

METHOD CLP

Volatiles

The U.S. EPA Contract Laboratory Program (CLP) was developed under the authority of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) and under the 1986 Superfund Amendments and Reauthorization Act (SARA). The analytical methods were designed for identifying and quantifying the organic compounds on the EPA's Target Compound List (TLC) in ground water, sediment, and soil from abandoned hazardous waste sites.

The following Chem Service reference standards are prepared for analyzing the volatile compounds, semi-volatile compounds, as well as pesticide compounds included on the EPA Target Compound List. Chem Service is committed to providing you with the highest quality reference materials for the CLP methods, as well as to furnishing you with high quality standards documentation.

VOLATILE ORGANIC COMPOUNDS

CLP VOLATILES

F700	Acetone	67-64-1	F10	1,2-Dichloroethane	107-06-2	F710	4-Methyl-2-pentanone	105-10-1
F4	Benzene	71-43-2	F29	1,1-Dichloroethene	75-35-4	F716	Styrene	100-42-5
F48	Bromodichloromethane	75-27-4	F821	cis-1,2-Dichloroethene	156-99-2	F15	1,1,2,2-Tetrachloroethane	79-34-5
F47	Bromoform	75-25-2	F30	trans-1,2-Dichloroethene	156-60-5	F85	Tetrachloroethene	127-18-4
F704	2-Butanone	78-93-3	F32	1,2-Dichloropropane	78-87-5	F86	Toluene	108-88-3
F705	Carbon disulfide	75-15-0	F200	cis-1,3-Dichloropropene	10061-01-5	F11	1,1,1-Trichloroethane	71-55-6
F6	Carbon tetrachloride	56-23-5	F201	trans-1,3-Dichloropropene	10061-02-6	F14	1,1,2-Trichloroethane	79-00-5
F7	Chlorobenzene	108-90-7	F38	Ethylbenzene	100-41-4	F87	Trichloroethene	79-01-6
F51	Chlorodibromomethane	124-48-1	F708	2-Hexanone	591-78-6	F719	o-Xylene	95-47-6
F16S	Chloroethane Solution	75-00-3	F46S	Methyl bromide Solution	74-83-9	F829	m-Xylene	108-38-3
F23	Chloroform	67-66-3	F45S	Methyl chloride Solution	74-87-3	F830	p-Xylene	106-42-3
F13	1,1-Dichloroethane	75-34-3	F44	Methylene chloride	79-09-2	F88S	Vinyl chloride Solution	75-01-4

NOTE: Chloroethane (F16S), Methyl bromide (F46S), Methyl chloride (F45S) and Vinyl chloride (F88S) are supplied as solutions only, but are included in the neat kit.

- CLPVOL-1N** Neat compounds of each of the above - (36 component kit)
- CLPVOL-1S** 5mL Solutions of each, in the appropriate solvent - (36 component kit)

CLP VOLATILES MIXTURE #2

CLP VOLATILES

F48	Bromodichloromethane	75-27-4
F47	Bromoform	75-25-2
F6	Carbon tetrachloride	56-23-5
F51	Chlorodibromomethane	124-48-1
F23	Chloroform	67-66-3
F13	1,1-Dichloroethane	75-34-3
F10	1,2-Dichloroethane	107-06-2
F32	1,2-Dichloropropane	78-87-5
F44	Methylene chloride	79-09-2
F15	1,1,2,2-Tetrachloroethane	79-34-5
F11	1,1,1-Trichloroethane	71-55-6
F14	1,1,2-Trichloroethane	79-00-5

2000ug/mL in Methanol - (12 components)

- CLPVOL-2M** 5mL Ampule
- CLPVOL-2RPM** 5x1mL Ampules
- CLPVOL-2JM** 1mL Ampule

**HAZARDOUS SUBSTANCE LIST (HSL)
VOLATILES STANDARD MIXTURE**

CLP VOLATILES

F700	Acetone	67-64-1
F704	2-Butanone	78-93-3
F705	Carbon disulfide	75-15-0
F708	2-Hexanone	591-78-6
F710	4-Methyl-2-pentanone	105-10-1
F716	Styrene	100-42-5
F719	o-Xylene	95-47-6

200ug/mL in Methanol:Water (90:10) - (7 components)

- HSL-1M** 5mL Ampule
- HSL-1RPM** 5x1mL Ampules
- HSL-1JM** 1mL Ampule

2000ug/mL in Methanol:Water (90:10) - (7 components)

- HSL-2M** 5mL Ampule
- HSL-2RPM** 5x1mL Ampules
- HSL-2JM** 1mL Ampule

CLP VOLATILE TLC GASES MIXTURE

CLP VOLATILES

See page 201 for complete analyte listing.

200ug/mL in Methanol - (4 components)

- PPW-24CM** 5mL Ampule
- PPW-24CRPM** 5x1mL Ampules
- PPW-24CJM** 1mL Ampule

CLP VOLATILES MIXTURE #3

CLP VOLATILES

F4	Benzene	71-43-2
F7	Chlorobenzene	108-90-7
F29	1,1-Dichloroethene	75-35-4
F821	cis-1,2-Dichloroethene	156-99-2
F30	trans-1,2-Dichloroethene	156-60-5
F200	cis-1,3-Dichloropropene	10061-01-5
F201	trans-1,3-Dichloropropene	10061-02-6
F38	Ethylbenzene	100-41-4
F85	Tetrachloroethene	127-18-4
F86	Toluene	108-88-3
F87	Trichloroethene	79-01-6
F829	m-Xylene	108-38-3
F830	p-Xylene	106-42-3

2000ug/mL in Methanol - (13 components)

- CLPVOL-3M** 5mL Ampule
- CLPVOL-3RPM** 5x1mL Ampules
- CLPVOL-3JM** 1mL Ampule

CLP VOLATILES TLC GASES MIXTURE

CLP VOLATILES

F16	Chloroethane	75-00-3
F46	Methyl bromide	74-83-9
F45	Methyl chloride	74-87-3
F88	Vinyl chloride	75-01-4

2000ug/mL in Methanol - (14 components)

- CLPVOL-1G** 5mL Ampule
- CLPVOL-1GRPM** 5x1mL Ampules
- CLPVOL-1GJM** 1mL Ampule

CLP VOLATILES MIXTURES Kit

CLP VOLATILES

CLPVOL-2M	CLP Volatiles Mixture #2
CLPVOL-3M	CLP Volatiles Mixture #3
CLPVOL-1G	CLP Volatiles TLC Gases Mixture
HSL-2M	Hazardous Substance List Volatile Standards Mixture

5mL of each, in the appropriate solvent - (4 component kit)
MMCLPVOL-4 KIT

<p>BTEX & MTBE KITS AND MIXTURE CLP VOLATILES See page 169 for complete analyte listing.</p> <p>Neat compounds of each of the above - (7 component kit) MBTEX-1N KIT</p> <p>5mL Solutions of each, in the appropriate solvent - (7 component kit) MBTEX-1S KIT</p> <p>1000ug/mL in Methanol - (7 components) MBTEX-2M 5mL Ampule MBTEX-2RPM 5x1mL Ampules MBTEX-2JM 1mL Ampule</p> <p>2000ug/mL in Methanol - (7 components) MBTEX-1M 5mL Ampule MBTEX-1RPM 5x1mL Ampules MBTEX-1JM 1mL Ampule</p> <p>VOLATILES CALIBRATION CHECK MIXTURE CLP VOLATILES See page 244 for complete analyte listing.</p> <p>2000ug/mL in Methanol - (6 components) CLP-7M 5mL Ampule CLP-7RPM 5x1mL Ampules CLP-7JM 1mL Ampule</p> <p>TCL KETONES MIXTURE CLP VOLATILES</p> <table border="0"> <tr><td>F700</td><td>Acetone</td><td>67-64-1</td></tr> <tr><td>F704</td><td>2-Butanone</td><td>78-93-3</td></tr> <tr><td>F708</td><td>2-Hexanone</td><td>591-78-6</td></tr> <tr><td>F710</td><td>4-Methyl-2-pentanone</td><td>105-10-1</td></tr> </table> <p>2000ug/mL in Methanol:Water (90:10) - (4 components) TCL-1AM 5mL Ampule TCL-1ARPM 5x1mL Ampules TCL-1AJM 1mL Ampule</p> <p>BTEX MIXTURES CLP VOLATILES See page 168 for complete analyte listing.</p> <p>200ug/mL in Methanol - (6 components) BTEX-1M 5mL Ampule BTEX-1RPM 5x1mL Ampules BTEX-1JM 1mL Ampule</p> <p>2000ug/mL in Methanol - (6 components) BTEX-2M 5mL Ampule BTEX-2RPM 5x1mL Ampules BTEX-2JM 1mL Ampule</p> <p>TCL CALIBRATION STANDARDS CLP VOLATILES</p> <table border="0"> <tr><td>F705</td><td>5g</td><td>Carbon disulfide (Ampule)</td><td>75-15-0</td></tr> <tr><td>F705S</td><td>5mL</td><td>100ug/mL Methanol (Ampule)</td><td></td></tr> <tr><td>F705RPS</td><td>5x1mL</td><td>100ug/mL Methanol (Ampule)</td><td></td></tr> <tr><td>F705JS</td><td>1mL</td><td>100ug/mL Methanol (Ampule)</td><td></td></tr> <tr><td>F705AS</td><td>5mL</td><td>100ug/mL Hexane (Ampule)</td><td></td></tr> <tr><td>F705ARPS</td><td>5x1mL</td><td>100ug/mL Hexane (Ampule)</td><td></td></tr> <tr><td>F705AJS</td><td>1mL</td><td>100ug/mL Hexane (Ampule)</td><td></td></tr> <tr><td>F718</td><td>5g</td><td>Vinyl acetate</td><td>108-05-4</td></tr> <tr><td>F718S</td><td>5mL</td><td>2000ug/mL Acetonitrile (Ampule)</td><td></td></tr> <tr><td>F718RPS</td><td>5x1mL</td><td>2000ug/mL Acetonitrile (Ampule)</td><td></td></tr> <tr><td>F718JS</td><td>1mL</td><td>2000ug/mL Acetonitrile (Ampule)</td><td></td></tr> </table>	F700	Acetone	67-64-1	F704	2-Butanone	78-93-3	F708	2-Hexanone	591-78-6	F710	4-Methyl-2-pentanone	105-10-1	F705	5g	Carbon disulfide (Ampule)	75-15-0	F705S	5mL	100ug/mL Methanol (Ampule)		F705RPS	5x1mL	100ug/mL Methanol (Ampule)		F705JS	1mL	100ug/mL Methanol (Ampule)		F705AS	5mL	100ug/mL Hexane (Ampule)		F705ARPS	5x1mL	100ug/mL Hexane (Ampule)		F705AJS	1mL	100ug/mL Hexane (Ampule)		F718	5g	Vinyl acetate	108-05-4	F718S	5mL	2000ug/mL Acetonitrile (Ampule)		F718RPS	5x1mL	2000ug/mL Acetonitrile (Ampule)		F718JS	1mL	2000ug/mL Acetonitrile (Ampule)		<p>PURGEABLES MATRIX SPIKING MIXTURES CLP VOLATILES See page 244 for complete analyte listing.</p> <p>1000ug/mL in Methanol - (5 components) CLP-5M 5mL Ampule CLP-5RPM 5x1mL Ampules CLP-5JM 1mL Ampule</p> <p>2500ug/mL in Methanol - (5 components) CLPH-5M 5mL Ampule CLPH-5RPM 5x1mL Ampules CLPH-5JM 1mL Ampule</p> <p>PURGEABLES SURROGATE STANDARDS MIXTURES CLP VOLATILES See page 244 for complete analyte listing.</p> <p>250ug/mL in Methanol - (3 components) CLP-3M 5mL Ampule CLP-3RPM 5x1mL Ampules CLP-3JM 1mL Ampule</p> <p>2500ug/mL in Methanol - (3 components) CLP-3AM 5mL Ampule CLP-3ARPM 5x1mL Ampules CLP-3AJM 1mL Ampule</p> <p>PURGEABLES INTERNAL STANDARDS MIXTURES CLP VOLATILES See page 217 for complete analyte listing.</p> <p>1000ug/mL in Methanol - (3 components) CLP-4M 5mL Ampule CLP-4RPM 5x1mL Ampules CLP-4JM 1mL Ampule</p> <p>2500ug/mL in Methanol - (3 components) CLP-4AM 5mL Ampule CLP-4ARPM 5x1mL Ampules CLP-4AJM 1mL Ampule</p> <p>COMBINED PURGEABLE INTERNAL & SURROGATE STANDARDS MIXTURE CLP VOLATILES See page 244 for complete analyte listing.</p> <p>2500ug/mL in Methanol - (6 components) CPIS-1M 5mL Ampule CPIS-1RPM 5x1mL Ampules CPIS-1JM 1mL Ampule</p> <p>VOLATILES SYSTEM PERFORMANCE MIXTURE CLP VOLATILES See page 244 for complete analyte listing.</p> <p>2000ug/mL in Methanol - (5 components) CLP-6M 5mL Ampule CLP-6RPM 5x1mL Ampules CLP-6JM 1mL Ampule</p> <p>INSTRUMENT PERFORMANCE CHECK STANDARDS CLP VOLATILES</p> <table border="0"> <tr><td>F833</td><td>5g</td><td>4-Bromofluorobenzene</td><td>460-00-4</td></tr> <tr><td>F833S</td><td>5mL</td><td>2000ug/mL Methanol</td><td></td></tr> <tr><td>F833RPS</td><td>5x1mL</td><td>2000ug/mL Methanol (Ampule)</td><td></td></tr> <tr><td>F833JS</td><td>1mL</td><td>2000ug/mL Methanol (Ampule)</td><td></td></tr> </table>	F833	5g	4-Bromofluorobenzene	460-00-4	F833S	5mL	2000ug/mL Methanol		F833RPS	5x1mL	2000ug/mL Methanol (Ampule)		F833JS	1mL	2000ug/mL Methanol (Ampule)	
F700	Acetone	67-64-1																																																																							
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F833JS	1mL	2000ug/mL Methanol (Ampule)																																																																							
<p>Approximately 99% of our orders ship within 24 hours of placement..</p>																																																																									

INTERNAL STANDARDS				SURROGATE STANDARDS			
CLP VOLATILES				CLP VOLATILES			
F206	2g	Bromochloromethane	74-97-5	F833	5g	4-Bromofluorobenzene	460-00-4
F206S	5mL	100ug/mL Methanol (Ampule)		F833S	5mL	2000ug/mL Methanol	
F206RPS	5x1mL	100ug/mL Methanol (Ampule)		F833RPS	5x1mL	2000ug/mL Methanol (Ampule)	
F206JS	1mL	100ug/mL Methanol (Ampule)		F833JS	1mL	2000ug/mL Methanol (Ampule)	
F206AS	5mL	2000ug/mL Methanol (Ampule)					
F206ARPS	5x1mL	2000ug/mL Methanol (Ampule)		F836	100mg	1,2-Dichloroethane-d ₄ (Ampule)	17060-07-0
F206AJS	1mL	2000ug/mL Methanol (Ampule)		F836S	5mL	2000ug/mL Methanol (Ampule)	
F206BS	5mL	20,000ug/mL Methanol (Ampule)		F836RPS	5x1mL	2000ug/mL Methanol (Ampule)	
F206BRPS	5x1mL	20,000ug/mL Methanol (Ampule)		F836JS	1mL	2000ug/mL Methanol (Ampule)	
F206BJS	1mL	20,000ug/mL Methanol (Ampule)					
CLP VOLATILES				CLP VOLATILES			
F1088	100mg	Chlorobenzene-d ₅	3114-55-4	F843	100mg	Toluene-d ₈	2037-26-5
F1088S	5mL	100ug/mL Methanol		F843S	5mL	2000ug/mL Methylene chloride (Ampule)	
F1088RPS	5x1mL	100ug/mL Methanol (Ampule)		F843RPS	5x1mL	2000ug/mL Methylene chloride (Ampule)	
F1088JS	1mL	100ug/mL Methanol (Ampule)		F843JS	1mL	2000ug/mL Methylene chloride (Ampule)	
				F843AS	5mL	2000ug/mL Methanol	
F837	100mg	1,4-Difluorobenzene	540-36-3	F843ARPS	5x1mL	2000ug/mL Methano (Ampule)	
F837S	5mL	2000ug/mL Methanol (Ampule)		F843AJS	1mL	2000ug/mL Methanol (Ampule)	
F837RPS	5x1mL	2000ug/mL Methanol (Ampule)					
F837JS	1mL	2000ug/mL Methanol (Ampule)					

METHOD CLP Semivolatiles

SEMIVOLATILE ORGANIC COMPOUNDS								
CLP SEMIVOLATILES				CLP SEMIVOLATILES				
F1	Acenaphthene	83-32-9	F707	Dibenzofuran	132-64-9	F54	Isophorone	78-59-1
F77	Acenaphthylene	208-96-8	F68	Di-n-butyl phthalate	84-74-2	F709	2-Methylnaphthalene	91-57-6
F78	Anthracene	120-12-7	F25	1,2-Dichlorobenzene	95-50-1	F711	2-Methylphenol	95-48-7
F72	1,2-Benzanthracene	56-55-3	F26	1,3-Dichlorobenzene	541-73-1	F712	4-Methylphenol	106-44-5
F74	Benzo(b)fluoranthene	205-99-2	F27	1,4-Dichlorobenzene	106-46-7	F55	Naphthalene	91-20-3
F75	Benzo(k)fluoranthene	207-08-9	F28	3,3-Dichlorobenzidine	91-94-1	F713	o-Nitroaniline	88-74-4
F79	1,12-Benzoperylene	191-24-2	F31	2,4-Dichlorophenol	120-83-2	F714	m-Nitroaniline	99-09-2
F73	Benzo(a)pyrene	50-32-9	F34	2,4-Dimethylphenol	105-67-9	F715	p-Nitroaniline	100-01-6
F43	Bis(2-chloroethoxy)methane	111-91-1	F70	Diethyl phthalate	84-66-2	F56	Nitrobenzene	98-95-3
F18	Bis(2-chloroethyl)ether	111-44-4	F71	Dimethyl phthalate	131-11-3	F57	2-Nitrophenol	88-75-5
F42	Bis(2-chloroisopropyl)ether	108-60-1	F60	4,6-Dinitro-o-cresol	534-52-1	F58	4-Nitrophenol	100-02-7
F66	Bis(2-ethylhexyl)phthalate	117-81-7	F59	2,4-Dinitrophenol	51-28-5	F62	N-Nitrosodiphenylamine	86-30-6
F41	4-Bromophenyl phenyl ether	101-55-3	F35	2,4-Dinitrotoluene	121-14-2	F63	N-Nitrosodi-n-propylamine	621-64-7
F67	Butyl benzyl phthalate	85-68-7	F36	2,6-Dinitrotoluene	606-20-2	F64	Pentachlorophenol	87-86-5
F2001	Carbazole	86-74-8	F69	Di-n-octyl phthalate	117-84-6	F81	Phenanthrene	85-01-8
F706	4-Chloroaniline	106-47-8	F39	Fluoranthene	206-44-0	F65	Phenol	108-95-2
F22	4-Chloro-3-methylphenol	59-50-7	F80	Fluorene	86-73-7	F84	Pyrene	129-00-0
F20	2-Chloronaphthalene	91-58-7	F9	Hexachlorobenzene	118-74-1	F8	1,2,4-Trichlorobenzene	120-82-1
F24	2-Chlorophenol	95-57-8	F52	Hexachloro-1,3-butadiene	87-68-3	F717	2,4,5-Trichlorophenol	95-95-4
F40	4-Chlorophenyl phenyl ether	7005-72-3	F53	Hexachlorocyclopentadiene	77-47-4	F21	2,4,6-Trichlorophenol	88-06-2
F76	Chrysene	218-01-9	F12	Hexachloroethane	67-72-1			
F82	1,2:5,6-Dibenzanthracene	53-70-3	F83	Indeno(1,2,3-C,D)pyrene	193-39-5			

CLPSEM-1N Neat compounds of each of the above - (64 component kit)
CLPSEM-1S 5mL Solutions of each, in the appropriate solvent - (64 component kit)

ACIDS MIXTURE	SEMI-VOLATILES SUPPLEMENT MIXTURE
CLP SEMIVOLATILES	CLP SEMIVOLATILES
See page 248 for complete analyte listing.	See page 248 for complete analyte listing.
1000ug/mL in Methylene chloride - (17 components)	1000ug/mL in Methylene chloride - (10 components)
CLPSEM-1AM 5mL Ampule	CLPSEM-1XM 5mL Ampule
CLPSEM-1AJRPM 5x1mL Ampules	CLPSEM-1XRPM 5x1mL Ampules
CLPSEM-1AJM 1mL Ampule	CLPSEM-1XJM 1mL Ampule
BASE NEUTRALS EXTRACTABLES MIXTURE	SEMI-VOLATILES MIXTURES KIT
CLP SEMIVOLATILES	CLP SEMIVOLATILES
See page 204 for complete analyte listing.	Base Neutrals Extractables Mixture
1000ug/mL in Benzene:Methylene chloride:Acetonitrile (4:4:2) - (44 components)	Acids Mixture
BN625-1M 5mL Ampule	Semi-Volatiles Supplement Mixture
BN625-1RPM 5x1mL Ampules	Mixture #7 - Benzidines
BN625-1JM 1mL Ampule	
	5mL of each, in the appropriate solvent - (4 component kit)
	MMCLPSEM-3 KIT

<p align="center">MIXTURE #1 - BASE NEUTRALS CLP SEMIVOLATILES See page 250 for complete analyte listing.</p>	<p align="center">MIXTURE #2 - BASE NEUTRALS CLP SEMIVOLATILES See page 250 for complete analyte listing.</p>																																																																																	
<p>2000ug/mL in Methylene chloride - (14 components) PP-HC1 5mL Ampule PP-HC1RPM 5x1mL Ampules PP-HC1JM 1mL Ampule</p>	<p>2000ug/mL in Methylene chloride - (14 components) PP-HC2 5mL Ampule PP-HC2RPM 5x1mL Ampules PP-HC2JM 1mL Ampule</p>																																																																																	
<p align="center">BASE NEUTRALS EXTRACTABLES MIXTURES KIT (BN625-1M & PP-HC7) CLP SEMIVOLATILES See page 204 for complete analyte listing.</p>	<p align="center">MIXTURE #4 - HAZARDOUS SUBSTANCES CLP SEMIVOLATILES See page 251 for complete analyte listing.</p>																																																																																	
<p>5mL of each, in the appropriate solvent - (2 component kit) MMBN625PP7-2 KIT</p>	<p>2000ug/mL in Methylene chloride - (8 components) PP-HC4 5mL Ampule PP-HC4RPM 5x1mL Ampules PP-HC4JM 1mL Ampule</p>																																																																																	
<p align="center">MIXTURE #7 - BENZIDINES CLP SEMIVOLATILES See page 192 for complete analyte listing.</p>	<p align="center">MIXTURE #5 - PESTICIDES CLP SEMIVOLATILES</p>																																																																																	
<p>2000ug/mL in Methanol - (2 components) PP-HC7 5mL Ampule PP-HC7RPM 5x1mL Ampules PP-HC7JM 1mL Ampule</p>	<table border="0"> <tbody> <tr><td>F89</td><td>Aldrin[Ⓔ]</td><td>309-00-2</td></tr> <tr><td>F102</td><td>BHC (alpha isomer)</td><td>319-84-6</td></tr> <tr><td>F103</td><td>BHC (beta isomer)</td><td>319-85-7</td></tr> <tr><td>F105</td><td>BHC (delta isomer)</td><td>319-86-8</td></tr> <tr><td>F94</td><td>4,4'-DDD</td><td>72-54-8</td></tr> <tr><td>F93</td><td>4,4'-DDE</td><td>72-55-9</td></tr> <tr><td>F92</td><td>4,4'-DDT</td><td>50-29-3</td></tr> <tr><td>F90</td><td>Dieldrin</td><td>60-57-1</td></tr> <tr><td>F202</td><td>a-Endosulfan</td><td>959-98-8</td></tr> <tr><td>F203</td><td>b-Endosulfan</td><td>33213-65-9</td></tr> <tr><td>F97</td><td>Endosulfan sulfate</td><td>1034-07-8</td></tr> <tr><td>F98</td><td>Endrin</td><td>72-20-8</td></tr> <tr><td>F99</td><td>Endrin aldehyde</td><td>7421-93-4</td></tr> <tr><td>F100</td><td>Heptachlor</td><td>76-44-8</td></tr> <tr><td>F101</td><td>Heptachlor epoxide</td><td>1024-57-3</td></tr> <tr><td>F104</td><td>Lindane (BHC gamma isomer)</td><td>58-89-9</td></tr> </tbody> </table>	F89	Aldrin [Ⓔ]	309-00-2	F102	BHC (alpha isomer)	319-84-6	F103	BHC (beta isomer)	319-85-7	F105	BHC (delta isomer)	319-86-8	F94	4,4'-DDD	72-54-8	F93	4,4'-DDE	72-55-9	F92	4,4'-DDT	50-29-3	F90	Dieldrin	60-57-1	F202	a-Endosulfan	959-98-8	F203	b-Endosulfan	33213-65-9	F97	Endosulfan sulfate	1034-07-8	F98	Endrin	72-20-8	F99	Endrin aldehyde	7421-93-4	F100	Heptachlor	76-44-8	F101	Heptachlor epoxide	1024-57-3	F104	Lindane (BHC gamma isomer)	58-89-9																																	
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<p align="center">MIXTURE #3 - HAZARDOUS SUBSTANCES CLP SEMIVOLATILES See page 251 for complete analyte listing.</p>	<p>2000ug/mL in Toluene:Hexane (50:50) - (16 components) PP-HC5 5mL Ampule PP-HC5RPM 5x1mL Ampules PP-HC5JM 1mL Ampule</p>																																																																																	
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<p align="center">MIXTURE #6 - POLYNUCLEAR AROMATIC HYDROCARBONS CLP SEMIVOLATILES</p> <table border="0"> <tbody> <tr><td>F1</td><td>Acenaphthene</td><td>83-32-9</td></tr> <tr><td>F77</td><td>Acenaphthylene</td><td>208-96-8</td></tr> <tr><td>F78</td><td>Anthracene</td><td>120-12-7</td></tr> <tr><td>F72</td><td>1,2-Benzanthracene</td><td>56-55-3</td></tr> <tr><td>F74</td><td>Benzo(b)fluoranthene</td><td>205-99-2</td></tr> <tr><td>F75</td><td>Benzo(k)fluoranthene</td><td>207-08-9</td></tr> <tr><td>F79</td><td>1,12-Benzoperylene</td><td>191-24-1</td></tr> <tr><td>F73</td><td>Benzo(a)pyrene</td><td>50-32-8</td></tr> <tr><td>F76</td><td>Chrysene</td><td>218-01-9</td></tr> <tr><td>F82</td><td>1,2:5,6-Dibenzanthracene</td><td>53-70-3</td></tr> <tr><td>F39</td><td>Fluoranthene</td><td>206-44-0</td></tr> <tr><td>F80</td><td>Fluorene</td><td>86-73-7</td></tr> <tr><td>F83</td><td>Indeno(1,2,3-C,D)pyrene</td><td>193-39-5</td></tr> <tr><td>F55</td><td>Naphthalene</td><td>91-20-3</td></tr> <tr><td>F81</td><td>Phenanthrene</td><td>85-01-8</td></tr> <tr><td>F84</td><td>Pyrene</td><td>129-00-0</td></tr> </tbody> </table>	F1	Acenaphthene	83-32-9	F77	Acenaphthylene	208-96-8	F78	Anthracene	120-12-7	F72	1,2-Benzanthracene	56-55-3	F74	Benzo(b)fluoranthene	205-99-2	F75	Benzo(k)fluoranthene	207-08-9	F79	1,12-Benzoperylene	191-24-1	F73	Benzo(a)pyrene	50-32-8	F76	Chrysene	218-01-9	F82	1,2:5,6-Dibenzanthracene	53-70-3	F39	Fluoranthene	206-44-0	F80	Fluorene	86-73-7	F83	Indeno(1,2,3-C,D)pyrene	193-39-5	F55	Naphthalene	91-20-3	F81	Phenanthrene	85-01-8	F84	Pyrene	129-00-0	<table border="0"> <tbody> <tr><td>F22</td><td>4-Chloro-3-methylphenol</td><td>59-50-7</td></tr> <tr><td>F24</td><td>2-Chlorophenol</td><td>95-57-8</td></tr> <tr><td>F31</td><td>2,4-Dichlorophenol</td><td>120-83-2</td></tr> <tr><td>F34</td><td>2,4-Dimethylphenol</td><td>105-67-9</td></tr> <tr><td>F60</td><td>4,6-Dinitro-o-cresol</td><td>534-52-1</td></tr> <tr><td>F59</td><td>2,4-Dinitrophenol</td><td>51-28-5</td></tr> <tr><td>F57</td><td>2-Nitrophenol</td><td>88-75-5</td></tr> <tr><td>F58</td><td>4-Nitrophenol</td><td>100-02-7</td></tr> <tr><td>F64</td><td>Pentachlorophenol</td><td>87-86-5</td></tr> <tr><td>F65</td><td>Phenol</td><td>108-95-2</td></tr> <tr><td>F21</td><td>2,4,6-Trichlorophenol</td><td>88-06-2</td></tr> </tbody> </table>	F22	4-Chloro-3-methylphenol	59-50-7	F24	2-Chlorophenol	95-57-8	F31	2,4-Dichlorophenol	120-83-2	F34	2,4-Dimethylphenol	105-67-9	F60	4,6-Dinitro-o-cresol	534-52-1	F59	2,4-Dinitrophenol	51-28-5	F57	2-Nitrophenol	88-75-5	F58	4-Nitrophenol	100-02-7	F64	Pentachlorophenol	87-86-5	F65	Phenol	108-95-2	F21	2,4,6-Trichlorophenol	88-06-2
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Our in-house certified neat chemicals are the building blocks of quality custom solutions. Chem Service can tailor a product to meet your certification, budget, and delivery requirements. Use our custom solution request form on page 7 or call customer service directly at (800) 452-9994.

COMBINED ACIDS & BASE NEUTRALS MATRIX SPIKING MIXTURE

CLP SEMIVOLATILES

See page 250 for complete analyte listing.

Mixture in Methylene chloride - (11 components)

CMSCLP-1M	5mL Ampule
CMSCLP-1RPM	5x1mL Ampules
CMSCLP-1JM	1mL Ampule

COMBINED SURROGATE STANDARDS SPIKING MIXTURE

CLP SEMIVOLATILES

1500ug/mL	F944	2-Chlorophenol-d ₄	93951-73-6
1000ug/mL	F835	1,2-Dichlorobenzene-d ₄	2199-69-1
1000ug/mL	F410	2-Fluorobiphenyl	321-60-8
1500ug/mL	F430	2-Fluorophenol	367-12-4
1500ug/mL	F330	Phenol-d ₆	13127-88-3
1000ug/mL	F320	Nitrobenzene-d ₅	4165-60-0
1000ug/mL	F842	p-Terphenyl-d ₁₄	1718-51-0
1500ug/mL	F844	2,4,6-Tribromophenol	118-79-6

Mixture in Methylene chloride - (8 components)

SSCLP-1M	5mL Ampule
SSCLP-1RPM	5x1mL Ampules
SSCLP-1JM	1mL Ampule

SPECIAL COMBINED MATRIX SPIKING MIXTURE

CLP SEMIVOLATILES

See page 250 for complete analyte listing.

Mixture in Methylene chloride - (11 components)

CRCLPS-1M	5mL Ampule
CRCLPS-1RPM	5x1mL Ampules
CRCLPS-1JM	1mL Ampule

SYSTEM PERFORMANCE CHECK MIXTURE

CLP SEMIVOLATILES

See page 252 for complete analyte listing.

1000ug/mL in Methanol - (4 components)

CLP-9M	5mL
CLP-9RPM	5x1mL Ampules
CLP-9JM	1mL Ampule

INSTRUMENT PERFORMANCE CHECK STANDARDS

CLP SEMIVOLATILES

F833	5g	4-Bromofluorobenzene	460-00-4
F833S	5mL	2000ug/mL Methanol	
F833RPS	5x1mL	2000ug/mL Methanol (Ampule)	
F833JS	1mL	2000ug/mL Methanol (Ampule)	

SURROGATE STANDARDS

CLP SEMIVOLATILES

F944	10mg	2-Chlorophenol-d ₄	93951-73-6
F944S	5mL	100ug/mL Methanol	
F944RPS	5x1mL	100ug/mL Methanol (Ampule)	
F944JS	1mL	100ug/mL Methanol (Ampule)	
F835	100mg	1,2-Dichlorobenzene-d ₄	2199-69-1
F835S	5mL	2000ug/mL Methanol	
F835RPS	5x1mL	2000ug/mL Methanol (Ampule)	
F835JS	1mL	2000ug/mL Methanol (Ampule)	
F410	1g	2-Fluorobiphenyl	321-60-8
F410S	5mL	100ug/mL Methanol	
F410RPS	5x1mL	100ug/mL Methanol (Ampule)	
F410JS	1mL	100ug/mL Methanol (Ampule)	
F410AS	5mL	2000ug/mL Methylene chloride (Ampule)	
F410ARPS	5x1mL	2000ug/mL Methylene chloride (Ampule)	
F410AJS	1mL	2000ug/mL Methylene chloride (Ampule)	
F430	1g	2-Fluorophenol	367-12-4
F430S	5mL	100ug/mL Methanol	
F430RPS	5x1mL	100ug/mL Methanol (Ampule)	
F430JS	1mL	100ug/mL Methanol (Ampule)	
F430AS	5mL	2000ug/mL Methanol	
F430APRS	5x1mL	2000ug/mL Methanol (Ampule)	
F430AJS	1mL	2000ug/mL Methanol (Ampule)	
F320	1g	Nitrobenzene-d ₅ (Ampule)	4165-60-0
F320S	5mL	2000ug/mL Methanol	
F320RPS	5x1mL	2000ug/mL Methanol (Ampule)	
F320JS	1mL	2000ug/mL Methanol (Ampule)	
F330	100mg	Phenol-d ₆	13127-88-3
F330S	5mL	2000ug/mL Methanol	
F330RPS	5x1mL	2000ug/mL Methanol (Ampule)	
F330JS	1mL	2000ug/mL Methanol (Ampule)	
F842	50mg	p-Terphenyl-d ₁₄	1718-51-0
F842S	5mL	2000ug/mL Methylene chloride (Ampule)	
F842RPS	5x1mL	2000ug/mL Methylene chloride (Ampule)	
F842JS	1mL	2000ug/mL Methylene chloride (Ampule)	
F844	5g	2,4,6-Tribromophenol	118-79-6
F844S	5mL	2000ug/mL Methylene chloride (Ampule)	
F844RPS	5x1mL	2000ug/mL Methylene chloride (Ampule)	
F844JS	1mL	2000ug/mL Methylene chloride (Ampule)	

INTERNAL STANDARDS

CLP SEMIVOLATILES

F720	50mg	Acenaphthene-d ₁₀	15067-26-2
F720S	5mL	2000ug/mL Methanol	
F720RPS	5x1mL	2000ug/mL Methanol (Ampule)	
F720JS	1mL	2000ug/mL Methanol (Ampule)	
F730	10mg	Chrysene-d ₁₂	1719-03-5
F730S	5mL	2000ug/mL Methylene chloride (Ampule)	
F730RPS	5x1mL	2000ug/mL Methylene chloride (Ampule)	
F730JS	1mL	2000ug/mL Methylene chloride (Ampule)	
F740	100mg	1,4-Dichlorobenzene-d ₄	3855-82-1
F740S	5mL	2000ug/mL Methanol	
F740RPS	5x1mL	2000ug/mL Methanol (Ampule)	
F740JS	1mL	2000ug/mL Methanol (Ampule)	
F310	100mg	Naphthalene-d ₈	1146-65-2
F310S	5mL	2000ug/mL Isooctane (Ampule)	
F310RPS	5x1mL	2000ug/mL Isooctane (Ampule)	
F310JS	1mL	2000ug/mL Isooctane (Ampule)	
F750	10mg	Perylene-d ₁₂	1520-96-3
F750S	5mL	2000ug/mL Methylene chloride (Ampule)	
F750RPS	5x1mL	2000ug/mL Methylene chloride (Ampule)	
F750JS	1mL	2000ug/mL Methylene chloride (Ampule)	
F208	100mg	Phenanthrene-d ₁₀	1517-22-2
F208S	5mL	100ug/mL Methanol	
F208RPS	5x1mL	100ug/mL Methanol (Ampule)	
F208JS	1mL	100ug/mL Methanol (Ampule)	
F208AS	5mL	2000ug/mL Methylene chloride (Ampule)	
F208ARPS	5x1mL	2000ug/mL Methylene chloride (Ampule)	
F208AJS	1mL	2000ug/mL Methylene chloride (Ampule)	

TUNING STANDARDS MIXTURE	
CLP SEMIVOLATILES	
See page 205 for complete analyte listing.	
1000ug/mL in Methylene chloride - (4 components)	
CLP-TS1M	5mL Ampule
CLP-TS1RPM	5x1mL Ampules
CLP-TS1JM	1mL Ampule

Need It In A Hurry?

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 Fax: 610-692-8729 Email: info@chemservice.com

TUNING STANDARDS			
CLP SEMIVOLATILES			
F5	1g	Benzidine	92-87-5
F5S	5mL	100ug/mL Ethanol	
F5RPS	5x1mL	100ug/mL Ethanol (Ampule)	
F5JS	1mL	100ug/mL Ethanol (Ampule)	
F92	1g	4,4'-DDT	50-29-3
F92S	5mL	100ug/mL Hexane (Ampule)	
F92RPS	5x1mL	100ug/mL Hexane (Ampule)	
F92JS	1mL	100ug/mL Hexane (Ampule)	
F834	100mg	Decafluorotriphenylphosphine	5074-71-5
F834S	5mL	2000ug/mL Methylene chloride (Ampule)	
F834RPS	5x1mL	2000ug/mL Methylene chloride (Ampule)	
F834JS	1mL	2000ug/mL Methylene chloride (Ampule)	
F834AS	5mL	25,000ug/mL Methylene chloride (Ampule)	
F834ARPS	5x1mL	25,000ug/mL Methylene chloride (Ampule)	
F834AJS	1mL	25,000ug/mL Methylene chloride (Ampule)	
F64	1g	Pentachlorophenol	87-86-5
F64S	5mL	100ug/mL Methanol	
F64RPS	5x1mL	100ug/mL Methanol (Ampule)	
F64JS	1mL	100ug/mL Methanol (Ampule)	

METHOD CLP Pesticides

PESTICIDE & PCB COMPOUNDS								
CLP PESTICIDES								
F89	Aldrin ^Æ	309-00-2	F105	BHC (delta isomer)	319-86-8	F97	Endosulfan sulfate	1031-07-8
F107	Arochlor 1016	12674-11-2	F907	cis-Chlordane	5103-71-9	F98	Endrin	72-20-8
F108	Arochlor 1221	11104-28-2	F908	trans-Chlordane	5103-74-2	F99	Endrin aldehyde	7421-93-4
F113	Arochlor 1232	11141-16-5	F93	4,4'-DDE	72-55-9	F2022	Endrin ketone	53494-70-5
F109	Arochlor 1242	53469-21-9	F94	4,4'-DDD	72-54-8	F100	Heptachlor	76-44-8
F110	Arochlor 1248	12672-29-6	F92	4,4'-DDT	50-29-3	F101	Heptachlor epoxide	1024-57-3
F111	Arochlor 1254	11097-69-1	F90	Dieldrin	60-57-1	F104	Lindane (BHC gamma isomer)	58-89-9
F112	Arochlor 1260	11096-82-5	F202	a-Endosulfan	959-98-8	F910	Methoxychlor	72-43-5
F102	BHC (alpha isomer)	319-84-6	F203	b-Endosulfan	33213-65-9	F106	Toxaphene ^Æ	8001-35-2
F103	BHC (beta isomer)	319-85-7						

CLPPES-1N Neat compounds of each of the above - (28 component kit)
CLPPES-1S 5mL Solutions of each, in the appropriate solvent - (28 component kit)

AROCHLOR 1016 & AROCHLOR 1260 MIXTURE		
CLP PESTICIDES		
F107	Arochlor 1016	12674-11-2
F112	Arochlor 1260	11096-82-5

200ug/mL in Hexane - (2 components)
CSM-CLPPM 5mL Ampule
CSM-CLPPRPM 5x1mL Ampules
CSM-CLPPJM 1mL Ampule

TOXAPHENE^Æ & CHLORDANE KIT	
CLP PESTICIDES	
See page 194 for complete analyte listing.	

Neat compounds of each of the above - (2 component kit)
PP-7N KIT
 5mL Solutions of each, in the appropriate solvent - (2 component kit)
PP-7S KIT

POLYCHLORINATED BIPHENYLS	
CLP PESTICIDES	
See page 171 for complete analyte listing.	

Neat compounds of each of the above - (7 component kit)
PP-8N KIT
 5mL Solutions of each, 100ug/mL in Methanol - (7 component kit)
PP-8S KIT

DEGRADATION PRODUCTS MIXTURE	
CLP PESTICIDES	
See page 176 for complete analyte listing.	

Mixture in tert-Butylmethyl ether - (4 components)
DP508-1M 5mL Ampule
DP508-1RPM 5x1mL Ampules
DP508-1JM 1mL Ampule

AROCHLORS, TOXAPHENE^Æ & CHLORDANE SOLUTIONS KIT	
CLP PESTICIDES	
See page 172 for complete analyte listing.	

5mL Solutions of each, 1000ug/mL in Hexane - (9 component kit)
CTA608-1S KIT

DEGRADATION CALIBRATION MIXTURE	
CLP PESTICIDES	
See page 176 for complete analyte listing.	

Mixture in tert-Butylmethyl ether - (2 components)
DC-508M 5mL Ampule
DC-508RPM 5x1mL Ampules
DC-508JM 1mL Ampule

ORGANOCHLORINE PESTICIDES
CLP PESTICIDES

See page 175 for complete analyte listing.

NOTE: PPO-8M, PPO-8JM, PP-HC5, PP-HC5JM, OCP-8080M, OCP-8080JM, OCP508-1M and OCP508-1JM do not contain the Arochlors, Chlordane or Toxaphene.

NOTE: PPO-8M, PPO-8JM, PP-HC5 and PP-HC5JM do not contain Methoxychlor.

NOTE: OCP508-1M, OCP508-1JM contain F2022 Endrin Ketone, F907 cis-Chlordane and F908 trans-Chlordane.

PPO-8N	Neat compounds of each of the above - (26 component kit)
PPO-8S	5mL Solutions of each, in the appropriate solvent - (26 component kit)
PPO-8M	Mixture at 100ug/mL in Toluene:Hexane (50:50), 5mL Ampule - (16 components)
PPO-8RPM	Mixture at 100ug/mL in Toluene:Hexane (50:50), 5x1mL Ampules - (16 components)
PPO-8JM	Mixture at 100ug/mL in Toluene:Hexane (50:50), 1mL Ampule - (16 components)
PP-HC5	Mixture at 2000ug/mL in Toluene:Hexane (50:50), 5mL Ampule - (16 components)
PP-HC5RPM	Mixture at 2000ug/mL in Toluene:Hexane (50:50), 5x1mL Ampules - (16 components)
PP-HC5JM	Mixture at 2000ug/mL in Toluene:Hexane (50:50), 1mL Ampule - (16 components)
OCP-8080M	Mixture at 100ug/mL in Toluene:Hexane (50:50), 5mL Ampule - (17 components)
OCP-8080RPM	Mixture at 100ug/mL in Toluene:Hexane (50:50), 5x1mL Ampules - (17 components)
OCP-8080JM	Mixture at 100ug/mL in Toluene:Hexane (50:50), 1mL Ampule - (17 components)
OCP508-1M	Mixture at 1000ug/mL in tert-Butylmethyl ether, 5mL Ampule - (20 components)
OCP508-1RPM	Mixture at 1000ug/mL in tert-Butylmethyl ether, 5x1mL Ampules - (20 components)
OCP508-1JM	Mixture at 1000ug/mL in tert-Butylmethyl ether, 1mL Ampule - (20 components)

PESTICIDES STANDARD MIXTURE A

CLP PESTICIDES

100ug/mL	F102	BHC (alpha isomer)	319-84-6
200ug/mL	F94	4,4'-DDD	72-54-8
200ug/mL	F92	4,4'-DDT	50-29-3
200ug/mL	F2107	Decachlorobiphenyl	528-29-0
200ug/mL	F90	Dieldrin	60-57-1
100ug/mL	F202	a-Endosulfan	959-98-8
200ug/mL	F98	Endrin	72-20-8
100ug/mL	F100	Heptachlor	76-44-8
100ug/mL	F104	Lindane (BHC gamma isomer)	58-89-9
1000ug/mL	F910	Methoxychlor	72-43-5
100ug/mL	F903	2,4,5,6-Tetrachloro-m-xylene	877-09-8

Mixture in Hexane - (11 components)

CLP-18M	5mL Ampule
CLP-18RPM	5x1mL Ampules
CLP-18JM	1mL Ampule

GPC CALIBRATION CHECK MIXTURE

CLP PESTICIDES

500ug/mL	F66	Bis(2-ethylhexyl)phthalate	117-81-7
25,000ug/mL	O-2305	Corn oil	8001-30-7
100ug/mL	F910	Methoxychlor	72-43-5
20ug/mL	F1047	Perylene	198-55-0
80ug/mL	I-159	Sulfur	7704-34-9

Mixture in Methylene chloride - (5 components)

CLP-14M	5mL Ampule
CLP-14RPM	5x1mL Ampules
CLP-14JM	1mL Ampule

TECHNICAL TIP

Opening an ampule

The ampules are scored at the neck (color band) to facilitate opening. 1) Chill ampule before opening - this is especially important for gas solutions & mixtures. 2) Hold the ampule vertically at arms length, with the bottle section in one hand, head section in the other - thumbs touching at the neck. 3) Press out and away with thumbs to open. 4) Transfer sample to a suitable vial and cap. 5) Caution - Edges where the ampule has been broken may be sharp: handle with care, under a fume hood.

PESTICIDES STANDARD MIXTURE B

CLP PESTICIDES

100ug/mL	F89	Aldrin ^{FE}	309-00-2
100ug/mL	F103	BHC (beta isomer)	319-85-7
100ug/mL	F105	BHC (delta isomer)	319-86-8
100ug/mL	F907	cis-Chlordane	5103-71-9
100ug/mL	F908	trans-Chlordane	5103-74-2
200ug/mL	F93	4,4'-DDE	72-55-9
200ug/mL	F2170	Decachlorobiphenyl	2051-24-3
200ug/mL	F203	b-Endosulfan	33213-65-9
200ug/mL	F97	Endosulfan sulfate	1031-07-8
200ug/mL	F99	Endrin aldehyde	7421-93-4
200ug/mL	F2022	Endrin ketone	53494-70-5
100ug/mL	F101	Heptachlor epoxide	1024-57-3
100ug/mL	F903	2,4,5,6-Tetrachloro-m-xylene	877-09-8

Mixture in Toluene:Hexane (50:50) - (13 components)

CLP-19M	5mL Ampule
CLP-19RPM	5x1mL Ampules
CLP-19JM	1mL Ampule

PESTICIDE RESOLUTION CHECK MIXTURE

CLP PESTICIDES

10ug/mL	F908	trans-Chlordane	5103-74-2
20ug/mL	F93	4,4'-DDE	72-55-8
20ug/mL	F2170	Decachlorobiphenyl	2051-24-3
20ug/mL	F90	Dieldrin	60-57-1
10ug/mL	F202	a-Endosulfan	959-98-8
20ug/mL	F97	Endosulfan sulfate	1031-07-8
20ug/mL	F2022	Endrin ketone	53494-70-5
100ug/mL	F910	Methoxychlor	72-43-5
20ug/mL	F903	2,4,5,6-Tetrachloro-m-xylene	877-09-8




Mixture in Hexane - (9 components)

CLP-15M	5mL Ampule
CLP-15RPM	5x1mL Ampules
CLP-15JM	1mL Ampule

FLORISIL CARTRIDGE CHECK STANDARDS

CLP PESTICIDES

F717	2g	2,4,5-Trichlorophenol	95-95-4
F717S	5mL	100ug/mL Methanol	
F717RPS	5x1mL	100ug/mL Methanol (Ampule)	
F717JS	1mL	100ug/mL Methanol (Ampule)	
F717AS	5mL	100ug/mL Hexane (Ampule)	
F717ARPS	5x1mL	100ug/mL Hexane (Ampule)	
F717AJS	1mL	100ug/mL Hexane (Ampule)	

<p align="center">SURROGATE STANDARDS MIXTURE #1 CLP PESTICIDES</p> <p align="center">See page 232 for complete analyte listing.</p> <p align="center">2000ug/mL in Toluene - (2 components)</p> <p>SM-8080M 5mL Ampule SM-8080RPM 5x1mL Ampules SM-8080JM 1mL Ampule</p> <hr/> <p align="center">SURROGATE STANDARDS MIXTURE #2 CLP PESTICIDES</p> <p align="center">See page 232 for complete analyte listing.</p> <p align="center">2000ug/mL in Acetone - (2 components)</p> <p>SM-8080AM 5mL Ampule SM-8080ARPM 5x1mL Ampules SM-8080AJM 1mL Ampule</p> <hr/> <p>WE ACCEPT...</p> <div style="display: flex; justify-content: space-around;">    </div>	<p align="center">SURROGATE STANDARDS CLP PESTICIDES</p> <table border="0"> <tr> <td>F2170</td><td>10mg</td><td>Decachlorobiphenyl</td><td>2051-24-3</td></tr> <tr> <td>F2170S</td><td>5mL</td><td>1000ug/mL Hexane (Ampule)</td><td></td></tr> <tr> <td>F2170RPS</td><td>5x1mL</td><td>1000ug/mL Hexane (Ampule)</td><td></td></tr> <tr> <td>F2170JS</td><td>1mL</td><td>1000ug/mL Hexane (Ampule)</td><td></td></tr> <tr> <td>F2170AS</td><td>5mL</td><td>100ug/mL Hexane (Ampule)</td><td></td></tr> <tr> <td>F2170ARPS</td><td>5x1mL</td><td>100ug/mL Hexane (Ampule)</td><td></td></tr> <tr> <td>F2170AJS</td><td>1mL</td><td>100ug/mL Hexane (Ampule)</td><td></td></tr> <tr> <td>F2170BS</td><td>5mL</td><td>500ug/mL Acetone (Ampule)</td><td></td></tr> <tr> <td>F2170BRPS</td><td>5x1mL</td><td>500ug/mL Acetone (Ampule)</td><td></td></tr> <tr> <td>F2170BJS</td><td>1mL</td><td>500ug/mL Acetone (Ampule)</td><td></td></tr> </table> <hr/> <table border="0"> <tr> <td>F850</td><td>1g</td><td>Dibutyl chlorendate</td><td>1770-80-5</td></tr> <tr> <td>F850S</td><td>5mL</td><td>1000ug/mL Methylene chloride (Ampule)</td><td></td></tr> <tr> <td>F850RPS</td><td>5x1mL</td><td>1000ug/mL Methylene chloride (Ampule)</td><td></td></tr> <tr> <td>F850JS</td><td>1mL</td><td>1000ug/mL Methylene chloride (Ampule)</td><td></td></tr> <tr> <td>F850AS</td><td>5mL</td><td>2000ug/mL Acetone (Ampule)</td><td></td></tr> <tr> <td>F850ARPS</td><td>5x1mL</td><td>2000ug/mL Acetone (Ampule)</td><td></td></tr> <tr> <td>F850AJS</td><td>1mL</td><td>2000ug/mL Acetone (Ampule)</td><td></td></tr> </table> <hr/> <table border="0"> <tr> <td>F903</td><td>1g</td><td>2,4,5,6-Tetrachloro-m-xylene</td><td>877-09-8</td></tr> <tr> <td>F903S</td><td>5mL</td><td>200ug/mL Methanol</td><td></td></tr> <tr> <td>F903RPS</td><td>5x1mL</td><td>200ug/mL Methanol (Ampule)</td><td></td></tr> <tr> <td>F903JS</td><td>1mL</td><td>200ug/mL Methanol (Ampule)</td><td></td></tr> </table>	F2170	10mg	Decachlorobiphenyl	2051-24-3	F2170S	5mL	1000ug/mL Hexane (Ampule)		F2170RPS	5x1mL	1000ug/mL Hexane (Ampule)		F2170JS	1mL	1000ug/mL Hexane (Ampule)		F2170AS	5mL	100ug/mL Hexane (Ampule)		F2170ARPS	5x1mL	100ug/mL Hexane (Ampule)		F2170AJS	1mL	100ug/mL Hexane (Ampule)		F2170BS	5mL	500ug/mL Acetone (Ampule)		F2170BRPS	5x1mL	500ug/mL Acetone (Ampule)		F2170BJS	1mL	500ug/mL Acetone (Ampule)		F850	1g	Dibutyl chlorendate	1770-80-5	F850S	5mL	1000ug/mL Methylene chloride (Ampule)		F850RPS	5x1mL	1000ug/mL Methylene chloride (Ampule)		F850JS	1mL	1000ug/mL Methylene chloride (Ampule)		F850AS	5mL	2000ug/mL Acetone (Ampule)		F850ARPS	5x1mL	2000ug/mL Acetone (Ampule)		F850AJS	1mL	2000ug/mL Acetone (Ampule)		F903	1g	2,4,5,6-Tetrachloro-m-xylene	877-09-8	F903S	5mL	200ug/mL Methanol		F903RPS	5x1mL	200ug/mL Methanol (Ampule)		F903JS	1mL	200ug/mL Methanol (Ampule)	
F2170	10mg	Decachlorobiphenyl	2051-24-3																																																																																		
F2170S	5mL	1000ug/mL Hexane (Ampule)																																																																																			
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F2170BRPS	5x1mL	500ug/mL Acetone (Ampule)																																																																																			
F2170BJS	1mL	500ug/mL Acetone (Ampule)																																																																																			
F850	1g	Dibutyl chlorendate	1770-80-5																																																																																		
F850S	5mL	1000ug/mL Methylene chloride (Ampule)																																																																																			
F850RPS	5x1mL	1000ug/mL Methylene chloride (Ampule)																																																																																			
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F903	1g	2,4,5,6-Tetrachloro-m-xylene	877-09-8																																																																																		
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<p align="center">METHOD CLP</p> <p align="center">SYSTEM MONITORING COMPOUNDS CLP QUICK TURNAROUND METHOD - VOLATILES</p> <table border="0"> <tr> <td>F833</td><td>5g</td><td>4-Bromofluorobenzene</td><td>460-00-4</td></tr> <tr> <td>F833S</td><td>5mL</td><td>2000ug/mL Methanol</td><td></td></tr> <tr> <td>F833RPS</td><td>5x1mL</td><td>2000ug/mL Methanol (Ampule)</td><td></td></tr> <tr> <td>F833JS</td><td>1mL</td><td>2000ug/mL Methanol (Ampule)</td><td></td></tr> </table>	F833	5g	4-Bromofluorobenzene	460-00-4	F833S	5mL	2000ug/mL Methanol		F833RPS	5x1mL	2000ug/mL Methanol (Ampule)		F833JS	1mL	2000ug/mL Methanol (Ampule)		<p align="center">QTM - Volatile</p> <p align="center">TARGET COMPOUND CLP QUICK TURNAROUND METHOD - VOLATILES</p> <table border="0"> <tr> <td></td><td></td><td>Vinyl chloride</td><td>75-01-4</td></tr> <tr> <td>F88S</td><td>5mL</td><td>100ug/mL Methanol (Ampule)</td><td></td></tr> <tr> <td>F88RPS</td><td>5x1mL</td><td>100ug/mL Methanol (Ampule)</td><td></td></tr> <tr> <td>F88JS</td><td>1mL</td><td>100ug/mL Methanol (Ampule)</td><td></td></tr> <tr> <td>F88AS</td><td>5mL</td><td>2000ug/mL Methanol (Ampule)</td><td></td></tr> <tr> <td>F88ARPS</td><td>5x1mL</td><td>2000ug/mL Methanol (Ampule)</td><td></td></tr> <tr> <td>F88AJS</td><td>1mL</td><td>2000ug/mL Methanol (Ampule)</td><td></td></tr> </table>			Vinyl chloride	75-01-4	F88S	5mL	100ug/mL Methanol (Ampule)		F88RPS	5x1mL	100ug/mL Methanol (Ampule)		F88JS	1mL	100ug/mL Methanol (Ampule)		F88AS	5mL	2000ug/mL Methanol (Ampule)		F88ARPS	5x1mL	2000ug/mL Methanol (Ampule)		F88AJS	1mL	2000ug/mL Methanol (Ampule)	
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METHOD CLP		QTM - Phenols	
PHENOLS CALIBRATION MIXTURE #1			
CLP QUICK TURNAROUND METHOD - PHENOL			
F22	4-Chloro-3-methylphenol	59-50-7	
F24	2-Chlorophenol	95-57-8	
F987	m-Cresol	108-39-4	
F31	2,4-Dichlorophenol	120-83-2	
F34	2,4-Dimethylphenol	105-67-9	
F60	4,6-Dinitro-o-cresol	534-52-1	
F59	2,4-Dinitrophenol	51-28-5	
F711	2-Methylphenol	95-48-7	
F57	2-Nitrophenol	88-75-5	
F58	4-Nitrophenol	100-02-7	
F64	Pentachlorophenol	87-86-5	
F65	Phenol	108-95-2	
F1086	2,3,4,6-Tetrachlorophenol	58-90-2	
F21	2,4,6-Trichlorophenol	88-06-2	
2500ug/mL in Acetonitrile - (14 components)			
CLPQPH-1M	5mL Ampule		
CLPQPH-1RPM	5x1mL Ampules		
CLPQPH-1JM	1mL Ampule		

SYSTEM MONITORING COMPOUNDS			
CLP QUICK TURNAROUND METHOD - PHENOLS			
F2467	100mg	o-Bromophenol	95-56-7
F2467S	5mL	2000ug/mL	Methanol
F2467RPS	5x1mL	2000ug/mL	Methanol (Ampule)
F2467JS	1mL	2000ug/mL	Methanol (Ampule)

5 x 1mL Packaging

All individual 5mL solutions or mixtures listed in this catalog are available now in a 5 x 1mL package size. We have also added a 1mL package size for all of our 5mL solutions and mixtures. The new package sizes also come with their own part number to reduce confusion when ordering.

METHOD CLP		QTM - Pesticides	
ORGANOCHLORINE PESTICIDES MIXTURE			
CLP QUICK TURNAROUND METHOD - PESTICIDES			
See page 175 for complete analyte listing.			
1000ug/mL in tert-Butylmethyl ether - (20 components)			
OCP508-1M	5mL Ampule		
OCP508-1RPM	5x1mL Ampules		
OCP508-1JM	1mL Ampule		
FLORISIL CARTRIDGE CHECK STANDARDS			
CLP QUICK TURNAROUND METHOD - PESTICIDES			
F717	2g	2,4,5-Trichlorophenol	95-95-4
F717S	5mL	100ug/mL	Methanol
F717RPS	5x1mL	100ug/mL	Methanol (Ampule)
F717JS	1mL	100ug/mL	Methanol (Ampule)
F717AS	5mL	100ug/mL	Hexane (Ampule)
F717ARPS	5x1mL	100ug/mL	Hexane (Ampule)
F717AJS	1mL	100ug/mL	Hexane (Ampule)

SYSTEM MONITORING COMPOUNDS			
CLP QUICK TURNAROUND METHOD - PESTICIDES			
F2170	10mg	Decachlorobiphenyl	2051-24-3
F2170S	5mL	1000ug/mL	Hexane (Ampule)
F2170RPS	5x1mL	1000ug/mL	Hexane (Ampule)
F2170JS	1mL	1000ug/mL	Hexane (Ampule)
F2170AS	5mL	100ug/mL	Hexane (Ampule)
F2170ARPS	5x1mL	100ug/mL	Hexane (Ampule)
F2170AJS	1mL	100ug/mL	Hexane (Ampule)
F2170BS	5mL	500ug/mL	Acetone (Ampule)
F2170BRPS	5x1mL	500ug/mL	Acetone (Ampule)
F2170BJS	1mL	500ug/mL	Acetone (Ampule)

METHOD CLP		QTM - PCB	
TOXAPHENE^Æ & CHLORDANE KIT			
CLP QUICK TURNAROUND METHOD - PCB			
See page 194 for complete analyte listing.			
Neat compounds of each of the above - (2 component kit)			
PP-7N	KIT		
5mL Solutions of each, in the appropriate solvent - (2 component kit)			
PP-7S	KIT		
POLYCHLORINATED BIPHENYLS			
CLP QUICK TURNAROUND METHOD - PCB			
See page 171 for complete analyte listing.			
Neat compounds of each of the above - (7 component kit)			
PP-8N	KIT		
5mL Solutions of each, 100ug/mL in Methanol - (7 component kit)			
PP-8S	KIT		

SYSTEM MONITORING COMPOUNDS			
CLP QUICK TURNAROUND METHOD - PCB			
F2170	10mg	Decachlorobiphenyl	2051-24-3
F2170S	5mL	1000ug/mL	Hexane (Ampule)
F2170RPS	5x1mL	1000ug/mL	Hexane (Ampule)
F2170JS	1mL	1000ug/mL	Hexane (Ampule)
F2170AS	5mL	100ug/mL	Hexane (Ampule)
F2170ARPS	5x1mL	100ug/mL	Hexane (Ampule)
F2170AJS	1mL	100ug/mL	Hexane (Ampule)
F2170BS	5mL	500ug/mL	Acetone (Ampule)
F2170BRPS	5x1mL	500ug/mL	Acetone (Ampule)
F2170BJS	1mL	500ug/mL	Acetone (Ampule)

AROCHLORS, TOXAPHENE ^Æ & CHLORDANE SOLUTIONS KIT			
CLP QUICK TURNAROUND METHOD - PCB			
See page xx for complete analyte listing.			
5mL Solutions of each, 1000ug/mL in Hexane - (9 component kit)			
CTA608-1S	KIT		