

FEB-19-02 14:26

FROM-PACE ANALYTICAL

612-607-6444

T-556 P-04/06 F-891

1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700

Fax: 612-607-6444

Pace Analytical™**Method 8290 Analysis Results**

Client - ATC

Client's Sample ID ATC-0129-234M-DX1
 Lab Sample ID 103297008
 Filename F20215A_05
 Injected By CVS
 Total Amount Extracted 1 m2
 % Moisture NA
 Dry Weight Extracted NA
 ICAL Date 01/24/2002
 CCAL Filename(s) F20215A_01 & F20215A_16
 Method Blank ID BLANK-1458

Matrix WIPE
 Dilution NA
 Collected 01/29/2002
 Received 01/31/2002
 Extracted 02/11/2002
 Analyzed 02/16/2002 02:23

Native Isomers	Conc ng/m2	EMPC ng/m2	LRL ng/m2		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	----	0.0024	A	2,3,7,8-TCDF-13C	2.00	78
Total TCDF	0.037	----	0.0020		2,3,7,8-TCDD-13C	2.00	71
					1,2,3,7,8-PeCDF-13C	2.00	76
2,3,7,8-TCDD	ND	----	0.0032	A	2,3,4,7,8-PeCDF-13C	2.00	75
Total TCDD	0.120	----	0.0020		1,2,3,7,8-PeCDD-13C	2.00	71
					1,2,3,4,7,8-HxCDF-13C	2.00	120
1,2,3,7,8-PeCDF	ND	----	0.0100		1,2,3,6,7,8-HxCDF-13C	2.00	80
2,3,4,7,8-PeCDF	0.024	----	0.0100	J	2,3,4,6,7,8-HxCDF-13C	2.00	102
Total PeCDF	0.088	----	0.0100		1,2,3,7,8,9-HxCDF-13C	2.00	94
					1,2,3,4,7,8-HxCDD-13C	2.00	98
1,2,3,7,8-PeCDD	0.015	----	0.0100	J	1,2,3,6,7,8-HxCDD-13C	2.00	100
Total PeCDD	0.150	----	0.0100		1,2,3,4,6,7,8-HpCDF-13C	2.00	88
					1,2,3,4,7,8,9-HpCDF-13C	2.00	71
1,2,3,4,7,8-HxCDF	-----	0.017	0.0100	E	1,2,3,4,6,7,8-HpCDD-13C	2.00	80
1,2,3,6,7,8-HxCDF	ND	----	0.0100		OCDD-13C	4.00	52
2,3,4,6,7,8-HxCDF	0.021	----	0.0100	J			
1,2,3,7,8,9-HxCDF	0.012	----	0.0100	J	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	0.086	----	0.0100		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	0.015	----	0.0100	J	2,3,7,8-TCDD-37Cl4	0.20	74
1,2,3,6,7,8-HxCDD	0.014	----	0.0100	J			
1,2,3,7,8,9-HxCDD	0.013	----	0.0100	J			
Total HxCDD	0.380	----	0.0100				
1,2,3,4,6,7,8-HpCDF	0.030	----	0.0100	J	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	-----	0.016	0.0100	I	Equivalence: 0.027 ng/m2		
Total HpCDF	0.030	----	0.0100	J	(Using ITE Factors)		
1,2,3,4,6,7,8-HpCDD	-----	0.036	0.0100	I			
Total HpCDD	0.043	----	0.0100	J			
OCDF	-----	0.030	0.0200	I			
OCDD	-----	0.074	0.0200	I			

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.....02-1053614

REPORT OF LABORATORY ANALYSIS

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SUBJECT TO PROTECTIVE ORDER NO. 2, SEPT. 2008

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T-556 P.05/06 F-891

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

Tel: 612-607-1700

Fax: 612-607-6444

Method 8290 Analysis Results

Client - ATC

Client's Sample ID	ATC-0129-234M-DX2		
Lab Sample ID	103297016		
Filename	U20214A_07		
Injected By	CVS		
Total Amount Extracted	1 m2	Matrix	WIPE
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	01/29/2002
ICAL Date	01/25/2002	Received	01/31/2002
CCal Filename(s)	U20214A_02 & U20214A_16	Extracted	02/11/2002
Method Blank ID	BLANK-1458	Analyzed	02/14/2002 16:54

Native Isomers	Conc ng/m2	EMPC ng/m2	LRL ng/m2		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	----	0.0068	A	2,3,7,8-TCDF-13C	2.00	68
Total TCDF	0.017	----	0.0020		2,3,7,8-TCDD-13C	2.00	81
					1,2,3,7,8-PeCDF-13C	2.00	69
2,3,7,8-TCDD	ND	----	0.0065	A	2,3,4,7,8-PeCDF-13C	2.00	67
Total TCDD	0.045	----	0.0020		1,2,3,7,8-PeCDD-13C	2.00	90
					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	72
2,3,4,7,8-PeCDF	ND	----	0.0100		2,3,4,6,7,8-HxCDF-13C	2.00	78
Total PeCDF	0.010	----	0.0100	J	1,2,3,7,8,9-HxCDF-13C	2.00	81
					1,2,3,4,7,8-HxCDD-13C	2.00	105
1,2,3,7,8-PeCDD	ND	----	0.0100		1,2,3,6,7,8-HxCDD-13C	2.00	88
Total PeCDD	0.076	----	0.0100		1,2,3,4,6,7,8-HpCDF-13C	2.00	108
					1,2,3,4,7,8,9-HpCDF-13C	2.00	100
1,2,3,4,7,8-HxCDF	0.010	----	0.0100	J	1,2,3,4,6,7,8-HpCDD-13C	2.00	98
1,2,3,6,7,8-HxCDF	ND	----	0.0100		OCDD-13C	4.00	90
2,3,4,6,7,8-HxCDF	0.012	----	0.0100	J			
1,2,3,7,8,9-HxCDF	ND	----	0.0100		1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	0.037	----	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	88
1,2,3,6,7,8-HxCDD	ND	----	0.0100				
1,2,3,7,8,9-HxCDD	ND	----	0.0100				
Total HxCDD	0.300	----	0.0100				
1,2,3,4,6,7,8-HpCDF	0.022	----	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	0.037	----	0.0100	J	(Using ITE Factors)		
1,2,3,4,6,7,8-HpCDD	0.043	----	0.0100	J			
Total HpCDD	0.069	----	0.0100	J			
OCDF	ND	----	0.0200				
OCDD	0.088	----	0.0200	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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 NA = Not Applicable
 NC = Not Calculated
 * = See Discussion

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612-607-6444

T-556 P. 06/06 F-891

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

Client - ATC

Client's Sample ID	ATC-0128-234M-DX3		
Lab Sample ID	103297024		
Filename	U20214A_11		
Injected By	CVS		
Total Amount Extracted	1 m2	Matrix	WIPE
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	01/29/2002
ICAL Date	01/25/2002	Received	01/31/2002
CCal Filename(s)	U20214A_02 & U20214A_16	Extracted	02/11/2002
Method Blank ID	BLANK-1458	Analyzed	02/14/2002 20:12

Native Isomers	Conc ng/m2	EMPC ng/m2	LRL ng/m2		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	-----	0.0041	A	2,3,7,8-TCDF-13C	2.00	63
Total TCDF	ND	-----	0.0020		2,3,7,8-TCDD-13C	2.00	73
					1,2,3,7,8-PeCDF-13C	2.00	65
2,3,7,8-TCDD	ND	-----	0.0072	A	2,3,4,7,8-PeCDF-13C	2.00	64
Total TCDD	ND	-----	0.0020		1,2,3,7,8-PeCDD-13C	2.00	86
					1,2,3,4,7,8-HxCDF-13C	2.00	86
1,2,3,7,8-PeCDF	ND	-----	0.0100		1,2,3,6,7,8-HxCDF-13C	2.00	75
2,3,4,7,8-PeCDF	ND	-----	0.0100		2,3,4,6,7,8-HxCDF-13C	2.00	75
Total PeCDF	ND	-----	0.0100		1,2,3,7,8,9-HxCDF-13C	2.00	80
					1,2,3,4,7,8-HxCDD-13C	2.00	93
1,2,3,7,8-PeCDD	ND	-----	0.0100		1,2,3,6,7,8-HxCDD-13C	2.00	84
Total PeCDD	ND	-----	0.0100		1,2,3,4,6,7,8-HpCDF-13C	2.00	87
					1,2,3,4,7,8,9-HpCDF-13C	2.00	84
1,2,3,4,7,8-HxCDF	ND	-----	0.0100		1,2,3,4,6,7,8-HpCDD-13C	2.00	80
1,2,3,6,7,8-HxCDF	ND	-----	0.0100		OCDD-13C	4.00	74
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	80
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	ND	-----	0.0100		Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	-----	0.0100		Equivalence: 0.00 ng/m2		
Total HpCDF	ND	-----	0.0100		(Using ITE Factors)		
1,2,3,4,6,7,8-HpCDD	ND	-----	0.0100				
Total HpCDD	ND	-----	0.0100				
OCDF	ND	-----	0.0200				
OCDD	ND	-----	0.0200				

Field blank

Conc = Concentration (Totals include 2,3,7,8-substituted isomers)
 EMPC = Estimated Maximum Possible Concentration
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