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

Client ATC ASSOCIATES

Client's Sample ID	ATC 1112 150M DX1		
Lab Sample ID	104041579		
Filename	F21204B_10		
Injected By	MRO		
Total Amount Extracted	1.00 m2	Matrix	WIPE
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	11/12/2002
ICAL Date	11/25/2002	Received	11/15/2002
CCal Filename(s)	F21204B_01 & F21204B_16	Extracted	11/25/2002
Method Blank ID	BLANK 2453	Analyzed	12/05/2002 02:02

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	95
Total TCDF	ND	0.00200		2 3 7 8 TCDD 13C	2.00	95
				1 2 3 7 8 PeCDF 13C	2.00	83
2 3 7 8 TCDD	ND	0.00200		2 3 4 7 8 PeCDF 13C	2.00	80
Total TCDD	0.0054	0.00200 J		1 2 3 7 8 PeCDD 13C	2.00	82
				1 2 3 4 7 8 HxCDF 13C	2.00	97
1 2 3 7 8 PeCDF	ND	0.01000		1 2 3 6 7 8 HxCDF 13C	2.00	103
2 3 4 7 8 PeCDF	ND	0.01000		2 3 4 6 7 8 HxCDF 13C	2.00	99
Total PeCDF	ND	0.01000		1 2 3 7 8 9 HxCDF 13C	2.00	103
				1 2 3 4 7 8 HxCDD 13C	2.00	97
1 2 3 7 8 PeCDD	ND	0.01000		1 2 3 6 7 8 HxCDD 13C	2.00	101
Total PeCDD	ND	0.01000		1 2 3 4 6 7 8 HpCDF 13C	2.00	88
				1 2 3 4 7 8 9 HpCDF 13C	2.00	80
1 2 3 4 7 8 HxCDF	ND	0.01000		1 2 3 4 6 7 8 HpCDD 13C	2.00	75
1 2 3 6 7 8 HxCDF	ND	0.01000		OCDD 13C	4.00	78
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	93
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 0.00060 ng/m2		
Total HpCDF	ND	0.01000		(Using ITE Factors)		
1 2 3 4 6 7 8 HpCDD	0.0290	0.01000 J				
Total HpCDD	0.0570	0.01000 J				
OCDF	ND	0.02000				
OCDD	0.3200	0.02000				

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

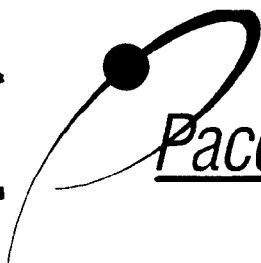
NC = Not Calculated

= See Discussion

Report No 1065494

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CITY_21MC100_012155606

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

Client ATC ASSOCIATES

Client's Sample ID	ATC 1112 150M DX2		
Lab Sample ID	104041587		
Filename	F21204B_11		
Injected By	MRO		
Total Amount Extracted	1.00 m2	Matrix	WIPE
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	11/12/2002
ICAL Date	11/25/2002	Received	11/15/2002
CCal Filename(s)	F21204B_01 & F21204B_16	Extracted	11/25/2002
Method Blank ID	BLANK 2453	Analyzed	12/05/2002 02:51

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	81
Total TCDF	ND		0.00200	2 3 7 8 TCDD 13C	2.00	81
				1 2 3 7 8 PeCDF 13C	2.00	81
2 3 7 8 TCDD	ND		0.00200	2 3 4 7 8 PeCDF 13C	2.00	79
Total TCDD	ND		0.00200	1 2 3 7 8 PeCDD 13C	2.00	79
				1 2 3 4 7 8 HxCDF 13C	2.00	102
1 2 3 7 8 PeCDF	ND		0.01000	1 2 3 6 7 8 HxCDF 13C	2.00	105
2 3 4 7 8 PeCDF	ND		0.01000	2 3 4 6 7 8 HxCDF 13C	2.00	104
Total PeCDF	ND		0.01000	1 2 3 7 8 9 HxCDF 13C	2.00	108
				1 2 3 4 7 8 HxCDD 13C	2.00	104
1 2 3 7 8 PeCDD	ND		0.01000	1 2 3 6 7 8 HxCDD 13C	2.00	106
Total PeCDD	ND		0.01000	1 2 3 4 6 7 8 HpCDF 13C	2.00	93
				1 2 3 4 7 8 9 HpCDF 13C	2.00	85
1 2 3 4 7 8 HxCDF	ND		0.01000	1 2 3 4 6 7 8 HpCDD 13C	2.00	77
1 2 3 6 7 8 HxCDF	ND		0.01000	OCDD 13C	4.00	83
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	83
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)

EMPC = Estimated Maximum Possible Concentration

A = Detection Limit based on signal to noise measurement

J = Concentration detected is below the calibration range

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S = Saturated signal

ND = Not Detected

NA = Not Applicable

NC = Not Calculated

= See Discussion

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