



Exposition aux contaminants alimentaires  
pendant les trois derniers mois de grossesse

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## 1 Objectifs et présentation des variables construites

Le projet COCTELL, coordonné par Jérémie Botton et financé par l'ANR (ANR-14-CE21-0002), avait pour objectif de décrire l'exposition alimentaire à différents contaminants, de définir des profils d'exposition dans la population des femmes enceintes et des enfants et d'étudier l'évolution de ces expositions de la grossesse à la petite enfance. D'un point de vue étiologique, il était prévu d'étudier les associations entre ces expositions, contaminant par contaminant ou en mélanges, et la croissance pré et postnatale et le développement cognitif. Le projet s'appuyait pour cela sur les données de 2 cohortes françaises de naissance, EDEN (plus avancée en âge) et Elfe (nationale et représentative) et sur le travail de mesures de contaminants dans les aliments fait par l'ANSES dans le cadre des études de l'alimentation totale (EAT).

## 2 Description des données sources

Pour les consommations alimentaires, les données sources sont les apports journaliers des différents items du questionnaire de fréquence alimentaire posé à la maternité (base EQR1) <sup>1</sup>.

Pour les niveaux de contamination des différentes denrées alimentaires, les données sont celles de la seconde EAT française <sup>2</sup>.

## 3 Traitement des données

Le travail d'évaluation des expositions, d'identification des mélanges et de classification des individus a été réalisé par l'ANSES (M. Hulin, T. Traoré, V. Sirot, A. Crépet). Les méthodes utilisées, les mélanges de contaminants et groupes d'individus identifiés ont été précédemment décrits <sup>3</sup>.

Brièvement, les expositions ont été évaluées en combinant les données de contamination pour plus de 430 substances, analysées dans la seconde EAT française, avec les données de consommation issues du questionnaire de fréquence alimentaire posé à la maternité et portant sur les 3 derniers mois de la grossesse.

Dans un deuxième temps, à partir des expositions aux contaminants alimentaires, des mélanges de contaminants ont été identifiées par une méthode de réduction de la dimension (Sparse Non-negative Matrix Under approximation, SNMU) : 8 mélanges ont ainsi été identifiés.

Dans un troisième temps, une classification ascendante hiérarchique a permis la définition de classes d'individus ayant des profils d'exposition similaires : 6 groupes d'individus ont été identifiés.

## 4 Conditions d'utilisation

Remerciements :

Les données sont issues du projet COCTELL, financé par l'ANR (ANR-14-CE21-0002) et coordonné par Jérémie Botton, avec la participation de Thiéma Traoré, Amélie Crépet, Marion Hulin, Véronique Sirot, Jérémie Botton, Manik Kadawathagedara, Anne Forhan, Blandine de Lauzon-Guillain, Barbara Heude et Marie-Aline Charles.

## 5 Liste des variables construites

### 5.1 Exposition aux contaminants alimentaires

Pour chaque contaminant alimentaire, pour permettre de disposer de données quantitatives, 3 valeurs sont fournies

- Hypothèse haute : valeur <LOD (limite de détection) remplacée par la LOD, valeur <LOQ (limite de quantification) remplacée par la LOQ
- Hypothèse moyenne : valeur <LOD remplacée par ½ LOD, valeur <LOQ remplacée par 1/2 LOQ
- Hypothèse basse : <LOD remplacée par 0, valeur <LOQ remplacée par la LOD

| NOM                 | Label (unité)                     | N     | Moyenne   | Ecart-type | Minimum | Maximum    |
|---------------------|-----------------------------------|-------|-----------|------------|---------|------------|
| bacrylamideHB1      | acrylamide Hyp.Basse(ng/j)        | 15226 | 32405,640 | 34866,850  | 135,108 | 778036,990 |
| bacrylamideHM1      | acrylamide Hyp.Moyenne(ng/j)      | 15226 | 32540,090 | 34916,710  | 136,688 | 780422,120 |
| bacrylamideHH1      | acrylamide Hyp.Haute(ng/j)        | 15226 | 32960,570 | 35065,340  | 140,374 | 788320,060 |
| bacide_tartriqueHB1 | acide_tartrique Hyp.Basse(µg/j)   | 15226 | 8438,270  | 14124,810  | 0,000   | 312548,880 |
| bacide_tartriqueHM1 | acide_tartrique Hyp.Moyenne(µg/j) | 15226 | 10357,160 | 14762,800  | 0,000   | 328887,200 |
| bacide_tartriqueHH1 | acide_tartrique Hyp.Haute(µg/j)   | 15226 | 13218,080 | 16279,850  | 0,000   | 378496,030 |

|                  |                                |       |          |           |         |            |
|------------------|--------------------------------|-------|----------|-----------|---------|------------|
| bnitritesHB1     | nitrites Hyp.Basse(µg/j)       | 15226 | 27,146   | 49,860    | 0,000   | 2440,750   |
| bnitritesHM1     | nitrites Hyp.Moyenne(µg/j)     | 15226 | 59,001   | 112,231   | 0,000   | 5762,670   |
| bnitritesHH1     | nitrites Hyp.Haute(µg/j)       | 15226 | 110,204  | 215,794   | 0,000   | 11446,830  |
| brocouHB1        | rocou Hyp.Basse(µg/j)          | 15226 | 8,321    | 15,030    | 0,000   | 138,967    |
| brocouHM1        | rocou Hyp.Moyenne(µg/j)        | 15226 | 106,072  | 143,775   | 0,038   | 3500,930   |
| brocouHH1        | rocou Hyp.Haute(µg/j)          | 15226 | 203,824  | 284,010   | 0,075   | 7001,860   |
| bsulfitesHB1     | sulfites Hyp.Basse(µg/j)       | 15226 | 2541,980 | 5904,000  | 0,490   | 80019,740  |
| bsulfitesHM1     | sulfites Hyp.Moyenne(µg/j)     | 15226 | 3071,780 | 6077,840  | 18,589  | 84316,770  |
| bsulfitesHH1     | sulfites Hyp.Haute(µg/j)       | 15226 | 3629,420 | 6301,300  | 33,987  | 92876,710  |
| bBPAHB1          | BPA Hyp.Basse(ng/j)            | 15226 | 4161,570 | 4336,310  | 194,577 | 132717,620 |
| bBPAHM1          | BPA Hyp.Moyenne(ng/j)          | 15226 | 4298,020 | 4362,810  | 251,969 | 133374,540 |
| bBPAAH1          | BPA Hyp.Haute(ng/j)            | 15226 | 4434,470 | 4390,270  | 309,361 | 134031,460 |
| bHCDD_1234678HB1 | HCDD_1234678 Hyp.Basse(pg/j)   | 15226 | 24,473   | 22,931    | 0,651   | 785,093    |
| bHCDD_1234678HM1 | HCDD_1234678 Hyp.Moyenne(pg/j) | 15226 | 24,473   | 22,931    | 0,651   | 785,094    |
| bHCDD_1234678HH1 | HCDD_1234678 Hyp.Haute(pg/j)   | 15226 | 24,473   | 22,931    | 0,651   | 785,095    |
| bHCDD_123478HB1  | HCDD_123478 Hyp.Basse(pg/j)    | 15226 | 1,902    | 1,503     | 0,046   | 44,097     |
| bHCDD_123478HM1  | HCDD_123478 Hyp.Moyenne(pg/j)  | 15226 | 2,244    | 1,682     | 0,054   | 47,530     |
| bHCDD_123478HH1  | HCDD_123478 Hyp.Haute(pg/j)    | 15226 | 2,586    | 1,872     | 0,061   | 50,962     |
| bHCDD_123678HB1  | HCDD_123678 Hyp.Basse(pg/j)    | 15226 | 7,221    | 5,651     | 0,175   | 152,581    |
| bHCDD_123678HM1  | HCDD_123678 Hyp.Moyenne(pg/j)  | 15226 | 7,368    | 5,708     | 0,178   | 153,688    |
| bHCDD_123678HH1  | HCDD_123678 Hyp.Haute(pg/j)    | 15226 | 7,515    | 5,768     | 0,181   | 154,796    |
| bHCDD_123789HB1  | HCDD_123789 Hyp.Basse(pg/j)    | 15226 | 2,496    | 1,910     | 0,051   | 54,399     |
| bHCDD_123789HM1  | HCDD_123789 Hyp.Moyenne(pg/j)  | 15226 | 2,784    | 2,048     | 0,058   | 57,616     |
| bHCDD_123789HH1  | HCDD_123789 Hyp.Haute(pg/j)    | 15226 | 3,072    | 2,196     | 0,064   | 60,833     |
| bHCDF_1234678HB1 | HCDF_1234678 Hyp.Basse(pg/j)   | 15226 | 11,172   | 9,093     | 0,279   | 282,407    |
| bHCDF_1234678HM1 | HCDF_1234678 Hyp.Moyenne(pg/j) | 15226 | 11,186   | 9,102     | 0,280   | 282,561    |
| bHCDF_1234678HH1 | HCDF_1234678 Hyp.Haute(pg/j)   | 15226 | 11,199   | 9,112     | 0,280   | 282,714    |
| bHCDF_123478HB1  | HCDF_123478 Hyp.Basse(pg/j)    | 15226 | 8,792    | 6,688     | 0,218   | 207,157    |
| bHCDF_123478HM1  | HCDF_123478 Hyp.Moyenne(pg/j)  | 15226 | 8,824    | 6,709     | 0,219   | 207,516    |
| bHCDF_123478HH1  | HCDF_123478 Hyp.Haute(pg/j)    | 15226 | 8,855    | 6,730     | 0,220   | 207,875    |
| bHCDF_1234789HB1 | HCDF_1234789 Hyp.Basse(pg/j)   | 15226 | 6,216    | 4,699     | 0,150   | 148,466    |
| bHCDF_1234789HM1 | HCDF_1234789 Hyp.Moyenne(pg/j) | 15226 | 6,399    | 4,795     | 0,154   | 150,836    |
| bHCDF_1234789HH1 | HCDF_1234789 Hyp.Haute(pg/j)   | 15226 | 6,581    | 4,892     | 0,157   | 153,206    |
| bHCDF_123678HB1  | HCDF_123678 Hyp.Basse(pg/j)    | 15226 | 5,157    | 3,719     | 0,116   | 107,169    |
| bHCDF_123678HM1  | HCDF_123678 Hyp.Moyenne(pg/j)  | 15226 | 5,209    | 3,750     | 0,117   | 107,894    |
| bHCDF_123678HH1  | HCDF_123678 Hyp.Haute(pg/j)    | 15226 | 5,261    | 3,781     | 0,118   | 108,620    |
| bHCDF_123789HB1  | HCDF_123789 Hyp.Basse(pg/j)    | 15226 | 1,299    | 1,009     | 0,032   | 27,604     |
| bHCDF_123789HM1  | HCDF_123789 Hyp.Moyenne(pg/j)  | 15226 | 1,798    | 1,345     | 0,042   | 38,983     |
| bHCDF_123789HH1  | HCDF_123789 Hyp.Haute(pg/j)    | 15226 | 2,296    | 1,692     | 0,053   | 50,738     |
| bHCDF_234678HB1  | HCDF_234678 Hyp.Basse(pg/j)    | 15226 | 2,460    | 1,992     | 0,052   | 62,025     |
| bHCDF_234678HM1  | HCDF_234678 Hyp.Moyenne(pg/j)  | 15226 | 2,783    | 2,213     | 0,061   | 66,219     |
| bHCDF_234678HH1  | HCDF_234678 Hyp.Haute(pg/j)    | 15226 | 3,105    | 2,439     | 0,070   | 71,545     |
| bOCDDHB1         | OCDD Hyp.Basse(pg/j)           | 15226 | 104,666  | 111,863   | 2,827   | 3948,180   |
| bOCDDHM1         | OCDD Hyp.Moyenne(pg/j)         | 15226 | 104,715  | 111,870   | 2,827   | 3948,180   |
| bOCDDHH1         | OCDD Hyp.Haute(pg/j)           | 15226 | 104,764  | 111,877   | 2,827   | 3948,180   |
| bOCDFHB1         | OCDF Hyp.Basse(pg/j)           | 15226 | 30,519   | 23,404    | 0,744   | 717,061    |
| bOCDFHM1         | OCDF Hyp.Moyenne(pg/j)         | 15226 | 30,626   | 23,441    | 0,745   | 717,473    |
| bOCDFHH1         | OCDF Hyp.Haute(pg/j)           | 15226 | 30,732   | 23,478    | 0,746   | 717,886    |
| bPCB_105HB1      | PCB_105 Hyp.Basse(pg/j)        | 15226 | 9717,850 | 13525,160 | 132,143 | 410567,230 |
| bPCB_105HM1      | PCB_105 Hyp.Moyenne(pg/j)      | 15226 | 9718,360 | 13525,290 | 132,143 | 410570,200 |
| bPCB_105HH1      | PCB_105 Hyp.Haute(pg/j)        | 15226 | 9718,880 | 13525,420 | 132,143 | 410573,170 |
| bPCB_114HB1      | PCB_114 Hyp.Basse(pg/j)        | 15226 | 741,227  | 996,410   | 6,920   | 29017,900  |
| bPCB_114HM1      | PCB_114 Hyp.Moyenne(pg/j)      | 15226 | 763,706  | 1003,540  | 12,936  | 29132,840  |
| bPCB_114HH1      | PCB_114 Hyp.Haute(pg/j)        | 15226 | 786,186  | 1010,840  | 14,071  | 29247,790  |

|                |                                |       |           |           |         |             |
|----------------|--------------------------------|-------|-----------|-----------|---------|-------------|
| bPCB_118HB1    | PCB_118 Hyp.Basse(pg/j)        | 15226 | 32574,720 | 41578,160 | 428,400 | 1293389,920 |
| bPCB_118HM1    | PCB_118 Hyp.Moyenne(pg/j)      | 15226 | 32575,050 | 41578,320 | 428,400 | 1293394,090 |
| bPCB_118HH1    | PCB_118 Hyp.Haute(pg/j)        | 15226 | 32575,370 | 41578,480 | 428,400 | 1293398,250 |
| bPCB_123HB1    | PCB_123 Hyp.Basse(pg/j)        | 15226 | 960,315   | 1529,930  | 11,363  | 50209,910   |
| bPCB_123HM1    | PCB_123 Hyp.Moyenne(pg/j)      | 15226 | 972,024   | 1531,900  | 11,608  | 50242,060   |
| bPCB_123HH1    | PCB_123 Hyp.Haute(pg/j)        | 15226 | 983,734   | 1533,910  | 11,852  | 50274,200   |
| bPCB_126HB1    | PCB_126 Hyp.Basse(pg/j)        | 15226 | 244,062   | 253,886   | 2,079   | 7824,800    |
| bPCB_126HM1    | PCB_126 Hyp.Moyenne(pg/j)      | 15226 | 245,233   | 254,470   | 2,830   | 7833,140    |
| bPCB_126HH1    | PCB_126 Hyp.Haute(pg/j)        | 15226 | 246,405   | 255,059   | 3,581   | 7841,480    |
| bPCB_156HB1    | PCB_156 Hyp.Basse(pg/j)        | 15226 | 4225,320  | 5236,390  | 37,782  | 156525,600  |
| bPCB_156HM1    | PCB_156 Hyp.Moyenne(pg/j)      | 15226 | 4231,830  | 5237,920  | 41,109  | 156542,850  |
| bPCB_156HH1    | PCB_156 Hyp.Haute(pg/j)        | 15226 | 4238,340  | 5239,450  | 44,436  | 156560,090  |
| bPCB_157HB1    | PCB_157 Hyp.Basse(pg/j)        | 15226 | 991,827   | 1367,180  | 8,769   | 43195,190   |
| bPCB_157HM1    | PCB_157 Hyp.Moyenne(pg/j)      | 15226 | 1012,540  | 1374,900  | 12,055  | 43324,320   |
| bPCB_157HH1    | PCB_157 Hyp.Haute(pg/j)        | 15226 | 1033,260  | 1382,760  | 15,341  | 43453,460   |
| bPCB_167HB1    | PCB_167 Hyp.Basse(pg/j)        | 15226 | 2408,950  | 3242,090  | 18,839  | 105391,310  |
| bPCB_167HM1    | PCB_167 Hyp.Moyenne(pg/j)      | 15226 | 2417,630  | 3245,400  | 21,902  | 105426,650  |
| bPCB_167HH1    | PCB_167 Hyp.Haute(pg/j)        | 15226 | 2426,310  | 3248,720  | 24,965  | 105461,990  |
| bPCB_169HB1    | PCB_169 Hyp.Basse(pg/j)        | 15226 | 45,951    | 55,872    | 0,266   | 1712,670    |
| bPCB_169HM1    | PCB_169 Hyp.Moyenne(pg/j)      | 15226 | 50,705    | 58,007    | 1,117   | 1745,550    |
| bPCB_169HH1    | PCB_169 Hyp.Haute(pg/j)        | 15226 | 55,460    | 60,275    | 1,374   | 1778,430    |
| bPCB_189HB1    | PCB_189 Hyp.Basse(pg/j)        | 15226 | 416,509   | 547,397   | 2,386   | 16839,600   |
| bPCB_189HM1    | PCB_189 Hyp.Moyenne(pg/j)      | 15226 | 464,839   | 575,556   | 11,631  | 17324,020   |
| bPCB_189HH1    | PCB_189 Hyp.Haute(pg/j)        | 15226 | 513,169   | 605,422   | 15,529  | 17808,450   |
| bPCB_77HB1     | PCB_77 Hyp.Basse(pg/j)         | 15226 | 384,551   | 623,523   | 9,982   | 22506,540   |
| bPCB_77HM1     | PCB_77 Hyp.Moyenne(pg/j)       | 15226 | 384,553   | 623,523   | 9,982   | 22506,550   |
| bPCB_77HH1     | PCB_77 Hyp.Haute(pg/j)         | 15226 | 384,554   | 623,523   | 9,982   | 22506,550   |
| bPCB_81HB1     | PCB_81 Hyp.Basse(pg/j)         | 15226 | 30,814    | 37,762    | 0,473   | 1400,260    |
| bPCB_81HM1     | PCB_81 Hyp.Moyenne(pg/j)       | 15226 | 35,318    | 40,400    | 0,784   | 1518,670    |
| bPCB_81HH1     | PCB_81 Hyp.Haute(pg/j)         | 15226 | 39,822    | 43,154    | 0,899   | 1637,080    |
| bPCDD_1237HB1  | PCDD_1237 Hyp.Basse(pg/j)      | 15226 | 4,271     | 3,438     | 0,050   | 95,874      |
| bPCDD_1237HM1  | PCDD_1237 Hyp.Moyenne(pg/j)    | 15226 | 4,571     | 3,601     | 0,107   | 98,252      |
| bPCDD_1237HH1  | PCDD_1237 Hyp.Haute(pg/j)      | 15226 | 4,871     | 3,771     | 0,114   | 100,631     |
| bPCDF_12378HB1 | PCDF_12378 Hyp.Basse(pg/j)     | 15226 | 2,912     | 4,271     | 0,058   | 151,661     |
| bPCDF_12378HM1 | PCDF_12378 Hyp.Moyenne(pg/j)   | 15226 | 3,434     | 4,418     | 0,103   | 154,089     |
| bPCDF_12378HH1 | PCDF_12378 Hyp.Haute(pg/j)     | 15226 | 3,957     | 4,580     | 0,112   | 156,516     |
| bPCDF_23478HB1 | PCDF_23478 Hyp.Basse(pg/j)     | 15226 | 10,939    | 10,246    | 0,254   | 299,924     |
| bPCDF_23478HM1 | PCDF_23478 Hyp.Moyenne(pg/j)   | 15226 | 11,005    | 10,277    | 0,256   | 300,456     |
| bPCDF_23478HH1 | PCDF_23478 Hyp.Haute(pg/j)     | 15226 | 11,072    | 10,308    | 0,258   | 300,988     |
| bTCDD_2378HB1  | TCDD_2378 Hyp.Basse(pg/j)      | 15226 | 1,657     | 1,616     | 0,018   | 50,078      |
| bTCDD_2378HM1  | TCDD_2378 Hyp.Moyenne(pg/j)    | 15226 | 1,860     | 1,717     | 0,020   | 51,523      |
| bTCDD_2378HH1  | TCDD_2378 Hyp.Haute(pg/j)      | 15226 | 2,063     | 1,824     | 0,021   | 52,969      |
| bTCDF_2378HB1  | TCDF_2378 Hyp.Basse(pg/j)      | 15226 | 16,011    | 30,308    | 0,206   | 1163,810    |
| bTCDF_2378HM1  | TCDF_2378 Hyp.Moyenne(pg/j)    | 15226 | 16,024    | 30,310    | 0,206   | 1163,930    |
| bTCDF_2378HH1  | TCDF_2378 Hyp.Haute(pg/j)      | 15226 | 16,037    | 30,312    | 0,206   | 1164,050    |
| bDIOX_05HB1    | DIOX_05 Hyp.Basse(pgTEQ/j)     | 15226 | 14,291    | 13,320    | 0,316   | 409,264     |
| bDIOX_05HM1    | DIOX_05 Hyp.Moyenne(pgTEQ/j)   | 15226 | 15,001    | 13,703    | 0,360   | 414,948     |
| bDIOX_05HH1    | DIOX_05 Hyp.Haute(pgTEQ/j)     | 15226 | 15,711    | 14,093    | 0,376   | 420,633     |
| bDIOX_PCBHB1   | DIOX_PCB Hyp.Basse(pgTEQ/j)    | 15226 | 41,684    | 42,181    | 0,553   | 1308,820    |
| bDIOX_PCBHM1   | DIOX_PCB Hyp.Moyenne(pgTEQ/j)  | 15226 | 42,659    | 42,671    | 0,726   | 1316,360    |
| bDIOX_PCBHH1   | DIOX_PCB Hyp.Haute(pgTEQ/j)    | 15226 | 43,633    | 43,167    | 0,900   | 1323,910    |
| bPCB_DL_05HB1  | PCB_DL_05 Hyp.Basse(pgTEQ/j)   | 15226 | 27,394    | 29,142    | 0,237   | 899,558     |
| bPCB_DL_05HM1  | PCB_DL_05 Hyp.Moyenne(pgTEQ/j) | 15226 | 27,658    | 29,268    | 0,340   | 901,415     |
| bPCB_DL_05HH1  | PCB_DL_05 Hyp.Haute(pgTEQ/j)   | 15226 | 27,923    | 29,396    | 0,443   | 903,272     |

|          |   |       |             |            |            |              |
|----------|---|-------|-------------|------------|------------|--------------|
| bAgHB1   | Ag Hyp.Basse( $\mu\text{g}/\text{j}$ )      | 15226 | 108,405     | 100,166    | 11,688     | 4272,400     |
| bAgHM1   | Ag Hyp.Moyenne( $\mu\text{g}/\text{j}$ )    | 15226 | 159,139     | 115,243    | 18,630     | 4494,520     |
| bAgHH1   | Ag Hyp.Haute( $\mu\text{g}/\text{j}$ )      | 15226 | 263,908     | 157,626    | 28,863     | 4999,020     |
| bAlHB1   | Al Hyp.Basse( $\mu\text{g}/\text{j}$ )      | 15226 | 3590,600    | 2387,130   | 331,097    | 63015,690    |
| bAlHM1   | Al Hyp.Moyenne( $\mu\text{g}/\text{j}$ )    | 15226 | 3753,090    | 2421,370   | 384,701    | 63622,460    |
| bAlHH1   | Al Hyp.Haute( $\mu\text{g}/\text{j}$ )      | 15226 | 4198,250    | 2570,990   | 446,326    | 65869,000    |
| bAsTHB1  | AsT Hyp.Basse( $\mu\text{g}/\text{j}$ )     | 15226 | 86,512      | 116,360    | 7,445      | 4794,950     |
| bAsTHM1  | AsT Hyp.Moyenne( $\mu\text{g}/\text{j}$ )   | 15226 | 90,094      | 116,860    | 8,481      | 4807,440     |
| bAsTHH1  | AsT Hyp.Haute( $\mu\text{g}/\text{j}$ )     | 15226 | 98,847      | 118,749    | 9,717      | 4845,720     |
| bAsiHB1  | Asi Hyp.Basse( $\mu\text{g}/\text{j}$ )     | 15226 | 31,896      | 18,510     | 3,063      | 449,014      |
| bAsiHM1  | Asi Hyp.Moyenne( $\mu\text{g}/\text{j}$ )   | 15226 | 35,188      | 19,596     | 3,294      | 459,580      |
| bAsiHH1  | Asi Hyp.Haute( $\mu\text{g}/\text{j}$ )     | 15226 | 42,585      | 22,953     | 3,920      | 502,299      |
| bAsoHB1  | Aso Hyp.Basse( $\mu\text{g}/\text{j}$ )     | 15226 | 54,617      | 105,817    | 0,933      | 4508,170     |
| bAsoHM1  | Aso Hyp.Moyenne( $\mu\text{g}/\text{j}$ )   | 15226 | 54,905      | 105,880    | 1,012      | 4509,740     |
| bAsoHH1  | Aso Hyp.Haute( $\mu\text{g}/\text{j}$ )     | 15226 | 56,262      | 106,196    | 1,166      | 4517,870     |
| bBaHB1   | Ba Hyp.Basse( $\mu\text{g}/\text{j}$ )      | 15226 | 653,406     | 368,021    | 60,038     | 9368,160     |
| bBaHM1   | Ba Hyp.Moyenne( $\mu\text{g}/\text{j}$ )    | 15226 | 678,039     | 374,943    | 63,462     | 9456,660     |
| bBaHH1   | Ba Hyp.Haute( $\mu\text{g}/\text{j}$ )      | 15226 | 758,910     | 400,135    | 74,360     | 9818,430     |
| bCaHB1   | Ca Hyp.Basse( $\mu\text{g}/\text{j}$ )      | 15226 | 1203619,760 | 639109,680 | 111757,280 | 13608799,590 |
| bCaHM1   | Ca Hyp.Moyenne( $\mu\text{g}/\text{j}$ )    | 15226 | 1203852,560 | 639199,360 | 111777,510 | 13609488,460 |
| bCaHH1   | Ca Hyp.Haute( $\mu\text{g}/\text{j}$ )      | 15226 | 1207419,330 | 640355,870 | 111938,220 | 13624093,540 |
| bCdHB1   | Cd Hyp.Basse( $\mu\text{g}/\text{j}$ )      | 15226 | 13,372      | 10,398     | 0,979      | 342,007      |
| bCdHM1   | Cd Hyp.Moyenne( $\mu\text{g}/\text{j}$ )    | 15226 | 13,710      | 10,459     | 1,099      | 343,459      |
| bCdHH1   | Cd Hyp.Haute( $\mu\text{g}/\text{j}$ )      | 15226 | 14,597      | 10,635     | 1,398      | 347,549      |
| bCoHB1   | Co Hyp.Basse( $\mu\text{g}/\text{j}$ )      | 15226 | 15,832      | 9,363      | 1,650      | 236,133      |
| bCoHM1   | Co Hyp.Moyenne( $\mu\text{g}/\text{j}$ )    | 15226 | 16,354      | 9,448      | 1,854      | 237,419      |
| bCoHH1   | Co Hyp.Haute( $\mu\text{g}/\text{j}$ )      | 15226 | 18,084      | 9,980      | 2,377      | 246,295      |
| bCrIIHB1 | CrIII Hyp.Basse( $\mu\text{g}/\text{j}$ )   | 15226 | 337,575     | 204,159    | 25,093     | 6089,010     |
| bCrIIHM1 | CrIII Hyp.Moyenne( $\mu\text{g}/\text{j}$ ) | 15226 | 337,737     | 204,214    | 25,099     | 6090,280     |
| bCrIIHH1 | CrIII Hyp.Haute( $\mu\text{g}/\text{j}$ )   | 15226 | 338,927     | 204,624    | 25,711     | 6094,030     |
| bCrTHB1  | CrT Hyp.Basse( $\mu\text{g}/\text{j}$ )     | 15226 | 359,351     | 206,915    | 37,614     | 6127,520     |
| bCrTHM1  | CrT Hyp.Moyenne( $\mu\text{g}/\text{j}$ )   | 15226 | 364,094     | 207,660    | 39,493     | 6137,040     |
| bCrTHH1  | CrT Hyp.Haute( $\mu\text{g}/\text{j}$ )     | 15226 | 373,441     | 209,420    | 42,573     | 6155,340     |
| bCrVIHB1 | CrVI Hyp.Basse( $\mu\text{g}/\text{j}$ )    | 15226 | 55,534      | 26,869     | 4,847      | 647,405      |
| bCrVIHM1 | CrVI Hyp.Moyenne( $\mu\text{g}/\text{j}$ )  | 15226 | 60,130      | 28,961     | 4,859      | 655,786      |
| bCrVIHH1 | CrVI Hyp.Haute( $\mu\text{g}/\text{j}$ )    | 15226 | 68,406      | 33,111     | 4,939      | 670,719      |
| bCuHB1   | Cu Hyp.Basse( $\mu\text{g}/\text{j}$ )      | 15226 | 2136,960    | 2211,670   | 210,605    | 85279,930    |
| bCuHM1   | Cu Hyp.Moyenne( $\mu\text{g}/\text{j}$ )    | 15226 | 2139,000    | 2211,810   | 210,696    | 85280,880    |
| bCuHH1   | Cu Hyp.Haute( $\mu\text{g}/\text{j}$ )      | 15226 | 2145,230    | 2212,550   | 212,162    | 85310,510    |
| bFeHB1   | Fe Hyp.Basse( $\mu\text{g}/\text{j}$ )      | 15226 | 9829,160    | 7030,620   | 651,660    | 206543,280   |
| bFeHM1   | Fe Hyp.Moyenne( $\mu\text{g}/\text{j}$ )    | 15226 | 9857,910    | 7033,960   | 670,281    | 206604,290   |
| bFeHH1   | Fe Hyp.Haute( $\mu\text{g}/\text{j}$ )      | 15226 | 9902,080    | 7039,470   | 696,628    | 206697,200   |
| bGaHB1   | Ga Hyp.Basse( $\mu\text{g}/\text{j}$ )      | 15226 | 0,139       | 0,100      | 0,001      | 1,416        |
| bGaHM1   | Ga Hyp.Moyenne( $\mu\text{g}/\text{j}$ )    | 15226 | 2,109       | 0,993      | 0,211      | 16,886       |
| bGaHH1   | Ga Hyp.Haute( $\mu\text{g}/\text{j}$ )      | 15226 | 4,091       | 1,962      | 0,422      | 32,995       |
| bGeHB1   | Ge Hyp.Basse( $\mu\text{g}/\text{j}$ )      | 15226 | 6,085       | 3,703      | 0,460      | 47,852       |
| bGeHM1   | Ge Hyp.Moyenne( $\mu\text{g}/\text{j}$ )    | 15226 | 7,874       | 4,452      | 0,665      | 59,538       |
| bGeHH1   | Ge Hyp.Haute( $\mu\text{g}/\text{j}$ )      | 15226 | 11,098      | 5,942      | 1,045      | 89,058       |
| bHgIHB1  | HgI Hyp.Basse( $\mu\text{g}/\text{j}$ )     | 15226 | 1,116       | 0,942      | 0,015      | 29,622       |
| bHgIHM1  | HgI Hyp.Moyenne( $\mu\text{g}/\text{j}$ )   | 15226 | 10,654      | 5,225      | 1,111      | 94,147       |
| bHgIHH1  | HgI Hyp.Haute( $\mu\text{g}/\text{j}$ )     | 15226 | 20,715      | 10,093     | 2,193      | 174,290      |
| bHgTHB1  | HgT Hyp.Basse( $\mu\text{g}/\text{j}$ )     | 15226 | 2,560       | 3,527      | 0,015      | 114,784      |
| bHgTHM1  | HgT Hyp.Moyenne( $\mu\text{g}/\text{j}$ )   | 15226 | 12,108      | 6,782      | 1,173      | 160,317      |
| bHgTHH1  | HgT Hyp.Haute( $\mu\text{g}/\text{j}$ )     | 15226 | 22,184      | 11,333     | 2,258      | 227,024      |

|          |  |       |             |             |            |              |
|----------|--|-------|-------------|-------------|------------|--------------|
| bKHB1    | K Hyp.Basse( $\mu\text{g}/\text{j}$ )      | 15226 | 3773073,370 | 2384120,410 | 393412,300 | 66922278,240 |
| bKHM1    | K Hyp.Moyenne( $\mu\text{g}/\text{j}$ )    | 15226 | 3775376,800 | 2384455,030 | 395117,290 | 66927388,600 |
| bKHH1    | K Hyp.Haute( $\mu\text{g}/\text{j}$ )      | 15226 | 3779135,350 | 2384915,260 | 397250,210 | 66935398,350 |
| bLiHB1   | Li Hyp.Basse( $\mu\text{g}/\text{j}$ )     | 15226 | 52,970      | 27,349      | 3,773      | 444,023      |
| bLiHM1   | Li Hyp.Moyenne( $\mu\text{g}/\text{j}$ )   | 15226 | 53,006      | 27,361      | 3,778      | 444,321      |
| bLiHH1   | Li Hyp.Haute( $\mu\text{g}/\text{j}$ )     | 15226 | 53,172      | 27,443      | 3,809      | 445,433      |
| bMeHgHB1 | MeHg Hyp.Basse( $\mu\text{g}/\text{j}$ )   | 15226 | 1,817       | 3,361       | 0,000      | 109,227      |
| bMeHgHM1 | MeHg Hyp.Moyenne( $\mu\text{g}/\text{j}$ ) | 15226 | 1,829       | 3,387       | 0,000      | 110,391      |
| bMeHgHH1 | MeHg Hyp.Haute( $\mu\text{g}/\text{j}$ )   | 15226 | 1,847       | 3,428       | 0,000      | 112,663      |
| bMgHB1   | Mg Hyp.Basse( $\mu\text{g}/\text{j}$ )     | 15226 | 409835,420  | 235203,120  | 56806,660  | 6525452,510  |
| bMgHM1   | Mg Hyp.Moyenne( $\mu\text{g}/\text{j}$ )   | 15226 | 410208,610  | 235295,680  | 56889,960  | 6526939,520  |
| bMgHH1   | Mg Hyp.Haute( $\mu\text{g}/\text{j}$ )     | 15226 | 411064,000  | 235472,440  | 57135,800  | 6529603,990  |
| bMnHB1   | Mn Hyp.Basse( $\mu\text{g}/\text{j}$ )     | 15226 | 2551,460    | 1546,750    | 191,361    | 40023,990    |
| bMnHM1   | Mn Hyp.Moyenne( $\mu\text{g}/\text{j}$ )   | 15226 | 2555,820    | 1547,450    | 193,764    | 40036,680    |
| bMnHH1   | Mn Hyp.Haute( $\mu\text{g}/\text{j}$ )     | 15226 | 2564,610    | 1548,630    | 199,439    | 40057,650    |
| bMoHB1   | Mo Hyp.Basse( $\mu\text{g}/\text{j}$ )     | 15226 | 127,129     | 96,874      | 7,052      | 2638,550     |
| bMoHM1   | Mo Hyp.Moyenne( $\mu\text{g}/\text{j}$ )   | 15226 | 131,709     | 97,500      | 9,947      | 2655,090     |
| bMoHH1   | Mo Hyp.Haute( $\mu\text{g}/\text{j}$ )     | 15226 | 140,614     | 99,364      | 11,704     | 2710,260     |
| bNaHB1   | Na Hyp.Basse( $\mu\text{g}/\text{j}$ )     | 15226 | 2805536,520 | 1908990,960 | 156489,610 | 69381873,910 |
| bNaHM1   | Na Hyp.Moyenne( $\mu\text{g}/\text{j}$ )   | 15226 | 2806075,220 | 1909074,750 | 156733,260 | 69383591,090 |
| bNaHH1   | Na Hyp.Haute( $\mu\text{g}/\text{j}$ )     | 15226 | 2809727,870 | 1909619,680 | 158175,940 | 69396371,420 |
| bNiHB1   | Ni Hyp.Basse( $\mu\text{g}/\text{j}$ )     | 15226 | 193,776     | 115,180     | 18,772     | 2955,510     |
| bNiHM1   | Ni Hyp.Moyenne( $\mu\text{g}/\text{j}$ )   | 15226 | 214,842     | 120,732     | 27,398     | 3030,210     |
| bNiHH1   | Ni Hyp.Haute( $\mu\text{g}/\text{j}$ )     | 15226 | 272,150     | 141,598     | 37,189     | 3346,030     |
| bPbHB1   | Pb Hyp.Basse( $\mu\text{g}/\text{j}$ )     | 15226 | 15,650      | 8,617       | 1,924      | 205,859      |
| bPbHM1   | Pb Hyp.Moyenne( $\mu\text{g}/\text{j}$ )   | 15226 | 17,834      | 9,388       | 2,179      | 216,060      |
| bPbHH1   | Pb Hyp.Haute( $\mu\text{g}/\text{j}$ )     | 15226 | 23,463      | 11,758      | 2,687      | 248,477      |
| bSbHB1   | Sb Hyp.Basse( $\mu\text{g}/\text{j}$ )     | 15226 | 2,130       | 1,305       | 0,231      | 30,917       |
| bSbHM1   | Sb Hyp.Moyenne( $\mu\text{g}/\text{j}$ )   | 15226 | 2,654       | 1,467       | 0,316      | 33,565       |
| bSbHH1   | Sb Hyp.Haute( $\mu\text{g}/\text{j}$ )     | 15226 | 3,749       | 1,945       | 0,430      | 41,595       |
| bSeHB1   | Se Hyp.Basse( $\mu\text{g}/\text{j}$ )     | 15226 | 7,332       | 12,016      | 0,086      | 454,567      |
| bSeHM1   | Se Hyp.Moyenne( $\mu\text{g}/\text{j}$ )   | 15226 | 104,958     | 53,204      | 11,405     | 1100,420     |
| bSeHH1   | Se Hyp.Haute( $\mu\text{g}/\text{j}$ )     | 15226 | 204,098     | 101,163     | 21,745     | 1895,530     |
| bSnHB1   | Sn Hyp.Basse( $\mu\text{g}/\text{j}$ )     | 15226 | 136,007     | 195,250     | 6,595      | 5371,310     |
| bSnHM1   | Sn Hyp.Moyenne( $\mu\text{g}/\text{j}$ )   | 15226 | 136,974     | 195,349     | 7,087      | 5373,880     |
| bSnHH1   | Sn Hyp.Haute( $\mu\text{g}/\text{j}$ )     | 15226 | 139,730     | 195,679     | 8,325      | 5382,240     |
| bSrHB1   | Sr Hyp.Basse( $\mu\text{g}/\text{j}$ )     | 15226 | 3018,300    | 1846,030    | 237,351    | 29827,220    |
| bSrHM1   | Sr Hyp.Moyenne( $\mu\text{g}/\text{j}$ )   | 15226 | 3019,080    | 1846,500    | 237,375    | 29829,350    |
| bSrHH1   | Sr Hyp.Haute( $\mu\text{g}/\text{j}$ )     | 15226 | 3019,870    | 1846,980    | 237,421    | 29831,820    |
| bTeHB1   | Te Hyp.Basse( $\mu\text{g}/\text{j}$ )     | 15226 | 2,364       | 1,170       | 0,180      | 21,299       |
| bTeHM1   | Te Hyp.Moyenne( $\mu\text{g}/\text{j}$ )   | 15226 | 3,754       | 1,708       | 0,318      | 31,590       |
| bTeHH1   | Te Hyp.Haute( $\mu\text{g}/\text{j}$ )     | 15226 | 6,054       | 2,790       | 0,562      | 50,520       |
| bVHB1    | V Hyp.Basse( $\mu\text{g}/\text{j}$ )      | 15226 | 77,891      | 41,950      | 8,553      | 964,346      |
| bVHM1    | V Hyp.Moyenne( $\mu\text{g}/\text{j}$ )    | 15226 | 85,034      | 44,764      | 9,113      | 993,360      |
| bVHH1    | V Hyp.Haute( $\mu\text{g}/\text{j}$ )      | 15226 | 102,096     | 53,024      | 11,078     | 1114,480     |
| bZnHB1   | Zn Hyp.Basse( $\mu\text{g}/\text{j}$ )     | 15226 | 9786,350    | 7841,910    | 610,670    | 229761,660   |
| bZnHM1   | Zn Hyp.Moyenne( $\mu\text{g}/\text{j}$ )   | 15226 | 9807,680    | 7845,630    | 625,211    | 229826,030   |
| bZnHH1   | Zn Hyp.Haute( $\mu\text{g}/\text{j}$ )     | 15226 | 9868,690    | 7853,340    | 654,423    | 229972,180   |
| bANHB1   | AN Hyp.Basse( $\text{ng}/\text{j}$ )       | 15226 | 8,995       | 23,432      | 0,000      | 1519,880     |
| bANHM1   | AN Hyp.Moyenne( $\text{ng}/\text{j}$ )     | 15226 | 76,631      | 65,495      | 6,119      | 3142,000     |
| bANHH1   | AN Hyp.Haute( $\text{ng}/\text{j}$ )       | 15226 | 144,267     | 112,959     | 9,582      | 4764,130     |
| bBaAHB1  | BaA Hyp.Basse( $\text{ng}/\text{j}$ )      | 15226 | 18,201      | 21,924      | 0,817      | 785,655      |
| bBaAHM1  | BaA Hyp.Moyenne( $\text{ng}/\text{j}$ )    | 15226 | 19,905      | 22,630      | 1,303      | 793,394      |
| bBaAHH1  | BaA Hyp.Haute( $\text{ng}/\text{j}$ )      | 15226 | 21,608      | 23,365      | 1,371      | 801,132      |

|           |                         |       |         |         |        |           |
|-----------|-------------------------|-------|---------|---------|--------|-----------|
| bBaPHB1   | BaP Hyp.Basse(ng/j)     | 15226 | 9,577   | 10,163  | 0,328  | 399,134   |
| bBaPHM1   | BaP Hyp.Moyenne(ng/j)   | 15226 | 13,944  | 13,045  | 0,664  | 451,352   |
| bBaPHH1   | BaP Hyp.Haute(ng/j)     | 15226 | 18,312  | 16,243  | 0,956  | 503,571   |
| bBbFHB1   | BbF Hyp.Basse(ng/j)     | 15226 | 20,093  | 35,555  | 0,817  | 1679,760  |
| bBbFHM1   | BbF Hyp.Moyenne(ng/j)   | 15226 | 21,093  | 35,857  | 0,953  | 1687,540  |
| bBbFHH1   | BbF Hyp.Haute(ng/j)     | 15226 | 22,092  | 36,167  | 0,989  | 1695,320  |
| bBcFLHB1  | BcFL Hyp.Basse(ng/j)    | 15226 | 2,603   | 3,510   | 0,029  | 94,899    |
| bBcFLHM1  | BcFL Hyp.Moyenne(ng/j)  | 15226 | 20,226  | 15,410  | 1,020  | 509,434   |
| bBcFLHH1  | BcFL Hyp.Haute(ng/j)    | 15226 | 37,849  | 27,963  | 1,929  | 946,452   |
| bBghiPHB1 | BghiP Hyp.Basse(ng/j)   | 15226 | 25,510  | 19,187  | 0,916  | 599,999   |
| bBghiPHM1 | BghiP Hyp.Moyenne(ng/j) | 15226 | 28,873  | 21,490  | 1,121  | 653,534   |
| bBghiPHH1 | BghiP Hyp.Haute(ng/j)   | 15226 | 32,236  | 23,938  | 1,326  | 707,069   |
| bBjFHB1   | BjF Hyp.Basse(ng/j)     | 15226 | 9,917   | 16,765  | 0,277  | 770,936   |
| bBjFHM1   | BjF Hyp.Moyenne(ng/j)   | 15226 | 11,174  | 17,202  | 0,542  | 782,063   |
| bBjFHH1   | BjF Hyp.Haute(ng/j)     | 15226 | 12,431  | 17,664  | 0,601  | 793,191   |
| bBkFHB1   | BkF Hyp.Basse(ng/j)     | 15226 | 7,670   | 14,045  | 0,319  | 663,281   |
| bBkFHM1   | BkF Hyp.Moyenne(ng/j)   | 15226 | 9,029   | 14,499  | 0,400  | 674,441   |
| bBkFHH1   | BkF Hyp.Haute(ng/j)     | 15226 | 10,388  | 14,988  | 0,463  | 685,601   |
| bCHRHB1   | CHR Hyp.Basse(ng/j)     | 15226 | 42,271  | 58,714  | 2,368  | 2457,140  |
| bCHRHM1   | CHR Hyp.Moyenne(ng/j)   | 15226 | 44,299  | 59,426  | 2,479  | 2469,890  |
| bCHRHH1   | CHR Hyp.Haute(ng/j)     | 15226 | 46,327  | 60,159  | 2,545  | 2482,640  |
| bCPPHB1   | CPP Hyp.Basse(ng/j)     | 15226 | 22,807  | 16,271  | 0,833  | 391,004   |
| bCPPHM1   | CPP Hyp.Moyenne(ng/j)   | 15226 | 32,061  | 21,523  | 1,429  | 646,067   |
| bCPPHH1   | CPP Hyp.Haute(ng/j)     | 15226 | 41,315  | 27,611  | 2,025  | 901,129   |
| bDBahAHB1 | DBahA Hyp.Basse(ng/j)   | 15226 | 3,138   | 2,777   | 0,137  | 91,462    |
| bDBahAHM1 | DBahA Hyp.Moyenne(ng/j) | 15226 | 5,599   | 4,430   | 0,284  | 130,979   |
| bDBahAHH1 | DBahA Hyp.Haute(ng/j)   | 15226 | 8,060   | 6,229   | 0,432  | 200,456   |
| bDbaePHB1 | DbaeP Hyp.Basse(ng/j)   | 15226 | 0,799   | 1,005   | 0,027  | 34,953    |
| bDbaePHM1 | DbaeP Hyp.Moyenne(ng/j) | 15226 | 9,891   | 6,331   | 0,425  | 193,479   |
| bDbaePHH1 | DbaeP Hyp.Haute(ng/j)   | 15226 | 18,983  | 11,857  | 0,789  | 352,808   |
| bDbahPHB1 | DbahP Hyp.Basse(ng/j)   | 15226 | 0,025   | 0,042   | 0,000  | 0,271     |
| bDbahPHM1 | DbahP Hyp.Moyenne(ng/j) | 15226 | 10,362  | 6,463   | 0,448  | 205,053   |
| bDbahPHH1 | DbahP Hyp.Haute(ng/j)   | 15226 | 20,699  | 12,919  | 0,897  | 410,095   |
| bDbaiPHB1 | DbaiP Hyp.Basse(ng/j)   | 15226 | 0,104   | 0,166   | 0,000  | 7,352     |
| bDbaiPHM1 | DbaiP Hyp.Moyenne(ng/j) | 15226 | 10,439  | 6,537   | 0,451  | 206,266   |
| bDbaiPHH1 | DbaiP Hyp.Haute(ng/j)   | 15226 | 20,775  | 12,985  | 0,899  | 411,159   |
| bDbalPHB1 | DbalP Hyp.Basse(ng/j)   | 15226 | 0,200   | 0,340   | 0,000  | 5,347     |
| bDbalPHM1 | DbalP Hyp.Moyenne(ng/j) | 15226 | 10,340  | 6,519   | 0,448  | 207,296   |
| bDbalPHH1 | DbalP Hyp.Haute(ng/j)   | 15226 | 20,481  | 12,899  | 0,897  | 412,085   |
| bFAHB1    | FA Hyp.Basse(ng/j)      | 15226 | 189,677 | 173,633 | 12,433 | 6693,870  |
| bFAHM1    | FA Hyp.Moyenne(ng/j)    | 15226 | 206,252 | 186,685 | 13,377 | 7068,180  |
| bFAHH1    | FA Hyp.Haute(ng/j)      | 15226 | 222,827 | 200,033 | 14,322 | 7442,490  |
| bIPHB1    | IP Hyp.Basse(ng/j)      | 15226 | 11,396  | 10,798  | 0,331  | 411,681   |
| bIPHM1    | IP Hyp.Moyenne(ng/j)    | 15226 | 13,107  | 11,752  | 0,600  | 426,405   |
| bIPHH1    | IP Hyp.Haute(ng/j)      | 15226 | 14,818  | 12,776  | 0,710  | 441,129   |
| bMCHHB1   | MCH Hyp.Basse(ng/j)     | 15226 | 0,069   | 0,105   | 0,000  | 4,496     |
| bMCHHM1   | MCH Hyp.Moyenne(ng/j)   | 15226 | 8,619   | 6,200   | 0,479  | 216,117   |
| bMCHHH1   | MCH Hyp.Haute(ng/j)     | 15226 | 17,169  | 12,349  | 0,947  | 427,737   |
| bPHEHB1   | PHE Hyp.Basse(ng/j)     | 15226 | 614,388 | 696,661 | 40,367 | 36342,460 |
| bPHEHM1   | PHE Hyp.Moyenne(ng/j)   | 15226 | 787,506 | 770,692 | 62,611 | 38432,160 |
| bPHEHH1   | PHE Hyp.Haute(ng/j)     | 15226 | 960,623 | 850,390 | 75,959 | 40521,860 |
| bPYHB1    | PY Hyp.Basse(ng/j)      | 15226 | 482,128 | 342,401 | 23,552 | 12961,560 |
| bPYHM1    | PY Hyp.Moyenne(ng/j)    | 15226 | 514,318 | 371,021 | 25,842 | 14256,410 |
| bPYHH1    | PY Hyp.Haute(ng/j)      | 15226 | 546,508 | 400,465 | 28,133 | 15551,260 |



|             |                           |       |           |           |         |            |
|-------------|---------------------------|-------|-----------|-----------|---------|------------|
| bSom4HAPHB1 | Som4HAP Hyp.Basse(ng/j)   | 15226 | 90,142    | 124,391   | 4,531   | 5222,290   |
| bSom4HAPHM1 | Som4HAP Hyp.Moyenne(ng/j) | 15226 | 99,240    | 128,670   | 5,400   | 5301,630   |
| bSom4HAPHH1 | Som4HAP Hyp.Haute(ng/j)   | 15226 | 108,339   | 133,109   | 5,861   | 5380,970   |
| bAB1HB1     | AB1 Hyp.Basse(ng/j)       | 15226 | 0,000     | 0,000     | 0,000   | 0,000      |
| bAB1HM1     | AB1 Hyp.Moyenne(ng/j)     | 15226 | 9,500     | 6,593     | 0,134   | 134,352    |
| bAB1HH1     | AB1 Hyp.Haute(ng/j)       | 15226 | 19,000    | 13,185    | 0,268   | 268,705    |
| bAB2HB1     | AB2 Hyp.Basse(ng/j)       | 15226 | 0,000     | 0,000     | 0,000   | 0,000      |
| bAB2HM1     | AB2 Hyp.Moyenne(ng/j)     | 15226 | 9,500     | 6,593     | 0,134   | 134,352    |
| bAB2HH1     | AB2 Hyp.Haute(ng/j)       | 15226 | 19,000    | 13,185    | 0,268   | 268,705    |
| bAG1HB1     | AG1 Hyp.Basse(ng/j)       | 15226 | 0,000     | 0,000     | 0,000   | 0,000      |
| bAG1HM1     | AG1 Hyp.Moyenne(ng/j)     | 15226 | 9,500     | 6,593     | 0,134   | 134,352    |
| bAG1HH1     | AG1 Hyp.Haute(ng/j)       | 15226 | 19,000    | 13,185    | 0,268   | 268,705    |
| bAG2HB1     | AG2 Hyp.Basse(ng/j)       | 15226 | 0,000     | 0,000     | 0,000   | 0,000      |
| bAG2HM1     | AG2 Hyp.Moyenne(ng/j)     | 15226 | 9,500     | 6,593     | 0,134   | 134,352    |
| bAG2HH1     | AG2 Hyp.Haute(ng/j)       | 15226 | 19,000    | 13,185    | 0,268   | 268,705    |
| bAM1HB1     | AM1 Hyp.Basse(ng/j)       | 15226 | 0,000     | 0,000     | 0,000   | 0,000      |
| bAM1HM1     | AM1 Hyp.Moyenne(ng/j)     | 15226 | 1,171     | 0,768     | 0,015   | 12,059     |
| bAM1HH1     | AM1 Hyp.Haute(ng/j)       | 15226 | 2,343     | 1,537     | 0,029   | 24,119     |
| bAzeaHB1    | Azea Hyp.Basse(ng/j)      | 15226 | 8,394     | 14,772    | 0,000   | 89,006     |
| bAzeaHM1    | Azea Hyp.Moyenne(ng/j)    | 15226 | 1097,760  | 790,516   | 25,379  | 24167,800  |
| bAzeaHH1    | Azea Hyp.Haute(ng/j)      | 15226 | 2187,130  | 1578,970  | 50,526  | 48335,610  |
| bAzeeHB1    | Azee Hyp.Basse(ng/j)      | 15226 | 8,394     | 14,772    | 0,000   | 89,006     |
| bAzeeHM1    | Azee Hyp.Moyenne(ng/j)    | 15226 | 1097,760  | 790,516   | 25,379  | 24167,800  |
| bAzeeHH1    | Azee Hyp.Haute(ng/j)      | 15226 | 2187,130  | 1578,970  | 50,526  | 48335,610  |
| bBzeaHB1    | Bzea Hyp.Basse(ng/j)      | 15226 | 0,000     | 0,000     | 0,000   | 0,000      |
| bBzeaHM1    | Bzea Hyp.Moyenne(ng/j)    | 15226 | 1083,770  | 787,339   | 24,993  | 24167,800  |
| bBzeaHH1    | Bzea Hyp.Haute(ng/j)      | 15226 | 2167,540  | 1574,680  | 49,986  | 48335,610  |
| bBzeeHB1    | Bzee Hyp.Basse(ng/j)      | 15226 | 0,000     | 0,000     | 0,000   | 0,000      |
| bBzeeHM1    | Bzee Hyp.Moyenne(ng/j)    | 15226 | 1083,770  | 787,339   | 24,993  | 24167,800  |
| bBzeeHH1    | Bzee Hyp.Haute(ng/j)      | 15226 | 2167,540  | 1574,680  | 49,986  | 48335,610  |
| bDASHB1     | DAS Hyp.Basse(ng/j)       | 15226 | 8,394     | 14,772    | 0,000   | 89,006     |
| bDASHM1     | DAS Hyp.Moyenne(ng/j)     | 15226 | 652,379   | 494,903   | 11,825  | 17875,840  |
| bDASHH1     | DAS Hyp.Haute(ng/j)       | 15226 | 1296,360  | 987,583   | 23,418  | 35751,690  |
| bDOM1HB1    | DOM1 Hyp.Basse(ng/j)      | 15226 | 2,221     | 14,610    | 0,000   | 690,000    |
| bDOM1HM1    | DOM1 Hyp.Moyenne(ng/j)    | 15226 | 642,091   | 502,756   | 11,439  | 19025,840  |
| bDOM1HH1    | DOM1 Hyp.Haute(ng/j)      | 15226 | 1281,960  | 998,634   | 22,878  | 37361,690  |
| bDONHB1     | DON Hyp.Basse(ng/j)       | 15226 | 26422,180 | 19002,370 | 178,192 | 660776,410 |
| bDONHM1     | DON Hyp.Moyenne(ng/j)     | 15226 | 26701,930 | 19155,170 | 408,467 | 668378,330 |
| bDONHH1     | DON Hyp.Haute(ng/j)       | 15226 | 26981,670 | 19310,360 | 452,914 | 675980,240 |
| bDON15HB1   | DON15 Hyp.Basse(ng/j)     | 15226 | 41,518    | 58,136    | 0,000   | 786,437    |
| bDON15HM1   | DON15 Hyp.Moyenne(ng/j)   | 15226 | 683,746   | 515,069   | 12,010  | 18422,590  |
| bDON15HH1   | DON15 Hyp.Haute(ng/j)     | 15226 | 1325,970  | 1006,210  | 23,678  | 36241,140  |
| bDON3HB1    | DON3 Hyp.Basse(ng/j)      | 15226 | 8,394     | 14,772    | 0,000   | 89,006     |
| bDON3HM1    | DON3 Hyp.Moyenne(ng/j)    | 15226 | 652,379   | 494,903   | 11,825  | 17875,840  |
| bDON3HH1    | DON3 Hyp.Haute(ng/j)      | 15226 | 1296,360  | 987,583   | 23,418  | 35751,690  |
| bFB1HB1     | FB1 Hyp.Basse(ng/j)       | 15226 | 1148,120  | 1240,800  | 0,000   | 18021,760  |
| bFB1HM1     | FB1 Hyp.Moyenne(ng/j)     | 15226 | 2301,910  | 2053,460  | 0,000   | 31996,650  |
| bFB1HH1     | FB1 Hyp.Haute(ng/j)       | 15226 | 3455,710  | 3063,730  | 0,000   | 55446,120  |
| bFB2HB1     | FB2 Hyp.Basse(ng/j)       | 15226 | 625,643   | 719,969   | 0,000   | 10806,260  |
| bFB2HM1     | FB2 Hyp.Moyenne(ng/j)     | 15226 | 1833,860  | 1826,270  | 0,000   | 33117,680  |
| bFB2HH1     | FB2 Hyp.Haute(ng/j)       | 15226 | 3042,080  | 3084,470  | 0,000   | 60077,720  |
| bFusXHB1    | FusX Hyp.Basse(ng/j)      | 15226 | 8,394     | 14,772    | 0,000   | 89,006     |
| bFusXHM1    | FusX Hyp.Moyenne(ng/j)    | 15226 | 652,379   | 494,903   | 11,825  | 17875,840  |
| bFusXHH1    | FusX Hyp.Haute(ng/j)      | 15226 | 1296,360  | 987,583   | 23,418  | 35751,690  |

|             |                           |       |            |            |          |              |
|-------------|---------------------------|-------|------------|------------|----------|--------------|
| bHT2HB1     | HT2 Hyp.Basse(ng/j)       | 15226 | 567,445    | 391,926    | 0,000    | 7039,510     |
| bHT2HM1     | HT2 Hyp.Moyenne(ng/j)     | 15226 | 1584,130   | 1095,030   | 17,770   | 27287,240    |
| bHT2HH1     | HT2 Hyp.Haute(ng/j)       | 15226 | 2600,820   | 1813,580   | 31,741   | 48927,650    |
| bMASHB1     | MAS Hyp.Basse(ng/j)       | 15226 | 49,532     | 104,725    | 0,000    | 3190,980     |
| bMASHM1     | MAS Hyp.Moyenne(ng/j)     | 15226 | 720,942    | 607,754    | 11,801   | 19144,470    |
| bMASHH1     | MAS Hyp.Haute(ng/j)       | 15226 | 1392,350   | 1139,590   | 23,385   | 37527,770    |
| bNivHB1     | Niv Hyp.Basse(ng/j)       | 15226 | 1724,290   | 1834,810   | 0,265    | 66237,430    |
| bNivHM1     | Niv Hyp.Moyenne(ng/j)     | 15226 | 2313,240   | 2197,990   | 26,800   | 82466,210    |
| bNivHH1     | Niv Hyp.Haute(ng/j)       | 15226 | 2902,190   | 2588,680   | 39,160   | 98694,990    |
| bOTAHB1     | OTA Hyp.Basse(ng/j)       | 15226 | 13,088     | 8,408      | 0,011    | 78,335       |
| bOTAHM1     | OTA Hyp.Moyenne(ng/j)     | 15226 | 82,855     | 54,159     | 1,563    | 1574,300     |
| bOTAHH1     | OTA Hyp.Haute(ng/j)       | 15226 | 152,621    | 103,639    | 2,995    | 3070,270     |
| bOTBHB1     | OTB Hyp.Basse(ng/j)       | 15226 | 1,505      | 1,460      | 0,000    | 17,756       |
| bOTBHM1     | OTB Hyp.Moyenne(ng/j)     | 15226 | 68,258     | 49,457     | 1,441    | 1497,500     |
| bOTBHH1     | OTB Hyp.Haute(ng/j)       | 15226 | 135,010    | 98,322     | 2,849    | 2977,240     |
| bPatHB1     | Pat Hyp.Basse(ng/j)       | 15226 | 40,858     | 45,774     | 0,000    | 640,367      |
| bPatHM1     | Pat Hyp.Moyenne(ng/j)     | 15226 | 1642,070   | 1655,760   | 0,000    | 29434,430    |
| bPatHH1     | Pat Hyp.Haute(ng/j)       | 15226 | 3243,290   | 3282,760   | 0,000    | 58233,700    |
| bT2HB1      | T2 Hyp.Basse(ng/j)        | 15226 | 191,765    | 200,440    | 0,530    | 4747,250     |
| bT2HM1      | T2 Hyp.Moyenne(ng/j)      | 15226 | 957,996    | 787,041    | 14,614   | 25787,920    |
| bT2HH1      | T2 Hyp.Haute(ng/j)        | 15226 | 1724,230   | 1389,500   | 27,323   | 46828,590    |
| bVerHB1     | Ver Hyp.Basse(ng/j)       | 15226 | 0,000      | 0,000      | 0,000    | 0,000        |
| bVerHM1     | Ver Hyp.Moyenne(ng/j)     | 15226 | 638,389    | 491,621    | 11,439   | 17875,840    |
| bVerHH1     | Ver Hyp.Haute(ng/j)       | 15226 | 1276,780   | 983,242    | 22,878   | 35751,690    |
| bZerHB1     | Zer Hyp.Basse(ng/j)       | 15226 | 488,617    | 328,103    | 7,026    | 9749,910     |
| bZerHM1     | Zer Hyp.Moyenne(ng/j)     | 15226 | 1333,960   | 882,445    | 25,600   | 27903,750    |
| bZerHH1     | Zer Hyp.Haute(ng/j)       | 15226 | 2179,310   | 1451,400   | 43,338   | 46057,590    |
| bPCB_101HB1 | PCB_101 Hyp.Basse(pg/j)   | 15226 | 24855,910  | 46188,190  | 247,289  | 1446164,950  |
| bPCB_101HM1 | PCB_101 Hyp.Moyenne(pg/j) | 15226 | 24855,910  | 46188,190  | 247,289  | 1446164,950  |
| bPCB_101HH1 | PCB_101 Hyp.Haute(pg/j)   | 15226 | 24855,910  | 46188,190  | 247,289  | 1446164,950  |
| bPCB_138HB1 | PCB_138 Hyp.Basse(pg/j)   | 15226 | 59246,710  | 77372,150  | 598,760  | 2469954,020  |
| bPCB_138HM1 | PCB_138 Hyp.Moyenne(pg/j) | 15226 | 59246,710  | 77372,150  | 598,760  | 2469954,020  |
| bPCB_138HH1 | PCB_138 Hyp.Haute(pg/j)   | 15226 | 59246,710  | 77372,150  | 598,760  | 2469954,020  |
| bPCB_153HB1 | PCB_153 Hyp.Basse(pg/j)   | 15226 | 85576,030  | 120360,960 | 861,472  | 4013551,200  |
| bPCB_153HM1 | PCB_153 Hyp.Moyenne(pg/j) | 15226 | 85576,030  | 120360,960 | 861,472  | 4013551,200  |
| bPCB_153HH1 | PCB_153 Hyp.Haute(pg/j)   | 15226 | 85576,030  | 120360,960 | 861,472  | 4013551,200  |
| bPCB_180HB1 | PCB_180 Hyp.Basse(pg/j)   | 15226 | 29689,440  | 37115,440  | 273,322  | 1073235,470  |
| bPCB_180HM1 | PCB_180 Hyp.Moyenne(pg/j) | 15226 | 29689,440  | 37115,440  | 273,322  | 1073235,470  |
| bPCB_180HH1 | PCB_180 Hyp.Haute(pg/j)   | 15226 | 29689,440  | 37115,440  | 273,322  | 1073235,470  |
| bPCB_28HB1  | PCB_28 Hyp.Basse(pg/j)    | 15226 | 12423,440  | 16255,660  | 348,380  | 433417,700   |
| bPCB_28HM1  | PCB_28 Hyp.Moyenne(pg/j)  | 15226 | 12440,040  | 16281,040  | 349,225  | 434067,610   |
| bPCB_28HH1  | PCB_28 Hyp.Haute(pg/j)    | 15226 | 12456,640  | 16306,460  | 350,070  | 434717,530   |
| bPCB_52HB1  | PCB_52 Hyp.Basse(pg/j)    | 15226 | 15425,360  | 25079,850  | 243,148  | 715447,820   |
| bPCB_52HM1  | PCB_52 Hyp.Moyenne(pg/j)  | 15226 | 15425,360  | 25079,850  | 243,148  | 715447,820   |
| bPCB_52HH1  | PCB_52 Hyp.Haute(pg/j)    | 15226 | 15425,360  | 25079,850  | 243,148  | 715447,820   |
| bPCBi6HB1   | PCBi6 Hyp.Basse(pg/j)     | 15226 | 226300,000 | 319251,100 | 3340,910 | 10004116,990 |
| bPCBi6HM1   | PCBi6 Hyp.Moyenne(pg/j)   | 15226 | 226316,600 | 319275,330 | 3340,950 | 10004430,240 |
| bPCBi6HH1   | PCBi6 Hyp.Haute(pg/j)     | 15226 | 226333,200 | 319299,570 | 3341,000 | 10004743,490 |
| bPFBAHB1    | PFBA Hyp.Basse(ng/j)      | 15226 | 0,000      | 0,000      | 0,000    | 0,000        |
| bPFBAHM1    | PFBA Hyp.Moyenne(ng/j)    | 15226 | 125,420    | 72,904     | 5,837    | 1622,250     |
| bPFBAHH1    | PFBA Hyp.Haute(ng/j)      | 15226 | 250,841    | 145,807    | 11,674   | 3244,500     |
| bPFBSHB1    | PFBS Hyp.Basse(ng/j)      | 15226 | 0,873      | 1,084      | 0,000    | 5,586        |
| bPFBSHM1    | PFBS Hyp.Moyenne(ng/j)    | 15226 | 57,688     | 33,061     | 2,801    | 717,012      |
| bPFBSHH1    | PFBS Hyp.Haute(ng/j)      | 15226 | 114,503    | 66,032     | 5,393    | 1430,830     |

|                 |                               |       |         |         |        |          |
|-----------------|-------------------------------|-------|---------|---------|--------|----------|
| bPFDAHB1        | PFDA Hyp.Basse(ng/j)          | 15226 | 0,663   | 2,456   | 0,000  | 95,579   |
| bPFDAHM1        | PFDA Hyp.Moyenne(ng/j)        | 15226 | 18,295  | 10,932  | 0,875  | 248,370  |
| bPFDAHH1        | PFDA Hyp.Haute(ng/j)          | 15226 | 35,928  | 20,771  | 1,537  | 401,160  |
| bPFDSHB1        | PFDS Hyp.Basse(ng/j)          | 15226 | 0,000   | 0,000   | 0,000  | 0,000    |
| bPFDSHM1        | PFDS Hyp.Moyenne(ng/j)        | 15226 | 23,711  | 14,037  | 1,041  | 275,159  |
| bPFDSHH1        | PFDS Hyp.Haute(ng/j)          | 15226 | 47,421  | 28,074  | 2,083  | 550,317  |
| bPFDoAHB1       | PFDoA Hyp.Basse(ng/j)         | 15226 | 0,071   | 0,368   | 0,000  | 18,047   |
| bPFDoAHM1       | PFDoA Hyp.Moyenne(ng/j)       | 15226 | 45,507  | 27,509  | 1,296  | 382,854  |
| bPFDoAHH1       | PFDoA Hyp.Haute(ng/j)         | 15226 | 90,942  | 54,944  | 2,591  | 765,656  |
| bPFHpAHB1       | PFHpA Hyp.Basse(ng/j)         | 15226 | 4,788   | 5,648   | 0,000  | 31,384   |
| bPFHpAHM1       | PFHpA Hyp.Moyenne(ng/j)       | 15226 | 60,133  | 31,978  | 3,386  | 383,907  |
| bPFHpAHH1       | PFHpA Hyp.Haute(ng/j)         | 15226 | 115,478 | 64,222  | 6,732  | 749,466  |
| bPFHpSHB1       | PFHpS Hyp.Basse(ng/j)         | 15226 | 0,000   | 0,000   | 0,000  | 0,000    |
| bPFHpSHM1       | PFHpS Hyp.Moyenne(ng/j)       | 15226 | 39,619  | 23,021  | 1,605  | 502,473  |
| bPFHpSHH1       | PFHpS Hyp.Haute(ng/j)         | 15226 | 79,237  | 46,041  | 3,211  | 1004,950 |
| bPFHxAHB1       | PFHxA Hyp.Basse(ng/j)         | 15226 | 3,257   | 3,915   | 0,000  | 21,039   |
| bPFHxAHM1       | PFHxA Hyp.Moyenne(ng/j)       | 15226 | 49,709  | 26,393  | 2,190  | 463,962  |
| bPFHxAHH1       | PFHxA Hyp.Haute(ng/j)         | 15226 | 96,162  | 51,453  | 4,341  | 917,333  |
| bPFHxSHB1       | PFHxS Hyp.Basse(ng/j)         | 15226 | 2,291   | 2,843   | 0,000  | 14,657   |
| bPFHxSHM1       | PFHxS Hyp.Moyenne(ng/j)       | 15226 | 21,615  | 11,955  | 1,002  | 282,181  |
| bPFHxSHH1       | PFHxS Hyp.Haute(ng/j)         | 15226 | 40,939  | 23,280  | 2,002  | 555,975  |
| bPFNAHB1        | PFNA Hyp.Basse(ng/j)          | 15226 | 0,224   | 0,564   | 0,000  | 20,271   |
| bPFNAHM1        | PFNA Hyp.Moyenne(ng/j)        | 15226 | 26,605  | 14,951  | 1,094  | 264,780  |
| bPFNAHH1        | PFNA Hyp.Haute(ng/j)          | 15226 | 52,986  | 29,690  | 2,146  | 524,841  |
| bPFOAHB1        | PFOA Hyp.Basse(ng/j)          | 15226 | 1,398   | 1,102   | 0,002  | 18,360   |
| bPFOAHM1        | PFOA Hyp.Moyenne(ng/j)        | 15226 | 42,261  | 23,602  | 1,375  | 367,851  |
| bPFOAHH1        | PFOA Hyp.Haute(ng/j)          | 15226 | 83,124  | 46,338  | 2,671  | 722,458  |
| bPFOSHB1        | PFOS Hyp.Basse(ng/j)          | 15226 | 4,271   | 7,715   | 0,000  | 329,587  |
| bPFOSHM1        | PFOS Hyp.Moyenne(ng/j)        | 15226 | 36,255  | 21,590  | 1,975  | 529,501  |
| bPFOSHH1        | PFOS Hyp.Haute(ng/j)          | 15226 | 68,238  | 38,467  | 3,725  | 870,292  |
| bPFPAHB1        | PFPA Hyp.Basse(ng/j)          | 15226 | 0,000   | 0,000   | 0,000  | 0,000    |
| bPFPAHM1        | PFPA Hyp.Moyenne(ng/j)        | 15226 | 74,638  | 40,846  | 3,016  | 795,506  |
| bPFPAHH1        | PFPA Hyp.Haute(ng/j)          | 15226 | 149,275 | 81,692  | 6,032  | 1591,010 |
| bPFTeDAHB1      | PFTeDA Hyp.Basse(ng/j)        | 15226 | 0,008   | 0,055   | 0,000  | 2,826    |
| bPFTeDAHM1      | PFTeDA Hyp.Moyenne(ng/j)      | 15226 | 152,169 | 99,549  | 1,894  | 1700,630 |
| bPFTeDAHH1      | PFTeDA Hyp.Haute(ng/j)        | 15226 | 304,330 | 199,090 | 3,789  | 3401,260 |
| bPFTrDAHB1      | PFTrDA Hyp.Basse(ng/j)        | 15226 | 1,392   | 2,661   | 0,000  | 101,722  |
| bPFTrDAHM1      | PFTrDA Hyp.Moyenne(ng/j)      | 15226 | 86,763  | 58,590  | 1,393  | 1092,760 |
| bPFTrDAHH1      | PFTrDA Hyp.Haute(ng/j)        | 15226 | 172,134 | 116,294 | 2,721  | 2160,260 |
| bPFUnAHB1       | PFUnA Hyp.Basse(ng/j)         | 15226 | 2,170   | 3,833   | 0,000  | 110,350  |
| bPFUnAHM1       | PFUnA Hyp.Moyenne(ng/j)       | 15226 | 169,675 | 91,595  | 6,893  | 1655,830 |
| bPFUnAHH1       | PFUnA Hyp.Haute(ng/j)         | 15226 | 337,180 | 182,018 | 13,043 | 3245,250 |
| bA_2_4_DHB1     | A_2_4_D Hyp.Basse(µg/j)       | 15226 | 0,000   | 0,000   | 0,000  | 0,000    |
| bA_2_4_DHM1     | A_2_4_D Hyp.Moyenne(µg/j)     | 15226 | 0,244   | 0,224   | 0,000  | 4,725    |
| bA_2_4_DHH1     | A_2_4_D Hyp.Haute(µg/j)       | 15226 | 0,487   | 0,449   | 0,000  | 9,450    |
| bAbamectinHB1   | Abamectin Hyp.Basse(µg/j)     | 15226 | 0,000   | 0,000   | 0,000  | 0,000    |
| bAbamectinHM1   | Abamectin Hyp.Moyenne(µg/j)   | 15226 | 1,157   | 1,494   | 0,000  | 14,056   |
| bAbamectinHH1   | Abamectin Hyp.Haute(µg/j)     | 15226 | 2,315   | 2,987   | 0,000  | 28,113   |
| bAcephateHB1    | Acephate Hyp.Basse(µg/j)      | 15226 | 0,000   | 0,000   | 0,000  | 0,000    |
| bAcephateHM1    | Acephate Hyp.Moyenne(µg/j)    | 15226 | 32,257  | 17,246  | 2,202  | 277,270  |
| bAcephateHH1    | Acephate Hyp.Haute(µg/j)      | 15226 | 64,514  | 34,493  | 4,403  | 554,540  |
| bAcetamidridHB1 | Acetamidrid Hyp.Basse(µg/j)   | 15226 | 0,000   | 0,000   | 0,000  | 0,000    |
| bAcetamidridHM1 | Acetamidrid Hyp.Moyenne(µg/j) | 15226 | 3,348   | 2,166   | 0,196  | 52,609   |
| bAcetamidridHH1 | Acetamidrid Hyp.Haute(µg/j)   | 15226 | 6,696   | 4,333   | 0,393  | 105,218  |

|                     |                                   |       |        |        |       |         |
|---------------------|-----------------------------------|-------|--------|--------|-------|---------|
| bAcibenzolarHB1     | Acibenzolar Hyp.Basse(µg/j)       | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bAcibenzolarHM1     | Acibenzolar Hyp.Moyenne(µg/j)     | 15226 | 0,579  | 0,747  | 0,000 | 7,028   |
| bAcibenzolarHH1     | Acibenzolar Hyp.Haute(µg/j)       | 15226 | 1,157  | 1,494  | 0,000 | 14,056  |
| bAcrinathrinHB1     | Acrinathrin Hyp.Basse(µg/j)       | 15226 | 0,144  | 0,288  | 0,000 | 2,311   |
| bAcrinathrinHM1     | Acrinathrin Hyp.Moyenne(µg/j)     | 15226 | 2,808  | 2,286  | 0,132 | 73,655  |
| bAcrinathrinHH1     | Acrinathrin Hyp.Haute(µg/j)       | 15226 | 5,472  | 4,443  | 0,264 | 144,999 |
| bAldicarbHB1        | Aldicarb Hyp.Basse(µg/j)          | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bAldicarbHM1        | Aldicarb Hyp.Moyenne(µg/j)        | 15226 | 8,102  | 5,867  | 0,288 | 172,308 |
| bAldicarbHH1        | Aldicarb Hyp.Haute(µg/j)          | 15226 | 16,203 | 11,734 | 0,576 | 344,617 |
| bAllethrinHB1       | Allethrin Hyp.Basse(µg/j)         | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bAllethrinHM1       | Allethrin Hyp.Moyenne(µg/j)       | 15226 | 3,241  | 3,957  | 0,000 | 84,449  |
| bAllethrinHH1       | Allethrin Hyp.Haute(µg/j)         | 15226 | 6,483  | 7,915  | 0,000 | 168,898 |
| bAlphamethrinHB1    | Alphamethrin Hyp.Basse(µg/j)      | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bAlphamethrinHM1    | Alphamethrin Hyp.Moyenne(µg/j)    | 15226 | 4,053  | 3,947  | 0,194 | 137,523 |
| bAlphamethrinHH1    | Alphamethrin Hyp.Haute(µg/j)      | 15226 | 8,107  | 7,893  | 0,388 | 275,046 |
| bAmitrazHB1         | Amitraz Hyp.Basse(µg/j)           | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bAmitrazHM1         | Amitraz Hyp.Moyenne(µg/j)         | 15226 | 26,457 | 15,417 | 0,711 | 225,121 |
| bAmitrazHH1         | Amitraz Hyp.Haute(µg/j)           | 15226 | 52,914 | 30,835 | 1,421 | 450,242 |
| bAnthraquinoneHB1   | Anthraquinone Hyp.Basse(µg/j)     | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bAnthraquinoneHM1   | Anthraquinone Hyp.Moyenne(µg/j)   | 15226 | 1,875  | 1,967  | 0,000 | 37,587  |
| bAnthraquinoneHH1   | Anthraquinone Hyp.Haute(µg/j)     | 15226 | 3,750  | 3,934  | 0,000 | 75,175  |
| bAtrazineHB1        | Atrazine Hyp.Basse(µg/j)          | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bAtrazineHM1        | Atrazine Hyp.Moyenne(µg/j)        | 15226 | 3,076  | 2,287  | 0,126 | 44,978  |
| bAtrazineHH1        | Atrazine Hyp.Haute(µg/j)          | 15226 | 6,152  | 4,574  | 0,252 | 89,956  |
| bAzametiphosHB1     | Azametiphos Hyp.Basse(µg/j)       | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bAzametiphosHM1     | Azametiphos Hyp.Moyenne(µg/j)     | 15226 | 1,297  | 1,583  | 0,000 | 33,780  |
| bAzametiphosHH1     | Azametiphos Hyp.Haute(µg/j)       | 15226 | 2,593  | 3,166  | 0,000 | 67,559  |
| bAzinphos_ethylHB1  | Azinphos_ethyl Hyp.Basse(µg/j)    | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bAzinphos_ethylHM1  | Azinphos_ethyl Hyp.Moyenne(µg/j)  | 15226 | 27,567 | 15,710 | 0,828 | 225,514 |
| bAzinphos_ethylHH1  | Azinphos_ethyl Hyp.Haute(µg/j)    | 15226 | 55,134 | 31,419 | 1,656 | 451,027 |
| bAzinphos_methylHB1 | Azinphos_methyl Hyp.Basse(µg/j)   | 15226 | 0,138  | 0,217  | 0,000 | 0,991   |
| bAzinphos_methylHM1 | Azinphos_methyl Hyp.Moyenne(µg/j) | 15226 | 33,045 | 17,136 | 2,382 | 260,239 |
| bAzinphos_methylHH1 | Azinphos_methyl Hyp.Haute(µg/j)   | 15226 | 65,951 | 34,229 | 4,695 | 519,487 |
| bAzoxystrobinHB1    | Azoxystrobin Hyp.Basse(µg/j)      | 15226 | 0,268  | 0,433  | 0,000 | 4,814   |
| bAzoxystrobinHM1    | Azoxystrobin Hyp.Moyenne(µg/j)    | 15226 | 17,897 | 9,515  | 1,472 | 185,513 |
| bAzoxystrobinHH1    | Azoxystrobin Hyp.Haute(µg/j)      | 15226 | 35,525 | 18,884 | 2,918 | 366,220 |
| bBenalaxylHB1       | Benalaxyl Hyp.Basse(µg/j)         | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bBenalaxylHM1       | Benalaxyl Hyp.Moyenne(µg/j)       | 15226 | 16,905 | 8,838  | 0,735 | 123,706 |
| bBenalaxylHH1       | Benalaxyl Hyp.Haute(µg/j)         | 15226 | 33,811 | 17,676 | 1,470 | 247,411 |
| bBendiocarbHB1      | Bendiocarb Hyp.Basse(µg/j)        | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bBendiocarbHM1      | Bendiocarb Hyp.Moyenne(µg/j)      | 15226 | 1,875  | 1,967  | 0,000 | 37,587  |
| bBendiocarbHH1      | Bendiocarb Hyp.Haute(µg/j)        | 15226 | 3,750  | 3,934  | 0,000 | 75,175  |
| bBenfuracarbHB1     | Benfuracarb Hyp.Basse(µg/j)       | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bBenfuracarbHM1     | Benfuracarb Hyp.Moyenne(µg/j)     | 15226 | 0,579  | 0,747  | 0,000 | 7,028   |
| bBenfuracarbHH1     | Benfuracarb Hyp.Haute(µg/j)       | 15226 | 1,157  | 1,494  | 0,000 | 14,056  |
| bBifenthrinHB1      | Bifenthrin Hyp.Basse(µg/j)        | 15226 | 0,176  | 0,241  | 0,000 | 2,502   |
| bBifenthrinHM1      | Bifenthrin Hyp.Moyenne(µg/j)      | 15226 | 10,460 | 5,636  | 1,007 | 120,041 |
| bBifenthrinHH1      | Bifenthrin Hyp.Haute(µg/j)        | 15226 | 20,744 | 11,169 | 1,994 | 237,903 |
| bBinapacrylHB1      | Binapacryl Hyp.Basse(µg/j)        | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bBinapacrylHM1      | Binapacryl Hyp.Moyenne(µg/j)      | 15226 | 2,454  | 2,520  | 0,000 | 43,007  |
| bBinapacrylHH1      | Binapacryl Hyp.Haute(µg/j)        | 15226 | 4,908  | 5,039  | 0,000 | 86,014  |
| bBioallethrineHB1   | Bioallethrine Hyp.Basse(µg/j)     | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bBioallethrineHM1   | Bioallethrine Hyp.Moyenne(µg/j)   | 15226 | 1,297  | 1,583  | 0,000 | 33,780  |
| bBioallethrineHH1   | Bioallethrine Hyp.Haute(µg/j)     | 15226 | 2,593  | 3,166  | 0,000 | 67,559  |

|                      |  |       |        |        |       |          |
|----------------------|--|-------|--------|--------|-------|----------|
| bBioresmethrinHB1    | Bioresmethrin Hyp.Basse( $\mu\text{g}/\text{j}$ )      | 15226 | 0,000  | 0,000  | 0,000 | 0,000    |
| bBioresmethrinHM1    | Bioresmethrin Hyp.Moyenne( $\mu\text{g}/\text{j}$ )    | 15226 | 1,297  | 1,583  | 0,000 | 33,780   |
| bBioresmethrinHH1    | Bioresmethrin Hyp.Haute( $\mu\text{g}/\text{j}$ )      | 15226 | 2,593  | 3,166  | 0,000 | 67,559   |
| bBiphenylHB1         | Biphenyl Hyp.Basse( $\mu\text{g}/\text{j}$ )           | 15226 | 0,000  | 0,000  | 0,000 | 0,000    |
| bBiphenylHM1         | Biphenyl Hyp.Moyenne( $\mu\text{g}/\text{j}$ )         | 15226 | 6,855  | 3,961  | 0,168 | 56,458   |
| bBiphenylHH1         | Biphenyl Hyp.Haute( $\mu\text{g}/\text{j}$ )           | 15226 | 13,710 | 7,922  | 0,336 | 112,916  |
| bBitertanolHB1       | Bitertanol Hyp.Basse( $\mu\text{g}/\text{j}$ )         | 15226 | 0,000  | 0,000  | 0,000 | 0,000    |
| bBitertanolHM1       | Bitertanol Hyp.Moyenne( $\mu\text{g}/\text{j}$ )       | 15226 | 29,403 | 16,064 | 1,132 | 219,774  |
| bBitertanolHH1       | Bitertanol Hyp.Haute( $\mu\text{g}/\text{j}$ )         | 15226 | 58,806 | 32,128 | 2,263 | 439,549  |
| bBoscalidHB1         | Boscalid Hyp.Basse( $\mu\text{g}/\text{j}$ )           | 15226 | 1,384  | 1,962  | 0,000 | 20,633   |
| bBoscalidHM1         | Boscalid Hyp.Moyenne( $\mu\text{g}/\text{j}$ )         | 15226 | 4,332  | 3,623  | 0,152 | 73,137   |
| bBoscalidHH1         | Boscalid Hyp.Haute( $\mu\text{g}/\text{j}$ )           | 15226 | 7,280  | 5,723  | 0,289 | 125,928  |
| bBromophos_ethylHB1  | Bromophos_ethyl Hyp.Basse( $\mu\text{g}/\text{j}$ )    | 15226 | 0,000  | 0,000  | 0,000 | 0,000    |
| bBromophos_ethylHM1  | Bromophos_ethyl Hyp.Moyenne( $\mu\text{g}/\text{j}$ )  | 15226 | 15,895 | 8,427  | 1,100 | 115,596  |
| bBromophos_ethylHH1  | Bromophos_ethyl Hyp.Haute( $\mu\text{g}/\text{j}$ )    | 15226 | 31,791 | 16,855 | 2,200 | 231,191  |
| bBromophos_methylHB1 | Bromophos_methyl Hyp.Basse( $\mu\text{g}/\text{j}$ )   | 15226 | 0,000  | 0,000  | 0,000 | 0,000    |
| bBromophos_methylHM1 | Bromophos_methyl Hyp.Moyenne( $\mu\text{g}/\text{j}$ ) | 15226 | 14,309 | 8,034  | 0,547 | 112,917  |
| bBromophos_methylHH1 | Bromophos_methyl Hyp.Haute( $\mu\text{g}/\text{j}$ )   | 15226 | 28,618 | 16,069 | 1,094 | 225,834  |
| bBromopropylateHB1   | Bromopropylate Hyp.Basse( $\mu\text{g}/\text{j}$ )     | 15226 | 0,000  | 0,000  | 0,000 | 0,000    |
| bBromopropylateHM1   | Bromopropylate Hyp.Moyenne( $\mu\text{g}/\text{j}$ )   | 15226 | 15,513 | 8,313  | 0,900 | 117,843  |
| bBromopropylateHH1   | Bromopropylate Hyp.Haute( $\mu\text{g}/\text{j}$ )     | 15226 | 31,027 | 16,626 | 1,801 | 235,686  |
| bBromuconazoleHB1    | Bromuconazole Hyp.Basse( $\mu\text{g}/\text{j}$ )      | 15226 | 0,000  | 0,000  | 0,000 | 0,000    |
| bBromuconazoleHM1    | Bromuconazole Hyp.Moyenne( $\mu\text{g}/\text{j}$ )    | 15226 | 3,968  | 3,232  | 0,099 | 55,745   |
| bBromuconazoleHH1    | Bromuconazole Hyp.Haute( $\mu\text{g}/\text{j}$ )      | 15226 | 7,936  | 6,463  | 0,198 | 111,489  |
| bBupirimateHB1       | Bupirimate Hyp.Basse( $\mu\text{g}/\text{j}$ )         | 15226 | 0,439  | 0,988  | 0,000 | 7,683    |
| bBupirimateHM1       | Bupirimate Hyp.Moyenne( $\mu\text{g}/\text{j}$ )       | 15226 | 16,429 | 8,777  | 0,946 | 118,504  |
| bBupirimateHH1       | Bupirimate Hyp.Haute( $\mu\text{g}/\text{j}$ )         | 15226 | 32,419 | 17,235 | 1,859 | 231,839  |
| bBuprofezinHB1       | Buprofezin Hyp.Basse( $\mu\text{g}/\text{j}$ )         | 15226 | 0,000  | 0,000  | 0,000 | 0,000    |
| bBuprofezinHM1       | Buprofezin Hyp.Moyenne( $\mu\text{g}/\text{j}$ )       | 15226 | 16,040 | 8,512  | 0,917 | 115,904  |
| bBuprofezinHH1       | Buprofezin Hyp.Haute( $\mu\text{g}/\text{j}$ )         | 15226 | 32,080 | 17,024 | 1,833 | 231,809  |
| bCadusafosHB1        | Cadusafos Hyp.Basse( $\mu\text{g}/\text{j}$ )          | 15226 | 0,000  | 0,000  | 0,000 | 0,000    |
| bCadusafosHM1        | Cadusafos Hyp.Moyenne( $\mu\text{g}/\text{j}$ )        | 15226 | 2,015  | 1,640  | 0,058 | 23,567   |
| bCadusafosHH1        | Cadusafos Hyp.Haute( $\mu\text{g}/\text{j}$ )          | 15226 | 4,031  | 3,281  | 0,116 | 47,135   |
| bCamphechlorHB1      | Camphechlor Hyp.Basse( $\mu\text{g}/\text{j}$ )        | 15226 | 0,000  | 0,000  | 0,000 | 0,000    |
| bCamphechlorHM1      | Camphechlor Hyp.Moyenne( $\mu\text{g}/\text{j}$ )      | 15226 | 0,476  | 0,308  | 0,007 | 6,133    |
| bCamphechlorHH1      | Camphechlor Hyp.Haute( $\mu\text{g}/\text{j}$ )        | 15226 | 0,951  | 0,615  | 0,014 | 12,267   |
| bCaptafolHB1         | Captafol Hyp.Basse( $\mu\text{g}/\text{j}$ )           | 15226 | 0,000  | 0,000  | 0,000 | 0,000    |
| bCaptafolHM1         | Captafol Hyp.Moyenne( $\mu\text{g}/\text{j}$ )         | 15226 | 1,644  | 1,786  | 0,000 | 36,064   |
| bCaptafolHH1         | Captafol Hyp.Haute( $\mu\text{g}/\text{j}$ )           | 15226 | 3,288  | 3,572  | 0,000 | 72,129   |
| bCaptanHB1           | Captan Hyp.Basse( $\mu\text{g}/\text{j}$ )             | 15226 | 0,063  | 0,099  | 0,000 | 0,453    |
| bCaptanHM1           | Captan Hyp.Moyenne( $\mu\text{g}/\text{j}$ )           | 15226 | 39,962 | 31,498 | 4,722 | 1305,340 |
| bCaptanHH1           | Captan Hyp.Haute( $\mu\text{g}/\text{j}$ )             | 15226 | 79,860 | 62,974 | 9,443 | 2610,230 |
| bCarbarylHB1         | Carbaryl Hyp.Basse( $\mu\text{g}/\text{j}$ )           | 15226 | 0,004  | 0,008  | 0,000 | 0,029    |
| bCarbarylHM1         | Carbaryl Hyp.Moyenne( $\mu\text{g}/\text{j}$ )         | 15226 | 9,644  | 5,033  | 0,787 | 90,242   |
| bCarbarylHH1         | Carbaryl Hyp.Haute( $\mu\text{g}/\text{j}$ )           | 15226 | 19,284 | 10,065 | 1,573 | 180,455  |
| bCarbendazimHB1      | Carbendazim Hyp.Basse( $\mu\text{g}/\text{j}$ )        | 15226 | 1,023  | 1,005  | 0,000 | 7,937    |
| bCarbendazimHM1      | Carbendazim Hyp.Moyenne( $\mu\text{g}/\text{j}$ )      | 15226 | 5,806  | 3,985  | 0,492 | 132,719  |
| bCarbendazimHH1      | Carbendazim Hyp.Haute( $\mu\text{g}/\text{j}$ )        | 15226 | 10,589 | 7,368  | 0,978 | 259,041  |
| bCarbetamideHB1      | Carbetamide Hyp.Basse( $\mu\text{g}/\text{j}$ )        | 15226 | 0,000  | 0,000  | 0,000 | 0,000    |
| bCarbetamideHM1      | Carbetamide Hyp.Moyenne( $\mu\text{g}/\text{j}$ )      | 15226 | 0,472  | 0,302  | 0,007 | 6,133    |
| bCarbetamideHH1      | Carbetamide Hyp.Haute( $\mu\text{g}/\text{j}$ )        | 15226 | 0,944  | 0,604  | 0,014 | 12,267   |
| bCarbofuranHB1       | Carbofuran Hyp.Basse( $\mu\text{g}/\text{j}$ )         | 15226 | 0,032  | 0,049  | 0,000 | 0,337    |
| bCarbofuranHM1       | Carbofuran Hyp.Moyenne( $\mu\text{g}/\text{j}$ )       | 15226 | 9,727  | 4,986  | 0,783 | 87,467   |
| bCarbofuranHH1       | Carbofuran Hyp.Haute( $\mu\text{g}/\text{j}$ )         | 15226 | 19,422 | 9,958  | 1,566 | 174,743  |

|                         |                                       |       |        |        |       |         |
|-------------------------|---------------------------------------|-------|--------|--------|-------|---------|
| bCarbosulfanHB1         | Carbosulfan Hyp.Basse(µg/j)           | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bCarbosulfanHM1         | Carbosulfan Hyp.Moyenne(µg/j)         | 15226 | 3,968  | 3,232  | 0,099 | 55,745  |
| bCarbosulfanHH1         | Carbosulfan Hyp.Haute(µg/j)           | 15226 | 7,936  | 6,463  | 0,198 | 111,489 |
| bCarboxinHB1            | Carboxin Hyp.Basse(µg/j)              | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bCarboxinHM1            | Carboxin Hyp.Moyenne(µg/j)            | 15226 | 1,297  | 1,583  | 0,000 | 33,780  |
| bCarboxinHH1            | Carboxin Hyp.Haute(µg/j)              | 15226 | 2,593  | 3,166  | 0,000 | 67,559  |
| bChinomethionatHB1      | Chinomethionat Hyp.Basse(µg/j)        | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bChinomethionatHM1      | Chinomethionat Hyp.Moyenne(µg/j)      | 15226 | 15,651 | 8,365  | 0,632 | 111,837 |
| bChinomethionatHH1      | Chinomethionat Hyp.Haute(µg/j)        | 15226 | 31,301 | 16,729 | 1,263 | 223,673 |
| bChlordaneHB1           | Chlordane Hyp.Basse(µg/j)             | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bChlordaneHM1           | Chlordane Hyp.Moyenne(µg/j)           | 15226 | 4,797  | 3,074  | 0,171 | 61,643  |
| bChlordaneHH1           | Chlordane Hyp.Haute(µg/j)             | 15226 | 9,594  | 6,147  | 0,342 | 123,286 |
| bChlorfenvinphosHB1     | Chlorfenvinphos Hyp.Basse(µg/j)       | 15226 | 0,076  | 0,245  | 0,000 | 6,920   |
| bChlorfenvinphosHM1     | Chlorfenvinphos Hyp.Moyenne(µg/j)     | 15226 | 8,885  | 4,579  | 0,778 | 77,424  |
| bChlorfenvinphosHH1     | Chlorfenvinphos Hyp.Haute(µg/j)       | 15226 | 17,694 | 9,099  | 1,543 | 150,049 |
| bChlorfluazuronHB1      | Chlorfluazuron Hyp.Basse(µg/j)        | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bChlorfluazuronHM1      | Chlorfluazuron Hyp.Moyenne(µg/j)      | 15226 | 1,157  | 1,494  | 0,000 | 14,056  |
| bChlorfluazuronHH1      | Chlorfluazuron Hyp.Haute(µg/j)        | 15226 | 2,315  | 2,987  | 0,000 | 28,113  |
| bChlormephosHB1         | Chlormephos Hyp.Basse(µg/j)           | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bChlormephosHM1         | Chlormephos Hyp.Moyenne(µg/j)         | 15226 | 10,441 | 5,408  | 0,478 | 87,901  |
| bChlormephosHH1         | Chlormephos Hyp.Haute(µg/j)           | 15226 | 20,881 | 10,816 | 0,956 | 175,801 |
| bChlorobenzilateHB1     | Chlorobenzilate Hyp.Basse(µg/j)       | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bChlorobenzilateHM1     | Chlorobenzilate Hyp.Moyenne(µg/j)     | 15226 | 0,579  | 0,747  | 0,000 | 7,028   |
| bChlorobenzilateHH1     | Chlorobenzilate Hyp.Haute(µg/j)       | 15226 | 1,157  | 1,494  | 0,000 | 14,056  |
| bChlorofenizonHB1       | Chlorofenizon Hyp.Basse(µg/j)         | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bChlorofenizonHM1       | Chlorofenizon Hyp.Moyenne(µg/j)       | 15226 | 1,875  | 1,967  | 0,000 | 37,587  |
| bChlorofenizonHH1       | Chlorofenizon Hyp.Haute(µg/j)         | 15226 | 3,750  | 3,934  | 0,000 | 75,175  |
| bChloropropylateHB1     | Chloropropylate Hyp.Basse(µg/j)       | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bChloropropylateHM1     | Chloropropylate Hyp.Moyenne(µg/j)     | 15226 | 1,297  | 1,583  | 0,000 | 33,780  |
| bChloropropylateHH1     | Chloropropylate Hyp.Haute(µg/j)       | 15226 | 2,593  | 3,166  | 0,000 | 67,559  |
| bChlorothalonilHB1      | Chlorothalonil Hyp.Basse(µg/j)        | 15226 | 0,136  | 0,209  | 0,000 | 1,440   |
| bChlorothalonilHM1      | Chlorothalonil Hyp.Moyenne(µg/j)      | 15226 | 8,979  | 4,640  | 0,842 | 78,280  |
| bChlorothalonilHH1      | Chlorothalonil Hyp.Haute(µg/j)        | 15226 | 17,822 | 9,239  | 1,681 | 155,751 |
| bChlorprophamHB1        | Chlorpropham Hyp.Basse(µg/j)          | 15226 | 12,898 | 16,338 | 0,000 | 323,593 |
| bChlorprophamHM1        | Chlorpropham Hyp.Moyenne(µg/j)        | 15226 | 21,837 | 18,498 | 1,717 | 401,375 |
| bChlorprophamHH1        | Chlorpropham Hyp.Haute(µg/j)          | 15226 | 30,776 | 21,530 | 2,870 | 479,157 |
| bChlorpyrifos_ethylHB1  | Chlorpyrifos_ethyl Hyp.Basse(µg/j)    | 15226 | 1,126  | 1,738  | 0,000 | 11,147  |
| bChlorpyrifos_ethylHM1  | Chlorpyrifos_ethyl Hyp.Moyenne(µg/j)  | 15226 | 10,580 | 5,732  | 0,744 | 99,229  |
| bChlorpyrifos_ethylHH1  | Chlorpyrifos_ethyl Hyp.Haute(µg/j)    | 15226 | 20,034 | 10,576 | 1,449 | 187,310 |
| bChlorpyrifos_methylHB1 | Chlorpyrifos_methyl Hyp.Basse(µg/j)   | 15226 | 0,379  | 0,256  | 0,003 | 6,753   |
| bChlorpyrifos_methylHM1 | Chlorpyrifos_methyl Hyp.Moyenne(µg/j) | 15226 | 9,840  | 5,035  | 0,761 | 91,178  |
| bChlorpyrifos_methylHH1 | Chlorpyrifos_methyl Hyp.Haute(µg/j)   | 15226 | 19,302 | 9,956  | 1,507 | 178,983 |
| bChlortalHB1            | Chlortal Hyp.Basse(µg/j)              | 15226 | 0,011  | 0,016  | 0,000 | 0,265   |
| bChlortalHM1            | Chlortal Hyp.Moyenne(µg/j)            | 15226 | 8,684  | 4,490  | 0,401 | 61,577  |
| bChlortalHH1            | Chlortal Hyp.Haute(µg/j)              | 15226 | 17,358 | 8,977  | 0,800 | 123,153 |
| bChlozolateHB1          | Chlozolate Hyp.Basse(µg/j)            | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bChlozolateHM1          | Chlozolate Hyp.Moyenne(µg/j)          | 15226 | 4,315  | 3,386  | 0,122 | 59,962  |
| bChlozolateHH1          | Chlozolate Hyp.Haute(µg/j)            | 15226 | 8,630  | 6,772  | 0,243 | 119,923 |
| bClofentazineHB1        | Clofentazine Hyp.Basse(µg/j)          | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bClofentazineHM1        | Clofentazine Hyp.Moyenne(µg/j)        | 15226 | 5,064  | 4,653  | 0,332 | 165,538 |
| bClofentazineHH1        | Clofentazine Hyp.Haute(µg/j)          | 15226 | 10,129 | 9,306  | 0,663 | 331,075 |
| bCoumaphosHB1           | Coumaphos Hyp.Basse(µg/j)             | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bCoumaphosHM1           | Coumaphos Hyp.Moyenne(µg/j)           | 15226 | 3,611  | 3,828  | 0,000 | 57,063  |
| bCoumaphosHH1           | Coumaphos Hyp.Haute(µg/j)             | 15226 | 7,222  | 7,656  | 0,000 | 114,126 |

|                    |  |       |        |        |       |         |
|--------------------|--|-------|--------|--------|-------|---------|
| bCyanofenphosHB1   | Cyanofenphos Hyp.Basse( $\mu\text{g}/\text{j}$ )     | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bCyanofenphosHM1   | Cyanofenphos Hyp.Moyenne( $\mu\text{g}/\text{j}$ )   | 15226 | 1,297  | 1,583  | 0,000 | 33,780  |
| bCyanofenphosHH1   | Cyanofenphos Hyp.Haute( $\mu\text{g}/\text{j}$ )     | 15226 | 2,593  | 3,166  | 0,000 | 67,559  |
| bCyanophosHB1      | Cyanophos Hyp.Basse( $\mu\text{g}/\text{j}$ )        | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bCyanophosHM1      | Cyanophos Hyp.Moyenne( $\mu\text{g}/\text{j}$ )      | 15226 | 1,297  | 1,583  | 0,000 | 33,780  |
| bCyanophosHH1      | Cyanophos Hyp.Haute( $\mu\text{g}/\text{j}$ )        | 15226 | 2,593  | 3,166  | 0,000 | 67,559  |
| bCyfluthrinHB1     | Cyfluthrin Hyp.Basse( $\mu\text{g}/\text{j}$ )       | 15226 | 0,007  | 0,019  | 0,000 | 0,117   |
| bCyfluthrinHM1     | Cyfluthrin Hyp.Moyenne( $\mu\text{g}/\text{j}$ )     | 15226 | 18,728 | 9,558  | 1,285 | 148,188 |
| bCyfluthrinHH1     | Cyfluthrin Hyp.Haute( $\mu\text{g}/\text{j}$ )       | 15226 | 37,449 | 19,112 | 2,568 | 296,260 |
| bCyhexatinHB1      | Cyhexatin Hyp.Basse( $\mu\text{g}/\text{j}$ )        | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bCyhexatinHM1      | Cyhexatin Hyp.Moyenne( $\mu\text{g}/\text{j}$ )      | 15226 | 0,654  | 0,474  | 0,000 | 7,146   |
| bCyhexatinHH1      | Cyhexatin Hyp.Haute( $\mu\text{g}/\text{j}$ )        | 15226 | 1,307  | 0,948  | 0,000 | 14,292  |
| bCymoxanilHB1      | Cymoxanil Hyp.Basse( $\mu\text{g}/\text{j}$ )        | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bCymoxanilHM1      | Cymoxanil Hyp.Moyenne( $\mu\text{g}/\text{j}$ )      | 15226 | 1,157  | 1,494  | 0,000 | 14,056  |
| bCymoxanilHH1      | Cymoxanil Hyp.Haute( $\mu\text{g}/\text{j}$ )        | 15226 | 2,315  | 2,987  | 0,000 | 28,113  |
| bCypermethrinHB1   | Cypermethrin Hyp.Basse( $\mu\text{g}/\text{j}$ )     | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bCypermethrinHM1   | Cypermethrin Hyp.Moyenne( $\mu\text{g}/\text{j}$ )   | 15226 | 20,061 | 10,493 | 1,555 | 222,261 |
| bCypermethrinHH1   | Cypermethrin Hyp.Haute( $\mu\text{g}/\text{j}$ )     | 15226 | 40,121 | 20,987 | 3,110 | 444,521 |
| bCyproconazoleHB1  | Cyproconazole Hyp.Basse( $\mu\text{g}/\text{j}$ )    | 15226 | 0,015  | 0,025  | 0,000 | 0,212   |
| bCyproconazoleHM1  | Cyproconazole Hyp.Moyenne( $\mu\text{g}/\text{j}$ )  | 15226 | 20,840 | 11,326 | 2,178 | 210,848 |
| bCyproconazoleHH1  | Cyproconazole Hyp.Haute( $\mu\text{g}/\text{j}$ )    | 15226 | 41,665 | 22,647 | 4,357 | 421,574 |
| bCyprodinylHB1     | Cyprodinyl Hyp.Basse( $\mu\text{g}/\text{j}$ )       | 15226 | 2,156  | 2,865  | 0,000 | 32,223  |
| bCyprodinylHM1     | Cyprodinyl Hyp.Moyenne( $\mu\text{g}/\text{j}$ )     | 15226 | 16,142 | 8,843  | 0,913 | 119,259 |
| bCyprodinylHH1     | Cyprodinyl Hyp.Haute( $\mu\text{g}/\text{j}$ )       | 15226 | 30,128 | 16,405 | 1,669 | 221,294 |
| bCyromazineHB1     | Cyromazine Hyp.Basse( $\mu\text{g}/\text{j}$ )       | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bCyromazineHM1     | Cyromazine Hyp.Moyenne( $\mu\text{g}/\text{j}$ )     | 15226 | 0,579  | 0,747  | 0,000 | 7,028   |
| bCyromazineHH1     | Cyromazine Hyp.Haute( $\mu\text{g}/\text{j}$ )       | 15226 | 1,157  | 1,494  | 0,000 | 14,056  |
| bDDTHB1            | DDT Hyp.Basse( $\mu\text{g}/\text{j}$ )              | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bDDTHM1            | DDT Hyp.Moyenne( $\mu\text{g}/\text{j}$ )            | 15226 | 21,693 | 11,191 | 1,658 | 194,756 |
| bDDTHH1            | DDT Hyp.Haute( $\mu\text{g}/\text{j}$ )              | 15226 | 43,386 | 22,382 | 3,315 | 389,512 |
| bDeltamethrinHB1   | Deltamethrin Hyp.Basse( $\mu\text{g}/\text{j}$ )     | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bDeltamethrinHM1   | Deltamethrin Hyp.Moyenne( $\mu\text{g}/\text{j}$ )   | 15226 | 19,151 | 10,038 | 1,617 | 220,307 |
| bDeltamethrinHH1   | Deltamethrin Hyp.Haute( $\mu\text{g}/\text{j}$ )     | 15226 | 38,302 | 20,076 | 3,233 | 440,614 |
| bDesmetryneHB1     | Desmetryne Hyp.Basse( $\mu\text{g}/\text{j}$ )       | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bDesmetryneHM1     | Desmetryne Hyp.Moyenne( $\mu\text{g}/\text{j}$ )     | 15226 | 1,297  | 1,583  | 0,000 | 33,780  |
| bDesmetryneHH1     | Desmetryne Hyp.Haute( $\mu\text{g}/\text{j}$ )       | 15226 | 2,593  | 3,166  | 0,000 | 67,559  |
| bDi_allateHB1      | Di_allate Hyp.Basse( $\mu\text{g}/\text{j}$ )        | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bDi_allateHM1      | Di_allate Hyp.Moyenne( $\mu\text{g}/\text{j}$ )      | 15226 | 0,479  | 0,326  | 0,005 | 7,326   |
| bDi_allateHH1      | Di_allate Hyp.Haute( $\mu\text{g}/\text{j}$ )        | 15226 | 0,957  | 0,652  | 0,011 | 14,651  |
| bDiazinonHB1       | Diazinon Hyp.Basse( $\mu\text{g}/\text{j}$ )         | 15226 | 0,001  | 0,002  | 0,000 | 0,059   |
| bDiazinonHM1       | Diazinon Hyp.Moyenne( $\mu\text{g}/\text{j}$ )       | 15226 | 9,528  | 4,791  | 0,871 | 80,701  |
| bDiazinonHH1       | Diazinon Hyp.Haute( $\mu\text{g}/\text{j}$ )         | 15226 | 19,056 | 9,581  | 1,743 | 161,402 |
| bDicambaHB1        | Dicamba Hyp.Basse( $\mu\text{g}/\text{j}$ )          | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bDicambaHM1        | Dicamba Hyp.Moyenne( $\mu\text{g}/\text{j}$ )        | 15226 | 0,244  | 0,224  | 0,000 | 4,725   |
| bDicambaHH1        | Dicamba Hyp.Haute( $\mu\text{g}/\text{j}$ )          | 15226 | 0,487  | 0,449  | 0,000 | 9,450   |
| bDichlobenilHB1    | Dichlobenil Hyp.Basse( $\mu\text{g}/\text{j}$ )      | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bDichlobenilHM1    | Dichlobenil Hyp.Moyenne( $\mu\text{g}/\text{j}$ )    | 15226 | 1,297  | 1,583  | 0,000 | 33,780  |
| bDichlobenilHH1    | Dichlobenil Hyp.Haute( $\mu\text{g}/\text{j}$ )      | 15226 | 2,593  | 3,166  | 0,000 | 67,559  |
| bDichlofenthionHB1 | Dichlofenthion Hyp.Basse( $\mu\text{g}/\text{j}$ )   | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bDichlofenthionHM1 | Dichlofenthion Hyp.Moyenne( $\mu\text{g}/\text{j}$ ) | 15226 | 6,855  | 3,961  | 0,168 | 56,458  |
| bDichlofenthionHH1 | Dichlofenthion Hyp.Haute( $\mu\text{g}/\text{j}$ )   | 15226 | 13,710 | 7,922  | 0,336 | 112,916 |
| bDichlofluanidHB1  | Dichlofluanid Hyp.Basse( $\mu\text{g}/\text{j}$ )    | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bDichlofluanidHM1  | Dichlofluanid Hyp.Moyenne( $\mu\text{g}/\text{j}$ )  | 15226 | 17,476 | 9,407  | 1,125 | 163,728 |
| bDichlofluanidHH1  | Dichlofluanid Hyp.Haute( $\mu\text{g}/\text{j}$ )    | 15226 | 34,953 | 18,814 | 2,249 | 327,456 |

|                    |                                  |       |         |         |        |          |
|--------------------|----------------------------------|-------|---------|---------|--------|----------|
| bDichloranHB1      | Dichloran Hyp.Basse(µg/j)        | 15226 | 0,000   | 0,000   | 0,000  | 0,000    |
| bDichloranHM1      | Dichloran Hyp.Moyenne(µg/j)      | 15226 | 0,903   | 0,957   | 0,000  | 14,266   |
| bDichloranHH1      | Dichloran Hyp.Haute(µg/j)        | 15226 | 1,806   | 1,914   | 0,000  | 28,532   |
| bDichlorprop_PHB1  | Dichlorprop_P Hyp.Basse(µg/j)    | 15226 | 0,000   | 0,000   | 0,000  | 0,000    |
| bDichlorprop_PHM1  | Dichlorprop_P Hyp.Moyenne(µg/j)  | 15226 | 2,874   | 2,680   | 0,060  | 33,078   |
| bDichlorprop_PHH1  | Dichlorprop_P Hyp.Haute(µg/j)    | 15226 | 5,747   | 5,359   | 0,120  | 66,156   |
| bDichlorvosHB1     | Dichlorvos Hyp.Basse(µg/j)       | 15226 | 0,017   | 0,038   | 0,000  | 0,294    |
| bDichlorvosHM1     | Dichlorvos Hyp.Moyenne(µg/j)     | 15226 | 20,234  | 10,992  | 1,677  | 254,446  |
| bDichlorvosHH1     | Dichlorvos Hyp.Haute(µg/j)       | 15226 | 40,451  | 21,972  | 3,352  | 508,598  |
| bDiclobutrazolHB1  | Diclobutrazol Hyp.Basse(µg/j)    | 15226 | 0,000   | 0,000   | 0,000  | 0,000    |
| bDiclobutrazolHM1  | Diclobutrazol Hyp.Moyenne(µg/j)  | 15226 | 2,454   | 2,520   | 0,000  | 43,007   |
| bDiclobutrazolHH1  | Diclobutrazol Hyp.Haute(µg/j)    | 15226 | 4,908   | 5,039   | 0,000  | 86,014   |
| bDicofolHB1        | Dicofol Hyp.Basse(µg/j)          | 15226 | 0,000   | 0,000   | 0,000  | 0,000    |
| bDicofolHM1        | Dicofol Hyp.Moyenne(µg/j)        | 15226 | 17,782  | 9,195   | 1,412  | 150,323  |
| bDicofolHH1        | Dicofol Hyp.Haute(µg/j)          | 15226 | 35,563  | 18,390  | 2,824  | 300,646  |
| bDieldrinHB1       | Dieldrin Hyp.Basse(µg/j)         | 15226 | 0,000   | 0,000   | 0,000  | 0,000    |
| bDieldrinHM1       | Dieldrin Hyp.Moyenne(µg/j)       | 15226 | 23,514  | 12,477  | 1,830  | 171,825  |
| bDieldrinHH1       | Dieldrin Hyp.Haute(µg/j)         | 15226 | 47,028  | 24,954  | 3,661  | 343,651  |
| bDienochlorHB1     | Dienochlor Hyp.Basse(µg/j)       | 15226 | 0,000   | 0,000   | 0,000  | 0,000    |
| bDienochlorHM1     | Dienochlor Hyp.Moyenne(µg/j)     | 15226 | 1,297   | 1,583   | 0,000  | 33,780   |
| bDienochlorHH1     | Dienochlor Hyp.Haute(µg/j)       | 15226 | 2,593   | 3,166   | 0,000  | 67,559   |
| bDiethofencarbHB1  | Diethofencarb Hyp.Basse(µg/j)    | 15226 | 0,457   | 0,703   | 0,000  | 4,835    |
| bDiethofencarbHM1  | Diethofencarb Hyp.Moyenne(µg/j)  | 15226 | 8,061   | 6,847   | 0,350  | 137,638  |
| bDiethofencarbHH1  | Diethofencarb Hyp.Haute(µg/j)    | 15226 | 15,665  | 13,528  | 0,697  | 274,151  |
| bDifenoconazoleHB1 | Difenoconazole Hyp.Basse(µg/j)   | 15226 | 0,000   | 0,000   | 0,000  | 0,000    |
| bDifenoconazoleHM1 | Difenoconazole Hyp.Moyenne(µg/j) | 15226 | 5,983   | 4,496   | 0,272  | 95,354   |
| bDifenoconazoleHH1 | Difenoconazole Hyp.Haute(µg/j)   | 15226 | 11,966  | 8,993   | 0,543  | 190,708  |
| bDiflubenzuronHB1  | Diflubenzuron Hyp.Basse(µg/j)    | 15226 | 0,001   | 0,002   | 0,000  | 0,008    |
| bDiflubenzuronHM1  | Diflubenzuron Hyp.Moyenne(µg/j)  | 15226 | 5,956   | 6,471   | 0,227  | 266,083  |
| bDiflubenzuronHH1  | Diflubenzuron Hyp.Haute(µg/j)    | 15226 | 11,911  | 12,941  | 0,454  | 532,158  |
| bDimethoateHB1     | Dimethoate Hyp.Basse(µg/j)       | 15226 | 0,774   | 1,578   | 0,000  | 7,314    |
| bDimethoateHM1     | Dimethoate Hyp.Moyenne(µg/j)     | 15226 | 106,596 | 56,849  | 7,264  | 785,265  |
| bDimethoateHH1     | Dimethoate Hyp.Haute(µg/j)       | 15226 | 212,418 | 113,431 | 14,527 | 1570,490 |
| bDimethomorphHB1   | Dimethomorph Hyp.Basse(µg/j)     | 15226 | 0,000   | 0,000   | 0,000  | 0,000    |
| bDimethomorphHM1   | Dimethomorph Hyp.Moyenne(µg/j)   | 15226 | 5,030   | 3,902   | 0,196  | 86,804   |
| bDimethomorphHH1   | Dimethomorph Hyp.Haute(µg/j)     | 15226 | 10,060  | 7,803   | 0,392  | 173,608  |
| bDiniconazoleHB1   | Diniconazole Hyp.Basse(µg/j)     | 15226 | 0,000   | 0,000   | 0,000  | 0,000    |
| bDiniconazoleHM1   | Diniconazole Hyp.Moyenne(µg/j)   | 15226 | 5,544   | 5,859   | 0,088  | 122,966  |
| bDiniconazoleHH1   | Diniconazole Hyp.Haute(µg/j)     | 15226 | 11,087  | 11,718  | 0,176  | 245,933  |
| bDinocapHB1        | Dinocap Hyp.Basse(µg/j)          | 15226 | 0,000   | 0,000   | 0,000  | 0,000    |
| bDinocapHM1        | Dinocap Hyp.Moyenne(µg/j)        | 15226 | 1,157   | 1,494   | 0,000  | 14,056   |
| bDinocapHH1        | Dinocap Hyp.Haute(µg/j)          | 15226 | 2,315   | 2,987   | 0,000  | 28,113   |
| bDioxacarbHB1      | Dioxacarb Hyp.Basse(µg/j)        | 15226 | 0,000   | 0,000   | 0,000  | 0,000    |
| bDioxacarbHM1      | Dioxacarb Hyp.Moyenne(µg/j)      | 15226 | 1,297   | 1,583   | 0,000  | 33,780   |
| bDioxacarbHH1      | Dioxacarb Hyp.Haute(µg/j)        | 15226 | 2,593   | 3,166   | 0,000  | 67,559   |
| bDiphenylamineHB1  | Diphenylamine Hyp.Basse(µg/j)    | 15226 | 3,834   | 6,037   | 0,000  | 27,550   |
| bDiphenylamineHM1  | Diphenylamine Hyp.Moyenne(µg/j)  | 15226 | 13,686  | 8,828   | 0,850  | 126,821  |
| bDiphenylamineHH1  | Diphenylamine Hyp.Haute(µg/j)    | 15226 | 23,538  | 13,189  | 1,700  | 226,098  |
| bDiquatHB1         | Diquat Hyp.Basse(µg/j)           | 15226 | 0,000   | 0,000   | 0,000  | 0,000    |
| bDiquatHM1         | Diquat Hyp.Moyenne(µg/j)         | 15226 | 0,608   | 0,438   | 0,000  | 5,806    |
| bDiquatHH1         | Diquat Hyp.Haute(µg/j)           | 15226 | 1,215   | 0,877   | 0,000  | 11,612   |
| bDisulfotonHB1     | Disulfoton Hyp.Basse(µg/j)       | 15226 | 0,000   | 0,000   | 0,000  | 0,000    |
| bDisulfotonHM1     | Disulfoton Hyp.Moyenne(µg/j)     | 15226 | 15,994  | 8,508   | 0,525  | 113,359  |
| bDisulfotonHH1     | Disulfoton Hyp.Haute(µg/j)       | 15226 | 31,987  | 17,015  | 1,050  | 226,719  |



|                      |                                    |       |         |         |       |          |
|----------------------|------------------------------------|-------|---------|---------|-------|----------|
| bDitalimfosHB1       | Ditalimfos Hyp.Basse(µg/j)         | 15226 | 0,000   | 0,000   | 0,000 | 0,000    |
| bDitalimfosHM1       | Ditalimfos Hyp.Moyenne(µg/j)       | 15226 | 1,297   | 1,583   | 0,000 | 33,780   |
| bDitalimfosHH1       | Ditalimfos Hyp.Haute(µg/j)         | 15226 | 2,593   | 3,166   | 0,000 | 67,559   |
| bDithiocarbamatesHB1 | Dithiocarbamates Hyp.Basse(µg/j)   | 15226 | 0,000   | 0,000   | 0,000 | 0,000    |
| bDithiocarbamatesHM1 | Dithiocarbamates Hyp.Moyenne(µg/j) | 15226 | 101,862 | 78,485  | 2,466 | 1170,210 |
| bDithiocarbamatesHH1 | Dithiocarbamates Hyp.Haute(µg/j)   | 15226 | 203,724 | 156,970 | 4,932 | 2340,420 |
| bDiuronHB1           | Diuron Hyp.Basse(µg/j)             | 15226 | 0,000   | 0,000   | 0,000 | 0,000    |
| bDiuronHM1           | Diuron Hyp.Moyenne(µg/j)           | 15226 | 1,157   | 1,494   | 0,000 | 14,056   |
| bDiuronHH1           | Diuron Hyp.Haute(µg/j)             | 15226 | 2,315   | 2,987   | 0,000 | 28,113   |
| bEndosulfanHB1       | Endosulfan Hyp.Basse(µg/j)         | 15226 | 0,266   | 0,594   | 0,000 | 4,667    |
| bEndosulfanHM1       | Endosulfan Hyp.Moyenne(µg/j)       | 15226 | 24,838  | 14,195  | 2,632 | 394,877  |
| bEndosulfanHH1       | Endosulfan Hyp.Haute(µg/j)         | 15226 | 49,411  | 28,189  | 5,179 | 785,087  |
| bEndrinHB1           | Endrin Hyp.Basse(µg/j)             | 15226 | 0,000   | 0,000   | 0,000 | 0,000    |
| bEndrinHM1           | Endrin Hyp.Moyenne(µg/j)           | 15226 | 8,980   | 4,627   | 0,537 | 70,529   |
| bEndrinHH1           | Endrin Hyp.Haute(µg/j)             | 15226 | 17,959  | 9,254   | 1,074 | 141,058  |
| bEndrin_ketoneHB1    | Endrin_ketone Hyp.Basse(µg/j)      | 15226 | 0,000   | 0,000   | 0,000 | 0,000    |
| bEndrin_ketoneHM1    | Endrin_ketone Hyp.Moyenne(µg/j)    | 15226 | 0,476   | 0,308   | 0,007 | 6,133    |
| bEndrin_ketoneHH1    | Endrin_ketone Hyp.Haute(µg/j)      | 15226 | 0,951   | 0,615   | 0,014 | 12,267   |
| bEpoxiconazoleHB1    | Epoxiconazole Hyp.Basse(µg/j)      | 15226 | 0,000   | 0,000   | 0,000 | 0,000    |
| bEpoxiconazoleHM1    | Epoxiconazole Hyp.Moyenne(µg/j)    | 15226 | 3,452   | 2,901   | 0,097 | 40,106   |
| bEpoxiconazoleHH1    | Epoxiconazole Hyp.Haute(µg/j)      | 15226 | 6,905   | 5,801   | 0,195 | 80,213   |
| bEsfenvalerateHB1    | Esfenvalerate Hyp.Basse(µg/j)      | 15226 | 0,000   | 0,000   | 0,000 | 0,000    |
| bEsfenvalerateHM1    | Esfenvalerate Hyp.Moyenne(µg/j)    | 15226 | 34,839  | 26,421  | 4,235 | 1065,790 |
| bEsfenvalerateHH1    | Esfenvalerate Hyp.Haute(µg/j)      | 15226 | 69,677  | 52,843  | 8,469 | 2131,590 |
| bEthiofencarbHB1     | Ethiofencarb Hyp.Basse(µg/j)       | 15226 | 0,000   | 0,000   | 0,000 | 0,000    |
| bEthiofencarbHM1     | Ethiofencarb Hyp.Moyenne(µg/j)     | 15226 | 1,297   | 1,583   | 0,000 | 33,780   |
| bEthiofencarbHH1     | Ethiofencarb Hyp.Haute(µg/j)       | 15226 | 2,593   | 3,166   | 0,000 | 67,559   |
| bEthionHB1           | Ethion Hyp.Basse(µg/j)             | 15226 | 0,068   | 0,138   | 0,000 | 1,174    |
| bEthionHM1           | Ethion Hyp.Moyenne(µg/j)           | 15226 | 8,783   | 4,476   | 0,777 | 69,764   |
| bEthionHH1           | Ethion Hyp.Haute(µg/j)             | 15226 | 17,498  | 8,929   | 1,554 | 138,375  |
| bEthirimolHB1        | Ethirimol Hyp.Basse(µg/j)          | 15226 | 0,000   | 0,000   | 0,000 | 0,000    |
| bEthirimolHM1        | Ethirimol Hyp.Moyenne(µg/j)        | 15226 | 1,297   | 1,583   | 0,000 | 33,780   |
| bEthirimolHH1        | Ethirimol Hyp.Haute(µg/j)          | 15226 | 2,593   | 3,166   | 0,000 | 67,559   |
| bEthoprophosHB1      | Ethoprophos Hyp.Basse(µg/j)        | 15226 | 0,000   | 0,000   | 0,000 | 0,000    |
| bEthoprophosHM1      | Ethoprophos Hyp.Moyenne(µg/j)      | 15226 | 16,474  | 8,746   | 1,077 | 135,717  |
| bEthoprophosHH1      | Ethoprophos Hyp.Haute(µg/j)        | 15226 | 32,947  | 17,492  | 2,154 | 271,433  |
| bEthoxyquinHB1       | Ethoxyquin Hyp.Basse(µg/j)         | 15226 | 1,579   | 2,488   | 0,000 | 11,347   |
| bEthoxyquinHM1       | Ethoxyquin Hyp.Moyenne(µg/j)       | 15226 | 8,237   | 5,335   | 0,110 | 69,543   |
| bEthoxyquinHH1       | Ethoxyquin Hyp.Haute(µg/j)         | 15226 | 14,894  | 9,425   | 0,219 | 127,739  |
| bEtofenproxHB1       | Etofenprox Hyp.Basse(µg/j)         | 15226 | 0,127   | 0,338   | 0,000 | 2,100    |
| bEtofenproxHM1       | Etofenprox Hyp.Moyenne(µg/j)       | 15226 | 0,703   | 0,995   | 0,000 | 9,070    |
| bEtofenproxHH1       | Etofenprox Hyp.Haute(µg/j)         | 15226 | 1,278   | 1,721   | 0,000 | 16,040   |
| bEtridiazoleHB1      | Etridiazole Hyp.Basse(µg/j)        | 15226 | 0,000   | 0,000   | 0,000 | 0,000    |
| bEtridiazoleHM1      | Etridiazole Hyp.Moyenne(µg/j)      | 15226 | 1,297   | 1,583   | 0,000 | 33,780   |
| bEtridiazoleHH1      | Etridiazole Hyp.Haute(µg/j)        | 15226 | 2,593   | 3,166   | 0,000 | 67,559   |
| bEtrimfosHB1         | Etrimfos Hyp.Basse(µg/j)           | 15226 | 0,000   | 0,000   | 0,000 | 0,000    |
| bEtrimfosHM1         | Etrimfos Hyp.Moyenne(µg/j)         | 15226 | 1,875   | 1,967   | 0,000 | 37,587   |
| bEtrimfosHH1         | Etrimfos Hyp.Haute(µg/j)           | 15226 | 3,750   | 3,934   | 0,000 | 75,175   |
| bFenamidoneHB1       | Fenamidone Hyp.Basse(µg/j)         | 15226 | 0,000   | 0,000   | 0,000 | 0,000    |
| bFenamidoneHM1       | Fenamidone Hyp.Moyenne(µg/j)       | 15226 | 0,579   | 0,747   | 0,000 | 7,028    |
| bFenamidoneHH1       | Fenamidone Hyp.Haute(µg/j)         | 15226 | 1,157   | 1,494   | 0,000 | 14,056   |
| bFenamiphosHB1       | Fenamiphos Hyp.Basse(µg/j)         | 15226 | 0,000   | 0,000   | 0,000 | 0,000    |
| bFenamiphosHM1       | Fenamiphos Hyp.Moyenne(µg/j)       | 15226 | 3,792   | 3,410   | 0,093 | 72,545   |
| bFenamiphosHH1       | Fenamiphos Hyp.Haute(µg/j)         | 15226 | 7,583   | 6,819   | 0,187 | 145,091  |

|                       |                                     |       |        |        |       |          |
|-----------------------|-------------------------------------|-------|--------|--------|-------|----------|
| bFenarimolHB1         | Fenarimol Hyp.Basse(µg/j)           | 15226 | 0,000  | 0,000  | 0,000 | 0,000    |
| bFenarimolHM1         | Fenarimol Hyp.Moyenne(µg/j)         | 15226 | 16,557 | 8,933  | 0,977 | 122,307  |
| bFenarimolHH1         | Fenarimol Hyp.Haute(µg/j)           | 15226 | 33,115 | 17,865 | 1,954 | 244,615  |
| bFenazaquinHB1        | Fenazaquin Hyp.Basse(µg/j)          | 15226 | 0,000  | 0,000  | 0,000 | 0,000    |
| bFenazaquinHM1        | Fenazaquin Hyp.Moyenne(µg/j)        | 15226 | 0,579  | 0,747  | 0,000 | 7,028    |
| bFenazaquinHH1        | Fenazaquin Hyp.Haute(µg/j)          | 15226 | 1,157  | 1,494  | 0,000 | 14,056   |
| bFenbuconazoleHB1     | Fenbuconazole Hyp.Basse(µg/j)       | 15226 | 0,144  | 0,298  | 0,000 | 1,356    |
| bFenbuconazoleHM1     | Fenbuconazole Hyp.Moyenne(µg/j)     | 15226 | 3,345  | 2,636  | 0,084 | 49,389   |
| bFenbuconazoleHH1     | Fenbuconazole Hyp.Haute(µg/j)       | 15226 | 6,546  | 5,144  | 0,169 | 97,421   |
| bFenbutatin_oxideHB1  | Fenbutatin_oxide Hyp.Basse(µg/j)    | 15226 | 0,000  | 0,000  | 0,000 | 0,000    |
| bFenbutatin_oxideHM1  | Fenbutatin_oxide Hyp.Moyenne(µg/j)  | 15226 | 0,157  | 0,128  | 0,000 | 2,626    |
| bFenbutatin_oxideHH1  | Fenbutatin_oxide Hyp.Haute(µg/j)    | 15226 | 0,313  | 0,256  | 0,000 | 5,252    |
| bFenchlorphosHB1      | Fenchlorphos Hyp.Basse(µg/j)        | 15226 | 0,000  | 0,000  | 0,000 | 0,000    |
| bFenchlorphosHM1      | Fenchlorphos Hyp.Moyenne(µg/j)      | 15226 | 8,149  | 4,474  | 0,293 | 65,347   |
| bFenchlorphosHH1      | Fenchlorphos Hyp.Haute(µg/j)        | 15226 | 16,297 | 8,947  | 0,587 | 130,694  |
| bFenhexamidHB1        | Fenhexamid Hyp.Basse(µg/j)          | 15226 | 3,166  | 7,055  | 0,000 | 53,317   |
| bFenhexamidHM1        | Fenhexamid Hyp.Moyenne(µg/j)        | 15226 | 35,896 | 20,675 | 2,638 | 411,602  |
| bFenhexamidHH1        | Fenhexamid Hyp.Haute(µg/j)          | 15226 | 68,626 | 37,939 | 5,010 | 769,887  |
| bFenitrothionHB1      | Fenitrothion Hyp.Basse(µg/j)        | 15226 | 0,001  | 0,003  | 0,000 | 0,082    |
| bFenitrothionHM1      | Fenitrothion Hyp.Moyenne(µg/j)      | 15226 | 9,963  | 5,179  | 0,799 | 94,203   |
| bFenitrothionHH1      | Fenitrothion Hyp.Haute(µg/j)        | 15226 | 19,925 | 10,356 | 1,597 | 188,348  |
| bFenoxycarbHB1        | Fenoxycarb Hyp.Basse(µg/j)          | 15226 | 0,000  | 0,000  | 0,000 | 0,000    |
| bFenoxycarbHM1        | Fenoxycarb Hyp.Moyenne(µg/j)        | 15226 | 2,454  | 2,520  | 0,000 | 43,007   |
| bFenoxycarbHH1        | Fenoxycarb Hyp.Haute(µg/j)          | 15226 | 4,908  | 5,039  | 0,000 | 86,014   |
| bFenpropathrinHB1     | Fenpropathrin Hyp.Basse(µg/j)       | 15226 | 0,000  | 0,000  | 0,000 | 0,000    |
| bFenpropathrinHM1     | Fenpropathrin Hyp.Moyenne(µg/j)     | 15226 | 15,370 | 8,269  | 1,045 | 117,896  |
| bFenpropathrinHH1     | Fenpropathrin Hyp.Haute(µg/j)       | 15226 | 30,740 | 16,538 | 2,091 | 235,793  |
| bFenpropidineHB1      | Fenpropidine Hyp.Basse(µg/j)        | 15226 | 0,000  | 0,000  | 0,000 | 0,000    |
| bFenpropidineHM1      | Fenpropidine Hyp.Moyenne(µg/j)      | 15226 | 1,437  | 1,340  | 0,030 | 16,539   |
| bFenpropidineHH1      | Fenpropidine Hyp.Haute(µg/j)        | 15226 | 2,874  | 2,680  | 0,060 | 33,078   |
| bFenpropimorphHB1     | Fenpropimorph Hyp.Basse(µg/j)       | 15226 | 0,000  | 0,000  | 0,000 | 0,000    |
| bFenpropimorphHM1     | Fenpropimorph Hyp.Moyenne(µg/j)     | 15226 | 3,475  | 2,568  | 0,130 | 49,035   |
| bFenpropimorphHH1     | Fenpropimorph Hyp.Haute(µg/j)       | 15226 | 6,950  | 5,137  | 0,260 | 98,069   |
| bFenpyroximateHB1     | Fenpyroximate Hyp.Basse(µg/j)       | 15226 | 0,000  | 0,000  | 0,000 | 0,000    |
| bFenpyroximateHM1     | Fenpyroximate Hyp.Moyenne(µg/j)     | 15226 | 0,579  | 0,747  | 0,000 | 7,028    |
| bFenpyroximateHH1     | Fenpyroximate Hyp.Haute(µg/j)       | 15226 | 1,157  | 1,494  | 0,000 | 14,056   |
| bFensonHB1            | Fenson Hyp.Basse(µg/j)              | 15226 | 0,000  | 0,000  | 0,000 | 0,000    |
| bFensonHM1            | Fenson Hyp.Moyenne(µg/j)            | 15226 | 1,297  | 1,583  | 0,000 | 33,780   |
| bFensonHH1            | Fenson Hyp.Haute(µg/j)              | 15226 | 2,593  | 3,166  | 0,000 | 67,559   |
| bFenthionHB1          | Fenthion Hyp.Basse(µg/j)            | 15226 | 0,000  | 0,000  | 0,000 | 0,000    |
| bFenthionHM1          | Fenthion Hyp.Moyenne(µg/j)          | 15226 | 18,724 | 9,450  | 1,944 | 151,797  |
| bFenthionHH1          | Fenthion Hyp.Haute(µg/j)            | 15226 | 37,448 | 18,900 | 3,888 | 303,595  |
| bFentin_acetateHB1    | Fentin_acetate Hyp.Basse(µg/j)      | 15226 | 0,000  | 0,000  | 0,000 | 0,000    |
| bFentin_acetateHM1    | Fentin_acetate Hyp.Moyenne(µg/j)    | 15226 | 0,341  | 0,247  | 0,000 | 3,975    |
| bFentin_acetateHH1    | Fentin_acetate Hyp.Haute(µg/j)      | 15226 | 0,683  | 0,495  | 0,000 | 7,949    |
| bFentin_hydroxideHB1  | Fentin_hydroxide Hyp.Basse(µg/j)    | 15226 | 0,000  | 0,000  | 0,000 | 0,000    |
| bFentin_hydroxideHM1  | Fentin_hydroxide Hyp.Moyenne(µg/j)  | 15226 | 0,341  | 0,247  | 0,000 | 3,975    |
| bFentin_hydroxideHH1  | Fentin_hydroxide Hyp.Haute(µg/j)    | 15226 | 0,683  | 0,495  | 0,000 | 7,949    |
| bFipronilHB1          | Fipronil Hyp.Basse(µg/j)            | 15226 | 0,000  | 0,000  | 0,000 | 0,000    |
| bFipronilHM1          | Fipronil Hyp.Moyenne(µg/j)          | 15226 | 2,594  | 2,168  | 0,063 | 30,596   |
| bFipronilHH1          | Fipronil Hyp.Haute(µg/j)            | 15226 | 5,188  | 4,337  | 0,125 | 61,191   |
| bFluazifop_P_butylHB1 | Fluazifop_P_butyl Hyp.Basse(µg/j)   | 15226 | 0,000  | 0,000  | 0,000 | 0,000    |
| bFluazifop_P_butylHM1 | Fluazifop_P_butyl Hyp.Moyenne(µg/j) | 15226 | 34,853 | 39,654 | 0,241 | 859,873  |
| bFluazifop_P_butylHH1 | Fluazifop_P_butyl Hyp.Haute(µg/j)   | 15226 | 69,707 | 79,307 | 0,481 | 1719,750 |

|                       |                                     |       |        |        |       |         |
|-----------------------|-------------------------------------|-------|--------|--------|-------|---------|
| bFlubenzimineHB1      | Flubenzimine Hyp.Basse(µg/j)        | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bFlubenzimineHM1      | Flubenzimine Hyp.Moyenne(µg/j)      | 15226 | 1,297  | 1,583  | 0,000 | 33,780  |
| bFlubenzimineHH1      | Flubenzimine Hyp.Haute(µg/j)        | 15226 | 2,593  | 3,166  | 0,000 | 67,559  |
| bFludioxonylHB1       | Fludioxonyl Hyp.Basse(µg/j)         | 15226 | 3,578  | 4,501  | 0,000 | 47,061  |
| bFludioxonylHM1       | Fludioxonyl Hyp.Moyenne(µg/j)       | 15226 | 18,096 | 9,895  | 1,117 | 130,938 |
| bFludioxonylHH1       | Fludioxonyl Hyp.Haute(µg/j)         | 15226 | 32,613 | 17,374 | 2,005 | 227,115 |
| bFlufenoxuronHB1      | Flufenoxuron Hyp.Basse(µg/j)        | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bFlufenoxuronHM1      | Flufenoxuron Hyp.Moyenne(µg/j)      | 15226 | 0,579  | 0,747  | 0,000 | 7,028   |
| bFlufenoxuronHH1      | Flufenoxuron Hyp.Haute(µg/j)        | 15226 | 1,157  | 1,494  | 0,000 | 14,056  |
| bFluquinconazoleHB1   | Fluquinconazole Hyp.Basse(µg/j)     | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bFluquinconazoleHM1   | Fluquinconazole Hyp.Moyenne(µg/j)   | 15226 | 3,452  | 2,901  | 0,097 | 40,106  |
| bFluquinconazoleHH1   | Fluquinconazole Hyp.Haute(µg/j)     | 15226 | 6,905  | 5,801  | 0,195 | 80,213  |
| bFlusilazoleHB1       | Flusilazole Hyp.Basse(µg/j)         | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bFlusilazoleHM1       | Flusilazole Hyp.Moyenne(µg/j)       | 15226 | 4,581  | 3,601  | 0,171 | 67,044  |
| bFlusilazoleHH1       | Flusilazole Hyp.Haute(µg/j)         | 15226 | 9,162  | 7,203  | 0,343 | 134,089 |
| bFlutolanilHB1        | Flutolanil Hyp.Basse(µg/j)          | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bFlutolanilHM1        | Flutolanil Hyp.Moyenne(µg/j)        | 15226 | 13,876 | 7,895  | 0,364 | 112,601 |
| bFlutolanilHH1        | Flutolanil Hyp.Haute(µg/j)          | 15226 | 27,751 | 15,791 | 0,728 | 225,202 |
| bFlutriafolHB1        | Flutriafol Hyp.Basse(µg/j)          | 15226 | 0,268  | 0,461  | 0,000 | 6,196   |
| bFlutriafolHM1        | Flutriafol Hyp.Moyenne(µg/j)        | 15226 | 4,807  | 3,704  | 0,136 | 68,181  |
| bFlutriafolHH1        | Flutriafol Hyp.Haute(µg/j)          | 15226 | 9,346  | 7,203  | 0,273 | 130,799 |
| bFluvalinateHB1       | Fluvalinate Hyp.Basse(µg/j)         | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bFluvalinateHM1       | Fluvalinate Hyp.Moyenne(µg/j)       | 15226 | 1,875  | 1,967  | 0,000 | 37,587  |
| bFluvalinateHH1       | Fluvalinate Hyp.Haute(µg/j)         | 15226 | 3,750  | 3,934  | 0,000 | 75,175  |
| bFolpetHB1            | Folpet Hyp.Basse(µg/j)              | 15226 | 0,041  | 0,065  | 0,000 | 0,297   |
| bFolpetHM1            | Folpet Hyp.Moyenne(µg/j)            | 15226 | 20,336 | 10,592 | 1,742 | 203,707 |
| bFolpetHH1            | Folpet Hyp.Haute(µg/j)              | 15226 | 40,631 | 21,172 | 3,464 | 407,117 |
| bFonofosHB1           | Fonofos Hyp.Basse(µg/j)             | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bFonofosHM1           | Fonofos Hyp.Moyenne(µg/j)           | 15226 | 16,855 | 8,774  | 1,141 | 129,013 |
| bFonofosHH1           | Fonofos Hyp.Haute(µg/j)             | 15226 | 33,709 | 17,548 | 2,282 | 258,026 |
| bFormothionHB1        | Formothion Hyp.Basse(µg/j)          | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bFormothionHM1        | Formothion Hyp.Moyenne(µg/j)        | 15226 | 2,627  | 2,169  | 0,073 | 42,033  |
| bFormothionHH1        | Formothion Hyp.Haute(µg/j)          | 15226 | 5,255  | 4,338  | 0,146 | 84,066  |
| bFurathiocarbHB1      | Furathiocarb Hyp.Basse(µg/j)        | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bFurathiocarbHM1      | Furathiocarb Hyp.Moyenne(µg/j)      | 15226 | 2,454  | 2,520  | 0,000 | 43,007  |
| bFurathiocarbHH1      | Furathiocarb Hyp.Haute(µg/j)        | 15226 | 4,908  | 5,039  | 0,000 | 86,014  |
| bHCHHB1               | HCH Hyp.Basse(µg/j)                 | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bHCHHM1               | HCH Hyp.Moyenne(µg/j)               | 15226 | 16,244 | 8,173  | 1,470 | 125,136 |
| bHCHHH1               | HCH Hyp.Haute(µg/j)                 | 15226 | 32,488 | 16,346 | 2,939 | 250,272 |
| bHaloxfopHB1          | Haloxfop Hyp.Basse(µg/j)            | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bHaloxfopHM1          | Haloxfop Hyp.Moyenne(µg/j)          | 15226 | 2,874  | 2,680  | 0,060 | 33,078  |
| bHaloxfopHH1          | Haloxfop Hyp.Haute(µg/j)            | 15226 | 5,747  | 5,359  | 0,120 | 66,156  |
| bHeptachlorHB1        | Heptachlor Hyp.Basse(µg/j)          | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bHeptachlorHM1        | Heptachlor Hyp.Moyenne(µg/j)        | 15226 | 20,256 | 10,521 | 1,290 | 177,654 |
| bHeptachlorHH1        | Heptachlor Hyp.Haute(µg/j)          | 15226 | 40,511 | 21,043 | 2,580 | 355,309 |
| bHeptenophosHB1       | Heptenophos Hyp.Basse(µg/j)         | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bHeptenophosHM1       | Heptenophos Hyp.Moyenne(µg/j)       | 15226 | 15,761 | 8,367  | 0,891 | 115,725 |
| bHeptenophosHH1       | Heptenophos Hyp.Haute(µg/j)         | 15226 | 31,521 | 16,733 | 1,783 | 231,451 |
| bHexachlorobenzeneHB1 | Hexachlorobenzene Hyp.Basse(µg/j)   | 15226 | 0,002  | 0,004  | 0,000 | 0,118   |
| bHexachlorobenzeneHM1 | Hexachlorobenzene Hyp.Moyenne(µg/j) | 15226 | 8,137  | 4,257  | 0,692 | 62,811  |
| bHexachlorobenzeneHH1 | Hexachlorobenzene Hyp.Haute(µg/j)   | 15226 | 16,271 | 8,513  | 1,384 | 125,616 |
| bHexaconazoleHB1      | Hexaconazole Hyp.Basse(µg/j)        | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bHexaconazoleHM1      | Hexaconazole Hyp.Moyenne(µg/j)      | 15226 | 4,071  | 3,139  | 0,175 | 73,188  |
| bHexaconazoleHH1      | Hexaconazole Hyp.Haute(µg/j)        | 15226 | 8,142  | 6,278  | 0,349 | 146,376 |

|                         |                                       |       |         |        |       |         |
|-------------------------|---------------------------------------|-------|---------|--------|-------|---------|
| bHexaflumuronHB1        | Hexaflumuron Hyp.Basse(µg/j)          | 15226 | 0,000   | 0,000  | 0,000 | 0,000   |
| bHexaflumuronHM1        | Hexaflumuron Hyp.Moyenne(µg/j)        | 15226 | 1,157   | 1,494  | 0,000 | 14,056  |
| bHexaflumuronHH1        | Hexaflumuron Hyp.Haute(µg/j)          | 15226 | 2,315   | 2,987  | 0,000 | 28,113  |
| bHexythiazoxHB1         | Hexythiazox Hyp.Basse(µg/j)           | 15226 | 0,000   | 0,000  | 0,000 | 0,000   |
| bHexythiazoxHM1         | Hexythiazox Hyp.Moyenne(µg/j)         | 15226 | 6,533   | 6,808  | 0,243 | 273,100 |
| bHexythiazoxHH1         | Hexythiazox Hyp.Haute(µg/j)           | 15226 | 13,066  | 13,617 | 0,486 | 546,201 |
| bHydroxycarbofuran_3HB1 | Hydroxycarbofuran_3 Hyp.Basse(µg/j)   | 15226 | 0,000   | 0,000  | 0,000 | 0,000   |
| bHydroxycarbofuran_3HM1 | Hydroxycarbofuran_3 Hyp.Moyenne(µg/j) | 15226 | 3,241   | 3,957  | 0,000 | 84,449  |
| bHydroxycarbofuran_3HH1 | Hydroxycarbofuran_3 Hyp.Haute(µg/j)   | 15226 | 6,483   | 7,915  | 0,000 | 168,898 |
| blmazalilHB1            | Imazalil Hyp.Basse(µg/j)              | 15226 | 14,085  | 14,767 | 0,000 | 195,650 |
| blmazalilHM1            | Imazalil Hyp.Moyenne(µg/j)            | 15226 | 60,922  | 32,848 | 4,153 | 552,618 |
| blmazalilHH1            | Imazalil Hyp.Haute(µg/j)              | 15226 | 107,759 | 55,482 | 6,895 | 918,283 |
| blmidaclopridHB1        | Imidacloprid Hyp.Basse(µg/j)          | 15226 | 0,040   | 0,068  | 0,000 | 0,923   |
| blmidaclopridHM1        | Imidacloprid Hyp.Moyenne(µg/j)        | 15226 | 1,176   | 0,963  | 0,108 | 31,003  |
| blmidaclopridHH1        | Imidacloprid Hyp.Haute(µg/j)          | 15226 | 2,313   | 1,899  | 0,210 | 61,952  |
| blndoxacarbeHB1         | Indoxacarbe Hyp.Basse(µg/j)           | 15226 | 0,000   | 0,000  | 0,000 | 0,000   |
| blndoxacarbeHM1         | Indoxacarbe Hyp.Moyenne(µg/j)         | 15226 | 3,266   | 3,404  | 0,121 | 136,550 |
| blndoxacarbeHH1         | Indoxacarbe Hyp.Haute(µg/j)           | 15226 | 6,533   | 6,808  | 0,243 | 273,100 |
| blodofenphosHB1         | Iodofenphos Hyp.Basse(µg/j)           | 15226 | 0,000   | 0,000  | 0,000 | 0,000   |
| blodofenphosHM1         | Iodofenphos Hyp.Moyenne(µg/j)         | 15226 | 7,585   | 4,240  | 0,191 | 58,769  |
| blodofenphosHH1         | Iodofenphos Hyp.Haute(µg/j)           | 15226 | 15,170  | 8,480  | 0,382 | 117,538 |
| blprodioneHB1           | Iprodione Hyp.Basse(µg/j)             | 15226 | 10,492  | 13,220 | 0,000 | 138,856 |
| blprodioneHM1           | Iprodione Hyp.Moyenne(µg/j)           | 15226 | 28,426  | 17,744 | 3,075 | 266,971 |
| blprodioneHH1           | Iprodione Hyp.Haute(µg/j)             | 15226 | 46,361  | 24,846 | 5,431 | 412,618 |
| blprovalicarbHB1        | Iprovalicarb Hyp.Basse(µg/j)          | 15226 | 0,000   | 0,000  | 0,000 | 0,000   |
| blprovalicarbHM1        | Iprovalicarb Hyp.Moyenne(µg/j)        | 15226 | 26,237  | 15,447 | 0,820 | 225,619 |
| blprovalicarbHH1        | Iprovalicarb Hyp.Haute(µg/j)          | 15226 | 52,475  | 30,894 | 1,640 | 451,239 |
| blsazofosHB1            | Isazofos Hyp.Basse(µg/j)              | 15226 | 0,000   | 0,000  | 0,000 | 0,000   |
| blsazofosHM1            | Isazofos Hyp.Moyenne(µg/j)            | 15226 | 1,297   | 1,583  | 0,000 | 33,780  |
| blsazofosHH1            | Isazofos Hyp.Haute(µg/j)              | 15226 | 2,593   | 3,166  | 0,000 | 67,559  |
| blsofenphosHB1          | Isofenphos Hyp.Basse(µg/j)            | 15226 | 0,000   | 0,000  | 0,000 | 0,000   |
| blsofenphosHM1          | Isofenphos Hyp.Moyenne(µg/j)          | 15226 | 8,149   | 4,474  | 0,293 | 65,347  |
| blsofenphosHH1          | Isofenphos Hyp.Haute(µg/j)            | 15226 | 16,297  | 8,947  | 0,587 | 130,694 |
| blsofenphos_methylHB1   | Isofenphos_methyl Hyp.Basse(µg/j)     | 15226 | 0,000   | 0,000  | 0,000 | 0,000   |
| blsofenphos_methylHM1   | Isofenphos_methyl Hyp.Moyenne(µg/j)   | 15226 | 10,204  | 5,260  | 0,601 | 93,809  |
| blsofenphos_methylHH1   | Isofenphos_methyl Hyp.Haute(µg/j)     | 15226 | 20,408  | 10,521 | 1,202 | 187,618 |
| bKresoxim_methylHB1     | Kresoxim_methyl Hyp.Basse(µg/j)       | 15226 | 0,035   | 0,077  | 0,000 | 0,611   |
| bKresoxim_methylHM1     | Kresoxim_methyl Hyp.Moyenne(µg/j)     | 15226 | 9,758   | 5,218  | 0,850 | 98,995  |
| bKresoxim_methylHH1     | Kresoxim_methyl Hyp.Haute(µg/j)       | 15226 | 19,482  | 10,412 | 1,697 | 197,380 |
| bLambda_CyhalothrinHB1  | Lambda_Cyhalothrin Hyp.Basse(µg/j)    | 15226 | 0,368   | 0,472  | 0,000 | 6,838   |
| bLambda_CyhalothrinHM1  | Lambda_Cyhalothrin Hyp.Moyenne(µg/j)  | 15226 | 10,911  | 6,021  | 1,225 | 158,775 |
| bLambda_CyhalothrinHH1  | Lambda_Cyhalothrin Hyp.Haute(µg/j)    | 15226 | 21,455  | 11,839 | 2,378 | 310,712 |
| bLindaneHB1             | Lindane Hyp.Basse(µg/j)               | 15226 | 0,045   | 0,055  | 0,000 | 0,996   |
| bLindaneHM1             | Lindane Hyp.Moyenne(µg/j)             | 15226 | 11,386  | 5,723  | 0,880 | 96,873  |
| bLindaneHH1             | Lindane Hyp.Haute(µg/j)               | 15226 | 22,727  | 11,428 | 1,721 | 192,870 |
| bLinuronHB1             | Linuron Hyp.Basse(µg/j)               | 15226 | 0,000   | 0,000  | 0,000 | 0,000   |
| bLinuronHM1             | Linuron Hyp.Moyenne(µg/j)             | 15226 | 2,232   | 2,213  | 0,074 | 65,865  |
| bLinuronHH1             | Linuron Hyp.Haute(µg/j)               | 15226 | 4,465   | 4,426  | 0,148 | 131,730 |
| bMalathionHB1           | Malathion Hyp.Basse(µg/j)             | 15226 | 0,007   | 0,013  | 0,000 | 0,359   |
| bMalathionHM1           | Malathion Hyp.Moyenne(µg/j)           | 15226 | 16,207  | 8,523  | 1,326 | 128,500 |
| bMalathionHH1           | Malathion Hyp.Haute(µg/j)             | 15226 | 32,406  | 17,042 | 2,650 | 256,762 |
| bMecarbamHB1            | Mecarbam Hyp.Basse(µg/j)              | 15226 | 0,000   | 0,000  | 0,000 | 0,000   |
| bMecarbamHM1            | Mecarbam Hyp.Moyenne(µg/j)            | 15226 | 15,454  | 8,294  | 1,012 | 117,616 |
| bMecarbamHH1            | Mecarbam Hyp.Haute(µg/j)              | 15226 | 30,908  | 16,588 | 2,023 | 235,233 |

|                   |                                 |       |        |        |       |         |
|-------------------|---------------------------------|-------|--------|--------|-------|---------|
| bMepanipyrinHB1   | Mepanipyrin Hyp.Basse(µg/j)     | 15226 | 0,159  | 0,326  | 0,000 | 2,742   |
| bMepanipyrinHM1   | Mepanipyrin Hyp.Moyenne(µg/j)   | 15226 | 20,763 | 11,649 | 2,307 | 326,186 |
| bMepanipyrinHH1   | Mepanipyrin Hyp.Haute(µg/j)     | 15226 | 41,367 | 23,183 | 4,591 | 649,631 |
| bMepiquatHB1      | Mepiquat Hyp.Basse(µg/j)        | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bMepiquatHM1      | Mepiquat Hyp.Moyenne(µg/j)      | 15226 | 1,157  | 1,494  | 0,000 | 14,056  |
| bMepiquatHH1      | Mepiquat Hyp.Haute(µg/j)        | 15226 | 2,315  | 2,987  | 0,000 | 28,113  |
| bMepronilHB1      | Mepronil Hyp.Basse(µg/j)        | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bMepronilHM1      | Mepronil Hyp.Moyenne(µg/j)      | 15226 | 17,560 | 9,295  | 1,047 | 133,274 |
| bMepronilHH1      | Mepronil Hyp.Haute(µg/j)        | 15226 | 35,119 | 18,591 | 2,094 | 266,547 |
| bMetalaxyl_MHB1   | Metalaxyl_M Hyp.Basse(µg/j)     | 15226 | 0,213  | 0,272  | 0,000 | 2,758   |
| bMetalaxyl_MHM1   | Metalaxyl_M Hyp.Moyenne(µg/j)   | 15226 | 9,571  | 5,049  | 0,837 | 99,426  |
| bMetalaxyl_MHH1   | Metalaxyl_M Hyp.Haute(µg/j)     | 15226 | 18,930 | 9,979  | 1,653 | 196,741 |
| bMetconazoleHB1   | Metconazole Hyp.Basse(µg/j)     | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bMetconazoleHM1   | Metconazole Hyp.Moyenne(µg/j)   | 15226 | 4,547  | 3,517  | 0,136 | 62,773  |
| bMetconazoleHH1   | Metconazole Hyp.Haute(µg/j)     | 15226 | 9,093  | 7,033  | 0,273 | 125,546 |
| bMethacrifosHB1   | Methacrifos Hyp.Basse(µg/j)     | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bMethacrifosHM1   | Methacrifos Hyp.Moyenne(µg/j)   | 15226 | 4,547  | 3,517  | 0,136 | 62,773  |
| bMethacrifosHH1   | Methacrifos Hyp.Haute(µg/j)     | 15226 | 9,093  | 7,033  | 0,273 | 125,546 |
| bMethamidophosHB1 | Methamidophos Hyp.Basse(µg/j)   | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bMethamidophosHM1 | Methamidophos Hyp.Moyenne(µg/j) | 15226 | 31,036 | 16,610 | 1,694 | 226,841 |
| bMethamidophosHH1 | Methamidophos Hyp.Haute(µg/j)   | 15226 | 62,072 | 33,219 | 3,389 | 453,682 |
| bMethidathionHB1  | Methidathion Hyp.Basse(µg/j)    | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bMethidathionHM1  | Methidathion Hyp.Moyenne(µg/j)  | 15226 | 17,200 | 9,115  | 1,486 | 185,482 |
| bMethidathionHH1  | Methidathion Hyp.Haute(µg/j)    | 15226 | 34,399 | 18,230 | 2,972 | 370,963 |
| bMethiocarbHB1    | Methiocarb Hyp.Basse(µg/j)      | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bMethiocarbHM1    | Methiocarb Hyp.Moyenne(µg/j)    | 15226 | 14,472 | 16,031 | 0,244 | 346,657 |
| bMethiocarbHH1    | Methiocarb Hyp.Haute(µg/j)      | 15226 | 28,944 | 32,062 | 0,489 | 693,313 |
| bMethomylHB1      | Methomyl Hyp.Basse(µg/j)        | 15226 | 0,005  | 0,012  | 0,000 | 0,078   |
| bMethomylHM1      | Methomyl Hyp.Moyenne(µg/j)      | 15226 | 3,126  | 2,023  | 0,225 | 57,022  |
| bMethomylHH1      | Methomyl Hyp.Haute(µg/j)        | 15226 | 6,246  | 4,038  | 0,451 | 113,966 |
| bMethoxychlorHB1  | Methoxychlor Hyp.Basse(µg/j)    | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bMethoxychlorHM1  | Methoxychlor Hyp.Moyenne(µg/j)  | 15226 | 4,547  | 3,517  | 0,136 | 62,773  |
| bMethoxychlorHH1  | Methoxychlor Hyp.Haute(µg/j)    | 15226 | 9,093  | 7,033  | 0,273 | 125,546 |
| bMetolachlorHB1   | Metolachlor Hyp.Basse(µg/j)     | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bMetolachlorHM1   | Metolachlor Hyp.Moyenne(µg/j)   | 15226 | 3,206  | 2,519  | 0,084 | 48,081  |
| bMetolachlorHH1   | Metolachlor Hyp.Haute(µg/j)     | 15226 | 6,412  | 5,038  | 0,169 | 96,161  |
| bMetoxuronHB1     | Metoxuron Hyp.Basse(µg/j)       | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bMetoxuronHM1     | Metoxuron Hyp.Moyenne(µg/j)     | 15226 | 1,075  | 1,241  | 0,019 | 51,809  |
| bMetoxuronHH1     | Metoxuron Hyp.Haute(µg/j)       | 15226 | 2,150  | 2,482  | 0,037 | 103,618 |
| bMetrafenoneHB1   | Metrafenone Hyp.Basse(µg/j)     | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bMetrafenoneHM1   | Metrafenone Hyp.Moyenne(µg/j)   | 15226 | 0,579  | 0,747  | 0,000 | 7,028   |
| bMetrafenoneHH1   | Metrafenone Hyp.Haute(µg/j)     | 15226 | 1,157  | 1,494  | 0,000 | 14,056  |
| bMetribuzineHB1   | Metribuzine Hyp.Basse(µg/j)     | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bMetribuzineHM1   | Metribuzine Hyp.Moyenne(µg/j)   | 15226 | 2,454  | 2,520  | 0,000 | 43,007  |
| bMetribuzineHH1   | Metribuzine Hyp.Haute(µg/j)     | 15226 | 4,908  | 5,039  | 0,000 | 86,014  |
| bMevinphosHB1     | Mevinphos Hyp.Basse(µg/j)       | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bMevinphosHM1     | Mevinphos Hyp.Moyenne(µg/j)     | 15226 | 15,875 | 8,347  | 1,099 | 116,488 |
| bMevinphosHH1     | Mevinphos Hyp.Haute(µg/j)       | 15226 | 31,751 | 16,695 | 2,197 | 232,976 |
| bMirexHB1         | Mirex Hyp.Basse(µg/j)           | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bMirexHM1         | Mirex Hyp.Moyenne(µg/j)         | 15226 | 2,140  | 2,120  | 0,055 | 47,550  |
| bMirexHH1         | Mirex Hyp.Haute(µg/j)           | 15226 | 4,280  | 4,240  | 0,110 | 95,101  |
| bMonalidHB1       | Monalid Hyp.Basse(µg/j)         | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bMonalidHM1       | Monalid Hyp.Moyenne(µg/j)       | 15226 | 1,297  | 1,583  | 0,000 | 33,780  |
| bMonalidHH1       | Monalid Hyp.Haute(µg/j)         | 15226 | 2,593  | 3,166  | 0,000 | 67,559  |

|                               |   |       |        |        |       |         |
|-------------------------------|---|-------|--------|--------|-------|---------|
| bMonocrotophosHB1             | Monocrotophos Hyp.Basse(µg/j)               | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bMonocrotophosHM1             | Monocrotophos Hyp.Moyenne(µg/j)             | 15226 | 29,158 | 15,847 | 1,775 | 220,474 |
| bMonocrotophosHH1             | Monocrotophos Hyp.Haute(µg/j)               | 15226 | 58,316 | 31,693 | 3,551 | 440,948 |
| bMyclobutanilHB1              | Myclobutanil Hyp.Basse(µg/j)                | 15226 | 0,204  | 0,436  | 0,000 | 3,400   |
| bMyclobutanilHM1              | Myclobutanil Hyp.Moyenne(µg/j)              | 15226 | 8,972  | 4,722  | 0,632 | 77,449  |
| bMyclobutanilHH1              | Myclobutanil Hyp.Haute(µg/j)                | 15226 | 17,739 | 9,287  | 1,225 | 151,498 |
| bNaledHB1                     | Naled Hyp.Basse(µg/j)                       | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bNaledHM1                     | Naled Hyp.Moyenne(µg/j)                     | 15226 | 1,297  | 1,583  | 0,000 | 33,780  |
| bNaledHH1                     | Naled Hyp.Haute(µg/j)                       | 15226 | 2,593  | 3,166  | 0,000 | 67,559  |
| bNitrofenHB1                  | Nitrofen Hyp.Basse(µg/j)                    | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bNitrofenHM1                  | Nitrofen Hyp.Moyenne(µg/j)                  | 15226 | 1,437  | 1,340  | 0,030 | 16,539  |
| bNitrofenHH1                  | Nitrofen Hyp.Haute(µg/j)                    | 15226 | 2,874  | 2,680  | 0,060 | 33,078  |
| bNitrothal_isopropylHB1       | Nitrothal_isopropyl Hyp.Basse(µg/j)         | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bNitrothal_isopropylHM1       | Nitrothal_isopropyl Hyp.Moyenne(µg/j)       | 15226 | 1,297  | 1,583  | 0,000 | 33,780  |
| bNitrothal_isopropylHH1       | Nitrothal_isopropyl Hyp.Haute(µg/j)         | 15226 | 2,593  | 3,166  | 0,000 | 67,559  |
| bNuairimolHB1                 | Nuairimol Hyp.Basse(µg/j)                   | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bNuairimolHM1                 | Nuairimol Hyp.Moyenne(µg/j)                 | 15226 | 1,297  | 1,583  | 0,000 | 33,780  |
| bNuairimolHH1                 | Nuairimol Hyp.Haute(µg/j)                   | 15226 | 2,593  | 3,166  | 0,000 | 67,559  |
| bOfuraceHB1                   | Ofurace Hyp.Basse(µg/j)                     | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bOfuraceHM1                   | Ofurace Hyp.Moyenne(µg/j)                   | 15226 | 0,472  | 0,302  | 0,007 | 6,133   |
| bOfuraceHH1                   | Ofurace Hyp.Haute(µg/j)                     | 15226 | 0,944  | 0,604  | 0,014 | 12,267  |
| bOxadixylHB1                  | Oxadixyl Hyp.Basse(µg/j)                    | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bOxadixylHM1                  | Oxadixyl Hyp.Moyenne(µg/j)                  | 15226 | 16,893 | 8,983  | 1,140 | 148,983 |
| bOxadixylHH1                  | Oxadixyl Hyp.Haute(µg/j)                    | 15226 | 33,786 | 17,967 | 2,281 | 297,967 |
| bOxamylHB1                    | Oxamyl Hyp.Basse(µg/j)                      | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bOxamylHM1                    | Oxamyl Hyp.Moyenne(µg/j)                    | 15226 | 1,925  | 1,817  | 0,107 | 40,509  |
| bOxamylHH1                    | Oxamyl Hyp.Haute(µg/j)                      | 15226 | 3,850  | 3,634  | 0,214 | 81,018  |
| bOxydemeton_methylHB1         | Oxydemeton_methyl Hyp.Basse(µg/j)           | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bOxydemeton_methylHM1         | Oxydemeton_methyl Hyp.Moyenne(µg/j)         | 15226 | 2,057  | 1,614  | 0,099 | 63,041  |
| bOxydemeton_methylHH1         | Oxydemeton_methyl Hyp.Haute(µg/j)           | 15226 | 4,114  | 3,227  | 0,199 | 126,082 |
| bParaquatHB1                  | Paraquat Hyp.Basse(µg/j)                    | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bParaquatHM1                  | Paraquat Hyp.Moyenne(µg/j)                  | 15226 | 0,198  | 0,183  | 0,000 | 2,367   |
| bParaquatHH1                  | Paraquat Hyp.Haute(µg/j)                    | 15226 | 0,396  | 0,366  | 0,000 | 4,733   |
| bParathionHB1                 | Parathion Hyp.Basse(µg/j)                   | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bParathionHM1                 | Parathion Hyp.Moyenne(µg/j)                 | 15226 | 22,588 | 11,291 | 2,128 | 216,013 |
| bParathionHH1                 | Parathion Hyp.Haute(µg/j)                   | 15226 | 45,176 | 22,582 | 4,256 | 432,026 |
| bParathion_methylHB1          | Parathion_methyl Hyp.Basse(µg/j)            | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bParathion_methylHM1          | Parathion_methyl Hyp.Moyenne(µg/j)          | 15226 | 20,648 | 10,263 | 1,974 | 178,246 |
| bParathion_methylHH1          | Parathion_methyl Hyp.Haute(µg/j)            | 15226 | 41,297 | 20,526 | 3,949 | 356,491 |
| bPenconazoleHB1               | Penconazole Hyp.Basse(µg/j)                 | 15226 | 0,079  | 0,161  | 0,000 | 1,360   |
| bPenconazoleHM1               | Penconazole Hyp.Moyenne(µg/j)               | 15226 | 17,394 | 9,093  | 1,020 | 139,600 |
| bPenconazoleHH1               | Penconazole Hyp.Haute(µg/j)                 | 15226 | 34,709 | 18,133 | 2,030 | 277,839 |
| bPencycuronHB1                | Pencycuron Hyp.Basse(µg/j)                  | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bPencycuronHM1                | Pencycuron Hyp.Moyenne(µg/j)                | 15226 | 3,360  | 2,916  | 0,144 | 47,829  |
| bPencycuronHH1                | Pencycuron Hyp.Haute(µg/j)                  | 15226 | 6,721  | 5,831  | 0,288 | 95,659  |
| bPendimethalinHB1             | Pendimethalin Hyp.Basse(µg/j)               | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bPendimethalinHM1             | Pendimethalin Hyp.Moyenne(µg/j)             | 15226 | 3,206  | 2,519  | 0,084 | 48,081  |
| bPendimethalinHH1             | Pendimethalin Hyp.Haute(µg/j)               | 15226 | 6,412  | 5,038  | 0,169 | 96,161  |
| bPentachlorophenol_acetateHB1 | Pentachlorophenol_acetate Hyp.Basse(µg/j)   | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bPentachlorophenol_acetateHM1 | Pentachlorophenol_acetate Hyp.Moyenne(µg/j) | 15226 | 1,297  | 1,583  | 0,000 | 33,780  |
| bPentachlorophenol_acetateHH1 | Pentachlorophenol_acetate Hyp.Haute(µg/j)   | 15226 | 2,593  | 3,166  | 0,000 | 67,559  |
| bPermethrinHB1                | Permethrin Hyp.Basse(µg/j)                  | 15226 | 0,004  | 0,006  | 0,000 | 0,125   |
| bPermethrinHM1                | Permethrin Hyp.Moyenne(µg/j)                | 15226 | 30,366 | 16,495 | 2,216 | 238,438 |

|                        |                                      |       |        |        |       |          |
|------------------------|--------------------------------------|-------|--------|--------|-------|----------|
| bPermethrinHH1         | Permethrin Hyp.Haute(µg/j)           | 15226 | 60,729 | 32,989 | 4,432 | 476,809  |
| bPhenylphenolHB1       | Phenylphenol Hyp.Basse(µg/j)         | 15226 | 3,841  | 4,073  | 0,000 | 59,207   |
| bPhenylphenolHM1       | Phenylphenol Hyp.Moyenne(µg/j)       | 15226 | 33,726 | 30,114 | 2,458 | 1268,760 |
| bPhenylphenolHH1       | Phenylphenol Hyp.Haute(µg/j)         | 15226 | 63,611 | 58,672 | 4,719 | 2511,930 |
| bPhorateHB1            | Phorate Hyp.Basse(µg/j)              | 15226 | 0,000  | 0,000  | 0,000 | 0,000    |
| bPhorateHM1            | Phorate Hyp.Moyenne(µg/j)            | 15226 | 47,720 | 23,933 | 3,714 | 358,536  |
| bPhorateHH1            | Phorate Hyp.Haute(µg/j)              | 15226 | 95,441 | 47,866 | 7,427 | 717,072  |
| bPhosaloneHB1          | Phosalone Hyp.Basse(µg/j)            | 15226 | 0,181  | 0,284  | 0,000 | 1,322    |
| bPhosaloneHM1          | Phosalone Hyp.Moyenne(µg/j)          | 15226 | 17,175 | 8,974  | 1,405 | 144,581  |
| bPhosaloneHH1          | Phosalone Hyp.Haute(µg/j)            | 15226 | 34,168 | 17,875 | 2,809 | 287,869  |
| bPhosmetHB1            | Phosmet Hyp.Basse(µg/j)              | 15226 | 0,284  | 0,414  | 0,000 | 2,394    |
| bPhosmetHM1            | Phosmet Hyp.Moyenne(µg/j)            | 15226 | 16,800 | 8,650  | 1,554 | 121,682  |
| bPhosmetHH1            | Phosmet Hyp.Haute(µg/j)              | 15226 | 33,316 | 17,182 | 3,087 | 240,971  |
| bPhosmet_oxonHB1       | Phosmet_oxon Hyp.Basse(µg/j)         | 15226 | 0,000  | 0,000  | 0,000 | 0,000    |
| bPhosmet_oxonHM1       | Phosmet_oxon Hyp.Moyenne(µg/j)       | 15226 | 9,441  | 6,041  | 0,140 | 122,668  |
| bPhosmet_oxonHH1       | Phosmet_oxon Hyp.Haute(µg/j)         | 15226 | 18,881 | 12,083 | 0,280 | 245,335  |
| bPhosphamidonHB1       | Phosphamidon Hyp.Basse(µg/j)         | 15226 | 0,000  | 0,000  | 0,000 | 0,000    |
| bPhosphamidonHM1       | Phosphamidon Hyp.Moyenne(µg/j)       | 15226 | 16,477 | 8,579  | 0,998 | 114,334  |
| bPhosphamidonHH1       | Phosphamidon Hyp.Haute(µg/j)         | 15226 | 32,954 | 17,157 | 1,997 | 228,668  |
| bPhoximHB1             | Phoxim Hyp.Basse(µg/j)               | 15226 | 0,000  | 0,000  | 0,000 | 0,000    |
| bPhoximHM1             | Phoxim Hyp.Moyenne(µg/j)             | 15226 | 2,454  | 2,520  | 0,000 | 43,007   |
| bPhoximHH1             | Phoxim Hyp.Haute(µg/j)               | 15226 | 4,908  | 5,039  | 0,000 | 86,014   |
| bPicoxystrobinHB1      | Picoxystrobin Hyp.Basse(µg/j)        | 15226 | 0,000  | 0,000  | 0,000 | 0,000    |
| bPicoxystrobinHM1      | Picoxystrobin Hyp.Moyenne(µg/j)      | 15226 | 2,874  | 2,680  | 0,060 | 33,078   |
| bPicoxystrobinHH1      | Picoxystrobin Hyp.Haute(µg/j)        | 15226 | 5,747  | 5,359  | 0,120 | 66,156   |
| bPiperonyl_butoxideHB1 | Piperonyl_butoxide Hyp.Basse(µg/j)   | 15226 | 13,449 | 12,065 | 0,280 | 380,699  |
| bPiperonyl_butoxideHM1 | Piperonyl_butoxide Hyp.Moyenne(µg/j) | 15226 | 22,316 | 14,835 | 1,227 | 461,267  |
| bPiperonyl_butoxideHH1 | Piperonyl_butoxide Hyp.Haute(µg/j)   | 15226 | 31,184 | 18,459 | 1,795 | 541,834  |
| bPirimiphos_ethylHB1   | Pirimiphos_ethyl Hyp.Basse(µg/j)     | 15226 | 0,000  | 0,000  | 0,000 | 0,000    |
| bPirimiphos_ethylHM1   | Pirimiphos_ethyl Hyp.Moyenne(µg/j)   | 15226 | 8,120  | 4,400  | 0,421 | 67,900   |
| bPirimiphos_ethylHH1   | Pirimiphos_ethyl Hyp.Haute(µg/j)     | 15226 | 16,239 | 8,799  | 0,842 | 135,801  |
| bPirimiphos_methylHB1  | Pirimiphos_methyl Hyp.Basse(µg/j)    | 15226 | 5,728  | 3,824  | 0,112 | 94,518   |
| bPirimiphos_methylHM1  | Pirimiphos_methyl Hyp.Moyenne(µg/j)  | 15226 | 15,828 | 7,725  | 1,200 | 183,681  |
| bPirimiphos_methylHH1  | Pirimiphos_methyl Hyp.Haute(µg/j)    | 15226 | 25,928 | 12,555 | 2,221 | 272,844  |
| bProchlorazHB1         | Prochloraz Hyp.Basse(µg/j)           | 15226 | 0,000  | 0,000  | 0,000 | 0,000    |
| bProchlorazHM1         | Prochloraz Hyp.Moyenne(µg/j)         | 15226 | 28,127 | 15,539 | 1,587 | 220,124  |
| bProchlorazHH1         | Prochloraz Hyp.Haute(µg/j)           | 15226 | 56,254 | 31,079 | 3,173 | 440,249  |
| bProcymidoneHB1        | Procymidone Hyp.Basse(µg/j)          | 15226 | 1,705  | 2,032  | 0,000 | 23,529   |
| bProcymidoneHM1        | Procymidone Hyp.Moyenne(µg/j)        | 15226 | 11,321 | 6,392  | 1,128 | 170,768  |
| bProcymidoneHH1        | Procymidone Hyp.Haute(µg/j)          | 15226 | 20,936 | 11,706 | 2,148 | 324,679  |
| bProfenofosHB1         | Profenofos Hyp.Basse(µg/j)           | 15226 | 0,000  | 0,000  | 0,000 | 0,000    |
| bProfenofosHM1         | Profenofos Hyp.Moyenne(µg/j)         | 15226 | 14,388 | 7,910  | 0,846 | 111,854  |
| bProfenofosHH1         | Profenofos Hyp.Haute(µg/j)           | 15226 | 28,775 | 15,820 | 1,692 | 223,708  |
| bPromecarbHB1          | Promecarb Hyp.Basse(µg/j)            | 15226 | 0,000  | 0,000  | 0,000 | 0,000    |
| bPromecarbHM1          | Promecarb Hyp.Moyenne(µg/j)          | 15226 | 1,297  | 1,583  | 0,000 | 33,780   |
| bPromecarbHH1          | Promecarb Hyp.Haute(µg/j)            | 15226 | 2,593  | 3,166  | 0,000 | 67,559   |
| bPrometrynHB1          | Prometryn Hyp.Basse(µg/j)            | 15226 | 0,000  | 0,000  | 0,000 | 0,000    |
| bPrometrynHM1          | Prometryn Hyp.Moyenne(µg/j)          | 15226 | 3,452  | 2,901  | 0,097 | 40,106   |
| bPrometrynHH1          | Prometryn Hyp.Haute(µg/j)            | 15226 | 6,905  | 5,801  | 0,195 | 80,213   |
| bPropachlorHB1         | Propachlor Hyp.Basse(µg/j)           | 15226 | 0,000  | 0,000  | 0,000 | 0,000    |
| bPropachlorHM1         | Propachlor Hyp.Moyenne(µg/j)         | 15226 | 1,297  | 1,583  | 0,000 | 33,780   |
| bPropachlorHH1         | Propachlor Hyp.Haute(µg/j)           | 15226 | 2,593  | 3,166  | 0,000 | 67,559   |
| bPropamocarbHB1        | Propamocarb Hyp.Basse(µg/j)          | 15226 | 0,000  | 0,000  | 0,000 | 0,000    |
| bPropamocarbHM1        | Propamocarb Hyp.Moyenne(µg/j)        | 15226 | 1,297  | 1,583  | 0,000 | 33,780   |

|                     |   |       |        |        |       |         |
|---------------------|---|-------|--------|--------|-------|---------|
| bPropamocarbHH1     | Propamocarb Hyp.Haute( $\mu\text{g}/\text{j}$ )       | 15226 | 2,593  | 3,166  | 0,000 | 67,559  |
| bPropargiteHB1      | Propargite Hyp.Basse( $\mu\text{g}/\text{j}$ )        | 15226 | 9,252  | 13,185 | 0,000 | 69,609  |
| bPropargiteHM1      | Propargite Hyp.Moyenne( $\mu\text{g}/\text{j}$ )      | 15226 | 39,347 | 22,729 | 2,133 | 298,225 |
| bPropargiteHH1      | Propargite Hyp.Haute( $\mu\text{g}/\text{j}$ )        | 15226 | 69,442 | 37,377 | 4,266 | 526,840 |
| bPropetamphosHB1    | Propetamphos Hyp.Basse( $\mu\text{g}/\text{j}$ )      | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bPropetamphosHM1    | Propetamphos Hyp.Moyenne( $\mu\text{g}/\text{j}$ )    | 15226 | 1,297  | 1,583  | 0,000 | 33,780  |
| bPropetamphosHH1    | Propetamphos Hyp.Haute( $\mu\text{g}/\text{j}$ )      | 15226 | 2,593  | 3,166  | 0,000 | 67,559  |
| bProphamHB1         | Propham Hyp.Basse( $\mu\text{g}/\text{j}$ )           | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bProphamHM1         | Propham Hyp.Moyenne( $\mu\text{g}/\text{j}$ )         | 15226 | 10,489 | 6,065  | 0,868 | 168,926 |
| bProphamHH1         | Propham Hyp.Haute( $\mu\text{g}/\text{j}$ )           | 15226 | 20,978 | 12,130 | 1,735 | 337,852 |
| bPropiconazoleHB1   | Propiconazole Hyp.Basse( $\mu\text{g}/\text{j}$ )     | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bPropiconazoleHM1   | Propiconazole Hyp.Moyenne( $\mu\text{g}/\text{j}$ )   | 15226 | 16,385 | 8,713  | 1,230 | 134,439 |
| bPropiconazoleHH1   | Propiconazole Hyp.Haute( $\mu\text{g}/\text{j}$ )     | 15226 | 32,771 | 17,427 | 2,460 | 268,879 |
| bPropoxurHB1        | Propoxur Hyp.Basse( $\mu\text{g}/\text{j}$ )          | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bPropoxurHM1        | Propoxur Hyp.Moyenne( $\mu\text{g}/\text{j}$ )        | 15226 | 27,567 | 15,710 | 0,828 | 225,514 |
| bPropoxurHH1        | Propoxur Hyp.Haute( $\mu\text{g}/\text{j}$ )          | 15226 | 55,134 | 31,419 | 1,656 | 451,027 |
| bPropyzamidHB1      | Propyzamid Hyp.Basse( $\mu\text{g}/\text{j}$ )        | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bPropyzamidHM1      | Propyzamid Hyp.Moyenne( $\mu\text{g}/\text{j}$ )      | 15226 | 9,664  | 5,048  | 0,614 | 83,535  |
| bPropyzamidHH1      | Propyzamid Hyp.Haute( $\mu\text{g}/\text{j}$ )        | 15226 | 19,328 | 10,095 | 1,227 | 167,071 |
| bProthiofosHB1      | Prothiofos Hyp.Basse( $\mu\text{g}/\text{j}$ )        | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bProthiofosHM1      | Prothiofos Hyp.Moyenne( $\mu\text{g}/\text{j}$ )      | 15226 | 1,875  | 1,967  | 0,000 | 37,587  |
| bProthiofosHH1      | Prothiofos Hyp.Haute( $\mu\text{g}/\text{j}$ )        | 15226 | 3,750  | 3,934  | 0,000 | 75,175  |
| bPymetrozineHB1     | Pymetrozine Hyp.Basse( $\mu\text{g}/\text{j}$ )       | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bPymetrozineHM1     | Pymetrozine Hyp.Moyenne( $\mu\text{g}/\text{j}$ )     | 15226 | 3,845  | 3,830  | 0,137 | 143,578 |
| bPymetrozineHH1     | Pymetrozine Hyp.Haute( $\mu\text{g}/\text{j}$ )       | 15226 | 7,690  | 7,660  | 0,275 | 287,157 |
| bPyraclostrobinHB1  | Pyraclostrobin Hyp.Basse( $\mu\text{g}/\text{j}$ )    | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bPyraclostrobinHM1  | Pyraclostrobin Hyp.Moyenne( $\mu\text{g}/\text{j}$ )  | 15226 | 1,437  | 1,340  | 0,030 | 16,539  |
| bPyraclostrobinHH1  | Pyraclostrobin Hyp.Haute( $\mu\text{g}/\text{j}$ )    | 15226 | 2,874  | 2,680  | 0,060 | 33,078  |
| bPyrazophosHB1      | Pyrazophos Hyp.Basse( $\mu\text{g}/\text{j}$ )        | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bPyrazophosHM1      | Pyrazophos Hyp.Moyenne( $\mu\text{g}/\text{j}$ )      | 15226 | 5,936  | 4,525  | 0,255 | 108,156 |
| bPyrazophosHH1      | Pyrazophos Hyp.Haute( $\mu\text{g}/\text{j}$ )        | 15226 | 11,872 | 9,049  | 0,510 | 216,312 |
| bPyrethrinsHB1      | Pyrethrins Hyp.Basse( $\mu\text{g}/\text{j}$ )        | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bPyrethrinsHM1      | Pyrethrins Hyp.Moyenne( $\mu\text{g}/\text{j}$ )      | 15226 | 1,437  | 1,340  | 0,030 | 16,539  |
| bPyrethrinsHH1      | Pyrethrins Hyp.Haute( $\mu\text{g}/\text{j}$ )        | 15226 | 2,874  | 2,680  | 0,060 | 33,078  |
| bPyridabenHB1       | Pyridaben Hyp.Basse( $\mu\text{g}/\text{j}$ )         | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bPyridabenHM1       | Pyridaben Hyp.Moyenne( $\mu\text{g}/\text{j}$ )       | 15226 | 16,584 | 8,691  | 0,721 | 117,254 |
| bPyridabenHH1       | Pyridaben Hyp.Haute( $\mu\text{g}/\text{j}$ )         | 15226 | 33,167 | 17,381 | 1,442 | 234,507 |
| bPyridaphenthionHB1 | Pyridaphenthion Hyp.Basse( $\mu\text{g}/\text{j}$ )   | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bPyridaphenthionHM1 | Pyridaphenthion Hyp.Moyenne( $\mu\text{g}/\text{j}$ ) | 15226 | 5,125  | 3,925  | 0,140 | 69,801  |
| bPyridaphenthionHH1 | Pyridaphenthion Hyp.Haute( $\mu\text{g}/\text{j}$ )   | 15226 | 10,251 | 7,850  | 0,279 | 139,602 |
| bPyridateHB1        | Pyridate Hyp.Basse( $\mu\text{g}/\text{j}$ )          | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bPyridateHM1        | Pyridate Hyp.Moyenne( $\mu\text{g}/\text{j}$ )        | 15226 | 1,297  | 1,583  | 0,000 | 33,780  |
| bPyridateHH1        | Pyridate Hyp.Haute( $\mu\text{g}/\text{j}$ )          | 15226 | 2,593  | 3,166  | 0,000 | 67,559  |
| bPyrimethanilHB1    | Pyrimethanil Hyp.Basse( $\mu\text{g}/\text{j}$ )      | 15226 | 1,796  | 2,513  | 0,000 | 23,001  |
| bPyrimethanilHM1    | Pyrimethanil Hyp.Moyenne( $\mu\text{g}/\text{j}$ )    | 15226 | 10,426 | 5,827  | 0,868 | 92,333  |
| bPyrimethanilHH1    | Pyrimethanil Hyp.Haute( $\mu\text{g}/\text{j}$ )      | 15226 | 19,057 | 10,126 | 1,536 | 164,297 |
| bPyrimicarbHB1      | Pyrimicarb Hyp.Basse( $\mu\text{g}/\text{j}$ )        | 15226 | 0,028  | 0,044  | 0,000 | 0,202   |
| bPyrimicarbHM1      | Pyrimicarb Hyp.Moyenne( $\mu\text{g}/\text{j}$ )      | 15226 | 8,725  | 4,556  | 0,551 | 72,643  |
| bPyrimicarbHH1      | Pyrimicarb Hyp.Haute( $\mu\text{g}/\text{j}$ )        | 15226 | 17,421 | 9,102  | 1,103 | 145,086 |
| bPyriproxyfenHB1    | Pyriproxyfen Hyp.Basse( $\mu\text{g}/\text{j}$ )      | 15226 | 0,033  | 0,047  | 0,000 | 0,404   |
| bPyriproxyfenHM1    | Pyriproxyfen Hyp.Moyenne( $\mu\text{g}/\text{j}$ )    | 15226 | 16,071 | 8,519  | 0,917 | 115,907 |
| bPyriproxyfenHH1    | Pyriproxyfen Hyp.Haute( $\mu\text{g}/\text{j}$ )      | 15226 | 32,109 | 17,031 | 1,834 | 231,811 |
| bQuinalphosHB1      | Quinalphos Hyp.Basse( $\mu\text{g}/\text{j}$ )        | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bQuinalphosHM1      | Quinalphos Hyp.Moyenne( $\mu\text{g}/\text{j}$ )      | 15226 | 18,857 | 9,711  | 1,852 | 191,365 |



|                       |                                     |       |        |        |       |          |
|-----------------------|-------------------------------------|-------|--------|--------|-------|----------|
| bQuinalphosHH1        | Quinalphos Hyp.Haute(µg/j)          | 15226 | 37,713 | 19,422 | 3,704 | 382,729  |
| bQuinoxifenHB1        | Quinoxifen Hyp.Basse(µg/j)          | 15226 | 0,079  | 0,210  | 0,000 | 1,307    |
| bQuinoxifenHM1        | Quinoxifen Hyp.Moyenne(µg/j)        | 15226 | 18,070 | 9,310  | 0,988 | 131,928  |
| bQuinoxifenHH1        | Quinoxifen Hyp.Haute(µg/j)          | 15226 | 36,061 | 18,565 | 1,957 | 262,549  |
| bQuintozeneHB1        | Quintozene Hyp.Basse(µg/j)          | 15226 | 0,000  | 0,000  | 0,000 | 0,000    |
| bQuintozeneHM1        | Quintozene Hyp.Moyenne(µg/j)        | 15226 | 17,051 | 8,894  | 1,210 | 134,768  |
| bQuintozeneHH1        | Quintozene Hyp.Haute(µg/j)          | 15226 | 34,101 | 17,788 | 2,420 | 269,535  |
| bRotenonHB1           | Rotenon Hyp.Basse(µg/j)             | 15226 | 0,000  | 0,000  | 0,000 | 0,000    |
| bRotenonHM1           | Rotenon Hyp.Moyenne(µg/j)           | 15226 | 0,409  | 0,270  | 0,005 | 5,249    |
| bRotenonHH1           | Rotenon Hyp.Haute(µg/j)             | 15226 | 0,818  | 0,540  | 0,009 | 10,498   |
| bSimazineHB1          | Simazine Hyp.Basse(µg/j)            | 15226 | 0,000  | 0,000  | 0,000 | 0,000    |
| bSimazineHM1          | Simazine Hyp.Moyenne(µg/j)          | 15226 | 2,454  | 2,520  | 0,000 | 43,007   |
| bSimazineHH1          | Simazine Hyp.Haute(µg/j)            | 15226 | 4,908  | 5,039  | 0,000 | 86,014   |
| bSpiroxamineHB1       | Spiroxamine Hyp.Basse(µg/j)         | 15226 | 0,011  | 0,030  | 0,000 | 0,187    |
| bSpiroxamineHM1       | Spiroxamine Hyp.Moyenne(µg/j)       | 15226 | 15,430 | 8,483  | 0,635 | 118,613  |
| bSpiroxamineHH1       | Spiroxamine Hyp.Haute(µg/j)         | 15226 | 30,848 | 16,957 | 1,270 | 237,040  |
| bSulfotepHB1          | Sulfotep Hyp.Basse(µg/j)            | 15226 | 0,000  | 0,000  | 0,000 | 0,000    |
| bSulfotepHM1          | Sulfotep Hyp.Moyenne(µg/j)          | 15226 | 6,445  | 4,137  | 0,181 | 79,730   |
| bSulfotepHH1          | Sulfotep Hyp.Haute(µg/j)            | 15226 | 12,889 | 8,275  | 0,361 | 159,461  |
| bSulfurHB1            | Sulfur Hyp.Basse(µg/j)              | 15226 | 5,476  | 7,827  | 0,000 | 83,577   |
| bSulfurHM1            | Sulfur Hyp.Moyenne(µg/j)            | 15226 | 16,516 | 19,732 | 0,000 | 338,064  |
| bSulfurHH1            | Sulfur Hyp.Haute(µg/j)              | 15226 | 27,557 | 33,279 | 0,000 | 638,347  |
| bTau_FluvalinateHB1   | Tau_Fluvalinate Hyp.Basse(µg/j)     | 15226 | 0,000  | 0,000  | 0,000 | 0,000    |
| bTau_FluvalinateHM1   | Tau_Fluvalinate Hyp.Moyenne(µg/j)   | 15226 | 16,291 | 8,607  | 1,071 | 127,069  |
| bTau_FluvalinateHH1   | Tau_Fluvalinate Hyp.Haute(µg/j)     | 15226 | 32,581 | 17,214 | 2,143 | 254,138  |
| bTebuconazoleHB1      | Tebuconazole Hyp.Basse(µg/j)        | 15226 | 0,063  | 0,123  | 0,000 | 0,645    |
| bTebuconazoleHM1      | Tebuconazole Hyp.Moyenne(µg/j)      | 15226 | 17,057 | 8,971  | 1,331 | 137,898  |
| bTebuconazoleHH1      | Tebuconazole Hyp.Haute(µg/j)        | 15226 | 34,052 | 17,916 | 2,662 | 275,224  |
| bTebufenozidHB1       | Tebufenozid Hyp.Basse(µg/j)         | 15226 | 0,005  | 0,008  | 0,000 | 0,037    |
| bTebufenozidHM1       | Tebufenozid Hyp.Moyenne(µg/j)       | 15226 | 4,280  | 2,975  | 0,242 | 70,041   |
| bTebufenozidHH1       | Tebufenozid Hyp.Haute(µg/j)         | 15226 | 8,555  | 5,947  | 0,483 | 140,046  |
| bTebufenpyradHB1      | Tebufenpyrad Hyp.Basse(µg/j)        | 15226 | 0,003  | 0,008  | 0,000 | 0,047    |
| bTebufenpyradHM1      | Tebufenpyrad Hyp.Moyenne(µg/j)      | 15226 | 4,108  | 3,319  | 0,092 | 61,722   |
| bTebufenpyradHH1      | Tebufenpyrad Hyp.Haute(µg/j)        | 15226 | 8,213  | 6,635  | 0,183 | 123,398  |
| bTecnazeneHB1         | Tecnazene Hyp.Basse(µg/j)           | 15226 | 0,000  | 0,000  | 0,000 | 0,000    |
| bTecnazeneHM1         | Tecnazene Hyp.Moyenne(µg/j)         | 15226 | 3,206  | 2,519  | 0,084 | 48,081   |
| bTecnazeneHH1         | Tecnazene Hyp.Haute(µg/j)           | 15226 | 6,412  | 5,038  | 0,169 | 96,161   |
| bTeflubenzuronHB1     | Teflubenzuron Hyp.Basse(µg/j)       | 15226 | 0,098  | 0,204  | 0,000 | 1,361    |
| bTeflubenzuronHM1     | Teflubenzuron Hyp.Moyenne(µg/j)     | 15226 | 28,129 | 31,555 | 0,973 | 1310,540 |
| bTeflubenzuronHH1     | Teflubenzuron Hyp.Haute(µg/j)       | 15226 | 56,160 | 63,058 | 1,942 | 2619,720 |
| bTefluthrinHB1        | Tefluthrin Hyp.Basse(µg/j)          | 15226 | 0,000  | 0,000  | 0,000 | 0,000    |
| bTefluthrinHM1        | Tefluthrin Hyp.Moyenne(µg/j)        | 15226 | 4,547  | 3,517  | 0,136 | 62,773   |
| bTefluthrinHH1        | Tefluthrin Hyp.Haute(µg/j)          | 15226 | 9,093  | 7,033  | 0,273 | 125,546  |
| bTemefosHB1           | Temefos Hyp.Basse(µg/j)             | 15226 | 0,000  | 0,000  | 0,000 | 0,000    |
| bTemefosHM1           | Temefos Hyp.Moyenne(µg/j)           | 15226 | 1,297  | 1,583  | 0,000 | 33,780   |
| bTemefosHH1           | Temefos Hyp.Haute(µg/j)             | 15226 | 2,593  | 3,166  | 0,000 | 67,559   |
| bTerbufosHB1          | Terbufos Hyp.Basse(µg/j)            | 15226 | 0,000  | 0,000  | 0,000 | 0,000    |
| bTerbufosHM1          | Terbufos Hyp.Moyenne(µg/j)          | 15226 | 5,125  | 3,925  | 0,140 | 69,801   |
| bTerbufosHH1          | Terbufos Hyp.Haute(µg/j)            | 15226 | 10,251 | 7,850  | 0,279 | 139,602  |
| bTetrachlorvinphosHB1 | Tetrachlorvinphos Hyp.Basse(µg/j)   | 15226 | 0,000  | 0,000  | 0,000 | 0,000    |
| bTetrachlorvinphosHM1 | Tetrachlorvinphos Hyp.Moyenne(µg/j) | 15226 | 3,903  | 3,103  | 0,113 | 49,593   |
| bTetrachlorvinphosHH1 | Tetrachlorvinphos Hyp.Haute(µg/j)   | 15226 | 7,806  | 6,207  | 0,226 | 99,185   |
| bTetraconazoleHB1     | Tetraconazole Hyp.Basse(µg/j)       | 15226 | 0,007  | 0,019  | 0,000 | 0,117    |
| bTetraconazoleHM1     | Tetraconazole Hyp.Moyenne(µg/j)     | 15226 | 5,559  | 4,305  | 0,234 | 103,433  |

|                          |   |       |        |        |       |         |
|--------------------------|---|-------|--------|--------|-------|---------|
| bTetraconazoleHH1        | Tetraconazole Hyp.Haute( $\mu\text{g}/\text{j}$ )             | 15226 | 11,110 | 8,604  | 0,468 | 206,749 |
| bTetradifonHB1           | Tetradifon Hyp.Basse( $\mu\text{g}/\text{j}$ )                | 15226 | 0,024  | 0,036  | 0,000 | 0,268   |
| bTetradifonHM1           | Tetradifon Hyp.Moyenne( $\mu\text{g}/\text{j}$ )              | 15226 | 16,887 | 8,853  | 1,095 | 139,301 |
| bTetradifonHH1           | Tetradifon Hyp.Haute( $\mu\text{g}/\text{j}$ )                | 15226 | 33,749 | 17,698 | 2,190 | 278,421 |
| bTetrasulHB1             | Tetrasul Hyp.Basse( $\mu\text{g}/\text{j}$ )                  | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bTetrasulHM1             | Tetrasul Hyp.Moyenne( $\mu\text{g}/\text{j}$ )                | 15226 | 1,297  | 1,583  | 0,000 | 33,780  |
| bTetrasulHH1             | Tetrasul Hyp.Haute( $\mu\text{g}/\text{j}$ )                  | 15226 | 2,593  | 3,166  | 0,000 | 67,559  |
| bThiabendazoleHB1        | Thiabendazole Hyp.Basse( $\mu\text{g}/\text{j}$ )             | 15226 | 11,866 | 16,228 | 0,000 | 99,032  |
| bThiabendazoleHM1        | Thiabendazole Hyp.Moyenne( $\mu\text{g}/\text{j}$ )           | 15226 | 14,200 | 16,998 | 0,230 | 145,404 |
| bThiabendazoleHH1        | Thiabendazole Hyp.Haute( $\mu\text{g}/\text{j}$ )             | 15226 | 16,534 | 17,884 | 0,409 | 193,042 |
| bThiometonHB1            | Thiometon Hyp.Basse( $\mu\text{g}/\text{j}$ )                 | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bThiometonHM1            | Thiometon Hyp.Moyenne( $\mu\text{g}/\text{j}$ )               | 15226 | 9,139  | 4,907  | 0,432 | 74,994  |
| bThiometonHH1            | Thiometon Hyp.Haute( $\mu\text{g}/\text{j}$ )                 | 15226 | 18,278 | 9,814  | 0,863 | 149,988 |
| bToclofos_methylHB1      | Toclofos_methyl Hyp.Basse( $\mu\text{g}/\text{j}$ )           | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bToclofos_methylHM1      | Toclofos_methyl Hyp.Moyenne( $\mu\text{g}/\text{j}$ )         | 15226 | 8,432  | 4,430  | 0,554 | 66,955  |
| bToclofos_methylHH1      | Toclofos_methyl Hyp.Haute( $\mu\text{g}/\text{j}$ )           | 15226 | 16,863 | 8,861  | 1,108 | 133,910 |
| bTolyfluanideHB1         | Tolyfluanide Hyp.Basse( $\mu\text{g}/\text{j}$ )              | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bTolyfluanideHM1         | Tolyfluanide Hyp.Moyenne( $\mu\text{g}/\text{j}$ )            | 15226 | 16,423 | 8,915  | 1,372 | 176,384 |
| bTolyfluanideHH1         | Tolyfluanide Hyp.Haute( $\mu\text{g}/\text{j}$ )              | 15226 | 32,847 | 17,831 | 2,743 | 352,768 |
| bTralomethrinHB1         | Tralomethrin Hyp.Basse( $\mu\text{g}/\text{j}$ )              | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bTralomethrinHM1         | Tralomethrin Hyp.Moyenne( $\mu\text{g}/\text{j}$ )            | 15226 | 1,297  | 1,583  | 0,000 | 33,780  |
| bTralomethrinHH1         | Tralomethrin Hyp.Haute( $\mu\text{g}/\text{j}$ )              | 15226 | 2,593  | 3,166  | 0,000 | 67,559  |
| bTri_allateHB1           | Tri_allate Hyp.Basse( $\mu\text{g}/\text{j}$ )                | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bTri_allateHM1           | Tri_allate Hyp.Moyenne( $\mu\text{g}/\text{j}$ )              | 15226 | 0,297  | 0,193  | 0,005 | 3,997   |
| bTri_allateHH1           | Tri_allate Hyp.Haute( $\mu\text{g}/\text{j}$ )                | 15226 | 0,594  | 0,386  | 0,009 | 7,994   |
| bTriadimenolHB1          | Triadimenol Hyp.Basse( $\mu\text{g}/\text{j}$ )               | 15226 | 0,203  | 0,477  | 0,000 | 3,509   |
| bTriadimenolHM1          | Triadimenol Hyp.Moyenne( $\mu\text{g}/\text{j}$ )             | 15226 | 45,677 | 24,654 | 2,432 | 332,779 |
| bTriadimenolHH1          | Triadimenol Hyp.Haute( $\mu\text{g}/\text{j}$ )               | 15226 | 91,152 | 49,194 | 4,861 | 665,354 |
| bTriazophosHB1           | Triazophos Hyp.Basse( $\mu\text{g}/\text{j}$ )                | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bTriazophosHM1           | Triazophos Hyp.Moyenne( $\mu\text{g}/\text{j}$ )              | 15226 | 15,297 | 8,438  | 0,679 | 120,870 |
| bTriazophosHH1           | Triazophos Hyp.Haute( $\mu\text{g}/\text{j}$ )                | 15226 | 30,594 | 16,877 | 1,358 | 241,741 |
| bTribromoanisoleHB1      | Tribromoanisole Hyp.Basse( $\mu\text{g}/\text{j}$ )           | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bTribromoanisoleHM1      | Tribromoanisole Hyp.Moyenne( $\mu\text{g}/\text{j}$ )         | 15226 | 1,141  | 1,117  | 0,050 | 33,233  |
| bTribromoanisoleHH1      | Tribromoanisole Hyp.Haute( $\mu\text{g}/\text{j}$ )           | 15226 | 2,282  | 2,234  | 0,101 | 66,465  |
| bTribromophenol_2_4_6HB1 | Tribromophenol_2_4_6<br>Hyp.Basse( $\mu\text{g}/\text{j}$ )   | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bTribromophenol_2_4_6HM1 | Tribromophenol_2_4_6<br>Hyp.Moyenne( $\mu\text{g}/\text{j}$ ) | 15226 | 1,141  | 1,117  | 0,050 | 33,233  |
| bTribromophenol_2_4_6HH1 | Tribromophenol_2_4_6 Hyp.Haute( $\mu\text{g}/\text{j}$ )      | 15226 | 2,282  | 2,234  | 0,101 | 66,465  |
| bTrichlorfonHB1          | Trichlorfon Hyp.Basse( $\mu\text{g}/\text{j}$ )               | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bTrichlorfonHM1          | Trichlorfon Hyp.Moyenne( $\mu\text{g}/\text{j}$ )             | 15226 | 1,806  | 1,914  | 0,000 | 28,532  |
| bTrichlorfonHH1          | Trichlorfon Hyp.Haute( $\mu\text{g}/\text{j}$ )               | 15226 | 3,611  | 3,828  | 0,000 | 57,063  |
| bTrichloronatHB1         | Trichloronat Hyp.Basse( $\mu\text{g}/\text{j}$ )              | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bTrichloronatHM1         | Trichloronat Hyp.Moyenne( $\mu\text{g}/\text{j}$ )            | 15226 | 8,721  | 4,816  | 0,310 | 72,188  |
| bTrichloronatHH1         | Trichloronat Hyp.Haute( $\mu\text{g}/\text{j}$ )              | 15226 | 17,442 | 9,631  | 0,621 | 144,375 |
| bTrifloxystrobinHB1      | Trifloxystrobin Hyp.Basse( $\mu\text{g}/\text{j}$ )           | 15226 | 0,008  | 0,023  | 0,000 | 0,140   |
| bTrifloxystrobinHM1      | Trifloxystrobin Hyp.Moyenne( $\mu\text{g}/\text{j}$ )         | 15226 | 9,588  | 5,075  | 0,590 | 90,919  |
| bTrifloxystrobinHH1      | Trifloxystrobin Hyp.Haute( $\mu\text{g}/\text{j}$ )           | 15226 | 19,168 | 10,144 | 1,177 | 181,699 |
| bTriflumuronHB1          | Triflumuron Hyp.Basse( $\mu\text{g}/\text{j}$ )               | 15226 | 0,035  | 0,056  | 0,000 | 0,254   |
| bTriflumuronHM1          | Triflumuron Hyp.Moyenne( $\mu\text{g}/\text{j}$ )             | 15226 | 6,566  | 6,825  | 0,243 | 273,341 |
| bTriflumuronHH1          | Triflumuron Hyp.Haute( $\mu\text{g}/\text{j}$ )               | 15226 | 13,098 | 13,632 | 0,486 | 546,427 |
| bTrifluralinHB1          | Trifluralin Hyp.Basse( $\mu\text{g}/\text{j}$ )               | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bTrifluralinHM1          | Trifluralin Hyp.Moyenne( $\mu\text{g}/\text{j}$ )             | 15226 | 4,874  | 3,761  | 0,183 | 72,459  |
| bTrifluralinHH1          | Trifluralin Hyp.Haute( $\mu\text{g}/\text{j}$ )               | 15226 | 9,749  | 7,523  | 0,366 | 144,918 |
| bTriforineHB1            | Triforine Hyp.Basse( $\mu\text{g}/\text{j}$ )                 | 15226 | 0,000  | 0,000  | 0,000 | 0,000   |
| bTriforineHM1            | Triforine Hyp.Moyenne( $\mu\text{g}/\text{j}$ )               | 15226 | 0,579  | 0,747  | 0,000 | 7,028   |

|                        |                                      |       |            |             |       |              |
|------------------------|--------------------------------------|-------|------------|-------------|-------|--------------|
| bTriforineHH1          | Triforine Hyp.Haute(µg/j)            | 15226 | 1,157      | 1,494       | 0,000 | 14,056       |
| bTriticonazoleHB1      | Triticonazole Hyp.Basse(µg/j)        | 15226 | 0,000      | 0,000       | 0,000 | 0,000        |
| bTriticonazoleHM1      | Triticonazole Hyp.Moyenne(µg/j)      | 15226 | 4,547      | 3,517       | 0,136 | 62,773       |
| bTriticonazoleHH1      | Triticonazole Hyp.Haute(µg/j)        | 15226 | 9,093      | 7,033       | 0,273 | 125,546      |
| bVamidothionHB1        | Vamidothion Hyp.Basse(µg/j)          | 15226 | 0,000      | 0,000       | 0,000 | 0,000        |
| bVamidothionHM1        | Vamidothion Hyp.Moyenne(µg/j)        | 15226 | 0,579      | 0,747       | 0,000 | 7,028        |
| bVamidothionHH1        | Vamidothion Hyp.Haute(µg/j)          | 15226 | 1,157      | 1,494       | 0,000 | 14,056       |
| bVinclozolinHB1        | Vinclozolin Hyp.Basse(µg/j)          | 15226 | 0,308      | 0,503       | 0,000 | 10,200       |
| bVinclozolinHM1        | Vinclozolin Hyp.Moyenne(µg/j)        | 15226 | 16,071     | 8,130       | 1,510 | 176,901      |
| bVinclozolinHH1        | Vinclozolin Hyp.Haute(µg/j)          | 15226 | 31,834     | 16,029      | 3,020 | 345,837      |
| bcarbophenothionHB1    | carbophenothion Hyp.Basse(µg/j)      | 15226 | 0,000      | 0,000       | 0,000 | 0,000        |
| bcarbophenothionHM1    | carbophenothion Hyp.Moyenne(µg/j)    | 15226 | 8,721      | 4,816       | 0,310 | 72,188       |
| bcarbophenothionHH1    | carbophenothion Hyp.Haute(µg/j)      | 15226 | 17,442     | 9,631       | 0,621 | 144,375      |
| bdialiphosHB1          | dialiphos Hyp.Basse(µg/j)            | 15226 | 0,000      | 0,000       | 0,000 | 0,000        |
| bdialiphosHM1          | dialiphos Hyp.Moyenne(µg/j)          | 15226 | 1,297      | 1,583       | 0,000 | 33,780       |
| bdialiphosHH1          | dialiphos Hyp.Haute(µg/j)            | 15226 | 2,593      | 3,166       | 0,000 | 67,559       |
| bfuralaxylHB1          | furalaxyl Hyp.Basse(µg/j)            | 15226 | 0,000      | 0,000       | 0,000 | 0,000        |
| bfuralaxylHM1          | furalaxyl Hyp.Moyenne(µg/j)          | 15226 | 2,454      | 2,520       | 0,000 | 43,007       |
| bfuralaxylHH1          | furalaxyl Hyp.Haute(µg/j)            | 15226 | 4,908      | 5,039       | 0,000 | 86,014       |
| bpentachloroanisoleHB1 | pentachloroanisole Hyp.Basse(µg/j)   | 15226 | 0,000      | 0,000       | 0,000 | 0,000        |
| bpentachloroanisoleHM1 | pentachloroanisole Hyp.Moyenne(µg/j) | 15226 | 1,644      | 1,786       | 0,000 | 36,064       |
| bpentachloroanisoleHH1 | pentachloroanisole Hyp.Haute(µg/j)   | 15226 | 3,288      | 3,572       | 0,000 | 72,129       |
| bpentachlorophenolHB1  | pentachlorophenol Hyp.Basse(µg/j)    | 15226 | 0,000      | 0,000       | 0,000 | 0,000        |
| bpentachlorophenolHM1  | pentachlorophenol Hyp.Moyenne(µg/j)  | 15226 | 1,502      | 1,667       | 0,014 | 34,411       |
| bpentachlorophenolHH1  | pentachlorophenol Hyp.Haute(µg/j)    | 15226 | 3,004      | 3,335       | 0,028 | 68,822       |
| btetramethrinHB1       | tetramethrin Hyp.Basse(µg/j)         | 15226 | 0,000      | 0,000       | 0,000 | 0,000        |
| btetramethrinHM1       | tetramethrin Hyp.Moyenne(µg/j)       | 15226 | 1,297      | 1,583       | 0,000 | 33,780       |
| btetramethrinHH1       | tetramethrin Hyp.Haute(µg/j)         | 15226 | 2,593      | 3,166       | 0,000 | 67,559       |
| bBiochanine_AHB1       | Biochanine_A Hyp.Basse(ng/j)         | 15226 | 209,619    | 1474,590    | 0,000 | 40368,550    |
| bBiochanine_AHM1       | Biochanine_A Hyp.Moyenne(ng/j)       | 15226 | 209,619    | 1474,590    | 0,000 | 40368,550    |
| bBiochanine_AHH1       | Biochanine_A Hyp.Haute(ng/j)         | 15226 | 209,619    | 1474,590    | 0,000 | 40368,550    |
| bCoumestrolHB1         | Coumestrol Hyp.Basse(ng/j)           | 15226 | 1824,420   | 3327,780    | 0,000 | 69855,450    |
| bCoumestrolHM1         | Coumestrol Hyp.Moyenne(ng/j)         | 15226 | 1824,420   | 3327,780    | 0,000 | 69855,450    |
| bCoumestrolHH1         | Coumestrol Hyp.Haute(ng/j)           | 15226 | 1824,420   | 3327,780    | 0,000 | 69855,450    |
| bDaidzeineHB1          | Daidzeine Hyp.Basse(ng/j)            | 15226 | 151921,900 | 1255040,950 | 1,824 | 39271228,880 |
| bDaidzeineHM1          | Daidzeine Hyp.Moyenne(ng/j)          | 15226 | 151921,900 | 1255040,950 | 1,824 | 39271228,880 |
| bDaidzeineHH1          | Daidzeine Hyp.Haute(ng/j)            | 15226 | 151921,900 | 1255040,950 | 1,824 | 39271228,880 |
| bEnterolactoneHB1      | Enterolactone Hyp.Basse(ng/j)        | 15226 | 9445,610   | 9330,470    | 0,556 | 115022,510   |
| bEnterolactoneHM1      | Enterolactone Hyp.Moyenne(ng/j)      | 15226 | 9445,610   | 9330,470    | 0,556 | 115022,510   |
| bEnterolactoneHH1      | Enterolactone Hyp.Haute(ng/j)        | 15226 | 9445,610   | 9330,470    | 0,556 | 115022,510   |
| bEquolHB1              | Equol Hyp.Basse(ng/j)                | 15226 | 7605,790   | 7498,890    | 0,000 | 101691,310   |
| bEquolHM1              | Equol Hyp.Moyenne(ng/j)              | 15226 | 7605,790   | 7498,890    | 0,000 | 101691,310   |
| bEquolHH1              | Equol Hyp.Haute(ng/j)                | 15226 | 7605,790   | 7498,890    | 0,000 | 101691,310   |
| bFormononetineHB1      | Formononetine Hyp.Basse(ng/j)        | 15226 | 1382,020   | 7515,390    | 0,000 | 211260,000   |
| bFormononetineHM1      | Formononetine Hyp.Moyenne(ng/j)      | 15226 | 1382,020   | 7515,390    | 0,000 | 211260,000   |
| bFormononetineHH1      | Formononetine Hyp.Haute(ng/j)        | 15226 | 1382,020   | 7515,390    | 0,000 | 211260,000   |
| bGenisteineHB1         | Genisteine Hyp.Basse(ng/j)           | 15226 | 201665,300 | 1751618,310 | 0,000 | 55360656,650 |
| bGenisteineHM1         | Genisteine Hyp.Moyenne(ng/j)         | 15226 | 201665,300 | 1751618,310 | 0,000 | 55360656,650 |
| bGenisteineHH1         | Genisteine Hyp.Haute(ng/j)           | 15226 | 201665,300 | 1751618,310 | 0,000 | 55360656,650 |
| bGlyciteineHB1         | Glyciteine Hyp.Basse(ng/j)           | 15226 | 29412,990  | 285432,260  | 0,000 | 9779140,770  |
| bGlyciteineHM1         | Glyciteine Hyp.Moyenne(ng/j)         | 15226 | 29412,990  | 285432,260  | 0,000 | 9779140,770  |
| bGlyciteineHH1         | Glyciteine Hyp.Haute(ng/j)           | 15226 | 29412,990  | 285432,260  | 0,000 | 9779140,770  |
| bMatairesinolHB1       | Matairesinol Hyp.Basse(ng/j)         | 15226 | 1195,600   | 11144,270   | 0,000 | 365050,000   |
| bMatairesinolHM1       | Matairesinol Hyp.Moyenne(ng/j)       | 15226 | 1195,600   | 11144,270   | 0,000 | 365050,000   |

|                          |  |       |           |           |       |             |
|--------------------------|--|-------|-----------|-----------|-------|-------------|
| bMatairesinolHH1         | Matairesinol Hyp.Haute(ng/j)           | 15226 | 1195,600  | 11144,270 | 0,000 | 365050,000  |
| bResveratrolHB1          | Resveratrol Hyp.Basse(ng/j)            | 15226 | 31606,010 | 85638,920 | 0,000 | 2108024,990 |
| bResveratrolHM1          | Resveratrol Hyp.Moyenne(ng/j)          | 15226 | 31606,010 | 85638,920 | 0,000 | 2108024,990 |
| bResveratrolHH1          | Resveratrol Hyp.Haute(ng/j)            | 15226 | 31606,010 | 85638,920 | 0,000 | 2108024,990 |
| bSecoisolariciresinolHB1 | Secoisolariciresinol Hyp.Basse(ng/j)   | 15226 | 16677,300 | 36190,370 | 0,000 | 870053,550  |
| bSecoisolariciresinolHM1 | Secoisolariciresinol Hyp.Moyenne(ng/j) | 15226 | 16677,300 | 36190,370 | 0,000 | 870053,550  |
| bSecoisolariciresinolHH1 | Secoisolariciresinol Hyp.Haute(ng/j)   | 15226 | 16677,300 | 36190,370 | 0,000 | 870053,550  |
| bHB CDalphaHB1           | HB CDalpha Hyp.Basse(ng/j)             | 15226 | 13,083    | 16,458    | 0,128 | 594,586     |
| bHB CDalphaHM1           | HB CDalpha Hyp.Moyenne(ng/j)           | 15226 | 13,297    | 16,548    | 0,145 | 596,519     |
| bHB CDalphaHH1           | HB CDalpha Hyp.Haute(ng/j)             | 15226 | 13,511    | 16,640    | 0,161 | 598,453     |
| bHB CDbetaHB1            | HB CDbeta Hyp.Basse(ng/j)              | 15226 | 0,369     | 0,463     | 0,006 | 18,053      |
| bHB CDbetaHM1            | HB CDbeta Hyp.Moyenne(ng/j)            | 15226 | 0,806     | 0,734     | 0,020 | 25,443      |
| bHB CDbetaHH1            | HB CDbeta Hyp.Haute(ng/j)              | 15226 | 1,243     | 1,024     | 0,032 | 32,834      |
| bHB CDgammaHB1           | HB CDgamma Hyp.Basse(ng/j)             | 15226 | 0,610     | 0,805     | 0,012 | 28,991      |
| bHB CDgammaHM1           | HB CDgamma Hyp.Moyenne(ng/j)           | 15226 | 1,936     | 1,670     | 0,052 | 58,785      |
| bHB CDgammaHH1           | HB CDgamma Hyp.Haute(ng/j)             | 15226 | 3,262     | 2,604     | 0,090 | 88,578      |
| bPBB101HB1               | PBB101 Hyp.Basse(ng/j)                 | 15226 | 0,051     | 0,110     | 0,000 | 3,012       |
| bPBB101HM1               | PBB101 Hyp.Moyenne(ng/j)               | 15226 | 0,257     | 0,248     | 0,007 | 7,735       |
| bPBB101HH1               | PBB101 Hyp.Haute(ng/j)                 | 15226 | 0,462     | 0,414     | 0,014 | 14,234      |
| bPBB153HB1               | PBB153 Hyp.Basse(ng/j)                 | 15226 | 0,064     | 0,120     | 0,000 | 3,668       |
| bPBB153HM1               | PBB153 Hyp.Moyenne(ng/j)               | 15226 | 0,384     | 0,326     | 0,010 | 10,460      |
| bPBB153HH1               | PBB153 Hyp.Haute(ng/j)                 | 15226 | 0,703     | 0,559     | 0,018 | 19,440      |
| bPBB52HB1                | PBB52 Hyp.Basse(ng/j)                  | 15226 | 0,097     | 0,209     | 0,000 | 6,358       |
| bPBB52HM1                | PBB52 Hyp.Moyenne(ng/j)                | 15226 | 0,166     | 0,240     | 0,003 | 7,002       |
| bPBB52HH1                | PBB52 Hyp.Haute(ng/j)                  | 15226 | 0,235     | 0,278     | 0,006 | 7,645       |
| bPBDE100HB1              | PBDE100 Hyp.Basse(ng/j)                | 15226 | 2,825     | 5,001     | 0,031 | 144,488     |
| bPBDE100HM1              | PBDE100 Hyp.Moyenne(ng/j)              | 15226 | 2,839     | 5,009     | 0,032 | 144,640     |
| bPBDE100HH1              | PBDE100 Hyp.Haute(ng/j)                | 15226 | 2,853     | 5,017     | 0,033 | 144,792     |
| bPBDE153HB1              | PBDE153 Hyp.Basse(ng/j)                | 15226 | 1,211     | 1,381     | 0,044 | 37,394      |
| bPBDE153HM1              | PBDE153 Hyp.Moyenne(ng/j)              | 15226 | 1,290     | 1,431     | 0,051 | 37,997      |
| bPBDE153HH1              | PBDE153 Hyp.Haute(ng/j)                | 15226 | 1,369     | 1,482     | 0,053 | 38,599      |
| bPBDE154HB1              | PBDE154 Hyp.Basse(ng/j)                | 15226 | 1,480     | 2,602     | 0,017 | 73,924      |
| bPBDE154HM1              | PBDE154 Hyp.Moyenne(ng/j)              | 15226 | 1,568     | 2,646     | 0,025 | 74,682      |
| bPBDE154HH1              | PBDE154 Hyp.Haute(ng/j)                | 15226 | 1,656     | 2,692     | 0,030 | 75,441      |
| bPBDE183HB1              | PBDE183 Hyp.Basse(ng/j)                | 15226 | 1,784     | 1,496     | 0,021 | 40,717      |
| bPBDE183HM1              | PBDE183 Hyp.Moyenne(ng/j)              | 15226 | 2,155     | 1,743     | 0,080 | 46,662      |
| bPBDE183HH1              | PBDE183 Hyp.Haute(ng/j)                | 15226 | 2,526     | 2,001     | 0,103 | 56,226      |
| bPBDE209HB1              | PBDE209 Hyp.Basse(ng/j)                | 15226 | 27,933    | 23,241    | 0,682 | 821,113     |
| bPBDE209HM1              | PBDE209 Hyp.Moyenne(ng/j)              | 15226 | 28,997    | 23,714    | 0,954 | 831,762     |
| bPBDE209HH1              | PBDE209 Hyp.Haute(ng/j)                | 15226 | 30,061    | 24,198    | 0,974 | 842,412     |
| bPBDE28HB1               | PBDE28 Hyp.Basse(ng/j)                 | 15226 | 0,852     | 1,657     | 0,005 | 46,309      |
| bPBDE28HM1               | PBDE28 Hyp.Moyenne(ng/j)               | 15226 | 0,870     | 1,663     | 0,007 | 46,488      |
| bPBDE28HH1               | PBDE28 Hyp.Haute(ng/j)                 | 15226 | 0,889     | 1,669     | 0,008 | 46,666      |
| bPBDE47HB1               | PBDE47 Hyp.Basse(ng/j)                 | 15226 | 13,575    | 22,811    | 0,156 | 641,910     |
| bPBDE47HM1               | PBDE47 Hyp.Moyenne(ng/j)               | 15226 | 13,582    | 22,816    | 0,156 | 641,995     |
| bPBDE47HH1               | PBDE47 Hyp.Haute(ng/j)                 | 15226 | 13,589    | 22,822    | 0,157 | 642,079     |
| bPBDE99HB1               | PBDE99 Hyp.Basse(ng/j)                 | 15226 | 4,298     | 4,954     | 0,123 | 133,206     |
| bPBDE99HM1               | PBDE99 Hyp.Moyenne(ng/j)               | 15226 | 4,305     | 4,961     | 0,123 | 133,270     |
| bPBDE99HH1               | PBDE99 Hyp.Haute(ng/j)                 | 15226 | 4,311     | 4,968     | 0,123 | 133,335     |
| bsom7PBDEHB1             | som7PBDE Hyp.Basse(ng/j)               | 15226 | 26,024    | 39,046    | 0,547 | 1107,010    |
| bsom7PBDEHM1             | som7PBDE Hyp.Moyenne(ng/j)             | 15226 | 26,608    | 39,370    | 0,590 | 1113,650    |
| bsom7PBDEHH1             | som7PBDE Hyp.Haute(ng/j)               | 15226 | 27,193    | 39,696    | 0,619 | 1120,280    |
| bsom8PBDEHB1             | som8PBDE Hyp.Basse(ng/j)               | 15226 | 53,957    | 55,755    | 1,720 | 1508,510    |
| bsom8PBDEHM1             | som8PBDE Hyp.Moyenne(ng/j)             | 15226 | 55,606    | 56,582    | 1,757 | 1534,190    |

|              |                           |       |        |        |       |          |
|--------------|---------------------------|-------|--------|--------|-------|----------|
| bsom8PBDEHH1 | som8PBDE Hyp.Haute(ng/j)  | 15226 | 57,254 | 57,417 | 1,794 | 1559,880 |
| bsomHBCDHB1  | somHBCD Hyp.Basse(ng/j)   | 15226 | 14,062 | 17,637 | 0,146 | 641,630  |
| bsomHBCDHM1  | somHBCD Hyp.Moyenne(ng/j) | 15226 | 16,038 | 18,761 | 0,353 | 680,747  |
| bsomHBCDHH1  | somHBCD Hyp.Haute(ng/j)   | 15226 | 18,015 | 19,918 | 0,439 | 719,865  |
| bsomPBBHB1   | somPBB Hyp.Basse(ng/j)    | 15226 | 0,213  | 0,436  | 0,000 | 12,828   |
| bsomPBBHM1   | somPBB Hyp.Moyenne(ng/j)  | 15226 | 0,807  | 0,790  | 0,022 | 22,204   |
| bsomPBBHH1   | somPBB Hyp.Haute(ng/j)    | 15226 | 1,401  | 1,219  | 0,038 | 39,365   |

## 5.2 Exposition aux mélanges de contaminants alimentaires et classification des individus

Les mélanges de contaminants alimentaires ont été évalués en s'appuyant sur le scénario « hypothèse basse ». Pour chaque individu, le coefficient de chaque mélange dans l'exposition totale du sujet a été calculée.

| NOM     | Label  | N     | Moyenne   | Ecart-type | Minimum   | Maximum    |
|---------|--|-------|-----------|------------|-----------|------------|
| nmu1    | coeff. du systeme/melange/cocktails 1 dans l expo tot du sujet | 15226 | 1.6241887 | 1.0140714  | 0.1170118 | 30.6228658 |
| nmu2    | coeff. du systeme/melange/cocktails 2 dans l expo tot du sujet | 15226 | 0.5513561 | 1.0473704  | 0,000     | 33.6074982 |
| nmu3    | coeff. du systeme/melange/cocktails 3 dans l expo tot du sujet | 15226 | 0.6691371 | 1.0313647  | 0,000     | 5.9749889  |
| nmu4    | coeff. du systeme/melange/cocktails 4 dans l expo tot du sujet | 15226 | 0.3595502 | 0.9711265  | 0,000     | 6.9615684  |
| nmu5    | coeff. du systeme/melange/cocktails 5 dans l expo tot du sujet | 15226 | 0.8264078 | 1.0267438  | 0,000     | 5.4382351  |
| nmu6    | coeff. du systeme/melange/cocktails 6 dans l expo tot du sujet | 15226 | 0.3861424 | 0.9315935  | 0,000     | 7.7683112  |
| nmu7    | coeff. du systeme/melange/cocktails 7 dans l expo tot du sujet | 15226 | 0.2300257 | 0.8903290  | 0,000     | 42.0391412 |
| nmu8    | coeff. du systeme/melange/cocktails 8 dans l expo tot du sujet | 15226 | 0.5261816 | 0.9517384  | 0,000     | 7.9519671  |
| nmu_cah | creation 6 groupes individus selon Class. Ascend. Hierarchique | 15226 | 2.7005780 | 1.5735902  | 1.0000000 | 6.0000000  |

## 6 Références

1. Kadawathagedara M, Kersuzan C, Wagner S, et al. Adéquation des consommations alimentaires des femmes enceintes de l'étude ELFE aux recommandations du Programme national nutrition santé. *Cahiers de Nutrition et de Diététique*. 2017;52(2):78-88.
2. Sirot V, Volatier JL, Calamassi-Tran G, et al. Core food of the French food supply: second Total Diet Study. *Food Addit Contam Part A Chem Anal Control Expo Risk Assess*. 2009;26(5):623-639.
3. Traore T, Forhan A, Sirot V, et al. To which mixtures are French pregnant women mainly exposed? A combination of the second French total diet study with the EDEN and ELFE cohort studies. *Food Chem Toxicol*. 2018;111:310-328.

## 7 Annexes

2 tables sas

- Table d'exposition aux contaminants individuels : CONTAMBRUT.sas7bdat
- Table d'exposition aux mélanges de contaminants : NMU\_COEFF\_COCKTAIL.sas7bdat