

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 - 003
 Date Sampled: 04/18/02
 Prep Date: 04/19/02
 Prep Batch #: 2109509

Work Order #: EX6VE1AA
 Date Received: 04/19/02
 Analysis Date: 04/24/02
 Dilution Factor: 1

Matrix: SOLID
 Instrument: SDS
 Unit: pg/g
 % Moisture:

PARAMETER	RESULT	DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	570		1.000	570.000000
1,2,3,7,8-PeCDD	1700		0.500	850.000000
1,2,3,4,7,8-HxCDD	1500		0.100	150.000000
1,2,3,6,7,8-HxCDD	2900		0.100	290.000000
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	46000		0.001	46.000000
2,3,7,8-TCDF	3100	CON	0.100	310.000000
1,2,3,7,8-PeCDF	4300		0.050	220.000000
2,3,4,7,8-PeCDF	6500		0.500	3,200.000000
1,2,3,4,7,8-HxCDF	6200		0.100	620.000000
1,2,3,6,7,8-HxCDF	6500		0.100	650.000000
2,3,4,6,7,8-HxCDF	7000		0.100	700.000000
1,2,3,7,8,9-HxCDF	500		0.100	50.000000
1,2,3,4,6,7,8-HpCDF	35000		0.010	350.000000
1,2,3,4,7,8,9-HpCDF	4100		0.010	41.000000
OCDF	25000		0.001	25.000000
Total TEQ Concentration				8,532.000000

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	65	40 - 135
13C-1,2,3,7,8-PeCDD	58	40 - 135
13C-1,2,3,6,7,8-HxCDD	55	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	73	40 - 135
13C-OCDD	92	40 - 135
13C-2,3,7,8-TCDF	80	40 - 135
13C-1,2,3,7,8-PeCDF	69	40 - 135
13C-1,2,3,4,7,8-HxCDF	65	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	77	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.