



REPORT OF: CHEMICAL ANALYSES

Pace Analytical Services, Inc.
 1700 Elm Street, Suite 200
 Minneapolis, MN 55414
 Phone: 612.607.1700
 Fax: 612.607.6444

PROJECT: PCDD/PCDF ANALYSES**DATE:** October 17, 2002

ISSUED TO: ATC Associates
 Attn: Mr. Jim Cohn
 104 East 25th Street, 10th Floor
 New York, NY 10010

REPORT NO:02-1061865**INTRODUCTION**

This report presents the results from the analyses performed on four samples that were submitted by a representative of ATC Associates. The samples were analyzed for the presence or absence of polychlorinated dibenzo-p-dioxins (PCDDs) and dibenzofurans (PCDFs) using a modified version of USEPA Method 8290.

SAMPLE IDENTIFICATION

<u>Client ID</u>	<u>Sample Type</u>	<u>Date Received</u>	<u>Pace ID</u>
ATC-0826-130M-DX1	Wipe	08/28/02	103810149
ATC-0826-130M-DX2	Wipe	08/28/02	103810156
ATC-0826-130M-DX3	Wipe	08/28/02	103810164
ATC-0826-130M-DX4	Wipe	08/28/02	103810172

DISCUSSION

The recoveries of the isotopically-labeled PCDD/PCDF internal standards in the sample extracts ranged from 46-110%. All of the labeled internal standard recoveries obtained for this project were within the target range specified in Method 8290. Also, since the quantifications of the native 2,3,7,8-substituted isomers were based on isotope dilution, the data were automatically corrected for variation in recovery and accurate values were obtained.

A laboratory method blank was prepared and analyzed with each sample batch as part of our routine quality control procedures. The results, found at the beginning of Appendix B, show one of the blanks to contain a trace level of OCDD. The value was below the calibration range for this method. One of the samples contained a similar level of this isomer and is flagged "B" on the data summary sheet. In general, levels less than ten times the background are not considered statistically different from the background. This indicates that the sample processing procedures ~~did not significantly impact the results of the analyses.~~

REPORT OF LABORATORY ANALYSIS

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