

9443.1987(33)

TOTAL CONSTITUENT ANALYSIS TO DETERMINE HAZARDOUS
CHARACTERISTICS OF WASTE SAMPLE

DEC 31 1987

Ms. Joanna Cole
4460 Singleton Blvd.
Dallas, TX 75212

Dear Ms. Cole:

As mentioned in our telephone conversation of December 16, 1987 regarding the difficulty of analyzing for chlorinated compounds in the leachate from your waste samples, I would suggest that you do the following.

Perform a total constituent analysis of the waste itself using SW-846 methods and assume that all of the compounds leach from the waste. If the guidance levels of the compounds are not exceeded assuming 100% leaching, then no further analysis or testing is required. To determine 100% leachability, the following calculation may be performed on the compounds found in the total analysis:

$$\begin{array}{rcl} \text{maximum theoretical} & & \text{concentration of compound} \\ \text{extract concentration} & = & \text{in waste (mg/kg)} \\ \text{(mg/L)} & & \text{-----} \\ & & 20 * \end{array}$$

* liquid to solid ratio in the TCLP

If the maximum theoretical extract concentration is exceeded, then the waste should be considered hazardous.

If you have any further questions, please give me a call at (202) 475-6722.

Sincerely yours,

Gail Ann Hansen
Environmental Health Scientist
Methods Section (WH-562B)

RO 13116