



Pace AnalyticalTM

Pace Analytical Services, Inc.
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Method 8290 Analysis Results

Client - ATC

Client's Sample ID	ATC-0315-234M-DX1		
Lab Sample ID	103399192		
Filename	U20405B_11		
Injected By	CVS		
Total Amount Extracted	1 m2	Matrix	WIPE
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	03/15/2002
ICAL Date	03/25/2002	Received	03/19/2002
CCal Filename(s)	U20405A_16 & U20405B_16	Extracted	04/01/2002
Method Blank ID	BLANK-1546	Analyzed	04/06/2002 07:31

Native Isomers	Conc ng/m2	EMPC ng/m2	LRL ng/m2		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	----	0.0037	0.0053	IA	2,3,7,8-TCDF-13C	2.00	59
Total TCDF	0.035	----	0.0020		2,3,7,8-TCDD-13C	2.00	54
					1,2,3,7,8-PeCDF-13C	2.00	64
2,3,7,8-TCDD	ND	----	0.0051	A	2,3,4,7,8-PeCDF-13C	2.00	70
Total TCDD	0.077	----	0.0020		1,2,3,7,8-PeCDD-13C	2.00	68
					1,2,3,4,7,8-HxCDF-13C	2.00	65
1,2,3,7,8-PeCDF	ND	----	0.0100		1,2,3,6,7,8-HxCDF-13C	2.00	68
2,3,4,7,8-PeCDF	ND	----	0.0100		2,3,4,6,7,8-HxCDF-13C	2.00	65
Total PeCDF	0.010	----	0.0100	J	1,2,3,7,8,9-HxCDF-13C	2.00	59
					1,2,3,4,7,8-HxCDD-13C	2.00	72
1,2,3,7,8-PeCDD	ND	----	0.0100		1,2,3,6,7,8-HxCDD-13C	2.00	55
Total PeCDD	0.019	----	0.0100	J	1,2,3,4,6,7,8-HpCDF-13C	2.00	64
					1,2,3,4,7,8,9-HpCDF-13C	2.00	64
1,2,3,4,7,8-HxCDF	ND	----	0.0100		1,2,3,4,6,7,8-HpCDD-13C	2.00	73
1,2,3,6,7,8-HxCDF	ND	----	0.0100		OCDD-13C	4.00	54
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		2,3,7,8-TCDD-37Cl4	0.20	65
1,2,3,6,7,8-HxCDD	ND	----	0.0100				
1,2,3,7,8,9-HxCDD	ND	----	0.0100				
Total HxCDD	ND	----	0.0100				
1,2,3,4,6,7,8-HpCDF	0.010	----	0.0100	J	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	----	0.0100		Equivalence: 0.0010 ng/m2		
Total HpCDF	0.026	----	0.0100	J	(Using ITE Factors)		
1,2,3,4,6,7,8-HpCDD	0.042	----	0.0100	JA			
Total HpCDD	0.092	----	0.0100				
OCDF	ND	----	0.0200				
OCDD	0.520	----	0.0290	A			

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.....02-1055252

REPORT OF LABORATORY ANALYSIS

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CITY_21MC100_003444394

SUBJECT TO PROTECTIVE ORDER NO. 2, SEPT. 2008



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Method 8290 Analysis Results

Client - ATC

Client's Sample ID	ATC-0315-234M-DX2		
Lab Sample ID	103399242		
Filename	U20405B_12		
Injected By	CVS		
Total Amount Extracted	1 m2	Matrix	WIPE
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	03/15/2002
ICAL Date	03/25/2002	Received	03/19/2002
CCal Filename(s)	U20405A_16 & U20405B_16	Extracted	04/01/2002
Method Blank ID	BLANK-1546	Analyzed	04/06/2002 08:19

Native Isomers	Conc ng/m2	EMPC ng/m2	LRL ng/m2	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	----	0.0034 A	2,3,7,8-TCDF-13C	2.00	45
Total TCDF	0.0040	----	0.0020 J	2,3,7,8-TCDD-13C	2.00	41
				1,2,3,7,8-PeCDF-13C	2.00	45
2,3,7,8-TCDD	ND	----	0.0045 A	2,3,4,7,8-PeCDF-13C	2.00	45
Total TCDD	0.0240	----	0.0020	1,2,3,7,8-PeCDD-13C	2.00	45
				1,2,3,4,7,8-HxCDF-13C	2.00	49
1,2,3,7,8-PeCDF	ND	----	0.0100	1,2,3,6,7,8-HxCDF-13C	2.00	56
2,3,4,7,8-PeCDF	ND	----	0.0100	2,3,4,6,7,8-HxCDF-13C	2.00	52
Total PeCDF	ND	----	0.0100	1,2,3,7,8,9-HxCDF-13C	2.00	46
				1,2,3,4,7,8-HxCDD-13C	2.00	46
1,2,3,7,8-PeCDD	ND	----	0.0100	1,2,3,6,7,8-HxCDD-13C	2.00	55
Total PeCDD	ND	----	0.0100	1,2,3,4,6,7,8-HpCDF-13C	2.00	52
				1,2,3,4,7,8,9-HpCDF-13C	2.00	51
1,2,3,4,7,8-HxCDF	ND	----	0.0100	1,2,3,4,6,7,8-HpCDD-13C	2.00	56
1,2,3,6,7,8-HxCDF	ND	----	0.0100	OCDD-13C	4.00	43
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	2,3,7,8-TCDD-37Cl4	0.20	51
1,2,3,6,7,8-HxCDD	ND	----	0.0100			
1,2,3,7,8,9-HxCDD	ND	----	0.0100			
Total HxCDD	0.0170	----	0.0100 J			
1,2,3,4,6,7,8-HpCDF	ND	----	0.0100	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	----	0.0100	Equivalence: 0.00031 ng/m2		
Total HpCDF	ND	----	0.0100	(Using ITE Factors)		
1,2,3,4,6,7,8-HpCDD	0.0160	----	0.0100 J			
Total HpCDD	0.0430	----	0.0100 J			
OCDF	ND	----	0.0200			
OCDD	0.1500	----	0.0200 B			

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