



Pace Analytical Services, Inc.
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Method 8290 Analysis Results

Client - ATC

Client's Sample ID	ATC-0308-234M-DX1		
Lab Sample ID	103384939		
Filename	F20327B_10		
Injected By	BAL		
Total Amount Extracted	1 m2	Matrix	WIPE
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	03/08/2002
ICAL Date	01/24/2002	Received	03/12/2002
CCal Filename(s)	F20327A_14 & F20327B_18	Extracted	03/21/2002
Method Blank ID	BLANK-1528	Analyzed	03/27/2002 22:37

Native Isomers	Conc ng/m2	EMPC ng/m2	LRL ng/m2		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	----	0.0050	A	2,3,7,8-TCDF-13C	2.00	94
Total TCDF	0.0047	----	0.0020	J	2,3,7,8-TCDD-13C	2.00	93
					1,2,3,7,8-PeCDF-13C	2.00	93
2,3,7,8-TCDD	ND	----	0.0072	A	2,3,4,7,8-PeCDF-13C	2.00	90
Total TCDD	0.0530	----	0.0020		1,2,3,7,8-PeCDD-13C	2.00	91
					1,2,3,4,7,8-HxCDF-13C	2.00	85
1,2,3,7,8-PeCDF	ND	----	0.0100		1,2,3,6,7,8-HxCDF-13C	2.00	87
2,3,4,7,8-PeCDF	----	0.012	0.0100	I	2,3,4,6,7,8-HxCDF-13C	2.00	98
Total PeCDF	0.0520	----	0.0100		1,2,3,7,8,9-HxCDF-13C	2.00	112
					1,2,3,4,7,8-HxCDD-13C	2.00	68
1,2,3,7,8-PeCDD	ND	----	0.0100		1,2,3,6,7,8-HxCDD-13C	2.00	83
Total PeCDD	0.0560	----	0.0100		1,2,3,4,6,7,8-HpCDF-13C	2.00	76
					1,2,3,4,7,8,9-HpCDF-13C	2.00	77
1,2,3,4,7,8-HxCDF	----	0.027	0.0100	E	1,2,3,4,6,7,8-HpCDD-13C	2.00	82
1,2,3,6,7,8-HxCDF	ND	----	0.0100		OCDD-13C	4.00	71
2,3,4,6,7,8-HxCDF	----	0.011	0.0100	I			
1,2,3,7,8,9-HxCDF	ND	----	0.0100		1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	0.0230	----	0.0100	J	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	0.0110	----	0.0100	J	2,3,7,8-TCDD-37Cl4	0.20	94
1,2,3,6,7,8-HxCDD	ND	----	0.0100				
1,2,3,7,8,9-HxCDD	0.0110	----	0.0100	J			
Total HxCDD	0.3400	----	0.0100				
1,2,3,4,6,7,8-HpCDF	0.0270	----	0.0100	J	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	----	0.0100		Equivalence: 0.0029 ng/m2		
Total HpCDF	0.0270	----	0.0100	J	(Using ITE Factors)		
1,2,3,4,6,7,8-HpCDD	0.0340	----	0.0100	J			
Total HpCDD	0.0340	----	0.0100	J			
OCDF	ND	----	0.0200				
OCDD	0.0890	----	0.0200	J			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers)
EMPC = Estimated Maximum Possible Concentration
A = Detection Limit based on signal-to-noise measurement
J = Concentration detected is below the calibration range
B = Less than 10 times higher than method blank level
P = Recovery outside of target range
Nn = Value obtained from additional analysis

LRL = Lower Reporting Limit
I = Interference
E = PCDE Interference
S = Saturated signal
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion

Report No.....02-1055020

REPORT OF LABORATORY ANALYSIS

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CITY_21MC100_003444417

SUBJECT TO PROTECTIVE ORDER NO. 2, SEPT. 2008



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Method 8290 Analysis Results

Client - ATC

Client's Sample ID	ATC-0308-234M-DX2		
Lab Sample ID	103384947		
Filename	F20327B_11		
Injected By	BAL		
Total Amount Extracted	1 m2	Matrix	WIPE
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	03/08/2002
ICAL Date	01/24/2002	Received	03/12/2002
CCal Filename(s)	F20327A_14 & F20327B_18	Extracted	03/21/2002
Method Blank ID	BLANK-1528	Analyzed	03/27/2002 23:26

Native Isomers	Conc ng/m2	EMPC ng/m2	LRL ng/m2		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	-----	0.0023	A	2,3,7,8-TCDF-13C	2.00	77
Total TCDF	0.0078	-----	0.0020	J	2,3,7,8-TCDD-13C	2.00	70
					1,2,3,7,8-PeCDF-13C	2.00	81
2,3,7,8-TCDD	ND	-----	0.0020	A	2,3,4,7,8-PeCDF-13C	2.00	78
Total TCDD	0.0370	-----	0.0020		1,2,3,7,8-PeCDD-13C	2.00	76
					1,2,3,4,7,8-HxCDF-13C	2.00	94
1,2,3,7,8-PeCDF	ND	-----	0.0100		1,2,3,6,7,8-HxCDF-13C	2.00	94
2,3,4,7,8-PeCDF	ND	-----	0.0100		2,3,4,6,7,8-HxCDF-13C	2.00	96
Total PeCDF	ND	-----	0.0100		1,2,3,7,8,9-HxCDF-13C	2.00	89
					1,2,3,4,7,8-HxCDD-13C	2.00	90
1,2,3,7,8-PeCDD	ND	-----	0.0100		1,2,3,6,7,8-HxCDD-13C	2.00	87
Total PeCDD	0.0350	-----	0.0100	J	1,2,3,4,6,7,8-HpCDF-13C	2.00	80
					1,2,3,4,7,8,9-HpCDF-13C	2.00	69
1,2,3,4,7,8-HxCDF	-----	0.011	0.0100	I	1,2,3,4,6,7,8-HpCDD-13C	2.00	81
1,2,3,6,7,8-HxCDF	ND	-----	0.0100		OCDD-13C	4.00	69
2,3,4,6,7,8-HxCDF	ND	-----	0.0100				
1,2,3,7,8,9-HxCDF	ND	-----	0.0100		1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	-----	0.0100		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	-----	0.0100				
1,2,3,6,7,8-HxCDD	ND	-----	0.0100		2,3,7,8-TCDD-37Cl4	0.20	77
1,2,3,7,8,9-HxCDD	ND	-----	0.0100				
Total HxCDD	0.1700	-----	0.0100				
1,2,3,4,6,7,8-HpCDF	0.0120	-----	0.0100	J	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	-----	0.0100		Equivalence: 0.00032 ng/m2		
Total HpCDF	0.0120	-----	0.0100	J	(Using ITE Factors)		
1,2,3,4,6,7,8-HpCDD	0.0140	-----	0.0100	J			
Total HpCDD	0.0360	-----	0.0100	J			
OCDF	ND	-----	0.0200				
OCDD	0.0630	-----	0.0200	J			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers)
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