



New Compounds / Tests Performed by MAI in 2005 - 2006

PDBEs (Polybrominated Biphenylethers)

PBDE 28, 47, 99, 100, 153, 154, 183, 209

Fire Retardants

Firemaster BP-600

Dow FR-250

PBBs (Polybrominated Biphenyls)

Hexabromobiphenyls (NOS)

Octabromobiphenyls (NOS)

Pyrethrins & Pyrethroids

pyrethrin I, II

allethrin, tetramethrin, resmethrin, d-phenothrin, bioresmethrin, and permethrin
cypermethrin, cyfluthrin, deltamethrin, cyphenothrin, fenvalerate, and fluvalinate

Algaecides

Acrolein & 3-Hydroxypropanal

Light Hydrocarbons in Water

methane, ethane, ethene

Non-Routine VOCs

ethyl acetate, amyl acetate, isopropyl acetate, limonene, acetonitrile, THF

Non-Routine SVOCs

4-bromophenol, 4-chlorophenol, 1,1'-biphenyl

Tear Gas Agents

CN (a-Chloroacetophenone)

CS analog (a-Chlorobenzylidene malononitrile)

Alcohols in Various Matrices including Air, water & soil

Methanol, ethanol, IPA, ethylene glycol, glycerol, tris (hydroxymethyl) nitromethane

All non-sterically hindered monols, diols & triols with MW < ~400 should be able to be analyzed by this method

Ethylene Glycol Ethers

EGME, EGEE, EGPE

Fractionated Hydrocarbons

THPCWG fractionated aliphatics & aromatics

Organometallics

Organo Lead: TML & TEL by GC (soil, water, air)

Organo Tins: Mono-, Di-, Tri- & Tetrabutyl Tin

Metals

P, Pt, S, Re, Ta, Th, U, W

TTLIC Hexachrome

Anions

Perchlorate RL lowered to 0.5 ug/L



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Miscellaneous

Ozone

Bench Study of ORC (oxygen release compounds), specifically ozone, effects on contacted sediment & water & their contaminants

Fish Toxicity

CA Title 22 Hazardous Waste 96h LC₅₀ Acute Fish Bioassay

96h Static Non-Renewal Acute Fish Bioassay Screen for Effluent & Receiving Water

48h Static Non-Renewal Acute Fish Bioassay Screen for Effluent

96h Static Renewal-1x48h Acute Fish Bioassay Screen for Effluent

96h Static Renewal-3x24h Acute Fish Bioassay Screen for Effluent

96h Static Non-Renewal Acute Fish Bioassay Definitive Test for Effluent

Vitamins

Carotenoids: Zeaxanthin, Lutein by HPLC