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Method 8290 Laboratory Control Spike Results

Client - ATC ASSOCIATES

Lab Sample ID	SPIKE DUP-2233	Matrix	WIPE
Filename	U21008B_02	Dilution	NA
Total Amount Extracted	1.00 m2	Extracted	09/29/2002
ICAL Date	08/06/2002	Analyzed	10/08/2002 22:23
CCal Filename(s)	U21008A_17 & U21008B_16	Injected By	MRO
Method Blank ID	BLANK-2231		

Native Isomers	Qs (ng)	Qm (ng)	% Rec.	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	0.20	0.19	96	2,3,7,8-TCDF-13C	2.00	69
				2,3,7,8-TCDD-13C	2.00	66
				1,2,3,7,8-PeCDF-13C	2.00	80
2,3,7,8-TCDD	0.20	0.19	93	2,3,4,7,8-PeCDF-13C	2.00	80
				1,2,3,7,8-PeCDD-13C	2.00	80
				1,2,3,4,7,8-HxCDF-13C	2.00	85
1,2,3,7,8-PeCDF	1.00	0.95	95	1,2,3,6,7,8-HxCDF-13C	2.00	90
2,3,4,7,8-PeCDF	1.00	0.98	98	2,3,4,6,7,8-HxCDF-13C	2.00	87
				1,2,3,7,8,9-HxCDF-13C	2.00	87
				1,2,3,4,7,8-HxCDD-13C	2.00	92
1,2,3,7,8-PeCDD	1.00	0.94	94	1,2,3,6,7,8-HxCDD-13C	2.00	86
				1,2,3,4,6,7,8-HpCDF-13C	2.00	83
				1,2,3,4,7,8,9-HpCDF-13C	2.00	80
1,2,3,4,7,8-HxCDF	1.00	0.95	95	1,2,3,4,6,7,8-HpCDD-13C	2.00	75
1,2,3,6,7,8-HxCDF	1.00	0.97	97	OCDD-13C	4.00	69
2,3,4,6,7,8-HxCDF	1.00	0.98	98			
1,2,3,7,8,9-HxCDF	1.00	0.98	98	1,2,3,4-TCDD-13C	2.00	NA
				1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	1.00	0.90	90	2,3,7,8-TCDD-37Cl4	0.20	69
1,2,3,6,7,8-HxCDD	1.00	0.98	98			
1,2,3,7,8,9-HxCDD	1.00	0.96	96			
1,2,3,4,6,7,8-HpCDF	1.00	0.98	98			
1,2,3,4,7,8,9-HpCDF	1.00	0.98	98			
1,2,3,4,6,7,8-HpCDD	1.00	1.02	102			
OCDF	2.00	2.04	102			
OCDD	2.00	2.00	100			

Qs = Quantity Spiked
Qm = Quantity Measured
Rec. = Recovery (Expressed as Percent)
P = Recovery outside of target range
X = Background subtracted value
Nn = Value obtained from additional analysis
NA = Not Applicable
* = See Discussion

Report No.....1062004

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