



Minneapolis, MN 55414

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Method 8290 Analysis Results

Client - ATC ASSOCIATES

Client's Sample ID	ATC-0424-STY-DX3		
Lab Sample ID	103499943		
Filename	F20509C_10		
Injected By	BAL		
Total Amount Extracted	1 m2	Matrix	WIPE
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	04/24/2002
ICAL Date	05/04/2002	Received	04/30/2002
CCal Filename(s)	F20509B_15 & F20509C_15	Extracted	05/06/2002
Method Blank ID	BLANK-1610	Analyzed	05/10/2002 02:40

Native Isomers	Conc ng/m2	EMPC ng/m2	LRL ng/m2		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	0.0047	----	0.00250	JA	2,3,7,8-TCDF-13C	2.00	75
Total TCDF	0.2600	----	0.00200		2,3,7,8-TCDD-13C	2.00	62
					1,2,3,7,8-PeCDF-13C	2.00	66
2,3,7,8-TCDD	0.0026	----	0.00200	J	2,3,4,7,8-PeCDF-13C	2.00	66
Total TCDD	0.3500	----	0.00200		1,2,3,7,8-PeCDD-13C	2.00	63
					1,2,3,4,7,8-HxCDF-13C	2.00	97
1,2,3,7,8-PeCDF	-----	0.027	0.01000	E	1,2,3,6,7,8-HxCDF-13C	2.00	63
2,3,4,7,8-PeCDF	0.0240	----	0.01000	J	2,3,4,6,7,8-HxCDF-13C	2.00	81
Total PeCDF	0.1700	----	0.01000		1,2,3,7,8,9-HxCDF-13C	2.00	78
					1,2,3,4,7,8-HxCDD-13C	2.00	79
1,2,3,7,8-PeCDD	ND	----	0.01000		1,2,3,6,7,8-HxCDD-13C	2.00	75
Total PeCDD	0.2700	----	0.01000		1,2,3,4,6,7,8-HpCDF-13C	2.00	72
					1,2,3,4,7,8,9-HpCDF-13C	2.00	63
1,2,3,4,7,8-HxCDF	0.0260	----	0.01000	J	1,2,3,4,6,7,8-HpCDD-13C	2.00	60
1,2,3,6,7,8-HxCDF	0.0230	----	0.01000	J	OCDD-13C	4.00	72
2,3,4,6,7,8-HxCDF	0.0360	----	0.01000	J			
1,2,3,7,8,9-HxCDF	0.0130	----	0.01000	J	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	0.2400	----	0.01000		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	0.0120	----	0.01000	J	2,3,7,8-TCDD-37Cl4	0.20	75
1,2,3,6,7,8-HxCDD	0.0210	----	0.01000	J			
1,2,3,7,8,9-HxCDD	0.0150	----	0.01000	J			
Total HxCDD	0.8800	----	0.01000				
1,2,3,4,6,7,8-HpCDF	0.1400	----	0.01000		Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	0.0280	----	0.01000	J	Equivalence: 0.033 ng/m2		
Total HpCDF	0.1700	----	0.01000		(Using ITE Factors)		
1,2,3,4,6,7,8-HpCDD	0.1600	----	0.01000				
Total HpCDD	0.2600	----	0.01000				
OCDF	0.0870	----	0.02000	J			
OCDD	0.6500	----	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

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