

Marine and Freshwater Projects

Vista Analytical Laboratory (formerly Alta Analytical) specializes in High Resolution Mass Spectrometry (HRMS) and LC-MS/MS analyses of Sediment, Water, Pore Water, Tissue and Biota. We have over 20 years of experience with these matrices from marine and freshwater environments. You will want us involved when the data needs to be of the highest quality and the lowest possible detection limits are required – whether that be for site evaluation, dredging activities, remediation or toxicological risk assessments.

The first critical laboratory step in producing the best representative data begins with sample extraction and purification. Trust these processes to scientists who understand the possibilities of performance-based EPA methods. Vista's research and diligence have brought great advances in techniques, producing the lowest detection limits and the cleanest laboratory blanks in the industry.

Vista performs many EPA testing methods on sediment, tissue, water and biota, including:

Method	Aqueous RL Range	Sediment/Tissue RL Range
EPA 1613/8290 - Dioxin/Furans	5-50 pg/L	0.5-5.0 pg/g (ppt)
EPA 8280 - Dioxin/Furans	2-10 ng/L	200-1000 pg/g
EPA 1668A/C - PCB Congeners	5-20 pg/L	2.5-5.0 pg/g
EPA 1614 - PBDEs	50-500 pg/L	5.0-100 pg/g
EPA 1699 - Organochlorine Pesticides	40-400 pg/L	20-200 pg/g
CARB 429 - PAHs	5-15 ng/L	2.5-6.25 ng/g (ppb)
EPA 1694 – Pharma and Personal Care Products	1-10 ng/L	0.4-25 ng/g
EPA 537 – Perfluorochemicals	2.0 ng/L	0.5 – 1.0 ng/g

Our project involvement stretches from coast to coast...

ENVIRON – Sediment and aqueous samples from the Hackensack River and Newark Bay for PCB Congeners. Results published in *Organohalogen Compounds, Vol. 66*.

Teck American Incorporated – Tissue samples for PCDD/F, PBDEs and congener-specific PCBs, as well as aqueous and sediment samples for PCB Congeners as part of the Upper Columbia River Study.

Integral Consulting – Aqueous and sediment samples for congener-specific PCBs as part of the Portland Harbor Study.

CH2M Hill – Tissue and sediment samples from an industrial client in Louisiana for Dioxins/Furans. Vista has supported this project for over 10 years.

Clients come to Vista because they can depend on us to get it right! We consistently deliver accurate reports on time. We're flexible— we effectively support our clients who deal with very dynamic scenarios, needing results with turnaround times as short as 48 hours! Whether it's a weekend sample delivery or finding an analytical approach for a non-standard compound or matrix, we're ready. And we don't shy away from R&D. Our experienced scientists and project managers don't just generate data, they verify every result independently of computer algorithms and help our clients with interpretation of data that are, at times, not-so-straightforward.

Experience. Expertise. Accurate results.
Call us to experience why Vista Analytical is clearly superior.