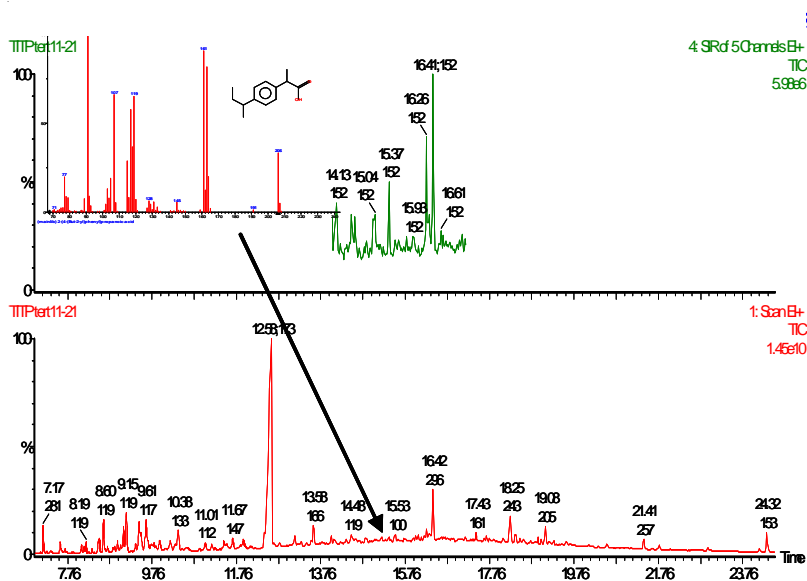


# Environmental Chemical Work at DYNAFLOW

*DYNAFLOW provides environmental chemistry and engineering services that can expand your organization R & D capabilities.*

DYNAFLOW can provide consulting services, sample analysis, treatability and feasibility studies, and pilot plant studies. Areas of expertise are:

- Oxidation – Reduction chemistry.
- Advanced Oxidation Processes (i.e. cavitation, UV/Ozone, UV/Hydrogen Peroxide, and Ozone/Hydrogen Peroxide).
- Zero-valent metals reduction.
- Identification and analysis of Pharmaceuticals and Personal Care Products in water and wastewater.
- Trace Organic analysis in water and wastewater.



*The PE Clarus GC/MS can operate in Total Ion Count and Selected Ion Reporting modes simultaneously. Thus low detection limits can be achieved without the loss of information on the sample. The figure below shows SIR + TIC data for wastewater effluent sample and the identification of Ibuprofen at 0.63 ug/L.*

Commercial analytical labs often cannot perform non-standard or unusual analyses. If there is no EPA or ASTM method for your sample, it is often difficult to find analytical support. DYNAFLOW is an applied sciences research and development company and R&D is our core business. We can develop analytical methods for non-standard analytes, including gas chromatography (GC) and mass spectroscopy (MS) method development and validation.

DYNAFLOW has in-house analytical chemistry, microbiology, and filtration fabrication laboratories, and pilot plant facilities. We can perform treatability studies for oxidation and disinfection of water and other materials. Our pilot plant capabilities range from a few liters to several thousand gallons.

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