



N.J. LABORATORY TEST REQUIREMENT CHANGES – 2010

1/25/2010

1. Change from PP list to TCL/TAL

Amendments to the NJDEP Tech Rules (11/4/09) eliminate the option of reporting Priority Pollutant List compounds for analyses outlined on Table 2-1. Following are the new requirements:

*Contact your IAL
salesperson to discuss
project requirements and
pricing.*

- Petroleum Products

Soil/Sediment and Groundwater samples must be analyzed for Target Compound List (TCL) VOCs +10 (624/8260B), SVOCs +20 (625/8270C), and for TAL Metals (200/6000/7000 Series), as dictated by the petroleum product type. *ALSO, NOTE THE ADDITIONAL GROUNDWATER DETECTION REQUIREMENTS BELOW.*

(Source: [NJDEP SRP - Technical Requirements for Site Remediation](#))

- Unknown contaminants

Samples shall be analyzed for TCL VOCs+10, TCL SVOCs +20, TCL Pesticides, TCL PCBs, and for TAL Metals & Cyanide (TCL/TAL +30), Hexavalent Chromium, Petroleum Hydrocarbons and pH, per page 49, 11/4/09 Tech Rules. *ALSO, NOTE THE ADDITIONAL GROUNDWATER DETECTION REQUIREMENTS BELOW.*

(Source: [NJDEP SRP - Technical Requirements for Site Remediation](#))

- Additional groundwater detection requirements

To achieve compliance with NJDEP's GWQS, TCL VOCs must also be analyzed by 8011 for Ethylene dibromide and 1,2-Dibromo-3-Chloropropane, and TCL BNs and or PAH must also be analyzed by 8270C SIM (Selected Ion Monitoring).

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2. Change of TPH test to NJ – EPH (Extractable Petroleum Hydrocarbons) Protocol

NJDEP is phasing in a new test protocol to assess the concentration of petroleum hydrocarbon contamination. The dates and conditions of the phase in are complex and should be carefully evaluated.

NJDEP has recommendations for implementing the Protocol which can be accessed through the link below.

<http://www.state.nj.us/dep/srp/guidance/rs/#phc> – PHC Guidance

Note that as of the date of this writing (1/11/2010), no laboratories are certified by the State of New Jersey to perform the proposed test.

3. Change of TO-15 test to LL TO-15 Test (Low Level VOC testing via GC-MS, with Summa Canister sample collection – originally planned for in 2007)

Integrated Analytical Laboratories is pleased to announce that on January 21, 2010, the laboratory was granted certification for Low-Level TO-15 (LLTO-15) by the NJDEP. IAL is only the second lab in the nation to receive this certification and the first lab in New Jersey.

LLTO-15 is a modified version of EPA Method TO-15 with stricter quality control rules and lower reporting limits. The purpose of LLTO-15 is to move the reporting limits for some compounds closer to the health based criteria.

While not required yet, once 3 laboratories become certified, the NJDEP will ultimately require all TO-15 analyses to be conducted using LLTO-15. This will occur after a 6-month “phase-in” period.

If you have any questions pertaining to the change in methodology, please feel free to contact IAL’s Air Laboratory at (973) 361-4252 x273.

Important websites:

Updates on NJDEP Method LLTO-15 –

<http://www.state.nj.us/dep/srp/guidance/vaporintrusion/newmethod2007/>

What's New: Vapor Intrusion Updates from the NJDEP -

<http://www.state.nj.us/dep/srp/guidance/vaporintrusion/whatsnew.htm>