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DEUTSCHE BANK

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

Client Sample ID: 211909-17D-P

Lot-Sample #...: G2D240206 - 001
 Date Sampled...: 04/23/02
 Prep Date.....: 04/25/02
 Prep Batch #...: 2115451

Work Order #...: E0C521AC
 Date Received...: 04/24/02
 Analysis Date...: 04/29/02
 Dilution Factor: 1

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

PARAMETER	RESULT	DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	290		1.000	290.000000
1,2,3,7,8-PeCDD	1300		0.500	650.000000
1,2,3,4,7,8-HxCDD	1800		0.100	180.000000
1,2,3,6,7,8-HxCDD	3500		0.100	350.000000
1,2,3,7,8,9-HxCDD	2700		0.100	270.000000
1,2,3,4,6,7,8-HpCDD	19000		0.010	190.000000
OCDD	44000		0.001	44.000000
2,3,7,8-TCDF	1700	CON	0.100	170.000000
1,2,3,7,8-PeCDF	2800		0.050	140.000000
2,3,4,7,8-PeCDF	5200		0.500	2,600.000000
1,2,3,4,7,8-HxCDF	4500		0.100	450.000000
1,2,3,6,7,8-HxCDF	4900		0.100	490.000000
2,3,4,6,7,8-HxCDF	7000		0.100	700.000000
1,2,3,7,8,9-HxCDF	420		0.100	42.000000
1,2,3,4,6,7,8-HpCDF	22000		0.010	220.000000
1,2,3,4,7,8,9-HpCDF	3000		0.010	30.000000
OCDF	15000		0.001	15.000000
Total TEQ Concentration				6,831.000000

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	80	40 - 135
13C-1,2,3,7,8-PeCDD	99	40 - 135
13C-1,2,3,6,7,8-HxCDD	80	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	78	40 - 135
13C-OCDD	80	40 - 135
13C-2,3,7,8-TCDF	67	40 - 135
13C-1,2,3,7,8-PeCDF	82	40 - 135
13C-1,2,3,4,7,8-HxCDF	73	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	71	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/625/3-89/016.

CON Confirmation analysis.

Sac_Smd_TEQ.RPT Rev. 0

11/10/2001

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