



Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612-607-6444

Method 8290 Analysis Results

Client - ATC

Client's Sample ID	ATC-0327-STY-DX3		
Lab Sample ID	103451803		
Filename	U20425D_10		
Injected By	BAL		
Total Amount Extracted	1 m2	Matrix	WIPE
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	03/27/2002
ICAL Date	04/16/2002	Received	04/02/2002
CCal Filename(s)	U20425C_16 & U20425D_16	Extracted	04/19/2002
Method Blank ID	BLANK-1581	Analyzed	04/26/2002 14:20

Native Isomers	Conc ng/m2	EMPC ng/m2	LRL ng/m2		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	0.0082	----	0.0061	JA	2,3,7,8-TCDF-13C	2.00	68
Total TCDF	0.0480	----	0.0020		2,3,7,8-TCDD-13C	2.00	74
					1,2,3,7,8-PeCDF-13C	2.00	79
2,3,7,8-TCDD	ND	----	0.0042	A	2,3,4,7,8-PeCDF-13C	2.00	78
Total TCDD	0.0450	----	0.0020		1,2,3,7,8-PeCDD-13C	2.00	85
					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	0.0130	----	0.0100	J	2,3,4,6,7,8-HxCDF-13C	2.00	80
Total PeCDF	0.0900	----	0.0100		1,2,3,7,8,9-HxCDF-13C	2.00	90
					1,2,3,4,7,8-HxCDD-13C	2.00	85
1,2,3,7,8-PeCDD	ND	----	0.0100		1,2,3,6,7,8-HxCDD-13C	2.00	85
Total PeCDD	0.2000	----	0.0100		1,2,3,4,6,7,8-HpCDF-13C	2.00	85
					1,2,3,4,7,8,9-HpCDF-13C	2.00	94
1,2,3,4,7,8-HxCDF	----	0.011	0.0100	I	1,2,3,4,6,7,8-HpCDD-13C	2.00	92
1,2,3,6,7,8-HxCDF	ND	----	0.0100		OCDD-13C	4.00	94
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	0.0300	----	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	72
1,2,3,6,7,8-HxCDD	0.0140	----	0.0100	J			
1,2,3,7,8,9-HxCDD	ND	----	0.0100				
Total HxCDD	0.2600	----	0.0100				
1,2,3,4,6,7,8-HpCDF	0.0450	----	0.0100	J	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	----	0.0100		Equivalence: 0.010 ng/m2		
Total HpCDF	0.0450	----	0.0100	J	(Using ITE Factors)		
1,2,3,4,6,7,8-HpCDD	0.0700	----	0.0100				
Total HpCDD	0.1500	----	0.0100				
OCDF	0.0330	----	0.0200	J			
OCDD	0.2700	----	0.0200				

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.....02-1055819

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

CITY_21MC100_003797475