

平成 29 年 9 月 8 日

## 豊島における環境計測（地下水調査）結果について

地下水の環境計測は、工事の進捗に伴う水質の推移を把握することを目的としている。今回、平成 29 年 7 月及び 8 月に実施した水質調査結果をとりまとめた。

### 1 調査の概要

#### (1) 調査日

平成 29 年 7 月 26 日(水)

平成 29 年 7 月 31 日(月)

平成 29 年 8 月 9 日(水)

#### (2) 調査地点（調査地点図参照）

観測井 9 地点

(A 3、B 5、C 1 北、C 1 南、C 3 北、C 3 南、DE 1、F 1 西、F 1 東)

#### (3) 検体採取機関及び分析機関

採取機関：廃棄物対策課、環境保健研究センター、直島環境センター

分析機関：環境保健研究センター

### 2 調査結果の概要（表 1～4）

- ・ 観測井 DE 1 は、全ての項目で環境基準を満足していた。
- ・ その他観測井 8 地点全てにおいて、これまでの調査結果と比較して特段の差異は見られなかった。
- ・ それぞれの観測井において、次の項目が環境基準値を満足しなかった。
- ・ 観測井 HI 1 は新貯留トレンチ設置に伴い採水ができないため、欠測となっている。
- ・ 観測井 F 1 は遮水壁付近の廃棄物等の掘削に伴い、地下水量が減少し、水質検査に必要な水量が確保できないため、欠測となっている。

観測井 A 3 : 砒素及びその化合物、クロロエチレン、1,2-ジクロロエタン、トリクロロエチレン

観測井 B 5 : ホウ素及びその化合物、1,4-ジオキサン

観測井 C 1 北 : ベンゼン、ホウ素及びその化合物、1,4-ジオキサン

観測井 C 1 南 : クロロエチレン、1,2-ジクロロエチレン、トリクロロエチレン、ベンゼン、  
1,4-ジオキサン

観測井 C 3 北 : ベンゼン、1,4-ジオキサン

観測井 C 3 南 : クロロエチレン、1,2-ジクロロエチレン、トリクロロエチレン、  
ホウ素及びその化合物、1,4-ジオキサン

観測井 F 1 東 : クロロエチレン、ベンゼン、ホウ素及びその化合物、1,4-ジオキサン

観測井 F 1 西 : 砒素及びその化合物、1,4-ジオキサン

表1 地下水調査結果（A3地点の推移）

| 調査地点         |                              | A3           |              |              |              |               |               |               |            |              |               |               |               |               |               |               |               |               |               |               |               |             |               | 地下水の環境基準              | 検出下限   |
|--------------|------------------------------|--------------|--------------|--------------|--------------|---------------|---------------|---------------|------------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|-------------|---------------|-----------------------|--------|
| 調査年月日        |                              | H15.2.6      | H16.2.5      | H17.2.7      | H18.2.28     | H19.2.1       | H20.2.13      | H21.2.17      | H22.2.16   | H23.2.9      | H23.6.14      | H23.8.3       | H23.11.22     | H24.2.1       | H24.5.16      | H24.8.1       | H24.11.19     | H25.2.5       | H25.5.22      | H25.7.29      | H25.11.13     | H26.3.17    | H26.5.13      |                       |        |
| 一般項目         | pH                           | 7.0          | 7.1          | 6.9          | 7.1          | 7.0           | 6.8           | 7.0           | 7.2        | 6.9          | 6.8           | 6.7           | 6.7           | 6.9           | 6.6           | 6.8           | 6.9           | 6.9           | 6.8           | 6.8           | 6.6           | 9.8         | 11.4          | -                     | -      |
|              | BOD                          | 7.5          | 12           | 0.8          | 4.3          | 0.7           | 0.9           | ND            | 1.4        | 1.0          | ND            | 1.0           | 1.0           | 0.8           | ND            | ND            | 0.8           | 1.3           | 1.3           | ND            | ND            | 1.0         | ND            | -                     | 0.5    |
|              | COD                          | 32           | 70           | 17           | 18           | 10            | 21            | 3.1           | 3.7        | 5.7          | 5.6           | 3.7           | 5.1           | 3.8           | 7.0           | 5.0           | 4.1           | 3.4           | 7.9           | 3.5           | 4.2           | 8.4         | 7.2           | -                     | 0.5    |
|              | 大腸菌群数                        | 13           | 33           | 33           | 7.8          | ND            | ND            | ND            | ND         | ND           | ND            | 2             | 7.8           | ND            | ND            | 11            | 13            | ND            | 350           | 2             | 7.8           | ND          | ND            | -                     | -      |
|              | 油分                           | 0.6          | ND           | ND           | ND           | ND            | ND            | ND            | ND         | ND           | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | 0.7           | 1.1         | 0.6           | -                     | 0.5    |
| 健康項目         | カドミウム                        | ND           | ND           | ND           | ND           | ND            | ND            | ND            | ND         | ND           | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND          | ND            | 0.003 <sup>(注6)</sup> | 0.0003 |
|              | 全シアン                         | ND           | ND           | ND           | ND           | ND            | ND            | ND            | ND         | ND           | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND          | ND            | ND                    | 0.1    |
|              | 有機燐                          | ND           | ND           | ND           | ND           | ND            | ND            | ND            | ND         | ND           | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND          | ND            | -                     | 0.1    |
|              | 鉛                            | ND           | <u>0.1</u>   | <u>0.015</u> | ND           | ND            | ND            | ND            | 0.006      | ND           | 0.008         | ND            | ND            | 0.008         | 0.008         | ND            | ND            | ND            | ND            | ND            | ND            | ND          | ND            | 0.01                  | 0.005  |
|              | 六価クロム                        | ND           | ND           | ND           | ND           | ND            | ND            | ND            | ND         | ND           | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND          | ND            | 0.05                  | 0.05   |
|              | 砒素                           | <u>0.56</u>  | <u>0.73</u>  | <u>0.40</u>  | <u>1.1</u>   | <u>0.42</u>   | <u>0.59</u>   | <u>0.31</u>   | <u>1.6</u> | <u>1.2</u>   | <u>0.26</u>   | <u>0.55</u>   | <u>0.50</u>   | <u>0.70</u>   | <u>1.0</u>    | <u>0.54</u>   | <u>0.27</u>   | <u>0.13</u>   | <u>0.090</u>  | <u>0.21</u>   | <u>0.56</u>   | <u>0.49</u> | <u>0.26</u>   | 0.01                  | 0.005  |
|              | 総水銀                          | ND           | ND           | ND           | ND           | ND            | ND            | ND            | ND         | ND           | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND          | ND            | 0.0005                | 0.0005 |
|              | アルキル水銀                       | ND           | ND           | ND           | ND           | ND            | ND            | ND            | ND         | ND           | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND          | ND            | ND                    | 0.0005 |
|              | PCB                          | ND           | ND           | ND           | ND           | ND            | ND            | ND            | ND         | ND           | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND          | ND            | ND                    | 0.0005 |
|              | ジクロロメタン                      | ND           | ND           | ND           | ND           | ND            | ND            | ND            | ND         | ND           | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND          | ND            | 0.02                  | 0.002  |
|              | 四塩化炭素                        | ND           | ND           | ND           | ND           | ND            | ND            | ND            | ND         | ND           | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | 0.0006      | ND            | 0.002                 | 0.0002 |
|              | クロロエチレン <sup>(注8)</sup>      | —            | —            | —            | —            | —             | —             | —             | —          | —            | <u>0.0034</u> | <u>0.0063</u> | <u>0.0044</u> | <u>0.0090</u> | <u>0.0040</u> | <u>0.017</u>  | <u>0.0023</u> | <u>0.0034</u> | <u>0.0035</u> | <u>0.0032</u> | ND            | ND          | <u>0.0022</u> | 0.002                 | 0.0002 |
|              | 1,2-ジクロロエタン                  | <u>0.21</u>  | <u>0.018</u> | <u>0.029</u> | <u>0.018</u> | <u>0.0091</u> | <u>0.0082</u> | <u>0.0053</u> | 0.0019     | 0.0007       | <u>0.0066</u> | <u>0.010</u>  | <u>0.0060</u> | 0.0032        | <u>0.0057</u> | <u>0.0079</u> | <u>0.0045</u> | 0.0036        | 0.0033        | 0.0037        | <u>0.0050</u> | 0.0020      | 0.0031        | 0.004                 | 0.0004 |
|              | 1,1-ジクロロエチレン                 | <u>0.054</u> | 0.009        | 0.011        | 0.004        | 0.003         | ND            | ND            | ND         | 0.005        | 0.007         | 0.011         | 0.004         | 0.002         | 0.003         | 0.002         | 0.004         | ND            | ND            | 0.002         | 0.002         | ND          | ND            | 0.1 <sup>(注4)</sup>   | 0.002  |
|              | 1,2-ジクロロエチレン <sup>(注5)</sup> | <u>1.7</u>   | <u>0.32</u>  | <u>0.33</u>  | <u>0.11</u>  | <u>0.071</u>  | <u>0.047</u>  | 0.033         | 0.022      | <u>0.047</u> | <u>0.046</u>  | 0.032         | 0.030         | 0.037         | 0.021         | 0.024         | 0.022         | 0.019         | 0.010         | 0.022         | 0.015         | ND          | 0.022         | 0.04                  | 0.004  |
|              | 1,1,1-トリクロロエタン               | 0.21         | 0.023        | 0.025        | 0.011        | 0.007         | 0.0036        | 0.0018        | 0.0011     | 0.0072       | 0.011         | 0.023         | 0.0096        | 0.0029        | 0.0039        | 0.0083        | 0.0025        | 0.0019        | 0.0011        | 0.0055        | 0.0049        | ND          | 0.0021        | 1                     | 0.0005 |
|              | 1,1,2-トリクロロエタン               | ND           | 0.0007       | ND           | ND           | ND            | ND            | ND            | ND         | ND           | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND          | ND            | 0.006                 | 0.0006 |
|              | トリクロロエチレン                    | <u>0.15</u>  | 0.010        | <u>0.017</u> | <u>0.022</u> | <u>0.019</u>  | <u>0.011</u>  | 0.006         | 0.007      | <u>0.042</u> | <u>0.043</u>  | <u>0.066</u>  | <u>0.027</u>  | <u>0.016</u>  | <u>0.021</u>  | <u>0.033</u>  | 0.0026        | 0.010         | 0.007         | <u>0.020</u>  | <u>0.015</u>  | 0.002       | <u>0.016</u>  | 0.01 <sup>(注7)</sup>  | 0.001  |
|              | テトラクロロエチレン                   | <u>0.022</u> | <u>0.011</u> | <u>0.034</u> | 0.0027       | 0.0012        | 0.0014        | ND            | 0.0006     | 0.0007       | 0.0057        | <u>0.081</u>  | <u>0.014</u>  | 0.0007        | 0.0014        | 0.0013        | 0.0014        | 0.0007        | ND            | 0.0006        | 0.0007        | ND          | ND            | 0.01                  | 0.0005 |
|              | 1,3-ジクロロプロパン                 | ND           | ND           | ND           | ND           | ND            | ND            | ND            | ND         | ND           | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND          | ND            | 0.002                 | 0.0002 |
|              | チウラム                         | ND           | ND           | ND           | ND           | ND            | ND            | ND            | ND         | ND           | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND          | ND            | 0.006                 | 0.001  |
|              | シマジン                         | ND           | ND           | ND           | ND           | ND            | ND            | ND            | ND         | ND           | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND          | ND            | 0.003                 | 0.0003 |
|              | チオベンカルブ                      | ND           | ND           | ND           | ND           | ND            | ND            | ND            | ND         | ND           | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND          | ND            | 0.02                  | 0.002  |
|              | ベンゼン                         | <u>0.053</u> | <u>0.012</u> | <u>0.012</u> | 0.005        | 0.002         | 0.002         | ND            | ND         | ND           | ND            | ND            | ND            | ND            | ND            | <u>0.014</u>  | ND            | ND            | ND            | <u>0.059</u>  | ND            | ND          | ND            | 0.01                  | 0.001  |
|              | セレン                          | ND           | ND           | 0.010        | ND           | ND            | ND            | ND            | ND         | ND           | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND          | ND            | 0.01                  | 0.005  |
|              | 硝酸性窒素及び亜硝酸性窒素                | ND           | ND           | ND           | ND           | ND            | ND            | ND            | ND         | ND           | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND          | ND            | 10                    | 10     |
|              | フッ素                          | ND           | ND           | ND           | ND           | ND            | ND            | ND            | ND         | ND           | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND          | 1.0           | 0.8                   | 0.8    |
| ホル素          | 0.7                          | 0.5          | 0.4          | 0.3          | 0.3          | 0.2           | 0.2           | 0.2           | 0.5        | 0.1          | 0.1           | 0.3           | 0.2           | 0.2           | 0.2           | 0.2           | 0.2           | 0.2           | ND            | 0.1           | 0.3           | 0.2         | 1             | 0.1                   |        |
| 1,4-ジオキサン    | —                            | —            | —            | —            | —            | —             | —             | —             | ND         | ND           | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND          | 0.05          | 0.005                 |        |
| その他の項目       | 全窒素                          | 4            | 3            | 1.6          | 3            | 1             | 1             | 1             | 5          | 3            | 1             | 1             | 1             | 2             | 4             | 1             | 1             | 1             | 1             | 1             | 1             | ND          | ND            | 2                     | -      |
|              | 全燐                           | 0.5          | ND           | 0.2          | 1.0          | ND            | ND            | ND            | ND         | ND           | ND            | ND            | ND            | 0.2           | ND            | 0.2           | ND            | ND            | 0.1           | 0.2           | ND            | ND          | ND            | -                     | 0.1    |
|              | 塩化物イオン                       | 68           | 39           | 28           | 23           | 37            | 29            | 24            | 28         | 21           | 25            | 31            | 30            | 32            | 20            | 33            | 31            | 33            | 41            | 38            | 40            | 48          | 57            | -                     | 1      |
|              | 電気伝導率                        | 51.3         | 40           | 32           | 29.5         | 14.6          | 16.1          | 16.2          | 15         | 16           | 32.7          | 30            | 28            | 30.8          | 30.8          | 32            | 30            | 30            | 32            | 30            | 31            | 32          | 87            | -                     | 0.1    |
|              | ニッケル                         | ND           | 0.08         | ND           | ND           | ND            | ND            | ND            | ND         | ND           | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND          | ND            | -                     | 0.05   |
|              | モリブデン                        | ND           | ND           | 0.016        | ND           | ND            | 0.008         | 0.026         | 0.022      | ND           | ND            | 0.028         | 0.030         | 0.038         | 0.022         | ND            | 0.008         | 0.044         | 0.016         | 0.013         | 0.019         | 0.12        | 0.098         | -                     | 0.007  |
|              | アンチモン                        | ND           | 0.002        | 0.005        | 0.002        | 0.002         | 0.003         | ND            | ND         | ND           | ND            | ND            | ND            | 0.004         | ND            | ND            | 0.001         | ND            | ND            | 0.001         | ND            | 0.004       | ND            | -                     | 0.001  |
| フタル酸ジエチルヘキシル | ND                           | ND           | ND           | ND           | ND           | 0.015         | ND            | ND            | 0.046      | ND           | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND          | -             | 0.006                 |        |

(注1)単位は、pH(-)、大腸菌群数(MPN/100ml)、電気伝導度(mS/m)を除いて、mg/Lである。

(注2)ND：検出せず

(注3)下線は地下水の環境基準を超過しているもの。

(注4)環境省通知に基づき、環境基準を変更した。(平成22年1月調査までの環境基準値は0.02mg/Lである。)

(注5)環境省通知に基づき、シス体及びトランス体を合わせて1つの地下水環境基準項目となったため、名称を変更した。(平成22年1月調査までは、シス体のみ調査を実施した。)

(注6)環境省通知に基づき、環境基準を変更した。(平成24年1月調査までの環境基準値は0.01mg/Lである。)

(注7)環境省通知に基づき、環境基準を変更した。(平成26年7月調査までの環境基準値は0.03mg/Lである。)

(注8)環境省通知に基づき、名称を変更した。(平成29年3月調査までは塩化ビニルモノマーである。)

表1 地下水調査結果（A3地点の推移）

| 調査地点         |                              | A3       |           |          |          |          |           |         |          |          |          |          |          |          | 地下水の<br>環境基準          | 検出<br>下限 |
|--------------|------------------------------|----------|-----------|----------|----------|----------|-----------|---------|----------|----------|----------|----------|----------|----------|-----------------------|----------|
| 調査年月日        |                              | H26.7.29 | H26.11.25 | H27.2.16 | H27.5.19 | H27.9.17 | H27.11.24 | H28.2.9 | H28.5.24 | H28.7.26 | H28.11.8 | H29.1.30 | H29.5.23 | H29.7.26 |                       |          |
| 一般項目         | pH                           | 7.0      | 7.0       | 7.0      | 6.8      | 7.5      | 7.0       | 6.8     | 6.7      | 7.8      | 7.1      | 7.5      | 7.1      | 6.8      | -                     | -        |
|              | BOD                          | ND       | 1.3       | 22       | 0.8      | 0.6      | ND        | 1.4     | 0.6      | 1.8      | 1.8      | 0.5      | 1.4      | 2.7      | -                     | 0.5      |
|              | COD                          | 5.2      | 6.3       | 49       | 11       | 6.5      | 5.6       | 5.7     | 5.0      | 6.7      | 5.1      | 9.0      | 7.5      | 4.3      | -                     | 0.5      |
|              | 大腸菌群数                        | 280      | 11        | ND       | ND       | 23       | ND        | 7.8     | ND       | ND       | ND       | ND       | ND       | ND       | -                     | -        |
|              | 油分                           | ND       | 0.8       | ND       | ND       | ND       | 0.8       | ND      | ND       | ND       | 0.6      | 0.9      | ND       | ND       | -                     | 0.5      |
| 健康項目         | カドミウム                        | ND       | ND        | ND       | ND       | ND       | ND        | ND      | ND       | ND       | ND       | ND       | ND       | ND       | 0.003 <sup>(注6)</sup> | 0.0003   |
|              | 全シアン                         | ND       | ND        | ND       | ND       | ND       | ND        | ND      | ND       | ND       | ND       | ND       | ND       | ND       | ND                    | 0.1      |
|              | 有機燐                          | ND       | ND        | ND       | ND       | ND       | ND        | ND      | ND       | ND       | ND       | ND       | ND       | ND       | -                     | 0.1      |
|              | 鉛                            | ND       | ND        | ND       | ND       | ND       | ND        | ND      | 0.010    | 0.014    | ND       | ND       | ND       | ND       | 0.01                  | 0.005    |
|              | 六価クロム                        | ND       | ND        | ND       | ND       | ND       | ND        | ND      | ND       | ND       | ND       | ND       | ND       | ND       | 0.05                  | 0.05     |
|              | 砒素                           | 0.16     | 0.22      | 0.68     | 29       | 0.64     | 0.38      | 0.45    | 1.1      | 7.6      | 0.20     | 0.47     | 3.9      | 0.38     | 0.01                  | 0.005    |
|              | 総水銀                          | ND       | ND        | ND       | ND       | ND       | ND        | ND      | ND       | ND       | ND       | ND       | ND       | ND       | 0.0005                | 0.0005   |
|              | アルキル水銀                       | ND       | ND        | ND       | ND       | ND       | ND        | ND      | ND       | ND       | ND       | ND       | ND       | ND       | ND                    | 0.0005   |
|              | PCB                          | ND       | ND        | ND       | ND       | ND       | ND        | ND      | ND       | ND       | ND       | ND       | ND       | ND       | ND                    | 0.0005   |
|              | シクロメタン                       | ND       | ND        | ND       | ND       | ND       | ND        | ND      | ND       | ND       | ND       | ND       | ND       | ND       | 0.02                  | 0.002    |
|              | 四塩化炭素                        | ND       | ND        | ND       | ND       | ND       | ND        | ND      | ND       | ND       | ND       | ND       | 0.0018   | ND       | 0.002                 | 0.0002   |
|              | クロロエチレン <sup>(注8)</sup>      | 0.0018   | 0.012     | 0.018    | 0.0059   | 0.017    | 0.0061    | 0.0076  | 0.0052   | 0.0054   | 0.0056   | 0.0014   | 0.012    | 0.0052   | 0.002                 | 0.0002   |
|              | 1,2-ジクロロエタン                  | 0.0010   | 0.016     | 0.0072   | 0.016    | 0.0062   | 0.0083    | 0.0097  | 0.0094   | 0.015    | 0.0070   | 0.0035   | 0.0083   | 0.012    | 0.004                 | 0.0004   |
|              | 1,1-ジクロロエチレン                 | 0.005    | ND        | 0.008    | 0.010    | 0.002    | 0.002     | 0.006   | 0.008    | 0.013    | 0.004    | 0.002    | 0.002    | 0.010    | 0.1 <sup>(注4)</sup>   | 0.002    |
|              | 1,2-ジクロロエチレン <sup>(注5)</sup> | 0.054    | 0.12      | 0.056    | 0.082    | 0.046    | 0.034     | 0.027   | 0.029    | 0.037    | 0.020    | 0.011    | 0.021    | 0.033    | 0.04                  | 0.004    |
|              | 1,1,1-トリクロロエタン               | 0.016    | 0.041     | 0.011    | 0.029    | 0.010    | 0.010     | 0.017   | 0.030    | 0.049    | 0.014    | 0.0087   | 0.011    | 0.026    | 1                     | 0.0005   |
|              | 1,1,2-トリクロロエタン               | ND       | ND        | ND       | ND       | ND       | ND        | ND      | ND       | ND       | ND       | ND       | ND       | ND       | 0.006                 | 0.0006   |
|              | トリクロロエチレン                    | 0.033    | 0.098     | 0.058    | 0.091    | 0.062    | 0.049     | 0.078   | 0.10     | 0.15     | 0.065    | 0.039    | 0.059    | 0.063    | 0.01 <sup>(注7)</sup>  | 0.001    |
|              | テトラクロロエチレン                   | 0.0020   | 0.0053    | 0.0059   | 0.0092   | 0.0015   | 0.0028    | 0.0026  | 0.0034   | 0.0044   | 0.0017   | 0.0007   | 0.0013   | 0.0038   | 0.01                  | 0.0005   |
|              | 1,3-ジクロロプロペン                 | ND       | ND        | ND       | ND       | ND       | ND        | ND      | ND       | ND       | ND       | ND       | ND       | ND       | 0.002                 | 0.0002   |
|              | チウラム                         | ND       | ND        | ND       | ND       | ND       | ND        | ND      | ND       | ND       | ND       | ND       | ND       | ND       | 0.006                 | 0.001    |
|              | シマジン                         | ND       | ND        | ND       | ND       | ND       | ND        | ND      | ND       | ND       | ND       | ND       | ND       | ND       | 0.003                 | 0.0003   |
|              | チオヘンカルブ                      | ND       | ND        | ND       | ND       | ND       | ND        | ND      | ND       | ND       | ND       | ND       | ND       | ND       | 0.02                  | 0.002    |
|              | ベンゼン                         | ND       | ND        | 0.002    | ND       | 0.008    | ND        | ND      | ND       | ND       | ND       | ND       | ND       | ND       | 0.01                  | 0.001    |
|              | セレン                          | ND       | ND        | ND       | ND       | ND       | ND        | ND      | ND       | ND       | ND       | ND       | ND       | ND       | 0.01                  | 0.005    |
|              | 硝酸性窒素及び亜硝酸性窒素                | ND       | ND        | ND       | ND       | ND       | ND        | ND      | ND       | ND       | ND       | ND       | ND       | ND       | 10                    | 10       |
| フッ素          | ND                           | ND       | ND        | ND       | ND       | ND       | ND        | ND      | ND       | ND       | ND       | ND       | ND       | 0.8      | 0.8                   |          |
| ホウ素          | 0.3                          | 0.2      | 0.3       | 0.2      | 0.2      | 0.2      | 0.1       | 0.2     | 0.2      | 0.2      | 0.1      | 0.1      | 0.1      | 1        | 0.1                   |          |
| 1,4-ジオキサン    | ND                           | 0.005    | ND        | 0.008    | 0.017    | 0.005    | ND        | 0.005   | 0.005    | ND       | ND       | ND       | 0.009    | 0.05     | 0.005                 |          |
| その他の項目       | 全窒素                          | 1        | ND        | 2        | 2        | 2        | 1         | 1       | 1        | 2        | 2        | 5        | 2        | 1        | -                     | 1        |
|              | 全燐                           | ND       | ND        | 0.4      | 0.4      | ND       | ND        | ND      | ND       | 0.9      | ND       | ND       | 0.4      | 0.1      | -                     | 0.1      |
|              | 塩化物イオン                       | 53       | 54        | 50       | 46       | 61       | 49        | 48      | 47       | 50       | 33       | 37       | 70       | 33       | -                     | 1        |
|              | 電気伝導率                        | 40.9     | 50.3      | 43.7     | 30.8     | 52.5     | 41.3      | 39.2    | 38.4     | 38.0     | 34.0     | 39.6     | 48.0     | 37.0     | -                     | 0.1      |
|              | ニッケル                         | ND       | ND        | ND       | ND       | ND       | ND        | ND      | ND       | ND       | ND       | ND       | ND       | ND       | -                     | 0.05     |
|              | モリブデン                        | 0.023    | 0.007     | 0.049    | ND       | 0.009    | ND        | 0.010   | ND       | ND       | ND       | ND       | 0.032    | 0.014    | -                     | 0.007    |
|              | アンチモン                        | ND       | ND        | 0.002    | ND       | ND       | ND        | ND      | ND       | ND       | 0.001    | 0.001    | ND       | ND       | -                     | 0.001    |
| フタル酸ジエチルヘキシル | ND                           | ND       | ND        | ND       | ND       | ND       | ND        | ND      | ND       | ND       | ND       | ND       | ND       | -        | 0.006                 |          |

(注1)単位は、pH(-)、大腸菌群数(MPN/100ml)、電気伝導度(mS/m)を除いて、mg/Lである。

(注2)ND：検出せず

(注3)下線は地下水の環境基準を超過しているもの。

(注4)環境省通知に基づき、環境基準を変更した。(平成22年1月調査までの環境基準値は0.02mg/Lである。)

(注5)環境省通知に基づき、シス体及びトランス体を合わせて1つの地下水環境基準項目となったため、名称を変更した。(平成22年1月調査までは、シス体のみ調査を実施した。)

(注6)環境省通知に基づき、環境基準を変更した。(平成24年11月調査までの環境基準値は0.03mg/Lである。)

(注7)環境省通知に基づき、環境基準を変更した。(平成26年7月調査までの環境基準値は0.03mg/Lである。)

(注8)環境省通知に基づき、名称を変更した。(平成29年3月調査までは塩化ビニルモノマーである。)

表2 地下水調査結果（B5地点の推移）

| 調査地点          |                              | B5                  |                     |         |          |         |          |          |          |         |          |         |           |         |          |         |           |         |          |          |           |         |          | 地下水の環境基準              | 検出下限                 |        |
|---------------|------------------------------|---------------------|---------------------|---------|----------|---------|----------|----------|----------|---------|----------|---------|-----------|---------|----------|---------|-----------|---------|----------|----------|-----------|---------|----------|-----------------------|----------------------|--------|
| 調査年月日         |                              | H12.12.4            | H13.3.6             | H17.2.7 | H18.2.28 | H19.2.1 | H20.2.13 | H21.2.17 | H22.2.16 | H23.2.9 | H23.6.14 | H23.8.3 | H23.11.22 | H24.2.1 | H24.5.16 | H24.8.1 | H24.11.19 | H25.2.5 | H25.5.22 | H25.7.29 | H25.11.13 | H26.3.4 | H26.5.13 |                       |                      |        |
| 一般項目          | pH                           | 6.3                 | 6.4                 | 6.6     | 7.1      | 6.8     | 6.9      | 6.7      | 7.0      | 6.5     | 6.8      | 6.5     | 6.5       | 6.6     | 6.7      | 6.6     | 6.7       | 6.7     | 6.7      | 6.6      | 6.7       | 6.8     | 6.6      | -                     | -                    |        |
|               | BOD                          | 120                 | 55                  | 50      | 44       | 43      | 41       | 36       | 29       | 21      | 33       | 43      | 24        | 27      | 15       | 34      | 13        | 4.2     | 12       | 10       | 8         | 16      | 13       | -                     | 0.5                  |        |
|               | COD                          | 530                 | 300                 | 370     | 300      | 310     | 220      | 240      | 420      | 300     | 223      | 240     | 210       | 260     | 160      | 204     | 186       | 179     | 194      | 228      | 215       | 120     | 200      | -                     | 0.5                  |        |
|               | 大腸菌群数                        | 3.5×10 <sup>2</sup> | 2.4×10 <sup>2</sup> | ND      | ND       | 17      | ND       | 2.0      | ND       | 2.0     | ND       | 23      | ND        | ND      | ND       | ND      | 49        | ND      | 2.0      | 790      | 2.0       | 350     | 1700     | -                     | -                    |        |
|               | 油分                           | 2.9                 | 4.1                 | 8.9     | 5.6      | 4.5     | 5.5      | 5.2      | 4.3      | 6.1     | 8.2      | 5.8     | 5.4       | 4.6     | 4.6      | 5.2     | 4.2       | 3.4     | 7.0      | 10       | 8.6       | 11      | 7.6      | -                     | 0.5                  |        |
| 健康項目          | カドミウム                        | ND                  | ND                  | ND      | ND       | ND      | ND       | ND       | ND       | ND      | ND       | ND      | ND        | ND      | ND       | ND      | ND        | 0.0003  | ND       | 0.0003   | ND        | ND      | ND       | 0.003 <sup>(注6)</sup> | 0.0003               |        |
|               | 全シアン                         | ND                  | -                   | ND      | ND       | ND      | ND       | ND       | ND       | ND      | ND       | ND      | ND        | ND      | ND       | ND      | ND        | ND      | ND       | ND       | ND        | ND      | ND       | ND                    | ND                   |        |
|               | 有機燐                          | -                   | -                   | ND      | ND       | ND      | ND       | ND       | ND       | ND      | ND       | ND      | ND        | ND      | ND       | ND      | ND        | ND      | ND       | ND       | ND        | ND      | ND       | ND                    | ND                   |        |
|               | 鉛                            | 0.018               | 0.048               | ND      | ND       | ND      | ND       | ND       | ND       | ND      | ND       | ND      | ND        | ND      | 0.007    | ND      | ND        | ND      | ND       | ND       | ND        | ND      | ND       | ND                    | 0.01                 | 0.005  |
|               | 六価クロム                        | ND                  | -                   | ND      | ND       | ND      | ND       | ND       | ND       | ND      | ND       | ND      | ND        | ND      | ND       | ND      | ND        | ND      | ND       | ND       | ND        | ND      | ND       | ND                    | 0.05                 | 0.05   |
|               | 砒素                           | 0.047               | 0.022               | ND      | 0.008    | 0.013   | 0.012    | ND       | ND       | ND      | ND       | ND      | ND        | 0.005   | 0.017    | ND      | 0.011     | 0.007   | ND       | ND       | 0.006     | ND      | 0.006    | 0.01                  | 0.005                |        |
|               | 総水銀                          | ND                  | -                   | ND      | ND       | ND      | ND       | ND       | ND       | ND      | ND       | ND      | ND        | ND      | ND       | ND      | ND        | ND      | ND       | ND       | ND        | ND      | ND       | ND                    | 0.0005               | 0.0005 |
|               | アルキル水銀                       | ND                  | -                   | ND      | ND       | ND      | ND       | ND       | ND       | ND      | ND       | ND      | ND        | ND      | ND       | ND      | ND        | ND      | ND       | ND       | ND        | ND      | ND       | ND                    | ND                   | 0.0005 |
|               | PCB                          | ND                  | -                   | ND      | ND       | ND      | ND       | ND       | ND       | ND      | ND       | ND      | ND        | ND      | ND       | ND      | ND        | ND      | ND       | ND       | ND        | ND      | ND       | ND                    | ND                   | 0.0005 |
|               | ジクロロメタン                      | 0.085               | 0.039               | 0.018   | 0.006    | 0.003   | 0.002    | 0.003    | ND       | 0.004   | 0.004    | ND      | 0.004     | 0.005   | 0.004    | 0.003   | 0.003     | 0.002   | 0.002    | 0.002    | ND        | ND      | 0.007    | 0.02                  | 0.002                |        |
|               | 四塩化炭素                        | ND                  | ND                  | ND      | ND       | ND      | ND       | ND       | ND       | ND      | ND       | ND      | ND        | ND      | ND       | ND      | ND        | ND      | ND       | ND       | ND        | ND      | ND       | ND                    | 0.002                | 0.0002 |
|               | クロロエチレン <sup>(注8)</sup>      | -                   | -                   | -       | -        | -       | -        | -        | -        | -       | ND       | ND      | ND        | ND      | ND       | ND      | ND        | ND      | ND       | ND       | ND        | ND      | ND       | ND                    | 0.002                | 0.0002 |
|               | 1,2-ジクロロエタン                  | 0.0017              | 0.0014              | ND      | ND       | ND      | ND       | 0.0006   | ND       | ND      | ND       | ND      | 0.0004    | 0.0005  | ND       | ND      | ND        | 0.0006  | ND       | ND       | ND        | ND      | ND       | ND                    | 0.004                | 0.0004 |
|               | 1,1-ジクロロエチレン                 | ND                  | ND                  | ND      | ND       | ND      | ND       | ND       | ND       | ND      | ND       | ND      | ND        | ND      | ND       | ND      | ND        | ND      | ND       | ND       | ND        | ND      | ND       | ND                    | 0.1 <sup>(注4)</sup>  | 0.002  |
|               | 1,2-ジクロロエチレン <sup>(注5)</sup> | ND                  | ND                  | ND      | ND       | ND      | ND       | ND       | ND       | ND      | ND       | ND      | ND        | ND      | ND       | ND      | ND        | ND      | ND       | ND       | ND        | ND      | ND       | ND                    | 0.04                 | 0.004  |
|               | 1,1,1-トリクロロエタン               | ND                  | ND                  | ND      | ND       | ND      | ND       | ND       | ND       | ND      | ND       | ND      | ND        | ND      | ND       | ND      | ND        | ND      | ND       | ND       | ND        | ND      | ND       | ND                    | 1                    | 0.0005 |
|               | 1,1,2-トリクロロエタン               | ND                  | ND                  | ND      | ND       | ND      | ND       | ND       | ND       | ND      | 0.0018   | ND      | ND        | ND      | ND       | ND      | ND        | ND      | ND       | ND       | ND        | ND      | ND       | ND                    | 0.006                | 0.0006 |
|               | トリクロロエチレン                    | ND                  | ND                  | ND      | ND       | ND      | ND       | ND       | ND       | ND      | ND       | ND      | ND        | ND      | ND       | ND      | ND        | ND      | ND       | ND       | ND        | ND      | ND       | ND                    | 0.01 <sup>(注7)</sup> | 0.001  |
|               | テトラクロロエチレン                   | 0.0016              | ND                  | ND      | ND       | ND      | ND       | ND       | ND       | ND      | ND       | ND      | ND        | ND      | ND       | ND      | ND        | ND      | ND       | ND       | ND        | ND      | ND       | ND                    | 0.01                 | 0.0005 |
|               | 1,3-ジクロロプロパン                 | ND                  | ND                  | ND      | ND       | ND      | ND       | ND       | ND       | ND      | ND       | ND      | ND        | ND      | ND       | ND      | ND        | ND      | ND       | ND       | ND        | ND      | ND       | ND                    | 0.002                | 0.0002 |
|               | チウラム                         | ND                  | -                   | ND      | ND       | ND      | ND       | ND       | ND       | ND      | ND       | ND      | ND        | ND      | ND       | ND      | ND        | ND      | ND       | ND       | ND        | ND      | ND       | ND                    | 0.006                | 0.001  |
|               | シマジン                         | ND                  | -                   | ND      | ND       | ND      | ND       | ND       | ND       | ND      | ND       | ND      | ND        | ND      | ND       | ND      | ND        | ND      | ND       | ND       | ND        | ND      | ND       | ND                    | 0.003                | 0.0003 |
|               | チオベンカルブ                      | ND                  | -                   | ND      | ND       | ND      | ND       | ND       | ND       | ND      | ND       | ND      | ND        | ND      | ND       | ND      | ND        | ND      | ND       | ND       | ND        | ND      | ND       | ND                    | 0.02                 | 0.002  |
|               | ベンゼン                         | 0.22                | 0.19                | 0.042   | 0.014    | 0.003   | 0.002    | 0.006    | 0.002    | 0.025   | 0.020    | 0.025   | 0.020     | 0.022   | 0.016    | 0.015   | 0.013     | 0.009   | 0.010    | 0.013    | 0.004     | 0.010   | 0.030    | 0.01                  | 0.001                |        |
|               | セレン                          | ND                  | -                   | 0.011   | ND       | ND      | ND       | ND       | ND       | ND      | ND       | ND      | ND        | ND      | ND       | ND      | ND        | ND      | ND       | ND       | ND        | ND      | ND       | ND                    | 0.01                 | 0.005  |
| 硝酸性窒素及び亜硝酸性窒素 | ND                           | ND                  | ND                  | ND      | ND       | ND      | ND       | ND       | ND       | ND      | 0.26     | 1.2     | ND        | ND      | ND       | ND      | ND        | ND      | ND       | ND       | ND        | ND      | ND       | 10                    | 10                   |        |
| フッ素           | ND                           | ND                  | 4.2                 | 5.0     | 3.6      | 3.0     | 2.0      | 1.3      | ND       | 2.6     | 1.5      | 1.5     | 1.4       | 1.3     | 1.2      | 1.3     | 1.2       | 1.4     | 1.1      | 0.9      | 1.4       | 1.8     | 0.8      | 0.8                   |                      |        |
| ホル素           | 2.1                          | 2.6                 | 3.0                 | 3.1     | 3.1      | 2.6     | 3.0      | 2.5      | 2.5      | 2.6     | 2.6      | 4.9     | 2.8       | 2.6     | 2.7      | 2.6     | 2.5       | 2.2     | 2.6      | 2.7      | 2.5       | 2.0     | 1        | 0.1                   |                      |        |
| 1,4-ジオキサン     | -                            | -                   | -                   | -       | -        | -       | -        | -        | 5.3      | 5.1     | 5.6      | 5.1     | 5.2       | 3.5     | 4.5      | 4.1     | 3.5       | 3.5     | 4.1      | 3.1      | 3.3       | 3.6     | 0.05     | 0.005                 |                      |        |
| その他の項目        | 全窒素                          | 14                  | 14                  | 12      | 10       | 37      | 30       | 31       | 45       | 8       | 9        | 38      | 34        | 28      | 34       | 24      | 17        | 17      | 15       | 18       | 4         | ND      | 12       | -                     | 1                    |        |
|               | 全燐                           | 0.1                 | ND                  | ND      | ND       | ND      | ND       | ND       | ND       | ND      | ND       | ND      | ND        | ND      | ND       | ND      | ND        | ND      | ND       | ND       | ND        | ND      | ND       | ND                    | -                    | 0.1    |
|               | 塩化物イオン                       | 2,300               | 1,840               | 2,000   | 1,520    | 1,550   | 1,330    | 1,470    | 1,400    | 1,400   | 1,400    | 1,480   | 1,390     | 1,330   | 1,180    | 1,120   | 1,080     | 944     | 943      | 1,020    | 690       | 704     | 901      | -                     | 1                    |        |
|               | 電気伝導率                        | 635                 | 462                 | 694     | 542      | 478     | 314      | 274      | 280      | 560     | 502      | 517     | 523       | 502     | 432      | 467     | 399       | 413     | 400      | 354      | 339       | 320     | 403      | -                     | 0.1                  |        |
|               | ニッケル                         | ND                  | ND                  | ND      | ND       | ND      | ND       | ND       | ND       | ND      | ND       | ND      | ND        | ND      | ND       | ND      | 0.06      | ND      | ND       | ND       | ND        | ND      | ND       | ND                    | -                    | 0.05   |
|               | モリブデン                        | ND                  | ND                  | ND      | ND       | ND      | ND       | ND       | ND       | ND      | ND       | ND      | ND        | ND      | ND       | ND      | ND        | ND      | ND       | ND       | 0.018     | 0.009   | ND       | -                     | 0.007                |        |
|               | アンチモン                        | ND                  | ND                  | ND      | ND       | ND      | ND       | ND       | ND       | ND      | ND       | ND      | ND        | 0.001   | ND       | ND      | ND        | ND      | ND       | ND       | ND        | ND      | ND       | -                     | 0.001                |        |
| フタル酸ジエチルヘキシル  | ND                           | 0.020               | ND                  | ND      | ND       | ND      | 0.010    | 0.010    | ND       | ND      | ND       | ND      | ND        | ND      | ND       | ND      | ND        | ND      | ND       | ND       | ND        | ND      | -        | 0.006                 |                      |        |

(注1)単位は、pH(-)、大腸菌群数(MPN/100ml)、電気伝導率(mS/m)を除いて、mg/Lである。

(注2)ND：検出せず

(注3)下線は地下水の環境基準を超過しているもの。

(注4)環境省通知に基づき、環境基準を変更した。(平成22年1月調査までの環境基準値は0.02mg/Lである。)

(注5)環境省通知に基づき、シス体及びトランス体を合わせて1つの地下水環境基準項目となったため、名称を変更した。(平成22年1月調査までは、シス体のみ調査を実施した。)

(注6)環境省通知に基づき、環境基準を変更した。(平成24年1月調査までの環境基準値は0.01mg/Lである。)

(注7)環境省通知に基づき、環境基準を変更した。(平成26年7月調査までの環境基準値は0.03mg/Lである。)

(注8)環境省通知に基づき、名称を変更した。(平成29年3月調査までは塩化ビニルモノマーである。)

表2 地下水調査結果（B5地点の推移）

| 調査地点         |                              | B5       |           |          |          |          |         |          |          |          |          |          | 地下水の環境基準 | 検出下限                  |        |
|--------------|------------------------------|----------|-----------|----------|----------|----------|---------|----------|----------|----------|----------|----------|----------|-----------------------|--------|
| 調査年月日        |                              | H26.7.29 | H26.11.25 | H27.2.16 | H27.5.19 | H27.7.27 | H28.2.9 | H28.5.24 | H28.7.26 | H28.11.8 | H29.1.31 | H29.5.23 | H29.7.26 |                       |        |
| 一般項目         | pH                           | 6.7      | 6.6       | 6.9      | 6.4      | 6.6      | 6.8     | 6.8      | 6.9      | 6.8      | 7.0      | 6.6      | 6.6      | -                     | -      |
|              | BOD                          | 3.2      | 6.2       | 17       | 12       | 23       | 24      | 20       | 14       | 8.9      | 22       | 16       | 17       | -                     | 0.5    |
|              | COD                          | 100      | 130       | 100      | 110      | 58       | 65      | 67       | 69       | 74       | 92       | 77       | 60       | -                     | 0.5    |
|              | 大腸菌群数                        | 33       | 49        | 59       | 170      | ND       | ND      | ND       | 4.0      | 11       | ND       | ND       | 4.5      | -                     | -      |
|              | 油分                           | 6.2      | 8.9       | 4.7      | 5.9      | 3.1      | 4.0     | 5.7      | 4.4      | 4.9      | 5.8      | 3.8      | 4.6      | -                     | 0.5    |
| 健康項目         | カドミウム                        | ND       | ND        | ND       | ND       | ND       | ND      | ND       | ND       | ND       | ND       | ND       | ND       | 0.003 <sup>(注6)</sup> | 0.0003 |
|              | 全シアン                         | ND       | ND        | ND       | ND       | ND       | ND      | ND       | ND       | ND       | ND       | ND       | ND       | ND                    | 0.1    |
|              | 有機燐                          | ND       | ND        | ND       | ND       | ND       | ND      | ND       | ND       | ND       | ND       | ND       | ND       | -                     | 0.1    |
|              | 鉛                            | ND       | 0.006     | ND       | ND       | ND       | ND      | ND       | ND       | ND       | ND       | ND       | ND       | 0.01                  | 0.005  |
|              | 六価クロム                        | ND       | ND        | ND       | ND       | ND       | ND      | ND       | ND       | ND       | ND       | ND       | ND       | 0.05                  | 0.05   |
|              | 砒素                           | ND       | ND        | ND       | 0.009    | ND       | ND      | 0.007    | 0.006    | 0.006    | ND       | 0.008    | 0.011    | 0.01                  | 0.005  |
|              | 総水銀                          | ND       | ND        | ND       | ND       | ND       | ND      | ND       | ND       | ND       | ND       | ND       | ND       | 0.0005                | 0.0005 |
|              | アルキル水銀                       | ND       | ND        | ND       | ND       | ND       | ND      | ND       | ND       | ND       | ND       | ND       | ND       | ND                    | 0.0005 |
|              | PCB                          | ND       | ND        | ND       | ND       | ND       | ND      | ND       | ND       | ND       | ND       | ND       | ND       | ND                    | 0.0005 |
|              | ジクロロメタン                      | ND       | ND        | ND       | ND       | ND       | ND      | ND       | ND       | ND       | ND       | ND       | ND       | 0.02                  | 0.002  |
|              | 四塩化炭素                        | ND       | ND        | ND       | ND       | ND       | ND      | ND       | ND       | ND       | ND       | ND       | ND       | 0.002                 | 0.0002 |
|              | クロロエチレン <sup>(注8)</sup>      | ND       | ND        | ND       | ND       | ND       | ND      | ND       | ND       | ND       | ND       | ND       | ND       | 0.002                 | 0.0002 |
|              | 1,2-ジクロロエタン                  | ND       | ND        | ND       | ND       | ND       | ND      | ND       | ND       | ND       | ND       | ND       | ND       | 0.004                 | 0.0004 |
|              | 1,1-ジクロロエチレン                 | ND       | ND        | ND       | ND       | ND       | ND      | ND       | ND       | ND       | ND       | ND       | ND       | 0.1 <sup>(注4)</sup>   | 0.002  |
|              | 1,2-ジクロロエチレン <sup>(注5)</sup> | ND       | ND        | ND       | ND       | ND       | ND      | ND       | ND       | ND       | ND       | ND       | ND       | 0.04                  | 0.004  |
|              | 1,1,1-トリクロロエタン               | ND       | ND        | ND       | ND       | ND       | ND      | ND       | ND       | ND       | ND       | ND       | ND       | 1                     | 0.0005 |
|              | 1,1,2-トリクロロエタン               | ND       | ND        | ND       | ND       | ND       | ND      | ND       | ND       | ND       | ND       | ND       | ND       | 0.006                 | 0.0006 |
|              | トリクロロエチレン                    | ND       | ND        | ND       | ND       | ND       | ND      | ND       | ND       | ND       | ND       | ND       | ND       | 0.01 <sup>(注7)</sup>  | 0.001  |
|              | テトラクロロエチレン                   | ND       | ND        | ND       | ND       | ND       | ND      | ND       | ND       | ND       | ND       | ND       | ND       | 0.01                  | 0.0005 |
|              | 1,3-ジクロロプロパン                 | ND       | ND        | ND       | ND       | ND       | ND      | ND       | ND       | ND       | ND       | ND       | ND       | 0.002                 | 0.0002 |
|              | チウラム                         | ND       | ND        | ND       | ND       | ND       | ND      | ND       | ND       | ND       | ND       | ND       | ND       | 0.006                 | 0.001  |
|              | シマジン                         | ND       | ND        | ND       | ND       | ND       | ND      | ND       | ND       | ND       | ND       | ND       | ND       | 0.003                 | 0.0003 |
|              | チオヘンカルブ                      | ND       | ND        | ND       | ND       | ND       | ND      | ND       | ND       | ND       | ND       | ND       | ND       | 0.02                  | 0.002  |
|              | ベンゼン                         | 0.014    | 0.018     | 0.007    | 0.014    | 0.006    | 0.007   | 0.008    | 0.008    | 0.008    | 0.005    | 0.006    | 0.008    | 0.01                  | 0.001  |
|              | セレン                          | ND       | ND        | ND       | ND       | ND       | ND      | ND       | ND       | ND       | ND       | ND       | ND       | 0.01                  | 0.005  |
|              | 硝酸性窒素及び亜硝酸性窒素                | ND       | ND        | ND       | ND       | ND       | ND      | ND       | ND       | ND       | ND       | ND       | ND       | 10                    | 10     |
| フッ素          | 0.8                          | 0.8      | ND        | ND       | ND       | ND       | ND      | ND       | ND       | ND       | 0.9      | ND       | 0.8      | 0.8                   |        |
| ホウ素          | 2.3                          | 2.0      | 2.0       | 1.9      | 1.2      | 1.5      | 1.7     | 1.6      | 1.7      | 1.8      | 1.7      | 1.6      | 1        | 0.1                   |        |
| 1,4-ジオキサン    | 2.3                          | 2.3      | 1.6       | 2.4      | 0.85     | 1.0      | 1.2     | 1.5      | 1.4      | 1.1      | 1.3      | 2.3      | 0.05     | 0.005                 |        |
| その他の項目       | 全窒素                          | 3        | 8         | 3        | 3        | 5        | 4       | 3        | 4        | 4        | 3        | 4        | 3        | -                     | 1      |
|              | 全燐                           | ND       | ND        | ND       | ND       | ND       | ND      | ND       | ND       | ND       | ND       | ND       | ND       | -                     | 0.1    |
|              | 塩化物イオン                       | 603      | 967       | 585      | 773      | 330      | 390     | 447      | 430      | 425      | 457      | 460      | 340      | -                     | 1      |
|              | 電気伝導率                        | 272      | 336       | 249      | 264      | 195      | 197     | 194      | 183      | 210      | 203      | 190      | 170      | -                     | 0.1    |
|              | ニッケル                         | ND       | ND        | ND       | ND       | ND       | ND      | ND       | ND       | ND       | ND       | ND       | ND       | -                     | 0.05   |
|              | モリブデン                        | ND       | ND        | ND       | ND       | ND       | ND      | ND       | ND       | ND       | ND       | ND       | ND       | -                     | 0.007  |
|              | アンチモン                        | ND       | ND        | ND       | 0.002    | ND       | ND      | ND       | ND       | ND       | ND       | ND       | ND       | -                     | 0.001  |
| フタル酸ジエチルヘキシル | ND                           | ND       | ND        | ND       | ND       | ND       | ND      | ND       | ND       | ND       | ND       | ND       | -        | 0.006                 |        |

(注1)単位は、pH(-)、大腸菌群数(MPN/100ml)、電気伝導率(mS/m)を除いて、mg/Lである。

(注2)ND：検出せず

(注3)下線は地下水の環境基準を超過しているもの。

(注4)環境省通知に基づき、環境基準を変更した。(平成22年1月調査までの環境基準値は0.02mg/Lである。)

(注5)環境省通知に基づき、シス体及びトランス体を合わせて1つの地下水環境基準項目となったため、名称を変更した。(平成22年1月調査までは、シス体のみ調査を実施した。)

(注6)環境省通知に基づき、環境基準を変更した。(平成24年1月調査までの環境基準値は0.01mg/Lである。)

(注7)環境省通知に基づき、環境基準を変更した。(平成26年7月調査までの環境基準値は0.03mg/Lである。)

(注8)環境省通知に基づき、名称を変更した。(平成29年3月調査までは塩化ビニルモノマーである。)

表3 地下水調査結果（F1西地点の推移）

| 調査地点         |                              | F1西          |              |         |              |         |          |          |          |         |          |         |           |         |          |              |           |         |          |          |           |              |              | 地下水の環境基準              | 検出下限                 |        |
|--------------|------------------------------|--------------|--------------|---------|--------------|---------|----------|----------|----------|---------|----------|---------|-----------|---------|----------|--------------|-----------|---------|----------|----------|-----------|--------------|--------------|-----------------------|----------------------|--------|
| 調査年月日        |                              | H15.2.6      | H16.2.5      | H17.2.7 | H18.2.28     | H19.2.1 | H20.2.13 | H21.2.17 | H22.2.16 | H23.2.9 | H23.6.14 | H23.8.3 | H23.11.22 | H24.2.1 | H24.5.16 | H24.8.1      | H24.11.19 | H25.2.5 | H25.5.22 | H25.7.22 | H25.11.13 | H26.2.17     | H26.5.13     |                       |                      |        |
| 一般項目         | pH                           | 7.0          | 7.0          | 7.0     | 6.9          | 7.3     | 6.9      | 7.2      | 7.7      | 6.8     | 6.9      | 6.9     | 7.2       | 6.9     | 6.8      | 6.8          | 7.1       | 7.1     | 6.7      | 6.7      | 7.1       | 6.9          | 7.1          | -                     | -                    |        |
|              | BOD                          | 3.9          | 6.6          | 1.0     | 2.7          | 0.5     | 1.6      | 1.7      | 1.1      | 0.9     | ND       | ND      | 0.7       | 0.6     | ND       | ND           | ND        | 2.1     | 1.7      | 0.5      | 0.6       | ND           | ND           | -                     | 0.5                  |        |
|              | COD                          | 5.4          | 7.9          | 1.7     | 2.4          | 2.4     | 2.7      | 2.3      | 0.9      | 1.8     | 2.8      | 1.9     | 1.9       | 1.9     | 2.0      | 3.0          | 2.2       | 0.9     | 7.8      | 6.1      | 1.7       | 5.0          | 2.6          | -                     | 0.5                  |        |
|              | 大腸菌群数                        | 22           | 4.5          | 2.0     | 22           | 33      | 3.7      | 7.8      | 2.0      | ND      | 13       | 22      | 540       | 7.8     | 11       | 11           | 70        | ND      | 69       | 33       | ND        | 7.8          | ND           | -                     | -                    |        |
|              | 油分                           | ND           | ND           | ND      | ND           | ND      | ND       | ND       | ND       | ND      | ND       | ND      | ND        | ND      | ND       | ND           | ND        | ND      | ND       | ND       | ND        | ND           | 0.5          | ND                    | -                    | 0.5    |
| 健康項目         | カドミウム                        | ND           | ND           | ND      | ND           | ND      | ND       | ND       | ND       | ND      | ND       | ND      | ND        | ND      | ND       | ND           | ND        | ND      | ND       | ND       | ND        | ND           | 0.0004       | 0.003 <sup>(注6)</sup> | 0.0003               |        |
|              | 全シアン                         | ND           | ND           | ND      | ND           | ND      | ND       | ND       | ND       | ND      | ND       | ND      | ND        | ND      | ND       | ND           | ND        | ND      | ND       | ND       | ND        | ND           | ND           | ND                    | 0.1                  |        |
|              | 有機燐                          | ND           | ND           | ND      | ND           | ND      | ND       | ND       | ND       | ND      | ND       | ND      | ND        | ND      | ND       | ND           | ND        | ND      | ND       | ND       | ND        | ND           | ND           | ND                    | -                    | 0.1    |
|              | 鉛                            | <u>0.024</u> | ND           | 0.007   | ND           | ND      | ND       | ND       | ND       | ND      | ND       | ND      | ND        | ND      | ND       | ND           | ND        | ND      | ND       | ND       | ND        | ND           | ND           | ND                    | 0.01                 | 0.005  |
|              | 六価クロム                        | ND           | ND           | ND      | ND           | ND      | ND       | ND       | ND       | ND      | ND       | ND      | ND        | ND      | ND       | ND           | ND        | ND      | ND       | ND       | ND        | ND           | ND           | ND                    | 0.05                 | 0.05   |
|              | 砒素                           | <u>0.016</u> | <u>0.016</u> | ND      | <u>0.013</u> | ND      | 0.010    | ND       | 0.008    | ND      | ND       | ND      | ND        | ND      | 0.007    | <u>0.012</u> | 0.008     | ND      | ND       | 0.008    | ND        | <u>0.016</u> | 0.009        | 0.01                  | 0.005                |        |
|              | 総水銀                          | ND           | ND           | ND      | ND           | ND      | ND       | ND       | ND       | ND      | ND       | ND      | ND        | ND      | ND       | ND           | ND        | ND      | ND       | ND       | ND        | ND           | ND           | ND                    | 0.0005               | 0.0005 |
|              | アルキル水銀                       | ND           | ND           | ND      | ND           | ND      | ND       | ND       | ND       | ND      | ND       | ND      | ND        | ND      | ND       | ND           | ND        | ND      | ND       | ND       | ND        | ND           | ND           | ND                    | ND                   | 0.0005 |
|              | PCB                          | ND           | ND           | ND      | ND           | ND      | ND       | ND       | ND       | ND      | ND       | ND      | ND        | ND      | ND       | ND           | ND        | ND      | ND       | ND       | ND        | ND           | ND           | ND                    | ND                   | 0.0005 |
|              | ジクロロメタン                      | ND           | ND           | ND      | ND           | ND      | ND       | ND       | ND       | ND      | ND       | ND      | ND        | ND      | ND       | ND           | ND        | ND      | ND       | ND       | ND        | ND           | ND           | ND                    | 0.02                 | 0.002  |
|              | 四塩化炭素                        | ND           | ND           | ND      | ND           | ND      | ND       | ND       | ND       | ND      | ND       | ND      | ND        | ND      | ND       | ND           | ND        | ND      | ND       | ND       | ND        | ND           | ND           | ND                    | 0.002                | 0.0002 |
|              | クロロエチレン <sup>(注8)</sup>      | —            | —            | —       | —            | —       | —        | —        | —        | —       | ND       | ND      | ND        | ND      | ND       | 0.0013       | ND        | ND      | ND       | ND       | ND        | ND           | 0.0006       | 0.002                 | 0.0002               |        |
|              | 1,2-ジクロロエタン                  | ND           | ND           | ND      | ND           | ND      | ND       | ND       | ND       | ND      | ND       | ND      | ND        | ND      | ND       | ND           | ND        | ND      | ND       | ND       | ND        | ND           | ND           | ND                    | 0.004                | 0.0004 |
|              | 1,1-ジクロロエチレン                 | ND           | ND           | ND      | ND           | ND      | ND       | ND       | ND       | ND      | ND       | ND      | ND        | ND      | ND       | ND           | ND        | ND      | ND       | ND       | ND        | ND           | ND           | ND                    | 0.1 <sup>(注4)</sup>  | 0.002  |
|              | 1,2-ジクロロエチレン <sup>(注5)</sup> | ND           | ND           | ND      | ND           | ND      | ND       | ND       | ND       | ND      | ND       | ND      | ND        | ND      | ND       | ND           | ND        | ND      | ND       | ND       | ND        | ND           | ND           | ND                    | 0.04                 | 0.004  |
|              | 1,1,1-トリクロロエタン               | ND           | ND           | ND      | ND           | ND      | ND       | ND       | ND       | ND      | ND       | ND      | ND        | ND      | ND       | ND           | ND        | ND      | ND       | ND       | ND        | ND           | ND           | ND                    | 1                    | 0.0005 |
|              | 1,1,2-トリクロロエタン               | ND           | ND           | ND      | ND           | ND      | ND       | ND       | ND       | ND      | ND       | ND      | ND        | ND      | ND       | ND           | ND        | ND      | ND       | ND       | ND        | ND           | ND           | ND                    | 0.006                | 0.0006 |
|              | トリクロロエチレン                    | ND           | ND           | ND      | ND           | ND      | ND       | ND       | ND       | ND      | ND       | ND      | ND        | ND      | ND       | 0.007        | ND        | ND      | ND       | ND       | ND        | ND           | ND           | <u>0.011</u>          | 0.01 <sup>(注7)</sup> | 0.001  |
|              | テトラクロロエチレン                   | ND           | ND           | ND      | ND           | ND      | ND       | ND       | ND       | ND      | ND       | ND      | ND        | ND      | ND       | ND           | ND        | ND      | ND       | ND       | ND        | ND           | ND           | ND                    | 0.01                 | 0.0005 |
|              | 1,3-ジクロロプロパン                 | ND           | ND           | ND      | ND           | ND      | ND       | ND       | ND       | ND      | ND       | ND      | ND        | ND      | ND       | ND           | ND        | ND      | ND       | ND       | ND        | ND           | ND           | ND                    | 0.002                | 0.0002 |
|              | チウラム                         | ND           | ND           | ND      | ND           | ND      | ND       | ND       | ND       | ND      | ND       | ND      | ND        | ND      | ND       | ND           | ND        | ND      | ND       | ND       | ND        | ND           | ND           | ND                    | 0.006                | 0.001  |
|              | シマジン                         | ND           | ND           | ND      | ND           | ND      | ND       | ND       | ND       | ND      | ND       | ND      | ND        | ND      | ND       | ND           | ND        | ND      | ND       | ND       | ND        | ND           | ND           | ND                    | 0.003                | 0.0003 |
|              | チオベンカルブ                      | ND           | ND           | ND      | ND           | ND      | ND       | ND       | ND       | ND      | ND       | ND      | ND        | ND      | ND       | ND           | ND        | ND      | ND       | ND       | ND        | ND           | ND           | ND                    | 0.02                 | 0.002  |
|              | ベンゼン                         | ND           | ND           | ND      | ND           | ND      | ND       | ND       | ND       | ND      | ND       | ND      | ND        | ND      | ND       | 0.010        | ND        | ND      | ND       | 0.001    | ND        | 0.010        | <u>0.012</u> | 0.01                  | 0.001                |        |
|              | セレン                          | ND           | ND           | 0.010   | ND           | ND      | ND       | ND       | ND       | ND      | ND       | ND      | ND        | ND      | ND       | ND           | ND        | ND      | ND       | ND       | ND        | ND           | ND           | ND                    | 0.01                 | 0.005  |
|              | 硝酸性窒素及び亜硝酸性窒素                | ND           | ND           | ND      | ND           | ND      | ND       | ND       | ND       | ND      | ND       | ND      | ND        | ND      | ND       | ND           | ND        | ND      | ND       | ND       | ND        | ND           | ND           | ND                    | 10                   | 10     |
|              | フッ素                          | ND           | ND           | ND      | <u>0.9</u>   | ND      | ND       | ND       | ND       | ND      | ND       | ND      | ND        | ND      | ND       | ND           | ND        | ND      | ND       | ND       | ND        | ND           | ND           | ND                    | 0.8                  | 0.8    |
| ホウ素          | 0.6                          | 0.6          | 0.5          | 0.5     | 0.5          | 0.4     | 0.4      | 0.4      | 0.4      | 0.4     | 0.5      | 0.5     | 0.9       | 0.5     | 0.5      | 0.5          | 0.5       | 0.4     | 0.4      | 0.4      | 0.5       | 0.3          | 0.4          | 1                     | 0.1                  |        |
| 1,4-ジオキサン    | —                            | —            | —            | —       | —            | —       | —        | —        | —        | ND      | 0.008    | ND      | ND        | 0.006   | ND       | 0.010        | 0.010     | 0.010   | 0.020    | 0.023    | ND        | 0.017        | 0.027        | 0.05                  | 0.005                |        |
| その他の項目       | 全窒素                          | 1            | 4            | ND      | ND           | 1       | ND       | ND       | ND       | ND      | ND       | 1.6     | 1.2       | 1.2     | 4        | ND           | ND        | ND      | ND       | ND       | ND        | ND           | ND           | -                     | 1                    |        |
|              | 全燐                           | ND           | ND           | ND      | 0.2          | ND      | ND       | ND       | ND       | ND      | ND       | ND      | ND        | ND      | ND       | ND           | ND        | ND      | ND       | ND       | ND        | ND           | ND           | -                     | 0.1                  |        |
|              | 塩化物イオン                       | 230          | 230          | 220     | 216          | 223     | 274      | 241      | 250      | 270     | 360      | 248     | 252       | 285     | 331      | 342          | 328       | 338     | 436      | 426      | 280       | 314          | 309          | -                     | 1                    |        |
|              | 電気伝導率                        | 98.6         | 94           | 94.6    | 90           | 83.7    | 53.4     | 47.3     | 49       | 110     | 136      | 102     | 109       | 115     | 130      | 133          | 118       | 133     | 168      | 176      | 100       | 127          | 117          | -                     | 0.1                  |        |
|              | ニッケル                         | ND           | ND           | ND      | ND           | ND      | ND       | ND       | ND       | ND      | ND       | ND      | ND        | ND      | ND       | ND           | ND        | ND      | ND       | ND       | ND        | ND           | ND           | ND                    | -                    | 0.05   |
|              | モリブデン                        | ND           | ND           | ND      | ND           | ND      | ND       | ND       | ND       | ND      | ND       | ND      | ND        | ND      | ND       | ND           | ND        | ND      | ND       | ND       | ND        | ND           | ND           | ND                    | -                    | 0.007  |
|              | アンチモン                        | ND           | 0.001        | 0.001   | ND           | ND      | ND       | ND       | ND       | ND      | ND       | ND      | ND        | ND      | 0.001    | ND           | ND        | ND      | ND       | ND       | ND        | ND           | ND           | ND                    | -                    | 0.001  |
| フタル酸ジエチルヘキシル | ND                           | ND           | 0.033        | 0.030   | ND           | ND      | ND       | ND       | ND       | ND      | ND       | ND      | ND        | ND      | ND       | ND           | ND        | ND      | ND       | ND       | ND        | ND           | ND           | -                     | 0.006                |        |

(注1)単位は、pH(-)、大腸菌群数(MPN/100ml)、電気伝導率(mS/m)を除いて、mg/Lである。

(注2)ND：検出せず

(注3)下線は地下水の環境基準を超過しているもの。

(注4)環境省通知に基づき、環境基準を変更した。(平成22年1月調査までの環境基準値は0.02mg/Lである。)

(注5)環境省通知に基づき、シス体及びトランス体を合わせて1つの地下水環境基準項目となったため、名称を変更した。(平成22年1月調査までは、シス体のみ調査を実施した。)

(注6)環境省通知に基づき、環境基準を変更した。(平成24年1月調査までの環境基準値は0.01mg/Lである。)

(注7)環境省通知に基づき、環境基準を変更した。(平成26年7月調査までの環境基準値は0.03mg/Lである。)

(注8)環境省通知に基づき、名称を変更した。(平成29年3月調査までは塩化ビニルモノマーである。)

表3 地下水調査結果 (F1西地点の推移)

| 調査地点          |                              | F1西      |           |          |          |          |           |         |          |          |          |          |          |          | 地下水の<br>環境基準          | 検出<br>下限 |
|---------------|------------------------------|----------|-----------|----------|----------|----------|-----------|---------|----------|----------|----------|----------|----------|----------|-----------------------|----------|
| 調査年月日         |                              | H26.7.22 | H26.11.25 | H27.2.16 | H27.5.19 | H27.7.27 | H27.11.24 | H28.2.9 | H28.5.24 | H28.7.26 | H28.11.8 | H29.1.31 | H29.5.23 | H29.7.26 |                       |          |
| 一般項目          | pH                           | 6.7      | 6.7       | 6.7      | 6.4      | 6.7      | 6.8       | 6.8     | 6.7      | 6.6      | 6.7      | 6.9      | 6.7      | 6.6      | -                     | -        |
|               | BOD                          | ND       | 0.6       | 1.3      | ND       | 0.7      | ND        | 1.3     | 0.8      | 0.8      | 1.4      | 1.8      | 4.9      | 7.7      | -                     | 0.5      |
|               | COD                          | 8.0      | 10        | 5.8      | 6.9      | 6.4      | 7.2       | 6.5     | 7.4      | 6.3      | 7.4      | 7.7      | 8.8      | 7.2      | -                     | 0.5      |
|               | 大腸菌群数                        | ND       | 7.8       | ND       | ND       | 2.0      | 7.8       | 2.0     | 13       | 79       | ND       | ND       | ND       | ND       | -                     | 1        |
|               | 油分                           | ND       | 0.5       | ND       | ND       | ND       | 1.2       | ND      | 0.7      | ND       | 0.9      | ND       | 1.5      | ND       | -                     | 0.5      |
| 健康項目          | カドミウム                        | ND       | ND        | ND       | ND       | ND       | ND        | ND      | ND       | ND       | ND       | ND       | ND       | ND       | 0.003 <sup>(注6)</sup> | 0.0003   |
|               | 全リン                          | ND       | ND        | ND       | ND       | ND       | ND        | ND      | ND       | ND       | ND       | ND       | ND       | ND       | ND                    | 0.1      |
|               | 有機燐                          | ND       | ND        | ND       | ND       | ND       | ND        | ND      | ND       | ND       | ND       | ND       | ND       | ND       | -                     | 0.1      |
|               | 鉛                            | ND       | ND        | ND       | ND       | ND       | ND        | ND      | 0.012    | ND       | ND       | ND       | ND       | ND       | 0.01                  | 0.005    |
|               | 六価クロム                        | ND       | ND        | ND       | ND       | ND       | ND        | ND      | ND       | ND       | ND       | ND       | ND       | ND       | 0.05                  | 0.05     |
|               | 砒素                           | 0.019    | 0.011     | 0.011    | 0.020    | 0.024    | 0.030     | 0.039   | 0.038    | 0.030    | 0.033    | 0.045    | 0.048    | 0.040    | 0.01                  | 0.005    |
|               | 総水銀                          | ND       | ND        | ND       | ND       | ND       | ND        | ND      | ND       | ND       | ND       | ND       | ND       | ND       | 0.0005                | 0.0005   |
|               | アルキル水銀                       | ND       | ND        | ND       | ND       | ND       | ND        | ND      | ND       | ND       | ND       | ND       | ND       | ND       | ND                    | 0.0005   |
|               | PCB                          | ND       | ND        | ND       | ND       | ND       | ND        | ND      | ND       | ND       | ND       | ND       | ND       | ND       | ND                    | 0.0005   |
|               | ジクロロメタン                      | ND       | ND        | ND       | ND       | ND       | ND        | ND      | ND       | ND       | ND       | ND       | ND       | ND       | 0.02                  | 0.002    |
|               | 四塩化炭素                        | ND       | ND        | ND       | ND       | ND       | ND        | ND      | ND       | ND       | ND       | ND       | ND       | ND       | 0.002                 | 0.0002   |
|               | クロロエチレン <sup>(注8)</sup>      | 0.0003   | ND        | ND       | 0.0005   | ND       | ND        | 0.0006  | ND       | ND       | ND       | 0.0002   | 0.0002   | 0.0002   | 0.002                 | 0.0002   |
|               | 1,2-ジクロロエタン                  | ND       | ND        | ND       | ND       | ND       | ND        | ND      | ND       | ND       | ND       | ND       | ND       | ND       | 0.004                 | 0.0004   |
|               | 1,1-ジクロロエチレン                 | ND       | ND        | ND       | ND       | ND       | ND        | ND      | ND       | ND       | ND       | ND       | ND       | ND       | 0.1 <sup>(注4)</sup>   | 0.002    |
|               | 1,2-ジクロロエチレン <sup>(注5)</sup> | 0.006    | ND        | 0.011    | 0.019    | ND       | ND        | 0.012   | ND       | ND       | ND       | ND       | ND       | ND       | 0.04                  | 0.004    |
|               | 1,1,1-トリクロロエタン               | ND       | ND        | ND       | ND       | ND       | ND        | ND      | ND       | ND       | ND       | ND       | ND       | ND       | 1                     | 0.0005   |
|               | 1,1,2-トリクロロエタン               | ND       | ND        | ND       | ND       | ND       | ND        | ND      | ND       | ND       | ND       | ND       | ND       | ND       | 0.006                 | 0.0006   |
|               | トリクロロエチレン                    | 0.033    | 0.006     | 0.031    | 0.021    | 0.002    | ND        | 0.009   | ND       | 0.003    | ND       | 0.003    | 0.001    | 0.001    | 0.01 <sup>(注7)</sup>  | 0.001    |
|               | テトラクロロエチレン                   | ND       | ND        | ND       | ND       | ND       | ND        | ND      | ND       | ND       | ND       | ND       | ND       | ND       | 0.01                  | 0.0005   |
|               | 1,3-ジクロロプロペン                 | ND       | ND        | ND       | ND       | ND       | ND        | ND      | ND       | ND       | ND       | ND       | ND       | ND       | 0.002                 | 0.0002   |
|               | チウラム                         | ND       | ND        | ND       | ND       | ND       | ND        | ND      | ND       | ND       | ND       | ND       | ND       | ND       | 0.006                 | 0.001    |
|               | シマジン                         | ND       | ND        | ND       | ND       | ND       | ND        | ND      | ND       | ND       | ND       | ND       | ND       | ND       | 0.003                 | 0.0003   |
|               | チオヘンカルブ                      | ND       | ND        | ND       | ND       | ND       | ND        | ND      | ND       | ND       | ND       | ND       | ND       | ND       | 0.02                  | 0.002    |
| ベンゼン          | 0.007                        | 0.006    | 0.012     | 0.015    | 0.001    | 0.001    | 0.012     | ND      | ND       | ND       | ND       | ND       | ND       | 0.01     | 0.001                 |          |
| セレン           | ND                           | ND       | ND        | ND       | ND       | ND       | ND        | ND      | ND       | ND       | ND       | ND       | ND       | 0.01     | 0.005                 |          |
| 硝酸性窒素及び亜硝酸性窒素 | ND                           | ND       | ND        | ND       | ND       | ND       | ND        | ND      | ND       | ND       | ND       | ND       | ND       | 10       | 10                    |          |
| フッ素           | ND                           | ND       | ND        | ND       | ND       | ND       | ND        | ND      | ND       | ND       | ND       | ND       | ND       | 0.8      | 0.8                   |          |
| ホウ素           | 0.5                          | 0.3      | 0.5       | 0.4      | 0.4      | 0.4      | 0.4       | 0.4     | 0.4      | 0.4      | 0.4      | 0.4      | 0.5      | 0.5      | 1                     | 0.1      |
| 1,4-ジオキサン     | 0.045                        | 0.025    | 0.026     | 0.039    | 0.027    | 0.025    | 0.019     | 0.029   | 0.026    | 0.033    | 0.028    | 0.034    | 0.053    | 0.05     | 0.005                 |          |
| その他の項目        | 全窒素                          | ND       | ND        | ND       | ND       | ND       | ND        | ND      | ND       | ND       | ND       | ND       | ND       | ND       | -                     | 1        |
|               | 全燐                           | ND       | ND        | ND       | ND       | ND       | ND        | ND      | ND       | ND       | ND       | ND       | ND       | ND       | -                     | 0.1      |
|               | 塩化物イオン                       | 539      | 456       | 522      | 545      | 554      | 539       | 496     | 555      | 498      | 588      | 584      | 660      | 540      | -                     | 1        |
|               | 電気伝導率                        | 207      | 174       | 193      | 197      | 204      | 202       | 191     | 205      | 181      | 220      | 208      | 200      | 194      | -                     | 0.1      |
|               | ニッケル                         | ND       | ND        | ND       | ND       | ND       | ND        | ND      | ND       | ND       | ND       | ND       | ND       | ND       | -                     | 0.05     |
|               | モリブデン                        | ND       | ND        | ND       | ND       | ND       | ND        | ND      | ND       | ND       | ND       | ND       | ND       | ND       | -                     | 0.007    |
|               | アンチモン                        | ND       | ND        | ND       | ND       | 0.001    | ND        | ND      | ND       | ND       | ND       | ND       | ND       | ND       | -                     | 0.001    |
| フタル酸ジエチルヘキシル  | ND                           | ND       | ND        | ND       | ND       | ND       | ND        | ND      | ND       | ND       | ND       | ND       | ND       | -        | 0.006                 |          |

(注1)単位は、pH(-)、大腸菌群数(MPN/100ml)、電気伝導率(mS/m)を除いて、mg/Lである。

(注2)ND：検出せず

(注3)下線は地下水の環境基準を超過しているもの。

(注4)環境省通知に基づき、環境基準を変更した。(平成22年1月調査までの環境基準値は0.02mg/Lである。)

(注5)環境省通知に基づき、シス体及びトランス体を合わせて1つの地下水環境基準項目となったため、名称を変更した。(平成22年1月調査までは、シス体のみ調査を実施した。)

(注6)環境省通知に基づき、環境基準を変更した。(平成24年1月調査までの環境基準値は0.01mg/Lである。)

(注7)環境省通知に基づき、環境基準を変更した。(平成26年7月調査までの環境基準値は0.03mg/Lである。)

(注8)環境省通知に基づき、名称を変更した。(平成29年3月調査までは塩化ビニルモノマーである。)

表4 地下水調査結果

| 調査地点          |                         | C 1 北       |              |              |               |             |             |             |             |              | C 1 南        |              |               |              |              |               |              |              |              | 地下水の                 | 検出     |        |
|---------------|-------------------------|-------------|--------------|--------------|---------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|---------------|--------------|--------------|---------------|--------------|--------------|--------------|----------------------|--------|--------|
| 調査年月日         |                         | H25. 7. 24  | H26. 2. 18   | H26. 7. 22   | H27. 2. 25    | H27. 7. 21  | H28. 2. 1   | H28. 7. 25  | H29. 1. 30  | H29. 8. 9    | H25. 7. 24   | H26. 2. 18   | H26. 7. 22    | H27. 2. 25   | H27. 7. 21   | H28. 2. 1     | H28. 7. 25   | H29. 1. 30   | H29. 8. 9    | 環境基準                 | 下限     |        |
| 一般項目          | pH                      | 6.9         | 6.7          | 6.9          | 6.9           | 6.9         | 7.0         | 6.9         | 7.0         | 7.0          | 5.5          | 5.2          | 4.7           | 5.5          | 5.4          | 5.6           | 5.7          | 5.6          | 5.7          | -                    | -      |        |
|               | BOD                     | 6.6         | 4.7          | 13           | 4.5           | 12          | 27          | 32          | 12          | 21           | ND           | ND           | ND            | ND           | ND           | 1.0           | ND           | ND           | 1.9          | -                    | 0.5    |        |
|               | COD                     | 160         | 130          | 130          | 130           | 130         | 130         | 150         | 150         | 140          | 7.1          | 7.7          | 5.8           | 5.5          | 5.1          | 4.3           | 4.3          | 4.1          | 4.1          | -                    | 0.5    |        |
|               | 大腸菌群数                   | ND          | ND           | ND           | ND            | 13          | ND          | ND          | ND          | 790          | ND           | ND           | ND            | ND           | ND           | ND            | 5.5          | ND           | 7.8          | -                    | -      |        |
|               | 油分                      | 1.5         | 2.4          | 1.8          | 1.8           | 1.7         | 2.4         | 2.3         | 2.3         | 2.2          | ND           | 0.7          | ND            | ND           | ND           | 1.2           | 0.5          | ND           | ND           | -                    | 0.5    |        |
| 健康項目          | カドミウム                   | 0.0012      | 0.0008       | ND           | ND            | ND          | ND          | ND          | ND          | ND           | 0.0011       | 0.0009       | 0.0028        | 0.0007       | 0.0012       | 0.0010        | 0.0004       | 0.0015       | 0.0017       | 0.003                | 0.0003 |        |
|               | 全シアン                    | ND          | ND           | ND           | ND            | ND          | ND          | ND          | ND          | ND           | ND           | ND           | ND            | ND           | ND           | ND            | ND           | ND           | ND           | ND                   | ND     | 0.1    |
|               | 有機燐                     | ND          | ND           | ND           | ND            | ND          | ND          | ND          | ND          | ND           | ND           | ND           | ND            | ND           | ND           | ND            | ND           | ND           | ND           | ND                   | -      | 0.1    |
|               | 鉛                       | ND          | ND           | ND           | ND            | ND          | ND          | ND          | ND          | ND           | ND           | ND           | ND            | ND           | ND           | ND            | ND           | ND           | ND           | ND                   | 0.01   | 0.005  |
|               | 六価クロム                   | ND          | ND           | ND           | ND            | ND          | ND          | ND          | ND          | ND           | ND           | ND           | ND            | ND           | ND           | ND            | ND           | ND           | ND           | ND                   | 0.05   | 0.05   |
|               | 砒素                      | ND          | ND           | ND           | ND            | ND          | ND          | ND          | ND          | ND           | ND           | ND           | ND            | ND           | ND           | ND            | ND           | ND           | ND           | ND                   | 0.01   | 0.005  |
|               | 総水銀                     | ND          | ND           | ND           | ND            | ND          | ND          | ND          | ND          | ND           | ND           | ND           | ND            | ND           | ND           | ND            | ND           | ND           | ND           | ND                   | 0.0005 | 0.0005 |
|               | アルキル水銀                  | ND          | ND           | ND           | ND            | ND          | ND          | ND          | ND          | ND           | ND           | ND           | ND            | ND           | ND           | ND            | ND           | ND           | ND           | ND                   | ND     | 0.0005 |
|               | PCB                     | ND          | ND           | ND           | ND            | ND          | ND          | ND          | ND          | ND           | ND           | ND           | ND            | ND           | ND           | ND            | ND           | ND           | ND           | ND                   | ND     | 0.0005 |
|               | ジクロロメタン                 | ND          | ND           | ND           | ND            | ND          | ND          | ND          | ND          | ND           | ND           | ND           | ND            | ND           | ND           | ND            | ND           | ND           | ND           | ND                   | 0.02   | 0.002  |
|               | 四塩化炭素                   | ND          | ND           | ND           | ND            | ND          | ND          | ND          | ND          | ND           | ND           | ND           | ND            | ND           | ND           | ND            | ND           | ND           | ND           | ND                   | 0.002  | 0.0002 |
|               | クロロエチレン <sup>(注5)</sup> | 0.0003      | ND           | 0.0003       | <u>0.0045</u> | 0.0002      | ND          | ND          | 0.0002      | 0.0002       | ND           | <u>0.010</u> | <u>0.0036</u> | <u>0.011</u> | 0.0013       | <u>0.0091</u> | <u>0.015</u> | <u>0.012</u> | <u>0.016</u> | 0.002                | 0.0002 |        |
|               | 1,2-ジクロロエタン             | ND          | ND           | ND           | ND            | ND          | ND          | ND          | ND          | ND           | ND           | ND           | ND            | ND           | ND           | ND            | ND           | ND           | ND           | ND                   | 0.004  | 0.0004 |
|               | 1,1-ジクロロエチレン            | ND          | ND           | ND           | ND            | ND          | ND          | ND          | ND          | ND           | ND           | ND           | ND            | ND           | ND           | ND            | ND           | ND           | ND           | ND                   | 0.1    | 0.002  |
|               | 1,2-ジクロロエチレン            | ND          | 0.004        | 0.005        | <u>0.095</u>  | ND          | 0.005       | ND          | ND          | ND           | <u>0.088</u> | <u>0.088</u> | <u>0.041</u>  | <u>0.12</u>  | <u>0.086</u> | <u>0.076</u>  | <u>0.11</u>  | <u>0.080</u> | <u>0.11</u>  | 0.04                 | 0.004  |        |
|               | 1,1,1-トリクロロエタン          | ND          | ND           | ND           | ND            | ND          | ND          | ND          | ND          | ND           | ND           | ND           | ND            | ND           | ND           | ND            | ND           | ND           | ND           | ND                   | 1      | 0.0005 |
|               | 1,1,2-トリクロロエタン          | ND          | ND           | ND           | ND            | ND          | ND          | ND          | ND          | ND           | 0.0015       | 0.0007       | 0.0009        | 0.0009       | 0.0007       | 0.0006        | 0.0010       | 0.0007       | 0.0011       | 0.006                | 0.0006 |        |
|               | トリクロロエチレン               | ND          | 0.009        | <u>0.017</u> | <u>0.093</u>  | 0.001       | 0.003       | ND          | ND          | ND           | <u>0.25</u>  | <u>0.28</u>  | <u>0.13</u>   | <u>0.33</u>  | <u>0.30</u>  | <u>0.24</u>   | <u>0.37</u>  | <u>0.26</u>  | <u>0.40</u>  | 0.01 <sup>(注4)</sup> | 0.002  |        |
|               | テトラクロロエチレン              | ND          | ND           | ND           | ND            | ND          | ND          | ND          | ND          | ND           | ND           | ND           | ND            | ND           | ND           | ND            | ND           | ND           | ND           | ND                   | 0.01   | 0.0005 |
|               | 1,3-ジクロロプロパン            | ND          | ND           | ND           | ND            | ND          | ND          | ND          | ND          | ND           | ND           | ND           | ND            | ND           | ND           | ND            | ND           | ND           | ND           | ND                   | 0.002  | 0.0002 |
|               | チウラム                    | ND          | ND           | ND           | ND            | ND          | ND          | ND          | ND          | ND           | ND           | ND           | ND            | ND           | ND           | ND            | ND           | ND           | ND           | ND                   | 0.006  | 0.001  |
|               | シマジン                    | ND          | ND           | ND           | ND            | ND          | ND          | ND          | ND          | ND           | ND           | ND           | ND            | ND           | ND           | ND            | ND           | ND           | ND           | ND                   | 0.003  | 0.0003 |
|               | チオベンカルブ                 | ND          | ND           | ND           | ND            | ND          | ND          | ND          | ND          | ND           | ND           | ND           | ND            | ND           | ND           | ND            | ND           | ND           | ND           | ND                   | 0.02   | 0.002  |
| ベンゼン          | <u>0.099</u>            | <u>0.10</u> | <u>0.085</u> | <u>0.14</u>  | <u>0.11</u>   | <u>0.10</u> | <u>0.14</u> | <u>0.12</u> | <u>0.18</u> | <u>0.023</u> | <u>0.024</u> | <u>0.019</u> | <u>0.049</u>  | <u>0.022</u> | <u>0.022</u> | <u>0.032</u>  | <u>0.014</u> | <u>0.022</u> | 0.01         | 0.001                |        |        |
| セレン           | ND                      | ND          | ND           | ND           | ND            | ND          | ND          | ND          | ND          | ND           | ND           | ND           | ND            | ND           | ND           | ND            | ND           | ND           | ND           | 0.01                 | 0.005  |        |
| 硝酸性窒素及び亜硝酸性窒素 | ND                      | ND          | ND           | ND           | ND            | ND          | ND          | ND          | ND          | ND           | ND           | ND           | ND            | ND           | ND           | ND            | ND           | ND           | ND           | 10                   | 10     |        |
| フッ素           | ND                      | ND          | ND           | ND           | ND            | ND          | ND          | ND          | ND          | ND           | ND           | ND           | ND            | ND           | ND           | ND            | ND           | ND           | ND           | 0.8                  | 0.8    |        |
| 鈎素            | <u>7.2</u>              | <u>6.5</u>  | <u>7.3</u>   | <u>7.1</u>   | <u>7.6</u>    | <u>8.4</u>  | <u>7.8</u>  | <u>8.1</u>  | <u>7.9</u>  | 0.1          | 0.2          | 0.1          | 0.2           | 0.1          | 0.1          | 0.1           | 0.1          | 0.1          | 0.1          | 1                    | 0.1    |        |
| 1,4-ジオキサン     | <u>0.73</u>             | <u>0.99</u> | <u>0.78</u>  | <u>0.69</u>  | <u>0.60</u>   | <u>0.44</u> | <u>0.78</u> | <u>0.51</u> | <u>0.65</u> | <u>0.13</u>  | <u>0.20</u>  | <u>0.13</u>  | <u>0.16</u>   | <u>0.16</u>  | <u>0.12</u>  | <u>0.24</u>   | <u>0.14</u>  | <u>0.20</u>  | 0.05         | 0.005                |        |        |
| その他の項目        | 全窒素                     | 23          | 18           | 11           | 12            | 14          | 12          | 12          | 13          | 40           | ND           | ND           | ND            | ND           | ND           | ND            | ND           | 1            | ND           | -                    | 1      |        |
|               | 全燐                      | 0.3         | 0.2          | 0.3          | 0.2           | 0.3         | 0.2         | 0.2         | 0.2         | 0.2          | ND           | ND           | ND            | ND           | ND           | ND            | ND           | ND           | ND           | -                    | 0.1    |        |
|               | 塩化物イオン                  | 1850        | 1880         | 1690         | 1630          | 1640        | 1650        | 1580        | 1430        | 1310         | 4890         | 5340         | 5350          | 5320         | 5250         | 5220          | 5320         | 5200         | 5040         | -                    | 1      |        |
|               | 電気伝導率                   | 727         | 719          | 714          | 677           | 664         | 670         | 625         | 617         | 552          | 1360         | 1440         | 1460          | 1510         | 1400         | 1390          | 1270         | 1430         | 1260         | -                    | 0.1    |        |
|               | ニッケル                    | ND          | ND           | ND           | ND            | ND          | ND          | ND          | ND          | ND           | ND           | ND           | ND            | ND           | ND           | ND            | ND           | ND           | ND           | ND                   | -      | 0.05   |
|               | モリブデン                   | ND          | ND           | ND           | ND            | 0.007       | ND          | ND          | ND          | ND           | ND           | ND           | ND            | ND           | ND           | ND            | ND           | ND           | ND           | ND                   | -      | 0.007  |
|               | アンチモン                   | ND          | ND           | ND           | ND            | ND          | ND          | ND          | ND          | ND           | ND           | ND           | ND            | ND           | ND           | ND            | ND           | ND           | ND           | ND                   | -      | 0.001  |
| フタル酸ジエチルヘキシル  | ND                      | ND          | ND           | ND           | ND            | ND          | ND          | ND          | ND          | ND           | ND           | ND           | ND            | ND           | ND           | ND            | ND           | ND           | ND           | -                    | 0.006  |        |

(注1)単位は、pH(-)、大腸菌群数(MPN/100ml)、電気伝導率(mS/m)を除いて、mg/Lである。

(注2)ND：検出せず

(注3)下線は地下水の環境基準を超過しているもの。

(注4)環境省通知に基づき、環境基準を変更した。(平成26年7月調査までの環境基準値は0.03mg/Lである。)

(注5)環境省通知に基づき、名称を変更した。(平成29年3月調査までは塩化ビニルモノマーである。)



| 調査地点         |                         | C 3 北        |             |               |              |              |               |             |               |              | C 3 南       |             |               |              |              |              |              |              |              | 地下水の環境基準             | 検出下限   |        |
|--------------|-------------------------|--------------|-------------|---------------|--------------|--------------|---------------|-------------|---------------|--------------|-------------|-------------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------------|--------|--------|
| 調査年月日        |                         | H25. 7. 24   | H26. 2. 19  | H26. 7. 7     | H27. 2. 18   | H27. 8. 3    | H28. 2. 2     | H28. 8. 1   | H29. 2. 7     | H29. 7. 31   | H25. 7. 24  | H26. 2. 19  | H26. 7. 7     | H27. 2. 18   | H27. 8. 3    | H28. 2. 2    | H28. 8. 1    | H29. 2. 7    | H29. 7. 31   |                      |        |        |
| 一般項目         | pH                      | 6.6          | 6.6         | 6.7           | 6.6          | 6.5          | 6.8           | 6.4         | 6.7           | 6.5          | 6.3         | 6.1         | 6.1           | 6.2          | 6.2          | 6.1          | 6.1          | 6.1          | 6.1          | 6.1                  | -      | -      |
|              | BOD                     | 12           | 18          | 5.0           | 3.0          | 1.7          | 4.2           | 0.7         | 3.4           | 2.2          | 11          | 9.3         | 1.0           | 1.4          | 1.3          | 8.8          | 2.9          | 3.2          | 2.1          | -                    | 0.5    |        |
|              | COD                     | 210          | 140         | 110           | 67           | 67           | 19            | 23          | 22            | 35           | 84          | 68          | 36            | 39           | 38           | 40           | 34           | 30           | 19           | -                    | 0.5    |        |
|              | 大腸菌群数                   | 2.0          | 31          | 2.0           | 11           | ND           | ND            | ND          | ND            | ND           | 4.5         | ND          | ND            | 4.5          | ND           | 2.0          | ND           | ND           | ND           | -                    | -      |        |
|              | 油分                      | 7.6          | 10          | 3.8           | 4.1          | 2.4          | 3.5           | 1.6         | 2.2           | 2.9          | 4.0         | 4.3         | 2.6           | 2.6          | 2.3          | 3.7          | 2.4          | 1.8          | 2            | -                    | 0.5    |        |
| 健康項目         | カドミウム                   | 0.0004       | 0.0004      | ND            | ND           | ND           | ND            | ND          | ND            | ND           | 0.0008      | 0.0004      | ND            | ND           | ND           | ND           | ND           | ND           | ND           | 0.003                | 0.0003 |        |
|              | 全シアン                    | ND           | ND          | ND            | ND           | ND           | ND            | ND          | ND            | ND           | ND          | ND          | ND            | ND           | ND           | ND           | ND           | ND           | ND           | ND                   | 0.1    |        |
|              | 有機燐                     | ND           | ND          | ND            | ND           | ND           | ND            | ND          | ND            | ND           | ND          | ND          | ND            | ND           | ND           | ND           | ND           | ND           | ND           | ND                   | -      | 0.1    |
|              | 鉛                       | ND           | ND          | ND            | ND           | ND           | ND            | ND          | ND            | ND           | ND          | ND          | ND            | ND           | ND           | ND           | ND           | ND           | ND           | ND                   | 0.01   | 0.005  |
|              | 六価クロム                   | ND           | ND          | ND            | ND           | ND           | ND            | ND          | ND            | ND           | ND          | ND          | ND            | ND           | ND           | ND           | ND           | ND           | ND           | ND                   | 0.05   | 0.05   |
|              | 砒素                      | ND           | 0.006       | ND            | ND           | <u>0.015</u> | ND            | 0.006       | ND            | 0.010        | ND          | ND          | ND            | ND           | ND           | ND           | ND           | ND           | ND           | ND                   | 0.01   | 0.005  |
|              | 総水銀                     | ND           | ND          | ND            | ND           | ND           | ND            | ND          | ND            | ND           | ND          | ND          | ND            | ND           | ND           | ND           | ND           | ND           | ND           | ND                   | 0.0005 | 0.0005 |
|              | アルキル水銀                  | ND           | ND          | ND            | ND           | ND           | ND            | ND          | ND            | ND           | ND          | ND          | ND            | ND           | ND           | ND           | ND           | ND           | ND           | ND                   | ND     | 0.0005 |
|              | PCB                     | ND           | ND          | ND            | ND           | ND           | ND            | ND          | ND            | ND           | ND          | ND          | ND            | ND           | ND           | ND           | ND           | ND           | ND           | ND                   | ND     | 0.0005 |
|              | ジクロロメタン                 | ND           | ND          | 0.002         | ND           | ND           | ND            | ND          | ND            | ND           | 0.002       | 0.002       | 0.002         | ND           | ND           | ND           | ND           | ND           | ND           | ND                   | 0.02   | 0.002  |
|              | 四塩化炭素                   | ND           | ND          | ND            | ND           | ND           | ND            | ND          | ND            | ND           | ND          | ND          | ND            | ND           | ND           | ND           | ND           | ND           | ND           | ND                   | 0.002  | 0.0002 |
|              | クロロエチレン <sup>(注5)</sup> | <u>0.035</u> | 0.0008      | <u>0.0089</u> | 0.0017       | 0.0010       | <u>0.0079</u> | 0.0011      | <u>0.0045</u> | 0.0017       | <u>0.12</u> | <u>0.15</u> | <u>0.24</u>   | <u>0.035</u> | <u>0.043</u> | <u>0.020</u> | <u>0.035</u> | <u>0.032</u> | <u>0.059</u> | 0.002                | 0.0002 |        |
|              | 1,2-ジクロロエタン             | 0.0014       | ND          | 0.0005        | ND           | ND           | ND            | ND          | ND            | ND           | 0.0024      | 0.0030      | <u>0.0042</u> | ND           | 0.0031       | 0.0025       | 0.0035       | ND           | 0.0021       | 0.004                | 0.0004 |        |
|              | 1,1-ジクロロエチレン            | ND           | ND          | ND            | ND           | ND           | ND            | ND          | ND            | ND           | ND          | 0.002       | ND            | ND           | ND           | ND           | ND           | ND           | 0.003        | 0.1                  | 0.002  |        |
|              | 1,2-ジクロロエチレン            | 0.033        | ND          | 0.009         | 0.007        | ND           | 0.009         | ND          | ND            | ND           | <u>0.67</u> | <u>0.65</u> | <u>0.23</u>   | <u>0.12</u>  | <u>0.10</u>  | <u>0.090</u> | <u>0.12</u>  | <u>0.099</u> | <u>0.34</u>  | 0.04                 | 0.004  |        |
|              | 1,1,1-トリクロロエタン          | ND           | 0.011       | ND            | ND           | ND           | ND            | ND          | ND            | ND           | ND          | 0.0007      | ND            | ND           | ND           | ND           | ND           | ND           | ND           | 1                    | 0.0005 |        |
|              | 1,1,2-トリクロロエタン          | ND           | ND          | 0.0006        | ND           | ND           | ND            | ND          | ND            | ND           | 0.0024      | 0.0023      | 0.0022        | ND           | 0.0012       | 0.0010       | 0.0014       | 0.0011       | 0.0018       | 0.006                | 0.0006 |        |
|              | トリクロロエチレン               | <u>0.025</u> | ND          | <u>0.065</u>  | <u>0.022</u> | ND           | 0.002         | 0.002       | 0.008         | 0.002        | <u>0.46</u> | <u>0.54</u> | <u>0.37</u>   | <u>0.32</u>  | <u>0.26</u>  | <u>0.28</u>  | <u>0.45</u>  | <u>0.30</u>  | <u>0.51</u>  | 0.01 <sup>(注4)</sup> | 0.002  |        |
|              | テトラクロロエチレン              | ND           | ND          | ND            | ND           | ND           | ND            | ND          | ND            | ND           | ND          | ND          | ND            | ND           | ND           | ND           | ND           | ND           | ND           | ND                   | 0.01   | 0.0005 |
|              | 1,3-ジクロロプロペン            | ND           | ND          | ND            | ND           | ND           | ND            | ND          | ND            | ND           | ND          | ND          | ND            | ND           | ND           | ND           | ND           | ND           | ND           | ND                   | 0.002  | 0.0002 |
|              | チウラム                    | ND           | ND          | ND            | ND           | ND           | ND            | ND          | ND            | ND           | ND          | ND          | ND            | ND           | ND           | ND           | ND           | ND           | ND           | ND                   | 0.006  | 0.001  |
|              | シマジン                    | ND           | ND          | ND            | ND           | ND           | ND            | ND          | ND            | ND           | ND          | ND          | ND            | ND           | ND           | ND           | ND           | ND           | ND           | ND                   | 0.003  | 0.0003 |
|              | チオベンカルブ                 | ND           | ND          | ND            | ND           | ND           | ND            | ND          | ND            | ND           | ND          | ND          | ND            | ND           | ND           | ND           | ND           | ND           | ND           | ND                   | 0.02   | 0.002  |
|              | ベンゼン                    | <u>9.2</u>   | <u>0.26</u> | <u>0.33</u>   | <u>0.032</u> | <u>0.017</u> | <u>0.15</u>   | 0.008       | <u>0.069</u>  | <u>0.045</u> | <u>0.56</u> | <u>0.13</u> | <u>0.021</u>  | <u>0.018</u> | 0.009        | <u>0.013</u> | 0.008        | 0.003        | 0.008        | 0.01                 | 0.001  |        |
|              | セレン                     | ND           | 0.006       | ND            | ND           | ND           | ND            | ND          | ND            | ND           | ND          | ND          | ND            | ND           | ND           | ND           | ND           | ND           | ND           | ND                   | 0.01   | 0.005  |
|              | 硝酸性窒素及び亜硝酸性窒素           | ND           | ND          | ND            | ND           | ND           | ND            | ND          | ND            | ND           | ND          | ND          | ND            | ND           | ND           | ND           | ND           | ND           | ND           | ND                   | 10     | 10     |
| フッ素          | ND                      | ND           | ND          | ND            | ND           | ND           | ND            | ND          | ND            | ND           | ND          | ND          | ND            | ND           | ND           | ND           | ND           | ND           | ND           | 0.8                  | 0.8    |        |
| ホル素          | <u>3.0</u>              | <u>1.4</u>   | <u>2.0</u>  | <u>2.5</u>    | <u>2.4</u>   | 0.3          | 0.8           | 0.8         | 1.2           | <u>2.9</u>   | <u>2.4</u>  | <u>2.0</u>  | <u>2.5</u>    | <u>2.1</u>   | <u>2.1</u>   | <u>1.7</u>   | <u>1.2</u>   | <u>1.1</u>   | 1            | 0.1                  |        |        |
| 1,4-ジオキサン    | <u>1.3</u>              | <u>0.48</u>  | <u>2.7</u>  | <u>0.72</u>   | <u>0.30</u>  | 0.036        | <u>0.057</u>  | <u>0.27</u> | <u>0.30</u>   | <u>1.3</u>   | <u>1.1</u>  | <u>1.3</u>  | <u>0.65</u>   | <u>0.62</u>  | <u>0.43</u>  | <u>0.55</u>  | <u>0.32</u>  | <u>0.44</u>  | 0.05         | 0.005                |        |        |
| その他の項目       | 全窒素                     | 11           | 7           | 19            | 27           | 35           | 8             | 15          | 12            | 24           | 9           | 6           | 6             | 4            | 3            | 4            | 3            | 3            | 3            | -                    | 1      |        |
|              | 全燐                      | ND           | 0.4         | 0.1           | 0.2          | 0.2          | 0.3           | 0.3         | 0.3           | 0.3          | ND          | ND          | ND            | ND           | ND           | ND           | ND           | ND           | ND           | -                    | 0.1    |        |
|              | 塩化物イオン                  | 322          | 295         | 343           | 240          | 187          | 40            | 64          | 165           | 160          | 1260        | 1440        | 1670          | 1670         | 1770         | 1760         | 1770         | 1860         | 1800         | -                    | 1      |        |
|              | 電気伝導率                   | 590          | 330         | 377           | 273          | 237          | 43.4          | 116         | 118           | 169          | 506         | 536         | 597           | 586          | 584          | 581          | 546          | 607          | 594          | -                    | 0.1    |        |
|              | ニッケル                    | ND           | ND          | ND            | ND           | ND           | ND            | ND          | ND            | ND           | ND          | ND          | ND            | ND           | ND           | ND           | ND           | ND           | ND           | ND                   | -      | 0.05   |
|              | モリブデン                   | ND           | ND          | 0.009         | 0.011        | ND           | ND            | ND          | ND            | ND           | ND          | ND          | ND            | ND           | ND           | ND           | ND           | ND           | ND           | ND                   | -      | 0.007  |
|              | アンチモン                   | ND           | ND          | ND            | ND           | ND           | ND            | ND          | ND            | ND           | ND          | ND          | ND            | ND           | ND           | ND           | ND           | ND           | ND           | ND                   | -      | 0.001  |
| フタル酸ジエチルヘキシル | ND                      | ND           | ND          | ND            | ND           | ND           | ND            | ND          | ND            | ND           | ND          | ND          | ND            | ND           | ND           | ND           | ND           | ND           | ND           | -                    | 0.006  |        |

(注1)単位は、pH(-)、大腸菌群数(MPN/100ml)、電気伝導率(mS/m)を除いて、mg/Lである。

(注2)ND：検出せず

(注3)下線は地下水の環境基準を超過しているもの。

(注4)環境省通知に基づき、環境基準を変更した。(平成26年7月調査までの環境基準値は0.03mg/Lである。)

(注5)環境省通知に基づき、名称を変更した。(平成29年3月調査までは塩化ビニルモノマーである。)

| 調査地点          |                  | F 1 東         |                |                |                |                |                |                |                |                | D E 1      |               |               |               |                |               |               |            |           | 地下水の<br>環境基準 | 検出<br>下限 |
|---------------|------------------|---------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|------------|---------------|---------------|---------------|----------------|---------------|---------------|------------|-----------|--------------|----------|
| 調査年月日         |                  | H25. 7. 22    | H26. 2. 17     | H26. 7. 22     | H27. 2. 17     | H27. 7. 27     | H28. 2. 1      | H28. 7. 25     | H29. 1. 31     | H29. 8. 9      | H25. 7. 22 | H26. 2. 19    | H26. 7. 22    | H27. 2. 17    | H27. 7. 28     | H28. 2. 2     | H28. 7. 25    | H29. 1. 30 | H29. 8. 9 |              |          |
| 一般項目          | p H              | 6. 2          | 6. 3           | 6. 3           | 6. 4           | 6. 2           | 6. 4           | 6. 3           | 6. 5           | 6. 4           | 5. 9       | 6. 1          | 6. 3          | 6. 3          | 5. 9           | 6. 0          | 5. 8          | 6. 3       | 5. 9      | -            | -        |
|               | B O D            | 9. 3          | 10             | 3. 7           | 14             | 7. 1           | 16             | 13             | 10             | 5. 4           | ND         | ND            | ND            | ND            | ND             | ND            | 0. 6          | ND         | 1. 6      | -            | 0. 5     |
|               | C O D            | 136           | 96             | 72             | 73             | 77             | 65             | 71             | 67             | 71             | 2. 5       | 4. 3          | 4. 8          | 2. 8          | 2. 3           | 1. 5          | 2. 5          | 4. 3       | 1. 8      | -            | 0. 5     |
|               | 大腸菌群数            | ND            | ND             | ND             | ND             | 2              | ND             | 49             | ND             | 4. 5           | ND         | ND            | 22            | ND            | 12             | ND            | 2. 0          | ND         | ND        | -            | -        |
|               | 油分               | 4. 4          | 2. 3           | 1. 6           | 2. 2           | 2. 3           | 4. 3           | 4. 1           | 2. 0           | 2. 6           | ND         | ND            | ND            | ND            | ND             | 0. 7          | ND            | ND         | ND        | -            | 0. 5     |
| 健康項目          | カドミウム            | 0. 0011       | 0. 0008        | ND             | ND             | ND             | ND             | ND             | ND             | ND             | 0. 0026    | <u>0. 044</u> | <u>0. 022</u> | 0. 0004       | <u>0. 0036</u> | 0. 0021       | 0. 0011       | ND         | 0. 0030   | 0. 003       | 0. 0003  |
|               | 全シアン             | ND            | ND             | ND             | ND             | ND             | ND             | ND             | ND             | ND             | ND         | ND            | ND            | ND            | ND             | ND            | ND            | ND         | ND        | ND           | 0. 1     |
|               | 有機燐              | ND            | ND             | ND             | ND             | ND             | ND             | ND             | ND             | ND             | ND         | ND            | ND            | ND            | ND             | ND            | ND            | ND         | ND        | -            | 0. 1     |
|               | 鉛                | ND            | ND             | ND             | 0. 009         | ND             | ND             | ND             | ND             | ND             | 0. 005     | <u>0. 084</u> | ND            | ND            | 0. 006         | ND            | ND            | ND         | ND        | 0. 01        | 0. 005   |
|               | 六価クロム            | ND            | ND             | ND             | ND             | ND             | ND             | ND             | ND             | ND             | ND         | ND            | ND            | ND            | ND             | ND            | ND            | ND         | ND        | 0. 05        | 0. 05    |
|               | 砒素               | ND            | ND             | ND             | ND             | ND             | ND             | ND             | ND             | ND             | ND         | 0. 009        | 0. 008        | ND            | ND             | ND            | ND            | ND         | ND        | 0. 01        | 0. 005   |
|               | 総水銀              | ND            | ND             | ND             | ND             | ND             | ND             | ND             | ND             | ND             | ND         | ND            | ND            | ND            | ND             | ND            | ND            | ND         | ND        | 0. 0005      | 0. 0005  |
|               | アルキル水銀           | ND            | ND             | ND             | ND             | ND             | ND             | ND             | ND             | ND             | ND         | ND            | ND            | ND            | ND             | ND            | ND            | ND         | ND        | ND           | 0. 0005  |
|               | PCB              | ND            | ND             | ND             | ND             | ND             | ND             | ND             | ND             | ND             | ND         | ND            | ND            | ND            | ND             | ND            | ND            | ND         | ND        | ND           | 0. 0005  |
|               | ジクロロメタン          | ND            | ND             | ND             | ND             | ND             | ND             | ND             | ND             | ND             | ND         | ND            | ND            | ND            | ND             | ND            | ND            | ND         | ND        | 0. 02        | 0. 002   |
|               | 四塩化炭素            | ND            | ND             | ND             | ND             | ND             | ND             | ND             | ND             | ND             | ND         | ND            | ND            | ND            | ND             | ND            | ND            | ND         | ND        | 0. 002       | 0. 0002  |
|               | クロロエチレン(注5)      | 0. 0017       | <u>0. 0045</u> | <u>0. 0039</u> | <u>0. 0041</u> | <u>0. 0026</u> | <u>0. 0027</u> | <u>0. 0027</u> | <u>0. 0036</u> | <u>0. 0028</u> | ND         | ND            | 0. 0004       | 0. 0006       | ND             | ND            | 0. 0002       | ND         | ND        | 0. 002       | 0. 0002  |
|               | 1, 2-ジクロロエタン     | 0. 0009       | 0. 0009        | 0. 0015        | 0. 0009        | 0. 0009        | 0. 0008        | 0. 0010        | 0. 0008        | 0. 0011        | ND         | ND            | ND            | ND            | ND             | ND            | ND            | ND         | ND        | 0. 004       | 0. 0004  |
|               | 1, 1-ジクロロエチレン    | ND            | ND             | 0. 002         | ND             | 0. 002         | 0. 006         | 0. 002         | ND             | 0. 002         | ND         | ND            | ND            | ND            | ND             | ND            | ND            | ND         | ND        | 0. 1         | 0. 002   |
|               | 1, 2-ジクロロエチレン    | ND            | ND             | 0. 016         | 0. 011         | ND             | ND             | ND             | ND             | 0. 004         | ND         | ND            | 0. 012        | 0. 027        | ND             | ND            | ND            | ND         | ND        | 0. 04        | 0. 004   |
|               | 1, 1, 1-トリクロロエタン | ND            | ND             | ND             | ND             | ND             | ND             | ND             | ND             | ND             | ND         | ND            | ND            | ND            | ND             | ND            | ND            | ND         | ND        | 1            | 0. 0005  |
|               | 1, 1, 2-トリクロロエタン | ND            | ND             | 0. 0022        | ND             | ND             | ND             | ND             | ND             | 0. 0020        | ND         | ND            | ND            | ND            | ND             | ND            | ND            | ND         | ND        | 0. 006       | 0. 0006  |
|               | トリクロロエチレン        | 0. 002        | ND             | <u>0. 064</u>  | <u>0. 022</u>  | 0. 002         | 0. 008         | 0. 007         | 0. 002         | 0. 019         | ND         | ND            | <u>0. 056</u> | <u>0. 041</u> | ND             | 0. 003        | <u>0. 011</u> | 0. 004     | ND        | 0. 01(注4)    | 0. 002   |
|               | テトラクロロエチレン       | ND            | ND             | ND             | ND             | ND             | ND             | ND             | ND             | ND             | ND         | ND            | ND            | ND            | ND             | ND            | ND            | ND         | ND        | 0. 01        | 0. 0005  |
|               | 1, 3-ジクロロプロペン    | ND            | ND             | ND             | ND             | ND             | ND             | ND             | ND             | ND             | ND         | ND            | ND            | ND            | ND             | ND            | ND            | ND         | ND        | 0. 002       | 0. 0002  |
|               | チウラム             | ND            | ND             | ND             | ND             | ND             | ND             | ND             | ND             | ND             | ND         | ND            | ND            | ND            | ND             | ND            | ND            | ND         | ND        | 0. 006       | 0. 001   |
|               | シマジン             | ND            | ND             | ND             | ND             | ND             | ND             | ND             | ND             | ND             | ND         | ND            | ND            | ND            | ND             | ND            | ND            | ND         | ND        | 0. 003       | 0. 0003  |
|               | チオベンカルブ          | ND            | ND             | ND             | ND             | ND             | ND             | ND             | ND             | ND             | ND         | ND            | ND            | ND            | ND             | ND            | ND            | ND         | ND        | 0. 02        | 0. 002   |
|               | ベンゼン             | <u>0. 017</u> | <u>0. 051</u>  | <u>0. 020</u>  | <u>0. 016</u>  | <u>0. 011</u>  | <u>0. 061</u>  | <u>0. 011</u>  | 0. 008         | <u>0. 014</u>  | 0. 003     | 0. 007        | <u>0. 014</u> | <u>0. 023</u> | 0. 007         | <u>0. 013</u> | 0. 002        | 0. 001     | ND        | 0. 01        | 0. 001   |
|               | セレン              | ND            | ND             | ND             | <u>0. 016</u>  | ND             | ND             | ND             | ND             | ND             | ND         | 0. 006        | ND            | ND            | ND             | ND            | ND            | ND         | ND        | 0. 01        | 0. 005   |
| 硝酸性窒素及び亜硝酸性窒素 | ND               | ND            | ND             | ND             | ND             | ND             | ND             | ND             | ND             | ND             | ND         | ND            | ND            | ND            | ND             | ND            | ND            | ND         | 10        | 10           |          |
| フッ素           | ND               | ND            | ND             | ND             | ND             | ND             | ND             | ND             | ND             | ND             | ND         | ND            | ND            | ND            | ND             | ND            | ND            | ND         | 0. 8      | 0. 8         |          |
| ホル素           | <u>9. 4</u>      | <u>6. 5</u>   | <u>6. 6</u>    | <u>6. 3</u>    | <u>6. 9</u>    | <u>6. 4</u>    | <u>6. 5</u>    | <u>6. 1</u>    | <u>6. 2</u>    | 0. 8           | 0. 6       | 0. 9          | 0. 9          | 0. 7          | 0. 8           | 0. 7          | 0. 8          | 0. 7       | 1         | 0. 1         |          |
| 1, 4-ジキシサン    | <u>0. 72</u>     | <u>0. 71</u>  | <u>0. 75</u>   | <u>0. 66</u>   | <u>0. 58</u>   | <u>0. 33</u>   | <u>0. 66</u>   | <u>0. 56</u>   | <u>0. 68</u>   | ND             | ND         | ND            | ND            | ND            | ND             | ND            | ND            | ND         | 0. 05     | 0. 005       |          |
| その他の項目        | 全窒素              | 4             | 5              | 5              | 4              | 3              | 4              | 4              | 4              | ND             | ND         | ND            | ND            | ND            | ND             | ND            | ND            | ND         | -         | 1            |          |
|               | 全燐               | ND            | ND             | ND             | ND             | ND             | ND             | ND             | ND             | ND             | ND         | ND            | ND            | ND            | ND             | ND            | ND            | ND         | -         | 0. 1         |          |
|               | 塩化物イオン           | 1230          | 1270           | 1310           | 1310           | 1300           | 1320           | 1350           | 1370           | 1310           | 9650       | 10200         | 9830          | 10000         | 9660           | 9590          | 9820          | 9750       | 9270      | -            | 1        |
|               | 電気伝導率            | 524           | 524            | 537            | 545            | 542            | 544            | 514            | 560            | 503            | 2650       | 2580          | 2560          | 2700          | 2300           | 2570          | 2170          | 2610       | 2490      | -            | 0. 1     |
|               | ニッケル             | ND            | ND             | ND             | ND             | ND             | ND             | ND             | ND             | ND             | ND         | ND            | 0. 05         | ND            | ND             | ND            | ND            | ND         | ND        | -            | 0. 05    |
|               | モリブデン            | ND            | 0. 007         | 0. 017         | 0. 028         | ND             | ND             | ND             | ND             | ND             | 0. 008     | 0. 008        | ND            | 0. 011        | ND             | ND            | ND            | ND         | ND        | -            | 0. 007   |
|               | アンチモン            | ND            | ND             | ND             | ND             | ND             | ND             | ND             | ND             | ND             | ND         | ND            | ND            | ND            | ND             | ND            | ND            | ND         | ND        | -            | 0. 001   |
| フタル酸ジエチルヘキシル  | ND               | 0. 007        | ND             | ND             | ND             | ND             | ND             | ND             | ND             | ND             | ND         | ND            | ND            | ND            | ND             | ND            | ND            | ND         | -         | 0. 006       |          |

(注1)単位は、pH(-)、大腸菌群数(MPN/100ml)、電気伝導率(mS/m)を除いて、mg/Lである。

(注2)ND：検出せず

(注3)下線は地下水の環境基準を超過しているもの。

(注4)環境省通知に基づき、環境基準を変更した。(平成26年7月調査までの環境基準値は0.03mg/Lである。)

(注5)環境省通知に基づき、名称を変更した。(平成29年3月調査までは塩化ビニルモノマーである。)

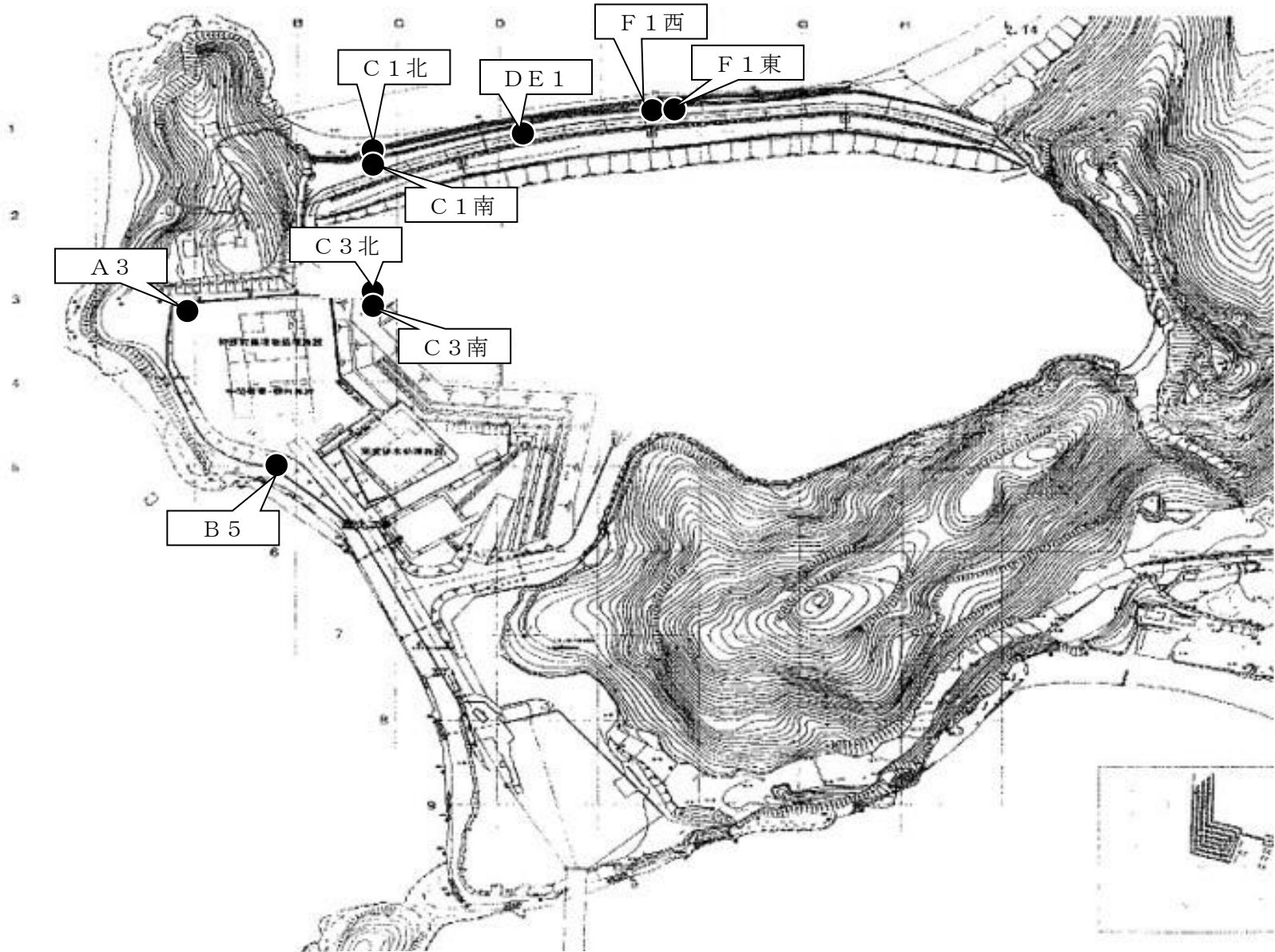


図 豊島における環境計測（地下水調査）調査地点