

## EMPIRICAL LABORATORIES, LLC

### IN-HOUSE CAPABILITIES - SORTED BY METHOD NUMBER

Matrix	Method	Analyte	CAS
Water	1010A	Ignitability/Flashpoint	IGN
Water	1664A	Oil and Grease	OILGREASE
Water	6010C	Aluminum	7429-90-5
Water	6010C	Antimony	7440-36-0
Water	6010C	Arsenic	7440-38-2
Water	6010C	Barium	7440-39-3
Water	6010C	Beryllium	7440-41-7
Water	6010C	Boron	7440-42-8
Water	6010C	Cadmium	7440-43-9
Water	6010C	Calcium	7440-70-2
Water	6010C	Chromium, total	7440-47-3
Water	6010C	Cobalt	7440-48-4
Water	6010C	Copper	7440-50-8
Water	6010C	Iron	7439-89-6
Water	6010C	Lead	7439-92-1
Water	6010C	Magnesium	7439-95-4
Water	6010C	Manganese	7439-96-5
Water	6010C	Molybdenum	7439-98-7
Water	6010C	Nickel	7440-02-0
Water	6010C	Potassium	7440-09-7
Water	6010C	Selenium	7782-49-2
Water	6010C	Silver	7440-22-4
Water	6010C	Sodium	7440-23-5
Water	6010C	Strontium	7440-24-6
Water	6010C	Thallium	7440-28-0
Water	6010C	Tin	7440-31-5
Water	6010C	Titanium	7440-32-6
Water	6010C	Vanadium	7440-62-2
Water	6010C	Zinc	7440-66-6
Water	6010C low	Aluminum	7429-90-5
Water	6010C low	Antimony	7440-36-0
Water	6010C low	Arsenic	7440-38-2
Water	6010C low	Barium	7440-39-3
Water	6010C low	Beryllium	7440-41-7
Water	6010C low	Boron	7440-42-8
Water	6010C low	Cadmium	7440-43-9
Water	6010C low	Calcium	7440-70-2
Water	6010C low	Chromium, total	7440-47-3
Water	6010C low	Cobalt	7440-48-4
Water	6010C low	Copper	7440-50-8
Water	6010C low	Iron	7439-89-6
Water	6010C low	Lead	7439-92-1

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Matrix	Method	Analyte	CAS
Water	6010C low	Magnesium	7439-95-4
Water	6010C low	Manganese	7439-96-5
Water	6010C low	Molybdenum	7439-98-7
Water	6010C low	Nickel	7440-02-0
Water	6010C low	Potassium	7440-09-7
Water	6010C low	Selenium	7782-49-2
Water	6010C low	Silver	7440-22-4
Water	6010C low	Sodium	7440-23-5
Water	6010C low	Strontium	7440-24-6
Water	6010C low	Thallium	7440-28-0
Water	6010C low	Tin	7440-31-5
Water	6010C low	Titanium	7440-32-6
Water	6010C low	Vanadium	7440-62-2
Water	6010C low	Zinc	7440-66-6
Water	6850_	Perchlorate	14797-73-0
Water	7196A	Hexavalent Chromium	18540-29-9
Water	7470A	Mercury	7439-97-6
Water	8011_	1,2-Dibromo-3-chloropropane (DBCP)	96-12-8
Water	8011_	1,2-Dibromoethane (EDB)	106-93-4
Water	8011_	1,3-Dibromopropane (surrogate)	109-64-8
Water	8015C	4-Bromofluorobenzene (Surrogate GRO)	460-00-4
Water	8015C	o-Terphenyl (Surrogate)	84-15-1
Water	8015C	TPH DRO (DRO)	TPH-DRO
Water	8015C	TPH GRO (GRO)	TPH-GRO
Water	8015C	TPH ORO (ORO)	TPH-ORO
Water	8081B	4,4'-DDD	72-54-8
Water	8081B	4,4'-DDE	72-55-9
Water	8081B	4,4'-DDT	50-29-3
Water	8081B	Aldrin	309-00-2
Water	8081B	alpha-BHC (alpha-HCH)	319-84-6
Water	8081B	alpha-Chlordane	5103-71-9
Water	8081B	beta-BHC (beta-HCH)	319-85-7
Water	8081B	Chlordane (n.o.s.)	57-74-9
Water	8081B	Decachlorobiphenyl (Surrogate)	2051-24-3
Water	8081B	delta-BHC (delta-HCH)	319-86-8
Water	8081B	Dieldrin	60-57-1
Water	8081B	Endosulfan I	959-98-8
Water	8081B	Endosulfan II	33213-65-9
Water	8081B	Endosulfan sulfate	1031-07-8
Water	8081B	Endrin	72-20-8
Water	8081B	Endrin aldehyde	7421-93-4
Water	8081B	Endrin ketone	53494-70-5

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Matrix	Method	Analyte	CAS
Water	8081B	gamma-BHC (Lindane; gamma-HCH)	58-89-9
Water	8081B	gamma-Chlordane	5103-74-2
Water	8081B	Heptachlor	76-44-8
Water	8081B	Heptachlor epoxide	1024-57-3
Water	8081B	Methoxychlor	72-43-5
Water	8081B	Tetrachloro-m-xylene (Surrogate)	877-09-8
Water	8081B	Toxaphene	8001-35-2
Water	8082A	Aroclor-1016	12674-11-2
Water	8082A	Aroclor-1221	11104-28-2
Water	8082A	Aroclor-1232	11141-16-5
Water	8082A	Aroclor-1242	53469-21-9
Water	8082A	Aroclor-1248	12672-29-6
Water	8082A	Aroclor-1254	11097-69-1
Water	8082A	Aroclor-1260	11096-82-5
Water	8082A	Aroclor-1262	37324-23-5
Water	8082A	Aroclor-1268	11100-14-4
Water	8082A	Decachlorobiphenyl (Surrogate)	2051-24-3
Water	8082A	Tetrachloro-m-xylene (Surrogate)	877-09-8
Water	8151A	2,4,5-T	93-76-5
Water	8151A	2,4,5-TP (Silvex)	93-72-1
Water	8151A	2,4-D	94-75-7
Water	8151A	2,4-DB	94-82-6
Water	8151A	2,4-Dichlorophenylacetic acid (DCAA, Surrogate)	19719-28-9
Water	8151A	Dalapon	75-99-0
Water	8151A	Dicamba	1918-00-9
Water	8151A	Dichlorprop	120-36-5
Water	8151A	Dinoseb	88-85-7
Water	8151A	MCPA	94-74-6
Water	8151A	MCPP (Mecoprop)	7085-19-0
Water	8260B/C	1,1,1,2-Tetrachloroethane	630-20-6
Water	8260B/C	1,1,1-Trichloroethane (1,1,1-TCA)	71-55-6
Water	8260B/C	1,1,2,2-Tetrachloroethane	79-34-5
Water	8260B/C	113)	76-13-1
Water	8260B/C	1,1,2-Trichloroethane	79-00-5
Water	8260B/C	1,1-Dichloroethane (1,1-DCA)	75-34-3
Water	8260B/C	1,1-Dichloroethene (1,1-DCE)	75-35-4
Water	8260B/C	1,1-Dichloropropene	563-58-6
Water	8260B/C	1,2,3-Trichlorobenzene	87-61-6
Water	8260B/C	1,2,3-Trichloropropane	96-18-4
Water	8260B/C	1,2,4-Trichlorobenzene	120-82-1
Water	8260B/C	1,2,4-Trimethylbenzene	95-63-6
Water	8260B/C	1,2-Dibromo-3-chloropropane (DBCP)	96-12-8

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Matrix	Method	Analyte	CAS
Water	8260B/C	1,2-Dibromoethane (EDB)	106-93-4
Water	8260B/C	1,2-Dichlorobenzene (12DCB)	95-50-1
Water	8260B/C	1,2-Dichloroethane (EDC)	107-06-2
Water	8260B/C	1,2-Dichloroethane-d4 (Surrogate)	17060-07-0
Water	8260B/C	1,2-Dichloroethene (Total)	540-59-0
Water	8260B/C	1,2-Dichloropropane	78-87-5
Water	8260B/C	1,3,5-Trichlorobenzene	108-70-3
Water	8260B/C	1,3,5-Trimethylbenzene	108-67-8
Water	8260B/C	1,3-Dichlorobenzene (13DCB)	541-73-1
Water	8260B/C	1,3-Dichloropropane	142-28-9
Water	8260B/C	1,4-Dichlorobenzene (14DCB)	106-46-7
Water	8260B/C	1,4-Dioxane	123-91-1
Water	8260B/C	1-Chlorohexane	544-10-5
Water	8260B/C	2,2-Dichloropropane	594-20-7
Water	8260B/C	2-Butanone (Methyl ethyl ketone; MEK)	78-93-3
Water	8260B/C	2-Chloroethyl vinyl ether	110-75-8
Water	8260B/C	2-Chlorotoluene	95-49-8
Water	8260B/C	2-Hexanone (Methyl butyl ketone; MBK)	591-78-6
Water	8260B/C	4-Chlorotoluene	106-34-4
Water	8260B/C	4-Methyl-2-pentanone (Methyl isobutyl ketone; MIBK)	108-10-1
Water	8260B/C	Acetone	67-64-1
Water	8260B/C	Acetonitrile	75-07-0
Water	8260B/C	Acrolein	107-02-8
Water	8260B/C	Acrylonitrile	107-13-1
Water	8260B/C	Allyl chloride	107-05-1
Water	8260B/C	Benzene	71-43-2
Water	8260B/C	Bromobenzene	108-86-1
Water	8260B/C	Bromochloromethane	74-97-5
Water	8260B/C	Bromodichloromethane (Dichlorobromomethane)	75-27-4
Water	8260B/C	Bromofluorobenzene (Surrogate)	460-00-4
Water	8260B/C	Bromoform	75-25-2
Water	8260B/C	Bromomethane (methyl bromide)	74-83-9
Water	8260B/C	Carbon Disulfide	75-15-0
Water	8260B/C	Carbon Tetrachloride	56-23-5
Water	8260B/C	Chlorobenzene	108-90-7
Water	8260B/C	Chloroethane	75-00-3
Water	8260B/C	Chloroform	67-66-3
Water	8260B/C	Chloromethane (methyl chloride)	74-87-3
Water	8260B/C	Chloroprene (2-chloro-1,3-butadiene)	126-99-8
Water	8260B/C	cis-1,2-Dichloroethene (cis-1,2-DCE)	156-59-2
Water	8260B/C	cis-1,3-Dichloropropene	10061-01-5
Water	8260B/C	cis-1,4-Dichloro-2-butene	1476-11-5

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Matrix	Method	Analyte	CAS
Water	8260B/C	Cyclohexane	110-82-7
Water	8260B/C	Dibromochloromethane (Chlorodibromomethane)	124-48-1
Water	8260B/C	Dibromofluoromethane (Surrogate)	1868-53-7
Water	8260B/C	Dibromomethane	74-95-3
Water	8260B/C	Dichlorodifluoromethane (CFC-12)	75-71-8
Water	8260B/C	Diethyl ether	60-29-7
Water	8260B/C	Di-isopropyl ether	108-20-3
Water	8260B/C	Ethyl methacrylate	97-63-2
Water	8260B/C	Ethyl tert-Butyl Ether (ETBE)	637-92-3
Water	8260B/C	Ethylbenzene	100-41-4
Water	8260B/C	Hexachlorobutadiene (HCBd)	87-68-3
Water	8260B/C	Hexane	110-54-3
Water	8260B/C	Iodomethane	74-88-4
Water	8260B/C	Isobutyl alcohol	78-83-1
Water	8260B/C	Isopropylbenzene (Cumene)	98-82-8
Water	8260B/C	m,p-Xylene	108-38-3/106-42-3
Water	8260B/C	Methacrylonitrile	126-98-7
Water	8260B/C	Methyl Acetate	79-20-9
Water	8260B/C	Methyl methacrylate	80-62-6
Water	8260B/C	Methyl Tertiary Butyl Ether (MTBE)	1634-04-4
Water	8260B/C	Methylcyclohexane	108-87-2
Water	8260B/C	Methylene Chloride, or Dichloromethane	75-09-2
Water	8260B/C	Naphthalene	91-20-3
Water	8260B/C	n-Butylbenzene	104-51-8
Water	8260B/C	n-Propylbenzene	103-65-1
Water	8260B/C	o-Xylene	95-47-6
Water	8260B/C	p-Isopropyltoluene	99-87-6
Water	8260B/C	Propionitrile	107-12-0
Water	8260B/C	sec-Butylbenzene	135-98-8
Water	8260B/C	Styrene	100-42-5
Water	8260B/C	tert-Amyl Alcohol (2-butanol)	75-85-4
Water	8260B/C	tert-Amyl methyl ether	994-05-8
Water	8260B/C	tert-Butyl alcohol	75-65-0
Water	8260B/C	tert-Butylbenzene	98-06-6
Water	8260B/C	Tetrachloroethene (PCE; PERC)	127-18-4
Water	8260B/C	Tetrahydrofuran	109-99-9
Water	8260B/C	Toluene	108-88-3
Water	8260B/C	Toluene-d8 (Surrogate)	2037-26-5
Water	8260B/C	trans-1,2-Dichloroethene (trans-1,2-DCE)	156-60-5
Water	8260B/C	trans-1,3-Dichloropropene	10061-02-6
Water	8260B/C	trans-1,4-Dichloro-2-butene	110-57-6
Water	8260B/C	Trichloroethene (TCE)	79-01-6

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Matrix	Method	Analyte	CAS
Water	8260B/C	Trichlorofluoromethane (CFC-11)	75-69-4
Water	8260B/C	Vinyl acetate	108-05-4
Water	8260B/C	Vinyl Chloride (VC)	75-01-4
Water	8260B/C	Xylenes (total)	1330-20-7
Water	8270D	1,1'-Biphenyl	92-52-4
Water	8270D	1,2,4,5-Tetrachlorobenzene	95-94-3
Water	8270D	1,2,4-Trichlorobenzene	120-82-1
Water	8270D	1,2-Dichlorobenzene (12DCB)	95-50-1
Water	8270D	1,2-Diphenylhydrazine	122-66-7
Water	8270D	1,3-Dichlorobenzene (13DCB)	541-73-1
Water	8270D	1,4-Dichlorobenzene (14DCB)	106-46-7
Water	8270D	1,4-Dioxane	123-91-1
Water	8270D	1-Methylnaphthalene	90-12-0
Water	8270D	2,3,4,6-Tetrachlorophenol	58-90-2
Water	8270D	2,4,5-Trichlorophenol	95-95-4
Water	8270D	2,4,6-Trichlorophenol (TCP)	88-06-2
Water	8270D	2,4-Dichlorophenol (DCP)	120-83-2
Water	8270D	2,4-Dimethylphenol	105-67-9
Water	8270D	2,4-Dinitrophenol	51-28-5
Water	8270D	2,4-Dinitrotoluene (DNT)	121-14-2
Water	8270D	2,6-Dichlorophenol (DCP)	87-65-0
Water	8270D	2,6-Dinitrotoluene	606-20-2
Water	8270D	2,4,6-Tribromophenol (Surrogate)	118-79-6
Water	8270D	2-Chloronaphthalene	91-58-7
Water	8270D	2-Chlorophenol	95-57-8
Water	8270D	2-Fluorobiphenyl (Surrogate)	321-60-8
Water	8270D	2-Fluorophenol (Surrogate)	367-12-4
Water	8270D	2-Methylnaphthalene	91-57-6
Water	8270D	2-Methylphenol (o-Cresol)	95-48-7
Water	8270D	2-Nitroaniline	88-74-4
Water	8270D	2-Nitrophenol (ONP)	88-75-5
Water	8270D	3,3'-Dichlorobenzidine (DCB)	91-94-1
Water	8270D	3-Methylphenol/4-Methylphenol	108-39-4/106
Water	8270D	3-Nitroaniline	99-09-2
Water	8270D	4,6-Dinitro-2-methylphenol (DNOC)	534-52-1
Water	8270D	4-Bromophenyl phenyl ether	101-55-3
Water	8270D	4-Chloro-3-methylphenol	59-50-7
Water	8270D	4-Chloroaniline	106-47-8
Water	8270D	4-Chlorophenyl phenyl ether	7005-72-3
Water	8270D	4-Nitroaniline (PNA)	100-01-6
Water	8270D	4-Nitrophenol (PNP)	100-02-7
Water	8270D	Acenaphthene	83-32-9



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Matrix	Method	Analyte	CAS
Water	8270D	Acenaphthylene	208-96-8
Water	8270D	Acetophenone	98-86-2
Water	8270D	Aniline	62-53-3
Water	8270D	Anthracene	120-12-7
Water	8270D	Atrazine	1912-24-9
Water	8270D	Benzaldehyde	100-52-7
Water	8270D	Benzidine	92-87-5
Water	8270D	Benzo(a)anthracene	56-55-3
Water	8270D	Benzo(a)pyrene	50-32-8
Water	8270D	Benzo(b)fluoranthene	205-99-2
Water	8270D	Benzo(g,h,i)perylene	191-24-2
Water	8270D	Benzo(k)fluoranthene	207-08-9
Water	8270D	Benzoic Acid	65-85-0
Water	8270D	Benzyl alcohol	100-51-6
Water	8270D	bis(2-Chloroethoxy)methane	111-91-1
Water	8270D	bis(2-Chloroethyl)ether (BCEE)	111-44-4
Water	8270D	Chloropropane)	108-60-1
Water	8270D	bis(2-Ethylhexyl)phthalate (BEHP)	117-81-7
Water	8270D	Butyl benzyl phthalate (BBP)	85-68-7
Water	8270D	Caprolactam	105-60-2
Water	8270D	Carbazole	86-74-8
Water	8270D	Chrysene	218-01-9
Water	8270D	Dibenz(a,h)anthracene	53-70-3
Water	8270D	Dibenzofuran (DBF)	132-64-9
Water	8270D	Diethyl phthalate (DEP)	84-66-2
Water	8270D	Dimethyl phthalate (DMP)	131-11-3
Water	8270D	Di-n-butyl phthalate (DBP)	84-74-2
Water	8270D	Di-n-octyl phthalate (DNOP)	117-84-0
Water	8270D	Fluoranthene	206-44-0
Water	8270D	Fluorene	86-73-7
Water	8270D	Hexachlorobenzene (HCB)	118-74-1
Water	8270D	Hexachlorobutadiene (HCBd)	87-68-3
Water	8270D	Hexachlorocyclopentadiene (HCCPD)	77-47-4
Water	8270D	Hexachloroethane (HCE)	67-72-1
Water	8270D	Indeno(1,2,3-cd)pyrene	193-39-5
Water	8270D	Isophorone	78-59-1
Water	8270D	Naphthalene	91-20-3
Water	8270D	Nitrobenzene	98-95-3
Water	8270D	Nitrobenzene-d5 (Surrogate)	4165-60-0
Water	8270D	N-Nitrosodimethylamine	62-75-9
Water	8270D	N-Nitroso-di-n-propylamine (NDPA)	621-64-7
Water	8270D	N-nitrosodiphenylamine (NDPHA)	86-30-6

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Matrix	Method	Analyte	CAS
Water	8270D	Pentachlorophenol	87-86-5
Water	8270D	Phenanthrene	85-01-8
Water	8270D	Phenol	108-95-2
Water	8270D	Phenol-d6 (Surrogate)	13127-88-3
Water	8270D	Pyrene	129-00-0
Water	8270D	Pyridine	110-86-1
Water	8270D	Terphenyl-d14 (Surrogate)	1718-51-0
Water	8270D low	1,2,4,5-Tetrachlorobenzene	95-94-3
Water	8270D low	1,4-Dioxane	123-91-1
Water	8270D low	1-Methylnaphthalene	90-12-0
Water	8270D low	2-Chloronaphthalene	91-58-7
Water	8270D low	2-Fluorobiphenyl (Surrogate)	321-60-8
Water	8270D low	2-Methylnaphthalene	91-57-6
Water	8270D low	Acenaphthene	83-32-9
Water	8270D low	Acenaphthylene	208-96-8
Water	8270D low	Anthracene	120-12-7
Water	8270D low	Benzo(a)anthracene	56-55-3
Water	8270D low	Benzo(a)pyrene	50-32-8
Water	8270D low	Benzo(b)fluoranthene	205-99-2
Water	8270D low	Benzo(g,h,i)perylene	191-24-2
Water	8270D low	Benzo(k)fluoranthene	207-08-9
Water	8270D low	bis(2-Ethylhexyl)phthalate (BEHP)	117-81-7
Water	8270D low	Carbazole	86-74-8
Water	8270D low	Chrysene	218-01-9
Water	8270D low	Dibenz(a,h)anthracene	53-70-3
Water	8270D low	Dibenzofuran (DBF)	132-64-9
Water	8270D low	Di-n-octyl phthalate (DNOP)	117-84-0
Water	8270D low	Fluoranthene	206-44-0
Water	8270D low	Fluorene	86-73-7
Water	8270D low	Hexachlorobenzene (HCB)	118-74-1
Water	8270D low	Hexachlorobutadiene (HCBD)	87-68-3
Water	8270D low	Hexachlorocyclopentadiene (HCCPD)	77-47-4
Water	8270D low	Hexachloroethane (HCE)	67-72-1
Water	8270D low	Indeno(1,2,3-cd)pyrene	193-39-5
Water	8270D low	Isophorone	78-59-1
Water	8270D low	Naphthalene	91-20-3
Water	8270D low	N-Nitroso-di-n-propylamine (NDPA)	621-64-7
Water	8270D low	N-nitrosodiphenylamine (NDPHA)	86-30-6
Water	8270D low	Pentachlorophenol	87-86-5
Water	8270D low	Phenanthrene	85-01-8
Water	8270D low	Phenol	108-95-2
Water	8270D low	Pyrene	129-00-0



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<b>Matrix</b>	<b>Method</b>	<b>Analyte</b>	<b>CAS</b>
Water	8270D low	Terphenyl-d14 (Surrogate)	1718-51-0
Water	8330A	1,3,5-Trinitrobenzene	99-35-4
Water	8330A	1,3-Dinitrobenzene	99-65-0
Water	8330A	1-Chloro-3-nitrobenzene (Surrogate)	121-73-3
Water	8330A	2,4,6-Trinitrophenylmethylnitramine (Tetryl)	479-45-8
Water	8330A	2,4,6-Trinitrotoluene (TNT)	118-96-7
Water	8330A	2,4-Dinitrotoluene (DNT)	121-14-2
Water	8330A	2,6-Dinitrotoluene	606-20-2