

JUN-11-2002 18:59

DEUTSCHE BANK

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AMBIENT GROUP
Dioxins/Furans, HRGC/HRMS (8290)
Client Sample ID: 211909-12D

Lot-Sample #: G2D190191 - 012
 Date Sampled: 04/18/02
 Prep Date: 04/19/02
 Prep Batch #: 2109509

Work Order #: EX6VP1AA
 Date Received: 04/19/02
 Analysis Date: 04/24/02
 Dilution Factor: 1

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

PARAMETER	RESULT	DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	1100		1.000	1,100.000000
1,2,3,7,8-PeCDD	4000		0.500	2,000.000000
1,2,3,4,7,8-HxCDD	3100		0.100	310.000000
1,2,3,6,7,8-HxCDD	5000		0.100	500.000000
1,2,3,7,8,9-HxCDD	4800		0.100	480.000000
1,2,3,4,6,7,8-HpCDD	27000		0.010	270.000000
OCDD	52000		0.001	52.000000
2,3,7,8-TCDF	5600	CON	0.100	560.000000
1,2,3,7,8-PeCDF	6900		0.050	340.000000
2,3,4,7,8-PeCDF	8900		0.500	4,400.000000
1,2,3,4,7,8-HxCDF	11000		0.100	1,100.000000
1,2,3,6,7,8-HxCDF	9600		0.100	960.000000
2,3,4,6,7,8-HxCDF	8800		0.100	880.000000
1,2,3,7,8,9-HxCDF	840		0.100	84.000000
1,2,3,4,6,7,8-HpCDF	38000		0.010	380.000000
1,2,3,4,7,8,9-HpCDF	4400		0.010	44.000000
OCDF	20000		0.001	20.000000
Total TEQ Concentration				13,480.000000

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	57	40 - 135
13C-1,2,3,7,8-PeCDD	55	40 - 135
13C-1,2,3,6,7,8-HxCDD	50	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	63	40 - 135
13C-OCDD	69	40 - 135
13C-2,3,7,8-TCDF	43	40 - 135
13C-1,2,3,7,8-PeCDF	61	40 - 135
13C-1,2,3,4,7,8-HxCDF	52	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	63	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.

San_Sed_TBQ.RPT Rev.0

11/10/2004

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