

Multipurpose Standards

Neat and Single Component Solutions

For:

- Environmental analyses
- Air monitoring analyses
- Food and beverage analyses
- Petroleum/chemical analyses

Most chemicals are 99% pure. None are less than 96% pure, except as noted.

Some of these products are classified as hazardous under European Union (EU) legislation. The Risk and Safety (R and S) phrases assigned by the EU are listed in the Index of EU Risk and Safety Phrases at the back of this catalog.

- Neat - pure materials not diluted in solvent
- Single Component Solutions - pure material quantitatively diluted into solvent
- Pestanal - pesticide residue analysis grade standards from Riedel-de Haën



Individual Calibration Standards (in 1mL of solvent, unless noted otherwise)

CAS NO.	COMPOUND	QTY./CONC.	SOLVENT	CAT. NO.	PRICE
71751-41-2	Abamectin	100mg	NEAT	PS2068	
	Abamectine – see Abamectin				
3383-96-8	Abate	100mg	NEAT	PS665	
	Acaraben – see Chlorobenzilate				
18181-80-1	Acarol	10mg	NEAT	PS1062	
83-32-9	Acenaphthene	5000mg	NEAT	48500-U	
		5000µg/mL	methanol	40001	
15067-26-2	Acenaphthene-d10	100mg	NEAT	442432	
		2000µg/mL	methanol	48093	
		2000µg/mL	methylene chloride	48417	
208-96-8	Acenaphthylene	100mg	NEAT	48566	
		5000µg/mL	methanol	40075	
30560-19-1	Acephate PESTANAL	250mg	NEAT	45315-250MG	
75-07-0	Acetaldehyde	1000mg	NEAT	506788	
1019-57-4	Acetaldehyde-2,4-DNPH	100mg	NEAT	442434	
		1000µg/mL	acetonitrile	47340-U	
34256-82-1	Acetochlor PESTANAL	250mg	NEAT	36526-250MG	
67-64-1	Acetone	2000µg/mL	methanol:water, 90:10	48358	
		5000µg/mL	methanol:water, 90:10	40284	
6001-64-5	Acetone chloroform PESTANAL	1000mg	NEAT	36681-1G	
1567-89-1	Acetone-2,4-DNPH	50mg	NEAT	442436	
		1000µg/mL	acetonitrile	47341	
75-05-8	Acetonitrile	1000mg	NEAT	48484	
98-86-2	Acetophenone	1000mg	NEAT	442438	
		2000µg/mL	methylene chloride	48292	
50594-66-6	Acifluorfen PESTANAL	250mg	NEAT	34311-250MG	
107-02-8	Acrolein	5000mg	NEAT	48501	
		100mg	NEAT	4S8501	
888-54-0	Acrolein-2,4-DNPH	25mg	NEAT	442441	
		1000µg/mL	acetonitrile	47342	
107-13-1	Acrylonitrile	5000mg	NEAT	48502	
		100mg	NEAT	4S8502	
		1000µg/mL	water	48709	
		5000µg/mL	methanol	40003	
	Actellic – see Pirimiphos-methyl				
	Activol – see Gibberellic acid				

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Multipurpose Standards

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CAS NO.	COMPOUND	QTY./CONC.	SOLVENT	CAT. NO.	PRICE
	Admire – see Imidacloprid				
	Afalon – see Linuron				
	Agritox – see Trichloronate				
	Akar – see Chlorobenzilate				
1757-18-2	Akton	1000mg	NEAT	PS675	
15972-60-8	Alachlor	200µg/mL	methanol	48308	
		1000µg/mL	methanol	41089	
	Alachlor PESTANAL	250mg	NEAT	45316-250MG	
	Alar – see Daminozide				
116-06-3	Aldicarb PESTANAL	250mg	NEAT	36669-250MG	
1646-88-4	Aldicarb-sulfone PESTANAL	250mg	NEAT	36670-250MG	
1646-87-3	Aldicarb-sulfoxide PESTANAL	100mg	NEAT	36784-100MG-R	
1646-88-4	Aldoxycarb	10mg	NEAT	PS1055	
309-00-2	Aldrin	2µg/mL	isooctane (10mL)	48963	
		200µg/mL	isooctane (10mL)	48962	
		5000µg/mL	methanol	40220-U	
	Aldrin PESTANAL	250mg	NEAT	36666-250MG	
	Alfacron – see Azamethiphos				
	Alfa-tox – see Diazinon				
95-95-4	Allethrin, mixture of stereo isomers PESTANAL	250mg	NEAT	45317-250MG	
	δ-trans Allethrin – see Bioallethrin				
93-71-0	Allidochlor PESTANAL	250mg	NEAT	45318-250MG	
107-18-6	Allyl Alcohol (1-Propene-3-ol)	1000mg	NEAT	442445-U	
107-05-1	Allyl chloride - see 3-Chloro-1-propene				
57-06-7	Allyl iso-thiocyanate PESTANAL	1000mg	NEAT	36682-1G	
	Alphamethrin – see α-Cypermethrin				
	Altosid – see Methoprene				
	Amber – see Triasulfuron				
	Ambush – see Permethrin isomers				
834-12-8	Ametryn	100mg	NEAT	49084	
	Ametryn PESTANAL	250mg	NEAT	45321-250MG	
	Amidosulfuron PESTANAL	250mg	NEAT	45748-250MG	
934-32-7	2-Aminobenzi midazole PESTANAL	250mg	NEAT	36570-250MG-R	
150-13-0	4-Aminobenz oic acid	1000mg	NEAT	442401	
96-16-8	3-Aminobenzotrifluoride - see α, α, α-Trifluoro-m-toluidine				
92-67-1	4-Aminobiphenyl	100mg	NEAT	442402-U	
35572-78-2	2-Amino-4, 6-dinitrotoluene	1000µg/mL	acetonitrile	47749-U	
1946-51-0	4-Amino-2,6-dinitrotoluene	1000µg/mL	acetonitrile	47750	
1066-51-9	Aminomethyl phosphonic acid	100mg	NEAT	MET1051A	
95-55-6	2-Aminophenol PESTANAL	1000mg	NEAT	36683-1G	
591-27-5	3-Aminophenol PESTANAL	1000mg	NEAT	36684-1G	
123-30-8	4-Aminophenol PESTANAL	1000mg	NEAT	35837-1G	
504-29-0	2-Aminopyridine PESTANAL	1000mg	NEAT	36685-1G	
462-08-8	3-Aminopyridine PESTANAL	1000mg	NEAT	36686-1G	
504-24-5	4-Aminopyridine PESTANAL	1000mg	NEAT	36687-1G	
	Aminotriazole - see Amitrole				
	Amiral – see Triadimefon				
33089-61-1	Amitraz PESTANAL	250mg	NEAT	45323-250MG	
61-82-5	Amitrole PESTANAL	250mg	NEAT	45324-250MG	
955-05-8	tert-Amyl meth yl ether	1000mg	NEAT	442794	
		2000µg/mL	methanol	506737	
438-22-2	5-α-Androstane	2000µg/mL	methylene chloride	48168	
101-05-3	Anilazine PESTANAL	250mg	NEAT	45325-250MG-R	
62-53-3	Aniline	5000µg/ mL	methanol	40542	
	Aniline PESTANAL	250mg	NEAT	45326-250MG	
4165-6	Aniline-d5	100mg	NEAT	442454	
		2000µg/mL	methylene chloride	48788	
64249-01-0	Anilofos PESTANAL	250mg	NEAT	45749-250MG	

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CAS NO.	COMPOUND	QTY./CONC.	SOLVENT	CAT. NO.	PRICE
120-12-7	Anthracene	5000mg	NEAT	48567	
		200µg/mL	methanol	48647	
		1000µg/mL	acetone	40076	
1719-06-8	Anthracene-d10	100mg	NEAT	442456	
		2000µg/mL	methylene chloride	48863	
	9,10-Anthracenedione – see 9,10-Antraquinone				
84-65-1	9,10-Antraquinone	1000mg	NEAT	PS926	
	Anthraquinone PESTANAL	250mg	NEAT	45327-250MG-R	
86-88-4	ANTU PESTANAL	250mg	NEAT	45328-250MG	
	Aphox – see Pirimicarb				
	Applaud – see Buprofezin				
	Appollo – see Clofentezine				
54-49-9	Aramite	2000µg/mL	methylene chloride	47519-U	
	Arelon – see Isoproturon				
12674-11-2	Aroclor 1016	50mg	NEAT	48591	
		200µg/mL	methanol	48701	
		1000µg/mL	isooctane	48097	
		1000µg/mL	methanol	48050-U	
		1000µg/mL	hexane	90123R	
		50mg/kg	transformer oil (5mL)	47925	
		500mg/kg	transformer oil (5mL)	47962	
11104-28-2	Aroclor 1221	50mg	NEAT	48587	
		200µg/mL	methanol	48705	
		1000µg/mL	isooctane	48098	
		1000µg/mL	methanol	48051	
		1000µg/mL	hexane	90124R	
		50mg/kg	transformer oil (5mL)	47963	
		500mg/kg	transformer oil (5mL)	47964	
11141-16-5	Aroclor 1232	10mg	NEAT	48588	
		200µg/mL	methanol	48702	
		1000µg/mL	isooctane	44805	
		1000µg/mL	methanol	48052	
		1000µg/mL	hexane	90125R	
		50mg/kg	transformer oil (5mL)	47967-U	
		500mg/kg	transformer oil (5mL)	47968	
53469-21-9	Aroclor 1242	50mg	NEAT	48585	
		1µg/mL	isooctane	44812	
		200µg/mL	methanol	48706	
		1000µg/mL	isooctane	44806	
		1000µg/mL	methanol	48053-U	
		1000µg/mL	hexane	90126R	
		50mg/kg	transformer oil (5mL)	48732	
500mg/kg	transformer oil (5mL)	48731			
12672-29-6	Aroclor 1248	50mg	NEAT	48589	
		1000µg/mL	isooctane	44807	
		200µg/mL	methanol	48703	
		1000µg/mL	methanol	48054	
		1000µg/mL	hexane	90127R	
		50mg/kg	transformer oil (5mL)	47965-U	
		500mg/kg	transformer oil (5mL)	47966	
11097-69-1	Aroclor 1254	50mg	NEAT	48586	
		1000µg/mL	isooctane	44808	
		1µg/mL	isooctane	44814	
		200µg/mL	methanol	48707	
		1000µg/mL	methanol	48055-U	
		1000µg/mL	hexane	90128R	
		50mg/kg	transformer oil (5mL)	48734	
500mg/kg	transformer oil (5mL)	48733			
11096-82-5	Aroclor 1260	1000µg/ mL	isooctane	44809	
		1µg/mL	isooctane	44815	
		200µg/mL	methanol	48704	
		1000µg/mL	methanol	48056	
		1000µg/mL	hexane	90129R	
		50mg/kg	transformer oil (5mL)	48736	
		500mg/kg	transformer oil (5mL)	48735	

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37324-23-5	Aroclor 1262	10mg	NEAT	442463	
		1µg/mL	isooctane	44816	
		1000µg/mL	isooctane	44810	
		50mg/kg	transformer oil (5mL)	47482	
		500mg/kg	transformer oil (5mL)	47483	
66230-04-4	Asana	100mg	NEAT	PS2004	
3244-90-4	Aspon	1000mg	NEAT	PS663	
	Assure – see Quizalofop ethyl				
3337-71-1	Asulam PESTANAL	250mg	NEAT	45329-250MG	
1912-24-9	Atrazine	100mg	NEAT	49085	
		1000µg/mL	methyl t-butyl ether	48187	
	Atrazine PESTANAL	250mg	NEAT	45330-250MG-R	
6190-65-4	Atrazine-desethyl PESTANAL	250mg	NEAT	36629-250MG	
3397-62-4	Atrazine-desethyl-desisopropyl PESTANAL	250mg	NEAT	36667-250MG	
1007-28-9	Atrazine-desisopropyl PESTANAL	250mg	NEAT	36628-250MG	
7313-54-4	Atrazine-desisopropyl-2-hydroxy PESTANAL	100mg	NEAT	45630-100MG-R	
2163-68-0	Atrazine-2-hydroxy PESTANAL	250mg	NEAT	36631-250MG	
	Avadex – see Diallate				
	Avadex BW – see Tri-allate				
	Axiom – see Akton				
11141-17-6	Azadirachtin	10mg	NEAT	PS2075	
66003-55-2	Azamethiphos PESTANAL	250mg	NEAT	45331-250MG	
2642-71-9	Azinphos-ethyl PESTANAL	250mg	NEAT	45332-250MG	
86-50-0	Azinphos-methyl PESTANAL	250mg	NEAT	45333-250MG	
4658-28-0	Aziprotr yne PESTANAL	250mg	NEAT	45334-250MG	
103-33-3	Azobenzene	500mg	NEAT	442465	
		2000µg/mL	methanol	47959	
41083-11-8	Azocyclostin PESTANAL	250mg	NEAT	45335-250MG	
	Azofume – see Azobenzene				
131860-33-8	Azoxystrobin PESTANAL	100mg	NEAT	46160-100MG-R	
	BAAM – see Amitraz				
	Balan – see Benfluralin				
	Banvel – see Dicamba				
101-27-9	Barban	1000mg	NEAT	PS540	
		250mg	NEAT	36752-250MG	
3766-81-2	Baycarb	1000mg	NEAT	PS1046	
114-26-1	Baygon	1000mg	NEAT	PS551	
	Bayleton – see Triadimefon				
55219-65-3	Baytan	100mg	NEAT	PS1064	
	Baytex – see Fenthion				
68359-37-5	Baythroid	100mg	NEAT	PS1090	
		100mg	NEAT	PS450	
71626-11-4	Benalaxyl PESTANAL	250mg	NEAT	36760-250MG-R	
22781-23-3	Bendiocarb PESTANAL	250mg	NEAT	45336-250MG	
	Benefin – see Benfluralin				
1861-40-1	Benfluralin PESTANAL	250mg	NEAT	45337-250MG	
15310-01-7	Benodanil PESTANAL	250mg	NEAT	45338-250MG	
17804-35-2	Benomyl PESTANAL	250mg	NEAT	45339-250MG	
83055-99-6	Bensulfuron-methyl PESTANAL	250mg	NEAT	46048-250MG-R	
741-58-2	Bensulide PESTANAL	250mg	NEAT	45340-250MG-R	
25057-89-0	Bentazone PESTANAL	250mg	NEAT	45341-250MG-R	
	Bentazon methyl derivative	50mg	NEAT	PS1112	
28249-77-6	Benthocarb	1000mg	NEAT	PS1017	
	Bethrodine – see Balan				
	Benylate – see Benzyl benzoate				
1157-84-2	Benzaldehyde-2,4-DNPH	100mg	NEAT	442469	
		100µg/mL	acetonitrile	47343	
93-98-1	Benzanilide	1000mg	NEAT	442470	

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Multipurpose Standards

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CAS NO.	COMPOUND	QTY./CONC.	SOLVENT	CAT. NO.	PRICE
71-43-2	Benzene	5000mg	NEAT	48503	
		200µg/mL	methanol	48617	
		5000µg/mL	methanol	40004	
1076-43-3	Benzene-d6	1000mg	NEAT	442472	
		2000µg/mL	methanol	48940-U	
	Benzene hexachloride – see BHC				
92-87-5	Benzidine	100mg	NEAT	48504	
		500µg/mL	methylene chloride	48725	
		5000µg/mL	methanol	40005	
56-55-3	Benzo(a)anthracene	100mg	NEAT	48563	
		200µg/mL	methylene chloride	48651	
		1000µg/mL	methanol	40070-U	
1718-53-2	Benzo(a)anthracene-d12	10mg	NEAT	442468	
		2000µg/mL	methylene chloride	48789	
205-99-2	Benzo(b)fluoranthene	50mg	NEAT	48490	
		200µg/mL	methanol	48637	
		1000µg/mL	acetone	40072	
205-82-3	Benzo(j)fluoranthene	2000µg/mL	methylene chloride	502332	
					Benzo(jk)fluorene – see Fluoranthene
207-08-9	Benzo(k)fluoranthene	50mg	NEAT	48492	
		200µg/mL	methylene chloride	48668	
		1000µg/mL	acetone	40073	
65-85-0	Benzoic acid	200µg/mL	methylene chloride	48323	
191-24-2	Benzo(ghi)perylene	25mg	NEAT	48491	
		200µg/mL	methylene chloride	48667	
119-61-9	Benzophenone	500mg	NEAT	442842	
50-32-8	Benzo(a)pyrene	100mg	NEAT	48564	
		200µg/mL	methylene chloride	48665	
		1000µg/mL	acetone	40071	
	Benzo(a)pyrene-d12	10mg	NEAT	442847	
192-97-2	Benzo(e)pyrene	25mg	NEAT	442475	
22212-55-1	Benzoylprop-ethyl PESTANAL	100mg	NEAT	45343-100MG-R	
83055-99-6	Benzosulfuron methyl	100mg	NEAT	PS1082	
100-51-6	Benzyl alcohol	1000mg	NEAT	442481	
100-46-9	Benzylamine	1000mg	NEAT	442483	
120-51-4	Benzyl benzoate	1000mg	NEAT	PS904	
85-68-7	Benzyl butyl phthalate	1000mg	NEAT	442503	
98-08-8	Benzotrifluoride - see α, α, α -Trifluorotoluene				
608-73-1	BHC (Benzene hexachloride)	500mg	NEAT	49007	
319-84-6	α -BHC	50mg	NEAT	48493	
		1000µg/mL	methanol	40100-U	
319-85-7	β -BHC	50mg	NEAT	48494	
		1000µg/mL	acetone	40101	
319-86-8	δ -BHC	50mg	NEAT	48495	
		1000µg/mL	methanol	40103-U	
58-89-9	γ -BHC (Lindane)	250mg	NEAT	442598	
		2µg/mL	isooctane (10mL)	48961	
		200µg/mL	isooctane (10mL)	48960-U	
		1000µg/mL	methanol	40102	
	γ -BHC (Lindane) PESTANAL	250mg	NEAT	45548-250MG	
	Bicyclopentadiene – see Dicyclopentadiene				
	Bidrin – see Dicrotophos				
42576-02-3	Bifnox PESTANAL	250mg	NEAT	45345-250MG-R	
82657-04-3	Bifenthrin PESTANAL	100mg	NEAT	34314-100MG	
28057-48-9	Bioallethrin PESTANAL	250mg	NEAT	45347-250MG-R	
28434-00-6	s-Bioallethrin	1000mg	NEAT	PS790	
92-52-4	Biphenyl	2000µg/mL	methanol		48161
					Biphenyl PESTANAL
	Bi-phenyl-2-ol – see o-Phenylphenol				

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366-18-7	2,2'-Bipyridine PESTANAL	1000mg	NEAT	36759-1G	
111-44-4	Bis(2-chloroethyl)ether	5000mg 5000µg/mL	NEAT methanol	48515-U 40016	
108-60-1	Bis(2-chloroisopropyl)ether	100mg 5000µg/mL	NEAT methanol	48498 40040-U	
103-23-1	Bis(2-ethylhexyl) adipate	250mg	NEAT	442492	
117-81-7	Bis(2-ethylhexyl) phthalate	1000mg 5000µg/mL	NEAT methanol	48557 40064	
56-35-9	Bis[tri-n-butyltin]oxide	1000mg	NEAT	PS282	
55179-31-2	Bitertanol, mix of diastereo isomers PESTANAL	250mg	NEAT	45349-250MG	
	Bladafum – see Sulfotep				
	Bladan – see Parathion				
	Bolstar – see Sulprofos				
	Botran – see Dicloran				
56073-10-0	Brodifacoum PESTANAL	100mg	NEAT	46036-100MG	
314-40-9	Bromacil PESTANAL	250mg	NEAT	45350-250MG	
	Bromex – see Dichlofenthion				
33399-00-7	Bromfenvinphos-ethyl, mix of cis and trans isomers PESTANAL	100mg	NEAT	45816-100MG	
	Brominal – see Bromoxynil				
79-08-3	Bromoacetic acid	100mg 1000µg/mL	NEAT methyl t-butyl ether	442494 47655-U	
108-86-1	Bromobenzene	500mg 5000µg/mL	NEAT methanol	442495 40406-U	
5589-96-8	Bromochloroacetic acid	50mg 1000µg/mL	NEAT methyl t-butyl ether	442496-U 47659-U	
83463-62-1	Bromochloroacetonitrile	100mg	NEAT	442497	
694-80-4	2-Bromochlorobenzene	1000mg 750µg/mL	NEAT methanol	442333 47487	
106-39-8	4-Bromochlorobenzene	1000mg 750µg/mL	NEAT methanol	442403 47485	
74-97-5	Bromochloromethane	500mg 200µg/mL 2000µg/mL 20,000µg/mL	NEAT methanol methanol methanol	442498 48344 48067 48711	
3017-95-6	2-Bromo-1-chloropropane	1000mg 2000µg/mL 20,000µg/mL	NEAT methanol methanol	47758 48088 48713	
7113-314-7	Bromodichloroacetic acid	100mg 1000µg/mL	NEAT methyl t-butyl ether	442499 47278	
75-27-4	Bromodichloromethane	1000mg 200µg/mL 5000µg/mL	NEAT methanol methanol	48540-U 48615 40046	
540-51-2	2-Bromoethanol	1000mg 2000µg/mL	NEAT toluene	442334 48874	
460-00-4	4-Bromofluorobenzene	1000mg 2000µg/mL 25,000µg/mL	NEAT methanol methanol	442404 48083 48800	
75-25-2	Bromoform	5000mg 200µg/mL 5000µg/mL	NEAT methanol methanol	48539 48618 40212	
74-83-9	Bromomethane	200µg/mL	methanol	48624	
580-13-2	2-Bromonaphthalene	20,000µg/mL	methanol	47929	
106-41-2	4-Bromophenol	1000mg	NEAT	442405	
	Bromophos – see Bromophos methyl				
4824-78-6	Bromophos-ethyl PESTANAL	250mg	NEAT	45353-250MG	
2104-96-3	Bromophos-methyl PESTANAL	250mg	NEAT	45354-250MG-R	
598-72-1	2-Bromopropionic acid	1000mg	NEAT	442337	
	Bromopropylate – see Acarol				

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3042-84-0	Bromopyrazon PESTANAL	250mg	NEAT	45358-250MG	
1689-84-5	Bromoxynil PESTANAL	250mg	NEAT	45355-250MG	
	Bromoxynil-methyl ether	50mg	NEAT	MET426B	
1689-99-2	Bromoxynil-octanoate PESTANAL	250mg	NEAT	45356-250MG	
18181-80-1	Bromopropylate PESTANAL	250mg	NEAT	45357-250MG	
116255-48-2	Bromuconazol PESTANAL	100mg	NEAT	46094-100MG-R	
52-51-7	Bronopol PESTANAL	250mg	NEAT	45359-250MG-R	
	Bunema – see Busan 40				
41483-43-6	Bupirim ate PESTANAL	250mg	NEAT	45360-250MG-R	
69327-76-0	Buprofezin PESTANAL	250mg	NEAT	45807-250MG	
51026-28-9	Busan 40	100mg	NEAT	PS2019	
128-03-0	Busan 85	100mg	NEAT	PS2020	
23184-66-9	Butachlor PESTANAL	250mg	NEAT	45818-250MG	
	Butacide – see Piperonyl butoxide				
71-36-3	n-Butanol	1000mg	NEAT	442665	
75-65-0	t-Butanol	1000mg	NEAT	442790	
71-36-3	1-Butanol	2000µg/mL	methanol	47950	
78-93-3	2-Butanone	100µg/mL	acetonitrile	47344	
		2000µg/mL	methanol:water, 90:10	48877	
		5000µg/mL	methanol:water, 90:10	40311	
78-93-3	2-Butanone-2,4-DNPH	100mg	NEAT	442339	
34681-10-2	Butocarboxim PESTANAL	250mg	NEAT	45361-250MG	
	Butox – see Deltamethrin				
34681-23-7	Butoxycarboxim PESTANAL	250mg	NEAT	45362-250MG	
9003-13-8	Butoxypolypropylene glycol	1000mg	NEAT	PS908	
32629-47-9	Butralin PESTANAL	250mg	NEAT	36528-250MG	
123-86-4	n-Butyl acetate	100mg	NEAT	442666	
2008-41-5	Butylate PESTANAL	250mg	NEAT	45363-250MG	
104-51-8	n-Butylbenzene	1000mg	NEAT	47322	
		5000µg/mL	methanol	41105	
135-98-8	sec-Butylbenzene	5000µg/mL	methanol	41104	
136-60-7	n-Butyl benzoate	1000mg	NEAT	442667	
85-68-7	Butylbenzylphthalate (see Benzyl butyl phthalate)				
98-28-2	4-tert-Butyl-2-chlorophenol	10mg	NEAT	MET607A	
637-92-3	tert-Butyl ethyl ether	1000mg	NEAT	442795	
	2,6-di-tert-Butylphenol	500mg	NEAT	442859	
98-54-4	4-tert-Butyl phenol	1000mg	NEAT	506761	
1527-98-6	n-Butyraldehyde-2,4-DNPH	100mg	NEAT	442504	
		1000µg/mL	acetonitrile	47345-U	
75-60-5	Cacodylic acid PESTANAL	250mg	NEAT	45726-250MG-R	
124-65-2	Cacodylic acid sodium salt PESTANAL	250mg	NEAT	45727-250MG-R	
	Cadminate – see Cadmium succinate				
141-00-4	Cadmium succinate	1000mg	NEAT	PS280	
	Campechlor – see Toxaphene				
79-92-5	Camphene	1000mg	NEAT	442505	
	Caparol – see Prometryn				
2425-06-1	Captafol PESTANAL	250mg	NEAT	45365-250MG	
133-06-2	Captan PESTANAL	250mg	NEAT	45366-250MG-R	
	Capture – see Bifenthrin				
	Carbamult – see Promecarb				
63-25-2	Carbaryl PESTANAL	250mg	NEAT	45367-250MG-R	
86-74-8	Carbazole	1000mg	NEAT	442506	
		2000µg/mL	methylene chloride	48076	
10605-21-7	Carbendazim PESTANAL	250mg	NEAT	45368-250MG	
16118-49-3	Carbetamide PESTANAL	250mg	NEAT	45369-250MG	
1563-66-2	Carbofuran PESTANAL	250mg	NEAT	45370-250MG-R	
16655-82-6	Carbofuran-3-hydroxy PESTANAL	10mg	NEAT	46038-10MG	

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Chemical
Standards

SUPELCO

Multipurpose Standards

Neat and Single Component Solutions

CAS NO.	COMPOUND	QTY./CONC.	SOLVENT	CAT. NO.	PRICE
	Carbofuranphenol-3-keto	50mg	NEAT	MET754F	
75-15-0	Carbon disulfide	100mg	NEAT	4S42200	
		1000mg	NEAT	442200	
		200µg/mL	methanol	48361	
		5000µg/mL	methanol	40363	
56-23-5	Carbon tetrachloride	1000mg	NEAT	48505	
		200µg/mL	methanol	48604	
		5000µg/mL	methanol	40360-U	
786-19-6	Carbophenothion PESTANAL	250mg	NEAT	45300-250MG-R	
22042-59-7	Cartap	500mg	NEAT	PS2069	
15263-52-2	Cartap hydrochloride PESTANAL	100mg	NEAT	45995-100MG	
	Carvadex – see Cyromazine				
	Charge – see I-Cyhalothrin				
2439-01-2	Chinomethionate PESTANAL	250mg	NEAT	45372-250MG	
56-75-7	Chloramphenicol	1000mg	NEAT	442513	
302-17-0	Chloral hydrate	1000µg/mL	acetonitrile	47335-U	
118-75-2	Chloranil	1000mg	NEAT	PS11	
57-74-9	Chlordane, technical mixture	20µg/mL	methanol	48699	
		200µg/mL	isooctane	47554-U	
		200µg/mL	isooctane (10mL)	48984	
		500µg/mL	methanol	48881	
		1000µg/mL	isooctane	48065-U	
	5000µg/mL	methanol	40089		
	Chlordane, technical mixture PESTANAL	250mg	NEAT	45378-250MG	
5103-71-9	α-Chlordane	10mg	NEAT	442449	
5103-74-2	γ-Chlordane	50mg	NEAT	442599	
22212-52-8	α-Chlordane (cis)	100µg/mL	hexane	48192	
5103-74-2	γ-Chlordane (trans)	100µg/mL	hexane	48193	
143-50-0	Chlor decone (Kepone)	100mg	NEAT	49046	
	Chlordecone PESTANAL	250mg	NEAT	45379-250MG	
19750-95-9	Chlordimeform hydrochloride PESTANAL	250mg	NEAT	35914-250MG	
14437-17-3	Chlorofenprop-methyl PESTANAL	250mg	NEAT	45381-250MG	
470-90-6	Chlorfenvinphos, mix of cis and trans isomers PESTANAL	250mg	NEAT	36551-250MG	
71422-67-9	Chlorfluazuron PESTANAL	250mg	NEAT	36530-250MG-R	
2464-37-1	Chlorflurenol PESTANAL	100mg	NEAT	45721-100MG	
2536-31-4	Chlor flurenol-methyl PESTANAL	250mg	NEAT	45302-250MG	
1698-60-8	Chloridazon PESTANAL	250mg	NEAT	45385-250MG	
90982-32-4	Chlorimuron ethyl	100mg	NEAT	PS1081	
	Chlorinated camphene – see Toxaphene				
999-81-5	Chlormequat chloride PESTANAL	250mg	NEAT	45387-250MG	
79-11-8	Chloroacetic acid	1000µg/mL	methyl t-butyl ether	47654-U	
	Chloroacetic acid PESTANAL	1000mg	NEAT	36544-1G	
95-51-2	2-Chloroaniline	2000µg/ mL	methanol	48031	
106-47-8	4-Chloroaniline	5000µg/ mL	methanol	40305	
	4-Chloroaniline PESTANAL	1000mg	NEAT	35823-1G	
	Chloroben – see 1,2-Dichlorobenzene				
108-90-7	Chlorobenzene	5000mg	NEAT	48506	
		200µg/mL	methanol	48610-U	
		5000µg/mL	methanol	40006	
		10000µg/mL	methylene chloride	46860-U	
3114-55-4	Chlorobenzene-d5	500mg	NEAT	442517	
		2000µg/mL	methanol	48086	
		5000µg/mL	methanol	48387	
510-15-6	Chlorobenzilate	200µg/mL	methylene chloride	48370	
118-91-2	2-Chlorobenzoic acid	1000mg	NEAT	506877	
74-11-3	4-Chlorobenzoic acid	1000mg	NEAT	506885	
873-32-5	2-Chlorobenzonitrile	1000mg	NEAT	MET2015A	
74-97-5	Chlorobromomethane – see Bromochloromethane				
3017-95-6	1-Chloro-2-bromopropane – see 2-Bromo-1-chloropropane				
3397-62-4	2-Chloro-4,6-diamino-1,3,5-triazine	100mg	NEAT	MET58C	

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Chemical Standards

SUPELCO

Multipurpose Standards Neat and Single Component Solutions

CAS NO.	COMPOUND	QTY./CONC.	SOLVENT	CAT. NO.	PRICE
5278-95-5	Chlorodibromoacetic acid	100mg	NEAT	442519	
		1000µg/mL	methyl t-butyl ether	47277	
124-48-1	Chlorodibromomethane – see Dibromochloromethane				
97-50-7	5-Chloro-2,4-dimethoxyaniline PESTANAL	1000mg	NEAT	35991-1G	
75-00-3	Chloroethane (Ethyl chloride)	200µg/mL	methanol	48626	
		1000µg/mL	methanol	40015	
107-07-3	2-Chloroethanol (Ethylene chlorohydrin) 2-Chloroethanol PESTANAL	2000µg/mL	methanol	48085	
		1000mg	NEAT	36693-1G	
110-75-8	2-Chloroethyl vinyl ether	100mg	NEAT	4S8516	
		5000mg	NEAT	48516	
		200µg/mL	methanol	48672	
		5000µg/mL	methanol	40017	
348-51-6	1-Chloro-2-fluorobenzene	2000µg/ mL	methanol	48369	
352-33-0	1-Chloro-4-fluorobenzene	1000mg	NEAT	442257	
		5000µg/mL	methanol	48194	
67-66-3	Chloroform (Trichloromethane)	1000mg	NEAT	48520-U	
		200µg/mL	methanol	48603	
		5000µg/mL	methanol	40021	
544-10-5	1-Chlorohexane	100mg	NEAT	4S42258	
		1000mg	NEAT	442258	
615-67-8	Chlorohydroquinone PESTANAL	250mg	NEAT	45384-250MG	
59-50-7	4-Chloro-3-methylphenol	5000mg	NEAT	48519	
90-13-1	1-Chloronaphthalene	1000mg	NEAT	442259-U	
		2000µg/mL	methanol	48159	
91-58-7	2-Chloronaphthalene	1000mg	NEAT	48517	
		5000µg/mL	methanol	40018	
2675-77-6	Chloroneb PESTANAL	250mg	NEAT	45388-250MG	
89-63-4	4-Chloro-2-nitroaniline	1000mg	NEAT	48020	
619-08-9	2-Chloro-4-nitrophenol	1000mg	NEAT	MET669A	
3386-33-2	1-Chlorooctadecane	1000mg	NEAT	442260	
111-85-3	1-Chlorooctane	1000mg	NEAT	442261	
3691-35-8	Chlorophacinone PESTANAL	250mg	NEAT	45390-250MG	
95-57-8	2-Chlorophenol	5000mg	NEAT	48521	
		500µg/mL	methanol	48689	
	2-Chlorophenol PESTANAL	1000mg	NEAT	36746-1G	
108-43-0	3-Chlorophenol	1000mg	NEAT	36747-1G	
106-48-9	4-Chlorophenol 4-Chlorophenol PESTANAL	500mg	NEAT	442411	
		1000mg	NEAT	35826-1G	
614-61-9	o-Chlorophenoxy acetic acid	1000mg	NEAT	PS38	
76-06-2	Chloropicrin Chloropicrin PESTANAL	100mg	NEAT	442521	
		250mg	NEAT	34321-250MG	
	Chloroprene	2000µg/mL	methanol	46869-U	
107-05-1	3-Chloro-1-propene (Allyl chloride)	1000mg	NEAT	442446	
		2000µg/mL	methanol	48295	
64902-72-3	Chlorosulfuron PESTANAL	100mg	NEAT	34322-100MG	
1897-45-6	Chlorothalonil PESTANAL	250mg	NEAT	36791-250MG	
95-49-8	2-Chlorotoluene	5000µg/mL	methanol	40150-U	
106-43-4	4-Chlorotoluene	5000µg/mL	methanol	40152-U	
94-74-6	4-Chloro-o-tolyloxyacetic acid	1000mg	NEAT	PS40	
2436-73-9	4-Chloro-o-tol yoxyacetic acid methyl ester	100mg	NEAT	PS1105	
1897-45-6	Chlorothalonil	1000mg	NEAT	PS1020	
15545-48-9	Chlorotoluron PESTANAL	250mg	NEAT	45400-250MG-R	
1891-95-8	Chloroxynil PESTANAL	100mg	NEAT	34320-100MG	
14816-20-7	Chlorphoxim PESTANAL	250mg	NEAT	45392-250MG	
101-21-3	Chlorpropham PESTANAL	250mg	NEAT	45393-250MG	
5836-10-2	Chlorpropylat PESTANAL	250mg	NEAT	45394-250MG	
2921-88-2	Chlorpyrifos Chlorpyriphos PESTANAL	1000µg/mL	methyl-t-butyl ether	48104	
		250mg	NEAT	45395-250MG	
5598-13-0	Chlorpyriphos-methyl PESTANAL	250mg	NEAT	45396-250MG	

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Chemical
Standards

SUPELCO

Multipurpose Standards

Neat and Single Component Solutions

CAS NO.	COMPOUND	QTY./CONC.	SOLVENT	CAT. NO.	PRICE
	Chlorpyrifos methyl-O-analog	50mg	NEAT	MET418B	
64902-72-3	Chlorsulfuron	100mg	NEAT	PS1065	
1861-32-1	Chlorthal	1000mg	NEAT	PS33	
	Chlortokem – see Chlorotoluron				
218-01-9	Chrysene	100mg	NEAT	48565-U	
		200µg/mL	methylene chloride	48650	
		1000µg/mL	acetone	40074	
1719-03-5	Chrysene-d12	25mg	NEAT	442523	
		2000µg/mL	methylene chloride	48416	
	Ciodrin – see Crotoxyphos				
	CIPC – see Chloroprotham				
	Citation – see Cyrmoazine				
	Classic – see Chlorimuron ethyl				
99129-21-2	Clethodim	100mg	NEAT	PS2045	
	Cletodine – see Clethodim				
105512-06-9	Clodinafop-propargyl PESTANAL	250mg	NEAT	46122-250MG-R	
74115-24-5	Clofentezine PESTANAL	250mg	NEAT	36763-250MG	
81777-89-1	Clomazone PESTANAL	100mg	NEAT	46120-100MG-R	
1702-17-6	Clopyralid PESTANAL	250mg	NEAT	36758-250MG	
99607-70-2	Cloquintocet mexyl PESTANAL	250mg	NEAT	46123-250MG-R	
	CMU – see Monuron				
	Commodore – see I-Cyhalothrin				
	Concord – see α -Cypermethrin				
	Copper naphthenate	1000mg	NEAT	PS2028	
1332-65-6	Copper oxchloride	1000mg	NEAT	PS292	
	Cotoran – see Fluometuron				
117-52-2	Coumafuryl PESTANAL	10mg	NEAT	34324-10MG	
	Counter – see Terbufos				
108-39-4	m-Cresol – see 3-Methylphenol				
95-48-7	o-Cresol – see 2-Methylphenol				
06-44-5	p-Cresol – see 4-Methylphenol				
535-89-7	Crimidine PESTANAL	250mg	NEAT	36564-250MG	
123-73-9	Crotonaldehyde-2,4-DNPH	100mg	NEAT	442529	
		100µg/mL	acetonitrile	47175-U	
7700-17-6	Crotoxyphos	50mg	NEAT	PS603	
	Cryson – see Resmethrin				
98-82-8	Cumene – see Isopropylbenzene				
	Cumene PESTANAL	1000mg	NEAT	36698-1G	
	Cuprinol – see Copper naphthenate				
	Curacron – see Profenofos				
	Curzate – see Cymoxanil				
21725-46-2	Cyanazine	100mg	NEAT	442530	
		2000µg/mL	methanol	48592	
2636-26-2	Cyanophos	100mg	NEAT	PS2034	
	Cyanox – see Cyanophos				
1134-23-2	Cycloate PESTANAL	250mg	NEAT	45408-250MG	
110-82-7	Cyclohexane	1000mg	NEAT	442531	
108-94-1	Cyclohexanone	1000mg	NEAT	442532	
108-94-1	Cyclohexanone-DNPH	100mg	NEAT	442533	
101205-02-1	Cycloxydim PESTANAL	100mg	NEAT	46071-100MG-R	
68359-37-5	Cyfluthrin PESTANAL	250mg	NEAT	46003	
	Cygon – see Dimethoate				
91465-08-6	λ -Cyhalothrin PESTANAL	100mg	NEAT	34325-100MG-R	
	Cyhexatin – see Tricyclohexyltin hydroxide				
	Cymate – see Ziram				
57966-95-7	Cymoxanil	100mg	NEAT	PS1067	
	Cymoxanil PESTANAL	100mg	NEAT	34326-100MG	

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Chemical Standards

SUPELCO

Multipurpose Standards

Neat and Single Component Solutions

CAS NO.	COMPOUND	QTY./CONC.	SOLVENT	CAT. NO.	PRICE
	Cyolane – see Phosfolan				
52315-07-8	Cypermethrin	100mg	NEAT	PS1068	
67375-30-8	α -Cypermethrin	500mg	NEAT	PS2083	
67375-30-8	α -Cypermethrin PESTANAL	100mg	NEAT	45806-100MG	
52315-07-8	Cypermethrin, mix of isomers PESTANAL	250mg	NEAT	45412-250MG	
121552-61-2	Cyprodinil PESTANAL	250mg	NEAT	34389-250MG	
69581-33-5	Cyprofuram PESTANAL	250mg	NEAT	45413-250MG	
66215-27-8	Cyromazine	500mg	NEAT	PS2073	
94-75-7	2,4-D	1000mg	NEAT	49083	
		100 μ g/mL	methanol	47896	
		5000 μ g/mL	acetonitrile	40330	
	2,4-D PESTANAL	250mg	NEAT	45415-250MG-R	
	2,4-D sec-butyl ester	1000mg	NEAT	PS301	
2008-39-1	2,4-D dimethylamine salt	1000mg	NEAT	PS337	
3599-58-4	2,4-D ethanolamine salt	1000mg	NEAT	PS338	
	2,4-D ethyl ester	1000mg	NEAT	PS304	
25168-26-7	2,4-D isooctyl ester	1000mg	NEAT	PS319	
94-11-1	2,4-D isopropyl ester	1000mg	NEAT	PS43	
1928-38-7	2,4-D methyl ester	1000mg	NEAT	49142	
		200 μ g/mL	hexane	47979	
75-99-0	Dalapon	1000 μ g/mL	methyl t-butyl ether	47656-U	
	Dalapon PESTANAL	250mg	NEAT	35562-250MG	
58811-23-7	Dalapon methyl ester	200 μ g/mL	hexane	47980-U	
		1000 μ g/mL	methyl t-butyl ether	47663-U	
17640-02-7	Dalapon-methyl PESTANAL	250mg	NEAT	45383-250MG	
1596-84-5	Daminozide PESTANAL	250mg	NEAT	45418-250MG	
	Danitol – see Fenpropathrin				
94-82-6	2,4-DB PESTANAL	250mg	NEAT	45420-250MG-R	
18625-12-2	2,4-DB methyl ester	200 μ g/mL	hexane	47981	
	2,4-DB-methyl ester PESTANAL	250mg	NEAT	36776-250MG-R	
	DBCP – see 1,2-Dibromo-3-chloropropane				
	DBP – see Di-n-butylphthalate				
	DCB – see 2,6-Dichlorobenzonitrile				
83-05-6	4,4'-DDA PESTANAL	250mg	NEAT	35484-250MG	
53-19-0	2,4'-DDD	1000mg	NEAT	49015	
72-54-8	4,4'-DDD	20 μ g/mL	methanol	48680	
		5000 μ g/mL	methanol	40092	
		1000mg	NEAT	49009	
	4,4'-DDD (TDE) PESTANAL	250mg	NEAT	35486-250MG	
3424-82-6	2,4'-DDE PESTANAL	100mg	NEAT	45915-100MG	
72-55-9	4,4'-DDE	1000mg	NEAT	49017	
		200 μ g/mL	isooctane (10mL)	48968	
		5000 μ g/mL	methanol	40091	
	4,4'-DDE PESTANAL	250mg	NEAT	35487-250MG	
	DDT	1000MG	NEAT	PS74	
50-29-3	4,4'-DDT	1000mg	NEAT	49019	
		20 μ g/mL	methanol	48678	
		200 μ g/mL	isooctane (10mL)	48980	
		5000 μ g/mL	methanol	40124	
	4,4'-DDT PESTANAL	250mg	NEAT	35491-250MG	
	DDVP – see Dichlorvos				
2051-24-3	Decachlorobiphenyl	100mg	NEAT	442537	
	Decachlorobiphenyl	200 μ g/mL	acetone	48318	
434-90-2	Decafluorobiphenyl	1000mg	NEAT	442538	
		2000 μ g/mL	methylene chloride	48792	
5074-71-5	Decafluorotriphenylphosphine	100mg	NEAT	442543	
		2000 μ g/mL	methylene chloride	48082	
		25,000 μ g/mL	methylene chloride	48724-U	
	Decamethrin – see Deltamethrin				
124-18-5	n-Decane	1000mg	NEAT	442669	

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Chemical
Standards

SUPELCO

Multipurpose Standards

Neat and Single Component Solutions

CAS NO.	COMPOUND	QTY./CONC.	SOLVENT	CAT. NO.	PRICE
112-30-1	Decanol	1000mg	NEAT	442539	
872-05-9	1-Decene	1000mg	NEAT	442262	
	Dechlorane – see Mirex				
2016-57-1	Decylamine	1000mg	NEAT	442540	
85-00-7	Deiquat monohydrate PESTANAL	250mg	NEAT	45422-250MG-R	
	6-Deisopropylatrazine – see Atrazine desisopropyl				
52918-63-5	Deltamethrin PESTANAL	250mg	NEAT	45423-250MG	
	Delnav – see Dioxathion				
8065-48-3	Demeton O&S	100mg	NEAT	PS661662	
126-75-0	Demeton S	100mg	NEAT	PS662	
919-86-8	Demeton-S-methyl PESTANAL	250mg	NEAT	45304-250MG	
17040-19-6	Demeton-S-methyl-sulfone PESTANAL	250mg	NEAT	45424-250MG	
	Desanit – see Fensulfothion				
1014-69-3	Desmetryn PESTANAL	250mg	NEAT	45427-250MG	
140-56-7	Dexon	1000mg	NEAT	PS262	
10311-84-9	Dialifos PESTANAL	100mg	NEAT	36500-100MG	
2303-16-4	Diallate, mix of cis and trans isomers PESTANAL	100mg	NEAT	36501-100MG	
95-80-7	2,4-Diaminotoluene	1000mg	NEAT	442311	
333-41-5	Diazinon	1000mg	NEAT	49021	
	Diazinon PESTANAL	250mg	NEAT	45428-250MG	
53-70-3	Dibenzo(a,h)anthracene	100mg	NEAT	48574	
		200µg/mL	methylene chloride	48652	
132-64-9	Dibenzofuran	100mg	NEAT	442549	
		250mg	NEAT	45775-250MG	
		200µg/mL	methylene chloride	48325	
		5000µg/mL	methanol	40261	
189-64-0	Dibenzo(a,h)pyrene	500µg/mL	methylene chloride: benzene, 75:25	502340	
132-65-0	Dibenzothiophene	1000mg	NEAT	442550-U	
		250mg	NEAT	45776-250MG	
300-76-5	Dibrom PESTANAL	250mg	NEAT	45429-250MG	
631-64-1	Dibromoacetic acid	1000mg	NEAT	442551	
		1000µg/mL	methyl t-butyl ether	47660-U	
3252-43-5	Dibromoacetonitrile	1000mg	NEAT	442552	
92-86-4	4,4'-Dibrom obiphenyl	250mg	NEAT	442398	
		2000µg/mL	methylene chloride	48790-U	
124-48-1	Dibromochloromethane	1000mg	NEAT	48542	
		200µg/mL	methanol	48608	
		5000µg/mL	methanol	40200-U	
96-12-8	1,2-Dibromo-3-chloropropane (DBPC)	100mg	NEAT	4S42223	
		1000mg	NEAT	442223	
		200µg/mL	methanol	48338	
		5000µg/mL	methanol	40993	
	1,2-Dibromo-3-chloropropane PESTANAL	250mg	NEAT	36782-250MG-R	
106-93-4	1,2-Dibromoethane (Ethylene dibromide)	200µg/mL	methanol	48880-U	
		5000µg/mL	methanol	40171	
	1,2-Dibromoethane PESTANAL	1000mg	NEAT	36699-1G	
1868-53-7	Dibromofluoromethane	1000mg	NEAT	442555	
		2000ug/mL	methanol	48077	
74-95-3	Dibromomethane	1000mg	NEAT	47799	
		2000µg/mL	methanol	48339	
		5000µg/mL	methanol	41097	
10386-84-2	4,4'-Dibrom octafluorobiphenyl	500mg	NEAT	442399-U	
		250µg/mL	acetone	47644-U	
		2000µg/mL	methylene chloride	48791	
615-58-7	2,4-Dibromophenol	1000mg	NEAT	442312	
608-33-3	2,6-Dibromophenol	1000mg	NEAT	442324	
600-05-5	2,3-Dibromopropionic acid	1000µg/mL	methyl t-butyl ether	47789	
105-99-7	Dibutyl adipate	1000mg	NEAT	442864	

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Chemical
Standards

SUPELCO

Multipurpose Standards

Neat and Single Component Solutions

CAS NO.	COMPOUND	QTY./CONC.	SOLVENT	CAT. NO.	PRICE
111-92-2	Di-n-butylamine PESTANAL	1000mg	NEAT	36700-1G	
1770-80-5	Dibutyl chlorendate	100mg	NEAT	442557	
		200µg/mL	acetonitrile	48129	
128-37-0	3,5-Di-tert-butyl-4-hydroxytol	1000mg	NEAT	442377	
84-74-2	Di-n-butyl phthalate	5000mg	NEAT	48559	
	Dibutyl phthalate PESTANAL	5000µg/mL	methanol	40066	
		1000mg	NEAT	36736-1G	
1918-00-9	Dicamba PESTANAL	250mg	NEAT	45430-250MG	
6597-78-0	Dicamba methyl ester	100mg	NEAT	PS1102	
		200µg/mL	hexane	47982	
	Di-captan – see Dicapthon				
2463-84-5	Dicapthon	1000mg	NEAT	PS669	
	Dichlobenil – see 2,6-Dichlorobenzonitrile				
1194-65-6	Dichlobenil PESTANAL	250mg	NEAT	45431-250MG	
97-17-6	Dichlofenthion PESTANAL	250mg	NEAT	45432-250MG	
1085-98-9	Dichlofluamid PESTANAL	250mg	NEAT	45433-250MG	
	Dichlofluamid-methyl – see Tolyfluanid				
99-30-9	Dichloran PESTANAL	250mg	NEAT	45435-250MG	
79-43-6	Dichloroacetic acid	1000µg/mL	methyl t-butyl ether	47657-U	
	Dichloroacetic acid PESTANAL	1000mg	NEAT	36545-1G	
79270-78-3	Dichlorprop-2-ethylhexyl ester PESTANAL	250mg	NEAT	45722-250MG	
15165-67-0	Dichlor prop-P PESTANAL	250mg	NEAT	36770-250MG-R	
3018-12-0	Dichloroacetonitrile	1000mg	NEAT	442560	
608-27-5	2,3-Dichloroaniline PESTANAL	1000mg	NEAT	36701-1G	
608-31-1	2,6-Dichloroaniline PESTANAL	1000mg	NEAT	36703-1G	
95-76-1	3,4-Dichloroaniline PESTANAL	1000mg	NEAT	35827-1G	
	o-Dichlorobenzene – see 1,2-Dichlorobenzene				
95-50-1	1,2-Dichlorobenzene	5000mg	NEAT	48522	
		200µg/mL	methanol	48639	
		5000µg/mL	methanol	40023	
	1,2-Dichlorobenzene PESTANAL	1000mg	NEAT	36707-1G	
2199-69-1	1,2-Dichlorobenzene-d4	250mg	NEAT	442226	
		2000µg/mL	methanol	48952-U	
		2000µg/mL	methylene chloride	48068	
541-73-1	1,3-Dichlorobenzene	5000mg	NEAT	48523	
		200µg/mL	methanol	48638	
		5000µg/mL	methanol	40214	
	1,3-Dichlorobenzene PESTANAL	1000mg	NEAT	36708-1G	
	p-Dichlorobenzene – see 1,4-Dichlorobenzene				
106-46-7	1,4-Dichlorobenzene	5000mg	NEAT	48524	
		200µg/mL	methanol	48627	
		5000µg/mL	methanol	40025	
	1,4-Dichlorobenzene PESTANAL	1000mg	NEAT	35775-1G	
3855-82-1	1,4-Dichlorobenzene-d4	1000mg	NEAT	442247	
		2000µg/mL	methanol	48049	
		2000µg/mL	methylene chloride	48419	
91-94-1	3,3'-Dichlorobenzidine	100mg	NEAT	48525	
		2000µg/mL	methanol	48029	
		5000µg/mL	methanol	40026	
51-36-5	3,5-Dichlorobenzoic acid	1000mg	NEAT	PS1107	
1194-65-6	2,6-Dichlorobenzonitrile	1000mg	NEAT	PS392	
90-98-2	4,4'-Dichlorobenzophenone	100mg	NEAT	MET854B	
2050-68-2	4,4'-Dichlorobiphenyl	500µg/mL	isooctane	48260-U	
110-56-5	1,4-Dichlorobutane	1000mg	NEAT	442248	
		2000µg/mL	methanol	48066	
		20,000µg/mL	methanol	48712	
110-57-6	trans-1,4-Dichloro-2-butene	100mg	NEAT	4S42814	
		1000mg	NEAT	442814	
		2000µg/mL	methanol	48303	
75-71-8	Dichlorodifluoromethane	200µg/mL	methanol	48623	
		5000µg/mL	methanol	40346	

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Chemical
Standards

SUPELCO

Multipurpose Standards

Neat and Single Component Solutions

CAS NO.	COMPOUND	QTY./CONC.	SOLVENT	CAT. NO.	PRICE
	Dichlorodiphenyltrichloroethane – see 4,4'-DDT				
75-34-3	1,1-Dichloroethane	500mg	NEAT	48512	
		200µg/mL	methanol	48602	
		5000µg/mL	methanol	40012	
107-06-2	1,2-Dichloroethane (Ethylene dichloride)	500mg	NEAT	48509	
		200µg/mL	methanol	48613	
1760-07-0	1,2-Dichloroethane-d4	500mg	NEAT	442228	
		2000µg/mL	methanol	48941	
75-35-4	1,1-Dichloroethene	5000mg	NEAT	48526	
		200µg/mL	methanol	48601	
		1000µg/mL	methanol	40027	
156-59-2	cis-1,2-Dichloroethene	1000mg	NEAT	48597	
		2000µg/mL	methanol	48836	
		5000µg/mL	methanol	40173	
156-60-5	trans-1,2-Dichloroethene	5000mg	NEAT	48527	
		200µg/mL	methanol	48612	
		5000µg/mL	methanol	40028	
75-09-2	Dichloromethane (Methylene dichloride)	5000mg	NEAT	48538	
		200µg/mL	methanol	48600	
		5000µg/mL	methanol	40042	
97-23-4	Dichlorophene PESTANAL	250mg	NEAT	35992-250MG	
576-24-9	2,3-Dichlorophenol	500mg	NEAT	442291-U	
	2,3-Dichlorophenol PESTANAL	1000mg	NEAT	36709-1G	
120-83-2	2,4-Dichlorophenol	5000mg	NEAT	48528	
		500µg/mL	methanol	48690-U	
		5000µg/mL	methanol	40029	
	2,4-Dichlorophenol PESTANAL	1000mg	NEAT	35811-1G	
	2,4-Dichlorophenol-d3	50mg	NEAT	442880	
583-78-8	2,5-Dichlorophenol PESTANAL	1000mg	NEAT	35835-1G	
87-65-0	2,6-Dichlorophenol	5000µg/ mL	methanol	40302	
	2,6-Dichlorophenol PESTANAL	1000mg	NEAT	35990-1G-R	
95-77-2	3,4-Dichlorophenol	1000mg	NEAT	442375	
591-35-5	3,5-Dichlorophenol	1000mg	NEAT	442378	
	2,4-Dichlorophenoxy-acetic acid – see 2,4-D				
78-87-5	1,2-Dichloropropane	5000mg	NEAT	48529	
		200µg/mL	methanol	48605	
96-23-1	1,3-Dichloro-2-propanol	2000µg/ mL	methanol	48078	
513-88-2	1,1-Dichloro-2-propanone	1000mg	NEAT	442210	
563-58-6	1,1-Dichloropropene	5000µg/ mL	methanol	41166	
10061-01-5	cis-1,3-Dichloropropene	100mg	NEAT	47755	
		2000µg/mL	methanol	47368-U	
10061-02-6	trans-1,3-Dichloropropene	100mg	NEAT	47793	
		2000µg/mL	methanol	47369	
542-75-6	1,3-Dichloropropene (isomer mix)	2000mg	NEAT	48530-U	
	1,3-Dichloropropene, mix of isomers PESTANAL	250mg	NEAT	45440-250MG	
565-64-0	2,3-Dichloropropionic acid	1000mg	NEAT	442203	
120-36-5	Dichlorprop	1000mg	NEAT	PS44	
57153-17-0	Dichlorprop methyl ester	100mg	NEAT	442562	
62-73-7	Dichlorvos (DDVP) PESTANAL	250mg	NEAT	45441-250MG	
75736-33-3	Diclobut razol, mix of stereoisomers PESTANAL	250mg	NEAT	36764-250MG	
99-30-9	Dicloran	1000mg	NEAT	PS293	
115-32-2	Dicofol PESTANAL	250mg	NEAT	36677-250MG-R	
141-66-2	Dicrotophos PESTANAL	250mg	NEAT	45305-250MG	
101-83-7	Dicyclohexylamine	1000mg	NEAT	442564	
77-73-6	Dicyclopentadiene	1000mg	NEAT	PS2033	
60-57-1	Dieldrin	50mg	NEAT	49024	
		200µg/mL	isooctane (10mL)	48972	
		1000µg/mL	methanol	40088	
	Dieldrin PESTANAL	250mg	NEAT	36671-250MG	
579-66-8	2,6-Diethylaniline PESTANAL	1000mg	NEAT	36765-1G	

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Chemical
Standards

SUPELCO

Multipurpose Standards

Neat and Single Component Solutions

CAS NO.	COMPOUND	QTY./CONC.	SOLVENT	CAT. NO.	PRICE
84-66-2	Diethyl phthalate PESTANAL	1000mg	NEAT	36737-1G	
123-79-5	Di(2-ethylhexyl)adipate	2000µg/mL	methanol	47995-U	
117-81-7	Di(2-ethylhexyl)phthalate	2000µg/mL	methanol	47994	
84-66-2	Diethyl phthalate	5000mg	NEAT	48561	
35367-38-5	Diflubenzuron PESTANAL	250mg	NEAT	45446-250MG	
83164-33-4	Diflufenican PESTANAL	100mg	NEAT	45751-100MG	
540-36-3	1,4-Difluorobenzene	1000mg	NEAT	442249	
		2000µg/mL	methanol	48944	
38882-9	2,2'-Difluorobiphenyl	100mg	NEAT	442280	
		2000µg/mL	methylene chloride	48787	
	Difluron – see Diflubenzuron				
	Difolatan – see Captafol				
1563-38-8	2,3-Dihydro-2,2-dimethyl-benzofuran-7-ol	1000mg	NEAT	MET754B	
110-96-3	Diisobutylamine	100mg	NEAT	506796	
929-57-7	1,6-Diisocyanohexane	1000mg	NEAT	442254	
	Dimecron – see Phosphamidon				
115-26-4	Dimefox PESTANAL	100mg	NEAT	36502-100MG	
50563-36-5	Dimethachlor PESTANAL	250mg	NEAT	45447-250MG	
22936-75-0	Dimethametryn PESTANAL	250mg	NEAT	45448-250MG	
55290-64-7	Dimethipin	1000mg	NEAT	PS2052	
60-51-5	Dimethoate	100mg	NEAT	442567	
		200µg/mL	methylene chloride	48371	
	Dimethoate PESTANAL	250mg	NEAT	45449-250MG	
95-68-1	2,4-Dimethylaniline	1000mg	NEAT	442315	
75-60-5	Dimethylarsinic acid	1000mg	NEAT	PS51	
152477-96-8	2,5-Dimethylbenzaldehyde-2,4-DNPH	100mg	NEAT	442321-U	
57-97-6	7,12-Dimethylbenz(a)anthracene	100mg	NEAT	442425	
		1000µg/mL	methanol	40567	
68-12-12	Dimethyl formamide	1000mg	NEAT	442568	
81-20-9	1,3-Dimethyl-2-nitrobenzene	1000mg	NEAT	442243	
		250µg/mL	methyl-t-butyl ether	48063	
105-67-9	2,4-Dimethylphenol	500mg	NEAT	48531	
		5000µg/mL	methanol	40224	
101-42-8	1,1-Dimethyl-3-phenylurea	1000mg	NEAT	PS61	
950-35-6	Dimethyl-p-nitrophenylphosphate	100mg	NEAT	PS613	
131-11-3	Dimethyl phthalate	5000mg	NEAT	48562	
		5000µg/mL	methanol	40069	
	Dimilin – see Diflubenzuron				
29091-05-2	Dinitramine PESTANAL	250mg	NEAT	34333-250MG	
99-65-0	1,3-Dinitrobenzene	1000mg	NEAT	442244	
		1000µg/mL	acetonitrile	47746-U	
100-25-4	1,4-Dinitrobenzene	1000mg	NEAT	442250	
		2000µg/mL	methanol	47945	
	4,6-Dinitro-o-cresol – see 2-Methyl-4,6-dinitrophenol				
534-52-1	Dinitro-o-cresol – see 2-Methyl-4,6-dinitrophenol				
51-28-5	2,4-Dinitrophenol	5000µg/mL	methanol	40057	
	2,4-Dinitrophenol PESTANAL	250mg	NEAT	34334-250MG	
329-71-5	2,5-Dinitrophenol PESTANAL	250mg	NEAT	34335-250MG-R	
121-14-2	2,4-Dinitrotoluene	1000µg/mL	acetonitrile	47747	
606-20-2	2,6-Dinitrotoluene	1000µg/mL	acetonitrile	47748-U	
		5000µg/mL	methanol	40034	
39300-45-3	Dinocap, technical mixture of isomers PESTANAL	250mg	NEAT	45452-250MG	
117-84-0	Di-n-octyl phthalate	5000mg	NEAT	48560-U	
88-85-7	Dinoseb	100mg	NEAT	442570	
		200µg/mL	methylene chloride	48378	
	Dinoseb PESTANAL	250mg	NEAT	45453-250MG	
6099-79-2	Dinoseb methyl ether	200µg/mL	hexane	47984	
123-91-1	1,4-Dioxane	1000mg	NEAT	442251	
		2000µg/mL	methanol	48367	

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Chemical
Standards

SUPELCO

Multipurpose Standards

Neat and Single Component Solutions

CAS NO.	COMPOUND	QTY./CONC.	SOLVENT	CAT. NO.	PRICE
78-34-2	Dioxathion	100mg	NEAT	PS658	
120-95-6	2,4-Di-tert-pentylphenol	1000mg	NEAT	442310	
131-18-0	Dipentylph thalate	1000mg	NEAT	442867	
82-66-6	Diphacinone	100mg	NEAT	PS288	
	Diphenadione – see Diphacinone				
	Diphenyl – see Biphenyl				
122-39-4	Diphenylamine	5000µg/mL	methanol	40263-U	
101-84-8	Diphenyl ether (Phenyl ether)	2000µg/mL	methanol	48155	
122-66-7	1,2-Diphenylhydrazine	100mg	NEAT	442232-U	
945-51-7	Diphenyl sulfoxide PESTANAL	1000mg	NEAT	36722-1G	
4147-51-7	Dipropetryn PESTANAL	250mg	NEAT	45459-250MG	
	Dipthal – see Tri-allate				
6385-62-2	Diquat dibromide monohydrate	1000mg	NEAT	PS365	
144-21-8	Disodium methyl arsenate	1000mg	NEAT	PS281	
	Disomar – see Disodium methyl arsenate				
298-04-4	Disulfoton	100mg	NEAT	442572	
	Disulfoton PESTANAL	250mg	NEAT	45460-250MG	
2497-06-5	Disulfoton-sulfone PESTANAL	100mg	NEAT	45871-100MG	
	Di-syston – see Disulfoton				
	DNBP – see Dinoseb				
629-97-0	n-Docosane	1000mg	NEAT	442670	
112-40-3	n-Dodecane	1000mg	NEAT	442671	
	Dolochlor – see Chloropicrin				
544-85-4	n-Dotriacontane	1000mg	NEAT	442672	
	Dowpon – see Dalapon				
	2,4-DP – see Dichlorprop				
	DPA – see Dalapon				
	DPX-F 5384 – see Benzsulfuron methyl				
	Dual (see Metolachlor)				
2921-88-2	Dursban (Chlorpyrifos)	100mg	NEAT	442573	
944-22-9	Dyfonate	1000mg	NEAT	PS664	
52-68-6	Dylox	1000mg	NEAT	PS608	
	Dyrene – see Anilazine				
112-95-8	n-Eicosane	1000mg	NEAT	442673	
3452-07-1	1-Eicosene	1000mg	NEAT	442265	
	EMQ – see Ethoxyquin				
	Enaven – see Benzoylprop ethyl				
	Endosulfan	1000mg	NEAT	PS81	
959-98-8	Endosulfan I (alpha)	25mg	NEAT	48576	
	α-Endosulfan PESTANAL	250mg	NEAT	45468-250MG	
33213-65-9	Endosulfan II (beta)	25mg	NEAT	48578	
	Endosulfan (beta isomer)	100mg	NEAT	PS812	
	β-Endosulfan PESTANAL	250mg	NEAT	36668-250MG-R	
115-29-7	Endosulfan (α+β=2+1) PESTANAL	250mg	NEAT	36750-250MG-R	
2157-19-9	Endosulfan alcohol PESTANAL	100mg	NEAT	36674-100MG	
	Endosulfan cyclic sulfate – see Endosulfan sulfate				
	Endosulfan lactone	50mg	NEAT	MET81C	
1031-07-8	Endosulfan sulfate	20µg/mL	methanol	48687	
		50mg	NEAT	PS813	
	Endosulfan sulfate PESTANAL	100mg	NEAT	36676-100MG-R	
145-73-3	Endothall	1000mg	NEAT	PS345	
		1000µg/mL	methanol	46864-U	
72-20-8	Endrin	100mg	NEAT	49032	
		20µg/mL	methanol	48675	
		200µg/mL	isooctane (10mL)	48976	
		5000µg/mL	methanol	40087	

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Chemical Standards

SUPELCO

Multipurpose Standards

Neat and Single Component Solutions

CAS NO.	COMPOUND	QTY./CONC.	SOLVENT	CAT. NO.	PRICE
7421-93-4	Endrin aldehyde	25mg	NEAT	442578	
		20µg/mL	methanol	48723-U	
		1000µg/mL	methanol	40097	
53494-70-5	Endrin ketone	25mg	NEAT	442579	
	Enide – see Diphenamid				
	Enstar – see Kinoprene				
106-89-8	Epichlorohydrin	1000mg	NEAT	442580	
2104-64-5	EPN PESTANAL	100mg	NEAT	36503-100MG	
66230-04-4	Esfenvalerate PESTANAL	100mg	NEAT	46277-100MG	
	Estradiol-d3	25mg	NEAT	442878	
64-17-5	Ethanol (Ethyl alcohol)	2000µg/mL	methanol	48075	
	Ethazole – see Etridiazole				
16672-87-0	Ethephon PESTANAL	250mg	NEAT	45473-250MG	
563-12-2	Ethion PESTANAL	250mg	NEAT	45477-250MG	
13194-48-4	Ethoprophos PESTANAL	250mg	NEAT	45306-250MG	
91-53-2	Ethoxyquin PESTANAL	250mg	NEAT	45480-250MG-R	
126801-58-9	Ethoxysulfuron PESTANAL	100mg	NEAT	46300-100MG-R	
141-78-6	Ethyl acetate	1000mg	NEAT	442583	
		2000µg/mL	methanol	47947	
64-17-5	Ethyl alcohol – see Ethanol				
100-41-4	Ethylbenzene	5000mg	NEAT	48534	
		200µg/mL	methanol	48621	
		5000µg/mL	methanol	40036	
25837-05-2	Ethylbenzene-d10	2000µg/mL	methanol	48942	
115-84-4	2-Ethyl-2-butyl-1,3-propanediol	1000mg	NEAT	PS101	
75-00-3	Ethyl chloride – see Chloroethane				
107-07-3	Ethylene chlorohydrin – see 2-Chloroethanol				
5459-93-8	N-Ethylcyclohexylamine	1000mg	NEAT	MET502A	
106-93-4	Ethylene dibromide – see 1,2-Dibromoethane				
107-06-2	Ethylene dichloride – see 1,2-Dichloroethane				
75-21-8	Ethylene oxide	2000µg/mL	methylene chloride	47949	
		50,000µg/mL	methylene chloride	48891	
		50,000µg/mL	methanol	48838	
60-29-7	Ethyl ether	2000µg/mL	methanol	47948	
759-94-4	S-Ethyl dipropylthiocarbamate	1000mg	NEAT	PS54	
149-57-5	2-Ethylhexanoic acid	1000mg	NEAT	442347	
75-08-1	Ethyl mercaptan	1000mg	NEAT	506818	
107-27-7	Ethyl mercuric chloride	1000mg	NEAT	PS209	
	Ethylmercury chloride – see Ethyl mercuric chloride				
	Ethyl paraoxon – see Paraoxon				
	Ethyl parathion – see Parathion				
620-17-7	3-Ethylphenol	500mg	NEAT	442387	
123-07-9	4-Ethylphenol PESTANAL	1000mg	NEAT	36724-1G	
2593-15-9	Etridiazole (Ethazol)	250mg	NEAT	442590	
97-53-0	Eugenol PESTANAL	250mg	NEAT	35995-250MG	
	Evik – see Ametryn				
	Expand – see Sethoxydim				
52-85-7	Famphur	200µg/mL	methylene chloride	48379	
	Fenamiosulf – see Dexon				
	Fenamiphos sulfone	100mg	NEAT	MET612B	
31972-44-8	Fenamiphos-sulfon PESTANAL	100mg	NEAT	46292-100MG	
	Fenamiphos sulfoxide	50mg	NEAT	MET612A	
31972-43-7	Fenamiphos-sulfoxide PESTANAL	100mg	NEAT	46293-100MG	
14255-88-0	Fenazaflor PESTANAL	100mg	NEAT	36504-100MG	
120928-09-8	Fenazaquin PESTANAL	100mg	NEAT	46087-100MG-R	
13356-08-6	Fenbutatin oxide PESTANAL	250mg	NEAT	34342-250MG	
103112-36-3	Fenchlorazol-ethyl PESTANAL	100mg	NEAT	PS657	

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Chemical
Standards

SUPELCO

Multipurpose Standards

Neat and Single Component Solutions

CAS NO.	COMPOUND	QTY./CONC.	SOLVENT	CAT. NO.	PRICE
299-84-3	Fenchlorphos PESTANAL	250mg	NEAT	45485-250MG	
122-14-5	Fenitrothion PESTANAL	250mg	NEAT	45487-250MG	
	Fenophosphan – see Trichloronate				
71238-80-2	Fenoxaprop-P-ethyl PESTANAL	250mg	NEAT	36851-250MG	
79127-80-3	Fenoxycarb PESTANAL	250mg	NEAT	34343-250MG	
74738-17-3	Fenpiclonil PESTANAL	250mg	NEAT	36532-250MG	
64257-84-7	Fenpropathrin PESTANAL	250mg	NEAT	36767-250MG-R	
67564-91-4	Fenpropimorph PESTANAL	250mg	NEAT	36772-250MG-R	
111812-58-9	Fenpyroximate PESTANAL	100mg	NEAT	46137-100MG-R	
115-90-2	Fensulfthion PESTANAL	250mg	NEAT	45307-250MG	
55-38-9	Fenthion PESTANAL	250mg	NEAT	36552-250MG	
	Fenthoate – see Phenthoate				
51630-58-1	Fenvalerate PESTANAL	250mg	NEAT	45495-250MG	
	Fenvalerate alpha – see Asana				
	Filarol – see Bromophos ethyl				
79241-46-6	Fluazifop-p-butyl	100mg	NEAT	PS1097	
69806-50-4	Fluazifop-butyl PESTANAL	250mg	NEAT	36783-250MG	
2164-17-2	Fluometuron	500mg	NEAT	442593-U	
206-44-0	Fluoranthene	5000mg	NEAT	48535	
		200µg/mL	methylene chloride	48662	
		5000µg/mL	methanol	40037	
	Fluoranthene-d10	50mg	NEAT	442843	
86-73-7	Fluorene	5000mg	NEAT	48568	
		5000µg/mL	methanol	40078	
	Fluorene-d10	50mg	NEAT	442848	
62-74-8	Fluoroacetic acid sodium salt PESTANAL	1000mg	NEAT	36755-1G-R	
462-06-6	Fluorobenzene	1000mg	NEAT	47321	
		2000µg/mL	methanol	48943	
321-60-8	2-Fluorobiphenyl	2000µg/mL	methylene chloride	48722-U	
		10,000µg/mL	methylene chloride	47581-U	
321-38-0	1-Fluoronaphthalene	1000mg	NEAT	442266	
		2000µg/mL	methylene chloride	48720-U	
323-09-1	2-Fluoronaphthalene	100mg	NEAT	442349	
		2000µg/mL	methylene chloride	48721-U	
367-12-4	2-Fluorophenol	1000mg	NEAT	442350	
		2000µg/mL	methylene chloride	48719-U	
69377-81-7	Fluroxypyr PESTANAL	100mg	NEAT	45758-100MG-R	
66332-96-5	Flutolanil	1000mg	NEAT	PS2057	
76674-21-0	Flutriafol PESTANAL	100mg	NEAT	34344-100MG	
	Fluvalinate – see Mavrik				
107534-96-3	Folicur	100mg	NEAT	PS1091	
	Folimat – see Omethoate				
	Fonofos – see Dyfonate				
	Formaldehyde-2,4-DNPH	100mg	NEAT	442597	
		100µg/mL	acetonitrile	47177	
39148-24-8	Fosetyl-aluminium PESTANAL	250mg	NEAT	36790-250MG-R	
76-13-1	Freon 113	1000µg/mL	methanol	48411	
		2000µg/mL	methanol	47944	
	Freon 123	1000µg/mL	methanol	48412	
	Fumazone – see 1,2-Dibromo-3-chloropropane				
	Furatol – see Sodium fluoroacetate				
	Fusilade super – see Fluazifop-p-butyl				
	Gardona – see Tetrachlorvinphos				
	Garlon – see Triclopyr				
	(+/-) Geosmin	100µg/mL	methanol	47522-U	

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Chemical Standards

SUPELCO

Multipurpose Standards Neat and Single Component Solutions

CAS NO.	COMPOUND	QTY./CONC.	SOLVENT	CAT. NO.	PRICE
	Gesagard – see Prometryn				
77-06-5	Gibberellic acid, GA3 PESTANAL	250mg	NEAT	36575-250MG	
	Glean – see Chlorsulfuron				
556-22-9	Glyodin	1000mg	NEAT	PS261	
	Glyoxide – see Glyodin				
1071-83-6	Glyphosate PESTANAL	250mg	NEAT	45521-250MG	
	Graminon – see Isoproturon				
69806-34-4	Haloxyfop PESTANAL	250mg	NEAT	45817-250MG	
	Harmony	100mg	NEAT	PS2011	
	Harness – see Acetochlor				
	HCB – see Hexachlorobenzene				
319-85-6	α -HCH PESTANAL	1000mg	NEAT	35809-1G	
319-85-7	β -HCH PESTANAL	250mg	NEAT	35911-250MG	
319-86-8	δ -HCH PESTANAL	250mg	NEAT	35912-250MG	
608-73-1	HCH, mix of isomers (α : β : γ : δ =1:1:1:1) PESTANAL	250mg	NEAT	36756-250MG	
	Heod – see Dieldrin				
76-44-8	Heptachlor	200 μ g/mL 1000 μ g/mL	isooctane (10mL) methanol	48964 40098	
	Heptachlor PESTANAL	250mg	NEAT	35482-250MG	
1024-57-3	Heptachlor epoxide isomer A	1000 μ g/mL	methanol	48198	
	Heptachlor endo-epoxide, isomer A PESTANAL	100mg	NEAT	35492-100MG	
1024-57-3	Heptachlor epoxide isomer B	20 μ g/mL 1000 μ g/mL	methanol methanol	48677 40099	
28044-83-9	Heptachlor exo-epoxide, isomer B PESTANAL	100mg	NEAT	34309-100MG	
629-78-7	n-Heptadecane	1000mg	NEAT	442676	
142-82-5	n-Heptane	1000mg	NEAT	442677	
592-76-7	1-Heptene	1000mg	NEAT	442267-U	
	Heptox – see Heptachlor				
87-82-1	Hexabromobenzene	500mg	NEAT	442605	
118-74-1	Hexachlorobenzene	1000mg 1000 μ g/mL	NEAT acetone	48508 40008	
35065-30-6	2,2',4,4',5,5'-Hexachlorobiphenyl	10 μ g/mL	isooctane	47336	
87-68-3	Hexachlorobutadiene	5000mg 5000 μ g/mL	NEAT methanol	48543 40050-U	
77-47-4	Hexachlorocyclopentadiene	500 μ g/mL 5000 μ g/mL	methanol methanol	48388 40051	
67-72-1	Hexachloroethane	5000mg 5000 μ g/mL	NEAT methanol	48511 40011	
70-30-4	Hexachlorophene	5000 μ g/mL	methanol	40323	
79983-71-4	Hexaconazol PESTANAL	100mg	NEAT	34348-100MG	
630-01-3	n-Hexacosane	1000mg	NEAT	442678	
544-76-3	n-Hexadecane	1000mg	NEAT	442679	
629-73-2	1-Hexadecene	1000mg	NEAT	442268	
1527-97-5	Hexaldehyde-2,4-DNPH	100mg 1000 μ g/mL	NEAT acetonitrile	442614 47178-U	
110-54-3	Hexane	1000mg	NEAT	442615	
111-27-3	1-Hexanol	1000mg	NEAT	442269	
591-78-6	2-Hexanone	5mL 200 μ g/mL	NEAT methanol	47733-U 48362	
630-06-8	n-Hexatriacontane	1000mg	NEAT	442680	
1077-16-3	n-Hexylbenzene (1-Phenylhexane)	1000mg	NEAT	442682-U	
	HHDN – see Aldrin				
2691-41-0	HMX	1000 μ g/mL	acetonitrile	47236	
134-31-6	8-Hydroxyquinoline sulfate PESTANAL	250mg	NEAT	36525-250MG-R	
	Hyvar – see Bromacil				
	Idryl – see Fluoranthene				
	Igran – see Terbutryn				
81334-34-1	Imazapyr PESTANAL	250mg	NEAT	45754-250MG-R	

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Chemical
Standards

SUPELCO

Multipurpose Standards

Neat and Single Component Solutions

CAS NO.	COMPOUND	QTY./CONC.	SOLVENT	CAT. NO.	PRICE
81335-37-7	Imazaquin PESTANAL	250mg	NEAT	45755-250MG-R	
81335-77-5	Imazethapyr	100mg	NEAT	PS2039	
138261-41-3	Imidacloprid PESTANAL	250mg	NEAT	46009-250MG	
732-11-6	Imidan	1000mg	NEAT	PS653	
96-45-7	2-Imidazolidinethione PESTANAL	250mg	NEAT	45531-250MG	
193-39-5	Indeno(1,2,3-cd)pyrene	10mg	NEAT	48499	
		200µg/mL	methanol	48669	
120-72-9	Indole	1000mg	NEAT	442619	
		2000µg/mL	methanol	48157	
74-88-4	Iodomethane	100mg	NEAT	47376	
		100mg	NEAT	4S7376	
		2000µg/mL	methanol:water, 80:20	47406	
3861-47-0	logran – see Triasulfuron loxynil-octanoate PESTANAL IPC – see Propham	250mg	NEAT	36533-250MG	
36734-19-7	Iprodione	100µg/mL	acetone	47955	
28154-48-2	Irgarol PESTANAL	250mg	NEAT	46105-250MG	
78-83-1	Isobutyl alcohol (see 2-Methyl-1-propanol)				
24683-00-9	2-Isobutyl-3-methoxy-pyrazine	100µg/mL	methanol	47528-U	
	Isobutyraldehyde-2,4-DNPH	100µg/mL	acetonitrile	47886	
465-73-6	Isodrin	5000µg/mL	methanol	40856	
78-59-1	Isophorone	5000mg	NEAT	48545	
75-31-0	Isopropylamine	1000mg	NEAT	442629	
98-82-8	Isopropylbenzene (Cumene)	5000µg/mL	methanol	40669	
	4,4'-Isopropylidenediphenol	500mg	NEAT	442840	
108-20-3	Isopropyl ether	1000mg	NEAT	442627	
2814-20-2	2-Isopropyl-6-methyl-4-pyrimidinol	1000mg	NEAT	MET90B	
25773-40-4	2-Isopropyl-3-methoxy-pyrazine	100µg/mL	methanol	47527-U	
99-87-6	p-Isopropyltoluene	1000mg	NEAT	442732	
34123-59-6	Isoproturon PESTANAL	250mg	NEAT	45542-250MG	
	Isosystox – see Demeton S				
2256-01-1	Isovaleraldehyde-2,4-DNPH	100mg	NEAT	442632	
		1000µg/mL	acetonitrile	47179	
	Karathane – see Dinocap				
23950-58-5	Kerb – see Pronamide δ-Keto 153 – see Endrin ketone				
42588-37-4	Kinoprene	100mg	NEAT	PS2051	
	Kremite – see Terbutylazine				
	Lannate – see Methomyl				
	Lasso – see Alachlor				
	Leptophos oxon	50mg	NEAT	MET677A	
	Leptophoxon – see Leptophos oxon				
	Lexone – see Metribuzin				
58-89-9	Lindane – see γ-BHC				
330-55-2	Linuron PESTANAL	250mg	NEAT	45549-250MG	
	Lonacol – see Zineb				
	Lorox – see Linuron				
	Machete – see Butachlor				
1634-78-2	Malaaxon PESTANAL	250mg	NEAT	45550-250MG-R	
121-75-5	Malathion PESTANAL	250mg	NEAT	45551-250MG	
1634-78-2	Malathion-O-analog	100mg	NEAT	MET86C	
	Maloran – see Chlorbromuron				
8018-01-7	Mancozeb, technical mixture PESTANAL	250mg	NEAT	45553-250MG	
12427-38-2	Maneb PESTANAL	250mg	NEAT	45554-250MG	
	Marlate – see Methoxychlor				
102851-06-9	Mavrik	100mg	NEAT	PS1071	

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Chemical
Standards

SUPELCO

Multipurpose Standards

Neat and Single Component Solutions

CAS NO.	COMPOUND	QTY./CONC.	SOLVENT	CAT. NO.	PRICE
94-74-6	MCPA PESTANAL	250mg	NEAT	45555-250MG	
26544-20-7	MCPA-2-ethylhexyl ester PESTANAL	250mg	NEAT	36977-250MG	
2786-19-7	MCPA methyl ester – see 4-Chloro-o- tolyloxyacetic acid methyl ester MCPA methyl ester	2000µg/mL	hexane	47985-U	
94-81-5	MCPB PESTANAL	250mg	NEAT	45557-250MG	
2436-73-9	MCPP methyl ester	2000µg/mL	hexane	47986	
7085-19-0	Mecoprop PESTANAL	250mg	NEAT	45559-250MG	
94596-45-9	Mecoprop-P PESTANAL	250mg	NEAT	36773-250MG-R	
78-93-3	MEK – see 2-Butanone				
55814-41-0	M epronil PESTANAL	250mg	NEAT	34303-250MG	
	Mercaptophos – see Fenthion				
	Mertect – see Thiabendazole				
	Mesurol – see Methiocarb				
	Metacide – see Methyl parathion				
57837-19-1	Metalaxyl PESTANAL	250mg	NEAT	45565-250MG	
9002-91-9	Metaldehyde PESTANAL Metam – see Metham sodium	1000mg	NEAT	36611-1G-R	
6734-80-1	Metam-sodium-dihydr ate PESTANAL Metason – see Metaldehyde	250mg	NEAT	45570-250MG	
919-86-8	Metasystox I Metasystoxor – see Oxydemeton-methyl	50mg	NEAT	PS1096	
67129-08-2	M etazachlor PESTANAL	250mg	NEAT	45567-250MG	
18691-97-9	Methabenzthiazuron	100mg	NEAT	PS2048	
62610-77-9	Methacrifos PESTANAL Methacrolein-2,4-DNPH	250mg 100mg 100µg/mL	NEAT NEAT acetonitrile	45569-250MG 442639 47180-U	
126-98-7	Methacrylonitrile	1000mg	NEAT	442640	
137-42-8	Metham sodium	1000mg	NEAT	PS221	
10265-92-6	Methamidophos PESTANAL	250mg	NEAT	45309-250MG	
91-80-5	M ethapyriene HCl	1000mg	NEAT	442641	
950-37-8	Methidathion PESTANAL	250mg	NEAT	45572-250MG	
2032-65-7	Methiocarb Methiocarb sulfone	1000mg 50mg	NEAT NEAT	PS543 MET543A	
16752-77-5	Methomyl PESTANAL	250mg	NEAT	45573-250MG	
40596-69-8	Methoprene PESTANAL	250mg	NEAT	34386-250MG	
72-43-5	Methoxychlor Methoxychlor PESTANAL	1000mg 200µg/mL 250mg	NEAT isooctane (10mL) NEAT	49054 48982 45575-250MG	
30667-99-3	p,p'-Methoxychlor-olefin Methyl 2-aminobenzoate – see Methyl anthranilate	50mg	NEAT	MET83B	
134-20-3	Methyl anthranilate	100mg	NEAT	PS2055	
96-32-2	Methyl bromoacetate	1000µg/mL	methyl t-butyl ether	47662-U	
20428-74-4	Methyl bromochloroacetate Methyl bromodichloroacetate	1000µg/mL 1000µg/mL	methyl t-butyl ether methyl t-butyl ether	47666-U 47761	
57885-43-5	Methy-2-bromopropionate	1000mg	NEAT	442657	
1634-04-4	Methyl-t-butyl ether (MTBE)	1000mg 2000ug/mL	NEAT methanol	48027 48483	
56-49-5	3-M ethylchloranthrene	50mg 2000µg/mL	NEAT methylene chloride	442388 48376	
96-34-4	Methyl chloroacetate Methyl chlorodibromoacetate	1000µg/mL 1000µg/mL	methyl t-butyl ether methyl t-butyl ether	47661-U 47762	
56-49-5	3-Methylcholanthrene	50mg	NEAT	442388	
108-87-2	Methyl cyclohexane	1000mg	NEAT	442649	
6482-26-4	Methyl dibromoacetate	50mg 1000µg/mL	NEAT methyl t-butyl ether	442650 47667-U	
	Methyl 2,3-dibromopropionate	1000µg/mL	methyl t-butyl ether	46970-U	
116-54-1	Methyl dichloroacetate Methyl-2,4-dichlorophenoxybutyrate – see 2,4-DB methyl ester	1000µg/mL	methyl t-butyl ether	47664-U	

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Chemical
Standards

SUPELCO

Multipurpose Standards

Neat and Single Component Solutions

CAS NO.	COMPOUND	QTY./CONC.	SOLVENT	CAT. NO.	PRICE
	Methyl-2,4-dichlorophenylacetate	100mg	NEAT	442644	
		100µg/mL	acetone	47339	
		2000µg/mL	acetone	47329-U	
3674-09-7	Methyl-2,3-dichloropropionate	1000mg	NEAT	442656	
534-52-1	2-Methyl-4,6-dinitrophenol (4,6-Dinitro-o-cresol)	500µg/mL	methanol	48697	
		5000µg/mL	methanol	40058	
		1000mg	NEAT	PS57	
	Methyl dursban – see Chlorpyrifos methyl				
75-09-2	Methylene chloride – see Dichloromethane				
	Methylene di-p-phenyl diisocyanate	1000mg	NEAT	442658-U	
78-93-3	Methyl ethyl ketone – see 2-Butanone				
108-10-1	Methyl isobutyl ketone – see 4-Methyl-2-pentanone				
	2-Methylisoborneol	100µg/mL	methanol	47523-U	
115-09-3	Methylmercury chloride PESTANAL	250mg	NEAT	34356-250MG	
80-62-6	Methyl methacrylate	1000µg/mL	methanol	40439	
90-12-0	α-Methylnaphthalene	500mg	NEAT	442430	
92-12-0	1-Methylnaphthalene	2000µg/mL	methanol	48162	
91-57-6	2-Methylnaphthalene	1000mg	NEAT	442359	
		200µg/mL	methylene chloride	48366	
2581-34-2	3-Methyl-4-nitrophenol	1000mg	NEAT	MET678B	
298-00-0	Methyl parathion	500mg	NEAT	49055	
		1000µg/mL	acetone	40572	
107-83-5	2-Methylpentane	1000mg	NEAT	442360	
96-14-0	3-Methylpentane	1000mg	NEAT	442390	
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	1000mg	NEAT	442417	
		200µg/mL	methanol	48360	
		5000µg/mL	methanol	40349	
95-48-7	2-Methylphenol (o-Cresol)	1000mg	NEAT	442361	
		5000µg/mL	methanol	40250-U	
108-39-4	3-Methylphenol (m-Cresol)	1000mg	NEAT	442391	
		5000µg/mL	methanol	40251-U	
106-44-5	4-Methylphenol (p-Cresol)	1000mg	NEAT	442418	
		5000µg/mL	methanol	40252-U	
15090-23-0	3-Methylphosphinopropionic acid PESTANAL	100mg	NEAT	36787-100MG-R	
78-83-1	2-Methyl-1-propanol (Isobutyl alcohol)	1000mg	NEAT	442623	
556-61-6	Methyl isothiocyanate PESTANAL	250mg	NEAT	45576-250MG	
3222-05-7	Methyl tribromoacetate	1000mg	NEAT	442654	
		1000µg/mL	methyl t-butyl ether	47730-U	
598-99-2	Methyl trichloroacetate	1000µg/mL	methyl t-butyl ether	47665-U	
	Methyl-2,4,5-trichlorophenoxyacetate – see 2,4,5-T methyl ester				
	Metiram – see Polyram				
3060-89-7	Metobromuron PESTANAL	250mg	NEAT	45578-250MG	
51218-45-2	Metolachlor PESTANAL	250mg	NEAT	45579-250MG	
21087-64-9	M etribuzin PESTANAL	250mg	NEAT	45581-250MG	
	Mevinphos – see Phosdrin				
338-45-4	cis-Mevinphos PESTANAL	100mg	NEAT	46057-100MG	
	Mexide – see Rotenone				
108-10-1	MIBK – see 4-Methyl-2-pentanone				
	Milogard – see Propazine				
2385-85-5	Mirex	500mg	NEAT	49057	
	Mirex PESTANAL	250mg	NEAT	45586-250MG	
	Mitac – see Amitraz				
	Mobilawn – see Dichlofenthion				
	Modown – see Bifenox				
2212-67-1	Molinate PESTANAL	250mg	NEAT	45587-250MG	
	Monate – see Monosodium acid methane arsonate				
	Moncut – see Flutolanil				
	Monitor – see Methamidophos				

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Chemical
Standards

SUPELCO

Multipurpose Standards

Neat and Single Component Solutions

CAS NO.	COMPOUND	QTY./CONC.	SOLVENT	CAT. NO.	PRICE
	Mono-chloroacetic acid – see Chloroacetic acid				
6923-22-4	Monocrotophos PESTANAL	250mg	NEAT	45589-250MG	
1746-81-2	Monolinuron PESTANAL	250mg	NEAT	45590-250MG	
2163-80-6	Monosodium acid methane arsonate	1000mg	NEAT	PS429	
150-68-5	Monuron	1000mg	NEAT	PS59	
	Monuron PESTANAL	250mg	NEAT	45591-250MG	
110-91-8	Morpholine PESTANAL	250mg	NEAT	45592-250MG	
	Mouser – see Brodifacoum				
	MSMA – see Monosodium acid methane arsonate				
1634-04-4	MTBE – see Methyl-t-butyl ether				
	Myclobutanil – see Systhane				
88671-89-0	Mycl obutanil PESTANAL	100mg	NEAT	34360-100MG	
142-59-6	Nabam, technical mixture PESTANAL	250mg	NEAT	45593-250MG	
	Nabame – see Nabam				
	Naled – see Dibrom				
91-20-3	Naphthalene	5000mg	NEAT	48546	
		200µg/mL	methanol	48641	
		5000µg/mL	methanol	40053	
1146-65-2	N naphthalene-d8	250mg	NEAT	442716	
		2000µg/mL	methylene chloride	48715-U	
90-15-3	1-Naphthol PESTANAL	1000mg	NEAT	35825-1G-R	
1929-87-9	(2-Naphthoxy)acetic acid methyl ester PESTANAL	250mg	NEAT	45736-250MG	
86-87-3	1-Naphthylacetic acid PESTANAL	1000mg	NEAT	35745-1G	
134-32-7	1-Naphthylamine	250mg	NEAT	442271	
91-59-8	2-Naphthylamine	100mg	NEAT	442362	
132-66-1	N-1-Naphthylphthalamic acid	1000mg	NEAT	PS343	
15299-99-7	Napropamide PESTANAL	250mg	NEAT	45594-250MG	
132-66-1	Naptalam PESTANAL	250mg	NEAT	34361-250MG	
54-11-5	Nicotine	1000mg	NEAT	PS85	
	L(-)-Nicotine PESTANAL	1000mg	NEAT	36733-1G	
120738-89-8	Nitenp yram PESTANAL	100mg	NEAT	46077-100MG	
88-74-4	2-N itroaniline	1000mg	NEAT	442363	
		5000µg/mL	methanol	40324	
99-09-2	3-N itroaniline	1000mg	NEAT	442392	
100-01-6	4-Nitroaniline	1000mg	NEAT	442419	
		5000µg/mL	methanol	40342	
98-95-3	Nitrobenzene	1000mg	NEAT	48547	
		1000µg/mL	acetonitrile	47239	
		5000µg/mL	methanol	40054	
4165-60-0	Nitrobenzene-d5	1000mg	NEAT	442718	
		2000µg/mL	methylene chloride	48717-U	
1836-75-5	Nitrofen PESTANAL	250mg	NEAT	34381-250MG	
88-75-5	2-Nitrophenol	5000mg	NEAT	48548	
		500µg/mL	methanol	48694	
		5000µg/mL	methanol	40055	
100-02-7	4-Nitrophenol	5000mg	NEAT	48549	
		500µg/mL	methanol	48695	
		5000µg/mL	methanol	40056	
	4-Nitrophenol PESTANAL	1000mg	NEAT	35836-1G	
56-57-5	4-Nitroquinoline-N-oxide	1000mg	NEAT	442683	
924-16-3	N-Nitrosodi-n-butylamine	100mg	NEAT	442685	
		2000µg/mL	methylene chloride	48320-U	
55-18-5	N-Nitrosodiethylamine	1000mg	NEAT	442687	
		5000µg/mL	methanol	40334	
62-75-9	N-Nitrosodimethylamine	100mg	NEAT	48552	
		200µg/mL	methanol	48670	
		5000µg/mL	methanol	40059	
86-30-6	N-Nitrosodiphenylamine	1000mg	NEAT	48553	
		5000µg/mL	methanol	40060	

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Chemical
Standards

SUPELCO

Multipurpose Standards

Neat and Single Component Solutions

CAS NO.	COMPOUND	QTY./CONC.	SOLVENT	CAT. NO.	PRICE
621-64-7	N-Nitrosodi-n-propylamine	100mg	NEAT	48554	
		5000µg/mL	methanol	40061	
59-89-2	N-Nitrosomorpholine	5000µg/ mL	methanol	40485	
100-75-4	N-Nitrosopiperidine	5000µg/mL	methanol	40458	
10552-74-6	Nitrothal-iso-propyl PESTANAL	250mg	NEAT	45598-250MG	
88-72-2	2-Nitrotoluene	1000mg	NEAT	442365	
		1000µg/mL	acetonitrile	47240	
99-08-1	3-Nitrotoluene	1000mg	NEAT	442394	
99-99-0	4-Nitrotoluene	1000µg/mL	acetonitrile	47241	
		1000µg/ mL	acetonitrile	47242	
99-55-8	5-Nitro-o-toluidine	1000mg	NEAT	442423	
5103-73-1	cis-Nonachlor	25mg	NEAT	442527	
		100µg/mL	hexane	48138	
39765-80-5	trans-Nonachlor	25mg	NEAT	442811	
		100µg/mL	hexane	48137	
629-92-5	n-Nonadecane	1000mg	NEAT	442693	
111-84-2	n-Nonane	1000mg	NEAT	442694	
124-19-6	n-Non yl aldehyde	1000mg	NEAT	442719	
84852-15-3	4-Nonylphenol	100mg	NEAT	442873	
	Octachlor – see Chlordane				
2234-13-1	Octachloronaphthalene	20mg	NEAT	442725	
	Octalene – see Aldrin				
630-02-4	n-Octacosane	1000mg	NEAT	442696	
593-45-3	n-Octadecane	1000mg	NEAT	442697	
112-88-9	1-Octadecene	1000mg	NEAT	442272	
111-65-9	n-Octane	1000mg	NEAT	442698	
111-87-5	1-Octanol	1000mg	NEAT	442273	
111-66-0	1-Octene	1000mg	NEAT	442274	
1806-26-4	4-Octylphenol	500mg	NEAT	442850	
140-66-9	4-tert-Octylphenol	500mg	NEAT	442858	
1113-02-6	Omethoate PESTANAL	250mg	NEAT	45600-250MG-R	
2312-35-8	Omite	1000mg	NEAT	PS858	
34622-58-7	Orben carb PESTANAL	250mg	NEAT	34304-250MG	
	Ordram – see Molinate				
	Orthocide 406 – see Captan				
19044-88-3	Oryzalin PESTANAL	250mg	NEAT	45601-250MG	
	Oust – see Sulfometuron methyl				
74782-23-3	Oxabetrinil PESTANAL	250mg	NEAT	45602-250MG	
19666-30-9	Oxadiazon	100mg	NEAT	442729	
	Oxadiazon PESTANAL	250mg	NEAT	36534-250MG	
77732-09-3	Oxadi xyl, technical mixture PESTANAL	100mg	NEAT	34365-100MG	
23135-22-0	Oxamyl	100mg	NEAT	442730	
	Oxamyl PESTANAL	250mg	NEAT	45603-250MG	
	Oxidimethiin – see Dimethipin				
108-60-1	2,2'-Oxybis (1-chloropropane) – see Bis(2-chloroisopropyl) ether				
301-12-2	Oxydemeton-methyl	100mg	NEAT	PS641	
	Paracide – see 1,4-Dichlorobenzene				
311-45-5	Paraoxon	100mg	NEAT	PS610	
1910-42-5	Paraquat dichloride hydrate PESTANAL	250mg	NEAT	36541-250MG	
	Paraquat CL tetrahydrate	1000mg	NEAT	PS366	
56-38-2	Parathion	500mg	NEAT	49062	
	Parathion-ethyl PESTANAL	250mg	NEAT	45607-250MG	
	Parathion-methyl – see Methyl parathion				
	Patoran – see Metobromuron				
	PCA – see Pyrazon				
	PCP – see Pentachlorophenol				
	PCP methyl ester – see Pentachloroanisole				

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Chemical Standards

SUPELCO

Multipurpose Standards Neat and Single Component Solutions

CAS NO.	COMPOUND	QTY./CONC.	SOLVENT	CAT. NO.	PRICE
527-20-8	Pentachloroaniline	100mg	NEAT	MET150A	
1825-21-4	Pentachloroanisole	1000mg	NEAT	PS1109	
608-93-5	Pentachlorobenzene	200µg/mL	methyl ene chloride	48386	
	Pentachlorobenzene PESTANAL	1000mg	NEAT	35886-1G	
76-01-7	Pentachloroethane	1000mg	NEAT	442740	
		5000µg/mL	methanol	40300-U	
82-68-8	Pentachloronitrobenzene	1000mg	NEAT	442741	
		200µg/mL	methylene chloride	48310-U	
		5000µg/mL	methanol	40156	
87-86-5	Pentachlorophenol	5000mg	NEAT	48555-U	
		250µg/mL	methylene chloride	48726-U	
		500µg/mL	methanol	48692	
		5000µg/mL	methanol	40062	
133-49-3	Pentachlorothiophenol	100mg	NEAT	MET690B	
6596-40-3	Pentacontane	250mg	NEAT	442743	
629-99-2	n-Pentacosane	250mg	NEAT	442699	
629-62-9	n-Pentadecane	1000mg	NEAT	442700	
363-72-4	Pentafluorobenzene	1000mg	NEAT	442744	
		2000µg/mL	methanol	48945	
771-61-9	Pentafluorophenol	1000mg	NEAT	442745	
		2000µg/mL	methylene chloride	48718	
109-66-0	Pentane	1000mg	NEAT	442746	
646-04-8	trans-2-Pentene	1000mg	NEAT	442815	
	Perchlorobenzene – see Hexachlorobenzene				
127-18-4	Perchloroethylene – see Tetrachloroethene				
311-89-7	Perfluorotributylamine (PFTBA)	1000mg	NEAT	442747-U	
52645-53-1	Permethrin (isomers)	100mg	NEAT	442748	
		1000µg/mL	methanol	47956	
	Permethrin, mix of cis and trans isomers PESTANAL	250mg	NEAT	45614-250MG	
61949-76-6	cis-Permethrin	50mg	NEAT	PS7581	
61949-77-7	trans-Permethrin PESTANAL	50mg	NEAT	46056-50MG-R	
	Peropal – see Azocyclotin				
	Persuit – see Imazethapyr				
198-55-0	Perylene	50mg	NEAT	442749	
		2000µg/mL	methylene chloride	48079	
1520-96-3	Perylene-d12	25mg	NEAT	442750	
		2000µg/mL	methylene chloride	48081	
85-01-8	Phenanthrene	5000mg	NEAT	48569	
		200µg/mL	methylene chloride	48661	
		5000µg/mL	methanol	40079	
1517-22-2	Phenanthrene-d10	100mg	NEAT	442753	
		2000µg/mL	methanol	48094	
		2000µg/mL	methylene chloride	48710-U	
108-95-2	Phenol	1000mg	NEAT	48556	
		500µg/mL	methanol	48688	
		5000µg/mL	methanol	40063	
	bis-Phenol A-d16	50mg	NEAT	442876	
4165-62-2	Phenol-d5 (analytical equivalent to Phenol-d6)	2000µg/mL	methylene chloride	48716-U	
22224-92-6	Phenamiphos	1000mg	NEAT	PS612	
13684-63-4	Phenmedipham PESTANAL	250mg	NEAT	45616-250MG	
26002-80-2	Phenothrin, mix of isomers PESTANAL	250mg	NEAT	45617-250MG	
	δ-(cis-trans)-Phenothrin	1000mg	NEAT	PS1030	
3739-38-6	3-Phenoxybenzoic acid	1000mg	NEAT	MET758C	
2597-03-7	Phenthoate	100mg	NEAT	PS2025	
	n-Phenylaniline – see Diphenylamine				
	Phenylbenzene – see Biphenyl				
	Phenyl chloromercury – see Phenyl mercuric chloride				
106-50-3	1,4-Phenylenediamine (4-Aminoaniline)	2000µg/mL	methylene chloride	48298	
101-84-8	Phenyl ether – see Diphenyl ether				
100-42-5	Phenylethylene – see Styrene				

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Chemical
Standards

SUPELCO

Multipurpose Standards

Neat and Single Component Solutions

CAS NO.	COMPOUND	QTY./CONC.	SOLVENT	CAT. NO.	PRICE
1077-16-3	1-Phenylhexane – see n-Hexylbenzene				
	Phenyl hydroxy mercury – see Phenyl mercuric hydroxide				
100-56-1	Phenyl mercuric chloride	1000mg	NEAT	PS214	
100-57-2	Phenyl mercuric hydroxide	1000mg	NEAT	PS215	
8003-05-2	Phenyl mercury nitrate	100mg	NEAT	PS202	
90-43-7	o-Phenylphenol	1000mg	NEAT	PS420	
92-69-3	4-Phenyl phenol	1000mg	NEAT	506842	
103-85-5	N-Phenylthiourea PESTANAL	250mg	NEAT	34305-250MG-R	
298-02-2	Phorate	250mg	NEAT	36680-250MG	
2588-03-6	Phorat-sulfoxide PESTANAL	100mg	NEAT	45762-100MG-R	
2310-17-0	Phosalone PESTANAL	250mg	NEAT	45620-250MG-R	
7786-34-7	Phosdrin	1000mg	NEAT	PS87	
947-02-4	Phosfolan	1000mg	NEAT	PS842	
	Phosmet – see Imidan				
732-11-6	Phosmet PESTANAL	250mg	NEAT	45621-250MG	
13171-21-6	Phosphamidon, mix of E + Z isomers PESTANAL	250mg	NEAT	45622-250MG	
	Phospholan – see Phosfolan				
88-99-3	Phthalic acid	1000mg	NEAT	442758	
	Phthalthrin – see Tetramethrin				
1918-02-1	Picloram PESTANAL	250mg	NEAT	36774-250MG-R	
	Picloram methyl ester	100mg	NEAT	PS1108	
83-26-1	Pindone PESTANAL	250mg	NEAT	45625-250MG	
51-03-6	Piperonyl butoxide PESTANAL	250mg	NEAT	45626-250MG	
23103-98-2	Pirimicarb PESTANAL	250mg	NEAT	45627-250MG	
29232-93-7	Pirimiphos-methyl	1000mg	NEAT	PS644	
	Pirimor – see Pirimicarb				
83-26-1	2-Pivaloyl-1,3-indandione	1000mg	NEAT	PS905	
	Plifenat PESTANAL	250mg	NEAT	36569-250MG	
	Poast – see Sethoxydim				
	Polychloropinene – see Strobane				
9006-42-2	Polyram	1000mg	NEAT	PS225	
	Polywax 500	5000mg	NEAT	48475	
	Polywax 655	5000mg	NEAT	48477	
	Potassium dimethyl dithiocarbamate – see Busan 85				
	Pounce – see Permethrin isomers				
	Pramitol – see Prometon				
	Prebane – see Terbutryn				
	Prentox – see Piperonyl butoxide				
51218-49-6	Pretilachlor PESTANAL	250mg	NEAT	36777-250MG-R	
	Primicid – see Pirimiphos-ethyl				
	Princep – see Simazine				
67747-09-5	Prochloraz PESTANAL	250mg	NEAT	45631-250MG	
32809-18-0	Procymidone PESTANAL	250mg	NEAT	36640-250MG-R	
41198-08-7	Profenofos PESTANAL	250mg	NEAT	45632-250MG	
26399-36-0	Profluralin PESTANAL	250mg	NEAT	45633-250MG	
2631-37-0	Promecarb PESTANAL	250mg	NEAT	45634-250MG	
1610-18-0	Prometon	100mg	NEAT	49086	
	Prometon PESTANAL	250mg	NEAT	45635-250MG	
7287-19-6	Prometryn	100mg	NEAT	49087	
	Prometryn PESTANAL	250mg	NEAT	45636-250MG	
23950-58-5	Pronamide (Kerb)	100mg	NEAT	442764	
1918-16-7	Propachlor PESTANAL	250mg	NEAT	45637-250MG	
57-55-6	1,2-Propanediol	1000mg	NEAT	442233	
709-98-8	Propanil PESTANAL	250mg	NEAT	45639-250MG	
71-23-8	1-Propanol	1000mg	NEAT	442277	
67-63-0	2-Propanol	1000mg	NEAT	442369	
111479-05-1	Propaquizafop PESTANAL	250mg	NEAT	46007-250MG-R	

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Chemical Standards

SUPELCO

Multipurpose Standards

Neat and Single Component Solutions

CAS NO.	COMPOUND	QTY./CONC.	SOLVENT	CAT. NO.	PRICE
139-40-2	Propazine	100mg	NEAT	49088	
	Propetamphos – see Saprotrin				
31218-83-4	Propetamphos PESTANAL	100mg	NEAT	34371-100MG	
122-42-9	Propham PESTANAL	250mg	NEAT	45641-250MG	
13194-48-4	Prophos	1000mg	NEAT	PS672	
	Propiconazole – see Tilt				
60207-90-1	Propiconazole, mix of stereoisomers PESTANAL	250mg	NEAT	45642-250MG	
725-00-8	Propionaldehyde-2,4-DNPH	100mg	NEAT	442768	
		1000µg/mL	acetonitrile	47181	
79-09-4	Propionic acid	1000mg	NEAT	442769	
	Propoxur – see Baygon				
114-26-1	Propoxur PESTANAL	250mg	NEAT	45644-250MG	
103-65-1	n-Propylbenzene	1000mg	NEAT	47323	
		5000µg/mL	methanol	41112	
75-56-9	Propylene oxide	500mg	NEAT	442770	
927-67-3	Propylthiourea PESTANAL	250mg	NEAT	45715-250MG	
23950-58-5	Propyzamide PESTANAL	250mg	NEAT	45645-250MG	
52888-80-9	Prosulfocarb PESTANAL	250mg	NEAT	36520-250MG-R	
34643-46-4	Prothiophos PESTANAL	250mg	NEAT	45311-250MG	
	Prothiophos – see Tokuthion				
123312-89-0	Pymetrozin PESTANAL	250mg	NEAT	46119-250MG-R	
	Pynamin – see Allethrin				
77458-01-6	Pyraclifos	500mg	NEAT	PS2046	
518-20-7	Pyranocoumarin PESTANAL	250mg	NEAT	45647-250MG	
1698-60-8	Pyrazon	1000mg	NEAT	PS430	
129-00-0	Pyrene	5000mg	NEAT	48570	
		200µg/mL	methylene chloride	48649	
		1000µg/mL	methanol	40082	
	Pyrene-d10	25mg	NEAT	442846	
8003-34-7	Pyrethrins, technical mixture PESTANAL	250mg	NEAT	45649-250MG	
96489-71-3	Pyridaben PESTANAL	250mg	NEAT	46047-250MG-R	
55512-33-9	Pyridate PESTANAL	250mg	NEAT	45312-250MG	
110-86-1	Pyridine	2000µg/ mL	methanol	48305-U	
7291-22-7	Pyridine-d5	2000µg/mL	methylene chloride	48714-U	
53112-28-0	Pyrimethanil PESTANAL	250mg	NEAT	46039-250MG-R	
	Pyron – see Pyridate				
13593-03-8	Quinal phos PESTANAL	250mg	NEAT	45651-250MG	
84087-01-4	Quinclorac PESTANAL	250mg	NEAT	36521-250MG	
90717-03-6	Qui nmerac PESTANAL	250mg	NEAT	36522-250MG	
82-68-8	Quintozone PESTANAL	250mg	NEAT	45653-250MG	
76578-12-6	Quizalofop	50mg	NEAT	MET1080A	
	Ramrod – see Propachlor				
121-82-4	RDX	1000µg/mL	acetonitrile	47237	
	Reglone – see Diquat dibromide monohydrate				
	Remedy – see Triclopyr				
10453-86-8	Resmethrin, mix of cis and trans isomers PESTANAL	250mg	NEAT	45655-250MG	
	Ridomil – see Metalaxyl				
122931-48-0	Rimsulfuron PESTANAL	100mg	NEAT	46097-100MG-R	
	Ronilan – see Vinclozolin				
299-84-3	Ronnel	100mg	NEAT	442776	
	Ronstar – see Oxadiazon				
83-79-4	Rotenone PESTANAL	250mg	NEAT	45656-250MG	
	Roundup – see Glyphosate				
	Rovral – see Iprodione				
31218-83-4	Saprotrin	100mg	NEAT	PS1076	
51630-58-1	Sanmarton	1000mg	NEAT	PS1032	
	Sanvex – see Cartap				

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Chemical
Standards

Multipurpose Standards

Neat and Single Component Solutions

CAS NO.	COMPOUND	QTY./CONC.	SOLVENT	CAT. NO.	PRICE
	Scepter – see Imazaquin				
26259-45-0	Secbumeton PESTANAL	250mg	NEAT	45658-250MG	
	Semevin – see Thiodicarb				
	Sencor – see Metribuzin				
74051-80-2	Sethoxydim PESTANAL	250mg	NEAT	36795-250MG	
1982-49-6	Siduron, mix of cis and trans isomers PESTANAL	250mg	NEAT	34373-250MG	
93-72-1	Silvex (2,4,5-TP)	1000mg	NEAT	49117	
		100µg/mL	methanol	47897	
		5000µg/mL	methanol	40552	
4841-20-7	Silvex methyl ester	1000mg	NEAT	49023	
		200µg/mL	hexane	47987-U	
122-34-9	Simazine PESTANAL	250mg	NEAT	45659-250MG-R	
	Sinbar – see Terbacil				
62-74-8	Sodium fluoroacetate	1000mg	NEAT	PS105	
	Spectracide – see Diazinon				
	Spergon – see Chloranil				
	Spike – see Tebuthiuron				
111-01-3	Squalane	1000mg	NEAT	442784	
111-02-4	Squalene	1000mg	NEAT	442785	
8001-50-1	Strobane	100mg	NEAT	PS2023	
100-42-5	Styrene (Phenylethylene)	200µg/mL	methanol	48347	
		5000µg/mL	methanol	40257-U	
	Subdue – see Metalaxyl				
	Suffix – see Benzoylprop ethyl				
3567-25-7	Sulcofuron-sodium monohydrate PESTANAL	250mg	NEAT	46076-250MG	
	Sulfaline – see Sulfaquinoxaline				
59-40-5	Sulfaquinoxaline	10mg	NEAT	PS2056	
	Sulfaquinoxaline PESTANAL	250mg	NEAT	45662-250MG	
74222-97-2	Sulfometuron methyl	100mg	NEAT	PS1074	
3689-24-5	Sulfotep PESTANAL	250mg	NEAT	45664-250MG	
7704-34-9	Sulfur PESTANAL	250mg	NEAT	36576-250MG	
35400-43-2	Sulprofos	1000mg	NEAT	PS1018	
	Sulprophos PESTANAL	250mg	NEAT	45665-250MG	
	Sumithion – see Fenitrothion				
	Sumithrin – see δ-(cis-trans)-Phenothrin				
	Sumitox – see Malathion				
	Supracide – see Methidathion				
	Surflan – see Oryzalin				
88671-89-0	Systhane	100mg	NEAT	PS2006	
	Systox – see Demeton O&S				
93-76-5	2,4,5-T PESTANAL	250mg	NEAT	45667-250MG	
	2,4,5-T-amine	1000mg	NEAT	PS296	
2545-59-7	2,4,5-T butoxyethyl ester	1000mg	NEAT	PS309	
1928-37-6	2,4,5-T methyl ester	200µg/mL	hexane	47988	
	TBTO – see Bis[tri-n-butyltin]oxide				
56-35-9	TBTO PESTANAL	250mg	NEAT	45669-250MG	
	TCA – see Trichloroacetic acid				
	o,p'-TDE – see 2,4'-DDD				
	p,p'-TDE – see 4,4'-DDD				
	Tebuconazole – see Folicur				
107534-96-3	Tebuconazole PESTANAL	250mg	NEAT	36565-250MG-R	
35265-85-0	Tebutam PESTANAL	250mg	NEAT	36566-250MG	
34014-18-1	Tebuthiuron PESTANAL	250mg	NEAT	45671-250MG	
	Technical HCH – see BHC				
	Tedion – see Tetradifon				
79538-32-2	Tefluthrin, mix of isomers PESTANAL	100mg	NEAT	35548-100MG	
	Telvar – see Monuron				
	Temephos – see Abate				

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Chemical Standards

SUPELCO

Multipurpose Standards

Neat and Single Component Solutions

CAS NO.	COMPOUND	QTY./CONC.	SOLVENT	CAT. NO.	PRICE
3383-96-8	Temephos PESTANAL	250mg	NEAT	45673-250MG-R	
107-49-3	TEPP PBTANAL	100mg	NEAT	36567-100MG-R	
5902-51-2	Terbacil PESTANAL	250mg	NEAT	45675-250MG	
	Terbucarb – see Terbutol				
13071-79-9	Terbufos PESTANAL	250mg	NEAT	45313-250MG	
56070-16-7	Terbufos-sulfone PESTANAL	100mg	NEAT	46043-100MG-R	
10548-10-4	Terbufos-sulfoxide PESTANAL	100mg	NEAT	46044-100MG-R	
5915-41-3	Terbuthylazine PESTANAL	250mg	NEAT	45678-250MG-R	
30125-63-4	Terbuthylazine-desethyl PESTANAL	250mg	NEAT	36769-250MG-R	
1918-11-2	Terbutol	1000mg	NEAT	PS550	
886-50-0	Terbutryn PESTANAL	250mg	NEAT	45677-250MG	
84-15-1	o-Terphenyl (1,2-Diphenylbenzene)	500mg	NEAT	442721	
		2000µg/mL	acetone	48169	
		10,000µg/mL	methylene chloride	47580-U	
92-94-4	p-Terphenyl	500mg	NEAT	442733	
1718-51-0	p-Terphenyl-d14	100mg	NEAT	442734	
		2000µg/mL	methylene chloride	48418	
634-83-3	2,3,4,5-Tetrachloroaniline PESTANAL	1000mg	NEAT	36739-1G	
634-66-2	1,2,3,4-Tetrachlorobenzene	500mg	NEAT	442215	
		2000µg/mL	methanol	48158	
634-90-2	1,2,3,5-Tetrachlorobenzene	2000µg/mL	methanol	48156	
	1,2,3,5-Tetrachlorobenzene PESTANAL	250mg	NEAT	36928-250MG	
95-94-3	1,2,4,5-Tetrachlorobenzene	1000mg	NEAT	442219	
		1000µg/mL	acetonitrile	40177	
	1,2,4,5-Tetrachlorobenzene PESTANAL	250mg	NEAT	34379-250MG	
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin (2,3,7,8-TCDD)	10µg/mL	toluene	48599	
630-20-6	1,1,1,2-Tetrachloroethane	1000mg	NEAT	47753-U	
		200µg/mL	methanol	48345	
		5000µg/mL	methanol	40335	
79-34-5	1,1,2,2-Tetrachloroethane	1000mg	NEAT	48514	
		200µg/mL	methanol	48619	
		5000µg/mL	methanol	40014	
127-18-4	Tetrachloroethene (Perchloroethylene)	5000mg	NEAT	48571	
		200µg/mL	methanol	48609	
		5000µg/mL	methanol	40083	
87-87-6	Tetrachlorohydroquinone	1000mg	NEAT	MET690A	
117-18-0	1,2,4,5-Tetrachloro-3-nitrobenzene	1000mg	NEAT	PS151	
4901-51-3	2,3,4,5-Tetrachlorophenol	100mg	NEAT	442281	
		2000µg/mL	methanol	48153	
58-90-2	2,3,4,6-Tetrachlorophenol	5000µg/mL	methanol	48264	
	2,3,4,6-Tetrachlorophenol PESTANAL	100mg	NEAT	36539-100MG	
935-95-5	2,3,5,6-Tetrachlorophenol	50mg	NEAT	442284	
		2000µg/mL	methanol	48152	
877-09-8	2,4,5,6-Tetrachloro-m-xylene	1000mg	NEAT	442298	
		200µg/mL	methanol	48317	
961-11-5	Tetrachlorvinphos PESTANAL	250mg	NEAT	45679-250MG	
4181-95-7	n-Tetracontane	500mg	NEAT	442706	
646-31-1	n-Tetracosane	1000mg	NEAT	442707	
629-59-4	n-Tetradecane	1000mg	NEAT	442708	
1120-36-1	1-Tetradecene	1000mg	NEAT	442278	
116-29-0	Tetradifon PESTANAL	250mg	NEAT	45680-250MG	
107-49-3	Tetraethylpyrophosphate	1000mg	NEAT	PS601	
27813-21-4	cis-1,2,3,6-Tetrahydrophthalimide	5000mg	NEAT	MET260A	
110-01-0	Tetrahydrothiophene	1000mg	NEAT	442799	
7696-12-0	Tetramethrin PESTANAL	250mg	NEAT	45681-250MG-R	
2227-13-6	Tetrasul PESTANAL	250mg	NEAT	36568-250MG	
7098-22-8	n-Tetratetracontane	500mg	NEAT	442709	
14167-59-0	n-Tetratriacontane	1000mg	NEAT	442710	
479-45-8	Tetryl	1000µg/mL	acetonitrile	47238	

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Multipurpose Standards Neat and Single Component Solutions

CAS NO.	COMPOUND	QTY./CONC.	SOLVENT	CAT. NO.	PRICE
148-79-8	Thiabendazole PESTANAL	250mg	NEAT	45684-250MG	
	Thifensulfuron-methyl – see Harmony				
	Thimet – see Phorate				
	Thiobel – see Cartap				
	Thiobencarb – see Benthocarb				
28249-77-6	Thiobencarb PESTANAL	250mg	NEAT	45687-250MG	
59669-26-0	Thiodicarb PESTANAL	250mg	NEAT	34375-250MG	
297-97-2	Thionazin	2000µg/ mL	methylene chloride	48285-U	
	Thiophan – see Thiophanate methyl				
23564-06-9	Thiophanate	1000mg	NEAT	PS223	
23564-05-8	Thiophanate-methyl PESTANAL	250mg	NEAT	45688-250MG	
110-02-1	Thiophene	1000mg	NEAT	442802	
137-26-8	Thiram (Tetramethylthiuram disulfide)	1000mg	NEAT	PS24	
	Thiram PESTANAL	250mg	NEAT	45689-250MG	
60207-90-1	Tilt	100mg	NEAT	PS1075	
34643-46-4	Tokuthion	50mg	NEAT	442804	
	Tolban – see Profluralin				
57018-04-9	Tolclofos-methyl PESTANAL	250mg	NEAT	36641-250MG-R	
1773-44-0	o-Tolualdehyde-2,4-DNPH	100mg	NEAT	442722	
		100µg/mL	acetonitrile	47182	
2880-05-9	m-Tolualdehyde-2,4-DNPH	100µg/mL	acetonitrile	47183	
2571-00-8	p-Tolualdehyde-2,4-DNPH	100mg	NEAT	442735	
		100µg/mL	acetonitrile	47184-U	
108-88-3	Toluene	5000mg	NEAT	48572	
		200µg/mL	methanol	48620	
		5000µg/mL	methanol	40084	
2037-26-5	Toluene-d8	1000mg	NEAT	442809	
		2000µg/mL	methanol	48593	
584-84-9	Toluene-2,4-diisocyanate	1000mg	NEAT	442807	
95-53-4	o-Toluidine (2-Methylaniline)	100mg	NEAT	442723	
		2000µg/mL	methanol	48035	
731-27-1	Tolyfluanid PESTANAL	250mg	NEAT	45690-250MG-R	
	Topsin m – see Thiophanate-methyl				
	Tordon – see Picloram				
8001-35-2	Toxaphene (Camphechlor), technical mixture	200µg/mL	isooctane (10mL)	49135-U	
		500µg/mL	methanol	48243	
		1000µg/mL	isooctane	48103	
		2000µg/mL	methanol	48700-U	
		5000µg/mL	methanol	40111	
	Toxaphene PESTANAL	250mg	NEAT	45364-250MG-R	
93-72-1	2,4,5-TP – see Silvex				
	2,4,5-TP (Fenoprop) PESTANAL	250mg	NEAT	45691-250MG	
4841-20-7	2,4,5-TP methyl ester – see Silvex methyl ester				
87820-88-0	Tralkoxidym PESTANAL	250mg	NEAT	36536-250MG	
	Treflan – see Trifluralin				
638-68-6	n-Triacontane	500mg	NEAT	442711	
43121-43-3	Triadimefon PESTANAL	250mg	NEAT	45693-250MG	
	Triadimenol – see Baytan				
55219-65-3	Triadimenol, isomer A PESTANAL	250mg	NEAT	45694-250MG	
2303-17-5	Tri-allate	1000mg	NEAT	PS506	
	Triallate PESTANAL	250mg	NEAT	45695-250MG	
82097-50-5	Triasulfuron PESTANAL	250mg	NEAT	36537-250MG	
288-88-0	1,2,4-Triazole	1000mg	NEAT	MET1075A	
24017-47-8	Triazophos, technical mixture, approx 70% in xylene PESTANAL	250mg	NEAT	45696-250MG	
75-96-7	Tribromoacetic acid	100mg	NEAT	442819	
		1000µg/mL	methyl t-butyl ether	47729-U	

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Chemical
Standards

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Multipurpose Standards

Neat and Single Component Solutions

CAS NO.	COMPOUND	QTY./CONC.	SOLVENT	CAT. NO.	PRICE
118-79-6	2,4,6-Tribromophenol	1000mg	NEAT	442304	
		2000µg/mL	methylene chloride	48801	
78-48-8	1,2,4-Tributylphosphorotrithioate	1000mg	NEAT	PS562	
1461-22-9	Tributyltin chloride	500mg	NEAT	442869	
52-68-6	Trichlorfon PESTANAL	250mg	NEAT	45698-250MG-R	
76-03-9	Trichloroacetic acid	100mg	NEAT	442820	
		1000µg/mL	methyl t-butyl ether	47658-U	
	Trichloroacetic acid PESTANAL	250mg	NEAT	36789-250MG-R	
545-06-2	Trichloroacetonitrile	1000mg	NEAT	442821	
87-40-1	2,4,6-Trichloroanisole	100µg/mL	methanol	47526-U	
	1,2,3-Trichlorobenzene PESTANAL	1000mg	NEAT	36742-1G	
		5000µg/mL	methanol	40175	
120-82-1	1,2,4-Trichlorobenzene	5000mg	NEAT	48507	
		200µg/mL	methanol	48655	
		5000µg/mL	methanol	40007	
	1,2,4-Trichlorobenzene PESTANAL	1000mg	NEAT	36627-1G	
108-70-3	1,3,5-Trichlorobenzene	1000mg	NEAT	442235	
	1,3,5-Trichlorobenzene PESTANAL	250mg	NEAT	36555-250MG	
71-55-6	1,1,1-Trichloroethane (Methyl chloroform)	1000mg	NEAT	48510-U	
		200µg/mL	methanol	48614	
		5000µg/mL	methanol	40010-U	
79-00-5	1,1,2-Trichloroethane	5000mg	NEAT	48513	
		200µg/mL	methanol	48607	
		5000µg/mL	methanol	40013	
79-01-6	Trichloroethene (Trichloroethylene)	5000mg	NEAT	48573	
		200µg/mL	methanol	48606	
		5000µg/mL	methanol	40085	
75-69-4	Trichlorofluoromethane	5000mg	NEAT	48541	
		200µg/mL	methanol	48611	
		5000µg/mL	methanol	40047	
	Trichlorofon – see Dylox				
67-66-3	Trichloromethane – see Chloroform				
327-98-0	Trichloronate	50mg	NEAT	PS2007	
15950-66-0	2,3,4-Trichlorophenol	50mg	NEAT	442283-U	
		2000µg/mL	methanol	48154	
933-75-5	2,3,6-Trichlorophenol	100mg	NEAT	442287	
	2,3,6-Trichlorophenol PESTANAL	250mg	NEAT	36745-250MG	
95-95-4	2,4,5-Trichlorophenol	5000µg/mL	methanol	40179	
	2,4,5-Trichlorophenol PESTANAL	250mg	NEAT	36513-250MG	
88-06-2	2,4,6-Trichlorophenol	5000mg	NEAT	48518	
		500µg/mL	methanol	48691	
		5000µg/mL	methanol	40019	
	2,4,6-Trichlorophenol PESTANAL	250mg	NEAT	36543-250MG	
609-19-8	3,4,5-Trichlorophenol	25mg	NEAT	442373	
	(2,4,5-Trichlorophenoxy)acetic acid methyl ester - see 2,4,5-T methyl ester				
96-18-4	1,2,3-Trichloropropane	1000mg	NEAT	47794	
		200µg/mL	methanol	48355	
		5000µg/mL	methanol	40368	
	3,5,6-Trichloro-2-pyridinol	50mg	NEAT	MET674A	
98-08-8	α,α,α-Trichlorotoluene	1000mg	NEAT	442428	
6639-30-1	2,4,5-Trichlorotoluene	250mg	NEAT	442302	
		2000µg/mL	methanol	48150	
55335-06-3	Triclopyr PESTANAL	250mg	NEAT	36796-250MG-R	
638-67-5	n-Tricosane	1000mg	NEAT	442712-U	
13121-70-5	Tricyclohexyltin hydroxide	1000mg	NEAT	PS107	
629-50-5	n-Tridecane	1000mg	NEAT	442713	
24602-86-6	Tridemorph PESTANAL	250mg	NEAT	45699-250MG	
1912-26-1	Trietazine PESTANAL	100mg	NEAT	46086-100MG-R	
98-08-8	α,α,α-Trifluorotoluene (Benzotrifluoride)	1000mg	NEAT	442429	
		2000µg/mL	methanol	48389	
		10,000µg/mL	methanol	47582-U	
1582-09-8	Trifluralin PESTANAL	250mg	NEAT	45700-250MG-R	

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Chemical
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Multipurpose Standards

Neat and Single Component Solutions

CAS NO.	COMPOUND	QTY./CONC.	SOLVENT	CAT. NO.	PRICE
7756-94-7	Triisobutylene (mixed isomers)	1000mg	NEAT	442826	
95-63-6	1,2,4-Trimethylbenzene	1000mg	NEAT	47324	
		5000µg/mL	methanol	41107	
108-67-8	1,3,5-Trimethylbenzene	1000mg	NEAT	442236	
		5000µg/mL	methanol	41103	
560-21-4	2,3,3-Trimethylpentane	500mg	NEAT	502081	
2416-94-6	2,3,6-Trimethylphenol	1000mg	NEAT	442288	
527-60-6	2,4,6-Trimethylphenol	1000mg	NEAT	442306	
1066-45-1	Trimethyltin chloride PESTANAL	250mg	NEAT	34377-250MG	
95266-40-3	Trinexapac-ethyl PESTANAL	250mg	NEAT	46052-250MG-R	
99-35-4	1,3,5-Trinitrobenzene	500mg	NEAT	442237	
		1000µg/mL	acetonitrile	47243	
		2000µg/mL	methylene chloride	48283	
118-96-7	2,4,6-Trinitrotoluene	1000µg/mL	acetonitrile	47244	
612-71-5	1,3,5-Triphenylbenzene	1000mg	NEAT	442238	
217-59-4	Triphenylene	100mg	NEAT	442830	
115-86-6	Triphenyl phosphate	1000mg	NEAT	442829	
		500µg/mL	methyl t-butyl ether	48064	
639-58-7	Triphenyltin chloride	500mg	NEAT	442870	
126-72-7	Tris(2,3-dibromopropyl) phosphate	1000mg	NEAT	442833	
	Tupersan – see Siduron				
1120-21-4	n-Undecane	1000mg	NEAT	442714	
2057-84-3	Valeraldehyde-2,4-DNPH	100mg	NEAT	442834	
		100µg/mL	acetonitrile	47185-U	
	Vancide – see Maneb				
	Vendex – see Fenbutatin-oxide				
50471-44-8	Vinclozolin PESTANAL	250mg	NEAT	45705-250MG	
108-05-4	Vinyl acetate (Ethenyl acetate)	100mg	NEAT	4S8486	
		1000mg	NEAT	48486	
		5000µg/mL	acetonitrile	40327	
75-01-4	Vinyl chloride (Chloroethene)	200µg/mL	methanol	48625	
		2000µg/mL	methanol	500976	
	Voltage – see Pyraclofos				
	Vydate – see Oxamyl				
	Weedol – see Paraquat CL tetrahydrate				
108-38-3	m-Xylene (1,3-Dimethylbenzene)	5000mg	NEAT	48582	
		200µg/mL	methanol	48781	
		5000µg/mL	methanol	40202	
95-47-6	o-Xylene (1,2-Dimethylbenzene)	5000mg	NEAT	48581	
		200µg/mL	methanol	48780	
		5000µg/mL	methanol	40201	
106-42-3	p-Xylene (1,4-Dimethylbenzene)	5000mg	NEAT	48583	
		200µg/mL	methanol	48782	
		5000µg/mL	methanol	40203	
	Zerlate – see Ziram				
297-97-2	Zinophos	100mg	NEAT	PS668	
	Zinophos – see Thionazin				
137-30-4	Ziram PESTANAL	250mg	NEAT	45708-250MG	
	Zolone – see Phosalone				

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Chemical
Standards

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Environmental Standards

Drinking Water Methods

These analytical reference standards are specifically designed for monitoring organic chemicals on the National Primary Drinking Water List in raw source water, finished drinking water, and drinking water at all stages of treatment, per methods developed by the Environmental Monitoring Systems Laboratory in Cincinnati, Ohio (EMSL-CI), under authority of the Safe Drinking Water Act (SDWA)

Safe Drinking Water Act (SDWA) — 500 Series Methods

The National Primary Drinking Water Regulations (NPDWR) and National Secondary Drinking Water Regulations (NSDWR) establish maximum contaminant levels in drinking water for more than 50 organic compounds. US EPA 500 Series methods are analytical methods for identifying and quantifying volatile organic compounds (VOCs), pesticides, synthetic organic compounds (SOCs), and trihalomethane disinfection byproducts (THMs) in drinking water. Most of these methods call for gas chromatography with a selective detector or for gas chromatography-mass spectrometry; one method calls for high performance liquid chromatography.

RELATED INFORMATION

Drinking Water Methods
Methods for the Determination of
Organic Compounds in Drinking Water
NTIS order number PB 89-220-461/AS (July 1991)
Order all methods from:
NTIS
5285 Port Royal Road
Springfield, VA 22161
(phone 703-487-4650)

The US Environmental Protection Agency website is www.epa.gov

COMPOUND CLASSIFICATION

US EPA METHOD NUMBER

Carbamates	531.1
Chlorinated Disinfection Byproducts & Solvents	551, 551.1
Chlorinated Pesticides	508, 508.1, 508A
Ethylene Dibromide/Dibromochloropropane	504
General Purpose Organics	525, 525.1, 525.2
Haloacetic Acids and Dalapon	552, 552.1, 552.2
Nitrogen- & Phosphorus-Containing Pesticides	507
Organohalide Pesticides & PCBs	505
Phthalate and Adipate Esters	506
Polycyclic Aromatic Hydrocarbons	550, 550.1
2,3,7,8-Tetrachlorodibenzo-p-dioxin	513
Trihalomethanes	501.1, 501.2, 501.3
Volatile Aromatic & Unsaturated Organics	503.1
Volatile Halogenated Organics	502.1, 502.2
Volatile Organics	524.1, 524.2

MIXES AND SOLUTIONS	COMPOSITION	QTY.	CAT. NO.	PRICE
METHOD 501.1, 501.2, 501.3				
Calibration Standards				
Trihalomethanes				
Calibration Mix	4 analytes in methanol 100µg/mL each analyte 200µg/mL each analyte	1mL 1mL 1mL	47904 48746 4S8746	
	2000µg/mL each analyte Bromodichloromethane Chloroform Bromoform	1mL	48140-U	
Internal/Surrogate Standard (for Method 501.3)				
Fluorobenzene	2000µg/mL in methanol	1mL	48943	
Performance Standard (for Method 501.3)				
4-Bromofluorobenzene	2000µg/mL in methanol	1mL	48083	
METHOD 502.1, 502.2				
Calibration Standards				
502/524 Volatiles Organic				
Calibration Mix	54 analytes in methanol 200µg/mL each analyte 2000µg/mL each analyte	1mL 1mL	47933 502111	
Without gases.				
	Benzene	1,3-Dichlorobenzene	Naphthalene	
	Bromobenzene	1,4-Dichlorobenzene	n-Propylbenzene	
	Bromochloromethane	1,1-Dichloroethane	1,1,1,2-Tetrachloroethane	
	Bromodichloromethane	1,2-Dichloroethane	Styrene	
	Bromoform	1,1-Dichloroethane	1,1,2,2-Tetrachloroethane	
	n-Butylbenzene	cis-1,2-Dichloroethane	Tetrachloroethane	
	sec-Butylbenzene	trans-1,2-Dichloroethane	Toluene	
	tert-Butylbenzene	1,2-Dichloropropane	1,2,3-Trichlorobenzene	
	Carbon tetrachloride	1,3-Dichloropropane	1,2,4-Trichlorobenzene	
	Chlorobenzene	2,2-Dichloropropane	1,1,1-Trichloroethane	
	Chloroform	1,1-Dichloropropene	1,1,2-Trichloroethane	
	2-Chlorotoluene	cis-1,3-Dichloropropene	Trichloroethane	
	4-Chlorotoluene	trans-1,3-Dichloropropene	1,2,3-Trichloropropane	
	Dibromochloromethane	Ethylbenzene	1,2,4-Trimethylbenzene	
	1,2-Dibromo-3-chloropropane	Hexachlorobutadiene	1,3,5-Trimethylbenzene	
	1,2-Dibromoethane	Isopropylbenzene	m-Xylene	
	Dibromomethane	p-Isopropyltoluene	o-Xylene	
	1,2-Dichlorobenzene	Methylene chloride	p-Xylene	

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Methods 501-502

Chemical Standards

SUPELCO

Environmental Standards Drinking Water Methods

525

MIXES AND SOLUTIONS	COMPOSITION	QTY.	CAT. NO.	PRICE
VOC Mix 1 SS	12 analytes, 2000µg/mL each in methanol	1mL 1mL	48775 4S8775	
	sec-Butylbenzene tert-Butylbenzene Chlorobenzene 2-Chlorotoluene	4-Chlorotoluene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene	Isopropylbenzene n-Propylbenzene o-Xylene p-Xylene	
VOC Mix 2 SS	13 analytes, 2000µg/mL each in methanol	1mL 1mL	48777 4S8777	
	Benzene Bromobenzene n-Butylbenzene Ethylbenzene p-Isopropyltoluene	Naphthalene Styrene Toluene 1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene 1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene m-Xylene	
VOC Mix 3 SS	14 analytes, 2000µg/mL each in methanol	1mL 1mL	48779 4S8779	
	1,2-Dibromo-3-chloropropane 1,2-Dibromoethane 1,2-Dichloroethane 1,2-Dichloropropane 1,3-Dichloropropane	1,1-Dichloropropene cis-1,3-Dichloropropene trans-1,3-Dichloropropene Hexachlorobutadiene 1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane Trichloroethene 1,2,3-Trichloropropane	
VOC Mix 4 SS	9 analytes, 2000µg/mL each in methanol	1mL 1mL	48786 4S8786	
	Bromochloromethane Bromoform Carbon tetrachloride	Chloroform Dibromomethane 1,1-Dichloroethane	2,2-Dichloropropane Tetrachloroethene 1,1,1-Trichloroethane	
VOC Mix 5 SS	6 analytes, 2000µg/mL each in methanol	1mL 1mL	48797 4S8797	
	Bromodichloromethane Dibromochloromethane	1,1-Dichloroethene cis-1,2-Dichloroethene	trans-1,2-Dichloroethene Methylene chloride	
VOC Mix 6 SS	6 analytes, 2000µg/mL each in methanol	1mL 1mL	48799-U 4S8799	
	Bromomethane Chloroethane	Chloromethane Dichlorodifluoromethane	Trichlorofluoromethane Vinyl chloride	
VOC Calibration Standards Kit SS	1mL of each of the following products		48804 4S8804	
	VOC Mix 1 (48775) VOC Mix 2 (48777)	VOC Mix 3 (48779) VOC Mix 4 (48786)	VOC Mix 5 (48797) VOC Mix 6 (48799-U)	
VOC Mix 7* SS	12 analytes, 2000µg/mL each in methanol	1mL 1mL	48802-U 4S8802	
	Benzene Bromodichloromethane Bromoform Carbon tetrachloride	Chloroform Dibromochloromethane 1,4-Dichlorobenzene 1,2-Dichloroethane	1,1-Dichloroethene 1,1,1-Trichloroethane Trichloroethene Vinyl chloride	
VOC Mix 8*	11 analytes, 2000µg/mL each in methanol	1mL	48803	
	Chlorobenzene 1,2-Dichlorobenzene cis-1,2-Dichloroethylene trans-1,2-Dichloroethylene	1,2-Dichloropropane Ethylbenzene Styrene Tetrachloroethene	Toluene o-Xylene p-Xylene	
EPA Phase V Volatile Organic Compounds Mix 9*	3 analytes, 2000µg/mL each in methanol	1mL	47399	
	Dichloromethane	1,2,4-Trichlorobenzene	1,1,2-Trichloroethane	
Internal Standards				
1-Chloro-2-fluorobenzene	2000µg/mL in methanol	1mL	48369	
2-Bromo-1-chloropropane [▲]	20,000µg/mL in methanol	1mL	48713	
1,4-Dichlorobutane [▲]	2000µg/mL in methanol	1mL	48066	
EPA 502 Internal Standard Mix [▲] 2	2 analytes, 2000µg/mL each in methanol	1mL	48950-U	
	1-Chloro-2-bromopropane Fluorobenzene			

[▲] For Method 502.2.

* Designed for monitoring volatile compounds for which maximum contaminant levels have been established by the US EPA.

SS Separate Source standards. Prepared from independently sourced raw materials and quality controlled independently.

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Method 502

Chemical Standards

SUPELCO

Environmental Standards

Drinking Water Methods

MIXES AND SOLUTIONS	COMPOSITION	QTY.	CAT. NO.	PRICE
METHOD 503.1				
Calibration Standards				
VOC Mix 1	12 analytes, 2000µg/mL each in methanol sec-Butylbenzene tert-Butylbenzene Chlorobenzene 2-Chlorotoluene	4-Chlorotoluene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene	Isopropylbenzene n-Propylbenzene o-Xylene p-Xylene	1mL 48775
VOC Mix 2	13 analytes, 2000µg/mL each in methanol Benzene Bromobenzene n-Butylbenzene Ethylbenzene p-Isopropyltoluene	Naphthalene Styrene Toluene 1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene 1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene m-Xylene	1mL 48777
EPA Volatile Mix 503.1	3 analytes, 2000µg/mL each in methanol Hexachlorobutadiene	Tetrachloroethylene	Trichloroethylene	1mL 48237
Internal/Surrogate Standards				
α, α, α -Trifluorotoluene	2000µg/mL in methanol			1mL 48389
METHOD 504				
Calibration Standards				
EPA EDB/DBCP Mix	2 analytes, 2000µg/mL each in methanol 1,2-Dibromoethane	1,2-Dibromo-3-chloropropane		1mL 48225-U
METHOD 505				
Calibration Standards				
EPA 505/525 Pesticides Mix A	5 analytes, 500µg/mL each in acetone Alachlor Aldrin	γ-BHC (Lindane) Dieldrin	Simazine	1mL 47725-U
EPA 505/525 Update Pesticides Mix A	7 analytes, 500µg/mL each in acetone Alachlor Aldrin γ-BHC (Lindane)	Dieldrin cis-Nonachlor	trans-Nonachlor Simazine	1mL 47727-U
EPA 505/525 Pesticides Mix B	7 analytes, 500µg/mL each in acetone Atrazine Endrin Heptachlor	Heptachlor epoxide (isomer B) Hexachlorobenzene	Hexachlorocyclopentadiene Methoxychlor	1mL 47726-U
EPA 505/525 Update Pesticides Mix B	9 analytes, 500µg/mL each in acetone Atrazine α-Chlordane γ-Chlordane	Endrin Heptachlor Heptachlor epoxide (isomer B)	Hexachlorobenzene Hexachlorocyclopentadiene Methoxychlor	1mL 47728-U
Aroclor 1016	200µg/mL in methanol			1mL 48701
Aroclor 1221	200µg/mL in methanol			1mL 48705
Aroclor 1232	200µg/mL in methanol			1mL 48702
Aroclor 1242	200µg/mL in methanol			1mL 48706
Aroclor 1248	200µg/mL in methanol			1mL 48703
Aroclor 1254	200µg/mL in methanol			1mL 48707
Aroclor 1260	200µg/mL in methanol			1mL 48704
PCB Kit 3	7 individual solutions, 200µg/mL in methanol. Aroclor 1016 Aroclor 1221 Aroclor 1232	Aroclor 1242 Aroclor 1248	Aroclor 1254 Aroclor 1260	48825
Chlordane	5000µg/mL in methanol			1mL 40089
α-Chlordane	100µg/mL in hexane			1mL 48192
γ-Chlordane	100µg/mL in hexane			1mL 48193
Toxaphene	5000µg/mL in methanol			1mL 40111

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Methods 503-505

Chemical Standards

Environmental Standards Drinking Water Methods

527

MIXES AND SOLUTIONS	COMPOSITION	QTY.	CAT. NO.	PRICE
METHOD 506				
Calibration Standards				
EPA 506 Phthalate Esters Mix	16 analytes, 500µg/mL each in methanol Bis(2-ethylhexyl)adipate Butyl benzyl phthalate Dimethyl phthalate Bis(2-ethylhexyl)phthalate Diethyl phthalate Di-n-butyl phthalate	1mL	48223	
EPA Phthalate Esters Mix	6 analytes, 2000µg/mL each in methanol Bis(2-ethylhexyl)phthalate Diethyl phthalate Di-n-butyl phthalate Butyl benzyl phthalate Dimethyl phthalate Di-n-octyl phthalate	1mL	48805-U	
Di(2-ethylhexyl)phthalate	2000µg/mL in methanol	1mL	47994	
Di(2-ethylhexyl)adipate	2000µg/mL in methanol	1mL	47995-U	
METHOD 507				
Internal Standards				
Triphenyl phosphate	500µg/mL in methyl tert-butyl ether	1mL	48064	
Surrogate Standards				
1,3-Dimethyl-2-nitrobenzene (2-Nitro-m-xylene)	250µg/mL in methyl tert-butyl ether	1mL	48063	
METHOD 508, 508.1, 508A				
Calibration Standards				
Appendix IX Organochlorine Pesticides Mix	17 analytes, 2000µg/mL each in toluene:hexane (50:50) Aldrin 4,4'-DDE Endrin α-BHC 4,4'-DDT Endrin aldehyde β-BHC Dieldrin Heptachlor γ-BHC Endosulfan I Heptachlor epoxide δ-BHC Endosulfan II Methoxychlor 4,4'-DDD Endosulfan sulfate	1mL	46960-U	
EPA 508/508.1				
Chlorinated Pesticide Mix	12 analytes, 1000µg/mL each in methyl tert-butyl ether cis-Chlordane Chlorothalonil cis-Permethrin trans-Chlordane Dacthal (DCPP) trans-Permethrin Chlorobenzilate Etridiazole Propachlor Chloroneb Hexachlorobenzene Trifluralin	1mL	502197	
Aroclor 1016	200µg/mL in methanol	1mL	48701	
Aroclor 1221	200µg/mL in methanol	1mL	48705	
Aroclor 1232	200µg/mL in methanol	1mL	48702	
Aroclor 1242	200µg/mL in methanol	1mL	48706	
Aroclor 1248	200µg/mL in methanol	1mL	48703	
Aroclor 1254	200µg/mL in methanol	1mL	48707	
Aroclor 1260	200µg/mL in methanol	1mL	48704	
PCB Kit 3	7 individual solutions, 200µg/mL in methanol. Aroclor 1016 Aroclor 1242 Aroclor 1254 Aroclor 1221 Aroclor 1248 Aroclor 1260 Aroclor 1232		48825	
508.1 Chlorinated Pesticide Mix	6 analytes, 1000µg/mL each in acetone Alachlor Butachlor Metolachlor Atrazine Hexachlorocyclopentadiene Simazine	1mL	502154	
Biphenyl	Neat	1000mg	442487	
Biphenyl	2000µg/mL in methanol	1mL	48161	
Chlordane	5000µg/mL in methanol	1mL	40089	
α-Chlordane	100µg/mL in hexane	1mL	48192	
γ-Chlordane	100µg/mL in hexane	1mL	48193	
Cyanazine	2000µg/mL in methanol	1mL	48592	
Hexachlorocyclopentadiene	2000µg/mL in methanol	1mL	40051	
Toxaphene	5000µg/mL in methanol	1mL	40111	
EPA 508.1 Instrument				
Performance Check Solution	4 analytes at concentrations indicated in methyl tert-butyl ether δ-BHC, 40µg/mL Chlorpyrifos, 2µg/mL DCPA, 50µg/mL Chlorothalonil, 50µg/mL	1mL	507989	

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Methods 506-508

Chemical
Standards

SUPELCO

Environmental Standards Drinking Water Methods

MIXES AND SOLUTIONS	COMPOSITION	QTY.	CAT. NO.	PRICE
EPA 502/524 VOC Mix A Without gases.	54 analytes in methanol	1mL	47933	
	200µg/mL each analyte 2000µg/mL each analyte	1mL	502111	
	Benzene Bromobenzene Bromochloromethane Bromodichloromethane Bromoform n-Butylbenzene sec-Butylbenzene tert-Butylbenzene Carbon tetrachloride Chlorobenzene Chloroform 2-Chlorotoluene 4-Chlorotoluene Dibromochloromethane 1,2-Dibromo-3-chloropropane 1,2-Dibromoethane Dibromomethane 1,2-Dichlorobenzene	1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,1-Dichloroethane 1,2-Dichloroethane 1,1-Dichloroethene cis-1,2-Dichloroethene trans-1,2-Dichloroethene 1,2-Dichloropropane 1,3-Dichloropropane 2,2-Dichloropropane 1,1-Dichloropropene cis-1,3-Dichloropropene trans-1,3-Dichloropropene Ethylbenzene Hexachlorobutadiene Isopropylbenzene p-Isopropyltoluene Methylene chloride	Naphthalene n-Propylbenzene 1,1,1,2-Tetrachloroethane Styrene 1,1,2,2-Tetrachloroethane Tetrachloroethene Toluene 1,2,3-Trichlorobenzene 1,2,4-Trichlorobenzene 1,1,1-Trichloroethane 1,1,2-Trichloroethane Trichloroethene 1,2,3-Trichloropropane 1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene m-Xylene o-Xylene p-Xylene	
EPA 524 VOC Mix B	6 analytes, 200µg/mL each in methanol	1mL	47934	
	Bromomethane Chloroethane	Chloromethane Dichlorodifluoromethane	Trichlorofluoromethane Vinyl chloride	
EPA 524 VOC Kit	1mL of each of the following products EPA 524 Volatile Organic Compounds Mix A (47933) EPA 524 Volatile Organic Compounds Mix B (47934)	1mL	47936	
VOC Mix 1 SS	12 analytes, 2000µg/mL each in methanol	1mL 1mL	48775 4S8775	
	sec-Butylbenzene tert-Butylbenzene Chlorobenzene 2-Chlorotoluene	4-Chlorotoluene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene	Isopropylbenzene n-Propylbenzene o-Xylene p-Xylene	
VOC Mix 2 SS	13 analytes, 2000µg/mL each in methanol	1mL 1mL	48777 4S8777	
	Benzene Bromobenzene n-Butylbenzene Ethylbenzene p-Isopropyltoluene	Naphthalene Styrene Toluene 1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene 1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene m-Xylene	
VOC Mix 3 SS	14 analytes, 2000µg/mL each in methanol	1mL 1mL	48779 4S8779	
	1,2-Dibromo-3-chloropropane 1,2-Dibromoethane 1,2-Dichloroethane 1,2-Dichloropropane 1,3-Dichloropropane	1,1-Dichloropropene cis-1,3-Dichloropropene trans-1,3-Dichloropropene Hexachlorobutadiene 1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane Trichloroethene 1,2,3-Trichloropropane	
VOC Mix 4 SS	9 analytes, 2000µg/mL each in methanol	1mL 1mL	48786 4S8786	
	Bromochloromethane Bromoform Carbon tetrachloride	Chloroform Dibromomethane 1,1-Dichloroethane	2,2-Dichloropropane Tetrachloroethene 1,1,1-Trichloroethane	
VOC Mix 5 SS	6 analytes, 2000µg/mL each in methanol	1mL 1mL	48797 4S8797	
	Bromodichloromethane Dibromochloromethane	1,1-Dichloroethene cis-1,2-Dichloroethene	trans-1,2-Dichloroethene Methylene chloride	
VOC Mix 6 SS	6 analytes, 2000µg/mL each in methanol	1mL 1mL	48799-U 4S8799	
	Bromomethane Chloroethane	Chloromethane Dichlorodifluoromethane	Trichlorofluoromethane Vinyl chloride	
VOC Calibration Standards Kit SS	1mL of each of the following products		48804 4S8804	
	VOC Mix 1 (48775) VOC Mix 2 (48777)	VOC Mix 3 (48779) VOC Mix 4 (48786)	VOC Mix 5 (48797) VOC Mix 6 (48799)	

SS Separate Source standards. Prepared from independently sourced raw materials and quality controlled independently.

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Method 524

Chemical Standards

SUPELCO

Environmental Standards

Drinking Water Methods

MIXES AND SOLUTIONS	COMPOSITION	QTY.	CAT. NO.	PRICE	
QC Standards					
Discretionary Aromatic Volatiles Mix NC [▲] For drinking water methods 502.2, 503.1, 524.2.	12 analytes, 50µg/mL each in methanol n-B utylbenzene sec-Butylbenzene tert-Butylbenzene Hexachlorobutadiene	Isopropylbenzene p-Isopropyltoluene Naphthalene n-Propylbenzene	1,2,3-Trichlorobenzene 1,2,4-Trichlorobenzene 1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene	1mL	47273
Volatile Organic Contaminants Mix 1 NC [▲] For drinking water methods 502.1, 502.2, 503.1, 524.1, 524.2.	9 analytes, 50µg/mL each in methanol Bromobenzene 4-Chlorotoluene 1,2-Dibromo-3-chloropropane	1,2-Dibromoethane Dibromoethane 2,2-Dichloropropane	1,1-Dichloropropene Styrene p-Xylene	1mL	47274
Volatile Organic Contaminants Mix 2 NC [▲]	7 analytes, 50µg/mL each in methanol Bromochloromethane 2-Chlorotoluene cis-1,2-Dichloroethene	1,3-Dichloropropane 1,1,1,2-Tetrachloroethane	1,2,3-Trichloropropane o-Xylene	1mL	47275
Internal Standards					
Fluorobenzene For Method 524.1	2000µg/mL in methanol			1mL	48943
EPA 524 Internal Standard Mix For Method 524.2	2 analytes, 2000µg/mL each in methanol 1,2-Dichlorobenzene-d ₄	Fluorobenzene		1mL	48948
EPA 524.2 Fortification Solution 3 analytes, 2000µg/mL each in methanol 4-Bromofluorobenzene		1,2-Dichlorobenzene-d ₄	Fluorobenzene	1mL	47358-U
Surrogate Standards (For Method 524.1, 524.2)					
EPA 524 Surrogate Standard Mix 2 analytes, 2000µg/mL each in methanol 4-Bromofluorobenzene		1,2-Dichlorobenzene-d ₄		1mL	48466
4-Bromofluorobenzene	2000µg/mL in methanol			1mL	48083
1,2-Dichlorobenzene-d ₄	2000µg/mL in methanol			1mL	48952-U
Tuning Solutions See Methods 624 and 625.					
METHOD 525, 525.1, 525.2					
Calibration Standards					
EPA 525 Semivolatiles Calibration Mix Without pesticides.	25 analytes, 1000µg/mL each (except where noted) in acetone Acenaphthylene Anthracene Benzo(a)anthracene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Benzo(ghi)perylene Bis(2-ethylhexyl)adipate Bis(2-ethylhexyl)phthalate	Butyl benzyl phthalate Chrysene Dibenzo(a,h)anthracene Di-n-butylphthalate Diethyl phthalate Dimethyl phthalate 2,4-Dinitrotoluene 2,6-Dinitrotoluene	Fluorene Hexachlorobenzene Hexachlorocyclopentadiene Indeno(1,2,3-cd)pyrene Isophorone Pentachlorophenol (4000µg/mL) Phenanthrene Pyrene	1mL	506540
EPA 525/525.1 PCB Mix	8 analytes, 500µg/mL each in hexane 2-Chlorobiphenyl 2,3-Dichlorobiphenyl 2,4,5-Trichlorobiphenyl	2,2',4,4'-Tetrachlorobiphenyl 2,2',3',4,6-Pentachlorobiphenyl 2,2',4,4',5,6'-Hexachlorobiphenyl	2,2',3,3',4,4',6-Heptachlorobiphenyl 2,2',3,3',4,4',5,6'-Octachlorobiphenyl	1mL	48246
EPA 505/525 Pesticides Mix A	5 analytes, 500µg/mL each in acetone Alachlor Aldrin	γ-BHC (Lindane) Dieldrin	Simazine	1mL	47725-U
EPA 505/525 Update Pesticides Mix A	7 analytes, 500µg/mL each in acetone Alachlor Aldrin γ-BHC (Lindane)	Dieldrin cis-Nonachlor	trans-Nonachlor Simazine	1mL	47727-U
EPA 505/525 Pesticides Mix B	7 analytes, 500µg/mL each in acetone Atrazine Endrin Heptachlor	Heptachlor epoxide (isomer B) Hexachlorobenzene	Hexachlorocyclopentadiene Methoxychlor	1mL	47726-U
EPA 505/525 Update Pesticides Mix B	9 analytes, 500µg/mL each in acetone Atrazine α-Chlordane γ-Chlordane	Endrin Heptachlor Heptachlor epoxide (isomer B)	Hexachlorobenzene Hexachlorocyclopentadiene Methoxychlor	1mL	47728-U

▲ Supelco equivalent of the former EPA-certified QC sample.

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Methods 524-525

Chemical Standards

SUPELCO

Environmental Standards Drinking Water Methods

531

MIXES AND SOLUTIONS	COMPOSITION	QTY.	CAT. NO.	PRICE
EPA 525 Update Phthalate Esters Mix	7 analytes, 500µg/mL each in methanol Butyl benzyl phthalate Diethyl phthalate Di-n-butyl-phthalate Bis(2-ethylhexyl)adipate Dimethyl phthalate Pentachlorophenol Bis(2-ethylhexyl)phthalate	1mL	47973	
EPA 525 Polynuclear Aromatic Hydrocarbons Mix A	13 analytes, 500µg/mL each in methylene chloride Acenaphthylene Benzo(k)fluoranthene Fluorene Anthracene Benzo(ghi)perylene Indeno(1,2,3-cd)pyrene Benzo(a)anthracene Chrysene Phenanthrene Benzo(a)pyrene Dibenzo(ah)anthracene Pyrene Benzo(b)fluoranthene	1mL	48953-U	
EPA 525 Polynuclear Aromatic Hydrocarbons Mix B	13 analytes, 500µg/mL each in acetone Acenaphthylene Benzo(k)fluoranthene Fluorene Anthracene Benzo(ghi)perylene Indeno(1,2,3-cd)pyrene Benzo(a)anthracene Chrysene Phenanthrene Benzo(a)pyrene Dibenzo(ah)anthracene Pyrene Benzo(b)fluoranthene	1mL	48249	
Toxaphene	500µg/mL in methanol	1mL	48243	
Internal Standards EPA 525/525.1 Internal Standard Mix	3 analytes, 500µg/mL each in acetone Acenaphthene-d ₁₀ Chrysene-d ₁₂ Phenanthrene-d ₁₀	1mL	48242	
Surrogate Standards Perylene-d ₁₂	2000µg/mL in methylene chloride	1mL	48081	
Fortification Standards EPA 525 Fortification Solution A3	analytes, 2000µg/mL each in methylene chloride Acenaphthene-d ₁₀ Chrysene-d ₁₂ Phenanthrene-d ₁₀	1mL	48230-U	
EPA 525 Fortification Solution B4	analytes, 500µg/mL each in acetone Acenaphthene-d ₁₀ Perylene-d ₁₂ Phenanthrene-d ₁₀ Chrysene-d ₁₂	1mL	48099	
Tuning Solutions see Method 625				
METHOD 531.1				
Calibration Standards Carbamate Mix RDaR	10 analytes, 100µg/mL each in methanol 10 analytes, 100µg/mL each in methanol Aldicarb Methomyl Aldicarb sulfone Methiocarb Aldicarb sulfoxide Oxamyl Carbofuran Propoxur 3-Hydroxycarbofuran Sevin (Carbaryl)	1mL 1mL	46856-U 30042R	
METHOD 550, 550.1				
Calibration Standards TCL Polynuclear Aromatic Hydrocarbons Mix	16 analytes at indicated concentrations in acetonitrile:methanol (90:10) Acenaphthene, 1000µg/mL Benzo(ghi)perylene, 80µg/mL Fluorene, 100µg/mL Acenaphthylene, 500µg/mL Benzo(a)pyrene, 50µg/mL Indeno(1,2,3-cd)pyrene, 50µg/mL Anthracene, 20µg/mL Chrysene, 50µg/mL Naphthalene, 500µg/mL Benzo(a)anthracene, 50µg/mL Dibenzo(a,h)anthracene, 200µg/mL Phenanthrene, 40µg/mL Benzo(b)fluoranthene, 20µg/mL Fluoranthene, 50µg/mL Pyrene, 100µg/mL Benzo(k)fluoranthene, 20µg/mL	1mL	49156	

RDaR Product is tested under Reciprocal Data Review agreement with Absolute Standards Inc. (Hamden, CT, USA)

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Method 525-550
Chemical Standards

SUPELCO

Environmental Standards

Drinking Water Methods

MIXES AND SOLUTIONS	COMPOSITION	QTY.	CAT. NO.	PRICE
METHOD 551, 551.1				
Calibration Standards				
EPA 551A Halogenated Volatiles Mix	10 analytes, 2000µg/mL each in acetone Bromodichloromethane Bromoform Carbon tetrachloride Chloroform	Dibromochloromethane 1,2-Dibrom o-3-chloropropane 1,2-Dibromoethane	Tetrachloroethylene 1,1,1-Trichloroethane Trichloroethylene	1mL 48045
EPA 551B Halogenated Volatiles Mix	7 analytes, 2000µg/mL each in acetone Bromochloroacetonitrile Chloropicrin Dibromoacetonitrile	Dichloroacetonitrile 1,1-Dichloro-2-propanone	Trichloroacetonitrile 1,1,1-Trichloro-2-propanone	1mL 48046
Chloral Hydrate	1000µg/mL in acetonitrile			1mL 47335-U
EPA 551 Disinfection Byproducts Kit	1mL of each of the following products EPA 551A Halogenated Volatiles Mix (48045)	EPA 551B Halogenated Volatiles Mix (48046)	Chloral Hydrate (47335-U)	48112
METHOD 552				
Calibration Standards				
EPA 552 Halogenated Acetic Acids Mix	6 components, 2000µg/mL each in methyl tert-butyl ether Bromoacetic acid Bromochloroacetic acid Chloroacetic acid	Dibromoacetic acid Dichloroacetic acid Trichloroacetic acid		1mL 48047
EPA 552 Esters Calibration Mix	6 components, 1000µg/mL each in methyl tert-butyl ether Methyl bromoacetate Methyl bromochloroacetate	Methyl chloroacetate Methyl dibromoacetate	Methyl dichloroacetate Methyl trichloroacetate	1mL 47598-U
2,4-Dichlorophenol, 2,4,6-Trichlorophenol	5000µg/mL in methanol 5000µg/mL in methanol			1mL 40029 1mL 40019
Internal Standards				
1,2,3-Trichloropropane	200µg/mL in methanol			1mL 48355
1,2,3-Trichloropropane	1000µg/mL in methyl tert-butyl ether			1mL 47669-U
Surrogate Standards				
3,5-Dichlorobenzoic acid	1000µg/mL in methyl tert-butyl ether			1mL 502316
2,3-Dichloropropionic acid	1000µg/mL in methyl tert-butyl ether			1mL 47670-U
METHOD 552.1				
EPA 552.1 Acids Calibration Mix with Surrogate	8 analytes at indicated concentrations in methyl tert-butyl ether Bromoacetic acid, 200µg/mL Bromochloroacetic acid, 200µg/mL 2-Bromopropionic acid, 100µg/mL (surrogate)	Chloroacetic acid, 300µg/mL Dalapon, 200µg/mL Dibromoacetic acid, 100µg/mL	Dichloroacetic acid, 300µg/mL Trichloroacetic acid, 100µg/mL	1mL 47652-U
METHOD 552.2				
Calibration Standards				
EPA 552.2 Acids Calibration Mix ICR With surrogate.	11 analytes at indicated concentrations in methyl tert-butyl ether Bromoacetic acid, 200µg/mL Bromochloroacetic acid, 200µg/mL Bromodichloroacetic acid, 200µg/mL 2-Bromopropionic acid, 100µg/mL	Chloroacetic acid, 300µg/mL Chlorodibromoacetic acid, 200µg/mL Dalapon, 200µg/mL Dibromoacetic acid, 100µg/mL	Dichloroacetic acid, 300µg/mL Tribromoacetic acid, 100µg/mL Trichloroacetic acid, 100µg/mL	1mL 47629-U
EPA 552.2 Esters Calibration Mix ICR With surrogate.	11 analytes at indicated concentrations in methyl tert-butyl ether Methyl bromoacetate, 200µg/mL Methyl bromochloroacetate, 200µg/mL Methyl bromodichloroacetate, 200µg/mL Methyl 2-bromopropionate, 100µg/mL	Methyl chloroacetate, 300µg/mL Methyl chlorodibromoacetate, 200µg/mL Dalapon methyl ester, 200µg/mL	Methyl dichloroacetate, 300µg/mL Methyl tribromoacetate, 100µg/mL Methyl trichloroacetate, 100µg/mL Methyl dibromoacetate, 100µg/mL	1mL 47630-U

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Methods 551-552

Chemical Standards

Environmental Standards

Drinking Water Methods, Odor Standards

MIXES AND SOLUTIONS	COMPOSITION	QTY.	CAT. NO.	PRICE
EPA 552.2 Acids Calibration Mix	9 analytes at indicated concentrations in methyl tert-butyl ether Bromoacetic acid, 400µg/mL Chloroacetic acid, 600µg/mL Dichloroacetic acid, 600µg/mL Bromochloroacetic acid, 400µg/mL Chlorodibromoacetic acid, 1000µg/mL Tribromoacetic acid, 2000µg/mL Bromodichloroacetic acid, 400µg/mL Dibromoacetic acid, 200µg/mL Trichloroacetic acid, 200µg/mL	1mL	47787	
EPA 552.2 Esters Calibration Mix Without dalapon.	9 analytes at indicated concentrations in methyl tert-butyl ether Methyl bromoacetate, 400µg/mL Methyl chloroacetate, 600µg/mL Methyl dichloroacetate, 600µg/mL Methyl bromochloroacetate, 400µg/mL Methyl chlorodibromoacetate, 1000µg/mL Methyl tribromoacetate, 2000µg/mL Methyl bromodichloroacetate, 400µg/mL Methyl dibromoacetate, 200µg/mL Methyl trichloroacetate, 200µg/mL	1mL	47788	
Bromoacetic acid	1000µg/mL in methyl tert-butyl ether	1mL	47655-U	
Bromochloroacetic acid	1000µg/mL in methyl tert-butyl ether	1mL	47659-U	
Bromodichloroacetic acid	1000µg/mL in methyl tert-butyl ether	1mL	47278	
Chloroacetic acid	1000µg/mL in methyl tert-butyl ether	1mL	47654-U	
Chlorodibromoacetic acid	1000µg/mL in methyl tert-butyl ether	1mL	47277	
Dalapon	1000µg/mL in methyl tert-butyl ether	1mL	47656-U	
Dibromoacetic acid	1000µg/mL in methyl tert-butyl ether	1mL	47660-U	
Dichloroacetic acid	1000µg/mL in methyl tert-butyl ether	1mL	47657-U	
Tribromoacetic acid	1000µg/mL in methyl tert-butyl ether	1mL	47729-U	
Trichloroacetic acid	1000µg/mL in methyl tert-butyl ether	1mL	47658-U	
Methyl bromoacetate	1000µg/mL in methyl tert-butyl ether	1mL	47662-U	
Methyl bromochloroacetate	1000µg/mL in methyl tert-butyl ether	1mL	47666-U	
Methyl bromodichloroacetate	1000µg/mL in methyl tert-butyl ether	1mL	47761	
Methyl chloroacetate	1000µg/mL in methyl tert-butyl ether	1mL	47661-U	
Methyl chlorodibromoacetate	1000µg/mL in methyl tert-butyl ether	1mL	47762	
Dalapon methyl ester	1000µg/mL in methyl tert-butyl ether	1mL	47663-U	
Methyl dibromoacetate	1000µg/mL in methyl tert-butyl ether	1mL	47667-U	
Methyl dichloroacetate	1000µg/mL in methyl tert-butyl ether	1mL	47664-U	
Methyl tribromoacetate	1000µg/mL in methyl tert-butyl ether	1mL	47730-U	
Methyl trichloroacetate	1000µg/mL in methyl tert-butyl ether	1mL	47665-U	
Surrogate Standards				
2-Bromopropionic acid	1 000µg/mL in methyl tert-butyl ether	1mL	47645	
2,3-Dibromopropionic acid	1 000µg/mL in methyl tert-butyl ether	1mL	47789	
Methyl-2-bromopropionate	1 000µg/mL in methyl tert-butyl ether	1mL	47668-U	
Methyl-2,3-dibromopropionate	1 000µg/mL in methyl tert-butyl ether	1mL	46970-U	
DRINKING WATER ODOR STANDARDS				
(±)-Geosmin	100µg/mL in methanol	1mL	47522-U	
2-Methylisoborneol	100µg/mL in methanol	1mL	47523-U	
(±)-Geosmin and 2-Methylisoborneol	100µg/mL each in methanol	1mL	47525-U	
2,4,6-Trichloroanisole	100µg/mL in methanol	1mL	47526-U	
2-Isopropyl-3-methoxypyrazine	100µg/mL in methanol	1mL	47527-U	
2-Isobutyl-3-methoxypyrazine	100µg/mL in methanol	1mL	47528-U	
Drinking Water Odors Standards Kit	1mL of each of the following products: (±)-Geosmin (47522-U) 2-Methylisoborneol (47523-U) (±)-Geosmin and 2-Methylisoborneol (47525-U) 2,4,6-Trichloroanisole (47526-U) 2-Isopropyl-3-methoxypyrazine (47527-U) 2-Isobutyl-3-methoxypyrazine (47528-U)		47529-U	

Derivatization Products

The Diazald Kit is a set of distillation glassware designed for safely preparing diazomethane (~100mmol). No sharp edges or ground glass joints. The 19/22 Clear-Seal tapered joints do not require grease even for vacuum applications, thus avoiding that source of contamination.

For replacement parts, contact our Technical Service department (phone 800-359-3041 or 814-359-3041).

DESCRIPTION	QTY.	CAT. NO.	PRICE
Methanolic Sulfuric Acid, 10% H ₂ SO ₄ in methanol Methylating reagent for Methods 552.1 and 552.2.	6 x 5mL	506516	
Diazald Kit	1	Z100250-1KT	

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Chemical Standards

SUPELCO

Environmental Standards

Wastewater Methods

These analytical reference standards are specifically designed for monitoring organic chemicals on the Priority Pollutants List municipal and industrial wastewater, per methods developed by the US EPA Environmental Monitoring Systems Laboratory in Cincinnati, Ohio (EMSL-CI), under authority of the Clean Water Act (CWA).

Clean Water Act (CWA) — 600 Series Methods

US EPA 600 Series methods are analytical methods for identifying and quantifying volatile organic compounds, pesticides, and synthetic organic compounds ("Priority Pollutants") in municipal and industrial wastewater. Most of these methods call for gas chromatography with a selective detector or for gas chromatography/mass spectrometry; a few methods call for high performance liquid chromatography or allow the analyst to choose between GC and HPLC. Packed GC columns are described in the 600 Series methods, but chromatographic conditions can be changed (e.g., capillary columns may be used) if the changes do not make the method "less accurate or less precise" than the standard method.

RELATED INFORMATION

Order all methods from:

NTIS
5285 Port Royal Road
Springfield, VA 22161
(phone 703-487-4650)

Industrial Wastewater Methods

Methods for Chemical Analysis of Water & Waste

NTIS order number PB 84-128-677 (March 1983)

Methods for the Determination of Nonconventional Pesticides in
Municipal and Industrial Wastewater

NTIS order number PB 92-190-289

The US Environmental Protection Agency website is www.epa.gov

COMPOUND CLASSIFICATION

US EPA METHOD NUMBER

Acids (Phenols), Base-Neutrals, Organochlorine	
Pesticides & PCBs	625
Acrolein/Acrylonitrile	603
Benzidine/3,3'-Dichlorobenzidine	605
Benomyl and Carbendazim	631
Chlorinated Hydrocarbons	612
Cyanazine	629
Dinitroaniline Pesticides	627
Haloethers	611
Nitrosamines	607
Organochlorine Pesticides and PCBs	608
Phenols	604
Phthalate Esters	606
Polynuclear Aromatic Hydrocarbons (PAHs)	610
Purgeable Aromatics	602
Purgeable Halocarbons	601
Purgeable Halocarbons	624
2,3,7,8-Tetrachlorodibenzo-p-dioxin	613

MIXES AND SOLUTIONS	COMPOSITION	QTY.	CAT. NO.	PRICE
METHOD 601				
Calibration Standards				
EPA 601 Purgeable Mix	23 analytes, 2000µg/mL each in methanol	1mL	47431-U	
Without gases. Includes 2-chloroethylvinyl ether.	Bromodichloromethane Bromoform Carbon tetrachloride Chloroform Chlorobenzene 2-Chloroethylvinyl ether Dibromochloromethane 1,2-Dichlorobenzene	1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,1-Dichloroethane 1,2-Dichloroethane trans-1,2-Dichloroethylene 1,1-Dichloroethylene 1,2-Dichloropropane cis-1,3-Dichloropropene	trans-1,3-Dichloropropene Methylene chloride 1,1,2,2-Tetrachloroethane Tetrachloroethene 1,1,1-Trichloroethane 1,1,2-Trichloroethane Trichloroethylene	
VOC Mix 6 SS	6 analytes, 2000µg/mL each analyte in methanol	1mL 1mL	48799-U 4S8799	
	Bromomethane Chloroethane	Chloromethane Dichlorodifluoromethane	Trichlorofluoromethane Vinyl chloride	
EPA 601/602 Calibration Mix	26 analytes, 2000µg/mL each in methanol	1mL	47507-U	
Includes 2-chloroethylvinyl ether.	Benzene Bromodichloromethane Bromoform Carbon tetrachloride Chloroform Chlorobenzene 2-Chloroethylvinyl ether Dibromochloromethane 1,2-Dichlorobenzene	1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,1-Dichloroethane 1,2-Dichloroethane trans-1,2-Dichloroethylene 1,1-Dichloroethylene 1,2-Dichloropropane cis-1,3-Dichloropropene trans-1,3-Dichloropropene	Ethylbenzene Methylene chloride 1,1,2,2-Tetrachloroethane Tetrachloroethylene Toluene 1,1,1-Trichloroethane 1,1,2-Trichloroethane Trichloroethylene	

SS Separate Source standards. Prepared from independently sourced raw materials and quality controlled independently.

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Method 601

Chemical Standards

SUPELCO

Environmental Standards Wastewater Methods

535

MIXES AND SOLUTIONS	COMPOSITION	QTY.	CAT. NO.	PRICE
EPA 601 Purgeable Halocarbons Mix Without gases.	22 analytes, 2000µg/mL each in methanol Bromodichloromethane 1,4-Dichlorobenzene trans-1,3-Dichloropropene Bromoform 1,1-Dichloroethane Methylene chloride Carbon tetrachloride 1,2-Dichloroethane 1,1,2,2-Tetrachloroethane Chloroform trans-1,2-Dichloroethylene Tetrachloroethene Chlorobenzene 1,1-Dichloroethylene 1,1,1-Trichloroethane Dibromochloromethane 1,2-Dichloropropane 1,1,2-Trichloroethane 1,2-Dichlorobenzene cis-1,3-Dichloropropene Trichloroethylene 1,3-Dichlorobenzene	1mL	46964	
EPA 602 Purgeable Aromatics Mix SS	7 analytes in methanol 200µg/mL each analyte 200µg/mL each analyte 2000µg/mL each analyte Benzene 1,3-Dichlorobenzene Ethylbenzene Chlorobenzene 1,4-Dichlorobenzene Toluene 1,2-Dichlorobenzene	1mL 1mL 1mL	48740 4S8740 46965	
Volatile Organic Compounds Mix 6 SS	6 analytes, 2000µg/mL each in methanol Bromomethane Chloromethane Trichlorofluoromethane Chloroethane Dichlorodifluoromethane Vinyl chloride	1mL 1mL	48799-U 4S8799	
2-Chloroethylvinyl ether	200µg/mL in methanol 5000µg/mL in methanol	1mL 1mL	48672 40017	
Trihalomethanes Calibrations Mix SS	4 analytes in methanol 100µg/mL each analyte 200µg/mL each analyte 200µg/mL each analyte 2000µg/mL each analyte Bromodichloromethane Chloroform Dibromochloromethane Bromoform	1mL 1mL 1mL 1mL	47904 48746 4S8746 48140-U	
Bromodichloromethane	200µg/mL in methanol	1mL	48615	
Bromoform	200µg/mL in methanol	1mL	48618	
Chloroform	200µg/mL in methanol	1mL	48603	
Dibromochloromethane	200µg/mL in methanol	1mL	48608	
Trihalomethanes Kit	1mL of each of the following products Trihalomethanes Calibration Mix (48746) Bromoform (48618) Dibromochloromethane (48608) Bromodichloromethane (48615) Chloroform (48603)		48824	
Trihalomethanes Calibrations Mix SS	4 analytes in methanol 100µg/mL each analyte 200µg/mL each analyte 200µg/mL each analyte 2000µg/mL each analyte Bromodichloromethane Chloroform Dibromochloromethane Bromoform	1mL 1mL 1mL 1mL	47904 48746 4S8746 48140-U	
Bromodichloromethane	5000µg/mL in methanol	1mL	40046	
Bromoform	5000µg/mL in methanol	1mL	40212	
Chloroform	5000µg/mL in methanol	1mL	40021	
Dibromochloromethane	2000µg/mL in methanol	1mL	40200-U	

SS Separate Source standards. Prepared from independently sourced raw materials and quality controlled independently.

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Method 601

Chemical Standards

SUPELCO

Environmental Standards

Wastewater Methods

MIXES AND SOLUTIONS	COMPOSITION	QTY.	CAT. NO.	PRICE
QC Standards				
EPA 601 Purgeables Performance Mix	18 analytes at indicated concentrations in methanol	1mL	48747	
	Carbon tetrachloride, 120µg/mL Chlorobenzene, 600µg/mL 1,2-Dichlorobenzene, 600µg/mL 1,3-Dichlorobenzene, 600µg/mL 1,4-Dichlorobenzene, 600µg/mL 1,1-Dichloroethane, 120µg/mL	1,2-Dichloroethane, 120µg/mL 1,1-Dichloroethylene, 120µg/mL trans-1,2-Dichloroethylene, 120µg/mL 1,2-Dichloropropane, 120µg/mL cis-1,3-Dichloropropene, 120µg/mL trans-1,3-Dichloropropene, 120µg/mL	Methylene chloride, 600µg/mL 1,1,2,2-Tetrachloroethane, 120µg/mL Tetrachloroethylene, 120µg/mL 1,1,1-Trichloroethane, 120µg/mL 1,1,2-Trichloroethane, 120µg/mL Trichloroethylene, 120µg/mL	
Internal and Surrogate Standards				
EPA Purgeable Internal Standards Mix	3 analytes, 20,000µg/mL each in methanol	1mL	48864	
	Bromochloromethane	1-Chloro-2-bromopropane	1,4-Dichlorobutane	
Bromochloromethane	2000µg/mL in methanol	1mL	48067	
	20,000µg/mL in methanol	1mL	48711	
1,4-Dichlorobutane	2000µg/mL in methanol	1mL	48066	
	20,000µg/mL in methanol	1mL	48712	
2-Bromo-1-chloropropane	2000µg/mL in methanol	1mL	48088	
	20,000µg/mL in methanol	1mL	48713	
Additional QC Standards See Method 624				
METHOD 602				
Calibration Standards				
EPA 601/602 Calibration Mix	26 analytes, 2000µg/mL each in methanol	1mL	47507-U	
Includes 2-chloroethylvinyl ether.	Benzene Bromodichloromethane Bromoform Carbon tetrachloride Chloroform Chlorobenzene 2-Chloroethylvinyl ether Dibromochloromethane 1,2-Dichlorobenzene	1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,1-Dichloroethane 1,2-Dichloroethane trans-1,2-Dichloroethylene 1,1-Dichloroethylene 1,2-Dichloropropane cis-1,3-Dichloropropene trans-1,3-Dichloropropene	Ethylbenzene Methylene chloride 1,1,2,2-Tetrachloroethane Tetrachloroethylene Toluene 1,1,1-Trichloroethane 1,1,2-Trichloroethane Trichloroethylene	
EPA 602 Purgeable Aromatics	7 analytes in methanol	1mL	48740	
	200µg/mL each analyte	1mL	4S8740	
	2000µg/mL each analyte	1mL	46965	
	Benzene Chlorobenzene 1,2-Dichlorobenzene	1,3-Dichlorobenzene 1,4-Dichlorobenzene	Ethylbenzene Toluene	
Internal/Surrogate Standards				
α, α, α-Trifluorotoluene	2000µg/mL in methanol	1mL	48389	
METHOD 603				
Calibration Standards				
Acrolein	Neat	5g	48501	
Acrylonitrile	Neat	5g	48502	
METHOD 604				
Calibration Standards				
EPA 604-M Phenols Mix 	11 analytes at indicated concentrations in methanol	1mL 1mL	48859 4S8859	
	4-Chloro-3-methylphenol, 2500µg/mL 2-Chlorophenol, 500µg/mL 2,4-Dichlorophenol, 500µg/mL 2,4-Dimethylphenol, 500µg/mL	2,4-Dinitrophenol, 1500µg/mL 2-Methyl-4,6-dinitrophenol, 2500µg/mL 2-Nitrophenol, 500µg/mL 4-Nitrophenol	Pentachlorophenol, 2500µg/mL Phenol, 500µg/mL 2,4,6-Trichlorophenol, 1500µg/mL 4-Nitrophenol, 2500µg/mL	
EPA 604-S Phenols Kit	11 individually packaged 1mL solutions (500µg/mL each in methanol) and 1 mix		48751	
	4-Chloro-3-methylphenol 2-Chlorophenol 2,4-Dichlorophenol 2,4-Dimethylphenol	2,4-Dinitrophenol 2-Methyl-4,6-dinitrophenol 2-Nitrophenol 4-Nitrophenol	Pentachlorophenol Phenol 2,4,6-Trichlorophenol EPA 604-M Phenols Mix (48859)	

 Separate Source standards. Prepared from independently sourced raw materials and quality controlled independently.

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Methods 601-604

Chemical Standards

SUPELCO

Environmental Standards Wastewater Methods

537

MIXES AND SOLUTIONS	COMPOSITION	QTY.	CAT. NO.	PRICE
METHOD 605				
Calibration Standards				
TCL Benzidines Mix SS	2 analytes, 2000µg/mL each in methanol	1mL	48906	
	Benzidine	1mL	4S8906	
	3,3'-Dichlorobenzidine			
METHOD 606				
Calibration Standards for Complete Analysis				
Phthalate Esters Mix SS	6 analytes, 2000µg/mL each in hexane	1mL	48231	
	6 analytes, 2000µg/mL each in hexane	1mL	4S8231	
	6 analytes, 2000µg/mL each in methanol	1mL	48805-U	
	Bis(2-ethylhexyl)phthalate	Diethyl phthalate	Di-n-butyl phthalate	
	Butyl benzyl phthalate	Dimethyl phthalate	Di-n-octyl phthalate	
Additional Calibration Standards				
EPA 606-M Phthalate Esters Mix	6 analytes, 200µg/mL each in methanol	1mL	48741	
	Bis(2-ethylhexyl)phthalate	Diethyl phthalate	Di-n-butyl phthalate	
	Butyl benzyl phthalate	Dimethyl phthalate	Di-n-octyl phthalate	
METHOD 607				
Calibration Standards				
EPA Nitrosamines Mix	3 analytes, 2000µg/mL each in methanol	1mL	48240-U	
	N-Nitrosodimethylamine	N-Nitrosodi-n-propylamine	N-Nitrosodiphenylamine	
METHOD 608, 608.1, 608.2				
Calibration Standards				
EPA 608 Pesticides Calibration Mix	16 analytes, 20µg/mL each in hexane:toluene (50:50)	1mL	47915-U	
	Aldrin	4,4'-DDE	Endosulfan sulfate	
	α-BHC	4,4'-DDT	Endrin	
	β-BHC	Dieldrin	Endrin aldehyde	
	γ-BHC (Lindane)	Endosulfan I	Heptachlor	
	δ-BHC	Endosulfan II	Heptachlor epoxide (isomer B)	
	4,4'-DDD			
EPA Pesticide Mix	16 analytes at indicated concentrations in methanol:methylene chloride (98:2)	1mL	48858-U	
	Aldrin, 10µg/mL	4,4'-DDE, 20µg/mL	Endosulfan sulfate, 60µg/mL	
	α-BHC, 10µg/mL	4,4'-DDT, 60µg/mL	Endrin, 20µg/mL	
	β-BHC, 10µg/mL	Dieldrin, 20µg/mL	Endrin aldehyde, 60µg/mL	
	γ-BHC (Lindane), 10µg/mL	Endosulfan I, 20µg/mL	Heptachlor, 10µg/mL	
	δ-BHC, 10µg/mL	Endosulfan II, 20µg/mL	Heptachlor epoxide (isomer B), 10µg/mL	
	4,4'-DDD, 60µg/mL			
Chlordane	5000µg/mL in methanol	1mL	40089	
Toxaphene	5000µg/mL in methanol	1mL	40111	
Aroclor Mix 1	4 analytes, 200µg/mL each in methanol	1mL	48861	
	Aroclor 1016	Aroclor 1248	Aroclor 1260	
	Aroclor 1232			
Aroclor Mix 2	3 analytes, 200µg/mL each in methanol	1mL	48862	
	Aroclor 1221	Aroclor 1242	Aroclor 1254	

SS Separate Source standards. Prepared from independently sourced raw materials and quality controlled independently.

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Methods 605-608

Chemical Standards

SUPELCO

Environmental Standards

Wastewater Methods

MIXES AND SOLUTIONS	COMPOSITION	QTY.	CAT. NO.	PRICE
EPA 608-S Organochlorine Pesticides and PCBs Kit	23 individually packaged 1mL solutions at indicated concentrations in methanol (except as noted), plus 3 mixes		48753-U	
	Aldrin, 20µg/mL	β-BHC, 20µg/mL*	Endrin, 20µg/mL	
	Aroclor 1016, 200µg/mL	γ-BHC (Lindane), 20µg/mL	Endrin aldehyde, 20µg/mL	
	Aroclor 1221, 200µg/mL	δ-BHC, 20µg/mL*	Heptachlor, 20µg/mL	
	Aroclor 1232, 200µg/mL	Chlordane, 20µg/mL	Heptachlor epoxide (i somer B), 20µg/mL	
	Aroclor 1242, 200µg/mL	4,4'-DDD, 20µg/mL	Toxaphene, 20µg/mL	
	Aroclor 1248, 200µg/mL	4,4'-DDE, 20µg/mL	EPA Pesticide Mix (48858-U)	
	Aroclor 1254, 200µg/mL	4,4'-DDT, 20µg/mL	Aroclor Mix 1 (48861)	
	Aroclor 1260, 200µg/mL	Dieldrin, 20µg/mL	Aroclor Mix 2 (48862)	
	α-BHC, 20µg/mL	Endosulfan sulfate, 20µg/mL		

METHOD 610

Calibration Standards

EPA 610 Polynuclear Aromatic

Hydrocarbons Mixture SS	16 analytes at indicated concentrations in methanol:methylene chloride, 50:50	1mL	48743
		1mL	4S8743
	Acenaphthene, 1000µg/mL	Benzo(b)fluoranthene, 200µg/mL	Fluoranthene, 200µg/mL
	Acenaphthylene, 2000µg/mL	200µg/mL	Fluorene, 200µg/mL
	Anthracene, 100µg/mL	Benzo(k)fluoranthene, 100µg/mL	Indeno(1,2,3-cd)pyrene, 100µg/mL
	Benzo(a)anthracene, 100µg/mL	Benzo(ghi)perylene, 200µg/mL	Naphthalene, 1000µg/mL
	Benzo(a)pyrene, 100µg/mL	Chrysene, 100µg/mL	Phenanthrene, 100µg/mL
	Benzo(a)pyrene, 100µg/mL	Dibenzo(a,h)anthracene, 200µg/mL	Pyrene, 100µg/mL

EPA 610-S Polynuclear Aromatic

Hydrocarbons Kit	16 individually packaged 1mL solutions, 200µg/mL each in methanol (except where noted), plus 1 mix		48755-U
	Acenaphthene	Benzo(k)fluoranthene [■]	Indeno(1,2,3-cd)pyrene
	Acenaphthylene	Benzo(ghi)perylene [■]	Naphthalene
	Anthracene	Chrysene [■]	Phenanthrene [■]
	Benzo(a)anthracene [■]	Dibenzo(a,h)anthracene [■]	Pyrene [■]
	Benzo(a)pyrene [■]	Fluoranthene [■]	PAH Mixture 610-M (48743)
	Benzo(b)fluoranthene	Fluorene	

EPA 610-N Polynuclear Aromatic

Hydrocarbons Kit	16 individually packaged neat compounds in quantities indicated		47351
	Acenaphthene, 5g	Benzo(ghi)perylene, .025g	Fluorene, 5g
	Acenaphthylene, 0.1g	Benzo(k)fluoranthene, .05g	Indeno(1,2,3-cd)pyrene, .01g
	Anthracene, 5g	Chrysene (93%), 0.1g	Naphthalene, 5g
	Benzo(a)anthracene, 0.1g	Dibenzo(a,h)anthracene, 0.1g	Phenanthrene, 5g
	Benzo(a)pyrene, 0.1g	Fluoranthene, 5g	Pyrene, 5g
	Benzo(b)fluoranthene, .05g		

METHOD 611

Calibration Standards

EPA Haloethers Mix	5 analytes, 2000µg/mL each in hexane	1mL	48228-U
	Bis(2-chloroethoxy)methane	Bis(2-chloroisopropyl)ether	4-Chlorophenylphenyl ether
	Bis(2-chloroethyl)ether	4-Bromophenylphenyl ether	

SS Separate Source standards. Prepared from independently sourced raw materials and quality controlled independently.

* In methanol:methylene chloride, 98:2.

■ In methylene chloride.

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Chemical Standards

SUPELCO

Environmental Standards Wastewater Methods

539

MIXES AND SOLUTIONS	COMPOSITION	QTY.	CAT. NO.	PRICE
METHOD 612				
Calibration Standards Hexachlorocyclopentadiene	500µg/mL in methanol	1mL	48388	
METHOD 613				
Calibration Standards 2,3,7,8-Tetrachloro-dibenzo-p-dioxin	Qualitative standard, approx. 10µg/mL in toluene	1mL	48599	
METHOD 624				
Calibration Standards				
EPA 624 Calibration Mix With gases	30 analytes, 100µg/mL each in methanol Benzene Bromodichloromethane Bromoform Bromomethane Carbon tetrachloride Chlorobenzene Chloroethane Chloroform Chloromethane Dibromochloromethane	1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,1-Dichloroethane 1,2-Dichloroethane 1,1-Dichloroethene trans-1,2-Dichloroethene 1,2-Dichloropropane cis-1,3-Dichloropropene trans-1,3-Dichloropropene	Ethylbenzene Methylene chloride 1,1,2,2-Tetrachloroethane Tetrachloroethene Toluene 1,1,1-Trichloroethane 1,1,2-Trichloroethane Tri chloroethene Trichlorofluoromethane Vinyl chloride	1mL 47506
2-Chloroethylvinyl ether	200µg/mL in methanol 5000µg/mL in methanol	1mL 1mL	48672 40017	
EPA Purgeable Halocarbon Calibration Kit	1mL of each of the following products EPA 624 Calibration Mix (47506)	2-Chloroethyl vinyl ether (40017)	47439-U	
EPA 624 Purgeable Calibration Mix Without gases. Includes 2-chloroethylvinyl ether.	26 analytes, 2000µg/mL each in methanol Benzene Bromodichloromethane Bromoform Carbon tetrachloride Chlorobenzene 2-Chloroethyl vinyl ether Chloroform Dibromochloromethane 1,2-Dichlorobenzene	1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,1-Dichloroethane 1,2-Dichloroethane 1,1-Dichloroethene trans-1,2-Dichloroethene 1,2-Dichloropropane cis-1,3-Dichloropropene trans-1,3-Dichloropropene	Ethylbenzene Methylene chloride 1,1,2,2-Tetrachloroethane Tetrachloroethene Toluene 1,1,1-Trichloroethane 1,1,2-Trichloroethane Trichloroethene	1mL 47432-U
EPA 624 Calibration Mix B	5 analytes, 2000µg/mL each in methanol Bromomethane Chloroethane	Chloromethane Trichlorofluoromethane	Vinyl chloride	1mL 46967-U
EPA Purgeable A with Dichlorobenzene	14 analytes in methanol 200µg/mL each analyte 2000µg/mL each analyte Carbon tetrachloride Chlorobenzene 2-Chloroethylvinyl ether Chloroform Dibromochloromethane	1,2-Dichlorobenzene 1,1-Dichloroethane 1,1-Dichloroethene 1,2-Dichloropropane Methylene chloride	Tetrachloroethene 1,1,2-Trichloroethane Trichloroethylene Trichlorofluoromethane	1mL 47969 1mL 48059
EPA Purgeable B with Dichlorobenzene	13 analytes in methanol 200µg/mL each analyte 2000µg/mL each analyte Benzene Bromodichloromethane Bromoform 1,3-Dichlorobenzene 1,4-Dichlorobenzene	1,2-Dichloroethane trans 1,2-Dichloroethene cis-1,3-Dichloropropene trans-1,3-Dichloropropene	Ethylbenzene 1,1,2,2-Tetrachloroethane Toluene 1,1,1-Trichloroethane	1mL 47970-U 1mL 48058
EPA Purgeable C	4 analytes in methanol 200µg/mL each analyte 2000µg/mL each analyte Bromomethane Chloroethane	Chloromethane	Vinyl chloride	1mL 48853 1mL 48057-U
HC Purgeables Kit	1mL of each of the following products EPA HC Purgeable A with Dichlorobenzene (48059)	EPA HC Purgeable B with Dichlorobenzene (48058)	EPA HC Purgeable C (48057)	47371

SS Separate Source standards. Prepared from independently sourced raw materials and quality controlled independently.

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Methods 612-624

Chemical
Standards

SUPELCO

Environmental Standards

Wastewater Methods

MIXES AND SOLUTIONS	COMPOSITION	QTY.	CAT. NO.	PRICE	
EPA 624 Calibration Mix A Without gases	25 analytes, 2000µg/mL each in methanol Benzene Bromodichloromethane Bromoform Carbon tetrachloride Chlorobenzene Chloroform Dibromochloromethane 1,2-Dichlorobenzene 1,3-Dichlorobenzene	1,4-Dichlorobenzene 1,1-Dichloroethane 1,2-Dichloroethane 1,1-Dichloroethene trans-1,2-Dichloroethene 1,2-Dichloropropane cis-1,3-Dichloropropene trans-1,3-Dichloropropene	Ethylbenzene Methylene chloride 1,1,2,2-Tetrachloroethane Tetrachloroethene Toluene 1,1,1-Trichloroethane 1,1,2-Trichloroethane Trichloroethene	1mL	46966
EPA 624 Calibration Mix B	5 analytes, 2000µg/mL each in methanol Bromomethane Chloroethane	Chloromethane Trichlorofluoromethane	Vinyl chloride	1mL	46967-U
2-Chloroethylvinyl ether	200µg/mL in methanol 5000µg/mL in methanol			1mL 1mL	48672 40017
EPA Purgeable A	13 analytes, 200µg/mL each in methanol Carbon tetrachloride Chlorobenzene 2-Chloroethylvinyl ether Chloroform Dibromochloromethane	1,1-Dichloroethane 1,1-Dichloroethene 1,2-Dichloropropane Methylene chloride	Tetrachloroethene 1,1,2-Trichloroethane Trichloroethene Trichlorofluoromethane	1mL 1mL	48851-U 4S8851
EPA Purgeable B SS	11 analytes, 200µg/mL each in methanol Benzene Bromodichloromethane Bromoform 1,2-Dichloroethane	trans-1,2-Dichloroethene cis-1,3-Dichloropropene trans-1,3-Dichloropropene Ethylbenzene	1,1,2,2-Tetrachloroethane Toluene 1,1,1-Trichloroethane	1mL 1mL	48852-U 4S8852
QC Standards					
EPA Volatiles Mix 1 NC SS	11 analytes, 50µg/mL each in methanol Carbon tetrachloride Chlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene	1,2-Dichloroethane 1,1-Dichloroethene trans-1,2-Dichloroethene 1,2-Dichloropropane	Ethylbenzene Tetrachloroethene 1,1,2-Trichloroethane	1mL	47269
EPA Volatiles Mix 2 NC	12 analytes, 50µg/mL each in methanol Benzene Bromodichloromethane Bromoform Chloroform	Dibromochloromethane 1,2-Dichlorobenzene 1,1-Dichloroethane Methylene chloride	1,1,2,2-Tetrachloroethane Toluene 1,1,1-Trichloroethane Trichloroethene	1mL	47270
Internal Standards					
EPA Purgeable Internal Standards Mix	3 analytes, 20,000µg/mL each in methanol Bromochloromethane	1-Chloro-2-bromopropane	1,4-Dichlorobutane	1mL	48864
Surrogate Standards					
Benzene-d ₆	2000µg/mL in methanol			1mL	48940-U
4-Bromofluorobenzene	2000µg/mL in methanol			1mL	48083
1,2-Dichloroethane-d ₄	2000µg/mL in methanol			1mL	48941
1,4-Difluorobenzene	2000µg/mL in methanol			1mL	48944
Fluorobenzene	2000µg/mL in methanol			1mL	48943
Pentafluorobenzene	2000µg/mL in methanol			1mL	48945
Tuning Solution ♦	4-Bromofluorobenzene		2000µg/mL in methanol 25,000µg/mL in methanol	1mL 1mL	48083 48800

SS Separate Source standards. Prepared from independently sourced raw materials and quality controlled independently.

▲ Supelco equivalent of the former EPA Certified QC Sample.

♦ For additional tuning solutions, see Method 625.

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Method 624

Chemical
Standards

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Environmental Standards Wastewater Methods

541

MIXES AND SOLUTIONS	COMPOSITION	QTY.	CAT. NO.	PRICE																																																								
METHOD 625																																																												
Calibration Standards																																																												
625 Semivolatile Calibration Mix	55 analytes, 1000µg/mL each in methylene chloride:benzene (3:1)	1mL	506559																																																									
	<table border="0"> <tr> <td>Acenaphthene</td> <td>4-Chlorophenylphenyl ether</td> <td>Hexachlorobutadiene</td> </tr> <tr> <td>Acenaphthylene</td> <td>Chrysene</td> <td>Hexachlorocyclopentadiene</td> </tr> <tr> <td>Anthracene</td> <td>Dibenzo(a,h)anthracene</td> <td>Hexachloroethane</td> </tr> <tr> <td>Azobenzene</td> <td>1,2-Dichlorobenzene</td> <td>Indeno(1,2,3-cd)pyrene</td> </tr> <tr> <td>Benzo(a)anthracene</td> <td>1,3-Dichlorobenzene</td> <td>Isophorone</td> </tr> <tr> <td>Benzo(b)fluoranthene</td> <td>1,4-Dichlorobenzene</td> <td>2-Methyl-4,6-dinitrophenol</td> </tr> <tr> <td>Benzo(k)fluoranthene</td> <td>2,4-Dichlorophenol</td> <td>Naphthalene</td> </tr> <tr> <td>Benzo(g,h,i)perylene</td> <td>Diethyl phthalate</td> <td>Nitrobenzene</td> </tr> <tr> <td>Benzo(a)pyrene</td> <td>2,4-Dimethylphenol</td> <td>2-Nitrophenol</td> </tr> <tr> <td>Bis(2-chloroethoxy)methane</td> <td>Dimethyl phthalate</td> <td>4-Nitrophenol</td> </tr> <tr> <td>Bis(2-chloroethyl)ether</td> <td>2,4-Dinitrophenol</td> <td>N-Nitrosodimethyl amine</td> </tr> <tr> <td>Bis(2-chloroisopropyl)ether</td> <td>2,4-Dinitrotoluene</td> <td>N-Nitrosodi-n-propylamine</td> </tr> <tr> <td>Bis(2-ethylhexyl)phthalate</td> <td>2,6-Dinitrotoluene</td> <td>Pentachlorophenol</td> </tr> <tr> <td>4-Bromophenyl phenyl ether</td> <td>Di-n-butyl phthalate</td> <td>Phenanthrene</td> </tr> <tr> <td>Butyl benzyl phthalate</td> <td>Di-n-octyl phthalate</td> <td>Phenol</td> </tr> <tr> <td>Carbazole</td> <td>Fluoranthene</td> <td>Pyrene</td> </tr> <tr> <td>4-Chloro-3-methylphenol</td> <td>Fluorene</td> <td>1,2,4-Trichlorobenzene</td> </tr> <tr> <td>2-Chloronaphthalene</td> <td>Hexachlorobenzene</td> <td>2,4,6-Trichlorophenol</td> </tr> <tr> <td>2-Chlorophenol</td> <td></td> <td></td> </tr> </table>	Acenaphthene	4-Chlorophenylphenyl ether	Hexachlorobutadiene	Acenaphthylene	Chrysene	Hexachlorocyclopentadiene	Anthracene	Dibenzo(a,h)anthracene	Hexachloroethane	Azobenzene	1,2-Dichlorobenzene	Indeno(1,2,3-cd)pyrene	Benzo(a)anthracene	1,3-Dichlorobenzene	Isophorone	Benzo(b)fluoranthene	1,4-Dichlorobenzene	2-Methyl-4,6-dinitrophenol	Benzo(k)fluoranthene	2,4-Dichlorophenol	Naphthalene	Benzo(g,h,i)perylene	Diethyl phthalate	Nitrobenzene	Benzo(a)pyrene	2,4-Dimethylphenol	2-Nitrophenol	Bis(2-chloroethoxy)methane	Dimethyl phthalate	4-Nitrophenol	Bis(2-chloroethyl)ether	2,4-Dinitrophenol	N-Nitrosodimethyl amine	Bis(2-chloroisopropyl)ether	2,4-Dinitrotoluene	N-Nitrosodi-n-propylamine	Bis(2-ethylhexyl)phthalate	2,6-Dinitrotoluene	Pentachlorophenol	4-Bromophenyl phenyl ether	Di-n-butyl phthalate	Phenanthrene	Butyl benzyl phthalate	Di-n-octyl phthalate	Phenol	Carbazole	Fluoranthene	Pyrene	4-Chloro-3-methylphenol	Fluorene	1,2,4-Trichlorobenzene	2-Chloronaphthalene	Hexachlorobenzene	2,4,6-Trichlorophenol	2-Chlorophenol				
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TCL Benzidines Mix	2 analytes, 2000µg/mL each in methanol	1mL	48906																																																									
	Benzidine 3,3'-Dichlorobenzidine																																																											
N-Nitrosodiphenylamine	5000µg/mL in methanol	1mL	40060																																																									
EPA 625 Semivolatile Calibration Kit	1mL of each of the following products		47444-U																																																									
	625 Semivolatile Calibration Mix (506559)	TCL Benzidines Mix (48906)	N-Nitrosodiphenylamine (40060)																																																									
EPA 625 Semivolatile Calibration Add-On Mix 1	17 analytes, 2000µg/mL each in methylene chloride	1mL	46828-U																																																									
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EPA 625 Semivolatile Calibration Add-On Mix 2	10 analytes, 2000µg/mL each in methylene chloride	1mL	46829-U																																																									
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8270/625/CLP/Appendix IX Semivolatile Calibration Mix	44 analytes, 1000µg/mL each in methylene chloride:benzene (3:1)	1mL	502049																																																									
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EPA 625 Phenol Mix in Methanol SS	11 analytes at indicated concentrations in methanol	1mL	48859																																																									
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SS Separate Source standards. Prepared from independently sourced raw materials and quality controlled independently.

Order: 1.800.325.3010 Technical Service: 1.800.359.3041 Web: www.sigma-aldrich.com/supelco

Method 625

Chemical Standards

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Environmental Standards

Wastewater Methods

MIXES AND SOLUTIONS	COMPOSITION	QTY.	CAT. NO.	PRICE
EPA CLP/625 Pesticide Mix	16 analytes, 2000µg/mL each in hexane:toluene (50:50) Aldrin α-BHC β-BHC δ-BHC (Lindane) γ-BHC 4,4'-DDD	4,4'-DDE 4,4'-DDT Dieldrin Endosulfan I Endosulfan II	Endosulfan sulfate Endrin Endrin aldehyde Heptachlor Heptachlor epoxide	1mL 47914
EPA 625 Phenol Mix	11 analytes at indicated concentrations in methylene chloride 4-Chloro-3-methylphenol, 2500µg/mL 2-Chlorophenol, 500µg/mL 2,4-Dichlorophenol, 500µg/mL 2,4-Dimethylphenol, 500µg/mL	2,4-Dinitrophenol, 2500µg/mL 2-Methyl-4,6-dinitrophenol, 2500µg/mL 2-Nitrophenol, 500µg/mL 4-Nitrophenol, 2500µg/mL	Pentachlorophenol, 2500µg/mL Phenol, 500µg/mL 2,4,6-Trichlorophenol, 1500µg/mL	1mL 48866
EPA 625 Base/Neutral 1	12 analytes, 200µg/mL each in methylene chloride Acenaphthylene Benzo(b)fluoranthene Bis(2-chloroethyl)ether Bis(2-ethylhexyl)phthalate	Bis(2-chloroisopropyl)ether 4-Bromophenylphenyl ether 1,4-Dichlorobenzene 3,3'-Dichlorobenzidine	Dimethyl phthalate Di-n-butyl phthalate 2,6-Dinitrotoluene Nitrobenzene	1mL 48831
EPA 625 Base/Neutral 2	15 analytes, 200µg/mL each in methylene chloride Acenaphthene Anthracene Benzo(a)anthracene Bis(2-chloroethoxy)methane Chrysene	Dibenzo(a,h)anthracene 1,2-Dichlorobenzene 1,3-Dichlorobenzene Diethyl phthalate 2,4-Dinitrotoluene	Fluorene Hexachlorobenzene Hexachlorobutadiene Naphthalene Pyrene	1mL 48832
EPA 625 Base/Neutral 3	11 analytes, 200µg/mL each in methylene chloride Azobenzene Butyl benzyl phthalate 2-Chloronaphthalene Fluoranthene	Hexachlorocyclopentadiene Hexachloroethane Isophorone N-Nitrosodi-n-propylamine	N-Nitrosodiphenylamine Phenanthrene 1,2,4-Trichlorobenzene	1mL 48833
EPA 625 Base/Neutral 4	8 analytes, 200µg/mL each in methylene chloride Benzidine Benzo(a)pyrene Benzo(ghi)perylene	Benzo(k)fluoranthene 4-Chlorophenylphenyl ether Di-n-octyl phthalate	Indeno(1,2,3-cd)pyrene N-Nitrosodimethylamine	1mL 48834
EPA Pesticide Mix	16 analytes at indicated concentrations in methanol:methylene chloride (98:2) Aldrin, 10µg/mL α-BHC, 10µg/mL β-BHC, 10µg/mL γ-BHC (Lindane), 10µg/mL δ-BHC, 10µg/mL 4,4'-DDD, 60µg/mL	4,4'-DDE, 20µg/mL 4,4'-DDT, 60µg/mL Dieldrin, 20µg/mL Endosulfan I, 20µg/mL Endosulfan II, 20µg/mL	Endosulfan sulfate, 60µg/mL Endrin, 20µg/mL Endrin aldehyde, 60µg/mL Heptachlor, 10µg/mL Heptachlor epoxide (isomer B), 10µg/mL	1mL 48858-U
Chlordane	5000µg/mL in methanol			1mL 40089
Toxaphene	5000µg/mL in methanol			1mL 40111
Aroclor Mix 1	4 analytes, 200µg/mL each in methanol Aroclor 1016 Aroclor 1232	Aroclor 1248	Aroclor 1260	1mL 48861
Aroclor Mix 2	3 analytes, 200µg/mL each in methanol Aroclor 1221	Aroclor 1242	Aroclor 1254	1mL 48862

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Method 625

Chemical Standards

Environmental Standards Wastewater Methods

543

MIXES AND SOLUTIONS	COMPOSITION	QTY.	CAT. NO.	PRICE
Tuning Solutions				
Benzidine-Decafluorotriphenylphosphine	At stated concentrations in methylene chloride Benzidine, 500µg/mL Decafluorotriphenylphosphine (DFTPP), 250µg/mL	1mL	48727	
Pentachlorophenol-Decafluorotriphenylphosphine	250µg/mL each analyte in methylene chloride Pentachlorophenol Decafluorotriphenylphosphine (DFTPP)	1mL	48728	
Decafluorotriphenylphosphine (DFTPP)	25,000µg/mL in methylene chloride	1mL	48724-U	
Perfluorotributylamine (PFTBA) Neat		1g	442747-U	
Internal/Surrogate Standards				
2-Fluorophenol	2000µg/mL in methylene chloride	1mL	48719-U	
Pentafluorophenol	2000µg/mL in methylene chloride	1mL	48718	
Phenol-d ₆ ■	2000µg/mL in methylene chloride	1mL	48716-U	
Aniline-d ₅	2000µg/mL in methylene chloride	1mL	48788	
Anthracene-d ₁₀	2000µg/mL in methylene chloride	1mL	48863	
Benzo(a)anthracene-d ₁₂	2000µg/mL in methylene chloride	1mL	48789	
Decafluorobiphenyl	2000µg/mL in methylene chloride	1mL	48792	
4,4'-Dibromobiphenyl	2000µg/mL in methylene chloride	1mL	48790-U	
4,4'-Dibromooctafluorobiphenyl	2000µg/mL in methylene chloride	1mL	48791	
2,2'-Difluorobiphenyl	2000µg/mL in methylene chloride	1mL	48787	
1-Fluoronaphthalene	2000µg/mL in methylene chloride	1mL	48720-U	
2-Fluoronaphthalene	2000µg/mL in methylene chloride	1mL	48721-U	
Naphthalene-d ₈	2000µg/mL in methylene chloride	1mL	48715-U	
Nitrobenzene-d ₅	2000µg/mL in methylene chloride	1mL	48717-U	
Phenanthrene-d ₁₀	2000µg/mL in methylene chloride	1mL	48710-U	
Pyridine-d ₅	2000µg/mL in methylene chloride	1mL	48714-U	
METHOD 627				
Benfluralin	Neat	1000mg	PS389	
Trifluralin	Neat	250mg	442824	
METHOD 629				
Calibration Standards				
Cyanazine	2000µg/mL in methanol	1mL	48592	
METHOD 631				
Calibration Standards				
Benomyl	Neat	100mg	PS222	

■ Method 625 calls for a phenol-d₆ standard, and phenol-d₆ raw material is used to manufacture this standard. However, phenolic hydrogen exchange occurs naturally, converting phenol-d₆ to phenol-d₅. In analyzing this standard, your system will detect phenol-d₅, not phenol-d₆.

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Methods 625-631

Chemical Standards

SUPELCO

Environmental Standards

Solid Waste, Groundwater Methods

Resource Conservation and Recovery Act (RCRA) — 8000 Series Methods

US EPA 8000 Series (or SW-846) methods are analytical methods for identifying and quantifying organic compounds on the EPA's Appendix VIII and Appendix IX lists in solid wastes and groundwater at active hazardous treatment, storage, and disposal sites. These methods call for gas chromatography with a selective detector or for gas chromatography-mass spectrometry; two methods call for high performance liquid chromatography. An additional method, Toxicity Characteristic Leaching Procedure (TCLP) Method 1311, is used to estimate the toxicity of solid waste materials under the leaching conditions in a landfill. Materials designated as RCRA based on results of Method 1311 cannot be disposed of in conventional landfills.

RELATED INFORMATION

Test Methods for Evaluation of Solid Wastes (3rd edition)
Volume 1 Lab Manual – Physical/Chemical Methods
NTIS order number PB 89-148-076 (January 1988)
US Government Methods
Order all methods from:
NTIS
5285 Port Royal Road
Springfield, VA 22161
(phone 703-487-4650)

The US Environmental Protection Agency website is www.epa.gov

Standards on the pages that follow are specifically designed for monitoring organic chemicals on the Appendix VIII and Appendix IX Lists in solid wastes and groundwater at hazardous treatment, storage, and disposal sites, per methods developed by the Environmental Monitoring Systems Laboratory in Las Vegas (EMSL-LV), under authority of the Resource Conservation and Recovery Act (RCRA).

COMPOUND CLASSIFICATION

US EPA METHOD NUMBER

Acrylonitrile/Acetonitrile	8030, 8031
Chlorinated Herbicides	8150, 8151, 8151A
Chlorinated Hydrocarbons	8120, 8121
Chlorinated Pesticides and PCBs	8080, 8081, 8082
1,2-Dibromoethane, 1,2-Dibromo-3-chloropropane	8011
Haloethers	8111
Halogenated and Aromatic Volatile Organics	8010, 8020, 8021
Nitroaromatics and Cyclic Ketones	8090
Nitroaromatics and Nitramines by HPLC	8330
Nitrosamines by GC	8070
Nonhalogenated Volatile Organics	8015
Phenols	8040
Phthalate Esters	8061
Polynuclear Aromatic Hydrocarbons	8100
Polynuclear Aromatic Hydrocarbons	8310
Semivolatile Organic Compounds	8270
Toxicity Characteristic Leaching Procedure (TCLP)	1311
Volatile Organic Compounds (VOC)	8240, 8260

MIXES AND SOLUTIONS	COMPOSITION	QTY.	CAT. NO.	PRICE
METHOD 1311				

These analytical reference standards are specifically designed for monitoring organic chemicals (acids, bases-neutrals, pesticides, herbicides, volatile compounds) listed in US Environmental Protection Agency Solid Waste Method 1311, Toxicity Characteristic Leaching Procedure.

Calibration Standards				
EPA TCLP Acids Mix	6 analytes, 1000µg/mL each in methanol m-Cresol o-Cresol	p-Cresol Pentachlorophenol	2,4,5-Trichlorophenol 2,4,6-Trichlorophenol	1mL 48142
EPA TCLP Base-Neutrals Mix-A6	6 analytes, 1000µg/mL each in acetone 2,4-Dinitrotoluene Hexachlorobenzene	Hexachlorobutadiene Hexachloroethane	Nitrobenzene Pyridine	1mL 48947
EPA TCLP Base-Neutrals Mix-B7	7 analytes, 1000µg/mL each in acetone 1,4-Dichlorobenzene 2,4-Dinitrotoluene Hexachlorobenzene	Hexachlorobutadiene Hexachloroethane	Nitrobenzene Pyridine	1mL 47989-U
EPA TCLP Volatiles Mix	11 analytes, 1000µg/mL each in methanol (except as noted) Benzene Carbon tetrachloride Chlorobenzene Chloroform	1,4-Dichlorobenzene 1,2-Dichloroethane 1,1-Dichloroethane Methyl ethyl ketone, 5000µg/mL	Tetrachloroethene Trichloroethene Vinyl chloride	1mL 48143
EPA TCLP Herbicides Mix	2 analytes, 1000µg/mL each in acetonitrile 2,4-D methyl ester	Silvex methyl ester		1mL 48141
EPA TCLP Pesticides Mix	5 analytes, 1000µg/mL each in methanol γ-BHC (Lindane) Endrin	Heptachlor Heptachlor epoxide	Methoxychlor	1mL 48139
TCLP 2,4-D	100µg/mL in methanol			1mL 47896
TCLP 2,4,5-TP (Silvex)	100µg/mL in methanol			1mL 47897
Chlordane	5000µg/mL in methanol			1mL 40089
Toxaphene	5000µg/mL in methanol			1mL 40111

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Chemical
Standards

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Environmental Standards

Solid Waste, Groundwater Methods

MIXES AND SOLUTIONS	COMPOSITION		QTY.	CAT. NO.	PRICE
METHOD 8010 (REPLACED WITH METHOD 8021)					
Calibration Standards					
EPA 8010 Halogenated Volatile Organic Compounds Mix 1					
	14 analytes, 2000µg/mL each in methanol		1mL	48224	
	Bromoform	1,2-Dichloroethane			1,1,1-Trichloroethane
	Carbon tetrachloride	1,2-Dichloropropane			1,1,2-Trichloroethane
	Chloroform	1,1,1,2-Tetrachloroethane			Trichloroethylene
	Dibromomethane	1,1,2,2-Tetrachloroethane			1,2,3-Trichloropropane
	1,1-Dichloroethane	Tetrachloroethylene			
EPA 8010 Halogenated Volatile Organic Compounds Mix 2					
	13 analytes, 2000µg/mL each in methanol		1mL	48395	
	Bromobenzene	1,3-Dichlorobenzene			trans-1,2-Dichloroethene
	Bromodichloromethane	1,4-Dichlorobenzene			cis-1,3-Dichloropropene
	Chlorobenzene	1,1-Dichloroethene			trans-1,3-Dichloropropene
	Dibromochloromethane	cis-1,2-Dichloroethene			Methylene chloride
	1,2-Dichlorobenzene				
VOC Mix 5					
	6 analytes, 2000µg/mL each in methanol		1mL	48797	
	Bromodichloromethane	1,1-Dichloroethene			trans-1,2-Dichloroethene
	Dibromochloromethane	cis-1,2-Dichloroethene			Methylene chloride
Chloroprene Iodomethane					
	custom-prepared standard (see page 360) 2000µg/mL in methanol:water (80:20)		1mL	47406	
VOC Mix 6 SS					
	6 analytes, 2000µg/mL each in methanol		1mL	48799-U	
	Bromomethane	Chloromethane		1mL	4S8799
	Chloroethane	Dichlorodifluoromethane			Trichlorofluoromethane Vinyl chloride
EPA EDB/DBCP Mix					
	2 analytes, 2000µg/mL each in methanol		1mL	48225-U	
	1,2-Dibromo-3-chloropropane	1,2-Dibromoethane			
Surrogate Standards					
EPA 8010 Surrogate Mix (1987)					
	3 analytes, 2000µg/mL each in methanol		1mL	48234	
	Bromochloromethane	1-Chloro-2-bromopropane			1,4-Dichlorobutane
Bromochloromethane					
	2000µg/mL in methanol		1mL	48067	
4-Bromofluorobenzene					
	2000µg/mL in methanol		1mL	48083	
2-Bromochlorobenzene					
	750µg/mL in methanol		1mL	47487	
4-Bromochlorobenzene					
	750µg/mL in methanol		1mL	47485	
METHOD 8011					
Calibration Standards					
EPA EDB/DBCP Mix					
	2 analytes, 2000µg/mL each in methanol		1mL	48225-U	
	1,2-Dibromo-3-chloropropane	1,2-Dibromoethane			
METHOD 8015					
Calibration Standards					
EPA 8015 Nonhalogenated Volatile Organics Mix					
	4 analytes, 2000µg/mL each in methanol		1mL	48236	
	2-Butanone (MEK)	Ethanol			4-Methyl-2-pentanone (MIBK)
	Diethyl ether				
METHOD 8020 (REPLACED WITH METHOD 8021)					
Calibration Standards					
EPA 8020B Aromatic Volatile Organics Mix 1					
	9 analytes, 2000µg/mL each in methanol		1mL	48226-U	
	Benzene	1,3-Dichlorobenzene			Toluene
	Chlorobenzene	1,4-Dichlorobenzene			m-Xylene
	1,2-Dichlorobenzene	Ethylbenzene			o-Xylene
EPA 8020/8240 Aromatic Volatiles Mix					
	11 analytes, 100µg/mL each in methanol		1mL	47504	
	Benzene	1,4-Dichlorobenzene			m-Xylene
	Chlorobenzene	Ethylbenzene			o-Xylene
	1,2-Dichlorobenzene	Styrene			p-Xylene
	1,3-Dichlorobenzene	Toluene			
Styrene					
	5000µg/mL in methanol		1mL	40257-U	
p-Xylene					
	5000µg/mL in methanol		1mL	40203	

SS Separate Source standards. Prepared from independently sourced raw materials and quality controlled independently.

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Methods 8010-8020

Chemical Standards

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Environmental Standards

Solid Waste, Groundwater Methods

MIXES AND SOLUTIONS	COMPOSITION	QTY.	CAT. NO.	PRICE
Internal Standards				
α,α,α -Trifluorotoluene	2000 μ g/mL in methanol	1mL	48389	
Surrogate Standards				
2-Bromochlorobenzene	750 μ g/mL in methanol	1mL	47487	
4-Bromochlorobenzene	750 μ g/mL in methanol	1mL	47485	
4-Bromofluorobenzene	2000 μ g/mL in methanol	1mL	48083	
1,4-Difluorobenzene	2000 μ g/mL in methanol	1mL	48944	
Fluorobenzene	2000 μ g/mL in methanol	1mL	48943	
α,α,α -Trifluorotoluene	2000 μ g/mL in methanol	1mL	48389	
METHOD 8021 (1987), 8021A (1990)				
Calibration Standards				
VOC Mix 1 SS	12 analytes, 2000 μ g/mL each in methanol	1mL	48775	
	sec-Butylbenzene tert-Butylbenzene Chlorobenzene 2-Chlorotoluene 4-Chlorotoluene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene Isopropylbenzene n-Propylbenzene o-Xylene p-Xylene	1mL	4S8775	
VOC Mix 2 SS	13 analytes, 2000 μ g/mL each in methanol	1mL	48777	
	Benzene Bromobenzene n-Butylbenzene Ethylbenzene p-Isopropyltoluene Naphthalene Styrene Toluene 1,2,3-Trichlorobenzene 1,2,4-Trichlorobenzene 1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene m-Xylene	1mL	4S8777	
VOC Mix 3 SS	14 analytes, 2000 μ g/mL each in methanol	1mL	48779	
	1,2-Dibromo-3-chloropropane 1,2-Dibromoethane 1,2-Dichloroethane 1,2-Dichloropropane 1,3-Dichloropropane 1,1-Dichloropropene cis-1,3-Dichloropropene trans-1,3-Dichloropropene Hexachlorobutadiene 1,1,1,2-Tetrachloroethane 1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane Trichloroethene 1,2,3-Trichloropropane	1mL	4S8779	
VOC Mix 4 SS	9 analytes, 2000 μ g/mL each in methanol	1mL	48786	
	Bromochloromethane Bromoform Carbon tetrachloride Chloroform Dibromomethane 1,1-Dichloroethane 2,2-Dichloropropane Tetrachloroethene 1,1,1-Trichloroethane	1mL	4S8786	
VOC Mix 5 SS	6 analytes, 2000 μ g/mL each in methanol	1mL	48797	
	Bromodichloromethane Dibromochloromethane 1,1-Dichloroethene cis-1,2-Dichloroethene trans-1,2-Dichloroethene Methylene chloride	1mL	4S8797	
VOC Mix 6 SS	6 analytes, 2000 μ g/mL each in methanol	1mL	48799-U	
	Bromomethane Chloroethane Chloromethane Dichlorodifluoromethane Trichlorofluoromethane Vinyl chloride	1mL	4S8799	
VOC Calibration Standards Kit SS	1mL of each of the following products		48804	
	VOC Mix 1 (48775) VOC Mix 2 (48777) VOC Mix 3 (48779) VOC Mix 4 (48786) VOC Mix 5 (48797) VOC Mix 6 (48799-U)		4S8804	
2-Chloroethylvinyl ether	200 μ g/mL in methanol	1mL	48672	
	5000 μ g/mL in methanol	1mL	40017	
Internal Standards				
EPA Internal Standard Mix	2 analytes, 2000 μ g/mL each in methanol	1mL	48950-U	
	2-Bromo-1-chloropropane Fluorobenzene			
Surrogate Standards				
2-Bromochlorobenzene	750 μ g/mL in methanol	1mL	47487	
4-Bromochlorobenzene	750 μ g/mL in methanol	1mL	47485	
Bromochloromethane	2000 μ g/mL in methanol	1mL	48067	
2-Bromo-1-chloropropane	20,000 μ g/mL in methanol	1mL	48713	
1,4-Dichlorobutane	2000 μ g/mL in methanol	1mL	48066	

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Methods 8020-8021

Chemical Standards

Environmental Standards Solid Waste, Groundwater Methods

547

MIXES AND SOLUTIONS	COMPOSITION	QTY.	CAT. NO.	PRICE
METHOD 8030 (REPLACED WITH METHODS 8031 AND 8033)				
Calibration Standards				
Acetonitrile	Neat	1000mg	48484	
Acrolein	Neat	5000mg	48501	
Acrylonitrile	Neat	5000mg	48502	
	1000µg/mL in water	1mL	48709	
	5000µg/mL in methanol	1mL	40003	
METHOD 8031				
Calibration Standards				
Acrylonitrile	Neat	5000mg	48502	
	1000µg/mL in water	1mL	48709	
	5000µg/mL in methanol	1mL	40003	
METHOD 8040				
Calibration Standards				
EPA 8040A Phenols				
Calibration Mix	24 analytes, 500µg/mL each in isopropanol	1mL	47899	
	2-sec-Butyl-4,6-dinitrophenol (Dinoseb)	2-Methylphenol	2,3,4,6-Tetrachlorophenol	
	4-Chloro-3-methylphenol	3-Methylphenol	2,3,5,6-Tetrachlorophenol	
	2-Chlorophenol	4-Methylphenol	2,3,4-Trichlorophenol	
	2,4-Dichlorophenol	2-Nitrophenol	2,3,5-Trichlorophenol	
	2,6-Dichlorophenol	4-Nitrophenol	2,3,6-Trichlorophenol	
	2,4-Dimethylphenol	Pentachlorophenol	2,4,5-Trichlorophenol	
	2,4-Dinitrophenol	Phenol	2,4,6-Trichlorophenol	
	2-Methyl-4,6-dinitrophenol	2,3,4,5-Tetrachlorophenol	3,4,5-Trichlorophenol	
EPA 8040A Phenols Mix	9 analytes, 2000µg/mL each in isopropanol	1mL	48235-U	
	4-Chloro-3-methylphenol	3-Methylphenol	Pentachlorophenol	
	2,4-Dichlorophenol	2-Nitrophenol	Phenol	
	2-Methyl-4,6-dinitrophenol	4-Nitrophenol	2,4,6-Trichlorophenol	
EPA 8040B Phenols Mix	9 analytes, 2000µg/mL each in isopropanol	1mL	48238	
	2-sec-Butyl-4,6-dinitrophenol (Dinoseb)	2,4-Dimethylphenol	4-Methylphenol	
	2-Chlorophenol	2,4-Dinitrophenol	2,3,4,6-Tetrachlorophenol	
	2,6-Dichlorophenol	2-Methylphenol	2,4,5-Trichlorophenol	
EPA 8040 Surrogate Standard Mix	2 analytes, 2000µg/mL each in isopropanol	1mL	47951	
	2-Fluorophenol	2,4,6-Tribromophenol		
METHOD 8061				
Calibration Standards				
EPA Phthalate Esters Mix ^{SS}	6 analytes, 2000µg/mL each in hexane	1mL	48231	
		1mL	4S8231	
	Bis(2-ethylhexyl)phthalate	Diethyl phthalate	Di-n-butyl phthalate	
	Butyl benzyl phthalate	Dimethyl phthalate	Di-n-octyl phthalate	
EPA Phthalate Esters Mix	6 analytes, 2000µg/mL each in methanol	1mL	48805-U	
	Bis(2-ethylhexyl)phthalate	Diethyl phthalate	Di-n-butyl phthalate	
	Butyl benzyl phthalate	Dimethyl phthalate	Di-n-octyl phthalate	
METHOD 8070				
Calibration Standards				
EPA Nitrosamines Mix ^{SS}	3 analytes, 2000µg/mL each in methanol	1mL	48240-U	
	N-Nitrosodimethylamine	N-Nitrosodiphenylamine	N-Nitrosodi-n-propylamine	

^{SS} Separate Source standards. Prepared from independently sourced raw materials and quality controlled independently.

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Methods 8030-8070

Chemical Standards

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Environmental Standards

Solid Waste, Groundwater Methods

MIXES AND SOLUTIONS	COMPOSITION	QTY.	CAT. NO.	PRICE
METHOD 8080, 8081, 8082				
Calibration Standards				
EPA 8080 Pesticides Mix	17 analytes, 250µg/mL each in toluene:hexane (50:50), except as noted	1mL	47913	
	Aldrin	4,4'-DDE	Endrin	
	α-BHC	4,4'-DDT	Endrin aldehyde	
	β-BHC	Dieldrin	Heptachlor	
	γ-BHC (Lindane)	Endosulfan I	Heptachlor epoxide (isomer B)	
	δ-BHC	Endosulfan II	Methoxychlor (1000µg/mL)	
	4,4'-DDD	Endosulfan sulfate		
TCL Pesticides Mix S/S	18 analytes, 2000µg/mL each in toluene:hexane (50:50)	1mL	48913	
	Aldrin	4,4'-DDE	Endrin	
	α-BHC	4,4'-DDT	Endrin aldehyde	
	β-BHC	Dieldrin	Endrin ketone	
	γ-BHC (Lindane)	Endosulfan I	Heptachlor	
	δ-BHC	Endosulfan II	Heptachlor epoxide	
	4,4'-DDD	Endosulfan sulfate	Methoxychlor	
Toxaphene	1000µg/mL in isooctane	1mL	48103	
Chlordane	1000µg/mL in isooctane	1mL	48065-U	
Aroclor PCBs RDaR				
Aroclor 1016	1000µg/mL in isooctane	1mL	48097	
Aroclor 1221	1000µg/mL in isooctane	1mL	48098	
Aroclor 1232	1000µg/mL in isooctane	1mL	44805	
Aroclor 1242	1000µg/mL in isooctane	1mL	44806	
Aroclor 1248	1000µg/mL in isooctane	1mL	44807	
Aroclor 1254	1000µg/mL in isooctane	1mL	44808	
Aroclor 1260	1000µg/mL in isooctane	1mL	44809	
Aroclor 1262	1000µg/mL in isooctane	1mL	44810	
Pesticides Calibration Standards Kit	1mL of each of the following products		48114	
	TCL Pesticides Mix (48913)	Aroclor 1221 (48098)	Aroclor 1254 (44808)	
	Toxaphene (48103)	Aroclor 1232 (44805)	Aroclor 1260 (44809)	
	Chlordane (48065-U)	Aroclor 1242 (44806)	Aroclor 1262 (44810)	
	Aroclor 1016 (48097)	Aroclor 1248 (44807)		
Kit PCB-A-21	6 individual 1mL solutions, 1000µg/mL each in isooctane		44803	
	Aroclor 1232	Aroclor 1248	Aroclor 1260	
	Aroclor 1242	Aroclor 1254	Aroclor 1262	
QC Standards				
EPA 8080 System Evaluation Mix	2 analytes, 5µg/mL each in methanol	1mL	47395	
	Endrin	p,p'-DDT		
Surrogate Standards				
8080 Spike Mix	6 analytes at indicated concentrations in methanol	1mL	47614-U	
	Aldrin, 20µg/mL	4,4'-DDT, 50µg/mL	Endrin, 50µg/mL	
	γ-BHC (Lindane), 20µg/mL	Dieldrin, 50µg/mL	Heptachlor, 20µg/mL	
EPA 8080/8270 Pesticide Surrogate Mix	2 analytes, 2000µg/mL each in toluene:hexane (50:50)	1mL	47903	
	Dibutyl chlorendate	2,4,5,6-Tetrachloro-m-xylene		
Pesticide Surrogate Spike Mix	2 analytes, 200µg/mL each in acetone	1mL	48460	
	Decachlorobiphenyl	2,4,5,6-Tetrachloro-m-xylene		
DDT-Endrin Mix	2 analytes, 500µg/mL each in methanol	1mL	48282	
	4,4'-DDT	Endrin		
Dibutyl chlorendate	200µg/mL in acetonitrile	1mL	48129	
2,4,5,6-Tetrachloro-m-xylene	200µg/mL in methanol	1mL	48317	
Decachlorobiphenyl	200µg/mL in acetone	1mL	48318	

RDaR Product is tested under Reciprocal Data Review agreement with Absolute Standards Inc. (Hamden, CT, USA)

S/S Separate Source standards. Prepared from independently sourced raw materials and quality controlled independently.

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Methods 8080-8082

Chemical Standards

Environmental Standards

Solid Waste, Groundwater Methods

MIXES AND SOLUTIONS	COMPOSITION	QTY.	CAT. NO.	PRICE
Calibration Standards				
Pesticide 8081 Standard Mix	22 analytes, 200µg/mL each in hexane:toluene (50:50)	1mL	46845-U	
	Aldrin α-BHC β-BHC γ-BHC (Lindane) δ-BHC α-Chlordane γ-Chlordane 4,4'-DDD	4,4'-DDE 4,4'-DDT Dieldrin Endosulfan I Endosulfan II Endosulfan sulfate Endrin Endrin aldehyde	Endrin ketone Heptachlor Heptachlor epoxide isomer B Methoxychlor Decachlorobiphenyl 2,4,5,6-Tetrachloro-m-xylene	
TCL Pesticides Mix	18 analytes, 2000µg/mL each in toluene:hexane (50:50)	1mL	48913	
	SS Aldrin α-BHC β-BHC γ-BHC (Lindane) δ-BHC 4,4'-DDD	4,4'-DDE 4,4'-DDT Dieldrin Endosulfan I Endosulfan II Endosulfan sulfate	Endrin Endrin aldehyde Endrin ketone Heptachlor Heptachlor epoxide Methoxychlor	4S8913
CLP Organochlorine Pesticides Mix	20 analytes, 2000µg/mL each in hexane:toluene (50:50)	1mL	47426-U	
	Aldrin α-BHC β-BHC γ-BHC (Lindane) δ-BHC α-Chlordane γ-Chlordane	4,4'-DDD 4,4'-DDE 4,4'-DDT Dieldrin Endosulfan I Endosulfan II Endosulfan sulfate	Endrin Endrin aldehyde Endrin keton Heptachlor Heptachlor epoxide isomer B Methoxychlor	
γ-Chlordane	100µg/mL in hexane	1mL	48193	
Toxaphene	200µg/mL in isooctane	1mL	47616-U	
	200µg/mL in isooctane	10mL	49135-U	
Aroclor Standard Mix 1	4 analytes at indicated concentrations in acetone:methanol(40:60)	1mL	46846-U	
	Aroclor 1016, 500µg/mL Aroclor 1260, 500µg/mL	Decachlorobiphenyl, 50µg/mL 2,4,5,6-Tetrachloro-m-xylene, 50µg/mL		
PCB Kit 3	7 individual 1mL solutions, 200µg/mL each in methanol		48825	
	Aroclor 1016 Aroclor 1221 Aroclor 1232	Aroclor 1242 Aroclor 1248	Aroclor 1254 Aroclor 1260	
Aroclor 1016	200µg/mL in methanol		48701	
Aroclor 1221	200µg/mL in methanol		48705	
Aroclor 1232	200µg/mL in methanol		48702	
Aroclor 1242	200µg/mL in methanol		48706	
Aroclor 1248	200µg/mL in methanol		48703	
Aroclor 1254	200µg/mL in methanol		48707	
Aroclor 1260	200µg/mL in methanol		48704	
Internal Standards				
Pentachloronitrobenzene	5000µg/mL in methanol	1mL	40156	
Surrogate Standards				
Pesticide Surrogate Spike Mix	2 analytes, 200µg/mL each in acetone	1mL	48460	
	Decachlorobiphenyl 2,4,5,6-Tetrachloro-m-xylene			
DDT-Endrin Mix	2 analytes, 500µg/mL each in methanol	1mL	48282	
	4,4'-DDT Endrin			
METHOD 8090				
Calibration Standards				
EPA Nitroaromatics/Cyclic Ketones Mix	6 analytes, 2000µg/mL each in hexane:acetone (94:6)	1mL	48227	
	1,3-Dinitrobenzene 2,4-Dinitrotoluene	2,6-Dinitrotoluene Isophorone	1,4-Naphthoquinone Nitrobenzene	
Surrogate Standards				
2-Fluorobiphenyl	2000µg/mL in methylene chloride	1mL	48722-U	

SS Separate Source standards. Prepared from independently sourced raw materials and quality controlled independently.

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Methods 8080-8090

Chemical Standards

SUPELCO

Environmental Standards

Solid Waste, Groundwater Methods

MIXES AND SOLUTIONS	COMPOSITION	QTY.	CAT. NO.	PRICE
METHOD 8100				
Calibration Standards				
TCL Polynuclear Aromatic Hydrocarbons Mix SS	16 analytes, 2000µg/mL each in methylene chloride:benzene (50:50)	1mL	48905-U	
		1mL	4S8905	
	Acenaphthene	Benzo(ghi)perylene	Fluorene	
	Acenaphthylene	Benzo(a)pyrene	Indeno(1,2,3-cd)pyrene	
	Anthracene	Chrysene	Naphthalene	
	Benzo(a)anthracene	Dibenzo(a,h)anthracene	Phenanthrene	
	Benzo(b)fluoranthene	Fluoranthene	Pyrene	
	Benzo(k)fluoranthene			
Surrogate Standards				
2-Fluorobiphenyl	2000µg/mL in methylene chloride	1mL	48722-U	
1-Fluoronaphthalene	2000µg/mL in methylene chloride	1mL	48720-U	
METHOD 8111				
Calibration Standards				
EPA Haloethers Mix	5 analytes, 2000µg/mL each in hexane	1mL	48228-U	
	Bis(2-chloroethoxy)methane	Bis(2-chloroisopropyl)ether	4-Chlorophenylphenyl ether	
	Bis(2-chloroethyl)ether	4-Bromophenylphenyl ether		
METHOD 8120 (REPLACED WITH METHOD 8121)				
Calibration Standards				
EPA Chlorinated Hydrocarbons Mix	10 analytes, 2000µg/mL each in hexane	1mL	48229	
	2-Chloronaphthalene	Hexachlorobenzene	Hexachloroethane	
	1,2-Dichlorobenzene	Hexachlorobutadiene	1,2,4,5-Tetrachlorobenzene	
	1,3-Dichlorobenzene	Hexachlorocyclopentadiene	1,2,4-Trichlorobenzene	
	1,4-Dichlorobenzene			
METHOD 8121				
Calibration Standards				
EPA Chlorinated Hydrocarbons Mix	10 analytes, 2000µg/mL each in hexane	1mL	48229	
	2-Chloronaphthalene	Hexachlorobenzene	Hexachloroethane	
	1,2-Dichlorobenzene	Hexachlorobutadiene	1,2,4,5-Tetrachlorobenzene	
	1,3-Dichlorobenzene	Hexachlorocyclopentadiene	1,2,4-Trichlorobenzene	
	1,4-Dichlorobenzene			
METHOD 8150/8151/8151A				
Calibration Standards				
Acid Herbicides Mix	12 analytes at indicated concentrations in methanol	1mL	46861-U	
	2,4-D, 100µg/mL	Dichloroprop, 100µg/mL	Pentachlorophenol, 50µg/mL	
	2,4-DB acid, 100µg/mL	Dinoseb, 50µg/mL	Picloram, 100µg/mL	
	Dalapon, 250µg/mL	MCPA, 10,000µg/mL	2,4,5-T, 10µg/mL	
	Dicamba, 10µg/mL	MCPP, 10,000µg/mL	2,4,5-TP, 10µg/mL	
EPA 8150 Herbicide Methyl Derivatives Mix				
	10 analytes, 200µg/mL each (except as indicated) in hexane	1mL	47375	
	2,4-D	Dichlorprop	MCPP (2000µg/mL)	
	2,4-DB	Dinoseb	2,4,5-T	
	Dalapon	MCPA (2000µg/mL)	2,4,5-TP (Silvex)	
	Dicamba			
2,4-D Methyl Ester	200µg/mL in hexane	1mL	47979	
2,4-DB Methyl Ester	200µg/mL in hexane	1mL	47981	
Dalapon Methyl Ester	200µg/mL in hexane	1mL	47980-U	
Dicamba Methyl Ester	200µg/mL in hexane	1mL	47982	
Dinoseb Methyl Ester	200µg/mL in hexane	1mL	47984	
MCPA Methyl Ester	2000µg/mL in hexane	1mL	47985-U	
MCPP Methyl Ester	2000µg/mL in hexane	1mL	47986	
2,4,5-T Methyl Ester	200µg/mL in hexane	1mL	47988	
2,4,5-TP Methyl Ester (Silvex)	200µg/mL in hexane	1mL	47987-U	
Internal Standards				
4,4'-Dibromooctafluorobiphenyl	250µg/mL in acetone	1mL	47644-U	
Surrogate Standards				
Methyl 2,4-dichlorophenylacetate	100µg/mL in acetone	1mL	47339	
	2000µg/mL in acetone	1mL	47329-U	

SS Separate Source standards. Prepared from independently sourced raw materials and quality controlled independently.

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Chemical Standards

SUPELCO

Methods 8100-8151

Environmental Standards

Solid Waste, Groundwater Methods

MIXES AND SOLUTIONS	COMPOSITION		QTY.	CAT. NO.	PRICE	
METHOD 8240 (REPLACED WITH METHOD 8260)						
Calibration Standards						
EPA 8020/8240						
Aromatic Volatiles Mix	11 analytes, 100µg/mL each in methanol Benzene Chlorobenzene 1,2-Dichlorobenzene 1,3-Dichlorobenzene	1,4-Dichlorobenzene Ethylbenzene Styrene Toluene	m-Xylene o-Xylene p-Xylene	1mL	47504	
EPA 8240B Calibration Mix 1	16 analytes, 2000µg/mL each in methanol Bromochloromethane Bromodichloromethane Dibromochloromethane 1,2-Dibromo-3-chloropropane 1,2-Dibromoethane cis-1,4-Dichloro-2-butene	trans-1,4-Dichloro-2-butene 1,1-Dichloroethene cis-1,2-Dichloroethene trans-1,2-Dichloroethene 1,3-Dichloropropane	2,2-Dichloropropane cis-1,3-Dichloropropene trans-1,3-Dichloropropene 1,1-Dichloropropylene Methylene chloride	1mL	47363	
EPA 8240B Calibration Mix 1A	11 analytes, 2000µg/mL each in methanol Bromodichloromethane Dibromochloromethane 1,2-Dibromo-3-chloropropane 1,2-Dibromoethane	cis-1,4-Dichloro-2-butene trans-1,4-Dichloro-2-butene 1,1-Dichloroethene trans-1,2-Dichloroethene	cis-1,3-Dichloropropene trans-1,3-Dichloropropene Methylene chloride	1mL	47276	
EPA 8240B Calibration Mix 2	7 analytes, 2000µg/mL each in methanol:water (80:20) Acetone Acetonitrile Acrylonitrile	2-Butanone 2-Hexanone	Isobutyl alcohol 4-Methyl-2-pentanone	1mL	47364	
EPA 8240B Calibration Mix 3	16 analytes, 2000µg/mL each in methanol Allyl chloride Benzene Chlorobenzene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene	Ethylbenzene Ethyl methacrylate Methacrylonitrile Methyl methacrylate Propionitrile	Styrene Toluene 1,2,3-Trichlorobenzene m-Xylene o-Xylene	1mL	47365	
EPA 8240B Calibration Mix 4	14 analytes, 2000µg/mL each in methanol Bromoform Carbon tetrachloride Chloroform Dibromomethane 1,1-Dichloroethane	1,2-Dichloroethane 1,2-Dichloropropane 1,1,1,2-Tetrachloroethane 1,1,2,2-Tetrachloro ethane Tetrachloroethylene	1,1,1-Trichloroethane 1,1,2-Trichloroethane Trichloroethylene 1,2,3-Trichloropropane	1mL	47366	
VOC Mix 6 SS	6 analytes, 2000µg/mL each in methanol Bromomethane Chloroethane	Chloromethane Dichlorodifluoromethane	Trichlorofluoromethane Vinyl chloride	1mL 1mL	48799-U 4S8799	
EPA 8240B Calibration Mix 6	7 analytes, 2000µg/mL each in methanol cis-1,4-Dichloro-2-butene trans-1,4-Dichloro-2-butene cis-1,3-Dichloropropene	trans-1,3-Dichloropropene 1,4-Dioxane	Iodomethane Pentachloroethane	1mL	48256	
EPA 8240B Calibration Mix 7	8 analytes, 2000µg/mL each in methanol Allyl chloride Ethyl methacrylate Methacrylonitrile	Methyl methacrylate 2-Picolone Propionitrile	Pyridine Styrene	1mL	48257	
Acrolein	Neat			5g	48501	
Carbon disulfide	5000µg/mL in methanol			1mL	40363	
	5000µg/mL in methanol			4 x 1mL	47409	
Chloral hydrate	1000µg/mL in acetonitrile			1mL	47335-U	
Chloropropene	custom prepared standard; see index					
Iodomethane	Neat			100mg	47376	
	2000µg/mL in methanol:water (80:20)			1mL	47406	
Vinyl acetate	Neat			1g	48486	
Internal Standards						
VOA Internal Standards Mix	3 analytes, 1000µg/mL each in methanol Bromochloromethane	Chlorobenzene-d ₅	1,4-Difluorobenzene	1mL	48835	
EPA 8240B Internal Standards Mix	3 analytes, 25µg/mL each in methanol Bromochloromethane	Chlorobenzene-d ₅	1,4-Difluorobenzene	1mL	47357	

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Chemical Standards

SUPELCO

Environmental Standards

Solid Waste, Groundwater Methods

MIXES AND SOLUTIONS	COMPOSITION	QTY.	CAT. NO.	PRICE
Surrogate Standards VOA Surrogate Spike Mix	3 analytes, 1000µg/mL each in methanol 4-Bromofluorobenzene 1,2-Dichloroethane-d ₄ Toluene-d ₈	1mL	48101	
EPA 8240B/8260A Surrogate Mix	3 analytes, 25µg/mL each in methanol 4-Bromofluorobenzene 1,2-Dichloroethane-d ₄ Toluene-d ₈	1mL	47076-U	
EPA 8240B/8260A Matrix Spike Mix	5 analytes, 25µg/mL each in methanol Benzene 1,1-Dichloroethene Trichloroethene Chlorobenzene Toluene	1mL 10 x 1mL	47075-U 47412	
System Performance Check Compounds 8240B/8260A Matrix Spike Mix	5 analytes, 2500µg/mL each in methanol Benzene 1,1-Dichloroethylene Trichloroethylene Chlorobenzene Toluene	1mL	47411-U	
8240B/8260A System Performance Check Compounds	5 analytes, 2000µg/mL each in methanol Bromoform Chloromethane 1,1-Dichloroethane Chlorobenzene	1mL	47389	
EPA 8240B/8260A Calibration Check Compounds SS	6 analytes, 2000µg/mL each in methanol Chloroform 1,2-Dichloropropane Toluene 1,1-Dichloroethene Ethylbenzene Vinyl chloride	1mL 1mL	47385-U 4S7385	
EPA 8240B/8260A GC/MS Tuning Solution	4-Bromofluorobenzene 25µg/mL in methanol	1mL 4 x 1mL	47077 47414	
4-Bromofluorobenzene	25,000µg/mL in methanol	1mL	48800	
Perfluorotributylamine (PFTBA) Tuning Solution	Perfluorotributylamine Neat 25,000µg/mL in methylene chloride	1g 1mL	442747-U 48724-U	
METHOD 8260				
Calibration Standards				
8260 Volatiles Calibration Mix	52 analytes, 2000µg/mL each in methanol Benzene 1,3-Dichlorobenzene n-Propylbenzene Bromobenzene 1,4-Dichlorobenzene Styrene Bromochloromethane 1,1-Dichloroethane 1,1,1,2-Tetrachloroethane Bromodichloromethane 1,2-Dichloroethane 1,1,2,2-Tetrachloroethane Bromoform 1,1-Dichloroethene Tetrachloroethane n-Butylbenzene cis-1,2-Dichloroethene Toluene sec-Butylbenzene trans-1,2-Dichloroethene 1,2,3-Trichlorobenzene tert-Butylbenzene 1,2-Dichloropropane 1,2,4-Trichlorobenzene Carbon tetrachloride 1,3-Dichloropropane 1,1,1-Trichloroethane Chlorobenzene 2,2-Dichloropropane 1,1,2-Trichloroethane Chloroform 1,1-Dichloropropene Trichloroethene 2-Chlorotoluene Ethylbenzene 1,2,3-Trichloropropane 4-Chlorotoluene Hexachlorobutadiene 1,2,4-Trimethylbenzene Dibromochloromethane Isopropylbenzene 1,3,5-Trimethylbenzene 1,2-Dibromo-3-chloropropane p-Isopropyltoluene m-Xylene 1,2-Dibromoethane Methylene chloride o-Xylene Dibromomethane Naphthalene p-Xylene 1,2-Dichlorobenzene	1mL	500607	
VOC Mix 6 SS	6 analytes, 2000µg/mL each in methanol Bromomethane Chloromethane Trichlorofluoromethane Chloroethane Dichlorodifluoromethane Vinyl chloride	1mL 1mL	48799-U 4S8799	
EPA 8260 Volatile Calibration Kit	1mL of each of the following products 8260 Volatiles Calibration Mix (500607) Volatile Organic Compounds Mix 6 (48799-U)		47442-U	

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Methods 8240-8260

Chemical Standards

Environmental Standards

Solid Waste, Groundwater Methods

MIXES AND SOLUTIONS	COMPOSITION	QTY.	CAT. NO.	PRICE
VOC Mix 1 S S	12 analytes, 2000µg/mL each in methanol sec-Butylbenzene tert-Butylbenzene Chlorobenzene 2-Chlorotoluene	4-Chlorotoluene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene	Isopropylbenzene n-Propylbenzene o-Xylene p-Xylene	1mL 1mL 48775 4S8775
VOC Mix 2 S S	13 analytes, 2000µg/mL each in methanol Benzene Bromobenzene n-Butylbenzene Ethylbenzene p-Isopropyltoluene	Naphthalene Styrene Toluene 1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene 1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene m-Xylene	1mL 1mL 48777 4S8777
VOC Mix 3 S S	14 analytes, 2000µg/mL each in methanol 1,2-Dibromo-3-chloropropane 1,2-Dibromoethane 1,2-Dichloroethane 1,2-Dichloropropane 1,3-Dichloropropane	1,1-Dichloropropene cis-1,3-Dichloropropene trans-1,3-Dichloropropene Hexachlorobutadiene 1,1,1,2-Tetrachloroethane	1,1,1,2-Tetrachloroethane 1,1,2-Trichloroethane Trichloroethene 1,2,3-Trichloropropane	1mL 1mL 48779 4S8779
VOC Mix 4 S S	9 analytes, 2000µg/mL each in methanol Bromochloromethane Bromofrom Carbon tetrachloride	Chloroform Dibromomethane 1,1-Dichloroethane	2,2-Dichloropropane Tetrachloroethene 1,1,1-Trichloroethane	1mL 1mL 48786 4S8786
VOC Mix 5 S S	6 analytes, 2000µg/mL each in methanol Bromodichloromethane Dibromochloromethane	1,1-Dichloroethene cis-1,2-Dichloroethene	trans-1,2-Dichloroethene Methylene chloride	1mL 1mL 48797 4S8797
VOC Mix 6 S S	6 analytes, 2000µg/mL each in methanol Bromomethane Chloroethane	Chloromethane Dichlorodifluoromethane	Trichlorofluoromethane Vinyl chloride	1mL 1mL 48799-U 4S8799
VOC Calibration Standards Kit RDaR	1mL of each of the following products VOC Mix 1 (48775) VOC Mix 2 (48777)	VOC Mix 3 (48779) VOC Mix 4 (48786)	VOC Mix 5 (48797) VOC Mix 6 (48799-U)	48804
EPA Method 8260 Kit	1mL of each of the following products VOC Mix 1 (48775) VOC Mix 2 (48777) VOC Mix 3 (48779)	VOC Mix 4 (48786) VOC Mix 5 (48797) VOC Mix 6 (48799-U)	EPA 8260 Surrogate Standard Mix (48959) EPA 8260 Internal Standard Mix (48958)	48261
EPA 8260 Calibration Mix 2	8 analytes, 2000µg/mL each in methanol:water (95:5) Acetone 2-Butanone Carbon disulfide	2-Chloroethyl vinyl ether 2-Hexanone Iodomethane	4-methyl-2-pentanone Vinyl acetate	1.5mL 1.5mL 46831-U 4S6831-U
Acrolein/Acrylonitrile Mix	2 analytes, 2000µg/mL each in water 2000µg/mL each analyte Acrolein	Acrylonitrile		1mL 1mL 46870-U 4S6870-U
Acrolein/Acrylonitrile Mix	2 analytes, 10,000µg/mL each in deionized water Acrolein	Acrylonitrile		1mL 46871-U

RDaR Product is tested under Reciprocal Data Review agreement with Absolute Standards Inc. (Hamden, CT, USA)

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Method 8260

Chemical Standards

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Environmental Standards

Solid Waste, Groundwater Methods

MIXES AND SOLUTIONS	COMPOSITION	QTY.	CAT. NO.	PRICE
Appendix IX Volatiles Calibration Mix	49 analytes, 2000µg/mL each in methanol Acetonitrile trans-1,4-Dichloro-2-butene Naphthalene Acrylonitrile 1,1-Dichloroethane Pentachloroethane Allyl chloride 1,2-Dichloroethane Propionitrile Benzene 1,1-Dichloroethene Pyridine Bromodichloromethane trans-1,2-Dichloroethene Styrene Bromoform 1,2-Dichloropropane 1,1,1,2-Tetrachloroethane Carbon disulfide cis-1,3-Dichloropropene 1,1,2,2-Tetrachloroethane Carbon tetrachloride trans-1,3-Dichloropropene Tetrachloroethene Chlorobenzene 1,4-Dioxane Toluene Chlorodibromomethane Ethyl benzene 1,1,1-Trichloroethane Chloroform Ethyl methacrylate 1,1,2-Trichloroethane 1,2-Dichlorobenzene Hexachloroethane Trichloroethene 1,2-Dibromo-3-chloropropane Isobutanol 1,2,3-Trichloropropane 1,2-Dibromoethane Methylacrylonitrile m-Xylene Dibromomethane Methylene chloride o-Xylene 1,3-Dichlorobenzene Methyl methacrylate p-Xylene 1,4-Dichlorobenzene	1mL	506532	
VOC Mix 6 SS	6 analytes, 2000µg/mL each in methanol Bromomethane Chloromethane Trichlorofluoromethane Chloroethane Dichlorodifluoromethane Vinyl chloride	1mL 1mL 4 x 1mL	48799-U 4S8799 47408	
TCL Volatiles Mix 1	4 analytes, 2000µg/mL each in methanol:water (90:10) Acetone 2-Hexanone 4-Methyl-2-pentanone 2-Butanone	1mL 1mL	48949 4S8949	
Iodomethane SS Acrolein Vinyl acetate	2000µg/mL in methanol:water (80:20) Neat Neat	1mL 5000mg 1g	47406 48501 48486	
Appendix IX Volatiles Calibration Kit	1mL of each of the following products Appendix IX Volatiles Calibration Mix (506532) Volatile Organic Compounds Mix 6 (48799-U) TCL Volatiles Mix 1 (48949) Iodomethane (47406) Acrolein (48501) Vinyl acetate (48486)		47441-U	
Internal Standards EPA 8260A Internal Standards Mix	4 analytes in methanol 25µg/mL each analyte 2000µg/mL each analyte Chlorobenzene-d ₅ 1,4-Difluorobenzene Pentafluorobenzene 1,4-Dichlorobenzene-d ₄	1mL 1mL	47392 48958	
8260A Internal Standards Mix	3 analytes in methanol 25µg/mL each analyte 250µg/mL each analyte Chlorobenzene-d ₅ 1,4-Dichlorobenzene-d ₄ Fluorobenzene	1mL 1mL	47777 47776	
8260 Internal Standards Mix 1	3 analytes, 2500µg/mL each in methanol Chlorobenzene-d ₅ 1,4-Dichlorobenzene-d ₄ Fluorobenzene	1mL	46838-U	
8260A Internal Standards Mix	3 analytes, 250µg/mL each in methanol Chlorobenzene-d ₅ 1,4-Dichlorobenzene-d ₄ Fluorobenzene	5mL	46839-U	
Surrogate Standards EPA 8260 Surrogate Standards Mix	3 analytes, 2000µg/mL each in methanol 4-Bromofluorobenzene Dibromofluoromethane Toluene-d ₈	1mL	48959	

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Method 8260

Chemical Standards

Environmental Standards Solid Waste, Groundwater Methods

555

MIXES AND SOLUTIONS	COMPOSITION		QTY.	CAT. NO.	PRICE
EPA 8240B/8260A Matrix Spike Mix	5 analytes, 25µg/mL each in methanol		1mL 10 x 1mL	47075-U 47412	
	Benzene Chlorobenzene	1,1-Dichloroethene Toluene		Trichloroethene	
8260A Surrogate Standards Mix	4 analytes in methanol 250µg/mL each analyte 2000µg/mL each analyte		1mL 1mL	47779 47778	
	4-Bromofluorobenzene Dibromofluoromethane	1,2-Dichloroethane-d ₄		Toluene-d ₈	
8260A Surrogate Standards Mix 2	4 analytes, 250µg/mL each in methanol		5mL	46842-U	
	4-Bromofluorobenzene Dibromofluoromethane	1,2-Dichloroethane-d ₄		Toluene-d ₈	
EPA 8240B/8260A GC/MS Tuning Solution	4-Bromofluorobenzene, 25µg/mL in methanol		1mL 4 x 1mL	47077 47414	
4-Bromofluorobenzene	25,000µg/mL in methanol		1mL	48800	
System Performance Check Compounds 8240B/8260A System Performance Check Compounds	5 analytes, 2000µg/mL each in methanol		1mL	47389	
	Bromoform Chlorobenzene	Chloromethane 1,1-Dichloroethane		1,1,2,2-Tetrachloroethane	
EPA 8240B/8260A Calibration Check Compounds ■	6 analytes, 2000µg/mL each in methanol		1mL 1mL	47385-U 4S7385	
	Chloroform 1,1-Dichloroethene	1,2-Dichloropropane Ethylbenzene		Toluene Vinyl chloride	
8240B/8260A Matrix Spike Mix	5 analytes, 2500µg/mL each in methanol		1mL	47411-U	
	Benzene Chlorobenzene	1,1-Dichloroethylene Toluene		Trichloroethylene	

METHOD 8270

Calibration Standards

CLP Semivolatile Calibration Mix ■	64 analytes, 1000µg/mL each in methylene chloride:benzene (3:1)			1mL	506508
	Acenaphthene Acenaphthylene Anthracene Azobenzene Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene Benzo(ghi)perylene Benzo(k)fluoranthene Butyl benzyl phthalate Bis(2-chloroethoxy)methane Bis(2-chloroethyl) ether Bis(2-Chloroisopropyl) ether Bis(2-ethylhexyl) phthalate 4-Bromophenylphenyl ether Carbazole 4-Chloroaniline 2-Chloronaphthalene 4-Chloro-3-methyl phenol 2-Chlorophenol 4-Chlorophenyl phenyl ether Chrysene	Dibenzo(a,h)anthracene Dibenzofuran Di-n-butyl phthalate 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 2,4-Dichlorophenol Diethyl phthalate 2,4-Dimethylphenol 4,6-Dinitro-2-methylphenol 2,4-Dinitrophenol Dimethyl phthalate 2,4-Dinitrotoluene 2,6-Dinitrotoluene Di-n-octyl phthalate Fluoranthene Fluorene Hexachlorobenzene Hexachlorobutadiene Hexachlorocyclopentadiene Hexachloroethane	Indeno(1,2,3-cd)pyrene Isophorone 2-Methylnaphthalene 2-Methylphenol 4-Methylphenol Naphthalene 2-Nitroaniline 3-Nitroaniline 4-Nitroaniline Nitrobenzene 2-Nitrophenol 4-Nitrophenol N-Nitrosodimethylamine N-Nitrosodi-n-propylamine Pentachlorophenol Phenanthrene Phenol Pyrene 1,2,4-Trichlorobenzene 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol		

■ For information on a kit containing this product, see the following page (Cat. No. 47348-U).

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Methods 8260-8270

 Chemical
Standards

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Solid Waste, Groundwater Methods

MIXES AND SOLUTIONS	COMPOSITION	QTY.	CAT. NO.	PRICE	
EPA 8270/Appendix IX Semivolatle Calibration Mix	39 analytes, 1000µg/mL each in methylene chloride Aniline Acetophenone 2-Acetylaminofluorene 4-Aminobiphenyl Benzyl alcohol 2-sec-Butyl-4,6-dinitrophenol (Dinoseb) 2,6-Dichlorophenol p-Dimethylaminoazobenzene 7,12-Dimethylbenz-(a)anthracene 1,3-Dinitrobenzene Diphenylamine Ethyl methanesulfonate Hexachloropropene	Isosafrole Methapyrene (HCl) 2-Methyl aniline (o-Toluidine) 3-Methylcholanthrene Methyl methanesulfonate 3-Methylphenol 2-Methyl pyridine (2-Picoline) 1-Naphthylamine 2-Naphthylamine 4-Nitroquinoline-1-oxide N-Nitrosodi-n-butylamine N-Nitrosodiethylamine N-Nitrosomethylethylamine	N-Nitrosomorpholine N-Nitrosopiperidine N-Nitrosopyrrolidine 5-Nitro-o-toluidine Pentachlorobenzene Pentachloronitrobenzene Pentachloroethane Phenacetin Pyridine Safrole 1,2,4,5-Tetrachlorobenzene 2,3,4,6-Tetrachlorophenol 1,3,5-Trinitrobenzene	1mL	506567
EPA 8270 Benzidines Mix	3 analytes, 2000µg/mL each in methanol Benzidine 3,3'-Dichlorobenzidine 3,3'-Dimethylbenzidine			1mL	48467
Benzoic acid	2000µg/mL in methylene chloride			1mL	47508-U
Hexachlorophene	5000µg/mL in methanol			1mL	40323
1,4-Naphthoquinone	2000µg/mL in methylene chloride			1mL	47511-U
N-Nitrosodiphenylamine	5000µg/mL in methanol			1mL	40060
1,4-Phenylenediamine	2000µg/mL in methylene chloride			1mL	48298
EPA 8270 Calibration Kit	1mL of each of the following products CLP Semivolatle Calibration Mix (506508) EPA 8270/Appendix IX Semivolatle Calibration Mix (506567)	EPA 8270 Benzidines Mix (48467) Benzoic acid(47508-U) Hexachlorophene (40323)	1,4-Naphthoquinone (47511-U) N-Nitrosodiphenylamine (40060) 1,4-Phenylenediamine (48298)		47348-U
Aramite	2000µg/mL in methylene chloride			1mL	47519-U
8270/625/CLP/Appendix IX Semivolatle Calibration Mix	44 analytes, 1000µg/mL each in methylene chloride:benzene (3:1) Acenaphthene Acenaphthylene Anthracene Azobenzene Benzo(a)anthracene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(g,h,i)perylene Benzo(a)pyrene Bis(2-chloroethoxy)methane Bis(2-chloroethyl)ether Bis(2-chloroisopropyl)ether Bis(2-ethylhexyl)phthalate 4-Bromophenyl phenyl ether Butyl benzyl phthalate	Carbazole 2-Chloronaphthalene 4-Chlorophenylphenyl ether Chrysene Dibenzo(a,h)anthracene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene Diethyl phthalate Dimethyl phthalate 2,4-Dinitrotoluene 2,6-Dinitrotoluene Di-n-butyl phthalate Di-n-octyl phthalate Fluoranthene	Fluorene Hexachlorobenzene Hexachlorobutadiene Hexachlorocyclopentadiene Hexachloroethane Indeno(1,2,3-cd)pyrene Isophorone Naphthalene Nitrobenzene N-Nitrodimethyl amine N-Nitrosodi-n-propylamine Phenanthrene Pyrene 1,2,4-Trichlorobenzene	1mL	502049
EPA 8270 Phenols Mix	18 analytes, 2000µg/mL each in isopropanol 2-sec-Butyl-4,6-dinitrophenol (Dinoseb) 4-Chloro-3-methylphenol 2-Chlorophenol 2,4-Dichlorophenol 2,6-Dichlorophenol 2,4-Dimethylphenol	2,4-Dinitrophenol 2-Methyl-4,6-dinitrophenol 2-Methylphenol 3-Methylphenol 4-Methylphenol 2-Nitrophenol	4-Nitrophenol Pentachlorophenol Phenol 2,3,4,6-Tetrachlorophenol 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol	1mL	47377
EPA 8270 Phenols Mix 2	8 analytes, 2000µg/mL each in methylene chloride 2-Methylphenol 3-Methylphenol 4-Methylphenol	Hexachlorophene 2,4,5-Trichlorophenol 2,3,4,6-Tetrachlorophenol	Dinoseb 2,6-Dichlorophenol	1mL	47909
EPA Phthalate Esters Mix 	6 analytes, 2000µg/mL each in hexane Bis(2-ethylhexyl)phthalate Butyl benzyl phthalate	Diethyl phthalate Dimethyl phthalate	Di-n-butyl phthalate Di-n-octyl phthalate	1mL 1mL	48231 4S8231
EPA 8270 Nitrosamines 9-Component Mix	9 analytes, 2000µg/mL each in methanol N-Nitrosodi-n-butylamine N-Nitrosodiethylamine N-Nitrosodimethylamine	N-Nitrosodi-n-propylamine N-Nitrosodiphenylamine N-Nitrosomethylethylamine	N-Nitrosomorpholine N-Nitrosopiperidine N-Nitrosopyrrolidine	1mL	502138

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Method 8270

Chemical Standards

Environmental Standards Solid Waste, Groundwater Methods

557

MIXES AND SOLUTIONS	COMPOSITION	QTY.	CAT. NO.	PRICE
EPA 8270 Nitrosamines 6-Component Mix	6 analytes, 2000µg/mL each in methanol N-Nitrosodi-n-butylamine N-Nitrosodiethylamine N-Nitrosomorpholine N-Nitrosopyrrolidine	1mL	48489	
EPA Nitrosamines Mix	3 analytes, 2000µg/mL each in methanol N-Nitrosodimethylamine N-Nitrosodiphenylamine N-Nitrosodi-n-propylamine	1mL	48240-U	
EPA 8270 Chlorinated Hydrocarbons Mix	13 analytes, 2000µg/mL each in methylene chloride 2-Chloronaphthalene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene Hexachlorobenzene Hexachlorobutadiene Hexachlorocyclopentadiene Hexachloroethane Hexachloropropene Pentachlorobenzene Pentachloroethane Tetrachlorobenzene 1,2,4-Trichlorobenzene	1mL	47926	
EPA Chlorinated Hydrocarbons Mix	10 analytes, 2000µg/mL each in hexane 2-Chloronaphthalene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene Hexachlorobenzene Hexachlorobutadiene Hexachlorocyclopentadiene	1mL	48229	
EPA 8270 Ethers and Phthalates Mix	11 analytes, 2000µg/mL each in methylene chloride Bis(2-chloroethoxy)methane Bis(2-chloroethyl)ether Bis(2-ethylhexyl)phthalate Bis(2-chloroisopropyl)ether 4-Bromophenylphenyl ether 4-Chlorophenylphenyl ether Diethyl phthalate Dimethyl phthalate Di-n-butyl phthalate Di-n-octyl phthalate Butylbenzyl phthalate	1mL	47643-U	
EPA Haloethers Mix	5 analytes, 2000µg/mL each in hexane Bis(2-chloroethoxy)methane Bis(2-chloroethyl)ether Bis(2-chloroisopropyl)ether 4-Chlorophenylphenyl ether 4-Bromophenylphenyl ether	1mL	48228-U	
EPA Nitroaromatics/Cyclic Ketones Mix	6 analytes, 2000µg/mL each in hexane:acetone (94:6) 1,3-Dinitrobenzene 2,4-Dinitrotoluene 2,6-Dinitrotoluene Isophorone 1,4-Naphthoquinone Nitrobenzene	1mL	48227	
TCL Pesticides Mix SS	18 analytes, 2000µg/mL each in toluene:hexane (50:50) Aldrin α-BHC β-BHC γ-BHC (Lindane) δ-BHC 4,4'-DDD 4,4'-DDE 4,4'-DDT Dieldrin Endosulfan I Endosulfan II Endosulfan sulfate Endrin Endrin aldehyde Endrin ketone Heptachlor Heptachlor epoxide Methoxychlor	1mL 1mL	48913 4S8913	
EPA 8270 Organophosphorus Pesticides Mix	9 analytes, 2000µg/mL each in hexane:acetone (80:20) Dimethoate Disulfoton Famphur Methyl parathion Parathion Phorate Sulfotep Thionazin O,O,O-Triethylphosphorothioate	1mL	48469	
EPA 8270 Organophosphorus Pesticides Mix	9 analytes, 2000µg/mL each in methylene chloride Diethyl 2-pyrazinyl phosphorothioate (thionazin) Dimethoate Disulfoton Famphur Methyl parathion Parathion Phorate Tetraethyl dithiopyrophosphate (Sulfotep) Triethyl phosphorothioate	1mL	47908	
EPA 8270 Base/Neutrals Mix A	10 analytes, 2000µg/mL each in methanol Aniline Benzyl alcohol 4-Chloroaniline Dibenzofuran 2-Methylnaphthalene 2-Naphthylamine 2-Nitroaniline	1mL	48470	
EPA 8270 Base/Neutrals Mix B	8 analytes, 2000µg/mL each in methanol Acetophenone 2-Acetylaminofluorine 4-Aminobiphenyl α,α,α-Dimethylphenethylamine 2-Picoline 1-Naphthylamine Pyridine 5-Nitro- o-toluidine	1mL	48195	
EPA 8270 Base/Neutrals Mix C	10 analytes, 2000µg/mL each in methanol:acetone (90:10) p-Dimethylaminoazobenzene 7,12-Dimethyl- benz(a)anthracene Diphenylamine Hexachloropropylene Methapyrilene HCl * 4-Nitroquinoline-N-oxide Pentachlorobenzene Pentachloronitrobenzene Phenacetin 1,3,5-Trinitrobenzene	1mL	48472	

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* Weight corrected for salt.

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Method 8270
Chemical
Standards

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Environmental Standards

Solid Waste, Groundwater Methods

MIXES AND SOLUTIONS	COMPOSITION	QTY.	CAT. NO.	PRICE
EPA 8270 Base/Neutrals Mix D	10 analytes, 2000µg/mL each in hexane:acetone (80:20) Chlorobenzilate Diallate Ethyl methanesulfonate Isodrin	Isosafrole Kepone 3-Methylcholanthrene	Methyl methanesulfonate Pronamide Safrole	1mL 48478
EPA 8270 Benzidines Mix	3 analytes, 2000µg/mL each in methanol Benzidine	3,3'-Dichlorobenzidine	3,3'-Dimethylbenzidine	1mL 48467
EPA 8270 Herbicide Esters Mix	3 analytes, 2000µg/mL each in hexane 2,4-D methyl ester	Silvexmethyl ester	2,4,5-T methyl ester	1mL 48474
Chlordane	5000µg/mL in methanol			1mL 40089
Toxaphene	2000µg/mL in methanol			1mL 48700-U
Hexachlorophene	5000µg/mL in methanol			1mL 40323
1,4-Phenylenediamine	2000µg/mL in methylene chloride			1mL 48298
PCB Kit 3	7 individual 1mL solutions, 200µg/mL each in methanol Aroclor 1016 Aroclor 1221 Aroclor 1232	Aroclor 1242 Aroclor 1248	Aroclor 1254 Aroclor 1260	48825
TCL PAH Mix SS	16 analytes, 2000µg/mL each in methylene chloride:benzene (50:50) Acenaphthene Acenaphthylene Anthracene Benzo(a)anthracene Benzo(b)fluoranthene Benzo(k)fluoranthene	Benzo(ghi)perylene Benzo(a)pyrene Chrysene Dibenzo(a,h)anthracene Fluoranthene	Fluorene Indeno(1,2,3-cd)pyrene Naphthalene Phenanthrene Pyrene	1mL 1mL 48905-U 4S8905
Internal Standards Semivolatile Internal Standards Mix	6 analytes, 2000µg/mL each in methylene chloride Acenaphthene-d ₁₀ Chrysene-d ₁₂	1,4-Dichlorobenzene-d ₄ Naphthalene-d ₈	Perylene-d ₁₂ Phenanthrene-d ₁₀	1mL 2 x 1mL 46955-U 48902
Semivolatile Internal Standards Mix	6 analytes, 2000µg/mL each in methylene chloride Acenaphthene-d ₁₀ Chrysene-d ₁₂	1,4-Dichlorobenzene-d ₄ Naphthalene-d ₈	Perylene-d ₁₂ Phenanthrene-d ₁₀	25mL 46866-U
Surrogate Standards 8270 Surrogate Mix	6 analytes, 4000µg/mL each component in methylene chloride 2-Fluorobiphenyl 2-Fluorophenol	Nitrobenzene-d ₅ Phenol-d ₆ [▲]	p-Terphenyl-d ₁₄ 2,4,6-Tribromophenol	1mL 47960-U
EPA 8270 Acids Surrogate Spike Mix For sediment/soil samples	3 analytes, 2000µg/mL each in methanol 2-Fluorophenol	Phenol-d ₆ [▲]	2,4,6-Tribromophenol	1mL 48875
EPA 8270 Acids Surrogate Spike Mix HC	3 analytes, 10,000µg/mL each in methanol 2-Fluorophenol	Phenol-d ₆ [▲]	2,4,6-Tribromophenol	1mL 47260-U
EPA 8270 Acids Surrogate Spike Mix For sediment/soil samples	3 analytes, 1000µg/mL each in methanol 2-Fluorophenol	Phenol-d ₆ [▲]	2,4,6-Tribromophenol	1mL 10 x 1mL 47619-U 47419
EPA 8270 Base/Neutrals Surrogate Spike Mix	3 analytes, 1000µg/mL each in methylene chloride 2-Fluorobiphenyl	Nitrobenzene-d ₅	4-Terphenyl-d ₁₄	1mL 48925
EPA 8270 Base/Neutrals Surrogate Spike Mix HC	3 analytes, 5000µg/mL each in methylene chloride 2-Fluorobiphenyl	Nitrobenzene-d ₅	4-Terphenyl-d ₁₄	1mL 47263
EPA 8270 Base/Neutrals Surrogate Spike Mix	3 analytes, 500µg/mL each in methylene chloride 2-Fluorobiphenyl	Nitrobenzene-d ₅	4-Terphenyl-d ₁₄	10 x 1mL 47417
EPA 8080/8270 Pesticide Surrogate Mix For sediment/soil samples	2 analytes, 2000µg/mL each in toluene:hexane (50:50) Dibutyl chlorendate	2,4,5,6-Tetrachloro-m-xylene		1mL 47903

SS Separate Source standards. Prepared from independently sourced raw materials and quality controlled independently.

[▲] This method calls for a phenol-d₆ standard, and phenol-d₆ raw material is used to manufacture this standard. However, phenolic hydrogen exchange occurs naturally, converting phenol-d₆ to phenol-d₅. In analyzing this standard, your system will detect phenol-d₅, not phenol-d₆.

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Chemical
Standards

Method 8270

Environmental Standards Solid Waste, Groundwater Methods

559

MIXES AND SOLUTIONS	COMPOSITION	QTY.	CAT. NO.	PRICE
8270 Matrix Spike Mix	11 analytes at indicated concentrations in methanol Acenaphthene, 1000µg/mL 4-Chloro-3-methylphenol, 1500µg/mL 2-Chlorophenol, 1500µg/mL 1,4-Dichlorobenzene, 1000µg/mL 2,4-Dinitrotoluene, 1000µg/mL 4-Nitrophenol, 1500µg/mL N-Nitrosodi-n-propylamine, 1000µg/mL Pentachlorophenol, 1500µg/mL Phenol, 1500µg/mL Pyrene, 1000µg/mL 1,2,4-Trichlorobenzene, 1000µg/mL	10mL	46854-U	
EPA 8270 Base/Neutrals Matrix Spike Mix	6 analytes in methanol			
For sediment/soil samples	500µg/mL each analyte	10 x 1mL	47421	
For water samples	100µg/mL each analyte	10 x 1mL	47420-U	
For all samples	1000µg/mL each analyte Acenaphthene 1,4-Dichlorobenzene 2,4-Dinitrotoluene N-Nitrosodi-n-propylamine Pyrene 1,2,4-Trichlorobenzene	1mL	502294	
EPA 8270 Acids Matrix Spiking Solution	5 analytes in methanol			
For sediment/soil samples	1000µg/mL each analyte	10 x 1mL	47423	
For water samples	200µg/mL each analyte	10 x 1mL	47422	
For all samples	2000µg/mL each analyte 4-Chloro-3-methylphenol 2-Chlorophenol 4-Nitrophenol Pentachlorophenol Phenol	1mL	502308	
8270 LCS Mix 1	78 analytes, 100µg/mL each in acetone:methylene chloride (90:10) Acenaphthene Acenaphthylene Aniline Anthracene Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene Benzo(g,h,i)perylene Benzo(k)fluoranthene Benzoic acid Benzyl alcohol 4-Bromophenylphenylether Butyl benzyl phthalate Carbazole 4-Chloroaniline 2-Chloronaphthalene Bis(2-chloroethoxy)methane Bis(2-chloroethyl)ether 4-Chloro-3-methylphenol 2-Chlorophenol 4-Chlorophenylphenylether Chrysene Dibenzo(a,h)anthracene Dibenzofuran Di-n-butylphthalate 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 3,3'-Dichlorobenzidine 2,4-Dichlorophenol Diethylphthalate 2,4-Dimethylphenol Dimethylphthalate 1,2-Dinitrobenzene 1,3-Dinitrobenzene 1,4-Dinitrobenzene 4,6-Dinitro-2-methylphenol 2,4-Dinitrophenol 2,4-Dinitrotoluene 2,6-Dinitrotoluene Di-n-octylphthalate 1,2-Diphenylhydrazine Bis(2-ethylhexyl)adipate Bis(2-ethylhexyl)phthalate Fluoranthene Fluorene Hexachlorobenzene Hexachlorobutadiene Hexachlorocyclopentadiene Hexachloroethane Indeno(1,2,3-cd)pyrene Isophorone 1-Methylnaphthalene 2-Methylnaphthalene 2-Methylphenol 3-Methylphenol 4-Methylphenol Naphthalene 2-Nitroaniline 3-Nitroaniline 4-Nitroaniline Nitrobenzene 2-Nitrophenol 4-Nitrophenol N-Nitrosodimethylamine N-Nitrosodiphenylamine N-Nitroso-di-n-propylamine 2,2'-oxybis(1-chloropropane) Pentachlorophenol Phenanthrene Phenol Pyrene Pyridine 2,3,4,6-Tetrachlorophenol 2,3,5,6-Tetrachlorophenol 1,2,4-Trichlorobenzene 1,2,4-Trichlorobenzene 2,4,6-Trichlorophenol	25mL	46853-U	
QC Standards				
8270B System Performance Check Compounds	4 analytes, 1000µg/mL each in methylene chloride 2,4-Dinitrophenol Hexachlorocyclopentadiene N-Nitrosodi-n-propylamine 4-Nitrophenol	1mL	47390-U	
Base/Neutrals Calibration Check Compounds Mix	7 analytes, 2000µg/mL each in methylene chloride Acenaphthene Benzo(a)pyrene 1,4-Dichlorobenzene Di-n-octyl phthalate Fluoranthene Hexachlorobutadiene N-Nitrosodiphenylamine	1mL	48464	
EPA 8270 GC/MS Tuning Solution	3 analytes, 50µg/mL each in methylene chloride Benzidine 4,4'-DDT Pentachlorophenol	4 x 1mL	47415	
EPA 8270 GC/MS Tuning Solution II	4 analytes, 1000µg/mL each in methylene chloride Benzidine 4,4'-DDT DFTPP Pentachlorophenol	1mL	47548-U	

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Method 8270

Chemical Standards

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Environmental Standards

Solid Waste, Groundwater Methods

MIXES AND SOLUTIONS	COMPOSITION	QTY.	CAT. NO.	PRICE
Decafluorotriphenylphosphine (DFTPP)	25,000µg/mL in methylene chloride	1mL	48724-U	
EPA 8270A Acids Calibration Check Compounds SS	6 analytes, 2000µg/mL each in methylene chloride	1mL 1mL	47386 4S7386	
	4-Chloro-3-methylphenol 2,4-Dichlorophenol	2-Nitrophenol Pentachlorophenol	Phenol 2,4,6-Trichlorophenol	
EPA 8270 GC/MS Tuning Solution	4 analytes, 50µg/mL each in methylene chloride	1mL	47387	
	Benidine 4,4'-DDT	Decafluorotriphenylphosphine (DFTPP)	Pentachlorophenol	
EPA 8270 GC/MS Tuning Solution Decafluorotriphenylphosphine (DFTPP)	1000µg/mL in acetone	1mL	47941	
METHOD 8310				
Calibration Standards TCL Polynuclear Aromatic Hydrocarbons Mix	16 analytes at indicated concentrations in acetonitrile:methanol (90:10)	1mL	49156	
	Acenaphthene, 1000µg/mL Acenaphthylene, 500µg/mL Anthracene, 20µg/mL Benzo(a)anthracene, 50µg/mL Benzo(b)fluoranthene, 20µg/mL Benzo(k)fluoranthene, 20µg/mL	Benzo(ghi)perylene, 80µg/mL Benzo(a)pyrene, 50µg/mL Chrysene, 50µg/mL Dibenzo(a,h)anthracene, 200µg/mL Fluoranthene, 50µg/mL	Fluorene, 100µg/mL Indeno(1,2,3-cd)pyrene, 50µg/mL Naphthalene, 500µg/mL Phenanthrene, 40µg/mL Pyrene, 100µg/mL	
Polynuclear Aromatic Hydrocarbons Mix	18 analytes, 2000µg/mL each in benzene:methylene chloride (50:50)	1mL	47543-U	
	Acenaphthene Acenaphthylene Anthracene Benzo(a)anthracene Benzo(b)fluoranthene Benzo(k)fluoranthene	Benzo(ghi)perylene Benzo(a)pyrene Chrysene Dibenz(a,h)anthracene Fluorene Fluoranthene	Indeno(1,2,3-cd)pyrene α-Methylnaphthalene 2-Methylnaphthalene Naphthalene Pyrene Phenanthrene	
Surrogate Standards Decachlorobiphenyl	200µg/mL in acetone	1mL	48318	
METHOD 8330				
Calibration Standards EPA 8330 Mix A	8 explosives, each at 100µg/mL in acetonitrile	1mL	47283	
	2-Amino-4,6-dinitro toluene 1,3-Dinitrobenzene 2,4-Dinitrotoluene	HMX Nitrobenzene RDX	1,3,5-Trinitrobenzene 2,4,6-Trinitrotoluene	
EPA 8330 Mix B	6 explosives, each at 100µg/mL in acetonitrile	1mL	47284	
	4-Amino-2,6-dinitrotoluene 2,6-Dinitrotoluene	2-Nitrotoluene 3-Nitrotoluene	4-Nitrotoluene Tetryl	
Single Component Standards				
2-Amino-4,6-dinitrotoluene	1000µg/mL in acetonitrile	1mL	47749-U	
4-Amino-2,6-dinitrotoluene	1000µg/mL in acetonitrile	1mL	47750	
1,3-Dinitrobenzene	1000µg/mL in acetonitrile	1mL	47746-U	
2,4-Dinitrotoluene	1000µg/mL in acetonitrile	1mL	47747	
2,6-Dinitrotoluene	1000µg/mL in acetonitrile	1mL	47748-U	
HMX	1000µg/mL in acetonitrile	1mL	47236	
Nitrobenzene	1000µg/mL in acetonitrile	1mL	47239	
2-Nitrotoluene	1000µg/mL in acetonitrile	1mL	47240	
3-Nitrotoluene	1000µg/mL in acetonitrile	1mL	47241	
4-Nitrotoluene	1000µg/mL in acetonitrile	1mL	47242	
RDX	1000µg/mL in acetonitrile	1mL	47237	
Tetryl	1000µg/mL in acetonitrile	1mL	47238	
1,3,5-Trinitrobenzene	1000µg/mL in acetonitrile	1mL	47243	
2,4,6-Trinitrotoluene	1000µg/mL in acetonitrile	1mL	47244	
EPA 8330 Energetic Materials Kit	14 individually packaged 1mL solutions at 1000µg/mL in acetonitrile		47245	
	2-Amino-4,6-dinitrotoluene 4-Amino-2,6-dinitrotoluene 1,3-Dinitrobenzene 2,4-Dinitrotoluene 2,6-Dinitrotoluene	HMX Nitrobenzene 2-Nitro toluene 3-Nitro toluene 4-Nitrotoluene	RDX Tetryl 1,3,5-Trinitrobenzene 2,4,6-Trinitrotoluene	

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■ For alternate tuning solutions, see our listing of Method 625 standards.

▲ HMX, RDX, and tetryl are shipped in separate containers as required under US Federal Department of Transportation guidelines.

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Methods 8270-8330

US EPA Contract Laboratory Program Methods

Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Superfund Act.

US EPA Contract Laboratory Program (CLP) methods are analytical methods for identifying and quantifying organic compounds on the EPA's Target Compound List (TCL) in groundwater, sediment, and soil samples at abandoned hazardous waste sites.

The following analytical reference standards are specifically designed for monitoring organic chemicals on the US EPA's Target Compound List in water, sediment or soil from hazardous waste sites, per methods developed by the Environmental Monitoring System Laboratory in Las Vegas (EMSL-LV), under authority of the Superfund Amendments Reauthorization Act (SARA).

Data Packets – Free of Charge

Our data packets meet US EPA requirements specified in the March 1990 and subsequent CLP Statements of Work. Each packet documents the rigorous analytical methods we use to verify a raw material's identity and purity, and provides certification and final concentration accuracy. All data packets are free of charge.

MIXES AND SOLUTIONS	COMPOSITION		QTY.	CAT. NO.	PRICE
OLM04 STATEMENT OF WORK					
EPA CLP Volatile Mix 1	36 analytes, 1000µg/mL each in methanol Acetone Benzene Bromodichloromethane Bromoform Bromomethane 2-Butanone Carbon disulfide Carbon tetrachloride Chlorobenzene Chloroethane Chloroform Chloromethane	Dibromochloromethane 1,1-Dichloroethane 1,2-Dichloro ethane 1,1-Dichloroethene cis-1,2-Dichloroethene trans-1,2-Dichloroethene 1,2-Dichloropropane cis-1,3-Dichloropropene trans-1,3-Dichloropropene Ethylbenzene 2-Hexanone 4-Methyl-2-pentanone	Methylene chloride Styrene 1,1,2,2-Tetrachloroethane Tetrachloroethene Toluene 1,1,1-Trichloroethane 1,1,2-Trichloroethane Trichloroethene Vinyl chloride m-Xylene o-Xylene p-Xylene	1mL	47547-U
EPA CLP SOW OLM04 Volatiles Mix 2	14 analytes, 2000µg/mL each in methanol Cyclohexane 1,2-Dibromo-3-chloropropane 1,2-Dibromoethane 1,2-Dichlorobenzene 1,3-Dichlorobenzene	1,4-Dichlorobenzene Dichlorodifluoromethane Freon 113 Isopropylbenzene (Cumene) Methyl acetate	Methyl cyclohexane Methyl tert-butyl ether 1,2,4-Trichlorobenzene Trichlorofluoromethane	1mL	47513-U
VOA Internal Standard Mix	3 analytes, 1000µg/mL each in methanol Bromochloromethane	Chlorobenzene-d ₅	1,4-Difluorobenzene	1mL	48835
VOA Surrogate Spike Mix	3 analytes, 1000µg/mL each in methanol 4-Bromofluorobenzene	1,2-Dichloroethane-d ₄	Toluene-d ₈	1mL	48101
CLP OLM04 Volatiles Calibration Kit	each of the following products Mix 1 (47547-U) Mix 4 (48101)	Mix 2 (47513-U)	Mix 3 (48835)		46820-U
CLP Semivolatiles Calibration Mix 1	64 analytes, 1000µg/mL each in methylene chloride:benzene (75:25) Acenaphthene Acenaphthylene Anthracene Azobenzene Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene Benzo(ghi)perylene Benzo(k)fluoranthene Butyl benzyl phthalate Bis(2-chloroethoxy)methane Bis(2-chloroethyl) ether Bis(2-Chloroisopropyl) ether Bis(2-ethylhexyl) phthalate 4-Bromophenylphenyl ether Carbazole 4-Chloroaniline 2-Chloronaphthalene 4-Chloro-3-methyl phenol 2-Chlorophenol 4-Chlorophenyl phenyl ether Chrysene	Dibenzo(a,h)anthracene Dibenzofuran Di-n-butyl phthalate 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 2,4-Dichlorophenol Diethyl phthalate 2,4-Dimethylphenol 4,6-Dinitro-2-methylphenol 2,4-Dinitrophenol Dimethyl phthalate 2,4-Dinitrotoluene 2,6-Dinitrotoluene Di-n-octyl phthalate Fluoranthene Fluorene Hexachlorobenzene Hexachlorobutadiene Hexachlorocyclopentadiene Hexachloroethane	Indeno(1,2,3-cd)pyrene Isophorone 2-Methylnaphthalene 2-Methylphenol 4-Methylphenol Naphthalene 2-Nitroaniline 3-Nitroaniline 4-Nitroaniline Nitrobenzene 2-Nitrophenol 4-Nitrophenol N-Nitrosodimethylamine N-Nitrosodi-n-propylamine Pentachlorophenol Phenanthrene Phenol Pyrene 1,2,4-Trichlorobenzene 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol	1mL	506508

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CLP Standards

MIXES AND SOLUTIONS	COMPOSITION	QTY.	CAT. NO.	PRICE
3,3'-Dichlorobenzidine	2000µg/mL in methanol	1mL	48029	
N-Nitrosodiphenylamine	5000µg/mL in methanol	1mL	40060	
EPA CLP SOW OLM04 Semi-Volatile Mix	7 analytes, 2000µg/mL each in methylene chloride Analyte 1 Analyte 2 Analyte 3 Analyte 4 Analyte 5 Analyte 6 Analyte 7	1mL	47514-U	
Semivolatile Internal Standards Mix 5	6 analytes, 2000µg/mL each in methylene chloride 1,4-Dichlorobenzene-d4 Chrysene-d12 Perylene-d12 Acenaphthene-d10 Naphthalene-d8 Phenanthrene-d10	1mL	46955-U	
CLP Semivolatiles Surrogate Standards Mix 6	8 analytes, 4000µg/mL each in methylene chloride 1,2-Dichlorobenzene-d4 2-Chlorophenol-d4 2-Fluorophenol p-Terphenyl-d14 2,4,6-Tribromophenol 2-Fluorobiphenyl Nitro benzene-d5 Phenol-d6	1mL	46824-U	
CLP OLM04 Semivolatiles Calibration Kit	each of the following products Mix 1 (506508, prev. page) Mix 2 (48029) Mix 3 (40060) Mix 4 (47514-U) Mix 5 (46955-U) Mix 6 (46824-U)		46822-U	
Pesticide Standard Mix A-1	11 analytes at stated concentrations in hexane:toluene (99:1) α-BHC, 0.5µg/mL Decachlorobiphenyl, 1µg/mL Heptachlor, 0.5µg/mL γ-BHC, 0.5µg/mL Dieldrin, 1µg/mL Methoxychlor, 5µg/mL 4,4'-DDD, 1µg/mL Endosulfan I, 0.5µg/mL 2,4,5,6-Tetrachloro-m-xylene, 4,4'-DDT, 1µg/mL Endrin, 1µg/mL 0.5µg/mL	1mL	47977	
Pesticide Standard Mix B-1	13 analytes at stated concentrations in hexane:toluene (99.5:0.5) Aldrin, 0.5µg/mL 4,4'-DDE, 1µg/mL Endrin ketone, 1µg/mL β-BHC, 0.5µg/mL Decachlorobiphenyl, 1µg/mL Heptachlor epoxide (isomer B), δ-BHC, 0.5µg/mL Endosulfan II, 1µg/mL 0.5µg/mL α-Chlordane, 0.5µg/mL Endosulfan sulfate, 1µg/mL 2,4,5,6-Tetrachloro-m- xylene, γ-Chlordane, 0.5µg/mL Endrin aldehyde, 1µg/mL 0.5µg/mL	1mL	47978	
Pesticide Performance Evaluation Mix A	8 analytes at stated concentrations in hexane:toluene (99:1) α-BHC, 1µg/mL 4,4'-DDT, 10µg/mL Methoxychlor, 25µg/mL β-BHC, 1µg/mL Decachlorobiphenyl, 2µg/mL Tetrachloro-m-xylene, 2µg/mL γ-BHC, 1µg/mL Endrin, 5µg/mL	1mL	47975	
Pesticide Resolution Check Mix A	9 analytes at stated concentrations in hexane:toluene (99:1) γ-Chlordane, 1µg/mL 4,4'-DDE, 2µg/mL Decachlorobiphenyl, 2µg/mL Dieldrin, 2µg/mL Endosulfan I, 1µg/mL Endosulfan sulfate, 2µg/mL Endrin ketone, 2µg/mL Methoxychlor, 10µg/mL 2,4,5,6-Tetrachloro-m- xylene, 2µg/mL	1mL	47976	
Pesticide Surrogate Spike Mix	2 analytes, 200µg/mL each in acetone Decachlorobiphenyl 2,4,5,6-Tetrachloro-m-xylene	1mL	48460	
Toxaphene	1000µg/mL in isoctane	1mL	48103	
Aroclor 1016 RDaR	1000µg/mL in isoctane	1mL	48097	
Aroclor 1221 RDaR	1000µg/mL in isoctane	1mL	48098	
Aroclor 1232 RDaR	1000µg/mL in isoctane	1mL	44805	
Aroclor 1242 RDaR	1000µg/mL in isoctane	1mL	44806	
Aroclor 1248 RDaR	1000µg/mL in isoctane	1mL	44807	
Aroclor 1254 RDaR	1000µg/mL in isoctane	1mL	44808	
Aroclor 1260 RDaR	1000µg/mL in isoctane	1mL	44809	
CLP OLM04 Pesticides/PCB Calibration Kit	each of the following products Mix 1 (47977) Mix 2 (47978) Mix 3 (47975) Mix 4 (47976) Mix 5 (48460) Mix 6 (48103) Mix 7 (48097) Mix 8 (48098) Mix 9 (44805) Mix 10 (44806) Mix 11 (44807) Mix 12 (44808) Mix 13 (44809)		46823-U	

FEB. '88 STATEMENT OF WORK

Volatiles				
VOA Surrogate Spike Mix	3 analytes, 250µg/mL each in methanol 4-Bromofluorobenzene 1,2-Dichloroethane-d ₄ Toluene-d ₈	1mL	48876	
VOA Matrix Spike Mix	5 analytes, 250µg/mL each in methanol Benzene 1,1-Dichloroethene Trichloroethene Chlorobenzene Toluene	1mL	48399	

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563

MIXES AND SOLUTIONS	COMPOSITION	QTY.	CAT. NO.	PRICE
Vinyl acetate	5000µg/mL in acetonitrile	1mL	40327	
Semivolatiles				
Internal Standard Mix 5	6 analytes, 2000µg/mL each in methylene chloride 1,4-Dichlorobenzene-d4 Chrysene-d12 Perylene-d12 Acenaphthene-d10 Naphthalene-d8 Phenanthrene-d10	1mL	46955-U	
Acids Surrogate Spike Mix	3 analytes, 2000µg/mL each in methanol 2-Fluorophenol Phenol-d ₅ 2,4,6-Tribromophenol	1mL	48875	
Base/Neutrals Surrogate Spike Mix	3 analytes, 1000µg/mL each in methylene chloride 2-Fluorobiphenyl Nitrobenzene-d ₅ 4-Terphenyl-d ₄	1mL	48925	
Base/Neutrals Calibration Check Compounds Mix	7 analytes, 2000µg/mL each in methylene chloride Acenaphthene Di-n-octyl phthalate Hexachlorobutadiene Benzo(a)pyrene Fluoranthene N-Nitrosodiphenylamine 1,4-Dichlorobenzene	1mL	48464	
Pesticides/PCBs				
Dibutyl chlorendate	200µg/mL in acetonitrile	1mL	48129	
MAR. '90, DEC. '90, AUG. '91 STATEMENTS OF WORK				
Volatiles				
CLP Volatiles Calibration Mix A	33 analytes, 2000µg/mL each in methanol Benzene 1,3-Dichlorobenzene Methylene chloride Bromochloromethane 1,4-Dichlorobenzene Styrene Bromodichloromethane 1,1-Dichloro ethane 1,1,2,2-Tetrachloroethane Bromoform 1,2-Dichloroethane Tetrachloroethene Carbon tetrachloride 1,1-Dichloroethene Toluene Chlorobenzene cis-1,2-Dichloroethene 1,1,1-Trichloroethane Chlorodibromomethane trans-1,2-Dichloroethene 1,1,2-Trichloroethane Chloroform 1,2-Dichloropropane Tri chloroethene 1,2-Dibromo-3-chloropropane cis-1,3-Dichloropropene m-Xylene 1,2-Dibromoethane trans-1,3-Dichloropropene o-Xylene 1,2-Dichlorobenzene Ethylbenzene p-Xylene	1mL	47566-U	
EPA Purgeable C	4 analytes, 2000µg/mL each in methanol Bromomethane Chloroethane Vinyl chloride Chloromethane	1mL	48057-U	
TCL Volatiles Mix 1 SS	4 analytes, 2000µg/mL each in methanol:water (90:10) Acetone 2-Hexanone 4-Methyl-2-pentanone 2-Butanone	1mL 1mL	48949 4S8949	
Carbon disulfide	5000µg/mL in methanol	1mL	40363	
Vinyl acetate	Neat	1000mg	48486	
TCL Volatiles Mix 1 SS	4 analytes, 2000µg/mL each in methanol:water (90:10) Acetone 2-Hexanone 4-Methyl-2-pentanone 2-Butanone	1mL 1mL	48949 4S8949	
TCL Volatiles Mix 2 SS	6 analytes, 2000µg/mL each in methanol Bromoform Chloroform 1,1,2-Trichloroethane Carbon tetrachloride 1,1-Dichloroethane Trichloroethylene	1mL 1mL	48452 4S8452	
TCL Volatiles Mix 3 SS	7 analytes, 2000µg/mL each in methanol 1,2-Dichloroethane Ethylbenzene 1,1,1-Trichloroethane cis-1,3-Dichloropropene Tetrachloroethene p-Xylene trans-1,3-Dichloropropene	1mL 1mL	48453 4S8453	
TCL Volatiles Mix 4 SS	8 analytes, 2000µg/mL each in methanol Benzene Styrene m-Xylene Chlorobenzene 1,1,2,2-Tetrachloroethane o-Xylene 1,2-Dichloropropane Toluene	1mL 1mL	48957 4S8957	
TCL Volatiles Mix 5 SS	10 analytes, 2000µg/mL each in methanol Bromodichloromethane Dibromochloromethane trans-1,2-Dichloroethene Bromomethane 1,1-Dichloroethylene Methylene chloride Chloroethane cis-1,2-Dichloroethene Vinyl chloride Chloromethane	1mL 1mL	48455 4S8455	

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MIXES AND SOLUTIONS	COMPOSITION	QTY.	CAT. NO.	PRICE
Carbon disulfide	5000µg/mL in methanol	1mL	40363	
Vinyl acetate	5000µg/mL in acetonitrile	1mL	40327	
VOA Calibration Standards Kit	1mL of each of the following products TCL Volatiles Mix 1 (48949) TCL Volatiles Mix 4 (48957) Carbon disulfide (40363) TCL Volatiles Mix 2 (48452) TCL Volatiles Mix 5 (48455) Vinyl acetate (40327) TCL Volatiles Mix 3 (48453)		48115	
CLP VOA Internal Standard Spiking Solution	3 analytes, 2000µg/mL each in methanol Chlorobenzene-d ₅ 1,4-Difluorobenzene 1,4-Dichlorobenzene-d ₄	1mL	47568-U	
VOA Internal Standard Mix	3 analytes, 1000µg/mL each in methanol Bromochloromethane Chlorobenzene-d ₅ 1,4-Difluorobenzene	1mL	48835	
VOA Surrogate Spike Mix	3 analytes, 1000µg/mL each in methanol 4-Bromofluorobenzene 1,2-Dichloroethane-d ₄ Toluene-d ₈	1mL	48101	
VOA Matrix Spike Mix	5 analytes, 1000µg/mL each in methanol Benzene 1,1-Dichloroethene Trichloroethylene Chlorobenzene Toluene	1mL	48102	
VOA Extract Screening Mix 1	5 analytes, 1000µg/mL each in methanol Benzene Toluene p-Xylene Ethylbenzene o-Xylene	1mL	48247-U	
4-Bromofluorobenzene	2000µg/mL in methanol	1mL	48083	
EPA CLP SOW OLM04 Volatiles Mix	14 analytes, 2000µg/mL each in methanol Cyclohexane 1,4-Dichlorobenzene Methyl cyclohexane 1,2-Dibromo-3-chloropropane Dichlorodifluoromethane Methyl tert-butyl ether 1,2-Dibromoethane Freon 113 1,2,4-Trichlorobenzene 1,2-Dichlorobenzene Isopropylbenzene (Cumene) Trichlorofluoromethane 1,3-Dichlorobenzene Methyl acetate	1mL	47513-U	
Semivolatiles				
CLP Semivolatile Calibration Mix Without pesticides	64 analytes, 1000µg/mL each in methylene chloride:benzene (3:1)	1mL	506508	
	Acenaphthene Dibenzo(a,h)anthracene Indeno(1,2,3-cd)pyrene Acenaphthylene Dibenzofuran Isophorone Anthracene Di-n-butyl phthalate 2-Methylnaphthalene Azobenzene 1,2-Dichlorobenzene 2-Methylphenol Benzo(a)anthracene 1,3-Dichlorobenzene 4-Methylphenol Benzo(a)pyrene 1,4-Dichlorobenzene Naphthalene Benzo(b)fluoranthene 2,4-Dichlorophenol 2-Nitroaniline Benzo(ghi)perylene Diethyl phthalate 3-Nitroaniline Benzo(k)fluoranthene 2,4-Dimethylphenol 4-Nitroaniline Butyl benzyl phthalate 4,6-Dinitro-2-methylphenol Nitrobenzene Bis(2-chloroethoxy)methane 2,4-Dinitrophenol 2-Nitrophenol Bis(2-chloroethyl) ether Dimethyl phthalate 4-Nitrophenol Bis(2-Chloroisopropyl) ether 2,4-Dinitrotoluene N-Nitrosodimethylamine Bis(2-ethylhexyl) phthalate 2,6-Dinitrotoluene N-Nitrosodi-n-propylamine 4-Bromophenylphenyl ether Di-n-octyl phthalate Pentachlorophenol Carbazole Fluoranthene Phenanthrene 4-Chloroaniline Fluorene Phenol 2-Chloronaphthalene Hexachlorobenzene Pyrene 4-Chloro-3-methyl phenol Hexachlorobutadiene 1,2,4-Trichlorobenzene 2-Chlorophenol Hexachlorocyclopentadiene 2,4,5-Trichlorophenol 4-Chlorophenyl phenyl ether Hexachloroethane 2,4,6-Trichlorophenol Chrysene			
TCL Benzidines Mix	2 analytes, 2000µg/mL each in methanol Benzidine 3,3'-Dichlorobenzidine	1mL 1mL	48906 4S8906	

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565

MIXES AND SOLUTIONS	COMPOSITION	QTY.	CAT. NO.	PRICE
N-Nitrosodiphenylamine	5000µg/mL in methanol	1mL	40060	
Benzoic acid	2000µg/mL in methylene chloride	1mL	47508-U	
Benzyl alcohol	2000µg/mL in methylene chloride	1mL	47509-U	
TCL Semivolatile Calibration Kit	1mL of each of the following products CLP Semivolatile Calibration Mix (506508) TCL Benzidines Mix (48906)			47346-U
	N-Nitrosodiphenylamine (40060) Benzyl alcohol (47509-U) Benzoic acid (47508-U)			
TCL Phenols Mix S S	11 analytes, 2000µg/mL each in methylene chloride	1mL	48904	
	4-Chloro-3-methylphenol 2,4-Dinitrophenol Pentachlorophenol 2-Chlorophenol 2-Methyl-4,6-dinitrophenol Phenol 2,4-Dichlorophenol 2-Nitrophenol 2,4,6-Trichlorophenol 2,4-Dimethylphenol 4-Nitrophenol	1mL	4S8904	
TCL Polynuclear Aromatic Hydrocarbons Mix S S	16 analytes, 2000µg/mL each in methylene chloride:benzene (50:50)	1mL	48905-U	
	Acenaphthene Acenaphthylene Anthracene Benzo(a)anthracene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(ghi)perylene Benzo(a)pyrene Chrysene Dibenzo(a,h)anthracene Fluoranthene	1mL	4S8905	
	Fluorene Indeno(1,2,3-cd)pyrene Naphthalene Phenanthrene Pyrene			
TCL Benzidines Mix S S	2 analytes, 2000µg/mL each in methanol	1mL	48906	
	Benzidine 3,3'-Dichlorobenzidine	1mL	4S8906	
Semivolatiles TCL Hazardous Substances Mix 1 S S	4 analytes, 2000µg/mL each in methylene chloride	1mL	48907	
	Benzoic acid 2-Methylphenol 4-Methylphenol 2,4,5-Trichlorophenol	1mL	4S8907	
TCL Hazardous Substances Mix 2 S S	8 analytes, 2000µg/mL each in methylene chloride	1mL	48908	
	Aniline Benzyl alcohol 4-Chloroaniline Dibenzofuran 2-Methylnaphthalene 2-Nitroaniline 3-Nitroaniline 4-Nitroaniline	1mL	4S8908	
TCL Base/Neutrals Mix 1 S S	14 analytes, 2000µg/mL each in methylene chloride	1mL	48900-U	
	Bis(2-chloroethoxy)methane Bis(2-chloroethyl)ether Bis(2-chloroisopropyl)ether Bis(2-ethylhexyl)phthalate 4-Bromophenylphenyl ether Butyl benzyl phthalate 4-Chlorophenylphenyl ether Diethyl phthalate Dimethyl phthalate Di-n-butyl phthalate Di-n-octyl phthalate N-Nitrosodimethylamine N-Nitrosodi-n-propylamine N-Nitrosodiphenylamine	1mL	4S8900	
TCL Base/Neutrals Mix 2 S S	15 analytes, 2000µg/mL each in methylene chloride	1mL	48120-U	
	Azobenzene Carbazole 2-Chloronaphthalene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 2,4-Dinitrotoluene 2,6-Dinitrotoluene Hexachlorobenzene Hexachlorobutadiene Hexachlorocyclopentadiene Hexachloroethane Isophorone Nitrobenzene 1,2,4-Trichlorobenzene	1mL	4S8120	
Semivolatiles Calibration Standards Kit S S	1mL of each of the following products TCL Phenols Mix (48904) TCL Hazardous Substances Mix 1 (48907) TCL Polynuclear Aromatic Hydrocarbons Mix (48905-U) TCL Hazardous Substances Mix 2 (48908)			48118 4S8118
	TCL Benzidines Mix (48906) TCL Base/Neutrals Mix 1 (48900-U) TCL Base/Neutrals Mix 2 (48120-U)			
TCL Calibration Standards Kit	1mL of each of the following products TCL Phenols Mix (48904) TCL Base/Neutrals Mix 2 (48120-U) TCL Hazardous Substances Mix 2 (48908) TCL Base/Neutrals Mix 1 (48900-U) TCL Hazardous Substances Mix 1 (48907)			48909
	TCL Polynuclear Aromatic Hydrocarbons Mix (48905-U) TCL Pesticides Mix (48913) TCL Benzidines Mix (48906) Semivolatile Internal Standard Mix, 2 x 1mL (48902)			

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CLP Standards

MIXES AND SOLUTIONS	COMPOSITION	QTY.	CAT. NO.	PRICE
Semivolatile Base/Neutrals Surrogate Spike Mix	4 analytes in methylene chloride 1000µg/mL each analyte 5000µg/mL each analyte 1,2-Dichlorobenzene-d ₄ Nitrobenzene-d ₅ 4-Terphenyl-d ₁₄ 2-Fluorobiphenyl	1mL 1mL	48935 47262	
Semivolatile Acids Surrogate Spike Mix	4 analytes in methanol 2000µg/mL each analyte 10,000µg/mL each analyte 2-Chlorophenol-d ₄ Phenol-d ₆ [▲] 2,4,6-Tribromophenol 2-Fluorophenol	1mL 1mL	48939 47261	
8270 Matrix Spike Mix	11 analytes at indicated concentrations in methanol Acenaphthene, 1000µg/mL N-Nitrosodi-n-propylamine, 1000µg/mL 4-Chloro-3-methylphenol, 1500µg/mL Pentachlorophenol, 1500µg/mL 2-Chlorophenol, 1500µg/mL Phenol, 1500µg/mL 1,4-Dichlorobenzene, 1000µg/mL Pyrene, 1000µg/mL 2,4-Dinitrotoluene, 1000µg/mL 1,2,4-Trichlorobenzene, 1000µg/mL 4-Nitrophenol, 1500µg/mL	10mL	46854-U	
Semivolatile Base/Neutrals Matrix Spike Mix A	6 analytes, 1000µg/mL each in methanol Acenaphthene 2,4-Dinitrotoluene Pyrene 1,4-Dichlorobenzene N-Nitrosodi-n-propylamine 1,2,4-Trichlorobenzene	1mL	48100-U	
Semivolatile Base/Neutrals Matrix Spike Mix B	6 analytes, 1000µg/mL each in methylene chloride Acenaphthene 2,4-Dinitrotoluene Pyrene 1,4-Dichlorobenzene N-Nitrosodi-n-propylamine 1,2,4-Trichlorobenzene	1mL	48869	
Semivolatile Acids Matrix Spike Mix	5 analytes, 2000µg/mL each in methanol 4-Chloro-3-methylphenol 4-Nitrophenol Pentachlorophenol 2-Chlorophenol Phenol	1mL	48878	
GPC Calibration Mix A	3 analytes at indicated concentrations in methylene chloride Bis(2-ethylhexyl)phthalate, Methoxychlor, 200µg/mL Perylene, 20µg/mL 1000µg/mL	1mL	48424	
Decafluorotriphenylphosphine	2000µg/mL in methylene chloride	1mL	48082	
HC Semivolatile Internal Standards Mix	6 analytes, 4000µg/mL each in methylene chloride:benzene (50:50) Acenaphthene-d ₁₀ 1,4-Dichlorobenzene-d ₄ Perylene-d ₂ Chrysene-d ₁₂ Naphthalene-d ₈ Phenanthrene-d ₁₀	1mL	47906	
Semivolatile Internal Standards Mix	6 analytes, 2000µg/mL each in methylene chloride Acenaphthene-d ₁₀ 1,4-Dichlorobenzene-d ₄ Perylene-d ₂ Chrysene-d ₁₂ Naphthalene-d ₈ Phenanthrene-d ₁₀	1mL 2mL 25mL	46955-U 48902 46866-U	
TCL Phenols/Benzidines Mix	13 analytes, 2000µg/mL each in methylene chloride Benzidine 2,4-Dimethylphenol 4-Nitrophenol 4-Chloro-3-methylphenol 4,6-Dinitro-o-cresol Pentachlorophenol 2-Chlorophenol 2,4-Dinitrophenol Phenol 3,3'-Dichlorobenzidine 2-Nitrophenol 2,4,6-Trichlorophenol 2,4-Dichlorophenol	1mL	47992-U	
TCL Hazardous Substances Mix	12 analytes, 2000µg/mL each in methylene chloride Aniline o-Cresol 2-Nitroaniline Benzoic acid p-Cresol 3-Nitroaniline Benzyl alcohol Dibenzofuran 4-Nitroaniline 4-Chloroaniline 2-Methylnaphthalene 2,4,5-Trichlorophenol	1mL	47990-U	
TCL Base/Neutrals Mix	29 analytes, 2000µg/mL each in methylene chloride Azobenzene 1,2-Dichlorobenzene Hexachlorobutadiene Bis(2-chloroethoxy)methane 1,3-Dichlorobenzene Hexachlorocyclopentadiene Bis(2-chloroethyl)ether 1,4-Dichlorobenzene Hexachloroethane Bis(2-chloroisopropyl)ether Diethyl phthalate Isophorone Bis(2-ethylhexyl)phthalate Dimethyl phthalate Nitrobenzene 4-Bromophenylphenyl ether 2,4-Dinitrotoluene N-Nitrosodimethylamine Butyl benzyl phthalate 2,6-Dinitrotoluene N-Nitrosodi-n-propylamine Carbazole Di-n-butyl phthalate N-Nitrosodiphenylamine 2-Chloronaphthalene Di-n-octyl phthalate 1,2,4-Trichlorobenzene 4-Chlorophenylphenyl ether Hexachlorobenzene	1mL	47991-U	

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▲ Phenolic hydrogen exchange occurs naturally, converting phenol-d₆ to phenol-d₅. In analyzing this standard, your system will detect phenol-d₅, not phenol-d₆.

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Standards

Environmental Standards

CLP Standards

567

MIXES AND SOLUTIONS	COMPOSITION	QTY.	CAT. NO.	PRICE
8270/625/CLP/Appendix IX Semivolatle Calibration Mix	44 analytes, 1000µg/mL each in methylene chloride:benzene (3:1) Acenaphthene Carbazole Fluorene Acenaphthylene 2-Chloronaphthalene Hexachlorobenzene Anthracene 4-Chlorophenylphenyl ether Hexachlorobutadiene Azobenzene Chrysene Hexachlorocyclopentadiene Benzo(a)anthracene Dibenz(a,h)anthracene Hexachloroethane Benzo(b)fluoranthene 1,2-Dichlorobenzene Indeno(1,2,3-cd)pyrene Benzo(k)fluoranthene 1,3-Dichlorobenzene Isophorone Benzo(g,h,i)perylene 1,4-Dichlorobenzene Naphthalene Benzo(a)pyrene Diethyl phthalate Nitrobenzene Bis(2-chloroethoxy)methane Dimethyl phthalate N-Nitrosodimethyl amine Bis(2-chloroethyl)ether 2,4-Dinitrotoluene N-Nitrosodi-n-propylamine Bis(2-chloroisopropyl)ether 2,6-Dinitrotoluene Phenanthrene Bis(2-ethylhexyl)phthalate Di-n-butyl phthalate Pyrene 4-Bromophenyl phenyl ether Di-n-octyl phthalate 1,2,4-Trichlorobenzene Butyl benzyl phthalate Fluoranthene	1mL	502049	
EPA CLP SOW OLM04 Semivolatiles Mix	5 analytes, 2000µg/mL each in methylene chloride Acetophenone Benzaldehyde Caprolactam Atrazine Biphenyl	1mL	47514-U	
Pesticides/PCBs CLP Organochlorine Pesticides Mix	20 analytes, 2000µg/mL each in hexane:toluene (50:50) Aldrin 4,4'-DDD Endrin α-BHC 4,4'-DDE Endrin aldehyde β-BHC 4,4'-DDT Endrin ketone γ-BHC Dieldrin Heptachlor δ-BHC Endosulfan I Heptachlor epoxide isomer B α-Chlordane Endosulfan II Methoxychlor γ-Chlordane Endosulfan sulfate	1mL	47426-U	
TCL Pesticides Mix SS	18 analytes, 2000µg/mL each in toluene:hexane (50:50) Aldrin 4,4'-DDE Endrin α-BHC 4,4'-DDT Endrin aldehyde β-BHC Dieldrin Endrin ketone γ-BHC (Lindane) Endosulfan I Heptachlor δ-BHC Endosulfan II Heptachlor epoxide 4,4'-DDD Endosulfan sulfate Methoxychlor	1mL 1mL	48913 4S8913	
Toxaphene	1000µg/mL in isooctane	1mL	48103	
Chlordane	1000µg/mL in isooctane	1mL	48065-U	
Aroclor 1016	1000µg/mL in isooctane	RDaR 1mL	48097	
Aroclor 1221	1000µg/mL in isooctane	RDaR 1mL	48098	
Aroclor 1232	1000µg/mL in isooctane	RDaR 1mL	44805	
Aroclor 1242	1000µg/mL in isooctane	RDaR 1mL	44806	
Aroclor 1248	1000µg/mL in isooctane	RDaR 1mL	44807	
Aroclor 1254	1000µg/mL in isooctane	RDaR 1mL	44808	
Aroclor 1260	1000µg/mL in isooctane	RDaR 1mL	44809	
Aroclor 1262	1000µg/mL in isooctane	RDaR 1mL	44810	
Pesticide Calibration Standards Kit	1mL of each of the following products TCL Pesticides Mix (48913) Aroclor 1221 (48098) Aroclor 1254 (44808) Toxaphene (48103) Aroclor 1232 (44805) Aroclor 1260 (44809) Chlordane (48065-U) Aroclor 1242 (44806) Aroclor 1262 (44810) Aroclor 1016 (48097) Aroclor 1248 (44807)		48114	
EPA CLP/625 Pesticide Mix	16 analytes, 2000µg/mL each in hexane:toluene (50:50) Aldrin 4,4'-DDE Endosulfan sulfate α-BHC 4,4'-DDT Endrin β-BHC Dieldrin Endrin aldehyde γ-BHC Endosulfan I Heptachlor δ-BHC Endosulfan II Heptachlor epoxide (isomer B) 4,4'-DDD	1mL	47914	

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MIXES AND SOLUTIONS	COMPOSITION	QTY.	CAT. NO.	PRICE
Appendix IX Organochlorine Pesticides Mix	17 analytes, 2000µg/mL each in toluene:hexane (50:50) Aldrin, 4,4'-DDE, Endrin α-BHC, 4,4'-DDT, Endrin aldehyde β-BHC, Dieldrin, Heptachlor γ-BHC, Endosulfan I, Heptachlor epoxide δ-BHC, Endosulfan II, Methoxychlor 4,4'-DDD, Endosulfan sulfate	1mL	46960-U	
a-Chlordane	100µg/mL in hexane	1mL	48192	
g-Chlordane	100µg/mL in hexane	1mL	48193	
Pesticide Surrogate Spike Mix	2 analytes, 200µg/mL each in acetone Decachlorobiphenyl, 2,4,5,6-Tetrachloro-m-xylene	1mL	48460	
Pesticide Matrix Spike Mix (3/90 SOW)	6 analytes at indicated concentrations in methanol Aldrin, 100µg/mL, 4,4'-DDT, 400µg/mL, Endrin, 400µg/mL γ-BHC, 100µg/mL, Dieldrin, 400µg/mL, Heptachlor, 100µg/mL	1mL	48458	
Pesticide Matrix Spiking Mix (12/90 & 8/91 SOW)	6 analytes at stated concentrations in methanol Aldrin, 100µg/mL, Dieldrin, 200µg/mL, Heptachlor, 100µg/mL 4,4'-DDT, 200µg/mL, Endrin, 200µg/mL, γ-BHC (Lindane), 100µg/mL	1mL	48449	
Pesticide Performance Evaluation Mix	6 analytes at stated concentrations in hexane:toluene (99:1) α-BHC, 10µg/mL, γ-BHC, 10µg/mL, Endrin, 50µg/mL β-BHC, 10µg/mL, 4,4'-DDT, 100µg/mL, Methoxychlor, 250µg/mL	1mL	48397	
Pesticide Performance Evaluation Mix A	8 analytes at stated concentrations in hexane:toluene (99:1) α-BHC, 1µg/mL, 4,4'-DDT, 10µg/mL, Methoxychlor, 25µg/mL β-BHC, 1µg/mL, Decachlorobiphenyl, 2µg/mL, Tetrachloro-m-xylene, 2µg/mL γ-BHC, 1µg/mL, Endrin, 5µg/mL	1mL	47975	
Pesticide Resolution Check Mix	7 analytes at stated concentrations in hexane:toluene (99:1) γ-Chlordane, 10µg/mL, Endosulfan I, 10µg/mL, Endrin ketone, 20µg/mL 4,4'-DDE, 20µg/mL, Endosulfan sulfate, 20µg/mL, Methoxychlor, 100µg/mL Dieldrin, 20µg/mL	1mL	48276-U	
Pesticide Standard Mix A	9 analytes at stated concentrations in hexane:toluene (98:2) α-BHC, 5µg/mL, 4,4'-DDT, 10µg/mL, Endrin, 10µg/mL γ-BHC, 5µg/mL, Dieldrin, 10µg/mL, Heptachlor, 5µg/mL 4,4'-DDD, 10µg/mL, Endosulfan I, 5µg/mL, Methoxychlor, 50µg/mL	1mL	48796	
Pesticide Standard Mix A-1	11 analytes at stated concentrations in hexane:toluene (99:1) α-BHC, 0.5µg/mL, Decachlorobiphenyl, 1µg/mL, Heptachlor, 0.5µg/mL γ-BHC, 0.5µg/mL, Dieldrin, 1µg/mL, Methoxychlor, 5µg/mL 4,4'-DDD, 1µg/mL, Endosulfan I, 0.5µg/mL, 2,4,5,6-Tetrachloro-m-xylene, 4,4'-DDT, 1µg/mL, Endrin, 1µg/mL, 0.5µg/mL	1mL	47977	
Pesticide Mix A-2	11 analytes at indicated concentrations in hexane:toluene (99:1) α-BHC, 5µg/mL, Decachlorobiphenyl, 10µg/mL, Heptachlor, 5µg/mL γ-BHC (Lindane), 5µg/mL, Dieldrin, 10µg/mL, Methoxychlor, 50µg/mL 4,4'-DDD, 10µg/mL, Endosulfan I, 5µg/mL, 2,4,5,6-Tetrachloro-m-xylene, 5µg/mL 4,4'-DDT, 10µg/mL, Endrin, 10µg/mL	1mL	46862-U	
Pesticide Standard Mix B	11 analytes at stated concentrations in hexane:toluene (99:1) Aldrin, 5µg/mL, γ-Chlordane, 5µg/mL, Endrin aldehyde, 10µg/mL β-BHC, 5µg/mL, 4,4'-DDE, 10µg/mL, Endrin ketone, 10µg/mL δ-BHC, 5µg/mL, Endosulfan II, 10µg/mL, Heptachlor epoxide (isomer B), α-Chlordane, 5µg/mL, Endosulfan sulfate, 10µg/mL, 5µg/mL	1mL	48196	
Pesticide Standard Mix B-1	13 analytes at stated concentrations in hexane:toluene (99.5:0.5) Aldrin, 0.5µg/mL, 4,4'-DDE, 1µg/mL, Endrin ketone, 1µg/mL β-BHC, 0.5µg/mL, Decachlorobiphenyl, 1µg/mL, Heptachlor epoxide (isomer B), δ-BHC, 0.5µg/mL, Endosulfan II, 1µg/mL, 0.5µg/mL α-Chlordane, 0.5µg/mL, Endosulfan sulfate, 1µg/mL, 2,4,5,6-Tetrachloro-m-xylene, γ-Chlordane, 0.5µg/mL, Endrin aldehyde, 1µg/mL, 0.5µg/mL	1mL	47978	
Pesticide Mix B-2	13 analytes at indicated concentrations in hexane:toluene (99.5:0.5) Aldrin, 5µg/mL, 4,4'-DDE, 10µg/mL, Endrin ketone, 10µg/mL β-BHC, 5µg/mL, Decachlorobiphenyl, 10µg/mL, Heptachlor epoxide isomer b, 5µg/mL δ-BHC, 5µg/mL, Endosulfan II, 10µg/mL, 2,4,5,6-Tetrachloro-m-xylene, 5µg/mL α-Chlordane, 5µg/mL, Endosulfan sulfate, 10µg/mL γ-Chlordane, 5µg/mL, Endrin aldehyde, 10µg/mL	1mL	46863-U	

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Chemical
Standards

Environmental Standards CLP, BTEX and GRO Standards

MIXES AND SOLUTIONS	COMPOSITION	QTY.	CAT. NO.	PRICE
GPC Calibration Mix A	3 analytes at indicated concentrations in methylene chloride Bis(2-ethylhexyl)phthalate, Methoxychlor, 200µg/mL Perylene, 20µg/mL 1000µg/mL	1mL	48424	
2,4,5-Trichlorophenol	5000µg/mL in methanol	1mL	40179	
LOW CONCENTRATION STATEMENT OF WORK				
1,4-Dichlorobenzene-d ₄	2000µg/mL in methanol	1mL	48049	
QTM STATEMENT OF WORK (MARCH 27, 1992 DRAFT)				
QTM Volatile Halocarbons Mix	14 analytes, 2000µg/mL each in methanol Bromodichloromethane 1,2-Dichloroethane Tetrachloroethene Bromoform 1,1-Dichloroethene 1,1,1-Trichloroethene Carbon tetrachloride cis-1,2-Dichloroethene Trichloroethene Chloroform trans-1,2-Dichloroethene Vinyl chloride 1,1-Dichloroethane 1,1,2,2-Tetrachloroethane	1mL	48001	
QTM PAH Mix	16 analytes, 2000µg/mL each in methylene chloride Acenaphthene Benzo(a)pyrene Fluorene Acenaphthylene 2-Bromonaphthylene Indeno(1,2,3-cd)pyrene Anthracene Chrysene Naphthalene Benzo(a)anthracene Dibenzo(a,h)anthracene Phenanthrene Benzo(b)fluoranthene Fluoranthene Pyrene Benzo(ghi)perylene	1mL	47930-U	
QTM PAH Site Monitoring Solution	20,000µg/mL in methanol 2-Bromonaphthalene	1mL	47929	

UST, GRO, DRO and Fuel Standards

Supelco offers the following stock standards for use in Underground Storage Tank (UST) remediation, Gasoline Range Organics (GRO) analyses and Diesel Range Organics (DRO) analyses. Individual fuel standards can be used for fingerprint analyses. State specific Petroleum Hydrocarbon (TPH) / Extractable Petroleum Hydrocarbon (EPH) standards are also available for your convenience. Custom mixes are available through our Custom Chemical Service.

MIXES AND SOLUTIONS	COMPOSITION	QTY.	CAT. NO.	PRICE
BTEX STANDARDS				
UST BTEX Mix 	6 analytes, 200µg/mL each in methanol Benzene Toluene o-Xylene Ethylbenzene m-Xylene p-Xylene	1mL 1mL	48026 4S8026	
HC BTEX Mix	6 analytes, 2000µg/mL each in methanol Benzene Toluene o-Xylene Ethylbenzene m-Xylene p-Xylene	1mL	47993	
HC BTEX/MTBE Mix	7 analytes, 2000µg/mL each in methanol Benzene Toluene o-Xylene Ethylbenzene m-Xylene p-Xylene Methyl tert-butyl ether	1mL	47505-U	
GASOLINE RANGE ORGANICS (GRO) STANDARDS				
Gasoline Additives Mix	4 analytes, 200µg/mL each in methanol 1,2-Dibromoethane 1,2-Dichloroethane Methyl tert-butyl ether Dibromomethane	1mL	47905	
Gasoline Range Organics (GRO) Mix	9 analytes, 2000µg/mL each in methanol Benzene Naphthalene 2,2,4-Trimethylbenzene Ethylbenzene Toluene m-Xylene 3-Methylpentane 1,2,4-Trimethylbenzene o-Xylene	1mL	47576-U	
PVOC Mix	8 analytes, 2000µg/mL each in methanol Benzene Toluene m-Xylene Ethylbenzene 1,2,4-Trimethylbenzene o-Xylene Methyl tert-butyl ether 1,3,5-Trimethylbenzene	1mL	47916	
EPA Gasoline Range Organics (GRO) Mix	9 analytes at indicated concentrations in methanol Benzene, 500µg/mL 2-Methylpentane, 1500µg/mL 2,2,4-Trimethylpentane, 1500µg/mL Ethylbenzene, 500µg/mL Toluene, 1500µg/mL m-Xylene, 1000µg/mL Heptane, 500µg/mL 1,2,4-Trimethylbenzene, 1000µg/mL o-Xylene, 1000µg/mL	1mL	47577-U	

 Separate Source standards. Prepared from independently sourced raw materials and quality controlled independently.

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Chemical
Standards

SUPELCO

Environmental Standards

GRO, DRO and Fuel Standards

MIXES AND SOLUTIONS	COMPOSITION	QTY.	CAT. NO.	PRICE
UST Modified Gasoline Range Organics (GRO)	10 analytes, 1000µg/mL each in methanol Benzene Ethylbenzene Methyl tert-butyl ether Naphthalene	Toluene 1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene	m-Xylene o-Xylene p-Xylene	1mL 48167
Revised PVOC/GRO Mix	10 analytes, 2000µg/mL each in methanol Benzene Ethylbenzene Methyl tert-butyl ether Naphthalene	Toluene 1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene	m-Xylene o-Xylene p-Xylene	1mL 47578-U
Surrogate Standards α,α,α-Trifluorotoluene	10,000µg/mL in methanol			1mL 47582-U
Internal Standard 1-Chloro-4-fluorobenzene	5000µg/mL in methanol			1mL 48194
DIESEL RANGE ORGANICS (DRO) STANDARDS				
UST Modified Diesel Range Organics (DRO)	10 analytes, 1000µg/mL each in hexane n-Decane n-Dodecane n-Tetradecane n-Hexadecane	n-Octadecane n-Eicosane n-Docosane	n-Tetracosane n-Hexacosane n-Octacosane	1mL 48166
Internal Standard or Surrogate Standard for Diesel 1-Chlorooctadecane	10,000µg/mL in methylene chloride			1mL 47584-U
Surrogate Standard for Diesel 2-Fluorobiphenyl	10,000µg/mL in methylene chloride			1mL 47581-U
Surrogate Standard o-Terphenyl	2000µg/mL in acetone 10,000µg/mL in methylene chloride			1mL 48169 1mL 47580-U
Internal Standard for DRO 5-α-Androstane	2000µg/mL in methylene chloride			1mL 48168
INDIVIDUAL FUEL STANDARDS				
Aviation Gasoline [■]	20,000µg/mL in methanol			1mL 47531-U
Gasoline [■]	20,000µg/mL in methanol			1mL 47516-U
Jet (Turbine) Fuel [■]	20,000µg/mL in methanol			1mL 47533-U
JP-4 Military Fuel Standard	10,000µg/mL in methylene chloride			1mL 47585-U
JP-5 Military Fuel Standard	10,000µg/mL in methylene chloride			1mL 47586-U
JP-8 Military Fuel Standard	10,000µg/mL in methylene chloride			1mL 47587-U
Kerosene Reference Standard	50,000µg/mL in hexane			1mL 47517-U
No. 1 Fuel Oil [■]	20,000µg/mL in methanol			1mL 47518-U
No. 2 Fuel Oil [■]	20,000µg/mL in methanol			1mL 47515-U
No. 3 Fuel Oil [■]	50,000µg/mL in hexane			1mL 47534-U
No. 4 Fuel Oil [■]	50,000µg/mL in hexane			1mL 47535-U
No. 6 Fuel Oil	20,000µg/mL in hexane:chloroform (50:50)			1mL 47536-U
STATE-SPECIFIC PETROLEUM METHOD STANDARDS				
Connecticut n-Hydrocarbon Mix	15 analytes, 1000µg/mL each in methylene chloride:carbon disulfide (85:15) n-Decane n-Docosane n-Dodecane n-Dotriacontane n-Eicosane	n-Hexacosane n-Hexadecane n-Hexatriacontane n-Nonane n-Octacosane	n-Octadecane n-Tetracosane n-Tetradecane n-Tetracontane n-Triacontane	1mL 46827-U
Florida n-Hydrocarbons Mix	17 analytes, 1000µg/mL each in methylene chloride:carbon disulfide (50:50) n-Octane n-Decane n-Dodecane n-Tetradecane n-Hexadecane n-Octadecane	n-Eicosane n-Docosane n-Tetracosane n-Hexacosane n-Octacosane n-Triacontane	n-Dotriacontane n-Tetracontane n-Hexatriacontane n-Octatriacontane n-Tetracontane	1mL 46855-U
■ Refinery grade.				

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Chemical
Standards

MISA Analyses

The Ontario Ministry of the Environment has established monitoring of wastewater discharges by nine industrial sectors of the part Municipal/Industrial Strategy for Abatement (MISA) program. Analytes that must be monitored under MISA regulations include 34 volatile and 70 semivolatile organic compounds. Because analyses of these compounds at low levels in waste effluents can be complex, high quality standards are essential for routine daily calibration of instruments. We have developed these analytical standards for analytes monitored under the May 1990 MISA regulations.

MIXES AND SOLUTIONS	COMPOSITION		QTY.	CAT. NO.	PRICE
MISA GROUP 16 – HALOGENATED VOLATILE ORGANICS					
MISA Group 16 Mix	2000µg/mL each in methanol		1mL	48132	
	Bromoform	1,4-Dichlorobenzene	1,2-Dibromoethane		
	Carbon tetrachloride	1,1-Dichloroethane	1,1,2,2-Tetrachloroethane		
	Chlorobenzene	1,2-Dichloroethane	Tetrachloroethylene		
	Chloroform	cis-Dichloropropene	1,1,2-Trichloroethane		
	1,2-Dichlorobenzene	trans-Dichloropropene	Trichloroethylene		
	1,3-Dichlorobenzene	1,2-Dichloropropane			
Volatile Organic Compounds					
Mix 5 SS	6 analytes, 2000µg/mL each in methanol		1mL	48797	
	Bromodichloromethane	cis-1,2-Dichloroethylene	Dichloromethane		
	Dibromochloromethane	1,1-Dichloroethylene	trans-1,2-Dichloropropylene	4S8797	
Volatile Organic Compounds					
Mix 6 SS	6 analytes, 2000µg/mL each in methanol		1mL	48799-U	
	Bromomethane	Chloromethane	Trichlorofluoromethane		
	Chloroethane	Dichlorodifluoromethane	Vinyl chloride	4S8799	
MISA GROUP 17 – NONHALOGENATED ORGANICS					
MISA Group 17 Mix	7 analytes, 2000µg/mL each in methanol		1mL	48133	
	Benzene	Toluene	o-Xylene		
	Ethylbenzene	m-Xylene	p-Xylene		
	Styrene				
MISA GROUP 18 – WATER SOLUBLE VOLATILE COMPOUNDS					
Acrolein	Neat		5g	48501	
Acrylonitrile	Neat		5g	48502	
MISA GROUP 19 – BASE/NEUTRAL EXTRACTABLES					
MISA Group 19 Mix B	12 analytes, 2000µg/mL each in methylene chloride		1mL	48135	
	Butyl benzyl phthalate	2,6-Dinitrotoluene	Indole		
	Biphenyl	Di-n-butyl phthalate	N-nitrosodi-n-propylamine		
	Bis(2-ethylhexyl)phthalate	Di-n-octyl phthalate	N-nitrosodiphenylamine		
	2,4-Dinitrotoluene	Diphenyl ether	Perylene		
TCL Polynuclear Aromatic Hydrocarbon Mix SS					
	16 analytes, 2000µg/mL each in methylene chloride:benzene (50:50)		1mL	48905-U	
	Acenaphthene	Benzo(ghi)perylene	Fluorene	4S8905	
	Acenaphthylene	Benzo(a)pyrene	Indeno(1,2,3-cd)pyrene		
	Anthracene	Chrysene	Naphthalene		
	Benzo(a)anthracene	Dibenzo(a,h)anthracene	Phenanthrene		
	Benzo(b)fluoranthene	Fluoranthene	Pyrene		
	Benzo(k)fluoranthene				
MISA GROUP 20 – PHENOLIC EXTRACTABLES					
MISA Phenols Group 20 Mix A	10 analytes, 2000µg/mL each in methanol		1mL	48130-U	
	o-Cresol	4,6-Dinitro-o-cresol	2,3,4-Trichlorophenol		
	p-Cresol	2,3,4,6-Tetrachlorophenol	2,3,5-Trichlorophenol		
	2,6-Dichlorophenol	2,3,5,6-Tetrachlorophenol	2,4,5-Trichlorophenol		
	2,4-Dimethylphenol				
MISA Phenols Group 20 Mix B	10 analytes, 2000µg/mL each in methanol		1mL	48131	
	p-Chloro-m-cresol	2,4-Dinitrophenol	Phenol		
	2-Chlorophenol	4-Nitrophenol	2,3,4,5-Tetrachlorophenol		
	m-Cresol	Pentachlorophenol	2,4,6-Trichlorophenol		
	2,4-Dichlorophenol				

SS Separate Source standards. Prepared from independently sourced raw materials and quality controlled independently.


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Chemical
Standards

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International Standards Canada

MISA Analyses

MIXES AND SOLUTIONS	COMPOSITION	QTY.	CAT. NO.	PRICE
MISA GROUP 22 – ORGANOCHLORINE PESTICIDES				
TCL Pesticides Mix 	18 analytes, 2000µg/mL each in toluene:hexane (50:50)	1mL 1mL	48913 4S8913	
	Aldrin	4,4'-DDE	Endrin	
	α-BHC	4,4'-DDT	Endrin aldehyde	
	β-BHC	Dieldrin	Endrin ketone	
	γ-BHC (Lindane)	Endosulfan I	Heptachlor	
	δ-BHC	Endosulfan II	Heptachlor epoxide	
	4,4'-DDD	Endosulfan sulfate	Methoxychlor	
Hexachlorobenzene	Neat	1000mg	48508	
Hexachlorobenzene	1000µg/mL in acetone	1mL	40008	
Mirex	Neat	500mg	49057	
Oxychlorodane	inquire			
MISA GROUP 23 – CHLORINATED HYDROCARBONS				
MISA Group 23 Mix	11 analytes, 2000µg/mL each in methylene chloride	1mL	48136	
	Hexachlorobenzene	Pentachlorobenzene	1,2,3-Trichlorobenzene	
	Hexachlorobutadiene	1,2,3,4-Tetrachlorobenzene	1,2,4-Trichlorobenzene	
	Hexachlorocyclopentadiene	1,2,3,5-Tetrachlorobenzene	2,4,5-Trichlorotoluene	
	Hexachloroethane	1,2,4,5-Tetrachlorobenzene		
MISA GROUP 27 – POLYCHLORINATED BIPHENYLS				
Aroclor 1016	200µg/mL in methanol	1mL	48701	
Aroclor 1221	200µg/mL in methanol	1mL	48705	
Aroclor 1232	200µg/mL in methanol	1mL	48702	
Aroclor 1242	200µg/mL in methanol	1mL	48706	
Aroclor 1248	200µg/mL in methanol	1mL	48703	
Aroclor 1254	200µg/mL in methanol	1mL	48707	
Aroclor 1260	200µg/mL in methanol	1mL	48704	
PCB Kit 3	Each of the Aroclor mixtures listed above		48825	
PCB Kit – High	6 individual 1mL solutions, 1000µg/mL each in isoocane		44803	
	Aroclor 1232	Aroclor 1248	Aroclor 1260	
	Aroclor 1242	Aroclor 1254	Aroclor 1262	
PCB Kit – Low	6 individual 1mL solutions, 1µg/mL each in isoocane		44804	
	Aroclor 1232	Aroclor 1248	Aroclor 1260	
	Aroclor 1242	Aroclor 1254	Aroclor 1262	
SINGLE COMPONENT STANDARDS FOR MISA ANALYSES				
Biphenyl	2000µg/mL in methanol	1mL	48161	
1-Chloronaphthalene	2000µg/mL in methanol	1mL	48159	
Diphenyl ether	2000µg/mL in methanol	1mL	48155	
Indole	2000µg/mL in methanol	1mL	48157	
1-Methylnaphthalene	2000µg/mL in methanol	1mL	48162	
1,2,3,4-Tetrachlorobenzene	2000µg/mL in methanol	1mL	48158	
1,2,3,5-Tetrachlorobenzene	2000µg/mL in methanol	1mL	48156	
2,3,4,5-Tetrachlorophenol	2000µg/mL in methanol	1mL	48153	
2,3,5,6-Tetrachlorophenol	2000µg/mL in methanol	1mL	48152	
2,3,4-Trichlorophenol	2000µg/mL in methanol	1mL	48154	
2,4,5-Trichlorotoluene	2000µg/mL in methanol	1mL	48150	
CEN PCB Congener Mix-1	12 analytes, 10µg/mL each in heptane	1mL	47927	
	2,2',5-Trichlorobiphenyl	2,2',3,5'-Tetrachlorobiphenyl	2,2',4,4',5,5'-Hexachlorobiphenyl	
	2,4',5-Trichlorobiphenyl	2,2',4,5,5'-Pentachlorobiphenyl	2,2',3,4,4',5'-Hexachlorobiphenyl	
	2,4,4'-Trichlorobiphenyl	2,3',4,4',5-Pentachlorobiphenyl	2,2',3,4,4',5,5'-Heptachlorobiphenyl	
	2,2',5,5'-Tetrachlorobiphenyl	2,2',3,4',5',6-Hexachlorobiphenyl	2,2',3,3',4,4',5,5'-Octachlorobiphenyl	

Quebec Ministry of Environmental PAH Mix

MIXES AND SOLUTIONS	COMPOSITION	QTY.	CAT. NO.	PRICE
PAH Mix	23 analytes, 500µg/mL each in methylene chloride:benzene (75:25)	1mL	502065	
	Acenaphthene	Benzo(c)phenanthrene	Fluoranthene	
	Acenaphthylene	Benzo(a)pyrene	Fluorene	
	Anthracene	Chrysene	Indeno(1,2,3-cd)pyrene	
	Benzo(a)anthracene	Dibenzo(a,h)anthracene	3-Methylcholanthrene	
	Benzo(b)fluoranthene	Dibenzo(a,h)pyrene	Naphthalene	
	Benzo(j)fluoranthene	Dibenzo(a,i)pyrene	Phenanthrene	
	Benzo(k)fluoranthene	Dibenzo(a,l)pyrene	Pyrene	
	Benzo(ghi)perylene	7,12-Dimethylbenz(a)anthracene		

 Separate Source standards. Prepared from independently sourced raw materials and quality controlled independently.

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Chemical
Standards

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European Mixes

DNPH Mixes – the following dinitrophenylhydrazine (DNPH) standards were developed in response to European requests for working and calibration check standards for the ambient air analysis of carbonyl emissions from automobile exhaust. Methods for this analysis are equivalent to California Air Resources Board 1004 (Sacramento, CA, USA). Concentrations are of the equivalent carbonyl quantity before derivatization. The Certificate of Analysis accompanying each of these products states both DNPH-derivatized and non-derivatized concentrations.

PAH Mix – The PAH Calibration Mix (Cat. No. 47940-U) was developed for determining polynuclear aromatic hydrocarbons (PAHs) by HPLC, using fluorescence detection, for the following methods:

DIN Method 38407, part 8 (for PAHs in drinking water, groundwater, and surface water)

DIN NAW (Normenausschuss Wasserwesen) working group draft method DIN 38407, part 18 (for PAHs in water)

DIN 38414, part 21, draft method (for PAHs in sediment and sludge)

MIXES AND SOLUTIONS	COMPOSITION	QTY.	CAT. NO.	PRICE
Carbonyl-DNPH Mix 1	13 analytes, 20µg/mL each (aldehyde equivalent) in acetonitrile, except where indicated Acetaldehyde-DNPH n-Butyraldehyde-DNPH Methacrolein-DNPH Acetone-DNPH Crotonaldehyde-DNPH Propionaldehyde-DNPH Acrolein-DNPH Formaldehyde-DNPH (40µg/mL) p-Tolualdehyde-DNPH Benzaldehyde-DNPH Hexaldehyde-DNPH Valeraldehyde-DNPH Butanone-DNPH	1mL	47672-U	
Carbonyl-DNPH Mix 2	14 analytes, 2µg/mL each (aldehyde equivalent) in acetonitrile, except where indicated Acetaldehyde-DNPH n-Butyraldehyde-DNPH Methacrolein-DNPH Acetone-DNPH Crotonaldehyde-DNPH Propionaldehyde-DNPH Acrolein-DNPH Cyclohexanone-DNPH (5µg/mL) p-Tolualdehyde-DNPH Benzaldehyde-DNPH Formaldehyde-DNPH (4µg/mL) Valeraldehyde-DNPH 2-Butanone-DNPH Hexaldehyde-DNPH	1mL	47671-U	
Cyclohexanone-DNPH	500µg/mL in acetonitrile	1mL	47673-U	
PAH MIX				
PAH Calibration Mix	16 analytes, 10µg/mL each in acetonitrile Acenaphthene Benzo(ghi)perylene Fluorene Acenaphthylene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Anthracene Chrysene Naphthalene Benzo(a)anthracene Dibenzo(a,h)anthracene Phenanthrene Benzo(b)fluoranthene Fluoranthene Pyrene Benzo(k)fluoranthene	1mL	47940-U	

Korean Drinking Water Regulations

The following products were introduced to support laboratories conducting drinking water analyses under Korean Drinking Water Regulations (KDWR).

Korean calibration reference standards are quantitative mixtures of volatile organic chemicals and pesticides of known concentrations. These formulations are intended for the calibration of a gas chromatographic system equipped with a capillary column and an appropriate detector. Products are packaged in amber ampuls to prevent photodegradation and solvent or analyte loss. Five ampules per package product. Each product includes a Certificate of Analysis stating the lot-dependent gravimetric and quality inspection data.

MIXES AND SOLUTIONS	COMPOSITION	QTY.	CAT. NO.	PRICE
KDWR VOC Mix A	17 analytes, 100µg/mL each in methanol Benzene 1,1-Dichloroethene 1,1,1-Trichloroethane Bromodichloromethane Ethylbenzene Trichloroethylene Bromoform Methylene chloride m-Xylene Carbon tetrachloride Phenol o-Xylene Chloroform Tetrachloroethylene p-Xylene Dibromochloromethane Toluene	5 x 1mL	506575	
KDWR VOC Mix B	10 analytes, 100µg/mL each in methanol Bromodichloromethane Dibromochloromethane Tetrachloroethylene Bromoform 1,1-Dichloroethene 1,1,1-Trichloroethane Carbon tetrachloride Methylene chloride Trichloroethylene Chloroform	5 x 1mL	506583	
KDWR Pesticides Mix	5 analytes, 1000µg/mL each in methanol Carbaryl Fenitrothion Parathion Diazinon Malathion	5 x 1mL	47627-U	

■Designed for the most recent Korean water regulations.

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Chemical Standards

SUPELCO

Other Environmental Standards

PCB Mixes

Miscellaneous Standards

MIXES AND SOLUTIONS	COMPOSITION	QTY.	CAT. NO.	PRICE
PCB MIXES				
CEN PCB Congener Mix-1	12 analytes, 10µg/mL each in heptane 2,2',5-Trichlorobiphenyl 2,2',3,5'-Tetrachlorobiphenyl 2,2',4,4',5,5'-Hexachlorobiphenyl 2,4',5-Trichlorobiphenyl 2,2',4,5,5'-Pentachlorobiphenyl 2,2',3,4,4',5'-Hexachlorobiphenyl 2,4,4'-Trichlorobiphenyl 2,3',4,4',5-Pentachlorobiphenyl 2,2',3,4,4',5,5'-Heptachlorobiphenyl 2,2',5,5'-Tetrachlorobiphenyl 2,2',3,4',5',6-Hexachlorobiphenyl 2,2',3,3',4,4',5,5'-Octachlorobiphenyl	1mL	47927	
PCB Congener Mix 1	6 analytes, 10µg/mL each in isooctane 2,6-Dichlorobiphenyl 2,2',5,5'-Tetrachlorobiphenyl 2,2',4,4',5,5'-Hexachlorobiphenyl 2,4,4'-Trichlorobiphenyl 2,2',3,4,4',5'-Hexachlorobiphenyl 2,2',3,4,4',5,5'-Heptachlorobiphenyl	10mL	47330-U	
Aroclor 1016	1000µg/mL in isooctane	 1mL	48097	
Aroclor 1221	1000µg/mL in isooctane	 1mL	48098	
Aroclor 1232	1000µg/mL in isooctane	 1mL	44805	
Aroclor 1242	1000µg/mL in isooctane	 1mL	44806	
Aroclor 1248	1000µg/mL in isooctane	 1mL	44807	
Aroclor 1254	1000µg/mL in isooctane	 1mL	44808	
Aroclor 1260	1000µg/mL in isooctane	 1mL	44809	
Aroclor 1262	1000µg/mL in isooctane	 1mL	44810	
Pesticide-HC Calibration Standards Kit	1mL of each of the following products Aroclor 1016 (48097) Aroclor 1248 (44807) Chlordane (48065) Aroclor 1221 (48098) Aroclor 1254 (44808) Toxaphene (48103) Aroclor 1232 (44805) Aroclor 1260 (44809) TCL Pesticides Mix (48913) Aroclor 1242 (44806) Aroclor 1262 (44810)		48114	
PCB Kit – High	6 individual 1mL solutions, 1000µg/mL each in isooctane Aroclor 1232 Aroclor 1248 Aroclor 1260 Aroclor 1242 Aroclor 1254 Aroclor 1262		44803	
PCB Kit – Low	6 individual 1mL solutions, 1µg/mL each in isooctane Aroclor 1232 Aroclor 1248 Aroclor 1260 Aroclor 1242 Aroclor 1254 Aroclor 1262		44804	
Aroclor 1016	200µg/mL in methanol	1mL	48701	
Aroclor 1221	200µg/mL in methanol	1mL	48705	
Aroclor 1232	200µg/mL in methanol	1mL	48702	
Aroclor 1242	200µg/mL in methanol	1mL	48706	
Aroclor 1248	200µg/mL in methanol	1mL	48703	
Aroclor 1254	200µg/mL in methanol	1mL	48707	
Aroclor 1260	200µg/mL in methanol	1mL	48704	
PCB Kit 3	Each of the Aroclor mixtures listed above		48825	
Aroclor Mix 1	4 analytes, 200µg/mL each in methanol Aroclor 1016 Aroclor 1248 Aroclor 1260 Aroclor 1232	1mL	48861	
Aroclor Mix 2	3 analytes, 200µg/mL each in methanol Aroclor 1221 Aroclor 1242 Aroclor 1254	1mL	48862	
DCMA PCB Mixture	10 analytes in hexane Use this qualitative mix of isomers for identifying PCBs in pigments and other materials. Prepared according to Dry Colors Manufacturers' Association specifications. 2-Chlorobiphenyl, 100µg/mL 2,2',3,3',6,6'-Hexachlorobiphenyl, 10µg/mL 3,3'-Dichlorobiphenyl, 100µg/mL 2,2',3,4',5,5',6-Heptachlorobiphenyl, 5µg/mL 2,4,5-Trichlorobiphenyl, 10µg/mL 2,2',3,3',4,4',5,5'-Octachlorobiphenyl, 5µg/mL 2,2',4,4'-Tetrachlorobiphenyl, 10µg/mL 2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl, 5µg/mL 2,3',4,5',6-Pentachlorobiphenyl, 10µg/mL 2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl, 5µg/mL	2 x 5mL	48596-U	
Transformer Oil (PCB-free)		50mL 250mL	46956 40900-U	

 Product is tested under Reciprocal Data Review agreement with Absolute Standards Inc. (Hamden, CT, USA)

Order: 1.800.325.3010 Technical Service: 1.800.359.3041 Web: www.sigma-aldrich.com/supelco

Chemical
Standards

SUPELCO

Other Environmental Standards

PCB Mixes, Semivolatiles and Pesticides

MIXES AND SOLUTIONS	COMPOSITION	QTY.	CAT. NO.	PRICE
PCB Congener Mix 1	6 analytes, 10µg/mL each in isooctane 2,6-Dichlorobiphenyl 2,2',5,5'-Tetrachlorobiphenyl 2,2',4,4',5,5'-Hexachlorobiphenyl 2,4,4'-Trichlorobiphenyl 2,2',3,4,4',5'-Hexachlorobiphenyl	10mL	47330-U	
CEN PCB Congener Mix-1	12 analytes, 10µg/mL each in heptane 2,2',5-Trichlorobiphenyl 2,2',4,5,5'-Hexachlorobiphenyl 2,4',5-Trichlorobiphenyl Pentachlorobiphenyl 2,2',3,4,4',5'-Hexachlorobiphenyl 2,4,4'-Trichlorobiphenyl 2,3',4,4',5'-Heptachlorobiphenyl 2,2',5,5'-Tetrachlorobiphenyl Pentachlorobiphenyl 2,2',3,3',4,4',5,5'-Octachlorobiphenyl 2,2',3,5'-Tetrachlorobiphenyl 2,2',3,4',5',6'-Hexachlorobiphenyl	1mL	47927	
SEMIVOLATILE COMPOUNDS				
Phenols Kit	45 individually packaged analytes (1g each unless noted otherwise) Purity 96+%. 2-Bromophenol 3,4-Dichlorophenol 4-Methylphenol 3-Bromophenol 3,5-Dichlorophenol 2-Nitrophenol 4-Bromophenol 2,3-Dimethylphenol 3-Nitrophenol 2-Chloro-5-methylphenol 2,4-Dimethylphenol, 0.5g 4-Nitrophenol 4-Chloro-2-methylphenol 2,5-Dimethylphenol Pentachlorophenol 4-Chloro-3-methylphenol, 5g 2,6-Dimethylphenol Phenol 2-Chlorophenol, 5g 3,4-Di methylphenol 2,3,4-Trichlorophenol 3-Chlorophenol 3,5-Dimethylphenol 2,3,5-Trichlorophenol 4-Chlorophenol 2,5-Dinitrophenol 2,3,6-Trichlorophenol 2,4-Dibromophenol 3,4-Dinitrophenol 2,4,5-Trichlorophenol 2,6-Dibromophenol 2-Ethylphenol 2,4,6-Trichlorophenol, 5g 2,3-Dichlorophenol 3-Ethylphenol 3,4,5-Trichlorophenol, 25mg 2,4-Dichlorophenol, 5g 4-Ethylphenol 2,3,5-T rimethylphenol 2,5-Dichlorophenol 2-Methylpheno I 2,3,6-Trimethylphenol 2,6-Dichlorophenol 3-Methylpheno I 2,4,6-Trimethylphenol		44578-U	
Polynuclear Aromatic Hydrocarbons Mix	10 analytes, 500µg/mL each in toluene Anthracene Chrysene Phenanthrene Benzo(a)anthracene Fluoranthene Pyrene Benzo(a)pyrene Perylene Triphenylene Benzo(e)pyrene	1mL	49155	
MISCELLANEOUS PESTICIDES				
Pesticides Concentrated Solutions Kit	13 individual solutions, 200µg/mL each in isooctane Aldrin 4,4'-DDE Endrin γ-BHC (Lindane) 2,4'-DDT Heptachlor Chlordane 4,4'-DDT Heptachlor epoxide 2,4'-DDD Di eldrin Methoxychlor 4,4'-DDD		48998	
Triazine Pesticides Standard Mix	7 analytes, 100µg/mL each in methanol Ametryn Prometon Simazine Atrazine Propazine Terbutryn Prometryn	1mL	48392	
Neat Triazine Pesticides Kit	7 individually packaged pesticides, 100mg each Ametryn Prometon Simazine Atrazine Propazine Terbutryn Prometryn		49092	
Organophosphorus Pesticides Mix A	8 analytes, 2000µg/mL each in hexane:acetone (9:1) Chlorpyrifos (Dursban) Ethoprophos (MOCAP) Methyl parathion Dichlorvos Fenchlorvos (Ronnel) Prothiofos (Tokuthion) Disulfoton Guthion	1mL	48391	
Chlorinated Pesticides Mix	13 analytes at indicated concentrations in isooctane Aldrin, 50µg/mL 4,4'-DDD, 190µg/mL Dieldrin, 120µg/mL α-BHC, 25µg/mL 4,4'-DDE, 100µg/mL Endrin, 200µg/mL β-BHC, 100µg/mL 2,4' DDT, 225µg/mL Heptachlor, 25µg/mL γ-BHC (Lindane), 25µg/mL 4,4'-DDT, 260µg/mL Heptachlor epoxide, 80µg/mL 2,4'-DDD 200µg/mL	1mL 5 x 1mL	47557-U 49151	

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Chemical Standards

SUPELCO

Air Monitoring Standards

NIOSH and OSHA Methods

NIOSH and OSHA Methods for Workplace Atmospheres

The following standards are for use with methods listed in OSHA and NIOSH manuals of methods for analysis of workplace contaminants. The standards are quantitative formulations for use as chromatographic calibration or spiking solutions. Products include Certificate of Analysis describing lot-specific production and analytical information. Free data packets containing data on raw materials and final production are available for most of these products. Request the data packet when ordering the standard; the order number is the same as that for the standard, preceded by the letters DP.

MIXES AND SOLUTIONS	COMPOSITION	QTY.	CAT. NO.	PRICE	
NIOSH 2501 / OSHA 52 METHOD DESCRIPTION: ANALYSIS OF ACROLEIN IN INDOOR AIR					
Acrolein	Neat	5000mg	48501		
NIOSH 2001 / OSHA 32 METHOD DESCRIPTION: ANALYSIS OF CRESOL IN INDOOR AIR					
o-Cresol	5000µg/mL in methanol	1mL	40250-U		
m-Cresol	5000µg/mL in methanol	1mL	40251-U		
p-Cresol	5000µg/mL in methanol	1mL	40252-U		
NIOSH 5519 METHOD DESCRIPTION: ANALYSIS OF ENDRIN IN INDOOR AIR					
Endrin	Neat	100mg	49032		
NIOSH 2541 / OSHA 52 METHOD DESCRIPTION: ANALYSIS OF FORMALDEHYDE IN INDOOR AIR					
Formaldehyde Oxazolidine	2000µg/mL in toluene	1mL	48414		
OSHA 42, OSHA 47 METHOD DESCRIPTION: ANALYSIS OF ISOCYANATES IN INDOOR AIR					
Individual solutions, 1000µg/mL in dimethyl sulfoxide					
N,N'-(2-Methyl-1,3-phenylene)bis[4-(2-pyridinyl)-1-piperazinecarboxamide] (derivative of 2,6-TDIP)		1mL	48144		
N,N'-(4-Methyl-1,3-phenylene)bis[4-(2-pyridinyl)-1-piperazinecarboxamide] (derivative of 2,4-TDIP)		1mL	48145		
N,N'-1,6-Hexanediybis[4-(2-pyridinyl)-1-piperazinecarboxamide] (derivative of 1,6-HDIP)		1mL	48146		
N,N'-(Methylenediphenylene)bis[4-(2-pyridinyl)-1-piperazinecarboxamide] (derivative of 4,4'-MDIP)		1mL	48147		
OSHA 80 METHOD DESCRIPTION: ANALYSIS OF METHYLENE CHLORIDE IN INDOOR AIR					
Methylene Chloride	Neat	5000mg	48538		
NIOSH 2005 METHOD DESCRIPTION: ANALYSIS OF NITROBENZENES IN INDOOR AIR					
Nitrobenzene	5000µg/mL in methanol	1mL	40054		
OSHA 32 METHOD DESCRIPTION: ANALYSIS OF PHENOL IN INDOOR AIR					
Phenol	500µg/mL in methanol	1mL	48688		
	5000µg/mL in methanol	1mL	40063		
NIOSH 5503 METHOD DESCRIPTION: ANALYSIS OF PCBS IN INDOOR AIR					
Aroclor Mix 1	4 analytes, 200µg/mL each in methanol	1mL	48861		
	Aroclor 1016			Aroclor 1248	Aroclor 1260
	Aroclor 1232				
Aroclor Mix 2	3 analytes, 200µg/mL each in methanol	1mL	48862		
	Aroclor 1221			Aroclor 1242	Aroclor 1254
NIOSH 5506, 5515 METHOD DESCRIPTION: ANALYSIS OF PAHS IN INDOOR AIR					
EPA 610 Polynuclear Aromatic Hydrocarbons Mixture	16 analytes at indicated concentrations in methanol:methylene chloride (50:50)	1mL	48743		
		1mL	4S8743		
	Acenaphthene, 1000µg/mL	Benzo(k)fluoranthene, 100µg/mL	Fluoranthene, 200µg/mL		
	Acenaphthylene, 2000µg/mL	Benzo(ghi)perylene, 200µg/mL	Fluorene, 200µg/mL		
	Anthracene, 100µg/mL	Chrysene, 100µg/mL	Indeno(1,2,3-cd)pyrene, 100µg/mL		
	Benzo(a)anthracene, 100µg/mL	Dibenzo(a,h)anthracene, 200µg/mL	Naphthalene, 1000µg/mL		
	Benzo(a)pyrene, 100µg/mL		Phenanthrene, 100µg/mL		
	Benzo(b)fluoranthene, 200µg/mL		Pyrene, 100µg/mL		
OSHA 51 METHOD DESCRIPTION: ANALYSIS OF VINYL ACETATE IN INDOOR AIR					
Vinyl Acetate	Neat	1000mg	48486		

SS Separate Source standards. Prepared from independently sourced raw materials and quality controlled independently.

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Chemical
Standards

Compendium of Methods for the Determination of Air Pollutants in Indoor Air (IP)

The following standards are for use with EPA document number EPA/600/4-90/010. The standards are quantitative formulations for use as chromatographic calibration or spiking solutions. Products include a Certificate of Analysis describing lot-specific analytical information. Free data packets are available for these products. Data packets contain data on raw materials and final production. Request the data packet when ordering the standard; the order number is the same as that for the standard, preceded by the letters DP.

MIXES AND SOLUTIONS	COMPOSITION	QTY.	CAT. NO.	PRICE
IP1 METHOD DESCRIPTION: ANALYSIS OF VOLATILE ORGANICS (BP 80-200C) IN INDOOR AIR BY GC/MS				
EPA TO-1 Toxic Organics Mix 1A	9 analytes, 2mg/mL each in methanol n-Heptane 1-Heptene Benzene	Toluene Ethylbenzene Isopropylbenzene (cumene)	o-Xylene m-Xylene p-Xylene	1mL 48896
EPA TO-1 Toxic Organics Mix 1B	14 analytes, 2mg/mL each in methanol Allyl chloride Acrylonitrile Chloroform 1,2-Dichloroethane 1,1,1-Trichloroethane	Carbon tetrachloride 1,2-Dichloropropane Trichloroethylene 1,3-Dichloropropane Ethylene dibromide	Bromoform Tetrachloroethylene Chlorobenzene Bromobenzene	1mL 48897
IP6 METHOD DESCRIPTION: ANALYSIS OF ALDEHYDES AND KETONES IN INDOOR AIR BY HPLC/UV				
TO11/IP-6A Aldehyde/Ketone-DNPH Mix	15 analytes, 15µg/mL each (aldehyde equivalent) in acetonitrile Acetaldehyde-2,4-DNPH Acrolein-2,4-DNPH Acetone-2,4-DNPH Benzaldehyde-2,4-DNPH Butyraldehyde-2,4-DNPH Crotonaldehyde-2,4-DNPH	2,5-Dimethylbenzaldehyde-2,4-DNPH Formaldehyde-2,4-DNPH Hexaldehyde-2,4-DNPH Isovaleraldehyde-2,4-DNPH Propionaldehyde-2,4-DNPH	m-Tolualdehyde-2,4-DNPH o-Tolualdehyde-2,4-DNPH p-Tolualdehyde-2,4-DNPH Valeraldehyde-2,4-DNPH	1mL 47285-U
IP7 METHOD DESCRIPTION: ANALYSIS OF POLYNUCLEAR AROMATIC HYDROCARBONS IN INDOOR AIR BY GC/FID AND HPLC/UV				
EPA 610 Polynuclear Aromatic Hydrocarbons Mix SS	16 analytes at indicated concentrations in methanol:methylene chloride (50:50) Acenaphthene, 1000µg/mL Acenaphthylene, 2000µg/mL Anthracene, 100µg/mL Benzo(a)anthracene, 100µg/mL Benzo(b)fluoranthene, 200µg/mL Benzo(k)fluoranthene, 100µg/mL	Benzo(ghi)perylene, 200µg/mL Benzo(a)pyrene, 100µg/mL Chrysene, 100µg/mL Dibenzo(a,h)anthracene, 200µg/mL Fluoranthene, 200µg/mL Fluorene, 200µg/mL	Indeno(1,2,3-cd)pyrene, 100µg/mL Naphthalene, 1000µg/mL Phenanthrene, 100µg/mL Pyrene, 100µg/mL	1mL 48743 1mL 4S8743
IP8 METHOD DESCRIPTION: ANALYSIS OF ORGANOCHLORINE PESTICIDES IN INDOOR AIR BY GC/ECD				
EPA Pesticide Mix	16 analytes at indicated concentrations in methanol:methylene chloride (98:2) Aldrin, 10µg/mL α-BHC, 10µg/mL β-BHC, 10µg/mL γ-BHC (Lindane), 10µg/mL δ-BHC, 10µg/mL 4,4'-DDD, 60µg/mL	4,4'-DDE, 20µg/mL 4,4'-DDT, 60µg/mL Dieldrin, 20µg/mL Endosulfan I, 20µg/mL Endosulfan II, 20µg/mL	Endosulfan sulfate, 60µg/mL Endrin, 20µg/mL Endrin aldehyde, 60µg/mL Heptachlor, 10µg/mL Heptachlor epoxide isomer B, 10µg/mL	1mL 48858-U

SS Separate Source standards. Prepared from independently sourced raw materials and quality controlled independently.

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Chemical Standards

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Air Monitoring Standards ASTM Methods

American Society for Testing and Materials (ASTM) Methods

The following standards are used with methods developed under ASTM Committee D-22, described in the Annual Book of ASTM Methods, Volume 11.03, Atmospheric Analysis, Occupational Health and Safety. The standards are quantitative formulations for use in chromatographic calibration or spiking solutions. Products include a Certificate of Analysis describing lot-specific production analytical information. Free data packets are available for most of these products. Data packets contain data on raw materials and final production. Request the data packet when ordering the standard; the order number is the same as that for the standard, preceded by the letters DP.

MIXES AND SOLUTIONS	COMPOSITION	QTY.	CAT. NO.	PRICE
ASTM D4861 METHOD DESCRIPTION: ANALYSIS OF PCBS IN AIR				
Aroclor Mix 1	4 analytes, 200µg/mL each in methanol Aroclor 1016 Aroclor 1248 Aroclor 1260 Aroclor 1232	1mL	48861	
Aroclor Mix 2	3 analytes, 200µg/mL each in methanol Aroclor 1221 Aroclor 1242 Aroclor 1254	1mL	48862	
ASTM 4947 METHOD DESCRIPTION: ANALYSIS OF CHLORDANE AND HEPTACHLOR IN AIR				
Chlordane	200µg/mL in isooctane 200µg/mL in isooctane 1000µg/mL in isooctane	1mL 10mL 1mL	47554-U 48984 48065-U	
Heptachlor	200µg/mL in isooctane	10mL	48964	
ASTM 5197 METHOD DESCRIPTION: ANALYSIS OF ALDEHYDES IN AIR				
TO11/IP-6A Aldehyde/ Ketone-DNPH Mix	15 analytes, 15µg/mL each (aldehyde equivalent) in acetonitrile Acetaldehyde-2,4-DNPH Crotonaldehyde-2,4-DNPH Propionaldehyde-2,4-DNPH Acrolein-2,4-DNPH 2,5-Dimethylbenzaldehyde-2,4-DNPH m-Tolualdehyde-2,4-DNPH Acetone-2,4-DNPH 2,4-DNPH o-Tolualdehyde-2,4-DNPH Benzaldehyde-2,4-DNPH Formaldehyde-2,4-DNPH p-Tolualdehyde-2,4-DNPH Butyraldehyde-2,4-DNPH Hexaldehyde-2,4-DNPH Valeraldehyde-2,4-DNPH Isovaleraldehyde-2,4-DNPH	1mL	47285-U	
ASTM 5578 METHOD DESCRIPTION: ANALYSIS OF ETHYLENE OXIDE IN AIR				
2-Bromoethanol	2000µg/mL in toluene	1mL	48874	
ASTM D5836 METHOD DESCRIPTION: STANDARD TEST METHOD FOR DETERMINATION OF 2,4-TDI AND 2,6-TDI IN WORKPLACE ATMOSPHERES				
Individual solutions, 1000µg/mL in dimethyl sulfoxide				
N,N'-(2-Methyl-1,3-phenylene)bis[4-(2-pyridinyl)-1-piperazinecarboxamide] (derivative of 2,6-TDIP)		1mL	48144	
N,N'-(4-Methyl-1,3-phenylene)bis[4-(2-pyridinyl)-1-piperazinecarboxamide] (derivative of 2,4-TDIP)		1mL	48145	
N,N'-1,6-Hexanediybis[4-(2-pyridinyl)-1-piperazinecarboxamide] (derivative of 1,6-HDIP)		1mL	48146	
N,N'-(Methylenediphenylene)bis[4-(2-pyridinyl)-1-piperazinecarboxamide] (derivative of 4,4'-MDIP)		1mL	48147	

RELATED INFORMATION

Order ASTM methods from:

ASTM (American Society for Testing and Materials)
100 Barr Harbor Drive
Conshohocken, PA 19428 USA
(phone 610-832-9500, fax 610-832-9555)

Order OSHA methods from:

AC GIH, Publications Section
6500 Glenway Avenue, Building D7
Cincinnati, OH 45211 USA
(phone 513-742-2020, FAX 513-742-3355)
organic methods - order number 4542
inorganic methods - order number 4545

Order: 1.800.325.3010 Technical Service: 1.800.359.3041 Web: www.sigma-aldrich.com/supelco

Chemical
Standards

Air Monitoring Standards

General Use

579

Air Monitoring Standards for General Use

The following standards are suitable for use with a wide range of chromatographic air sample determinations. The standards are quantitative formulations. Products include a Certificate of Analysis describing lot-specific production and analytical information. Free data packets are available for most of these products. Data packets contain data on raw materials and final production. Request the data packet when ordering the standard; the order number is the same as that for the standard, preceded by the letters DP

MIXES AND SOLUTIONS	COMPOSITION	QTY.	CAT. NO.	PRICE
Acetone	2000µg/mL in methanol:water (90:10)	1mL	48358	
2-Butanone	2000µg/mL in methanol:water (90:10) For monitoring airborne methyl ethyl ketone	1mL	48877	
Ethylene Oxide	50mg/mL in methylene chloride	1mL	48891	
	2000µg/mL in methylene chloride	1mL	47949	
	50mg/mL in methanol For monitoring airborne ethylene oxide	1mL	48838	
Formaldehyde Oxazolidine	2000µg/mL in toluene For monitoring ORBO 24 solvent desorption tubes	1mL	48414	
Freon 113	1000µg/mL in methanol	1mL	48411	
	2000µg/mL in methanol	1mL	47944	
Freon 123	1000µg/mL in methanol	1mL	48412	
Freon Mix	5 analytes, 10,000µg/mL each in ethyl acetate Freon 11 Freon 21 Freon 114/114A Freon 12 Freon 22 (mixed isomers)	1mL	48420-U	

RELATED INFORMATION

Ordering Information for Air Monitoring Methods

Order IP, TO, and/or NIOSH methods from:

NTIS
5285 Port Royal Road
Springfield, VA 22161 USA
(phone 703-487-4650)

Compendium of Methods for the Determination of Air Pollutants in Indoor Air (IP Methods)

NTIS order number
PB 90-200-288/AS (April 1990)

Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air (TO Methods)

NTIS order number
PB 90-127-374 (June 1988)

NIOSH Manual of Analytical Methods (4th supplement)

NTIS order number
PB 91-152-660 (August 1990)

Order: 1.800.325.3010 Technical Service: 1.800.359.3041 Web: www.sigma-aldrich.com/supelco

Chemical Standards

SUPELCO

Air Monitoring Standards

CARB Methods

Analysis of Carbonyls in Ambient Air

California Air Resources Board (CARB) –The following quantitative formulations were developed to support the analysis of aldehydes in ambient air by CARB Method 1004. Analysis is of the dinitrophenylhydrazine (DNPH) derivatives by HPLC-UV.

Concentrations stated are of the equivalent carbonyl before derivatization, except where noted. The Certificate of Analysis accompanying these products states both DNPH derivatized and non-derivatized concentrations.

MIXES AND SOLUTIONS	COMPOSITION	QTY.	CAT. NO.	PRICE
CARB Method 1004 DNPH Mix 1	13 analytes, 3µg/mL each (aldehyde equivalent) in acetonitrile Acetaldehyde-DNPH n-Butyraldehyde-DNPH Methacrolein-DNPH Acetone-DNPH Crotonaldehyde-DNPH Propionaldehyde-DNPH Acrolein-DNPH Formaldehyde-DNPH m-Tolualdehyde-DNPH Benzaldehyde-DNPH Hexaldehyde-DNPH Valeraldehyde-DNPH 2-Butanone-DNPH	1mL	47650-U	
CARB Method 1004 DNPH Mix 2	13 analytes, 30µg/mL each (aldehyde equivalent) in acetonitrile Acetaldehyde-DNPH n-Butyraldehyde-DNPH Methacrolein-DNPH Acetone-DNPH Crotonaldehyde-DNPH Propionaldehyde-DNPH Acrolein-DNPH Formaldehyde-DNPH m-Tolualdehyde-DNPH Benzaldehyde-DNPH Hexaldehyde-DNPH Valeraldehyde-DNPH 2-Butanone-DNPH	1mL	47651-U	
CARB Carbonyl-DNPH Mix 1	7 analytes (DNPH-derivative) in acetonitrile at the quantities indicated Acetaldehyde-DNPH, 1000µg/mL Acrolein-DNPH, 500µg/mL Formaldehyde-DNPH, 1500µg/mL Benzaldehyde-DNPH, 500µg/mL Benzaldehyde-DNPH, 500µg/mL Propionaldehyde-DNPH, 500µg/mL Acetone-DNPH, 500µg/mL n-Butyraldehyde-DNPH, 500µg/mL	1mL	47649-U	

Single Component Carbonyl-DNPH Solutions

These solutions of DNPH derivatives are designed as quantitative calibration mixtures where a multicomponent solution is available. At concentration indicated in 1mL acetonitrile, in an amber glass ampul.

SOLUTIONS	CAT. NO.	PRICE	SOLUTIONS	CAT. NO.	PRICE
Acetaldehyde-2,4-DNPH, 1000µg/mL	47340-U		Formaldehyde-2,4-DNPH, 100µg/mL	47177	
Acetone-2,4-DNPH, 1000µg/mL	47341		Glutaraldehyde-DNPH, 100µg/mL	47564-U	
Acrolein-2,4-DNPH, 1000µg/mL	47342		Hexaldehyde-2,4-DNPH, 1000µg/mL	47178-U	
Benzaldehyde-2,4-DNPH, 100µg/mL	47343		Isobutyraldehyde-2,4-DNPH, 100µg/mL	47886	
2-Butanone-2,4-DNPH, 100µg/mL	47344		Isovaleraldehyde-2,4-DNPH, 1000µg/mL	47179	
n-Butyraldehyde-2,4-DNPH, 1000µg/mL	47345-U		Methacrolein-2,4-DNPH, 100µg/mL	47180-U	
Crotonaldehyde-2,4-DNPH, 100µg/mL	47175-U		Propionaldehyde-2,4-DNPH, 1000µg/mL	47181	
Cyclohexanone-DNPH, 5000µg/mL	47673-U		o-Tolualdehyde-2,4-DNPH, 100µg/mL	47182	
2,5-Dimethylbenzaldehyde-2,4-DNPH, 100µg/mL	47176		m-Tolualdehyde-2,4-DNPH, 100µg/mL	47183	
			p-Tolualdehyde-2,4-DNPH, 100µg/mL	47184-U	
			Valeraldehyde-2,4-DNPH, 100µg/mL	47185-U	

Analysis of Automobile Exhaust

The following standards were developed in response to European requests for working and calibration check standards for ambient analysis of carbonyl emissions from auto exhaust. Methods for this analysis are equivalent to CARB Method 1004. Concentrations stated are of the equivalent carbonyl before derivatization. The Certificate of Analysis accompanying these products states both DNPH derivatized and non-derivatized concentrations.

MIXES AND SOLUTIONS	COMPOSITION	QTY.	CAT. NO.	PRICE
Carbonyl-DNPH Mix 1	13 analytes, 20µg/mL each (aldehyde equivalent) in acetonitrile, except where indicated Acetaldehyde-DNPH n-Butyraldehyde-DNPH Methacrolein-DNPH Acetone-DNPH Crotonaldehyde-DNPH Propionaldehyde-DNPH Acrolein-DNPH Formaldehyde-DNPH p-Tolualdehyde-DNPH Benzaldehyde-DNPH (40µg/mL) Valeraldehyde-DNPH Butanone-DNPH Hexaldehyde-DNPH	1mL	47672-U	
Carbonyl-DNPH Mix 2	14 analytes, 2µg/mL each (aldehyde equivalent) in acetonitrile, except where indicated Acetaldehyde-DNPH n-Butyraldehyde-DNPH Hexaldehyde-DNPH Acetone-DNPH Crotonaldehyde-DNPH Methacrolein-DNPH Acrolein-DNPH Cyclohexanone-DNPH Propionaldehyde-DNPH Benzaldehyde-DNPH (5µg/mL) p-Tolualdehyde-DNPH 2-Butanone-DNPH Formaldehyde-DNPH (4µg/mL) Valeraldehyde-DNPH	1mL	47671-U	

Order: 1.800.325.3010 Technical Service: 1.800.359.3041 Web: www.sigma-aldrich.com/supelco

Chemical Standards

SUPELCO

Compendium of Methods for the Determination of Toxic Organic Compounds in Air (TO)

MIXES AND SOLUTIONS	COMPOSITION	QTY.	CAT. NO.	PRICE
TO-1 METHOD DESCRIPTION: VOLATILE ORGANIC COMPOUNDS				
EPA TO-1 Toxic Organics Mix 1A	9 analytes, 2mg/mL each in methanol n-Heptane 1-Heptene Benzene	Toluene Ethylbenzene Isopropylbenzene (Cumene)	o-Xylene m-Xylene p-Xylene	1mL 48896
EPA TO-1 Toxic Organics Mix 1B	14 analytes, 2mg/mL each in methanol Allyl chloride Acrylonitrile Chloroform 1,2-Dichloroethane 1,1,1-Trichloroethane	Carbon tetrachloride 1,2-Dichloropropane Trichloroethylene 1,3-Dichloropropane Ethylene dibromide	Bromoform Tetrachloroethylene Chlorobenzene Bromobenzene	1mL 48897
TO-2 METHOD DESCRIPTION: VOLATILE ORGANIC COMPOUNDS				
EPA TO-2 Toxic Organics Mix 2A	3 analytes, 2mg/mL each in methanol Methylene chloride	Vinyl chloride	Vinylidene chloride	1mL 48898
TO-4 / TO-10 METHOD DESCRIPTION: ORGANOCHLORINE PESTICIDES BY CAPILLARY GC/ECD				
EPA Pesticide Mix	16 analytes at indicated concentrations in methanol:methylene chloride (98:2) Aldrin, 10µg/mL α-BHC, 10µg/mL β-BHC, 10µg/mL γ-BHC (Lindane), 10µg/mL δ-BHC, 10µg/mL 4,4'-DDD, 60µg/mL	4,4'-DDE, 20µg/mL 4,4'-DDT, 60µg/mL Dieldrin, 20µg/mL Endosulfan I, 20µg/mL Endosulfan II, 20µg/mL	Endosulfan sulfate, 60µg/mL Endrin, 20µg/mL Endrin aldehyde, 60µg/mL Heptachlor, 10µg/mL Heptachlor epoxide isomer B), 10µg/mL	1mL 48858-U
TO-5 / TO-11 METHOD DESCRIPTION: ALDEHYDES AND KETONES BY HPLC/UV				
TO11/IP-6A Aldehyde/ Ketone-DNPH Mix	15 analytes, 15µg/mL each (aldehyde equivalent) in acetonitrile Acetaldehyde-2,4-DNPH Acrolein-2,4-DNPH Acetone-2,4-DNPH Benzaldehyde-2,4-DNPH Butyraldehyde-2,4-DNPH	Crotonaldehyde-2,4-DNPH 2,5-Dimethylbenzaldehyde-2,4-DNPH Formaldehyde-2,4-DNPH Hexaldehyde-2,4-DNPH Isovaleraldehyde-2,4-DNPH	Propionaldehyde-2,4-DNPH Propionaldehyde-2,4-DNPH m-Tolualdehyde-2,4-DNPH o-Tolualdehyde-2,4-DNPH p-Tolualdehyde-2,4-DNPH Valeraldehyde-2,4-DNPH	1mL 47285-U
TO-7 METHOD DESCRIPTION: N-NITROSODIMETHYLAMINE BY CAPILLARY GC/MS				
N-Nitrosodimethylamine	Neat 200µg/mL in methanol 5000µg/mL in methanol			100mg 1mL 1mL 48552 48670 40059
TO-8 METHOD DESCRIPTION: CRESOL AND PHENOL BY HPLC/UV/EC/FI				
o-Cresol	5000µg/mL in methanol			1mL 40250-U
m-Cresol	5000µg/mL in methanol			1mL 40251-U
p-Cresol	5000µg/mL in methanol			1mL 40252-U
Phenol	5000µg/mL in methanol			1mL 40063
TO-13 METHOD DESCRIPTION: POLYNUCLEAR AROMATIC HYDROCARBONS BY GC/FID AND HPLC/UV				
TCL Polynuclear Aromatic Hydrocarbons Mix	16 analytes at indicated concentrations in acetonitrile:methanol (90:10) Acenaphthene, 1000µg/mL Acenaphthylene, 500µg/mL Anthracene, 20µg/mL Benzo(a)anthracene, 50µg/mL Benzo(b)fluoranthene, 20µg/mL	Benzo(k)fluoranthene, 20µg/mL Benzo(ghi)perylene, 80µg/mL Benzo(a)pyrene, 50µg/mL Chrysene, 50µg/mL Dibenzo(a,h)anthracene, 200µg/mL	Fluoranthene, 50µg/mL Fluorene, 100µg/mL Indeno(1,2,3-cd)pyrene, 50µg/mL Naphthalene, 500µg/mL Phenanthrene, 40µg/mL Pyrene, 100µg/mL	1mL 49156
EPA 610 Polynuclear Aromatic Hydrocarbons Mixture	16 analytes at indicated concentrations in methanol:methylene chloride (50:50) Acenaphthene, 1000µg/mL Acenaphthylene, 2000µg/mL Anthracene, 100µg/mL Benzo(a)anthracene, 100µg/mL Benzo(a)pyrene, 100µg/mL Benzo(b)fluoranthene, 200µg/mL	Benzo(k)fluoranthene, 100µg/mL Benzo(ghi)perylene, 200µg/mL Chrysene, 100µg/mL Dibenzo(a,h)anthracene, 200µg/mL Fluoranthene, 200µg/mL	Fluorene, 200µg/mL Indeno(1,2,3-cd)pyrene, 100µg/mL Naphthalene, 1000µg/mL Phenanthrene, 100µg/mL Pyrene, 100µg/mL	1mL 1mL 48743 4S8743

SS Separate Source standards. Prepared from independently sourced raw materials and quality controlled independently.

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Chemical Standards

SUPELCO

Air Monitoring Standards

US EPA TO-14 Method

Air Monitoring Standards in Gas

TO-14 Method description: SUMA Canister Sampling with GC/MS Analysis of Volatile Organics in Ambient Air

Scott TO-14 gas blends are packaged in SCOTTY 104 high pressure, transportable, laboratory-size cylinders. A SCOTTY 104 cylinder measures only 12¼" high and 3¼" in diameter (31cm x 8.3cm), but contains 104 liters of gas at 1800psi – enough gas to deliver adequate calibration for 80 or more uses. Each cylinder is equipped with CGA 110/180 fittings, to plumb directly to your gas system or through an appropriate regulator.

Where available, the components in Scott TO-14 gas calibration blends are traceable to NIST reference mixtures (NIST SRM 1804). All are certified for superior stability and accuracy. Shelf life: 1 year

MIXES AND SOLUTIONS	COMPOSITION	QTY.	CAT.NO.	PRICE	
TO-14 Calibration Mix 1	39 analytes, 100ppb each in nitrogen in a SCOTTY 104 cylinder, 1800psig			104 liters	41900-U
	39 analytes, 1ppm each in nitrogen in a SCOTTY 104 cylinder, 1800psig			104 liters	509981
	Benzene	cis-1,2-Dichloroethene	1,1,2,2-Tetrachloroethane		
	Bromomethane	1,2-Dichloropropane	Tetrachloroethylene		
	Carbon tetrachloride	cis-1,3-Dichloropropene	Toluene		
	Chlorobenzene	trans-1,3-Dichloropropene	1,2,4-Trichlorobenzene		
	Chloroform	Ethyl chloride	1,1,1-Trichloroethane		
	Chloromethane	Ethylbenzene	1,1,2-Trichloroethane		
	1,2-Dibromoethane	Halocarbon 12	Tri chloroethene		
	1,2-Dichlorobenzene	Halocarbon 11	1,2,4-Trimethylbenzene		
	1,3-Dichlorobenzene	Halocarbon 113	1,3,5-Trimethylbenzene		
	1,4-Dichlorobenzene	Halocarbon 114	Vinyl chloride		
	1,1-Dichloroethane	Hexachloro-1,3-butadiene	m-Xylene		
	1,2-Dichloroethane	Methylene chloride	o-Xylene		
	1,1-Dichloroethene	Styrene	p-Xylene		
TO-14 Aromatics Subset Mix	14 analytes, 100ppb each in nitrogen in a SCOTTY 104 cylinder, 1800psig			104 liters	41901
	Benzene	Ethylbenzene	1,3,5-Trimethylbenzene		
	Chlorobenzene	Styrene	m-Xylene		
	1,2-Dichlorobenzene	Toluene	o-Xylene		
	1,3-Dichlorobenzene	1,2,4-Trichlorobenzene	p-Xylene		
TO-14 Chlorinated Hydrocarbons Subset Mix	19 analytes, 100ppb each in nitrogen in a SCOTTY 104 cylinder, 1800psig			104 liters	41902
	Carbon tetrachloride	1,2-Dichloropropane	Tetrachloroethylene		
	Chloroform	cis-1,3-Dichloropropene	1,1,2,2-Tetrachloroethane		
	Chloromethane	trans-1,3-Dichloropropene	1,1,1-Trichloroethane		
	1,1-Dichloroethane	Ethyl chloride	1,1,2-Trichloroethane		
	1,2-Dichloroethane	Hexachloro-1,3-butadiene	Trichloroethene		
	1,1-Dichloroethene	Methylene chloride	Vinyl chloride		
	cis-1,2-Dichloroethene				
TO-14 CFC/HCFC Subset Mix	4 analytes, 100ppb each in nitrogen in a SCOTTY 104 cylinder, 1800psig			104 liters	41903
	Halocarbon 11	Halocarbon 113	Halocarbon 114		
TO-14 Reactive Subset Mix	3 analytes, 100ppb each in nitrogen in a SCOTTY 104 cylinder, 1800psig			104 liters	41911
	1,3-Butadiene	3-Chloropropene	4-Ethyltoluene		
TO-14 GC/MS Tuning Standard Bromofluorobenzene	2ppm in nitrogen in a SCOTTY 104 cylinder, 1800psig			104 liters	41913
JHAP-9 Mix*	9 analytes, 1ppm each in nitrogen in a SCOTTY 104 cylinder, 1800psig			104 liters	501123
	9 analytes, 100ppb each in nitrogen in a SCOTTY 104 cylinder, 1800psig			104 liters	507970
	Acrylonitrile	Chloroform	Tetrachloroethylene		
	Benzene	1,2-Dichloroethane	Trichloroethylene		
	1,3-Butadiene	Methylene chloride	Vinyl chloride		
JHAP-43 Mix	43 analytes, 1ppm each in nitrogen in a SCOTTY 104 cylinder, 1800psig			104 liters	500429
	43 analytes, 100ppb each in nitrogen in a SCOTTY 104 cylinder, 1800psig			104 liters	500011
	Acrylonitrile	1,2-Dichloroethane	Styrene		
	Benzene	1,1-Dichloroethene	1,1,2,2-Tetrachloroethane		
	Bromomethane	cis-1,2-Dichloroethene	Tetrachloroethylene		
	1,3-Butadiene	1,2-Dichloropropane	Toluene		
	Carbon tetrachloride	cis-1,3-Dichloropropene	1,2,4-Trichlorobenzene		
	Chlorobenzene	trans-1,3-Dichloropropene	1,1,1-Trichloroethane		
	Chloroform	Ethylbenzene	1,1,2-Trichloroethane		
	Chloromethane	Ethyl chloride	Trichloroethene		
	3-Chloropropylene	4-Ethyltoluene	1,2,4-Trimethylbenzene		
	(Allyl chloride)	Halocarbon 11	1,3,5-Trimethylbenzene		
	1,2-Dibromoethane	Halocarbon 113	Vinyl chloride		
	1,2-Dichlorobenzene	Halocarbon 114	m-Xylene		
	1,3-Dichlorobenzene	Halocarbon 12	o-Xylene		
	1,4-Dichlorobenzene	Hexachloro-1,3-butadiene	p-Xylene		
	1,1-Dichloroethane	Methylene chloride			
BTEX Gas Mix	6 analytes, 10ppm each in nitrogen in a SCOTTY 48 cylinder, 300psi			48 liters	501883
	Benzene	Toluene	o-Xylene		
	Ethylbenzene	m-Xylene	p-Xylene		

*This mix has been made available because of the renewal of the Japanese Air Pollution Prevention Law (effective April 1, 1997)

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Chemical Standards

SUPELCO

Air Monitoring Standards

US EPA TO-14 Method, SCOTTY 104 Accessories



P000908

Pressure Regulator for Use with TO-14 Cylinders

Aluminum body with stainless steel diaphragm

- Inlet pressure rating 0-2000psig
- Delivery pressure 1-25psig
- CGA 180 / 1/8-inch NPT (F)
- Supplied with 1/8-inch Swagelok NPT to 1/8-inch tube

DESCRIPTION	CAT. NO.	PRICE
Model 26 Pressure Regulator with gauge	41910-U	
without gauge	41907	
High Pressure Gauge only 0-2000psi	41908	



E00025

HPD Carrying Case with TO-14 Calibration Mix #1

DESCRIPTION	CAT. NO.	PRICE
Case with TO-14 Calibration Mix #1 at 100ppb (41900-U)	507881	
at 1ppm (509981)	507938	
at 100ppb (41900-U) and Model 6 regulator with connector (509965)	507946	
at 1ppm (509981) and Model 6 regulator with syringe adapter (501115)	507954	
at 1ppm (509981) and Model 6 regulator with connector (509965)	507962	
Case only	509973	



P000157

Model 6 SCOTTY Regulator for SCOTTY 104 Cylinders

- Stainless steel body with 316L stainless steel/Elgiloy diaphragm
- Supply pressure gauge 0-3000psig
- Delivery pressure range 0-100psig
- CGA 110/180 connector
- Regulator supplied with 1/8" tube connector or syringe adapter

DESCRIPTION	CAT. NO.	PRICE
with connector	509965	
with syringe adapter	501115	

Stand for SCOTTY 104 Cylinder

Ensures your SCOTTY 104 cylinder will be stable on a bench-top or other surface.



P000159

DESCRIPTION	CAT. NO.	PRICE
Stand	41909	

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Chemical Standards

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Scott Gas Standards

SCOTTY General Use Standards

Scott Specialty Gases

We offer an expanded line of pure gases and gas mixtures, manufactured for Supelco by Scott Specialty Gases.

Supelco warrants that the Scott calibration gas products listed below meet the analytical specifications for the period of time stated on the cylinder and/or the Certificate of Analysis. Shelf life 1 year, unless otherwise noted.



SPECIFICATIONS

SCOTTY 4

Contents: 4 liters, Pressure: 120psig, Outlet Fitting: Aerosol-type push button with applicator tube, Weight: ~100g, Dimensions: 2.5 x 8 in., D.O.T. Specs: 2Q

SCOTTY 14

Contents: 14 liters, Pressure: 240psig, Outlet Fitting: CGA-160-1/8" NPT F, Weight: 1.5 lb., Dimensions: 3 x 11 in., D.O.T. Specs: 4B240

SCOTTY 48

Contents: 48 liters, Pressure: 300psig, Outlet Fitting: CGA-165, Weight: 1.75 lb., Dimensions: 4 x 16.25 in., D.O.T. Specs: 39 NRC

SCOTTY 48-EL

Contents: 75 liters, Pressure: 480psig, Outlet Fitting: CGA-170, Weight: 1.75 lb., Dimensions: 4 x 16.25 in., D.O.T. Specs: 39 NRC

SCOTTY 104

Contents: 104 liters, Pressure: 1800psig, Outlet Fitting: CGA-180, Weight: 2.2 lb., Dimensions: 3.25 x 12.25 in., D.O.T. Specs: 3AL1800

GAS COMPOSITION AND CONCENTRATION	CYLINDER	CAT. NO.	PRICE
PURE GASES			
Air, zero (THC < 1ppm)	SCOTTY 4	501212	
	SCOTTY 14	501220	
	SCOTTY 48	501239	
Argon 99.995%	SCOTTY 4	501247	
	SCOTTY 14	501255	
Carbon dioxide 99.8%*	SCOTTY 14	23402	
	SCOTTY 48	501298	
Ethylene	SCOTTY 14	25881-U	
Hydrogen 99.99%	SCOTTY 14	300100	
Methane 99.0%	SCOTTY 14	22562	
Nitrogen	SCOTTY 4	25877-U	
	SCOTTY 14	25879-U	
Oxygen 99.6%	SCOTTY 14	300500	
TWO-COMPONENT MIXTURES			
Benzene in air (1ppm)	SCOTTY 48	303404	
Benzene in air (100ppm)	SCOTTY 48	303404	
1,3-Butadiene in nitrogen (10ppm)	SCOTTY 14	303405	
	SCOTTY 48	303406	
Carbon dioxide in helium (100ppm)*	SCOTTY 14	308200	
Carbon dioxide in nitrogen (100ppm)	SCOTTY 14	308300	
	SCOTTY 48	501301	
Carbon dioxide in nitrogen (1000ppm)	SCOTTY 14	501336	
	SCOTTY 48	501344	
Chlorine in nitrogen (10ppm)**	SCOTTY 104	501352	
Ethylene in air (10ppm)*	SCOTTY 14	501379	
Ethylene in helium (100ppm)	SCOTTY 14	22572	
Hydrogen in helium (100ppm)	SCOTTY 14	301200	
Hydrogen in nitrogen (1%)	SCOTTY 14	501417	
	SCOTTY 48	501425	
Hydrogen in nitrogen (100ppm)	SCOTTY 14	301300	
Methane in helium (100ppm)	SCOTTY 4	501441	
	SCOTTY 14	307200	
	SCOTTY 48	501468	
Methane in nitrogen (100ppm)	SCOTTY 14	14307300-U	
Methane in nitrogen (1%)	SCOTTY 4	501476	
	SCOTTY 14	23443	
Nitrogen in helium (100ppm)	SCOTTY 14	303200	
Nitrous oxide in nitrogen (1ppm)	SCOTTY 14	501514	
	SCOTTY 48	501522	
Nitrous oxide in nitrogen (10ppm)	SCOTTY 48	25883-U	
Oxygen in helium (10ppm)	SCOTTY 4	25878-U	

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Scott Gas Standards

SCOTTY General Use Standards

GAS COMPOSITION AND CONCENTRATION	CYLINDER	CAT. NO.	PRICE
Oxygen in helium (100ppm)	SCOTTY 14	305200	
Oxygen in nitrogen (2%)	SCOTTY 14	501549	
	SCOTTY 48	501557	
Oxygen in nitrogen (6%)	SCOTTY 4	501565	
	SCOTTY 14	501573	
Oxygen in nitrogen (10%)	SCOTTY 14	25880-U	
1,1,1-Trichloroethane in nitrogen (10ppm)	SCOTTY 48	303408	
Trichloroethylene in nitrogen (10ppm)	SCOTTY 14	303400	
	SCOTTY 48	303401	
Vinyl chloride in nitrogen (1ppm)	SCOTTY 14	22554	
	SCOTTY 48	501603	
Vinyl chloride in nitrogen (10ppm)	SCOTTY 14	22553	
Vinyl chloride in nitrogen (50ppm)	SCOTTY 14	22555-U	
Vinyl chloride in nitrogen (100ppm)	SCOTTY 14	22552	
Vinyl chloride in nitrogen (1000ppm)	SCOTTY 14	22556	
THREE-COMPONENT MIXTURES			
Carbon Dioxide and oxygen in nitrogen (1% / 20%)	SCOTTY 14	23441	
	SCOTTY 48	501638	
MULTI-COMPONENT MIXTURES			
Carbon monoxide, carbon dioxide, hydrogen & oxygen each at 0.5% in nitrogen	SCOTTY 14	23438	
	SCOTTY 48	501654	
Carbon monoxide, carbon dioxide, methane, ethane, ethylene & acetylene each at 1% in nitrogen	SCOTTY 4	501662	
	SCOTTY 14	23437	
	SCOTTY 48	23462	
Methane, carbon monoxide, carbon dioxide, hydrogen & oxygen each at 1% in nitrogen	SCOTTY 4	501670	
	SCOTTY 14	22561	
	SCOTTY 48	23463	
Carbon monoxide, carbon dioxide, nitrogen, & oxygen each at 5%, methane & hydrogen each at 4% in helium	SCOTTY 14	501697	
Carbon monoxide at 7%, carbon dioxide at 15% & oxygen at 5% in nitrogen	SCOTTY 14	23442	
Carbon monoxide & oxygen each at 7%, carbon dioxide at 15% and methane at 4.5% in nitrogen	SCOTTY 14	501743	
	SCOTTY 48	501751	
Branched paraffins, each at 15ppm: iso-butane, 2-methylbutane, 2,2-dimethylpropane, 2-methylpentane, 3-methylpentane, 2,2-dimethylbutane in nitrogen	SCOTTY 14	23445	
C1-C6 n-Paraffins, each at 15ppm: methane, ethane, propane, butane, pentane & hexane in nitrogen	SCOTTY 4	501778	
	SCOTTY 14	23444	
	SCOTTY 48	501786	
C1-C6 n-Paraffins, each at 100ppm: methane, ethane, propane, butane, pentane, hexane in nitrogen	SCOTTY 4	501840	
	SCOTTY 14	330300	
	SCOTTY 48	501859	
C1-C6 n-Paraffins, each at 100ppm: methane, ethane, propane, butane, pentane, hexane in helium	SCOTTY 4	501794	
	SCOTTY 14	330200	
	SCOTTY 48	501808	
C1-C6 n-Paraffins, each at 1000ppm: methane, ethane, propane, butane, pentane, hexane in helium	SCOTTY 4	501816	
	SCOTTY 14	501824	
	SCOTTY 48	501832	
C2-C4 Alkynes, each at 15ppm: acetylene, propyne, 1-butyne, 2-butyne in nitrogen	SCOTTY 4	22508	
C2-C6 Olefins, each at 100ppm: ethylene, propylene, 1-butene, 1-pentene, 1-hexene in nitrogen	SCOTTY 14	332300-U	
	SCOTTY 48	501875	
C2-C6 Olefins, each at 100ppm: ethylene, propylene, 1-butene, 1-pentene, 1-hexene in helium	SCOTTY 14	332200	
	SCOTTY 48	501867	
Methane, ethane, ethylene, acetylene, propane, propylene, propyne, n-butane each at 15ppm in nitrogen	SCOTTY 4	22566	
	SCOTTY 48	23470-U	
n-Butane, iso-butane, cis-2-butene, trans-2-butene, 1-butene, iso-butylene, 1,3-butadiene, ethyl acetylene each at 15ppm in nitrogen	SCOTTY 4	22567	
	SCOTTY 48	23471	
BTEX Mix**: benzene, ethylbenzene, toluene, m-xylene, o-xylene, p-xylene, each at 10ppm in nitrogen	SCOTTY 48	501883	
	SCOTTY 48-EL	25884-U	

* Pressure restricted due to either vapor pressure restriction or flammable oxidizer restriction.

** Maximum usable shelf life 6 months from date of manufacture. Supelco guarantees 4 months of usable shelf life from date of purchase.

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Chemical Standards

SUPELCO

Scott Gas Standards

Natural Gas Standards, SCOTTY Accessories

Natural Gas Reference Standards

Prepared gravimetrically with weights traceable to the National Institute of Standards and Technology, then verified by analysis. In 14-liter SCOTTY 14 cylinders. Shelf life: 1 year.

COMPONENT (MOLE PERCENT)	GPA STANDARD	CALORIMETRIC STANDARD	HIGH ETHANE STANDARD	HELIUM- ENRICHED STANDARD
Helium	0.50	—	—	2.00
Nitrogen	5.00	2.50	9.00	1.60
Carbon dioxide	1.00	3.00	0.50	0.20
Methane	70.50	88.73	64.00	88.90
Ethane	9.00	3.50	12.50	3.00
Propane	6.00	1.00	7.00	1.70
Isobutane	3.00	0.40	3.00	1.00
n-Butane	3.00	0.40	3.00	1.00
Isopentane	1.00	0.15	0.50	0.30
n-Pentane	1.00	0.15	0.50	0.30
Neopentane	—	0.10	—	—
n-Hexane	—	0.05	—	—
n-Heptane	—	0.02	—	—

STANDARD	BTU	QTY.	CAT. NO.	PRICE
GPA	1298	785g	303100-U	
Calorimetric	1028	790g	303101	
High Ethane	1500	763g	303102	
Helium-Enriched	1083	774g	303103	



Syringe Adapter for SCOTTY 14 and 48 Cylinders

Withdraw calibration gas into a syringe, through a silicone rubber septum. A vent at the septum permits purging prior to filling the syringe. Constructed of chromium-plated brass. Maximum pressure 240psi (16.9kg/cm²). 1/8" NPT male fitting.

DESCRIPTION	CAT. NO.	PRICE
Syringe Adapter	609010	
Additional Septa (pk. of 10)	608010	

Stand for SCOTTY 48 Cylinder

Stabilizes your cylinder on a benchtop or other surface.



DESCRIPTION	CAT. NO.	PRICE
Stand	500410	

Stand for SCOTTY 104 Cylinder

Ensures your SCOTTY 104 cylinder will be stable on a bench-top or other surface.



DESCRIPTION	CAT. NO.	PRICE
Stand	41909	

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Scott Gas Standards SCOTTY Accessories



Model 24 and Model 26 SCOTTY Single-Stage, General Purpose Regulators for SCOTTY 14, 48 and 48-EL Cylinders

Designed for noncorrosive service. Gauge displays remaining cylinder pressure, regulator adjusts delivery pressure

- Brass body with acetal resin bonnet/Viton diaphragm
- Tamper resistant, locking control knob
- Inlet connection 1/4 inch AN flare (CGA-165 or CGA-160)
- Maximum inlet pressure 300psig
- Delivery pressure range 1-60psig, can be preset
- Miniature

DESCRIPTION	CAT. NO.	PRICE
Model 24 Single-Stage Regulator with CGA-160 (for SCOTTY 14)	507911	
with CGA-165 (for SCOTTY 48)	501395	
Model 26 Single-Stage Regulator with CGA-170 (for SCOTTY 48-EL)	25885-U	



Pressure Regulator for SCOTTY 14 Cylinders

Reliable pressure regulation to 1psig (0.07kg/cm²) indicated on a 0-60psi (4.2kg/cm²) gauge. Easily connects to SCOTTY cylinders with the 1/8" NPT connector provided. You can also attach the syringe adapter (Cat. No. 609010) to the regulator for low pressure sample removal. Aluminum body with acetyl resin bonnet. Maximum inlet pressure: 400psi (28.1kg/cm²)

DESCRIPTION	CAT. NO.	PRICE
Regulator	513010	

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