**Data**

**Change in CO2 (in ppm)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Date** | **A** | **B** | **C** | **D** |
| **Trial 1** | **12/8/00** | **1050** | **1030** | **1110** | **1075** |
|  | **12/15/00** | **1030** | **980** | **1020** | **1000** |
|  | **12/22/00** | **990** | **920** | **900** | **940** |
| **Trial 2** | **12/23/00** | **1090** | **1120** | **1070** | **1060** |
|  | **12/30/00** | **1070** | **1050** | **940** | **980** |
|  | **1/6/01** | **1040** | **1000** | **840** | **920** |
| **Trial 3** | **12/23/00** | **1100** | **1090** | **1120** | **1130** |
|  | **12/30/00** | **1070** | **1040** | **940** | **1060** |
|  | **1/6/01** | **1040** | **985** | **880** | **1010** |
| **Trial 4** | **1/8/01** | **1110** | **1100** | **1140** | **1070** |
|  | **1/15/01** | **1090** | **1040** | **1030** | **1010** |
|  | **1/22/01** | **1065** | **990** | **930** | **940** |
| **Trial 5** | **1/8/01** | **1090** | **1070** | **1030** | **1120** |
|  | **1/15/01** | **1060** | **1000** | **920** | **1060** |
|  | **1/22/01** | **1040** | **940** | **795** | **980** |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **bottle** | **trial 1** | **trial 2** | **trial 3** | **trial 4** | **trial 5** |
| **A** | **60** | **50** | **60** | **45** | **50** |
| **B** | **110** | **120** | **105** | **110** | **130** |
| **C** | **210** | **230** | **240** | **210** | **235** |
| **D** | **135** | **140** | **120** | **130** | **140** |

**Observations**

**In bottles B and D (those containing oil) a white residue had condensed on the upper half of the bottles. Also, the salt water in bottles B and D had taken on a tan color - probably from the water soluble parts of the oil leaching into the water. At the start of the experiment, oil added to the bottles clung to the side of the plastic, or collected into a small ouddle in the middle. However, at the end, the oil had formed a lighter brown film that covered 80 - 90% of the surface. Bottles A and C showed no noticeablr changes.**

[[Project Creek Watch](http://www.pleasanton.k12.ca.us/amador/Creek/index.html)][[Mr. Thiel](http://www.pleasanton.k12.ca.us/amador/faculty/science/thiel.html)][[1998 Projects](http://www.pleasanton.k12.ca.us/amador/Creek/AP98/AP98.html)][[1999 Projects](http://www.pleasanton.k12.ca.us/amador/Creek/AP99/AP99.html)][[2000 Projects](http://www.pleasanton.k12.ca.us/amador/Creek/AP2000/AP2000.html)][[2001 Projects](http://www.pleasanton.k12.ca.us/amador/Creek/AP2001/AP2001.html)]