



# TNI Method and Analyte Codes

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## Why do we need codes?

Easy, unambiguous  
electronic communication



# Why do we need codes?

- Multiple analyte names for same compound
- CAS #s not unique
- Not all analytes have CAS #
- Combinations of Method Reference and Revision
- Computers have difficult time with spaces and punctuation



# History

- Original tables (Excel) were developed by Chuck Wibby for the NELAC PTOB and posted on NELAC site.
- NELAC PTOB commissioned a subcommittee to update tables.
  - Add new methods and analytes
  - Remove duplicates
- Tables maintained by subcommittee for INELA.



# History

- Tables were assigned to TNI database committee (still Excel).
- Once LAMS came online, information was transferred to the database and available online.
- Table maintenance performed by the LAMS database administrator.



# Analyte Codes

- Analyte categories
  - Air Testing
  - Metals
  - Microbiology
  - Miscellaneous
  - Non-Metal Inorganics
  - Organometallic
  - Prep



# Analyte Codes

- Analyte Categories
  - Radiochemistry
  - SVOC-BDE
  - SVOC-BNA
  - SVOC-Herbicides
  - SVOC-Hydrocarbons
  - SVOC-NOS
  - SVOC-PCBs



# Analyte Codes

- Analyte Categories
  - SVOC-Pesticides
  - SVOC PPCPs
  - VOC
  - WET







# Analyte Codes

- Analyte assigned to category.
- Category list alphabetized.
- Unique 4-digit code assigned in numerical order.



# Analyte Code Table

- TNI Analyte Code
- Analyte Name
- CAS Number
- Category
- Date Added
- Date Modified



# Method Codes

- Each code assigned for unique combination of
  - Method Reference (EPA 524.2)
  - Method Revision (4.1)
  - Revision Date (1995)
- 8-digit unique code with last digit checksum



# Method Codes

- First digit indicates method source
  - 1 – EPA
  - 2 – Standard Methods
  - 3 – ASTM
  - 4 – USGS
  - 5 – AOAC
  - 6 – Other Sources
  - 9 – Other Government



# Method Codes

- Methods grouped by source
- Method reference sorted alpha/numeric
- Unique code assigned in approximate numeric order.



# Method Code Table

- TNI Code
- Method (Reference)
- Revision
- Revision Date
- Name
- Technology
- Title
- Source





# Method Code Table

- Citation
- Approved under Part 136
- Approved under Part 141
- Date Added
- Date Modified
- Active





# Method Code Table

- Recent changes
  - Change SM revision date to method approval date.
  - Change EPA method revision date to correct date or NA as appropriate.
  - Added field for Part 136 approval.
  - Added field for Part 141 approval.





# Method Code Table

- Future updates
  - Continue to update official method titles.
  - Update short method names for more clarity and consistency.
  - Move duplicate methods (ones with no revision dates or those not approved for use) to inactive.
  - Move outdated, withdrawn, or methods not being used to inactive status.

