Reference Standards



RESTEK

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Rev. date: 08/22

Description	CAS #	Conc. in Solvent	CRM?	DEA Status	Canadian Test Kit Registration	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
(+)Methamphetamine	51-57-0	1000 µg/mL in P&T methanol, 1 mL/ampul	Yes	Exempt		6 months	24 months	Ambient	10 °C or colder		ea.	34021
(s)-(-)-1,2,4-Butanetriol	42890-76-6	1000 µg/mL in pyridine, 1 mL/ampul	No			6 months	24 months	Ambient	10 °C or colder		ea.	33024
	42890-76-6	1000 µg/mL in pyridine, 5 mL/ampul	No			6 months	24 months	Ambient	10 °C or colder		ea.	33032
(±)11-nor-9-carboxy-D9-THC	104874-50-2	100 µg/mL in methanol, 1 mL/ampul	No	Not Controlled	T.K.# 71-050	6 months	24 months	On Ice	10 °C or colder		ea.	34068
1,1,1,2-Tetrachloroethane	630-20-6	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	0 °C or colder		ea.	30411
1,1,1-Trichloroethane	71-55-6	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	0 °C or colder		ea.	30418
	71-55-6	50 mg/mL in dimethyl sulfoxide, 1 mL/ampul	Yes			6 months	36 months	Ambient	10 °C or colder		ea.	36411
1,1,2,2-Tetrachloroethane	79-34-5	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	0 °C or colder		ea.	30412
1,1,2-Trichlorotrifluoroethane (CFC-113)	76-13-1	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	36 months	Ambient	0 °C or colder		ea.	30462
1,1-Dichloroethane	75-34-3	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	0 °C or colder		ea.	30276
1,1-Dichloroethene	75-35-4	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	0 °C or colder		ea.	30278
	75-35-4	40 mg/mL in dimethyl sulfoxide, 1 mL/ampul	Yes			6 months	36 months	Ambient	10 °C or colder		ea.	36287
1,2,3-Trichlorobenzene	87-61-6	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	0 °C or colder		ea.	30416
1,2,3-Trichloropropane	96-18-4	1000 µg/mL in methyl *tert*-butyl ether, 1 mL/ampul	Yes			6 months	36 months	Ambient	10 °C or colder		ea.	31648
	96-18-4	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	0 °C or colder		ea.	30429
1,2,4-Trichlorobenzene	120-82-1	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	10 °C or colder		ea.	31439
1,2,4-Trimethylbenzene	95-63-6	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	0 °C or colder		ea.	30422
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	0 °C or colder		ea.	30270
1,2-Dibromoethane	106-93-4	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	0 °C or colder		ea.	30272
1,2-Dichlorobenzene	95-50-1	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	10 °C or colder		ea.	31442
1,2-Dichlorobenzene-d4	2199-69-1	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	99 months	Ambient	0 °C or colder		ea.	30049
1,2-Dichloroethane	107-06-2	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	0 °C or colder		ea.	30277
	107-06-2	25 mg/mL in dimethyl sulfoxide, 1 mL/ampul	Yes			6 months	36 months	Ambient	10 °C or colder		ea.	36288
1,2-Dichloroethane-d4	17060-07-0	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	99 months	Ambient	0 °C or colder		ea.	30027
1,2-Dichloropropane	78-87-5	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	0 °C or colder		ea.	30281
1,2-Dichlorotetrafluoroethane (CFC-114)	76-14-2	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	80 months	Ambient	0 °C or colder		ea.	30476
1,2-Dimethoxyethane	110-71-4	0.5 mg/mL in dimethyl sulfoxide, 1 mL/ampul	Yes			6 months	36 months	Ambient	10 °C or colder		ea.	36291
1,2-Diphenylhydrazine	122-66-7	1000 µg/mL in methanol, 1 mL/ampul	Yes			3 months	12 months	Ambient	10 °C or colder	No	ea.	31497
1,3,5-Trichlorobenzene	108-70-3	1000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	10 °C or colder		ea.	31081
1,3,5-Trimethylbenzene	108-67-8	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	0 °C or colder		ea.	30423
1,3,5-Trinitrobenzene	99-35-4	1000 µg/mL in acetonitrile, 1 mL/ampul	Yes			6 months	56 months	Ambient	10 °C or colder		ea.	31668
1,3-Butadiene	106-99-0	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	36 months	Ambient	0 °C or colder		ea.	30622
1,3-Dichlorobenzene	541-73-1	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	10 °C or colder		ea.	31443
1,3-Dinitrobenzene	99-65-0	1000 µg/mL in acetonitrile, 1 mL/ampul	Yes			6 months	56 months	Ambient	10 °C or colder		ea.	31662
1,4-Butanediol	110-63-4	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	24 months	Ambient	10 °C or colder		ea.	34078
1,4-Dichlorobenzene	106-46-7	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	10 °C or colder		ea.	31444

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1,4-Dichlorobutane	110-56-5	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	0 °C or colder		ea.	30227
1,4-Difluorobenzene	540-36-3	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	0 °C or colder		ea.	30032
1,4-Dioxane	123-91-1	2000 µg/mL in methylene chloride, 1 mL/ampul	Yes			6 months	60 months	Ambient	0 °C or colder		ea.	31853
	123-91-1	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	0 °C or colder		ea.	30287
	123-91-1	1.9 mg/mL in dimethyl sulfoxide, 1 mL/ampul	Yes			6 months	36 months	Ambient	10 °C or colder		ea.	36294
1,4-Dioxane-d8	17647-74-4	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	36 months	Ambient	0 °C or colder		ea.	30614
1,6-HDIP	72375-27-0	1000 µg/mL in dimethyl sulfoxide, 1 mL/ampul	No			6 months	36 months	Ambient	10 °C or colder		ea.	33002
1-Bromo-2-chloroethane	107-04-0	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	0 °C or colder		ea.	30469
1-Bromo-2-nitrobenzene	577-19-5	1000 µg/mL in acetone, 1 mL/ampul	Yes			6 months	39 months	Ambient	10 °C or colder		ea.	32279
1-Bromo-4-fluorobenzene (BFB)	460-00-4	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	0 °C or colder		ea.	30026
	460-00-4	2500 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	0 °C or colder		ea.	30067
	460-00-4	10,000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	63 months	Ambient	0 °C or colder		ea.	30082
1-Butanol	71-36-3	50,000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	0 °C or colder		ea.	30474
1-Chloro-4-fluorobenzene	352-33-0	2500 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	0 °C or colder		ea.	30066
1-Chlorooctadecane	3386-33-2	10,000 µg/mL in methylene chloride, 1 mL/ampul	Yes			6 months	85 months	Ambient	10 °C or colder		ea.	31098
1-Chlorooctane	111-85-3	10,000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	85 months	Ambient	0 °C or colder		ea.	30084
1-Methylnaphthalene	90-12-0	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	71 months	Ambient	25 °C nominal		ea.	31283
2,2',3,4,4',5'-Hexachlorobiphenyl (BZ #138)	35065-28-2	10 µg/mL in isooctane, 1 mL/ampul	Yes			6 months	75 months	Ambient	25 °C nominal		ea.	32286
PCB 138	35065-28-2	50 µg/mL in acetonitrile, 5 mL/ampul	Yes			6 months	75 months	Ambient	10 °C or colder		ea.	33262
2,2',3,4,4',5,5'-Heptachlorobiphenyl (BZ #180)	35065-29-3	10 µg/mL in isooctane, 1 mL/ampul	Yes			6 months	75 months	Ambient	25 °C nominal		ea.	32288
PCB 153	35065-27-1	50 µg/mL in acetonitrile, 5 mL/ampul	Yes			6 months	75 months	Ambient	10 °C or colder		ea.	33263
2,2',4,5,5'-Pentachlorobiphenyl (BZ #101)	37680-73-2	10 µg/mL in isooctane, 1 mL/ampul	Yes			6 months	75 months	Ambient	25 °C nominal		ea.	32285
2,2',5,5'-Tetrachlorobiphenyl (BZ #52)	35693-99-3	10 µg/mL in isooctane, 1 mL/ampul	Yes			6 months	75 months	Ambient	25 °C nominal		ea.	32284
PCB 52	35693-99-3	50 µg/mL in acetonitrile, 5 mL/ampul	Yes			6 months	75 months	Ambient	10 °C or colder		ea.	33257
2,2-Dichloropropane	594-20-7	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	0 °C or colder		ea.	30283
2,3',4,4',5-Pentachlorobiphenyl (BZ #118)	31508-00-6	10 µg/mL in isooctane, 1 mL/ampul	Yes			6 months	75 months	Ambient	25 °C nominal		ea.	32293
2,3,4,6-Tetrachlorophenol	58-90-2	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	96 months	Ambient	10 °C or colder		ea.	31402
2,3-Dibromopropionic acid	600-05-5	1000 µg/mL in methyl *tert*-butyl ether, 1 mL/ampul	Yes			6 months	24 months	Ambient	10 °C or colder		ea.	31655
2,3-Dichloropropionic acid	565-64-0	1000 µg/mL in methyl *tert*-butyl ether, 1 mL/ampul	Yes			6 months	24 months	Ambient	10 °C or colder		ea.	31650
2,4'-DDD	53-19-0	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	52 months	Ambient	10 °C or colder		ea.	32098
2,4'-DDE	3424-82-6	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	52 months	Ambient	10 °C or colder		ea.	32099
2,4'-DDT	789-02-6	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	52 months	Ambient	10 °C or colder		ea.	32200
PCB 28	7012-37-5	50 µg/mL in acetonitrile, 5 mL/ampul	Yes			6 months	75 months	Ambient	10 °C or colder		ea.	33256
2,4,5,6-Tetrachloro-*m*-xylene	877-09-8	200 µg/mL in acetone, 1 mL/ampul	Yes			6 months	75 months	Ambient	10 °C or colder		ea.	32027
	877-09-8	200 µg/mL in acetone, 5 mL/ampul	Yes			6 months	75 months	Ambient	10 °C or colder		ea.	32028
2,4,5-T methyl ester	1928-37-6	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	84 months	Ambient	10 °C or colder		ea.	32244

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2,4,5-TP (Silvex)	93-72-1	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	18 months	Ambient	10 °C or colder		ea.	32245
2,4,5-TP (Silvex) methyl ester	4841-20-7	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	84 months	Ambient	10 °C or colder		ea.	32246
2,4,6-Tribromophenol	118-79-6	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	96 months	Ambient	10 °C or colder		ea.	31401
2,4,6-Trichlorophenol	88-06-2	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	96 months	Ambient	10 °C or colder		ea.	31400
2,4,6-Trinitrotoluene	118-96-7	1000 µg/mL in acetonitrile, 1 mL/ampul	Yes			6 months	56 months	Ambient	10 °C or colder		ea.	31669
2,4-D (2,4-Dichlorophe-noxyacetic acid)	94-75-7	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	18 months	Ambient	10 °C or colder		ea.	32239
2,4-D methyl ester	1928-38-7	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	84 months	Ambient	10 °C or colder		ea.	32240
2,4-DB	94-82-6	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	18 months	Ambient	10 °C or colder		ea.	32241
2,4-Dinitrophenol	51-28-5	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	96 months	Ambient	10 °C or colder		ea.	31291
2,4-Dinitrotoluene	121-14-2	1000 µg/mL in acetonitrile, 1 mL/ampul	Yes			6 months	56 months	Ambient	10 °C or colder		ea.	31663
2,4-TDIP	72375-21-4	1000 µg/mL in dimethyl sulfoxide, 1 mL/ampul	No			6 months	36 months	Ambient	10 °C or colder		ea.	33001
2,6-Dichlorophenol	87-65-0	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	96 months	Ambient	10 °C or colder		ea.	31409
2,6-Dinitrotoluene	606-20-2	1000 µg/mL in acetonitrile, 1 mL/ampul	Yes			6 months	56 months	Ambient	10 °C or colder		ea.	31664
2,6-TDIP	195625-39-9	1000 µg/mL in dimethyl sulfoxide, 1 mL/ampul	No			6 months	36 months	Ambient	10 °C or colder		ea.	33000
2-Bromo-1-chloropropane	3017-95-6	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	0 °C or colder		ea.	30226
2-Bromobutanoic acid	80-58-0	2000 µg/mL in methyl *tert*-butyl ether, 1 mL/ampul	Yes			6 months	24 months	Ambient	10 °C or colder		ea.	31881
2-Bromopropionic acid	598-72-1	1000 µg/mL in methyl *tert*-butyl ether, 1 mL/ampul	Yes			6 months	24 months	Ambient	10 °C or colder		ea.	31653
2-Butanone (MEK)	78-93-3	5000 µg/mL in P&T methanol/ Water (90:10), 1 mL/ampul	Yes			6 months	46 months	Ambient	0 °C or colder		ea.	30254
2-Chloroethanol	107-07-3	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	0 °C or colder		ea.	30264
2-Chloroethyl vinyl ether	110-75-8	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	0 °C or colder		ea.	30265
2-Chloronaphthalene	91-58-7	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	71 months	Ambient	25 °C nominal		ea.	31284
2-Ethoxyethanol	110-80-5	0.8 mg/mL in dimethyl sulfoxide, 1 mL/ampul	Yes			6 months	36 months	Ambient	10 °C or colder		ea.	36295
2-Fluorobiphenyl	321-60-8	2000 µg/mL in methylene chloride, 1 mL/ampul	Yes			6 months	34 months	Ambient	10 °C or colder		ea.	31091
	321-60-8	10,000 µg/mL in methylene chloride, 1 mL/ampul	Yes			6 months	71 months	Ambient	10 °C or colder		ea.	31096
2-Fluorophenol	367-12-4	2000 µg/mL in methylene chloride, 1 mL/ampul	Yes			6 months	45 months	Ambient	10 °C or colder		ea.	31047
2-Methoxyethanol	109-86-4	0.25 mg/mL in dimethyl sulfoxide, 1 mL/ampul	Yes			6 months	36 months	Ambient	10 °C or colder		ea.	36402
2-Methylnaphthalene	91-57-6	1000 µg/mL in methylene chloride, 1 mL/ampul	Yes			6 months	71 months	Ambient	25 °C nominal		ea.	31285
2-Nitropropane	79-46-9	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	0 °C or colder		ea.	30403
2-Propanol	67-63-0	50,000 µg/mL in water, 1 mL/ ampul	Yes			6 months	60 months	Ambient	10 °C or colder		ea.	30473
3,3'-Dichlorobenzidine	91-94-1	2000 µg/mL in methylene chloride, 1 mL/ampul	Yes			6 months	55 months	Ambient	10 °C or colder		ea.	31835
	91-94-1	2000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	55 months	Ambient	10 °C or colder		ea.	31026
3,4-MDMA HCl	64057-70-1	1000 µg/mL in methanol, 1 mL/ampul	Yes	Exempt		6 months	24 months	Ambient	10 °C or colder		ea.	34071
3,5-Dinitroaniline	618-87-1	1000 µg/mL in acetonitrile, 1 mL/ampul	Yes			6 months	55 months	Ambient	10 °C or colder		ea.	31661
3-Methylcholanthrene	56-49-5	2000 µg/mL in methylene chloride, 1 mL/ampul	Yes			3 months	12 months	Ambient	10 °C or colder		ea.	31996
3-Methylphenol	108-39-4	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	96 months	Ambient	10 °C or colder		ea.	31403
4,4'-DDD	72-54-8	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	52 months	Ambient	10 °C or colder		ea.	32201

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4,4'-DDE	72-55-9	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	52 months	Ambient	10 °C or colder		ea.	32202
4,4'-DDT	50-29-3	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	52 months	Ambient	10 °C or colder		ea.	32203
4,4'-Dibromobiphenyl	92-86-4	2000 µg/mL in methylene chloride, 1 mL/ampul	Yes			6 months	45 months	Ambient	10 °C or colder		ea.	31039
4,4'-MDIP	72375-24-7	1000 µg/mL in dimethyl sulfoxide, 1 mL/ampul	No			6 months	36 months	Ambient	10 °C or colder		ea.	33003
4,6-Dinitro-2-methylphenol (Dinitro-*o*-cresol)	534-52-1	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	96 months	Ambient	10 °C or colder		ea.	31292
4-Amino-2,6-dinitrotoluene	19406-51-0	1000 µg/mL in acetonitrile, 1 mL/ampul	Yes			6 months	56 months	Ambient	10 °C or colder		ea.	31671
4-Chloro-3-nitrobenzotrifluoride	121-17-5	1000 µg/mL in acetone, 1 mL/ampul	Yes			6 months	41 months	Ambient	10 °C or colder		ea.	32282
4-Methyl-2-pentanone (MIBK)	108-10-1	5000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	46 months	Ambient	0 °C or colder		ea.	30400
4-Nitrophenol	100-02-7	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	10 °C or colder		ea.	31296
4-Nitrotoluene	99-99-0	1000 µg/mL in acetonitrile, 1 mL/ampul	Yes			6 months	56 months	Ambient	10 °C or colder		ea.	31658
5-α-Androstane	438-22-2	2000 µg/mL in methylene chloride, 1 mL/ampul	Yes			6 months	41 months	Ambient	10 °C or colder		ea.	31065
1-Chloro-2-fluorobenzene	348-51-6	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	0 °C or colder		ea.	30040
Pentachloronitrobenzene	82-68-8	100 µg/mL in ethyl acetate, 1 mL/ampul	Yes			6 months	48 months	Ambient	10 °C or colder		ea.	32091
4,4'-Dibromobiphenyl	92-86-4	500 µg/mL in ethyl acetate, 1 mL/ampul	Yes			6 months	71 months	Ambient	10 °C or colder		ea.	32092
Nitrobenzene-d5	4165-60-0	2000 µg/mL in methylene chloride, 1 mL/ampul	Yes			6 months	70 months	Ambient	10 °C or colder		ea.	31044
4-Bromo-3,5-dimethylphenyl-N-methylcarbamate (BDMC)	672-99-1	100 µg/mL in methanol, 1 mL/ampul	Yes			6 months	24 months	Ambient	10 °C or colder		ea.	32274
1,4-Dinitrobenzene	100-25-4	2000 µg/mL in acetonitrile, 1 mL/ampul	Yes			6 months	36 months	Ambient	10 °C or colder		ea.	33205
3,4-Dinitrotoluene	610-39-9	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	10 °C or colder		ea.	31452
1,2-Dinitrobenzene	528-29-0	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	10 °C or colder		ea.	31453
cis-1,2-Dichloroethene	156-59-2	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	0 °C or colder		ea.	30279
cis-1,2-Dichloroethylene	156-59-2	4.67 mg/mL in dimethyl sulfoxide, 1 mL/ampul	Yes			6 months	36 months	Ambient	10 °C or colder		ea.	36289
cis-Chlordane	5103-71-9	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	52 months	Ambient	10 °C or colder		ea.	32207
m-Xylene	108-38-3	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	85 months	Ambient	0 °C or colder		ea.	30424
	108-38-3	6.51 mg/mL in dimethyl sulfoxide, 1 mL/ampul	Yes			6 months	36 months	Ambient	10 °C or colder		ea.	36414
n-Decane	124-18-5	Neat, 1 mL/ampul	Yes			6 months	85 months	Ambient	25 °C nominal		ea.	31858
n-Hexane	110-54-3	1.45 mg/mL** in dimethyl sulfoxide, 1 mL/ampul	Yes			6 months	36 months	Ambient	10 °C or colder		ea.	36299
n-Octacosane (C28)	630-02-4	10,000 µg/mL in methylene chloride, 1 mL/ampul	Yes			6 months	85 months	Ambient	10 °C or colder		ea.	31672
n-Tetracontane (C40)	4181-95-7	Neat, 100 mg	No			6 months	85 months	Ambient	25 °C nominal		ea.	31859
n-Triacontane-d62 (C30)	638-68-6	500 µg/mL in methylene chloride, 1 mL/ampul	Yes			6 months	85 months	Ambient	25 °C nominal		ea.	31816
o-Terphenyl	84-15-1	2000 µg/mL in acetone, 1 mL/ampul	Yes			6 months	71 months	Ambient	10 °C or colder		ea.	31066
	84-15-1	10,000 µg/mL in methylene chloride, 1 mL/ampul	Yes			6 months	43 months	Ambient	10 °C or colder		ea.	31097
o-Xylene	95-47-6	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	85 months	Ambient	0 °C or colder		ea.	30425
	95-47-6	0.97 mg/mL in dimethyl sulfoxide, 1 mL/ampul	Yes			6 months	36 months	Ambient	10 °C or colder		ea.	36415
p-Terphenyl	92-94-4	10,000 µg/mL in methylene chloride, 1 mL/ampul	Yes			6 months	71 months	Ambient	10 °C or colder		ea.	31095
p-Xylene	106-42-3	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	85 months	Ambient	0 °C or colder		ea.	30426
	106-42-3	1.52 mg/mL in dimethyl sulfoxide, 1 mL/ampul	Yes			6 months	36 months	Ambient	10 °C or colder		ea.	36416
tert-Amyl alcohol	75-85-4	10,000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	0 °C or colder		ea.	30631

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Description	CAS #	Conc. in Solvent	CRM?	DEA Status	Canadian Test Kit Registration	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
tert-Amyl ethyl ether (TAEE)	919-94-8	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	36 months	Ambient	0 °C or colder		ea.	30617
tert-Amyl methyl ether (TAME)	994-05-8	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	0 °C or colder		ea.	30629
tert-Butanol (TBA)	75-65-0	50,000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	36 months	Ambient	0 °C or colder		ea.	30470
tert-Butanol-d9	25725-11-5	20,000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	36 months	Ambient	0 °C or colder		ea.	30618
trans-1,2-Dichloroethene	156-60-5	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	0 °C or colder		ea.	30280
trans-1,2-Dichloroethylene	156-60-5	4.67 mg/mL in dimethyl sulfoxide, 1 mL/ampul	Yes			6 months	36 months	Ambient	10 °C or colder		ea.	36290
trans-1,4-Dichloro-2-butene	110-57-6	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	0 °C or colder		ea.	30274
trans-Chlordane	5103-74-2	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	48 months	Ambient	10 °C or colder		ea.	32227
Acenaphthene	83-32-9	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	71 months	Ambient	25 °C nominal		ea.	31267
Acenaphthylene	208-96-8	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	71 months	Ambient	25 °C nominal		ea.	31268
Acetaldehyde-2,4-DNPH	1019-57-4	100 µg/mL in acetonitrile, 1 mL/ampul	Yes			6 months	36 months	Ambient	10 °C or colder		ea.	33074
Acetochlor	34256-82-1	100 µg/mL in methanol, 1 mL/ampul	Yes			6 months	36 months	Ambient	10 °C or colder		ea.	33208
Acetone	67-64-1	5000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	39 months	Ambient	0 °C or colder		ea.	30245
Acetonitrile	75-05-8	1000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	45 months	Ambient	0 °C or colder		ea.	30495
	75-05-8	2.05 mg/mL in dimethyl sulfoxide, 1 mL/ampul	Yes			6 months	36 months	Ambient	10 °C or colder		ea.	36281
Acetophenone	98-86-2	5000 µg/mL in P&T methanol/Water (90:10), 1 mL/ampul	Yes			6 months	24 months	Ambient	0 °C or colder		ea.	30621
Acifluorfen	50594-66-6	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	18 months	Ambient	10 °C or colder		ea.	32255
Acrolein	107-02-8	5000 µg/mL in P&T methanol, 1 mL/ampul	Yes			1 month	3 months	On Ice	0 °C or colder		ea.	30645
	107-02-8	5000 µg/mL in water, 1 mL/ampul	Yes			6 months	18 months	On Ice	–20 °C or colder		ea.	30646
Acrylamide	79-06-1	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	24 months	Ambient	0 °C or colder		ea.	30494
Acrylamide-d3	122775-19-3	500 µg/mL in acetonitrile, 5 mL/ampul	Yes			6 months	24 months	Ambient	10 °C or colder		ea.	30153
Acrylonitrile	107-13-1	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	26 months	Ambient	0 °C or colder		ea.	30246
TFAA (trifluoroacetic acid anhydride)	407-25-0		No			12 months		Ambient	Ambient		10-pk. (10x1 g)	35618
PFAA (pentafluoropropionic acid anhydride)	356-42-3		No			6 months		Ambient	Ambient		10-pk. (10x1 g)	35620
	356-42-3		No			6 months		Ambient	Ambient		25 g vial	35621
HFAA (heptafluorobutyric acid anhydride)	336-59-4		No			6 months		Ambient	Ambient		10-pk. (10x1 g)	35622
	336-59-4		No			6 months		Ambient	Ambient		25 g vial	35623
PFPOH (pentafluoropropanol)	422-05-9		No			12 months		Ambient	Ambient		25 g vial	35625
Alachlor	15972-60-8	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	52 months	Ambient	10 °C or colder		ea.	32204
Aldrin	309-00-2	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	48 months	Ambient	10 °C or colder		ea.	32205
TMPAH	1899-02-1		No			12 months		Ambient	10 °C or colder		10-pk. (10x1 g)	35614
	1899-02-1		No			12 months		Ambient	10 °C or colder		25 g vial	35615
Alprazolam	28981-97-7	1000 µg/mL in P&T methanol, 1 mL/ampul	Yes	Exempt		6 months	24 months	Ambient	10 °C or colder		ea.	34042
Aminomethyl phosphonic acid (AMPA)	1066-51-9	100 µg/mL in DI water, 1 mL/ampul	No			6 months	18 months	Ambient	10 °C or colder		ea.	32428
Anilazine	101-05-3	100 µg/mL, Acetone, 1 mL/ampul	Yes			6 months	24 months	Ambient	10 °C or colder		ea.	32581
Aniline	62-53-3	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	26 months	Ambient	10 °C or colder		ea.	31470
Anthracene	120-12-7	1000 µg/mL in acetone, 1 mL/ampul	Yes			6 months	36 months	Ambient	25 °C nominal		ea.	31269
	120-12-7	100 µg/mL in acetonitrile, 5 mL/ampul	Yes			6 months	71 months	Ambient	10 °C or colder		ea.	33264

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Description	CAS #	Conc. in Solvent	CRM?	DEA Status	Canadian Test Kit Registration	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
Anthracene-d10	1719-06-08	2000 µg/mL in methylene chloride, 1 mL/ampul	Yes			6 months	71 months	Ambient	10 °C or colder		ea.	31037
Antifoam agent for purge-and-trap	N/A	Neat, 1 mL/vial	No			6 months	60 months	Ambient	25 °C nominal	No	ea.	31822
Triphenylphosphate	115-86-6	2 µg/mL in acetonitrile:acetic acid (99:1), 5 mL/ampul	Yes			6 months	36 months	Ambient	10 °C or colder		ea.	31964
Aprobarbital	77-02-1	1000 µg/mL in P&T methanol, 1 mL/ampul	Yes	Exempt		6 months	24 months	Ambient	10 °C or colder		ea.	34029
Aroclor 1016	12674-11-2	1000 µg/mL in hexane, 1 mL/ampul	Yes			6 months	75 months	Ambient	25 °C nominal		ea.	32006
Aroclor 1221	11104-28-2	1000 µg/mL in hexane, 1 mL/ampul	Yes			6 months	75 months	Ambient	25 °C nominal		ea.	32007
Aroclor 1232	11141-16-5	1000 µg/mL in hexane, 1 mL/ampul	Yes			6 months	75 months	Ambient	25 °C nominal		ea.	32008
Aroclor 1242	53469-21-9	1000 µg/mL in hexane, 1 mL/ampul	Yes			6 months	75 months	Ambient	25 °C nominal		ea.	32009
Aroclor 1248	12672-29-6	1000 µg/mL in hexane, 1 mL/ampul	Yes			6 months	75 months	Ambient	25 °C nominal		ea.	32010
Aroclor 1254	11097-69-1	1000 µg/mL in hexane, 1 mL/ampul	Yes			6 months	75 months	Ambient	25 °C nominal		ea.	32011
Aroclor 1260	11096-82-5	1000 µg/mL in hexane, 1 mL/ampul	Yes			6 months	75 months	Ambient	25 °C nominal		ea.	32012
Aroclor 1016/1260		1000 µg/mL in hexane, 1 mL/ampul	Yes			6 months	75 months	Ambient	25 °C nominal		ea.	32039
Aroclor 1016	12674-11-2	200 µg/mL in isooctane, 1 mL/ampul	Yes			6 months	75 months	Ambient	25 °C nominal		ea.	32064
Aroclor 1221	11104-28-2	200 µg/mL in isooctane, 1 mL/ampul	Yes			6 months	75 months	Ambient	25 °C nominal		ea.	32065
Aroclor 1232	11141-16-5	200 µg/mL in isooctane, 1 mL/ampul	Yes			6 months	75 months	Ambient	25 °C nominal		ea.	32066
Aroclor 1242	53469-21-9	200 µg/mL in isooctane, 1 mL/ampul	Yes			6 months	75 months	Ambient	25 °C nominal		ea.	32067
Aroclor 1248	12672-29-6	200 µg/mL in isooctane, 1 mL/ampul	Yes			6 months	75 months	Ambient	25 °C nominal		ea.	32068
Aroclor 1254	11097-69-1	200 µg/mL in isooctane, 1 mL/ampul	Yes			6 months	75 months	Ambient	25 °C nominal		ea.	32069
Aroclor 1260	11096-82-5	200 µg/mL in isooctane, 1 mL/ampul	Yes			6 months	75 months	Ambient	25 °C nominal		ea.	32070
Aroclor 1016	12674-11-2	50 mg/kg in transformer oil (PCB-free), 1 mL/ampul	Yes			6 months	75 months	Ambient	25 °C nominal		ea.	32075
	12674-11-2	500 mg/kg in transformer oil (PCB-free), 1 mL/ampul	Yes			6 months	75 months	Ambient	25 °C nominal		ea.	32076
Aroclor 1221	11104-28-2	50 mg/kg in transformer oil (PCB-free), 1 mL/ampul	Yes			6 months	75 months	Ambient	25 °C nominal		ea.	32077
	11104-28-2	500 mg/kg in transformer oil (PCB-free), 1 mL/ampul	Yes			6 months	75 months	Ambient	25 °C nominal		ea.	32078
Aroclor 1232	11141-16-5	50 mg/kg in transformer oil (PCB-free), 1 mL/ampul	Yes			6 months	75 months	Ambient	25 °C nominal		ea.	32079
	11141-16-5	500 mg/kg in transformer oil (PCB-free), 1 mL/ampul	Yes			6 months	75 months	Ambient	25 °C nominal		ea.	32080
Aroclor 1242	53469-21-9	50 mg/kg in transformer oil (PCB-free), 1 mL/ampul	Yes			6 months	75 months	Ambient	25 °C nominal		ea.	32081
	53469-21-9	500 mg/kg in transformer oil (PCB-free), 1 mL/ampul	Yes			6 months	75 months	Ambient	25 °C nominal		ea.	32082
Aroclor 1248	12672-29-6	50 mg/kg in transformer oil (PCB-free), 1 mL/ampul	Yes			6 months	75 months	Ambient	25 °C nominal		ea.	32083
	12672-29-6	500 mg/kg in transformer oil (PCB-free), 1 mL/ampul	Yes			6 months	75 months	Ambient	25 °C nominal		ea.	32084
Aroclor 1254	11097-69-1	50 mg/kg in transformer oil (PCB-free), 1 mL/ampul	Yes			6 months	75 months	Ambient	25 °C nominal		ea.	32085
	11097-69-1	500 mg/kg in transformer oil (PCB-free), 1 mL/ampul	Yes			6 months	75 months	Ambient	25 °C nominal		ea.	32086
Aroclor 1260	11096-82-5	50 mg/kg in transformer oil (PCB-free), 1 mL/ampul	Yes			6 months	75 months	Ambient	25 °C nominal		ea.	32087
	11096-82-5	500 mg/kg in transformer oil (PCB-free), 1 mL/ampul	Yes			6 months	75 months	Ambient	25 °C nominal		ea.	32088
Aroclor 1016/1260		200 µg/mL in isooctane, 1 mL/ampul	Yes			6 months	75 months	Ambient	25 °C nominal		ea.	32299
Aroclor 1262	37324-23-5	1000 µg/mL in hexane, 1 mL/ampul	Yes			6 months	75 months	Ambient	25 °C nominal		ea.	32409
Aroclor 1268	11100-14-4	1000 µg/mL in hexane, 1 mL/ampul	Yes			6 months	75 months	Ambient	25 °C nominal		ea.	32410

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Description	CAS #	Conc. in Solvent	CRM?	DEA Status	Canadian Test Kit Registration	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
Aroclor 1016/1260		400 µg/mL each in acetone, 1 mL/ampul	Yes			6 months	75 months	Ambient	10 °C or colder		ea.	32456
2,2,4-Trimethylpentane (isooctane)	540-84-1	5% vol/vol in nonane, 1 mL/ampul	Yes			6 months	60 months	Ambient	10 °C or colder		ea.	30671
Isobutylbenzene	538-93-2	1000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	85 months	Ambient	0 °C or colder		ea.	30613
Atrazine	1912-24-9	1000 µg/mL in acetone, 1 mL/ampul	Yes			6 months	44 months	Ambient	10 °C or colder		ea.	32208
Atrazine-d5	163165-75-1	100 µg/mL in acetonitrile, 1 mL/ampul	Yes			6 months	36 months	Ambient	10 °C or colder		ea.	31984
Aviation gas	8006-69-1	50,000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	85 months	Ambient	0 °C or colder		ea.	30207
Azobenzene	103-33-3	1000 µg/mL in methylene chloride, 1 mL/ampul	Yes			6 months	55 months	Ambient	10 °C or colder		ea.	31496
Barbital	57-44-3	1000 µg/mL in P&T methanol, 1 mL/ampul	Yes	Exempt		6 months	24 months	Ambient	10 °C or colder		ea.	34030
Benz[a]anthracene	56-55-3	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	71 months	Ambient	25 °C nominal		ea.	31270
Benzaldehyde	100-52-7	2000 µg/mL in methylene chloride, 1 mL/ampul	Yes			6 months	24 months	Ambient	10 °C or colder		ea.	33017
Benzene	71-43-2	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	0 °C or colder		ea.	30249
	71-43-2	250 µg/mL in methylene chloride, 1 mL/ampul	Yes			6 months	36 months	Ambient	10 °C or colder		ea.	35262
	71-43-2	10 mg/mL in dimethyl sulfoxide, 1 mL/ampul	Yes			6 months	36 months	Ambient	10 °C or colder		ea.	36282
Benzene-d6	1076-43-3	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	0 °C or colder		ea.	30025
Benzidine	92-87-5	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	55 months	Ambient	10 °C or colder		ea.	31441
Benzo[a]pyrene	50-32-8	1000 µg/mL in acetone, 1 mL/ampul	Yes			6 months	71 months	Ambient	10 °C or colder		ea.	31271
Benzo[b]fluoranthene	205-99-2	1000 µg/mL in acetone, 1 mL/ampul	Yes			6 months	71 months	Ambient	25 °C nominal		ea.	31272
Benzo[g,h,i]perylene	191-24-2	1000 µg/mL in methylene chloride, 1 mL/ampul	Yes			6 months	71 months	Ambient	10 °C or colder		ea.	31273
Benzo[k]fluoranthene	207-08-9	1000 µg/mL in acetone, 1 mL/ampul	Yes			6 months	71 months	Ambient	10 °C or colder		ea.	31274
Benzoic acid	65-85-0	2000 µg/mL in methylene chloride, 1 mL/ampul	Yes			6 months	48 months	Ambient	10 °C or colder		ea.	31879
	65-85-0	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	10 °C or colder		ea.	31415
Benzphetamine	5411-22-3	1000 µg/mL in P&T methanol, 1 mL/ampul	Yes	Exempt		6 months	24 months	Ambient	10 °C or colder		ea.	34022
Benzyl benzoate	120-51-4	5000 µg/mL in hexane, 1 mL/ampul	Yes			6 months	38 months	Ambient	10 °C or colder		ea.	31847
Bis(2-ethylhexyl)adipate	103-23-1	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	10 °C or colder		ea.	31449
Bis(2-ethylhexyl)phthalate	117-81-7	1000 µg/mL in methylene chloride, 1 mL/ampul	Yes			6 months	60 months	Ambient	10 °C or colder		ea.	31420
Boron trifluoride	7637-07-2	14% in methanol, 5 mL/bottle	No					Ambient	2–8 °C	No	ea.	35626
Bromacil	314-40-9	100 µg/mL, Acetonitrile, 1 mL/ampul	Yes			6 months	24 months	Ambient	10 °C or colder		ea.	32576
Bromazepam	1812-30-2	1000 µg/mL in P&T methanol, 1 mL/ampul	Yes	Exempt		6 months	24 months	Ambient	10 °C or colder		ea.	34043
Bromobenzene	108-86-1	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	0 °C or colder		ea.	30250
Bromochloromethane	74-97-5	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	0 °C or colder		ea.	30225
Bromodichloromethane	75-27-4	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	0 °C or colder		ea.	30251
Bromoform	75-25-2	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	0 °C or colder		ea.	30252
Bromomethane	74-83-9	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	80 months	Ambient	0 °C or colder		ea.	30253
Butabarbital	125-40-6	1000 µg/mL in P&T methanol, 1 mL/ampul	Yes	Exempt		6 months	24 months	Ambient	10 °C or colder		ea.	34031
Butachlor ESA sodium salt		100 µg/mL in methanol, 1 mL/ampul	No			6 months	36 months	Ambient	25 °C nominal		ea.	33202
Butalbital	77-26-9	1000 µg/mL in P&T methanol, 1 mL/ampul	Yes	Exempt		6 months	24 months	Ambient	10 °C or colder		ea.	34032
n-Pentacontane (C50)	6596-40-3	10 µg/mL in toluene, 1 mL/ampul	Yes			6 months	84 months	Ambient	25 °C nominal		ea.	31685

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Description	CAS #	Conc. in Solvent	CRM?	DEA Status	Canadian Test Kit Registration	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
Caffeine	58-08-2	500 µg/mL in water, 1 mL/ampul	Yes			6 months	36 months	Ambient	10 °C or colder		ea.	31800
	58-08-2	250 µg/mL in water, 1 mL/ampul	Yes			6 months	36 months	Ambient	10 °C or colder		ea.	31801
	58-08-2	125 µg/mL in water, 1 mL/ampul	Yes			6 months	36 months	Ambient	10 °C or colder		ea.	31802
	58-08-2	25 µg/mL in water, 1 mL/ampul	Yes			6 months	36 months	Ambient	10 °C or colder		ea.	31803
	58-08-2	5 µg/mL in water, 1 mL/ampul	Yes			6 months	36 months	Ambient	10 °C or colder		ea.	31804
	58-08-2	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	24 months	Ambient	10 °C or colder		ea.	34084
Cannabichromene (CBC)	20675-51-8	1000 µg/mL in P&T methanol, 1 mL/ampul	Yes	Not Controlled	T.K.# 71-053	6 months	36 months	On Ice	10 °C or colder		ea.	34092
Cannabichromenic Acid (CBCA) Standard	185505-15-1	1000 µg/mL, Acetonitrile with 1% DIPEA and 0.05% Ascorbic Acid, 1 mL/ampul	Yes	Not Controlled	C.T.K.# 003-010	6 months	24 months	On Ice	–20 °C or colder		ea.	34137
Cannabicyclol (CBL)	21366-63-2	1000 µg/mL in P&T methanol, 1 mL/ampul	Yes	Not Controlled	C.T.K.# 3-003	6 months	24 months	On Ice	–20 °C or colder		ea.	34130
Cannabicyclolic Acid (CBLA) Standard	40524-99-0	500 µg/mL, Acetonitrile with 1% DIPEA and 0.05% Ascorbic Acid, 1 mL/ampul	Yes	Not Controlled	C.T.K.# 003-014	6 months	24 months	On Ice	–20 °C or colder		ea.	34136
Cannabidiol (CBD)	13956-29-1	1000 µg/mL in P&T methanol, 1 mL/ampul	Yes	Not Controlled	T.K.# 71-047	6 months	24 months	On Ice	10 °C or colder		ea.	34011
Cannabidiolic Acid (CBDA)	1244-58-2	1000 µg/mL in acetonitrile, 1 mL/ampul	Yes	Not Controlled	T.K.# 71-055	6 months	18 months	On Ice	–20 °C or colder		ea.	34094
Cannabidivarin (CBDV)	24274-48-4	1000 µg/mL in P&T methanol, 1 mL/ampul	Yes	Not Controlled	C.T.K.# 3-001	6 months	18 months	On Ice	–20 °C or colder		ea.	34123
Cannabidivarinic Acid (CBDVA)	31932-13-5	1000 µg/mL in acetonitrile, 1 mL/ampul	Yes	Not Controlled	C.T.K.# 003-005	6 months	18 months	On Ice	–20 °C or colder		ea.	34134
Cannabigerol (CBG)	25654-31-3	1000 µg/mL in P&T methanol, 1 mL/ampul	Yes	Not Controlled	T.K.# 71-052	6 months	36 months	On Ice	10 °C or colder		ea.	34091
Cannabigerolic Acid (CBGA)	25555-57-1	1000 µg/mL in acetonitrile, 1 mL/ampul	Yes	Not Controlled	C.T.K.# 003-006	6 months	18 months	On Ice	–20 °C or colder		ea.	34135
Cannabinol (CBN)	521-35-7	1000 µg/mL in P&T methanol, 1 mL/ampul	Yes	Not Controlled	T.K.# 71-046	6 months	24 months	On Ice	10 °C or colder		ea.	34010
Cannabinolic Acid (CBNA) Standard	2808-39-1	1000 µg/mL, Acetonitrile with 1% DIPEA and 0.05% Ascorbic Acid, 1 mL/ampul	Yes	Not Controlled	C.T.K.# 003-011	6 months	24 months	On Ice	–20 °C or colder		ea.	34138
Captan	133-06-2	100 µg/mL, Acetonitrile, 1 mL/ampul	Yes			6 months	36 months	Ambient	10 °C or colder		ea.	32583
Carbaryl-d7	362049-56-7	100 µg/mL in acetonitrile, 1 mL/ampul	Yes			6 months	31 months	Ambient	10 °C or colder		ea.	31985
Carbazole	86-74-8	1000 µg/mL in methylene chloride (methanol free), 1 mL/ampul	Yes			6 months	55 months	Ambient	10 °C or colder		ea.	31836
	86-74-8	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	55 months	Ambient	10 °C or colder		ea.	31430
Carbon disulfide	75-15-0	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	0 °C or colder		ea.	30258
Carbon tetrachloride	56-23-5	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	63 months	Ambient	0 °C or colder		ea.	30259
	56-23-5	20 mg/mL in dimethyl sulfoxide, 1 mL/ampul	Yes			6 months	36 months	Ambient	10 °C or colder		ea.	36283
Chloral hydrate	302-17-0	1000 µg/mL in acetonitrile, 1 mL/ampul	Yes	Exempt		3 months	12 months	Ambient	0 °C or colder		ea.	30609
Chlordane	57-74-9	2000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	35 months	Ambient	10 °C or colder		ea.	32016
	57-74-9	1000 µg/mL in hexane, 1 mL/ampul	Yes			6 months	75 months	Ambient	10 °C or colder		ea.	32021
	57-74-9	5000 µg/mL in isooctane, 1 mL/ampul	Yes			6 months	48 months	Ambient	10 °C or colder		ea.	32072
Chlordiazepoxide	438-41-5	1000 µg/mL in P&T methanol, 1 mL/ampul	Yes	Exempt		6 months	24 months	Ambient	10 °C or colder		ea.	34044
Chlorobenzene	108-90-7	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	0 °C or colder		ea.	30261
Chlorobenzene-d5	3114-55-4	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	0 °C or colder		ea.	30223
Chlorobenzilate	510-15-6	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	36 months	Ambient	10 °C or colder		ea.	32211
Chloroethane	75-00-3	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	80 months	Ambient	0 °C or colder		ea.	30263

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Description	CAS #	Conc. in Solvent	CRM?	DEA Status	Canadian Test Kit Registration	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
Chloroform	67-66-3	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	0 °C or colder		ea.	30266
	67-66-3	0.3 mg/mL in dimethyl sulfoxide, 1 mL/ampul	Yes			6 months	36 months	Ambient	10 °C or colder		ea.	36285
Chloromethane	74-87-3	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	80 months	Ambient	0 °C or colder		ea.	30267
Chloroprene	126-99-8	5000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	66 months	Ambient	0 °C or colder		ea.	30238
Chlorpyrifos	2921-88-2	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	39 months	Ambient	10 °C or colder		ea.	32212
Chrysene	218-01-9	1000 µg/mL in acetone, 1 mL/ampul	Yes			6 months	71 months	Ambient	25 °C nominal		ea.	31275
Clobazam	22316-47-8	1000 µg/mL in P&T methanol, 1 mL/ampul	Yes	Exempt		6 months	24 months	Ambient	10 °C or colder		ea.	34045
Clonazepam	1622-61-3	1000 µg/mL in P&T methanol, 1 mL/ampul	Yes	Exempt		6 months	24 months	Ambient	10 °C or colder		ea.	34046
Cocaethylene	529-38-4	1000 µg/mL in acetonitrile, 1 mL/ampul	Yes	Exempt		6 months	24 months	Ambient	10 °C or colder		ea.	34066
Cocaine	53-21-4	1000 µg/mL in P&T methanol, 1 mL/ampul	Yes	Exempt		6 months	24 months	Ambient	10 °C or colder		ea.	34015
Codeine	76-57-3	1000 µg/mL in P&T methanol, 1 mL/ampul	Yes	Exempt		6 months	24 months	Ambient	10 °C or colder		ea.	34000
Cotinine	486-56-6	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	24 months	Ambient	10 °C or colder		ea.	34086
Creosote oil	8001-58-9	50,000 µg/mL in methylene chloride, 1 mL/ampul	Yes			6 months	95 months	Ambient	25 °C nominal		ea.	31838
Cyclohexane	110-82-7	19.4 mg/mL in dimethyl sulfoxide, 1 mL/ampul	Yes			6 months	36 months	Ambient	10 °C or colder		ea.	36286
d-Amphetamine	51-63-8	1000 µg/mL in P&T methanol, 1 mL/ampul	Yes	Exempt		6 months	24 months	Ambient	10 °C or colder		ea.	34020
d8-Tetrahydrocannabinol (d8-THC)	5957-75-5	1000 µg/mL in P&T methanol, 1 mL/ampul	Yes	Exempt	T.K.# 71-051	6 months	24 months	On Ice	10 °C or colder		ea.	34090
d9-Tetrahydrocannabinol (d9-THC)	1972-08-3	1000 µg/mL in methanol, 1 mL/ampul	Yes	Exempt	T.K.# 71-049	6 months	24 months	On Ice	10 °C or colder		ea.	34067
d9-Tetrahydrocannabinolic acid A (THCA-A)	23978-85-0	1000 µg/mL in acetonitrile, 1 mL/ampul	Yes	Exempt	C.T.K.# 002-011	6 months	36 months	On Ice	–20 °C or colder	No	ea.	34111
Dalapon	75-99-0	2000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	18 months	Ambient	10 °C or colder		ea.	32056
	75-99-0	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	18 months	Ambient	10 °C or colder		ea.	32253
	75-99-0	1000 µg/mL in acetonitrile, 1 mL/ampul	Yes			6 months	24 months	Ambient	10 °C or colder		ea.	32432
Dalapon methyl ester	17640-02-7	2000 µg/mL in hexane, 1 mL/ampul	Yes			6 months	84 months	Ambient	10 °C or colder		ea.	32057
	17640-02-7	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	84 months	Ambient	10 °C or colder		ea.	32254
DCPA methyl ester (Chlorthal-dimethyl)	1861-32-1	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	66 months	Ambient	10 °C or colder		ea.	32216
Decachlorobiphenyl (BZ #209)	2051-24-3	200 µg/mL in acetone, 1 mL/ampul	Yes			6 months	75 months	Ambient	25 °C nominal		ea.	32029
	2051-24-3	200 µg/mL in acetone, 5 mL/ampul	Yes			6 months	75 months	Ambient	25 °C nominal		ea.	32030
	2051-24-3	10 µg/mL in isooctane, 1 mL/ampul	Yes			6 months	75 months	Ambient	25 °C nominal		ea.	32289
Decafluorobiphenyl	434-90-2	1000 µg/mL in acetonitrile, 1 mL/ampul	Yes			6 months	71 months	Ambient	25 °C nominal		ea.	31842
	434-90-2	1000 µg/mL in acetone, 1 mL/ampul	Yes			6 months	71 months	Ambient	10 °C or colder		ea.	31855
	434-90-2	2000 µg/mL in methylene chloride, 1 mL/ampul	Yes			6 months	71 months	Ambient	10 °C or colder		ea.	31041
Desethylatrazine	6190-65-4	1000 µg/mL in acetone, 1 mL/ampul	Yes			6 months	36 months	Ambient	10 °C or colder		ea.	32445
Dextro-propoxyphene	1639-60-7	1000 µg/mL in P&T methanol, 1 mL/ampul	Yes	Exempt		6 months	24 months	Ambient	10 °C or colder		ea.	34008
Dextromethorphan HBr monohydrate	6700-34-1	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	24 months	Ambient	10 °C or colder		ea.	34081
Diazepam	439-14-5	1000 µg/mL in P&T methanol, 1 mL/ampul	Yes	Exempt		6 months	24 months	Ambient	10 °C or colder		ea.	34047
Diazinon-d10 (diethyl-d10)	100155-47-3	100 µg/mL in acetonitrile, 1 mL/ampul	Yes			6 months	36 months	Ambient	10 °C or colder		ea.	31986
Dibenz[a,h]anthracene	53-70-3	1000 µg/mL in methylene chloride, 1 mL/ampul	Yes			6 months	71 months	Ambient	25 °C nominal		ea.	31276

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Description	CAS #	Conc. in Solvent	CRM?	DEA Status	Canadian Test Kit Registration	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
Dibromochloromethane (chlorodibromomethane)	124-48-1	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	67 months	Ambient	0 °C or colder		ea.	30271
Dibutylchlorendate	1770-80-5	200 µg/mL in acetone, 1 mL/ampul	Yes			6 months	38 months	Ambient	10 °C or colder		ea.	32025
Dicamba	1918-00-9	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	18 months	Ambient	10 °C or colder		ea.	32247
Dichlorodifluoromethane (CFC-12)	75-71-8	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	80 months	Ambient	0 °C or colder		ea.	30275
Dichlorvos-d6	203645-53-8	100 µg/mL in acetone, 1 mL/ampul	Yes			3 months	12 months	Ambient	10 °C or colder		ea.	31987
Dicofol	115-32-2	100 µg/mL, Toluene, 1 mL/ampul	Yes			6 months	36 months	Ambient	10 °C or colder		ea.	32574
Dieldrin	60-57-1	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	48 months	Ambient	10 °C or colder		ea.	32218
Diesel fuel #2: unweathered	68334-30-5	5000 µg/mL in methylene chloride, 1 mL/ampul	Yes			6 months	85 months	Ambient	25 °C nominal		ea.	31233
Diesel fuel #2: 25% weathered	68334-30-5	5000 µg/mL in methylene chloride, 1 mL/ampul	Yes			6 months	85 months	Ambient	25 °C nominal		ea.	31234
Diesel fuel #2: 50% weathered	68334-30-5	5000 µg/mL in methylene chloride, 1 mL/ampul	Yes			6 months	85 months	Ambient	25 °C nominal		ea.	31235
Diesel fuel #2: 75% weathered	68334-30-5	5000 µg/mL in methylene chloride, 1 mL/ampul	Yes			6 months	85 months	Ambient	25 °C nominal		ea.	31236
Diesel fuel #2 composite	68334-30-5	5000 µg/mL in methylene chloride, 1 mL/ampul	Yes			6 months	85 months	Ambient	25 °C nominal		ea.	31093
	68334-30-5	50,000 µg/mL in methylene chloride, 1 mL/ampul	Yes			6 months	85 months	Ambient	25 °C nominal		ea.	31258
	68334-30-5	50,000 µg/mL in methylene chloride, 5 mL/ampul	Yes			6 months	85 months	Ambient	25 °C nominal		ea.	31259
Diesel:biodiesel (80:20)	67784-80-9	5000 µg/mL in methylene chloride, 1 mL/ampul	Yes			6 months	48 months	Ambient	25 °C nominal		ea.	31880
Diethyl ether (ethyl ether)	60-29-7	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	0 °C or colder		ea.	30286
Diisopropyl ether (DIPE)	108-20-3	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	0 °C or colder		ea.	30627
Dimethachlor ESA sodium salt		100 µg/mL in methanol, 1 mL/ampul	No			6 months	36 months	Ambient	25 °C nominal		ea.	33203
Dimethoate-d6	1219794-81-6	100 µg/mL in acetonitrile, 1 mL/ampul	Yes			6 months	36 months	Ambient	10 °C or colder		ea.	31988
Dimethyldichlorosilane (DMDCS)	75-78-5	Neat, 25 mL/bottle	No					Ambient	10 °C or colder	No	ea.	31861
Dinoseb	88-85-7	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	18 months	Ambient	10 °C or colder		ea.	32251
Diolein (1,3-di[*cis*-octadecenoyl]glycerol)	2465-32-9	5000 µg/mL in pyridine, 1 mL/ampul	No			6 months	24 months	Ambient	10 °C or colder		ea.	33022
Diuron	330-54-1	200 µg/mL in acetonitrile, 1 mL/ampul	Yes			6 months	31 months	Ambient	10 °C or colder		ea.	32450
Diuron-d6	1007536-67-5	100 µg/mL in acetonitrile, 1 mL/ampul	Yes			6 months	31 months	Ambient	10 °C or colder		ea.	31989
DL-Glutethimide	18389-24-7	1000 µg/mL in P&T methanol, 1 mL/ampul	Yes	Exempt		6 months	24 months	Ambient	10 °C or colder		ea.	34058
DL152/06 Benzo[j] fluoranthene		200 µg/mL, Methylene Chloride, 1mL/ampul	Yes					Ambient	10 °C or colder		ea.	570951
Dodine	2439-10-3	100 µg/mL, Methanol, 1 mL/ampul	No			6 months	36 months	Ambient	10 °C or colder		ea.	32579
Ecgonine	5796-31-6	1000 µg/mL in P&T methanol, 1 mL/ampul	Yes	Exempt		6 months	24 months	Ambient	10 °C or colder		ea.	34017
EDDP perchlorate	66729-78-0	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	24 months	Ambient	10 °C or colder		ea.	34069
EGDN	628-96-6	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	10 °C or colder		ea.	31601
Endosulfan I	959-98-8	1000 µg/mL in acetone, 1 mL/ampul	Yes			6 months	44 months	Ambient	10 °C or colder		ea.	32465
Endosulfan II	33213-65-9	1000 µg/mL in acetone, 1 mL/ampul	Yes			6 months	44 months	Ambient	10 °C or colder		ea.	32466
endrin aldehyde	7421-93-4	1000 µg/mL in acetone, 1 mL/ampul	Yes			6 months	52 months	Ambient	10 °C or colder		ea.	32468
Endrin ketone	53494-70-5	1000 µg/mL in acetone, 1 mL/ampul	Yes			6 months	44 months	Ambient	10 °C or colder		ea.	32464
Endrin	72-20-8	1000 µg/mL in acetone, 1 mL/ampul	Yes			6 months	48 months	Ambient	10 °C or colder		ea.	32463
Pentachlorophenol-$^{13}C_6$	85380-74-1	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	10 °C or colder		ea.	32548

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Description	CAS #	Conc. in Solvent	CRM?	DEA Status	Canadian Test Kit Registration	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
Ethanol	64-17-5	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	0 °C or colder		ea.	30288
	64-17-5	10,000 µg/mL in DI water, 1 mL/ampul	Yes			6 months	40 months	Ambient	10 °C or colder		ea.	30466
Ethyl sulfate sodium salt (EtS)	546-74-7	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	36 months	Ambient	0 °C or colder		ea.	34103
Ethyl sulfate-d5 sodium salt (EtS-d5)	1329611-05-3	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	36 months	Ambient	0 °C or colder		ea.	34104
Ethyl-*tert*-butyl ether (ETBE)	637-92-3	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	0 °C or colder		ea.	30628
Ethyl-β-D-glucuronide (EtG)	17685-04-0	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	36 months	Ambient	0 °C or colder		ea.	34101
Ethyl-β-D-glucuronide-d5 (EtG-d5)	1135070-98-2	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	36 months	Ambient	0 °C or colder		ea.	34102
Ethylbenzene	100-41-4	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	0 °C or colder		ea.	30290
	100-41-4	1.84 mg/mL in dimethyl sulfoxide, 1 mL/ampul	Yes			6 months	36 months	Ambient	10 °C or colder		ea.	36296
Ethylbenzene-d10	25837-05-2	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	0 °C or colder		ea.	30029
Ethylene glycol	107-21-1	3.1 mg/mL in dimethyl sulfoxide, 1 mL/ampul	Yes			6 months	36 months	Ambient	10 °C or colder		ea.	36297
Ethylene oxide	75-21-8	50 mg/mL in methylene chloride, 1 mL/ampul	Yes			6 months	18 months	Ambient	0 °C or colder		ea.	30620
	75-21-8	500 µg/mL in dimethyl sulfoxide, 1 mL/ampul	Yes			6 months	60 months	Ambient	10 °C or colder		ea.	36005
	75-21-8	0.005% w/w in PEG-200, 5 mL/ampul	Yes			6 months	24 months	Ambient	10 °C or colder		ea.	30548
Fentanyl	437-38-7	1000 µg/mL in methanol, 1 mL/ampul	Yes	Exempt		6 months	24 months	Ambient	10 °C or colder		ea.	34082
n-Nonatriacontane (C39)	7194-86-7	3000 µg/mL in carbon disulfide, 1 mL/ampul	Yes			6 months	85 months	Ambient	25 °C nominal		ea.	31456
	7194-86-7	3000 µg/mL in carbon disulfide, 10 mL/ampul	Yes			6 months	85 months	Ambient	25 °C nominal		ea.	31877
2,4,5-Trichlorophenol	95-95-4	1000 µg/mL in acetone, 1 mL/ampul	Yes			6 months	90 months	Ambient	10 °C or colder		ea.	32017
Fluazinam	79622-59-6	100 µg/mL in acetonitrile, 1 mL/ampul	Yes			6 months	18 months	Ambient	10 °C or colder		ea.	31982
Flunitrazepam	1622-62-4	1000 µg/mL in P&T methanol, 1 mL/ampul	Yes	Exempt		6 months	24 months	Ambient	10 °C or colder		ea.	34049
Fluoranthene	206-44-0	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	71 months	Ambient	10 °C or colder		ea.	31277
Fluorobenzene	462-06-6	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	0 °C or colder		ea.	30030
Flurazepam	1172-18-5	1000 µg/mL in P&T methanol, 1 mL/ampul	Yes	Exempt		6 months	24 months	Ambient	10 °C or colder		ea.	34050
Folpet	133-07-3	100 µg/mL, Acetonitrile, 1 mL/ampul	Yes			6 months	36 months	Ambient	10 °C or colder		ea.	32584
Formaldehyde-2,4-DNPH	1081-15-8	100 µg/mL in acetonitrile, 1 mL/ampul	Yes			6 months	36 months	Ambient	0 °C or colder		ea.	33082
Formaldehyde-DNPH	1081-15-8	500 µg/mL in acetonitrile, 1 mL/ampul*	Yes			6 months	42 months	Ambient	0 °C or colder		ea.	31837
Formamide	75-12-7	1.1 mg/mL in dimethyl sulfoxide, 1 mL/ampul	Yes			6 months	36 months	Ambient	10 °C or colder		ea.	36298
Fuel oil # 4	68476-31-3	5000 µg/mL in methylene chloride, 1 mL/ampul	Yes			6 months	85 months	Ambient	25 °C nominal		ea.	31216
	68476-31-3	50,000 µg/mL in methylene chloride, 1 mL/ampul	Yes			6 months	85 months	Ambient	25 °C nominal		ea.	31244
Fuel oil # 6	68553-00-4	5000 µg/mL in methylene chloride, 1 mL/ampul	Yes			6 months	85 months	Ambient	25 °C nominal		ea.	31218
	68553-00-4	50,000 µg/mL in methylene chloride, 1 mL/ampul	Yes			6 months	85 months	Ambient	25 °C nominal		ea.	31248
	68553-00-4	50,000 µg/mL in methylene chloride, 5 mL/ampul	Yes			6 months	85 months	Ambient	25 °C nominal		ea.	31249
Glycerin	56-81-5	500 µg/mL in pyridine, 1 mL/ampul	Yes			6 months	24 months	Ambient	10 °C or colder		ea.	33020
2,2,2-trichloroethanol	115-20-8	10 mg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	36 months	Ambient	10 °C or colder		ea.	31894
Glycolaldehyde-2,4-DNPH		100 µg/mL in acetonitrile, 1 mL/ampul	Yes			6 months	36 months	Ambient	0 °C or colder		ea.	33091

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Description	CAS #	Conc. in Solvent	CRM?	DEA Status	Canadian Test Kit Registration	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
Glyphosate	1071-83-6	1000 µg/mL in DI water, 1 mL/ampul	Yes			6 months	36 months	Ambient	10 °C or colder		ea.	32426
	1071-83-6	1000 µg/mL in DI water, 5 mL/ampul	Yes			6 months	36 months	Ambient	10 °C or colder		ea.	32427
Heptachlor	76-44-8	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	48 months	Ambient	10 °C or colder		ea.	32228
Heptachlor epoxide (isomer B)	1024-57-3	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	52 months	Ambient	10 °C or colder		ea.	32230
4,4'-Dibromooctafluoro-biphenyl	10386-84-2	2000 µg/mL in methyl *tert*-butyl ether, 1 mL/ampul	Yes			6 months	71 months	Ambient	10 °C or colder		ea.	31856
	10386-84-2	250 µg/mL in hexane, 1 mL/ampul	Yes			6 months	71 months	Ambient	10 °C or colder		ea.	32053
	10386-84-2	2000 µg/mL in methylene chloride, 1 mL/ampul	Yes			6 months	71 months	Ambient	10 °C or colder		ea.	31040
2,4-Dichlorophenyl acetic acid methyl ester	55954-23-9	200 µg/mL in hexane, 1 mL/ampul	Yes			6 months	81 months	Ambient	10 °C or colder		ea.	32050
2,4-Dichlorophenylacetic acid	19719-28-9	200 µg/mL in methanol, 1 mL/ampul	Yes			6 months	33 months	Ambient	10 °C or colder		ea.	32049
	19719-28-9	1000 µg/mL in acetone, 1 mL/ampul	Yes			6 months	36 months	Ambient	10 °C or colder		ea.	32439
Hexachloro-1,3-butadiene	87-68-3	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	10 °C or colder		ea.	31435
Hexachlorobenzene	118-74-1	1000 µg/mL in acetone, 1 mL/ampul	Yes			6 months	60 months	Ambient	10 °C or colder		ea.	32231
Hexachlorocyclopen-tadiene	77-47-4	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	10 °C or colder		ea.	32232
Hexachloroethane	67-72-1	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	10 °C or colder		ea.	31436
Hexachlorophene	70-30-4	2000 µg/mL in methylene chloride, 1 mL/ampul	Yes			6 months	24 months	Ambient	10 °C or colder		ea.	31811
Hexobarbital	56-29-1	1000 µg/mL in P&T methanol, 1 mL/ampul	Yes	Exempt		6 months	24 months	Ambient	10 °C or colder		ea.	34033
HMX	2691-41-0	1000 µg/mL in acetonitrile, 1 mL/ampul	Yes			6 months	56 months	Ambient	10 °C or colder		ea.	31665
Hydraulic oil	64741-89-5	50,000 µg/mL in methylene chloride, 1 mL/ampul	Yes			6 months	95 months	Ambient	25 °C nominal		ea.	31839
Hydrocodone	34195-34-1	1000 µg/mL in P&T methanol, 1 mL/ampul	Yes	Exempt		6 months	24 months	Ambient	10 °C or colder		ea.	34002
Hydromorphone	71-68-1	1000 µg/mL in P&T methanol, 1 mL/ampul	Yes	Exempt		6 months	24 months	Ambient	10 °C or colder		ea.	34063
Indeno[1,2,3-cd]pyrene	193-39-5	1000 µg/mL in methylene chloride, 1 mL/ampul	Yes			6 months	71 months	Ambient	10 °C or colder		ea.	31279
Iodomethane	74-88-4	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	0 °C or colder		ea.	30292
Isobutyl alcohol	78-83-1	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	0 °C or colder		ea.	30293
Isopropylbenzene	98-82-8	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	0 °C or colder		ea.	30294
Jet fuel A	64742-47-8	5000 µg/mL in methylene chloride, 1 mL/ampul	Yes			6 months	85 months	Ambient	25 °C nominal		ea.	31215
	64742-47-8	50,000 µg/mL in methylene chloride, 1 mL/ampul	Yes			6 months	85 months	Ambient	25 °C nominal		ea.	31242
	64742-47-8	50,000 µg/mL in methylene chloride, 5 mL/ampul	Yes			6 months	85 months	Ambient	25 °C nominal		ea.	31243
JP-4 military fuel	94114-58-6	50,000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	85 months	Ambient	25 °C nominal		ea.	30472
	94114-58-6	5000 µg/mL in methylene chloride, 1 mL/ampul	Yes			6 months	85 months	Ambient	25 °C nominal		ea.	31219
	94114-58-6	50,000 µg/mL in methylene chloride, 1 mL/ampul	Yes			6 months	85 months	Ambient	25 °C nominal		ea.	31250
JP-5 military fuel	8008-20-6	50,000 µg/mL in methylene chloride, 1 mL/ampul	Yes			6 months	85 months	Ambient	25 °C nominal		ea.	31252
JP-8 military fuel	94114-58-6	50,000 µg/mL in methylene chloride, 1 mL/ampul	Yes			6 months	85 months	Ambient	25 °C nominal		ea.	31254
Kerosene: unweathered	84742-81-0	5000 µg/mL in methylene chloride, 1 mL/ampul	Yes			6 months	85 months	Ambient	25 °C nominal		ea.	31229
Kerosene: 25% weathered	84742-81-0	5000 µg/mL in methylene chloride, 1 mL/ampul	Yes			6 months	85 months	Ambient	25 °C nominal		ea.	31230
Kerosene: 50% weathered	84742-81-0	5000 µg/mL in methylene chloride, 1 mL/ampul	Yes			6 months	85 months	Ambient	25 °C nominal		ea.	31231
Kerosene: 75% weathered	84742-81-0	5000 µg/mL in methylene chloride, 1 mL/ampul	Yes			6 months	85 months	Ambient	25 °C nominal		ea.	31232

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Description	CAS #	Conc. in Solvent	CRM?	DEA Status	Canadian Test Kit Registration	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
Kerosene composite	84742-81-0	5000 µg/mL in methylene chloride, 1 mL/ampul	Yes			6 months	85 months	Ambient	25 °C nominal		ea.	31094
	84742-81-0	50,000 µg/mL in methylene chloride, 1 mL/ampul	Yes			6 months	85 months	Ambient	25 °C nominal		ea.	31256
	84742-81-0	50,000 µg/mL in methylene chloride, 5 mL/ampul	Yes			6 months	85 months	Ambient	25 °C nominal		ea.	31257
4-Chloroaniline	106-47-8	2000 µg/mL in methylene chloride, 1 mL/ampul	Yes			6 months	26 months	Ambient	10 °C or colder		ea.	31211
Vinyl chloride	75-01-4	2500 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	80 months	Ambient	0 °C or colder		ea.	30093
Carbendazim	10605-21-7	100 µg/mL each in methanol, 1 mL/ampul	Yes			6 months	18 months	Ambient	10 °C or colder		ea.	31981
Hydramethylnon	67485-29-4	100 µg/mL each in acetonitrile, 1 mL/ampul	Yes			6 months	18 months	Ambient	10 °C or colder		ea.	31979
Acetone	67-64-1	Neat, 1 mL/ampul	Yes			6 months	36 months	Ambient	10 °C or colder	No	ea.	30012
erbium perchlorate	14017-55-1	10 mg/mL in water, 5 mL/ampul	No			6 months	36 months	Ambient	10 °C or colder	No	ea.	31053
Methylenediphosphonic Acid (Medronic Acid)	1984-15-2	1760 µg/mL, Methanol (HPLC grade)/Water (50:50), 1mL/ampul	No			6 months	36 months	Ambient	10 °C or colder	No	ea.	32475
Lenacil	2164-08-1	100 µg/mL, Acetonitrile, 1 mL/ampul	Yes			6 months	24 months	Ambient	10 °C or colder		ea.	32577
Levorphanol (from levorphanol tartrate dihydrate)	77-07-6 (from 5985-38-6)	1000 µg/mL in P&T methanol, 1 mL/ampul	Yes	Exempt		6 months	24 months	Ambient	10 °C or colder		ea.	34003
Linuron-d6	1219804-76-8	100 µg/mL in acetonitrile, 1 mL/ampul	Yes			6 months	31 months	Ambient	10 °C or colder		ea.	31990
Lorazepam	846-49-1	1000 µg/mL in P&T methanol, 1 mL/ampul	Yes	Exempt		6 months	24 months	Ambient	10 °C or colder		ea.	34051
2,5-Dibromotoluene	615-59-8	1000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	85 months	Ambient	0 °C or colder		ea.	30435
	615-59-8	10,000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	0 °C or colder		ea.	30453
MCPA	94-74-6	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	18 months	Ambient	10 °C or colder		ea.	32269
MCPP	93-65-2	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	18 months	Ambient	10 °C or colder		ea.	32271
Melamine	108-78-1	1000 µg/mL in diethylamine:water (20:80), 1 mL/ampul	Yes			3 months	12 months	Ambient	10 °C or colder		ea.	33247
Meperidine	50-13-5	1000 µg/mL in P&T methanol, 1 mL/ampul	Yes	Exempt		6 months	24 months	Ambient	10 °C or colder		ea.	34004
Mephobarbital	115-38-8	1000 µg/mL in P&T methanol, 1 mL/ampul	Yes	Exempt		6 months	24 months	Ambient	10 °C or colder		ea.	34034
Meprobamate	57-53-4	1000 µg/mL in P&T methanol, 1 mL/ampul	Yes	Exempt		6 months	24 months	Ambient	10 °C or colder		ea.	34059
Methacrylonitrile	126-98-7	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	33 months	Ambient	0 °C or colder		ea.	30297
Methadone	1095-90-5	1000 µg/mL in P&T methanol, 1 mL/ampul	Yes	Exempt		6 months	24 months	Ambient	10 °C or colder		ea.	34005
Methanol	67-56-1	10,000 µg/mL in DI water, 1 mL/ampul	Yes			6 months	60 months	Ambient	10 °C or colder		ea.	30467
	67-56-1	15 mg/mL in dimethyl sulfoxide, 1 mL/ampul	Yes			6 months	36 months	Ambient	10 °C or colder		ea.	36401
Methapyrilene hydrochloride	135-23-9	2000 µg/mL in methylene chloride, 1 mL/ampul	Yes			6 months	18 months	Ambient	0 °C or colder		ea.	32460
Methaqualone	340-56-7	1000 µg/mL in P&T methanol, 1 mL/ampul	Yes	Exempt		6 months	24 months	Ambient	10 °C or colder		ea.	34064
p-Terphenyl-d14	1718-51-0	1000 µg/mL in methylene chloride, 1 mL/ampul	Yes			6 months	38 months	Ambient	10 °C or colder		ea.	31828
Methohexital	151-83-7	1000 µg/mL in P&T methanol, 1 mL/ampul	Yes	Exempt		6 months	24 months	Ambient	10 °C or colder		ea.	34035
Methoxychlor	72-43-5	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	44 months	Ambient	10 °C or colder		ea.	32233
Methyl *tert*-butyl ether (MTBE)	1634-04-4	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	0 °C or colder		ea.	30402
Methyl methacrylate	80-62-6	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	33 months	Ambient	0 °C or colder		ea.	30299
Methyl-2,3-dibromopropionate	1729-67-5	1000 µg/mL in methyl *tert*-butyl ether, 1 mL/ampul	Yes			6 months	24 months	Ambient	10 °C or colder		ea.	31656
Methylbutylketone	591-78-6	0.25 mg/mL in dimethyl sulfoxide, 1 mL/ampul	Yes			6 months	36 months	Ambient	10 °C or colder		ea.	36400
Methylcyclohexane	108-87-2	5.9 mg/mL in dimethyl sulfoxide, 1 mL/ampul	Yes			6 months	36 months	Ambient	10 °C or colder		ea.	36403

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Description	CAS #	Conc. in Solvent	CRM?	DEA Status	Canadian Test Kit Registration	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
Methylene chloride (dichloromethane)	75-09-2	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	0 °C or colder		ea.	30401
	75-09-2	3 mg/mL in dimethyl sulfoxide, 1 mL/ampul	Yes			6 months	36 months	Ambient	10 °C or colder		ea.	36404
Metolachlor ESA sodium salt	171118-09-5	100 µg/mL in methanol, 1 mL/ampul	No			6 months	36 months	Ambient	25 °C nominal		ea.	33200
Metribuzin	21087-64-9	1000 µg/mL in acetone, 1 mL/ampul	Yes			6 months	24 months	Ambient	10 °C or colder		ea.	32436
	21087-64-9	100 µg/mL, Acetonitrile, 1 mL/ampul	Yes			6 months	24 months	Ambient	10 °C or colder		ea.	32575
Mineral Spirits	64475-85-0	5000 µg/mL in methylene chloride, 1 mL/ampul	Yes			6 months	85 months	Ambient	25 °C nominal		ea.	31225
	64475-85-0	50,000 µg/mL in methylene chloride, 1 mL/ampul	Yes			6 months	85 months	Ambient	25 °C nominal		ea.	31260
	64475-85-0	50,000 µg/mL in methylene chloride, 5 mL/ampul	Yes			6 months	85 months	Ambient	25 °C nominal		ea.	31261
Monolein (1-mono[-*cis*-9-octadece-noyl]-rac-glycerol)	111-03-5	5000 µg/mL in pyridine, 1 mL/ampul	No			6 months	24 months	Ambient	10 °C or colder		ea.	33021
Monopalmitin	524-44-9	5000 µg/mL in pyridine, 1 mL/ampul	Yes			6 months	24 months	Ambient	10 °C or colder		ea.	33026
Morphine	6211-15-0	1000 µg/mL in P&T methanol, 1 mL/ampul	Yes	Exempt		6 months	24 months	Ambient	10 °C or colder		ea.	34006
Motor oil composite	64742-65-0	50,000 µg/mL in methylene chloride, 1 mL/ampul	Yes			6 months	85 months	Ambient	25 °C nominal		ea.	31464
N,N-Dimethylacetamide	127-19-5	5.45 mg/mL in dimethyl sulfoxide, 1 mL/ampul	Yes			6 months	36 months	Ambient	10 °C or colder		ea.	36292
N,N-Dimethylformamide	68-12-2	4.4 mg/mL in dimethyl sulfoxide, 1 mL/ampul	Yes			6 months	36 months	Ambient	10 °C or colder		ea.	36293
N-Methylpyrrolidone	872-50-4	2.65 mg/mL in dimethyl sulfoxide, 1 mL/ampul	Yes			6 months	36 months	Ambient	10 °C or colder		ea.	36405
N-Nitrosodi-*n*-propyl-amine-d14	93951-96-3	1000 µg/mL in methylene chloride, 1 mL/ampul	Yes			6 months	36 months	Ambient	10 °C or colder		ea.	33911
N-Nitrosodimethylamine	62-75-9	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	36 months	Ambient	10 °C or colder		ea.	31427
N-Nitrosodimethyl-amine-d6	17829-05-9	1000 µg/mL in methylene chloride, 1 mL/ampul	Yes			6 months	36 months	Ambient	10 °C or colder		ea.	33910
N-Nitrosodiphenylamine	86-30-6	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	36 months	Ambient	10 °C or colder		ea.	31429
Naphthalene	91-20-3	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	71 months	Ambient	25 °C nominal		ea.	31280
Naphthalene-d8	1146-65-2	2000 µg/mL in methylene chloride, 1 mL/ampul	Yes			6 months	71 months	Ambient	10 °C or colder		ea.	31043
Nicotine	54-11-5	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	24 months	Ambient	10 °C or colder		ea.	34085
Nitrazepam	146-22-5	1000 µg/mL in P&T methanol, 1 mL/ampul	Yes	Exempt		6 months	24 months	Ambient	10 °C or colder		ea.	34053
Nitrobenzene	98-95-3	1000 µg/mL in acetonitrile, 1 mL/ampul	Yes			6 months	56 months	Ambient	10 °C or colder		ea.	31657
Nitroglycerin	55-63-0	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	10 °C or colder		ea.	31498
Nitroguanidine	556-88-7	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	10 °C or colder		ea.	31602
Nitromethane	75-52-5	0.25 mg/mL in dimethyl sulfoxide, 1 mL/ampul	Yes			6 months	36 months	Ambient	10 °C or colder		ea.	36406
nor-Fentanyl oxalate	1609-66-1	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	24 months	Ambient	10 °C or colder		ea.	34083
Ochratoxin A	303-47-9	10 µg/mL, Acetonitrile, 1 mL/ampul	Yes			6 months	36 months	On Ice	0 °C or colder	No	ea.	34122
Oxazepam	604-75-1	1000 µg/mL in P&T methanol, 1 mL/ampul	Yes	Exempt		6 months	24 months	Ambient	10 °C or colder		ea.	34054
Oxycodone	124-90-3	1000 µg/mL in P&T methanol, 1 mL/ampul	Yes	Exempt		6 months	24 months	Ambient	10 °C or colder		ea.	34007
Oxymorphone	76-41-5	1000 µg/mL in P&T methanol, 1 mL/ampul	Yes	Exempt		6 months	24 months	Ambient	10 °C or colder		ea.	34065
Transformer oil (PCB-free)	64742-53-6	Neat, 5 mL	No			6 months	75 months	Ambient	25 °C nominal	No	ea.	32424
	64742-53-6	Neat, 50 mL	No			6 months	75 months	Ambient	25 °C nominal	No	ea.	32425
Poly (ethylene glycol) 200	25322-68-3	Neat, 10 mL/ampul	No			6 months	36 months	Ambient	25 °C nominal		ea.	30549
Poly (ethylene glycol) 400	25322-68-3	Neat, 10 mL/ampul	No			6 months	36 months	Ambient	25 °C nominal		ea.	30559
Pentachloroanisole	1825-21-4	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	24 months	Ambient	10 °C or colder		ea.	32268
Pentachloroethane	76-01-7	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	0 °C or colder		ea.	30404

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Description	CAS #	Conc. in Solvent	CRM?	DEA Status	Canadian Test Kit Registration	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
Pentachlorophenol	87-86-5	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	96 months	Ambient	10 °C or colder		ea.	31297
Pentacosane (C25)	629-99-2	10,000 µg/mL in methylene chloride, 1 mL/ampul	Yes			6 months	85 months	Ambient	25 °C nominal		ea.	31487
Pentafluorobenzene	363-72-4	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	0 °C or colder		ea.	30031
Pentafluorophenol	771-61-9	2000 µg/mL in methylene chloride, 1 mL/ampul	Yes			6 months	45 months	Ambient	10 °C or colder		ea.	31048
Pentazocine	64024-15-3	1000 µg/mL in P&T methanol, 1 mL/ampul	Yes	Exempt		6 months	24 months	Ambient	10 °C or colder		ea.	34062
Pentobarbital	76-74-4	1000 µg/mL in P&T methanol, 1 mL/ampul	Yes	Exempt		6 months	24 months	Ambient	10 °C or colder		ea.	34036
PETN (pentaerythritol tetranitrate)	78-11-5	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	10 °C or colder		ea.	31600
Perfluorotributylamine (PFTBA)	311-89-7	Neat, 1 mL/ampul	No			6 months	55 months	Ambient	0 °C or colder	No	ea.	30482
Phenanthrene	85-01-8	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	71 months	Ambient	25 °C nominal		ea.	31281
Phenanthrene-d10	1517-22-2	2000 µg/mL in methylene chloride, 1 mL/ampul	Yes			6 months	71 months	Ambient	10 °C or colder		ea.	31045
Phencyclidine	956-90-1	1000 µg/mL in P&T methanol, 1 mL/ampul	Yes	Exempt	T.K.# 71-056	6 months	24 months	Ambient	10 °C or colder		ea.	34027
Phendimetrazine	50-58-8	1000 µg/mL in P&T methanol, 1 mL/ampul	Yes	Exempt		6 months	24 months	Ambient	10 °C or colder		ea.	34025
Phenobarbital	50-06-6	1000 µg/mL in P&T methanol, 1 mL/ampul	Yes	Exempt		6 months	24 months	Ambient	10 °C or colder		ea.	34037
Phenol	108-95-2	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	96 months	Ambient	10 °C or colder		ea.	31298
Phenol-d6	13127-88-3	2000 µg/mL in methylene chloride, 1 mL/ampul	Yes			6 months	96 months	Ambient	10 °C or colder		ea.	31049
Phentermine	1197-21-3	1000 µg/mL in P&T methanol, 1 mL/ampul	Yes	Exempt		6 months	24 months	Ambient	10 °C or colder		ea.	34024
Picloram	1918-02-1	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	18 months	Ambient	10 °C or colder		ea.	32265
Picric acid	88-89-1	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	10 °C or colder		ea.	31499
Polywax 500	9002-88-4	Neat, 1 g	No			6 months	60 months	Ambient	25 °C nominal	No	ea.	36224
Polywax 655	9002-88-4	Neat, 1 g	No			6 months	60 months	Ambient	25 °C nominal	No	ea.	36225
Polywax 1,000	9002-88-4	Neat, 1 g	No			6 months	60 months	Ambient	25 °C nominal	No	ea.	36227
Prazepam	2955-38-6	1000 µg/mL in P&T methanol, 1 mL/ampul	Yes	Exempt	T.K.# 71-057	6 months	24 months	Ambient	10 °C or colder		ea.	34055
Propachlor	1918-16-7	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	39 months	Ambient	10 °C or colder		ea.	32235
Propionitrile	107-12-0	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	33 months	Ambient	0 °C or colder		ea.	30407
Pyrene	129-00-0	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	71 months	Ambient	25 °C nominal		ea.	31282
Pyrethrins	8003-34-7	100 µg/mL, Acetonitrile, 1 mL/ampul	Yes			6 months	24 months	Ambient	10 °C or colder		ea.	32578
Pyridine	110-86-1	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	45 months	Ambient	0 °C or colder		ea.	30409
	110-86-1	1 mg/mL in dimethyl sulfoxide, 1 mL/ampul	Yes			6 months	36 months	Ambient	10 °C or colder		ea.	36407
Pyridine-d5	7291-22-7	2000 µg/mL in methylene chloride, 1 mL/ampul	Yes			6 months	45 months	Ambient	10 °C or colder		ea.	31046
RDX	121-82-4	1000 µg/mL in acetonitrile, 1 mL/ampul	Yes			6 months	56 months	Ambient	10 °C or colder		ea.	31666
Secobarbital	76-73-3	1000 µg/mL in P&T methanol, 1 mL/ampul	Yes	Exempt		6 months	24 months	Ambient	10 °C or colder		ea.	34038
MSTFA (N-methyl-N-trimethylsilytrifluoroacetamide)	24589-78-4		No			12 months		Ambient	Ambient		10-pk. (10x1 g)	35600
	24589-78-4		No			12 months		Ambient	Ambient		25 g vial	35601
MSTFA w/1% TMCS (N-methyl-N-trimethylsilytrifluoroacetamide w/1% trimethylchlorosilane)	24589-78-4		No			12 months		Ambient	Ambient		10-pk. (10x1 g)	35602
	24589-78-4		No			12 months		Ambient	Ambient		25 g vial	35603
BSTFA (N,O-bis[trimethylsilyl]trifluoroacetamide)	25561-30-2		No			12 months		Ambient	Ambient		10-pk. (10x1 g)	35604
	25561-30-2		No			12 months		Ambient	Ambient		25 g vial	35605
BSTFA w/1% TMCS (N,O-bis[trimethylsilyltrifluoroacetamide] w/1% trimethylchlorosilane)	25561-30-2		No			12 months		Ambient	Ambient		10-pk. (10x1 g)	35606
	25561-30-2		No			12 months		Ambient	Ambient		25 g vial	35607

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Description	CAS #	Conc. in Solvent	CRM?	DEA Status	Canadian Test Kit Registration	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
MTBSTFA w/1% TBDMCS (N-methyl-N[*tert*-butyldimethylsilyl trifluoroacetamide] w/1% *tert*-butyldimethylchlorosilane)	77377-52-7		No			12 months		Ambient	Ambient		10-pk. (10x1 g)	35608
	77377-52-7		No			12 months		Ambient	Ambient		25 g vial	35610
TMCS (trimethylchlorosilane)	75-77-4		No			12 months		Ambient	Ambient		10-pk. (10x1 g)	35611
Simazine	122-34-9	1000 µg/mL in acetone, 1 mL/ampul	Yes			6 months	24 months	Ambient	10 °C or colder		ea.	32236
Stearyl stearate	2778-96-3	Neat, 100 mg	Yes			6 months	60 months	Ambient	10 °C or colder		ea.	31860
	2778-96-3	2000 µg/mL in cyclohexane, 10 mL/ampul (enough to check one Florisil cartridge)	No			6 months	36 months	Ambient	10 °C or colder		ea.	31636
	2778-96-3	2000 µg/mL in hexane, 10 mL/ampul	No			6 months	36 months	Ambient	10 °C or colder		ea.	31681
Stoddard solvent	8052-41-3	10,000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	85 months	Ambient	0 °C or colder		ea.	30487
Styrene	100-42-5	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	0 °C or colder		ea.	30410
Sulfolane	126-33-0	0.8 mg/mL in dimethyl sulfoxide, 1 mL/ampul	Yes			6 months	36 months	Ambient	10 °C or colder		ea.	36413
DFTPP (decafluorotriphenylphosphine)	5074-71-5	2500 µg/mL in methylene chloride, 1 mL/ampul	Yes			6 months	36 months	Ambient	10 °C or colder		ea.	31001
Talbutal	115-44-6	1000 µg/mL in P&T methanol, 1 mL/ampul	Yes	Exempt		6 months	24 months	Ambient	10 °C or colder		ea.	34039
Temazepam	846-50-4	1000 µg/mL in P&T methanol, 1 mL/ampul	Yes	Exempt		6 months	24 months	Ambient	10 °C or colder		ea.	34056
Tetra-*n*-propyltin	2176-98-9	2000 µg/mL in methylene chloride, 1 mL/ampul	No			6 months	36 months	Ambient	10 °C or colder		ea.	31474
Tetrachloroethene	127-18-4	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	0 °C or colder		ea.	30413
Tetrahydrocannabivarin (THCV)	31262-37-0	1000 µg/mL in methanol, 1 mL/ampul	Yes	Exempt	T.K.# 85-010	6 months	36 months	On Ice	–20 °C ± 10 °C		ea.	34100
Tetrahydrocannabivarinic Acid (THCVA) Standard	39986-26-0	1000 µg/mL, Acetonitrile with 1% DIPEA and 0.05% Ascorbic Acid, 1 mL/ampul	Yes	Not Controlled	C.T.K.# 003-012	6 months	24 months	On Ice	–20 °C or colder		ea.	34139
Tetrahydrofuran (THF)	109-99-9	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	0 °C or colder		ea.	30414
	109-99-9	3.6 mg/mL in dimethyl sulfoxide, 1 mL/ampul	Yes			6 months	36 months	Ambient	10 °C or colder		ea.	36408
Tetrahydrofuran-d8	1693-74-9	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	0 °C or colder		ea.	30112
Tetralin	119-64-2	0.5 mg/mL in dimethyl sulfoxide, 1 mL/ampul	Yes			6 months	36 months	Ambient	10 °C or colder		ea.	36409
Tetrapentyltin	3765-65-9	2000 µg/mL in methylene chloride, 1 mL/ampul	No			6 months	36 months	Ambient	10 °C or colder		ea.	31475
Tetryl	479-45-8	1000 µg/mL in acetonitrile, 1 mL/ampul	Yes			6 months	56 months	Ambient	10 °C or colder		ea.	31667
Thebaine	115-37-7	1000 µg/mL in P&T methanol, 1 mL/ampul	Yes	Exempt		6 months	24 months	Ambient	10 °C or colder		ea.	34009
Toluene	108-88-3	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	0 °C or colder		ea.	30415
	108-88-3	4.45 mg/mL in dimethyl sulfoxide, 1 mL/ampul	Yes			6 months	36 months	Ambient	10 °C or colder		ea.	36410
Toluene-d8	2037-26-5	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	0 °C or colder		ea.	30224
Toxaphene	8001-35-2	1000 µg/mL in hexane, 1 mL/ampul	Yes			6 months	51 months	Ambient	10 °C or colder		ea.	32005
	8001-35-2	2000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	51 months	Ambient	10 °C or colder		ea.	32015
	8001-35-2	5000 µg/mL in isooctane, 1 mL/ampul	Yes			6 months	51 months	Ambient	10 °C or colder		ea.	32071
Tri-*n*-propyltin chloride	995-25-5	2000 µg/mL in methylene chloride, 1 mL/ampul	No			6 months	36 months	Ambient	10 °C or colder		ea.	31476
Triazolam	28911-01-5	1000 µg/mL in P&T methanol, 1 mL/ampul	Yes	Exempt		6 months	24 months	Ambient	10 °C or colder		ea.	34057
Tributylphosphate	126-73-8	1000 µg/mL in acetone, 1 mL/ampul	Yes			6 months	71 months	Ambient	10 °C or colder		ea.	32280
Tributyltin chloride	1461-22-9	2000 µg/mL in methylene chloride, 1 mL/ampul	No			6 months	36 months	Ambient	10 °C or colder		ea.	31478

Continued

Description	CAS #	Conc. in Solvent	CRM?	DEA Status	Canadian Test Kit Registration	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
Tricaprin (1,2,3-tricapri-noylglycerol)	621-71-6	8000 µg/mL in pyridine, 1 mL/ampul	Yes			6 months	24 months	Ambient	10 °C or colder		ea.	33025
	621-71-6	8000 µg/mL in pyridine, 5 mL/ampul	Yes			6 months	24 months	Ambient	10 °C or colder		ea.	33033
Trichloroethene	79-01-6	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	0 °C or colder		ea.	30420
	79-01-6	0.4 mg/mL in dimethyl sulfoxide, 1 mL/ampul	Yes			6 months	36 months	Ambient	10 °C or colder		ea.	36412
Trichlorofluoromethane (CFC-11)	75-69-4	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	0 °C or colder		ea.	30421
Trifluralin	1582-09-8	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	39 months	Ambient	10 °C or colder		ea.	32238
Triolein (1,2,3-tri[*cis*-oct-adecenoyl]glycerol)	122-32-7	5000 µg/mL in pyridine, 1 mL/ampul	Yes			6 months	24 months	Ambient	10 °C or colder		ea.	33023
Tripentyltin chloride	3342-67-4	2000 µg/mL in methylene chloride, 1 mL/ampul	No			6 months	36 months	Ambient	10 °C or colder		ea.	31477
Triphenylphosphate	115-86-6	1000 µg/mL in acetone, 1 mL/ampul	Yes			6 months	71 months	Ambient	10 °C or colder		ea.	32281
	115-86-6	20 µg/mL in acetonitrile, 5 mL/ampul	Yes			6 months	71 months	Ambient	10 °C or colder		ea.	33258
Tris(1,3-dichloroisopropyl) phosphate	13674-87-8	50 µg/mL in acetonitrile, 5 mL/ampul	Yes			6 months	84 months	Ambient	10 °C or colder		ea.	33259
Tritridecanoin glyceride	26536-12-9	Neat, 100 mg/vial	No					Ambient	0 °C or colder	No	ea.	35627
Triundecanoin	13552-80-2	Neat, 100 mg/ampul	No					Ambient	0 °C or colder	No	ea.	35628
Unleaded gasoline: unweathered	8006-61-9	5000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	85 months	Ambient	0 °C or colder		ea.	30096
Unleaded gasoline: 25% weathered	8006-61-9	5000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	85 months	Ambient	0 °C or colder		ea.	30097
Unleaded gasoline: 50% weathered	8006-61-9	5000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	85 months	Ambient	0 °C or colder		ea.	30098
Unleaded gasoline: 75% weathered	8006-61-9	5000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	85 months	Ambient	0 °C or colder		ea.	30099
Unleaded gasoline: 99% weathered	8006-61-9	5000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	85 months	Ambient	0 °C or colder		ea.	30436
Unleaded gasoline composite	8006-61-9	2500 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	85 months	Ambient	0 °C or colder		ea.	30081
	8006-61-9	50,000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	85 months	Ambient	0 °C or colder		ea.	30205
	8006-61-9	50,000 µg/mL in P&T methanol, 5 mL/ampul	Yes			6 months	85 months	Ambient	0 °C or colder		ea.	30206
Used motor oil composite	70514-12-4	50,000 µg/mL in methylene chloride, 1 mL/ampul	Yes			6 months	85 months	Ambient	25 °C nominal		ea.	31465
Vinyl acetate	108-05-4	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	18 months	On Ice	–20 °C or colder		ea.	30216
Vinyl chloride	75-01-4	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	60 months	Ambient	0 °C or colder		ea.	30089
1-Bromo-4-fluorobenzene (BFB)	460-00-4	5000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	63 months	Ambient	0 °C or colder		ea.	30003
α,α,α-Trifluorotoluene	98-08-8	2000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	99 months	Ambient	0 °C or colder		ea.	30048
	98-08-8	2500 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	99 months	Ambient	0 °C or colder		ea.	30068
	98-08-8	10,000 µg/mL in P&T methanol, 1 mL/ampul	Yes			6 months	99 months	Ambient	0 °C or colder		ea.	30083
α-BHC	319-84-6	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	49 months	Ambient	10 °C or colder		ea.	32206
α-Methylene-γ-butyrolactone (AMGBL)	547-65-9	1000 µg/mL in acetonitrile, 1 mL/ampul	Yes			6 months	24 months	Ambient	10 °C or colder		ea.	34079
α-Terpineol	98-55-5	2000 µg/mL in methylene chloride, 1 mL/ampul	Yes			6 months	36 months	Ambient	10 °C or colder		ea.	33912
β-BHC	319-85-7	1000 µg/mL in acetone, 1 mL/ampul	Yes			6 months	52 months	Ambient	10 °C or colder		ea.	32209
γ-BHC (lindane)	58-89-9	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	48 months	Ambient	10 °C or colder		ea.	32226
γ-Butyrolactone (GBL)	96-48-0	1000 µg/mL in acetonitrile, 1 mL/ampul	Yes			6 months	24 months	Ambient	10 °C or colder		ea.	34077
γ-Valerolactone	108-29-2	1000 µg/mL in acetonitrile, 1 mL/ampul	Yes			6 months	24 months	Ambient	10 °C or colder		ea.	34080
δ-BHC	319-86-8	1000 µg/mL in methanol, 1 mL/ampul	Yes			6 months	52 months	Ambient	10 °C or colder		ea.	32217
ε-Caprolactam	105-60-2	2000 µg/mL in methylene chloride, 1 mL/ampul	Yes			6 months	24 months	Ambient	10 °C or colder		ea.	31833

418.1 Calibration Mix (3 components)

(C16) *n*-Hexadecane (544-76-3), 37.5% (v/v)
Chlorobenzene (108-90-7), 25.0%
2,2,4-Trimethylpentane (isooctane) (540-84-1), 37.5%

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
1 mL/ampul	Yes	6 months	65 months	Ambient	0 °C or colder	ea.	30080

501 Trihalomethane Mix (4 components)

Bromodichloromethane (75-27-4)
Bromoform (75-25-2)
Chloroform (67-66-3)
Dibromochloromethane (124-48-1)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
200 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	67 months	Ambient	0 °C or colder	ea.	30036
2000 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	67 months	Ambient	0 °C or colder	ea.	30211

502.2 Calibration Mix #1 (gases) (6 components)

Bromomethane (methyl bromide) (74-83-9)
Chloroethane (ethyl chloride) (75-00-3)
Chloromethane (methyl chloride) (74-87-3)
Dichlorodifluoromethane (CFC-12) (75-71-8)
Trichlorofluoromethane (CFC-11) (75-69-4)
Vinyl chloride (75-01-4)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
502.2 Calibration Mix #1 (gases)							
2000 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	80 months	Ambient	0 °C or colder	ea.	30042
502.2 Calibration Mix #1A							
200 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	80 months	Ambient	0 °C or colder	ea.	30439

502.2 Calibration Mix #2 (14 components)

Bromodichloromethane (75-27-4)
Bromoform (75-25-2)
Carbon tetrachloride (56-23-5)
Chloroform (67-66-3)
1,1-Dichloroethane (75-34-3)
1,1-Dichloroethene (75-35-4)
trans-1,2-Dichloroethene (156-60-5)
1,3-Dichloropropane (142-28-9)
2,2-Dichloropropane (594-20-7)
cis-1,3-Dichloropropene (10061-01-5)
trans-1,3-Dichloropropene (10061-02-6)
Methylene chloride (dichloromethane) (75-09-2)
1,1,1-Trichloroethane (71-55-6)
Trichloroethene (79-01-6)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	60 months	Ambient	0 °C or colder	ea.	30043

502.2 Calibration Mix #3 (14 components)

Bromochloromethane (74-97-5)
Dibromochloromethane (124-48-1)
1,2-Dibromo-3-chloropropane (96-12-8)
1,2-Dibromoethane (EDB) (106-93-4)
Dibromomethane (74-95-3)
1,2-Dichloroethane (107-06-2)
cis-1,2-Dichloroethene (156-59-2)
1,2-Dichloropropane (78-87-5)
1,1-Dichloropropene (563-58-6)
1,1,1,2-Tetrachloroethane (630-20-6)
1,1,2,2-Tetrachloroethane (79-34-5)
Tetrachloroethene (127-18-4)
1,1,2-Trichloroethane (79-00-5)
1,2,3-Trichloropropane (96-18-4)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	60 months	Ambient	0 °C or colder	ea.	30044

502.2 Calibration Mix #4 (9 components)

Benzene (71-43-2)
tert-Butylbenzene (98-06-6)
Chlorobenzene (108-90-7)
Isopropylbenzene (cumene) (98-82-8)
n-Propylbenzene (103-65-1)
Styrene (100-42-5)
Toluene (108-88-3)
1,3,5-Trimethylbenzene (108-67-8)
m-Xylene (108-38-3)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	60 months	Ambient	0 °C or colder	ea.	30045

502.2 Calibration Mix #5 (10 components)

Bromobenzene (108-86-1)
n-Butylbenzene (104-51-8)
sec-Butylbenzene (135-98-8)
2-Chlorotoluene (95-49-8)
1,3-Dichlorobenzene (541-73-1)
Ethylbenzene (100-41-4)
1,2,4-Trichlorobenzene (120-82-1)
1,2,4-Trimethylbenzene (95-63-6)
o-Xylene (95-47-6)
p-Xylene (106-42-3)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	85 months	Ambient	0 °C or colder	ea.	30046

502.2 Calibration Mix #6 (7 components)

4-Chlorotoluene (106-43-4)
1,2-Dichlorobenzene (95-50-1)
1,4-Dichlorobenzene (106-46-7)
Hexachlorobutadiene (87-68-3)
4-Isopropyltoluene (*p*-Cymene) (99-87-6)
Naphthalene (91-20-3)
1,2,3-Trichlorobenzene (87-61-6)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	60 months	Ambient	0 °C or colder	ea.	*30047*

502.2 Internal Standard Mix #2 (2 components)

2-Bromo-1-chloropropane (3017-95-6)
Fluorobenzene (462-06-6)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	60 months	Ambient	0 °C or colder	ea.	*30041*

502.2 MegaMix Standard (54 components)

Benzene (71-43-2)
Bromobenzene (108-86-1)
Bromochloromethane (74-97-5)
Bromodichloromethane (75-27-4)
Bromoform (75-25-2)
n-Butylbenzene (104-51-8)
sec-Butylbenzene (135-98-8)
tert-Butylbenzene (98-06-6)
Carbon tetrachloride (56-23-5)
Chlorobenzene (108-90-7)
Chloroform (67-66-3)
2-Chlorotoluene (95-49-8)
4-Chlorotoluene (106-43-4)
Dibromochloromethane (124-48-1)
1,2-Dibromo-3-chloropropane (DBCP) (96-12-8)
1,2-Dibromoethane (EDB) (106-93-4)
Dibromomethane (74-95-3)
1,2-Dichlorobenzene (95-50-1)
1,3-Dichlorobenzene (541-73-1)
1,4-Dichlorobenzene (106-46-7)
1,1-Dichloroethane (75-34-3)
1,2-Dichloroethane (107-06-2)
1,1-Dichloroethene (75-35-4)
cis-1,2-Dichloroethene (156-59-2)
trans-1,2-Dichloroethene (156-60-5)
1,2-Dichloropropane (78-87-5)
1,3-Dichloropropane (142-28-9)
2,2-Dichloropropane (594-20-7)
1,1-Dichloropropene (563-58-6)
cis-1,3-Dichloropropene (10061-01-5)
trans-1,3-Dichloropropene (10061-02-6)
Ethylbenzene (100-41-4)
Hexachloro-1,3-butadiene (hexachlorobutadiene) (87-68-3)
Isopropylbenzene (cumene) (98-82-8)
4-Isopropyltoluene (*p*-cymene) (99-87-6)
Methylene chloride (dichloromethane) (75-09-2)
Naphthalene (91-20-3)
n-Propylbenzene (103-65-1)
Styrene (100-42-5)
1,1,1,2-Tetrachloroethane (630-20-6)
1,1,2,2-Tetrachloroethane (79-34-5)
Tetrachloroethene (127-18-4)
Toluene (108-88-3)
1,2,3-Trichlorobenzene (87-61-6)
1,2,4-Trichlorobenzene (120-82-1)
1,1,1-Trichloroethane (71-55-6)
1,1,2-Trichloroethane (79-00-5)
Trichloroethene (79-01-6)
1,2,3-Trichloropropane (96-18-4)
1,2,4-Trimethylbenzene (95-63-6)
1,3,5-Trimethylbenzene (108-67-8)
m-Xylene (108-38-3)
o-Xylene (95-47-6)
p-Xylene (106-42-3)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
502.2 CAL200 MegaMix Mixture							
200 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	24 months	Ambient	0 °C or colder	ea.	*30432*
502.2 CAL2000 MegaMix Mixture							
2000 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	24 months	Ambient	0 °C or colder	ea.	*30431*

502.2 VOA Calibration Kit #1 (2000 µg/mL)

Contains 1 mL each of these mixtures.

30042: 502.2 Calibration Mix #1 (gases)
Bromomethane (methyl bromide) (74-83-9)
Chloroethane (ethyl chloride) (75-00-3)
Chloromethane (methyl chloride) (74-87-3)
Dichlorodifluoromethane (CFC-12) (75-71-8)
Trichlorofluoromethane (CFC-11) (75-69-4)
Vinyl chloride (75-01-4)

30043: 502.2 Calibration Mix #2
Bromodichloromethane (75-27-4)
Bromoform (75-25-2)
Carbon tetrachloride (56-23-5)
Chloroform (67-66-3)
1,1-Dichloroethane (75-34-3)
1,1-Dichloroethene (75-35-4)
trans-1,2-Dichloroethene (156-60-5)
1,3-Dichloropropane (142-28-9)
2,2-Dichloropropane (594-20-7)
cis-1,3-Dichloropropene (10061-01-5)
trans-1,3-Dichloropropene (10061-02-6)
Methylene chloride (dichloromethane) (75-09-2)
1,1,1-Trichloroethane (71-55-6)
Trichloroethene (79-01-6)

30044: 502.2 Calibration Mix #3
Bromochloromethane (74-97-5)
Dibromochloromethane (124-48-1)
1,2-Dibromo-3-chloropropane (96-12-8)
1,2-Dibromoethane (EDB) (106-93-4)
Dibromomethane (74-95-3)
1,2-Dichloroethane (107-06-2)
cis-1,2-Dichloroethene (156-59-2)
1,2-Dichloropropane (78-87-5)
1,1-Dichloropropene (563-58-6)
1,1,1,2-Tetrachloroethane (630-20-6)
1,1,2,2-Tetrachloroethane (79-34-5)
Tetrachloroethene (127-18-4)
1,1,2-Trichloroethane (79-00-5)
1,2,3-Trichloropropane (96-18-4)

30045: 502.2 Calibration Mix #4
Benzene (71-43-2)
tert-Butylbenzene (98-06-6)
Chlorobenzene (108-90-7)
Isopropylbenzene (cumene) (98-82-8)
n-Propylbenzene (103-65-1)
Styrene (100-42-5)
Toluene (108-88-3)
1,3,5-Trimethylbenzene (108-67-8)
m-Xylene (108-38-3)

30046: 502.2 Calibration Mix #5
Bromobenzene (108-86-1)
n-Butylbenzene (104-51-8)
sec-Butylbenzene (135-98-8)
2-Chlorotoluene (95-49-8)
1,3-Dichlorobenzene (541-73-1)
Ethylbenzene (100-41-4)
1,2,4-Trichlorobenzene (120-82-1)
1,2,4-Trimethylbenzene (95-63-6)
o-Xylene (95-47-6)
p-Xylene (106-42-3)

30047: 502.2 Calibration Mix #6
4-Chlorotoluene (106-43-4)
1,2-Dichlorobenzene (95-50-1)
1,4-Dichlorobenzene (106-46-7)
Hexachlorobutadiene (87-68-3)
4-Isopropyltoluene (*p*-Cymene) (99-87-6)
Naphthalene (91-20-3)
1,2,3-Trichlorobenzene (87-61-6)

Description	CRM?	Min Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
502.2 VOA Calibration Kit #1 (2000 ppm)	Yes	6 months	Ambient	0 °C or colder	kit	*30444*

502.2 VOA Calibration Kit #2 (2000 µg/mL)

Contains 1 mL each of these mixtures.

30042: 502.2 Calibration Mix #1 (gases)
Bromomethane (methyl bromide) (74-83-9)
Chloroethane (ethyl chloride) (75-00-3)
Chloromethane (methyl chloride) (74-87-3)
Dichlorodifluoromethane (CFC-12) (75-71-8)
Trichlorofluoromethane (CFC-11) (75-69-4)
Vinyl chloride (75-01-4)

30431: 502.2 MegaMix Standard
Benzene (71-43-2)
Bromobenzene (108-86-1)
Bromochloromethane (74-97-5)
Bromodichloromethane (75-27-4)
Bromoform (75-25-2)
n-Butylbenzene (104-51-8)
sec-Butylbenzene (135-98-8)
tert-Butylbenzene (98-06-6)
Carbon tetrachloride (56-23-5)
Chlorobenzene (108-90-7)
Chloroform (67-66-3)
2-Chlorotoluene (95-49-8)
4-Chlorotoluene (106-43-4)
Dibromochloromethane (124-48-1)
1,2-Dibromo-3-chloropropane (DBCP) (96-12-8)
1,2-Dibromoethane (EDB) (106-93-4)
Dibromomethane (74-95-3)
1,2-Dichlorobenzene (95-50-1)
1,3-Dichlorobenzene (541-73-1)
1,4-Dichlorobenzene (106-46-7)
1,1-Dichloroethane (75-34-3)
1,2-Dichloroethane (107-06-2)
1,1-Dichloroethene (75-35-4)
cis-1,2-Dichloroethene (156-59-2)
trans-1,2-Dichloroethene (156-60-5)
1,2-Dichloropropane (78-87-5)
1,3-Dichloropropane (142-28-9)
2,2-Dichloropropane (594-20-7)
1,1-Dichloropropene (563-58-6)
cis-1,3-Dichloropropene (10061-01-5)
trans-1,3-Dichloropropene (10061-02-6)
Ethylbenzene (100-41-4)
Hexachloro-1,3-butadiene (hexachlorobutadiene) (87-68-3)
Isopropylbenzene (cumene) (98-82-8)
4-Isopropyltoluene (*p*-cymene) (99-87-6)
Methylene chloride (dichloromethane) (75-09-2)
Naphthalene (91-20-3)
n-Propylbenzene (103-65-1)
Styrene (100-42-5)
1,1,1,2-Tetrachloroethane (630-20-6)
1,1,2,2-Tetrachloroethane (79-34-5)
Tetrachloroethene (127-18-4)
Toluene (108-88-3)
1,2,3-Trichlorobenzene (87-61-6)
1,2,4-Trichlorobenzene (120-82-1)
1,1,1-Trichloroethane (71-55-6)
1,1,2-Trichloroethane (79-00-5)
Trichloroethene (79-01-6)
1,2,3-Trichloropropane (96-18-4)
1,2,4-Trimethylbenzene (95-63-6)
1,3,5-Trimethylbenzene (108-67-8)
m-Xylene (108-38-3)
o-Xylene (95-47-6)
p-Xylene (106-42-3)

Description	CRM?	Min Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
502.2 VOA Calibration Kit #2 (2000 ppm)	Yes	6 months	Ambient	0 °C or colder	kit	30445

502.2 VOA Calibration Kit #3 (200 µg/mL)

Contains 1 mL each of these mixtures.

30439: 502.2 Calibration Mix #1 (gases)
Bromomethane (methyl bromide) (74-83-9)
Chloroethane (ethyl chloride) (75-00-3)
Chloromethane (methyl chloride) (74-87-3)
Dichlorodifluoromethane (CFC-12) (75-71-8)
Trichlorofluoromethane (CFC-11) (75-69-4)
Vinyl chloride (75-01-4)

30432: 502.2 MegaMix Standard
Benzene (71-43-2)
Bromobenzene (108-86-1)
Bromochloromethane (74-97-5)
Bromodichloromethane (75-27-4)
Bromoform (75-25-2)
n-Butylbenzene (104-51-8)
sec-Butylbenzene (135-98-8)
tert-Butylbenzene (98-06-6)
Carbon tetrachloride (56-23-5)
Chlorobenzene (108-90-7)
Chloroform (67-66-3)
2-Chlorotoluene (95-49-8)
4-Chlorotoluene (106-43-4)
Dibromochloromethane (124-48-1)
1,2-Dibromo-3-chloropropane (DBCP) (96-12-8)
1,2-Dibromoethane (EDB) (106-93-4)
Dibromomethane (74-95-3)
1,2-Dichlorobenzene (95-50-1)
1,3-Dichlorobenzene (541-73-1)
1,4-Dichlorobenzene (106-46-7)
1,1-Dichloroethane (75-34-3)
1,2-Dichloroethane (107-06-2)
1,1-Dichloroethene (75-35-4)
cis-1,2-Dichloroethene (156-59-2)
trans-1,2-Dichloroethene (156-60-5)
1,2-Dichloropropane (78-87-5)
1,3-Dichloropropane (142-28-9)
2,2-Dichloropropane (594-20-7)
1,1-Dichloropropene (563-58-6)
cis-1,3-Dichloropropene (10061-01-5)
trans-1,3-Dichloropropene (10061-02-6)
Ethylbenzene (100-41-4)
Hexachloro-1,3-butadiene (hexachlorobutadiene) (87-68-3)
Isopropylbenzene (cumene) (98-82-8)
4-Isopropyltoluene (*p*-cymene) (99-87-6)
Methylene chloride (dichloromethane) (75-09-2)
Naphthalene (91-20-3)
n-Propylbenzene (103-65-1)
Styrene (100-42-5)
1,1,1,2-Tetrachloroethane (630-20-6)
1,1,2,2-Tetrachloroethane (79-34-5)
Tetrachloroethene (127-18-4)
Toluene (108-88-3)
1,2,3-Trichlorobenzene (87-61-6)
1,2,4-Trichlorobenzene (120-82-1)
1,1,1-Trichloroethane (71-55-6)
1,1,2-Trichloroethane (79-00-5)
Trichloroethene (79-01-6)
1,2,3-Trichloropropane (96-18-4)
1,2,4-Trimethylbenzene (95-63-6)
1,3,5-Trimethylbenzene (108-67-8)
m-Xylene (108-38-3)
o-Xylene (95-47-6)
p-Xylene (106-42-3)

Description	CRM?	Min Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
502.2 VOA Calibration Kit #3 (200 ppm)	Yes	6 months	Ambient	0 °C or colder	kit	30446

504.1 Calibration Mix (3 components)

1,2-Dibromo-3-chloropropane (96-12-8)
1,2-Dibromoethane (EDB) (106-93-4)
1,2,3-Trichloropropane (96-18-4)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
200 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	60 months	Ambient	0 °C or colder	ea.	30239

505 Organohalide Pesticide Mix (16 components)

Aldrin (309-00-2)
Alachlor (15972-60-8)
Atrazine (1912-24-9)
γ-BHC (Lindane) (58-89-9)
cis-Chlordane (5103-71-9)
trans-Chlordane (5103-74-2)
Dieldrin (60-57-1)
Endrin (72-20-8)
Heptachlor (76-44-8)
Heptachlor epoxide (isomer B) (1024-57-3)
Hexachlorobenzene (118-74-1)
Hexachlorocyclopentadiene (77-47-4)
Methoxychlor (72-43-5)
cis-Nonachlor (5103-73-1)
trans-Nonachlor (39765-80-5)
Simazine (122-34-9)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
200 µg/mL each in methanol, 1 mL/ampul	Yes	6 months	39 months	Ambient	10 °C or colder	ea.	32024

506 Calibration Mix (7 components)

Benzyl butyl phthalate (85-68-7)
Bis(2-ethylhexyl)adipate (103-23-1)
Bis(2-ethylhexyl)phthalate (117-81-7)
Di-*n*-butylphthalate (84-74-2)
Diethylphthalate (84-66-2)
Dimethylphthalate (131-11-3)
Di-*n*-octyl phthalate (117-84-0)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
1000 µg/mL in isooctane, 1 mL/ampul	Yes	6 months	60 months	Ambient	10 °C or colder	ea.	31845

508 Performance Check Mix (4 components)

δ-BHC (319-86-8), 0.4 µg/mL
Chlorothalonil (1897-45-6), 0.5 µg/mL
Chlorpyrifos (2921-88-2), 0.02 µg/mL
DCPA methyl ester (Chlorthal-dimethyl) (1861-32-1), 0.5 µg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In methyl *tert*-butyl ether, 1 mL/ampul	Yes	6 months	27 months	Ambient	10 °C or colder	ea.	32045

508.1 Calibration Mix #1 (17 components)

Aldrin (309-00-2)
α-BHC (319-84-6)
β-BHC (319-85-7)
δ-BHC (319-86-8)
γ-BHC (Lindane) (58-89-9)
4,4'-DDD (72-54-8)
4,4'-DDE (72-55-9)
4,4'-DDT (50-29-3)
Dieldrin (60-57-1)
Endosulfan I (959-98-8)
Endosulfan II (33213-65-9)
Endosulfan sulfate (1031-07-8)
Endrin (72-20-8)
Endrin aldehyde (7421-93-4)
Heptachlor (76-44-8)
Heptachlor epoxide (isomer B) (1024-57-3)
Methoxychlor (72-43-5)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
500 µg/mL each in ethyl acetate, 1 mL/ampul	Yes	6 months	48 months	Ambient	10 °C or colder	ea.	32094

508.1 Calibration Mix #2 (11 components)

Chlorobenzilate (510-15-6)
cis-Chlordane (5103-71-9)
trans-Chlordane (5103-74-2)
Chloroneb (2675-77-6)
DCPA methyl ester (Chlorthal-dimethyl) (1861-32-1)
Etridiazole (2593-15-9)
Hexachlorobenzene (118-74-1)
cis-Permethrin* (52645-53-1)
trans-Permethrin* (52645-53-1)
Propachlor (1918-16-7)
Trifluralin (1582-09-8)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
500 µg/mL each in ethyl acetate, 1 mL/ampul	Yes	6 months	39 months	Ambient	10 °C or colder	ea.	32095

*500 µg/mL total permethrin. Exact content of each isomer is listed on certificate of analysis.

508.1 Calibration Mix #3 (8 components)

Alachlor (15972-60-8)
Atrazine (1912-24-9)
Chlorothalonil (1897-45-6)
Cyanazine (Bladex) (21725-46-2)
Hexachlorocyclopentadiene (77-47-4)
Metolachlor (51218-45-2)
Metribuzin (21087-64-9)
Simazine (122-34-9)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
500 µg/mL each in ethyl acetate, 1 mL/ampul	Yes	6 months	39 months	Ambient	10 °C or colder	ea.	32096

508.1 GC Degradation Check Mix (2 components)

4,4'-DDT (50-29-3)
Endrin (72-20-8)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
100 µg/mL each in ethyl acetate, 1 mL/ampul	Yes	6 months	52 months	Ambient	10 °C or colder	ea.	32093

508.1 Pesticide Kit

Contains 1 mL each of these mixtures.

32045: 508 Performance Check Mix
δ-BHC (319-86-8), 0.4 µg/mL
Chlorothalonil (1897-45-6), 0.5 µg/mL
Chlorpyrifos (2921-88-2), 0.02 µg/mL
DCPA methyl ester (Chlorthal-dimethyl) (1861-32-1), 0.5 µg/mL

32091: 508.1 Internal Standard
Pentachloronitrobenzene (82-68-8)

32092: 508.1 Surrogate
4,4'-Dibromobiphenyl (92-86-4)

32093: 508.1 GC Degradation Check Mix
4,4'-DDT (50-29-3)
Endrin (72-20-8)

32094: 508.1 Calibration Mix #1
Aldrin (309-00-2)
α-BHC (319-84-6)
β-BHC (319-85-7)
δ-BHC (319-86-8)
γ-BHC (Lindane) (58-89-9)
4,4'-DDD (72-54-8)
4,4'-DDE (72-55-9)
4,4'-DDT (50-29-3)
Dieldrin (60-57-1)
Endosulfan I (959-98-8)
Endosulfan II (33213-65-9)
Endosulfan sulfate (1031-07-8)
Endrin (72-20-8)
Endrin aldehyde (7421-93-4)
Heptachlor (76-44-8)
Heptachlor epoxide (isomer B) (1024-57-3)
Methoxychlor (72-43-5)

32095: 508.1 Calibration Mix #2
Chlorobenzilate (510-15-6)
cis-Chlordane (5103-71-9)
trans-Chlordane (5103-74-2)
Chloroneb (2675-77-6)
DCPA methyl ester (Chlorthal-dimethyl) (1861-32-1)
Etridiazole (2593-15-9)
Hexachlorobenzene (118-74-1)
cis-Permethrin* (52645-53-1)
trans-Permethrin* (52645-53-1)
Propachlor (1918-16-7)
Trifluralin (1582-09-8)

32096: 508.1 Calibration Mix #3
Alachlor (15972-60-8)
Atrazine (1912-24-9)
Chlorothalonil (1897-45-6)
Cyanazine (Bladex) (21725-46-2)
Hexachlorocyclopentadiene (77-47-4)
Metolachlor (51218-45-2)
Metribuzin (21087-64-9)
Simazine (122-34-9)

Description	CRM?	Min Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
508.1 Pesticide Kit	Yes	6 months	Ambient	10 °C or colder	kit	32097

515.4 Calibration Mix (16 components)

Acifluorfen (50594-66-6), 50 µg/mL
Bentazon (25057-89-0), 100 µg/mL
Chloramben (133-90-4), 50 µg/mL
2,4-D (94-75-7), 100 µg/mL
Dalapon (75-99-0), 100 µg/mL
2,4-DB (94-82-6), 100 µg/mL
DCPA diacid (tetrachloroterephthalic acid) (2136-79-0), 50 µg/mL
Dicamba (1918-00-9), 50 µg/mL
3,5-Dichlorobenzoic acid (51-36-5), 50 µg/mL
Dichlorprop (120-36-5), 100 µg/mL
Dinoseb (88-85-7), 100 µg/mL
Pentachlorophenol (87-86-5), 10 µg/mL
Picloram (1918-02-1), 50 µg/mL
Quinclorac (84087-01-4), 50 µg/mL
2,4,5-T (93-76-5), 25 µg/mL
2,4,5-TP (Silvex) (93-72-1), 25 µg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In acetone, 1 mL/ampul	Yes	6 months	24 months	Ambient	10 °C or colder	ea.	32443

515.4 Methylated Chlorinated Acids Mix (16 components)

Acifluorfen methyl ester (50594-67-7), 50 µg/mL
Bentazon methyl ester (61592-45-8), 100 µg/mL
Chloramben methyl ester (7286-84-2), 50 µg/mL
Dalapon methyl ester (17640-02-7), 100 µg/mL
2,4-D methyl ester (1928-38-7), 100 µg/mL
2,4-DB methyl ester (18625-12-2), 100 µg/mL
DCPA methyl ester (Chlorthal-dimethyl) (1861-32-1), 100 µg/mL
Dicamba methyl ester (6597-78-0), 50 µg/mL
3,5-Dichlorobenzoic acid methyl ester (2905-67-1), 50 µg/mL
Dichlorprop methyl ester (57153-17-0), 100 µg/mL
Dinoseb methyl ether (6099-79-2), 100 µg/mL
Pentachloroanisole (1825-21-4), 10 µg/mL
Picloram methyl ester (14143-55-6), 50 µg/mL
Quinclorac methyl ester, 50 µg/mL
2,4,5-T methyl ester (1928-37-6), 25 µg/mL
2,4,5-TP (Silvex) methyl ester (4841-20-7), 25 µg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In methyl *tert*-butyl ether, 1 mL/ampul	Yes	6 months	84 months	Ambient	10 °C or colder	ea.	32444

524 Calibration Mix #7 Kit

Contains 1 mL each of these mixtures.

30300: 524 Calibration Mix #7A
Acetone (67-64-1)
2-Butanone (MEK) (78-93-3)
2-Hexanone (591-78-6)
4-Methyl-2-pentanone (MIBK) (108-10-1)
Tetrahydrofuran (109-99-9)

30304: 524 Calibration Mix #7B
Acrylonitrile (107-13-1)
Allyl chloride (3-chloropropene) (107-05-1)
Ethyl methacrylate (97-63-2)
Methyl acrylate (96-33-3)
Methyl methacrylate (80-62-6)
Nitrobenzene (98-95-3)
Pentachloroethane (76-01-7)

Description	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
524 Calibration Mix #7 Kit	Yes	6 months	39 months	Ambient	0 °C or colder	kit	30202

524 Calibration Mix #7A (5 components)

Acetone (67-64-1)
2-Butanone (MEK) (78-93-3)
2-Hexanone (591-78-6)
4-Methyl-2-pentanone (MIBK) (108-10-1)
Tetrahydrofuran (109-99-9)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in P&T methanol:water (90:10), 1 mL/ampul	Yes	6 months	39 months	Ambient	0 °C or colder	ea.	30300

524 Calibration Mix #7B (7 components)

Acrylonitrile (107-13-1)
Allyl chloride (3-chloropropene) (107-05-1)
Ethyl methacrylate (97-63-2)
Methyl acrylate (96-33-3)
Methyl methacrylate (80-62-6)
Nitrobenzene (98-95-3)
Pentachloroethane (76-01-7)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	39 months	Ambient	0 °C or colder	ea.	30304

524 Calibration Mix #8 (12 components)

Carbon disulfide (75-15-0)
Chloroacetonitrile (107-14-2)
1-Chlorobutane (butyl chloride) (109-69-3)
trans-1,4-Dichloro-2-butene (110-57-6)
1,1-Dichloro-2-propanone (513-88-2)
Diethyl ether (ethyl ether) (60-29-7)
Hexachloroethane (67-72-1)
Iodomethane (methyl iodide) (74-88-4)
Methacrylonitrile (126-98-7)
Methyl *tert*-butyl ether (MTBE) (1634-04-4)
2-Nitropropane (79-46-9)
Propionitrile (107-12-0)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	44 months	Ambient	0 °C or colder	ea.	30203

524 Internal Standard/Surrogate Mix (3 components)

1-Bromo-4-fluorobenzene (BFB) (460-00-4)
1,2-Dichlorobenzene-d4 (2199-69-1)
Fluorobenzene (462-06-6)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	84 months	Ambient	0 °C or colder	ea.	30201

524 Rev. 4.0 VOA Kit #2 (2000 µg/mL)

Contains 1 mL each of these mixtures.

30042: 502.2 Calibration Mix #1 (gases)
Bromomethane (methyl bromide) (74-83-9)
Chloroethane (ethyl chloride) (75-00-3)
Chloromethane (methyl chloride) (74-87-3)
Dichlorodifluoromethane (CFC-12) (75-71-8)
Trichlorofluoromethane (CFC-11) (75-69-4)
Vinyl chloride (75-01-4)

30431: 502.2 MegaMix Standard
Benzene (71-43-2)
Bromobenzene (108-86-1)
Bromochloromethane (74-97-5)
Bromodichloromethane (75-27-4)
Bromoform (75-25-2)
n-Butylbenzene (104-51-8)
sec-Butylbenzene (135-98-8)
tert-Butylbenzene (98-06-6)
Carbon tetrachloride (56-23-5)
Chlorobenzene (108-90-7)
Chloroform (67-66-3)
2-Chlorotoluene (95-49-8)
4-Chlorotoluene (106-43-4)
Dibromochloromethane (124-48-1)
1,2-Dibromo-3-chloropropane (DBCP) (96-12-8)
1,2-Dibromoethane (EDB) (106-93-4)
Dibromomethane (74-95-3)
1,2-Dichlorobenzene (95-50-1)
1,3-Dichlorobenzene (541-73-1)
1,4-Dichlorobenzene (106-46-7)
1,1-Dichloroethane (75-34-3)
1,2-Dichloroethane (107-06-2)
1,1-Dichloroethene (75-35-4)
cis-1,2-Dichloroethene (156-59-2)
trans-1,2-Dichloroethene (156-60-5)
1,2-Dichloropropane (78-87-5)
1,3-Dichloropropane (142-28-9)
2,2-Dichloropropane (594-20-7)
1,1-Dichloropropene (563-58-6)
cis-1,3-Dichloropropene (10061-01-5)
trans-1,3-Dichloropropene (10061-02-6)
Ethylbenzene (100-41-4)
Hexachloro-1,3-butadiene (hexachlorobutadiene) (87-68-3)
Isopropylbenzene (cumene) (98-82-8)
4-Isopropyltoluene (*p*-cymene) (99-87-6)
Methylene chloride (dichloromethane) (75-09-2)
Naphthalene (91-20-3)
n-Propylbenzene (103-65-1)
Styrene (100-42-5)
1,1,1,2-Tetrachloroethane (630-20-6)
1,1,2,2-Tetrachloroethane (79-34-5)
Tetrachloroethene (127-18-4)
Toluene (108-88-3)
1,2,3-Trichlorobenzene (87-61-6)
1,2,4-Trichlorobenzene (120-82-1)
1,1,1-Trichloroethane (71-55-6)
1,1,2-Trichloroethane (79-00-5)
Trichloroethene (79-01-6)
1,2,3-Trichloropropane (96-18-4)
1,2,4-Trimethylbenzene (95-63-6)
1,3,5-Trimethylbenzene (108-67-8)
m-Xylene (108-38-3)
o-Xylene (95-47-6)
p-Xylene (106-42-3)

30300: 524 Calibration Mix #7A
Acetone (67-64-1)
2-Butanone (MEK) (78-93-3)
2-Hexanone (591-78-6)
4-Methyl-2-pentanone (MIBK) (108-10-1)
Tetrahydrofuran (109-99-9)

30304: 524 Calibration Mix #7B
Acrylonitrile (107-13-1)
Allyl chloride (3-chloropropene) (107-05-1)
Ethyl methacrylate (97-63-2)
Methyl acrylate (96-33-3)
Methyl methacrylate (80-62-6)
Nitrobenzene (98-95-3)
Pentachloroethane (76-01-7)

30203: 524 Calibration Mix #8
Carbon disulfide (75-15-0)
Chloroacetonitrile (107-14-2)
1-Chlorobutane (butyl chloride) (109-69-3)
trans-1,4-Dichloro-2-butene (110-57-6)
1,1-Dichloro-2-propanone (513-88-2)
Diethyl ether (ethyl ether) (60-29-7)
Hexachloroethane (67-72-1)
Iodomethane (methyl iodide) (74-88-4)
Methacrylonitrile (126-98-7)
Methyl *tert*-butyl ether (MTBE) (1634-04-4)
2-Nitropropane (79-46-9)
Propionitrile (107-12-0)

30201: 524 Internal Standard/Surrogate Mix
1-Bromo-4-fluorobenzene (BFB) (460-00-4)
1,2-Dichlorobenzene-d4 (2199-69-1)
Fluorobenzene (462-06-6)

Description	CRM?	Min Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
524 Rev. 4.0 VOA Kit #2, 2,000ug/mL	Yes	6 months	Ambient	0 °C or colder	kit	30447

524 Rev. 4.0 Volatile Organics Kit (2000 µg/mL)

Contains 1 mL each of these mixtures.

30201: 524 Internal Standard/Surrogate Mix
1-Bromo-4-fluorobenzene (BFB) (460-00-4)
1,2-Dichlorobenzene-d4 (2199-69-1)
Fluorobenzene (462-06-6)

30042: 502.2 Calibration Mix #1 (gases)
Bromomethane (methyl bromide) (74-83-9)
Chloroethane (ethyl chloride) (75-00-3)
Chloromethane (methyl chloride) (74-87-3)
Dichlorodifluoromethane (CFC-12) (75-71-8)
Trichlorofluoromethane (CFC-11) (75-69-4)
Vinyl chloride (75-01-4)

30043: 502.2 Calibration Mix #2
Bromodichloromethane (75-27-4)
Bromoform (75-25-2)
Carbon tetrachloride (56-23-5)
Chloroform (67-66-3)
1,1-Dichloroethane (75-34-3)
1,1-Dichloroethene (75-35-4)
trans-1,2-Dichloroethene (156-60-5)
1,3-Dichloropropane (142-28-9)
2,2-Dichloropropane (594-20-7)
cis-1,3-Dichloropropene (10061-01-5)
trans-1,3-Dichloropropene (10061-02-6)
Methylene chloride (dichloromethane) (75-09-2)
1,1,1-Trichloroethane (71-55-6)
Trichloroethene (79-01-6)

30044: 502.2 Calibration Mix #3
Bromochloromethane (74-97-5)
Dibromochloromethane (124-48-1)
1,2-Dibromo-3-chloropropane (96-12-8)
1,2-Dibromoethane (EDB) (106-93-4)
Dibromomethane (74-95-3)
1,2-Dichloroethane (107-06-2)
cis-1,2-Dichloroethene (156-59-2)
1,2-Dichloropropane (78-87-5)
1,1-Dichloropropene (563-58-6)
1,1,1,2-Tetrachloroethane (630-20-6)
1,1,2,2-Tetrachloroethane (79-34-5)
Tetrachloroethene (127-18-4)
1,1,2-Trichloroethane (79-00-5)
1,2,3-Trichloropropane (96-18-4)

30045: 502.2 Calibration Mix #4
Benzene (71-43-2)
tert-Butylbenzene (98-06-6)
Chlorobenzene (108-90-7)
Isopropylbenzene (cumene) (98-82-8)
n-Propylbenzene (103-65-1)
Styrene (100-42-5)
Toluene (108-88-3)
1,3,5-Trimethylbenzene (108-67-8)
m-Xylene (108-38-3)

30046: 502.2 Calibration Mix #5
Bromobenzene (108-86-1)
n-Butylbenzene (104-51-8)
sec-Butylbenzene (135-98-8)
2-Chlorotoluene (95-49-8)
1,3-Dichlorobenzene (541-73-1)
Ethylbenzene (100-41-4)
1,2,4-Trichlorobenzene (120-82-1)
1,2,4-Trimethylbenzene (95-63-6)
o-Xylene (95-47-6)
p-Xylene (106-42-3)

30047: 502.2 Calibration Mix #6
4-Chlorotoluene (106-43-4)
1,2-Dichlorobenzene (95-50-1)
1,4-Dichlorobenzene (106-46-7)
Hexachlorobutadiene (87-68-3)
4-Isopropyltoluene (*p*-Cymene) (99-87-6)
Naphthalene (91-20-3)
1,2,3-Trichlorobenzene (87-61-6)

30300: 524 Calibration Mix #7A
Acetone (67-64-1)
2-Butanone (MEK) (78-93-3)
2-Hexanone (591-78-6)
4-Methyl-2-pentanone (MIBK) (108-10-1)
Tetrahydrofuran (109-99-9)

30304: 524 Calibration Mix #7B
Acrylonitrile (107-13-1)
Allyl chloride (3-chloropropene) (107-05-1)
Ethyl methacrylate (97-63-2)
Methyl acrylate (96-33-3)
Methyl methacrylate (80-62-6)
Nitrobenzene (98-95-3)
Pentachloroethane (76-01-7)

30203: 524 Calibration Mix #8
Carbon disulfide (75-15-0)
Chloroacetonitrile (107-14-2)
1-Chlorobutane (butyl chloride) (109-69-3)
trans-1,4-Dichloro-2-butene (110-57-6)
1,1-Dichloro-2-propanone (513-88-2)
Diethyl ether (ethyl ether) (60-29-7)
Hexachloroethane (67-72-1)
Iodomethane (methyl iodide) (74-88-4)
Methacrylonitrile (126-98-7)
Methyl *tert*-butyl ether (MTBE) (1634-04-4)
2-Nitropropane (79-46-9)
Propionitrile (107-12-0)

Description	CRM?	Min Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
524 Rev. 4.0 Volatile Organics Kit, 2,000ug/mL	Yes	6 months	Ambient	0 °C or colder	kit	30204

524.2 Surrogate Standard (2 components)

1-Bromo-4-fluorobenzene (BFB) (460-00-4)
1,2-Dichlorobenzene-d4 (2199-69-1)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL in P&T methanol, 1 mL/ampul	Yes	6 months	60 months	Ambient	0 °C or colder	ea.	30607

531.1 Carbamate Pesticide Calibration Mixture (10 components)

Aldicarb (116-06-3)
Aldicarb sulfone (1646-88-4)
Aldicarb sulfoxide (1646-87-3)
Carbaryl (Sevin) (63-25-2)
Carbofuran (1563-66-2)
3-Hydroxycarbofuran (16655-82-6)
Methiocarb (2032-65-7)
Methomyl (16752-77-5)
Oxamyl (23135-22-0)
Propoxur (Baygon) (114-26-1)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
100 µg/mL each in methanol, 1 mL/ampul	Yes	6 months	24 months	Ambient	10 °C or colder	ea.	32273

531.1 Performance Check Mix (4 components)

Aldicarb sulfoxide (1646-87-3), 100 µg/mL
4-Bromo-3,5-dimethylphenyl-N-methylcarbamate (BDMC) (672-99-1), 10 µg/mL
3-Hydroxycarbofuran (16655-82-6), 2 µg/mL
Methiocarb (2032-65-7), 20 µg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In methanol, 1 mL/ampul	Yes	6 months	24 months	Ambient	10 °C or colder	ea.	32275

531.2 Carbamate Pesticide Calibration Mixture (11 components)

Aldicarb (116-06-3)
Aldicarb sulfone (1646-88-4)
Aldicarb sulfoxide (1646-87-3)
Carbaryl (Sevin) (63-25-2)
Carbofuran (1563-66-2)
3-Hydroxycarbofuran (16655-82-6)
Methiocarb (2032-65-7)
Methomyl (16752-77-5)
1-Naphthol (90-15-3)
Oxamyl (23135-22-0)
Propoxur (Baygon) (114-26-1)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
100 µg/mL in acetonitrile, 1 mL/ampul	Yes	6 months	24 months	Ambient	10 °C or colder	ea.	32435

602 Purgeable Aromatics Calibration Mix (7 components)

Benzene (71-43-2)
Chlorobenzene (108-90-7)
1,2-Dichlorobenzene (95-50-1)
1,3-Dichlorobenzene (541-73-1)
1,4-Dichlorobenzene (106-46-7)
Ethylbenzene (100-41-4)
Toluene (108-88-3)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	85 months	Ambient	0 °C or colder	ea.	30035

604 Phenols Calibration Mix (11 components)

4-Chloro-3-methylphenol (59-50-7)
2-Chlorophenol (95-57-8)
2,4-Dichlorophenol (120-83-2)
2,4-Dimethylphenol (105-67-9)
4,6-Dinitro-2-methylphenol (Dinitro-*o*-cresol) (534-52-1)
2,4-Dinitrophenol (51-28-5)
2-Nitrophenol (88-75-5)
4-Nitrophenol (100-02-7)
Pentachlorophenol (87-86-5)
Phenol (108-95-2)
2,4,6-Trichlorophenol (88-06-2)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in methanol, 1 mL/ampul	Yes	6 months	96 months	Ambient	10 °C or colder	ea.	31029

605 Benzidines Calibration Mix (2 components)

Benzidine (92-87-5)
3,3'-Dichlorobenzidine (91-94-1)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in methanol, 1 mL/ampul	Yes	6 months	55 months	Ambient	10 °C or colder	ea.	31030

606 Phthalate Esters Calibration Mix (6 components)

Bis(2-ethylhexyl)phthalate (117-81-7)
Benzyl butyl phthalate (85-68-7)
Di-*n*-butyl phthalate (84-74-2)
Diethylphthalate (84-66-2)
Dimethylphthalate (131-11-3)
Di-*n*-octyl phthalate (117-84-0)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in methanol, 1 mL/ampul	Yes	6 months	52 months	Ambient	10 °C or colder	ea.	31031

607 Nitrosamines Calibration Mix (3 components)

N-Nitrosodimethylamine (62-75-9)
N-Nitroso-di-*n*-propylamine (621-64-7)
N-Nitrosodiphenylamine (86-30-6)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in methanol, 1 mL/ampul	Yes	6 months	36 months	Ambient	10 °C or colder	ea.	31032

608 Calibration Mix (16 components)

Aldrin (309-00-2)
α-BHC (319-84-6)
β-BHC (319-85-7)
δ-BHC (319-86-8)
γ-BHC (Lindane) (58-89-9)
4,4'-DDD (72-54-8)
4,4'-DDE (72-55-9)
4,4'-DDT (50-29-3)
Dieldrin (60-57-1)
Endosulfan I (959-98-8)
Endosulfan II (33213-65-9)
Endosulfan sulfate (1031-07-8)
Endrin (72-20-8)
Endrin aldehyde (7421-93-4)
Heptachlor (76-44-8)
Heptachlor epoxide (isomer B) (1024-57-3)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
200 µg/mL each in hexane:toluene (1:1), 1 mL/ampul	Yes	6 months	48 months	Ambient	10 °C or colder	ea.	32022

608 Complete Kit

Contains 1 mL each of these mixtures.

32022: 608 Calibration Mix
Aldrin (309-00-2)
α-BHC (319-84-6)
β-BHC (319-85-7)
δ-BHC (319-86-8)
γ-BHC (Lindane) (58-89-9)
4,4'-DDD (72-54-8)
4,4'-DDE (72-55-9)
4,4'-DDT (50-29-3)
Dieldrin (60-57-1)
Endosulfan I (959-98-8)
Endosulfan II (33213-65-9)
Endosulfan sulfate (1031-07-8)
Endrin (72-20-8)
Endrin aldehyde (7421-93-4)
Heptachlor (76-44-8)
Heptachlor epoxide (isomer B) (1024-57-3)

32006: Aroclor 1016
Aroclor 1016

32007: Aroclor 1221
Aroclor 1221

32008: Aroclor 1232
Aroclor 1232

32009: Aroclor 1242
Aroclor 1242

32010: Aroclor 1248
Aroclor 1248

32011: Aroclor 1254
Aroclor 1254

32012: Aroclor 1260
Aroclor 1260

32005: Toxaphene Solutions
Toxaphene (8001-35-2)

32021: Chlordane
chlordane

Description	CRM?	Min Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
608 Complete Kit	Yes	6 months	Ambient	10 °C or colder	kit	32060

610 PAH Calibration Mix A (16 components)

Acenaphthene (83-32-9), 1000 µg/mL
Acenaphthylene (208-96-8), 1000 µg/mL
Anthracene (120-12-7), 1000 µg/mL
Benz[a]anthracene (56-55-3), 500 µg/mL
Benzo[a]pyrene (50-32-8), 500 µg/mL
Benzo[b]fluoranthene (205-99-2), 500 µg/mL
Benzo[k]fluoranthene (207-08-9), 500 µg/mL
Benzo[g,h,i]perylene (191-24-2), 500 µg/mL
Chrysene (218-01-9), 500 µg/mL
Dibenz[a,h]anthracene (53-70-3), 500 µg/mL
Fluoranthene (206-44-0), 500 µg/mL
Fluorene (86-73-7), 1000 µg/mL
Indeno[1,2,3-cd]pyrene (193-39-5), 500 µg/mL
Naphthalene (91-20-3), 1000 µg/mL
Phenanthrene (85-01-8), 500 µg/mL
Pyrene (129-00-0), 500 µg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In methylene chloride, 1 mL/ampul	Yes	6 months	71 months	Ambient	25 °C nominal	ea.	31264

610 PAH Calibration Mix B (16 components)

Acenaphthene (83-32-9), 1000 µg/mL
Acenaphthylene (208-96-8), 2000 µg/mL
Anthracene (120-12-7), 100 µg/mL
Benz[a]anthracene (56-55-3), 100 µg/mL
Benzo[a]pyrene (50-32-8), 100 µg/mL
Benzo[b]fluoranthene (205-99-2), 200 µg/mL
Benzo[k]fluoranthene (207-08-9), 100 µg/mL
Benzo[g,h,i]perylene (191-24-2), 200 µg/mL
Chrysene (218-01-9), 100 µg/mL
Dibenz[a,h]anthracene (53-70-3), 200 µg/mL
Fluoranthene (206-44-0), 200 µg/mL
Fluorene (86-73-7), 200 µg/mL
Indeno[1,2,3-cd]pyrene (193-39-5), 100 µg/mL
Naphthalene (91-20-3), 1000 µg/mL
Phenanthrene (85-01-8), 100 µg/mL
Pyrene (129-00-0), 100 µg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In methylene chloride:methanol (1:1), 1 mL/ampul	Yes	6 months	71 months	Ambient	25 °C nominal	ea.	31455

611 Haloethers Calibration Mix (5 components)

Bis(2-chloroethoxy)methane (111-91-1)
Bis(2-chloroethyl)ether (111-44-4)
4-Bromophenyl phenyl ether (101-55-3)
4-Chlorophenyl phenyl ether (7005-72-3)
2,2'-Oxybis(1-chloropropane) (108-60-1)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in acetone, 1 mL/ampul	Yes	6 months	41 months	Ambient	10 °C or colder	ea.	31034

612 Chlorinated Hydrocarbons Calibration Mix (9 components)

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)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in isooctane, 1 mL/ampul	Yes	6 months	35 months	Ambient	10 °C or colder	ea.	31035

624 Calibration Mix #1 (gases) (5 components)

Bromomethane (methyl bromide) (74-83-9)
Chloroethane (ethyl chloride) (75-00-3)
Chloromethane (methyl chloride) (74-87-3)
Trichlorofluoromethane (CFC-11) (75-69-4)
Vinyl chloride (75-01-4)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	80 months	Ambient	0 °C or colder	ea.	30020

624 Calibration Mix #2 (12 components)

Benzene (71-43-2)
Carbon tetrachloride (56-23-5)
Chlorobenzene (108-90-7)
2-Chloroethyl vinyl ether (110-75-8)
Dibromochloromethane (124-48-1)
1,1-Dichloroethane (75-34-3)
1,1-Dichloroethene (75-35-4)
1,2-Dichloropropane (78-87-5)
Methylene chloride (dichloromethane) (75-09-2)
Tetrachloroethene (127-18-4)
1,1,2-Trichloroethane (79-00-5)
Trichloroethene (79-01-6)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	60 months	Ambient	0 °C or colder	ea.	30021

624 Calibration Mix #3 (14 components)

Bromodichloromethane (75-27-4)
Bromoform (75-25-2)
Chloroform (67-66-3)
1,2-Dichlorobenzene (95-50-1)
1,3-Dichlorobenzene (541-73-1)
1,4-Dichlorobenzene (106-46-7)
1,2-Dichloroethene (107-06-2)
trans-1,2-Dichloroethene (156-60-5)
cis-1,3-Dichloropropene (10061-01-5)
trans-1,3-Dichloropropene (10061-02-6)
Ethylbenzene (100-41-4)
1,1,2,2-Tetrachloroethane (79-34-5)
Toluene (108-88-3)
1,1,1-Trichloroethane (71-55-6)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	60 months	Ambient	0 °C or colder	ea.	30022

624 Complete Kit

Contains 1 mL each of these mixtures.

30020: 624 Calibration Mix #1 (gases)
Bromomethane (methyl bromide) (74-83-9)
Chloroethane (ethyl chloride) (75-00-3)
Chloromethane (methyl chloride) (74-87-3)
Trichlorofluoromethane (CFC-11) (75-69-4)
Vinyl chloride (75-01-4)

30021: 624 Calibration Mix #2
Benzene (71-43-2)
Carbon tetrachloride (56-23-5)
Chlorobenzene (108-90-7)
2-Chloroethyl vinyl ether (110-75-8)
Dibromochloromethane (124-48-1)
1,1-Dichloroethane (75-34-3)
1,1-Dichloroethene (75-35-4)
1,2-Dichloropropane (78-87-5)
Methylene chloride (dichloromethane) (75-09-2)
Tetrachloroethene (127-18-4)
1,1,2-Trichloroethane (79-00-5)
Trichloroethene (79-01-6)

30022: 624 Calibration Mix #3
Bromodichloromethane (75-27-4)
Bromoform (75-25-2)
Chloroform (67-66-3)
1,2-Dichlorobenzene (95-50-1)
1,3-Dichlorobenzene (541-73-1)
1,4-Dichlorobenzene (106-46-7)
1,2-Dichloroethene (107-06-2)
trans-1,2-Dichloroethene (156-60-5)
cis-1,3-Dichloropropene (10061-01-5)
trans-1,3-Dichloropropene (10061-02-6)
Ethylbenzene (100-41-4)
1,1,2,2-Tetrachloroethane (79-34-5)
Toluene (108-88-3)
1,1,1-Trichloroethane (71-55-6)

30023: 624 Internal Standard Mix
Bromochloromethane (74-97-5)
2-Bromo-1-chloropropane (3017-95-6)
1,4-Dichlorobutane (110-56-5)

30243: 624 Surrogate Standard Mix
1-Bromo-4-fluorobenzene (BFB) (460-00-4)
Fluorobenzene (462-06-6)
Pentafluorobenzene (363-72-4)

Description	CRM?	Min Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
624 Complete Kit	Yes	6 months	Ambient	0 °C or colder	kit	30244

624 Internal Standard Mix (3 components)

Bromochloromethane (74-97-5)
2-Bromo-1-chloropropane (3017-95-6)
1,4-Dichlorobutane (110-56-5)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
1500 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	36 months	Ambient	0 °C or colder	ea.	30023

624 Kit

Contains 1 mL each of these mixtures.

30020: 624 Calibration Mix #1 (gases)
Bromomethane (methyl bromide) (74-83-9)
Chloroethane (ethyl chloride) (75-00-3)
Chloromethane (methyl chloride) (74-87-3)
Trichlorofluoromethane (CFC-11) (75-69-4)
Vinyl chloride (75-01-4)

30021: 624 Calibration Mix #2
Benzene (71-43-2)
Carbon tetrachloride (56-23-5)
Chlorobenzene (108-90-7)
2-Chloroethyl vinyl ether (110-75-8)
Dibromochloromethane (124-48-1)
1,1-Dichloroethane (75-34-3)
1,1-Dichloroethene (75-35-4)
1,2-Dichloropropane (78-87-5)
Methylene chloride (dichloromethane) (75-09-2)
Tetrachloroethene (127-18-4)
1,1,2-Trichloroethane (79-00-5)
Trichloroethene (79-01-6)

30022: 624 Calibration Mix #3
Bromodichloromethane (75-27-4)
Bromoform (75-25-2)
Chloroform (67-66-3)
1,2-Dichlorobenzene (95-50-1)
1,3-Dichlorobenzene (541-73-1)
1,4-Dichlorobenzene (106-46-7)
1,2-Dichloroethene (107-06-2)
trans-1,2-Dichloroethene (156-60-5)
cis-1,3-Dichloropropene (10061-01-5)
trans-1,3-Dichloropropene (10061-02-6)
Ethylbenzene (100-41-4)
1,1,2,2-Tetrachloroethane (79-34-5)
Toluene (108-88-3)
1,1,1-Trichloroethane (71-55-6)

30023: 624 Internal Standard Mix
Bromochloromethane (74-97-5)
2-Bromo-1-chloropropane (3017-95-6)
1,4-Dichlorobutane (110-56-5)

Description	CRM?	Min Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
624 Kit	Yes	6 months	Ambient	0 °C or colder	kit	30055

624 Surrogate Standard Mix (3 components)

1-Bromo-4-fluorobenzene (BFB) (460-00-4)
Fluorobenzene (462-06-6)
Pentafluorobenzene (363-72-4)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	62 months	Ambient	0 °C or colder	ea.	30243

8010A Calibration Mix #2 (15 components)

Benzyl chloride (100-44-7)
Bromodichloromethane (75-27-4)
Bromoform (75-25-2)
Carbon tetrachloride (56-23-5)
Chlorobenzene (108-90-7)
1,2-Dichlorobenzene (95-50-1)
1,3-Dichlorobenzene (541-73-1)
1,1-Dichloroethene (75-35-4)
trans-1,2-Dichloroethene (156-60-5)
cis-1,3-Dichloropropene (10061-01-5)
trans-1,3-Dichloropropene (10061-02-6)
Methylene chloride (dichloromethane) (75-09-2)
Tetrachloroethene (127-18-4)
Trichloroethene (79-01-6)
1,2,3-Trichloropropane (96-18-4)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	60 months	Ambient	0 °C or colder	ea.	30056

Note: Method 8010 does not specify internal standards to be used. The analyst must select appropriate internal standards based on the particular samples being analyzed. Potential internal standards are available.

8011 Calibration Mix—EDB/DBCP (2 components)

1,2-Dibromo-3-chloropropane (DBCP) (96-12-8)
1,2-Dibromoethane (EDB) (106-93-4)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	60 months	Ambient	0 °C or colder	ea.	30062

8020A Calibration Mix (10 components)

Benzene (71-43-2)
Chlorobenzene (108-90-7)
1,2-Dichlorobenzene (95-50-1)
1,3-Dichlorobenzene (541-73-1)
1,4-Dichlorobenzene (106-46-7)
Ethylbenzene (100-41-4)
Toluene (108-88-3)
m-Xylene (108-38-3)
o-Xylene (95-47-6)
p-Xylene (106-42-3)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	85 months	Ambient	0 °C or colder	ea.	30222

8021 Surrogate Mix (2 components)

2-Bromochlorobenzene (694-80-4)
1,4-Dichlorobutane (110-56-5)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
1500 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	60 months	Ambient	0 °C or colder	ea.	30086

8021/502.2 Surrogate Mix #1 (3 components)

1-Bromo-2-chloroethane (107-04-0)
1-Chloro-3-fluorobenzene (625-98-9)
Fluorobenzene (462-06-6)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	60 months	Ambient	0 °C or colder	ea.	30463

8040 Phenols Mix #1 (9 components)

4-Chloro-3-methylphenol (59-50-7)
2,4-Dichlorophenol (120-83-2)
4,6-Dinitro-2-methylphenol (Dinitro-*o*-cresol) (534-52-1)
3-Methylphenol (*m*-cresol) (108-39-4)
2-Nitrophenol (88-75-5)
4-Nitrophenol (100-02-7)
Pentachlorophenol (87-86-5)
Phenol (108-95-2)
2,4,6-Trichlorophenol (88-06-2)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in isopropanol, 1 mL/ampul	Yes	6 months	96 months	Ambient	10 °C or colder	ea.	31088

8040 Phenols Mix #2 (9 components)

sec-Butyl-4,6-dinitrophenol (dinoseb) (88-85-7)
2-Chlorophenol (95-57-8)
2,6-Dichlorophenol (87-65-0)
2,4-Dimethylphenol (105-67-9)
2,4-Dinitrophenol (51-28-5)
2-Methylphenol (*o*-cresol) (95-48-7)
4-Methylphenol (*p*-cresol) (106-44-5)
2,3,4,6-Tetrachlorophenol (58-90-2)
2,4,5-Trichlorophenol (95-95-4)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in isopropanol, 1 mL/ampul	Yes	6 months	96 months	Ambient	10 °C or colder	ea.	31089

8040 Surrogate Mix (2 components)

2-Fluorophenol (367-12-4)
2,4,6-Tribromophenol (118-79-6)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in isopropanol, 1 mL/ampul	Yes	6 months	53 months	Ambient	10 °C or colder	ea.	31090

8061A Surrogate Standard (3 components)

Dibenzyl phthalate (523-31-9)
Diphenyl isophthalate (744-45-6)
Diphenyl phthalate (84-62-8)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
500 µg/mL each in acetone, 1 mL/ampul	Yes	6 months	60 months	Ambient	10 °C or colder	ea.	31848

8095 Calibration Mix A (10 components)

2-Amino-4,6-dinitrotoluene (35572-78-2)
4-Amino-2,6-dinitrotoluene (19406-51-0)
1,3-Dinitrobenzene (99-65-0)
2,4-Dinitrotoluene (121-14-2)
2,6-Dinitrotoluene (606-20-2)
HMX (2691-41-0)
RDX (121-82-4)
Tetryl (479-45-8)
1,3,5-Trinitrobenzene (99-35-4)
2,4,6-Trinitrotoluene (118-96-7)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
1000 µg/mL each in acetonitrile, 1 mL/ampul	Yes	6 months	43 months	Ambient	10 °C or colder	ea.	31607

8095 Calibration Mix B (7 components)

3,5-Dinitroaniline (618-87-1)
Nitrobenzene (98-95-3)
Nitroglycerin (55-63-0)
2-Nitrotoluene (88-72-2)
3-Nitrotoluene (99-08-1)
4-Nitrotoluene (99-99-0)
PETN (78-11-5)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
5000 µg/mL each in acetonitrile (3,5-dinitroaniline at 1000 µg/mL), 1 mL/ampul	Yes	6 months	43 months	Ambient	10 °C or colder	ea.	31608

8095 Matrix Spike Mix B (7 components)

3,5-Dinitroaniline (618-87-1)
Nitrobenzene (98-95-3)
Nitroglycerin (55-63-0)
2-Nitrotoluene (88-72-2)
3-Nitrotoluene (99-08-1)
4-Nitrotoluene (99-99-0)
PETN (78-11-5)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
1000 µg/mL each in acetonitrile (3,5-dinitroaniline at 200 µg/mL), 1 mL/ampul	Yes	6 months	43 months	Ambient	10 °C or colder	ea.	31610

8140/8141 OP Pesticide Calibration Mix A (20 components)

Azinphos methyl (86-50-0)
Chlorpyrifos (2921-88-2)
Coumaphos (56-72-4)
Demeton, O & S (8065-48-3)
Diazinon (333-41-5)
Dichlorvos (DDVP) (62-73-7)
Disulfoton (298-04-4)
Ethoprophos (13194-48-4)
Fenchlorphos (Ronnel) (299-84-3)
Fensulfothion (115-90-2)
Fenthion (55-38-9)
Merphos (150-50-5)
Methyl parathion (298-00-0)
Mevinphos (7786-34-7)
Naled (300-76-5)
Phorate (298-02-2)
Prothiofos (34643-46-4)
Sulprofos (35400-43-2)
Tetrachlorvinphos (22248-79-9)
Trichloronate (327-98-0)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
200 µg/mL each in hexane:acetone (80:20), 1 mL/ampul	Yes	3 months	12 months	Ambient	10 °C or colder	ea.	32277

8141 OP Pesticide Calibration Mix B (7 components)

Dimethoate (60-51-5)
EPN (2104-64-5)
Malathion (121-75-5)
Monocrotophos (6923-22-4)
Parathion (ethyl parathion) (56-38-2)
Sulfotepp (3689-24-5)
TEPP (tetraethylpyrophosphate) (107-49-3)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
200 µg/mL each in hexane:acetone (95:5), 1 mL/ampul	Yes	3 months	12 months	Ambient	10 °C or colder	ea.	32278

8240 Alcohols Mix (5 components)

Allyl alcohol (2-propen-1-ol) (107-18-6)
2-Chloroethanol (107-07-3)
Ethanol (64-17-5)
Isobutyl alcohol (78-83-1)
Propargyl alcohol (107-19-7)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	40 months	Ambient	0 °C or colder	ea.	30214

8240 Nitriles Mix (7 components)

Acrylonitrile (107-13-1)
Ethyl methacrylate (97-63-2)
Malononitrile (109-77-3)
Methacrylonitrile (126-98-7)
Methyl methacrylate (80-62-6)
Propionitrile (107-12-0)
Styrene (100-42-5)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	26 months	Ambient	0 °C or colder	ea.	30215

8240/8260 Calibration Check Mix (6 components)

Chloroform (67-66-3)
1,1-Dichloroethene (75-35-4)
1,2-Dichloropropane (78-87-5)
Ethylbenzene (100-41-4)
Toluene (108-88-3)
Vinyl chloride (75-01-4)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	60 months	Ambient	0 °C or colder	ea.	30427

8240/8260 System Performance Check Mix (5 components)

Bromoform (75-25-2)
Chlorobenzene (108-90-7)
Chloromethane (methyl chloride) (74-87-3)
1,1-Dichloroethane (75-34-3)
1,1,2,2-Tetrachloroethane (79-34-5)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	64 months	Ambient	0 °C or colder	ea.	30075

8260 Acetate Mix (5 components)

Butyl acetate (123-86-4)
Ethyl acetate (141-78-6)
Isopropyl acetate (108-21-4)
Propyl acetate (109-60-4)
Vinyl acetate (108-05-4)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	18 months	On Ice	–20 °C or colder	ea.	30477

8260 Internal Standard Mix (4 components)

Chlorobenzene-d5 (3114-55-4)
1,4-Dichlorobenzene-d4 (3855-82-1)
1,4-Difluorobenzene (540-36-3)
Pentafluorobenzene (363-72-4)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2500 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	60 months	Ambient	0 °C or colder	ea.	30074

8260 Matrix Spike Mix (5 components)

Benzene (71-43-2)
Chlorobenzene (108-90-7)
1,1-Dichloroethene (75-35-4)
Toluene (108-88-3)
Trichloroethylene (79-01-6)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2500 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	60 months	Ambient	0 °C or colder	ea.	30479

8260 MegaMix Calibration Mix (76 components)

Acetonitrile (75-05-8)
Acrylonitrile (107-13-1)
Allyl chloride (3-chloropropene) (107-05-1)
Benzene (71-43-2)
Bromobenzene (108-86-1)
Bromochloromethane (74-97-5)
Bromodichloromethane (75-27-4)
Bromoform (75-25-2)
n-Butylbenzene (104-51-8)
sec-Butylbenzene (135-98-8)
tert-Butylbenzene (98-06-6)
Carbon disulfide (75-15-0)
Carbon tetrachloride (56-23-5)
Chlorobenzene (108-90-7)
2-Chloroethanol (107-07-3)
Chloroform (67-66-3)
Chloroprene (2-chloro-1,3-butadiene) (126-99-8)
2-Chlorotoluene (95-49-8)
4-Chlorotoluene (106-43-4)
Dibromochloromethane (124-48-1)
1,2-Dibromo-3-chloropropane (DBCP) (96-12-8)
1,2-Dibromoethane (EDB) (106-93-4)
Dibromomethane (74-95-3)
1,2-Dichlorobenzene (95-50-1)
1,3-Dichlorobenzene (541-73-1)
1,4-Dichlorobenzene (106-46-7)
cis-1,4-Dichloro-2-butene (1476-11-5)
trans-1,4-Dichloro-2-butene (110-57-6)
1,1-Dichloroethane (75-34-3)
1,2-Dichloroethane (107-06-2)
1,1-Dichloroethene (75-35-4)
cis-1,2-Dichloroethene (156-59-2)
trans-1,2-Dichloroethene (156-60-5)
1,2-Dichloropropane (78-87-5)
1,3-Dichloropropane (142-28-9)
2,2-Dichloropropane (594-20-7)
1,1-Dichloropropene (563-58-6)
cis-1,3-Dichloropropene (10061-01-5)
trans-1,3-Dichloropropene (10061-02-6)
Diethyl ether (ethyl ether) (60-29-7)
1,4-Dioxane (123-91-1)
Ethylbenzene (100-41-4)
Ethyl methacrylate (97-63-2)
Hexachloro-1,3-butadiene (87-68-3)
Iodomethane (methyl iodide) (74-88-4)
Isobutyl alcohol (2-methyl-1-propanol) (78-83-1)
Isopropylbenzene (cumene) (98-82-8)
4-Isopropyltoluene (*p*-Cymene) (99-87-6)
Methacrylonitrile (126-98-7)
Methyl acrylate (96-33-3)
Methyl methacrylate (80-62-6)
Methylene chloride (dichloromethane) (75-09-2)
Naphthalene (91-20-3)
Nitrobenzene (98-95-3)
2-Nitropropane (79-46-9)
Pentachloroethane (76-01-7)
Propionitrile (107-12-0)
n-Propylbenzene (103-65-1)
Styrene (100-42-5)
1,1,1,2-Tetrachloroethane (630-20-6)
1,1,2,2-Tetrachloroethane (79-34-5)
Tetrachloroethene (127-18-4)
Tetrahydrofuran (109-99-9)
Toluene (108-88-3)
1,2,3-Trichlorobenzene (87-61-6)
1,2,4-Trichlorobenzene (120-82-1)
1,1,1-Trichloroethane (71-55-6)
1,1,2-Trichloroethane (79-00-5)
Trichloroethene (79-01-6)
1,2,3-Trichloropropane (96-18-4)
1,1,2-Trichlorotrifluoroethane (CFC-113) (76-13-1)
1,2,4-Trimethylbenzene (95-63-6)
1,3,5-Trimethylbenzene (108-67-8)
m-Xylene (108-38-3)
o-Xylene (95-47-6)
p-Xylene (106-42-3)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	36 months	Ambient	0 °C or colder	ea.	30633

8260 MegaMix Calibration Mix Kit

Contains 1 mL each of these mixtures.

30633: 8260 MegaMix Calibration Mix

Acetonitrile (75-05-8)
Acrylonitrile (107-13-1)
Allyl chloride (3-chloropropene) (107-05-1)
Benzene (71-43-2)
Bromobenzene (108-86-1)
Bromochloromethane (74-97-5)
Bromodichloromethane (75-27-4)
Bromoform (75-25-2)
n-Butylbenzene (104-51-8)
sec-Butylbenzene (135-98-8)
tert-Butylbenzene (98-06-6)
Carbon disulfide (75-15-0)
Carbon tetrachloride (56-23-5)
Chlorobenzene (108-90-7)
2-Chloroethanol (107-07-3)
Chloroform (67-66-3)
Chloroprene (2-chloro-1,3-butadiene) (126-99-8)
2-Chlorotoluene (95-49-8)
4-Chlorotoluene (106-43-4)
Dibromochloromethane (124-48-1)
1,2-Dibromo-3-chloropropane (DBCP) (96-12-8)
1,2-Dibromoethane (EDB) (106-93-4)
Dibromomethane (74-95-3)
1,2-Dichlorobenzene (95-50-1)
1,3-Dichlorobenzene (541-73-1)
1,4-Dichlorobenzene (106-46-7)
cis-1,4-Dichloro-2-butene (1476-11-5)
trans-1,4-Dichloro-2-butene (110-57-6)
1,1-Dichloroethane (75-34-3)
1,2-Dichloroethane (107-06-2)
1,1-Dichloroethene (75-35-4)
cis-1,2-Dichloroethene (156-59-2)
trans-1,2-Dichloroethene (156-60-5)
1,2-Dichloropropane (78-87-5)
1,3-Dichloropropane (142-28-9)
2,2-Dichloropropane (594-20-7)
1,1-Dichloropropene (563-58-6)
cis-1,3-Dichloropropene (10061-01-5)
trans-1,3-Dichloropropene (10061-02-6)
Diethyl ether (ethyl ether) (60-29-7)
1,4-Dioxane (123-91-1)
Ethylbenzene (100-41-4)
Ethyl methacrylate (97-63-2)
Hexachloro-1,3-butadiene (87-68-3)
Iodomethane (methyl iodide) (74-88-4)
Isobutyl alcohol (2-methyl-1-propanol) (78-83-1)
Isopropylbenzene (cumene) (98-82-8)
4-Isopropyltoluene (*p*-Cymene) (99-87-6)
Methacrylonitrile (126-98-7)
Methyl acrylate (96-33-3)
Methyl methacrylate (80-62-6)
Methylene chloride (dichloromethane) (75-09-2)
Naphthalene (91-20-3)
Nitrobenzene (98-95-3)
2-Nitropropane (79-46-9)
Pentachloroethane (76-01-7)
Propionitrile (107-12-0)
n-Propylbenzene (103-65-1)
Styrene (100-42-5)
1,1,1,2-Tetrachloroethane (630-20-6)
1,1,2,2-Tetrachloroethane (79-34-5)
Tetrachloroethene (127-18-4)
Tetrahydrofuran (109-99-9)
Toluene (108-88-3)
1,2,3-Trichlorobenzene (87-61-6)
1,2,4-Trichlorobenzene (120-82-1)
1,1,1-Trichloroethane (71-55-6)
1,1,2-Trichloroethane (79-00-5)
Trichloroethene (79-01-6)
1,2,3-Trichloropropane (96-18-4)
1,1,2-Trichlorotrifluoroethane (CFC-113) (76-13-1)
1,2,4-Trimethylbenzene (95-63-6)
1,3,5-Trimethylbenzene (108-67-8)
m-Xylene (108-38-3)
o-Xylene (95-47-6)
p-Xylene (106-42-3)

30265: 2-Chloroethyl Vinyl Ether

2-Chloroethyl vinyl ether (110-75-8)

Description	CRM?	Min Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
8260 MegaMix Calibration Mix Kit	Yes	6 months	Ambient	0 °C or colder	kit	30475

8260 MegaMix Calibration Mix, Revised (75 components)

Acetonitrile (75-05-8)
Acrylonitrile (107-13-1)
Allyl chloride (3-chloropropene) (107-05-1)
Benzene (71-43-2)
Bromobenzene (108-86-1)
Bromochloromethane (74-97-5)
Bromodichloromethane (75-27-4)
Bromoform (75-25-2)
n-Butylbenzene (104-51-8)
sec-Butylbenzene (135-98-8)
tert-Butylbenzene (98-06-6)
Carbon disulfide (75-15-0)
Carbon tetrachloride (56-23-5)
Chlorobenzene (108-90-7)
2-Chloroethanol (107-07-3)
Chloroform (67-66-3)
Chloroprene (2-chloro-1,3-butadiene) (126-99-8)
2-Chlorotoluene (95-49-8)
4-Chlorotoluene (106-43-4)
Dibromochloromethane (124-48-1)
1,2-Dibromo-3-chloropropane (DBCP) (96-12-8)
1,2-Dibromoethane (EDB) (106-93-4)
Dibromomethane (74-95-3)
1,2-Dichlorobenzene (95-50-1)
1,3-Dichlorobenzene (541-73-1)
1,4-Dichlorobenzene (106-46-7)
cis-1,4-Dichloro-2-butene (1476-11-5)
trans-1,4-Dichloro-2-butene (110-57-6)
1,1-Dichloroethane (75-34-3)
1,2-Dichloroethane (107-06-2)
1,1-Dichloroethene (75-35-4)
cis-1,2-Dichloroethene (156-59-2)
trans-1,2-Dichloroethene (156-60-5)
1,2-Dichloropropane (78-87-5)
1,3-Dichloropropane (142-28-9)
2,2-Dichloropropane (594-20-7)
1,1-Dichloropropene (563-58-6)
cis-1,3-Dichloropropene (10061-01-5)
trans-1,3-Dichloropropene (10061-02-6)
Diethyl ether (ethyl ether) (60-29-7)
1,4-Dioxane (123-91-1)
Ethylbenzene (100-41-4)
Ethyl methacrylate (97-63-2)
Hexachloro-1,3-butadiene (87-68-3)
Iodomethane (methyl iodide) (74-88-4)
Isobutyl alcohol (2-methyl-1-propanol) (78-83-1)
Isopropylbenzene (cumene) (98-82-8)
4-Isopropyltoluene (*p*-cymene) (99-87-6)
Methacrylonitrile (126-98-7)
Methyl acrylate (96-33-3)
Methyl methacrylate (80-62-6)
Methylene chloride (dichloromethane) (75-09-2)
Naphthalene (91-20-3)
Nitrobenzene (98-95-3)
2-Nitropropane (79-46-9)
Propionitrile (107-12-0)
n-Propylbenzene (103-65-1)
Styrene (100-42-5)
1,1,1,2-Tetrachloroethane (630-20-6)
1,1,2,2-Tetrachloroethane (79-34-5)
Tetrachloroethene (127-18-4)
Tetrahydrofuran (109-99-9)
Toluene (108-88-3)
1,2,3-Trichlorobenzene (87-61-6)
1,2,4-Trichlorobenzene (120-82-1)
1,1,1-Trichloroethane (71-55-6)
1,1,2-Trichloroethane (79-00-5)
Trichloroethene (79-01-6)
1,2,3-Trichloropropane (96-18-4)
1,1,2-Trichlorotrifluoroethane (CFC-113) (76-13-1)
1,2,4-Trimethylbenzene (95-63-6)
1,3,5-Trimethylbenzene (108-67-8)
m-Xylene (108-38-3)
o-Xylene (95-47-6)
p-Xylene (106-42-3)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	36 months	Ambient	0 °C or colder	ea.	30152

8260 Surrogate Mix (3 components)

1-Bromo-4-fluorobenzene (BFB) (460-00-4)
Dibromofluoromethane (1868-53-7)
Toluene-d8 (2037-26-5)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2500 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	60 months	Ambient	0 °C or colder	ea.	30073

8260 Volatile Organics Kit (2000 µg/mL)

Contains 1 mL each of these mixtures.

30042: 502.2 Calibration Mix #1 (gases)
Bromomethane (methyl bromide) (74-83-9)
Chloroethane (ethyl chloride) (75-00-3)
Chloromethane (methyl chloride) (74-87-3)
Dichlorodifluoromethane (CFC-12) (75-71-8)
Trichlorofluoromethane (CFC-11) (75-69-4)
Vinyl chloride (75-01-4)

30043: 502.2 Calibration Mix #2
Bromodichloromethane (75-27-4)
Bromoform (75-25-2)
Carbon tetrachloride (56-23-5)
Chloroform (67-66-3)
1,1-Dichloroethane (75-34-3)
1,1-Dichloroethene (75-35-4)
trans-1,2-Dichloroethene (156-60-5)
1,3-Dichloropropane (142-28-9)
2,2-Dichloropropane (594-20-7)
cis-1,3-Dichloropropene (10061-01-5)
trans-1,3-Dichloropropene (10061-02-6)
Methylene chloride (dichloromethane) (75-09-2)
1,1,1-Trichloroethane (71-55-6)
Trichloroethene (79-01-6)

30044: 502.2 Calibration Mix #3
Bromochloromethane (74-97-5)
Dibromochloromethane (124-48-1)
1,2-Dibromo-3-chloropropane (96-12-8)
1,2-Dibromoethane (EDB) (106-93-4)
Dibromomethane (74-95-3)
1,2-Dichloroethane (107-06-2)
cis-1,2-Dichloroethene (156-59-2)
1,2-Dichloropropane (78-87-5)
1,1-Dichloropropene (563-58-6)
1,1,1,2-Tetrachloroethane (630-20-6)
1,1,2,2-Tetrachloroethane (79-34-5)
Tetrachloroethene (127-18-4)
1,1,2-Trichloroethane (79-00-5)
1,2,3-Trichloropropane (96-18-4)

30045: 502.2 Calibration Mix #4
Benzene (71-43-2)
tert-Butylbenzene (98-06-6)
Chlorobenzene (108-90-7)
Isopropylbenzene (cumene) (98-82-8)
n-Propylbenzene (103-65-1)
Styrene (100-42-5)
Toluene (108-88-3)
1,3,5-Trimethylbenzene (108-67-8)
m-Xylene (108-38-3)

30046: 502.2 Calibration Mix #5
Bromobenzene (108-86-1)
n-Butylbenzene (104-51-8)
sec-Butylbenzene (135-98-8)
2-Chlorotoluene (95-49-8)
1,3-Dichlorobenzene (541-73-1)
Ethylbenzene (100-41-4)
1,2,4-Trichlorobenzene (120-82-1)
1,2,4-Trimethylbenzene (95-63-6)
o-Xylene (95-47-6)
p-Xylene (106-42-3)

30047: 502.2 Calibration Mix #6
4-Chlorotoluene (106-43-4)
1,2-Dichlorobenzene (95-50-1)
1,4-Dichlorobenzene (106-46-7)
Hexachlorobutadiene (87-68-3)
4-Isopropyltoluene (*p*-Cymene) (99-87-6)
Naphthalene (91-20-3)
1,2,3-Trichlorobenzene (87-61-6)

30067: 1-Bromo-4-fluorobenzene (BFB)
1-Bromo-4-fluorobenzene (BFB) (460-00-4)

30073: 8260 Surrogate Mix
1-Bromo-4-fluorobenzene (BFB) (460-00-4)
Dibromofluoromethane (1868-53-7)
Toluene-d8 (2037-26-5)

30074: 8260 Internal Standard Mix
Chlorobenzene-d5 (3114-55-4)
1,4-Dichlorobenzene-d4 (3855-82-1)
1,4-Difluorobenzene (540-36-3)
Pentafluorobenzene (363-72-4)

30075: 8240/8260 System Performance Check Mix
Bromoform (75-25-2)
Chlorobenzene (108-90-7)
Chloromethane (methyl chloride) (74-87-3)
1,1-Dichloroethane (75-34-3)
1,1,2,2-Tetrachloroethane (79-34-5)

30005: VOA Matrix Spike Mix
Benzene (71-43-2)
Chlorobenzene (108-90-7)
1,1-Dichloroethene (75-35-4)
Toluene (108-88-3)
Trichloroethene (79-01-6)

Description	CRM?	Min Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
8260 Volatile Organics Kit	Yes	6 months	Ambient	0 °C or colder	kit	30076

8260A Internal Standard Mix (3 components)

Chlorobenzene-d5 (3114-55-4)
1,4-Dichlorobenzene-d4 (3855-82-1)
Fluorobenzene (462-06-6)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2500 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	60 months	Ambient	0 °C or colder	ea.	30241

8260A Surrogate Mix (4 components)

1-Bromo-4-fluorobenzene (BFB) (460-00-4)
Dibromofluoromethane (1868-53-7)
1,2-Dichloroethane-d4 (17060-07-0)
Toluene-d8 (2037-26-5)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2500 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	60 months	Ambient	0 °C or colder	ea.	30240

8260A Volatile Organics Kit (2000 µg/mL)

Contains 1 mL each of these mixtures.

30042: 502.2 Calibration Mix #1 (gases)
Bromomethane (methyl bromide) (74-83-9)
Chloroethane (ethyl chloride) (75-00-3)
Chloromethane (methyl chloride) (74-87-3)
Dichlorodifluoromethane (CFC-12) (75-71-8)
Trichlorofluoromethane (CFC-11) (75-69-4)
Vinyl chloride (75-01-4)

30043: 502.2 Calibration Mix #2
Bromodichloromethane (75-27-4)
Bromoform (75-25-2)
Carbon tetrachloride (56-23-5)
Chloroform (67-66-3)
1,1-Dichloroethane (75-34-3)
1,1-Dichloroethene (75-35-4)
trans-1,2-Dichloroethene (156-60-5)
1,3-Dichloropropane (142-28-9)
2,2-Dichloropropane (594-20-7)
cis-1,3-Dichloropropene (10061-01-5)
trans-1,3-Dichloropropene (10061-02-6)
Methylene chloride (dichloromethane) (75-09-2)
1,1,1-Trichloroethane (71-55-6)
Trichloroethene (79-01-6)

30044: 502.2 Calibration Mix #3
Bromochloromethane (74-97-5)
Dibromochloromethane (124-48-1)
1,2-Dibromo-3-chloropropane (96-12-8)
1,2-Dibromoethane (EDB) (106-93-4)
Dibromomethane (74-95-3)
1,2-Dichloroethane (107-06-2)
cis-1,2-Dichloroethene (156-59-2)
1,2-Dichloropropane (78-87-5)
1,1-Dichloropropene (563-58-6)
1,1,1,2-Tetrachloroethane (630-20-6)
1,1,2,2-Tetrachloroethane (79-34-5)
Tetrachloroethene (127-18-4)
1,1,2-Trichloroethane (79-00-5)
1,2,3-Trichloropropane (96-18-4)

30045: 502.2 Calibration Mix #4
Benzene (71-43-2)
tert-Butylbenzene (98-06-6)
Chlorobenzene (108-90-7)
Isopropylbenzene (cumene) (98-82-8)
n-Propylbenzene (103-65-1)
Styrene (100-42-5)
Toluene (108-88-3)
1,3,5-Trimethylbenzene (108-67-8)
m-Xylene (108-38-3)

30046: 502.2 Calibration Mix #5
Bromobenzene (108-86-1)
n-Butylbenzene (104-51-8)
sec-Butylbenzene (135-98-8)
2-Chlorotoluene (95-49-8)
1,3-Dichlorobenzene (541-73-1)
Ethylbenzene (100-41-4)
1,2,4-Trichlorobenzene (120-82-1)
1,2,4-Trimethylbenzene (95-63-6)
o-Xylene (95-47-6)
p-Xylene (106-42-3)

30047: 502.2 Calibration Mix #6
4-Chlorotoluene (106-43-4)
1,2-Dichlorobenzene (95-50-1)
1,4-Dichlorobenzene (106-46-7)
Hexachlorobutadiene (87-68-3)
4-Isopropyltoluene (*p*-Cymene) (99-87-6)
Naphthalene (91-20-3)
1,2,3-Trichlorobenzene (87-61-6)

30067: 1-Bromo-4-fluorobenzene (BFB)
1-Bromo-4-fluorobenzene (BFB) (460-00-4)

30240: 8260A Surrogate Mix
1-Bromo-4-fluorobenzene (BFB) (460-00-4)
Dibromofluoromethane (1868-53-7)
1,2-Dichloroethane-d4 (17060-07-0)
Toluene-d8 (2037-26-5)

30241: 8260A Internal Standard Mix
Chlorobenzene-d5 (3114-55-4)
1,4-Dichlorobenzene-d4 (3855-82-1)
Fluorobenzene (462-06-6)

30075: 8240/8260 System Performance Check Mix
Bromoform (75-25-2)
Chlorobenzene (108-90-7)
Chloromethane (methyl chloride) (74-87-3)
1,1-Dichloroethane (75-34-3)
1,1,2,2-Tetrachloroethane (79-34-5)

30005: VOA Matrix Spike Mix
Benzene (71-43-2)
Chlorobenzene (108-90-7)
1,1-Dichloroethene (75-35-4)
Toluene (108-88-3)
Trichloroethene (79-01-6)

Description	CRM?	Min Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
8260A Volatile Organics Kit	Yes	6 months	Ambient	0 °C or colder	kit	30242

8260B Acetates Mix (7 components)

n-Amyl acetate (628-63-7)
Butyl acetate (123-86-4)
Ethyl acetate (141-78-6)
Isopropyl acetate (108-21-4)
Methyl acetate (79-20-9)
Propyl acetate (109-60-4)
Vinyl acetate (108-05-4)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	18 months	On Ice	–20 °C or colder	ea.	30489

8270 Acid Calibration Check Mix (6 components)

4-Chloro-3-methylphenol (59-50-7)
2,4-Dichlorophenol (120-83-2)
2-Nitrophenol (88-75-5)
Pentachlorophenol (87-86-5)
Phenol (108-95-2)
2,4,6-Trichlorophenol (88-06-2)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in methylene chloride, 1 mL/ampul	Yes	6 months	36 months	Ambient	10 °C or colder	ea.	31617

8270 B/N Calibration Check Mix (7 components)

Acenaphthene (83-32-9)
Benzo[a]pyrene (50-32-8)
1,4-Dichlorobenzene (106-46-7)
Di-*n*-octyl phthalate (117-84-0)
Diphenylamine (122-39-4)
Fluoranthene (206-44-0)
Hexachlorobutadiene (87-68-3)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in methylene chloride, 1 mL/ampul	Yes	6 months	36 months	Ambient	10 °C or colder	ea.	31616

8270 Benzidines Mix (3 components)

Benzidine (92-87-5)
3,3'-Dichlorobenzidine (91-94-1)
3,3'-Dimethylbenzidine (*o*-tolidine) (119-93-7)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in methanol, 1 mL/ampul	Yes	6 months	55 months	Ambient	10 °C or colder	ea.	31688
2000 µg/mL each in methylene chloride, 1 mL/ampul	Yes	6 months	55 months	Ambient	10 °C or colder	ea.	31852

8270 Calibration Kit (2000 µg/mL)

Contains 1 mL each of these mixtures.

31618: 8270 Calibration Mix #1
Benzoic acid (65-85-0)
4-Chloro-3-methylphenol (59-50-7)
2-Chlorophenol (95-57-8)
2,4-Dichlorophenol (120-83-2)
2,6-Dichlorophenol (87-65-0)
2,4-Dimethylphenol (105-67-9)
4,6-Dinitro-2-methylphenol (Dinitro-*o*-cresol) (534-52-1)
2,4-Dinitrophenol (51-28-5)
Dinoseb (88-85-7)
2-Methylphenol (*o*-cresol) (95-48-7)
3-Methylphenol (*m*-cresol) (108-39-4)
4-Methylphenol (*p*-cresol) (106-44-5)
2-Nitrophenol (88-75-5)
4-Nitrophenol (100-02-7)
Pentachlorophenol (87-86-5)
Phenol (108-95-2)
2,3,4,6-Tetrachlorophenol (58-90-2)
2,4,5-Trichlorophenol (95-95-4)
2,4,6-Trichlorophenol (88-06-2)

31619: 8270 Calibration Mix #2
Aniline (62-53-3)
Benzidine (92-87-5)
4-Chloroaniline (106-47-8)
3,3'-Dichlorobenzidine (91-94-1)
Diphenylamine (122-39-4)*
2-Nitroaniline (88-74-4)
3-Nitroaniline (99-09-2)
4-Nitroaniline (100-01-6)
N-Nitrosodimethylamine (62-75-9)
N-Nitroso-di-*n*-propylamine (621-64-7)
Pyridine (110-86-1)

31620: 8270 Calibration Mix #3
Aramite (140-57-8)
Bis(2-chloroethyl)ether (111-44-4)
Bis(2-chloroethoxy)methane (111-91-1)
4-Bromophenyl phenyl ether (101-55-3)
Chlorobenzilate (510-15-6)
2-Chloronaphthalene (91-58-7)
4-Chlorophenyl phenyl ether (7005-72-3)
1,2-Dichlorobenzene (95-50-1)
1,3-Dichlorobenzene (541-73-1)
1,4-Dichlorobenzene (106-46-7)
1,3-Dinitrobenzene (99-65-0)
Hexachlorobenzene (118-74-1)
Hexachlorobutadiene (87-68-3)
Hexachlorocyclopentadiene (77-47-4)
Hexachloroethane (67-72-1)
Hexachloropropene (1888-71-7)
Isodrin (465-73-6)
Kepone (143-50-0)
2,2'-Oxybis(1-chloropropane) (108-60-1)
Pentachlorobenzene (608-93-5)
Pentachloronitrobenzene (Quintozene) (82-68-8)
1,2,4,5-Tetrachlorobenzene (95-94-3)
1,2,4-Trichlorobenzene (120-82-1)

31621: 8270 Calibration Mix #4
Acetophenone (98-86-2)
Azobenzene (103-33-3)*
Benzyl alcohol (100-51-6)
Bis(2-ethylhexyl)phthalate (117-81-7)
Benzyl butyl phthalate (85-68-7)
Dibenzofuran (132-64-9)
Diethylphthalate (84-66-2)
Dimethylphthalate (131-11-3)
Di-*n*-butyl phthalate (84-74-2)
Di-*n*-octyl phthalate (117-84-0)
2,4-Dinitrotoluene (121-14-2)
2,6-Dinitrotoluene (606-20-2)
Ethyl methanesulfonate (62-50-0)
Isophorone (78-59-1)
Isosafrole (*cis* & *trans*) (120-58-1)
Methyl methanesulfonate (66-27-3)
1,4-Naphthoquinone (130-15-4)
Nitrobenzene (98-95-3)
4-Nitroquinoline-N-oxide (56-57-5)
Phenacetin (62-44-2)
Safrole (94-59-7)
1,3,5-Trinitrobenzene (99-35-4)

31995: 8270 Calibration Mix #5, Revised
Acenaphthene (83-32-9)
Acenaphthylene (208-96-8)
Anthracene (120-12-7)
Benz[a]anthracene (56-55-3)
Benzo[a]pyrene (50-32-8)
Benzo[b]fluoranthene (205-99-2)
Benzo[g,h,i]perylene (191-24-2)
Benzo[k]fluoranthene (207-08-9)
Chrysene (218-01-9)
Dibenz[a,h]anthracene (53-70-3)
Fluoranthene (206-44-0)
Fluorene (86-73-7)
Indeno[1,2,3-cd]pyrene (193-39-5)
1-Methylnaphthalene (90-12-0)
2-Methylnaphthalene (91-57-6)
Naphthalene (91-20-3)
Phenanthrene (85-01-8)
Pyrene (129-00-0)

31996: 3-Methylcholanthrene Standard
3-Methylcholanthrene (56-49-5)

Description	CRM?	Min Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
8270 Calibration Kit	Yes	3 months	Ambient	0 °C or colder	kit	31626

*N-nitrosodiphenylamine (8270-listed analyte) decomposes to diphenylamine (mix component) in the injector.
1,2-diphenylhydrazine (8270-listed analyte) decomposes to azobenzene (mix component) in the injector.

8270 Calibration Mix #1 (19 components)

Benzoic acid (65-85-0)
4-Chloro-3-methylphenol (59-50-7)
2-Chlorophenol (95-57-8)
2,4-Dichlorophenol (120-83-2)
2,6-Dichlorophenol (87-65-0)
2,4-Dimethylphenol (105-67-9)
4,6-Dinitro-2-methylphenol (Dinitro-*o*-cresol) (534-52-1)
2,4-Dinitrophenol (51-28-5)
Dinoseb (88-85-7)
2-Methylphenol (*o*-cresol) (95-48-7)
3-Methylphenol (*m*-cresol) (108-39-4)
4-Methylphenol (*p*-cresol) (106-44-5)
2-Nitrophenol (88-75-5)
4-Nitrophenol (100-02-7)
Pentachlorophenol (87-86-5)
Phenol (108-95-2)
2,3,4,6-Tetrachlorophenol (58-90-2)
2,4,5-Trichlorophenol (95-95-4)
2,4,6-Trichlorophenol (88-06-2)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in methylene chloride, 1 mL/ampul	Yes	6 months	39 months	Ambient	10 °C or colder	ea.	31618

8270 Calibration Mix #2 (11 components)

Aniline (62-53-3)
Benzidine (92-87-5)
4-Chloroaniline (106-47-8)
3,3'-Dichlorobenzidine (91-94-1)
Diphenylamine (122-39-4)*
2-Nitroaniline (88-74-4)
3-Nitroaniline (99-09-2)
4-Nitroaniline (100-01-6)
N-Nitrosodimethylamine (62-75-9)
N-Nitroso-di-*n*-propylamine (621-64-7)
Pyridine (110-86-1)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in methylene chloride:methanol (85:15), 1 mL/ampul	Yes	6 months	24 months	Ambient	10 °C or colder	ea.	31619

*N-nitrosodiphenylamine (8270-listed analyte) decomposes to diphenylamine (mix component) in the injector.

8270 Calibration Mix #3 (23 components)

Aramite (140-57-8)
Bis(2-chloroethyl)ether (111-44-4)
Bis(2-chloroethoxy)methane (111-91-1)
4-Bromophenyl phenyl ether (101-55-3)
Chlorobenzilate (510-15-6)
2-Chloronaphthalene (91-58-7)
4-Chlorophenyl phenyl ether (7005-72-3)
1,2-Dichlorobenzene (95-50-1)
1,3-Dichlorobenzene (541-73-1)
1,4-Dichlorobenzene (106-46-7)
1,3-Dinitrobenzene (99-65-0)
Hexachlorobenzene (118-74-1)
Hexachlorobutadiene (87-68-3)
Hexachlorocyclopentadiene (77-47-4)
Hexachloroethane (67-72-1)
Hexachloropropene (1888-71-7)
Isodrin (465-73-6)
Kepone (143-50-0)
2,2'-Oxybis(1-chloropropane) (108-60-1)
Pentachlorobenzene (608-93-5)
Pentachloronitrobenzene (Quintozene) (82-68-8)
1,2,4,5-Tetrachlorobenzene (95-94-3)
1,2,4-Trichlorobenzene (120-82-1)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in methylene chloride, 1 mL/ampul	Yes	6 months	36 months	Ambient	0 °C or colder	ea.	31620

8270 Calibration Mix #4 (22 components)

Acetophenone (98-86-2)
Azobenzene (103-33-3)*
Benzyl alcohol (100-51-6)
Bis(2-ethylhexyl)phthalate (117-81-7)
Benzyl butyl phthalate (85-68-7)
Dibenzofuran (132-64-9)
Diethylphthalate (84-66-2)
Dimethylphthalate (131-11-3)
Di-*n*-butyl phthalate (84-74-2)
Di-*n*-octyl phthalate (117-84-0)
2,4-Dinitrotoluene (121-14-2)
2,6-Dinitrotoluene (606-20-2)
Ethyl methanesulfonate (62-50-0)
Isophorone (78-59-1)
Isosafrole (*cis* & *trans*) (120-58-1)
Methyl methanesulfonate (66-27-3)
1,4-Naphthoquinone (130-15-4)
Nitrobenzene (98-95-3)
4-Nitroquinoline-N-oxide (56-57-5)
Phenacetin (62-44-2)
Safrole (94-59-7)
1,3,5-Trinitrobenzene (99-35-4)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in methylene chloride, 1 mL/ampul	Yes	6 months	38 months	Ambient	10 °C or colder	ea.	31621

*1,2-diphenylhydrazine (8270-listed analyte) decomposes to azobenzene (mix component) in the injector.

8270 Calibration Mix #5, Revised (18 components)

Acenaphthene (83-32-9)
Acenaphthylene (208-96-8)
Anthracene (120-12-7)
Benz[a]anthracene (56-55-3)
Benzo[a]pyrene (50-32-8)
Benzo[b]fluoranthene (205-99-2)
Benzo[g,h,i]perylene (191-24-2)
Benzo[k]fluoranthene (207-08-9)
Chrysene (218-01-9)
Dibenz[a,h]anthracene (53-70-3)
Fluoranthene (206-44-0)
Fluorene (86-73-7)
Indeno[1,2,3-cd]pyrene (193-39-5)
1-Methylnaphthalene (90-12-0)
2-Methylnaphthalene (91-57-6)
Naphthalene (91-20-3)
Phenanthrene (85-01-8)
Pyrene (129-00-0)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in methylene chloride, 1 mL/ampul	Yes	6 months	71 months	Ambient	10 °C or colder	ea.	31995

8270 Calibration Mix #6 (10 components)

Diallate (*cis* & *trans*) (2303-16-4)
Dimethoate (60-51-5)
Disulfoton (298-04-4)
Famphur (52-85-7)
Methyl parathion (298-00-0)
Parathion (ethyl parathion) (56-38-2)
Phorate (298-02-2)
Propyzamide (23950-58-5)
0,0,0-Triethyl phosphorothioate (126-68-1)
Zinophos (Thionazine) (297-97-2)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in methylene chloride, 1 mL/ampul	Yes	6 months	36 months	Ambient	10 °C or colder	ea.	31623

8270 Matrix Spike Mix (76 components)

Acenaphthene (83-32-9)
Acenaphthylene (208-96-8)
Aniline (62-53-3)
Anthracene (120-12-7)
Azobenzene (103-33-3)*
Benz[a]anthracene (56-55-3)
Benzo[a]pyrene (50-32-8)
Benzo[b]fluoranthene (205-99-2)
Benzo[g,h,i]perylene (191-24-2)
Benzo[k]fluoranthene (207-08-9)
Benzyl alcohol (100-51-6)
Benzyl butyl phthalate (85-68-7)
Bis(2-ethylhexyl)adipate (103-23-1)
Bis(2-chloroethoxy)methane (111-91-1)
Bis(2-chloroethyl)ether (111-44-4)
Bis(2-ethylhexyl)phthalate (117-81-7)
4-Bromophenyl phenyl ether (101-55-3)
Carbazole (86-74-8)
4-Chloroaniline (106-47-8)
4-Chloro-3-methylphenol (59-50-7)
2-Chloronaphthalene (91-58-7)
2-Chlorophenol (95-57-8)
4-Chlorophenyl phenyl ether (7005-72-3)
Chrysene (218-01-9)
Dibenz[a,h]anthracene (53-70-3)
Dibenzofuran (132-64-9)
1,2-Dichlorobenzene (95-50-1)
1,3-Dichlorobenzene (541-73-1)
1,4-Dichlorobenzene (106-46-7)
2,4-Dichlorophenol (120-83-2)
Diethylphthalate (84-66-2)
Dimethylphthalate (131-11-3)
2,4-Dimethylphenol (105-67-9)
1,2-Dinitrobenzene (528-29-0)
1,3-Dinitrobenzene (99-65-0)
1,4-Dinitrobenzene (100-25-4)
4,6-Dinitro-2-methylphenol (Dinitro-*o*-cresol) (534-52-1)
2,4-Dinitrophenol (51-28-5)
2,4-Dinitrotoluene (121-14-2)
2,6-Dinitrotoluene (606-20-2)
Di-*n*-butyl phthalate (84-74-2)
Di-*n*-octyl phthalate (117-84-0)
Diphenylamine (122-39-4)**
Fluorene (86-73-7)
Fluoranthene (206-44-0)
Hexachlorobenzene (118-74-1)
Hexachlorobutadiene (87-68-3)
Hexachlorocyclopentadiene (77-47-4)
Hexachloroethane (67-72-1)
Indeno[1,2,3-cd]pyrene (193-39-5)
Isophorone (78-59-1)
1-Methylnaphthalene (90-12-0)
2-Methylnaphthalene (91-57-6)
2-Methylphenol (*o*-cresol) (95-48-7)
3-Methylphenol (*m*-cresol) (108-39-4)
4-Methylphenol (*p*-cresol) (106-44-5)
Naphthalene (91-20-3)
2-Nitroaniline (88-74-4)
3-Nitroaniline (99-09-2)
4-Nitroaniline (100-01-6)
Nitrobenzene (98-95-3)
2-Nitrophenol (88-75-5)
4-Nitrophenol (100-02-7)
N-Nitrosodimethylamine (62-75-9)
N-Nitroso-di-*n*-propylamine (621-64-7)
2,2'-Oxybis(1-chloropropane) (108-60-1)
Pentachlorophenol (87-86-5)
Phenanthrene (85-01-8)
Phenol (108-95-2)
Pyrene (129-00-0)
Pyridine (110-86-1)
2,3,4,6-Tetrachlorophenol (58-90-2)
2,3,5,6-Tetrachlorophenol (935-95-5)
1,2,4-Trichlorobenzene (120-82-1)
2,4,5-Trichlorophenol (95-95-4)
2,4,6-Trichlorophenol (88-06-2)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
200 µg/mL each in methanol:methylene chloride (80:20) (3-methylphenol and 4-methylphenol at 100 µg/mL), 5 mL/ampul	Yes	6 months	18 months	Ambient	0 °C or colder	ea.	31687
	Yes	6 months		Ambient	0 °C or colder	15-pk.	31687.15
200 µg/mL each in methanol:methylene chloride (80:20) (3-methylphenol and 4-methylphenol at 100 µg/mL), 10 mL/ampul	Yes	6 months	18 months	Ambient	0 °C or colder	ea.	33073

*1,2-diphenylhydrazine (8270-listed analyte) decomposes to azobenzene (mix component) in the injector.
**N-nitrosodiphenylamine (8270-listed analyte) decomposes to diphenylamine (mix component) in the injector.

8270 MegaMix Standard (76 components)

Acenaphthene (83-32-9)
Acenaphthylene (208-96-8)
Aniline (62-53-3)
Anthracene (120-12-7)
Azobenzene (103-33-3)*
Benz[a]anthracene (56-55-3)
Benzo[a]pyrene (50-32-8)
Benzo[b]fluoranthene (205-99-2)
Benzo[g,h,i]perylene (191-24-2)
Benzo[k]fluoranthene (207-08-9)
Benzyl alcohol (100-51-6)
Benzyl butyl phthalate (85-68-7)
Bis(2-chloroethoxy)methane (111-91-1)
Bis(2-chloroethyl)ether (111-44-4)
Bis(2-ethylhexyl)adipate (103-23-1)
Bis(2-ethylhexyl)phthalate (117-81-7)
4-Bromophenyl phenyl ether (101-55-3)
Carbazole (86-74-8)
4-Chloroaniline (106-47-8)
4-Chloro-3-methylphenol (59-50-7)
2-Chloronaphthalene (91-58-7)
2-Chlorophenol (95-57-8)
4-Chlorophenyl phenyl ether (7005-72-3)
Chrysene (218-01-9)
Dibenz[a,h]anthracene (53-70-3)
Dibenzofuran (132-64-9)
1,2-Dichlorobenzene (95-50-1)
1,3-Dichlorobenzene (541-73-1)
1,4-Dichlorobenzene (106-46-7)
2,4-Dichlorophenol (120-83-2)
Diethylphthalate (84-66-2)
2,4-Dimethylphenol (105-67-9)
Dimethylphthalate (131-11-3)
Di-*n*-butyl phthalate (84-74-2)
1,2-Dinitrobenzene (528-29-0)
1,3-Dinitrobenzene (99-65-0)
1,4-Dinitrobenzene (100-25-4)
4,6-Dinitro-2-methylphenol (Dinitro-*o*-cresol) (534-52-1)
2,4-Dinitrophenol (51-28-5)
2,4-Dinitrotoluene (121-14-2)
2,6-Dinitrotoluene (606-20-2)
Di-*n*-octyl phthalate (117-84-0)
Diphenylamine (122-39-4)**
Fluoranthene (206-44-0)
Fluorene (86-73-7)
Hexachlorobenzene (118-74-1)
Hexachlorobutadiene (87-68-3)
Hexachlorocyclopentadiene (77-47-4)
Hexachloroethane (67-72-1)
Indeno[1,2,3-cd]pyrene (193-39-5)
Isophorone (78-59-1)
1-Methylnaphthalene (90-12-0)
2-Methylnaphthalene (91-57-6)
2-Methylphenol (*o*-cresol) (95-48-7)
3-Methylphenol (*m*-cresol) (108-39-4)
4-Methylphenol (*p*-cresol) (106-44-5)
Naphthalene (91-20-3)
2-Nitroaniline (88-74-4)
3-Nitroaniline (99-09-2)
4-Nitroaniline (100-01-6)
Nitrobenzene (98-95-3)
2-Nitrophenol (88-75-5)
4-Nitrophenol (100-02-7)
N-Nitrosodimethylamine (62-75-9)
N-Nitroso-di-*n*-propylamine (621-64-7)
2,2'-Oxybis(1-chloropropane) (108-60-1)
Pentachlorophenol (87-86-5)
Phenanthrene (85-01-8)
Phenol (108-95-2)
Pyrene (129-00-0)
Pyridine (110-86-1)
2,3,4,6-Tetrachlorophenol (58-90-2)
2,3,5,6-Tetrachlorophenol (935-95-5)
1,2,4-Trichlorobenzene (120-82-1)
2,4,5-Trichlorophenol (95-95-4)
2,4,6-Trichlorophenol (88-06-2)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
1000 µg/mL each in methylene chloride (3-methylphenol and 4-methylphenol at 500 µg/mL), 1 mL/ampul	Yes	6 months	18 months	Ambient	0 °C or colder	ea.	31850

*1,2-diphenylhydrazine (8270-listed analyte) decomposes to azobenzene (mix component) in the injector.
**N-nitrosodiphenylamine (8270-listed analyte) decomposes to diphenylamine (mix component) in the injector.

8270/Appendix IX Kit

Contains 1 mL each of these mixtures.

31850: 8270 MegaMix Standard

Acenaphthene (83-32-9)
Acenaphthylene (208-96-8)
Aniline (62-53-3)
Anthracene (120-12-7)
Azobenzene (103-33-3)*
Benz[a]anthracene (56-55-3)
Benzo[a]pyrene (50-32-8)
Benzo[b]fluoranthene (205-99-2)
Benzo[g,h,i]perylene (191-24-2)
Benzo[k]fluoranthene (207-08-9)
Benzyl alcohol (100-51-6)
Benzyl butyl phthalate (85-68-7)
Bis(2-chloroethoxy)methane (111-91-1)
Bis(2-chloroethyl)ether (111-44-4)
Bis(2-ethylhexyl)adipate (103-23-1)
Bis(2-ethylhexyl)phthalate (117-81-7)
4-Bromophenyl phenyl ether (101-55-3)
Carbazole (86-74-8)
4-Chloroaniline (106-47-8)
4-Chloro-3-methylphenol (59-50-7)
2-Chloronaphthalene (91-58-7)
2-Chlorophenol (95-57-8)
4-Chlorophenyl phenyl ether (7005-72-3)
Chrysene (218-01-9)
Dibenz[a,h]anthracene (53-70-3)
Dibenzofuran (132-64-9)
1,2-Dichlorobenzene (95-50-1)
1,3-Dichlorobenzene (541-73-1)
1,4-Dichlorobenzene (106-46-7)
2,4-Dichlorophenol (120-83-2)
Diethylphthalate (84-66-2)
2,4-Dimethylphenol (105-67-9)
Dimethylphthalate (131-11-3)
Di-*n*-butyl phthalate (84-74-2)
1,2-Dinitrobenzene (528-29-0)
1,3-Dinitrobenzene (99-65-0)
1,4-Dinitrobenzene (100-25-4)
4,6-Dinitro-2-methylphenol (Dinitro-*o*-cresol) (534-52-1)
2,4-Dinitrophenol (51-28-5)
2,4-Dinitrotoluene (121-14-2)
2,6-Dinitrotoluene (606-20-2)
Di-*n*-octyl phthalate (117-84-0)
Diphenylamine (122-39-4)**
Fluoranthene (206-44-0)
Fluorene (86-73-7)
Hexachlorobenzene (118-74-1)
Hexachlorobutadiene (87-68-3)
Hexachlorocyclopentadiene (77-47-4)
Hexachloroethane (67-72-1)
Indeno[1,2,3-cd]pyrene (193-39-5)
Isophorone (78-59-1)
1-Methylnaphthalene (90-12-0)
2-Methylnaphthalene (91-57-6)
2-Methylphenol (*o*-cresol) (95-48-7)
3-Methylphenol (*m*-cresol) (108-39-4)
4-Methylphenol (*p*-cresol) (106-44-5)
Naphthalene (91-20-3)
2-Nitroaniline (88-74-4)
3-Nitroaniline (99-09-2)
4-Nitroaniline (100-01-6)
Nitrobenzene (98-95-3)
2-Nitrophenol (88-75-5)
4-Nitrophenol (100-02-7)
N-Nitrosodimethylamine (62-75-9)
N-Nitroso-di-*n*-propylamine (621-64-7)
2,2'-Oxybis(1-chloropropane) (108-60-1)
Pentachlorophenol (87-86-5)
Phenanthrene (85-01-8)
Phenol (108-95-2)
Pyrene (129-00-0)
Pyridine (110-86-1)
2,3,4,6-Tetrachlorophenol (58-90-2)
2,3,5,6-Tetrachlorophenol (935-95-5)
1,2,4-Trichlorobenzene (120-82-1)
2,4,5-Trichlorophenol (95-95-4)
2,4,6-Trichlorophenol (88-06-2)

31834: 605 Benzidines Calibration Mix

Benzidine (92-87-5)
3,3'-Dichlorobenzidine (91-94-1)

32459: Appendix IX Mix #1, Revised

(Note: methapyrilene is not included in this revised standard.)
2-Acetylaminofluorene (53-96-3)
4-Aminobiphenyl (92-67-1)
p-Dimethylaminoazobenzene (60-11-7)
3,3'-Dimethylbenzidine (*o*-tolidine) (119-93-7)
α,α-Dimethylphenethylamine (phentermine) (122-09-8)
1-Naphthylamine (1-aminonaphthalene) (134-32-7)
2-Naphthylamine (2-aminonaphthalene) (91-59-8)
N-Nitrosodibutylamine (924-16-3)
N-Nitrosodiethylamine (55-18-5)
N-Nitrosomethylethylamine (10595-95-6)
N-Nitrosomorpholine (59-89-2)
N-Nitrosopiperidine (100-75-4)
N-Nitrosopyrrolidine (930-55-2)
5-Nitro-*o*-toluidine (99-55-8)
1,4-Phenylenediamine (106-50-3)
2-Picoline (109-06-8)
o-Toluidine (95-53-4)

32460: Methapyrilene Standard

Methapyrilene hydrochloride (135-23-9)

31806: Appendix IX Mix #2

Acetophenone (98-86-2)
Aramite (140-57-8)
Atrazine (1912-24-9)
Benzaldehyde (100-52-7)
Biphenyl (92-52-4)
ε-Caprolactam (105-60-2)
Chlorobenzilate (510-15-6)
1-Chloronaphthalene (90-13-1)
Diallate (2303-16-4)
Dibenz[a,j]acridine (224-42-0)
2,6-Dichlorophenol (87-65-0)
7,12-Dimethylbenz[a]anthracene (57-97-6)
1,4-Dioxane (123-91-1)
Diphenyl ether (101-84-8)
Ethyl methacrylate (97-63-2)
Ethyl methanesulfonate (62-50-0)
Hexachloropropene (1888-71-7)
Isodrin (465-73-6)
Isosafrole (*cis* & *trans*) (120-58-1)
Kepone (143-50-0)
3-Methylcholanthrene (56-49-5)
Methyl methanesulfonate (66-27-3)
1,4-Naphthoquinone (130-15-4)
4-Nitroquinoline-N-oxide (56-57-5)
Pentachlorobenzene (608-93-5)
Pentachloroethane (76-01-7)
Pentachloronitrobenzene (Quintozene) (82-68-8)
Phenacetin (62-44-2)
Propyzamide (23950-58-5)
Safrole (94-59-7)
1,2,4,5-Tetrachlorobenzene (95-94-3)
1,3,5-Trinitrobenzene (99-35-4)

Description	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
8270/Appendix IX Kit	Yes	6 months	18 months	Ambient	0 °C or colder	kit	31815

*1,2-diphenylhydrazine (8270-listed analyte) decomposes to azobenzene (mix component) in the injector.
**N-nitrosodiphenylamine (8270-listed analyte) decomposes to diphenylamine (mix component) in the injector.

8330 Calibration Mix #1 (7 components)

1,3-Dinitrobenzene (99-65-0)
2,4-Dinitrotoluene (121-14-2)
HMX (2691-41-0)
Nitrobenzene (98-95-3)
RDX (121-82-4)
1,3,5-Trinitrobenzene (99-35-4)
2,4,6-Trinitrotoluene (118-96-7)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
1000 µg/mL each in acetonitrile, 1 mL/ampul	Yes	6 months	60 months	Ambient	10 °C or colder	ea.	31450

8330 Calibration Mix #2 (7 components)

2-Amino-4,6-dinitrotoluene (35572-78-2)
4-Amino-2,6-dinitrotoluene (19406-51-0)
2,6-Dinitrotoluene (606-20-2)
2-Nitrotoluene (88-72-2)
3-Nitrotoluene (99-08-1)
4-Nitrotoluene (99-99-0)
Tetryl (479-45-8)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
1000 µg/mL each in acetonitrile, 1 mL/ampul	Yes	6 months	60 months	Ambient	10 °C or colder	ea.	31451

8330B Nitroaromatics and Nitramine Mix (17 components)

2-Amino-4,6-dinitrotoluene (35572-78-2)
4-Amino-2,6-dinitrotoluene (19406-51-0)
3,5-Dinitroaniline (618-87-1)
1,3-Dinitrobenzene (99-65-0)
2,4-Dinitrotoluene (121-14-2)
2,6-Dinitrotoluene (606-20-2)
HMX (2691-41-0)
Nitrobenzene (98-95-3)
Nitroglycerin (55-63-0)
2-Nitrotoluene (88-72-2)
3-Nitrotoluene (99-08-1)
4-Nitrotoluene (99-99-0)
PETN (78-11-5)
RDX (121-82-4)
Tetryl (479-45-8)
1,3,5-Trinitrobenzene (99-35-4)
2,4,6-Trinitrotoluene (118-96-7)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
1000 µg/mL each in acetonitrile, 1 mL/ampul	Yes	6 months	36 months	Ambient	10 °C or colder	ea.	33204

cis/*trans* FAME Mix (8 components)

Chain, Compound (CAS#), % by Weight
C18:1 *trans*-9 Methyl elaidate (2462-84-2), 10%
C18:2 *cis*-9,12 Methyl linoleate (112-63-0), 20%
C18:1 *cis*-9 Methyl oleate (112-62-9), 10%
C18:1 *cis*-6 Methyl petroselinate (2777-58-4), 8%
C18:1 *trans*-6 Methyl petroselaidate (14620-36-1), 8%
C18:0 Methyl stearate (112-61-8), 20%
C18:1 *trans*-11 Methyl transvaccenate (6198-58-9), 12%
C18:1 *cis*-11 Methyl vaccenate (1937-63-9), 12%

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
10 mg/mL total in methylene chloride, 1 mL/ampul	No	6 months	36 months	Ambient	0 °C or colder	No	ea.	35079

trans Fat Reference Standard (13 components)

Chain, Compound, % by Weight
C14:1T Methyl Myristelaidate, 6%
C15:1T Methyl 10-Transpentadecenoate, 6%
C16:1T Methyl Palmitelaidate, 6%
C17:1T Methyl 10-Transheptadecenoate, 6%
C18:1T Methyl Elaidate, 16%
C18:1T Methyl Petroselaidate, 4%
C18:1T Methyl Transvaccenate, 12%
C18:1T Methyl Ricinelaidate, 8%
C18:2TT Methyl Linoelaidate, 6%
C19:1T Methyl 7-Transnonadecenoate, 6%
C19:1T Methyl-10-Transnonadecenoate, 12%
C20:1T Methyl 11-Transeicosenoate, 6%
C22:1T Methyl Brassidate, 6%

Conc. in Solvent	CRM?	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
Neat blend, 6.0 – 16.0 wt/wt%, 100 mg/ampul	No	Ambient	0 °C or colder	No	ea.	35629

Acid Matrix Spike Mix (5 components)

4-Chloro-3-methylphenol (59-50-7)
2-Chlorophenol (95-57-8)
4-Nitrophenol (100-02-7)
Pentachlorophenol (87-86-5)
Phenol (108-95-2)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in methanol, 1 mL/ampul	Yes	6 months	39 months	Ambient	10 °C or colder	ea.	31014
7500 µg/mL each in methanol, 5 mL/ampul	Yes	6 months	36 months	Ambient	10 °C or colder	ea.	31085
10,000 µg/mL each in methanol, 1 mL/ampul	Yes	6 months	39 months	Ambient	10 °C or colder	ea.	31061
	Yes	6 months		Ambient	10 °C or colder	15-pk.	31061.15
10,000 µg/mL each in methanol, 5 mL/ampul	Yes	6 months	85 months	Ambient	10 °C or colder	ea.	31071

Acid Surrogate Mix (4/89 SOW) (3 components)

2-Fluorophenol (367-12-4)
Phenol-d6 (13127-88-3)
2,4,6-Tribromophenol (118-79-6)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in methanol, 1 mL/ampul	Yes	6 months	45 months	Ambient	10 °C or colder	ea.	31025
	Yes	6 months		Ambient	10 °C or colder	15-pk.	31025.15
	Yes	6 months		Ambient	10 °C or colder	25-pk.	31025.25
10,000 µg/mL each in methanol, 1 mL/ampul	Yes	6 months	60 months	Ambient	10 °C or colder	ea.	31063
	Yes	6 months		Ambient	10 °C or colder	15-pk.	31063.15
10,000 µg/mL each in methanol, 5 mL/ampul	Yes	6 months	96 months	Ambient	10 °C or colder	ea.	31087
10,000 µg/mL each in methanol, 10 mL/ampul	Yes	6 months	96 months	Ambient	10 °C or colder	ea.	33029

Acid Surrogate Standard Mix (3/90 SOW) (4 components)

2-Chlorophenol-d4 (93951-73-6)
2-Fluorophenol (367-12-4)
Phenol-d6 (13127-88-3)
2,4,6-Tribromophenol (118-79-6)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
1500 µg/mL each in methanol, 1 mL/ampul	Yes	6 months	96 months	Ambient	10 °C or colder	ea.	31003
7500 µg/mL each in methanol, 1 mL/ampul	Yes	6 months	54 months	Ambient	10 °C or colder	ea.	31073
7500 µg/mL each in methanol, 5 mL/ampul	Yes	6 months	54 months	Ambient	10 °C or colder	ea.	31083

Acrolein/Acrylonitrile (2 components)

Acrolein (107-02-8)
Acrylonitrile (107-13-1)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in DI water, 1 mL/ampul	Yes	6 months	18 months	On Ice	–20 °C or colder	ea.	30600

Aflatoxins (B1, B2, G1, G2) Standard (4 components)

Aflatoxin B1 (1162-65-8)
Aflatoxin B2 (7220-81-7)
Aflatoxin G1 (1165-39-5)
Aflatoxin G2 (7241-98-7)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
10 µg/mL, Acetonitrile, 1 mL/ampul	Yes	6 months	36 months	On Ice	0 °C or colder	No	ea.	34121

Alaska UST Method AK101AA (14 components)

Benzene (71-43-2)
Ethylbenzene (100-41-4)
1-Ethyl-2-methylbenzene (611-14-3)
1-Ethyl-3-methylbenzene (620-14-4)
1-Ethyl-4-methylbenzene (622-96-8)
Isopropylbenzene (cumene) (98-82-8)
n-Propylbenzene (103-65-1)
Toluene (108-88-3)
1,2,3-Trimethylbenzene (526-73-8)
1,2,4-Trimethylbenzene (95-63-6)
1,3,5-Trimethylbenzene (108-67-8)
m-Xylene (108-38-3)
o-Xylene (95-47-6)
p-Xylene (106-42-3)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	85 months	Ambient	0 °C or colder	ea.	30461

Aldehyde-Ketone-DNPH TO-11A Calibration Mix (15 components)

Acetaldehyde-DNPH (1019-57-4)
Acetone-DNPH (1567-89-1)
Acrolein-DNPH (888-54-0)
Benzaldehyde-DNPH (1157-84-2)
n-Butyraldehyde-DNPH (1527-98-6)
Crotonaldehyde-DNPH (1527-96-4)
2,5-Dimethylbenzaldehyde-DNPH (152477-96-8)
Formaldehyde-DNPH (1081-15-8)
Hexaldehyde-DNPH (1527-97-5)
Isovaleraldehyde-DNPH (2256-01-1)
Propionaldehyde-DNPH (725-00-8)
m-Tolualdehyde-DNPH (2880-05-9)
o-Tolualdehyde-DNPH (1773-44-0)
p-Tolualdehyde-DNPH (2571-00-8)
Valeraldehyde-DNPH (2057-84-3)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
15 µg/mL each in acetonitrile, 1 mL/ampul*	Yes	6 months	36 months	Ambient	0 °C or colder	ea.	31808

*The reported concentrations reflect the amount of aldehyde or ketone in the mixture. The concentration of derivatized aldehyde or ketone is not reported.

Alternate Boiling Point/Carbon Number Distribution Marker Stock Standard (9 components)

(C6) *n*-Hexane (110-54-3)
(C8) *n*-Octane (111-65-9)
(C10) *n*-Decane (124-18-5)
(C12) *n*-Dodecane (112-40-3)
(C16) *n*-Hexadecane (544-76-3)
(C21) *n*-Heneicosane (629-94-7)
(C28) *n*-Octacosane (630-02-4)
(C35) *n*-Pentatriacontane (630-07-9)
(C36) *n*-Hexatriacontane (630-06-8)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
200 µg/mL each in pentane, 1 mL/ampul	Yes	6 months	85 months	Ambient	25 °C nominal	ea.	31639

Amine 900 Test Mix (8 components)

(C10) *n*-Decane (124-18-5), 900 µg/mL
(C12) *n*-Dodecane (112-40-3), 900 µg/mL
1,2-Butanediol (584-03-2), 900 µg/mL
Diethanolamine (DEA) (111-42-2), 1800 µg/mL
Diethylenetriamine (111-40-0), 1800 µg/mL
2,6-Dimethylaniline (87-62-7), 900 µg/mL
2-Nonanol (628-99-9), 900 µg/mL
Pyridine (110-86-1), 900 µg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In methanol:methylene chloride (50:50), 1 mL/ampul	Yes	1 month	4 months	Ambient	10 °C or colder	ea.	35235

Amine Column Test Mix (GC) (8 components)

(C10) Decane (124-18-5), 0.60 mg/mL
(C12) Dodecane (112-40-3), 0.60 mg/mL
1,2-Butanediol (584-03-2), 0.60 mg/mL
Diethanolamine (DEA) (111-42-2), 1.20 mg/mL
Diethylenetriamine (111-40-0), 1.20 mg/mL
2,6-Dimethylaniline (87-62-7), 0.60 mg/mL
2-Nonanol (628-99-9), 0.60 mg/mL
Pyridine (110-86-1), 0.60 mg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
In methylene chloride:methanol (1:1), 1 mL/ampul	Yes	1 month	4 months	Ambient	10 °C or colder	No	ea.	35002

AOAC QuEChERS IS Solution (2 components)

α-BHC-d6 (α-HCH-d6) (86194-41-4)
Parathion-d10 (350820-04-1)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
40 µg/mL each in acetonitrile, 5 mL/ampul	Yes	6 months	18 months	Ambient	10 °C or colder	ea.	31963

AOAC QuEChERS QC Spike Mix (27 components)

Atrazine (1912-24-9)
Azoxystrobin (131860-33-8)
Bifenthrin (82657-04-3)
Carbaryl (Sevin) (63-25-2)
Chlorothalonil (1897-45-6)
Chlorpyrifos (2921-88-2)
Chlorpyrifos methyl (5598-13-0)
lambda-Cyhalothrin (91465-08-6)
Cyprodinil (121552-61-2)
2,4'-DDD (53-19-0)
Dichlorvos (DDVP) (62-73-7)
Endosulfan sulfate (1031-07-8)
Ethion (563-12-2)
Imazalil (35554-44-0)
Imidacloprid (138261-41-3)
Kresoxim methyl (143390-89-0)
Linuron (330-55-2)
Methamidophos (10265-92-6)
Methomyl (16752-77-5)
cis-Permethrin (61949-76-6)
trans-Permethrin (61949-77-7)
Procymidone (32809-16-8)
Pymetrozine (123312-89-0)
Tebuconazole (107534-96-3)
Thiabendazole (148-79-8)
Tolylfluanid (731-27-1)
Trifluralin (1582-09-8)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
40 µg/mL each in acetonitrile:acetic acid (99.9:0.1), 5 mL/ampul	Yes	3 months	12 months	Ambient	10 °C or colder	ea.	31999

Appendix IX Mix #1, Revised (17 components)

2-Acetylaminofluorene (53-96-3)
4-Aminobiphenyl (92-67-1)
p-Dimethylaminoazobenzene (60-11-7)
3,3'-Dimethylbenzidine (*o*-tolidine) (119-93-7)
α,α-Dimethylphenethylamine (phentermine) (122-09-8)
1-Naphthylamine (1-aminonaphthalene) (134-32-7)
2-Naphthylamine (2-aminonaphthalene) (91-59-8)
N-Nitrosodibutylamine (924-16-3)
N-Nitrosodiethylamine (55-18-5)
N-Nitrosomethylethylamine (10595-95-6)
N-Nitrosomorpholine (59-89-2)
N-Nitrosopiperidine (100-75-4)
N-Nitrosopyrrolidine (930-55-2)
5-Nitro-*o*-toluidine (99-55-8)
1,4-Phenylenediamine (106-50-3)
2-Picoline (109-06-8)
o-Toluidine (95-53-4)

Conc. in Solvent	CRM?	DEA Status	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in methylene chloride, 1 mL/ampul	Yes	Exempt	6 months	55 months	Ambient	0 °C or colder	ea.	32459

Appendix IX Mix #2 (32 components)

Acetophenone (98-86-2)
Aramite (140-57-8)
Atrazine (1912-24-9)
Benzaldehyde (100-52-7)
Biphenyl (92-52-4)
ε-Caprolactam (105-60-2)
Chlorobenzilate (510-15-6)
1-Chloronaphthalene (90-13-1)
Diallate (2303-16-4)
Dibenz[a,j]acridine (224-42-0)
2,6-Dichlorophenol (87-65-0)
7,12-Dimethylbenz[a]anthracene (57-97-6)
1,4-Dioxane (123-91-1)
Diphenyl ether (101-84-8)
Ethyl methacrylate (97-63-2)
Ethyl methanesulfonate (62-50-0)
Hexachloropropene (1888-71-7)
Isodrin (465-73-6)
Isosafrole (*cis* & *trans*) (120-58-1)
Kepone (143-50-0)
3-Methylcholanthrene (56-49-5)
Methyl methanesulfonate (66-27-3)
1,4-Naphthoquinone (130-15-4)
4-Nitroquinoline-N-oxide (56-57-5)
Pentachlorobenzene (608-93-5)
Pentachloroethane (76-01-7)
Pentachloronitrobenzene (Quintozene) (82-68-8)
Phenacetin (62-44-2)
Propyzamide (23950-58-5)
Safrole (94-59-7)
1,2,4,5-Tetrachlorobenzene (95-94-3)
1,3,5-Trinitrobenzene (99-35-4)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
1000 µg/mL each in methylene chloride, 1 mL/ampul	Yes	6 months	18 months	Ambient	0 °C or colder	ea.	31806

ASTM D2887-12 Calibration Standard (20 components)

(C5) *n*-Pentane (109-66-0)
(C6) *n*-Hexane (110-54-3)
(C7) *n*-Heptane (142-82-5)
(C8) *n*-Octane (111-65-9)
(C9) *n*-Nonane (111-84-2)
(C10) *n*-Decane (124-18-5)
(C11) *n*-Undecane (1120-21-4)
(C12) *n*-Dodecane (112-40-3)
(C14) *n*-Tetradecane (629-59-4)
(C15) *n*-Pentadecane (629-62-9)
(C16) *n*-Hexadecane (544-76-3)
(C17) *n*-Heptadecane (629-78-7)
(C18) *n*-Octadecane (593-45-3)
(C20) *n*-Eicosane (112-95-8)
(C24) *n*-Tetracosane (646-31-1)
(C28) *n*-Octacosane (630-02-4)
(C32) *n*-Dotriacontane (544-85-4)
(C36) *n*-Hexatriacontane (630-06-8)
(C40) *n*-Tetracontane (4181-95-7)
(C44) *n*-Tetratetracontane (7098-22-8)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
1% w/w in carbon disulfide, 1 g solution/ampul	Yes	6 months	85 months	Ambient	25 °C nominal	No	ea.	31674

ASTM D3606 Calibration Kit with *sec*-Butanol Internal Standard

Contains 1 mL each of these mixtures.

30661: ASTM D3606 Calibration Standard #1 with *sec*-Butanol Internal Standard
Benzene (71-43-2), 4.8% vol/vol
2-Butanol (*sec*-butyl alcohol) (78-92-2), 4% vol/vol
Toluene (108-88-3), 19.2% vol/vol

30662: ASTM D3606 Calibration Standard #2 with *sec*-Butanol Internal Standard
Benzene (71-43-2), 2.4% vol/vol
2-Butanol (*sec*-butyl alcohol) (78-92-2), 4% vol/vol
Toluene (108-88-3), 14.4% vol/vol

30663: ASTM D3606 Calibration Standard #3 with *sec*-Butanol Internal Standard
Benzene (71-43-2), 1.2% vol/vol
2-Butanol (*sec*-butyl alcohol) (78-92-2), 4% vol/vol
Toluene (108-88-3), 9.6% vol/vol

30664: ASTM D3606 Calibration Standard #4 with *sec*-Butanol Internal Standard
Benzene (71-43-2), 0.6432% vol/vol
2-Butanol (*sec*-butyl alcohol) (78-92-2), 4% vol/vol
Toluene (108-88-3), 4.8% vol/vol

30665: ASTM D3606 Calibration Standard #5 with *sec*-Butanol Internal Standard
Benzene (71-43-2), 0.3168% vol/vol
2-Butanol (*sec*-butyl alcohol) (78-92-2), 4% vol/vol
Toluene (108-88-3), 2.4% vol/vol

30666: ASTM D3606 Calibration Standard #6 with *sec*-Butanol Internal Standard
Benzene (71-43-2), 0.1152% vol/vol
2-Butanol (*sec*-butyl alcohol) (78-92-2), 4% vol/vol
Toluene (108-88-3), 0.96% vol/vol

30667: ASTM D3606 Calibration Standard #7 with *sec*-Butanol Internal Standard
Benzene (71-43-2), 0.0576% vol/vol
2-Butanol (*sec*-butyl alcohol) (78-92-2), 4% vol/vol
Toluene (108-88-3), 0.48% vol/vol

Description	CRM?	Min Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
ASTM D3606 Calibration Kit with *sec*-Butanol Internal Standard	Yes	6 months	Ambient	10 °C or colder	kit	*30674*

ASTM D3606 Calibration Kit with MEK Internal Standard

Contains 1 mL each of these mixtures.

30654: ASTM D3606 Calibration Standard #1 with MEK Internal Standard
Benzene (71-43-2), 4.8% vol/vol
2-Butanone (MEK) (78-93-3), 4% vol/vol
Toluene (108-88-3), 19.2% vol/vol

30655: ASTM D3606 Calibration Standard #2 with MEK Internal Standard
Benzene (71-43-2), 2.4% vol/vol
2-Butanone (MEK) (78-93-3), 4% vol/vol
Toluene (108-88-3), 14.4% vol/vol

30656: ASTM D3606 Calibration Standard #3 with MEK Internal Standard
Benzene (71-43-2), 1.2% vol/vol
2-Butanone (MEK) (78-93-3), 4% vol/vol
Toluene (108-88-3), 9.6% vol/vol

30657: ASTM D3606 Calibration Standard #4 with MEK Internal Standard
Benzene (71-43-2), 0.6432% vol/vol
2-Butanone (MEK) (78-93-3), 4% vol/vol
Toluene (108-88-3), 4.8% vol/vol

30658: ASTM D3606 Calibration Standard #5 with MEK Internal Standard
Benzene (71-43-2), 0.3168% vol/vol
2-Butanone (MEK) (78-93-3), 4% vol/vol
Toluene (108-88-3), 2.4% vol/vol

30659: ASTM D3606 Calibration Standard #6 with MEK Internal Standard
Benzene (71-43-2), 0.1152% vol/vol
2-Butanone (MEK) (78-93-3), 4% vol/vol
Toluene (108-88-3), 0.96% vol/vol

30660: ASTM D3606 Calibration Standard #7 with MEK Internal Standard
Benzene (71-43-2), 0.0576% vol/vol
2-Butanone (MEK) (78-93-3), 4% vol/vol
Toluene (108-88-3), 0.48% vol/vol

Description	CRM?	Min Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
ASTM D3606 Calibration Kit with MEK Internal Standard	Yes	6 months	Ambient	10 °C or colder	kit	*30673*

ASTM D3606 Calibration Kit without Internal Standard

Contains 25 mL each of these mixtures.

30647: ASTM D3606 Calibration Standard #1 without Internal Standard
Benzene (71-43-2), 5% vol/vol
Toluene (108-88-3), 20% vol/vol

30648: ASTM D3606 Calibration Standard #2 without Internal Standard
Benzene (71-43-2), 2.5% vol/vol
Toluene (108-88-3), 15% vol/vol

30649: ASTM D3606 Calibration Standard #3 without Internal Standard
Benzene (71-43-2), 1.25% vol/vol
Toluene (108-88-3), 10% vol/vol

30650: ASTM D3606 Calibration Standard #4 without Internal Standard
Benzene (71-43-2), 0.67% vol/vol
Toluene (108-88-3), 5% vol/vol

30651: ASTM D3606 Calibration Standard #5 without Internal Standard
Benzene (71-43-2), 0.33% vol/vol
Toluene (108-88-3), 2.5% vol/vol

30652: ASTM D3606 Calibration Standard #6 without Internal Standard
Benzene (71-43-2), 0.12% vol/vol
Toluene (108-88-3), 1% vol/vol

30653: ASTM D3606 Calibration Standard #7 without Internal Standard
Benzene (71-43-2), 0.06% vol/vol
Toluene (108-88-3), 0.5% vol/vol

Description	CRM?	Min Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
ASTM D3606 Calibration Kit without Internal Standard	Yes	6 months	Ambient	10 °C or colder	kit	*30672*

ASTM D3606 Calibration Standard #1 with *sec*-Butanol Internal Standard (3 components)

Benzene (71-43-2), 4.8% vol/vol | 2-Butanol (*sec*-butyl alcohol) (78-92-2), 4% vol/vol | Toluene (108-88-3), 19.2% vol/vol

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In isooctane, 1 mL/ampul	Yes	6 months	60 months	Ambient	10 °C or colder	ea.	*30661*

ASTM D3606 Calibration Standard #1 with MEK Internal Standard (3 components)

Benzene (71-43-2), 4.8% vol/vol | 2-Butanone (MEK) (78-93-3), 4% vol/vol | Toluene (108-88-3), 19.2% vol/vol

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In isooctane, 1 mL/ampul	Yes	6 months	39 months	Ambient	10 °C or colder	ea.	*30654*

ASTM D3606 Calibration Standard #1 without Internal Standard (2 components)

Benzene (71-43-2), 5% vol/vol Toluene (108-88-3), 20% vol/vol

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In isooctane, 25 mL/ampul	Yes	6 months	60 months	Ambient	10 °C or colder	ea.	30647

ASTM D3606 Calibration Standard #2 with *sec*-Butanol Internal Standard (3 components)

Benzene (71-43-2), 2.4% vol/vol 2-Butanol (*sec*-butyl alcohol) (78-92-2), 4% vol/vol Toluene (108-88-3), 14.4% vol/vol

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In isooctane, 1 mL/ampul	Yes	6 months	60 months	Ambient	10 °C or colder	ea.	30662

ASTM D3606 Calibration Standard #2 with MEK Internal Standard (3 components)

Benzene (71-43-2), 2.4% vol/vol 2-Butanone (MEK) (78-93-3), 4% vol/vol Toluene (108-88-3), 14.4% vol/vol

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In isooctane, 1 mL/ampul	Yes	6 months	39 months	Ambient	10 °C or colder	ea.	30655

ASTM D3606 Calibration Standard #2 without Internal Standard (2 components)

Benzene (71-43-2), 2.5% vol/vol Toluene (108-88-3), 15% vol/vol

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In isooctane, 25 mL/ampul	Yes	6 months	60 months	Ambient	10 °C or colder	ea.	30648

ASTM D3606 Calibration Standard #3 with *sec*-Butanol Internal Standard (3 components)

Benzene (71-43-2), 1.2% vol/vol 2-Butanol (*sec*-butyl alcohol) (78-92-2), 4% vol/vol Toluene (108-88-3), 9.6% vol/vol

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In isooctane, 1 mL/ampul	Yes	6 months	60 months	Ambient	10 °C or colder	ea.	30663

ASTM D3606 Calibration Standard #3 with MEK Internal Standard (3 components)

Benzene (71-43-2), 1.2% vol/vol 2-Butanone (MEK) (78-93-3), 4% vol/vol Toluene (108-88-3), 9.6% vol/vol

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In isooctane, 1 mL/ampul	Yes	6 months	39 months	Ambient	10 °C or colder	ea.	30656

ASTM D3606 Calibration Standard #3 without Internal Standard (2 components)

Benzene (71-43-2), 1.25% vol/vol Toluene (108-88-3), 10% vol/vol

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In isooctane, 25 mL/ampul	Yes	6 months	60 months	Ambient	10 °C or colder	ea.	30649

ASTM D3606 Calibration Standard #4 with *sec*-Butanol Internal Standard (3 components)

Benzene (71-43-2), 0.6432% vol/vol 2-Butanol (*sec*-butyl alcohol) (78-92-2), 4% vol/vol Toluene (108-88-3), 4.8% vol/vol

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In isooctane, 1 mL/ampul	Yes	6 months	60 months	Ambient	10 °C or colder	ea.	30664

ASTM D3606 Calibration Standard #4 with MEK Internal Standard (3 components)

Benzene (71-43-2), 0.6432% vol/vol | 2-Butanone (MEK) (78-93-3), 4% vol/vol | Toluene (108-88-3), 4.8% vol/vol

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In isooctane, 1 mL/ampul	Yes	6 months	39 months	Ambient	10 °C or colder	ea.	30657

ASTM D3606 Calibration Standard #4 without Internal Standard (2 components)

Benzene (71-43-2), 0.67% vol/vol | Toluene (108-88-3), 5% vol/vol

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In isooctane, 25 mL/ampul	Yes	6 months	60 months	Ambient	10 °C or colder	ea.	30650

ASTM D3606 Calibration Standard #5 with *sec*-Butanol Internal Standard (3 components)

Benzene (71-43-2), 0.3168% vol/vol | 2-Butanol (*sec*-butyl alcohol) (78-92-2), 4% vol/vol | Toluene (108-88-3), 2.4% vol/vol

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In isooctane, 1 mL/ampul	Yes	6 months	60 months	Ambient	10 °C or colder	ea.	30665

ASTM D3606 Calibration Standard #5 with MEK Internal Standard (3 components)

Benzene (71-43-2), 0.3168% vol/vol | 2-Butanone (MEK) (78-93-3), 4% vol/vol | Toluene (108-88-3), 2.4% vol/vol

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In isooctane, 1 mL/ampul	Yes	6 months	39 months	Ambient	10 °C or colder	ea.	30658

ASTM D3606 Calibration Standard #5 without Internal Standard (2 components)

Benzene (71-43-2), 0.33% vol/vol | Toluene (108-88-3), 2.5% vol/vol

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In isooctane, 25 mL/ampul	Yes	6 months	60 months	Ambient	10 °C or colder	ea.	30651

ASTM D3606 Calibration Standard #6 with *sec*-Butanol Internal Standard (3 components)

Benzene (71-43-2), 0.1152% vol/vol | 2-Butanol (*sec*-butyl alcohol) (78-92-2), 4% vol/vol | Toluene (108-88-3), 0.96% vol/vol

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In isooctane, 1 mL/ampul	Yes	6 months	60 months	Ambient	10 °C or colder	ea.	30666

ASTM D3606 Calibration Standard #6 with MEK Internal Standard (3 components)

Benzene (71-43-2), 0.1152% vol/vol | 2-Butanone (MEK) (78-93-3), 4% vol/vol | Toluene (108-88-3), 0.96% vol/vol

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In isooctane, 1 mL/ampul	Yes	6 months	39 months	Ambient	10 °C or colder	ea.	30659

ASTM D3606 Calibration Standard #6 without Internal Standard (2 components)

Benzene (71-43-2), 0.12% vol/vol | Toluene (108-88-3), 1% vol/vol

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In isooctane, 25 mL/ampul	Yes	6 months	60 months	Ambient	10 °C or colder	ea.	30652

ASTM D3606 Calibration Standard #7 with *sec*-Butanol Internal Standard (3 components)

Benzene (71-43-2), 0.0576% vol/vol
2-Butanol (*sec*-butyl alcohol) (78-92-2), 4% vol/vol
Toluene (108-88-3), 0.48% vol/vol

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In isooctane, 1 mL/ampul	Yes	6 months	60 months	Ambient	10 °C or colder	ea.	30667

ASTM D3606 Calibration Standard #7 with MEK Internal Standard (3 components)

Benzene (71-43-2), 0.0576% vol/vol
2-Butanone (MEK) (78-93-3), 4% vol/vol
Toluene (108-88-3), 0.48% vol/vol

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In isooctane, 1 mL/ampul	Yes	6 months	39 months	Ambient	10 °C or colder	ea.	30660

ASTM D3606 Calibration Standard #7 without Internal Standard (2 components)

Benzene (71-43-2), 0.06% vol/vol
Toluene (108-88-3), 0.5% vol/vol

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In isooctane, 25 mL/ampul	Yes	6 months	60 months	Ambient	10 °C or colder	ea.	30653

ASTM D3606 Quality Control Standard with *sec*-Butanol Internal Standard (3 components)

Benzene (71-43-2), 0.6432% vol/vol
2-Butanol (*sec*-butyl alcohol) (78-92-2), 4% vol/vol
Toluene (108-88-3), 4.8% vol/vol

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In isooctane, 25 mL/ampul	Yes	6 months	60 months	Ambient	10 °C or colder	ea.	30670

ASTM D6042-96 Calibration Mix (7 components)

BHT (128-37-0)
Erucamide slip (112-84-5)
Vitamin E (10191-41-0)
Irgafos 168 (31570-04-4)
Irganox 3114 (27676-62-6)
Irganox 1010 (6683-19-8)
Irganox 1076 (2082-79-3)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
50 µg/mL each in isopropanol, 1 mL/ampul	Yes	6 months	85 months	Ambient	10 °C or colder	ea.	31628

Atlantic RBCA EPH Mix (11 components)

(C10) *n*-Decane (124-18-5)
(C12) *n*-Dodecane (112-40-3)
(C16) *n*-Hexadecane (544-76-3)
(C21) *n*-Heneicosane (629-94-7)
(C28) *n*-Octacosane (630-02-4)
(C32) *n*-Dotriacontane (544-85-4)
Acenaphthene (83-32-9)
Anthracene (120-12-7)
Benzo[a]pyrene (50-32-8)
Chrysene (218-01-9)
Naphthalene (91-20-3)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
1000 µg/mL each in hexane:methylene chloride (85:15), 1 mL/ampul	Yes	6 months	71 months	Ambient	25 °C nominal	ea.	31872

Atlantic RBCA VPH Mix (12 components)

(C6) *n*-Hexane (110-54-3)
(C7) *n*-Heptane (142-82-5)
(C8) *n*-Octane (111-65-9)
(C10) *n*-Decane (124-18-5)
Benzene (71-43-2)
Ethylbenzene (100-41-4)
1-Methyl-3-ethylbenzene (620-14-4)
Toluene (108-88-3)
1,2,4-Trimethylbenzene (95-63-6)
1,3,5-Trimethylbenzene (108-67-8)
o-Xylene (95-47-6)
p-Xylene (106-42-3)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
1000 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	85 months	Ambient	0 °C or colder	ea.	31871

B/N Matrix Spike Mix (6 components)

Acenaphthene (83-32-9)
1,4-Dichlorobenzene (106-46-7)
2,4-Dinitrotoluene (121-14-2)
N-Nitroso-di-*n*-propylamine (621-64-7)
Pyrene (129-00-0)
1,2,4-Trichlorobenzene (120-82-1)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
1000 µg/mL each in methanol, 1 mL/ampul	Yes	6 months	55 months	Ambient	10 °C or colder	ea.	31004
	Yes	6 months		Ambient	10 °C or colder	15-pk.	31004.15
5000 µg/mL each in methanol, 1 mL/ampul	Yes	6 months	36 months	Ambient	10 °C or colder	ea.	31074
5000 µg/mL each in methanol, 5 mL/ampul	Yes	6 months	36 months	Ambient	10 °C or colder	ea.	31084

B/N Surrogate Mix (4/89 SOW) (3 components)

2-Fluorobiphenyl (321-60-8)
Nitrobenzene-d5 (4165-60-0)
p-Terphenyl-d14 (1718-51-0)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
1000 µg/mL each in methylene chloride, 1 mL/ampul	Yes	6 months	71 months	Ambient	10 °C or colder	ea.	31024
	Yes	6 months		Ambient	10 °C or colder	15-pk.	31024.15
	Yes	6 months		Ambient	10 °C or colder	25-pk.	31024.25
5000 µg/mL each in methylene chloride, 1 mL/ampul	Yes	6 months	71 months	Ambient	10 °C or colder	ea.	31062
	Yes	6 months		Ambient	10 °C or colder	15-pk.	31062.15
5000 µg/mL each in methylene chloride, 5 mL/ampul	Yes	6 months	71 months	Ambient	10 °C or colder	ea.	31086
5000 µg/mL each in methylene chloride, 10 mL/ampul	Yes	6 months	71 months	Ambient	10 °C or colder	ea.	33028

B/N Surrogate Standard Mix (3/90 SOW) (4 components)

1,2-Dichlorobenzene-d4 (2199-69-1)
2-Fluorobiphenyl (321-60-8)
Nitrobenzene-d5 (4165-60-0)
p-Terphenyl-d14 (1718-51-0)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
1000 µg/mL each in methylene chloride, 1 mL/ampul	Yes	6 months	34 months	Ambient	10 °C or colder	ea.	31002
5000 µg/mL each in methylene chloride, 1 mL/ampul	Yes	6 months	37 months	Ambient	10 °C or colder	ea.	31072
5000 µg/mL each in methylene chloride, 5 mL/ampul	Yes	6 months	37 months	Ambient	10 °C or colder	ea.	31082

BAC Resolution Control Standard n-P (6 components)

Acetaldehyde (75-07-0)
Acetone (67-64-1)
Ethanol (64-17-5)
Methanol (67-56-1)
1-Propanol (*n*-Propanol) (71-23-8)
2-Propanol (Isopropanol) (67-63-0)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
100 mg/dL each in water, 1 mL/ampul	Yes	6 months	37 months	Ambient	10 °C or colder	No	ea.	36010

BAC Resolution Control Standard t-B (6 components)

Acetaldehyde (75-07-0)
Acetone (67-64-1)
tert-Butanol (TBA) (75-65-0)
Ethanol (64-17-5)
Methanol (67-56-1)
2-Propanol (Isopropanol) (67-63-0)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
100 mg/dL each in water, 1 mL/ampul	Yes	6 months	37 months	Ambient	10 °C or colder	No	ea.	36011

Benzidine Mix (2 components)

Benzidine (92-87-5)
3,3'-Dichlorobenzidine (91-94-1)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in methylene chloride, 1 mL/ampul	Yes	6 months	55 months	Ambient	10 °C or colder	ea.	31834

Blood Alcohol Mix Resolution Control Standard (8 components)

Acetaldehyde (75-07-0)
Acetone (67-64-1)
Acetonitrile (75-05-8)
Ethanol (64-17-5)
Ethyl acetate (141-78-6)
2-Propanol (Isopropanol) (67-63-0)
Methanol (67-56-1)
Methyl ethyl ketone (78-93-3)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
0.100 g/dL each in water, 1 mL/ampul	Yes	6 months	18 months	Ambient	10 °C or colder	ea.	36256

BTEX Standard (6 components)

Benzene (71-43-2)
Ethylbenzene (100-41-4)
Toluene (108-88-3)
m-Xylene (108-38-3)
o-Xylene (95-47-6)
p-Xylene (106-42-3)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
200 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	85 months	Ambient	0 °C or colder	ea.	30051
2000 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	85 months	Ambient	0 °C or colder	ea.	30213
2000 µg/mL each in P&T methanol (*m*-xylene and *p*-xylene at 1000 µg/mL), 1 mL/ampul	Yes	6 months	60 months	Ambient	0 °C or colder	ea.	30488

Butyltin Chloride Calibration Mixture (4 components)

n-Butyltin trichloride (1118-46-3)
Dibutyltin dichloride (683-18-1)
Tetrabutyltin (1461-25-2)
Tributyltin chloride (1461-22-9)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in methylene chloride, 1 mL/ampul	No	6 months	36 months	Ambient	10 °C or colder	ea.	31472

CA WIP VOA Standard (11 components)

Benzene (71-43-2)
Chlorobenzene (108-90-7)
1,2-Dichlorobenzene (95-50-1)
1,3-Dichlorobenzene (541-73-1)
1,4-Dichlorobenzene (106-46-7)
Ethylbenzene (100-41-4)
Methyl *tert*-butyl ether (MTBE) (1634-04-4)
Toluene (108-88-3)
m-Xylene (108-38-3)
o-Xylene (95-47-6)
p-Xylene (106-42-3)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	85 months	Ambient	0 °C or colder	ea.	30236

California Oxygenates Mix (5 components)

tert-Amyl methyl ether (TAME) (994-05-8), 2000 µg/mL
tert-Butanol (TBA) (75-65-0), 10,000 µg/mL
Diisopropyl ether (DIPE) (108-20-3), 2000 µg/mL
Ethyl-*tert*-butyl ether (ETBE) (637-92-3), 2000 µg/mL
Methyl *tert*-butyl ether (MTBE) (1634-04-4), 2000 µg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In P&T methanol, 1 mL/ampul	Yes	6 months	60 months	Ambient	0 °C or colder	ea.	30465

California Pesticide Standards (6 separate mixes)

Each ampul sold separately.

Cat.# 34124: California Pesticide Standard #1 (12 components)
Acephate (30560-19-1)
Chlorpyrifos (2921-88-2)
Coumaphos (56-72-4)
Diazinon (333-41-5)
Dichlorvos (DDVP) (62-73-7)
Dimethoate (60-51-5)
Ethoprophos (13194-48-4)
Malathion (121-75-5)
Methyl parathion (298-00-0)
Mevinphos (7786-34-7)
Naled (300-76-5)
Phosmet (732-11-6)

Cat.# 34125: California Pesticide Standard #2 (11 components)
Abamectin (71751-41-2)
Acequinocyl (57960-19-7)
Bifenthrin (82657-04-3)
Cyfluthrin (68359-37-5)
Cypermethrin (52315-07-8)
Etofenprox (80844-07-1)
Permethrin (*cis* & *trans*) (52645-53-1)
Prallethrin (23031-36-9)
Pyrethrins (8003-34-7)
Spinetoram (J&L) (935545-74-7)
Spinosad (168316-95-8)

Cat.# 34126: California Pesticide Standard #3 (9 components)
Aldicarb (116-06-3)
Bifenazate (149877-41-8)
Carbaryl (Sevin) (63-25-2)
Carbofuran (1563-66-2)
Fenoxycarb (72490-01-8)
Methiocarb (2032-65-7)
Methomyl (16752-77-5)
Oxamyl (23135-22-0)
Propoxur (Baygon) (114-26-1)

Cat.# 34127: California Pesticide Standard #4 (9 components)
Boscalid (188425-85-6)
Captan (133-06-2)
Chlorantraniliprole (500008-45-7)
Daminozide (1596-84-5)
Dimethomorph (110488-70-5)
Fenhexamid (126833-17-8)
Flonicamid (158062-67-0)
Hexythiazox (78587-05-0)
Pyridaben (96489-71-3)

Cat.# 34128: California Pesticide Standard #5 (10 components)
Azoxystrobin (131860-33-8)
Chlorfenapyr (122453-73-0)
Fenpyroximate (111812-58-9)
Kresoxim methyl (143390-89-0)
Metalaxyl (57837-19-1)
Piperonyl butoxide (51-03-6)
Spiromesifen (283594-90-1)
Spirotetramat (203313-25-1)
Spiroxamine (118134-30-8)
Trifloxystrobin (141517-21-7)

Cat.# 34129: California Pesticide Standard #6 (15 components)
Acetamiprid (135410-20-7)
Chlordane (57-74-9)
Clofentezine (74115-24-5)
Etoxazole (153233-91-1)
Fipronil (120068-37-3)
Fludioxonil (131341-86-1)
Imazalil (35554-44-0)
Imidacloprid (138261-41-3)
Myclobutanil (88671-89-0)
Paclobutrazol (76738-62-0)
Pentachloronitrobenzene (Quintozene) (82-68-8)
Propiconazole (Tilt) (60207-90-1)
Tebuconazole (107534-96-3)
Thiacloprid (111988-49-9)
Thiamethoxam (153719-23-4)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
California Pesticide Standard #1							
100 µg/mL, Acetonitrile, 1 mL/ampul	Yes	6 months	14 months	On Ice	–20 °C or colder	ea.	*34124*
California Pesticide Standard #2							
100 µg/mL, Acetonitrile, 1 mL/ampul	Yes	6 months	24 months	Ambient	–20 °C or colder	ea.	*34125*
California Pesticide Standard #3							
100 µg/mL, Acetonitrile, 1 mL/ampul	Yes	6 months	24 months	Ambient	–20 °C or colder	ea.	*34126*
California Pesticide Standard #4							
100 µg/mL, Acetonitrile, 1 mL/ampul	Yes	6 months	24 months	Ambient	0 °C or colder	ea.	*34127*
California Pesticide Standard #5							
100 µg/mL, Acetonitrile, 1 mL/ampul	Yes	6 months	24 months	Ambient	–20 °C or colder	ea.	*34128*
California Pesticide Standard #6							
100 µg/mL, Acetonitrile, 1 mL/ampul	Yes	6 months	24 months	Ambient	–20 °C or colder	ea.	*34129*

Canadian Drinking Water OP Pesticides Mix (9 components)

Azinphos methyl (86-50-0)
Chlorpyrifos (2921-88-2)
Diazinon (333-41-5)
Dimethoate (60-51-5)
Malathion (121-75-5)
Parathion (ethyl parathion) (56-38-2)
Phorate (298-02-2)
Temephos (Abate) (3383-96-8)
Terbufos (13071-79-9)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
1000 µg/mL each in acetonitrile, 1 mL/ampul	Yes	6 months	18 months	Ambient	10 °C or colder	ea.	*31867*

Canadian Drinking Water Phenoxyacid Herbicides Mix (11 components)

Bromoxynil (1689-84-5)
2,4-D (94-75-7)
Dicamba (1918-00-9)
2,4-Dichlorophenol (120-83-2)
Diclofop methyl (51338-27-3)
Dinoseb (88-85-7)
Pentachlorophenol (87-86-5)
Picloram (1918-02-1)
2,4,5-T (93-76-5)
2,3,4,6-Tetrachlorophenol (58-90-2)
2,4,6-Trichlorophenol (88-06-2)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
1000 µg/mL each in acetone, 1 mL/ampul	Yes	6 months	36 months	Ambient	10 °C or colder	ea.	*31868*

Canadian Drinking Water Triazine Herbicides Mix (7 components)

Alachlor (15972-60-8)
Atrazine (1912-24-9)
Cyanazine (Bladex) (21725-46-2)
Metolachlor (51218-45-2)
Metribuzin (21087-64-9)
Prometryne (7287-19-6)
Simazine (122-34-9)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
500 µg/mL each in acetone, 1 mL/ampul	Yes	6 months	18 months	Ambient	10 °C or colder	ea.	*31864*

Cannabinoids Acids 7 Standard (7 components)

Cannabichromenic Acid (CBCA) (185505-15-1)
Cannabidiolic Acid (CBDA) (1244-58-2)
Cannabidivarinic Acid (CBDVA) (31932-13-5)
Cannabigerolic Acid (CBGA) (25555-57-1)
Cannabinolic Acid (CBNA) (2808-39-1)
Tetrahydrocannabinolic Acid (THCA-A) (23978-85-0)
Tetrahydrocannabivarinic Acid (THCVA) (39986-26-0)

Conc. in Solvent	CRM?	DEA Status	Canadian Test Kit Registration	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
1000 µg/mL, Acetonitrile with 1% DIPEA and 0.05% Ascorbic Acid, 1 mL/ampul	Yes	Exempt	C.T.K.# 003-015	6 months	15 months	On Ice	–20 °C or colder	ea.	34144

Cannabinoids Neutrals 9 Standard (9 components)

Cannabichromene (CBC) (20675-51-8)
Cannabicyclol (CBL) (21366-63-2)
Cannabidiol (CBD) (13956-29-1)
Cannabidivarin (CBDV) (24274-48-4)
Cannabigerol (CBG) (25654-31-3)
Cannabinol (CBN) (521-35-7)
d8-Tetrahydrocannabinol (d8-THC) (5957-75-5)
d9-Tetrahydrocannabinol (d9-THC) (1972-08-3)
Tetrahydrocannabivarin (THCV) (31262-37-0)

Conc. in Solvent	CRM?	DEA Status	Canadian Test Kit Registration	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
1000 µg/mL, P&T Methanol, 1 mL/ampul	Yes	Exempt	C.T.K.# 003-004	6 months	24 months	On Ice	–20 °C or colder	ea.	34132

Cannabinoids Standard (3 components)

Cannabidiol (CBD) (13956-29-1)
Cannabinol (CBN) (521-35-7)
d9-Tetrahydrocannabinol (d9-THC) (1972-08-3)

Conc. in Solvent	CRM?	DEA Status	Canadian Test Kit Registration	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
1000 µg/mL each in P&T methanol, 1 mL/ampul	Yes	Exempt	T.K.# 71-048	6 months	24 months	On Ice	10 °C or colder	ea.	34014

Cannabis Terpenes Standard #1 (19 components)

(-)-α-Bisabolol (23089-26-1)
Camphene (79-92-5)
δ-3-Carene (13466-78-9)
β-Caryophyllene (87-44-5)
Geraniol (106-24-1)
(-)-Guaiol (489-86-1)
α-Humulene (6753-98-6)
p-Isopropyltoluene (*p*-cymene) (99-87-6)
(-)-Isopulegol (89-79-2)
d-Limonene (5989-27-5)
Linalool (78-70-6)
β-Myrcene (123-35-3)
Nerolidol (7212-44-4)
Ocimene (13877-91-3)
α-Pinene (80-56-8)
(-)-β-Pinene (18172-67-3)
α-Terpinene (99-86-5)
γ-Terpinene (99-85-4)
Terpinolene (586-62-9)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2500 µg/mL each in isopropanol, 1 mL/ampul	Yes	6 months	24 months	Ambient	0 °C or colder	ea.	34095

Cannabis Terpenes Standard #2 (2 components)

(-)-Caryophyllene oxide (1139-30-6)
1,8-Cineole (Eucalyptol) (470-82-6)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2500 µg/mL each in isopropanol, 1 mL/ampul	Yes	6 months	24 months	Ambient	0 °C or colder	ea.	34096

CARB 1004 Aldehyde/Ketone-DNPH Calibration Standard (13 components)

Acetaldehyde-2,4-DNPH (1019-57-4)
Acetone-2,4-DNPH (1567-89-1)
Acrolein-2,4-DNPH (888-54-0)
Benzaldehyde-2,4-DNPH (1157-84-2)
n-Butyraldehyde-2,4-DNPH (1527-98-6)
Crotonaldehyde-2,4-DNPH (1527-96-4)
Formaldehyde-2,4-DNPH (1081-15-8)
Hexaldehyde-2,4-DNPH (1527-97-5)
Methacrolein-2,4-DNPH (5077-73-6)
Methyl ethyl ketone-2,4-DNPH (958-60-1)
Propionaldehyde-2,4-DNPH (725-00-8)
m-Tolualdehyde-2,4-DNPH (2880-05-9)
Valeraldehyde-2,4-DNPH (2057-84-3)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
3 µg/mL each in acetonitrile, 1 mL/ampul*	Yes	6 months	36 months	Ambient	0 °C or colder	ea.	33093

*The reported concentrations reflect the amount of aldehyde or ketone in the mixture. The concentration of derivatized aldehyde or ketone is not reported.

Carbohydrate LC Performance Check Mix (5 components)

Glucose (50-99-7), 2.1 mg
Fructose (57-48-7), 2.0 mg
Lactose (5989-81-1), 4.4 mg
Maltose (6363-53-7), 4.5 mg
Sucrose (57-50-1), 4.0 mg

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
Dry components in 4 mL screw-cap vial. Reconstitute in 1 mL acetonitrile:water (75:25) to 2.1, 2.0, 4.4, 4.5, 4.0 mg/mL, respectively.	No	6 months	18 months	Ambient	10 °C or colder	No	ea.	31809

CCME F1 Retention Time Marker (3 components)

(C6) *n*-Hexane (110-54-3)
(C10) *n*-Decane (124-18-5)
Toluene (108-88-3)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in methanol, 1 mL/ampul	Yes	6 months	85 months	Ambient	0 °C or colder	ea.	30611

CCME PHC Calibration Mix (3 components)

(C10) *n*-Decane (124-18-5)
(C16) *n*-Hexadecane (544-76-3)
(C34) *n*-Tetratriacontane (14167-59-0)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
5000 µg/mL each in toluene, 1 mL/ampul	Yes	6 months	36 months	Ambient	25 °C nominal	ea.	31684

Certified Aromatics in Gasoline (16 components)

Certified for:
Benzene*
Ethylbenzene*
m-Ethyltoluene*
o-Ethyltoluene*
p-Ethyltoluene*
Isopropylbenzene*
Methyl *tert*-butyl ether (MTBE)*
Naphthalene*
n-Propylbenzene*
Toluene*
1,2,3-Trimethylbenzene*
1,2,4-Trimethylbenzene*
1,3,5-Trimethylbenzene*
m-Xylene*
o-Xylene*
p-Xylene*

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
5500 ppm gasoline in P&T methanol, 1 mL/ampul	Yes	6 months	85 months	Ambient	0 °C or colder	ea.	30485

*Concentration differs from lot to lot. See online data pack for certified concentrations.

Certified BTEX in Unleaded Gas Composite Standard (9 components)

Certified for:
Benzene*
Ethylbenzene*
Isopropylbenzene*
Methyl *tert*-butyl ether (MTBE)*
Naphthalene*
Toluene*
m-Xylene*
o-Xylene*
p-Xylene*

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
5500 ppm gasoline in P&T methanol, 1 mL/ampul	Yes	6 months	85 months	Ambient	0 °C or colder	ea.	30237

*Concentration differs from lot to lot. See online data pack for certified concentrations.

Chiral Column Test Mix (10 components)

(C10:0) Methyl caprate (110-42-9), 210 µg/mL
(C11:0) Methyl undecanoate (1731-86-8), 210 µg/mL
(C12) *n*-Dodecane (112-40-3), 150 µg/mL
(C12:0) Methyl laurate (111-82-0), 210 µg/mL
L(+)-2,3-Butanediol (19132-06-0), 250 µg/mL
(2R,3R)-(-)-2,3-Butanediol (24347-58-8), 250 µg/mL
1-Heptanol (111-70-6), 180 µg/mL
3-Methylphenol (*m*-cresol) (108-39-4), 160 µg/mL
1-Phenylethanol (+/-) (98-85-1), 500 µg/mL
alpha-Pinene (+/-) (2437-95-8), 500 µg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In methylene chloride, 1 mL/ampul	No	3 months	12 months	Ambient	10 °C or colder	ea.	35098

Chlorinated Acid Herbicide Mix (2 components)

2,4-Dichlorophenoxyacetic acid (2,4-D) (94-75-7)
2,4,5-TP (Silvex) (93-72-1)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
1000 µg/mL each in acetonitrile, 1 mL/ampul	Yes	6 months	24 months	Ambient	10 °C or colder	ea.	32429

Chlorinated Acids by LC, Mix A (8 components)

Acifluorfen (50594-66-6)
Bentazon (25057-89-0)
Chloramben (133-90-4)
2,4-D (94-75-7)
Dicamba (1918-00-9)
Dichlorprop (120-36-5)
Picloram (1918-02-1)
2,4,5-TP (Silvex) (93-72-1)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
1000 µg/mL each in acetonitrile, 1 mL/ampul	Yes	6 months	24 months	Ambient	10 °C or colder	ea.	32431

Chlorinated Acids by LC, Mix B (8 components)

2,4-DB (94-82-6)
3,5-Dichlorobenzoic acid (51-36-5)
Dinoseb (88-85-7)
MCPA (94-74-6)
MCPP (Mecoprop) (93-65-2)
4-Nitrophenol (100-02-7)
Pentachlorophenol (87-86-5)
2,4,5-T (93-76-5)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
1000 µg/mL each in acetonitrile, 1 mL/ampul	Yes	6 months	24 months	Ambient	10 °C or colder	ea.	32430

CLP 04.1 B/N Matrix Spike Mix (4 components)

Acenaphthene (83-32-9)
2,4-Dinitrotoluene (121-14-2)
N-Nitroso-di-*n*-propylamine (621-64-7)
Pyrene (129-00-0)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
1000 µg/mL each in methanol, 1 mL/ampul	Yes	6 months	25 months	Ambient	10 °C or colder	ea.	31492

CLP 04.1 B/N MegaMix Kit

Contains 1 mL each of these mixtures.

31903: CLP 04.1 B/N MegaMix Standard, Revision 2

Acenaphthene (83-32-9)
Acenaphthylene (208-96-8)
Acetophenone (98-86-2)
Anthracene (120-12-7)
Benz[a]anthracene (56-55-3)
Benzo[a]pyrene (50-32-8)
Benzo[b]fluoranthene (205-99-2)
Benzo[g,h,i]perylene (191-24-2)
Benzo[k]fluoranthene (207-08-9)
Benzyl butyl phthalate (85-68-7)
Biphenyl (92-52-4)
Bis(2-chloroethoxy)methane (111-91-1)
Bis(2-chloroethyl)ether (111-44-4)
Bis(2-ethylhexyl)phthalate (117-81-7)
4-Bromophenyl phenyl ether (101-55-3)
Carbazole (86-74-8)
4-Chloroaniline (106-47-8)
2-Chloronaphthalene (91-58-7)
4-Chlorophenyl phenyl ether (7005-72-3)
Chrysene (218-01-9)
Dibenz[a,h]anthracene (53-70-3)
Dibenzofuran (132-64-9)
Diethylphthalate (84-66-2)
Dimethylphthalate (131-11-3)
Di-*n*-butyl phthalate (84-74-2)
2,4-Dinitrotoluene (121-14-2)
2,6-Dinitrotoluene (606-20-2)
Di-*n*-octyl phthalate (117-84-0)
Diphenylamine (122-39-4)*
Fluoranthene (206-44-0)
Fluorene (86-73-7)
Hexachlorobenzene (118-74-1)
Hexachloro-1,3-butadiene (hexachlorobutadiene) (87-68-3)
Hexachlorocyclopentadiene (77-47-4)
Hexachloroethane (67-72-1)
Indeno[1,2,3-cd]pyrene (193-39-5)
Isophorone (78-59-1)
2-Methylnaphthalene (91-57-6)
Naphthalene (91-20-3)
2-Nitroaniline (88-74-4)
3-Nitroaniline (99-09-2)
4-Nitroaniline (100-01-6)
Nitrobenzene (98-95-3)
N-Nitroso-di-*n*-propylamine (621-64-7)
2,2'-Oxybis(1-chloropropane) (108-60-1)
Phenanthrene (85-01-8)
Pyrene (129-00-0)

31902: CLP/SVOA Additions Mix

Atrazine (1912-24-9)
Benzaldehyde (100-52-7)
ε-Caprolactam (105-60-2)

Description	CRM?	Min Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
CLP 04.1 B/N MegaMix Kit	Yes	6 months	Ambient	0 °C or colder	kit	31905

CLP 04.1 B/N MegaMix Standard, Revision 2 (47 components)

Acenaphthene (83-32-9)
Acenaphthylene (208-96-8)
Acetophenone (98-86-2)
Anthracene (120-12-7)
Benz[a]anthracene (56-55-3)
Benzo[a]pyrene (50-32-8)
Benzo[b]fluoranthene (205-99-2)
Benzo[g,h,i]perylene (191-24-2)
Benzo[k]fluoranthene (207-08-9)
Benzyl butyl phthalate (85-68-7)
Biphenyl (92-52-4)
Bis(2-chloroethoxy)methane (111-91-1)
Bis(2-chloroethyl)ether (111-44-4)
Bis(2-ethylhexyl)phthalate (117-81-7)
4-Bromophenyl phenyl ether (101-55-3)
Carbazole (86-74-8)
4-Chloroaniline (106-47-8)
2-Chloronaphthalene (91-58-7)
4-Chlorophenyl phenyl ether (7005-72-3)
Chrysene (218-01-9)
Dibenz[a,h]anthracene (53-70-3)
Dibenzofuran (132-64-9)
Diethylphthalate (84-66-2)
Dimethylphthalate (131-11-3)
Di-*n*-butyl phthalate (84-74-2)
2,4-Dinitrotoluene (121-14-2)
2,6-Dinitrotoluene (606-20-2)
Di-*n*-octyl phthalate (117-84-0)
Diphenylamine (122-39-4)*
Fluoranthene (206-44-0)
Fluorene (86-73-7)
Hexachlorobenzene (118-74-1)
Hexachloro-1,3-butadiene (hexachlorobutadiene) (87-68-3)
Hexachlorocyclopentadiene (77-47-4)
Hexachloroethane (67-72-1)
Indeno[1,2,3-cd]pyrene (193-39-5)
Isophorone (78-59-1)
2-Methylnaphthalene (91-57-6)
Naphthalene (91-20-3)
2-Nitroaniline (88-74-4)
3-Nitroaniline (99-09-2)
4-Nitroaniline (100-01-6)
Nitrobenzene (98-95-3)
N-Nitroso-di-*n*-propylamine (621-64-7)
2,2'-Oxybis(1-chloropropane) (108-60-1)
Phenanthrene (85-01-8)
Pyrene (129-00-0)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
1000 µg/mL each in methylene chloride, 1 mL/ampul	Yes	6 months	18 months	Ambient	0 °C or colder	ea.	31903

*N-nitrosodiphenylamine (CLP-listed analyte) decomposes to diphenylamine (mix component) in the injector.

CLP 04.1 BNA Surrogate Mix (8 components)

2-Chlorophenol-d4 (93951-73-6), 1500 µg/mL
1,2-Dichlorobenzene-d4 (2199-69-1), 1000 µg/mL
2-Fluorobiphenyl (321-60-8), 1000 µg/mL
2-Fluorophenol (367-12-4), 1500 µg/mL
Nitrobenzene-d5 (4165-60-0), 1000 µg/mL
Phenol-d6 (13127-88-3), 1500 µg/mL
p-Terphenyl-d14 (1718-51-0), 1000 µg/mL
2,4,6-Tribromophenol (118-79-6), 1500 µg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In methylene chloride, 1 mL/ampul	Yes	6 months	45 months	Ambient	10 °C or colder	ea.	31493

CLP 04.1 Phenols Calibration Mix (14 components)

4-Chloro-3-methylphenol (59-50-7)
2-Chlorophenol (95-57-8)
2,4-Dichlorophenol (120-83-2)
2,4-Dimethylphenol (105-67-9)
4,6-Dinitro-2-methylphenol (Dinitro-*o*-cresol) (534-52-1)
2,4-Dinitrophenol (51-28-5)
2-Methylphenol (*o*-cresol) (95-48-7)
4-Methylphenol (*p*-cresol) (106-44-5)
2-Nitrophenol (88-75-5)
4-Nitrophenol (100-02-7)
Pentachlorophenol (87-86-5)
Phenol (108-95-2)
2,4,5-Trichlorophenol (95-95-4)
2,4,6-Trichlorophenol (88-06-2)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in methylene chloride, 1 mL/ampul	Yes	6 months	96 months	Ambient	10 °C or colder	ea.	31494

CLP 04.1 VOA CAL2000 MegaMix Standard (40 components)

Benzene (71-43-2)
Bromodichloromethane (75-27-4)
Bromoform (75-25-2)
Carbon disulfide (75-15-0)
Carbon tetrachloride (56-23-5)
Chlorobenzene (108-90-7)
Chloroform (67-66-3)
Cyclohexane (110-82-7)
Dibromochloromethane (124-48-1)
1,2-Dibromo-3-chloropropane (DBCP) (96-12-8)
1,2-Dibromoethane (EDB) (106-93-4)
1,2-Dichlorobenzene (95-50-1)
1,3-Dichlorobenzene (541-73-1)
1,4-Dichlorobenzene (106-46-7)
1,1-Dichloroethane (75-34-3)
1,2-Dichloroethane (107-06-2)
1,1-Dichloroethene (75-35-4)
cis-1,2-Dichloroethene (156-59-2)
trans-1,2-Dichloroethene (156-60-5)
1,2-Dichloropropane (78-87-5)
cis-1,3-Dichloropropene (10061-01-5)
trans-1,3-Dichloropropene (10061-02-6)
Ethylbenzene (100-41-4)
Isopropylbenzene (cumene) (98-82-8)
Methyl acetate (79-20-9)
Methyl *tert*-butyl ether (MTBE) (1634-04-4)
Methylcyclohexane (108-87-2)
Methylene chloride (dichloromethane) (75-09-2)
Styrene (100-42-5)
1,1,2,2-Tetrachloroethane (79-34-5)
Tetrachloroethene (127-18-4)
Toluene (108-88-3)
1,2,4-Trichlorobenzene (120-82-1)
1,1,1-Trichloroethane (71-55-6)
1,1,2-Trichloroethane (79-00-5)
Trichloroethene (79-01-6)
1,1,2-Trichloro-1,2,2-trifluoroethane (CFC-113) (76-13-1)
m-Xylene (108-38-3)
o-Xylene (95-47-6)
p-Xylene (106-42-3)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	36 months	Ambient	0 °C or colder	ea.	30456

CLP 04.1 VOA Internal Standard/SMC Spike Mix (6 components)

Bromochloromethane (74-97-5)
1-Bromo-4-fluorobenzene (BFB) (460-00-4)
Chlorobenzene-d5 (3114-55-4)
1,2-Dichloroethane-d4 (17060-07-0)
1,4-Difluorobenzene (540-36-3)
Toluene-d8 (2037-26-5)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2500 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	60 months	Ambient	0 °C or colder	ea.	30457

CLP 04.1 VOA Kit #3

Contains 1 mL each of these mixtures.

30006: VOA Calibration Mix #1 (ketones)
Acetone (67-64-1)
2-Butanone (MEK) (78-93-3)
2-Hexanone (591-78-6)
4-Methyl-2-pentanone (MIBK) (108-10-1)

30042: 502.2 Calibration Mix #1 (gases)
Bromomethane (methyl bromide) (74-83-9)
Chloroethane (ethyl chloride) (75-00-3)
Chloromethane (methyl chloride) (74-87-3)
Dichlorodifluoromethane (CFC-12) (75-71-8)
Trichlorofluoromethane (CFC-11) (75-69-4)
Vinyl chloride (75-01-4)

30456: CLP 04.1 VOA CAL2000 MegaMix Standard
Benzene (71-43-2)
Bromodichloromethane (75-27-4)
Bromoform (75-25-2)
Carbon disulfide (75-15-0)
Carbon tetrachloride (56-23-5)
Chlorobenzene (108-90-7)
Chloroform (67-66-3)
Cyclohexane (110-82-7)
Dibromochloromethane (124-48-1)
1,2-Dibromo-3-chloropropane (DBCP) (96-12-8)
1,2-Dibromoethane (EDB) (106-93-4)
1,2-Dichlorobenzene (95-50-1)
1,3-Dichlorobenzene (541-73-1)
1,4-Dichlorobenzene (106-46-7)
1,1-Dichloroethane (75-34-3)
1,2-Dichloroethene (107-06-2)
1,1-Dichloroethene (75-35-4)
cis-1,2-Dichloroethene (156-59-2)
trans-1,2-Dichloroethene (156-60-5)
1,2-Dichloropropane (78-87-5)
cis-1,3-Dichloropropene (10061-01-5)
trans-1,3-Dichloropropene (10061-02-6)
Ethylbenzene (100-41-4)
Isopropylbenzene (cumene) (98-82-8)
Methyl acetate (79-20-9)
Methyl *tert*-butyl ether (MTBE) (1634-04-4)
Methylcyclohexane (108-87-2)
Methylene chloride (dichloromethane) (75-09-2)
Styrene (100-42-5)
1,1,2,2-Tetrachloroethane (79-34-5)
Tetrachloroethene (127-18-4)
Toluene (108-88-3)
1,2,4-Trichlorobenzene (120-82-1)
1,1,1-Trichloroethane (71-55-6)
1,1,2-Trichloroethane (79-00-5)
Trichloroethene (79-01-6)
1,1,2-Trichloro-1,2,2-trifluoroethane (CFC-113) (76-13-1)
m-Xylene (108-38-3)
o-Xylene (95-47-6)
p-Xylene (106-42-3)

Description	CRM?	Min Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
CLP 04.1 VOA Kit #3	Yes	6 months	Ambient	0 °C or colder	kit	30460

CLP GPC Calibration Mix (5 components)

Bis(2-ethylhexyl)phthalate (117-81-7), 10 mg/mL
Corn oil (8001-30-7), 250 mg/mL
Methoxychlor (72-43-5), 2.0 mg/mL
Perylene (198-55-0), 0.2 mg/mL
Sulfur (7704-34-9), 0.8 mg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
In methylene chloride, 1 mL/ampul	No	6 months	52 months	Ambient	10 °C or colder	No	ea.	32019
In methylene chloride, 5 mL/ampul	No	6 months	52 months	Ambient	10 °C or colder	No	ea.	32023

CLP VOA CAL2000 MegaMix Kit

Contains 1 mL each of these mixtures.

30632: CLP VOA CAL2000 MegaMix Standard
Benzene (71-43-2)
Bromodichloromethane (75-27-4)
Bromoform (75-25-2)
Carbon disulfide (75-15-0)
Carbon tetrachloride (56-23-5)
Chlorobenzene (108-90-7)
Chloroform (67-66-3)
Dibromochloromethane (124-48-1)
1,1-Dichloroethane (75-34-3)
1,2-Dichloroethane (107-06-2)
1,1-Dichloroethene (75-35-4)
cis-1,2-Dichloroethene (156-59-2)
trans-1,2-Dichloroethene (156-60-5)
1,2-Dichloropropane (78-87-5)
cis-1,3-Dichloropropene (10061-01-5)
trans-1,3-Dichloropropene (10061-02-6)
Ethylbenzene (100-41-4)
Methylene chloride (dichloromethane) (75-09-2)
Styrene (100-42-5)
1,1,2,2-Tetrachloroethane (79-34-5)
Tetrachloroethene (127-18-4)
Toluene (108-88-3)
1,1,1-Trichloroethane (71-55-6)
1,1,2-Trichloroethane (79-00-5)
Trichloroethene (79-01-6)
m-Xylene (108-38-3)
o-Xylene (95-47-6)
p-Xylene (106-42-3)

30216: Vinyl Acetate
Vinyl acetate (108-05-4)

Description	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
CLP VOA CAL2000 MegaMix Kit	Yes	6 months	18 months	On Ice	–20 °C or colder	kit	30438

CLP VOA CAL2000 MegaMix Standard (28 components)

Benzene (71-43-2)
Bromodichloromethane (75-27-4)
Bromoform (75-25-2)
Carbon disulfide (75-15-0)
Carbon tetrachloride (56-23-5)
Chlorobenzene (108-90-7)
Chloroform (67-66-3)
Dibromochloromethane (124-48-1)
1,1-Dichloroethane (75-34-3)
1,2-Dichloroethane (107-06-2)
1,1-Dichloroethene (75-35-4)
cis-1,2-Dichloroethene (156-59-2)
trans-1,2-Dichloroethene (156-60-5)
1,2-Dichloropropane (78-87-5)
cis-1,3-Dichloropropene (10061-01-5)
trans-1,3-Dichloropropene (10061-02-6)
Ethylbenzene (100-41-4)
Methylene chloride (dichloromethane) (75-09-2)
Styrene (100-42-5)
1,1,2,2-Tetrachloroethane (79-34-5)
Tetrachloroethene (127-18-4)
Toluene (108-88-3)
1,1,1-Trichloroethane (71-55-6)
1,1,2-Trichloroethane (79-00-5)
Trichloroethene (79-01-6)
m-Xylene (108-38-3)
o-Xylene (95-47-6)
p-Xylene (106-42-3)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	60 months	Ambient	0 °C or colder	ea.	30632

CLP/SVOA Additions Mix (3 components)

Atrazine (1912-24-9)
Benzaldehyde (100-52-7)
ε-Caprolactam (105-60-2)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
1000 µg/mL in methylene chloride, 1 mL/ampul	Yes	6 months	24 months	Ambient	10 °C or colder	ea.	31902

Connecticut ETPH Calibration Mixture (15 components)

(C9) *n*-Nonane (111-84-2)
(C10) *n*-Decane (124-18-5)
(C12) *n*-Dodecane (112-40-3)
(C14) *n*-Tetradecane (629-59-4)
(C16) *n*-Hexadecane (544-76-3)
(C18) *n*-Octadecane (593-45-3)
(C20) *n*-Eicosane (112-95-8)
(C22) *n*-Docosane (629-97-0)
(C24) *n*-Tetracosane (646-31-1)
(C26) *n*-Hexacosane (630-01-3)
(C28) *n*-Octacosane (630-02-4)
(C30) *n*-Triacontane (638-68-6)
(C32) *n*-Dotriacontane (544-85-4)
(C34) *n*-Tetratriacontane (14167-59-0)
(C36) *n*-Hexatriacontane (630-06-8)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
1000 µg/mL each in methylene chloride, 1 mL/ampul	Yes	6 months	85 months	Ambient	25 °C nominal	ea.	31614

D2887 Calibration Mix (17 components)

Compound (CAS#), % by Weight

(C6) *n*-Hexane (110-54-3), 6% w/w
(C7) *n*-Heptane (142-82-5), 6% w/w
(C8) *n*-Octane (111-65-9), 8% w/w
(C9) *n*-Nonane (111-84-2), 8% w/w
(C10) *n*-Decane (124-18-5), 12% w/w
(C11) *n*-Undecane (1120-21-4), 12% w/w
(C12) *n*-Dodecane (112-40-3), 12% w/w
(C14) *n*-Tetradecane (629-59-4), 12% w/w
(C16) *n*-Hexadecane (544-76-3), 10% w/w
(C18) *n*-Octadecane (593-45-3), 5% w/w
(C20) *n*-Eicosane (112-95-8), 2% w/w
(C24) *n*-Tetracosane (646-31-1), 2% w/w
(C28) *n*-Octacosane (630-02-4), 1% w/w
(C32) *n*-Dotriacontane (544-85-4), 1% w/w
(C36) *n*-Hexatriacontane (630-06-8), 1% w/w
(C40) *n*-Tetracontane (4181-95-7), 1% w/w
(C44) *n*-Tetratetracontane (7098-22-8), 1% w/w

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
Packaged 1 mL/ampul	Yes	6 months	85 months	Ambient	25 °C nominal	No	ea.	31222

D3710-95 Calibration Mix (16 components)

Compound (CAS#), Conc. (% vol/vol)

(C5) *n*-Pentane (109-66-0), 8%
(C6) *n*-Hexane (110-54-3), 6%
(C7) *n*-Heptane (142-82-5), 10%
(C8) *n*-Octane (111-65-9), 5%
(C10) *n*-Decane (124-18-5), 4%
(C12) *n*-Dodecane (112-40-3), 4%
(C13) *n*-Tridecane (629-50-5), 2%
(C14) *n*-Tetradecane (629-59-4), 2%
(C15) *n*-Pentadecane (629-62-9), 2%
n-Butylbenzene (104-51-8), 4%
2,4-Dimethylpentane (108-08-7), 6%
2-Methylbutane (Isopentane) (78-78-4), 10%
2-Methylpentane (107-83-5), 6%
n-Propylbenzene (103-65-1), 5%
Toluene (108-88-3), 12%
p-Xylene (106-42-3), 14%

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
Packaged 1 mL/ampul	Yes	6 months	85 months	Ambient	10 °C or colder	No	ea.	31223

DHA Aromatics Standard (37 components)

Compound, Conc (wt/wt%)

Benzene, 8.255%
n-Butylbenzene, 2.077%
sec-Butylbenzene, 3.09%
tert-Butylbenzene, 2.058%
tert-1-Butyl-4-Ethylbenzene, 2.076%
tert-1-Butyl-2-Methylbenzene, 2.077%
tert-1-Butyl-3,4,5-Trimethylbenzene, 3.355%
1,2-Dimethyl-3-Ethylbenzene, 2.152%
1,2-Dimethyl-4-Ethylbenzene, 0.915%
1,3-Dimethyl-2-Ethylbenzene, 0.799%
1,3-Dimethyl-5-Ethylbenzene, 0.407%
1,4-Dimethyl-2-Ethylbenzene, 2.076%
Ethylbenzene, 8.248%
Hexylbenzene, 5.155%
Isobutylbenzene, 3.099%
Isopropylbenzene, 2.085%
2-Methylbutylbenzene, 0.118%
1-Methyl-2-Ethylbenzene, 1.571%
1-Methyl-3-Ethylbenzene, 2.795%
1-Methyl-4-Ethylbenzene, 2.07%
1-Methyl-2-Isopropylbenzene, 2.806%
1-Methyl-3-Isopropylbenzene, 1.066%
1-Methyl-4-Isopropylbenzene, 4.126%
1-Methyl-2-*n*-Propylbenzene, 2.148%
1-Methyl-3-*n*-Propylbenzene, 2.084%
1-Methyl-4-*n*-Propylbenzene, 2.073%
Pentylbenzene, 2.058%
N-Propylbenzene, 3.091%
1,2,4,5-Tetramethylbenzene, 0.86%
Toluene, 12.342%
1,2,4-Triethylbenzene, 1.014%
1,3,5-Triethylbenzene, 2.087%
1,2,4-Trimethylbenzene, 2.066%
1,3,5-Trimethylbenzene, 0.422%
m-Xylene, 3.108%
o-Xylene, 3.125%
p-Xylene, 1.041%

Conc. in Solvent	CRM?	Shipping Conditions	Storage Temp.	qty.	cat.#
Neat, 0.15 mL in Autosampler Vial	No	Ambient	10 °C or colder	ea.	30729

DHA Isoparaffins Standard (33 components)

Compound, Conc (wt/wt%)

3,3-Diethylpentane, 1.914%
2,3-Dimethylbutane, 2.352%
2,3-Dimethylheptane, 1.16%
2,5-Dimethylheptane, 3.86%
3,3-Dimethylheptane, 1.765%
3,4-Dimethylheptane, 0.839%
3,5-Dimethylheptane, 2.344%
2,2-Dimethylhexane, 0.786%
2,4-Dimethylhexane, 1.454%
2,5-Dimethylhexane, 5.854%
2,2-Dimethyloctane, 2.095%
3,3-Dimethyloctane, 0.804%
2,2-Dimethylpentane, 2.438%
2,3-Dimethylpentane, 4.668%
2,4-Dimethylpentane, 5.931%
3,3-Dimethylpentane, 2.305%
3-Ethylhexane, 0.307%
3-Ethyloctane, 1.068%
3-Ethylpentane, 0.882%
Isopentane, 1.599%
2-Methylheptane, 4.731%
3-Methylheptane, 5.909%
4-Methylheptane, 1.508%
2-Methylhexane, 4.689%
3-Methylhexane, 2.374%
2-Methylnonane, 1.582%
3-Methylnonane, 5.272%
2-Methyloctane, 1.289%
3-Methyloctane, 6.995%
2-Methylpentane, 6.377%
3-Methylpentane, 10.517%
2,2,3-Trimethylbutane, 0.66%
2,2,3-Trimethylpentane, 3.673%

Conc. in Solvent	CRM?	Shipping Conditions	Storage Temp.	qty.	cat.#
Neat, 0.15 mL in Autosampler Vial	No	Ambient	10 °C or colder	ea.	30726

DHA Naphthenes Standard (26 components)

Compound, Conc (wt/wt%)

Cyclohexane, 4.773%
Cyclopentane, 9.455%
cis-1,2-Dimethylcyclohexane, 10.276%
trans-1,2-Dimethylcyclohexane, 1.642%
trans-1,4-Dimethylcyclohexane, 4.705%
trans-1,2-Dimethylcyclopentane, 3.653%
cis-1,3-Dimethylcyclopentane, 0.3%
trans-1,3-Dimethylcyclopentane, 5.799%
Ethylcyclopentane, 7.837%
1-Ethyl-1-Methylcyclopentane, 1.459%
Isobutylcyclohexane, 3.666%
Isobutylcyclopentane, 1.334%
Isopropylcyclopentane, 1.305%
Methylcyclohexane, 3.677%
Methylcyclopentane, 5.921%
t-1-Methyl-2(Methylphenyl)cyclopentane, 3.592%
t-1-Methyl-2-N-Propylcyclohexane, 4.637%
N-Propylcyclopentane, 4.373%
1,1,2-Trimethylcyclohexane, 1.842%
1,1,4-Trimethylcyclohexane, 6.304%
ctc-1,2,3-Trimethylcyclohexane, 3.676%
ctc-1,2,4-Trimethylcyclohexane, 1.062%
ctt-1,2,4-Trimethylcyclohexane, 1.839%
ccc-1,3,5-Trimethylcyclohexane, 2.343%
ccc-1,2,3-Trimethylcyclopentane, 0.795%
ctc-1,2,3-Trimethylcyclopentane, 3.738%

Conc. in Solvent	CRM?	Shipping Conditions	Storage Temp.	qty.	cat.#
Neat, 0.15 mL in Autosampler Vial	No	Ambient	10 °C or colder	ea.	30728

DHA Olefins Standard (26 components)

Compound, Conc (wt/wt%)
1-Decene, 2.265%
1-Heptene, 6.787%
cis-2-Heptene, 3.418%
trans-2-Heptene, 0.53%
cis-3-Heptene, 1.02%
trans-3-Heptene, 3.747%
1-Hexene, 11.249%
cis-2-Hexene, 2.921%
trans-2-Hexene, 1.632%
2-Methyl-1,3-Butadiene, 3.68%
2-Methyl-1-Butene, 2.211%
3-Methyl-1-Butene, 1.534%
2-Methyl-1-Nonene, 3.412%
2-Methyl-2-Pentene, 3.444%
4-Methyl-1-Pentene, 3.398%
1-Nonene, 6.912%
trans-2-Nonene, 2.282%
cis-3-Nonene, 3.027%
trans-3-Nonene, 2.315%
cis-4-Nonene, 4.365%
1-Octene, 11.339%
cis-2-Octene, 2.312%
trans-2-Octene, 3.453%
1-Pentene, 8.786%
cis-2-Pentene, 1.107%
trans-2-Pentene, 2.852%

Conc. in Solvent	CRM?	Shipping Conditions	Storage Temp.	qty.	cat.#
Neat, 0.15 mL in Autosampler Vial	No	Ambient	10 °C or colder	ea.	30727

DHA Paraffins Standard (11 components)

Compound, Conc (wt/wt%)
N-Decane, 9.134%
N-Dodecane, 9.089%
N-Heptane, 9.066%
N-Hexane, 9.097%
N-Nonane, 9.086%
N-Octane, 9.054%
N-Pentadecane, 9.123%
N-Pentane, 9.094%
N-Tetradecane, 9.128%
N-Tridecane, 9.064%
N-Undecane, 9.064%

Conc. in Solvent	CRM?	Shipping Conditions	Storage Temp.	qty.	cat.#
Neat, 0.15 mL in Autosampler Vial	No	Ambient	10 °C or colder	ea.	30725

DHA PiONA Standard (133 components)

Compound, Conc (wt/wt%)
Paraffins
N-Decane, 1.736%
N-Dodecane, 1.727%
N-Heptane, 1.723%
N-Hexane, 1.729%
N-Nonane, 1.727%
N-Octane, 1.721%
N-Pentadecane, 1.734%
N-Pentane, 1.728%
N-Tetradecane, 1.735%
N-Tridecane, 1.723%
N-Undecane, 1.723%
Isoparaffins
3,3-Diethylpentane, 0.364%
2,3-Dimethylbutane, 0.447%
2,3-Dimethylheptane, 0.22%
2,5-Dimethylheptane, 0.733%
3,3-Dimethylheptane, 0.335%
3,4-Dimethylheptane, 0.159%
3,5-Dimethylheptane, 0.445%
2,2-Dimethylhexane, 0.149%
2,4-Dimethylhexane, 0.276%
2,5-Dimethylhexane, 1.112%
2,2-Dimethyloctane, 0.398%
3,3-Dimethyloctane, 0.153%
2,2-Dimethylpentane, 0.463%
2,3-Dimethylpentane, 0.887%
2,4-Dimethylpentane, 1.127%
3,3-Dimethylpentane, 0.438%
3-Ethylhexane, 0.058%
3-Ethyloctane, 0.203%
3-Ethylpentane, 0.168%
Isopentane, 0.304%
2-Methylheptane, 0.899%
3-Methylheptane, 1.122%
4-Methylheptane, 0.286%
2-Methylhexane, 0.891%
3-Methylhexane, 0.451%
2-Methylnonane, 0.3%
3-Methylnonane, 1.001%
2-Methyloctane, 0.245%
3-Methyloctane, 1.329%
2-Methylpentane, 1.211%
3-Methylpentane, 1.998%
2,2,3-Trimethylbutane, 0.125%
2,2,3-Trimethylpentane, 0.698%
Olefins
1-Decene, 0.43%
1-Heptene, 1.29%
cis-2-Heptene, 0.649%
trans-2-Heptene, 0.101%
cis-3-Heptene, 0.194%
trans-3-Heptene, 0.712%
1-Hexene, 2.137%
cis-2-Hexene, 0.555%
trans-2-Hexene, 0.31%
2-Methyl-1,3-Butadiene, 0.699%
2-Methyl-1-Butene, 0.42%
3-Methyl-1-Butene, 0.291%
2-Methyl-1-Nonene, 0.648%
2-Methyl-2-Pentene, 0.654%
4-Methyl-1-Pentene, 0.646%
1-Nonene, 1.313%
trans-2-Nonene, 0.434%
cis-3-Nonene, 0.575%
trans-3-Nonene, 0.44%
cis-4-Nonene, 0.829%
1-Octene, 2.155%
cis-2-Octene, 0.439%
trans-2-Octene, 0.656%
1-Pentene, 1.669%
cis-2-Pentene, 0.21%
trans-2-Pentene, 0.542%
Naphthenes
Cyclohexane, 0.954%
Cyclopentane, 1.891%
cis-1,2-Dimethylcyclohexane, 2.055%
trans-1,2-Dimethylcyclohexane, 0.328%
trans-1,4-Dimethylcyclohexane, 0.941%
trans-1,2-Dimethylcyclopentane, 0.73%
cis-1,3-Dimethylcyclopentane, 0.06%
trans-1,3-Dimethylcyclopentane, 1.16%
Ethylcyclopentane, 1.567%
1-Ethyl-1-Methylcyclopentane, 0.292%
Isobutylcyclohexane, 0.733%
Isobutylcyclopentane, 0.267%
Isopropylcyclopentane, 0.261%
Methylcyclohexane, 0.735%
Methylcyclopentane, 1.184%
t-1-Methyl-2(4-Methylphenyl)cyclopentane, 0.718%
t-1-Methyl-2-N-Propylcyclohexane, 0.927%
N-Propylcyclopentane, 0.874%
1,1,2-Trimethylcyclohexane, 0.368%
1,1,4-Trimethylcyclohexane, 1.261%
ctc-1,2,3-Trimethylcyclohexane, 0.735%
ctc-1,2,4-Trimethylcyclohexane, 0.212%
ctt-1,2,4-Trimethylcyclohexane, 0.368%
ccc-1,3,5-Trimethylcyclohexane, 0.469%
ccc-1,2,3-Trimethylcyclopentane, 0.159%
ctc-1,2,3-Trimethylcyclopentane, 0.747%
Aromatics
Benzene, 1.899%
n-Butylbenzene, 0.478%
sec-Butylbenzene, 0.711%
tert-Butylbenzene, 0.473%
tert-1-Butyl-4-Ethylbenzene, 0.478%
tert-1-Butyl-2-Methylbenzene, 0.478%
tert-1-Butyl-3,4,5-Trimethylbenzene, 0.772%
1,2-Dimethyl-3-Ethylbenzene, 0.495%
1,2-Dimethyl-4-Ethylbenzene, 0.21%
1,3-Dimethyl-2-Ethylbenzene, 0.184%
1,3-Dimethyl-5-Ethylbenzene, 0.094%
1,4-Dimethyl-2-Ethylbenzene, 0.478%
Ethylbenzene, 1.897%
Hexylbenzene, 1.186%
Isobutylbenzene, 0.713%
Isopropylbenzene, 0.48%
2-Methylbutylbenzene, 0.027%
1-Methyl-2-Ethylbenzene, 0.361%
1-Methyl-3-Ethylbenzene, 0.643%
1-Methyl-4-Ethylbenzene, 0.476%
1-Methyl-2-Isopropylbenzene, 0.645%
1-Methyl-3-Isopropylbenzene, 0.245%
1-Methyl-4-Isopropylbenzene, 0.949%
1-Methyl-2-*n*-Propylbenzene, 0.494%
1-Methyl-3-*n*-Propylbenzene, 0.479%
1-Methyl-4-*n*-Propylbenzene, 0.477%
Pentylbenzene, 0.473%
N-Propylbenzene, 0.711%
1,2,4,5-Tetramethylbenzene, 0.198%
Toluene, 2.839%
1,2,4-Triethylbenzene, 0.233%
1,3,5-Triethylbenzene, 0.48%
1,2,4-Trimethylbenzene, 0.475%
1,3,5-Trimethylbenzene, 0.097%
m-Xylene, 0.715%
o-Xylene, 0.719%
p-Xylene, 0.239%

Conc. in Solvent	CRM?	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
Neat, 0.15 mL in Autosampler Vial	No	Ambient	10 °C or colder	No	ea.	30730

DHA PONA Standard (188 components)

Compound, Conc (wt/wt%)

Paraffins
N-Butane, 2.086%
N-Decane, 0.966%
N-Dodecane, 0.943%
N-Heptane, 2.479%
N-Hexane, 3.882%
N-Nonane, 1.048%
N-Octane, 1.403%
N-Pentadecane, 0.947%
N-Pentane, 4.093%
Propane, 0.251%
N-Tetradecane, 0.947%
N-Tridecane, 0.941%
N-Undecane, 0.941%

Isoparaffins
C8 Isoparaffin, 0.004%
C8 Isoparaffin, 0.007%
C8 Isoparaffin, 0.009%
C8 Isoparaffin, 0.018%
C8 Isoparaffin, 0.029%
C9 Isoparaffin, 0.018%
C11 Isoparaffin, 0.004%
C12 Isoparaffin, 0.008%
C15 Isoparaffin, 0.007%
3,3-Diethylpentane, 0.378%
2,2-Dimethylbutane, 0.233%
2,3-Dimethylbutane, 0.985%
2,2-Dimethylheptane, 0.042%
2,3-Dimethylheptane, 0.242%
2,4-Dimethylheptane, 0.058%
2,5-Dimethylheptane, 0.813%
3,3-Dimethylheptane, 0.355%
3,4-Dimethylheptane, 0.166%
3,5-Dimethylheptane, 0.463%
2,2-Dimethylhexane, 0.155%
2,3-Dimethylhexane, 0.041%
2,4-Dimethylhexane, 0.287%
2,5-Dimethylhexane, 1.156%
2,2-Dimethyloctane, 0.416%
2,5-Dimethyloctane, 0.004%
3,3-Dimethyloctane, 0.158%
2,2-Dimethylpentane, 0.623%
2,3-Dimethylpentane, 1.129%
2,4-Dimethylpentane, 1.356%
3,3-Dimethylpentane, 0.528%
2,2-Dimethylpropane, 0.02%
3-Ethylhexane, 0.103%
3-Ethyloctane, 0.211%
3-Ethylpentane, 0.374%
I9, 0.005%
I15, 0.004%
I20, 0.01%
I24, 0.003%
I45, 0.007%
Isobutane, 0.7%
Isopentane, 3.249%
2-Methylheptane, 1.286%
3-Methylheptane, 1.455%
4-Methylheptane, 0.411%
2-Methylhexane, 1.909%
3-Methylhexane, 1.36%
2-Methylnonane, 0.32%
3-Methylnonane, 1.047%
2-Methyloctane, 0.308%
3-Methyloctane, 1.432%
2-Methylpentane, 3.408%
3-Methylpentane, 3.369%
2,2,3-Trimethylbutane, 0.158%
2,2,3-Trimethylhexane, 0.064%
2,2,4-Trimethylhexane, 0.006%
2,2,3-Trimethylpentane, 0.825%

Olefins
1-Decene, 0.197%
1-Heptene, 0.59%
cis-2-Heptene, 0.297%
trans-2-Heptene, 0.046%
cis-3-Heptene, 0.088%
trans-3-Heptene, 0.326%
1-Hexene, 0.978%
cis-2-Hexene, 0.254%
trans-2-Hexene, 0.141%
cis-Hexene-3, 0.008%
trans-Hexene-3, 0.026%
2-Methyl-1,3-Butadiene, 0.32%
2-Methyl-1-Butene, 0.193%
3-Methyl-1-Butene, 0.133%
2-Methyl-1-Nonene, 0.297%
2-Methyl-2-Pentene, 0.299%
3-Methyl-t-Pentene-2, 0.009%
4-Methyl-1-Pentene, 0.295%
1-Nonene, 0.601%
trans-2-Nonene, 0.199%
cis-3-Nonene, 0.263%
trans-3-Nonene, 0.202%
cis-4-Nonene, 0.379%
1-Octene, 0.986%
cis-2-Octene, 0.201%
trans-2-Octene, 0.3%
1,4-Pentadiene, 0.004%
1-Pentene, 0.763%
cis-2-Pentene, 0.096%
trans-2-Pentene, 0.248%

Naphthenes
N-Butylcyclopentane, 0.008%
Cyclohexane, 1.422%
Cyclopentane, 0.532%
cis-1,2-Dimethylcyclohexane, 0.599%
trans-1,2-Dimethylcyclohexane, 0.152%
1c,3-Dimethylcyclohexane, 0.007%
1c,4-Dimethylcyclohexane, 0.003%
trans-1,4-Dimethylcyclohexane, 0.344%
1,1-Dimethylcyclopentane, 0.099%
trans-1,2-Dimethylcyclopentane, 0.43%
cis-1,3-Dimethylcyclopentane, 0.174%
trans-1,3-Dimethylcyclopentane, 0.326%
Ethylcyclopentane, 0.592%
1-Ethyl-1-Methylcyclopentane, 0.082%
2t-Ethylmethylcyclopentane, 0.036%
Isobutylcyclohexane, 0.207%
Isobutylcyclopentane, 0.075%
Isopropylcyclopentane, 0.076%
Methylcyclohexane, 1.968%
Methylcyclopentane, 1.238%
t-1-Methyl-2(4-Methylphenyl)cyclopentane, 0.203%
t-1-Methyl-2-N-Propylcyclohexane, 0.263%
N3, 0.004%
N14, 0.04%
N26, 0.007%
N29, 0.004%
N30, 0.008%
N37, 0.011%
N-Propylcyclopentane, 0.25%
1,1,2-Trimethylcyclohexane, 0.103%
1,1,4-Trimethylcyclohexane, 0.376%
ctc-1,2,3-Trimethylcyclohexane, 0.207%
ctc-1,2,4-Trimethylcyclohexane, 0.06%
ctt-1,2,4-Trimethylcyclohexane, 0.103%
ccc-1,3,5-Trimethylcyclohexane, 0.131%
1,1,2-Trimethylcyclopentane, 0.018%
1,1,3-Trimethylcyclopentane, 0.044%
ccc-1,2,3-Trimethylcyclopentane, 0.045%
ctc-1,2,3-Trimethylcyclopentane, 0.211%
tcc-1,2,3-Trimethylcyclopentane, 0.032%
ctc-1,2,4-Trimethylcyclopentane, 0.04%

Aromatics
Benzene, 1.752%
N-Butylbenzene, 0.349%
sec-Butylbenzene, 0.519%
tert-Butylbenzene, 0.345%
tert-1-Butyl-4-Ethylbenzene, 0.348%
tert-1-Butyl-2-Methylbenzene, 0.349%
tert-1-Butyl-3,4,5-Trimethylbenzene, 0.563%
1,4-Diethylbenzene, 0.005%
1,2-Dimethyl-3-Ethylbenzene, 0.361%
1,2-Dimethyl-4-Ethylbenzene, 0.153%
1,3-Dimethyl-2-Ethylbenzene, 0.134%
1,3-Dimethyl-5-Ethylbenzene, 0.068%
1,4-Dimethyl-2-Ethylbenzene, 0.348%
Ethylbenzene, 1.425%
Hexylbenzene, 0.865%
Isobutylbenzene, 0.52%
Isopropylbenzene, 0.353%
1,2-Di-isopropylbenzene, 0.012%
2-Methylbutylbenzene, 0.02%
1,4-Methyl-t-Butylbenzene, 0.004%
1-Methyl-2-Ethylbenzene, 0.264%
1-Methyl-3-Ethylbenzene, 0.48%
1-Methyl-4-Ethylbenzene, 0.357%
1-Methyl-2-Isopropylbenzene, 0.47%
1-Methyl-3-Isopropylbenzene, 0.179%
1-Methyl-4-Isopropylbenzene, 0.692%
1,4-Methyl-*n*-Pentylbenzene, 0.006%
1-Methyl-2-*n*-Propylbenzene, 0.36%
1-Methyl-3-*n*-Propylbenzene, 0.35%
1-Methyl-4-*n*-Propylbenzene, 0.348%
Pentylbenzene, 0.345%
N-Propylbenzene, 0.519%
1,2,4,5-Tetramethylbenzene, 0.144%
Toluene, 3.031%
1,2,4-Triethylbenzene, 0.171%
1,3,5-Triethylbenzene, 0.35%
1,2,4-Trimethylbenzene, 0.362%
1,3,5-Trimethylbenzene, 0.092%
m-Xylene, 0.756%
o-Xylene, 0.57%
p-Xylene, 0.248%

Oxygenates
tert-Butanol, 0.886%
Ethanol, 5.761%
Isopropanol, 0.048%
Methanol, 0.953%
Methyl Decanoate, 0.019%
MTBE, 0.476%
TAME, 1.332%

Conc. in Solvent	CRM?	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
Neat, 0.15 mL in Autosampler Vial	No	Ambient	10 °C or colder	No	ea.	*30731*

Diesel #2/Mineral Oil (2 components)

Diesel fuel #2 composite (68334-30-5)
Mineral oil (8042-47-5)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
5000 µg/mL each in hexane, 1 mL/ampul	Yes	6 months	85 months	Ambient	25 °C nominal	ea.	*31676*

Diesel #2/Motor Oil (2 components)

Diesel fuel #2 composite (68334-30-5)

Motor oil (64742-65-0)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
5000 µg/mL each in hexane, 1 mL/ampul	Yes	6 months	85 months	Ambient	25 °C nominal	ea.	31682

Drinking Water Odor Standard (2 components)

(+/–)-Geosmin (16423-19-1)

2-Methylisoborneol (MIB) (2371-42-8)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
100 µg/mL in P&T methanol, 1 mL/ampul	Yes	6 months	24 months	Ambient	0 °C or colder	ea.	30608

Drinking Water VOA MegaMix Standard, 524.2 Rev. 4.1 (73 components)

Acrylonitrile (107-13-1)
Allyl chloride (3-chloropropene) (107-05-1)
Benzene (71-43-2)
Bromobenzene (108-86-1)
Bromochloromethane (74-97-5)
Bromodichloromethane (75-27-4)
Bromoform (75-25-2)
n-Butylbenzene (104-51-8)
sec-Butylbenzene (135-98-8)
tert-Butylbenzene (98-06-6)
Carbon disulfide (75-15-0)
Carbon tetrachloride (56-23-5)
Chloroacetonitrile (107-14-2)
Chlorobenzene (108-90-7)
1-Chlorobutane (butyl chloride) (109-69-3)
Chloroform (67-66-3)
2-Chlorotoluene (95-49-8)
4-Chlorotoluene (106-43-4)
Dibromochloromethane (chlorodibromomethane) (124-48-1)
1,2-Dibromo-3-chloropropane (DBCP) (96-12-8)
1,2-Dibromoethane (ethylene dibromide) (106-93-4)
Dibromomethane (74-95-3)
1,2-Dichlorobenzene (95-50-1)
1,3-Dichlorobenzene (541-73-1)
1,4-Dichlorobenzene (106-46-7)
trans-1,4-Dichloro-2-butene (110-57-6)
1,1-Dichloroethane (75-34-3)
1,2-Dichloroethane (107-06-2)
1,1-Dichloroethene (75-35-4)
cis-1,2-Dichloroethene (156-59-2)
trans-1,2-Dichloroethene (156-60-5)
1,2-Dichloropropane (78-87-5)
1,3-Dichloropropane (142-28-9)
2,2-Dichloropropane (594-20-7)
1,1-Dichloropropene (563-58-6)
cis-1,3-Dichloropropene (10061-01-5)
trans-1,3-Dichloropropene (10061-02-6)
Diethyl ether (ethyl ether) (60-29-7)
Ethylbenzene (100-41-4)
Ethyl methacrylate (97-63-2)
Hexachloro-1,3-butadiene (87-68-3)
Hexachloroethane (67-72-1)
Iodomethane (methyl iodide) (74-88-4)
Isopropylbenzene (cumene) (98-82-8)
4-Isopropyltoluene (*p*-cymene) (99-87-6)
Methacrylonitrile (126-98-7)
Methyl acrylate (96-33-3)
Methyl *tert*-butyl ether (MTBE) (1634-04-4)
Methylene chloride (dichloromethane) (75-09-2)
Methyl methacrylate (80-62-6)
Naphthalene (91-20-3)
Nitrobenzene (98-95-3)
2-Nitropropane (79-46-9)
Pentachloroethane (76-01-7)
Propionitrile (ethylcyanide) (107-12-0)
n-Propylbenzene (103-65-1)
Styrene (100-42-5)
1,1,1,2-Tetrachloroethane (630-20-6)
1,1,2,2-Tetrachloroethane (79-34-5)
Tetrachloroethene (127-18-4)
Tetrahydrofuran (109-99-9)
Toluene (108-88-3)
1,2,3-Trichlorobenzene (87-61-6)
1,2,4-Trichlorobenzene (120-82-1)
1,1,1-Trichloroethane (71-55-6)
1,1,2-Trichloroethane (79-00-5)
Trichloroethene (79-01-6)
1,2,3-Trichloropropane (96-18-4)
1,2,4-Trimethylbenzene (95-63-6)
1,3,5-Trimethylbenzene (108-67-8)
m-Xylene (108-38-3)
o-Xylene (95-47-6)
p-Xylene (106-42-3)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	36 months	Ambient	0 °C or colder	ea.	30601

DRO Mix (EPA/Wisconsin) (10 components)

(C10) *n*-Decane (124-18-5)
(C12) *n*-Dodecane (112-40-3)
(C14) *n*-Tetradecane (629-59-4)
(C16) *n*-Hexadecane (544-76-3)
(C18) *n*-Octadecane (593-45-3)
(C20) *n*-Eicosane (112-95-8)
(C22) *n*-Docosane (629-97-0)
(C24) *n*-Tetracosane (646-31-1)
(C26) *n*-Hexacosane (630-01-3)
(C28) *n*-Octacosane (630-02-4)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in methylene chloride, 1 mL/ampul	Yes	6 months	85 months	Ambient	25 °C nominal	ea.	31064

DRO Mix (Tennessee/Mississippi) (16 components)

(C10) *n*-Decane (124-18-5)
(C11) *n*-Undecane (1120-21-4)
(C12) *n*-Dodecane (112-40-3)
(C13) *n*-Tridecane (629-50-5)
(C14) *n*-Tetradecane (629-59-4)
(C15) *n*-Pentadecane (629-62-9)
(C16) *n*-Hexadecane (544-76-3)
(C17) *n*-Heptadecane (629-78-7)
(C18) *n*-Octadecane (593-45-3)
(C19) *n*-Nonadecane (629-92-5)
(C20) *n*-Eicosane (112-95-8)
(C21) *n*-Heneicosane (629-94-7)
(C22) *n*-Docosane (629-97-0)
(C23) *n*-Tricosane (638-67-5)
(C24) *n*-Tetracosane (646-31-1)
(C25) *n*-Pentacosane (629-99-2)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
1000 µg/mL each in methylene chloride, 1 mL/ampul	Yes	6 months	85 months	Ambient	25 °C nominal	ea.	31214

DRO/ORO Calibration Standard (2 components)

1:1 blend of: 10W30 Motor oil (64742-65-0) diesel fuel #2 (68334-30-5)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
25000 µg/mL each in methylene chloride, 1 mL/ampul	Yes	6 months	90 months	Ambient	10 °C or colder	ea.	31831

DRO/ORO Range Calibration Standard (12 components)

(C10) *n*-Decane (124-18-5)
(C12) *n*-Dodecane (112-40-3)
(C14) *n*-Tetradecane (629-59-4)
(C16) *n*-Hexadecane (544-76-3)
(C18) *n*-Octadecane (593-45-3)
(C20) *n*-Eicosane (112-95-8)
(C22) *n*-Docosane (629-97-0)
(C24) *n*-Tetracosane (646-31-1)
(C26) *n*-Hexacosane (630-01-3)
(C28) *n*-Octacosane (630-02-4)
(C30) *n*-Triacontane (638-68-6)
(C32) *n*-Dotriacontane (544-85-4)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in methylene chloride, 1 mL/ampul	Yes	6 months	85 months	Ambient	25 °C nominal	ea.	31832

DW-VOC Kit #2 (2000 µg/mL)

Contains 1 mL each of these mixtures.

30211: 501 Trihalomethane Mix
Bromodichloromethane (75-27-4)
Bromoform (75-25-2)
Chloroform (67-66-3)
Dibromochloromethane (124-48-1)

30219: DW-VOC Mix #1
Benzene (71-43-2)
Carbon tetrachloride (56-23-5)
1,4-Dichlorobenzene (106-46-7)
1,2-Dichloroethane (107-06-2)
1,1-Dichloroethene (75-35-4)
1,1,1-Trichloroethane (71-55-6)
Trichloroethene (79-01-6)
Vinyl chloride (75-01-4)

30220: DW-VOC Mix #2
Chlorobenzene (108-90-7)
1,2-Dichlorobenzene (95-50-1)
cis-1,2-Dichloroethene (156-59-2)
trans-1,2-Dichloroethene (156-60-5)
1,2-Dichloropropane (78-87-5)
Ethylbenzene (100-41-4)
Styrene (100-42-5)
Tetrachloroethene (127-18-4)
Toluene (108-88-3)
m-Xylene (108-38-3)
o-Xylene (95-47-6)
p-Xylene (106-42-3)

30235: DW-VOC Mix #3
Methylene chloride (dichloromethane) (75-09-2)
1,2,4-Trichlorobenzene (120-82-1)
1,1,2-Trichloroethane (79-00-5)

Description	CRM?	Min Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
DW-VOC Kit #2	Yes	6 months	Ambient	0 °C or colder	kit	30221

DW-VOC Mix #1 (8 components)

Benzene (71-43-2)
Carbon tetrachloride (56-23-5)
1,4-Dichlorobenzene (106-46-7)
1,2-Dichloroethane (107-06-2)
1,1-Dichloroethene (75-35-4)
1,1,1-Trichloroethane (71-55-6)
Trichloroethene (79-01-6)
Vinyl chloride (75-01-4)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	60 months	Ambient	0 °C or colder	ea.	30219

DW-VOC Mix #2 (12 components)

Chlorobenzene (108-90-7)
1,2-Dichlorobenzene (95-50-1)
cis-1,2-Dichloroethene (156-59-2)
trans-1,2-Dichloroethene (156-60-5)
1,2-Dichloropropane (78-87-5)
Ethylbenzene (100-41-4)
Styrene (100-42-5)
Tetrachloroethene (127-18-4)
Toluene (108-88-3)
m-Xylene (108-38-3)
o-Xylene (95-47-6)
p-Xylene (106-42-3)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
DW-VOC Mix #2							
200 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	85 months	Ambient	0 °C or colder	ea.	30038
DW-VOC Mix #2A							
2000 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	85 months	Ambient	0 °C or colder	ea.	30220

DW-VOC Mix #3 (3 components)

Methylene chloride (dichloromethane) (75-09-2) 1,2,4-Trichlorobenzene (120-82-1) 1,1,2-Trichloroethane (79-00-5)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	72 months	Ambient	0 °C or colder	ea.	30235

E1387 Column Resolution Check Mix (13 components)

(C6) *n*-Hexane (110-54-3)
(C8) *n*-Octane (111-65-9)
(C10) *n*-Decane (124-18-5)
(C12) *n*-Dodecane (112-40-3)
(C14) *n*-Tetradecane (629-59-4)
(C16) *n*-Hexadecane (544-76-3)
(C18) *n*-Octadecane (593-45-3)
(C20) *n*-Eicosane (112-95-8)
2-Ethyltoluene (611-14-3)
3-Ethyltoluene (620-14-4)
Toluene (108-88-3)
1,2,4-Trimethylbenzene (95-63-6)
p-Xylene (106-42-3)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in methylene chloride, 1 mL/ampul	Yes	6 months	85 months	Ambient	10 °C or colder	ea.	*31224*

E1618 Test Mix (13 components)

(C6) *n*-Hexane (110-54-3)
(C8) *n*-Octane (111-65-9)
(C10) *n*-Decane (124-18-5)
(C12) *n*-Dodecane (112-40-3)
(C14) *n*-Tetradecane (629-59-4)
(C16) *n*-Hexadecane (544-76-3)
(C18) *n*-Octadecane (593-45-3)
(C20) *n*-Eicosane (112-95-8)
2-Ethyltoluene (611-14-3)
3-Ethyltoluene (620-14-4)
Toluene (108-88-3)
1,2,4-Trimethylbenzene (95-63-6)
p-Xylene (106-42-3)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
0.05% volume/volume each in methylene chloride, 1 mL/ampul	Yes	6 months	91 months	Ambient	10 °C or colder	No	ea.	*31613*

EFSA PAH4 Standard (4 components)

Benz[a]anthracene (56-55-3)
Benzo[a]pyrene (50-32-8)
Benzo[b]fluoranthene (205-99-2)
Chrysene (218-01-9)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
1000 µg/mL each in toluene, 1 mL/ampul	Yes	6 months	60 months	Ambient	10 °C or colder	ea.	*32469*

EP 2.4.22 Composition of Fatty Acids by GC Mix 1 (6 components)

Compound, % by Weight
(C20:0) Methyl arachidate, 40%
(C12:0) Methyl dodecanoate, 5%
(C14:0) Methyl myristate, 5%
(C18:1 [*cis*9]) Methyl oleate, 20%
(C16:0) Methyl palmitate, 10%
(C18:0) Methyl stearate, 20%

Conc. in Solvent	CRM?	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
100 mg total	No	Ambient	0 °C or colder	No	ea.	*35100*

EP 2.4.22 Composition of Fatty Acids by GC Mix 2 (5 components)

Compound, % by Weight
(C6:0) Methyl caproate, 10%
(C8:0) Methyl caprylate, 10%
(C10:0) Methyl decanoate, 20%
(C12:0) Methyl dodecanoate, 20%
(C14:0) Methyl myristate, 40%

Conc. in Solvent	CRM?	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
100 mg total	No	Ambient	0 °C or colder	No	ea.	*35101*

EPA 524.3 Reference Standards (5 separate mixes, including a MegaMix standard)

Each ampul sold separately.

Cat.# 30013: 524.3 VOA MegaMix (69 components)
Allyl chloride (3-chloropropene) (107-05-1)
tert-Amyl ethyl ether (TAEE) (919-94-8)
tert-Amyl methyl ether (TAME) (994-05-8)
Benzene (71-43-2)
Bromobenzene (108-86-1)
Bromochloromethane (74-97-5)
Bromodichloromethane (75-27-4)
Bromoform (75-25-2)
tert-Butanol (TBA) (75-65-0)
n-Butylbenzene (104-51-8)
sec-Butylbenzene (135-98-8)
tert-Butylbenzene (98-06-6)
Carbon disulfide (75-15-0)
Carbon tetrachloride (56-23-5)
Chlorobenzene (108-90-7)
Chloroform (67-66-3)
1-Chlorobutane (butyl chloride) (109-69-3)
2-Chlorotoluene (95-49-8)
4-Chlorotoluene (106-43-4)
Dibromochloromethane (124-48-1)
1,2-Dibromo-3-chloropropane (96-12-8)
Dibromomethane (74-95-3)
1,2-Dibromoethane (EDB) (106-93-4)
1,2-Dichlorobenzene (95-50-1)
1,3-Dichlorobenzene (541-73-1)
1,4-Dichlorobenzene (106-46-7)
1,1-Dichloroethane (75-34-3)
1,2-Dichloroethane (107-06-2)
1,1-Dichloroethene (75-35-4)
cis-1,2-Dichloroethene (156-59-2)
trans-1,2-Dichloroethene (156-60-5)
1,2-Dichloropropane (78-87-5)
1,3-Dichloropropane (142-28-9)
1,1-Dichloropropene (563-58-6)
cis-1,3-Dichloropropene (10061-01-5)
trans-1,3-Dichloropropene (10061-02-6)
Diethyl ether (ethyl ether) (60-29-7)
Diisopropyl ether (DIPE) (108-20-3)
Ethylbenzene (100-41-4)
Ethyl-*tert*-butyl ether (ETBE) (637-92-3)
Ethyl methacrylate (97-63-2)
Hexachlorobutadiene (87-68-3)
Hexachloroethane (67-72-1)
Iodomethane (methyl iodide) (74-88-4)
Isopropylbenzene (cumene) (98-82-8)
4-Isopropyltoluene (*p*-cymene) (99-87-6)
Methyl acetate (79-20-9)
Methyl-*tert*-butyl ether (MTBE) (1634-04-4)
Methylene chloride (dichloromethane) (75-09-2)
Naphthalene (91-20-3)
Pentachloroethane (76-01-7)
n-Propylbenzene (103-65-1)
Styrene (100-42-5)
Tetrachloroethene (127-18-4)
1,1,1,2-Tetrachloroethane (630-20-6)
1,1,2,2-Tetrachloroethane (79-34-5)
Tetrahydrofuran (109-99-9)
Toluene (108-88-3)
1,2,3-Trichlorobenzene (87-61-6)
1,2,4-Trichlorobenzene (120-82-1)
1,1,1-Trichloroethane (71-55-6)
1,1,2-Trichloroethane (79-00-5)
Trichloroethene (79-01-6)
1,2,3-Trichloropropane (96-18-4)
1,2,4-Trimethylbenzene (95-63-6)
1,3,5-Trimethylbenzene (108-67-8)
m-Xylene (108-38-3)
o-Xylene (95-47-6)
p-Xylene (106-42-3)

Cat.# 30014: 524.3 Gas Calibration Mix (7 components)
Bromomethane (methyl bromide) (74-83-9)
1,3-Butadiene (106-99-0)
Chlorodifluoromethane (CFC-22) (75-45-6)
Chloromethane (methyl chloride) (74-87-3)
Dichlorodifluoromethane (CFC-12) (75-71-8)
Trichlorofluoromethane (CFC-11) (75-69-4)
Vinyl chloride (75-01-4)

Cat.# 30015: 524.3 Internal Standard Mix (3 components)
Chlorobenzene-d5 (3114-55-4)
1,4-Dichlorobenzene-d4 (3855-82-1)
1,4-Difluorobenzene (540-36-3)

Cat.# 30016: 524.3 Surrogate Standard (3 components)
1-Bromo-4-fluorobenzene (BFB) (460-00-4)
Methyl-d3-*tert*-butyl ether (29366-08-3)
1,2-Dichlorobenzene-d4 (2199-69-1)

Cat.# 30017: 524.3 Internal Standard/Surrogate Mix (6 components)
1-Bromo-4-fluorobenzene (BFB) (460-00-4)
Methyl-d3-*tert*-butyl ether (29366-08-3)
Chlorobenzene-d5 (3114-55-4)
1,2-Dichlorobenzene-d4 (2199-69-1)
1,4-Dichlorobenzene-d4 (3855-82-1)
1,4-Difluorobenzene (540-36-3)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
524.3 Gas Calibration Mix							
2000 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	36 months	Ambient	0 °C or colder	ea.	*30014*
524.3 Internal Standard Mix							
2000 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	60 months	Ambient	0 °C or colder	ea.	*30015*
524.3 Internal Standard/Surrogate Mix							
2000 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	60 months	Ambient	0 °C or colder	ea.	*30017*
524.3 Surrogate Standard							
2000 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	60 months	Ambient	0 °C or colder	ea.	*30016*
524.3 VOA MegaMix							
2000 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	36 months	Ambient	0 °C or colder	ea.	*30013*

EPA 539 Calibration Stock Standard (7 components)

4-Androstene-3,17-dione (63-05-8), 100 µg/mL
Equilin (474-86-2), 200 µg/mL
17-β-Estradiol (50-28-2), 250 µg/mL
Estriol (50-27-1), 200 µg/mL
Estrone (53-16-7), 200 µg/mL
17-α-Ethynylestradiol (57-63-6), 350 µg/mL
Testosterone (58-22-0), 100 µg/mL

Conc. in Solvent	CRM?	DEA Status	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In acetonitrile, 1 mL/ampul	Yes	Exempt	6 months	27 months	Ambient	10 °C or colder	ea.	*31998*

EPA Method 525.3 OCP Cal Standard (29 components)

Acetochlor (34256-82-1)
Aldrin (309-00-2)
cis-Chlordane (5103-71-9)
trans-Chlordane (5103-74-2)
Chlorobenzilate (510-15-6)
Chloroneb (2675-77-6)
Chlorothalonil (1897-45-6)
Dacthal (DCPA) (1861-32-1)
4,4'-DDD (72-54-8)
4,4'-DDE (72-55-9)
4,4'-DDT (50-29-3)
Dieldrin (60-57-1)
Endosulfan I (959-98-8)
Endosulfan II (33213-65-9)
Endosulfan sulfate (1031-07-8)
Endrin (72-20-8)
α-HCH (319-84-6)
β-HCH (319-85-7)
δ-HCH (319-86-8)
γ-HCH (Lindane) (58-89-9)
Heptachlor (76-44-8)
Heptachlor epoxide (1024-57-3)
Hexachlorobenzene (118-74-1)
Hexachlorocyclopentadiene (HCCPD) (77-47-4)
Methoxychlor (72-43-5)
trans-Nonachlor (39765-80-5)
Pentachlorophenol (87-86-5)
cis-Permethrin (61949-76-6)
trans-Permethrin (61949-77-7)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
500 µg/mL each in acetone, 1 mL/ampul	Yes	6 months	36 months	Ambient	10 °C or colder	ea.	*32542*

EPA Method 525.3 ONP Cal Standard (44 components)

Alachlor (15972-60-8)
Ametryn (834-12-8)
Atraton (1610-17-9)
Atrazine (1912-24-9)
Bromacil (314-40-9)
Butachlor (23184-66-9)
Butylate (2008-41-5)
Butylated hydroxytoluene (BHT) (128-37-0)
Chlorpropham (101-21-3)
Cyanazine (21725-46-2)
Cycloate (1134-23-2)
N,N-Diethyl-meta-toluamide (DEET) (134-62-3)
2,4-Dinitrotoluene (121-14-2)
2,6-Dinitrotoluene (606-20-2)
Diphenamid (957-51-7)
S-Ethyl dipropylthiocarbamate (EPTC) (759-94-4)
Etridiazole (2593-15-9)
Fenarimol (60168-88-9)
Fluridone (59756-60-4)
Hexazinone (51235-04-2)
Metolachlor (51218-45-2)
Metribuzin (21087-64-9)
MGK 264 (113-48-4)
Molinate (2212-67-1)
Napropamide (15299-99-7)
Nitrofen (1836-75-5)
Norflurazon (27314-13-2)
Oxyfluorfen (42874-03-3)
Pebulate (1114-71-2)
Prometon (1610-18-0)
Prometryn (7287-19-6)
Pronamide (propyzamide) (23950-58-5)
Propachlor (1918-16-7)
Propazine (139-40-2)
Simetryn (1014-70-6)
Simazine (122-34-9)
Tebuconazole (107534-96-3)
Tebuthiuron (34014-18-1)
Terbacil (5902-51-2)
Terbutryn (886-50-0)
Triadimefon (43121-43-3)
Trifluralin (1582-09-8)
Vernolate (1929-77-7)
Vinclozolin (50471-44-8)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
500 µg/mL each in acetone, 1 mL/ampul	Yes	6 months	24 months	Ambient	10 °C or colder	ea.	32544

EPA Method 525.3 OPP Cal Standard (16 components)

Chlorfenvinphos (470-90-6)
Chlorpyrifos (2921-88-2)
Dichlorvos (62-73-7)
Diisopropyl methylphosphonate (DIMP) (1445-75-6)
Dimethipin (55290-64-7)
Disulfoton (298-04-4)
Ethion (563-12-2)
Ethoprop (13194-48-4)
Methyl parathion (298-00-0)
Mevinphos (7786-34-7)
Parathion (Ethyl parathion) (56-38-2)
Phorate (298-02-2)
Phosphamidon (13171-21-6)
Profenofos (41198-08-7)
Tetrachlorvinphos (22248-79-9)
Tribufos (78-48-8)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
500 µg/mL each in acetone, 1 mL/ampul	Yes	3 months	12 months	Ambient	10 °C or colder	ea.	32543

EPA Method 525.3 PAH Cal Standard (20 components)

Acenaphthylene (208-96-8)
Anthracene (120-12-7)
Benz[a]anthracene (56-55-3)
Benzo[a]pyrene (50-32-8)
Benzo[b]fluoranthene (205-99-2)
Benzo[g,h,i]perylene (191-24-2)
Benzo[k]fluoranthene (207-08-9)
Bis(2-ethylhexyl)adipate (103-23-1)
Bis(2-ethylhexyl)phthalate (117-81-7)
Butylbenzylphthalate (85-68-7)
Chrysene (218-01-9)
Dibenz[a,h]anthracene (53-70-3)
Dibutyl-*n*-phthalate (84-74-2)
Diethylphthalate (84-66-2)
Dimethylphthalate (131-11-3)
Fluorene (86-73-7)
Indeno[1,2,3-cd]pyrene (193-39-5)
Isophorone (78-59-1)
Phenanthrene (85-01-8)
Pyrene (129-00-0)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
500 µg/mL each in acetone, 1 mL/ampul	Yes	6 months	60 months	Ambient	10 °C or colder	ea.	32545

EPA Method 525.3 PAH IS Mix (3 components)

Acenaphthene-d10 (15067-26-2)
Chrysene-d12 (1719-03-5)
Phenanthrene-d10 (1517-22-2)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
500 µg/mL each in acetone, 1 mL/ampul	Yes	6 months	36 months	Ambient	10 °C or colder	ea.	32547

EPA Method 525.3 PCB Cal Standard (14 components)

2-Chlorobiphenyl (PCB 1) (2051-60-7)
4-Chlorobiphenyl (PCB 3) (2051-62-9)
2,4'-Dichlorobiphenyl (PCB 8) (34883-43-7)
2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB 180) (35065-29-3)
2,2',3,4,4',5,5'-Hexachlorobiphenyl (PCB 138) (35065-28-2)
2,2',3,4',5',6-Hexachlorobiphenyl (PCB 149) (38380-04-0)
2,2',4,4',5,5'-Hexachlorobiphenyl (PCB 153) (35065-27-1)
2,3,3',4',6-Pentachlorobiphenyl (PCB 110) (38380-03-9)
2,3',4,4',5-Pentachlorobiphenyl (PCB 118) (31508-00-6)
2,2',3,5'-Tetrachlorobiphenyl (PCB 44) (41464-39-5)
2,2',5,5'-Tetrachlorobiphenyl (PCB 52) (35693-99-3)
2,3',4',5-Tetrachlorobiphenyl (PCB 70) (32598-11-1)
2,2',5-Trichlorobiphenyl (PCB 18) (37680-65-2)
2,4,4'-Trichlorobiphenyl (PCB 28) (7012-37-5)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
500 µg/mL each in acetone, 1 mL/ampul	Yes	6 months	60 months	Ambient	10 °C or colder	ea.	32546

EPA Method 525.3 Surrogate Standard (3 components)

Benzo[a]pyrene-d12 (63466-71-7)
1,3-Dimethyl-2-nitrobenzene (81-20-9)
Triphenylphosphate (115-86-6)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
500 µg/mL each in acetone, 1 mL/ampul	Yes	6 months	24 months	Ambient	10 °C or colder	ea.	32549

EPA Method 8061A Phthalate Esters Mixture (15 components)

Benzyl butyl phthalate (85-68-7)
Bis(2-*n*-butoxyethyl)phthalate (117-83-9)
Bis(2-ethoxyethyl)phthalate (605-54-9)
Bis(2-ethylhexyl)phthalate (117-81-7)
Bis(2-methoxyethyl)phthalate (117-82-8)
Bis(4-methyl-2-pentyl)phthalate (84-63-9)
Di-*n*-butylphthalate (84-74-2)
Diethylphthalate (84-66-2)
Di-*n*-hexyl phthalate (84-75-3)
Dimethylphthalate (131-11-3)
Di-nonyl phthalate (84-76-4)
Di-*n*-octyl phthalate (117-84-0)
Dipentylphthalate (131-18-0)
Phthalic acid dicyclohexyl ester (84-61-7)
Phthalic acid diisobutyl ester (84-69-5)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
1000 µg/mL each in hexane:acetone (80:20), 1 mL/ampul	Yes	6 months	52 months	Ambient	10 °C or colder	ea.	33227

EPA Method 8310 PAH Mixture (18 components)

Acenaphthene (83-32-9)
Acenaphthylene (208-96-8)
Anthracene (120-12-7)
Benz[a]anthracene (56-55-3)
Benzo[a]pyrene (50-32-8)
Benzo[b]fluoranthene (205-99-2)
Benzo[g,h,i]perylene (191-24-2)
Benzo[k]fluoranthene (207-08-9)
Chrysene (218-01-9)
Dibenz[a,h]anthracene (53-70-3)
Fluoranthene (206-44-0)
Fluorene (86-73-7)
Indeno[1,2,3-cd]pyrene (193-39-5)
1-Methylnaphthalene (90-12-0)
2-Methylnaphthalene (91-57-6)
Naphthalene (91-20-3)
Phenanthrene (85-01-8)
Pyrene (129-00-0)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
500 µg/mL each in acetonitrile:toluene (92:8), 1 mL/ampul	Yes	6 months	60 months	Ambient	25 °C nominal	ea.	31874

EPA Method 8310 Quality Control Check (18 components)

Acenaphthene (83-32-9), 100 µg/mL
Acenaphthylene (208-96-8), 100 µg/mL
Anthracene (120-12-7), 100 µg/mL
Benz[a]anthracene (56-55-3), 10 µg/mL
Benzo[a]pyrene (50-32-8), 10 µg/mL
Benzo[b]fluoranthene (205-99-2), 10 µg/mL
Benzo[g,h,i]perylene (191-24-2), 10 µg/mL
Benzo[k]fluoranthene (207-08-9), 5 µg/mL
Chrysene (218-01-9), 10 µg/mL
Dibenz[a,h]anthracene (53-70-3), 10 µg/mL
Fluoranthene (206-44-0), 10 µg/mL
Fluorene (86-73-7), 100 µg/mL
Indeno[1,2,3-cd]pyrene (193-39-5), 10 µg/mL
1-Methylnaphthalene (90-12-0), 100 µg/mL
2-Methylnaphthalene (91-57-6), 100 µg/mL
Naphthalene (91-20-3), 100 µg/mL
Phenanthrene (85-01-8), 100 µg/mL
Pyrene (129-00-0), 10 µg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In acetonitrile, 1 mL/ampul	Yes	6 months	71 months	Ambient	10 °C or colder	ea.	31843

Ethylene Oxide/1,4-Dioxane Standard (2 components)

1,4-Dioxane (123-91-1)
Ethylene oxide (75-21-8)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
0.001% w/w each in PEG-400, 5 mL/ampul	Yes	6 months	18 months	Ambient	10 °C or colder	ea.	30546

*This Reference Standard is to be used for identification and quantitation of Ethylene Oxide and 1,4-Dioxane—non-interfering, low-level PEG impurities may be present.

Ethylene Oxide/Acetaldehyde Standard (2 components)

Acetaldehyde (75-07-0)
Ethylene oxide (75-21-8)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
0.001% w/w each in PEG-400, 5 mL/ampul	Yes	6 months	18 months	Ambient	10 °C or colder	ea.	30547

*This Reference Standard is to be used for identification and quantitation of Ethylene Oxide and Acetaldehyde—non-interfering, low-level PEG impurities may be present.

EU 15+1 PAH Standard (16 components)

Benz[a]anthracene (56-55-3)
Benzo[a]pyrene (50-32-8)
Benzo[b]fluoranthene (205-99-2)
Benzo[c]fluorene (3,4-Benzofluorene) (205-12-9)
Benzo[g,h,i]perylene (191-24-2)
Benzo[j]fluoranthene (205-82-3)
Benzo[k]fluoranthene (207-08-9)
Chrysene (218-01-9)
Cyclopenta[c,d]pyrene (27208-37-3)
Dibenzo[a,e]pyrene (192-65-4)
Dibenz[a,h]anthracene (53-70-3)
Dibenzo[a,h]pyrene (189-64-0)
Dibenzo[a,i]pyrene (189-55-9)
Dibenzo[a,l]pyrene (191-30-0)
Indeno[1,2,3-cd]pyrene (193-39-5)
5-Methylchrysene (3697-24-3)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
100 µg/mL each in toluene, 1 mL/ampul	Yes	6 months	60 months	Ambient	10 °C or colder	ea.	32470

European Pharmacopoeia/ICH Class 1 Mix (5 components)

Benzene (71-43-2), 2 µg/mL
Carbon tetrachloride (56-23-5), 4 µg/mL
1,2-Dichloroethane (107-06-2), 5 µg/mL
1,1-Dichloroethene (75-35-4), 8 µg/mL
1,1,1-Trichloroethane (71-55-6), 1500 µg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
Prepared in water:dimethyl sulfoxide (80:20), 1 mL/ampul	Yes	6 months	60 months	Ambient	10 °C or colder	ea.	36228

Restek reference standards are formulated to correspond to the permissable daily exposure.

European Pharmacopoeia/ICH Class 1 Mix (revised) (5 components)

Benzene (71-43-2), 2 µg/mL
Carbon tetrachloride (56-23-5), 4 µg/mL
1,2-Dichloroethane (107-06-2), 5 µg/mL
1,1-Dichloroethene (75-35-4), 8 µg/mL
1,1,1-Trichloroethane (71-55-6), 10 µg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In water:dimethyl sulfoxide (80:20), 1 mL/ampul	Yes	6 months	60 months	Ambient	10 °C or colder	ea.	36261

European Pharmacopoeia/ICH Class 2 Mix A (13 components)

Chlorobenzene (108-90-7), 360 µg/mL
Cyclohexane (110-82-7), 3880 µg/mL
cis-1,2-Dichloroethene (156-59-2), 1870 µg/mL
N,N-Dimethylformamide (68-12-2), 880 µg/mL
Ethylbenzene (100-41-4), 369 µg/mL
(C6) *n*-Hexane (110-54-3), 290 µg/mL
Methylcyclohexane (108-87-2), 1180 µg/mL
Methylene chloride (dichloromethane) (75-09-2), 600 µg/mL
Toluene (108-88-3), 890 µg/mL
1,1,2-Trichloroethene (79-01-6), 80 µg/mL
m-Xylene (108-38-3), 1302 µg/mL
o-Xylene (95-47-6), 195 µg/mL
p-Xylene (106-42-3), 304 µg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
Prepared in dimethyl sulfoxide, 1 mL/ampul	Yes	6 months	36 months	Ambient	10 °C or colder	ea.	36229

European Pharmacopoeia/ICH Class 2 Mix B, Revised (10 components)

Acetonitrile (75-05-8), 410 µg/mL
Chloroform (67-66-3), 60 µg/mL
1,2-Dimethoxyethane (110-71-4), 100 µg/mL
N,N-Dimethylacetamide (127-19-5), 1090 µg/mL
1,4-Dioxane (123-91-1), 380 µg/mL
2-Hexanone (591-78-6), 50 µg/mL
Methanol (67-56-1), 3000 µg/mL
Nitromethane (75-52-5), 50 µg/mL
Pyridine (110-86-1), 200 µg/mL
Tetralin (119-64-2), 100 µg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
Prepared in water:dimethyl sulfoxide (80:20), 1 mL/ampul	Yes	6 months	36 months	Ambient	10 °C or colder	ea.	36270

European Pharmacopoeia/ICH Class 2 Mix C (6 components)

2-Ethoxyethanol (110-80-5), 160 µg/mL
Ethylene glycol (107-21-1), 620 µg/mL
Formamide (75-12-7), 220 µg/mL
2-Methoxyethanol (Methyl Cellosolve) (109-86-4), 50 µg/mL
N-Methylpyrrolidone (872-50-4), 4840 µg/mL
Sulfolane (126-33-0), 160 µg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
Prepared in water, 1 mL/ampul	Yes	6 months	36 months	Ambient	10 °C or colder	ea.	36231

European Pharmacopoeia/ICH Q3C(M) Class 2 Mix A, Revised (14 components)

(C6) *n*-Hexane (110-54-3), 290 µg/mL
Chlorobenzene (108-90-7), 360 µg/mL
Cyclohexane (110-82-7), 3880 µg/mL
cis-1,2-Dichloroethene (156-59-2), 1870 µg/mL
N,N-Dimethylformamide (68-12-2), 880 µg/mL
Ethylbenzene (100-41-4), 369 µg/mL
Methylcyclohexane (108-87-2), 1180 µg/mL
Methylene chloride (dichloromethane) (75-09-2), 600 µg/mL
Tetrahydrofuran (109-99-9), 720 µg/mL
Toluene (108-88-3), 890 µg/mL
Trichloroethene (79-01-6), 80 µg/mL
m-Xylene (108-38-3), 1302 µg/mL
o-Xylene (95-47-6), 195 µg/mL
p-Xylene (106-42-3), 304 µg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In dimethyl sulfoxide, 1 mL/ampul	Yes	6 months	36 months	Ambient	10 °C or colder	ea.	36274

Extraction Retention Time Standard (4 components)

(C6) *n*-Hexane (110-54-3)
(C10) *n*-Decane (124-18-5)
(C22) *n*-Docosane (629-97-0)
(C32) *n*-Dotriacontane (544-85-4)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in methylene chloride, 1 mL/ampul	Yes	6 months	84 months	Ambient	25 °C nominal	ea.	31830

Extraction Solvent Stock Solution #1 (2 components)

(C10) *n*-Decane (124-18-5), 20 µL/L
(C40) *n*-Tetracontane (4181-95-7), 20 mg/L

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In hexane, 5 mL/ampul	Yes	6 months	85 months	Ambient	25 °C nominal	ea.	31679

Extraction Solvent Stock Solution #2 (2 components)

(C10) *n*-Decane (124-18-5), 20 µL/L
(C40) *n*-Tetracontane (4181-95-7), 20 mg/L

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In hexane, 20 mL/ampul	Yes	6 months	36 months	Ambient	25 °C nominal	ea.	31680

FAME #1 Mix (5 components)

Chain, Compound (CAS#), % by Weight
C16:00 Methyl palmitate (112-39-0), 20%
C18:00 Methyl stearate (112-61-8), 20%
C18:01 Methyl oleate (112-62-9), 20%
C18:02 Methyl linoleate (112-63-0), 20%
C18:03 Methyl linolenate (301-00-8), 20%

Conc. in Solvent	CRM?	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
Composition of each mixture listed as a weight/weight % basis (minimum 50 mg/ampul).	No	Ambient	0 °C or colder	No	ea.	35010

FAME #12 Mix (5 components)

Chain, Compound (CAS#), % by Weight
C13:00 Methyl tridecanoate (1731-88-0), 20%
C15:00 Methyl pentadecanoate (7132-64-1), 20%
C17:00 Methyl heptadecanoate (1731-92-6), 20%
C19:00 Methyl nonadecanoate (1731-94-8), 20%
C21:00 Methyl heneicosanoate (6064-90-0), 20%

Conc. in Solvent	CRM?	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
Composition of each mixture listed as a weight/weight % basis (minimum 50 mg/ampul).	No	Ambient	0 °C or colder	No	ea.	35021

FAME #13 Mix (14 components)

Chain, Compound (CAS#), % by Weight
C16:00 Methyl palmitate (112-39-0), 3%
C16:01 Methyl palmitoleate (1120-25-8), 1%
C18:00 Methyl stearate (112-61-8), 2%
C18:01 Methyl oleate (112-62-9), 20%
C18:02 Methyl linoleate (112-63-0), 15%
C18:03 Methyl linolenate (301-00-8), 10%
C20:00 Methyl arachidate (1120-28-1), 1%
C20:01 Methyl eicosenoate (2390-09-2), 10%
C20:02 Methyl eicosadienoate (2463-02-7), 2%
C22:00 Methyl behenate (929-77-1), 1%
C22:01 Methyl erucate (1120-34-9), 30%
C22:02 Methyl docosadienoate (61012-47-3), 2%
C24:00:00 Methyl lignocerate (2442-49-1), 1%
C24:01:00 Methyl nervonate (2733-88-2), 2%

Description	Conc. in Solvent	CRM?	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
FAME #13	Composition of each compound listed as a weight/weight % basis (minimum 50 mg/ampul).	No	Ambient	0 °C or colder	No	ea.	35034

FAME #14 Mix (11 components)

Chain, Compound (CAS#), % by Weight
C14:00 Methyl myristate (124-10-7), 0.1%
C16:00 Methyl palmitate (112-39-0), 26.3%
C16:01 Methyl palmitoleate (1120-25-8), 0.4%
C17:00 Methyl heptadecanoate (1731-92-6), 0.3%
C18:00 Methyl stearate (112-61-8), 33.7%
C18:01 Methyl oleate (112-62-9), 34.3%
C18:02 Methyl linoleate (112-63-0), 3.1%
C18:03 Methyl linolenate (301-00-8), 0.2%
C20:00 Methyl arachidate (1120-28-1), 1.3%
C20:01 Methyl eicosenoate (20839-34-3), 0.1%
C22:00 Methyl behenate (929-77-1), 0.2%

Description	Conc. in Solvent	CRM?	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
FAME #14	Composition of each compound listed as a weight/weight % basis (minimum 50 mg/ampul).	No	Ambient	0 °C or colder	No	ea.	35035

FAME #15 Mix (8 components)

Chain, Compound (CAS#), % by Weight
C16:00 Methyl palmitate (112-39-0), 10%
C18:00 Methyl stearate (112-61-8), 3%
C18:01 Methyl oleate (112-62-9), 50%
C18:02 Methyl linoleate (112-63-0), 30%
C20:00 Methyl arachidate (1120-28-1), 1.5%
C20:01 Methyl eicosenoate (20839-34-3), 1.5%
C22:00 Methyl behenate (929-77-1), 3%
C24:00:00 Methyl lignocerate (2442-49-1), 1%

Description	Conc. in Solvent	CRM?	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
FAME #15	Composition of each compound listed as a weight/weight % basis (minimum 50 mg/ampul).	No	Ambient	0 °C or colder	No	ea.	35036

FAME #16 Mix (6 components)

Chain, Compound (CAS#), % by Weight
C16:00 Methyl palmitate (112-39-0), 6%
C18:00 Methyl stearate (112-61-8), 3%
C18:01 Methyl oleate (112-62-9), 35%
C18:02 Methyl linoleate (112-63-0), 50%
C18:03 Methyl linolenate (301-00-8), 3%
C20:00 Methyl arachidate (1120-28-1), 3%

Description	Conc. in Solvent	CRM?	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
FAME #16	Composition of each compound listed as a weight/weight % basis (minimum 50 mg/ampul).	No	Ambient	0 °C or colder	No	ea.	35022

FAME #17 Mix (5 components)

Chain, Compound (CAS#), % by Weight
C16:00 Methyl palmitate (112-39-0), 7%
C18:00 Methyl stearate (112-61-8), 5%
C18:01 Methyl oleate (112-62-9), 18%
C18:02 Methyl linoleate (112-63-0), 36%
C18:03 Methyl linolenate (301-00-8), 34%

Description	Conc. in Solvent	CRM?	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
FAME #17	Composition of each compound listed as a weight/weight % basis (minimum 50 mg/ampul).	No	Ambient	0 °C or colder	No	ea.	35023

FAME #18 Mix (10 components)

Chain, Compound (CAS#), % by Weight
C14:00 Methyl myristate (124-10-7), 1%
C16:00 Methyl palmitate (112-39-0), 4%
C18:00 Methyl stearate (112-61-8), 3%
C18:01 Methyl oleate (112-62-9), 45%
C18:02 Methyl linoleate (112-63-0), 15%
C18:03 Methyl linolenate (301-00-8), 3%
C20:00 Methyl arachidate (1120-28-1), 3%
C22:00 Methyl behenate (929-77-1), 3%
C22:01 Methyl erucate (1120-34-9), 20%
C24:00:00 Methyl lignocerate (2442-49-1), 3%

Description	Conc. in Solvent	CRM?	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
FAME #18	Composition of each compound listed as a weight/weight % basis (minimum 50 mg/ampul).	No	Ambient	0 °C or colder	No	ea.	35024

FAME #19 Mix (4 components)

Chain, Compound (CAS#), % by Weight
C16:00 Methyl palmitate (112-39-0), 11%
C18:00 Methyl stearate (112-61-8), 3%
C18:01 Methyl oleate (112-62-9), 80%
C18:02 Methyl linoleate (112-63-0), 6%

Description	Conc. in Solvent	CRM?	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
FAME #19	Composition of each compound listed as a weight/weight % basis (minimum 50 mg/ampul).	No	Ambient	0 °C or colder	No	ea.	35025

FAME #2 Mix (5 components)

Chain, Compound (CAS#), % by Weight
C6:00 Methyl caproate (106-70-7), 20%
C8:00 Methyl caprylate (111-11-5), 20%
C10:00 Methyl caprate (110-42-9), 20%
C12:00 Methyl laurate (111-82-0), 20%
C14:00 Methyl myristate (124-10-7), 20%

Conc. in Solvent	CRM?	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
Composition of each mixture listed as a weight/weight % basis (minimum 50 mg/ampul).	No	Ambient	0 °C or colder	No	ea.	35011

FAME #20 Mix (8 components)

Chain, Compound (CAS#), % by Weight
C8:00 Methyl caprylate (111-11-5), 7%
C10:00 Methyl caprate (110-42-9), 5%
C12:00 Methyl laurate (111-82-0), 48%
C14:00 Methyl myristate (124-10-7), 15%
C16:00 Methyl palmitate (112-39-0), 7%
C18:00 Methyl stearate (112-61-8), 3%
C18:01 Methyl oleate (112-62-9), 12%
C18:02 Methyl linoleate (112-63-0), 3%

Description	Conc. in Solvent	CRM?	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
FAME #20	Composition of each compound listed as a weight/weight % basis (minimum 50 mg/ampul).	No	Ambient	0 °C or colder	No	ea.	35026

FAME #21 Mix (7 components)

Chain, Compound (CAS#), % by Weight
C14:00 Methyl myristate (124-10-7), 2%
C16:00 Methyl palmitate (112-39-0), 30%
C16:01 Methyl palmitoleate (1120-25-8), 3%
C18:00 Methyl stearate (112-61-8), 14%
C18:01 Methyl oleate (112-62-9), 41%
C18:02 Methyl linoleate (112-63-0), 7%
C18:03 Methyl linolenate (301-00-8), 3%

Description	Conc. in Solvent	CRM?	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
FAME #21	Composition of each compound listed as a weight/weight % basis (minimum 50 mg/ampul).	No	Ambient	0 °C or colder	No	ea.	35027

FAME #3 Mix (5 components)

Chain, Compound (CAS#), % by Weight
C8:00 Methyl caprylate (111-11-5), 20%
C10:00 Methyl caprate (110-42-9), 20%
C12:00 Methyl laurate (111-82-0), 20%
C14:00 Methyl myristate (124-10-7), 20%
C16:00 Methyl palmitate (112-39-0), 20%

Conc. in Solvent	CRM?	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
Composition of each mixture listed as a weight/weight % basis (minimum 50 mg/ampul).	No	Ambient	0 °C or colder	No	ea.	35012

FAME #4 Mix (5 components)

Chain, Compound (CAS#), % by Weight
C16:00 Methyl palmitate (112-39-0), 20%
C18:00 Methyl stearate (112-61-8), 20%
C20:00 Methyl arachidate (1120-28-1), 20%
C22:00 Methyl behenate (929-77-1), 20%
C24:00:00 Methyl lignocerate (2442-49-1), 20%

Conc. in Solvent	CRM?	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
Composition of each mixture listed as a weight/weight % basis (minimum 50 mg/ampul).	No	Ambient	0 °C or colder	No	ea.	35013

FAME #5 Mix (5 components)

Chain, Compound (CAS#), % by Weight
C16:01 Methyl palmitoleate (1120-25-8), 20%
C18:01 Methyl oleate (112-62-9), 20%
C20:01 Methyl eicosenoate (20839-34-3), 20%
C22:01 Methyl erucate (1120-34-9), 20%
C24:01:00 Methyl nervonate (2733-88-2), 20%

Conc. in Solvent	CRM?	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
Composition of each mixture listed as a weight/weight % basis (minimum 50 mg/ampul).	No	Ambient	0 °C or colder	No	ea.	35014

FAME #6 Mix (5 components)

Chain, Compound (CAS#), % by Weight
C20:00 Methyl arachidate (1120-28-1), 20%
C20:01 Methyl eicosenoate (20839-34-3), 20%
C20:02 Methyl eicosadienoate (2463-02-7), 20%
C20:03 Methyl eicosatrienoate (55682-88-7), 20%
C20:04 Methyl arachidonate (2566-89-4), 20%

Conc. in Solvent	CRM?	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
Composition of each mixture listed as a weight/weight % basis (minimum 50 mg/ampul).	No	Ambient	0 °C or colder	No	ea.	35015

FAME #7 Mix (5 components)

Chain, Compound (CAS#), % by Weight
C6:00 Methyl caproate (106-70-7), 20%
C7:00 Methyl heptanoate (106-73-0), 20%
C8:00 Methyl caprylate (111-11-5), 20%
C9:00 Methyl nonanoate (1731-84-6), 20%
C10:00 Methyl caprate (110-42-9), 20%

Conc. in Solvent	CRM?	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
Composition of each mixture listed as a weight/weight % basis (minimum 50 mg/ampul).	No	Ambient	0 °C or colder	No	ea.	35016

FAME #8 Mix (5 components)

Chain, Compound (CAS#), % by Weight
C11:00 Methyl undecanoate (1731-86-8), 20%
C12:00 Methyl laurate (111-82-0), 20%
C13:00 Methyl tridecanoate (1731-88-0), 20%
C14:00 Methyl myristate (124-10-7), 20%
C15:00 Methyl pentadecanoate (7132-64-1), 20%

Conc. in Solvent	CRM?	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
Composition of each mixture listed as a weight/weight % basis (minimum 50 mg/ampul).	No	Ambient	0 °C or colder	No	ea.	35017

FAME #9 Mix (5 components)

Chain, Compound (CAS#), % by Weight
C16:00 Methyl palmitate (112-39-0), 20%
C17:00 Methyl heptadecanoate (1731-92-6), 20%
C18:00 Methyl stearate (112-61-8), 20%
C19:00 Methyl nonadecanoate (1731-94-8), 20%
C20:00 Methyl arachidate (1120-28-1), 20%

Conc. in Solvent	CRM?	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
Composition of each mixture listed as a weight/weight % basis (minimum 50 mg/ampul).	No	Ambient	0 °C or colder	No	ea.	35018

FAPAS Series 5 OC Pesticide Mix 2 (19 components)

Aldrin (309-00-2), 10 µg/mL
α-BHC (319-84-6), 10 µg/mL
β-BHC (319-85-7), 10 µg/mL
γ-BHC (Lindane) (58-89-9), 10 µg/mL
cis-Chlordane (5103-71-9), 10 µg/mL
trans-Chlordane (5103-74-2), 10 µg/mL
4,4'-DDD (72-54-8), 20 µg/mL
4,4'-DDE (72-55-9), 20 µg/mL
2,4'-DDT (789-02-6), 20 µg/mL
4,4'-DDT (50-29-3), 20 µg/mL
Dieldrin (60-57-1), 20 µg/mL
Endosulfan I (959-98-8), 10 µg/mL
Endosulfan II (33213-65-9), 20 µg/mL
Endosulfan sulfate (1031-07-8), 20 µg/mL
Endrin (72-20-8), 20 µg/mL
Heptachlor (76-44-8), 10 µg/mL
Heptachlor epoxide (isomer B) (1024-57-3), 10 µg/mL
Hexachlorobenzene (118-74-1), 10 µg/mL
Oxychlordane (27304-13-8), 10 µg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In acetone, 1 mL/ampul	Yes	6 months	48 months	Ambient	10 °C or colder	ea.	32414

*Use of Restek calibration mixtures by laboratories participating in the FAPAS program is voluntary; no endorsement of any Restek product has been made by the Central Science Laboratory. To obtain further information regarding the FAPAS program, or to participate, contact Central Science Laboratory.

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FAPAS Series 9 OP Pesticide Mix 1 (10 components)

Chlorpyrifos (2921-88-2)
Chlorpyrifos methyl (5598-13-0)
Diazinon (333-41-5)
Dichlorvos (DDVP) (62-73-7)
Etrimfos (38260-54-7)
Fenitrothion (122-14-5)
Malathion (121-75-5)
Methacrifos (62610-77-9)
Phosphamidon (13171-21-6)
Pirimiphos methyl (29232-93-7)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
100 µg/mL each in acetone, 1 mL/ampul	Yes	3 months	12 months	Ambient	10 °C or colder	ea.	32413

*Use of Restek calibration mixtures by laboratories participating in the FAPAS program is voluntary; no endorsement of any Restek product has been made by the Central Science Laboratory. To obtain further information regarding the FAPAS program, or to participate, contact Central Science Laboratory.

FAPAS-registered trademark of Central Science Laboratory, Sand Hutton, York, Y041, UK.

FID Performance Evaluation Standard (3 components)

(C14) *n*-Tetradecane (629-59-4)
(C15) *n*-Pentadecane (629-62-9)
(C16) *n*-Hexadecane (544-76-3)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	Similar to Part #	cat.#
0.03% w/w each in hexane, 1 mL/ampul	Yes	6 months	85 months	Ambient	10 °C or colder	ea.	Agilent 18710-60170	33908

Florida TRPH Standard (17 components)

(C8) *n*-Octane (111-65-9)
(C10) *n*-Decane (124-18-5)
(C12) *n*-Dodecane (112-40-3)
(C14) *n*-Tetradecane (629-59-4)
(C16) *n*-Hexadecane (544-76-3)
(C18) *n*-Octadecane (593-45-3)
(C20) *n*-Eicosane (112-95-8)
(C22) *n*-Docosane (629-97-0)
(C24) *n*-Tetracosane (646-31-1)
(C26) *n*-Hexacosane (630-01-3)
(C28) *n*-Octacosane (630-02-4)
(C30) *n*-Triacontane (638-68-6)
(C32) *n*-Dotriacontane (544-85-4)
(C34) *n*-Tetratriacontane (14167-59-0)
(C36) *n*-Hexatriacontane (630-06-8)
(C38) *n*-Octatriacontane (7194-85-6)
(C40) *n*-Tetracontane (4181-95-7)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
500 µg/mL each in hexane, 1 mL/ampul	Yes	6 months	85 months	Ambient	25 °C nominal	ea.	31266

Florida TRPH Standard (HC) (17 components)

(C8) *n*-Octane (111-65-9)
(C10) *n*-Decane (124-18-5)
(C12) *n*-Dodecane (112-40-3)
(C14) *n*-Tetradecane (629-59-4)
(C16) *n*-Hexadecane (544-76-3)
(C18) *n*-Octadecane (593-45-3)
(C20) *n*-Eicosane (112-95-8)
(C22) *n*-Docosane (629-97-0)
(C24) *n*-Tetracosane (646-31-1)
(C26) *n*-Hexacosane (630-01-3)
(C28) *n*-Octacosane (630-02-4)
(C30) *n*-Triacontane (638-68-6)
(C32) *n*-Dotriacontane (544-85-4)
(C34) *n*-Tetratriacontane (14167-59-0)
(C36) *n*-Hexatriacontane (630-06-8)
(C38) *n*-Octatriacontane (7194-85-6)
(C40) *n*-Tetracontane (4181-95-7)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in carbon disulfide, 1 mL/ampul	Yes	6 months	85 months	Ambient	25 °C nominal	ea.	31878

Note: Reference standards containing greater than 99% carbon disulfide are classified as UN1131 carbon disulfide 3(6.1), I and are restricted from air transportation. Additional restrictions may apply to lower concentration materials depending on formulations.

Florisil Cartridge Quality Control Standard Mixture (2 components)

Diesel #2 (additive-free) (68334-30-5)
Mineral oil (additive-free [i.e., USP grade] bp 325–460 or C18–C32 retention time range) (8042-47-5)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
1000 µg/mL each in cyclohexane, 10 mL/ampul (enough to check one Florisil cartridge) Total hydrocarbon concentration 2000 µg/mL	Yes	6 months	85 months	Ambient	10 °C or colder	ea.	31632

Florisil Cartridge Quality Control Standard Mixture, Rev. 2 (2 components)

Diesel fuel #2 composite (68334-30-5)
Mineral oil (8042-47-5)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
1000 µg/mL each in hexane, 10 mL/ampul	Yes	6 months	85 months	Ambient	25 °C nominal	ea.	31677

Food Industry FAME Mix (37 components)

Chain, Compound (CAS#), % by Weight
C4:0 Methyl butyrate (623-42-7), 4%
C6:0 Methyl caproate (106-70-7), 4%
C8:0 Methyl caprylate (111-11-5), 4%
C10:0 Methyl decanoate (110-42-9), 4%
C11:0 Methyl undecanoate (1731-86-8), 2%
C12:0 Methyl dodecanoate (111-82-0), 4%
C13:0 Methyl tridecanoate (1731-88-0), 2%
C14:0 Methyl myristate (124-10-7), 4%
C14:1 (*cis*-9) Methyl myristoleate (56219-06-8), 2%
C15:0 Methyl pentadecanoate (7132-64-1), 2%
C15:1 (*cis*-10) Methyl pentadecenoate (90176-52-6), 2%
C16:0 Methyl palmitate (112-39-0), 6%
C16:1 (*cis*-9) Methyl palmitoleate (1120-25-8), 2%
C17:0 Methyl heptadecanoate (1731-92-6), 2%
C17:1 (*cis*-10) Methyl heptadecenoate (75190-82-8), 2%
C18:0 Methyl stearate (112-61-8), 4%
C18:1 (*trans*-9) Methyl octadecenoate (1937-62-8), 2%
C18:1 (*cis*-9) Methyl oleate (112-62-9), 4%
C18:2 (all-*trans*-9,12) Methyl linolelaidate (2566-97-4), 2%
C18:2 (all-*cis*-9,12) Methyl linoleate (112-63-0), 2%
C18:3 (all-*cis*-6,9,12) Methyl linolenate (16326-32-2), 2%
C18:3 (all-*cis*-9,12,15) Methyl linolenate (301-00-8), 2%
C20:0 Methyl arachidate (1120-28-1), 4%
C20:1 (*cis*-11) Methyl eicosenoate (2390-09-2), 2%
C20:2 (all-*cis*-11,14,) Methyl eicosadienoate (2463-02-7), 2%
C20:3 (all-*cis*-8,11,14) Methyl eicosatrienoate (21061-10-9), 2%
C20:3 (all-*cis*-11,14,17) Methyl eicosatrienoate (55682-88-7), 2%
C20:4 (all-*cis*-5,8,11,14) Methyl arachidonate (2566-89-4), 2%
C20:5 (all-*cis*-5,8,11,14,17) Methyl eicosapentaenoate (2734-47-6), 2%
C21:0 Methyl heneicosanoate (6064-90-0), 2%
C22:0 Methyl behenate (929-77-1), 4%
C22:1 (*cis*-13) Methyl erucate (1120-34-9), 2%
C22:2 (all-*cis*-13,16) Methyl docosadienoate (61012-47-3), 2%
C22:6 (all-*cis*-4,7,10,13,16,19) Methyl docosahexaenoate (2566-90-7), 2%
C23:0 Methyl tricosanoate (2433-97-8), 2%
C24:0 Methyl lignocerate (2442-49-1), 4%
C24:1 (*cis*-15) Methyl nervonate (2733-88-2), 2%

Conc. in Solvent	CRM?	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
30 mg/mL total in methylene chloride, 1 mL/ampul	No	Ambient	0 °C or colder	No	ea.	35077

Forensic Drug Screen Internal Standard Solution 1 rev A (2 components)

Diazepam-d5
D5-doxepine

Conc. in Solvent	CRM?	DEA Status	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
10 µg/mL each in P&T methanol, 10 mL/ampul	Yes	Exempt	6 months	24 months	Ambient	10 °C or colder	ea.	36341

Forensic Drug Screen Test Mixture (8 components)

Amiodarone (19774-82-4), 10 µg/mL
Amphetamine (51-63-8), 10 µg/mL
Caffeine (58-08-2), 10 µg/mL
Codeine (76-57-3), 10 µg/mL
Diazepam (439-14-5), 10 µg/mL
Doxepin (1229-29-4), 10 µg/mL
Haloperidol (52-86-8), 1 µg/mL
Morphine (6211-15-0), 10 µg/mL

Conc. in Solvent	CRM?	DEA Status	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In P&T methanol, 1 mL/ampul	Yes	Exempt	6 months	24 months	Ambient	10 °C or colder	ea.	36340

Fortification Mix (7 components)

4,6-Dinitro-2-methylphenol (Dinitro-*o*-cresol) (534-52-1)
2,4-Dinitrophenol (51-28-5)
2-Nitroaniline (88-74-4)
3-Nitroaniline (99-09-2)
4-Nitroaniline (100-01-6)
4-Nitrophenol (100-02-7)
2,4,5-Trichlorophenol (95-95-4)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in methylene chloride, 1 mL/ampul	Yes	6 months	36 months	Ambient	10 °C or colder	ea.	31813

Fragrance Allergen Standards Kit

Contains 1 mL each of these mixtures (in methyl *tert*-butyl ether).

MTBE Solvent Blank, cat.# 33100††
methyl *tert*-butyl ether (MTBE) (1634-04-4), Neat

1-Fluoronaphthalene (Internal Standard), cat.# 33101††
1-fluoronaphthalene (321-38-0), 20 µg/mL

Fragrance Allergen Standard A (Includes Internal Standard), cat.# 33102††
α-amylcinnamaldehyde*† (122-40-7), 400 µg/mL
cinnamal* (104-55-2), 400 µg/mL
citral*† (5392-40-5), 400 µg/mL
3,7-dimethyl-7-hydroxyoctanal* (107-75-5), 400 µg/mL
1-fluoronaphthalene (321-38-0), 20 µg/mL
α-hexylcinnamaldehyde*† (101-86-0), 400 µg/mL
lilial* (80-54-6), 400 µg/mL
lyral*† (31906-04-4), 400 µg/mL
phenylacetaldehyde** (122-78-1), 400 µg/mL

Fragrance Allergen Standard B (Includes Internal Standard), cat.# 33103††
α-amylcinnamic alcohol*† (101-85-9), 400 µg/mL
benzyl alcohol* (100-51-6), 400 µg/mL
cinnamyl alcohol* (104-54-1), 400 µg/mL
citronellol* (106-22-9), 400 µg/mL
eugenol* (97-53-0), 400 µg/mL
farnesol*† (4602-84-0), 400 µg/mL
1-fluoronaphthalene (321-38-0), 20 µg/mL
geraniol* (106-24-1), 400 µg/mL
isoeugenol* (97-54-1), 400 µg/mL
linalool* (78-70-6), 400 µg/mL
4-methoxybenzyl alcohol* (105-13-5), 400 µg/mL
methyl eugenol** (93-15-2), 400 µg/mL

Fragrance Allergen Standard C (Includes Internal Standard), cat.# 33104††
4-allylanisole** (140-67-0), 400 µg/mL
benzyl benzoate* (120-51-4), 400 µg/mL
benzyl cinnamate* (103-41-3), 400 µg/mL
benzyl salicylate* (118-58-1), 400 µg/mL
camphor** (76-22-2), 400 µg/mL
1,8-cineole** (470-82-6), 400 µg/mL
coumarin* (91-64-5), 400 µg/mL
1-fluoronaphthalene (321-38-0), 20 µg/mL
d-limonene* (5989-27-5), 400 µg/mL
iso-α-methylionone* (127-51-5), 400 µg/mL
methyl 2-nonynoate** (111-80-8), 400 µg/mL
methyl 2-octynoate* (111-12-6), 400 µg/mL
safrole** (94-59-7), 400 µg/mL
To view and download safety data sheets (SDS) and certificates of analysis (CofA) for recently produced lots, visit www.restek.com/documentation and then enter the cat.# for each ampul.
*Compound listed in 7th Amendment to the European Cosmetics Directive.
**Additional potential allergens included in this formulation.
†Compounds defined as two isomers resulting in two chromatographic peaks.
††Components of the Fragrance Allergen Standards Kit are not available for individual sale.

Description	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
Fragrance Allergen Standards Kit	Yes	6 months	18 months	Ambient	0 °C or colder	kit	33105

Fragrance Materials Test Mix (12 components)

Benzoic acid (65-85-0), 1.0%
Benzyl salicylate (118-58-1), 35.7%
1,8-Cineole (Eucalyptol) (470-82-6), 0.5%
trans Cinnamaldehyde (14371-10-9), 0.5%
Cinnamyl acetate (103-54-8), 0.3%
Cinnamyl alcohol (104-54-1), 0.3%
Ethyl butyrate (105-54-4), 35.7%
Geraniol (106-24-1), 0.6%
Hydroxycitronellal (3,7-Dimethyl-7-hydroxyoctanal) (107-75-5), 5.0%
d-Limonene (5989-27-5), 20.0%
Thymol (89-83-8), 0.3%
Vanillin (121-33-5), 0.1%

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
Neat, 0.5 mL in an amber ampul	Yes	6 months	24 months	Ambient	10 °C or colder	No	ea.	31807

Free Fatty Acids Test Standard (6 components)

(C4:0) Butyric acid (107-92-6)
Acetic acid (64-19-7)
Isobutyric acid (79-31-2)
Isovaleric acid (503-74-2)
Propionic acid (79-09-4)
Valeric acid (109-52-4)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
1000 µg/mL each in water, 1 mL/ampul	Yes	6 months	36 months	Ambient	10 °C or colder	ea.	35272

Fuel Oil Degradation Mix (4 components)

(C17) Heptadecane (629-78-7)
(C18) Octadecane (593-45-3)
Pristane (2,6,10,14-tetramethylpentadecane) (1921-70-6)
Phytane (2,6,10,14-tetramethylhexadecane) (638-36-8)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in methylene chloride, 1 mL/ampul	Yes	6 months	85 months	Ambient	25 °C nominal	ea.	31240

Gasoline Component Standard (10 components)

Benzene (71-43-2), 500 µg/mL
Ethylbenzene (100-41-4), 500 µg/mL
Heptane (142-82-5), 500 µg/mL
2-Methylpentane (107-83-5), 1500 µg/mL
Toluene (108-88-3), 1500 µg/mL
1,2,4-Trimethylbenzene (95-63-6), 1000 µg/mL
2,2,4-Trimethylpentane (isooctane) (540-84-1), 1500 µg/mL
m-Xylene (108-38-3), 1000 µg/mL
o-Xylene (95-47-6), 1000 µg/mL
p-Xylene (106-42-3), 1000 µg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
10,000 µg/mL total in P&T methanol, 1 mL/ampul	Yes	6 months	85 months	Ambient	0 °C or colder	ea.	30486

GC Multiresidue Pesticide Kit

Cat.# 32563: GC Multiresidue Pesticide Standard #1 (16 components)
Organophosphorus Compounds
100 µg/mL each in toluene, 1 mL/ampul
Azinphos ethyl (2642-71-9)
Azinphos methyl (86-50-0)
Chlorpyrifos (2921-88-2)
Chlorpyrifos methyl (5598-13-0)
Diazinon (333-41-5)
EPN (2104-64-5)
Fenitrothion (122-14-5)
Isazophos (42509-80-8)
Phosalone (2310-17-0)
Phosmet (732-11-6)
Pirimiphos ethyl (23505-41-1)
Pirimiphos methyl (29232-93-7)
Pyraclofos (89784-60-1)
Pyrazophos (13457-18-6)
Pyridaphenthion (119-12-0)
Quinalphos (13593-03-8)

Cat.# 32564: GC Multiresidue Pesticide Standard #2 (40 components)
Organochlorine Compounds
100 µg/mL each in toluene, 1 mL/ampul
Aldrin (309-00-2)
α-BHC (319-84-6)
β-BHC (319-85-7)
δ-BHC (319-86-8)
γ-BHC (Lindane) (58-89-9)
Chlorbenside (103-17-3)
cis-Chlordane (5103-71-9)
trans-Chlordane (5103-74-2)
Chlorfenson (Ovex) (80-33-1)
Chloroneb (2675-77-6)
2,4'-DDD (53-19-0)
4,4'-DDD (72-54-8)
2,4'-DDE (3424-82-6)
4,4'-DDE (72-55-9)
2,4'-DDT (789-02-6)
4,4'-DDT (50-29-3)
4,4'-Dichlorobenzophenone (90-98-2)
Dieldrin (60-57-1)
Endosulfan I (959-98-8)
Endosulfan II (33213-65-9)
Endosulfan ether (3369-52-6)
Endosulfan sulfate (1031-07-8)
Endrin (72-20-8)
Endrin aldehyde (7421-93-4)
Endrin ketone (53494-70-5)
Ethylan (Perthane) (72-56-0)
Fenson (80-38-6)
Heptachlor (76-44-8)
Heptachlor epoxide (isomer B) (1024-57-3)
Hexachlorobenzene (118-74-1)
Isodrin (465-73-6)
2,4'-Methoxychlor (30667-99-3)
4,4'-Methoxychlor olefin (2132-70-9)
Mirex (2385-85-5)
cis-Nonachlor (5103-73-1)
trans-Nonachlor (39765-80-5)
Pentachloroanisole (1825-21-4)
Pentachlorobenzene (608-93-5)
Pentachlorothioanisole (1825-19-0)
Tetradifon (116-29-0)

Cat.# 32565: GC Multiresidue Pesticide Standard #3 (25 components)
Organonitrogen Compounds
100 µg/mL each in toluene:acetonitrile (99:1), 1 mL/ampul
Benfluralin (1861-40-1)
Biphenyl (92-52-4)
Chlorothalonil (1897-45-6)
Dichlofluanid (1085-98-9)
Dichloran (99-30-9)
3,4-Dichloroaniline (95-76-1)
2,6-Dichlorobenzonitrile (Dichlobenil) (1194-65-6)
Diphenylamine (122-39-4)
Ethalfluralin (55283-68-6)
Fluchloralin (33245-39-5)
Isopropalin (33820-53-0)
Nitralin (4726-14-1)
Nitrofen (1836-75-5)
Oxyfluorfen (42874-03-3)
Pendimethalin (40487-42-1)
Pentachloroaniline (527-20-8)
Pentachlorobenzonitrile (20925-85-3)
Pentachloronitrobenzene (Quintozene) (82-68-8)
Prodiamine (29091-21-2)
Profluralin (26399-36-0)
2,3,5,6-Tetrachloroaniline (3481-20-7)
Tetrachloronitrobenzene (Tecnazene) (117-18-0)
THPI (Tetrahydrophthalimide) (1469-48-3)
Tolylfluanid (731-27-1)
Trifluralin (1582-09-8)

Cat.# 32566: GC Multiresidue Pesticide Standard #4 (28 components)
Organonitrogen Compounds
100 µg/mL each in toluene, 1 mL/ampul
Acetochlor (34256-82-1)
Alachlor (15972-60-8)
Allidochlor (93-71-0)
Clomazone (Command) (81777-89-1)
Cycloate (1134-23-2)
Diallate (*cis* & *trans*) (2303-16-4)
Dimethachlor (50563-36-5)
Diphenamid (957-51-7)
Fenpropathrin (39515-41-8)
Fluquinconazole (136426-54-5)
Flutolanil (66332-96-5)
Linuron (330-55-2)
Metazachlor (67129-08-2)
Methoxychlor (72-43-5)
Metolachlor (51218-45-2)
N-(2,4-Dimethylphenyl)formamide (60397-77-5)
Norflurazon (27314-13-2)
Oxadiazon (19666-30-9)
Pebulate (1114-71-2)
Pretilachlor (51218-49-6)
Prochloraz (67747-09-5)
Propachlor (1918-16-7)
Propanil (709-98-8)
Propisochlor (86763-47-5)
Propyzamide (23950-58-5)
Pyridaben (96489-71-3)
Tebufenpyrad (119168-77-3)
Triallate (2303-17-5)

Cat.# 32567: GC Multiresidue Pesticide Standard #5 (34 components)
Organonitrogen Compounds
100 µg/mL each in toluene, 1 mL/ampul
Atrazine (1912-24-9)
Bupirimate (41483-43-6)
Captafol (2425-06-1)
Captan (133-06-2)
Chlorfenapyr (122453-73-0)
Cyprodinil (121552-61-2)
Etofenprox (80844-07-1)
Etridiazole (2593-15-9)
Fenarimol (60168-88-9)
Fipronil (120068-37-3)
Fludioxonil (131341-86-1)
Fluridone (Sonar) (59756-60-4)
Flusilazole (85509-19-9)
Flutriafol (76674-21-0)
Folpet (133-07-3)
Hexazinone (Velpar) (51235-04-2)
Iprodione (36734-19-7)
Lenacil (2164-08-1)
MGK-264 (113-48-4)
Myclobutanil (88671-89-0)
Paclobutrazol (76738-62-0)
Penconazole (66246-88-6)
Procymidone (32809-16-8)
Propargite (2312-35-8)
Pyrimethanil (53112-28-0)
Pyriproxyfen (95737-68-1)
Tebuconazole (107534-96-3)
Terbacil (5902-51-2)
Terbuthylazine (5915-41-3)
Triadimefon (43121-43-3)
Triadimenol (55219-65-3)
Tricyclazole (Beam) (41814-78-2)
Triflumizole (68694-11-1)
Vinclozolin (50471-44-8)

Cat.# 32568: GC Multiresidue Pesticide Standard #6 (18 components)
Synthetic Pyrethroid Compounds
100 µg/mL each in toluene, 1 mL/ampul
Acrinathrin (101007-06-1)
Anthraquinone (84-65-1)
Bifenthrin (82657-04-3)
Bioallethrin (584-79-2)
Cyfluthrin (68359-37-5)
lambda-Cyhalothrin (91465-08-6)
Cypermethrin (52315-07-8)
Deltamethrin (52918-63-5)
Fenvalerate (51630-58-1)
Flucythrinate (70124-77-5)
tau-Fluvalinate (102851-06-9)
cis-Permethrin (61949-76-6)
trans-Permethrin (61949-77-7)
Phenothrin (*cis* & *trans*) (26002-80-2)
Resmethrin (10453-86-8)
Tefluthrin (79538-32-2)
Tetramethrin (7696-12-0)
Transfluthrin (118712-89-3)

Cat.# 32569: GC Multiresidue Pesticide Standard #7 (10 components)
Herbicide Methyl Esters
100 µg/mL each in toluene, 1 mL/ampul
Acequinocyl (57960-19-7)
Bromopropylate (18181-80-1)
Carfentrazone ethyl (128639-02-1)
Chlorobenzilate (510-15-6)
Chlorpropham (101-21-3)
Chlozolinate (84332-86-5)
DCPA methyl ester (Chlorthal-dimethyl) (1861-32-1)
Fluazifop-*p*-butyl (79241-46-6)
Metalaxyl (57837-19-1)
2-Phenylphenol (90-43-7)

Cat.# 32570: GC Multiresidue Pesticide Standard #8 (24 components)
Organophosphorus Compounds
100 µg/mL each in toluene, 1 mL/ampul
Bromfenvinfos-methyl (13104-21-7)
Bromfenvinphos (33399-00-7)
Bromophos ethyl (4824-78-6)
Bromophos methyl (2104-96-3)
Carbophenothion (786-19-6)
Chlorfenvinphos (470-90-6)
Chlorthiophos (60238-56-4)
Coumaphos (56-72-4)
Edifenphos (17109-49-8)
Ethion (563-12-2)
Fenamiphos (22224-92-6)
Fenchlorphos (Ronnel) (299-84-3)
Fenthion (55-38-9)
Iodofenphos (18181-70-9)
Leptophos (21609-90-5)
Malathion (121-75-5)
Methacrifos (62610-77-9)
Profenofos (41198-08-7)
Prothiofos (34643-46-4)
Sulfotepp (3689-24-5)
Sulprofos (35400-43-2)
Terbufos (13071-79-9)
Tetrachlorvinphos (22248-79-9)
Tolclofos-methyl (57018-04-9)

Cat.# 32571: GC Multiresidue Pesticide Standard #9 (8 components)
Organophosphorus Compounds
100 µg/mL each in toluene, 1 mL/ampul
Disulfoton (298-04-4)
Fonofos (944-22-9)
Methyl parathion (298-00-0)
Mevinphos (7786-34-7)
Parathion (ethyl parathion) (56-38-2)
Phorate (298-02-2)
Piperonyl butoxide (51-03-6)
Triazophos (24017-47-8)

Description	CRM?	Min Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
GC Multiresidue Pesticide Kit	Yes	6 months	Ambient	10 °C or colder	kit	32562

GC Multiresidue Pesticide Standard #1 Organophosphorus Compounds (16 components)

Azinphos ethyl (2642-71-9)
Azinphos methyl (86-50-0)
Chlorpyrifos (2921-88-2)
Chlorpyrifos methyl (5598-13-0)
Diazinon (333-41-5)
EPN (2104-64-5)
Fenitrothion (122-14-5)
Isazophos (42509-80-8)
Phosalone (2310-17-0)
Phosmet (732-11-6)
Pirimiphos ethyl (23505-41-1)
Pirimiphos methyl (29232-93-7)
Pyraclofos (89784-60-1)
Pyrazophos (13457-18-6)
Pyridaphenthion (119-12-0)
Quinalphos (13593-03-8)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
100 µg/mL each in toluene, 1 mL/ampul	Yes	6 months	18 months	Ambient	10 °C or colder	ea.	32563

* Note: When combining a large number of compounds with different chemical functionalities, mix stability can be an issue. In formulating these standards, we extensively studied the 203 compounds involved, then grouped them into as few mixes as possible while still ensuring maximum long-term stability and reliability. For quantitative analysis, we recommend analyzing each mix separately to ensure accurate results for every compound.

GC Multiresidue Pesticide Standard #2 Organochlorine Compounds (40 components)

Aldrin (309-00-2)
α-BHC (319-84-6)
β-BHC (319-85-7)
δ-BHC (319-86-8)
γ-BHC (Lindane) (58-89-9)
Chlorbenside (103-17-3)
cis-Chlordane (5103-71-9)
trans-Chlordane (5103-74-2)
Chlorfenson (Ovex) (80-33-1)
Chloroneb (2675-77-6)
2,4'-DDD (53-19-0)
4,4'-DDD (72-54-8)
2,4'-DDE (3424-82-6)
4,4'-DDE (72-55-9)
2,4'-DDT (789-02-6)
4,4'-DDT (50-29-3)
4,4'-Dichlorobenzophenone (90-98-2)
Dieldrin (60-57-1)
Endosulfan I (959-98-8)
Endosulfan II (33213-65-9)
Endosulfan ether (3369-52-6)
Endosulfan sulfate (1031-07-8)
Endrin (72-20-8)
Endrin aldehyde (7421-93-4)
Endrin ketone (53494-70-5)
Ethylan (Perthane) (72-56-0)
Fenson (80-38-6)
Heptachlor (76-44-8)
Heptachlor epoxide (isomer B) (1024-57-3)
Hexachlorobenzene (118-74-1)
Isodrin (465-73-6)
2,4'-Methoxychlor (30667-99-3)
4,4'-Methoxychlor olefin (2132-70-9)
Mirex (2385-85-5)
cis-Nonachlor (5103-73-1)
trans-Nonachlor (39765-80-5)
Pentachloroanisole (1825-21-4)
Pentachlorobenzene (608-93-5)
Pentachlorothioanisole (1825-19-0)
Tetradifon (116-29-0)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
100 µg/mL each in toluene, 1 mL/ampul	Yes	6 months	24 months	Ambient	10 °C or colder	ea.	*32564*

* Note: When combining a large number of compounds with different chemical functionalities, mix stability can be an issue. In formulating these standards, we extensively studied the 203 compounds involved, then grouped them into as few mixes as possible while still ensuring maximum long-term stability and reliability. For quantitative analysis, we recommend analyzing each mix separately to ensure accurate results for every compound.

GC Multiresidue Pesticide Standard #3 Organonitrogen Compounds (25 components)

Benfluralin (1861-40-1)
Biphenyl (92-52-4)
Chlorothalonil (1897-45-6)
Dichlofluanid (1085-98-9)
Dichloran (99-30-9)
3,4-Dichloroaniline (95-76-1)
2,6-Dichlorobenzonitrile (Dichlobenil) (1194-65-6)
Diphenylamine (122-39-4)
Ethalfluralin (55283-68-6)
Fluchloralin (33245-39-5)
Isopropalin (33820-53-0)
Nitralin (4726-14-1)
Nitrofen (1836-75-5)
Oxyfluorfen (42874-03-3)
Pendimethalin (40487-42-1)
Pentachloroaniline (527-20-8)
Pentachlorobenzonitrile (20925-85-3)
Pentachloronitrobenzene (Quintozene) (82-68-8)
Prodiamine (29091-21-2)
Profluralin (26399-36-0)
2,3,5,6-Tetrachloroaniline (3481-20-7)
Tetrachloronitrobenzene (Tecnazene) (117-18-0)
THPI (Tetrahydrophthalimide) (1469-48-3)
Tolylfluanid (731-27-1)
Trifluralin (1582-09-8)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
100 µg/mL each in toluene:acetonitrile (99:1), 1 mL/ampul	Yes	6 months	24 months	Ambient	10 °C or colder	ea.	*32565*

* Note: When combining a large number of compounds with different chemical functionalities, mix stability can be an issue. In formulating these standards, we extensively studied the 203 compounds involved, then grouped them into as few mixes as possible while still ensuring maximum long-term stability and reliability. For quantitative analysis, we recommend analyzing each mix separately to ensure accurate results for every compound.

GC Multiresidue Pesticide Standard #4 Organonitrogen Compounds (28 components)

Acetochlor (34256-82-1)
Alachlor (15972-60-8)
Allidochlor (93-71-0)
Clomazone (Command) (81777-89-1)
Cycloate (1134-23-2)
Diallate (*cis* & *trans*) (2303-16-4)
Dimethachlor (50563-36-5)
Diphenamid (957-51-7)
Fenpropathrin (39515-41-8)
Fluquinconazole (136426-54-5)
Flutolanil (66332-96-5)
Linuron (330-55-2)
Metazachlor (67129-08-2)
Methoxychlor (72-43-5)
Metolachlor (51218-45-2)
N-(2,4-Dimethylphenyl)formamide (60397-77-5)
Norflurazon (27314-13-2)
Oxadiazon (19666-30-9)
Pebulate (1114-71-2)
Pretilachlor (51218-49-6)
Prochloraz (67747-09-5)
Propachlor (1918-16-7)
Propanil (709-98-8)
Propisochlor (86763-47-5)
Propyzamide (23950-58-5)
Pyridaben (96489-71-3)
Tebufenpyrad (119168-77-3)
Triallate (2303-17-5)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
100 µg/mL each in toluene, 1 mL/ampul	Yes	6 months	24 months	Ambient	10 °C or colder	ea.	*32566*

* Note: When combining a large number of compounds with different chemical functionalities, mix stability can be an issue. In formulating these standards, we extensively studied the 203 compounds involved, then grouped them into as few mixes as possible while still ensuring maximum long-term stability and reliability. For quantitative analysis, we recommend analyzing each mix separately to ensure accurate results for every compound.

GC Multiresidue Pesticide Standard #5 Organonitrogen Compounds (34 components)

Atrazine (1912-24-9)
Bupirimate (41483-43-6)
Captafol (2425-06-1)
Captan (133-06-2)
Chlorfenapyr (122453-73-0)
Cyprodinil (121552-61-2)
Etofenprox (80844-07-1)
Etridiazole (2593-15-9)
Fenarimol (60168-88-9)
Fipronil (120068-37-3)
Fludioxonil (131341-86-1)
Fluridone (Sonar) (59756-60-4)
Flusilazole (85509-19-9)
Flutriafol (76674-21-0)
Folpet (133-07-3)
Hexazinone (Velpar) (51235-04-2)
Iprodione (36734-19-7)
Lenacil (2164-08-1)
MGK-264 (113-48-4)
Myclobutanil (88671-89-0)
Paclobutrazol (76738-62-0)
Penconazole (66246-88-6)
Procymidone (32809-16-8)
Propargite (2312-35-8)
Pyrimethanil (53112-28-0)
Pyriproxyfen (95737-68-1)
Tebuconazole (107534-96-3)
Terbacil (5902-51-2)
Terbuthylazine (5915-41-3)
Triadimefon (43121-43-3)
Triadimenol (55219-65-3)
Tricyclazole (Beam) (41814-78-2)
Triflumizole (68694-11-1)
Vinclozolin (50471-44-8)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
100 µg/mL each in toluene, 1 mL/ampul	Yes	6 months	24 months	Ambient	10 °C or colder	ea.	*32567*

* Note: When combining a large number of compounds with different chemical functionalities, mix stability can be an issue. In formulating these standards, we extensively studied the 203 compounds involved, then grouped them into as few mixes as possible while still ensuring maximum long-term stability and reliability. For quantitative analysis, we recommend analyzing each mix separately to ensure accurate results for every compound.

GC Multiresidue Pesticide Standard #6 Synthetic Pyrethroid Compounds (18 components)

Acrinathrin (101007-06-1)
Anthraquinone (84-65-1)
Bifenthrin (82657-04-3)
Bioallethrin (584-79-2)
Cyfluthrin (68359-37-5)
lambda-Cyhalothrin (91465-08-6)
Cypermethrin (52315-07-8)
Deltamethrin (52918-63-5)
Fenvalerate (51630-58-1)
Flucythrinate (70124-77-5)
tau-Fluvalinate (102851-06-9)
cis-Permethrin (61949-76-6)
trans-Permethrin (61949-77-7)
Phenothrin (*cis* & *trans*) (26002-80-2)
Resmethrin (10453-86-8)
Tefluthrin (79538-32-2)
Tetramethrin (7696-12-0)
Transfluthrin (118712-89-3)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
100 µg/mL each in toluene, 1 mL/ampul	Yes	6 months	24 months	Ambient	10 °C or colder	ea.	32568

* Note: When combining a large number of compounds with different chemical functionalities, mix stability can be an issue. In formulating these standards, we extensively studied the 203 compounds involved, then grouped them into as few mixes as possible while still ensuring maximum long-term stability and reliability. For quantitative analysis, we recommend analyzing each mix separately to ensure accurate results for every compound.

GC Multiresidue Pesticide Standard #7 Herbicide Methyl Esters (10 components)

Acequinocyl (57960-19-7)
Bromopropylate (18181-80-1)
Carfentrazone ethyl (128639-02-1)
Chlorobenzilate (510-15-6)
Chlorpropham (101-21-3)
Chlozolinate (84332-86-5)
DCPA methyl ester (Chlorthal-dimethyl) (1861-32-1)
Fluazifop-*p*-butyl (79241-46-6)
Metalaxyl (57837-19-1)
2-Phenylphenol (90-43-7)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
100 µg/mL each in toluene, 1 mL/ampul	Yes	6 months	24 months	Ambient	10 °C or colder	ea.	32569

* Note: When combining a large number of compounds with different chemical functionalities, mix stability can be an issue. In formulating these standards, we extensively studied the 203 compounds involved, then grouped them into as few mixes as possible while still ensuring maximum long-term stability and reliability. For quantitative analysis, we recommend analyzing each mix separately to ensure accurate results for every compound.

GC Multiresidue Pesticide Standard #8 Organophosphorus Compounds (24 components)

Bromfenvinfos-methyl (13104-21-7)
Bromfenvinphos (33399-00-7)
Bromophos ethyl (4824-78-6)
Bromophos methyl (2104-96-3)
Carbophenothion (786-19-6)
Chlorfenvinphos (470-90-6)
Chlorthiophos (60238-56-4)
Coumaphos (56-72-4)
Edifenphos (17109-49-8)
Ethion (563-12-2)
Fenamiphos (22224-92-6)
Fenchlorphos (Ronnel) (299-84-3)
Fenthion (55-38-9)
Iodofenphos (18181-70-9)
Leptophos (21609-90-5)
Malathion (121-75-5)
Methacrifos (62610-77-9)
Profenofos (41198-08-7)
Prothiofos (34643-46-4)
Sulfotepp (3689-24-5)
Sulprofos (35400-43-2)
Terbufos (13071-79-9)
Tetrachlorvinphos (22248-79-9)
Tolclofos-methyl (57018-04-9)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
100 µg/mL each in toluene, 1 mL/ampul	Yes	6 months	18 months	Ambient	10 °C or colder	ea.	32570

* Note: When combining a large number of compounds with different chemical functionalities, mix stability can be an issue. In formulating these standards, we extensively studied the 203 compounds involved, then grouped them into as few mixes as possible while still ensuring maximum long-term stability and reliability. For quantitative analysis, we recommend analyzing each mix separately to ensure accurate results for every compound.

GC Multiresidue Pesticide Standard #9 Organophosphorus Compounds (8 components)

Disulfoton (298-04-4)
Fonofos (944-22-9)
Methyl parathion (298-00-0)
Mevinphos (7786-34-7)
Parathion (ethyl parathion) (56-38-2)
Phorate (298-02-2)
Piperonyl butoxide (51-03-6)
Triazophos (24017-47-8)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
100 µg/mL each in toluene, 1 mL/ampul	Yes	6 months	18 months	Ambient	10 °C or colder	ea.	32571

* Note: When combining a large number of compounds with different chemical functionalities, mix stability can be an issue. In formulating these standards, we extensively studied the 203 compounds involved, then grouped them into as few mixes as possible while still ensuring maximum long-term stability and reliability. For quantitative analysis, we recommend analyzing each mix separately to ensure accurate results for every compound.

GC-FID Test Mix (3 components)

(C12) *n*-Dodecane (112-40-3)
(C14) *n*-Tetradecane (629-59-4)
(C16) *n*-Hexadecane (544-76-3)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
20 µg/mL each in hexane, 1 mL/ampul	Yes	6 months	106 months	Ambient	25 °C nominal	ea.	35108

GC-MS Tuning Mixture (4 components)

Benzidine (92-87-5)
4,4'-DDT (50-29-3)
DFTPP (decafluorotriphenylphosphine) (5074-71-5)
Pentachlorophenol (87-86-5)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
1000 µg/mL each in methylene chloride, 1 mL/ampul	Yes	6 months	36 months	Ambient	10 °C or colder	ea.	31615

Glycerin Standard Mix (3 components)

Diethylene glycol (111-46-6), 0.5 mg/mL
Ethylene glycol (107-21-1), 0.5 mg/mL
Glycerin (56-81-5), 20 mg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In P&T methanol, 1 mL/ampul	Yes	6 months	36 months	Ambient	10 °C or colder	ea.	31891

Glycols Standard (2 components)

Ethylene glycol (107-21-1)
Propylene glycol (57-55-6)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
50,000 µg/mL each in DI water, 1 mL/ampul	Yes	6 months	36 months	Ambient	10 °C or colder	ea.	30471

GRO Mix (9 components)

Benzene (71-43-2)
Ethylbenzene (100-41-4)
3-Methylpentane (96-14-0)
Naphthalene (91-20-3)
Toluene (108-88-3)
1,2,4-Trimethylbenzene (95-63-6)
2,2,4-Trimethylpentane (isooctane) (540-84-1)
m-Xylene (108-38-3)
o-Xylene (95-47-6)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
1000 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	85 months	Ambient	0 °C or colder	ea.	30069

GRO Mix (EPA) (9 components)

Benzene (71-43-2), 500 µg/mL
Ethylbenzene (100-41-4), 500 µg/mL
Heptane (142-82-5), 500 µg/mL
2-Methylpentane (107-83-5), 1500 µg/mL
Toluene (108-88-3), 1500 µg/mL
1,2,4-Trimethylbenzene (95-63-6), 1000 µg/mL
2,2,4-Trimethylpentane (isooctane) (540-84-1), 1500 µg/mL
m-Xylene (108-38-3), 1000 µg/mL
o-Xylene (95-47-6), 1000 µg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In P&T methanol, 1 mL/ampul	Yes	6 months	85 months	Ambient	0 °C or colder	ea.	30065

Grob DA 280 Column Test Mix (11 components)

(C10) *n*-Decane (124-18-5), 280 µg/mL
(C10:0) Methyl decanoate (110-42-9), 420 µg/mL
(C11) *n*-Undecane (1120-21-4), 280 µg/mL
(C11:0) Methyl undecanoate (1731-86-8), 420 µg/mL
(C12:0) Methyl dodecanoate, 420 µg/mL
L(+)-2,3-Butanediol (19132-06-0), 530 µg/mL
2,6-Dimethylaniline (87-62-7), 320 µg/mL
2,6-Dimethylphenol (576-26-1), 320 µg/mL
2-Ethylhexanoic acid (149-57-5), 380 µg/mL
Nonanal (124-19-6), 400 µg/mL
1-Octanol (111-87-5), 360 µg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In methylene chloride, 1 mL/ampul	Yes	1 month	4 months	Ambient	10 °C or colder	ea.	35252

Grob Mix 280 (10 components)

(C10) *n*-Decane (124-18-5), 280 µg/mL
(C10:0) Methyl decanoate (110-42-9), 420 µg/mL
(C11) *n*-Undecane (1120-21-4), 280 µg/mL
(C11:0) Methyl undecanoate (1731-86-8), 420 µg/mL
(C12:0) Methyl dodecanoate, 420 µg/mL
L(+)-2,3-Butanediol (19132-06-0), 530 µg/mL
2,6-Dimethylaniline (87-62-7), 320 µg/mL
2,6-Dimethylphenol (576-26-1), 320 µg/mL
Nonanal (124-19-6), 400 µg/mL
1-Octanol (111-87-5), 360 µg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
In methylene chloride, 1 mL/ampul	No	3 months	12 months	Ambient	0 °C or colder	No	ea.	35227

Grob Test Mix (Capillary GC) (12 components)

(C10:0) Methyl caprate (110-42-9), 0.42 mg/mL
(C11:0) Methyl undecanoate (1731-86-8), 0.42 mg/mL
(C12:0) Methyl laurate (111-82-0), 0.41 mg/mL
(C10) Decane (124-18-5), 0.28 mg/mL
(C11) Undecane (1120-21-4), 0.29 mg/mL
2,3-Butanediol (+/-) (6982-25-8), 0.53 mg/mL
Dicyclohexylamine (101-83-7), 0.31 mg/mL
2,6-Dimethylaniline (87-62-7), 0.32 mg/mL
2,6-Dimethylphenol (576-26-1), 0.32 mg/mL
2-Ethylhexanoic acid (149-57-5), 0.38 mg/mL
Nonanal (124-19-6), 0.40 mg/mL
1-Octanol (111-87-5), 0.36 mg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
In methylene chloride, 1 mL/ampul	No	6 months	35 months	Ambient	10 °C or colder	No	ea.	35000

Haloacetic Acid Methyl Ester Mix #1 (6 components)

Methyl bromochloroacetate (20428-74-4)
Methyl dibromoacetate (6482-26-4)
Methyl dichloroacetate (116-54-1)
Methyl monobromoacetate (96-32-2)
Methyl monochloroacetate (96-34-4)
Methyl trichloroacetate (598-99-2)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
1000 µg/mL each in methyl *tert*-butyl ether, 1 mL/ampul	Yes	6 months	36 months	Ambient	10 °C or colder	ea.	31645

Haloacetic Acid Mix (9 components)

Bromochloroacetic acid (5589-96-8)
Bromodichloroacetic acid (71133-14-7)
Chlorodibromoacetic acid (5278-95-5)
Dibromoacetic acid (631-64-1)
Dichloroacetic acid (79-43-6)
Monobromoacetic acid (79-08-3)
Monochloroacetic acid (79-11-8)
Tribromoacetic acid (75-96-7)
Trichloroacetic acid (76-03-9)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
1000 µg/mL each in methyl *tert*-butyl ether, 1 mL/ampul	Yes	6 months	24 months	Ambient	10 °C or colder	ea.	31896

Haloacetic Acid Mix #1 (6 components)

Bromochloroacetic acid (5589-96-8)
Dibromoacetic acid (631-64-1)
Dichloroacetic acid (79-43-6)
Monobromoacetic acid (79-08-3)
Monochloroacetic acid (79-11-8)
Trichloroacetic acid (76-03-9)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in methyl *tert*-butyl ether, 1 mL/ampul	Yes	6 months	24 months	Ambient	10 °C or colder	ea.	31644

Haloacetic Acid Mix #2 (9 components)

Bromochloroacetic acid (5589-96-8), 400 µg/mL
Bromodichloroacetic acid (71133-14-7), 400 µg/mL
Chlorodibromoacetic acid (5278-95-5), 1000 µg/mL
Dibromoacetic acid (631-64-1), 200 µg/mL
Dichloroacetic acid (79-43-6), 600 µg/mL
Monobromoacetic acid (79-08-3), 400 µg/mL
Monochloroacetic acid (79-11-8), 600 µg/mL
Tribromoacetic acid (75-96-7), 2000 µg/mL
Trichloroacetic acid (76-03-9), 200 µg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In methyl *tert*-butyl ether, 1 mL/ampul	Yes	6 months	24 months	Ambient	10 °C or colder	ea.	31646

Herbicide Lab Performance Check Mix (5 components)

Dinoseb methyl ether (6099-79-2), 4 µg/mL
4,4'-Dibromooctafluorobiphenyl (10386-84-2), 250 µg/mL
3,5-Dichlorobenzoic acid methyl ester (2905-67-1), 600 µg/mL
2,4-Dichlorophenyl acetic acid methyl ester (DCAA methyl ester) (55954-23-9), 500 µg/mL
4-Nitroanisole (100-17-4), 1600 µg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In methyl *tert*-butyl ether, 1 mL/ampul	Yes	6 months	44 months	Ambient	10 °C or colder	ea.	32063

Herbicide Mix #1 Free Acid Form (7 components)

2,4-D (94-75-7)
2,4-DB (94-82-6)
2,4,5-T (93-76-5)
2,4,5-TP (Silvex) (93-72-1)
Dicamba (1918-00-9)
Dichlorprop (120-36-5)
Dinoseb (88-85-7)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
200 µg/mL each in methanol, 1 mL/ampul	Yes	6 months	24 months	Ambient	10 °C or colder	ea.	32054

Herbicide Mix #1 Derivatized Form (7 components)

2,4-D methyl ester (1928-38-7)
2,4-DB methyl ester (18625-12-2)
2,4,5-T methyl ester (1928-37-6)
2,4,5-TP (Silvex) methyl ester (4841-20-7)
Dicamba methyl ester (6597-78-0)
Dichlorprop methyl ester (57153-17-0)
Dinoseb methyl ether (6099-79-2)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
200 µg/mL each in hexane, 1 mL/ampul	Yes	6 months	84 months	Ambient	10 °C or colder	ea.	32055

Herbicide Mix #3 Free Acid Form (2 components)

MCPA (94-74-6)
MCPP (Mecoprop) (93-65-2)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
20,000 µg/mL each in methanol, 1 mL/ampul	Yes	6 months	18 months	Ambient	10 °C or colder	ea.	32058

Herbicide Mix #3 Derivatized Form (2 components)

MCPA methyl ester (2436-73-9)
MCPP (Mecoprop) methyl ester (23844-56-6)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
20,000 µg/mL each in hexane, 1 mL/ampul	Yes	6 months	84 months	Ambient	10 °C or colder	ea.	32059

Herbicide Mix #4 Free Acid Form (8 components)

Acifluorfen (50594-66-6)
Bentazon (25057-89-0)
Chloramben (133-90-4)
DCPA diacid (tetrachloroterephthalic acid) (2136-79-0)
3,5-Dichlorobenzoic acid (51-36-5)
4-Nitrophenol (100-02-7)
Pentachlorophenol (87-86-5)
Picloram (1918-02-1)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
200 µg/mL each in methanol, 1 mL/ampul	Yes	6 months	18 months	Ambient	10 °C or colder	ea.	32061

Herbicide Mix #4 Derivatized Form (8 components)

Acifluorfen methyl ester (50594-67-7)
Bentazon methyl ester (61592-45-8)
Chloramben methyl ester (7286-84-2)
DCPA methyl ester (Chlorthal-dimethyl) (1861-32-1)
3,5-Dichlorobenzoic acid methyl ester (2905-67-1)
4-Nitroanisole (100-17-4)
Pentachloroanisole (1825-21-4)
Picloram methyl ester (14143-55-6)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
200 µg/mL each in hexane, 1 mL/ampul	Yes	6 months	84 months	Ambient	10 °C or colder	ea.	32062

Inter-Polar Column Test Mix (11 components)

(C7) *n*-Heptane (142-82-5), 1.25 mg/mL
(C8) *n*-Octane (111-65-9), 1.40 mg/mL
(C9) *n*-Nonane (111-84-2), 2.00 mg/mL
Acetone (67-64-1), 1.25 mg/mL
2-Butanone (MEK) (78-93-3), 1.25 mg/mL
Chlorobenzene (108-90-7), 2.00 mg/mL
1,2-Dichloropropane (78-87-5), 2.00 mg/mL
Methanol (67-56-1), 1.25 mg/mL
1-Propanol (71-23-8), 1.25 mg/mL
Pyridine (110-86-1), 1.40 mg/mL
Tetrachloroethylene (127-18-4), 3.25 mg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In methylene chloride, 1 mL/ampul	Yes	6 months	24 months	Ambient	10 °C or colder	ea.	35076

Internal Standard Mix, EPA 528 (2 components)

3-Nitro-*o*-xylene (83-41-0), 1000 µg/mL
2,3,4,5-Tetrachlorophenol (4901-51-3), 2000 µg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In methylene chloride, 1 mL/ampul	Yes	6 months	96 months	Ambient	10 °C or colder	ea.	31696

* Requirements for testing and analysis are outlined in Number 40 Code of Federal Regulations (CFR), Chapter 1, Part 141.40.

Internal Standard, Method 527 (3 components)

Acenaphthene-d10 (15067-26-2)
Chrysene-d12 (1719-03-5)
Phenanthrene-d10 (1517-22-2)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
500 µg/mL each in acetone, 1 mL/ampul	Yes	6 months	71 months	Ambient	10 °C or colder	ea.	33010

ISO-BB Column Test Mix (8 components)

(C13) *n*-Tridecane (629-50-5)
(C14) *n*-Tetradecane (629-59-4)
(C15) *n*-Pentadecane (629-62-9)
(C16) *n*-Hexadecane (544-76-3)
Benzylamine (100-46-9)
Biphenyl (92-52-4)
4-Chlorophenol (106-48-9)
1-Undecanol (112-42-5)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
250 µg/mL each in methylene chloride, 1 mL/ampul	Yes	3 months	12 months	Ambient	10 °C or colder	ea.	35290

ISO-C14-C20 Column Test Mix (5 components)

(C14) *n*-Tetradecane (629-59-4)
(C15) *n*-Pentadecane (629-62-9)
(C16) *n*-Hexadecane (544-76-3)
(C18) *n*-Octadecane (593-45-3)
(C20) *n*-Eicosane (112-95-8)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
400 µg/mL each in cyclohexane, 1 mL/ampul	Yes	6 months	85 months	Ambient	10 °C or colder	ea.	35006

Ketones Mix, 524.2 Rev. 4.1 (5 components)

Acetone (67-64-1)
2-Butanone (MEK) (78-93-3)
1,1-Dichloro-2-propanone (513-88-2)
2-Hexanone (591-78-6)
4-Methyl-2-pentanone (MIBK) (108-10-1)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
5000 µg/mL each in P&T methanol:water (90:10), 1 mL/ampul	Yes	6 months	39 months	Ambient	0 °C or colder	ea.	30602

Kovats Probes Test Mix C6-C9 (4 components)

(C6) *n*-Hexane (110-54-3)
(C7) *n*-Heptane (142-82-5)
(C8) *n*-Octane (111-65-9)
(C9) *n*-Nonane (111-84-2)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
1000 µg/mL each in methylene chloride, 1 mL/ampul	Yes	6 months	85 months	Ambient	10 °C or colder	ea.	35258

Kovats Probes Test Standard (4 components)

Benzene (71-43-2)
1-Butanol (71-36-3)
1-Nitropropane (108-03-2)
2-Pentanone (107-87-9)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
500 µg/mL each in methylene chloride, 1 mL/ampul	Yes	6 months	36 months	Ambient	10 °C or colder	ea.	35259

Kovats Test Mix #1 (8 components)

(C6) *n*-Hexane (110-54-3)
(C7) *n*-Heptane (142-82-5)
(C8) *n*-Octane (111-65-9)
(C9) *n*-Nonane (111-84-2)
Benzene (71-43-2)
1-Butanol (71-36-3)
1-Nitropropane (108-03-2)
2-Pentanone (107-87-9)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
250 µg/mL each in methylene chloride, 1 mL/ampul	Yes	6 months	36 months	Ambient	10 °C or colder	ea.	35269

Kovats Test Mix #2 (8 components)

(C7) *n*-Heptane (142-82-5)
(C8) *n*-Octane (111-65-9)
(C9) *n*-Nonane (111-84-2)
(C10) *n*-Decane (124-18-5)
Benzene (71-43-2)
1-Butanol (71-36-3)
1-Nitropropane (108-03-2)
2-Pentanone (107-87-9)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
250 µg/mL each in methylene chloride, 1 mL/ampul	Yes	6 months	36 months	Ambient	10 °C or colder	ea.	35270

Kovats Test Mix #3 (9 components)

(C9) *n*-Nonane (111-84-2)
(C10) *n*-Decane (124-18-5)
(C11) *n*-Undecane (1120-21-4)
(C12) *n*-Dodecane (112-40-3)
(C13) *n*-Tridecane (629-50-5)
Benzene (71-43-2)
1-Butanol (71-36-3)
1-Nitropropane (108-03-2)
2-Pentanone (107-87-9)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
250 µg/mL each in methylene chloride, 1 mL/ampul	Yes	6 months	36 months	Ambient	10 °C or colder	ea.	35271

L/C Aniline Mix A (3 components)

2-Nitroaniline (88-74-4)
3-Nitroaniline (99-09-2)
4-Nitroaniline (100-01-6)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in methylene chloride, 1 mL/ampul	Yes	6 months	26 months	Ambient	10 °C or colder	ea.	31210

Must be calibrated at a level different from the other listed semivolatile compounds.

L/C Pesticide Lab Control Sample (7 components)

γ-BHC (Lindane) (58-89-9), 10 µg/mL
trans-Chlordane (5103-74-2), 10 µg/mL
4,4'-DDE (72-55-9), 20 µg/mL
Dieldrin (60-57-1), 20 µg/mL
Endosulfan sulfate (1031-07-8), 20 µg/mL
Endrin (72-20-8), 20 µg/mL
Heptachlor epoxide (isomer B) (1024-57-3), 10 µg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In acetone, 1 mL/ampul	Yes	6 months	52 months	Ambient	10 °C or colder	ea.	32040

L/C VOA Internal Standard Mix (3 components)

Chlorobenzene-d5 (3114-55-4)
1,4-Dichlorobenzene-d4 (3855-82-1)
1,4-Difluorobenzene (540-36-3)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2500 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	59 months	Ambient	0 °C or colder	ea.	30091

LC Multiresidue Pesticide Kit

Cat.# 31972: LC Multiresidue Pesticide Standard #1 (13 components)
Organophosphorus Compounds
100 µg/mL each in acetonitrile, 1 mL/ampul
Acephate (30560-19-1)
Carbaryl (Sevin) (63-25-2)
Dicrotophos (141-66-2)
Dimethoate (60-51-5)
Dimethomorph (110488-70-5)
Isocarbophos (24353-61-5)
Methamidophos (10265-92-6)
Mevinphos (7786-34-7)
Monocrotophos (6923-22-4)
Omethoate (1113-02-6)
Temephos (Abate) (3383-96-8)
Trichlorfon (Dylox) (52-68-6)
Vamidothion (Vamidoate) (2275-23-2)

Cat.# 31973: LC Multiresidue Pesticide Standard #2 (16 components)
Carbamate/Uron Compounds
100 µg/mL each in acetonitrile, 1 mL/ampul
Alanycarb (83130-01-2)
Aldicarb (116-06-3)
Aldicarb sulfone (1646-88-4)
Aldicarb sulfoxide (1646-87-3)
Benfuracarb (82560-54-1)
Butocarboxim (34681-10-2)
Butoxycarboxim (34681-23-7)
Ethiofencarb (29973-13-5)
Furathiocarb (65907-30-4)
Methabenzthiazuron (18691-97-9)
Methiocarb (2032-65-7)
Methomyl (16752-77-5)
Oxamyl (23135-22-0)
Tebuthiuron (34014-18-1)
Thidiazuron (51707-55-2)
Thiophanate-methyl (23564-05-8)

Cat.# 31974: LC Multiresidue Pesticide Standard #3 (38 components)
Carbamate/Uron Compounds
100 µg/mL each in acetonitrile, 1 mL/ampul
Bendiocarb (22781-23-3)
Bifenazate (149877-41-8)
Carbofuran (1563-66-2)
Chlorfluazuron (71422-67-8)
Chloroxuron (1982-47-4)
Chlortoluron (15545-48-9)
Cycluron (2163-69-1)
Diethofencarb (87130-20-9)
Diflubenzuron (35367-38-5)
Dioxacarb (6988-21-2)
Diuron (330-54-1)
Fenobucarb (BPMC) (3766-81-2)
Fenoxycarb (72490-01-8)
Fenuron (101-42-8)
Flufenoxuron (101463-69-8)
Fluometuron (2164-17-2)
Forchlorfenuron (68157-60-8)
Hexaflumuron (86479-06-3)
3-Hydroxycarbofuran (16655-82-6)
Indoxacarb (173584-44-6)
Iprovalicarb (140923-17-7)
Isoprocarb (2631-40-5)
Isoproturon (34123-59-6)
Linuron (330-55-2)
Lufenuron (103055-07-8)
Metobromuron (3060-89-7)
Monolinuron (1746-81-2)
Neburon (555-37-3)
Novaluron (116714-46-6)
Pirimicarb (23103-98-2)
Promecarb (2631-37-0)
Propham (122-42-9)
Propoxur (Baygon) (114-26-1)
Pyraclostrobin (175013-18-0)
Siduron (1982-49-6)
Teflubenzuron (83121-18-0)
Thiobencarb (28249-77-6)
Triflumuron (64628-44-0)

Cat.# 31975: LC Multiresidue Pesticide Standard #4 (63 components)
Organonitrogen Compounds
100 µg/mL each in acetonitrile, 1 mL/ampul
Abamectin (71751-41-2)
Acetamiprid (135410-20-7)
Ametryn (834-12-8)
Amitraz (33089-61-1)
Azoxystrobin (131860-33-8)
Benalaxyl (71626-11-4)
Benzoximate (29104-30-1)
Boscalid (188425-85-6)
Butafenacil (134605-64-4)
Carbetamide (16118-49-3)
Carfentrazone ethyl (128639-02-1)
Chlorantraniliprole (500008-45-7)
Clofentezine (74115-24-5)
Cymoxanil (57966-95-7)
Cyprodinil (121552-61-2)
Cyromazine (66215-27-8)
Dimoxystrobin (149961-52-4)
Dinotefuran (165252-70-0)
Doramectin (117704-25-3)
Eprinomectin (123997-26-2)
Famoxadon (131807-57-3)
Fenazaquin (120928-09-8)
Fenhexamid (126833-17-8)
Fenpyroximate (111812-58-9)
Flonicamid (158062-67-0)
Fluazinam** (79622-59-6)
Fludioxonil (131341-86-1)
Fluoxastrobin (361377-29-9)
Flutolanil (66332-96-5)
Furalaxyl (57646-30-7)
Halofenozide (112226-61-6)
Imazalil (35554-44-0)
Imidacloprid (138261-41-3)
Ivermectin (70288-86-7)
Kresoxim methyl (143390-89-0)
Mandipropamid (374726-62-2)
Mepanipyrim (110235-47-7)
Mepronil (55814-41-0)
Metaflumizone (139968-49-3)
Metalaxyl (57837-19-1)
Methoxyfenozide (161050-58-4)
Moxidectin (113507-06-5)
Myclobutanil (88671-89-0)
Nitenpyram (120738-89-8)
Oxadixyl (77732-09-3)
Picoxystrobin (117428-22-5)
Piperonyl butoxide (51-03-6)
Prochloraz (67747-09-5)
Prometon (1610-18-0)
Pymetrozine (123312-89-0)
Pyracarbolid (24691-76-7)
Pyrimethanil (53112-28-0)
Pyriproxyfen (95737-68-1)
Quinoxyfen (124495-18-7)
Rotenone (83-79-4)
Secbumeton (26259-45-0)
Spiroxamine (118134-30-8)
Tebufenozide (112410-23-8)
Tebufenpyrad (119168-77-3)
Terbumeton (33693-04-8)
Triadimefon (43121-43-3)
Trifloxystrobin (141517-21-7)
Zoxamide (156052-68-5)

Cat.# 31976: LC Multiresidue Pesticide Standard #5 (30 components)
Organonitrogen Compounds
100 µg/mL each in acetonitrile, 1 mL/ampul
Acibenzolar-S-methyl (135158-54-2)
Bupirimate (41483-43-6)
Buprofezin (69327-76-0)
Carboxin (5234-68-4)
Clethodim (99129-21-2)
Clothianidin (210880-92-5)
Cyazofamid (120116-88-3)
Ethiprole (181587-01-9)
Ethofumesate (26225-79-6)
Fenamidone (161326-34-7)
Fipronil (120068-37-3)
Flubendiamide (272451-65-7)
Flufenacet (Fluthiamide) (142459-58-3)
Hexythiazox (78587-05-0)
Mefenacet (73250-68-7)
Mesotrione (104206-82-8)
Methoprotryne (841-06-5)
Metribuzin (21087-64-9)
Prometryne (7287-19-6)
Propargite (2312-35-8)
Prothioconazole (178928-70-6)
Pyridaben (96489-71-3)
Simetryn (1014-70-6)
Sulfentrazone (122836-35-5)
Terbutryn (886-50-0)
Thiabendazole (148-79-8)
Thiacloprid (111988-49-9)
Thiamethoxam (153719-23-4)
Thiofanox (39196-18-4)
Tricyclazole (Beam) (41814-78-2)

Cat.# 31977: LC Multiresidue Pesticide Standard #6 (28 components)
Organonitrogen Compounds
100 µg/mL each in acetonitrile, 1 mL/ampul
Baycor (Bitertanol) (55179-31-2)
Bromuconazole (116255-48-2)
Cyproconazole (94361-06-5)
Diclobutrazol (75736-33-3)
Difenoconazole (119446-68-3)
Diniconazole (83657-24-3)
Epoxiconazole (133855-98-8)
Etaconazole (60207-93-4)
Ethirimol (23947-60-6)
Etoxazole (153233-91-1)
Fenarimol (60168-88-9)
Fenbuconazole (114369-43-6)
Fluquinconazole (136426-54-5)
Flusilazole (85509-19-9)
Flutriafol (76674-21-0)
Fuberidazole (3878-19-1)
Hexaconazole (79983-71-4)
Ipconazole (125225-28-7)
Metconazole (125116-23-6)
Nuarimol (63284-71-9)
Paclobutrazol (76738-62-0)
Penconazole (66246-88-6)
Propiconazole (Tilt) (60207-90-1)
Tebuconazole (107534-96-3)
Tetraconazole (112281-77-3)
Triadimenol (55219-65-3)
Triflumizole (68694-11-1)
Triticonazole (131983-72-7)

Cat.# 31978: LC Multiresidue Pesticide Standard #7 (7 components)
Organonitrogen Compounds
100 µg/mL each in acetonitrile, 1 mL/ampul
Emamectin-benzoate (155569-91-8)
Fenpropimorph (67564-91-4)
Spirodiclofen (148477-71-8)
Spinosad (168316-95-8)
Spirotetramat (203313-25-1)
Spinetoram (J&L) (935545-74-7)
Spiromesifen (283594-90-1)

Cat.# 31979: LC Multiresidue Pesticide Standard #8
Organonitrogen Compounds
100 µg/mL each in acetonitrile, 1 mL/ampul
Hydramethylnon (67485-29-4)

Cat.# 31980: LC Multiresidue Pesticide Standard #9 (7 components)
Carbamate/Uron Compounds
100 µg/mL each in acetonitrile, 1 mL/ampul
Aminocarb (2032-59-9)
Desmedipham (13684-56-5)
Formetanate HCL (23422-53-9)
Mexacarbate (Zectran) (315-18-4)
Monceren (Pencycuron) (66063-05-6)
Phenmedipham (13684-63-4)
Propamocarb free base (24579-73-5)

Cat.# 31981: LC Multiresidue Pesticide Standard #10
Carbamate/Uron Compounds
100 µg/mL each in methanol, 1 mL/ampul
Carbendazim (10605-21-7)

Description	CRM?	Min Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
LC Multiresidue Pesticide Kit	Yes	6 months	On Ice	–20 °C or colder	kit	31971

* Note: When combining a large number of compounds with different chemical functionalities, mix stability can be an issue. In formulating these standards, we extensively studied the 204 compounds involved, then grouped them into as few mixes as possible while still ensuring maximum long-term stability and reliability. For quantitative analysis, we recommend analyzing each mix separately to ensure accurate results for every compound.
** Note: In this standard, fluazinam should only be used for qualitative analysis. A single-component standard (cat.# 31982) is available for quantitative analysis.

LC Multiresidue Pesticide Standard #1 Organophosphorus Compounds (13 components)

Acephate (30560-19-1)
Carbaryl (Sevin) (63-25-2)
Dicrotophos (141-66-2)
Dimethoate (60-51-5)
Dimethomorph (110488-70-5)
Isocarbophos (24353-61-5)
Methamidophos (10265-92-6)
Mevinphos (7786-34-7)
Monocrotophos (6923-22-4)
Omethoate (1113-02-6)
Temephos (Abate) (3383-96-8)
Trichlorfon (Dylox) (52-68-6)
Vamidothion (Vamidoate) (2275-23-2)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
100 µg/mL each in acetonitrile, 1 mL/ampul	Yes	6 months	18 months	Ambient	10 °C or colder	ea.	31972

* Note: When combining a large number of compounds with different chemical functionalities, mix stability can be an issue. In formulating these standards, we extensively studied the 204 compounds involved, and then grouped them into as few mixes as possible while still ensuring maximum long-term stability and reliability. For quantitative analysis, we recommend analyzing each mix separately to ensure accurate results for every compound.

LC Multiresidue Pesticide Standard #2 Carbamate/Uron Compounds (16 components)

Alanycarb (83130-01-2)
Aldicarb (116-06-3)
Aldicarb sulfone (1646-88-4)
Aldicarb sulfoxide (1646-87-3)
Benfuracarb (82560-54-1)
Butocarboxim (34681-10-2)
Butoxycarboxim (34681-23-7)
Ethiofencarb (29973-13-5)
Furathiocarb (65907-30-4)
Methabenzthiazuron (18691-97-9)
Methiocarb (2032-65-7)
Methomyl (16752-77-5)
Oxamyl (23135-22-0)
Tebuthiuron (34014-18-1)
Thidiazuron (51707-55-2)
Thiophanate-methyl (23564-05-8)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
100 µg/mL each in acetonitrile, 1 mL/ampul	Yes	6 months	9 months	Ambient	10 °C or colder	ea.	*31973*

* Note: When combining a large number of compounds with different chemical functionalities, mix stability can be an issue. In formulating these standards, we extensively studied the 204 compounds involved, and then grouped them into as few mixes as possible while still ensuring maximum long-term stability and reliability. For quantitative analysis, we recommend analyzing each mix separately to ensure accurate results for every compound.

LC Multiresidue Pesticide Standard #3 Carbamate/Uron Compounds (38 components)

Bendiocarb (22781-23-3)
Bifenazate (149877-41-8)
Carbofuran (1563-66-2)
Chlorfluazuron (71422-67-8)
Chloroxuron (1982-47-4)
Chlortoluron (15545-48-9)
Cycluron (2163-69-1)
Diethofencarb (87130-20-9)
Diflubenzuron (35367-38-5)
Dioxacarb (6988-21-2)
Diuron (330-54-1)
Fenobucarb (BPMC) (3766-81-2)
Fenoxycarb (72490-01-8)
Fenuron (101-42-8)
Flufenoxuron (101463-69-8)
Fluometuron (2164-17-2)
Forchlorfenuron (68157-60-8)
Hexaflumuron (86479-06-3)
3-Hydroxycarbofuran (16655-82-6)
Indoxacarb (173584-44-6)
Iprovalicarb (140923-17-7)
Isoprocarb (2631-40-5)
Isoproturon (34123-59-6)
Linuron (330-55-2)
Lufenuron (103055-07-8)
Metobromuron (3060-89-7)
Monolinuron (1746-81-2)
Neburon (555-37-3)
Novaluron (116714-46-6)
Pirimicarb (23103-98-2)
Promecarb (2631-37-0)
Propham (122-42-9)
Propoxur (Baygon) (114-26-1)
Pyraclostrobin (175013-18-0)
Siduron (1982-49-6)
Teflubenzuron (83121-18-0)
Thiobencarb (28249-77-6)
Triflumuron (64628-44-0)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
100 µg/mL each in acetonitrile, 1 mL/ampul	Yes	6 months	18 months	Ambient	–20 °C or colder	ea.	*31974*

* Note: When combining a large number of compounds with different chemical functionalities, mix stability can be an issue. In formulating these standards, we extensively studied the 204 compounds involved, and then grouped them into as few mixes as possible while still ensuring maximum long-term stability and reliability. For quantitative analysis, we recommend analyzing each mix separately to ensure accurate results for every compound.

LC Multiresidue Pesticide Standard #4 Organonitrogen Compounds (63 components)

Abamectin (71751-41-2)
Acetamiprid (135410-20-7)
Ametryn (834-12-8)
Amitraz (33089-61-1)
Azoxystrobin (131860-33-8)
Benalaxyl (71626-11-4)
Benzoximate (29104-30-1)
Boscalid (188425-85-6)
Butafenacil (134605-64-4)
Carbetamide (16118-49-3)
Carfentrazone ethyl (128639-02-1)
Chlorantraniliprole (500008-45-7)
Clofentezine (74115-24-5)
Cymoxanil (57966-95-7)
Cyprodinil (121552-61-2)
Cyromazine (66215-27-8)
Dimoxystrobin (149961-52-4)
Dinotefuran (165252-70-0)
Doramectin (117704-25-3)
Eprinomectin (123997-26-2)
Famoxadon (131807-57-3)
Fenazaquin (120928-09-8)
Fenhexamid (126833-17-8)
Fenpyroximate (111812-58-9)
Flonicamid (158062-67-0)
Fluazinam** (79622-59-6)
Fludioxonil (131341-86-1)
Fluoxastrobin (361377-29-9)
Flutolanil (66332-96-5)
Furalaxyl (57646-30-7)
Halofenozide (112226-61-6)
Imazalil (35554-44-0)
Imidacloprid (138261-41-3)
Ivermectin (70288-86-7)
Kresoxim methyl (143390-89-0)
Mandipropamid (374726-62-2)
Mepanipyrim (110235-47-7)
Mepronil (55814-41-0)
Metaflumizone (139968-49-3)
Metalaxyl (57837-19-1)
Methoxyfenozide (161050-58-4)
Moxidectin (113507-06-5)
Myclobutanil (88671-89-0)
Nitenpyram (120738-89-8)
Oxadixyl (77732-09-3)
Picoxystrobin (117428-22-5)
Piperonyl butoxide (51-03-6)
Prochloraz (67747-09-5)
Prometon (1610-18-0)
Pymetrozine (123312-89-0)
Pyracarbolid (24691-76-7)
Pyrimethanil (53112-28-0)
Pyriproxyfen (95737-68-1)
Quinoxyfen (124495-18-7)
Rotenone (83-79-4)
Secbumeton (26259-45-0)
Spiroxamine (118134-30-8)
Tebufenozide (112410-23-8)
Tebufenpyrad (119168-77-3)
Terbumeton (33693-04-8)
Triadimefon (43121-43-3)
Trifloxystrobin (141517-21-7)
Zoxamide (156052-68-5)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
100 µg/mL each in acetonitrile, 1 mL/ampul	Yes	3 months	12 months	On Ice	–20 °C or colder	ea.	*31975*

* Note: When combining a large number of compounds with different chemical functionalities, mix stability can be an issue. In formulating these standards, we extensively studied the 204 compounds involved, and then grouped them into as few mixes as possible while still ensuring maximum long-term stability and reliability. For quantitative analysis, we recommend analyzing each mix separately to ensure accurate results for every compound.

** Note: In this standard, fluazinam should only be used for qualitative analysis. A single-component standard (cat.# 31982) is available for quantitative analysis.

LC Multiresidue Pesticide Standard #5 Organonitrogen Compounds (30 components)

Acibenzolar-S-methyl (135158-54-2)
Bupirimate (41483-43-6)
Buprofezin (69327-76-0)
Carboxin (5234-68-4)
Clethodim (99129-21-2)
Clothianidin (210880-92-5)
Cyazofamid (120116-88-3)
Ethiprole (181587-01-9)
Ethofumesate (26225-79-6)
Fenamidone (161326-34-7)
Fipronil (120068-37-3)
Flubendiamide (272451-65-7)
Flufenacet (Fluthiamide) (142459-58-3)
Hexythiazox (78587-05-0)
Mefenacet (73250-68-7)
Mesotrione (104206-82-8)
Methoprotryne (841-06-5)
Metribuzin (21087-64-9)
Prometryne (7287-19-6)
Propargite (2312-35-8)
Prothioconazole (178928-70-6)
Pyridaben (96489-71-3)
Simetryn (1014-70-6)
Sulfentrazone (122836-35-5)
Terbutryn (886-50-0)
Thiabendazole (148-79-8)
Thiacloprid (111988-49-9)
Thiamethoxam (153719-23-4)
Thiofanox (39196-18-4)
Tricyclazole (Beam) (41814-78-2)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
100 µg/mL each in acetonitrile, 1 mL/ampul	Yes	3 months	12 months	Ambient	10 °C or colder	ea.	31976

* Note: When combining a large number of compounds with different chemical functionalities, mix stability can be an issue. In formulating these standards, we extensively studied the 204 compounds involved, and then grouped them into as few mixes as possible while still ensuring maximum long-term stability and reliability. For quantitative analysis, we recommend analyzing each mix separately to ensure accurate results for every compound.

LC Multiresidue Pesticide Standard #6 Organonitrogen Compounds (28 components)

Baycor (Bitertanol) (55179-31-2)
Bromuconazole (116255-48-2)
Cyproconazole (94361-06-5)
Diclobutrazol (75736-33-3)
Difenoconazole (119446-68-3)
Diniconazole (83657-24-3)
Epoxiconazole (133855-98-8)
Etaconazole (60207-93-4)
Ethirimol (23947-60-6)
Etoxazole (153233-91-1)
Fenarimol (60168-88-9)
Fenbuconazole (114369-43-6)
Fluquinconazole (136426-54-5)
Flusilazole (85509-19-9)
Flutriafol (76674-21-0)
Fuberidazole (3878-19-1)
Hexaconazole (79983-71-4)
Ipconazole (125225-28-7)
Metconazole (125116-23-6)
Nuarimol (63284-71-9)
Paclobutrazol (76738-62-0)
Penconazole (66246-88-6)
Propiconazole (Tilt) (60207-90-1)
Tebuconazole (107534-96-3)
Tetraconazole (112281-77-3)
Triadimenol (55219-65-3)
Triflumizole (68694-11-1)
Triticonazole (131983-72-7)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
100 µg/mL each in acetonitrile, 1 mL/ampul	Yes	6 months	18 months	Ambient	10 °C or colder	ea.	31977

* Note: When combining a large number of compounds with different chemical functionalities, mix stability can be an issue. In formulating these standards, we extensively studied the 204 compounds involved, and then grouped them into as few mixes as possible while still ensuring maximum long-term stability and reliability. For quantitative analysis, we recommend analyzing each mix separately to ensure accurate results for every compound.

LC Multiresidue Pesticide Standard #7 Organonitrogen Compounds (7 components)

Emamectin-benzoate (155569-91-8)
Fenpropimorph (67564-91-4)
Spirodiclofen (148477-71-8)
Spinosad (168316-95-8)
Spirotetramat (203313-25-1)
Spinetoram (J&L) (935545-74-7)
Spiromesifen (283594-90-1)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
100 µg/mL each in acetonitrile, 1 mL/ampul	Yes	6 months	18 months	Ambient	–20 °C or colder	ea.	31978

* Note: When combining a large number of compounds with different chemical functionalities, mix stability can be an issue. In formulating these standards, we extensively studied the 204 compounds involved, and then grouped them into as few mixes as possible while still ensuring maximum long-term stability and reliability. For quantitative analysis, we recommend analyzing each mix separately to ensure accurate results for every compound.

LC Multiresidue Pesticide Standard #9 Carbamate/Uron Compounds (7 components)

Aminocarb (2032-59-9)
Desmedipham (13684-56-5)
Formetanate HCL (23422-53-9)
Mexacarbate (Zectran) (315-18-4)
Monceren (Pencycuron) (66063-05-6)
Phenmedipham (13684-63-4)
Propamocarb free base (24579-73-5)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
100 µg/mL each in acetonitrile, 1 mL/ampul	Yes	6 months	9 months	Ambient	10 °C or colder	ea.	31980

* Note: When combining a large number of compounds with different chemical functionalities, mix stability can be an issue. In formulating these standards, we extensively studied the 204 compounds involved, and then grouped them into as few mixes as possible while still ensuring maximum long-term stability and reliability. For quantitative analysis, we recommend analyzing each mix separately to ensure accurate results for every compound.

LC Normal Phase Test Mix #1 (4 components)

Benzene (71-43-2), 1.00 mg/mL
Benzaldehyde (100-52-7), 0.04 mg/mL
Benzyl alcohol (100-51-6), 3.00 mg/mL
4-Methoxybenzyl alcohol (105-13-5), 2.00 mg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In hexane, 1 mL/ampul	Yes	6 months	18 months	Ambient	10 °C or colder	ea.	35004

LC OQ Linearity Test Mix Kit

1 mL each of these mixtures.

31804: Caffeine
caffeine (58-08-2), 5µg/mL in water

31803: Caffeine
caffeine (58-08-2), 25µg/mL in water

31802: Caffeine
caffeine (58-08-2), 125µg/mL in water

31801: Caffeine
caffeine (58-08-2), 250µg/mL in water

31800: Caffeine
caffeine (58-08-2), 500µg/mL in water

Description	CRM?	Min Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
LC OQ Linearity Test Mix Kit	Yes	6 months	Ambient	10 °C or colder	No	kit	31805

LC OQ Standards Kit

30012: LC OQ Gradient Standard, 1 mL
Acetone (67-64-1)

31053: LC OQ Wavelength Accuracy Standard , 5 mL
Erbium perchlorate (14017-55-1)

31068: LC OQ Linearity Kit*
31054: Methanol, neat, 1 mL/ampul
31055: Ethyl paraben and propyl paraben, 5 µg/mL each in methanol, 1 mL/ampul
31056: Ethyl paraben and propyl paraben, 10 µg/mL each in methanol, 1 mL/ampul
31057: Ethyl paraben and propyl paraben, 15 µg/mL each in methanol, 1 mL/ampul
31058: Ethyl paraben and propyl paraben, 20 µg/mL each in methanol, 1 mL/ampul
31059: Ethyl paraben and propyl paraben, 25 µg/mL each in methanol, 1 mL/ampul

*Components of the LC linearity kit (cat.# 31068) are not available for individual sale.

To access certificate and SDS documentation for individual reference standards, visit www.restek.com/documentation

Description	CRM?	Min Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
LC OQ Standards Kit	Yes	6 months	Ambient	10 °C or colder	No	kit	31069

LC Performance Test Mix (5 components)

Amitriptyline hydrochloride (549-18-8), 2800 µg/mL
Ethylbenzene (100-41-4), 1700 µg/mL
Quinizarin (81-64-1), 94 µg/mL
Toluene (108-88-3), 1400 µg/mL
Uracil (66-22-8), 28 µg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In methanol, 1 mL/ampul	Yes	6 months	18 months	Ambient	10 °C or colder	ea.	31699

LC Reversed Phase Test Mix #1 (4 components)

Benzene (71-43-2), 3.00 mg/mL
Biphenyl (92-52-4), 0.06 mg/mL
Naphthalene (91-20-3), 0.50 mg/mL
Uracil (66-22-8), 0.02 mg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In methanol:water (75:25), 1 mL/ampul	Yes	6 months	18 months	Ambient	10 °C or colder	ea.	35005

Leaking Underground Storage Tank Retention Time Standard (7 components)

(C6) *n*-Hexane (110-54-3)
(C10) *n*-Decane (124-18-5)
(C12) *n*-Dodecane (112-40-3)
(C24) *n*-Tetracosane (646-31-1)
(C28) *n*-Octacosane (630-02-4)
(C30) *n*-Triacontane (638-68-6)
(C40) *n*-Tetracontane (4181-95-7)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
25 µg/mL each in methylene chloride, 1 mL/ampul	Yes	6 months	85 months	Ambient	25 °C nominal	ea.	31200

MA EPH Aliphatic Hydrocarbon Standard (14 components)

(C9) *n*-Nonane (111-84-2)
(C10) *n*-Decane (124-18-5)
(C12) *n*-Dodecane (112-40-3)
(C14) *n*-Tetradecane (629-59-4)
(C16) *n*-Hexadecane (544-76-3)
(C18) *n*-Octadecane (593-45-3)
(C19) *n*-Nonadecane (629-92-5)
(C20) *n*-Eicosane (112-95-8)
(C22) *n*-Docosane (629-97-0)
(C24) *n*-Tetracosane (646-31-1)
(C26) *n*-Hexacosane (630-01-3)
(C28) *n*-Octacosane (630-02-4)
(C30) *n*-Triacontane (638-68-6)
(C36) *n*-Hexatriacontane (630-06-8)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
1000 µg/mL each in hexane, 1 mL/ampul	Yes	6 months	85 months	Ambient	25 °C nominal	ea.	31459

MA EPH Aromatic Hydrocarbon Standard (17 components)

Acenaphthene (83-32-9)
Acenaphthylene (208-96-8)
Anthracene (120-12-7)
Benz[a]anthracene (56-55-3)
Benzo[a]pyrene (50-32-8)
Benzo[b]fluoranthene (205-99-2)
Benzo[k]fluoranthene (207-08-9)
Benzo[g,h,i]perylene (191-24-2)
Chrysene (218-01-9)
Dibenz[a,h]anthracene (53-70-3)
Fluoranthene (206-44-0)
Fluorene (86-73-7)
Indeno[1,2,3-cd]pyrene (193-39-5)
2-Methylnaphthalene (91-57-6)
Naphthalene (91-20-3)
Phenanthrene (85-01-8)
Pyrene (129-00-0)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
1000 µg/mL each in methylene chloride, 1 mL/ampul	Yes	6 months	71 months	Ambient	25 °C nominal	ea.	31458

MA EPH Matrix Spike Mix (10 components)

(C9) *n*-Nonane (111-84-2)
(C14) *n*-Tetradecane (629-59-4)
(C19) *n*-Nonadecane (629-92-5)
(C20) *n*-Eicosane (112-95-8)
(C28) *n*-Octacosane (630-02-4)
Acenaphthene (83-32-9)
Anthracene (120-12-7)
Chrysene (218-01-9)
Naphthalene (91-20-3)
Pyrene (129-00-0)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
250 µg/mL each in acetone, 1 mL/ampul	Yes	6 months	85 months	Ambient	25 °C nominal	ea.	31460

MA EPH Surrogate Spike Mix (2 components)

1-Chlorooctadecane (3386-33-2)
o-Terphenyl (84-15-1)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
4000 µg/mL each in acetone, 1 mL/ampul	Yes	6 months	85 months	Ambient	10 °C or colder	ea.	31479

MA Fractionation Check Mix (31 components)

PAHs:
Acenaphthene (83-32-9)
Acenaphthylene (208-96-8)
Anthracene (120-12-7)
Benz[a]anthracene (56-55-3)
Benzo[a]pyrene (50-32-8)
Benzo[b]fluoranthene (205-99-2)
Benzo[k]fluoranthene (207-08-9)
Benzo[g,h,i]perylene (191-24-2)
Chrysene (218-01-9)
Dibenz[a,h]anthracene (53-70-3)
Fluoranthene (206-44-0)
Fluorene (86-73-7)
Indeno[1,2,3-cd]pyrene (193-39-5)
2-Methylnaphthalene (91-57-6)
Naphthalene (91-20-3)
Phenanthrene (85-01-8)
Pyrene (129-00-0)

Hydrocarbons:
(C9) *n*-Nonane (111-84-2)
(C10) *n*-Decane (124-18-5)
(C12) *n*-Dodecane (112-40-3)
(C14) *n*-Tetradecane (629-59-4)
(C16) *n*-Hexadecane (544-76-3)
(C18) *n*-Octadecane (593-45-3)
(C19) *n*-Nonadecane (629-92-5)
(C20) *n*-Eicosane (112-95-8)
(C22) *n*-Docosane (629-97-0)
(C24) *n*-Tetracosane (646-31-1)
(C26) *n*-Hexacosane (630-01-3)
(C28) *n*-Octacosane (630-02-4)
(C30) *n*-Triacontane (638-68-6)
(C36) *n*-Hexatriacontane (630-06-8)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
25 µg/mL each in hexane, 1 mL/ampul	Yes	6 months	85 months	Ambient	25 °C nominal	ea.	31481

MA Fractionation Surrogate Spike Mix (2 components)

2-Bromonaphthalene (580-13-2)
2-Fluorobiphenyl (321-60-8)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
4000 µg/mL each in hexane, 1 mL/ampul	Yes	6 months	71 months	Ambient	10 °C or colder	ea.	31480

MA Volatile Petroleum Hydrocarbon (VPH) Standard (13 components)

(C5) *n*-Pentane (109-66-0), 1000 µg/mL
(C9) *n*-Nonane (111-84-2), 1000 µg/mL
Benzene (71-43-2), 500 µg/mL
Ethylbenzene (100-41-4), 500 µg/mL
2-Methylpentane (107-83-5), 1500 µg/mL
Methyl *tert*-butyl ether (MTBE) (1634-04-4), 1500 µg/mL
Naphthalene (91-20-3), 1000 µg/mL
Toluene (108-88-3), 1500 µg/mL
1,2,4-Trimethylbenzene (95-63-6), 1000 µg/mL
2,2,4-Trimethylpentane (isooctane) (540-84-1), 1500 µg/mL
m-Xylene (108-38-3), 1000 µg/mL
o-Xylene (95-47-6), 1000 µg/mL
p-Xylene (106-42-3), 1000 µg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In P&T methanol, 1 mL/ampul	Yes	6 months	85 months	Ambient	0 °C or colder	ea.	30434

MA VPH Matrix Spike Mix with Surrogate (14 components)

(C5) *n*-Pentane (109-66-0)
(C9) *n*-Nonane (111-84-2)
Benzene (71-43-2)
2,5-Dibromotoluene (SS) (615-59-8)
Ethylbenzene (100-41-4)
2-Methylpentane (107-83-5)
Methyl *tert*-butyl ether (MTBE) (1634-04-4)
Naphthalene (91-20-3)
Toluene (108-88-3)
1,2,4-Trimethylbenzene (95-63-6)
2,2,4-Trimethylpentane (isooctane) (540-84-1)
m-Xylene (108-38-3)
o-Xylene (95-47-6)
p-Xylene (106-42-3)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2500 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	85 months	Ambient	0 °C or colder	ea.	30454

MA VPH Matrix Spike Mix with Surrogate Rev. 1.1 (July 2004) (16 components)

(C5) *n*-Pentane (109-66-0)
(C9) *n*-Nonane (111-84-2)
(C10) *n*-Decane (124-18-5)
Benzene (71-43-2)
n-Butylcyclohexane (1678-93-9)
2,5-Dibromotoluene (SS) (615-59-8)
Ethylbenzene (100-41-4)
2-Methylpentane (107-83-5)
Methyl *tert*-butyl ether (MTBE) (1634-04-4)
Naphthalene (91-20-3)
Toluene (108-88-3)
1,2,4-Trimethylbenzene (95-63-6)
2,2,4-Trimethylpentane (isooctane) (540-84-1)
m-Xylene (108-38-3)
o-Xylene (95-47-6)
p-Xylene (106-42-3)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
50 µg/mL in P&T methanol, 1 mL/ampul	Yes	6 months	60 months	Ambient	0 °C or colder	ea.	30605

MA VPH Standard with Surrogate (14 components)

(C5) *n*-Pentane (109-66-0), 1000 µg/mL
(C9) *n*-Nonane (111-84-2), 1000 µg/mL
Benzene (71-43-2), 500 µg/mL
2,5-Dibromotoluene (SS) (615-59-8), 1000 µg/mL
Ethylbenzene (100-41-4), 500 µg/mL
2-Methylpentane (107-83-5), 1500 µg/mL
Methyl *tert*-butyl ether (MTBE) (1634-04-4), 1500 µg/mL
Naphthalene (91-20-3), 1000 µg/mL
Toluene (108-88-3), 1500 µg/mL
1,2,4-Trimethylbenzene (95-63-6), 1000 µg/mL
2,2,4-Trimethylpentane (isooctane) (540-84-1), 1500 µg/mL
m-Xylene (108-38-3), 1000 µg/mL
o-Xylene (95-47-6), 1000 µg/mL
p-Xylene (106-42-3), 1000 µg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In P&T methanol, 1 mL/ampul	Yes	6 months	85 months	Ambient	0 °C or colder	ea.	30452

MA VPH Standard with Surrogate Rev. 1.1 (July 2004) (16 components)

(C5) *n*-Pentane (109-66-0)
(C9) *n*-Nonane (111-84-2)
(C10) *n*-Decane (124-18-5)
Benzene (71-43-2)
n-Butylcyclohexane (1678-93-9)
2,5-Dibromotoluene (SS) (615-59-8)
Ethylbenzene (100-41-4)
2-Methylpentane (107-83-5)
Methyl *tert*-butyl ether (MTBE) (1634-04-4)
Naphthalene (91-20-3)
Toluene (108-88-3)
1,2,4-Trimethylbenzene (95-63-6)
2,2,4-Trimethylpentane (isooctane) (540-84-1)
m-Xylene (108-38-3)
o-Xylene (95-47-6)
p-Xylene (106-42-3)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
10,000 µg/mL in P&T methanol, 1 mL/ampul	Yes	6 months	85 months	Ambient	0 °C or colder	ea.	30604

Marine Oil FAME Mix (20 components)

Chain, Compound (CAS#), % by Weight
C14:0 Methyl myristate (124-10-7), 6%
C14:1 Methyl myristoleate (56219-06-8), 1%
C16:0 Methyl palmitate (112-39-0), 16%
C16:1 Methyl palmitoleate (1120-25-8), 5%
C18:0 Methyl stearate (112-61-8), 8%
C18:1 Methyl oleate (112-62-9), 13%
C18:1 Methyl vaccenate (1937-63-9), 4%
C18:2 Methyl linoleate (112-63-0), 2%
C18:3 Methyl linolenate (301-00-8), 2%
C20:0 Methyl arachidate (1120-28-1), 1%
C20:1 Methyl 11-eicosenoate (2390-09-2), 9%
C20:2 Methyl 11,14-eicosadienoate (2463-02-7), 1%
C20:4 Methyl arachidonate (2566-89-4), 3%
C20:3 Methyl 11,14,17-eicosatrienoate (55682-88-7), 1%
C20:5 Methyl eicosapentaenoate (2734-47-6), 10%
C22:0 Methyl behenate (929-77-1), 1%
C22:1 Methyl erucate (1120-34-9), 3%
C22:6 Methyl docosahexaenoate (301-01-9), 12%
C24:0 Methyl lignocerate (2442-49-1), 1%
C24:1 Methyl nervonate (2733-88-2), 1%

CRM?	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
No	Ambient	0 °C or colder	No	100 mg	35066

Marine Oil Test Mix (20 components)

C14:0 Methyl myristate (124-10-7), 600 µg/mL
C14:1 Methyl myristoleate (56219-06-8), 100 µg/mL
C16:0 Methyl palmitate (112-39-0), 1600 µg/mL
C16:1 Methyl palmitoleate (1120-25-8), 500 µg/mL
C18:0 Methyl stearate (112-61-8), 800 µg/mL
C18:1 Methyl oleate (112-62-9), 1300 µg/mL
C18:1 Methyl vaccenate, 400 µg/mL
C18:2 Methyl linoleate (112-63-0), 200 µg/mL
C18:3 Methyl linolenate (301-00-8), 200 µg/mL
C20:0 Methyl arachidate (1120-28-1), 100 µg/mL
C20:1 Methyl 11-eicosenoate, 900 µg/mL
C20:2 Methyl 11-14-eicosadienoate, 100 µg/mL
C20:4 Methyl arachidonate (2566-89-4), 300 µg/mL
C20:3 Methyl 11-14-17eicosatrienoate, 100 µg/mL
C20:5 Methyl eicosapentaenoate (2734-47-6), 1000 µg/mL
C22:0 Methyl behenate (929-77-1), 100 µg/mL
C22:1 Methyl erucate (1120-34-9), 300 µg/mL
C22:6 Methyl docosahexaenoate (301-01-9), 1200 µg/mL
C24:0 Methyl lignocerate (242-49-1), 100 µg/mL
C24:1 Methyl nervonate (2733-88-2), 100 µg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In methylene chloride, 0.5 mL/ampul	No	6 months	18 months	Ambient	0 °C or colder	ea.	35249

Method 1664 Oil & Grease Mix (2 components)

(C16) *n*-Hexadecane (544-76-3)
Stearic acid (57-11-4)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
4000 µg/mL each in acetone, 5 mL/ampul	Yes	6 months	48 months	Ambient	10 °C or colder	ea.	31457

Method 1664 Oil & Grease Standard (2 components)

(C16) *n*-Hexadecane (544-76-3)
Stearic acid (57-11-4)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in acetone, 10 mL/ampul	Yes	6 months	48 months	Ambient	10 °C or colder	ea.	31954

Method 525.2 GC-MS Performance Check Mix (3 components)

4,4'-DDT (50-29-3)
DFTPP (decafluorotriphenylphosphine) (5074-71-5)
Endrin (72-20-8)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
1000 µg/mL each in acetone, 1 mL/ampul	Yes	6 months	36 months	Ambient	10 °C or colder	ea.	31827

Method 525.2 Internal Standard Mix (3 components)

Acenaphthene-d10 (15067-26-2)
Chrysene-d12 (1719-03-5)
Phenanthrene-d10 (1517-22-2)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
1000 µg/mL each in acetone, 1 mL/ampul	Yes	6 months	36 months	Ambient	10 °C or colder	ea.	31825

Method 525.2 Nitrogen/Phosphorus Pesticide Mix #2 (6 components)

Carboxin (5234-68-4)
Diazinon (333-41-5)
Disulfoton (298-04-4)
Fenamiphos (22224-92-6)
Merphos (150-50-5)
Terbufos (13071-79-9)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
1000 µg/mL each in acetone, 1 mL/ampul	Yes	6 months	24 months	Ambient	10 °C or colder	ea.	32423

Method 525.2 PCB Congener Mix (8 components)

2-Chlorobiphenyl (BZ #1) (2051-60-7)
2,3-Dichlorobiphenyl (BZ #5) (16605-91-7)
2,4,5-Trichlorobiphenyl (BZ #29) (15862-07-4)
2,2',4,4'-Tetrachlorobiphenyl (BZ #47) (2437-79-8)
2,2',3',4,6-Pentachlorobiphenyl (BZ #98) (60233-25-2)
2,2',4,4',5,6'-Hexachlorobiphenyl (BZ #154) (60145-22-4)
2,2',3,3',4,4',6-Heptachlorobiphenyl (BZ #171) (52663-71-5)
2,2',3,3',4,5',6,6'-Octachlorobiphenyl (BZ #200) (40186-71-8)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
200 µg/mL each in acetone, 1 mL/ampul	Yes	6 months	75 months	Ambient	25 °C nominal	ea.	32420

Method 525.2 Semivolatile Mix (revised) (28 components)

Acenaphthylene (208-96-8)
Anthracene (120-12-7)
Benz[a]anthracene (56-55-3)
Benzo[a]pyrene (50-32-8)
Benzo[b]fluoranthene (205-99-2)
Benzo[g,h,i]perylene (191-24-2)
Benzo[k]fluoranthene (207-08-9)
Benzyl butyl phthalate (85-68-7)
Bis(2-ethylhexyl)adipate (103-23-1)
Bis(2-ethylhexyl)phthalate (117-81-7)
Chrysene (218-01-9)
Dibenz[a,h]anthracene (53-70-3)
Diethylphthalate (84-66-2)
Dimethylphthalate (131-11-3)
Di-*n*-butylphthalate (84-74-2)
2,4-Dinitrotoluene (121-14-2)
2,6-Dinitrotoluene (606-20-2)
Di-*n*-octyl phthalate (117-84-0)
Fluoranthene (206-44-0)
Fluorene (86-73-7)
Hexachlorobenzene (118-74-1)
Hexachlorocyclopentadiene (77-47-4)
Indeno[1,2,3-cd]pyrene (193-39-5)
Isophorone (78-59-1)
Naphthalene (91-20-3)
Pentachlorophenol (87-86-5)
Phenanthrene (85-01-8)
Pyrene (129-00-0)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
1000 µg/mL each in acetone (pentachlorophenol at 4000 µg/mL), 1 mL/ampul	Yes	6 months	36 months	Ambient	0 °C or colder	ea.	31899

Method 525.2 Surrogate Standard Mix (4 components)

1,3-Dimethyl-2-nitrobenzene (81-20-9)
Perylene-d12 (1520-96-3)
Pyrene-d10 (1718-52-1)
Triphenylphosphate (115-86-6)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
1000 µg/mL each in acetone, 1 mL/ampul	Yes	6 months	36 months	Ambient	10 °C or colder	ea.	31826

Method 551.1 Pesticide/Herbicide Mix (16 components)

Alachlor (15972-60-8)
Atrazine (1912-24-9)
Bromacil (314-40-9)
Cyanazine (Bladex) (21725-46-2)
Endrin (72-20-8)
Endrin aldehyde (7421-93-4)
Endrin ketone (53494-70-5)
γ-BHC (Lindane) (58-89-9)
Heptachlor (76-44-8)
Heptachlor epoxide (isomer B) (1024-57-3)
Hexachlorobenzene (118-74-1)
Hexachlorocyclopentadiene (77-47-4)
Methoxychlor (72-43-5)
Metolachlor (51218-45-2)
Simazine (122-34-9)
Trifluralin (1582-09-8)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
1000 µg/mL each in acetone, 1 mL/ampul	Yes	6 months	24 months	Ambient	10 °C or colder	ea.	32438

Methyl arachidate

Methyl arachidate (1120-28-1)

Description	Chain	CAS #	Conc. in Solvent	CRM?	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
Methyl arachidate	C20:0	1120-28-1	Neat, 100 mg	No	Ambient	0 °C or colder	No	ea.	35056

Methyl arachidonate

Methyl arachidonate (2566-89-4)

Description	Chain	CAS #	Conc. in Solvent	CRM?	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
Methyl arachidonate	C20:4 Δ 5,8,11,14 *cis*	2566-89-4	Neat, 100 mg	No	Ambient	0 °C or colder	No	ea.	35060

Methyl behenate

Methyl behenate (929-77-1)

Description	Chain	CAS #	Conc. in Solvent	CRM?	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
Methyl behenate	C22:0	929-77-1	Neat, 100 mg	No	Ambient	0 °C or colder	No	ea.	35062

Methyl caprate

Methyl caprate (110-42-9)

Description	Chain	CAS #	Conc. in Solvent	CRM?	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
Methyl caprate	C10:0	110-42-9	Neat, 100 mg	No	Ambient	0 °C or colder	No	ea.	35041

Methyl caproate

Methyl caproate (106-70-7)

Description	Chain	CAS #	Conc. in Solvent	CRM?	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
Methyl caproate	C6:0	106-70-7	Neat, 100 mg	No	Ambient	0 °C or colder	No	ea.	35037

Methyl caprylate

Methyl caprylate (111-11-5)

Description	Chain	CAS #	Conc. in Solvent	CRM?	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
Methyl caprylate	C8:0	111-11-5	Neat, 100 mg	No	Ambient	0 °C or colder	No	ea.	35039

Methyl eicosadienoate

Methyl eicosadienoate (2463-02-7)

Description	Chain	CAS #	Conc. in Solvent	CRM?	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
Methyl eicosadienoate	C20:2 Δ 11,14 *cis*	2463-02-7	Neat, 100 mg	No	Ambient	0 °C or colder	No	ea.	*35058*

Methyl eicosatrienoate

Methyl eicosatrienoate (55682-88-7)

Description	Chain	CAS #	Conc. in Solvent	CRM?	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
Methyl eicosatrienoate	C20:3 Δ 11,14,17 *cis*	55682-88-7	Neat, 100 mg	No	Ambient	0 °C or colder	No	ea.	*35059*

Methyl eicosenoate

Methyl eicosenoate (2390-09-2)

Description	Chain	CAS #	Conc. in Solvent	CRM?	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
Methyl eicosenoate	C20:1 Δ 11 *cis*	2390-09-2	Neat, 100 mg	No	Ambient	0 °C or colder	No	ea.	*35057*

Methyl erucate

Methyl erucate (1120-34-9)

Description	Chain	CAS #	Conc. in Solvent	CRM?	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
Methyl erucate	C22:1 Δ 13 *cis*	1120-34-9	Neat, 100 mg	No	Ambient	0 °C or colder	No	ea.	*35063*

Methyl heneicosanoate

Methyl heneicosanoate (6064-90-0)

Description	Chain	CAS #	Conc. in Solvent	CRM?	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
Methyl heneicosanoate	C21:0	6064-90-0	Neat, 100 mg	No	Ambient	0 °C or colder	No	ea.	*35061*

Methyl heptadecanoate

Methyl heptadecanoate (1731-92-6)

Description	Chain	CAS #	Conc. in Solvent	CRM?	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
Methyl heptadecanoate	C17:0	1731-92-6	Neat, 100 mg	No	Ambient	0 °C or colder	No	ea.	*35050*

Methyl heptanoate

Methyl heptanoate (106-73-0)

Description	Chain	CAS #	Conc. in Solvent	CRM?	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
Methyl heptanoate	C7:0	106-73-0	Neat, 100 mg	No	Ambient	0 °C or colder	No	ea.	*35038*

Methyl laurate

Methyl laurate (111-82-0)

Description	Chain	CAS #	Conc. in Solvent	CRM?	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
Methyl laurate	C12:0	111-82-0	Neat, 100 mg	No	Ambient	0 °C or colder	No	ea.	*35043*

Methyl lignocerate

Methyl lignocerate (2442-49-1)

Description	Chain	CAS #	Conc. in Solvent	CRM?	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
Methyl lignocerate	C24:0	2442-49-1	Neat, 100 mg	No	Ambient	0 °C or colder	No	ea.	35064

Methyl linoleate

Methyl linoleate (112-63-0)

Description	Chain	CAS #	Conc. in Solvent	CRM?	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
Methyl linoleate	C18:2 Δ 9,12 *cis*	112-63-0	Neat, 100 mg	No	Ambient	0 °C or colder	No	ea.	35053

Methyl linolenate

Methyl linolenate (301-00-8)

Description	Chain	CAS #	Conc. in Solvent	CRM?	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
Methyl linolenate	C18:3 Δ 9,12,15 *cis*	301-00-8	Neat, 100 mg	No	Ambient	0 °C or colder	No	ea.	35054

Methyl myristate

Methyl myristate (124-10-7)

Description	Chain	CAS #	Conc. in Solvent	CRM?	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
Methyl myristate	C14:0	124-10-7	Neat, 100 mg	No	Ambient	0 °C or colder	No	ea.	35045

Methyl myristoleate

Methyl myristoleate (56219-06-8)

Description	Chain	CAS #	Conc. in Solvent	CRM?	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
Methyl myristoleate	C14:1 Δ 9 *cis*	56219-06-8	Neat, 100 mg	No	Ambient	0 °C or colder	No	ea.	35046

Methyl nervonate

Methyl nervonate (2733-88-2)

Description	Chain	CAS #	Conc. in Solvent	CRM?	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
Methyl nervonate	C24:1 Δ 15 *cis*	2733-88-2	Neat, 100 mg	No	Ambient	0 °C or colder	No	ea.	35065

Methyl nonadecanoate

Methyl nonadecanoate (1731-94-8)

Description	Chain	CAS #	Conc. in Solvent	CRM?	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
Methyl nonadecanoate	C19:0	1731-94-8	Neat, 100 mg	No	Ambient	0 °C or colder	No	ea.	35055

Methyl nonanoate

Methyl nonanoate (1731-84-6)

Description	Chain	CAS #	Conc. in Solvent	CRM?	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
Methyl nonanoate	C9:0	1731-84-6	Neat, 100 mg	No	Ambient	0 °C or colder	No	ea.	35040

Methyl oleate

Methyl oleate (112-62-9)

Description	Chain	CAS #	Conc. in Solvent	CRM?	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
Methyl oleate	C18:1 Δ 9 *cis*	112-62-9	Neat, 100 mg	No	Ambient	0 °C or colder	No	ea.	*35052*

Methyl palmitate

Methyl palmitate (112-39-0)

Description	Chain	CAS #	Conc. in Solvent	CRM?	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
Methyl palmitate	C16:0	112-39-0	Neat, 100 mg	No	Ambient	0 °C or colder	No	ea.	*35048*

Methyl palmitoleate

Methyl palmitoleate (1120-25-8)

Description	Chain	CAS #	Conc. in Solvent	CRM?	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
Methyl palmitoleate	C16:1 Δ 9 *cis*	1120-25-8	Neat, 100 mg	No	Ambient	0 °C or colder	No	ea.	*35049*

Methyl pentadecanoate

Methyl pentadecanoate (7132-64-1)

Description	Chain	CAS #	Conc. in Solvent	CRM?	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
Methyl pentadecanoate	C15:0	7132-64-1	Neat, 100 mg	No	Ambient	0 °C or colder	No	ea.	*35047*

Methyl stearate

Methyl stearate (112-61-8)

Description	Chain	CAS #	Conc. in Solvent	CRM?	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
Methyl stearate	C18:0	112-61-8	Neat, 100 mg	No	Ambient	0 °C or colder	No	ea.	*35051*

Methyl tridecanoate

Methyl tridecanoate (1731-88-0)

Description	Chain	CAS #	Conc. in Solvent	CRM?	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
Methyl tridecanoate	C13:0	1731-88-0	Neat, 100 mg	No	Ambient	0 °C or colder	No	ea.	*35044*

Methyl undecanoate

Methyl undecanoate (1731-86-8)

Description	Chain	CAS #	Conc. in Solvent	CRM?	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
Methyl undecanoate	C11:0	1731-86-8	Neat, 100 mg	No	Ambient	0 °C or colder	No	ea.	*35042*

Michigan GRO Mix (14 components)

Benzene (71-43-2)
1,2-Dibromoethane (106-93-4)
1,2-Dichloroethane (107-06-2)
Ethylbenzene (100-41-4)
Isopropylbenzene (cumene) (98-82-8)
2-Methylnaphthalene (91-57-6)
Methyl *tert*-butyl-ether (MTBE) (1634-04-4)
Naphthalene (91-20-3)
Toluene (108-88-3)
1,2,4-Trimethylbenzene (95-63-6)
1,3,5-Trimethylbenzene (108-67-8)
m-Xylene (108-38-3)
o-Xylene (95-47-6)
p-Xylene (106-42-3)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	85 months	Ambient	0 °C or colder	ea.	*30468*

Minnesota Ag List 1 Pesticide Kit

Contains 1 mL each of these mixtures.

32406: Minnesota Ag List 1 Pesticides Mix A
Acetochlor (34256-82-1)
Alachlor (15972-60-8)
Atrazine (1912-24-9)
Cyanazine (Bladex) (21725-46-2)
Desethylatrazine (6190-65-4)
Desisopropylatrazine (1007-28-9)
Dimethenamid (87674-68-8)*
Ethalfluralin (55283-68-6)
Metolachlor (51218-45-2)
Metribuzin (21087-64-9)
Pendimethalin (40487-42-1)
Prometon (1610-18-0)
Propachlor (1918-16-7)
Propazine (139-40-2)
Simazine (122-34-9)
Trifluralin (1582-09-8)

32407: Minnesota Ag List 1 Pesticides Mix B
Chlorpyrifos (2921-88-2)
EPTC (759-94-4)
Fonofos (944-22-9)
Phorate (298-02-2)
Terbufos (13071-79-9)
Triallate (2303-17-5)

Description	CRM?	Min Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
Minnesota Ag List 1 Pesticide Kit	Yes	6 months	Ambient	10 °C or colder	kit	32408

Minnesota Ag List 1 Pesticides Mix A (16 components)

Acetochlor (34256-82-1)
Alachlor (15972-60-8)
Atrazine (1912-24-9)
Cyanazine (Bladex) (21725-46-2)
Desethylatrazine (6190-65-4)
Desisopropylatrazine (1007-28-9)
Dimethenamid (87674-68-8)*
Ethalfluralin (55283-68-6)
Metolachlor (51218-45-2)
Metribuzin (21087-64-9)
Pendimethalin (40487-42-1)
Prometon (1610-18-0)
Propachlor (1918-16-7)
Propazine (139-40-2)
Simazine (122-34-9)
Trifluralin (1582-09-8)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
200 ppm each in acetone, 1 mL/ampul	Yes	6 months	18 months	Ambient	10 °C or colder	ea.	32406

*Added to Minnesota Department of Agriculture List 1 pesticide (neutrals) incident investigation requirements, effective January 1, 2000.[1] CAS # 87674-68-8 manufactured by several companies under various trade names.
[1] Analytical Lists for Pesticide Incident Investigations, Minnesota Department of Agriculture, Guidance Document 26 (3/99), St. Paul, MN. For a copy, visit their website at: www.mda.state.mn.us

Minnesota Ag List 1 Pesticides Mix B (6 components)

Chlorpyrifos (2921-88-2)
EPTC (759-94-4)
Fonofos (944-22-9)
Phorate (298-02-2)
Terbufos (13071-79-9)
Triallate (2303-17-5)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
200 ppm each in acetone, 1 mL/ampul	Yes	6 months	35 months	Ambient	10 °C or colder	ea.	32407

MOSH/MOAH Retention Time Standard (10 components)

(C10) *n*-Decane (124-18-5)
(C11) *n*-Undecane (1120-21-4)
(C13) *n*-Tridecane (629-50-5)
(C16) *n*-Hexadecane (544-76-3)
(C20) *n*-Eicosane (112-95-8)
(C24) *n*-Tetracosane (646-31-1)
(C25) *n*-Pentacosane (629-99-2)
(C35) *n*-Pentatriacontane (630-07-9)
(C40) *n*-Tetracontane (4181-95-7)
(C50) *n*-Pentacontane (6596-40-3)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
100 µg/mL, Cyclohexane, 1 mL/ampul	Yes	6 months	60 months	Ambient	25 °C nominal	ea.	31076

MOSH/MOAH Standard (9 components)

(C11) *n*-Undecane (1120-21-4), 300 µg/mL
(C13) *n*-Tridecane (629-50-5), 150 µg/mL
Bicyclohexyl (92-51-3), 300 µg/mL
Cholestane (5-α-cholestane) (481-21-0), 600 µg/mL
1-Methylnaphthalene (90-12-0), 300 µg/mL
2-Methylnaphthalene (91-57-6), 300 µg/mL
n-Pentylbenzene (538-68-1), 300 µg/mL
Perylene (198-55-0), 600 µg/mL
1,3,5-Tri-*tert*-butylbenzene (1460-02-2), 300 µg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
150-600 µg/mL each in toluene, 1 mL/ampul	Yes	6 months	60 months	Ambient	10 °C or colder	ea.	31070

Nitroaromatics and Nitramine Explosives by LC (14 components)

1,3-Dinitrobenzene (99-65-0)
2-Amino-4,6-dinitrotoluene (35572-78-2)
4-Amino-2,6-dinitrotoluene (19406-51-0)
2,4-Dinitrotoluene (121-14-2)
2,6-Dinitrotoluene (606-20-2)
HMX (2691-41-0)
Nitrobenzene (98-95-3)
2-Nitrotoluene (88-72-2)
3-Nitrotoluene (99-08-1)
4-Nitrotoluene (99-99-0)
RDX (121-82-4)
Tetryl (479-45-8)
1,3,5-Trinitrobenzene (99-35-4)
2,4,6-Trinitrotoluene (118-96-7)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
1000 µg/mL each in acetonitrile, 1 mL/ampul	Yes	6 months	43 months	Ambient	10 °C or colder	ea.	33905

Nitrosamine Calibration Mix, Method 521 (7 components)

N-Nitrosodiethylamine (55-18-5)
N-Nitrosodimethylamine (62-75-9)
N-Nitrosodi-*n*-butylamine (924-16-3)
N-Nitroso-di-*n*-propylamine (621-64-7)
N-Nitrosomethylethylamine (10595-95-6)
N-Nitrosopiperidine (100-75-4)
N-Nitrosopyrrolidine (930-55-2)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
1000 µg/mL each in methylene chloride, 1 mL/ampul	Yes	6 months	36 months	Ambient	10 °C or colder	ea.	31898

NJDEP EPH 10/08 Rev. 2 Aliphatics Calibration Standard (20 components)

(C9) *n*-Nonane (111-84-2)
(C10) *n*-Decane (124-18-5)
(C12) *n*-Dodecane (112-40-3)
(C14) *n*-Tetradecane (629-59-4)
(C16) *n*-Hexadecane (544-76-3)
(C18) *n*-Octadecane (593-45-3)
(C20) *n*-Eicosane (112-95-8)
(C21) *n*-Heneicosane (629-94-7)
(C22) *n*-Docosane (629-97-0)
(C24) *n*-Tetracosane (646-31-1)
(C26) *n*-Hexacosane (630-01-3)
(C28) *n*-Octacosane (630-02-4)
(C30) *n*-Triacontane (638-68-6)
(C32) *n*-Dotriacontane (544-85-4)
(C34) *n*-Tetratriacontane (14167-59-0)
(C36) *n*-Hexatriacontane (630-06-8)
(C38) *n*-Octatriacontane (7194-85-6)
(C40) *n*-Tetracontane (4181-95-7)
2-Methylnaphthalene (91-57-6)
Naphthalene (91-20-3)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in hexane:carbon disulfide (80:20), 1 mL/ampul	Yes	6 months	85 months	Ambient	25 °C nominal	ea.	30540

NJDEP EPH 10/08 Rev. 2 Aliphatics Fractionation Check Mix (18 components)

(C9) *n*-Nonane (111-84-2)
(C10) *n*-Decane (124-18-5)
(C12) *n*-Dodecane (112-40-3)
(C14) *n*-Tetradecane (629-59-4)
(C16) *n*-Hexadecane (544-76-3)
(C18) *n*-Octadecane (593-45-3)
(C20) *n*-Eicosane (112-95-8)
(C21) *n*-Heneicosane (629-94-7)
(C22) *n*-Docosane (629-97-0)
(C24) *n*-Tetracosane (646-31-1)
(C26) *n*-Hexacosane (630-01-3)
(C28) *n*-Octacosane (630-02-4)
(C30) *n*-Triacontane (638-68-6)
(C32) *n*-Dotriacontane (544-85-4)
(C34) *n*-Tetratriacontane (14167-59-0)
(C36) *n*-Hexatriacontane (630-06-8)
(C38) *n*-Octatriacontane (7194-85-6)
(C40) *n*-Tetracontane (4181-95-7)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
400 µg/mL each in hexane, 5 mL/ampul	Yes	6 months	85 months	Ambient	10 °C or colder	ea.	30544

NJDEP EPH 10/08 Rev. 2 Aliphatics Matrix Spike Mix (18 components)

(C9) *n*-Nonane (111-84-2)
(C10) *n*-Decane (124-18-5)
(C12) *n*-Dodecane (112-40-3)
(C14) *n*-Tetradecane (629-59-4)
(C16) *n*-Hexadecane (544-76-3)
(C18) *n*-Octadecane (593-45-3)
(C20) *n*-Eicosane (112-95-8)
(C21) *n*-Heneicosane (629-94-7)
(C22) *n*-Docosane (629-97-0)
(C24) *n*-Tetracosane (646-31-1)
(C26) *n*-Hexacosane (630-01-3)
(C28) *n*-Octacosane (630-02-4)
(C30) *n*-Triacontane (638-68-6)
(C32) *n*-Dotriacontane (544-85-4)
(C34) *n*-Tetratriacontane (14167-59-0)
(C36) *n*-Hexatriacontane (630-06-8)
(C38) *n*-Octatriacontane (7194-85-6)
(C40) *n*-Tetracontane (4181-95-7)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
200 µg/mL each in pentane, 5 mL/ampul	Yes	6 months	85 months	Ambient	10 °C or colder	ea.	30542

NJDEP EPH 10/08 Rev. 2 Aromatics Calibration Standard (18 components)

Acenaphthene (83-32-9)
Acenaphthylene (208-96-8)
Anthracene (120-12-7)
Benz[a]anthracene (56-55-3)
Benzo[a]pyrene (50-32-8)
Benzo[b]fluoranthene (205-99-2)
Benzo[g,h,i]perylene (191-24-2)
Benzo[k]fluoranthene (207-08-9)
Chrysene (218-01-9)
Dibenz[a,h]anthracene (53-70-3)
Fluoranthene (206-44-0)
Fluorene (86-73-7)
Indeno[1,2,3-cd]pyrene (193-39-5)
2-Methylnaphthalene (91-57-6)
Naphthalene (91-20-3)
Phenanthrene (85-01-8)
Pyrene (129-00-0)
1,2,3-Trimethylbenzene (526-73-8)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in methylene chloride, 1 mL/ampul	Yes	6 months	71 months	Ambient	10 °C or colder	ea.	30541

NJDEP EPH 10/08 Rev. 2 Aromatics Fractionation Check Mix (16 components)

Acenaphthene (83-32-9)
Acenaphthylene (208-96-8)
Anthracene (120-12-7)
Benz[a]anthracene (56-55-3)
Benzo[a]pyrene (50-32-8)
Benzo[b]fluoranthene (205-99-2)
Benzo[g,h,i]perylene (191-24-2)
Benzo[k]fluoranthene (207-08-9)
Chrysene (218-01-9)
Dibenz[a,h]anthracene (53-70-3)
Fluoranthene (206-44-0)
Fluorene (86-73-7)
Indeno[1,2,3-cd]pyrene (193-39-5)
Phenanthrene (85-01-8)
Pyrene (129-00-0)
1,2,3-Trimethylbenzene (526-73-8)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
400 µg/mL each in hexane:toluene (50:50), 5 mL/ampul	Yes	6 months	71 months	Ambient	10 °C or colder	ea.	30545

NJDEP EPH 10/08 Rev. 2 Aromatics Matrix Spike Mix (18 components)

Acenaphthene (83-32-9)
Acenaphthylene (208-96-8)
Anthracene (120-12-7)
Benz[a]anthracene (56-55-3)
Benzo[a]pyrene (50-32-8)
Benzo[b]fluoranthene (205-99-2)
Benzo[g,h,i]perylene (191-24-2)
Benzo[k]fluoranthene (207-08-9)
Chrysene (218-01-9)
Dibenz[a,h]anthracene (53-70-3)
Fluoranthene (206-44-0)
Fluorene (86-73-7)
Indeno[1,2,3-cd]pyrene (193-39-5)
2-Methylnaphthalene (91-57-6)
Naphthalene (91-20-3)
Phenanthrene (85-01-8)
Pyrene (129-00-0)
1,2,3-Trimethylbenzene (526-73-8)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
200 µg/mL each in acetone:toluene (50:50), 5 mL/ampul	Yes	6 months	71 months	Ambient	10 °C or colder	ea.	30543

NLEA FAME Mix (28 components)

Chain, Compound (CAS#), % by Weight
C4:0 Methyl butyrate (632-42-7), 1.5%
C6:0 Methyl hexanoate (106-70-7), 1.5%
C8:0 Methyl octanoate (111-11-5), 2%
C10:0 Methyl decanoate (1110-42-9), 2.5%
C11:0 Methyl undecanoate (1731-86-8), 2.5%
C12:0 Methyl laurate (111-82-0), 5%
C13:0 Methyl tridecanoate (1731-88-0), 2.5%
C14:0 Methyl myristate (124-10-7), 2.5%
C14:1 (*cis*-9) Methyl myristoleate (56219-06-8), 1.5%
C15:0 Methyl pentadecanoate (7132-64-1), 1.5%
C16:0 Methyl palmitate (112-39-0), 10%
C16:1 (*cis*-9) Methyl palmitoleate (1120-25-8), 5%
C17:0 Methyl heptadecanoate (1731-92-6), 2.5%
C18:0 Methyl stearate (112-61-8), 5%
C18:1 (*trans*-9) Methyl elaidate (1937-62-8), 2.5%
C18:1 (*cis*-9) Methyl oleate (112-62-9), 15%
C18:2 (all-*trans*-9,12) Methyl linolelaidate (2566-97-4), 2.5%
C18:2 (all-*cis*-9,12) Methyl linoleate (112-63-0), 10%
C18:3 (all-*cis*-9,12,15) Methyl linolenate (301-00-8), 5%
C20:0 Methyl arachidate (1120-28-1), 2.5%
C20:1 (*cis*-11) Methyl eicosenoate (2380-09-2), 1.5%
C20:5 (all-*cis*-5,8,11,14,17) Methyl eicosapentaenoate (2734-47-6), 2.5%
C22:0 Methyl behenate (929-77-1), 2.5%
C22:1 (*cis*-13) Methyl erucate (1120-34-9), 1.5%
C22:6 (all-*cis*-4,7,10,13,16,19) Methyl docosahexaenoate (28061-46-3), 2.5%
C23:0 Methyl tricosanoate (2433-97-8), 1.5%
C24:0 Methyl lignocerate (2442-49-1), 2.5%
C24:1 (*cis*-15) Methyl nervonate (2733-88-2), 2.5%

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
30 mg/mL total in methylene chloride, 1 mL/ampul	No	6 months	Ambient	0 °C or colder	No	ea.	35078

NPI-1000 Column Test Mix (8 components)

(C9:0) Methyl nonanoate (1731-84-6)
(C13) *n*-Tridecane (629-50-5)
(C15) *n*-Pentadecane (629-62-9)
Acenaphthylene (208-96-8)
4-Chlorophenol (106-48-9)
1,6-Hexanediol (629-11-8)
4-Propylaniline (2696-84-6)
1-Undecanol (112-42-5)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
1000 µg/mL each in methylene chloride, 1 mL/ampul	No	3 months	12 months	Ambient	10 °C or colder	ea.	35224

NPI-350 Column Test Mix (8 components)

(C9:0 FAME) Methyl nonanoate (1731-84-6)
(C13) *n*-Tridecane (629-50-5)
(C15) *n*-Pentadecane (629-62-9)
Acenaphthylene (208-96-8)
4-Chlorophenol (106-48-9)
1,6-Hexanediol (629-11-8)
4-Propylaniline (2696-84-6)
1-Undecanol (112-42-5)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
350 µg/mL each in methylene chloride, 1 mL/ampul	No	3 months	12 months	Ambient	10 °C or colder	ea.	35225

NW TPH-HCID Surrogate Mix (2 components)

(C25) *n*-Pentacosane (629-99-2)
1-Bromo-4-fluorobenzene (BFB) (460-00-4)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
5000 µg/mL each in methylene chloride, 1 mL/ampul	Yes	6 months	85 months	Ambient	10 °C or colder	ea.	31486

OLC 03.2 SVOA Deuterated Monitoring Compounds (DMC) (16 components)

Acenaphthylene-d8 (93951-97-4)
Anthracene-d10 (1719-06-8)
Benzo[a]pyrene-d12 (63466-71-7)
Bis-(2-chloroethyl)ether-d8 (93952-02-4)
4-Chloroaniline-d4 (191656-33-4)
2-Chlorophenol-d4 (93951-73-6)
2,4-Dichlorophenol-d3 (93951-74-7)
Dimethylphthalate-d6 (85448-30-2)
4,6-Dinitro-2-methylphenol-d2 (93951-76-9)
Fluorene-d10 (81103-79-9)
4-Methylphenol-d8 (190780-66-6)
Nitrobenzene-d5 (4165-60-0)
2-Nitrophenol-d4 (93951-78-1)
4-Nitrophenol-d4 (93951-79-2)
Phenol-d5 (4165-62-2)
Pyrene-d10 (1718-52-1)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in methylene chloride, 1 mL/ampul	Yes	6 months	45 months	Ambient	10 °C or colder	ea.	31810

OLC 03.2 VOA MegaMix Standard (42 components)

Benzene (71-43-2)
Bromochloromethane (74-97-5)
Bromodichloromethane (75-27-4)
Bromoform (75-25-2)
Carbon disulfide (75-15-0)
Carbon tetrachloride (56-23-5)
Chlorobenzene (108-90-7)
Chloroform (67-66-3)
Cyclohexane (110-82-7)
Dibromochloromethane (chlorodibromomethane) (124-48-1)
1,2-Dibromo-3-chloropropane (DBCP) (96-12-8)
1,2-Dibromoethane (EDB) (106-93-4)
1,2-Dichlorobenzene (95-50-1)
1,3-Dichlorobenzene (541-73-1)
1,4-Dichlorobenzene (106-46-7)
1,1-Dichloroethane (75-34-3)
1,2-Dichloroethane (107-06-2)
1,1-Dichloroethene (75-35-4)
cis-1,2-Dichloroethene (156-59-2)
trans-1,2-Dichloroethene (156-60-5)
1,2-Dichloropropane (78-87-5)
cis-1,3-Dichloropropene (10061-01-5)
trans-1,3-Dichloropropene (10061-02-6)
Ethylbenzene (100-41-4)
Isopropylbenzene (cumene) (98-82-8)
Methyl acetate (79-20-9)
Methylcyclohexane (108-87-2)
Methyl *tert*-butyl ether (MTBE) (1634-04-4)
Methylene chloride (dichloromethane) (75-09-2)
Styrene (100-42-5)
1,1,2,2-Tetrachloroethane (79-34-5)
Tetrachloroethene (127-18-4)
Toluene (108-88-3)
1,2,3-Trichlorobenzene (87-61-6)
1,2,4-Trichlorobenzene (120-82-1)
1,1,1-Trichloroethane (71-55-6)
1,1,2-Trichloroethane (79-00-5)
Trichloroethene (79-01-6)
1,1,2-Trichlorotrifluoroethane (CFC-113) (76-13-1)
m-Xylene (108-38-3)
o-Xylene (95-47-6)
p-Xylene (106-42-3)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in P&T methanol (*m*-xylene and *p*-xylene at 1000 µg/mL), 1 mL/ampul	Yes	6 months	36 months	Ambient	0 °C or colder	ea.	30492

OQ Response Linearity Test Standard (6 components)

(C17) *n*-Heptadecane (629-78-7), 1.5 µg/mL
(C18) *n*-Octadecane (593-45-3), 10 µg/mL
(C19) *n*-Nonadecane (629-92-5), 2 µg/mL
(C20) *n*-Eicosane (112-95-8), 100 µg/mL
(C22) *n*-Docosane (629-97-0), 1000 µg/mL
(C24) *n*-Tetracosane (646-31-1), 10,000 µg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In isooctane, 1 mL/ampul	Yes	6 months	85 months	Ambient	10 °C or colder	ea.	33906

OQ/PV Headspace Standard (3 components)

tert-Butyl disulfide (110-06-5)
1,2-Dichlorobenzene (95-50-1)
Nitrobenzene (98-95-3)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in ethanol, 1 mL/ampul	Yes	6 months	36 months	Ambient	10 °C or colder	ea.	33909

Oregon Pesticide Standards (6 separate mixes)

Each ampul sold separately.

Cat.# 32586: Oregon Pesticide Standard #1 (6 components)
Abamectin (71751-41-2)
Acequinocyl (57960-19-7)
(E)-Fenpyroximate (134098-61-6)
Imidacloprid (138261-41-3)
Spinosad (168316-95-8)
Spirotetramat (203313-25-1)

Cat.# 32587: Oregon Pesticide Standard #2 (14 components)
Acetamiprid (135410-20-7)
Azoxystrobin (131860-33-8)
Bifenazate (149877-41-8)
Boscalid (188425-85-6)
Chlorfenapyr (122453-73-0)
Etoxazole (153233-91-1)
Fludioxonil (131341-86-1)
Kresoxim methyl (143390-89-0)
Metalaxyl (57837-19-1)
MGK-264 (113-48-4)
Piperonyl butoxide (51-03-6)
Spiromesifen (283594-90-1)
Spiroxamine (118134-30-8)
Trifloxystrobin (141517-21-7)

Cat.# 32588: Oregon Pesticide Standard #3 (10 components)
Aldicarb (116-06-3)
Fipronil (120068-37-3)
Flonicamid (158062-67-0)
Hexythiazox (78587-05-0)
Methiocarb (2032-65-7)
Methomyl (16752-77-5)
Oxamyl (23135-22-0)
Pyridaben (96489-71-3)
Thiacloprid (111988-49-9)
Thiamethoxam (153719-23-4)

Cat.# 32589: Oregon Pesticide Standard #4 (12 components)
Carbaryl (Sevin) (63-25-2)
Carbofuran (1563-66-2)
Chlorantraniliprole (500008-45-7)
Clofentezine (74115-24-5)
Daminozide (1596-84-5)
Fenoxycarb (72490-01-8)
Imazalil (35554-44-0)
Myclobutanil (88671-89-0)
Paclobutrazol (76738-62-0)
Propiconazole (Tilt) (60207-90-1)
Propoxur (Baygon) (114-26-1)
Tebuconazole (107534-96-3)

Cat.# 32590: Oregon Pesticide Standard #5 (7 components)
Bifenthrin (82657-04-3)
Cyfluthrin (68359-37-5)
Cypermethrin (52315-07-8)
Etofenprox (80844-07-1)
Permethrin (*cis* & *trans*) (52645-53-1)
Prallethrin (23031-36-9)
Pyrethrins (8003-34-7)

Cat.# 32591: Oregon Pesticide Standard #6 (10 components)
Acephate (30560-19-1)
Chlorpyrifos (2921-88-2)
Diazinon (333-41-5)
Dichlorvos (DDVP) (62-73-7)
Dimethoate (60-51-5)
Ethoprophos (13194-48-4)
Malathion (121-75-5)
Methyl parathion (298-00-0)
Naled (300-76-5)
Phosmet (732-11-6)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
Oregon Pesticide Standard #1							
600 µg/mL, Acetonitrile, 1 mL/ampul	Yes	6 months	18 months	Ambient	–20 °C or colder	ea.	32586
Oregon Pesticide Standard #2							
600 µg/mL, Acetonitrile, 1 mL/ampul	Yes	6 months	18 months	On Ice	–20 °C or colder	ea.	32587
Oregon Pesticide Standard #3							
600 µg/mL, Acetonitrile, 1 mL/ampul	Yes	6 months	18 months	Ambient	10 °C or colder	ea.	32588
Oregon Pesticide Standard #4							
600 µg/mL, Acetonitrile, 1 mL/ampul	Yes	6 months	18 months	Ambient	10 °C or colder	ea.	32589

Continued

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
Oregon Pesticide Standard #5							
600 µg/mL, Acetonitrile, 1 mL/ampul	Yes	6 months	18 months	Ambient	10 °C or colder	ea.	32590
Oregon Pesticide Standard #6							
600 µg/mL, Acetonitrile, 1 mL/ampul	Yes	6 months	14 months	Ambient	10 °C or colder	ea.	32591

Organochlorine Pesticide Mix #2 (Rev), Method 525.2 (8 components)

Chlorobenzilate (510-15-6)
Chloroneb (2675-77-6)
Chlorothalonil (1897-45-6)
DCPA methyl ester (Chlorthal-dimethyl) (1861-32-1)
Heptachlor epoxide (isomer A) (28044-83-9)
trans-Nonachlor (39765-80-5)
cis-Permethrin (61949-76-6)
trans-Permethrin (61949-77-7)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
500 µg/mL each in acetone, 1 mL/ampul	Yes	6 months	24 months	Ambient	10 °C or colder	ea.	33011

Organochlorine Pesticide Mix AB # 3 (20 components)

Aldrin (309-00-2)
α-BHC (319-84-6)
β-BHC (319-85-7)
δ-BHC (319-86-8)
γ-BHC (Lindane) (58-89-9)
cis-Chlordane (5103-71-9)
trans-Chlordane (5103-74-2)
4,4'-DDD (72-54-8)
4,4'-DDE (72-55-9)
4,4'-DDT (50-29-3)
Dieldrin (60-57-1)
Endosulfan I (959-98-8)
Endosulfan II (33213-65-9)
Endosulfan sulfate (1031-07-8)
Endrin (72-20-8)
Endrin aldehyde (7421-93-4)
Endrin ketone (53494-70-5)
Heptachlor (76-44-8)
Heptachlor epoxide (isomer B) (1024-57-3)
Methoxychlor (72-43-5)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in hexane:toluene (1:1), 1 mL/ampul	Yes	6 months	52 months	Ambient	10 °C or colder	ea.	32415

Organochlorine Pesticide Mix AB #1 (20 components)

Aldrin (309-00-2)
α-BHC (319-84-6)
β-BHC (319-85-7)
δ-BHC (319-86-8)
γ-BHC (Lindane) (58-89-9)
cis-Chlordane (5103-71-9)
trans-Chlordane (5103-74-2)
4,4'-DDD (72-54-8)
4,4'-DDE (72-55-9)
4,4'-DDT (50-29-3)
Dieldrin (60-57-1)
Endosulfan I (959-98-8)
Endosulfan II (33213-65-9)
Endosulfan sulfate (1031-07-8)
Endrin (72-20-8)
Endrin aldehyde (7421-93-4)
Endrin ketone (53494-70-5)
Heptachlor (76-44-8)
Heptachlor epoxide (isomer B) (1024-57-3)
Methoxychlor (72-43-5)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
200 µg/mL each in hexane:toluene (1:1), 1 mL/ampul	Yes	6 months	48 months	Ambient	10 °C or colder	ea.	32291

Organochlorine Pesticide Mix AB #2 (20 components)

Aldrin (309-00-2), 8 µg/mL
α-BHC (319-84-6), 8 µg/mL
β-BHC (319-85-7), 8 µg/mL
δ-BHC (319-86-8), 8 µg/mL
γ-BHC (Lindane) (58-89-9), 8 µg/mL
cis-Chlordane (5103-71-9), 8 µg/mL
trans-Chlordane (5103-74-2), 8 µg/mL
4,4'-DDD (72-54-8), 16 µg/mL
4,4'-DDE (72-55-9), 16 µg/mL
4,4'-DDT (50-29-3), 16 µg/mL
Dieldrin (60-57-1), 16 µg/mL
Endosulfan I (959-98-8), 8 µg/mL
Endosulfan II (33213-65-9), 16 µg/mL
Endosulfan sulfate (1031-07-8), 16 µg/mL
Endrin (72-20-8), 16 µg/mL
Endrin aldehyde (7421-93-4), 16 µg/mL
Endrin ketone (53494-70-5), 16 µg/mL
Heptachlor (76-44-8), 8 µg/mL
Heptachlor epoxide (isomer B) (1024-57-3), 8 µg/mL
Methoxychlor (72-43-5), 80 µg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In hexane:toluene (1:1), 1 mL/ampul	Yes	6 months	48 months	Ambient	10 °C or colder	ea.	32292

Organochlorine Pesticide Mix C #1 (6 components)

Chlorobenzilate (510-15-6)
Diallate (*cis* & *trans*) (2303-16-4)
1,2-Dibromo-3-chloropropane (96-12-8)
Hexachlorobenzene (118-74-1)
Hexachlorocyclopentadiene (77-47-4)
Isodrin (465-73-6)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
200 µg/mL each in hexane:toluene (1:1), 1 mL/ampul	Yes	6 months	48 months	Ambient	10 °C or colder	ea.	32296

Organochlorine Pesticide Resolution Check Mix (with surrogates) (22 components)

Aldrin (309-00-2), 10 µg/mL
α-BHC (319-84-6), 10 µg/mL
β-BHC (319-85-7), 10 µg/mL
δ-BHC (319-86-8), 10 µg/mL
γ-BHC (Lindane) (58-89-9), 10 µg/mL
cis-Chlordane (5103-71-9), 10 µg/mL
trans-Chlordane (5103-74-2), 10 µg/mL
Decachlorobiphenyl (SS) (2051-24-3), 20 µg/mL
Dieldrin (60-57-1), 20 µg/mL
4,4'-DDD (72-54-8), 20 µg/mL
4,4'-DDE (72-55-9), 20 µg/mL
4,4'-DDT (50-29-3), 20 µg/mL
Endosulfan I (959-98-8), 10 µg/mL
Endosulfan II (33213-65-9), 20 µg/mL
Endosulfan sulfate (1031-07-8), 20 µg/mL
Endrin (72-20-8), 20 µg/mL
Endrin aldehyde (7421-93-4), 20 µg/mL
Endrin ketone (53494-70-5), 20 µg/mL
Heptachlor (76-44-8), 10 µg/mL
Heptachlor epoxide (isomer B) (1024-57-3), 10 µg/mL
Methoxychlor (72-43-5), 100 µg/mL
2,4,5,6-Tetrachloro-*m*-xylene (SS) (877-09-8), 10 µg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In hexane:toluene (90:10), 1 mL/ampul	Yes	6 months	48 months	Ambient	10 °C or colder	ea.	32454

Organochlorine Pesticide System Evaluation Mix (2 components)

4,4'-DDT (50-29-3), 200 µg/mL
Endrin (72-20-8), 100 µg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In methyl *tert*-butyl ether, 1 mL/ampul	Yes	6 months	44 months	Ambient	10 °C or colder	ea.	32417

Organonitrogen Pesticide Mix #1 (Rev), Method 525.2 (37 components)

Alachlor (15972-60-8)
Ametryn (834-12-8)
Atraton (1610-17-9)
Atrazine (1912-24-9)
Bromacil (314-40-9)
Butachlor (23184-66-9)
Butylate (2008-41-5)
Chlorpropham (101-21-3)
Cyanazine (Bladex) (21725-46-2)
Cycloate (1134-23-2)
Diphenamid (957-51-7)
EPTC (759-94-4)
Etridiazole (2593-15-9)
Fenarimol (60168-88-9)
Fluridone (Sonar) (59756-60-4)
Hexazinone (Velpar) (51235-04-2)
Metolachlor (51218-45-2)
Metribuzin (21087-64-9)
MGK-264 (113-48-4)
Molinate (2212-67-1)
Napropamide (Devrinol) (15299-99-7)
Norflurazon (27314-13-2)
Pebulate (1114-71-2)
Prometon (1610-18-0)
Prometryne (7287-19-6)
Propachlor (1918-16-7)
Propazine (139-40-2)
Propyzamide (23950-58-5)
Simazine (122-34-9)
Simetryn (1014-70-6)
Tebuthiuron (34014-18-1)
Terbacil (5902-51-2)
Terbutryn (886-50-0)
Triadimefon (43121-43-3)
Tricyclazole (Beam) (41814-78-2)
Trifluralin (1582-09-8)
Vernolate (1929-77-7)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
500 µg/mL each in acetone, 1 mL/ampul	Yes	6 months	24 months	Ambient	10 °C or colder	ea.	33012

Organophosphorus Pesticide Mix #1 (Rev), Method 525.2 (7 components)

Chlorpyrifos (2921-88-2)
Dichlorvos (DDVP) (62-73-7)
Disulfoton sulfone (2497-06-5)
Ethoprop (ethoprophos) (13194-48-4)
Methyl paraoxon (Parathion methyl-0-analog) (950-35-6)
Mevinphos (7786-34-7)
Tetrachlorvinphos (22248-79-9)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
500 µg/mL each in acetone, 1 mL/ampul	Yes	3 months	12 months	Ambient	10 °C or colder	ea.	33013

Organophosphorus Pesticide Mix, 8270/Appendix IX (9 components)

Dimethoate (60-51-5)
Disulfoton (298-04-4)
Famphur (52-85-7)
Methyl parathion (298-00-0)
0,0,0-Triethyl phosphorothioate (126-68-1)
Parathion (ethyl parathion) (56-38-2)
Phorate (298-02-2)
Sulfotepp (3689-24-5)
Zinophos (thionazine) (297-97-2)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL in methylene chloride, 1 mL/ampul	Yes	6 months	18 months	Ambient	10 °C or colder	ea.	32419

Organophosphorus Pesticide Mix, European Formulation (16 components)

Acephate (30560-19-1), 200 µg/mL
Azinphos methyl (86-50-0), 400 µg/mL
Chlorpyrifos (2921-88-2), 100 µg/mL
Demeton-S-methyl (919-86-8), 200 µg/mL
Dichlorvos (DDVP) (62-73-7), 500 µg/mL
Dimethoate (60-51-5), 200 µg/mL
Ethion (563-12-2), 200 µg/mL
Malathion (121-75-5), 200 µg/mL
Methamidophos (10265-92-6), 500 µg/mL
Methidathion (950-37-8), 200 µg/mL
Omethoate (1113-02-6), 1000 µg/mL
Pirimiphos methyl (29232-93-7), 100 µg/mL
Profenofos (41198-08-7), 200 µg/mL
Prothiofos (34643-46-4), 200 µg/mL
Pyrazophos (13457-18-6), 500 µg/mL
Tolclofos-methyl (57018-04-9), 100 µg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In acetone, 1 mL/ampul	Yes	3 months	12 months	Ambient	10 °C or colder	ea.	32418

Oxy SetUp Blend (29 components)

Benzene, 1.00%
tert-Butanol, 0.50%
Cyclohexane, 28.9%
n-Decane, 1.00%
2,3-Dimethylbutane, 0.50%
trans-1,2-Dimethylcyclopentane, 0.50%
2,3-Dimethylheptane, 0.20%
Dodecane, 0.25%
Ethanol, 8.00%
Ethylbenzene, 25.0%
3-Ethylpentane, 0.20%
n-Heptane, 2.00%
n-Hexane, 2.00%
2-Methylbutene-2, 2.50%
Methyl *tert*-butyl ether, 10.0%
1-Methylcyclopentene, 0.50%
1-Methyl-2-ethylbenzene, 0.50%
1-Methylnaphthalene, 0.25%
5-Methylnonane, 0.20%
Naphthalene, 0.50%
n-Nonane, 2.00%
n-Octane, 2.00%
n-Pentane, 2.00%
1,2,3,5-Tetramethylbenzene, 0.25%
Toluene, 7.00%
Tridecane, 0.25%
2,3,3-Trimethylpentane, 0.50%
Undecane, 0.50%
p-Xylene, 1.00%

Conc. in Solvent	CRM?	Shipping Conditions	Storage Temp.	qty.	cat.#
2 mL prescored ampul	No	Ambient	Ambient	ea.	33034

Oxygenates (6 components)

tert-Amyl ethyl ether (TAEE) (919-94-8), 2000 µg/mL
tert-Amyl methyl ether (TAME) (994-05-8), 2000 µg/mL
tert-Butanol (TBA) (75-65-0), 10,000 µg/mL
Diisopropyl ether (DIPE) (108-20-3), 2000 µg/mL
Ethyl-*tert*-butyl ether (ETBE) (637-92-3), 2000 µg/mL
Methyl *tert*-butyl ether (MTBE) (1634-04-4), 2000 µg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In P&T methanol, 1 mL/ampul	Yes	6 months	60 months	Ambient	0 °C or colder	ea.	30626

Oxygenates Standard (5 components)

tert-Amyl ethyl ether (TAEE) (919-94-8), 2000 µg/mL
tert-Amyl methyl ether (TAME) (994-05-8), 2000 µg/mL
tert-Butanol (TBA) (75-65-0), 10,000 µg/mL
Diisopropyl ether (DIPE) (108-20-3), 2000 µg/mL
Ethyl-*tert*-butyl ether (ETBE) (637-92-3), 2000 µg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In P&T methanol, 1 mL/ampul	Yes	6 months	36 months	Ambient	0 °C or colder	ea.	30619

PA DEP UST Standard (11 components)

Benzene (71-43-2)
1,2-Dibromoethane (EDB) (106-93-4)
1,2-Dichloroethane (107-06-2)
Ethylbenzene (100-41-4)
Isopropylbenzene (cumene) (98-82-8)
Methyl *tert*-butyl ether (MTBE) (1634-04-4)
Naphthalene (91-20-3)
Toluene (108-88-3)
m-Xylene (108-38-3)
o-Xylene (95-47-6)
p-Xylene (106-42-3)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	85 months	Ambient	0 °C or colder	ea.	30433

PAH Interferences Standard (5 components)

Benzo[j]fluoranthene (205-82-3), 750 µg/mL
Benzo[k]fluoranthene (207-08-9), 1000 µg/mL
Benzo[e]pyrene (192-97-2), 500 µg/mL
Perylene (198-55-0), 250 µg/mL
Triphenylene (217-59-4), 750 µg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In toluene, 1 mL/ampul	Yes	6 months	60 months	Ambient	10 °C or colder	ea.	32472

PAH Supplement Mix for Method 8100 (8 components)

Benzo[j]fluoranthene (205-82-3)
Dibenz[a,h]acridine (226-36-8)
Dibenz[a,j]acridine (224-42-0)
7H-Dibenzo[c,g]carbazole (194-59-2)
Dibenzo[a,e]pyrene (192-65-4)
Dibenzo[a,h]pyrene (189-64-0)
Dibenzo[a,i]pyrene (189-55-9)
3-Methylcholanthrene (56-49-5)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
1000 µg/mL each in methylene chloride, 1 mL/ampul	Yes	6 months	71 months	Ambient	25 °C nominal	ea.	31857

Paraquat & Diquat Calibration Mix (2 components)

Diquat dibromide monohydrate (6385-62-2)
Paraquat dichloride (1910-42-5)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
1000 µg/mL each in water, 1 mL/ampul	No	3 months	12 months	Ambient	10 °C or colder	ea.	32437

PBDE Mix (5 components)

2,2',4,4',5,5'-Hexabromobiphenyl (59080-40-9)
2,2',4,4',5,5'-Hexabromodiphenyl ether (BDE-153) (68631-49-2)
2,2',4,4',5-Pentabromodiphenyl ether (BDE-99) (60348-60-9)
2,2',4,4',6-Pentabromodiphenyl ether (BDE-100) (189084-64-8)
2,2',4,4'-Tetrabromodiphenyl ether (BDE-47) (5436-43-1)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
50 µg/mL each in isooctane:ethyl acetate (4:1), 1 mL/ampul	No	6 months	75 months	Ambient	10 °C or colder	ea.	33098

PCB 138 & PCB 153

PCB 138 (35065-28-2)
PCB 153 (35065-27-1)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
50 µg/mL each in acetonitrile, 5 mL/ampul	Yes	6 months	75 months	Ambient	10 °C or colder	ea.	33268

PCB Congener Mix, Method 8082A (19 components)

2-Chlorobiphenyl (BZ #1) (2051-60-7)
2,3-Dichlorobiphenyl (BZ #5) (16605-91-7)
2,2',5-Trichlorobiphenyl (BZ #18) (37680-65-2)
2,4',5-Trichlorobiphenyl (BZ #31) (16606-02-3)
2,2',3,5'-Tetrachlorobiphenyl (BZ #44) (41464-39-5)
2,2',5,5'-Tetrachlorobiphenyl (BZ #52) (35693-99-3)
2,3',4,4'-Tetrachlorobiphenyl (BZ #66) (32598-10-0)
2,2',3,4,5'-Pentachlorobiphenyl (BZ #87) (38380-02-8)
2,2',4,5,5'-Pentachlorobiphenyl (BZ #101) (37680-73-2)
2,3,3',4',6-Pentachlorobiphenyl (BZ #110) (38380-03-9)
2,2',3,4,4',5'-Hexachlorobiphenyl (BZ #138) (35065-28-2)
2,2',3,4,5,5'-Hexachlorobiphenyl (BZ #141) (52712-04-6)
2,2',3,5,5',6-Hexachlorobiphenyl (BZ #151) (52663-63-5)
2,2',4,4',5,5'-Hexachlorobiphenyl (BZ #153) (35065-27-1)
2,2',3,3',4,4',5-Heptachlorobiphenyl (BZ #170) (35065-30-6)
2,2',3,4,4',5,5'-Heptachlorobiphenyl (BZ #180) (35065-29-3)
2,2',3,4,4',5',6-Heptachlorobiphenyl (BZ #183) (52663-69-1)
2,2',3,4',5,5',6-Heptachlorobiphenyl (BZ #187) (52663-68-0)
2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (BZ #206) (40186-72-9)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
100 µg/mL each in isooctane, 1 mL/ampul	Yes	6 months	75 months	Ambient	10 °C or colder	ea.	32416

PCB Congener Standard #1 (6 components)

2,4,4'-Trichlorobiphenyl (BZ #28) (7012-37-5)
2,2',5,5'-Tetrachlorobiphenyl (BZ #52) (35693-99-3)
2,2',4,5,5'-Pentachlorobiphenyl (BZ #101) (37680-73-2)
2,2',3,4,4',5'-Hexachlorobiphenyl (BZ #138) (35065-28-2)
2,2',4,4',5,5'-Hexachlorobiphenyl (BZ #153) (35065-27-1)
2,2',3,4,4',5,5'-Heptachlorobiphenyl (BZ #180) (35065-29-3)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
10 µg/mL each in isooctane, 1 mL/ampul	Yes	6 months	75 months	Ambient	10 °C or colder	ea.	32290

PCB Congener Standard #2 (7 components)

2,4,4'-Trichlorobiphenyl (BZ #28) (7012-37-5)
2,2',5,5'-Tetrachlorobiphenyl (BZ #52) (35693-99-3)
2,2',4,5,5'-Pentachlorobiphenyl (BZ #101) (37680-73-2)
2,3',4,4',5-Pentachlorobiphenyl (BZ #118) (31508-00-6)
2,2',3,4,4',5'-Hexachlorobiphenyl (BZ #138) (35065-28-2)
2,2',4,4',5,5'-Hexachlorobiphenyl (BZ #153) (35065-27-1)
2,2',3,4,4',5,5'-Heptachlorobiphenyl (BZ #180) (35065-29-3)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
10 µg/mL each in isooctane, 1 mL/ampul	Yes	6 months	75 months	Ambient	25 °C nominal	ea.	32294

PCB Kit #1

1000 µg/mL each in hexane, 1 mL/ampul

32006: Aroclor 1016
Aroclor 1016 (12674-11-2)

32007: Aroclor 1221
Aroclor 1221 (11104-28-2)

32008: Aroclor 1232
Aroclor 1232 (11141-16-5)

32009: Aroclor 1242
Aroclor 1242 (53469-21-9)

32010: Aroclor 1248
Aroclor 1248 (12672-29-6)

32011: Aroclor 1254
Aroclor 1254 (11097-69-1)

32012: Aroclor 1260
Aroclor 1260 (11096-82-5)

Description	CRM?	Min Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
PCB Kit #1	Yes	6 months	Ambient	25 °C nominal	kit	32089

PCB Kit #2

200 µg/mL each in isooctane, 1 mL/ampul

32064: Aroclor 1016
Aroclor 1016 (12674-11-2)

32065: Aroclor 1221
Aroclor 1221 (11104-28-2)

32066: Aroclor 1232
Aroclor 1232 (11141-16-5)

32067: Aroclor 1242
Aroclor 1242 (53469-21-9)

32068: Aroclor 1248
Aroclor 1248 (12672-29-6)

32069: Aroclor 1254
Aroclor 1254 (11097-69-1)

32070: Aroclor 1260
Aroclor 1260 (11096-82-5)

Description	CRM?	Min Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
PCB Kit #2	Yes	6 months	Ambient	25 °C nominal	kit	32090

PCB Kit #3

1000 µg/mL each in hexane, 1 mL/ampul

32007: Aroclor 1221
Aroclor 1221 (11104-28-2)

32008: Aroclor 1232
Aroclor 1232 (11141-16-5)

32009: Aroclor 1242
Aroclor 1242 (53469-21-9)

32010: Aroclor 1248
Aroclor 1248 (12672-29-6)

32011: Aroclor 1254
Aroclor 1254 (11097-69-1)

32039: Aroclor 1016/1260
Aroclor 1016/1260

Description	CRM?	Min Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
PCB Kit #3	Yes	6 months	Ambient	25 °C nominal	kit	32400

Pesticide Matrix Spike Mix (6 components)

Aldrin (309-00-2), 25 µg/mL
γ-BHC (Lindane) (58-89-9), 25 µg/mL
4,4'-DDT (50-29-3), 50 µg/mL
Dieldrin (60-57-1), 50 µg/mL
Endrin (72-20-8), 50 µg/mL
Heptachlor (76-44-8), 25 µg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In acetone, 1 mL/ampul	Yes	6 months	48 months	Ambient	10 °C or colder	ea.	32018

Pesticide Matrix Spike Mix (2/88 SOW) (6 components)

Aldrin (309-00-2), 200 µg/mL
γ-BHC (Lindane) (58-89-9), 200 µg/mL
4,4'-DDT (50-29-3), 500 µg/mL
Dieldrin (60-57-1), 500 µg/mL
Endrin (72-20-8), 500 µg/mL
Heptachlor (76-44-8), 200 µg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In methanol, 1 mL/ampul	Yes	6 months	48 months	Ambient	10 °C or colder	ea.	32031

Pesticide Performance Evaluation Mix (6 components)

α-BHC (319-84-6), 1 µg/mL
β-BHC (319-85-7), 1 µg/mL
γ-BHC (Lindane) (58-89-9), 1 µg/mL
4,4'-DDT (50-29-3), 10 µg/mL
Endrin (72-20-8), 5 µg/mL
Methoxychlor (72-43-5), 25 µg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In hexane, 1 mL/ampul	Yes	6 months	48 months	Ambient	10 °C or colder	ea.	32002

Pesticide Performance Evaluation Mix w/Surrogates (8 components)

α-BHC (319-84-6), 1 µg/mL
β-BHC (319-85-7), 1 µg/mL
γ-BHC (Lindane) (58-89-9), 1 µg/mL
4,4'-DDT (50-29-3), 10 µg/mL
Decachlorobiphenyl (SS) (2051-24-3), 2 µg/mL
Endrin (72-20-8), 5 µg/mL
Methoxychlor (72-43-5), 25 µg/mL
2,4,5,6-Tetrachloro-*m*-xylene (SS) (877-09-8), 2 µg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In hexane, 1 mL/ampul	Yes	6 months	48 months	Ambient	10 °C or colder	ea.	32074

Pesticide Standard Mix A (9 components)

α-BHC (319-84-6), 5 µg/mL
γ-BHC (Lindane) (58-89-9), 5 µg/mL
4,4'-DDD (72-54-8), 10 µg/mL
4,4'-DDT (50-29-3), 10 µg/mL
Dieldrin (60-57-1), 10 µg/mL
Endosulfan I (959-98-8), 5 µg/mL
Endrin (72-20-8), 10 µg/mL
Heptachlor (76-44-8), 5 µg/mL
Methoxychlor (72-43-5), 50 µg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In hexane:toluene (90:10), 1 mL/ampul	Yes	6 months	48 months	Ambient	10 °C or colder	ea.	32297

Pesticide Standard Mix A w/Surrogates (11 components)

α-BHC (319-84-6), 8 µg/mL
γ-BHC (Lindane) (58-89-9), 8 µg/mL
4,4'-DDD (72-54-8), 16 µg/mL
4,4'-DDT (50-29-3), 16 µg/mL
Decachlorobiphenyl (SS) (2051-24-3), 16 µg/mL
Dieldrin (60-57-1), 16 µg/mL
Endosulfan I (959-98-8), 8 µg/mL
Endrin (72-20-8), 16 µg/mL
Heptachlor (76-44-8), 8 µg/mL
Methoxychlor (72-43-5), 80 µg/mL
2,4,5,6-Tetrachloro-*m*-xylene (SS) (877-09-8), 8 µg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
Hexane/Toluene (90:10), 1 mL/ampul	Yes	6 months	48 months	Ambient	10 °C or colder	ea.	32003

Pesticide Standard Mix B (11 components)

Aldrin (309-00-2), 5 µg/mL
β-BHC (319-85-7), 5 µg/mL
δ-BHC (319-86-8), 5 µg/mL
cis-Chlordane (5103-71-9), 5 µg/mL
trans-Chlordane (5103-74-2), 5 µg/mL
4,4'-DDE (72-55-9), 10 µg/mL
Endosulfan II (33213-65-9), 10 µg/mL
Endosulfan sulfate (1031-07-8), 10 µg/mL
Endrin aldehyde (7421-93-4), 10 µg/mL
Endrin ketone (53494-70-5), 10 µg/mL
Heptachlor epoxide (isomer B) (1024-57-3), 5 µg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In hexane:toluene (90:10), 1 mL/ampul	Yes	6 months	48 months	Ambient	10 °C or colder	ea.	32298

Pesticide Standard Mix B w/Surrogates (13 components)

Aldrin (309-00-2), 8 µg/mL
β-BHC (319-85-7), 8 µg/mL
δ-BHC (319-86-8), 8 µg/mL
cis-Chlordane (5103-71-9), 8 µg/mL
trans-Chlordane (5103-74-2), 8 µg/mL
4,4'-DDE (72-55-9), 16 µg/mL
Decachlorobiphenyl (SS) (2051-24-3), 16 µg/mL
Endosulfan II (33213-65-9), 16 µg/mL
Endosulfan sulfate (1031-07-8), 16 µg/mL
Endrin aldehyde (7421-93-4), 16 µg/mL
Endrin ketone (53494-70-5), 16 µg/mL
Heptachlor epoxide (isomer B) (1024-57-3), 8 µg/mL
2,4,5,6-Tetrachloro-*m*-xylene (SS) (877-09-8), 8 µg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
Hexane/Toluene (90:10), 1 mL/ampul	Yes	6 months	48 months	Ambient	10 °C or colder	ea.	32004

Pesticide Surrogate Mix (2 components)

Decachlorobiphenyl (2051-24-3), 200 µg/mL
2,4,5,6-Tetrachloro-*m*-xylene (877-09-8), 100 µg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In acetone, 1 mL/ampul	Yes	6 months	75 months	Ambient	0 °C or colder	ea.	32453

Pesticide Surrogate Mix (2 components)

Decachlorobiphenyl (2051-24-3)
2,4,5,6-Tetrachloro-*m*-xylene (877-09-8)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
200 µg/mL each in acetone, 1 mL/ampul	Yes	6 months	75 months	Ambient	10 °C or colder	ea.	32000
200 µg/mL each in acetone, 5 mL/ampul	Yes	6 months	75 months	Ambient	10 °C or colder	ea.	32457

Pesticides Mix #2, Method 527 (5 components)

Chlorpyrifos (2921-88-2)
Dimethoate (60-51-5)
Malathion (121-75-5)
Parathion (ethyl parathion) (56-38-2)
Terbufos sulfone (56070-16-7)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
500 µg/mL each in ethyl acetate, 1 mL/ampul	Yes	6 months	18 months	Ambient	10 °C or colder	ea.	33008

Pharmaceutical Impurities Standard (2 components)

Chloroethane (ethyl chloride) (75-00-3)
Chloromethane (methyl chloride) (74-87-3)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
5000 µg/mL each in N,N-dimethylacetamide, 1 mL/ampul	Yes	6 months	36 months	Ambient	0 °C or colder	ea.	30732

Pharmaceuticals Mix #1 (8 components)

Acetaminophen (103-90-2)
Caffeine (58-08-2)
Carbamazepine (298-46-4)
Ciprofloxacin HCL (86393-32-0)
Erythromycin USP (114-07-8)
Fluoxetine HCl (56296-78-7)
Sulfamethoxazole (723-46-6)
Trimethoprim (738-70-5)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
200 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	18 months	Ambient	10 °C or colder	ea.	31116

Pharmaceuticals Mix #2 (4 components)

Gemfibrozil (25812-30-0)
Ibuprofen (15687-27-1)
Naproxen (22204-53-1)
Triclosan (3380-34-5)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
200 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	24 months	Ambient	10 °C or colder	ea.	31118

Phenol Calibration Mix, EPA 528 (12 components)

4-Chloro-3-methylphenol (59-50-7)
2-Chlorophenol (95-57-8)
2,4-Dichlorophenol (120-83-2)
2,4-Dimethylphenol (105-67-9)
4,6-Dinitro-2-methylphenol (Dinitro-*o*-cresol) (534-52-1)
2,4-Dinitrophenol (51-28-5)
2-Methylphenol (*o*-cresol) (95-48-7)
2-Nitrophenol (88-75-5)
4-Nitrophenol (100-02-7)
Pentachlorophenol (87-86-5)
Phenol (108-95-2)
2,4,6-Trichlorophenol (88-06-2)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in methylene chloride, 1 mL/ampul	Yes	6 months	96 months	Ambient	10 °C or colder	ea.	31694

* Requirements for testing and analysis are outlined in Number 40 Code of Federal Regulations (CFR), Chapter 1, Part 141.40.

Phenols/Anilines/Pesticides Test Mix (9 components)

4-Chloroaniline (106-47-8)
4,4'-DDT (50-29-3)
2,4-Dinitrophenol (51-28-5)
Endrin (72-20-8)
Naphthalene (91-20-3)
3-Nitroaniline (99-09-2)
N-Nitroso-di-*n*-propylamine (621-64-7)
Pentachlorophenol (87-86-5)
Phenanthrene (85-01-8)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
50 µg/mL each in methylene chloride, 1 mL/ampul	Yes	6 months	36 months	Ambient	10 °C or colder	ea.	35245

Phenylurea Pesticide Mixture (8 components)

Diflubenzuron (35367-38-5)
Diuron (330-54-1)
Fluometuron (2164-17-2)
Linuron (330-55-2)
Propanil (709-98-8)
Siduron (1982-49-6)
Tebuthiuron (34014-18-1)
Thidiazuron (51707-55-2)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
200 µg/mL each in acetonitrile:acetone (90:10), 1 mL/ampul	Yes	6 months	24 months	Ambient	10 °C or colder	ea.	32434

Polar ISO Column Test Mix (8 components)

(C17) *n*-Heptadecane (629-78-7)
(C19) *n*-Nonadecane (629-92-5)
Aniline (62-53-3)
2-Chlorophenol (95-57-8)
2-Dodecanol (10203-28-8)
Methyl dodecanoate
2-Nonanone (821-55-6)
1-Octanol (111-87-5)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
250 µg/mL each in 1,2-dichloroethane, 1 mL/ampul	No	3 months	12 months	Ambient	10 °C or colder	ea.	35103

Propylene Glycol Standard Mix (3 components)

Diethylene glycol (111-46-6), 0.5 mg/mL
Ethylene glycol (107-21-1), 0.5 mg/mL
Propylene glycol (57-55-6), 20 mg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In P&T methanol, 1 mL/ampul	Yes	6 months	36 months	Ambient	10 °C or colder	ea.	31892

PVOC Mix (California) (7 components)

Benzene (71-43-2)
Ethylbenzene (100-41-4)
Methyl *tert*-butyl ether (MTBE) (1634-04-4)
Toluene (108-88-3)
m-Xylene (108-38-3)
o-Xylene (95-47-6)
p-Xylene (106-42-3)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
1000 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	85 months	Ambient	0 °C or colder	ea.	30231

PVOC/GRO Mix (Wisconsin) (10 components)

Benzene (71-43-2)
Ethylbenzene (100-41-4)
Methyl *tert*-butyl ether (MTBE) (1634-04-4)
Naphthalene (91-20-3)
Toluene (108-88-3)
1,2,4-Trimethylbenzene (95-63-6)
1,3,5-Trimethylbenzene (108-67-8)
m-Xylene (108-38-3)
o-Xylene (95-47-6)
p-Xylene (106-42-3)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
1000 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	85 months	Ambient	0 °C or colder	ea.	30095

Q-BOND and U-BOND Column Test Mix (7 components)

(C5) *n*-Pentane (109-66-0)
(C6) *n*-Hexane (110-54-3)
Acetone (67-64-1)
Diethyl ether (ethyl ether) (60-29-7)
Ethanol (64-17-5)
Ethyl acetate (141-78-6)
Methanol (67-56-1)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
0.1% vol/vol each in heptane, 1 mL/ampul	Yes	6 months	24 months	Ambient	10 °C or colder	ea.	35202

Qualitative Retention Time Index Standard (27 components)

(C7) *n*-Heptane (142-82-5), 100 µg/mL
(C8) *n*-Octane (111-65-9), 100 µg/mL
(C9) *n*-Nonane (111-84-2), 100 µg/mL
(C10) *n*-Decane (124-18-5), 100 µg/mL
(C11) *n*-Undecane (1120-21-4), 100 µg/mL
(C12) *n*-Dodecane (112-40-3), 100 µg/mL
(C13) *n*-Tridecane (629-50-5), 100 µg/mL
(C14) *n*-Tetradecane (629-59-4), 100 µg/mL
(C15) *n*-Pentadecane (629-62-9), 200 µg/mL
(C16) *n*-Hexadecane (544-76-3), 100 µg/mL
(C17) *n*-Heptadecane (629-78-7), 100 µg/mL
(C18) *n*-Octadecane (593-45-3), 100 µg/mL
(C19) *n*-Nonadecane (629-92-5), 100 µg/mL
(C20) *n*-Eicosane (112-95-8), 100 µg/mL
(C21) *n*-Heneicosane (629-94-7), 100 µg/mL
(C22) *n*-Docosane (629-97-0), 100 µg/mL
(C23) *n*-Tricosane (638-67-5), 100 µg/mL
(C24) *n*-Tetracosane (646-31-1), 100 µg/mL
(C25) *n*-Pentacosane (629-99-2), 100 µg/mL
(C26) *n*-Hexacosane (630-01-3), 100 µg/mL
(C27) *n*-Heptacosane (593-49-7), 100 µg/mL
(C28) *n*-Octacosane (630-02-4), 100 µg/mL
(C29) *n*-Nonacosane (630-03-5), 100 µg/mL
(C30) *n*-Triacontane (638-68-6), 200 µg/mL
(C31) *n*-Hentriacontane (630-04-6), 200 µg/mL
(C32) *n*-Dotriacontane (544-85-4), 200 µg/mL
(C33) *n*-Tritriacontane (630-05-7), 200 µg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
100-200 µg/mL in hexane, 1 mL/ampul	Yes	6 months	85 months	Ambient	10 °C or colder	No	ea.	31080

Quality Control Standard Mixture (2 components)

Diesel #2 (additive-free) (68334-30-5)
Mineral oil (additive-free [i.e., USP grade] bp 391–522 or C24–C40 retention time range) (8042-47-5)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
500 µg/mL each in acetone, 1 mL/ampul (1 mL is enough mix to spike one quality control sample). Total hydrocarbon concentration is 1000 µg/mL.	Yes	6 months	85 months	Ambient	25 °C nominal	ea.	31631

Quality Control Standard Mixture, Revised (2 components)

Diesel #2 (additive-free) (68334-30-5)
Motor oil (additive-free bp 325–460 or C18–C32 retention time range) (64742-65-0)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
500 µg/mL each in acetone, 1 mL/ampul (1 mL is enough mix to spike one 900 mL quality control sample). Total hydrocarbon concentration is 1000 µg/mL.	Yes	6 months	85 months	Ambient	25 °C nominal	ea.	31641

QuEChERS Internal Standard Mix for GC-MS Analysis (6 components)

PCB 18 (37680-65-2), 50 µg/mL
PCB 28 (7012-37-5), 50 µg/mL
PCB 52 (35693-99-3), 50 µg/mL
Triphenylmethane (519-73-3), 10 µg/mL
Triphenylphosphate (115-86-6), 20 µg/mL
Tris(1,3-dichloroisopropyl)phosphate (13674-87-8), 50 µg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In acetonitrile, 5 mL/ampul	Yes	6 months	75 months	Ambient	10 °C or colder	ea.	33267

QuEChERS Internal Standard Mix for GC-NPD and LC-MS/MS Analysis (2 components)

Triphenylphosphate (115-86-6), 20 µg/mL

Tris(1,3-dichloroisopropyl)phosphate (13674-87-8), 50 µg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In acetonitrile, 5 mL/ampul	Yes	6 months	75 months	Ambient	10 °C or colder	ea.	33266

QuEChERS Performance Standard A (16 components)

Acephate (30560-19-1)
Azinphos methyl (86-50-0)
Chlorpyrifos (2921-88-2)
Coumaphos (56-72-4)
Diazinon (333-41-5)
Dichlofluanid (1085-98-9)
Dichlorvos (DDVP) (62-73-7)
Dimethoate (60-51-5)
Fenthion (55-38-9)
Malathion (121-75-5)
Methamidophos (10265-92-6)
Mevinphos (7786-34-7)
Omethoate (1113-02-6)
Phosalone (2310-17-0)
Pirimiphos methyl (29232-93-7)
Propargite (2312-35-8)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
300 µg/mL each in acetonitrile:acetic acid (99.9:0.1), 1 mL/ampul	Yes	3 months	12 months	Ambient	10 °C or colder	ea.	31153

QuEChERS Performance Standard B (7 components)

gamma-BHC (Lindane) (58-89-9)
Chlorothalonil (1897-45-6)
4,4'-DDT (50-29-3)
Dicofol (Kelthane) (115-32-2)
Endosulfan sulfate (1031-07-8)
Endrin (72-20-8)
2-Phenylphenol (90-43-7)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
300 µg/mL each in acetonitrile:acetic acid (99.9:0.1), 1 mL/ampul	Yes	6 months	24 months	Ambient	10 °C or colder	ea.	31154

QuEChERS Performance Standard C (17 components)

Bifenthrin (82657-04-3)
Captan (133-06-2)
Carbaryl (Sevin) (63-25-2)
Cyprodinil (121552-61-2)
Deltamethrin (52918-63-5)
Fenhexamid (126833-17-8)
Fenpropathrin (39515-41-8)
Folpet (133-07-3)
Imazalil (35554-44-0)
Iprodione (36734-19-7)
Metalaxyl (57837-19-1)
Methiocarb (2032-65-7)
Myclobutanil (88671-89-0)
cis-Permethrin (61949-76-6)
trans-Permethrin (61949-77-7)
Thiabendazole (148-79-8)
Vinclozolin (50471-44-8)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
300 µg/mL each in acetonitrile:acetic acid (99.9:0.1), 1 mL/ampul	Yes	6 months	24 months	Ambient	10 °C or colder	ea.	31155

QuEChERS Performance Standards Kit

300 µg/mL each in acetonitrile/acetic acid (99.9:0.1), 1 mL/ampul. Blend equal volumes of all three ampuls for a 100 µg/mL final solution.

Cat.# 31153: QuEChERS Performance Standard A (16 components)
Acephate (30560-19-1)
Azinphos methyl (86-50-0)
Chlorpyrifos (2921-88-2)
Coumaphos (56-72-4)
Diazinon (333-41-5)
Dichlofluanid (1085-98-9)
Dichlorvos (DDVP) (62-73-7)
Dimethoate (60-51-5)
Fenthion (55-38-9)
Malathion (121-75-5)
Methamidophos (10265-92-6)
Mevinphos (7786-34-7)
Omethoate (1113-02-6)
Phosalone (2310-17-0)
Pirimiphos methyl (29232-93-7)
Propargite (2312-35-8)

Cat.# 31154: QuEChERS Performance Standard B (7 components)
gamma-BHC (Lindane) (58-89-9)
Chlorothalonil (1897-45-6)
4,4'-DDT (50-29-3)
Dicofol (Kelthane) (115-32-2)
Endosulfan sulfate (1031-07-8)
Endrin (72-20-8)
2-Phenylphenol (90-43-7)

Cat.# 31155: QuEChERS Performance Standard C (17 components)
Bifenthrin (82657-04-3)
Captan (133-06-2)
Carbaryl (Sevin) (63-25-2)
Cyprodinil (121552-61-2)
Deltamethrin (52918-63-5)
Fenhexamid (126833-17-8)
Fenpropathrin (39515-41-8)
Folpet (133-07-3)
Imazalil (35554-44-0)
Iprodione (36734-19-7)
Metalaxyl (57837-19-1)
Methiocarb (2032-65-7)
Myclobutanil (88671-89-0)
cis-Permethrin (61949-76-6)
trans-Permethrin (61949-77-7)
Thiabendazole (148-79-8)
Vinclozolin (50471-44-8)

Description	CRM?	Min Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
QuEChERS Performance Standards Kit	Yes	3 months	Ambient	10 °C or colder	kit	31152

Residual Range Calibration Standard (RCS) (2 components)

SAE30 motor oil:SAE40 motor oil (1:1) (64742-65-0)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
50,000 µg/mL in methylene chloride, 1 mL/ampul	Yes	6 months	85 months	Ambient	25 °C nominal	ea.	31817

Residual Range Calibration Verification Standard (CVS) (2 components)

SAE30 motor oil:SAE40 motor oil (1:1) (64742-65-0)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
25000 µg/mL in methylene chloride, 1 mL/ampul	Yes	6 months	85 months	Ambient	25 °C nominal	ea.	31818

Residual Solvents #1 (20 components)

Acetone (67-64-1)
Acetonitrile (75-05-8)
Benzene (71-43-2)
Chloroform (67-66-3)
Cyclohexane (110-82-7)
1,2-Dichloroethane (107-06-2)
Diethyl ether (ethyl ether) (60-29-7)
Ethanol (64-17-5)
Ethyl acetate (141-78-6)
(C7) *n*-Heptane (142-82-5)
(C6) *n*-Hexane (110-54-3)
Methanol (67-56-1)
Methylene chloride (75-09-2)
(C5) *n*-Pentane (109-66-0)
2-Propanol (isopropanol) (67-63-0)
Toluene (108-88-3)
Trichloroethene (trichloroethylene) (79-01-6)
m-Xylene (108-38-3)
o-Xylene (95-47-6)
p-Xylene (106-42-3)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
3000 µg/mL in N,N-Dimethylacetamide, 1 mL/ampul	Yes	6 months	45 months	Ambient	10 °C or colder	ea.	34105

Residual Solvents - Class 1 (5 components)

Benzene (71-43-2), 10 mg/mL
Carbon tetrachloride (56-23-5), 20 mg/mL
1,2-Dichloroethane (107-06-2), 25 mg/mL
1,1-Dichloroethene (75-35-4), 40 mg/mL
1,1,1-Trichloroethane (71-55-6), 50 mg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In dimethyl sulfoxide, 1 mL/ampul	Yes	6 months	36 months	Ambient	10 °C or colder	ea.	36279

Residual Solvents Class 2 - Mix A (15 components)

Acetonitrile (75-05-8), 2.05 mg/mL
Chlorobenzene (108-90-7), 1.80 mg/mL
Cyclohexane (110-82-7), 19.40 mg/mL
cis-1,2-Dichloroethene (156-59-2), 4.70 mg/mL
trans-1,2-Dichloroethene (156-60-5), 4.70 mg/mL
1,4-Dioxane (123-91-1), 1.90 mg/mL
Ethylbenzene (100-41-4), 1.84 mg/mL
Methanol (67-56-1), 15.00 mg/mL
Methylcyclohexane (108-87-2), 5.90 mg/mL
Methylene chloride (dichloromethane) (75-09-2), 3.00 mg/mL
Tetrahydrofuran (109-99-9), 3.45 mg/mL
Toluene (108-88-3), 4.45 mg/mL
m-Xylene (108-38-3), 6.51 mg/mL
o-Xylene (95-47-6), 0.98 mg/mL
p-Xylene (106-42-3), 1.52 mg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In dimethyl sulfoxide, 1 mL/ampul	Yes	6 months	36 months	Ambient	10 °C or colder	ea.	36271

Residual Solvents Class 2 - Mix A (2013 Rev) (16 components)

Acetonitrile (75-05-8), 2.05 mg/mL
Chlorobenzene (108-90-7), 1.8 mg/mL
Cyclohexane (110-82-7), 19.4 mg/mL
cis-1,2-Dichloroethene (156-59-2), 4.675 mg/mL
trans-1,2-Dichloroethene (156-60-5), 4.675 mg/mL
1,4-Dioxane (123-91-1), 1.9 mg/mL
Ethylbenzene (100-41-4), 1.84 mg/mL
Isopropylbenzene (cumene) (98-82-8), 0.35 mg/mL
Methanol (67-56-1), 15 mg/mL
Methylcyclohexane (108-87-2), 5.9 mg/mL
Methylene chloride (dichloromethane) (75-09-2), 3 mg/mL
Tetrahydrofuran (109-99-9), 3.6 mg/mL
Toluene (108-88-3), 4.45 mg/mL
m-Xylene (108-38-3), 6.51 mg/mL
o-Xylene (95-47-6), 0.98 mg/mL
p-Xylene (106-42-3), 1.52 mg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In dimethyl sulfoxide, 1 mL/ampul	Yes	6 months	36 months	Ambient	10 °C or colder	ea.	36012

Residual Solvents Class 2 - Mix B (8 components)

(C6) *n*-Hexane (110-54-3), 1450 µg/mL
Chloroform (67-66-3), 300 µg/mL
1,2-Dimethoxyethane (110-71-4), 500 µg/mL
2-Hexanone (591-78-6), 250 µg/mL
Nitromethane (75-52-5), 250 µg/mL
Pyridine (110-86-1), 1000 µg/mL
Tetralin (119-64-2), 500 µg/mL
Trichloroethene (79-01-6), 400 µg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In dimethyl sulfoxide**, 1 mL/ampul	Yes	6 months	36 months	Ambient	10 °C or colder	ea.	36272

Residual Solvents Class 2 - Mix B (8 components)

(C6) *n*-Hexane (110-54-3), 290 µg/mL
Chloroform (67-66-3), 60 µg/mL
1,2-Dimethoxyethane (110-71-4), 100 µg/mL
2-Hexanone (591-78-6), 50 µg/mL
Nitromethane (75-52-5), 50 µg/mL
Pyridine (110-86-1), 200 µg/mL
Tetralin (119-64-2), 100 µg/mL
Trichloroethene (79-01-6), 80 µg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In dimethyl sulfoxide**, 1 mL/ampul	Yes	6 months	36 months	Ambient	10 °C or colder	ea.	36280

Residual Solvents Class 2 - Mix C (8 components)

2-Ethoxyethanol (110-80-5), 800 µg/mL
Ethylene glycol (107-21-1), 3100 µg/mL
Formamide (75-12-7), 1100 µg/mL
N,N-Dimethylacetamide (127-19-5), 5450 µg/mL
N,N-Dimethylformamide (68-12-2), 4400 µg/mL
2-Methoxyethanol (Methyl Cellosolve) (109-86-4), 250 µg/mL
N-Methylpyrrolidone (872-50-4), 2650 µg/mL
Sulfolane (126-33-0), 800 µg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In dimethyl sulfoxide, 1 mL/ampul	Yes	6 months	36 months	Ambient	10 °C or colder	ea.	36273

Residual Solvents Class 3 - Mix A (24 Components)

Acetone (67-64-1)
Anisole (100-66-3)
1-Butanol (71-36-3)
2-Butanol (*sec*-butyl alcohol) (78-92-2)
2-Butanone (MEK) (78-93-3)
Butyl acetate (123-86-4)
Diethyl ether (ethyl ether) (60-29-7)
Dimethyl sulfoxide (DMSO) (67-68-5)
Ethanol (64-17-5)
Ethyl acetate (141-78-6)
Ethyl formate (109-94-4)
(C7) *n*-Heptane (142-82-5)
Isobutanol (2-methyl-1-propanol) (78-83-1)
Isobutyl acetate (110-19-0)
Isopropyl acetate (108-21-4)
Methyl acetate (79-20-9)
3-Methyl-1-butanol (isoamyl alcohol) (123-51-3)
4-Methyl-2-pentanone (MIBK) (108-10-1)
Methyl-*tert*-butyl ether (MTBE) (1634-04-4)
(C5) *n*-Pentane (109-66-0)
1-Pentanol (71-41-0)
1-Propanol (71-23-8)
2-Propanol (isopropanol) (67-63-0)
Propyl acetate (109-60-4)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
5000 µg/mL in N,N-Dimethylformamide, 1 mL/ampul	Yes	6 months	24 months	Ambient	0 °C or colder	No	ea.	36013

Residual Solvents Class 3 - Mix B (2 components)

Acetic acid (64-19-7)
Formic acid (64-18-6)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
5000 µg/mL in N,N-Dimethylformamide, 1 mL/ampul	Yes	6 months	24 months	Ambient	10 °C or colder	ea.	36014

Retention Time Marker (3 components)

(C6) *n*-Hexane (110-54-3)
(C10) *n*-Decane (124-18-5)
(C12) *n*-Dodecane (112-40-3)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
1000 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	85 months	Ambient	0 °C or colder	ea.	30483

Revised B/N Surrogate Mix (4 components)

2-Fluorobiphenyl (321-60-8)
Nitrobenzene-d5 (4165-60-0)
p-Terphenyl-d14 (1718-51-0)
Pyrene-d10 (1718-52-1)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
1000 µg/mL each in methylene chloride, 1 mL/ampul	Yes	6 months	78 months	Ambient	10 °C or colder	ea.	31887
5000 µg/mL each in methylene chloride, 1 mL/ampul	Yes	6 months	71 months	Ambient	10 °C or colder	ea.	31888
	Yes	6 months		Ambient	10 °C or colder	15-pk.	31888.15
5000 µg/mL each in methylene chloride, 5 mL/ampul	Yes	6 months	71 months	Ambient	10 °C or colder	ea.	31889

Revised GPC Calibration Mix (5 components)

Bis(2-ethylhexyl)phthalate (117-81-7), 5 mg/mL
Corn oil (8001-30-7), 250 mg/mL
Methoxychlor (72-43-5), 1.0 mg/mL
Perylene (198-55-0), 0.2 mg/mL
Sulfur (7704-34-9), 0.8 mg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	Data pack available?	qty.	cat.#
In methylene chloride, 1 mL/ampul	No	6 months	52 months	Ambient	10 °C or colder	No	ea.	32041
In methylene chloride, 5 mL/ampul	No	6 months	52 months	Ambient	10 °C or colder	No	ea.	32042

Revised SV Internal Standard Mix (7 components)

Acenaphthene-d10 (15067-26-2)
Chrysene-d12 (1719-03-5)
1,4-Dichlorobenzene-d4 (3855-82-1)
1,4-Dioxane-d8 (17647-74-4)
Naphthalene-d8 (1146-65-2)
Perylene-d12 (1520-96-3)
Phenanthrene-d10 (1517-22-2)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in methylene chloride, 1 mL/ampul	Yes	6 months	71 months	Ambient	10 °C or colder	ea.	31885
4000 µg/mL each in methylene chloride, 1 mL/ampul	Yes	6 months	71 months	Ambient	10 °C or colder	ea.	31886

Rxi Test Mix (250 ppm) (8 components)

(C9:0 FAME) Methyl nonanoate (1731-84-6)
(C13) *n*-Tridecane (629-50-5)
(C15) *n*-Pentadecane (629-62-9)
Acenaphthylene (208-96-8)
4-Chlorophenol (106-48-9)
n-Decylamine (2016-57-1)
1,6-Hexanediol (629-11-8)
1-Undecanol (112-42-5)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
250 µg/mL each in toluene, 1 mL/ampul	Yes	3 months	12 months	Ambient	10 °C or colder	ea.	35248

Rxi Test Mix (Rev. A) (8 components)

(C9:0) Methyl nonanoate (1731-84-6)
(C13) *n*-Tridecane (629-50-5)
(C15) *n*-Pentadecane (629-62-9)
Acenaphthylene (208-96-8)
4-Chlorophenol (106-48-9)
n-Decylamine (2016-57-1)
1,6-Hexanediol (629-11-8)
1-Undecanol (112-42-5)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
1000 µg/mL each in toluene, 1 mL/ampul	No	3 months	12 months	Ambient	10 °C or colder	ea.	35241

Semivolatile Calibration Kit #3 (with benzidine)

Contains 1 mL each of these mixtures.

31007: SV Calibration Mix #1
Benzyl alcohol (100-51-6)
4-Chloroaniline (106-47-8)
2-Nitroaniline (88-74-4)
3-Nitroaniline (99-09-2)
4-Nitroaniline (100-01-6)

31008: SV Calibration Mix #2
Benzoic acid (65-85-0)
4-Chloro-3-methylphenol (59-50-7)
2-Chlorophenol (95-57-8)
2,4-Dichlorophenol (120-83-2)
2,4-Dimethylphenol (105-67-9)
4,6-Dinitro-2-methylphenol (Dinitro-*o*-cresol) (534-52-1)
2,4-Dinitrophenol (51-28-5)
2-Methylphenol (*o*-cresol) (95-48-7)
4-Methylphenol (*p*-cresol) (106-44-5)
2-Nitrophenol (88-75-5)
4-Nitrophenol (100-02-7)
Pentachlorophenol (87-86-5)
Phenol (108-95-2)
2,4,5-Trichlorophenol (95-95-4)
2,4,6-Trichlorophenol (88-06-2)

31009: SV Calibration Mix #3
Bis(2-chloroethoxy)methane (111-91-1)
Bis(2-chloroethyl)ether (111-44-4)
Bis(2-ethylhexyl)phthalate (117-81-7)
4-Bromophenyl phenyl ether (101-55-3)
Benzyl butyl phthalate (85-68-7)
2-Chloronaphthalene (91-58-7)
4-Chlorophenyl phenyl ether (7005-72-3)
Dimethylphthalate (131-11-3)
Di-*n*-butylphthalate (84-74-2)
Di-*n*-octyl phthalate (117-84-0)
N-Nitrosodimethylamine (62-75-9)
N-Nitroso-di-*n*-propylamine (621-64-7)
N-Nitrosodiphenylamine (86-30-6)
2,2'-Oxybis(1-chloropropane) (108-60-1)

31010: SV Calibration Mix #4
Carbazole (86-74-8)
Dibenzofuran (132-64-9)
Diethylphthalate (84-66-2)
2,4-Dinitrotoluene (121-14-2)
2,6-Dinitrotoluene (606-20-2)
Hexachlorobenzene (118-74-1)
Hexachlorobutadiene (87-68-3)
Hexachlorocyclopentadiene (77-47-4)
Hexachloroethane (67-72-1)
Isophorone (78-59-1)
2-Methylnaphthalene (91-57-6)
Nitrobenzene (98-95-3)
1,2,4-Trichlorobenzene (120-82-1)

31011: SV Calibration Mix #5/610 PAH Mix
Acenaphthene (83-32-9)
Acenaphthylene (208-96-8)
Anthracene (120-12-7)
Benz[a]anthracene (56-55-3)
Benzo[a]pyrene (50-32-8)
Benzo[b]fluoranthene (205-99-2)
Benzo[k]fluoranthene (207-08-9)
Benzo[g,h,i]perylene (191-24-2)
Chrysene (218-01-9)
Dibenz[a,h]anthracene (53-70-3)
Fluoranthene (206-44-0)
Fluorene (86-73-7)
Indeno[1,2,3-cd]pyrene (193-39-5)
Naphthalene (91-20-3)
Phenanthrene (85-01-8)
Pyrene (129-00-0)

31013: SV Calibration Mix #7
1,2-Dichlorobenzene (95-50-1)
1,3-Dichlorobenzene (541-73-1)
1,4-Dichlorobenzene (106-46-7)

31030: 605 Benzidines Calibration Mix
Benzidine (92-87-5)
3,3'-Dichlorobenzidine (91-94-1)

Description	CRM?	Min Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
Semivolatile Calibration Kit #3 (with benzidine)	Yes	6 months	Ambient	10 °C or colder	kit	31463

Semivolatiles MegaMix Standard, EPA Method 625 (54 components)

Acenaphthene (83-32-9)
Acenaphthylene (208-96-8)
Anthracene (120-12-7)
Benz[a]anthracene (56-55-3)
Benzo[a]pyrene (50-32-8)
Benzo[b]fluoranthene (205-99-2)
Benzo[g,h,i]perylene (191-24-2)
Benzo[k]fluoranthene (207-08-9)
Benzyl butyl phthalate (85-68-7)
Bis(2-chloroethoxy)methane (111-91-1)
Bis(2-chloroethyl)ether (111-44-4)
Bis(2-ethylhexyl)phthalate (117-81-7)
4-Bromophenyl phenyl ether (101-55-3)
4-Chloro-3-methylphenol (59-50-7)
2-Chloronaphthalene (91-58-7)
2-Chlorophenol (95-57-8)
4-Chlorophenyl phenyl ether (7005-72-3)
Chrysene (218-01-9)
Dibenz[a,h]anthracene (53-70-3)
1,2-Dichlorobenzene (95-50-1)
1,3-Dichlorobenzene (541-73-1)
1,4-Dichlorobenzene (106-46-7)
2,4-Dichlorophenol (120-83-2)
Diethylphthalate (84-66-2)
2,4-Dimethylphenol (105-67-9)
Dimethylphthalate (131-11-3)
Di-*n*-butylphthalate (84-74-2)
4,6-Dinitro-2-methylphenol (Dinitro-*o*-cresol) (534-52-1)
2,4-Dinitrophenol (51-28-5)
2,4-Dinitrotoluene (121-14-2)
2,6-Dinitrotoluene (606-20-2)
Di-*n*-octyl phthalate (117-84-0)
Diphenylamine (122-39-4)*
Fluoranthene (206-44-0)
Fluorene (86-73-7)
Hexachlorobenzene (118-74-1)
Hexachloro-1,3-butadiene (87-68-3)
Hexachlorocyclopentadiene (77-47-4)*
Hexachloroethane (67-72-1)
Indeno[1,2,3-cd]pyrene (193-39-5)
Isophorone (78-59-1)
Naphthalene (91-20-3)
Nitrobenzene (98-95-3)
2-Nitrophenol (88-75-5)
4-Nitrophenol (100-02-7)
N-Nitrosodimethylamine (62-75-9)*
N-Nitroso-di-*n*-propylamine (621-64-7)
2,2'-Oxybis(1-chloropropane) (108-60-1)
Pentachlorophenol (87-86-5)
Phenanthrene (85-01-8)
Phenol (108-95-2)
Pyrene (129-00-0)
1,2,4-Trichlorobenzene (120-82-1)
2,4,6-Trichlorophenol (88-06-2)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
1000 µg/mL each in methylene chloride, 1 mL/ampul	Yes	6 months	18 months	Ambient	0 °C or colder	ea.	*31829*

*Listed as an "additional compound" in Method 625 (listed compound N-nitrosodiphenylamine decomposes to MegaMix component diphenylamine). The six other "additional compounds" are components in other Restek reference mixes used for Method 625: benzidine is included in cat.# 31030; β-BHC, δ-BHC, endosulfan I, endosulfan II, endrin are in cat.# 32291 and cat.# 32415.

SOM01.1 Deuterated Monitoring Compound Mix SIM Compounds (2 components)

Fluoranthene-d10 (93951-69-0)
2-Methylnaphthalene-d10 (7297-45-2)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in methylene chloride, 1 mL/ampul	Yes	6 months	71 months	Ambient	10 °C or colder	ea.	*33913*

SOM01.1 SVOA MegaMix Kit

Contains 1 mL each of these mixtures.

31900: SOM01.1 SVOA MegaMix Standard, Revised

Acenaphthene (83-32-9)
Acenaphthylene (208-96-8)
Acetophenone (98-86-2)
Anthracene (120-12-7)
Benz[a]anthracene (56-55-3)
Benzo[a]pyrene (50-32-8)
Benzo[b]fluoranthene (205-99-2)
Benzo[g,h,i]perylene (191-24-2)
Benzo[k]fluoranthene (207-08-9)
Benzyl butyl phthalate (85-68-7)
Biphenyl (92-52-4)
Bis(2-chloroethoxy)methane (111-91-1)
Bis(2-chloroethyl)ether (111-44-4)
Bis(2-ethylhexyl)phthalate (117-81-7)
4-Bromophenyl-phenylether (101-55-3)
Carbazole (86-74-8)
4-Chloroaniline (106-47-8)
4-Chloro-3-methylphenol (59-50-7)
2-Chloronaphthalene (91-58-7)
2-Chlorophenol (95-57-8)
4-Chloropheny phenylether (7005-72-3)
Chrysene (218-01-9)
Dibenz[a,h]anthracene (53-70-3)
Dibenzofuran (132-64-9)
3,3'-Dichlorobenzidine (91-94-1)
2,4-Dichlorophenol (120-83-2)
Diethylphthalate (84-66-2)
2,4-Dimethylphenol (105-67-9)
Dimethylphthalate (131-11-3)
Di-*n*-butylphthalate (84-74-2)
4,6-Dinitro-2-methylphenol (Dinitro-*o*-cresol) (534-52-1)
2,4-Dinitrophenol (51-28-5)
2,4-Dinitrotoluene (121-14-2)
2,6-Dinitrotoluene (606-20-2)
Di-*n*-octyl phthalate (117-84-0)
Diphenylamine (122-39-4)*
Fluoranthene (206-44-0)
Fluorene (86-73-7)
Hexachlorobenzene (118-74-1)
Hexachloro-1,3-butadiene (hexachlorobutadiene) (87-68-3)
Hexachlorocyclopentadiene (77-47-4)
Hexachloroethane (67-72-1)
Indeno[1,2,3-cd]pyrene (193-39-5)
Isophorone (78-59-1)
2-Methylnaphthalene (91-57-6)
2-Methylphenol (*o*-cresol) (95-48-7)
3-Methylphenol (*m*-cresol) (108-39-4)
4-Methylphenol (*p*-cresol) (106-44-5)
Naphthalene (91-20-3)
2-Nitroaniline (88-74-4)
3-Nitroaniline (99-09-2)
4-Nitroaniline (100-01-6)
Nitrobenzene (98-95-3)
2-Nitrophenol (88-75-5)
4-Nitrophenol (100-02-7)
N-Nitroso-di-*n*-propylamine (621-64-7)
2,2'-Oxybis(1-chloropropane) (108-60-1)
Pentachlorophenol (87-86-5)
Phenanthrene (85-01-8)
Phenol (108-95-2)
Pyrene (129-00-0)
1,2,4,5-Tetrachlorobenzene (95-94-3)
2,3,4,6-Tetrachlorophenol (58-90-2)
2,4,5-Trichlorophenol (95-95-4)
2,4,6-Trichlorophenol (88-06-2)

31902: CLP/SVOA Additions Mix

Atrazine (1912-24-9)
Benzaldehyde (100-52-7)
ε-Caprolactam (105-60-2)

Description	CRM?	Min Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
SOM01.1 SVOA MegaMix Kit	Yes	6 months	Ambient	0 °C or colder	kit	*31904*

SOM01.1 SVOA MegaMix Standard, Revised (65 components)

Acenaphthene (83-32-9)
Acenaphthylene (208-96-8)
Acetophenone (98-86-2)
Anthracene (120-12-7)
Benz[a]anthracene (56-55-3)
Benzo[a]pyrene (50-32-8)
Benzo[b]fluoranthene (205-99-2)
Benzo[g,h,i]perylene (191-24-2)
Benzo[k]fluoranthene (207-08-9)
Benzyl butyl phthalate (85-68-7)
Biphenyl (92-52-4)
Bis(2-chloroethoxy)methane (111-91-1)
Bis(2-chloroethyl)ether (111-44-4)
Bis(2-ethylhexyl)phthalate (117-81-7)
4-Bromophenyl-phenylether (101-55-3)
Carbazole (86-74-8)
4-Chloroaniline (106-47-8)
4-Chloro-3-methylphenol (59-50-7)
2-Chloronaphthalene (91-58-7)
2-Chlorophenol (95-57-8)
4-Chloropheny phenylether (7005-72-3)
Chrysene (218-01-9)
Dibenz[a,h]anthracene (53-70-3)
Dibenzofuran (132-64-9)
3,3'-Dichlorobenzidine (91-94-1)
2,4-Dichlorophenol (120-83-2)
Diethylphthalate (84-66-2)
2,4-Dimethylphenol (105-67-9)
Dimethylphthalate (131-11-3)
Di-*n*-butylphthalate (84-74-2)
4,6-Dinitro-2-methylphenol (Dinitro-*o*-cresol) (534-52-1)
2,4-Dinitrophenol (51-28-5)
2,4-Dinitrotoluene (121-14-2)
2,6-Dinitrotoluene (606-20-2)
Di-*n*-octyl phthalate (117-84-0)
Diphenylamine (122-39-4)*
Fluoranthene (206-44-0)
Fluorene (86-73-7)
Hexachlorobenzene (118-74-1)
Hexachloro-1,3-butadiene (hexachlorobutadiene) (87-68-3)
Hexachlorocyclopentadiene (77-47-4)
Hexachloroethane (67-72-1)
Indeno[1,2,3-cd]pyrene (193-39-5)
Isophorone (78-59-1)
2-Methylnaphthalene (91-57-6)
2-Methylphenol (*o*-cresol) (95-48-7)
3-Methylphenol (*m*-cresol) (108-39-4)
4-Methylphenol (*p*-cresol) (106-44-5)
Naphthalene (91-20-3)
2-Nitroaniline (88-74-4)
3-Nitroaniline (99-09-2)
4-Nitroaniline (100-01-6)
Nitrobenzene (98-95-3)
2-Nitrophenol (88-75-5)
4-Nitrophenol (100-02-7)
N-Nitroso-di-*n*-propylamine (621-64-7)
2,2'-Oxybis(1-chloropropane) (108-60-1)
Pentachlorophenol (87-86-5)
Phenanthrene (85-01-8)
Phenol (108-95-2)
Pyrene (129-00-0)
1,2,4,5-Tetrachlorobenzene (95-94-3)
2,3,4,6-Tetrachlorophenol (58-90-2)
2,4,5-Trichlorophenol (95-95-4)
2,4,6-Trichlorophenol (88-06-2)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
1000 µg/mL each in methylene chloride (3-methylphenol and 4-methylphenol at 500 µg/mL), 1 mL/ampul	Yes	6 months	18 months	Ambient	0 °C or colder	ea.	31900

*N-nitrosodiphenylamine (CLP-listed analyte) decomposes to diphenylamine (mix component) in the injector.

SOM01.1 VOA Ketone Deuterated Monitoring Compounds (2 components)

2-Butanone-d5 (24313-50-6)
2-Hexanone-d5 (4840-82-8)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
500 µg/mL each in deuterium oxide (D_2O), 1 mL/ampul	Yes	6 months	18 months	Ambient	10 °C or colder	ea.	30625

SOM01.1 VOA Non-Ketone Deuterated Monitoring Compounds (11 components)

Benzene-d6 (1076-43-3)
Chloroethane-d5 (19199-91-8)
Chloroform-d (865-49-6)
1,2-Dichlorobenzene-d4 (2199-69-1)
1,2-Dichloroethane-d4 (17060-07-0)
1,1-Dichloroethene-d2 (22280-73-5)
1,2-Dichloropropane-d6 (93952-08-0)
1,3-Dichloropropene-d4 (202656-23-3)*
1,1,2,2-Tetrachloroethane-d2 (33685-54-0)
Toluene-d8 (2037-26-5)
Vinyl chloride-d3 (6745-35-3)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
500 µg/mL each in deuterated methanol (MeOD), 1 mL/ampul	Yes	6 months	36 months	Ambient	0 °C or colder	ea.	30624

*Mix of *cis* and *trans* isomers. Exact proportions will be reported on the data sheet.

Sorbitol Standard Mix (2 components)

Diethylene glycol (111-46-6)
Ethylene glycol (107-21-1)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
0.8 mg/mL each in acetone:water (96:4), 1 mL/ampul	Yes	6 months	36 months	Ambient	10 °C or colder	ea.	31893

Speciated Sulfur System Suitability Checkout Standard (SSSSCS)

0.50 ppm total sulfur by weight from dimethylsulfide
35.0 ppm total sulfur by weight from tertiary butyl mercaptan
50.0 ppm total sulfur by weight from thiopene
15.0 ppm total sulfur by weight from dimethyl disulfide
25.0 ppm total sulfur by weight from benzothiopene
Balance: isooctane

Conc. in Solvent	CRM?	Shipping Conditions	Storage Temp.	qty.	cat.#
1 mL amber ampul.	No	Ambient	Ambient	ea.	33050

SPME Performance Test Mix (2 components)

Nitrobenzene (98-95-3)
2-Nitrotoluene (88-72-2)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
1 µg/mL in water:methanol (99:1), 1 mL/ampul	Yes	6 months	36 months	Ambient	10 °C or colder	3-pk.	31015

Standard Mixture of *n*-alkanes for System Performance Test (16 components)

(C10) *n*-Decane (124-18-5)
(C12) *n*-Dodecane (112-40-3)
(C14) *n*-Tetradecane (629-59-4)
(C16) *n*-Hexadecane (544-76-3)
(C18) *n*-Octadecane (593-45-3)
(C20) *n*-Eicosane (112-95-8)
(C22) *n*-Docosane (629-97-0)
(C24) *n*-Tetracosane (646-31-1)
(C26) *n*-Hexacosane (630-01-3)
(C28) *n*-Octacosane (630-02-4)
(C30) *n*-Triacontane (638-68-6)
(C32) *n*-Dotriacontane (544-85-4)
(C34) *n*-Tetratriacontane (14167-59-0)
(C36) *n*-Hexatriacontane (630-06-8)
(C38) *n*-Octatriacontane (7194-85-6)
(C40) *n*-Tetracontane (4181-95-7)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
50 µg/mL each in cyclohexane, 1 mL/ampul	Yes	6 months	85 months	Ambient	25 °C nominal	ea.	31633

Standard Mixture Stock Solution (2 components)

Diesel #2 (additive-free) (68334-30-5)
Mineral oil (additive-free [i.e., USP grade] bp 325–460 or C18–C32 retention time range) (8042-47-5)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
5000 µg/mL each in cyclohexane, 1 mL/ampul (prepares 8 mL of 1.25 µg/µL calibration curve high point). Total hydrocarbon concentration is 10,000 µg/mL.	Yes	6 months	85 months	Ambient	25 °C nominal	ea.	31630

Steroids and Mixed Pharmaceuticals Mix (10 components)

Bisphenol A (80-05-7)
Diclofenac sodium salt (15307-79-6)
17-β-Estradiol (50-28-2)
Estrone (53-16-7)
17-α-Ethynylestradiol (57-63-6)
4-para-Nonylphenol (84852-15-3)
4-*tert*-Octylphenol (140-66-9)
Primidone (125-33-7)
Progestrone (57-83-0)
Testosterone (58-22-0)

Conc. in Solvent	CRM?	DEA Status	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
200 µg/mL each in acetonitrile, 1 mL/ampul	Yes	Exempt	6 months	24 months	Ambient	10 °C or colder	ea.	31117

Sulfur Simulated Distillation Standard (SSDS)

30 ppm total sulfur by weight from ethanethiol
60 ppm total sulfur by weight from 1-propanethiol
30 ppm total sulfur by weight from 1-butanethiol
60 ppm total sulfur by weight from 1-pentanethiol
30 ppm total sulfur by weight from 1-hexanethiol
60 ppm total sulfur by weight from 1-heptanethiol
30 ppm total sulfur by weight from 3,5-dimethylbenzenethiol
60 ppm total sulfur by weight from 1-octanethiol
30 ppm total sulfur by weight from 1-nonanethiol
60 ppm total sulfur by weight from 1-decanethiol
30 ppm total sulfur by weight from 1-pentadecanethiolol
60 ppm total sulfur by weight from 1-hexadecanethiol
30 ppm total sulfur by weight from 1-octadecanethiol
Balance: toluene:isooctane (1:15)

Conc. in Solvent	CRM?	Shipping Conditions	Storage Temp.	qty.	cat.#
1 mL amber ampul.	No	Ambient	Ambient	ea.	33049

SV Calibration Mix #1 (5 components)

Benzyl alcohol (100-51-6)
4-Chloroaniline (106-47-8)
2-Nitroaniline (88-74-4)
3-Nitroaniline (99-09-2)
4-Nitroaniline (100-01-6)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in methylene chloride, 1 mL/ampul	Yes	6 months	36 months	Ambient	10 °C or colder	ea.	31007

SV Calibration Mix #2 (15 components)

Benzoic acid (65-85-0)
4-Chloro-3-methylphenol (59-50-7)
2-Chlorophenol (95-57-8)
2,4-Dichlorophenol (120-83-2)
2,4-Dimethylphenol (105-67-9)
4,6-Dinitro-2-methylphenol (Dinitro-*o*-cresol) (534-52-1)
2,4-Dinitrophenol (51-28-5)
2-Methylphenol (*o*-cresol) (95-48-7)
4-Methylphenol (*p*-cresol) (106-44-5)
2-Nitrophenol (88-75-5)
4-Nitrophenol (100-02-7)
Pentachlorophenol (87-86-5)
Phenol (108-95-2)
2,4,5-Trichlorophenol (95-95-4)
2,4,6-Trichlorophenol (88-06-2)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in methylene chloride, 1 mL/ampul	Yes	6 months	60 months	Ambient	10 °C or colder	ea.	31008

SV Calibration Mix #3 (14 components)

Bis(2-chloroethoxy)methane (111-91-1)
Bis(2-chloroethyl)ether (111-44-4)
Bis(2-ethylhexyl)phthalate (117-81-7)
4-Bromophenyl phenyl ether (101-55-3)
Benzyl butyl phthalate (85-68-7)
2-Chloronaphthalene (91-58-7)
4-Chlorophenyl phenyl ether (7005-72-3)
Dimethylphthalate (131-11-3)
Di-*n*-butylphthalate (84-74-2)
Di-*n*-octyl phthalate (117-84-0)
N-Nitrosodimethylamine (62-75-9)
N-Nitroso-di-*n*-propylamine (621-64-7)
N-Nitrosodiphenylamine (86-30-6)
2,2'-Oxybis(1-chloropropane) (108-60-1)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in methylene chloride, 1 mL/ampul	Yes	6 months	38 months	Ambient	10 °C or colder	ea.	31009

SV Calibration Mix #4 (13 components)

Carbazole (86-74-8)
Dibenzofuran (132-64-9)
Diethylphthalate (84-66-2)
2,4-Dinitrotoluene (121-14-2)
2,6-Dinitrotoluene (606-20-2)
Hexachlorobenzene (118-74-1)
Hexachlorobutadiene (87-68-3)
Hexachlorocyclopentadiene (77-47-4)
Hexachloroethane (67-72-1)
Isophorone (78-59-1)
2-Methylnaphthalene (91-57-6)
Nitrobenzene (98-95-3)
1,2,4-Trichlorobenzene (120-82-1)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in methylene chloride, 1 mL/ampul	Yes	6 months	39 months	Ambient	10 °C or colder	ea.	31010

SV Calibration Mix #5/610 PAH Mix (16 components)

Acenaphthene (83-32-9)
Acenaphthylene (208-96-8)
Anthracene (120-12-7)
Benz[a]anthracene (56-55-3)
Benzo[a]pyrene (50-32-8)
Benzo[b]fluoranthene (205-99-2)
Benzo[k]fluoranthene (207-08-9)
Benzo[g,h,i]perylene (191-24-2)
Chrysene (218-01-9)
Dibenz[a,h]anthracene (53-70-3)
Fluoranthene (206-44-0)
Fluorene (86-73-7)
Indeno[1,2,3-cd]pyrene (193-39-5)
Naphthalene (91-20-3)
Phenanthrene (85-01-8)
Pyrene (129-00-0)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in methylene chloride, 1 mL/ampul	Yes	6 months	71 months	Ambient	10 °C or colder	ea.	31011

SV Calibration Mix #6 (18 components)

Aldrin (309-00-2)
α-BHC (319-84-6)
β-BHC (319-85-7)
δ-BHC (319-86-8)
γ-BHC (Lindane) (58-89-9)
4,4'-DDD (72-54-8)
4,4'-DDE (72-55-9)
4,4'-DDT (50-29-3)
Dieldrin (60-57-1)
Endosulfan I (959-98-8)
Endosulfan II (33213-65-9)
Endosulfan sulfate (1031-07-8)
Endrin (72-20-8)
Endrin aldehyde (7421-93-4)
Endrin ketone (53494-70-5)
Heptachlor (76-44-8)
Heptachlor epoxide (isomer B) (1024-57-3)
Methoxychlor (72-43-5)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in toluene:hexane (1:1), 1 mL/ampul	Yes	6 months	36 months	Ambient	10 °C or colder	ea.	31012

SV Calibration Mix #7 (3 components)

1,2-Dichlorobenzene (95-50-1)
1,3-Dichlorobenzene (541-73-1)
1,4-Dichlorobenzene (106-46-7)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in methylene chloride, 1 mL/ampul	Yes	6 months	36 months	Ambient	10 °C or colder	ea.	31013

SV Internal Standard Mix (6 components)

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)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in methylene chloride, 1 mL/ampul	Yes	6 months	71 months	Ambient	10 °C or colder	ea.	31206
	Yes	6 months		Ambient	10 °C or colder	15-pk.	31206.15
	Yes	6 months		Ambient	10 °C or colder	25-pk.	31206.25
4000 µg/mL each in methylene chloride, 1 mL/ampul	Yes	6 months	71 months	Ambient	10 °C or colder	ea.	31006
	Yes	6 months		Ambient	10 °C or colder	15-pk.	31006.15
	Yes	6 months		Ambient	10 °C or colder	25-pk.	31006.25

SV System Performance Check Mix (SPCC) (4 components)

2,4-Dinitrophenol (51-28-5)
Hexachlorocyclopentadiene (77-47-4)
4-Nitrophenol (100-02-7)
N-Nitroso-di-*n*-propylamine (621-64-7)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in methylene chloride, 1 mL/ampul	Yes	6 months	24 months	Ambient	10 °C or colder	ea.	31689

System Performance Test Standard Mixture of *n*-Alkanes (16 components)

(C10) *n*-Decane (124-18-5)
(C12) *n*-Dodecane (112-40-3)
(C14) *n*-Tetradecane (629-59-4)
(C16) *n*-Hexadecane (544-76-3)
(C18) *n*-Octadecane (593-45-3)
(C20) *n*-Eicosane (112-95-8)
(C22) *n*-Docosane (629-97-0)
(C24) *n*-Tetracosane (646-31-1)
(C26) *n*-Hexacosane (630-01-3)
(C28) *n*-Octacosane (630-02-4)
(C30) *n*-Triacontane (638-68-6)
(C32) *n*-Dotriacontane (544-85-4)
(C34) *n*-Tetratriacontane (14167-59-0)
(C36) *n*-Hexatriacontane (630-06-8)
(C38) *n*-Octatriacontane (7194-85-6)
(C40) *n*-Tetracontane (4181-95-7)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
50 µg/mL each in hexane, 1 mL/ampul	Yes	6 months	96 months	Ambient	25 °C nominal	ea.	31678

TCLP Acid Mix (6 components)

2-Methylphenol (*o*-cresol) (95-48-7)
3-Methylphenol (*m*-cresol) (108-39-4)
4-Methylphenol (*p*-cresol) (106-44-5)
Pentachlorophenol (87-86-5)
2,4,5-Trichlorophenol (95-95-4)
2,4,6-Trichlorophenol (88-06-2)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in methanol, 1 mL/ampul	Yes	6 months	37 months	Ambient	10 °C or colder	ea.	31027

TCLP B/N Mix (7 components)

1,4-Dichlorobenzene (106-46-7)
2,4-Dinitrotoluene (121-14-2)
Hexachlorobenzene (118-74-1)
Hexachlorobutadiene (87-68-3)
Hexachloroethane (67-72-1)
Nitrobenzene (98-95-3)
Pyridine (110-86-1)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in acetone, 1 mL/ampul	Yes	6 months	45 months	Ambient	10 °C or colder	ea.	31028

TCLP Herbicide Mix (2 components)

2,4-D (free acid) (94-75-7)
2,4,5-TP (Silvex) (free acid) (93-72-1)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in methanol, 1 mL/ampul	Yes	6 months	23 months	Ambient	10 °C or colder	ea.	32014

TCLP Pesticide Mix (5 components)

γ-BHC (Lindane) (58-89-9)
Endrin (72-20-8)
Heptachlor (76-44-8)
Heptachlor epoxide (isomer B) (1024-57-3)
Methoxychlor (72-43-5)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in methanol, 1 mL/ampul	Yes	6 months	48 months	Ambient	10 °C or colder	ea.	32013

TCLP VOA Mix (11 components)

Benzene (71-43-2)
2-Butanone (MEK) (78-93-3)
Carbon tetrachloride (56-23-5)
Chlorobenzene (108-90-7)
Chloroform (67-66-3)
1,4-Dichlorobenzene (106-46-7)
1,2-Dichloroethane (107-06-2)
1,1-Dichloroethene (75-35-4)
Tetrachloroethene (127-18-4)
Trichloroethene (79-01-6)
Vinyl chloride (75-01-4)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in P&T methanol:water (90:10), 1 mL/ampul	Yes	6 months	46 months	Ambient	0 °C or colder	ea.	30024

Terpenes MegaMix Standard #1 (43 components)

(-)-alpha-Bisabolol (23089-26-1)
( )-Borneol (464-43-7)
L(-)-Borneol (464-45-9)
Camphene (79-92-5)
3-Carene (498-15-7)
Carvacrol (499-75-2)
beta-Caryophyllene (87-44-5)
(-)-a-Cedrene (469-61-4)
Cedrol (77-53-2)
1,8-Cineole (Eucalyptol) (470-82-6)
Citronellol (106-22-9)
trans-ß-Farnesene (18794-84-8)
Farnesol (4602-84-0)
(1R)-endo-( )-Fenchyl alcohol (2217-02-9)
Geraniol (106-24-1)
(-)-Guaiol (489-86-1)
alpha-Humulene (6753-98-6)
Isoborneol (124-76-5)
m-Isopropyltoluene (535-77-3)
o-Isopropyltoluene (527-84-4)
p-Isopropyltoluene (*p*-Cymene) (99-87-6)
(-)-Isopulegol (89-79-2)
d-Limonene (5989-27-5)
Linalool (78-70-6)
Menthol (89-78-1)
beta-Myrcene (123-35-3)
Nerol (106-25-2)
Nerolidol (7212-44-4)
Ocimene (13877-91-3)
R-(-)-alpha-Phellandrene (4221-98-1)
Phytane (2,6,10,14-Tetramethylhexadecane) (638-36-8)
alpha-Pinene (80-56-8)
(-)-beta-Pinene (18172-67-3)
Sabinene (3387-41-5)
Sabinene Hydrate (546-79-2)
Squalene (111-02-4)
Terpinen-4-ol (562-74-3)
alpha-Terpinene (99-86-5)
gamma-Terpinene (99-85-4)
a-Terpineol (98-55-5)
Terpinolene (586-62-9)
Thymol (89-83-8)
Valencene (4630-07-3)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2500 µg/mL, Isopropanol, 1 mL/ampul	Yes	6 months	24 months	Ambient	0 °C or colder	ea.	34142

Note: Terpenes MegaMix Standard #1 (cat.# 34142) and Terpenes MegaMix Standard #2 (cat.# 34143) have been formulated in different but compatible, GC-amenable solvents for specific product stability purposes.

Terpenes MegaMix Standard #2 (16 components)

Camphor (76-22-2)
(S)-( )-Carvone (2244-16-8)
(-)-Caryophyllene oxide (1139-30-6)
Citral (5392-40-5)
(1R)-(-)-Fenchone (7787-20-4)
Geranyl acetate (105-87-3)
Isobornyl acetate (125-12-2)
Menthone (10458-14-7)
( )-Nootkatone (4674-50-4)
Octyl acetate (112-14-1)
Piperitone (89-81-6)
(R)-( )-Pulegone (89-82-7)
Safranal (116-26-7)
(-)-alpha-Thujone (546-80-5)
d-Valerolactam (675-20-7)
(-)-Verbenone (1196-01-6)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2500 µg/mL, Toluene, 1 mL/ampul	Yes	6 months	24 months	Ambient	0 °C or colder	ea.	34143

Note: Terpenes MegaMix Standard #1 (cat.# 34142) and Terpenes MegaMix Standard #2 (cat.# 34143) have been formulated in different but compatible, GC-amenable solvents for specific product stability purposes.

TNRCC 1005 Retention Time Markers Mix (4 components)

(C6) *n*-Hexane (110-54-3)
(C12) *n*-Dodecane (112-40-3)
(C28) *n*-Octacosane (630-02-4)
(C35) *n*-Pentatriacontane (630-07-9)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
200 µg/mL each in pentane, 1 mL/ampul	Yes	6 months	85 months	Ambient	10 °C or colder	ea.	31698

TNRCC 1006 Retention Time Marker Mix (9 components)

(C6) *n*-Hexane (110-54-3)
(C7) *n*-Heptane (142-82-5)
(C8) *n*-Octane (111-65-9)
(C10) *n*-Decane (124-18-5)
(C12) *n*-Dodecane (112-40-3)
(C16) *n*-Hexadecane (544-76-3)
(C21) *n*-Heneicosane (629-94-7)
(C28) *n*-Octacosane (630-02-4)
(C35) *n*-Pentatriacontane (630-07-9)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
200 µg/mL in pentane, 1 mL/ampul	Yes	6 months	85 months	Ambient	25 °C nominal	ea.	31814

TX TPH Calibration Mix (2 components)

Diesel fuel #2 composite (68334-30-5)
Unleaded gasoline composite (8006-61-9)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
10,000 µg/mL each in pentane, 1 mL/ampul	Yes	6 months	85 months	Ambient	10 °C or colder	ea.	31483

TX TPH Matrix Spike Mix (2 components)

Diesel fuel #2 composite (68334-30-5)
Unleaded gasoline composite (8006-61-9)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
10,000 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	85 months	Ambient	10 °C or colder	ea.	31484

UCMR3 Method 524.3 Standard (9 components)

Bromochloromethane (74-97-5), 600 µg/mL
Bromomethane (methyl bromide) (74-83-9), 2000 µg/mL
1,3-Butadiene (106-99-0), 1000 µg/mL
sec-Butylbenzene (135-98-8), 400 µg/mL
Chlorodifluoromethane (CFC-22) (75-45-6), 800 µg/mL
Chloromethane (methyl chloride) (74-87-3), 2000 µg/mL
1,1-Dichloroethane (75-34-3), 300 µg/mL
n-Propylbenzene (103-65-1), 300 µg/mL
1,2,3-Trichloropropane (96-18-4), 300 µg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In P&T methanol, 1 mL/ampul	Yes	6 months	99 months	Ambient	0 °C or colder	ea.	30642

UCMR3 Method 539 Calibration Standard (7 components)

4-Androstene-3,17-dione (63-05-8), 30 µg/mL
Equilin (474-86-2), 400 µg/mL
17-β-Estradiol (50-28-2), 40 µg/mL
Estriol (50-27-1), 80 µg/mL
Estrone (53-16-7), 200 µg/mL
17-α-Ethynylestradiol (57-63-6), 90 µg/mL
Testosterone (58-22-0), 10 µg/mL

Conc. in Solvent	CRM?	DEA Status	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In acetonitrile, 1 mL/ampul	Yes	Exempt	6 months	27 months	Ambient	10 °C or colder	ea.	32461

USP <467> Calibration Mix #6 (4 components)

Chloroform (67-66-3), 60 µg/mL
1,4-Dioxane (123-91-1), 380 µg/mL
Methylene chloride (dichloromethane) (75-09-2), 600 µg/mL
Trichloroethene (79-01-6), 80 µg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In methanol, 1 mL/ampul	Yes	6 months	60 months	Ambient	0 °C or colder	ea.	36008

USP <467> Calibration Mix #7 (4 components)

Chloroform (67-66-3), 60 µg/mL
1,4-Dioxane (123-91-1), 380 µg/mL
Methylene chloride (dichloromethane) (75-09-2), 600 µg/mL
Trichloroethene (79-01-6), 80 µg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In dimethyl sulfoxide, 1 mL/ampul	Yes	6 months	60 months	Ambient	10 °C or colder	ea.	36009

USP <467> Calibration Mixture #3 (5 components)

Benzene (71-43-2), 100 µg/mL
Chloroform (67-66-3), 50 µg/mL
1,4-Dioxane (123-91-1), 100 µg/mL
Methylene chloride (dichloromethane) (75-09-2), 500 µg/mL
Trichloroethene (79-01-6), 100 µg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In dimethyl sulfoxide, 1 mL/ampul	Yes	6 months	60 months	Ambient	10 °C or colder	ea.	36004

USP <467> Calibration Mixture #4 (5 components)

Benzene (71-43-2), 2 µg/mL
Chloroform (67-66-3), 60 µg/mL
1,4-Dioxane (123-91-1), 380 µg/mL
Methylene chloride (dichloromethane) (75-09-2), 600 µg/mL
Trichloroethene (79-01-6), 80 µg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In methanol, 1 mL/ampul	Yes	6 months	60 months	Ambient	0 °C or colder	ea.	36006

USP <467> Calibration Mixture #5 (5 components)

Benzene (71-43-2), 2 µg/mL
Chloroform (67-66-3), 60 µg/mL
1,4-Dioxane (123-91-1), 380 µg/mL
Methylene chloride (dichloromethane) (75-09-2), 600 µg/mL
Trichloroethene (79-01-6), 80 µg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In dimethyl sulfoxide, 1 mL/ampul	Yes	6 months	60 months	Ambient	10 °C or colder	ea.	36007

VOA Calibration Mix #1 (ketones) (4 components)

Acetone (67-64-1)
2-Butanone (MEK) (78-93-3)
2-Hexanone (591-78-6)
4-Methyl-2-pentanone (MIBK) (108-10-1)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
5000 µg/mL each in P&T methanol:water (90:10), 1 mL/ampul	Yes	6 months	39 months	Ambient	0 °C or colder	ea.	30006

VOA Calibration Mix #2 (7 components)

Benzene (71-43-2)
Carbon disulfide (75-15-0)
Ethylbenzene (100-41-4)
Toluene (108-88-3)
Vinyl acetate (108-05-4)
o-Xylene (95-47-6)
p-Xylene (106-42-3)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	18 months	On Ice	–20 °C or colder	ea.	30007

VOA Calibration Mix #3 (10 components)

Carbon tetrachloride (56-23-5)
Chlorobenzene (108-90-7)
Chloroform (67-66-3)
1,1-Dichloroethane (75-34-3)
1,1-Dichloroethene (75-35-4)
1,2-Dichloropropane (78-87-5)
Methylene chloride (dichloromethane) (75-09-2)
1,1,2-Trichloroethane (79-00-5)
Trichloroethene (79-01-6)
m-Xylene (108-38-3)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	60 months	Ambient	0 °C or colder	ea.	30008

VOA Calibration Mix #5 (gases) (4 components)

Bromomethane (methyl bromide) (74-83-9)
Chloroethane (ethyl chloride) (75-00-3)
Chloromethane (methyl chloride (74-87-3)
Vinyl chloride (75-01-4)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	80 months	Ambient	0 °C or colder	ea.	30010

VOA Internal Standard Mix (3 components)

Bromochloromethane (74-97-5)
1,4-Difluorobenzene (540-36-3)
Chlorobenzene-d5 (3114-55-4)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2500 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	60 months	Ambient	0 °C or colder	ea.	30011

VOA Matrix Spike Mix (5 components)

Benzene (71-43-2)
Chlorobenzene (108-90-7)
1,1-Dichloroethene (75-35-4)
Toluene (108-88-3)
Trichloroethene (79-01-6)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2500 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	60 months	Ambient	0 °C or colder	ea.	30005

VOA Purgeable Halocarbon Mix #1 (23 components)

Bromodichloromethane (75-27-4)
Bromoform (75-25-2)
Carbon tetrachloride (56-23-5)
Chlorobenzene (108-90-7)
2-Chloroethyl vinyl ether (110-75-8)
Chloroform (67-66-3)
Dibromochloromethane (124-48-1)
1,2-Dichlorobenzene (95-50-1)
1,3-Dichlorobenzene (541-73-1)
1,4-Dichlorobenzene (106-46-7)
1,1-Dichloroethane (75-34-3)
1,2-Dichloroethane (107-06-2)
1,1-Dichloroethene (75-35-4)
trans-1,2-Dichloroethene (156-60-5)
1,2-Dichloropropane (78-87-5)
cis-1,3-Dichloropropene (10061-01-5)
trans-1,3-Dichloropropene (10061-02-6)
Methylene chloride (dichloromethane) (75-09-2)
1,1,2,2-Tetrachloroethane (79-34-5)
Tetrachloroethene (127-18-4)
1,1,1-Trichloroethane (71-55-6)
1,1,2-Trichloroethane (79-00-5)
Trichloroethene (79-01-6)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	60 months	Ambient	0 °C or colder	ea.	30212

VOA Screening Mix #2 (2 components)

(C9) *n*-Nonane (111-84-2)
(C12) *n*-Dodecane (112-40-3)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
1000 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	85 months	Ambient	25 °C nominal	ea.	30002

VOA Surrogate Spike Mix (3 components)

1-Bromo-4-fluorobenzene (BFB) (460-00-4)
1,2-Dichloroethane-d4 (17060-07-0)
Toluene-d8 (2037-26-5)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2500 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	60 months	Ambient	0 °C or colder	ea.	30004

Volatile Amine Column Test Mix (8 components)

(C9) *n*-Nonane (111-84-2), 900 µg/mL
(C12) *n*-Dodecane (112-40-3), 900 µg/mL
1,2-Butanediol (584-03-2), 900 µg/mL
Diethanolamine (DEA) (111-42-2), 1800 µg/mL
Diethylenetriamine (111-40-0), 1800 µg/mL
2,6-Dimethylaniline (87-62-7), 900 µg/mL
2-Nonanol (628-99-9), 900 µg/mL
Pyridine (110-86-1), 900 µg/mL

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
In methanol:dichloromethane (50:50), 1 mL/ampul	Yes	1 month	4 months	Ambient	10 °C or colder	ea.	35008

Volatiles MegaMix Standard with Gases (60 components)

Benzene (71-43-2)
Bromobenzene (108-86-1)
Bromochloromethane (74-97-5)
Bromodichloromethane (75-27-4)
Bromoform (75-25-2)
Bromomethane (methyl bromide) (74-83-9)
n-Butylbenzene (104-51-8)
sec-Butylbenzene (135-98-8)
tert-Butylbenzene (98-06-6)
Carbon tetrachloride (56-23-5)
Chlorobenzene (108-90-7)
Chloroethane (ethyl chloride) (75-00-3)
Chloroform (67-66-3)
Chloromethane (methyl chloride) (74-87-3)
2-Chlorotoluene (95-49-8)
4-Chlorotoluene (106-43-4)
Dibromochloromethane (124-48-1)
1,2-Dibromo-3-chloropropane (DBCP) (96-12-8)
1,2-Dibromoethane (EDB) (106-93-4)
Dibromomethane (74-95-3)
1,2-Dichlorobenzene (95-50-1)
1,3-Dichlorobenzene (541-73-1)
1,4-Dichlorobenzene (106-46-7)
Dichlorodifluoromethane (CFC-12) (75-71-8)
1,1-Dichloroethane (75-34-3)
1,2-Dichloroethane (107-06-2)
1,1-Dichloroethene (75-35-4)
cis-1,2-Dichloroethene (156-59-2)
trans-1,2-Dichloroethene (156-60-5)
1,2-Dichloropropane (78-87-5)
1,3-Dichloropropane (142-28-9)
2,2-Dichloropropane (594-20-7)
1,1-Dichloropropene (563-58-6)
cis-1,3-Dichloropropene (10061-01-5)
trans-1,3-Dichloropropene (10061-02-6)
Ethylbenzene (100-41-4)
Hexachloro-1,3-butadiene (hexachlorobutadiene) (87-68-3)
Isopropylbenzene (cumene) (98-82-8)
4-Isopropyltoluene (*p*-Cymene) (99-87-6)
Methylene chloride (dichloromethane) (75-09-2)
Naphthalene (91-20-3)
n-Propylbenzene (103-65-1)
Styrene (100-42-5)
1,1,1,2-Tetrachloroethane (630-20-6)
1,1,2,2-Tetrachloroethane (79-34-5)
Tetrachloroethene (127-18-4)
Toluene (108-88-3)
1,2,3-Trichlorobenzene (87-61-6)
1,2,4-Trichlorobenzene (120-82-1)
1,1,1-Trichloroethane (71-55-6)
1,1,2-Trichloroethane (79-00-5)
Trichloroethene (79-01-6)
Trichlorofluoromethane (CFC-11) (75-69-4)
1,2,3-Trichloropropane (96-18-4)
1,2,4-Trimethylbenzene (95-63-6)
1,3,5-Trimethylbenzene (108-67-8)
Vinyl chloride (75-01-4)
m-Xylene (108-38-3)
o-Xylene (95-47-6)
p-Xylene (106-42-3)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
200 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	60 months	Ambient	0 °C or colder	ea.	30603

Volatiles MegaMix Standard, EPA Method 624 (26 components)

Benzene (71-43-2)
Bromodichloromethane (75-27-4)
Bromoform (75-25-2)
Carbon tetrachloride (56-23-5)
Chlorobenzene (108-90-7)
2-Chloroethyl vinyl ether (110-75-8)
Chloroform (67-66-3)
Dibromochloromethane (124-48-1)
1,2-Dichlorobenzene (95-50-1)
1,3-Dichlorobenzene (541-73-1)
1,4-Dichlorobenzene (106-46-7)
1,1-Dichloroethane (75-34-3)
1,2-Dichloroethane (107-06-2)
1,1-Dichloroethene (75-35-4)
trans-1,2-Dichloroethene (156-60-5)
1,2-Dichloropropane (78-87-5)
cis-1,3-Dichloropropene (10061-01-5)
trans-1,3-Dichloropropene (10061-02-6)
Ethylbenzene (100-41-4)
Methylene chloride (dichloromethane) (75-09-2)
1,1,2,2-Tetrachloroethane (79-34-5)
Tetrachloroethene (127-18-4)
Toluene (108-88-3)
1,1,1-Trichloroethane (71-55-6)
1,1,2-Trichloroethane (79-00-5)
Trichloroethene (79-01-6)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
2000 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	36 months	Ambient	0 °C or colder	ea.	30497

WA EPH Aliphatic Hydrocarbon Mix (6 components)

(C8) *n*-Octane (111-65-9)
(C10) *n*-Decane (124-18-5)
(C12) *n*-Dodecane (112-40-3)
(C16) *n*-Hexadecane (544-76-3)
(C21) *n*-Heneicosane (629-94-7)
(C34) *n*-Tetratriacontane (14167-59-0)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
1000 µg/mL each in hexane, 1 mL/ampul	Yes	6 months	85 months	Ambient	25 °C nominal	ea.	31489

WA EPH Aromatic Hydrocarbon Mix (6 components)

Acenaphthene (83-32-9)
Benzo[g,h,i]perylene (191-24-2)
Naphthalene (91-20-3)
Pyrene (129-00-0)
Toluene (108-88-3)
1,2,3-Trimethylbenzene (526-73-8)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
1000 µg/mL each in methylene chloride, 1 mL/ampul	Yes	6 months	71 months	Ambient	10 °C or colder	ea.	31488

WA EPH Aromatic Hydrocarbon Standard (18 components)

Acenaphthene (83-32-9)
Acenaphthylene (208-96-8)
Anthracene (120-12-7)
Benz[a]anthracene (56-55-3)
Benzo[a]pyrene (50-32-8)
Benzo[b]fluoranthene (205-99-2)
Benzo[k]fluoranthene (207-08-9)
Benzo[g,h,i]perylene (191-24-2)
Chrysene (218-01-9)
Dibenz[a,h]anthracene (53-70-3)
Fluoranthene (206-44-0)
Fluorene (86-73-7)
Indeno[1,2,3-cd]pyrene (193-39-5)
2-Methylnaphthalene (91-57-6)
Naphthalene (91-20-3)
Phenanthrene (85-01-8)
Pyrene (129-00-0)
1,2,3-Trimethylbenzene (526-73-8)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
1000 µg/mL each in methylene chloride, 1 mL/ampul	Yes	6 months	71 months	Ambient	25 °C nominal	ea.	31469

WA EPH Fractionation Check Mix (22 components)

(C8) *n*-Octane (111-65-9)
(C10) *n*-Decane (124-18-5)
(C12) *n*-Dodecane (112-40-3)
(C16) *n*-Hexadecane (544-76-3)
(C21) *n*-Heneicosane (629-94-7)
(C34) *n*-Tetratriacontane (14167-59-0)
Acenaphthene (83-32-9)
Acenaphthylene (208-96-8)
Anthracene (120-12-7)
Benz[a]anthracene (56-55-3)
Benzo[a]pyrene (50-32-8)
Benzo[b]fluoranthene (205-99-2)
Benzo[k]fluoranthene (207-08-9)
Benzo[g,h,i]perylene (191-24-2)
Chrysene (218-01-9)
Dibenz[a,h]anthracene (53-70-3)
Fluoranthene (206-44-0)
Fluorene (86-73-7)
Indeno[1,2,3-cd]pyrene (193-39-5)
Naphthalene (91-20-3)
Phenanthrene (85-01-8)
Pyrene (129-00-0)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
25 µg/mL each in hexane, 1 mL/ampul	Yes	6 months	85 months	Ambient	25 °C nominal	ea.	31491

WA VPH Marker Standard (9 components)

(C5) *n*-Pentane (109-66-0)
(C6) *n*-Hexane (110-54-3)
(C8) *n*-Octane (111-65-9)
(C10) *n*-Decane (124-18-5)
(C12) *n*-Dodecane (112-40-3)
1-Methylnaphthalene (90-12-0)
Naphthalene (91-20-3)
Toluene (108-88-3)
1,2,3-Trimethylbenzene (526-73-8)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
1000 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	85 months	Ambient	0 °C or colder	ea.	30450

WA VPH Standard (15 components)

(C5) *n*-Pentane (109-66-0)
(C6) *n*-Hexane (110-54-3)
(C8) *n*-Octane (111-65-9)
(C10) *n*-Decane (124-18-5)
(C12) *n*-Dodecane (112-40-3)
Benzene (71-43-2)
Ethylbenzene (100-41-4)
1-Methylnaphthalene (90-12-0)
Methyl *tert*-butyl ether (MTBE) (1634-04-4)
Naphthalene (91-20-3)
Toluene (108-88-3)
1,2,3-Trimethylbenzene (526-73-8)
m-Xylene (108-38-3)
o-Xylene (95-47-6)
p-Xylene (106-42-3)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
1000 µg/mL each in P&T methanol, 1 mL/ampul	Yes	6 months	85 months	Ambient	0 °C or colder	ea.	30451

Weathered Diesel Fuel #2 Kit

Contains 1 mL each of these mixtures.

31233: Diesel Fuel #2 (ASTM Class 5 Accelerant)
Diesel fuel #2: unweathered (68334-30-5)

31234: Diesel Fuel #2 (ASTM Class 5 Accelerant)
Diesel fuel #2: 25% weathered (68334-30-5)

31235: Diesel Fuel #2 (ASTM Class 5 Accelerant)
Diesel fuel #2: 50% weathered (68334-30-5)

31236: Diesel Fuel #2 (ASTM Class 5 Accelerant)
Diesel fuel #2: 75% weathered (68334-30-5)

Description	CRM?	Min Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
Weathered Diesel Fuel #2 Kit	Yes	6 months	Ambient	25 °C nominal	kit	31239

Weathered Gasoline Kit #2

Contains 1 mL each of these mixtures.

30096: Unleaded Gasoline (ASTM Class 2 Accelerant)
Unleaded gasoline: unweathered (8006-61-9)

30097: Unleaded Gasoline (ASTM Class 2 Accelerant)
Unleaded gasoline: 25% weathered (8006-61-9)

30098: Unleaded Gasoline (ASTM Class 2 Accelerant)
Unleaded gasoline: 50% weathered (8006-61-9)

30099: Unleaded Gasoline (ASTM Class 2 Accelerant)
Unleaded gasoline: 75% weathered (8006-61-9)

30436: Unleaded Gasoline (ASTM Class 2 Accelerant)
Unleaded gasoline: 99% weathered (8006-61-9)

Description	CRM?	Min Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
Weathered Gasoline Kit #2	Yes	6 months	Ambient	0 °C or colder	kit	30437

Weathered Kerosene Kit

Contains 1 mL each of these mixtures.

31229: Kerosene (ASTM Class 4 Accelerant)
Kerosene: unweathered (84742-81-0)

31230: Kerosene (ASTM Class 4 Accelerant)
Kerosene: 25% weathered (84742-81-0)

31231: Kerosene (ASTM Class 4 Accelerant)
Kerosene: 50% weathered (84742-81-0)

31232: Kerosene (ASTM Class 4 Accelerant)
Kerosene: 75% weathered (84742-81-0)

Description	CRM?	Min Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
Weathered Kerosene Kit	Yes	6 months	Ambient	25 °C nominal	kit	*31238*

XERT-500 Column Test Mix (8 components)

(C9:0 FAME) Methyl nonanoate (1731-84-6)
(C13) *n*-Tridecane (629-50-5)
(C15) *n*-Pentadecane (629-62-9)
Acenaphthylene (208-96-8)
4-Chlorophenol (106-48-9)
n-Decylamine (2016-57-1)
1,6-Hexanediol (629-11-8)
1-Undecanol (112-42-5)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
500 µg/mL each in toluene, 1 mL/ampul	No	3 months	12 months	Ambient	25 °C nominal	ea.	*35247*

XIL-350 Column Test Mix (8 components)

(C13) *n*-Tridecane (629-50-5)
(C14) *n*-Tetradecane (629-59-4)
4-Chlorophenol (106-48-9)
Dicyclohexylamine (101-83-7)
2-Ethylhexanoic acid (149-57-5)
1,6-Hexanediol (629-11-8)
1-Methylnaphthalene (90-12-0)
1-Undecanol (112-42-5)

Conc. in Solvent	CRM?	Min Shelf Life on Ship Date	Max Shelf Life on Ship Date	Shipping Conditions	Storage Temp.	qty.	cat.#
350 µg/mL each in methylene chloride, 1 mL/ampul	Yes	3 months	12 months	Ambient	10 °C or colder	ea.	*35226*

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