



N° échantillon: **24-03009** Date de début des analyses: **04/03/2024**
Votre référence*: **RES-402-07** **Réservoir Kakeschbësch Moutfort**
Info complémentaire*: **sortie**
Nature de l'échantillon*: **eau potable**
Prélevé le*: **04/03/2024 à 10:45** Prélevé par*: **BARBELEN - Wester Wassertechnik**
Type d'échantillonnage*: **ponctuel - hors accréditation**
Objectif ISO 19458*: **A**

PARAMETRE(S) par section

MESURES SUR LE TERRAIN (CLIENT)

INDICATEURS

| | Note | Méthode | Résultat | Unité | VG | VL |
|-------------|------|---------|------------|-------|----|----|
| Température | | | 7.8 | °C | | |

MICROBIOLOGIE

BACTÉRIES

| | Note | Méthode | Résultat | Unité | VG | VL |
|---------------------------|------|---------------|--------------|-----------|----|----|
| Bactéries coliformes | # | ISO 9308-2 | <1 | NPP/100ml | <1 | |
| Escherichia coli | # | ISO 9308-2 | <1 | NPP/100ml | | <1 |
| Clostridium perfringens | | SOP 51315 (2) | <1 | cfu/100ml | <1 | |
| Entérocoques intestinaux | # | ISO 7899-2 | <1 | cfu/100ml | | <1 |
| Teneur en colonies à 36°C | # | ISO 6222 | <1 | cfu/ml | | |
| Teneur en colonies à 22°C | # | ISO 6222 | 4 | cfu/ml | | |

PHYSICO-CHIMIE

CARACTÉRISTIQUES

| | Note | Méthode | Résultat | Unité | VG | VL |
|---------|------|---------------|-----------------|-------|----|----|
| Aspect | | SOP 11300 (2) | propre | | | |
| Couleur | | SOP 11300 (2) | incolore | | | |
| Odeur | | SOP 11300 (2) | inodore | | | |

INDICATEURS

| | Note | Méthode | Résultat | Unité | VG | VL |
|-----------------------------------|------|--------------|-----------------|-------|---------|----|
| pH | # | ISO 10523 | 8.1 | | 6.5-9.5 | |
| Température | # | DIN 38404-C4 | 16.4 | °C | | |
| Conductibilité électrique à 20°C | # | ISO 7888 | 275 | µS/cm | 2500 | |
| Turbidité | # | ISO 7027 | <0.50 | FNU | | |
| Dureté carbonatée | # | ISO 9963-1 | 10 | d°f | | |
| Dureté totale (calculée ISO14911) | # | | 12 | d°f | | |
| Carbone organique total | # | ISO 8245 | <1.0 | mg/l | | |

IONS

| | Note | Méthode | Résultat | Unité | VG | VL |
|---------|------|-------------|------------------|-------|----|------|
| Bromate | #;D | ISO 15061 | <0.005 | mg/l | | 0.01 |
| Bromure | #;D | ISO 10304-1 | 0.02 | mg/l | | |

Copie: Wester Wassertechnik



PHYSICO-CHIMIE

IONS

| | Note | Méthode | Résultat | Unité | VG | VL |
|-----------|------|---------------|----------|-------|-----|-------|
| Chlorite | #;D | ISO 10304-4 | <0.01 | mg/l | | 0.25 |
| Chlorate | #;D | ISO 10304-4 | <0.01 | mg/l | | 0.25 |
| Fluorure | #;D | ISO 10304-1 | 0.80 | mg/l | | 1.5 |
| Chlorure | #;D | ISO 10304-1 | 20 | mg/l | 250 | |
| Nitrate | #;D | ISO 10304-1 | 18 | mg/l | | 50 |
| Sulfate | #;D | ISO 10304-1 | 10 | mg/l | 250 | |
| Cyanure | | SOP 11335 (2) | <0.01 | mg/l | | 0.050 |
| Sodium | #;D | ISO 14911 | 16 | mg/l | 200 | |
| Potassium | #;D | ISO 14911 | 2.0 | mg/l | | |
| Calcium | #;D | ISO 14911 | 40 | mg/l | | |
| Magnésium | #;D | ISO 14911 | 4.0 | mg/l | | |

NUTRIMENTS

| | Note | Méthode | Résultat | Unité | VG | VL |
|----------|------|------------|----------|-------|------|------|
| Ammonium | #;D | ISO 7150-1 | <0.02 | mg/l | 0.50 | |
| Nitrite | #;D | ISO 6777 | <0.01 | mg/l | | 0.50 |

SPECTROSCOPIE

DIGESTION

| | Note | Méthode | Résultat | Unité | VG | VL |
|------------------------------|------|-----------------|-------------|-------|----|----|
| Digestion par acide nitrique | # | ISO 15587-2 (1) | non réalisé | | | |

ELÉMENTS

| | Note | Méthode | Résultat | Unité | VG | VL |
|-----------|------|-------------------|----------|-------|-----|-------|
| Mercuré | # | ISO 17852 (1) | <0.020 | µg/l | | 1.0 |
| Aluminium | # | ISO 17294-1/2 | <50 | µg/l | 200 | |
| Antimoine | # | ISO 17294-1/2 (1) | <0.50 | µg/l | | 10 |
| Arsenic | # | ISO 17294-1/2 | <0.50 | µg/l | | 10 |
| Bore | # | ISO 17294-1/2 | 8.3 | µg/l | | 1 500 |
| Cadmium | # | ISO 17294-1/2 | <0.025 | µg/l | | 5.0 |
| Chrome | # | ISO 17294-1/2 | <0.50 | µg/l | | 50 |
| Cuivre | # | ISO 17294-1/2 | <1.0 | µg/l | | 2 000 |
| Fer | # | ISO 17294-1/2 | <50 | µg/l | 200 | |
| Manganèse | # | ISO 17294-1/2 | <1.0 | µg/l | 50 | |
| Nickel | # | ISO 17294-1/2 | 0.68 | µg/l | | 20 |
| Plomb | # | ISO 17294-1/2 | <0.50 | µg/l | | 10 |
| Sélénium | # | ISO 17294-1/2 | <0.50 | µg/l | | 20 |
| Silicium | # | ISO 17294-1/2 | 2.9 | mg/l | | |
| Uranium | # | ISO 17294-1/2 | <0.025 | µg/l | | 30 |
| Zinc | # | ISO 17294-1/2 | 1.8 | µg/l | | |

ORGANIQUE



ORGANIQUE

ACIDES HALOACÉTIQUES

| | Note | Méthode | Résultat | Unité | VG | VL |
|----------------------------|------|---------------|----------|-------|----|----|
| DBAA | #,D | SOP 31304 (2) | <1.0 | µg/l | | |
| DCAA | #,D | SOP 31304 (2) | <1.0 | µg/l | | |
| MBAA | #,D | SOP 31304 (2) | <1.0 | µg/l | | |
| MCAA | #,D | SOP 31304 (2) | <1.0 | µg/l | | |
| TCAA | #,D | SOP 31304 (2) | <1.0 | µg/l | | |
| Acides haloacétiques (AHA) | D | SOP 31304 (2) | 0.00 | µg/l | | 60 |

HYDROCARBURES AROMATIQUES POLYCYCLIQUES

| | Note | Méthode | Résultat | Unité | VG | VL |
|-----------------------------------|------|---------------|----------|-------|----|-----|
| Benzo(a)pyrène | # | SOP 31362 (2) | <1.0 | ng/l | | 10 |
| Benzo(b)fluoranthène | # | SOP 31362 (2) | <1.0 | ng/l | | |
| Benzo(ghi)pérylène | # | SOP 31362 (2) | <1.0 | ng/l | | |
| Benzo(k)fluoranthène | # | SOP 31362 (2) | <1.0 | ng/l | | |
| Indeno(1,2,3-cd)pyrène | # | SOP 31362 (2) | <1.0 | ng/l | | |
| Hydrocarbures arom. polycycliques | # | SOP 31362 (2) | 0.00 | ng/l | | 100 |

MÉDICAMENTS

| | Note | Méthode | Résultat | Unité | VG | VL |
|---------------|------|---------------|----------|-------|----|----|
| Carbamazepine | #,D | SOP 31302 (2) | <25 | ng/l | | |
| Diclofenac | D | SOP 31302 (2) | <5 | ng/l | | |
| Ibuprofen | #,D | SOP 31302 (2) | <25 | ng/l | | |
| Ketoprofen | #,D | SOP 31302 (2) | <25 | ng/l | | |
| Lidocaïne | D | SOP 31302 (2) | <25 | ng/l | | |

PESTICIDES

| | Note | Méthode | Résultat | Unité | VG | VL |
|-----------------------|------|---------------|----------|-------|----|-----|
| AMPA | #,D | SOP 31305 (2) | <25 | ng/l | | 100 |
| Glufosinate | #,D | SOP 31305 (2) | <25 | ng/l | | 100 |
| Glyphosate | #,D | SOP 31305 (2) | <25 | ng/l | | 100 |
| 2,4-D | #,D | SOP 31302 (2) | <25 | ng/l | | 100 |
| 2,6-Dichlorobenzamide | #,D | SOP 31302 (2) | <25 | ng/l | | 100 |
| Atrazine | #,D | SOP 31302 (2) | <25 | ng/l | | 100 |
| Atrazine-2-hydroxy | #,D | SOP 31302 (2) | <25 | ng/l | | 100 |
| Atrazine-desethyl | #,D | SOP 31302 (2) | <25 | ng/l | | 100 |
| Atrazine-desisopropyl | #,D | SOP 31302 (2) | <25 | ng/l | | 100 |
| Bentazone | #,D | SOP 31302 (2) | <25 | ng/l | | 100 |
| Bromacil | D | SOP 31302 (2) | <25 | ng/l | | 100 |
| Chloridazon | #,D | SOP 31302 (2) | <25 | ng/l | | 100 |
| Clothianidine | D | SOP 31302 (2) | <25 | ng/l | | 100 |
| Dimethenamid | #,D | SOP 31302 (2) | <25 | ng/l | | 100 |
| Dimethoate | #,D | SOP 31302 (2) | <25 | ng/l | | 100 |
| Diuron | #,D | SOP 31302 (2) | <25 | ng/l | | 100 |

Copie: Wester Wassertechnik



ORGANIQUE

PESTICIDES

| | Note | Méthode | Résultat | Unité | VG | VL |
|----------------------------------|------|---------------|----------|-------|----|-----|
| Epoxiconazole | D | SOP 31302 (2) | <25 | ng/l | | 100 |
| Fluazifop P | #,D | SOP 31302 (2) | <25 | ng/l | | 100 |
| Flufenacet | #,D | SOP 31302 (2) | <10 | ng/l | | 100 |
| Foramsulfuron | #,D | SOP 31302 (2) | <25 | ng/l | | 100 |
| Haloxifop | D | SOP 31302 (2) | <25 | ng/l | | 100 |
| Haloxifop-Methyl | D | SOP 31302 (2) | <25 | ng/l | | 100 |
| Imidaclopride | #,D | SOP 31302 (2) | <2.5 | ng/l | | 100 |
| Isoproturon | #,D | SOP 31302 (2) | <25 | ng/l | | 100 |
| Isoxaben | #,D | SOP 31302 (2) | <25 | ng/l | | 100 |
| MCPA | #,D | SOP 31302 (2) | <25 | ng/l | | 100 |
| Mecoprop-P | #,D | SOP 31302 (2) | <25 | ng/l | | 100 |
| Metazachlor | #,D | SOP 31302 (2) | <5 | ng/l | | 100 |
| Metolachlor | #,D | SOP 31302 (2) | <25 | ng/l | | 100 |
| Metribuzin | D | SOP 31302 (2) | <25 | ng/l | | 100 |
| Metsulfuron-methyl | #,D | SOP 31302 (2) | <25 | ng/l | | 100 |
| N,N-Dimethylsulfamid | D | SOP 31302 (2) | <25 | ng/l | | 100 |
| Nicosulfuron | D | SOP 31302 (2) | <25 | ng/l | | 100 |
| Pethoxamid | #,D | SOP 31302 (2) | <25 | ng/l | | 100 |
| Propachlor | #,D | SOP 31302 (2) | <25 | ng/l | | 100 |
| Propyzamide | D | SOP 31302 (2) | <25 | ng/l | | 100 |
| Quinmerac | #,D | SOP 31302 (2) | <25 | ng/l | | 100 |
| Simazine | #,D | SOP 31302 (2) | <25 | ng/l | | 100 |
| Tebuconazole | #,D | SOP 31302 (2) | <25 | ng/l | | 100 |
| Tembotrione | D | SOP 31302 (2) | <25 | ng/l | | 100 |
| Terbutylazine | #,D | SOP 31302 (2) | <5 | ng/l | | 100 |
| Terbutylazine Desethyl | #,D | SOP 31302 (2) | <25 | ng/l | | 100 |
| Terbutylazine-2-hydroxy | D | SOP 31302 (2) | <25 | ng/l | | 100 |
| Terbutylazine-desethyl-2-hydroxy | D | SOP 31302 (2) | <25 | ng/l | | 100 |
| Tritosulfuron | D | SOP 31302 (2) | <25 | ng/l | | 100 |
| Total pesticides | D | SOP 31302 (2) | 0.00 | ng/l | | 500 |
| Chlorpyrifos-ethyl | # | SOP 31362 (2) | <5.0 | ng/l | | 100 |
| Cybutryne | # | SOP 31362 (2) | <1.0 | ng/l | | 100 |

MÉTABOLITES non pertinents de pesticides

| | Note | Méthode | Résultat | Unité | VG | VL |
|--------------------------|------|---------------|----------|-------|----|------|
| Chlorothalonil-M-R417888 | D | SOP 31302 (2) | <25 | ng/l | | 1000 |
| Chlorothalonil-M-R471811 | #,D | SOP 31302 (2) | <25 | ng/l | | 1000 |
| Metazachlor ESA | #,D | SOP 31302 (2) | <25 | ng/l | | 3000 |
| Metazachlor OXA | #,D | SOP 31302 (2) | <25 | ng/l | | 3000 |
| Metolachlor ESA | #,D | SOP 31302 (2) | <25 | ng/l | | 3000 |

Copie: Wester Wassertechnik



ORGANIQUE

MÉTABOLITES non pertinents de pesticides

| | Note | Méthode | Résultat | Unité | VG | VL |
|---|------|---------------|----------|-------|----|------|
| Metolachlor OXA | #;D | SOP 31302 (2) | <25 | ng/l | | 3000 |
| Total métabolites non pert. de pesticides | D | SOP 31302 (2) | 0.00 | ng/l | | 3000 |

SUBSTANCES PERFLUOROALKYLÉES

| | Note | Méthode | Résultat | Unité | VG | VL |
|------------|------|---------------|----------|-------|----|-----|
| PFBS | # | SOP 31303 (2) | <1.0 | ng/l | | |
| PFDoDS | | SOP 31303 (2) | <1.0 | ng/l | | |
| PFDS | # | SOP 31303 (2) | <1.0 | ng/l | | |
| PFHpS | # | SOP 31303 (2) | <1.0 | ng/l | | |
| PFHxS | # | SOP 31303 (2) | <1.0 | ng/l | | |
| PFNS | # | SOP 31303 (2) | <1.0 | ng/l | | |
| PFOS | # | SOP 31303 (2) | <1.0 | ng/l | | |
| PFPeS | # | SOP 31303 (2) | <1.0 | ng/l | | |
| PFBA | # | SOP 31303 (2) | <1.0 | ng/l | | |
| PFDA | # | SOP 31303 (2) | <1.0 | ng/l | | |
| PFDoDA | | SOP 31303 (2) | <1.0 | ng/l | | |
| PFHpA | # | SOP 31303 (2) | <1.0 | ng/l | | |
| PFHxA | # | SOP 31303 (2) | <1.0 | ng/l | | |
| PFNA | # | SOP 31303 (2) | <1.0 | ng/l | | |
| PFOA | # | SOP 31303 (2) | <1.0 | ng/l | | |
| PFPeA | # | SOP 31303 (2) | <1.0 | ng/l | | |
| PFTTrDA | | SOP 31303 (2) | <1.0 | ng/l | | |
| PFTTrDS | | SOP 31303 (2) | <1.0 | ng/l | | |
| PFUnDA | # | SOP 31303 (2) | <1.0 | ng/l | | |
| PFUnDS | | SOP 31303 (2) | <1.0 | ng/l | | |
| Somme PFAS | | SOP 31303 (2) | 0.00 | ng/l | | 100 |

TRIHALOMÉTHANES

| | Note | Méthode | Résultat | Unité | VG | VL |
|-----------------------|------|---------------|----------|-------|----|-----|
| Bromoforme | # | SOP 31342 (2) | <0.10 | µg/l | | |
| Chloroforme | # | SOP 31342 (2) | <0.10 | µg/l | | |
| Dibromochlorométhane | # | SOP 31342 (2) | <0.10 | µg/l | | |
| Dichlorobromométhane | # | SOP 31342 (2) | <0.10 | µg/l | | |
| Total trihalométhanes | # | SOP 31342 (2) | 0.00 | µg/l | | 100 |

VOLATILS

| | Note | Méthode | Résultat | Unité | VG | VL |
|--|------|---------------|----------|-------|----|------|
| 1,2-Dichloroéthane | # | SOP 31342 (2) | <0.10 | µg/l | | 3.0 |
| Benzène | # | SOP 31342 (2) | <0.10 | µg/l | | 1.0 |
| Chlorure de vinyle | # | SOP 31342 (2) | <0.10 | µg/l | | 0.50 |
| Tétrachloroéthylène et trichloroéthylène | # | SOP 31342 (2) | 0.00 | µg/l | | 10 |
| Tétrachloroéthylène | # | SOP 31342 (2) | <0.10 | µg/l | | |

Copie: Wester Wassertechnik



ORGANIQUE

VOLATILS

| | Note | Méthode | Résultat | Unité | VG | VL |
|-------------------|------|---------------|----------|-------|----|----|
| Trichloroéthylène | # | SOP 31342 (2) | <0.10 | µg/l | | |

Résultats validés le 13/03/2024 par JHO