## Annual Report of Kumamoto Prefectural Institute of Public-Health and Environmental Science No. 42 2012 Contents (Research)

## Regular Articles

1) A Case of Food Poisoning Detected *Escherichia albertii* and Enterohemorrhagic *Escherichia coli* (O183: H18)

Masato FURUKAWA, Eisuke TOKUOKA\*1, Keigo EKINAGA\*2, Haruki TOKUNAGA\*3, Ryusei HIGASHI\*2, Tadasuke OOKA\*4, Tetsuya HAYASHI\*4 and Seiya HARADA

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2) A Case of Unexplained Botulism in Kumamoto, June 2012

Masato FURUKAWA, Eisuke TOKUOKA\*1, Yoshihisa TAKAMOTO\*2, Kana SHIIBA\*3, Ai HAMAMOTO\*3, Mari KINOSHITA\*4, Tomoko AMANO\*4 and Seiya HARADA

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3) Prevalence of Enterovirus (EV) Infection and Genetic Analysis of EV Detected from the Aseptic Meningitis Patients in Kumamoto Prefecture

Naoko KIYOTA, Koichi NISHIMURA\*, Kenta YOSHIOKA and Seiya HARADA

- \* Department of Health and Social Services, Pharmaceutical Affairs Division, Kumamoto Prefectural Government
- 4) Determination of Isotianil in Brown Rice and Soil Using Supercritical Fluid Extraction and Gas Chromatography/Mass Spectrometry

Tatsuo YOSHIDA, Rise YAMAMOTO, Toshiaki TOBINO and Hiroshi MURAKAWA

5) Determination of Glyphosate, Glufosinate and their Metabolites in Drinks by Hydrophilic Interaction Chromatography/Tandem Mass Spectrometry

Tatsuo YOSHIDA and Hiroshi MURAKAWA

6) Simple and Rapid Determination of Malachite Green in Fishery Products

Hirotoshi HAMADA\*, Rise YAMAMOTO and Hiroshi MURAKAWA

- \* Department of Health and Social Services, Health and Social Services Policy Division, Kumamoto Prefectural Government
- 7) Simultaneous Determination Method for Residues of Veterinary Medicinal Products in the Insides from Livestock Foods

Hirotoshi HAMADA\*, Rise YAMAMOTO and Hiroshi MURAKAWA

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8) Joint Investigation Results of Hazardous Air Pollutants in the Region of Kyushu and Yamaguchi

Toshihiko MURAOKA, Satoshi TOYONAGA, Shoei FURUSAWA and Hiromichi KITAOKA

- 9) Monitoring of Photochemical Oxidant in Aso Area (Fiscal year 2012) Shoei FURUSAWA, Toshihiko MURAOKA and Hiromichi KITAOKA
- 10) Analysis of High Concentration Oxidant Observation Case in Aso Area Shoei FURUSAWA, Toshihiko MURAOKA and Hiromichi KITAOKA
- 11) The Result of Survey of Ariake and Yatsushiro Sea
  - Water Quality, Sediment and Solution Rate of Nutrients
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- 12) Behavior of Escherichia Coli and Coliform Bacteria in River Water in Kumamoto
  - The Results of Survey by HGMF using Defined Substrate Agar (H23∼H24)
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## Reports

- 1) Epidemiological Surveillance of Infection Diseases in Kumamoto Prefecture (2012) Kenta YOSHIOKA, Naoko KIYOTA, Youichi MURATO\* and Seiya HARADA
  - \* Department of Health and Social Services, Kuma Regional Promotion Bureau, Kumamoto Prefectural Government
- 2) Investigation of Japanese Encephalitis (2012) Hideo OSAKO, Naoko KIYOTA, Kenta YOSHIOKA and Seiya HARADA
- 3) Simultaneous Analysis of Residual Veterinary Drugs in Livestock Foods using Liquid Chromatography/Tandem Mass Spectroscopy (3)
  - Validation on Analysis Method with Beef
     Hirotoshi HAMADA, Hidekazu YOSHIMOTO and Hiroshi MURAKAWA
    - \* Department of Health and Social Services, Health and Social Services Policy Division, Kumamoto Prefectural Government
- 4) Simultaneous Analysis of Residual Veterinary Drugs in Livestock Foods using Liquid Chromatography/Tandem Mass Spectroscopy (4)
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    - \* Department of Health and Social Services, Health and Social Services Policy Division, Kumamoto Prefectural Government
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- 6) Long-Term Monitoring of Acid Deposition in Kumamoto Prefecture (2011, 2012)
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- 7) Relation between Fluoride Concentration in Well Water and Well Depth in a Midori River Downstream Left-bank Area Yasuhito OZASA