NYC 9/11 Public Portal Document

Pace Analytical™

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 ASSOCIATES

Client's Sample ID	ATC-0822-131M-DX1		
Lab Sample ID	103800389		
Filename	U20929B_15		
Injected By	BAL		
Total Amount Extracted	1.00 m2	Matrix	WIPE
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	08/22/2002
ICAL Date	08/06/2002	Received	08/24/2002
CCal Filename(s)	U20929B_01 & U20929B_17	Extracted	09/17/2002
Method Blank ID	BLANK-2163	Analyzed	09/30/2002 12:11

Native Isomers	Conc ng/m2	EMPC ng/m2	LRL ng/m2		Internal Standards	ng's Added	Percent Recovery	
2,3,7,8-TCDF	ND	-----	0.0020		2,3,7,8-TCDF-13C	2.00	56	
Total TCDF	0.012	-----	0.0020		2,3,7,8-TCDD-13C	2.00	57	
					1,2,3,7,8-PeCDF-13C	2.00	49	
2,3,7,8-TCDD	ND	-----	0.0020		2,3,4,7,8-PeCDF-13C	2.00	45	
Total TCDD	0.029	-----	0.0020		1,2,3,7,8-PeCDD-13C	2.00	46	
					1,2,3,4,7,8-HxCDF-13C	2.00	82	
1,2,3,7,8-PeCDF	-----	0.027	0.0100	E	1,2,3,6,7,8-HxCDF-13C	2.00	65	
2,3,4,7,8-PeCDF	ND	-----	0.0100		2,3,4,6,7,8-HxCDF-13C	2.00	61	
Total PeCDF	ND	-----	0.0100		1,2,3,7,8,9-HxCDF-13C	2.00	47	
					1,2,3,4,7,8-HxCDD-13C	2.00	88	
1,2,3,7,8-PeCDD	ND	-----	0.0100		1,2,3,6,7,8-HxCDD-13C	2.00	59	
Total PeCDD	ND	-----	0.0100		1,2,3,4,6,7,8-HpCDF-13C	2.00	34	IP
					1,2,3,4,7,8,9-HpCDF-13C	2.00	48	
1,2,3,4,7,8-HxCDF	ND	-----	0.0100		1,2,3,4,6,7,8-HpCDD-13C	2.00	50	
1,2,3,6,7,8-HxCDF	ND	-----	0.0100		OCDD-13C	4.00	47	
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	61	
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: 0.0016 ng/m2			
Total HpCDF	0.079	-----	0.0100		(Using ITE Factors)			
1,2,3,4,6,7,8-HpCDD	0.075	-----	0.0100					
Total HpCDD	0.130	-----	0.0100					
OCDF	0.086	-----	0.0200	J				
OCDD	0.780	-----	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.....1061758

REPORT OF LABORATORY ANALYSIS

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Fax: 612-607-6444

Method 8290 Analysis Results

Client - ATC ASSOCIATES

Client's Sample ID	ATC-0822-131M-DX2		
Lab Sample ID	103800397		
Filename	U20929B_10		
Injected By	BAL		
Total Amount Extracted	1.00 m2	Matrix	WIPE
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	08/22/2002
ICAL Date	08/06/2002	Received	08/24/2002
CCal Filename(s)	U20929B_01 & U20929B_17	Extracted	09/17/2002
Method Blank ID	BLANK-2163	Analyzed	09/30/2002 08:06

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	35 P
Total TCDF	0.0021	-----	0.00200 J	2,3,7,8-TCDD-13C	2.00	35 P
				1,2,3,7,8-PeCDF-13C	2.00	34 P
2,3,7,8-TCDD	ND	-----	0.00200	2,3,4,7,8-PeCDF-13C	2.00	33 P
Total TCDD	0.0056	-----	0.00200 BJ	1,2,3,7,8-PeCDD-13C	2.00	33 P
				1,2,3,4,7,8-HxCDF-13C	2.00	44
1,2,3,7,8-PeCDF	ND	-----	0.01000	1,2,3,6,7,8-HxCDF-13C	2.00	38 P
2,3,4,7,8-PeCDF	ND	-----	0.01000	2,3,4,6,7,8-HxCDF-13C	2.00	39 P
Total PeCDF	ND	-----	0.01000	1,2,3,7,8,9-HxCDF-13C	2.00	36 P
				1,2,3,4,7,8-HxCDD-13C	2.00	55
1,2,3,7,8-PeCDD	ND	-----	0.01000	1,2,3,6,7,8-HxCDD-13C	2.00	35 P
Total PeCDD	ND	-----	0.01000	1,2,3,4,6,7,8-HpCDF-13C	2.00	32 P
				1,2,3,4,7,8,9-HpCDF-13C	2.00	29 P
1,2,3,4,7,8-HxCDF	ND	-----	0.01000	1,2,3,4,6,7,8-HpCDD-13C	2.00	36 P
1,2,3,6,7,8-HxCDF	ND	-----	0.01000	OCDD-13C	4.00	29 P
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	37
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: 0.00059 ng/m2		
Total HpCDF	ND	-----	0.01000	(Using ITE Factors)		
1,2,3,4,6,7,8-HpCDD	0.0270	-----	0.01000 J			
Total HpCDD	0.0530	-----	0.01000 J			
OCDF	ND	-----	0.02000			
OCDD	0.3200	-----	0.02000			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers)
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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
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S = Saturated signal
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Fax: 612-607-6444

Method 8290 Analysis Results

Client - ATC ASSOCIATES

Client's Sample ID	ATC-0822-131M-DX3		
Lab Sample ID	103800405		
Filename	U20929B_11		
Injected By	BAL		
Total Amount Extracted	1.00 m2	Matrix	WIPE
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	08/22/2002
ICAL Date	08/06/2002	Received	08/24/2002
CCal Filename(s)	U20929B_01 & U20929B_17	Extracted	09/17/2002
Method Blank ID	BLANK-2163	Analyzed	09/30/2002 08:55

Native Isomers	Conc ng/m2	EMPC ng/m2	LRL ng/m2		Internal Standards	ng's Added	Percent Recovery	
2,3,7,8-TCDF	-----	0.0022	0.00200	I	2,3,7,8-TCDF-13C	2.00	32	P
Total TCDF	ND	-----	0.00200		2,3,7,8-TCDD-13C	2.00	31	P
					1,2,3,7,8-PeCDF-13C	2.00	33	P
2,3,7,8-TCDD	ND	-----	0.00250	A	2,3,4,7,8-PeCDF-13C	2.00	33	P
Total TCDD	0.0085	-----	0.00200	BJ	1,2,3,7,8-PeCDD-13C	2.00	33	P
					1,2,3,4,7,8-HxCDF-13C	2.00	40	
1,2,3,7,8-PeCDF	ND	-----	0.01000		1,2,3,6,7,8-HxCDF-13C	2.00	39	P
2,3,4,7,8-PeCDF	ND	-----	0.01000		2,3,4,6,7,8-HxCDF-13C	2.00	38	P
Total PeCDF	ND	-----	0.01000		1,2,3,7,8,9-HxCDF-13C	2.00	35	P
					1,2,3,4,7,8-HxCDD-13C	2.00	48	
1,2,3,7,8-PeCDD	ND	-----	0.01000		1,2,3,6,7,8-HxCDD-13C	2.00	37	P
Total PeCDD	ND	-----	0.01000		1,2,3,4,6,7,8-HpCDF-13C	2.00	35	P
					1,2,3,4,7,8,9-HpCDF-13C	2.00	31	P
1,2,3,4,7,8-HxCDF	ND	-----	0.01000		1,2,3,4,6,7,8-HpCDD-13C	2.00	35	P
1,2,3,6,7,8-HxCDF	ND	-----	0.01000		OCDD-13C	4.00	28	P
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	33	
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: 0.000040 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	0.0400	-----	0.02000	J				

Conc = Concentration (Totals include 2,3,7,8-substituted isomers)
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Method 8290 Analysis Results

Client - ATC ASSOCIATES

Client's Sample ID	ATC-0822-131M-DX4		
Lab Sample ID	103800413		
Filename	U20929B_12		
Injected By	BAL		
Total Amount Extracted	1.00 m2	Matrix	WIPE
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	08/22/2002
ICAL Date	08/06/2002	Received	08/24/2002
CCal Filename(s)	U20929B_01 & U20929B_17	Extracted	09/17/2002
Method Blank ID	BLANK-2163	Analyzed	09/30/2002 09:44

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	45	
Total TCDF	ND	-----	0.00200		2,3,7,8-TCDD-13C	2.00	44	
					1,2,3,7,8-PeCDF-13C	2.00	47	
2,3,7,8-TCDD	ND	-----	0.00200		2,3,4,7,8-PeCDF-13C	2.00	47	
Total TCDD	0.0035	-----	0.00200	BJ	1,2,3,7,8-PeCDD-13C	2.00	49	
					1,2,3,4,7,8-HxCDF-13C	2.00	53	
1,2,3,7,8-PeCDF	ND	-----	0.01000		1,2,3,6,7,8-HxCDF-13C	2.00	55	
2,3,4,7,8-PeCDF	ND	-----	0.01000		2,3,4,6,7,8-HxCDF-13C	2.00	52	
Total PeCDF	ND	-----	0.01000		1,2,3,7,8,9-HxCDF-13C	2.00	49	
					1,2,3,4,7,8-HxCDD-13C	2.00	64	
1,2,3,7,8-PeCDD	ND	-----	0.01000		1,2,3,6,7,8-HxCDD-13C	2.00	51	
Total PeCDD	ND	-----	0.01000		1,2,3,4,6,7,8-HpCDF-13C	2.00	48	
					1,2,3,4,7,8,9-HpCDF-13C	2.00	44	
1,2,3,4,7,8-HxCDF	ND	-----	0.01000		1,2,3,4,6,7,8-HpCDD-13C	2.00	48	
1,2,3,6,7,8-HxCDF	ND	-----	0.01000		OCDD-13C	4.00	39	P
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	50	
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					

Conc = Concentration (Totals include 2,3,7,8-substituted isomers)
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