

JUN-11-2002 18:58

DEUTSCHE BANK

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**AMBIENT GROUP**  
**Dioxins/Furans, HRGC/HRMS (8290)**

**Client Sample ID: 211909-03D**

Lot Sample #: G2D190191 - 005  
 Date Sampled: 04/18/02  
 Prep Date: 04/19/02  
 Prep Batch #: 2109509

Work Order #: EX6VG1AA  
 Date Received: 04/19/02  
 Analysis Date: 04/24/02  
 Dilution Factor: 1

Matrix: SOLID  
 Instrument: SD5  
 Units: pg/g  
 % Moisture:

| PARAMETER               | RESULT | DETECTION<br>LIMIT | TEF<br>FACTOR | TEQ<br>CONCENTRATION |
|-------------------------|--------|--------------------|---------------|----------------------|
| 2,3,7,8-TCDD            | 390    |                    | 1.000         | 390.000000           |
| 1,2,3,7,8-PeCDD         | 1200   |                    | 0.500         | 600.000000           |
| 1,2,3,4,7,8-HxCDD       | 1200   |                    | 0.100         | 120.000000           |
| 1,2,3,6,7,8-HxCDD       | 2400   |                    | 0.100         | 240.000000           |
| 1,2,3,7,8,9-HxCDD       | 1800   |                    | 0.100         | 180.000000           |
| 1,2,3,4,6,7,8-HpCDD     | 14000  |                    | 0.010         | 140.000000           |
| OCDD                    | 27000  |                    | 0.001         | 27.000000            |
| 2,3,7,8-TCDF            | 2500   | CON                | 0.100         | 250.000000           |
| 1,2,3,7,8-PeCDF         | 3500   |                    | 0.050         | 180.000000           |
| 2,3,4,7,8-PeCDF         | 5500   |                    | 0.500         | 2,800.000000         |
| 1,2,3,4,7,8-HxCDF       | 6000   |                    | 0.100         | 600.000000           |
| 1,2,3,6,7,8-HxCDF       | 5400   |                    | 0.100         | 540.000000           |
| 2,3,4,6,7,8-HxCDF       | 5800   |                    | 0.100         | 580.000000           |
| 1,2,3,7,8,9-HxCDF       | 440    |                    | 0.100         | 44.000000            |
| 1,2,3,4,6,7,8-HpCDF     | 26000  |                    | 0.010         | 260.000000           |
| 1,2,3,4,7,8,9-HpCDF     | 3000   |                    | 0.010         | 30.000000            |
| OCDF                    | 23000  |                    | 0.001         | 23.000000            |
| Total TEQ Concentration |        |                    |               | 7,004.000000         |

| INTERNAL STANDARDS      | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|-------------------------|---------------------|--------------------|
| 13C-2,3,7,8-TCDD        | 62                  | 40 - 135           |
| 13C-1,2,3,7,8-PeCDD     | 61                  | 40 - 135           |
| 13C-1,2,3,6,7,8-HxCDD   | 57                  | 40 - 135           |
| 13C-1,2,3,4,6,7,8-HpCDD | 76                  | 40 - 135           |
| 13C-OCDD                | 97                  | 40 - 135           |
| 13C-2,3,7,8-TCDF        | 66                  | 40 - 135           |
| 13C-1,2,3,7,8-PeCDF     | 71                  | 40 - 135           |
| 13C-1,2,3,4,7,8-HxCDF   | 70                  | 40 - 135           |
| 13C-1,2,3,4,6,7,8-HpCDF | 98                  | 40 - 135           |

**Notes:**

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/7-89/016.

CON Confirmation analysis.

Sm\_Std\_TEQ.RPT Rev.0

11/10/2004

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