Title (Centered, Bold, Arial, font size 12, max 3 lines)

Presenting Author[1], Second Author[2], Third Author[3] (Arial, font size 12)

[1]Affiliation & Address; [2] Affiliation & Address; [3] Affiliation & Address (Arial, font size 10)

Underline the name of presenting author. Leave a double space before starting the text and a single space between paragraphs. The text should be no longer than 300 words (1 page) and include the purpose, findings, conclusions, and areas that may require future work. Any references should be numbered (in superscript form) sequentially in the text by the order of mention. The complete citation must be placed at the end of the text. Please leave a space between paragraphs. The first paragraph should provide some background information on the work being presented as well as the objective of the study.

The second paragraph should state both the general method used as well as any relevant materials. A statement of general results/findings should also be included (specifics should be saved for the presentation). No figures or tables are needed.

The third paragraph should contain a short conclusion. Text should be left justified and single spaced (Arial, font size 12). The page margins should be set at 2.54 cm (top and bottom) and 3.17 cm (left and right). An example abstract is given below.

Determination of 100 Endocrine Disrupting Compounds, Pharmaceuticals, and Personal Care Products (PPCP) in River Water Using APCI and ESI Ionization

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Endocrine disrupting compounds (EDCs) are a wide range contaminates ranging from pesticides, herbicides, personal care product, pharmaceuticals, and steroids that are thought to disrupt the endocrine function of mammals and fishes. Recently the biological effects of EDCs have been at the forefront of concern. In order to properly assess the effects of these compounds on our environment it is necessary to accurately monitor their presence in the environment. Presented is a method for analyzing up to 100 EDC compounds using LC/MS/MS. This method presents a straight forward approach for the analysis of these compounds with excellent sensitivity and ruggedness.

The method uses a MDS Sciex API 4000™ LC/MS/MS system equipped with a Shimadzu Prominence autosampler and binary LC pump. Ionization is achieved by using electrospray ionization (ESI) and Atmospheric Chemical Ionization (APCI) in the DuoSpray source. All compounds are monitored using two multiple reaction monitoring (MRM) transitions per compound. The most sensitive MRM is used for quantitation while the second MRM is used for qualitative confirmation using ion ratio determinations. Ionization in negative and positive polarity is necessary to detect compounds of various chemical properties. Chromatography is performed on a C18 reverse phase column. A water/acetonitrile gradient with 0.01% formic acid is used for separation. Sample preparation is performed using solid phase extraction.

Up to 100 endocrine disrupting compounds have been analyzed using this methodology. Detection and quantitation of all compounds is achieved down to low part per trillion levels. The developed method was successfully used to identify and quantify unknown contaminants in river water samples.