

## Columns for Environmental Analysis

- EnviroSep-ABC-GPC sample cleanup column
- EnviroSep-CM-Carbamate analysis column (EPA Method 632)
- Synergi Hydro-RP-Explosives analysis (EPA Method 8330)
- EnviroSep-PP-PAH analysis column (EPA Method 610)

## EnviroSep-PP

### Sample Analysis of Priority Pollutants

- Polymeric bonded phase excellent for PAH analysis (EPA Method 610)

In addition to PAHs, EnviroSep-PP columns can also resolve phenols, triazines, phthalate esters and pesticides.

### EnviroSep-PP Applications

| Application Title                                      | App. ID |
|--|---------|
| Benzidines on EnviroSep-PP (EPA 605)*                  | 5302    |
| Phenols on EnviroSep-PP (EPA 604)*                     | 5304    |
| Phthalate Esters on EnviroSep-PP (EPA 606)*            | 5303    |
| Carbamate/Urea Pesticides on EnviroSep-PP (EPA 632)**  | 5301    |
| Herbicides**   | 13239   |
| PAH with Surrogate Standards on EnviroSep-PP (Fluor)** | 5300    |
| PAH with Surrogate Standards on EnviroSep-PP (UV)**    | 5299    |
| Phenols**  | 13243   |
| Phthalates**   | 13242   |

\* Dimensions: 125 x 3.2 mm \*\* Dimensions: 125 x 4.6 mm

### Ordering Information

#### EnviroSep-PP

| Part No.    | Size (mm)        | Price |
|-------------|------------------|-------|
| 03A-3029-R0 | 30 x 3.2 (Guard) |       |
| 03A-3029-E0 | 30 x 4.6 (Guard) |       |
| 00E-3029-B0 | 125 x 2.0        |       |
| 00E-3029-R0 | 125 x 3.2        |       |
| 00E-3029-E0 | 125 x 4.6        |       |

#### EnviroSep-CM

| Part No.    | Size (mm)        | Price |
|-------------|------------------|-------|
| 03A-3133-R0 | 30 x 3.2 (Guard) |       |
| 00V-3133-R0 | 175 x 3.2        |       |
| 00V-3133-E0 | 175 x 4.6        |       |

#### EnviroSep-ABC

| Phenomenex Part No. | ABC Lab Part No. | Description        | Size (mm)  | Price |
|---------------------|------------------|--------------------|------------|-------|
| 03R-3035-P0         | 417-250          | Preparative Guard  | 60 x 21.2  |       |
| 00W-3035-P0         | 417-150          | Preparative Column | 350 x 21.2 |       |
| 03B-3035-K0         | 417-200          | Analytical Guard   | 50 x 7.8   |       |
| 00H-3035-K0         | 417-151          | Analytical Column  | 300 x 7.8  |       |

#### EnviroSep-ABC GPC Standard Tested Columns\*

| Phenomenex Part No. | ABC Lab Part No. | Description        | Size (mm)  | Price |
|---------------------|------------------|--------------------|------------|-------|
| 00W-3035-P0-GP      | —                | Preparative Column | 350 x 21.2 |       |
| 00H-3035-K0-GP      | —                | Analytical Column  | 300 x 7.8  |       |

\*GPC tested columns use the EPA standard test mixture (see App ID 5307 above) and should be used for methods specifying minimum resolution requirements.

If the results obtained with an EnviroSep-PP or EnviroSep-CM analytical column do not meet your separation requirements or do not provide you with at least equivalent separations as compared to competing HPLC columns of comparable dimensions, return the column with comparative data within 45 days for a FULL REFUND.

## EnviroSep-CM

### Carbamate Analysis

This column shows excellent resolution and separation times of carbamate pesticides (EPA Method 632) under easy-to-use mobile phase conditions.

## EnviroSep-ABC

### Columns for GPC Cleanup

- Fast sample processing (< 30 minutes)
- Substantial reduction in solvent consumption (up to 50 %)
- Very high loading capacity, with >85 % lipid removal as per EPA method requirements

EnviroSep-ABC size exclusion columns separate environmental samples on the basis of molecular size and provide a rapid, reliable and automated mechanism for the removal of lipids, polymers, resins and other high molecular weight compounds that interfere with GC/MS analysis of organic pollutants.



For Column Heater, see p. 366



Request Technical Note, TN-2045, for GPC Cleanup using EnviroSep-ABC



**Protect your column and equipment with Phenex Syringe Filters**  
Filtering your sample helps prevent column and frit blockage, undue wear on detectors, pumps, valves, injector seals, and abnormally high operating pressures. Non-filtered samples can also lead to non-reproducible results and significant instrument downtime.

See page 12 or Visit:

[www.phenomenex.com/SFfinder](http://www.phenomenex.com/SFfinder)