ASTM Methods

Method	ISERA P/N		Example
D1983	GC11-UM2C00	ERAcc-CN, 60m, ID 0.25 mm, df 0.20 µm	FAME analysis
D2245	GC11-UM2C00	ERAcc-CN, 60 m, ID 0.25 mm, df 0.20 µm	Oils and oil acids in solvent-reducible paints
D2267	GC11-0M2DG0	ERAcc-TCEP, 60 m, ID 0.25 mm, df 0.60 µm	Aromatics in light naphthas and aviation gasolines
D2306	GC11-SM2200	ERAcc-WAX, 60 m, ID 0.25 mm, df 0.25 µm	C8 aromatic hydrocarbons
D2360	GC11-SM3200	ERAcc-WAX, 60 m, ID 0.32 mm, df 0.25 µm	Trace impurities in monocyclic aromatic hydrocarbons and total aromatic determination
D2426	GC11-1F5F00	ERAcc-1, 30 m, ID 0.53 mm, df 1.50 µm	Butadiene dimer and styrene in butadiene concentrates
D2456	GC11-SF5100	ERAcc-WAX, 30 m, ID 0.53 mm, df 1.00 µm	Polyhydric alcohols in alkyd resins
D2505	GC11-1F5600	ERAcc-1, 30 m, ID 0.53 mm, df 5.00 µm	Ethylene, other hydrocarbons and carbon dioxide in high-purity ethylene
D2597		30% SE-30 on Chromosorb PAW 80/100 Molecular Sieve 13X 45/60	Analysis of demethanozed hydrocarbon liquid mixtures containing nitrogen and carbon dioxide
D2580	GC11-BE3D00	xERAcc-5MS-SP, 25 m, ID 0.32 mm, df 0.40 µm	Phenols in water
	GC11-TF5100	ERAcc-FFAP, 30 m, ID 0.53 mm, df 1.00 µm	
D2600	GC11-0M2DG0	ERAcc-TCEP, 60 m, ID 0.25 mm, df 0.40 µm	Aromatic traces in light saturated hydrocarbons
	GC11-SE3F00	ERAcc-WAX, 25 m, ID 0.32 mm, df 1.20 µm	
D2743	GC11-UM2C00	ERAcc-CN, 60 m, ID 0.25 mm, df 0.20 µm	Oil and oil acids
D2800	GC11-UM2C00	ERAcc-CN, 60 m, ID 0.25 mm, df 0.20 µm	FAME analysis
D2804	GC11-SF5100	ERAcc-WAX, 30 m, ID 0.53 mm, df 1.00 µm	Purity of methyl ethyl ketone
	GC11-NC5100	ERAcc-210, 15 m, ID 0.53 mm, df 1.00 µm	
D2887	GC11-0B5J80	ERAsc-2887, 10 m, ID 0.53 mm, df 2.65 µm	Boiling range distribution of petroleum
Extended	GC11-1A5E00	ERAcc-1, 5 m, ID 0.53 mm, df 0.88 µm	
D2908	GC11-6F3G00	ERAsc-624, 30 m, ID 0.32 mm, df 1.80 µm	Volatile organics in water
	GC11-6F5300	ERAsc-624, 30 m, ID 0.53 mm, df 3.00 µm	
	GC11-SF3500	ERAcc-WAX, 30 m, ID 0.32 mm, df 0.50 µm	
	GC11-SF5100	ERAcc-WAX, 30 m, ID 0.53 mm, df 1.00 µm	
D2998	GC11-1F3100	ERAcc-1, 30 m, ID 0.32 mm, df 1.00 µm	Polyhydric alcohols in alkyd resins
D2999	GC11-1F5F00	ERAcc-1, 30 m, ID 0.53 mm, df 1.50 µm	Monopentaerythritol in commercial pentaerythritol
D3009	GC11-SF3500	ERAcc-WAX, 30 m, ID 0.32 mm, df 0.50 µm	Composition of turpentine
	GC11-SF5100	ERAcc-WAX, 30 m, ID 0.53 mm, df 1.00 µm	
D3054	GC11-1K3500	ERAcc-1, 50 m, ID 0.32 mm, df 0.50 µm	Impurities in cyclohexane
D3086	GC11-5K2A00	ERAcc-5, 50 m, ID 0.25 mm, df 0.12 µm	Organochlorine pesticides in water
D3168	GC11-1F3100	ERAcc-1, 30 m, ID 0.32 mm, df 1.00 µm	Polymers in emulsion paints
	GC11-1F5F00	ERAcc-1, 30 m, ID 0.53 mm, df 1.50 µm	
D3257		25% Bis-(2-cyanoethyl)formamide on Chromosorb PAW	Aromatics in mineral spirits
D3271	GC11-SF5100	ERAcc-WAX, 30 m, ID 0.53 mm, df 1.00 µm	Solvent analysis in paints
D3304	GC11-5K2A00	ERAcc-5, 50 m, ID 0.25 mm, df 0.12 µm	PCBs in environmental materials
D3328	GC11-1F3300	ERAcc-1, 30 m, ID 0.32 mm, df 3.00 µm	Comparison of waterborne petroleum oils
	GC11-1F5300	ERAcc-1, 30 m, ID 0.53 mm, df 3.00 µm	
D3329	GC11-SM5100	ERAcc-WAX, 60 m, ID 0.53 mm, df 1.00 µm	Purity of methyl isobutyl ketone
D3432	GC11-1F3100	ERAcc-1, 30 m, ID 0.32 mm, df 1.00 µm	Toluene diiscocyanates in urethane prepolymers
	GC11-1F5F00	ERAcc-1, 30 m, ID 0.53 mm, df 1.50 µm	
D3447	GC11-1K5600	ERAcc-1, 50 m, ID 0.53 mm, df 5.00 µm	Purity of trichlorotrifluoroethane (CFC-113)
D3452	GC11-1F5F00	ERAcc-1, 30 m, ID 0.53 mm, df 1.50 µm	Identification of rubber
D3457	GC11-UM2C00	ERAcc-CN, 60 m, ID 0.25 mm, df 0.20 µm	FAME analysis
D3465	GC11-1E3E00	ERAcc-1, 25 m, ID 0.32 mm, df 0.52 µm	Purity of monomeric plasticizers
	GC11-1F5F00	ERAcc-1, 30 m, ID 0.53 mm, df 1.50 µm	
D3524	GC11-1B5E00	ERAcc-1, 10 m, ID 0.53 mm, df 0.80 µm	Diesel fuel diluent used in diesel engine oil
		10% OV-101 on Chromosorb WAW 80/100	
D3525		10% Dexsill 300 on Chromosorb WAW 80/100	Gasoline diluent in used gasoline engine oils
D3534	GC11-5K2200	ERAcc-5, 50 m, ID 0.25 mm, df 0.25 µm	PCB in water
D3606	GC11-AC2000	ERAcc-1MS, 15 m, ID 0.25 mm, df 0.10 µm	Benzene and toluene in gasoline
	GC11-0M2DG0	ERAcc-TCEP, 60 m, ID 0.25 mm, df 0.40 µm	
D3687	GC11-SF3500	ERAcc-WAX, 30 m, ID 0.32 mm, df 0.50 µm	Volatile organic compounds
	GC11-SF5100	ERAcc-WAX, 30 m, ID 0.53 mm, df 1.00 µm	

Method	ISERA P/N		Example
D3710	GC11-1Z5600	ERAcc-1, 7.5 m, ID 0.53 mm, df 5.00 µm	Boiling range distribution of gasoline and gasoline fractions
D3725	GC11-TF5100	ERAcc-FFAP, 30 m, ID 0.53 mm, df 1.00 µm	Fatty acids in drying oils
D3760	GC11-SM3200	ERAcc-WAX, 60 m, ID 0.32 mm, df 0.25 µm	Analysis of isopropylbenzene (cumene)
	GC11-1M3500	ERAcc-1, 60 m, ID 0.32 mm, df 0.50 µm	
D3797	GC11-SM3500	ERAcc-WAX, 60 m, ID 0.32 mm, df 0.50 µm	Analysis of o-Xylene
D3798	GC11-SM3500	ERAcc-WAX, 60 m, ID 0.32 mm, df 0.50 µm	Analysis of p-Xylene
	GC11-SM3200	ERAcc-WAX, 60 m, ID 0.32 mm, df 0.25 µm	
D3876	GC11-1F3100	ERAcc-1, 30 m, ID 0.32 mm, df 1.00 µm	Methoxyl and hydroxypropyl substitution in cellulose ether products
	GC11-1F5F00	ERAcc-1, 30 m, ID 0.53 mm, df 1.50 µm	
D3962	GC11-TF5100	ERAcc-FFAP, 30 m, ID 0.53 mm, df 1.00 µm	Impurities in styrene
D4059	GC11-5K2200	ERAcc-5, 50 m, ID 0.25 mm, df 0.25 µm	PCBs in insulating liquids
D4275	GC11-1F3300	ERAcc-1, 30 m, ID 0.32 mm, df 3.00 µm	Butylated hydroxy toluene in ethylene and ethylenevinylacetate polymers
	GC11-1F5300	ERAcc-1, 30 m, ID 0.53 mm, df 3.00 µm	
D4367		10% SE-30 on Chromosorb WAW 80/100	Benzene in hydrocarbon solvents
		25% TCEP on Chromosorb PAW 80/100	
D4415	GC11-TF3200	ERAcc-FFAP, 30 m, ID 0.32 mm, df 0.25 µm	Determination of dimer and acrylic acid
D4420	GC11-AC2000	ERAcc-1MS, 15 m, ID 0.25 mm, df 0.10 µm	Aromatics in gasoline
	GC11-0M2DG0	ERAcc-TCEP, 60 m, ID 0.25 mm, df 0.40 µm	
D4492	GC11-SM3200	ERAcc-WAX, 60 m, ID 0.32 mm, df 0.25 µm	Analysis of benzene
D4534	GC11-0M2DG0	ERAcc-TCEP, 60 m, ID 0.25 mm, df 0.40 µm	Benzene content of cyclic products
D4735	GC11-TF5100	ERAcc-FFAP, 30 m, ID 0.53 mm, df 1.00 µm	Trace thiophene in refined benzene
D4768	GC11-TF5100	ERAcc-FFAP, 30 m, ID 0.53 mm, df 1.00 µm	Phenol and cresol inhibitors in insulating oils
D4815	GC11-1F5600 +	ERAcc-1, 30 m, ID 0.53 mm, df 5.00 µm	MTBE, ETBE, TAME, DIPE, tert-amyl alcohol, C1-C4 alcohols in gasoline
	TCEP precolumn	TCEP precolumn (0.56 m)	
D4864	GC11-5C5F00	ERAcc-5, 15 m, ID 0.53 mm, df 1.50 µm	Traces of methanol in propylene
D5008	GC11-1B5600	ERAcc-1, 10 m, ID 0.53 mm, df 5.00 µm	Ethyl methyl pentanol content and purity of 2-ethylhexanol
	GC11-SF3200	ERAcc-WAX, 30 m, ID 0.32 mm, df 0.25 µm	
D5060	GC11-SM3500	ERAcc-WAX, 60 m, ID 0.32 mm, df 0.50 µm	Impurities in high-purity ethylbenzene
D5134	GC11-0KP510	ERAsc-50.2 PONA, 50 m, ID 0.20 mm, df 0.50 µm	Impurities in high-purity ethylbenzene
D5135	GC11-SM3500	ERAcc-WAX, 60 m, ID 0.32 mm, df 0.50 µm	Styrene analysis
D5307		10% UCW-982 on Chromosorb PAW 80/100	Boiling range distribution of crude oil-simulated distillation of crude oil through 538°C
		3% OV-1 on Chromosorb WHP 80/100	
		10% SE-30 on Chromosorb PAW 80/100	
D5310	GC11-5F2200	ERAcc-5, 30 m, ID 0.25 mm, df 0.25 µm	Tar acid composition
	GC11-KEPC00	ERAcc-225, 25 m, ID 0.20 mm, df 0.20 µm	
D5399	GC11-1B5300	ERAcc-1, 10 m, ID 0.53 mm, df 3.00 µm	Boiling point distribution of hydrocarbon solvents
D5441	GC11-0V2520	ERAsc-PETROL, 100 m, ID 0.25 mm, df 0.50 µm	Analysis of MTBE
	GC11-0KP510	ERAsc-50.2 PONA, 50 m, ID 0.20 mm, df 0.50 µm	
D5442	GC11-1F2200	ERAcc-1, 30 m, ID 0.25 mm, df 0.25 µm	Analysis of petroleum waxes
	GC11-5F2200	ERAcc-5, 30 m, ID 0.25 mm, df 0.25 µm	
D5480	GC11-1M5600	ERAcc-1, 60 m, ID 0.53 mm, df 5.00 µm	Engine oil volatility by GC
D5501	GC11-0V2520	ERAsc-PETROL, 100 m, ID 0.25 mm, df 0.50 µm	Ethanol content of denatured fuel ethanol
D5504	GC11-0F3K40	ERAsc-SULFUR, 30 m, ID 0.32 mm, df 1.0 µm	Sulfur compounds in natural gas and gaseous fuels by GC and SCD
D5580	GC11-1F5600 +	ERAcc-1, 30 m, ID 0.53 mm, df 5.0 µm	Aromatics in gasoline
	TCEP precolumn	TCEP precolumn (0.56 m)	
D5599	GC11-1M2100	ERAcc-1, 60 m, ID 0.25 mm, df 1.00 µm	Oxygenates in gasoline by GC and oxygen selective flame ionization detector
D5623	GC11-0F3K40	ERAsc-SULFUR, 30 m, ID 0.32 mm, df 4.0 µm	Sulfur compounds in light petroleum liquids by GC and sulfur selective detection
D5713	GC11-0KP510	ERAsc-50.2 PONA, 50 m, ID 0.20 mm, df 0.50 µm	Analysis of high-purity benzene for cyclohexane feedstock by capillary GC
D5769	GC11-1M2100	ERAcc-1, 60 m, ID 0.25 mm, df 1.00 µm	Determination of benzene, toluene and total aromatics in finished gasoline by GC/MS
	GC11-1M3600	ERAcc-1, 60 m, ID 0.32 mm, df 5.00 µm	

ASTM Methods

Method	ISERA P/N		Example
D5917	GC11-SM3200	ERAcc-WAX, 60 m, ID 0.32 mm, df 0.25 µm	Trace impurities in monocyclic aromatic hydrocarbons by GC and external calibration
D6144	GC11-1M2100	ERAcc-1, 60 m, ID 0.25 mm, df 1.00 µm	alpha-Methylstyrene by capillary GC
D6159	GC11-1F5600	ERAcc-1, 30 m, ID 0.53 mm, df 5.00 µm	Hydrocarbon impurities in ethylene
E0202	GC11-DE2C00	xERAcc-WAX-MS, 25 m, ID 0.25 mm, df 0.20 µm	Analysis of glycols
E1100	GC11-DF5500	xERAcc-WAX-MS, 30 m, ID 0.53 mm, df 0.50 µm	Analysis of denaturated ethanol