

FEB-28-02 09:22

FROM-PACE ANALYTICAL

612-607-6444

T-760 P.04/06 F-336

1700 Elm Street - Suite 200
Minneapolis, MN 55414

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 **Pace Analytical**TM**Method 8290 Analysis Results**

Client - ATC

Client's Sample ID	ATC-0205-234M-DX1		
Lab Sample ID	103307195		
Filename	F20222A_04		
Injected By	MASB		
Total Amount Extracted	1 m2	Matrix	WIPE
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	02/05/2002
ICAL Date	01/24/2002	Received	02/06/2002
CCal Filename(s)	F20222A_01 & F20222A_14	Extracted	02/18/2002
Method Blank ID	BLANK-1471	Analyzed	02/22/2002 10:45

Native Isomers	Conc ng/m2	EMPC ng/m2	LRL ng/m2		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	0.0031	----	0.0020 J		2,3,7,8-TCDF-13C	2.00	62
Total TCDF	0.0410	----	0.0020		2,3,7,8-TCDD-13C	2.00	60
					1,2,3,7,8-PeCDF-13C	2.00	79
2,3,7,8-TCDD	ND	----	0.0020		2,3,4,7,8-PeCDF-13C	2.00	76
Total TCDD	0.0820	----	0.0020		1,2,3,7,8-PeCDD-13C	2.00	78
					1,2,3,4,7,8-HxCDF-13C	2.00	82
1,2,3,7,8-PeCDF	ND	----	0.0100		1,2,3,6,7,8-HxCDF-13C	2.00	78
2,3,4,7,8-PeCDF	ND	----	0.0100		2,3,4,6,7,8-HxCDF-13C	2.00	73
Total PeCDF	0.0530	----	0.0100		1,2,3,7,8,9-HxCDF-13C	2.00	67
					1,2,3,4,7,8-HxCDD-13C	2.00	77
1,2,3,7,8-PeCDD	ND	----	0.0100		1,2,3,6,7,8-HxCDD-13C	2.00	70
Total PeCDD	0.0250	----	0.0100 J		1,2,3,4,6,7,8-HpCDF-13C	2.00	69
					1,2,3,4,7,8,9-HpCDF-13C	2.00	65
1,2,3,4,7,8-HxCDF	ND	----	0.0100		1,2,3,4,6,7,8-HpCDD-13C	2.00	76
1,2,3,6,7,8-HxCDF	ND	----	0.0100		OCDD-13C	4.00	46
2,3,4,6,7,8-HxCDF	-----	0.022	0.0100 E				
1,2,3,7,8,9-HxCDF	ND	----	0.0100		1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	0.0380	----	0.0100 J		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	67
1,2,3,6,7,8-HxCDD	ND	----	0.0100				
1,2,3,7,8,9-HxCDD	ND	----	0.0100				
Total HxCDD	0.3700	----	0.0100				
1,2,3,4,6,7,8-HpCDF	0.0240	----	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	0.0240	----	0.0100 J		(Using ITE Factors)		
1,2,3,4,6,7,8-HpCDD	0.0380	----	0.0100 J				
Total HpCDD	0.0980	----	0.0100				
OCDF	ND	----	0.0200				
OCDD	0.1100	----	0.0200				

Main entrance lobby (east)

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.....02-1053790

REPORT OF LABORATORY ANALYSIS

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SUBJECT TO PROTECTIVE ORDER NO. 2, SEPT. 2008

FEB-28-02 09:22

FROM-PACE ANALYTICAL

612-607-6444

T-760 P.05/06 F-336

1700 Elm Street • Suite 200
Minneapolis, MN 55414Tel: 612-607-1700
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Method 8290 Analysis Results

Client - ATC

Client's Sample ID	ATC-0205-234M-DX2		
Lab Sample ID	103307203		
Filename	F20222A_05		
Injected By	MASB		
Total Amount Extracted	1 m2	Matrix	WIPE
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	02/05/2002
ICAL Date	01/24/2002	Received	02/06/2002
CCal Filename(s)	F20222A_01 & F20222A_14	Extracted	02/18/2002
Method Blank ID	BLANK-1471	Analyzed	02/22/2002 11:32

Native Isomers	Conc ng/m2	EMPC ng/m2	LRL ng/m2	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	-----	0.00200	2,3,7,8-TCDF-13C	2.00	60
Total TCDF	0.0045	-----	0.00200 J	2,3,7,8-TCDD-13C	2.00	56
				1,2,3,7,8-PeCDF-13C	2.00	70
2,3,7,8-TCDD	ND	-----	0.00200	2,3,4,7,8-PeCDF-13C	2.00	69
Total TCDD	ND	-----	0.00200	1,2,3,7,8-PeCDD-13C	2.00	67
				1,2,3,4,7,8-HxCDF-13C	2.00	81
1,2,3,7,8-PeCDF	ND	-----	0.01000	1,2,3,6,7,8-HxCDF-13C	2.00	73
2,3,4,7,8-PeCDF	ND	-----	0.01000	2,3,4,6,7,8-HxCDF-13C	2.00	73
Total PeCDF	ND	-----	0.01000	1,2,3,7,8,9-HxCDF-13C	2.00	67
				1,2,3,4,7,8-HxCDD-13C	2.00	86
1,2,3,7,8-PeCDD	ND	-----	0.01000	1,2,3,6,7,8-HxCDD-13C	2.00	70
Total PeCDD	0.0110	-----	0.01000 J	1,2,3,4,6,7,8-HpCDF-13C	2.00	74
				1,2,3,4,7,8,9-HpCDF-13C	2.00	62
1,2,3,4,7,8-HxCDF	ND	-----	0.01000	1,2,3,4,6,7,8-HpCDD-13C	2.00	72
1,2,3,6,7,8-HxCDF	ND	-----	0.01000	OCDD-13C	4.00	45
2,3,4,6,7,8-HxCDF	-----	0.012	0.01000 E			
1,2,3,7,8,9-HxCDF	ND	-----	0.01000	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	-----	0.01000	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	-----	0.01000	2,3,7,8-TCDD-37Cl4	0.20	66
1,2,3,6,7,8-HxCDD	ND	-----	0.01000			
1,2,3,7,8,9-HxCDD	ND	-----	0.01000			
Total HxCDD	0.1700	-----	0.01000			
1,2,3,4,6,7,8-HpCDF	0.0140	-----	0.01000 J	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	-----	0.01000	Equivalence: 0.00043 ng/m2		
Total HpCDF	0.0140	-----	0.01000 J	(Using ITE Factors)		
1,2,3,4,6,7,8-HpCDD	0.0240	-----	0.01000 J			
Total HpCDD	0.0620	-----	0.01000 J			
OCDF	ND	-----	0.02000			
OCDD	0.0510	-----	0.02000 J			

1st floor hallway (west)

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
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REPORT OF LABORATORY ANALYSIS

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T-760 P.06/06 F-336

1700 Elm Street - Suite 200
Minneapolis, MN 55414Tel: 612-607-1700
Fax: 612-607-6444 **Pace Analytical**TM**Method 8290 Analysis Results**

Client - ATC

Client's Sample ID	ATC-0205-234M-DX3		
Lab Sample ID	103307211		
Filename	F20222A_06		
Injected By	MASB		
Total Amount Extracted	1 m2	Matrix	WIPE
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	02/05/2002
ICAL Date	01/24/2002	Received	02/06/2002
CCal Filename(s)	F20222A_01 & F20222A_14	Extracted	02/18/2002
Method Blank ID	BLANK-1471	Analyzed	02/22/2002 12:22

Native Isomers	Conc ng/m2	EMPC ng/m2	LRL ng/m2	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	----	0.00200	2,3,7,8-TCDF-13C	2.00	63
Total TCDF	ND	----	0.00200	2,3,7,8-TCDD-13C	2.00	56
				1,2,3,7,8-PeCDF-13C	2.00	70
2,3,7,8-TCDD	ND	----	0.00200	2,3,4,7,8-PeCDF-13C	2.00	70
Total TCDD	ND	----	0.00200	1,2,3,7,8-PeCDD-13C	2.00	67
				1,2,3,4,7,8-HxCDF-13C	2.00	82
1,2,3,7,8-PeCDF	ND	----	0.01000	1,2,3,6,7,8-HxCDF-13C	2.00	72
2,3,4,7,8-PeCDF	ND	----	0.01000	2,3,4,6,7,8-HxCDF-13C	2.00	75
Total PeCDF	ND	----	0.01000	1,2,3,7,8,9-HxCDF-13C	2.00	69
				1,2,3,4,7,8-HxCDD-13C	2.00	78
1,2,3,7,8-PeCDD	ND	----	0.01000	1,2,3,6,7,8-HxCDD-13C	2.00	74
Total PeCDD	ND	----	0.01000	1,2,3,4,6,7,8-HpCDF-13C	2.00	74
				1,2,3,4,7,8,9-HpCDF-13C	2.00	67
1,2,3,4,7,8-HxCDF	ND	----	0.01000	1,2,3,4,6,7,8-HpCDD-13C	2.00	80
1,2,3,6,7,8-HxCDF	ND	----	0.01000	OCDD-13C	4.00	45
2,3,4,6,7,8-HxCDF	ND	----	0.01000			
1,2,3,7,8,9-HxCDF	ND	----	0.01000	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	----	0.01000	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	----	0.01000	2,3,7,8-TCDD-37Cl4	0.20	65
1,2,3,6,7,8-HxCDD	ND	----	0.01000			
1,2,3,7,8,9-HxCDD	ND	----	0.01000			
Total HxCDD	ND	----	0.01000			
1,2,3,4,6,7,8-HpCDF	ND	----	0.01000	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	----	0.01000	Equivalence: 0.00 ng/m2		
Total HpCDF	ND	----	0.01000	(Using ITE Factors)		
1,2,3,4,6,7,8-HpCDD	ND	----	0.01000			
Total HpCDD	ND	----	0.01000			
OCDF	ND	----	0.02000			
OCDD	ND	----	0.02000			

Field blank

Conc = Concentration (Totals include 2,3,7,8-substituted isomers)
 EMPC = Estimated Maximum Possible Concentration
 A = Detection Limit based on signal-to-noise measurement
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 P = Recovery outside of target range
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LRL = Lower Reporting Limit
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