



# SEDD Deliverable

## What is SEDD?

The Staged Electronic Data Deliverable (SEDD) is an inter-agency effort to create a generic format for electronic delivery of analytical data for environmental programs. SEDD is a hierarchical file created by a Laboratory Information Management System (database). A SEDD file contains information regarding the chemical analysis of sample(s). Information (analytical results) from a SEDD file can be reviewed and then input into customer databases using parsing routines. Parsing routines need to be written ONLY once for each database type. The data deliverable generated by SEDD is an industry-standard Extensible Markup Language (XML) file.

## The SEDD Stages

SEDD has four stages of data elements based on the following criteria:

**Stage 1** contains the minimum number of analytical data elements to convey results ONLY data to the end user (and is equivalent to the data on the current CLP Form I).

**Stages 2a and 2b** build on Stage 1. Stages 2a and 2b add method and instrument Quality Control data, respectively.

**Stage 3** builds on Stages 1 and 2, and adds additional measurement data to allow for independent recalculation of reported results. Stage 3 will be similar in detail to the current CLP electronic deliverable.

**Stage 4** builds on Stages 1, 2, and 3 and adds the raw instrument data files. This Stage is currently under development by EPA ASB.

## Pilots & Inter-Agency Efforts

EPA ASB is working with offices from the United States Army Corps of Engineers (USACE) to develop contract requirements for delivery of electronic files based on the SEDD Specification. Joint efforts are also underway to develop tools for reviewing SEDD deliverables utilizing existing data review software. In addition, ASB is working with the EPA National Air & Radiation Laboratory, the US Army, and Department of Energy to develop SEDD for radiation chemistry methods.

## The ALS Environmental Connection

ALS was awarded one of the first Organic CLP contracts that required Stage 3 SEDD as its electronic data deliverable. As Stage 4 comes on line, ALS will be in the forefront encompassing all SEDD contract requirements to serve not only government agencies but commercial clients as well.

### ALS Environmental Locations Across North America

Canada: Burlington · Calgary · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay  
Vancouver · Waterloo · Winnipeg · Yellowknife United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Salt Lake City Mexico: Monterrey