

FEB-19-02 08:23

FROM-PACE ANALYTICAL

612-607-6444

T-536 P.02/04 F-851

1700 Elm Street • Suite 200
Minneapolis, MN 55414**Pace Analytical™**

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Method 8290 Analysis Results

Client - ATC

DRAFT

Client's Sample ID	ATC-0122-234M-DX1		
Lab Sample ID	103283651		
Filename	U20211A_05		
Injected By	CVS		
Total Amount Extracted	1 m2	Matrix	WIPE
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	01/22/2002
ICAL Date	01/25/2002	Received	01/24/2002
CCal Filename(s)	U20211A_01 & U20211A_15	Extracted	02/06/2002
Method Blank ID	BLANK-1453	Analyzed	02/11/2002 15:40

Native Isomers	Conc ng/m2	EMPC ng/m2	LRL ng/m2	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	-----	0.0062	0.00200 I	2,3,7,8-TCDF-13C	2.00	84
Total TCDF	0.160	-----	0.00200	2,3,7,8-TCDD-13C	2.00	73
				1,2,3,7,8-PeCDF-13C	2.00	72
2,3,7,8-TCDD	ND	-----	0.00200	2,3,4,7,8-PeCDF-13C	2.00	71
Total TCDD	0.190	-----	0.00200	1,2,3,7,8-PeCDD-13C	2.00	79
				1,2,3,4,7,8-HxCDF-13C	2.00	103
1,2,3,7,8-PeCDF	ND	-----	0.01000	1,2,3,6,7,8-HxCDF-13C	2.00	87
2,3,4,7,8-PeCDF	-----	0.0130	0.01000 I	2,3,4,6,7,8-HxCDF-13C	2.00	88
Total PeCDF	0.120	-----	0.01000	1,2,3,7,8,9-HxCDF-13C	2.00	88
				1,2,3,4,7,8-HxCDD-13C	2.00	102
1,2,3,7,8-PeCDD	ND	-----	0.01000	1,2,3,6,7,8-HxCDD-13C	2.00	76
Total PeCDD	0.250	-----	0.01000	1,2,3,4,6,7,8-HpCDF-13C	2.00	79
				1,2,3,4,7,8,9-HpCDF-13C	2.00	72
1,2,3,4,7,8-HxCDF	-----	0.0140	0.01000 I	1,2,3,4,6,7,8-HpCDD-13C	2.00	70
1,2,3,6,7,8-HxCDF	ND	-----	0.01000	OCDD-13C	4.00	64
2,3,4,6,7,8-HxCDF	0.015	-----	0.01000 J			
1,2,3,7,8,9-HxCDF	ND	-----	0.01000	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	0.065	-----	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	74
1,2,3,6,7,8-HxCDD	0.017	-----	0.01000 J			
1,2,3,7,8,9-HxCDD	0.013	-----	0.01000 J			
Total HxCDD	0.610	-----	0.01000			
1,2,3,4,6,7,8-HpCDF	0.034	-----	0.01000 J	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	-----	0.01000	Equivalence: 0.0053 ng/m2		
Total HpCDF	0.054	-----	0.01000 J	(Using ITE Factors)		
1,2,3,4,6,7,8-HpCDD	0.047	-----	0.01000 J			
Total HpCDD	0.093	-----	0.01000 J			
OCDF	ND	-----	0.02000			
OCDD	0.085	-----	0.02000 BJ			

1st floor hallway - east end

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.....02-1053389

REPORT OF LABORATORY ANALYSIS

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SUBJECT TO PROTECTIVE ORDER NO. 2, SEPT. 2008

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T-536 P 03/04 F-851

1700 Elm Street - Suite 200
Minneapolis, MN 55414**Pace Analytical™**

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Method 8290 Analysis Results

Client - ATC

Client's Sample ID ATC-0122-234M-DX2
 Lab Sample ID 103283669
 Filename U20211A_06
 Injected By CVS
 Total Amount Extracted 1 m2
 % Moisture NA
 Dry Weight Extracted NA
 ICAL Date 01/25/2002
 CCAL Filename(s) U20211A_01 & U20211A_15
 Method Blank ID BLANK-1453

Matrix WIPE
 Dilution NA
 Collected 01/22/2002
 Received 01/24/2002
 Extracted 02/06/2002
 Analyzed 02/11/2002 16:27

DRAFT

Native Isomers	Conc ng/m2	EMPC ng/m2	LRL ng/m2		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	----	0.00230	A	2,3,7,8-TCDF-13C	2.00	77
Total TCDF	0.013	----	0.00200		2,3,7,8-TCDD-13C	2.00	66
					1,2,3,7,8-PeCDF-13C	2.00	67
2,3,7,8-TCDD	ND	----	0.00320	A	2,3,4,7,8-PeCDF-13C	2.00	65
Total TCDD	0.054	----	0.00200		1,2,3,7,8-PeCDD-13C	2.00	72
					1,2,3,4,7,8-HxCDF-13C	2.00	98
1,2,3,7,8-PeCDF	ND	----	0.01000		1,2,3,6,7,8-HxCDF-13C	2.00	78
2,3,4,7,8-PeCDF	ND	----	0.01000		2,3,4,6,7,8-HxCDF-13C	2.00	82
Total PeCDF	ND	----	0.01000		1,2,3,7,8,9-HxCDF-13C	2.00	86
					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	74
Total PeCDD	0.081	----	0.01000		1,2,3,4,6,7,8-HpCDF-13C	2.00	70
					1,2,3,4,7,8,9-HpCDF-13C	2.00	66
1,2,3,4,7,8-HxCDF	ND	----	0.01000		1,2,3,4,6,7,8-HpCDD-13C	2.00	63
1,2,3,6,7,8-HxCDF	ND	----	0.01000		OCDD-13C	4.00	60
2,3,4,6,7,8-HxCDF	0.014	----	0.01000	J			
1,2,3,7,8,9-HxCDF	ND	----	0.01000		1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	0.029	----	0.01000	J	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	74
1,2,3,6,7,8-HxCDD	0.012	----	0.01000	J			
1,2,3,7,8,9-HxCDD	ND	----	0.01000				
Total HxCDD	0.380	----	0.01000				
1,2,3,4,6,7,8-HpCDF	0.028	----	0.01000	J	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	----	0.01000		Equivalence: 0.0033 ng/m2		
Total HpCDF	0.028	----	0.01000	J	(Using ITE Factors)		
1,2,3,4,6,7,8-HpCDD	0.039	----	0.01000	J			
Total HpCDD	0.077	----	0.01000	J			
OCDF	ND	----	0.02000				
OCDD	0.086	----	0.02000	BJ			

1st floor hallway - west end

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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 B = Less than 10 times higher than method blank level
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LRL = Lower Reporting Limit
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Pace Analytical™**Method 8290 Analysis Results**

Client - ATC

Client's Sample ID	ATC-0122-234M-DX3		
Lab Sample ID	103283677		
Filename	U20212A_03		
Injected By	CVS		
Total Amount Extracted	1 m2	Matrix	WIPE
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	01/22/2002
ICAL Date	01/25/2002	Received	01/24/2002
CCal Filename(s)	U20212A_01 & U20212A_10	Extracted	02/06/2002
Method Blank ID	BLANK-1453	Analyzed	02/12/2002 15:01

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	72
Total TCDF	ND	----	0.00200	2,3,7,8-TCDD-13C	2.00	68
				1,2,3,7,8-PeCDF-13C	2.00	61
2,3,7,8-TCDD	ND	----	0.00200	2,3,4,7,8-PeCDF-13C	2.00	63
Total TCDD	ND	----	0.00200	1,2,3,7,8-PeCDD-13C	2.00	70
				1,2,3,4,7,8-HxCDF-13C	2.00	73
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	75
Total PeCDF	ND	----	0.01000	1,2,3,7,8,9-HxCDF-13C	2.00	76
				1,2,3,4,7,8-HxCDD-13C	2.00	103
1,2,3,7,8-PeCDD	ND	----	0.01000	1,2,3,6,7,8-HxCDD-13C	2.00	69
Total PeCDD	ND	----	0.01000	1,2,3,4,6,7,8-HpCDF-13C	2.00	89
				1,2,3,4,7,8,9-HpCDF-13C	2.00	99
1,2,3,4,7,8-HxCDF	ND	----	0.01000	1,2,3,4,6,7,8-HpCDD-13C	2.00	104
1,2,3,6,7,8-HxCDF	ND	----	0.01000	OCDD-13C	4.00	93
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	68
1,2,3,6,7,8-HxCDD	ND	----	0.01000			
1,2,3,7,8,9-HxCDD	ND	----	0.01000			
Total HxCDD	0.012	----	0.01000 J			
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: 0.000073 ng/m2		
Total HpCDF	ND	----	0.01000	(Using ITE Factors)		
1,2,3,4,6,7,8-HpCDD	----	0.015	0.01000 I			
Total HpCDD	0.037	----	0.01000 J			
OCDF	ND	----	0.02000			
OCDD	0.073	----	0.02000 BJ			

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