

APPENDIX 1. AUTOMATED SOLID-PHASE EXTRACTION PROCEDURE USING AUTOTRACE WORKSTATION

Tekmar AutoTrace Extraction Workstation 1.33
[mL, milliliter; min, minute]

AutoTrace Extraction Procedure : JK.123.MEOH

Estimated time for samples : 49.1 minutes

Date : December 12, 1999

Step 1 : Process six samples using the following procedure:

Step 2 : Condition column with 3 mL methanol into SOLVENT WASTE

Step 3 : Condition column with 3 mL ethyl acetate into SOLVENT WASTE

Step 4 : Condition column with 3 mL methanol into SOLVENT WASTE

Step 5 : Condition column with 3 mL distilled water into AQUEOUS WASTE

Step 6 : Wash syringe with 5 mL ethyl acetate

Step 7 : Load 125 mL of sample onto column

Step 8 : Dry column with gas for 0.5 min

Step 9 : Condition column with 3.5 mL ethyl acetate into SOLVENT WASTE

Step 10 : Collect 3.5 mL fraction into sample tube using methanol

Step 11 : Dry column with gas for 3 minutes

Step 12 : END

Setup Parameters

[mL/min, milliliters per minute; mL, milliliter]

AutoTrace Extraction Workstation

FLOW RATES		Rinse flow:	20.0
(mL/min)		Elute flow:	5.0
Condition flow:	10.0	Condition air push:	15.0
Load flow:	10.0	Rinse air push:	20.0

Elute air push: 5.0

Autowash volume: 1.00 mL

WORKSTATION PARAMETERS

SOLID-PHASE EXTRACTION

Maximum elution volume: 12.0 mL

PARAMETERS

Exhaust fan on: Yes

Push delay: 5 seconds

Beeper on: Yes

Air factory: 1.0

Name Solvents

Solvent 1 : Ethyl acetate

Solvent 2 : Methanol

Solvent 3 : Distilled water

Solvent 4 : not used

Solvent 5 : not used