   0   3   1   1  810   20.0000      0.0000      Total H.A.P.
   1      0.0 -100.00         100.00      0 1 0 0 0 0
   1      0.2 -100.00         100.00      0 3 0 0 0 0
   1      0.6 -50.000         70.000      0 4 0 0 0 0
   3      1.0  20.000         -2.5000     0 5 0 0 0 0
9009   7   0   4   2   1  900   20.0000      0.0000      Chloroaniline-1,2
   1     0.00 -2000.0         100.00      1 1 0 0 0 0
   1     0.01 -222.22         82.222      2 1 0 0 0 0
   1     0.10 -6.8966         60.690      3 1 0 0 0 0
   1     3.00 -6.6667         60.000      3 4 0 0 0 0
   1     6.00 -2.5000         35.000      3 5 0 0 0 0
   1    10.00-0.38462E-01     10.385      4 5 0 0 0 0
   3   140.00  1023.7         -1.0769     5 5 0 0 0 0
9010   7   0   4   2   1 1000   20.0000      0.0000      Chloroaniline-1,3
   1     0.00 -2000.0         100.00      1 1 0 0 0 0
   1     0.01 -222.22         82.222      2 1 0 0 0 0
   1     0.10 -6.8966         60.690      3 1 0 0 0 0
   1     3.00 -6.6667         60.000      3 4 0 0 0 0
   1     6.00 -2.5000         35.000      3 5 0 0 0 0
   1    10.00-0.38462E-01     10.385      4 5 0 0 0 0
   3   140.00  1023.7         -1.0769     5 5 0 0 0 0
9011   7   0   4   2   1 1100   20.0000      0.0000      Chloroaniline-1,4
   1     0.00 -2000.0         100.00      1 1 0 0 0 0
   1     0.01 -222.22         82.222      2 1 0 0 0 0
   1     0.10 -6.8966         60.690      3 1 0 0 0 0
   1     3.00 -6.6667         60.000      3 4 0 0 0 0
   1     6.00 -2.5000         35.000      3 5 0 0 0 0
   1    10.00-0.38462E-01     10.385      4 5 0 0 0 0
   3   140.00  1023.7         -1.0769     5 5 0 0 0 0
9012   3   0   2   0   1 1200   20.0000      0.0000      Total chloroanilines
   1       0. -6.6667         100.00      0 1 0 0 0 0
   1       3. -20.000         140.00      0 4 0 0 0 0
   3       6. 0.93312E+06    -6.0000      0 5 0 0 0 0
9013   8   0   6   0   1 1300   20.0000      0.0000      Chloroforme
   1       0. -1.6667         100.00      1 1 0 0 0 0
   1      12. -1.1111         93.333      2 1 0 0 0 0
   1      30.-0.66667         80.000      2 3 0 0 0 0
   1      60.-0.16667         50.000      2 4 0 0 0 0
   1     120.-0.20833E-01     32.500      3 4 0 0 0 0
   1     600.-0.86207E-03     20.517      3 5 0 0 0 0
   1   18000.-0.65574E-04     6.1803      4 5 0 0 0 0
   3   79000. 0.23513E+26    -5.1803      5 5 0 0 0 0
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9014   7   0   5   0   1 1400   20.0000     0.0000      Chloronitrobenzène-1,2
   1        0. -1.3333        100.00      1 1 0 0 0 0
   1       15. -2.0000        110.00      1 4 0 0 0 0
   1       30.-0.25000        57.500      2 4 0 0 0 0
   1      150.-0.66667E-01    30.000      2 5 0 0 0 0
   1      300.-0.18519E-02    10.556      3 5 0 0 0 0
   1     3000.-0.20000E-02    11.000      4 5 0 0 0 0
   3     4000. 0.12095E+11 -2.6667       5 5 0 0 0 0
9015   7   0   5   0   1 1500   20.0000     0.0000      Chloronitrobenzène-1,3
   1        0. -1.3333        100.00      1 1 0 0 0 0
   1       15. -2.0000        110.00      1 4 0 0 0 0
   1       30.-0.25000        57.500      2 4 0 0 0 0
   1      150.-0.66667E-01    30.000      2 5 0 0 0 0
   1      300.-0.18519E-02    10.556      3 5 0 0 0 0
   1     3000.-0.20000E-02    11.000      4 5 0 0 0 0
   3     4000. 0.12095E+11 -2.6667       5 5 0 0 0 0
9016   7   0   5   0   1 1600   20.0000     0.0000      Chloronitrobenzène-1,4
   1        0. -1.3333        100.00      1 1 0 0 0 0
   1       15. -2.0000        110.00      1 4 0 0 0 0
   1       30.-0.25000        57.500      2 4 0 0 0 0
   1      150.-0.66667E-01    30.000      2 5 0 0 0 0
   1      300.-0.18519E-02    10.556      3 5 0 0 0 0
   1     3000.-0.20000E-02    11.000      4 5 0 0 0 0
   3     4000. 0.12095E+11 -2.6667       5 5 0 0 0 0
9017   3   0   4   0   1 1700   20.0000     0.0000      Total chloronitrobenzènes
   1        0. -1.3333        100.00      0 1 0 0 0 0
   1       15.-0.44444        86.667      0 4 0 0 0 0
   3      150. 0.35865E+09 -3.3333       0 5 0 0 0 0
9018   7   0   5   1   1 1800   20.0000     0.0000      Crésol-méta
   1      0.0 -100.00         100.00      1 1 0 0 0 0
   1      0.2 -33.333         86.667      1 4 0 0 0 0
   1      2.0-0.51020E-01     20.102      1 5 0 0 0 0
   1    100.0-0.11111E-01     16.111      2 5 0 0 0 0
   1   1000.0-0.25000E-02     7.5000      3 5 0 0 0 0
   1   1400.0-0.68966E-03     4.9655      4 5 0 0 0 0
   3   4300.0 0.48819E+06 -1.4828       5 5 0 0 0 0
9019   7   0   5   1   1 1900   20.0000     0.0000      Crésol-ortho
   1      0.0 -100.00         100.00      1 1 0 0 0 0
   1      0.2 -33.333         86.667      1 4 0 0 0 0
   1      2.0-0.51020E-01     20.102      1 5 0 0 0 0
   1    100.0-0.11111E-01     16.111      2 5 0 0 0 0
   1   1000.0-0.25000E-02     7.5000      3 5 0 0 0 0
   1   1400.0-0.68966E-03     4.9655      4 5 0 0 0 0
   3   4300.0 0.48819E+06 -1.4828       5 5 0 0 0 0
9020   7   0   5   1   1 2000   20.0000     0.0000      Crésol-para
   1      0.0 -100.00         100.00      1 1 0 0 0 0
   1      0.2 -33.333         86.667      1 4 0 0 0 0
   1      2.0-0.51020E-01     20.102      1 5 0 0 0 0
   1    100.0-0.11111E-01     16.111      2 5 0 0 0 0
   1   1000.0-0.25000E-02     7.5000      3 5 0 0 0 0
   1   1400.0-0.68966E-03     4.9655      4 5 0 0 0 0
   3   4300.0 0.48819E+06 -1.4828       5 5 0 0 0 0
9021   8   0   5   1   1 2100   20.0000     0.0000      Dibuthylétain chlorure
   1      0.0 -22.222         100.00      1 1 0 0 0 0
   1      0.9 -18.182         96.364      2 1 0 0 0 0
   1      2.0 -20.000         100.00      2 3 0 0 0 0
   1      3.0 -6.6667         60.000      2 4 0 0 0 0
   1      6.0 -1.6667         30.000      2 5 0 0 0 0
   1      9.0-0.56117E-02     15.051      3 5 0 0 0 0
   1    900.0-0.55556E-02     15.000      4 5 0 0 0 0
   3   1800.0 0.16200E+08 -2.0000       5 5 0 0 0 0
9022   8   0   5   1   1 2200   20.0000     0.0000      Dibuthylétain oxyde
   1      0.0 -22.222         100.00      1 1 0 0 0 0
   1      0.9 -18.182         96.364      2 1 0 0 0 0
   1      2.0 -20.000         100.00      2 3 0 0 0 0
   1      3.0 -6.6667         60.000      2 4 0 0 0 0
   1      6.0 -1.6667         30.000      2 5 0 0 0 0
   1      9.0-0.56117E-02     15.051      3 5 0 0 0 0
   1    900.0-0.55556E-02     15.000      4 5 0 0 0 0
   3   1800.0 0.16200E+08 -2.0000       5 5 0 0 0 0
9023   4   0   2   0   1 2300   20.0000     0.0000      Total dibuthylétains
   1        0. -10.000        100.00      0 1 0 0 0 0
   1        2. -40.000        160.00      0 3 0 0 0 0
   1        3. -6.6667        60.000      0 4 0 0 0 0
   3        6.  720.00       -2.0000      0 5 0 0 0 0
9024   7   0   4   2   1 2400   20.0000     0.0000      Dichloroaniline-3,4
   1     0.00 -666.67         100.00      1 1 0 0 0 0
   1     0.03 -74.074         82.222      2 1 0 0 0 0
   1     0.30 -7.4074         62.222      3 1 0 0 0 0
   1     3.00 -6.6667         60.000      3 4 0 0 0 0
   1     6.00 -1.6667         30.000      3 5 0 0 0 0
   1     9.00-0.70922E-01     15.638      4 5 0 0 0 0
   3   150.00 0.21328E+06 -2.1277       5 5 0 0 0 0
9025   8   0   7   0   1 2500   20.0000     0.0000      Dichloroéthane-1,2
   1        0. -2.0000        100.00      1 1 0 0 0 0
   1       10. -4.0000        120.00      1 3 0 0 0 0
   1       20.-0.11111        42.222      1 4 0 0 0 0
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   1      200.-0.55556E-02  21.111      1 5 0 0 0 0
   1     1100.-0.50505E-03  15.556      2 5 0 0 0 0
   1    11000.-0.45872E-04  10.505      3 5 0 0 0 0
   1   120000.-0.75000E-04  14.000      4 5 0 0 0 0
   3   160000. 0.33554E+32 -6.0000      5 5 0 0 0 0
9026   8   0   5   0   1 2600   20.0000       0.0000      Dichlorobenzène-1,2
   1       0. -1.0000        100.00      1 1 0 0 0 0
   1      20.-0.11111        82.222      2 1 0 0 0 0
   1     200.-0.25000E-01    65.000      3 1 0 0 0 0
   1     600.-0.71429E-01    92.857      3 3 0 0 0 0
   1     740.-0.83333E-01    101.67      4 3 0 0 0 0
   1     800.-0.37500E-01    65.000      4 4 0 0 0 0
   1    1200.-0.25000E-01    50.000      5 4 0 0 0 0
   3    1600. 0.65536E+14 -4.0000        5 5 0 0 0 0
9027   8   0   5   0   1 2700   20.0000       0.0000      Dichlorobenzène-1,3
   1       0. -1.0000        100.00      1 1 0 0 0 0
   1      20.-0.11111        82.222      2 1 0 0 0 0
   1     200.-0.25000E-01    65.000      3 1 0 0 0 0
   1     600.-0.71429E-01    92.857      3 3 0 0 0 0
   1     740.-0.83333E-01    101.67      4 3 0 0 0 0
   1     800.-0.37500E-01    65.000      4 4 0 0 0 0
   1    1200.-0.25000E-01    50.000      5 4 0 0 0 0
   3    1600. 0.65536E+14 -4.0000        5 5 0 0 0 0
9028   7   0   5   0   1 2800   20.0000       0.0000      Dichlorobenzène-1,4
   1       0. -1.0000        100.00      1 1 0 0 0 0
   1      20.-0.36364        87.273      2 1 0 0 0 0
   1      75.-0.80000        120.00      2 3 0 0 0 0
   1     100.-0.20000        60.000      2 4 0 0 0 0
   1     200.-0.18519E-01    23.704      3 5 0 0 0 0
   1     740.-0.10870E-01    18.043      4 5 0 0 0 0
   3    1200. 0.53904E+09 -2.6087        5 5 0 0 0 0
9029   7   0   5   0   1 2900   20.0000       0.0000      Dichlorophénol-2,3
   1       0. -20.000        100.00      1 1 0 0 0 0
   1       1. -6.6667        86.667      1 4 0 0 0 0
   1      10.-0.50000        25.000      1 5 0 0 0 0
   1      20.-0.27778E-01    15.556      2 5 0 0 0 0
   1     200.-0.67568E-02    11.351      3 5 0 0 0 0
   1     940.-0.35714E-02    8.3571      4 5 0 0 0 0
   3    1500. 0.14084E+07 -1.7857        5 5 0 0 0 0
9030   7   0   5   0   1 3000   20.0000       0.0000      Dichlorophénol-2,4
   1       0. -20.000        100.00      1 1 0 0 0 0
   1       1. -6.6667        86.667      1 4 0 0 0 0
   1      10.-0.50000        25.000      1 5 0 0 0 0
   1      20.-0.27778E-01    15.556      2 5 0 0 0 0
   1     200.-0.67568E-02    11.351      3 5 0 0 0 0
   1     940.-0.35714E-02    8.3571      4 5 0 0 0 0
   3    1500. 0.14084E+07 -1.7857        5 5 0 0 0 0
9031   7   0   5   0   1 3100   20.0000       0.0000      Dichlorophénol-2,5
   1       0. -20.000        100.00      1 1 0 0 0 0
   1       1. -6.6667        86.667      1 4 0 0 0 0
   1      10.-0.50000        25.000      1 5 0 0 0 0
   1      20.-0.27778E-01    15.556      2 5 0 0 0 0
   1     200.-0.67568E-02    11.351      3 5 0 0 0 0
   1     940.-0.35714E-02    8.3571      4 5 0 0 0 0
   3    1500. 0.14084E+07 -1.7857        5 5 0 0 0 0
9032   7   0   5   0   1 3200   20.0000       0.0000      Dichlorophénol-2,6
   1       0. -20.000        100.00      1 1 0 0 0 0
   1       1. -6.6667        86.667      1 4 0 0 0 0
   1      10.-0.50000        25.000      1 5 0 0 0 0
   1      20.-0.27778E-01    15.556      2 5 0 0 0 0
   1     200.-0.67568E-02    11.351      3 5 0 0 0 0
   1     940.-0.35714E-02    8.3571      4 5 0 0 0 0
   3    1500. 0.14084E+07 -1.7857        5 5 0 0 0 0
9033   7   0   5   0   1 3300   20.0000       0.0000      Dichlorophénol-3,4
   1       0. -20.000        100.00      1 1 0 0 0 0
   1       1. -6.6667        86.667      1 4 0 0 0 0
   1      10.-0.50000        25.000      1 5 0 0 0 0
   1      20.-0.27778E-01    15.556      2 5 0 0 0 0
   1     200.-0.67568E-02    11.351      3 5 0 0 0 0
   1     940.-0.35714E-02    8.3571      4 5 0 0 0 0
   3    1500. 0.14084E+07 -1.7857        5 5 0 0 0 0
9034   7   0   5   0   1 3400   20.0000       0.0000      Dichlorophénol-3,5
   1       0. -20.000        100.00      1 1 0 0 0 0
   1       1. -6.6667        86.667      1 4 0 0 0 0
   1      10.-0.50000        25.000      1 5 0 0 0 0
   1      20.-0.27778E-01    15.556      2 5 0 0 0 0
   1     200.-0.67568E-02    11.351      3 5 0 0 0 0
   1     940.-0.35714E-02    8.3571      4 5 0 0 0 0
   3    1500. 0.14084E+07 -1.7857        5 5 0 0 0 0
9035   3   0   3   0   1 3500   20.0000       0.0000      Total dichlorophénols
   1       0. -20.000        100.00      0 1 0 0 0 0
   1       1. -6.6667        86.667      0 4 0 0 0 0
   3      10.  43089.       -3.3333      0 5 0 0 0 0
9036   8   0   5   3   1 3600   20.0000       0.0000      Hexachlorobenzène
   1   0.000 -2857.1         100.00      1 1 0 0 0 0
   1   0.007 -6666.7         126.67      2 1 0 0 0 0
   1   0.010 -2000.0         80.000      2 3 0 0 0 0
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   1      0.020 -200.00       44.000      2 4 0 0 0 0
   1      0.070 -333.33       53.333      3 4 0 0 0 0
   1      0.100 -1.4493       20.145      3 5 0 0 0 0
   1      7.000 -1.0000       17.000      4 5 0 0 0 0
   3     12.000  1945.4      -2.4000      5 5 0 0 0 0
9037   7    0    4    1    1 3700   20.0000        0.0000      Hexachlorobutadiène
   1        0.0 -200.00       100.00      1 1 0 0 0 0
   1        0.1 -80.000       88.000      2 1 0 0 0 0
   1        0.6 -25.000       55.000      2 4 0 0 0 0
   1        1.0 -2.0000       32.000      3 4 0 0 0 0
   1        6.0-0.13158       20.789      3 5 0 0 0 0
   1      120.0-0.20000       29.000      4 5 0 0 0 0
   3      130.0 0.62801E+19 -8.6667      5 5 0 0 0 0
9038   7    0    5    3    1 3810   20.0000        0.0000      PCBs
   1      0.000 -20000.       100.00      1 1 0 0 0 0
   1      0.001 -2222.2       82.222      2 1 0 0 0 0
   1      0.010 -111.11       61.111      3 1 0 0 0 0
   1      0.100 -25.000       52.500      3 3 0 0 0 0
   1      0.500 -13.333       46.667      3 4 0 0 0 0
   1      2.000 -12.500       45.000      4 5 0 0 0 0
   3      2.400  86.400      -2.0000      5 5 0 0 0 0
9039   6    0    3    1    1 3900   20.0000        0.0000      Pentachlorophénol
   1        0.0 -200.00       100.00      1 1 0 0 0 0
   1        0.1 -22.222       82.222      2 4 0 0 0 0
   1        1.0 -40.000       100.00      3 4 0 0 0 0
   1        2.0-0.19231       20.385      3 5 0 0 0 0
   1       54.0-0.19231       20.385      4 5 0 0 0 0
   3       80.0 0.35862E+07 -3.0769      5 5 0 0 0 0
9040   8    0    6    0    1 4010   20.0000        0.0000      Tétrachloroéthylène
   1         0. -2.0000       100.00      1 1 0 0 0 0
   1        10. -4.0000       120.00      1 3 0 0 0 0
   1        20.-0.33333       46.667      1 4 0 0 0 0
   1        50.-0.66667E-01   33.333      2 4 0 0 0 0
   1       200.-0.16667E-01   23.333      2 5 0 0 0 0
   1       500.-0.11111E-02   15.556      3 5 0 0 0 0
   1      5000.-0.17857E-03   10.893      4 5 0 0 0 0
   3     33000. 0.10577E+07 -1.1786      5 5 0 0 0 0
9041   8    0    6    0    1 4100   20.0000        0.0000      Tetrachlorométhane
   1         0. -6.6667       100.00      1 1 0 0 0 0
   1         3. -40.000       200.00      1 3 0 0 0 0
   1         4. -2.5000       50.000      1 4 0 0 0 0
   1        12.-0.21739       22.609      1 5 0 0 0 0
   1        35.-0.15873E-01   15.556      2 5 0 0 0 0
   1       350.-0.14430E-03   10.051      3 5 0 0 0 0
   1     35000.-0.33333E-03   16.667      4 5 0 0 0 0
   3     38000. 0.12726E+16 -3.1667      5 5 0 0 0 0
9042   6    0    5    0    1 4200   20.0000        0.0000      Toluène
   1         0.-0.20000       100.00      1 1 0 0 0 0
   1       100.-0.66667E-01   86.667      2 1 0 0 0 0
   1       700.-0.33333E-01   63.333      2 4 0 0 0 0
   1      1000.-0.20000E-01   50.000      3 4 0 0 0 0
   1      1500.-0.18750E-02   22.813      4 5 0 0 0 0
   3      9500. 0.74065E+15 -3.5625      5 5 0 0 0 0
9043   6    0    5    3    1 4300   20.0000        0.0000      Tributhylétain oxyde
   1      0.000 -10000.       100.00      1 1 0 0 0 0
   1      0.002 -1111.1       82.222      2 1 0 0 0 0
   1      0.020 -250.00       65.000      3 1 0 0 0 0
   1      0.100 -10.526       41.053      2 4 0 0 0 0
   1      2.000 -4.5455       29.091      4 5 0 0 0 0
   3      5.300  15441.      -4.8182      5 5 0 0 0 0
9044   8    0    6    0    1 4410   20.0000        0.0000      Trichloroéthane-1,1,1
   1         0.-0.15385       100.00      1 1 0 0 0 0
   1       130.-0.28571       117.14      2 1 0 0 0 0
   1       200.-0.40000       140.00      2 3 0 0 0 0
   1       250.-0.80000E-01   60.000      2 4 0 0 0 0
   1       500.-0.62500E-02   23.125      2 5 0 0 0 0
   1      1300.-0.51546E-03   15.670      3 5 0 0 0 0
   1     11000.-0.33333E-03   13.667      4 5 0 0 0 0
   3     26000. 0.22469E+09 -1.7333      5 5 0 0 0 0
9045   8    0    6    0    1 4500   20.0000        0.0000      Trichloroéthylène
   1         0. -1.0000       100.00      1 1 0 0 0 0
   1        20. -2.0000       120.00      2 1 0 0 0 0
   1        30.-0.66667       80.000      2 3 0 0 0 0
   1        60.-0.71429E-01   44.286      2 4 0 0 0 0
   1       200.-0.25000E-01   35.000      3 4 0 0 0 0
   1       600.-0.86207E-03   20.517      3 5 0 0 0 0
   1     18000.-0.40000E-03   12.200      4 5 0 0 0 0
   3     23000. 0.71299E+14 -3.0667      5 5 0 0 0 0
9046   8    0    4    0    1 4600   20.0000        0.0000      Trichlorobenzène-1,2,3
   1         0. -6.6667       100.00      1 1 0 0 0 0
   1         3. -1.1765       83.529      2 1 0 0 0 0
   1        20. -4.0000       140.00      2 3 0 0 0 0
   1        25. -2.0000       90.000      2 4 0 0 0 0
   1        30.-0.50000       45.000      3 4 0 0 0 0
   1        50.-0.33333E-01   21.667      3 5 0 0 0 0
   1       350.-0.14286E-01   15.000      4 5 0 0 0 0
   3       700. 0.24500E+07 -2.0000      5 5 0 0 0 0
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9047   8   0   4   0   1 4700   20.0000      0.0000      Trichlorobenzène-1,2,4
   1        0. -6.6667        100.00      1 1 0 0 0 0
   1        3. -1.1765        83.529      2 1 0 0 0 0
   1       20. -4.0000        140.00      2 3 0 0 0 0
   1       25. -2.0000        90.000      2 4 0 0 0 0
   1       30.-0.50000        45.000      3 4 0 0 0 0
   1       50.-0.33333E-01    21.667      3 5 0 0 0 0
   1      350.-0.14286E-01    15.000      4 5 0 0 0 0
   3      700. 0.24500E+07   -2.0000      5 5 0 0 0 0
9048   8   0   4   0   1 4800   20.0000      0.0000      Trichlorobenzène-1,3,5
   1        0. -6.6667        100.00      1 1 0 0 0 0
   1        3. -1.1765        83.529      2 1 0 0 0 0
   1       20. -4.0000        140.00      2 3 0 0 0 0
   1       25. -2.0000        90.000      2 4 0 0 0 0
   1       30.-0.50000        45.000      3 4 0 0 0 0
   1       50.-0.33333E-01    21.667      3 5 0 0 0 0
   1      350.-0.14286E-01    15.000      4 5 0 0 0 0
   3      700. 0.24500E+07   -2.0000      5 5 0 0 0 0
9049   4   0   3   0   1 4900   20.0000      0.0000      Total trichlorobenzènes
   1        0. -1.0000        100.00      0 1 0 0 0 0
   1       20. -8.0000        240.00      0 3 0 0 0 0
   1       25.-0.80000        60.000      0 4 0 0 0 0
   3       50.  50000.       -2.0000      0 5 0 0 0 0
9050   7   0   5   1   1 5000   20.0000      0.0000      Trichlorophénol-2,3,5
   1      0.0 -40.000         100.00      1 1 0 0 0 0
   1      0.5 -80.000         120.00      2 1 0 0 0 0
   1      1.0 -2.8571         42.857      2 4 0 0 0 0
   1      4.5 -1.8182         38.182      3 4 0 0 0 0
   1     10.0-0.22727E-01     20.227      3 5 0 0 0 0
   1    450.0-0.58824E-02     12.647      4 5 0 0 0 0
   3   1300.0 0.28938E+06    -1.5294      5 5 0 0 0 0
9051   3   0   3   0   1 5100   20.0000      0.0000      Trichlorophénol-2,3,6
   1        0. -20.000        100.00      0 1 0 0 0 0
   1        1. -6.6667        86.667      0 4 0 0 0 0
   3       10.  43089.       -3.3333      0 5 0 0 0 0
9052   7   0   5   1   1 5200   20.0000      0.0000      Trichlorophénol-2,4,5
   1      0.0 -40.000         100.00      1 1 0 0 0 0
   1      0.5 -80.000         120.00      2 1 0 0 0 0
   1      1.0 -2.8571         42.857      2 4 0 0 0 0
   1      4.5 -1.8182         38.182      3 4 0 0 0 0
   1     10.0-0.22727E-01     20.227      3 5 0 0 0 0
   1    450.0-0.58824E-02     12.647      4 5 0 0 0 0
   3   1300.0 0.28938E+06    -1.5294      5 5 0 0 0 0
9053   7   0   5   1   1 5300   20.0000      0.0000      Trichlorophénol-2,4,6
   1      0.0 -40.000         100.00      1 1 0 0 0 0
   1      0.5 -80.000         120.00      2 1 0 0 0 0
   1      1.0 -2.8571         42.857      2 4 0 0 0 0
   1      4.5 -1.8182         38.182      3 4 0 0 0 0
   1     10.0-0.22727E-01     20.227      3 5 0 0 0 0
   1    450.0-0.58824E-02     12.647      4 5 0 0 0 0
   3   1300.0 0.28938E+06    -1.5294      5 5 0 0 0 0
9054   7   0   5   1   1 5400   20.0000      0.0000      Trichlorophénol-3,4,5
   1      0.0 -40.000         100.00      1 1 0 0 0 0
   1      0.5 -80.000         120.00      2 1 0 0 0 0
   1      1.0 -2.8571         42.857      2 4 0 0 0 0
   1      4.5 -1.8182         38.182      3 4 0 0 0 0
   1     10.0-0.22727E-01     20.227      3 5 0 0 0 0
   1    450.0-0.58824E-02     12.647      4 5 0 0 0 0
   3   1300.0 0.28938E+06    -1.5294      5 5 0 0 0 0
9055   3   0   3   0   1 5500   20.0000      0.0000      Total trichlorophénols
   1        0. -20.000        100.00      0 1 0 0 0 0
   1        1. -6.6667        86.667      0 4 0 0 0 0
   3       10.  43089.       -3.3333      0 5 0 0 0 0
9056   6   0   4   2   1 5600   20.0000      0.0000      Triphénylétain acétate
   1     0.00 -1000.0         100.00      1 1 0 0 0 0
   1     0.02 -500.00         90.000      2 1 0 0 0 0
   1     0.10 -100.00         50.000      2 4 0 0 0 0
   1     0.20 -5.5556         31.111      3 4 0 0 0 0
   1     2.00 -20.000         60.000      4 5 0 0 0 0
   3     2.50  976.56        -5.0000      5 5 0 0 0 0
9057   6   0   4   2   1 5700   20.0000      0.0000      Triphénylétain chlorure
   1     0.00 -1000.0         100.00      1 1 0 0 0 0
   1     0.02 -500.00         90.000      2 1 0 0 0 0
   1     0.10 -100.00         50.000      2 4 0 0 0 0
   1     0.20 -5.5556         31.111      3 4 0 0 0 0
   1     2.00 -20.000         60.000      4 5 0 0 0 0
   3     2.50  976.56        -5.0000      5 5 0 0 0 0
9058   6   0   4   2   1 5800   20.0000      0.0000      Triphénylétainhydroxyde
   1     0.00 -1000.0         100.00      1 1 0 0 0 0
   1     0.02 -500.00         90.000      2 1 0 0 0 0
   1     0.10 -100.00         50.000      2 4 0 0 0 0
   1     0.20 -5.5556         31.111      3 4 0 0 0 0
   1     2.00 -20.000         60.000      4 5 0 0 0 0
   3     2.50  976.56        -5.0000      5 5 0 0 0 0
9059   3   0   3   1   1 5900   20.0000      0.0000      Total triphénylétains
   1      0.0 -200.00         100.00      0 1 0 0 0 0
   1      0.1 -31.579         83.158      0 4 0 0 0 0
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   3        2.0  178.51      -3.1579     0 5 0 0 0 0
9060   6    0    5    0    1 6000   20.0000      0.0000      Xylène-méta
   1         0. -20.000        100.00      1 1 0 0 0 0
   1         1. -2.2222        82.222      2 1 0 0 0 0
   1       10.-0.40816E-01     60.408      3 1 0 0 0 0
   1      500.-0.40000E-01     60.000      3 4 0 0 0 0
   1     1000.-0.12500E-01     32.500      4 5 0 0 0 0
   3     1800. 0.21104E+09 -2.2500        5 5 0 0 0 0
9061   6    0    5    0    1 6100   20.0000      0.0000      Xylène-ortho
   1         0. -20.000        100.00      1 1 0 0 0 0
   1         1. -2.2222        82.222      2 1 0 0 0 0
   1       10.-0.40816E-01     60.408      3 1 0 0 0 0
   1      500.-0.40000E-01     60.000      3 4 0 0 0 0
   1     1000.-0.12500E-01     32.500      4 5 0 0 0 0
   3     1800. 0.21104E+09 -2.2500        5 5 0 0 0 0
9062   6    0    5    0    1 6200   20.0000      0.0000      Xylène-para
   1         0. -20.000        100.00      1 1 0 0 0 0
   1         1. -2.2222        82.222      2 1 0 0 0 0
   1       10.-0.40816E-01     60.408      3 1 0 0 0 0
   1      500.-0.40000E-01     60.000      3 4 0 0 0 0
   1     1000.-0.12500E-01     32.500      4 5 0 0 0 0
   3     1800. 0.21104E+09 -2.2500        5 5 0 0 0 0
9063   3    0    5    0    1 6300   20.0000      0.0000      Total xylènes
   1         0.-0.40000E-01     100.00      0 1 0 0 0 0
   1       500.-0.12000         140.00      0 4 0 0 0 0
   3      1000. 0.20000E+20 -6.0000        0 5 0 0 0 0
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Le **SEQ-eau** permet une évaluation complète de la **qualité de l'eau** fondée sur la notion d'altération de la qualité.

Le regroupement de paramètres dans un nombre limité d'altérations conduit à proposer un langage commun capable de prendre en compte les spécificités régionales (variétés des paramètres).

Il indique aussi l'aptitude de l'eau à satisfaire les **fonctions et usages** du cours d'eau.

Le SEQ-eau offre ainsi la possibilité :

– de constater l'aptitude de l'eau à satisfaire les fonctions et usages,

– de la comparer avec ce qui est souhaité,

– d'identifier la ou les altération(s) qui pose(nt) prioritairement problème,

– de définir alors un **objectif de restauration de la qualité** des eaux pour chaque altération concernée,

– et de **suivre**, avec les classes et les indices de qualité, **l'efficacité des différentes politiques** de restaurations de la qualité de l'eau.

L'étude de rodage consolide les seuils d'aptitude aux usages et à la biologie à partir des connaissances scientifiques actuelles et de la réglementation. Elle teste les écarts entre les pratiques actuelles dans les bassins et les résultats offerts par cet outil commun.

AGENCE DE L'EAU ADOUR-GARONNE
90, rue du Férétra
31078 TOULOUSE CEDEX
Tél. : 05 61 36 37 38
Fax : 05 61 36 37 28

AGENCE DE L'EAU ARTOIS-PICARDIE
200, rue Marceline
B.P. 818
59508 DOUAI CEDEX
Tél. : 03 27 99 90 00
Fax : 03 27 99 90 15

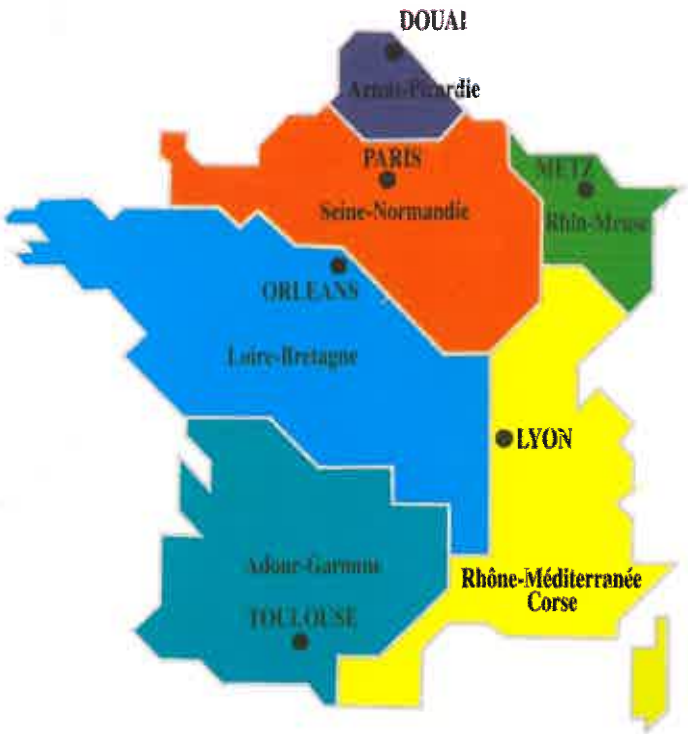
AGENCE DE L'EAU LOIRE-BRETAGNE
Avenue Buffon
B.P. 6339
45063 ORLEANS LA SOURCE CEDEX 2
Tél. : 02 38 51 73 73
Fax : 02 38 51 74 74

AGENCE DE L'EAU RHIN-MEUSE
ROZERIEULLES
B.P. 19
57161 MOULINS-LES-METZ CEDEX
Tél. : 03 87 34 47 00
Fax : 03 87 60 49 85

AGENCE DE L'EAU
RHONE-MEDITERRANEE-CORSE
2-4, allée de Lodz
près de l'avenue Tony Garnier
69363 LYON CEDEX 07
Tél. : 04 72 71 26 00
Fax : 04 72 71 26 01

AGENCE DE L'EAU SEINE-NORMANDIE
51, rue Salvador-Allende
92027 NANTERRE CEDEX
Tél. : 01 41 20 16 00
Fax : 01 41 20 16 09

MINISTERE
DE L'ENVIRONNEMENT
DIRECTION DE L'EAU
20, avenue de Ségur
75302 PARIS 07 SP
Tél. : 01 42 19 20 21
Fax : 01 42 19 12 22



Agences de l'Eau

MINISTERE DE L'AMÉNAGEMENT DU TERRITOIRE ET DE L'ENVIRONNEMENT

Secrétariat : Office International de l'Eau, 21 rue de Madrid - 75008 PARIS
Tél. : 01 45 22 14 67 - Fax : 01 40 08 01 45