

Organic Standards



Extend the shelf life of your standards with split volumes

- Each standard is measured gravimetrically and verified using GC, GC/MS, LC and/or wet chemistry where applicable
- All concentrations are corrected for purity
- Quality systems are audited and registered to ISO 9001:2015
- Ability to manufacture a wide variety of volatile, semi-volatile, pesticide, herbicide, and PCB standards
- Second source solutions available upon request for most standards
- Standards come ISO 17034 certified upon request

Many 1-mL volume standards can be supplied in two easy-to-use ampoules, each containing 0.6 mL of solution. Dividing your standard into two ampoules may extend the shelf life of your standard by allowing you to use only the amount of standard you need, when you need it.

Regardless of volume, each ampule is labeled with the description, catalog number, solvent, lot number and expiration date, and a space for you to record the date you open your ampule, as well as storage specifications. A duplicate self-adhesive label is included with each ampule, should you store any unused solution.

A Certificate of Analysis is provided with each standard and shows:

- Catalog number
- Lot number and Expiration date
- Storage requirements
- Solvent
- Compounds identified by name as well as universal CAS #
- Percent purity, lot # of individual compounds, gravimetric concentration in mg/L, and analyte concentration (gravimetric concentration corrected for purity)

We have the ability to manufacture a wide variety of volatile, semivolatile, pesticide, herbicide, and PCB standards. Please fill out the **Custom Organic Standard Quote Form** on last page (also available online) and submit the form via **fax 1-843-881-3964** or **email (sales@envexp.com)**. We will send you a quote for your custom mix within a few business days. When you place your order, your custom mix will be assigned a part number and stored in our system for future reference, making reordering fast and accurate!

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Certificate of Analysis Page 1 of 4
Rev 0

Catalog No: GCS120023-03-02
Lot No: 339222
Exp. Date: 8/19/2020
Storage: $\le -10^{\circ}\text{C}$
Solvent: P/T Methanol
Description: 8260 VOC Liquids, 54 Compounds, 2,000 mg/L, 2 X 0.6 mL

Certified Values:
The certified value is based on gravimetric and volumetric preparation of this CRM. This CRM has been confirmed by gas chromatography (GC) or gas chromatography/mass spectrometry (GC/MS) using an internally developed method against an independent source. The uncertainty value is calculated for a 95% confidence interval with a k value of 2.

| Compound | CAS No | Purity % | Individual Compound Lot No | Concentration, mg/L |
|-----------------------------|----------|----------|----------------------------|---------------------|
| benzene | 71-43-2 | 100 | 146.1.7P | 1979 +/-120 |
| bromobenzene | 108-86-1 | 99.3 | 147.1.2P | 1979 +/-120 |
| bromochloromethane | 74-97-5 | 99.7 | 148.1.3P | 1979 +/-120 |
| bromodichloromethane | 75-27-4 | 98 | 149.1.7.3P | 1979 +/-120 |
| bromotoluene | 75-25-2 | 99.4 | 150.7.1.1P | 1964 +/-120 |
| n-butylbenzene | 104-51-8 | 99.2 | 151.7.3P | 1978 +/-120 |
| sec-butylbenzene | 135-98-8 | 99.9 | 152.7.1.2P | 1978 +/-120 |
| tert-butylbenzene | 98-06-6 | 99.9 | 153.29.1P | 2000 +/-120 |
| carbon tetrachloride | 55-23-5 | 99.9 | 154.1.2P | 1988 +/-120 |
| chlorobenzene | 108-90-7 | 99.9 | 155.29.1P | 1981 +/-120 |
| chloroform | 67-66-3 | 99.9 | 156.1.5P | 1978 +/-120 |
| 2-chlorotoluene | 95-49-8 | 99.5 | 157.7.1P | 1980 +/-120 |
| 4-chlorotoluene | 105-43-4 | 99.5 | 158.1.2P | 1978 +/-120 |
| cis-1,2-dichloroethylene | 156-59-2 | 97 | 166.1.5P | 1977 +/-120 |
| dibromodichloromethane | 124-48-1 | 99.9 | 159.29.1P | 1974 +/-120 |
| 1,2-dibromo-3-chloropropane | 96-12-9 | 98 | 160.7.2P | 1977 +/-120 |
| 1,2-dibromoethane | 106-93-4 | 99.8 | 161.1.2P | 1984 +/-120 |
| | | | | 1990 +/-120 |

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Volatile Organic Standards

8260 Gases

| Compound | CAS # |
|-------------------------|---------|
| trichlorofluoromethane | 75-69-4 |
| bromomethane | 74-83-9 |
| vinyl chloride | 75-01-4 |
| chloromethane | 74-87-3 |
| chloroethane | 75-00-3 |
| dichlorodifluoromethane | 75-71-8 |

| Description | 8260 Gases | |
|----------------|--------------|--------------------|
| Catalog number | GCS120016-01 | GCS120016-03 |
| Concentration | 2000 mg/L | 2000 mg/L |
| Volume | 1-mL ampules | Two 0.6-mL ampules |
| Solvent | P&T methanol | |

8260 Internal Standard

| Compound | CAS # |
|------------------------|-----------|
| chlorobenzene-d5 | 3114-55-4 |
| 1,4-dichlorobenzene-d4 | 3855-82-1 |
| fluorobenzene | 462-06-6 |

| Description | 8260 Internal standard | | |
|----------------|------------------------|--------------|--------------|
| Catalog number | GCS120004-02 | GCS120004-01 | GCS120004-09 |
| Concentration | 2000 mg/L | 2500 mg/L | 5000 mg/L |
| Volume | 1-mL ampule | | |
| Solvent | P&T methanol | | |

8260 Custom Internal Standard Solution

| Compound | CAS # |
|------------------------|------------|
| 1,2-dichloroethane-d4 | 17060-07-0 |
| 1,4-difluorobenzene | 540-36-3 |
| chlorobenzene-d5 | 3114-55-4 |
| 1,2-dichlorobenzene-d4 | 2199-69-1 |

| Description | 8260 Custom internal standard solution |
|----------------|--|
| Catalog number | GCS120192-01-02 |
| Concentration | 2000 mg/L |
| Volume | Two 0.6-mL ampules |
| Solvent | P&T methanol |

Volatile Organic Standards (continued)

8260 Matrix Spike Solution

| Compound | CAS # |
|----------------------|----------|
| 1,1-dichloroethylene | 75-35-4 |
| benzene | 71-43-2 |
| chlorobenzene | 108-90-7 |
| toluene | 108-88-3 |
| trichloroethylene | 79-01-6 |

| Description | 8260 Matrix spike solution |
|----------------|----------------------------|
| Catalog number | GCS120011-04 |
| Concentration | 2500 mg/L |
| Volume | 1-mL ampule |
| Solvent | P&T methanol |

8260B-M Surrogate Solution

| Compound | CAS # |
|----------------------|-----------|
| dibromofluoromethane | 1868-53-7 |
| toluene-d8 | 2037-26-5 |
| 4-bromofluorobenzene | 460-00-4 |

| Description | 8260B-M Surrogate solution |
|----------------|----------------------------|
| Catalog number | GCS120005-05-02 |
| Concentration | 2500 mg/L |
| Volume | Two 0.6-mL ampules |
| Solvent | P&T methanol |

8260 Additional Compounds Solution

| Compound | CAS # |
|-----------------------------|-----------|
| acetone | 67-64-1 |
| 2-butanone (MEK) | 79-93-3 |
| 4-methyl-2-pentanone (MIBK) | 108-10-1 |
| 2-hexanone | 591-78-6 |
| carbon disulfide | 75-15-0 |
| vinyl acetate | 108-05-4 |
| 2-chloroethyl vinyl ether | 110-75-8 |
| methyl t-butyl ether | 1634-04-4 |

| Description | 8260 Additional compounds |
|----------------|---------------------------|
| Catalog number | GCS120267-02-02 |
| Concentration | 5000 mg/L |
| Volume | Two 0.6-mL ampules |
| Solvent | P&T methanol |

8260B Acetate Solution

| Compound | CAS # |
|-------------------|----------|
| vinyl acetate | 108-05-4 |
| ethyl acetate | 141-78-6 |
| isopropyl acetate | 108-21-4 |
| propyl acetate | 109-60-4 |
| butyl acetate | 123-86-4 |

| Description | 8260B Acetate solution |
|----------------|------------------------|
| Catalog number | GCS122361-02 |
| Concentration | 2000 mg/L |
| Volume | 1-mL ampule |
| Solvent | P&T methanol |

VOC Solution, 60 Compounds

| Compound | CAS # | Compound | CAS # |
|------------------------|----------|-----------------------------|------------|
| benzene | 71-43-2 | bromoform | 75-25-2 |
| ethylbenzene | 100-41-4 | chloroform | 67-66-3 |
| m-xylene | 108-38-3 | dibromochloromethane | 124-48-1 |
| toluene | 108-88-3 | cis-1,2-dichloroethylene | 156-59-2 |
| isopropylbenzene | 98-82-8 | trans-1,2-dichloroethylene | 156-60-5 |
| n-propylbenzene | 103-65-1 | 1,1-dichloroethylene | 75-35-4 |
| o-xylene | 95-47-6 | 1,1-dichloroethane | 75-34-3 |
| p-xylene | 106-42-3 | 1,1,1-trichloroethane | 71-55-6 |
| sec-butylbenzene | 135-98-8 | 2,2-dichloropropane | 594-20-7 |
| tert-butylbenzene | 98-06-6 | tetrachloroethylene | 127-18-4 |
| 1,2,4-trimethylbenzene | 95-63-6 | 1,1,1,2-tetrachloroethane | 630-20-6 |
| 1,3,5-trimethylbenzene | 108-67-8 | 1,1,2,2-tetrachloroethane | 79-34-5 |
| n-butylbenzene | 104-51-8 | 1,1,2-trichloroethane | 79-00-5 |
| naphthalene | 91-20-3 | 1,2-dichloroethane | 107-06-2 |
| 4-isopropyltoluene | 99-87-6 | trichloroethylene | 79-01-6 |
| styrene | 100-42-5 | 1,2-dibromo-3-chloropropane | 96-12-8 |
| 1,2-dichlorobenzene | 95-50-1 | 1,2-dibromoethane | 106-93-4 |
| 1,3-dichlorobenzene | 541-73-1 | hexachlorobutadiene | 87-68-3 |
| 1,4-dichlorobenzene | 106-46-7 | 1,1-dichloropropylene | 563-58-6 |
| 2-chlorotoluene | 95-49-8 | 1,2,3-trichloropropane | 96-18-4 |
| 4-chlorotoluene | 106-43-4 | 1,2-dichloropropane | 78-87-5 |
| chlorobenzene | 108-90-7 | trans-1,3-dichloropropylene | 10061-02-6 |
| 1,2,3-trichlorobenzene | 87-61-6 | cis-1,3-dichloropropylene | 10061-01-5 |
| 1,2,4-trichlorobenzene | 120-82-1 | 1,3-dichloropropane | 142-28-9 |
| bromobenzene | 108-86-1 | trichlorofluoromethane | 75-69-4 |
| bromochloromethane | 74-97-5 | bromomethane | 74-83-9 |
| carbon tetrachloride | 56-23-5 | chloromethane | 74-87-3 |
| dibromomethane | 74-95-3 | chloroethane | 75-00-3 |
| methylene chloride | 75-09-2 | dichlorodifluoromethane | 75-71-8 |
| bromodichloromethane | 75-27-4 | vinyl chloride | 75-01-4 |

| Description | VOC solution, 60 compounds | |
|----------------|----------------------------|--------------------|
| Catalog number | GCS120022-C-5PAK | GCS120022-01-02 |
| Concentration | 200 mg/L | 2000 mg/L |
| Volume | Five 1-mL ampules | Two 0.6-mL ampules |
| Solvent | P&T methanol | |

CLP VOC Surrogate Solution

| Compound | CAS # |
|-----------------------|------------|
| 4-bromofluorobenzene | 460-00-4 |
| 1,2-dichloroethane-d4 | 17060-07-0 |
| toluene-d8 | 2037-26-5 |

| Description | CLP VOC surrogate solution |
|----------------|----------------------------|
| Catalog number | GCS120040-01 |
| Concentration | 2500 mg/L |
| Volume | 1-mL ampule |
| Solvent | P&T methanol |

Ketones Solution

| Compound | CAS # |
|-----------------------------|----------|
| acetone | 67-64-1 |
| 2-butanone (MEK) | 78-93-3 |
| 4-methyl-2-pentanone (MIBK) | 108-10-1 |
| 2-hexanone | 591-78-6 |

| Description | Ketones solution |
|----------------|-------------------------------------|
| Catalog number | GCS121020-04 |
| Concentration | 5000 mg/L |
| Volume | 1-mL ampule |
| Solvent | P&T methanol: H ₂ O, 9:1 |

BTEX Solution

| Compound | CAS # |
|--------------|----------|
| benzene | 71-43-2 |
| toluene | 108-88-3 |
| ethylbenzene | 100-41-4 |
| o-xylene | 95-47-6 |
| m-xylene | 108-38-3 |
| p-xylene | 106-42-3 |

| Description | BTEX solution |
|----------------|--------------------|
| Catalog number | GCS120020-03-02 |
| Concentration | 200 mg/L |
| Volume | Two 0.6-mL ampules |
| Solvent | P&T methanol |

Volatile Organic Standards (continued)

8260 VOC Liquids, 54 Compounds Method 624 Purgeable Solution

| Compound | CAS # |
|-----------------------------|------------|
| benzene | 71-43-2 |
| ethylbenzene | 100-41-4 |
| m-xylene | 108-38-3 |
| toluene | 108-88-3 |
| isopropylbenzene | 98-82-8 |
| n-propylbenzene | 103-65-1 |
| o-xylene | 95-47-6 |
| p-xylene | 106-42-3 |
| sec-butylbenzene | 135-98-8 |
| tert-butylbenzene | 98-06-6 |
| 1,2,4-trimethylbenzene | 95-63-6 |
| 1,3,5-trimethylbenzene | 108-67-8 |
| n-butylbenzene | 104-51-8 |
| naphthalene | 91-20-3 |
| 4-isopropyltoluene | 99-87-6 |
| styrene | 100-42-5 |
| 1,2-dichlorobenzene | 95-50-1 |
| 1,3-dichlorobenzene | 541-73-1 |
| 1,4-dichlorobenzene | 106-46-7 |
| 2-chlorotoluene | 95-49-8 |
| 4-chlorotoluene | 106-43-4 |
| chlorobenzene | 108-90-7 |
| 1,2,3-trichlorobenzene | 87-61-6 |
| 1,2,4-trichlorobenzene | 120-82-1 |
| bromobenzene | 108-86-1 |
| bromochloromethane | 74-97-5 |
| carbon tetrachloride | 56-23-5 |
| dibromomethane | 74-95-3 |
| methylene chloride | 75-09-2 |
| bromodichloromethane | 75-27-4 |
| bromoform | 75-25-2 |
| chloroform | 67-66-3 |
| dibromochloromethane | 124-48-1 |
| cis-1,2-dichloroethylene | 156-59-2 |
| trans-1,2-dichloroethylene | 156-60-5 |
| 1,1-dichloroethylene | 75-35-4 |
| 1,1-dichloroethane | 75-34-3 |
| 1,1,1-trichloroethane | 71-55-6 |
| 2,2-dichloropropane | 594-20-7 |
| tetrachloroethylene | 127-18-4 |
| 1,1,1,2-tetrachloroethane | 630-20-6 |
| 1,1,2,2-tetrachloroethane | 79-34-5 |
| 1,1,2-trichloroethane | 79-00-5 |
| 1,2-dichloroethane | 107-06-2 |
| trichloroethylene | 79-01-6 |
| 1,2-dibromo-3-chloropropane | 96-12-8 |
| 1,2-dibromoethane | 106-93-4 |
| hexachlorobutadiene | 87-68-3 |
| 1,1-dichloropropylene | 563-58-6 |
| 1,2,3-trichloropropane | 96-18-4 |
| 1,2-dichloropropane | 78-87-5 |
| trans-1,3-dichloropropylene | 10061-02-6 |
| cis-1,3-dichloropropylene | 10061-01-5 |
| 1,3-dichloropropane | 142-28-9 |

| Description | 8260 VOC liquids, 54 compounds |
|----------------|--------------------------------|
| Catalog number | GCS120023-03-02 |
| Concentration | 2000 mg/L |
| Volume | Two 0.6-mL ampules |
| Solvent | P&T methanol |

| Compound | CAS # |
|-----------------------------|------------|
| toluene | 108-88-3 |
| chlorobenzene | 108-90-7 |
| 1,2-dichloropropane | 78-87-5 |
| trans-1,2-dichloroethylene | 156-60-5 |
| cis-1,3-dichloropropylene | 10061-01-5 |
| trans-1,3-dichloropropylene | 10061-02-6 |
| 1,1-dichloroethylene | 75-35-4 |
| 1,2-dichlorobenzene | 95-50-1 |
| 1,3-dichlorobenzene | 541-73-1 |
| 1,4-dichlorobenzene | 106-46-7 |
| trichlorofluoromethane | 75-69-4 |
| bromomethane | 74-83-9 |
| vinyl chloride | 75-01-4 |
| chloromethane | 74-87-3 |
| chloroethane | 75-00-3 |
| benzene | 71-43-2 |
| ethylbenzene | 100-41-4 |
| bromodichloromethane | 75-27-4 |
| bromoform | 75-25-2 |
| chloroform | 67-66-3 |
| dibromochloromethane | 124-48-1 |
| carbon tetrachloride | 56-23-5 |
| methylene chloride | 75-09-2 |
| 1,1-dichloroethane | 75-34-3 |
| 1,2-dichloroethane | 107-06-2 |
| 1,1,1-trichloroethane | 71-55-6 |
| 1,1,2-trichloroethane | 79-00-5 |
| trichloroethylene | 79-01-6 |
| 1,1,2,2-tetrachloroethane | 79-34-5 |
| tetrachloroethylene | 127-18-4 |
| vinyl acetate | 108-05-4 |
| ethyl acetate | 141-78-6 |
| isopropyl acetate | 108-21-4 |
| propyl acetate | 109-60-4 |
| butyl acetate | 123-86-4 |

| Description | Method 624 purgeable solution |
|----------------|-------------------------------|
| Catalog number | GCS122540-01-02 |
| Concentration | 100 mg/L |
| Volume | Two 0.6-mL ampules |
| Solvent | P&T methanol |

Oxygenate Solution

| Compound | CAS # |
|------------------------|-----------|
| tert-butyl ethyl ether | 637-92-3 |
| tert-amyl methyl ether | 994-05-8 |
| isopropyl ether | 108-20-3 |
| t-amyl ethyl ether | 919-94-8 |
| tert-butyl alcohol | 75-65-0 |
| methyl t-butyl ether | 1634-04-4 |

| Description | Oxygenate solution |
|----------------|---|
| Catalog number | GCS120501-10 |
| Concentration | 10000 mg/L for tert-butyl alcohol, 2000 mg/L all other compounds |
| Volume | 1-mL ampule |
| Solvent | P&T methanol |

Trihalomethane Solution

| Compound | CAS # |
|----------------------|----------|
| bromodichloromethane | 75-27-4 |
| bromoform | 75-25-2 |
| chloroform | 67-66-3 |
| dibromochloromethane | 124-48-1 |

| Description | Trihalomethane solution | |
|---------------|---------------------------|--------------------|
| Cat. no. | GCS120134-16 [†] | GCS120134-12-02 |
| Concentration | 100 mg/L | 5000 mg/L |
| Volume | 1-mL ampule | Two 0.6-mL ampules |
| Solvent | P&T methanol | |

[†]Comes with an empty 2-mL vial.

Volatiles System Performance Check

| Compound | CAS # |
|---------------------------|----------|
| bromoform | 75-25-2 |
| chlorobenzene | 108-90-7 |
| chloromethane | 74-87-3 |
| 1,1-dichloroethane | 75-34-3 |
| 1,1,2,2-tetrachloroethane | 79-34-5 |

| Description | Volatiles system performance check |
|----------------|------------------------------------|
| Catalog number | GCS122220-01 |
| Concentration | 2000 mg/L |
| Volume | 1-mL ampule |
| Solvent | P&T methanol |

Volatile Organic Standards (continued)

8260B Calibration Super Mix, 76-2, and Chloroethyl Vinyl Ether Solution (both required for method)

| Compound | CAS # |
|---|-----------|
| tetrahydrofuran | 109-99-9 |
| iodomethane | 74-88-4 |
| carbon disulfide | 75-15-0 |
| allyl chloride | 107-05-1 |
| cis-1,4-dichloro-2-butene | 1476-11-5 |
| 1,1,2-trichloro-1,2,2-trifluoroethane (Freon 113) | 76-13-1 |
| 2-chloroethanol | 107-07-3 |
| trans-1,4-dichloro-2-butene | 110-57-6 |
| benzene | 71-43-2 |
| ethylbenzene | 100-41-4 |
| m-xylene | 108-38-3 |
| toluene | 108-88-3 |
| isopropylbenzene | 98-82-8 |
| n-propylbenzene | 103-65-1 |
| o-xylene | 95-47-6 |
| p-xylene | 106-42-3 |
| sec-butylbenzene | 135-98-8 |
| tert-butylbenzene | 98-06-6 |
| 1,2,4-trimethylbenzene | 95-63-6 |
| 1,3,5-trimethylbenzene | 108-67-8 |
| n-butylbenzene | 104-51-8 |
| naphthalene | 91-20-3 |
| 4-isopropyltoluene | 99-87-6 |
| styrene | 100-42-5 |
| 1,2-dichlorobenzene | 95-50-1 |
| 1,3-dichlorobenzene | 541-73-1 |
| 1,4-dichlorobenzene | 106-46-7 |
| 2-chlorotoluene | 95-49-8 |
| 4-chlorotoluene | 106-43-4 |
| chlorobenzene | 108-90-7 |
| 1,2,3-trichlorobenzene | 87-61-6 |
| 1,2,4-trichlorobenzene | 120-82-1 |
| bromobenzene | 108-86-1 |
| bromochloromethane | 74-97-5 |
| carbon tetrachloride | 56-23-5 |
| dibromomethane | 74-95-3 |
| methylene chloride | 75-09-2 |
| bromodichloromethane | 75-27-4 |
| bromoform | 75-25-2 |
| chloroform | 67-66-3 |
| dibromochloromethane | 124-48-1 |
| cis-1,2-dichloroethylene | 156-59-2 |
| trans-1,2-dichloroethylene | 156-60-5 |
| 1,1-dichloroethylene | 75-35-4 |
| 1,1-dichloroethane | 75-34-3 |
| 1,1,1-trichloroethane | 71-55-6 |
| 2,2-dichloropropane | 594-20-7 |
| tetrachloroethylene | 127-18-4 |
| 1,1,1,2-tetrachloroethane | 630-20-6 |
| 1,1,2,2-tetrachloroethane | 79-34-5 |
| 1,1,2-trichloroethane | 79-00-5 |
| 1,2-dichloroethane | 107-06-2 |
| trichloroethylene | 79-01-6 |
| 1,2-dibromo-3-chloropropane | 96-12-8 |
| 1,2-dibromoethane | 106-93-4 |
| hexachlorobutadiene | 87-68-3 |
| 1,1-dichloropropylene | 563-58-6 |

| Compound | CAS # |
|-----------------------------|------------|
| 1,2,3-trichloropropane | 96-18-4 |
| 1,2-dichloropropane | 78-87-5 |
| trans-1,3-dichloropropylene | 10061-02-6 |
| cis-1,3-dichloropropylene | 10061-01-5 |
| 1,3-dichloropropane | 142-28-9 |
| acrylonitrile | 107-13-1 |
| ethyl methacrylate | 97-63-2 |
| methyl acrylate | 96-33-3 |
| methyl methacrylate | 80-62-6 |
| methacrylonitrile | 126-98-7 |
| acetonitrile | 75-05-8 |
| propionitrile | 107-12-0 |
| nitrobenzene | 98-95-3 |
| 2-nitropropane | 79-46-9 |
| chloroprene | 126-99-8 |
| ethyl ether | 60-29-7 |
| 1,4-dioxane | 123-91-1 |
| isobutyl alcohol | 78-83-1 |
| pentachloroethane | 76-01-7 |

| Description | 8260B Calibration super mix, 76-2 |
|----------------|-----------------------------------|
| Catalog number | GCS122182-01 |
| Concentration | 2000 mg/L |
| Volume | 1-mL ampule |
| Solvent | P&T methanol |

Second Ampule Required:

| Compound | CAS # |
|---------------------------|----------|
| 2-chloroethyl vinyl ether | 110-75-8 |

| Description | Chloroethyl vinyl ether solution |
|----------------|----------------------------------|
| Catalog number | GCS020145-05 |
| Concentration | 2000 mg/L |
| Volume | 1-mL ampule |
| Solvent | P&T methanol |

4-bromofluorobenzene (BFB) Solution

| Compound | CAS # |
|----------------------|----------|
| 4-bromofluorobenzene | 460-00-4 |

| Description | 4-bromofluorobenzene (BFB) solution |
|---------------|-------------------------------------|
| Cat. no. | GCS020135-03 |
| Concentration | 2500 mg/L |
| Volume | 1-mL ampule |
| Solvent | P&T methanol |

Acrolein Solution

| Compound | CAS # |
|----------|----------|
| acrolein | 107-02-8 |

| Description | Acrolein solution | |
|---------------|-------------------|--------------|
| Cat. no. | GCS020229-21 | GCS020229-10 |
| Concentration | 5000 mg/L | 10,000 mg/L |
| Volume | 1-mL ampule | |
| Solvent | HPLC-grade water | P&T methanol |

Acrolein/Acrylonitrile Solution

| Compound | CAS # |
|---------------|----------|
| acrolein | 107-02-8 |
| acrylonitrile | 107-13-1 |

| Description | Acrolein/acrylonitrile solution | |
|---------------|---------------------------------|------------------|
| Cat. no. | GCS120014-04-02 | GCS120014-01-02 |
| Concentration | 2000 mg/L | 10,000 mg/L |
| Volume | Two 0.6-mL ampules | |
| Solvent | P&T methanol | HPLC-grade water |

t-Butyl Formate Solution

| Compound | CAS # |
|-----------------|----------|
| t-butyl formate | 762-75-4 |

| Description | t-Butyl formate solution | |
|----------------|--------------------------|--|
| Catalog number | GCS020857-02 | |
| Concentration | 2000 mg/L | |
| Volume | 1-mL ampule | |
| Solvent | P&T methanol | |

Epichlorohydrin Solution

| Compound | CAS # |
|-----------------|----------|
| epichlorohydrin | 106-89-8 |

| Description | Epichlorohydrin solution | |
|---------------|--------------------------|--|
| Cat. no. | GCS021069-01 | |
| Concentration | 20,000 mg/L | |
| Volume | 1-mL ampule | |
| Solvent | P&T methanol | |

Methyl tert-Butyl Ether Solution

| Compound | CAS # |
|----------------------|-----------|
| methyl t-butyl ether | 1634-04-4 |

| Description | Methyl tert-butyl ether solution | |
|----------------|----------------------------------|--|
| Catalog number | GCS020208-C | |
| Concentration | 2000 mg/L | |
| Volume | 1-mL ampule | |
| Solvent | P&T methanol | |

Tetrahydrothiophene Solution

| Compound | CAS # |
|---------------------|----------|
| tetrahydrothiophene | 110-01-0 |

| Description | Tetrahydrothiophene solution | |
|----------------|------------------------------|--|
| Catalog number | GCS021071-02 | |
| Concentration | 2000 mg/L | |
| Volume | 1-mL ampule | |
| Solvent | P&T methanol | |

Semi-Volatile Organic Standards

8270 Internal Standard Solution

| Compound | CAS # |
|------------------------|------------|
| acenaphthene-d10 | 15067-26-2 |
| chrysene-d12 | 1719-03-5 |
| 1,4-dichlorobenzene-d4 | 3855-82-1 |
| naphthalene-d8 | 1146-65-2 |
| perylene-d12 | 1520-96-3 |
| phenanthrene-d10 | 1517-22-2 |

| Description | 8270 Internal standard solution |
|-----------------------|---------------------------------|
| Catalog number | GCS110001-02 |
| Concentration | 2000 mg/L |
| Volume | 1-mL ampule |
| Solvent | Methylene chloride |

| Description | 8270 Internal standard solution |
|-----------------------|---------------------------------|
| Catalog number | GCS110001-01 |
| Concentration | 4000 mg/L |
| Volume | 1-mL ampule |
| Solvent | Methylene chloride |

8270 Benzidine Mix

| Compound | CAS # |
|------------------------|----------|
| benzidine | 92-87-5 |
| 3,3'-dimethylbenzidine | 91-94-1 |
| 3,3'-dimethylbenzidine | 119-93-7 |

| Description | 8270 Benzidine mix, 3-1 |
|-----------------------|-------------------------|
| Catalog number | GCS116125-02 |
| Concentration | 2000 mg/L |
| Volume | 1-mL ampule |
| Solvent | Methanol |

| Description | 8270 Benzidine mix, 3-2 |
|-----------------------|-------------------------|
| Catalog number | GCS116125-03 |
| Concentration | 2000 mg/L |
| Volume | 1-mL ampule |
| Solvent | Methylene chloride |

GC/MS Tuning Solution

| Compound | CAS # |
|------------------------------|-----------|
| decafluorotriphenylphosphine | 5074-71-5 |
| benzidine | 92-87-5 |
| pentachlorophenol | 87-86-5 |
| p, p'-DDT | 50-29-3 |

| Description | GC/MS tuning solution |
|-----------------------|-----------------------|
| Catalog number | GCS113000-02 |
| Concentration | 1000 mg/L |
| Volume | 1-mL ampule |
| Solvent | Methylene chloride |

8270 BNA Mix

| Compound | CAS # |
|--------------------------------|-----------|
| 4-chloroaniline | 106-47-8 |
| 2-nitroaniline | 88-74-4 |
| 3-nitroaniline | 99-09-2 |
| 4-nitroaniline | 100-01-6 |
| pyridine | 110-86-1 |
| 2,4-dinitrotoluene | 121-14-2 |
| 2,6-dinitrotoluene | 606-20-2 |
| isophorone | 78-59-1 |
| nitrobenzene | 98-95-3 |
| 1-methylnaphthalene | 90-12-0 |
| azobenzene | 103-33-3 |
| N-nitrosodimethylamine | 62-75-9 |
| n-nitrosodiphenylamine | 86-30-6 |
| N-nitrosodi-n-propylamine | 621-64-7 |
| benzyl alcohol | 100-51-6 |
| dibenzofuran | 132-64-9 |
| acetophenone | 98-86-2 |
| 1,2,4-trichlorobenzene | 120-82-1 |
| benzenethiol | 108-98-5 |
| indene | 95-13-6 |
| quinoline | 91-22-5 |
| biphenyl | 92-52-4 |
| 3,3'-dichlorobenzidine | 91-94-1 |
| benzidine | 92-87-5 |
| dibenz(a,j)acridine | 224-42-0 |
| caprolactam | 105-60-2 |
| atrazine | 1912-24-9 |
| benzaldehyde | 100-52-7 |
| benzoic acid | 65-85-0 |
| dibenz(a,h)acridine | 226-36-8 |
| 6-methylchrysene | 1705-85-7 |
| 7,12-dimethylbenz[a]anthracene | 57-97-6 |

| Description | 8270 BNA mix |
|-----------------------|---------------------|
| Catalog number | GCS110929-01 |
| Concentration | 2000 mg/L |
| Volume | 1-mL ampule |
| Solvent | Methylene chloride |

8270 Appendix IX Mix

| Compound | CAS # |
|--------------------------------|------------|
| hexachloropropene | 1888-71-7 |
| caprolactam | 105-60-2 |
| 1,2,4,5-tetrachlorobenzene | 95-94-3 |
| safrole | 94-59-7 |
| biphenyl | 92-52-4 |
| 1-chloronaphthalene | 90-13-1 |
| diphenyl ether | 101-84-8 |
| 1,4-naphthoquinone | 130-15-4 |
| pentachlorobenzene | 608-93-5 |
| propylamide (pronamide) | 23950-58-5 |
| 4-nitroquinoline-1-oxide | 56-57-5 |
| isosafole | 120-58-1 |
| dibenz(a,j)acridine | 224-42-0 |
| aramite | 140-57-8 |
| 1,3,5-trinitrobenzene | 99-35-4 |
| 1,4-dioxane | 123-91-1 |
| methyl methanesulfonate | 66-27-3 |
| ethyl methanesulfonate | 62-50-0 |
| pentachloroethane | 76-01-7 |
| acetophenone | 98-86-2 |
| 2,6-dichlorophenol | 87-65-0 |
| benzaldehyde | 100-52-7 |
| ethyl methacrylate | 97-63-2 |
| kepone | 143-50-0 |
| di-allate (mixture of isomers) | 2303-16-4 |
| phenacetin | 62-44-2 |
| pentachloronitrobenzene | 82-68-8 |
| isodrin | 465-73-6 |
| chlorobenzilate | 510-15-6 |
| 7,12-dimethylbenz[a]anthracene | 57-97-6 |
| 3-methylcholanthrene | 56-49-5 |

| Description | 8270 Appendix IX mix |
|-----------------------|----------------------|
| Catalog number | GCS113341-01 |
| Concentration | 1000 mg/L |
| Volume | 1-mL ampule |
| Solvent | Methylene chloride |

Semi-Volatile Organic Standards (continued)

8270 Calibration Solution, 76-1

| Compound | CAS # |
|-----------------------------------|-----------|
| 2-chlorophenol | 95-57-8 |
| 2,4-dimethylphenol | 105-67-9 |
| pentachlorophenol | 87-86-5 |
| 4-nitrophenol | 100-02-7 |
| 2,4-dichlorophenol | 120-83-2 |
| 4-chloro-3-methylphenol | 59-50-7 |
| 2-methyl-4,6-dinitrophenol | 534-52-1 |
| 2-nitrophenol | 88-75-5 |
| 2,4-dinitrophenol | 51-28-5 |
| 2,4,6-trichlorophenol | 88-06-2 |
| phenol | 108-95-2 |
| 2-methylphenol | 95-48-7 |
| **3-methylphenol | 108-39-4 |
| **4-methylphenol | 106-44-5 |
| 2,4,5-trichlorophenol | 95-95-4 |
| diphenylamine | 122-39-4 |
| N-nitrosodi-n-propylamine | 621-64-7 |
| N-nitrosodimethylamine | 62-75-9 |
| 2,4-dinitrotoluene | 121-14-2 |
| 2,6-dinitrotoluene | 606-20-2 |
| isophorone | 78-59-1 |
| nitrobenzene | 98-95-3 |
| aniline | 62-53-3 |
| 4-chloroaniline | 106-47-8 |
| 2-nitroaniline | 88-74-4 |
| 3-nitroaniline | 99-09-2 |
| 4-nitroaniline | 100-01-6 |
| pyridine | 110-86-1 |
| carbazole | 86-74-8 |
| bis(2-chloroethoxy)methane | 111-91-1 |
| bis(2-chloroethyl)ether | 111-44-4 |
| bis(2-chloro-1-methylethyl) ether | 108-60-1 |
| 4-bromophenylphenyl ether | 101-55-3 |
| 4-chlorodiphenyl ether | 7005-72-3 |
| dioctyl phthalate | 117-81-3 |
| butyl benzyl phthalate | 85-68-7 |
| diethyl phthalate | 84-66-2 |
| dimethyl phthalate | 131-11-3 |
| di-n-butyl phthalate | 84-74-2 |
| di-n-octyl phthalate | 117-84-0 |
| 2-chloronaphthalene | 91-58-7 |
| 1,2-dichlorobenzene | 95-50-1 |
| 1,3-dichlorobenzene | 541-73-1 |
| 1,4-dichlorobenzene | 106-46-7 |
| hexachlorobenzene | 118-74-1 |
| hexachlorobutadiene | 87-68-3 |
| hexachlorocyclopentadiene | 77-47-4 |
| hexachloroethane | 67-72-1 |
| 1,2,4-trichlorobenzene | 120-82-1 |
| benzo[k]fluoranthene | 207-08-9 |
| 1-methylnaphthalene | 90-12-0 |
| 2-methylnaphthalene | 91-57-6 |
| acenaphthene | 83-32-9 |
| acenaphthylene | 208-96-8 |
| anthracene | 120-12-7 |
| fluorene | 86-73-7 |
| naphthalene | 91-20-3 |
| phenanthrene | 85-01-8 |
| benzo[a]anthracene | 56-55-3 |
| benzo[a]pyrene | 50-32-8 |
| chrysene | 218-01-9 |

| Compound | CAS # |
|---------------------------|----------|
| fluoranthene | 206-44-0 |
| indeno[1,2,3-cd]pyrene | 193-39-5 |
| pyrene | 129-00-0 |
| benzo[b]fluoranthene | 205-99-2 |
| benzo[ghi]perylene | 191-24-2 |
| dibenz[a,h]anthracene | 53-70-3 |
| benzyl alcohol | 100-51-6 |
| bis(2-ethylhexyl) adipate | 103-23-1 |
| dibenzofuran | 132-64-9 |
| 1,2-dinitrobenzene | 528-29-0 |
| 1,3-dinitrobenzene | 99-65-0 |
| 1,4-dinitrobenzene | 100-25-4 |
| azobenzene | 103-33-3 |
| 2,3,4,6-tetrachlorophenol | 58-90-2 |
| 2,3,5,6-tetrachlorophenol | 935-95-5 |

| Description | 8270 Calibration solution, 76-1 |
|----------------|---|
| Catalog number | GCS110381-01 |
| Concentration | 500 and 1000 mg/L (** designates 500 mg/L) |
| Volume | 1-mL ampule |
| Solvent | Methylene chloride |

| Description | 8270 Calibration solution, 76-1 |
|----------------|--|
| Catalog number | GCS110381-02 |
| Concentration | 100 and 200 mg/L (** designates 100 mg/L) |
| Volume | 5-mL ampule |
| Solvent | Methylene chloride and methanol 20:80 |

TCL Hazardous Substances Solution #1

| Compound | CAS # |
|-----------------------|----------|
| benzoic acid | 65-85-0 |
| 4-methylphenol | 106-44-5 |
| 2-methylphenol | 95-48-7 |
| 2,4,5-trichlorophenol | 95-95-4 |

| Description | TCL hazardous substances solution #1 |
|---------------|--------------------------------------|
| Cat. no. | GCS116420-01 |
| Concentration | 2000 mg/L |
| Volume | 1-mL ampule |
| Solvent | Methylene chloride |

TCL Hazardous Substances Solution #2

| Compound | CAS # |
|---------------------|----------|
| 4-nitroaniline | 100-01-6 |
| aniline | 62-53-3 |
| 4-chloroaniline | 106-47-8 |
| 2-nitroaniline | 88-74-4 |
| 3-nitroaniline | 99-09-2 |
| benzyl alcohol | 100-51-6 |
| dibenzofuran | 132-64-9 |
| 2-methylnaphthalene | 91-57-6 |

| Description | TCL hazardous substances solution #2 |
|---------------|--------------------------------------|
| Cat. no. | GCS110394-01 |
| Concentration | 2000 mg/L |
| Volume | 1-mL ampule |
| Solvent | Methylene chloride |

PAH Solution

| Compound | CAS # |
|------------------------|----------|
| 1-methylnaphthalene | 90-12-0 |
| 2-methylnaphthalene | 91-57-6 |
| acenaphthene | 83-32-9 |
| acenaphthylene | 208-96-8 |
| anthracene | 120-12-7 |
| fluorene | 86-73-7 |
| naphthalene | 91-20-3 |
| phenanthrene | 85-01-8 |
| benzo[a]anthracene | 56-55-3 |
| benzo[a]pyrene | 50-32-8 |
| chrysene | 218-01-9 |
| fluoranthene | 206-44-0 |
| indeno[1,2,3-cd]pyrene | 193-39-5 |
| pyrene | 129-00-0 |
| benzo[b]fluoranthene | 205-99-2 |
| benzo[ghi]perylene | 191-24-2 |
| dibenz[a,h]anthracene | 53-70-3 |
| benzo[k]fluoranthene | 207-08-9 |

| Description | PAH solution |
|----------------|----------------------------------|
| Catalog number | GCS110092-08 |
| Concentration | 2000 mg/L |
| Volume | 1-mL ampule |
| Solvent | Methylene chloride : benzene 1:1 |

604 Phenois Solution

| Compound | CAS # |
|----------------------------|----------|
| 2-chlorophenol | 95-57-8 |
| 2,4-dimethylphenol | 105-67-9 |
| pentachlorophenol | 87-86-45 |
| 4-nitrophenol | 100-02-7 |
| 2, 4-dichlorophenol | 120-83-2 |
| 4-chloro-3-methylphenol | 59-50-7 |
| 2-methyl-4,6-dinitrophenol | 534-52-1 |
| 2-nitrophenol | 88-75-5 |
| 2,4-dinitrophenol | 51-28-5 |
| 2,4,6-trichlorophenol | 88-06-2 |
| phenol | 108-95-2 |

| Description | Phthalates solution |
|----------------|---------------------|
| Catalog number | GCS111945-01 |
| Concentration | 1000 mg/L |
| Volume | 5-mL ampule |
| Solvent | Methylene chloride |

Phthalates Solution

| Compound | CAS # |
|-----------------------------|----------|
| bis(2-ethylhexyl) phthalate | 117-81-7 |
| butyl benzyl phthalate | 85-68-7 |
| di-n-butyl phthalate | 84-74-2 |
| diethyl phthalate | 84-66-2 |
| diisobutyl phthalate | 84-69-5 |
| dimethyl phthalate | 131-11-3 |
| di-n-hexyl phthalate | 84-75-3 |
| di-n-octyl phthalate | 117-84-0 |

| Description | Phthalates solution |
|----------------|---------------------|
| Catalog number | GCS111945-01 |
| Concentration | 1000 mg/L |
| Volume | 5-mL ampule |
| Solvent | Methylene chloride |

Semi-Volatile Organic Standards (continued)

8270 BNA Solution

| Compound | CAS # | Compound | CAS # | Compound | CAS # |
|-----------------------------------|-----------|----------------------------|----------|----------------------------|------------|
| acenaphthene | 83-32-9 | 1,3-dichlorobenzene | 541-73-1 | 4-nitroaniline | 100-01-6 |
| acenaphthylene | 208-96-8 | 1,4-dichlorobenzene | 106-46-7 | nitrobenzene | 98-95-3 |
| acetophenone | 98-86-2 | 3,3'-dichlorobenzidine | 91-94-1 | nitrobenzene-d5 | 4165-60-0 |
| aniline | 62-53-3 | 2,3-dichlorophenol | 576-24-9 | 2-nitrophenol | 88-75-5 |
| anthracene | 120-12-7 | 2,4-dichlorophenol | 120-83-2 | 4-nitrophenol | 100-02-7 |
| azobenzene | 103-33-3 | 2,5-dichlorophenol | 583-78-8 | n-nitrosodiethylamine | 55-18-5 |
| benzidine | 92-87-5 | 2,6-dichlorophenol | 87-65-0 | N-nitrosodimethylamine | 62-75-9 |
| benzo[a]anthracene | 56-55-3 | 3,4-dichlorophenol | 95-77-2 | n-nitrosodi-n-butylamine | 924-16-3 |
| benzo[b]fluoranthene | 205-99-2 | diethyl phthalate | 84-66-2 | N-nitrosodi-n-propylamine | 621-64-7 |
| benzo[k]fluoranthene | 207-08-9 | 3,3'-dimethylbenzidine | 119-93-7 | n-nitrosodiphenylamine | 86-30-6 |
| benzoic acid | 65-85-0 | 2,4-dimethylphenol | 105-67-9 | n-octadecane (C18) | 593-45-3 |
| benzo[ghi]perylene | 191-24-2 | dimethyl phthalate | 131-11-3 | pentachlorobenzene | 608-93-5 |
| benzo[a]pyrene | 50-32-8 | 2,4-dinitrophenol | 51-28-5 | pentachloronitrobenzene | 82-68-8 |
| benzyl alcohol | 100-51-6 | 2,4-dinitrotoluene | 121-14-2 | pentachlorophenol | 87-86-5 |
| biphenyl | 92-52-4 | 2,6-dinitrotoluene | 606-20-2 | phenacetin | 62-44-2 |
| bis(2-chloroethoxy)methane | 111-91-1 | di-n-octyl phthalate | 117-84-0 | phenanthrene | 85-01-8 |
| bis(2-chloroethyl)ether | 111-44-4 | ethyl methanesulfonate | 62-50-0 | phenol | 108-95-2 |
| bis(2-chloro-1-methylethyl) ether | 108-60-1 | fluoranthene | 206-44-0 | phenol-d6 | 13127-88-3 |
| bis(2-ethylhexyl)phthalate | 117-81-7 | fluorene | 86-73-7 | pyrene | 129-00-0 |
| 4-bromophenyl phenyl ether | 101-55-3 | 2-fluorobiphenyl | 321-60-8 | pyridine | 110-86-1 |
| butyl benzyl phthalate | 85-68-7 | 2-fluorophenol | 367-12-4 | p-terphenyl-d14 | 1718-51-0 |
| carbazole | 86-74-8 | hexachlorobenzene | 118-74-1 | a-terpineol | 98-55-5 |
| 4-chloroaniline | 106-47-8 | hexachlorobutadiene | 87-68-3 | 1,2,3,4-tetrachlorobenzene | 634-66-2 |
| chlorobenzilate | 510-15-6 | hexachlorocyclopentadiene | 77-47-4 | 1,2,4,5-tetrachlorobenzene | 95-94-3 |
| 4-chlorophenylphenyl ether | 7005-72-3 | hexachloroethane | 67-72-1 | 2,3,4,6-Tetrachlorophenol | 58-90-2 |
| 4-chloro-3-methylphenol | 59-50-7 | indeno[1,2,3-cd]pyrene | 193-39-5 | 2,4,6-tribromophenol | 118-79-6 |
| 2-chloronaphthalene | 91-58-7 | isophorone | 78-59-1 | 1,2,4-trichlorobenzene | 120-82-1 |
| 2-chlorophenol | 95-57-8 | 2-methyl-4,6-dinitrophenol | 534-52-1 | 2,4,5-trichlorophenol | 95-95-4 |
| 3-chlorophenol | 108-43-0 | methyl methanesulfonate | 66-27-3 | 2,4,6-trichlorophenol | 88-06-2 |
| 4-chlorophenol | 106-48-9 | 2-methylnaphthalene | 91-57-6 | | |
| chrysene | 218-01-9 | 2-methylphenol | 95-48-7 | | |
| n-decane (C10) | 124-18-5 | **3-methylphenol | 108-39-4 | | |
| dibenz[a,h]anthracene | 53-70-3 | **4-methylphenol | 106-44-5 | | |
| dibenzofuran | 132-64-9 | naphthalene | 91-20-3 | | |
| di-n-butyl phthalate | 84-74-2 | 2-nitroaniline | 88-74-4 | | |
| 1,2-dichlorobenzene | 95-50-1 | 3-nitroaniline | 99-09-2 | | |

| Description | 8270 BNA solution |
|----------------|--------------------------------------|
| Catalog number | GCS112621-01 |
| Concentration | 500 mg/L (** designates 250 mg/L) |
| Volume | 1-mL ampule |
| Solvent | Methylene chloride |

Custom Pesticide Mix

| Compound | CAS # | Compound | CAS # | Compound | CAS # |
|---------------------------------|------------|-----------------------------|------------|--|------------|
| a-chlordane | 5103-71-9 | endosulfan sulfate | 1031-07-8 | prothiofos | 34643-46-4 |
| a-BHC | 319-84-6 | endrin | 72-20-8 | simazine | 122-34-9 |
| b-BHC | 319-85-7 | endrin aldehyde | 7421-93-4 | sulfotep | 3689-24-5 |
| d-BHC | 319-86-8 | endrin ketone | 53494-70-5 | sulprofos (Bolstar®) | 35400-43-2 |
| g-BHC | 58-89-9 | EPN | 2104-64-5 | TEPP | 107-49-3 |
| g-chlordane | 5103-74-2 | ethoprophos (prophos) | 13194-48-4 | tetrachlorvinphos (Rabon) | 961-11-5 |
| coumaphos | 56-72-4 | famphur | 52-85-7 | tributylphosphoro-trithioite (Merphos) | 150-50-5 |
| p,p'-DDD | 72-54-8 | fenchlorphos (Ronnel) | 299-84-3 | trichloronate | 327-98-0 |
| p,p'-DDE | 72-55-9 | fensulfothion | 115-90-2 | chloropyrifos | 2921-88-2 |
| p,p'-DDT | 50-29-3 | fenthion | 55-38-9 | aldrin | 309-00-2 |
| Demeton O&S (31.3% O & 57.6% S) | 8065-48-3 | Guthion® | 86-50-0 | | |
| diazinon | 333-41-5 | heptachlor | 76-44-8 | | |
| dibrom (Naled) | 300-76-5 | heptachlor epoxide isomer B | 1024-57-3 | | |
| dichlorvos | 62-73-7 | malathion | 121-75-5 | | |
| dieldrin | 60-57-1 | methoxychlor | 72-43-5 | | |
| dimethoate | 60-51-5 | methyl parathion | 298-00-0 | | |
| disulfoton | 298-04-4 | mevinphos (Phosdrin™) | 7786-34-7 | | |
| endosulfan I | 959-98-8 | monocrotophos | 6923-22-4 | | |
| endosulfan II | 33213-65-9 | parathion | 56-38-2 | | |
| | | phorate | 298-02-2 | | |

| Description | Custom pesticide mix |
|----------------|---------------------------------------|
| Catalog number | GCS130715-01-5PAK |
| Concentration | 200 mg/L |
| Volume | Five 1-mL ampules |
| Solvent | Methylene chloride : toluene : hexane |

Semi-Volatile Organic Standards (continued)

Custom Herbicide Mix

| Compound | CAS # |
|---------------------------------|------------|
| acetochlor | 34256-82-1 |
| alachlor | 15972-60-8 |
| Ametryne | 834-12-8 |
| atrazine | 1912-24-9 |
| Benfluralin (Benefin) | 1861-40-1 |
| Bifenthrin | 82657-04-3 |
| bladex | 21725-46-2 |
| bromacil | 314-40-9 |
| butylate | 2008-41-5 |
| Cycloate | 1134-23-2 |
| dimethenamid | 87674-68-8 |
| dithiopyr | 97886-45-8 |
| EPTC | 759-94-4 |
| (s-ethyl dipropylthiocarbamate) | |
| Ethalfuralin | 55283-68-6 |
| ethion | 563-12-2 |
| Guthion® | 86-50-0 |
| hexazinon | 51235-04-2 |
| Isopropalin | 33820-53-0 |
| malathion | 121-75-5 |
| methyl parathion | 298-00-0 |
| metolachlor | 51218-45-2 |
| (** designates 10,000 mg/L) | |
| metribuzin | 21087-64-9 |
| molinate | 2212-67-1 |
| norflurazon | 27314-13-2 |

| Compound | CAS # |
|------------------|------------|
| Oxadiazon | 19666-30-9 |
| parathion | 56-38-2 |
| pebulate | 1114-71-2 |
| pendimethalin | 40487-42-1 |
| prodiamine | 29091-21-2 |
| profluralin | 26399-36-0 |
| prometon | 1610-18-0 |
| prometryn | 7287-19-6 |
| propachlor | 1918-16-7 |
| propazine | 139-40-2 |
| prothiofos | 34643-46-4 |
| simazine | 122-34-9 |
| Tebuthiuron | 34014-18-1 |
| Terbacil | 5902-51-2 |
| trans-permethrin | 51877-74-8 |
| tribufos | 78-48-8 |
| trifluralin | 1582-09-8 |
| vernolate | 1929-77-7 |
| Command | 81777-89-1 |
| cis-permethrin | 54774-45-7 |

| Description | Custom herbicide mix |
|----------------|----------------------|
| Catalog number | GCS130710-01-5PAK |
| Concentration | 500 mg/L |
| Volume | Five 1-mL ampules |
| Solvent | Methylene chloride |

Derivatized Herbicide Mix

| Compound | CAS # |
|------------------------------|------------|
| **MCPD methyl ester | 23844-56-6 |
| **MCPA methyl ester | 2436-73-9 |
| chlorthal-dimethyl (dacthal) | 1861-32-1 |
| 2,4,5-T methyl ester | 1928-37-6 |
| dicamba methyl ester | 6597-78-0 |
| 2,4-D-methyl ester | 1928-38-7 |
| silvex methyl ester | 4841-20-7 |
| dalapon methyl ester | 17640-02-7 |
| 2,4-DB methyl ester | 18625-12-2 |
| dichlorprop methyl ester | 57153-17-0 |
| dinoseb-methyl ether | 6099-79-2 |
| pentachloroanisole | 1825-21-4 |
| picloram-methyl ester | 14143-55-6 |
| 4-nitroanisole | 100-17-4 |
| methyl 3,5-dichlorobenzoate | 2905-67-1 |
| acifluorfen methyl ester | 50594-67-7 |
| chloramben methyl ester | 7286-84-2 |
| bentazon-methyl | 61592-45-8 |

| Description | Custom herbicide mix |
|----------------|---|
| Catalog number | GCS132345-07-5PAK |
| Concentration | 100 mg/L (** designates 10,000 mg/L) |
| Volume | Five 1-mL ampules |
| Solvent | Methyl tert-butyl ether |

Pesticide/PCB

Surrogate Solution

| Compound | CAS # |
|------------------------------|-----------|
| decachlorobiphenyl (BZ# 209) | 2051-24-3 |
| 2,4,5,6-tetrachloro-m-xylene | 877-09-8 |

| Description | Pesticide/PCB surrogate solution | |
|---------------|----------------------------------|------------------|
| Cat. no. | GCS130023-07 | GCS130023-07-5mL |
| Concentration | 200 mg/L | 200 mg/L |
| Volume | 1-mL ampule | 5-mL ampule |
| Solvent | Acetone | |

Aroclor 1016 + 1260 Solution

| Compound | CAS # |
|--------------|------------|
| Aroclor 1016 | 12674-11-2 |
| Aroclor 1260 | 11096-82-5 |

| Description | Aroclor 1016 + 1260 solution |
|----------------|------------------------------|
| Catalog number | GCS130011-03 |
| Concentration | 1000 mg/L |
| Volume | 1-mL ampule |
| Solvent | Hexane |

Aroclor Mix Set

| Compound | CAS # |
|--------------|------------|
| Aroclor 1016 | 12674-11-2 |
| Aroclor 1221 | 11104-28-2 |
| Aroclor 1232 | 11141-16-5 |
| Aroclor 1242 | 53469-21-9 |
| Aroclor 1248 | 12672-29-6 |
| Aroclor 1254 | 11097-69-1 |
| Aroclor 1260 | 11096-82-5 |

| Description | Aroclor mix set |
|----------------|-----------------------------|
| Catalog number | GCS131075-01 |
| Concentration | 200 mg/L |
| Volume | 1-mL ampule of each Aroclor |
| Solvent | Methanol |

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