

**Vista Analytical Laboratory** is the premier provider of magnetic sector MS analytical support services. The continued growth of Vista's international client base is attributable to the reputation Vista has gained in performing difficult trace level analyses reliably for the pulp and paper, air toxics consulting, and the chemical industries.

Vista's expertise lies in the analysis of semi-volatile organic compounds such as Dioxin/Furans (PCDD/PCDFs), Polynuclear Aromatic Hydrocarbons (PAHs), Polychlorinated Biphenyls (PCBs), Polybrominated Diphenyl Ethers (PBDEs), and other selected trace organics.

Vista's commitment to internally funded research is reflected in our development of new methods and in our frequent presentations at technical conferences. Recent studies include the development of an analytical method for the determination of brominated diphenyl ether levels in electronic waste (e-waste), research on PCB levels in the Venice lagoon, and a survey of dioxin and furan sources in China.

William J. Luksemburg, President, and Martha M. Maier, Laboratory Director, manage the skilled technical staff and laboratory operations. Vista is housed in a custom designed laboratory located in the foothills of the Sierra Nevada mountains.



**Specialists in  
High Resolution  
Mass Spectrometry**

**Visit us at:  
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## *Analytical Services*

Vista performs all USEPA, CARB and NCASI methods for the determination of dioxins



and furans, PCBs, PAHs, PBDEs and other organic contaminants by High Resolution Mass Spectrometry.

The following list are the methods performed routinely by Vista Analytical Laboratory.

### ▪ *PCDD/Fs (Dioxins/Furans)*

- EPA Method 1613
- EPA Method 8290
- EPA Method 8280
- EPA Method 613
- NCASI 551

### ▪ *Polychlorinated Biphenyls (PCBs)*

- EPA Method 1668
  - Coplanar PCBs
  - 209 Congeners List
  - PCB Homologue Totals

### ▪ *Polybrominated Diphenyl Ethers (PBDE)*

- EPA Method 1614 (draft)

### ▪ *Air Analysis*

- EPA Method 23 & 0023A
- Modified Methods TO-9A & TO-13
- CARB Method 428 & 429
- EPA Method 1668

## *Environmental Matrices*

- Air
- Drinking Water
- Industrial Waste
- Soil/Sediment
- Pulp & Paper Products
- Biological Samples
- Human Blood and Tissue
- Fuel Oil
- Biosolids

## *Quality Assurance*

Vista's Quality Assurance program has been designed to ensure that our laboratory reports meet or exceed the data quality objectives stipulated in the analytical methods and in our clients' program plans.

Vista's emphasis on quality requires an extensive QA/QC program, which includes internal as well as external laboratory audits, monitoring of OPR (Ongoing Precision and Recovery) samples and method blank results, and the routine analysis of PE samples.

Vista maintains NELAP certification, as well as numerous state certifications. Please contact the laboratory for a current certification list.



## *Deliverables*

Vista's standard reporting format includes a clear and concise summary report and Electronic Data Deliverable (EDD) in spreadsheet format. A full range of extended deliverables is available in hardcopy or compact disk (CD) formats. Vista also offers customized reports to meet specialized requirements.

## *The Staff*

Vista Analytical Laboratory is comprised of 15 scientists with unparalleled experience in the analysis of PCBs, PCDD/PCDFs, PAHs, and other selected compounds.

The staff includes experts in every phase of analysis, many of whom were involved in the development and validation of several benchmark HRMS methods. The knowledge and expertise of our team allows Vista to provide unsurpassed service to our clients.



## *Routine 21 day TAT*

Vista's standard turnaround time is 21 calendar days. Vista also offers RUSH services upon request. Please contact our project managers for more details.