

	<b>TRACE-PM Supplies and Services and Services</b>	
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	Document Manager: Cheryl Lozen	Approved By: Ryan Larrison

## Trace Supplies and Services

### Consumables, supplies and services for the Trace Evidence Unit:

Item	Supplier	Criteria/Information (also some criteria listed below)	Location of Documentation
Checking Microspectrophotometer (MSP) Filters	CRAIC	Criteria: Able to check/re-certify the MSP filters used for function verifications for consistency in qualities (also see Qualtrax workflow ID 18694)	Notebook near instrument
Solvents for Fire Debris Analysis	not critical	Reagent grade or better  Must be tested for impurities before use, per Trace Procedure Manual Fire Debris Analysis - Analytical Approach 5.1.1.4	At the laboratories that do fire debris analysis
Activated Charcoal Strips for Fire Debris Analysis	Albrayco	Clear of contaminants/Must be tested for impurities before use, per Trace Procedure Manual Fire Debris Analysis - Analytical Approach 5.1.1.4	At the laboratories that do fire debris analysis
Internal Standard for GC-MS (ex: Fire Debris)	not critical	Each new test solution made (internal control mixed with solvent) must be tested before being used.	Placed in a file at the laboratory utilizing that internal standard.
Nylon bags for Fire Debris Analysis	Grand River Products	No unexpected components/contaminants detected/ Sole source	Each case has a system blank run with an empty bag from the vendor; in case file

**The supplies (and their vendors) are continually monitored and/or re-evaluated by the use of casework function verifications and other periodic quality checks. These are recorded in logbooks and/or casefile documentation.**

**Though the listed consumables, supplies and services used by the Trace Evidence Unit are deemed important they are not deemed "Critical". (Use the list below as a purchasing guide)**

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*Note: For services (for example, proficiency testing companies and Microspec filter checks), also see a Qualtrax FSD Contractors, Subcontractors and Vendors workflow report for more information.*

### **Bank Dye Analysis**

#### **MAAQ**

- Sigma-Aldrich

### **Glass Analysis**

#### **GRIM Silicone Oils**

Suppliers:

- Locke Scientific
- Foster & Freeman

#### **GRIM Hotstage Slides**

- McCrone

### **GC-MS**

#### **Solvents**

- Sigma-Aldrich
- VWR

### **Flammables Analysis**

#### **Activated Charcoal Strips**

##### **ACS-100 strips**

- Albrayco Technologies, Inc.

#### **Nylon Evidence Bags**

- Grand River Products – 444 Lexington Road, Grosse Pointe Farms, MI 48236 – Phone 313-881-7861  
Fax 313-881-7876

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### **Carbon Disulfide**

- Sigma-Aldrich
- VWR

### **Internal Standard**

- Sigma-Aldrich

### **ASTM Standard and C5 – C20 sample**

- Restek

### **Glass Vials and Inserts**

- VWR
- MicroLiter Analytical supplies, Inc. out of Suwanee, GA. [www.microliter.com](http://www.microliter.com)

### **Microscopy**

#### **Refractive Index Liquids**

##### **Cargille Refractive Index Liquids**

- Various suppliers including:
  - Cargille [www.cargille.com/refractivestandards](http://www.cargille.com/refractivestandards)
  - McCrone Microscopes & Accessories - [www.mccronemicroscopes.com](http://www.mccronemicroscopes.com) - Tel: 800-622-8122; 850 Pasquinelli Drive Westmont, IL 60559-5539

### **SEM-EDS**

#### **SEM Stubs**

- Ted Pella

#### **Carbon Tape**

- Ted Pella

### **X-Ray Fluorescence**

#### **Mounting Film**

#### **Kapton Film**

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- Suppliers:
  - SPEX CertiPrep
  - Chemplex

### **Mounting Tape**

**Any commercial product with low elemental content (tested before use)**

### **Adhesive**

- Spi-Chem Spi-Tac liquid adhesive. [www.2spi.com](http://www.2spi.com)

### **Sample cups**

- Chemplex XRF Sample Cups catalog number 1940; [chemplex.com](http://chemplex.com)

### **Footwear/Tire**

**Tire Guides** – [tireguides.com](http://tireguides.com) Phone 561-997-9229

### **Gel Lifts**

- BVDA brand – various vendors

### **Acetate Rolls**

- Grafix Plastics - 800-447-2349 x 146 [www.grafixplastics.com](http://www.grafixplastics.com)
  - Recommend 12.5 inch width. R04DW125100 Roll .004" Clear Wet Media Duralar 12.5" x 100' or R04DW165100 Roll .004" Clear Wet Media Duralar 16.5" x 100'

### **Bubber**

- Safariland Shoe Examination Kit with Reusable Polymer Molding Medium. (Bubber) - <http://www.adorama.com/SA41111.html>