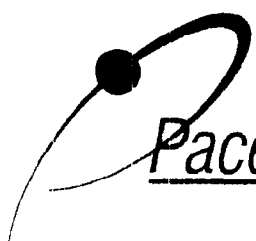


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Method 8290 Laboratory Control Spike Results

Client - ATC

Lab Sample ID	SPIKE-1568	Matrix	WIPE
Filename	U20410B_19	Dilution	NA
Total Amount Extracted	1 m2	Extracted	04/05/2002
ICAL Date	04/10/2002	Analyzed	04/11/2002 09:35
CCal Filename(s)	U20410B_06 & U20410B_21	Injected By	BAL
Method Blank ID	BLANK-1556		

Native Isomers	Qs (ng)	Qm (ng)	% Rec.	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	0.20	0.29	145 P	2,3,7,8-TCDF-13C	2.00	63
				2,3,7,8-TCDD-13C	2.00	66
				1,2,3,7,8-PeCDF-13C	2.00	62
2,3,7,8-TCDD	0.20	0.28	141 P	2,3,4,7,8-PeCDF-13C	2.00	63
				1,2,3,7,8-PeCDD-13C	2.00	64
				1,2,3,4,7,8-HxCDF-13C	2.00	101
1,2,3,7,8-PeCDF	1.00	1.48	148 P	1,2,3,6,7,8-HxCDF-13C	2.00	97
2,3,4,7,8-PeCDF	1.00	1.50	150 P	2,3,4,6,7,8-HxCDF-13C	2.00	94
				1,2,3,7,8,9-HxCDF-13C	2.00	88
				1,2,3,4,7,8-HxCDD-13C	2.00	97
1,2,3,7,8-PeCDD	1.00	1.48	148 P	1,2,3,6,7,8-HxCDD-13C	2.00	89
				1,2,3,4,6,7,8-HpCDF-13C	2.00	86
				1,2,3,4,7,8,9-HpCDF-13C	2.00	76
1,2,3,4,7,8-HxCDF	1.00	1.51	151 P	1,2,3,4,6,7,8-HpCDD-13C	2.00	91
1,2,3,6,7,8-HxCDF	1.00	1.51	151 P	OCDD-13C	4.00	80
2,3,4,6,7,8-HxCDF	1.00	1.48	148 P			
1,2,3,7,8,9-HxCDF	1.00	1.49	149 P	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	1.48	148 P	2,3,7,8-TCDD-37Cl4	0.20	75
1,2,3,6,7,8-HxCDD	1.00	1.49	149 P			
1,2,3,7,8,9-HxCDD	1.00	1.38	138 P			
1,2,3,4,6,7,8-HpCDF	1.00	1.44	144 P			
1,2,3,4,7,8,9-HpCDF	1.00	1.45	145 P			
1,2,3,4,6,7,8-HpCDD	1.00	1.39	139 P			
OCDF	2.00	2.88	144 P			
OCDD	2.00	2.98	149 P			

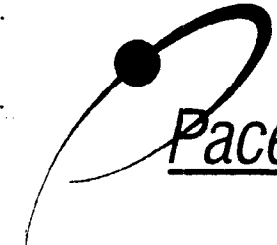
Qs = Quantity Spiked
Qm = Quantity Measured
Rec. = Recovery (Expressed as Percent)
P = Recovery outside of target range
X = Background subtracted value
Nn = Value obtained from additional analysis
NA = Not Applicable
* = See Discussion

Report No.....02-1055553

REPORT OF LABORATORY ANALYSIS

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CITY_21MC100_003068196



Pace AnalyticalTM

Method 8290 Laboratory Control Spike Results

Client - ATC

Lab Sample ID	SPIKE-DUP-1367	Matrix	WIPE
Filename	U20410B_20	Dilution	NA
Total Amount Extracted	1 m2	Extracted	04/05/2002
ICAL Date	04/10/2002	Analyzed	04/11/2002 10:24
CCal Filename(s)	U20410B_06 & U20410B_21	Injected By	BAL
Method Blank ID	BLANK-1556		

Native Isomers	Qs (ng)	Qm (ng)	% Rec.	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	0.20	0.25	125	2,3,7,8-TCDF-13C	2.00	65
				2,3,7,8-TCDD-13C	2.00	66
				1,2,3,7,8-PeCDF-13C	2.00	61
2,3,7,8-TCDD	0.20	0.25	123	2,3,4,7,8-PeCDF-13C	2.00	62
				1,2,3,7,8-PeCDD-13C	2.00	63
				1,2,3,4,7,8-HxCDF-13C	2.00	96
1,2,3,7,8-PeCDF	1.00	1.30	130	1,2,3,6,7,8-HxCDF-13C	2.00	94
2,3,4,7,8-PeCDF	1.00	1.30	130	2,3,4,6,7,8-HxCDF-13C	2.00	89
				1,2,3,7,8,9-HxCDF-13C	2.00	88
				1,2,3,4,7,8-HxCDD-13C	2.00	89
1,2,3,7,8-PeCDD	1.00	1.29	129	1,2,3,6,7,8-HxCDD-13C	2.00	89
				1,2,3,4,6,7,8-HpCDF-13C	2.00	81
				1,2,3,4,7,8,9-HpCDF-13C	2.00	74
1,2,3,4,7,8-HxCDF	1.00	1.30	130	1,2,3,4,6,7,8-HpCDD-13C	2.00	88
1,2,3,6,7,8-HxCDF	1.00	1.31	131 P	OCDD-13C	4.00	76
2,3,4,6,7,8-HxCDF	1.00	1.32	132 P			
1,2,3,7,8,9-HxCDF	1.00	1.27	127	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	1.28	128	2,3,7,8-TCDD-37Cl4	0.20	73
1,2,3,6,7,8-HxCDD	1.00	1.28	128			
1,2,3,7,8,9-HxCDD	1.00	1.21	121			
1,2,3,4,6,7,8-HpCDF	1.00	1.25	125			
1,2,3,4,7,8,9-HpCDF	1.00	1.23	123			
1,2,3,4,6,7,8-HpCDD	1.00	1.18	118			
OCDF	2.00	2.55	127			
OCDD	2.00	2.59	130			

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

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