

Informe de análisis

* Las actividades marcadas no están amparadas por la acreditación de ENAC.

DATOS GENERALES

INFORME Nº: 2196315

ANÁLISIS Nº: 4249657

MUESTRA REMITIDA POR: AIGÜES MUNICIPALS DE PATERNA S.A.

DOMICILIO: Ronda Isaac Peral, 14, Plta.1 - of 6. Pq. T.

POBLACION: 46980-Paterna

DENOMINACIÓN MUESTRA: Toma EMSHI

DESCRIPCIÓN MUESTRA: Plástico de 500 mL(1), Plástico estéril 500 mL (Tiosulf. Sódico)(1), Tubo estéril 50 mL(2), Tubo estéril 50 ml (NaOH)(1), Vial 50 mL (Na₂S₂O₃)(2), Vial de 50 mL(1), Vidrio topacio 250mL (Tiosulfato sodico)(1), conteniendo agua potable

FECHA RECEPCIÓN: 23/01/2018

FECHA FINALIZACIÓN Y EMISIÓN: 31/01/2018

Análisis realizado por INTERLAB Madrid. Ensayos cubiertos por la acreditación ENAC nº 1190/2327;-INTERLAB S.L.U. con sede en C/Santa Leonor, 39 1ª planta, 28037 Madrid:

Fecha inicio análisis 24/01/2018.

| PARÁMETROS | MÉTODOS | RD 140/2003 | RESULTADOS | UNIDADES |
|-----------------------------------|---|-------------|-------------|----------------------|
| Caracteres organolépticos | | | | |
| Color | MAD-G-PE-0026 (UV/VIS) | 15 | < 3 ±12% | mg/L Pt/Co |
| * Olor | MAD-G-PE-0257 Olor | 3 a 25°C | 0 | Ind. de dil. |
| * Sabor | MAD-G-PE-0256 Sabor | 3 a 25 °C | 0 | Ind. de dil. |
| Turbidez | MAD-G-PE-0228 (Turbidimetría) | 1 | 0.2 ±13% | UNF |
| Caracteres Físico-Químicos | | | | |
| Amonio | MAD-E-PE-0003 (UV/VIS FIAS) | 0.5 | < 0.05 ±12% | mg/L |
| Carbono orgánico total | MAD-G-PE-0190 (Combustión-NDIR) | | < 1.0 ±20% | mg/L |
| Cianuros totales | MAD-E-PE-014 (UV/VIS-FIAS) | 50 | < 15 ±12% | µg/L |
| Cloro residual combinado | MAD-E-PE-0188 (UV/VIS) | | < 0.10 ±19% | mg/L |
| Cloro residual libre | MAD-E-PE-0188 (UV/VIS) | 1 | 0.89 ±13% | mg/L |
| Indice de Langelier | MAD-G-PE-0272 Indice de Langelier (Cálculo) | | 0.71 ±17% | -- |
| Bicarbonatos | MAD-G-PE-0121 (Volumetría) | | 224 ±12% | mg/L |
| Calcio | MAD-E-PE-0255 (ICP-MS) | | 139.9 ±13% | mg/L |
| Carbonatos | MAD-G-PE-0121 (Volumetría) | | < 3 ±12% | mg/L |
| Conductividad a 20°C | MAD-G-PE-0042 Conductividad | 2500 | 1091 ±6.5% | µS/cm |
| pH | MAD-G-PE-0024 pH | 6.5-9.5 | 7.8 ±0.1 | U. pH. |
| * Temperatura | MAD-G-PE-0258 (Termometría) | | 18.6 ±0.5°C | °C |
| Nitritos | MAD-C-PE-0133 (CI) | 0.1 | <0.02 ±13% | mg/L |
| Oxidabilidad | MAD-G-PE-0029 (Volumetría) | 5.0 | < 0.5 ±15% | mg O ₂ /L |
| Cationes Mayoritarios | | | | |
| Sodio | MAD-E-PE-0255 (ICP-MS) | 200 | 72.4 ±12% | mg/L |
| Aniones | | | | |
| Bromatos | MAD-C-PE-0134 (CI) | 10 | < 3 ±18% | µg/L |
| Cloruros | MAD-C-PE-0133 (CI) | 250 | 117 ±13% | mg/L |
| Fluoruros | MAD-C-PE-0133 (CI) | 1.5 | < 0.3 ±12% | mg/L |
| Nitratos | MAD-C-PE-0133 (CI) | 50 | 16.5 ±12% | mg/L |
| Sulfatos | MAD-C-PE-0133 (CI) | 250 | 270 ±13% | mg/L |
| Metales | | | | |
| Aluminio | MAD-E-PE-0255 (ICP-MS) | 200 | 44 ±16% | µg/L |
| Antimonio | MAD-E-PE-0255 (ICP-MS) | 5 | < 1.5 ±15% | µg/L |
| Arsenico | MAD-E-PE-0255 (ICP-MS) | 10 | < 2 ±13% | µg/L |

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| Boro | MAD-E-PE-0255 (ICP-MS) | 1 | 0.101 ±14% | mg/L |
| Cadmio | MAD-E-PE-0255 (ICP-MS) | 5.0 | < 1 ±13% | µg/L |
| Cobre | MAD-E-PE-0255 (ICP-MS) | 2.0 | < 0.002 ±13% | mg/L |
| Cromo | MAD-E-PE-0255 (ICP-MS) | 50 | < 2 ±13% | µg/L |
| Hierro | MAD-E-PE-0255 (ICP-MS) | 200 | < 5 ±12% | µg/L |
| Manganeso | MAD-E-PE-0255 (ICP-MS) | 50 | < 2 ±13% | µg/L |
| Mercurio | MAD-E-PE-0255 (ICP-MS) | 1.0 | < 0.20 ±17% | µg/L |
| Niquel | MAD-E-PE-0255 (ICP-MS) | 20 | < 2 ±14% | µg/L |
| Plomo | MAD-E-PE-0255 (ICP-MS) | 10 | < 2 ±13% | µg/L |
| Selenio | MAD-E-PE-0255 (ICP-MS) | 10 | < 2 ±15% | µg/L |
| Compuestos orgánicos volátiles | | | | |
| 1,2-Dicloroetano | MAD-C-PE-0164 (HS/CG/MS) | 3 | < 0.5 ±24% | µg/L |
| Suma de Tricloroetano y Tetracloroetano | MAD-C-PE-0164 (HS/CG/MS) | 10 | < 0.5 ±36% | µg/L |
| Tetracloroetano | MAD-C-PE-0164 (HS/CG/MS) | | < 0.5 ±27% | µg/L |
| Tricloroetano | MAD-C-PE-0164 (HS/CG/MS) | | < 0.5 ±25% | µg/L |
| Trihalometanos | | | | |
| Suma de Trihalometanos | MAD-C-PE-0164 (HS/CG/MS) | 100 | 30.2 | µg/L |
| Bromodiclorometano | MAD-C-PE-0164 (HS/CG/MS) | | 4.5 ±19% | µg/L |
| Bromoformo | MAD-C-PE-0164 (HS/CG/MS) | | 12.1 ±21% | µg/L |
| Cloroformo | MAD-C-PE-0164 (HS/CG/MS) | | 1.7 ±19% | µg/L |
| Dibromoclorometano | MAD-C-PE-0164 (HS/CG/MS) | | 11.9 ±19% | µg/L |
| BTEXs | | | | |
| Benceno | MAD-C-PE-0164 (HS/CG/MS) | 1 | < 0.5 ±24% | µg/L |
| Hidrocarburos aromaticos policiclicos | | | | |
| Benzo-a-pireno | MAD-C-PE-0185 (SBSE/CG/MS) | 0.01 | < 0.005 ±24% | µg/L |
| Suma de 4 Hidrocarburos Aromaticos Policiclicos | MAD-C-PE-0185 (SBSE/CG/MS) | 0.1 | < 0.02 ±69% | µg/L |
| Benzo-(g,h,i)-perileno | MAD-C-PE-0185 (SBSE/CG/MS) | | < 0.01 ±24% | µg/L |
| Benzo-b-fluoranteno | MAD-C-PE-0185 (SBSE/CG/MS) | | < 0.01 ±24% | µg/L |
| Benzo-k-fluoranteno | MAD-C-PE-0185 (SBSE/CG/MS) | | < 0.01 ±25% | µg/L |
| Indeno-(1,2,3-c,d)-pireno | MAD-C-PE-0185 (SBSE/CG/MS) | | < 0.01 ±25% | µg/L |
| Plaguicidas | | | | |
| Suma de plaguicidas | MAD-C-PE-0185 (SBSE/CG/MS) | 0.5 | < 0.30 | µg/L |
| a-HCH | MAD-C-PE-0185 (SBSE/CG/MS) | 0.1 | < 0.01 ±26% | µg/L |
| Aldrin | MAD-C-PE-0185 (SBSE/CG/MS) | 0.03 | < 0.01 ±26% | µg/L |
| Ametrina | MAD-C-PE-0185 (SBSE/CG/MS) | 0.1 | < 0.01 ±25% | µg/L |
| Atrazina | MAD-C-PE-0185 (SBSE/CG/MS) | 0.1 | < 0.02 ±25% | µg/L |
| b-HCH | MAD-C-PE-0185 (SBSE/CG/MS) | 0.1 | < 0.01 ±25% | µg/L |
| d-HCH | MAD-C-PE-0185 (SBSE/CG/MS) | 0.1 | < 0.05 ±26% | µg/L |
| Diazinón | MAD-C-PE-0185 (SBSE/CG/MS) | 0.1 | < 0.01 ±26% | µg/L |
| Dieldrín | MAD-C-PE-0185 (SBSE/CG/MS) | 0.03 | < 0.005 ±26% | µg/L |
| Endosulfan I | MAD-C-PE-0185 (SBSE/CG/MS) | 0.1 | < 0.05 ±25% | µg/L |
| Endosulfan II | MAD-C-PE-0185 (SBSE/CG/MS) | 0.1 | < 0.02 ±25% | µg/L |
| Endosulfan sulfato | MAD-C-PE-0185 (SBSE/CG/MS) | 0.1 | < 0.01 ±25% | µg/L |
| Endrín | MAD-C-PE-0185 (SBSE/CG/MS) | 0.1 | < 0.005 ±25% | µg/L |
| Endrín cetona | MAD-C-PE-0185 (SBSE/CG/MS) | 0.1 | < 0.01 ±24% | µg/L |

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| Etión | MAD-C-PE-0185 (SBSE/CG/MS) | 0.1 | < 0.01 ±25% | µg/L |
| Heptaclor | MAD-C-PE-0185 (SBSE/CG/MS) | 0.03 | < 0.01 ±26% | µg/L |
| Heptaclor epóxido | MAD-C-PE-0185 (SBSE/CG/MS) | 0.03 | < 0.01 ±26% | µg/L |
| Lindano | MAD-C-PE-0185 (SBSE/CG/MS) | 0.1 | < 0.01 ±25% | µg/L |
| Metil-paratión | MAD-C-PE-0185 (SBSE/CG/MS) | 0.1 | < 0.02 ±24% | µg/L |
| Metoxiclor | MAD-C-PE-0185 (SBSE/CG/MS) | 0.1 | < 0.01 ±26% | µg/L |
| p,p'-DDD | MAD-C-PE-0185 (SBSE/CG/MS) | 0.1 | < 0.01 ±26% | µg/L |
| p,p'-DDE | MAD-C-PE-0185 (SBSE/CG/MS) | 0.1 | < 0.01 ±26% | µg/L |
| p,p'-DDT | MAD-C-PE-0185 (SBSE/CG/MS) | 0.1 | < 0.01 ±26% | µg/L |
| Paratión | MAD-C-PE-0185 (SBSE/CG/MS) | 0.1 | < 0.01 ±24% | µg/L |
| Prometrina | MAD-C-PE-0185 (SBSE/CG/MS) | 0.1 | < 0.01 ±24% | µg/L |
| Propazina | MAD-C-PE-0185 (SBSE/CG/MS) | 0.1 | < 0.01 ±25% | µg/L |
| Simazina | MAD-C-PE-0185 (SBSE/CG/MS) | 0.1 | < 0.05 ±25% | µg/L |
| Terbutilazina | MAD-C-PE-0185 (SBSE/CG/MS) | 0.1 | < 0.01 ±25% | µg/L |
| Terbutrina | MAD-C-PE-0185 (SBSE/CG/MS) | 0.1 | < 0.005 ±24% | µg/L |
| Trietazina | MAD-C-PE-0185 (SBSE/CG/MS) | 0.1 | < 0.01 ±24% | µg/L |
| Cianotoxinas | | | | |
| Suma de microcistinas | MAD-C-PE-0265 (HPLC/MS/MS) | 1 | < 0.50 ±30% | µg/L |
| Microcistina-LA | MAD-C-PE-0265 (HPLC/MS/MS) | | < 0.25 ±19% | µg/L |
| Microcistina-LR | MAD-C-PE-0265 (HPLC/MS/MS) | | < 0.25 ±19% | µg/L |
| Microcistina-RR | MAD-C-PE-0265 (HPLC/MS/MS) | | < 0.25 ±19% | µg/L |
| Microcistina-YR | MAD-C-PE-0265 (HPLC/MS/MS) | | < 0.25 ±19% | µg/L |
| Caracteres microbiológicos | | | | |
| Bacterias coliformes | MAD-M-PE-0088 (Filtración sobre membrana) | 0 | 0 | u.f.c./100 mL |
| <i>Clostridium perfringens</i> | MAD-M-PE-0152 (Filtr.Membrana) | 0 | 0 | u.f.c./100 mL |
| Enterococos | MAD-M-PE-0102 (Filtración sobre membrana) | 0 | 0 | u.f.c./100 mL |
| <i>Escherichia coli</i> | MAD-M-PE-0088 (Filtración sobre membrana) | 0 | 0 | u.f.c./100 mL |
| Microorganismos aerobios a 22°C | UNE-EN-ISO 6222:1999 (Siembra Masa: Agar Extracto Levadura.22°C/72h - 36°C/48h) | | <1 | u.f.c./mL |

OBSERVACIONES

Resultados en microbiología: de 1 a 3 ufc se interpreta como organismo presente y de 4 a 9 ufc como recuento estimado.

Este informe sólo afecta a la muestra analizada. Sólo podrá reproducirse parcialmente con la autorización por escrito del laboratorio.

Aprobado en Interlab Madrid por Técnico Superior: Inmaculada Simón De Pablo, Director Técnico: María José Vázquez.

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