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## The Student Volume 5

By -

RareBooksClub. Paperback. Book Condition: New. This item is printed on demand. Paperback. 24 pages. Original publisher: Greenbelt, Md. : NASA Goddard Space Flight Center, 2000 OCLC Number: (OCoLC)83756137 Excerpt: . . . 9. 3. 2 Calculated Variables Porewater CH<sub>4</sub> concentration ( PWCH<sub>4</sub> ) was calculated as: CH<sub>4</sub>hs P Po Kh Vhs Vw ( CH<sub>4</sub>hs-CH<sub>4</sub>amb ) P RT where: CH<sub>4</sub>hs is the equilibrated headspace concentration of CH<sub>4</sub> ( ppm ) P and Po are ambient and sea-level atmospheric pressures ( 101325 Pa ) CH<sub>4</sub> Kh is the Henrys law constant for at ambient temperature ( 298 K ) Vhs and Vw are the volumes of headspace and water in the syringe CH<sub>4</sub>amb is the ambient CH<sub>4</sub> concentration ( 1. 8 ppmv ) R is the universal gas constant ( 8314. 4 L Pa K mol T is the ambient temperature ( 298 K ) Porewater concentration calculated as: ( PWCO<sub>2</sub> ) was CO<sub>2</sub> CO<sub>2</sub>hs P Po Kh ( I Ka1 10pH ( I Ka2 10pH ) ) Vhs Vw ( CO<sub>2</sub>hs-CO<sub>2</sub>amb ) P RT where: is the equilibrated headspace concentration of ( ppm ) CO<sub>2</sub>hs CO<sub>2</sub> P and Po are ambient and sea-level atmospheric pressures ( 101325 Pa ) Kh is...



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