

# PROTECT OUR MOST PRECIOUS RESOURCE

The Measure of Confidence

## TRACE-LEVEL ANALYSIS IN WATER

### Make sure you're not missing a thing in your trace-level analysis with Agilent Inert Flow Path solutions

Minimal compound loss and degradation are critical to avoiding false negatives when you are analyzing potentially harmful trace organic compounds, including disinfection by-products (DBPs), in water. You can be confident that active analytes will successfully migrate from injector to detector by choosing **Agilent Inert Flow Path solutions**.

By ensuring reliable, consistent inertness, Agilent Inert Flow Path solutions decrease analyte adsorption for lower detection limits, better s/n response, and greater precision. They also deliver:

- Increased signal for more accurate peak identification
- Minimum peak tailing for active analytes
- Longer maintenance-free instrument uptime

Figure 1.

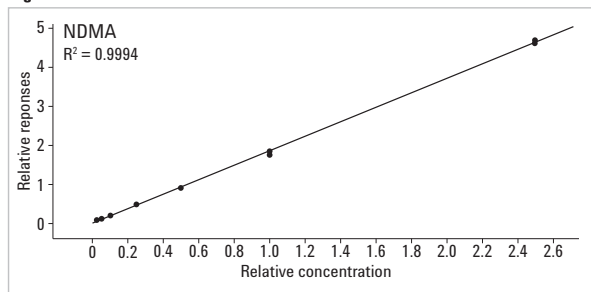


Figure 1. Calibration curves for nitrosamine standards in methylene chloride: 0.5, 1, 2, 5, 10, 20, and 50 ppb.

Figure 2.

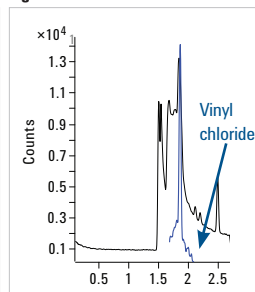


Figure 2. SIM-TIC of volatiles standard lowest calibrator, 54 compounds at 0.05 ppb, three ISTDs at 2 ppb, and six gases at 0.10 ppb.

You'll find the complete application in the trace-level analysis information kit. Request yours at [agilent.com/chem/trace](http://agilent.com/chem/trace)



### Trace-level analysis information kit – with applications

Increase sensitivity and precision, while saving time and costs. Includes:

- Analysis of Nitrosamines in Drinking Water Using the Agilent 5977A Series GC/MSD System (5991-1970EN)
- Environmental Volatiles Using an Agilent 7697A Headspace Sampler, an Agilent 7890B GC and an Agilent 5977A Series GC/MSD (5991-2108EN)

Request yours now at [agilent.com/chem/trace](http://agilent.com/chem/trace)

See other side... ►

for workflow solutions that will carry you through every step of your analysis



Agilent Technologies

# Explore all of our trace organic compounds and DBP product offerings

Confidently screen and quantitate – especially at trace levels – with the widest range of GC/MSD solutions.

## SAMPLE PREPARATION:

**Accurate trace organic compounds and DBP analyses start here**

With Agilent sample preparation products, you can *efficiently and quantitatively* extract the analytes you're looking for – ensuring reproducible results right from the start.

- Use less chlorinated solvent and simplify liquid-liquid extractions with **Chem Elut SLE**
- Lower your detection limits by using **Bond Elut SPE** products to clean and concentrate samples
- Prepare challenging samples with greater flexibility using **Bond Elut QuEACHERS** extraction and cleanup protocols



## NEW AGILENT 5977A SERIES GC/MSD:

**Resolve your search for sensitivity, speed, and integration**

The **Agilent 5977A Series GC/MSD** exceeds the method requirements of environmental regulatory agencies worldwide with new features such as:

- A total inert GC flow path through proprietary surface chemistries
- A highly sensitive new Extractor Ion source
- Optimized analysis and reporting software – including USEPA Method 551.1, EU WFD, and other global standards for water samples
- Programmable Helium Conservation Module reduces helium consumption in analysis and standby modes
- *In situ* source conditioning optimizes PAH analysis



## MASSHUNTER SOFTWARE WITH MSD CHEMSTATION:

**Deliver accurate and actionable GC/MS data on demand**

- **MSD ChemStation** continues a 20-year tradition of helping labs develop, distribute, and share sensitive GC/MS methods and reports.
- **MassHunter** provides a unified platform for all Agilent MS products – and puts the latest MS tools to work in your lab.



## SUPPORT SERVICES:

**Solve problems quickly and increase your uptime**

With service center operations in 65 countries, a global dispatch system, and call centers ready to assist you with Agilent and other manufacturers' brands instruments, Agilent provides the personalized support you need for greater efficiency, productivity, and confidence.



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