

**Appendix A  
EDF ERP-VVED-072  
Soil Gas Survey**

## **Appendix A**

**Engineering Design File, ERP-WVED-072, Soil Gas Survey**

9/16/92

TO VIEW APPENDIX A SEE:

DOCUMENT NUMBER: ERP-VVED-072

TITLE: Soil Gas Survey

**Appendix B**  
**Conversion Table**  
**for Soil Gas Conc.**

**Appendix B**

**Conversion Table for Soil Gas Concentrations**

## Appendix B

CONVERSION TABLE FOR SOIL GAS CONCENTRATIONS<sup>a</sup>  
(MW = molecular weight of contaminant)

(ppm)	(mg/m <sup>3</sup> or $\mu\text{g/l}$ )	( $\mu\text{g/m}^3$ )
1.0	MW + 24.45	MW + 0.02445
24.45 + MW	1.0	1000
0.02445 + MW	0.001	1.0

Example: for  $\text{CCl}_4$ , MW = 153.8. Therefore:

$$1.0 \text{ ppm} = 6.29 \text{ mg/m}^3 = 6.29 \mu\text{g/l} = 6290 \mu\text{g/m}^3$$

$$0.159 \text{ ppm} = 1.0 \text{ mg/m}^3 = 1.0 \mu\text{g/l} = 1000 \mu\text{g/m}^3$$

$$1.59 \times 10^{-4} \text{ ppm} = 1.0 \times 10^{-3} \text{ mg/m}^3 = 1.0 \times 10^{-3} \mu\text{g/l} = 1.0 \mu\text{g/m}^3$$

a. Taken from EG&G Engineering Design File ERP-VVED-063.