APPENDIX 6*

Petroleum Product Chromatograms

Carburator Cleaner
Automotive Gasoline
Mineral Spirits #1
Mineral Spirits #2
JP-4 Jet Fuel (old)
JP-4 Jet Fuel (new)
JP-5 Jet Fuel
Kerosene
Kerosene (ICP grade)
Gasoline and #2 Diesel Oil
Natural Gas Condensate
#2 Fuel Oil
#2 Fuel Oil (38% aromatic) (See chromatogram in NWTPH-Dx)
#2 Diesel Oil (See chromatogram in NWTPH-Dx)
#2 Diesel Oil and Motor Oil (30w) (See chromatogram in NWTPH-Dx)
2-Cycle Engine Oil #1
2-Cycle Engine Oil #2
2-Cycle Engine Oil #3
Motor Oil (30w) (See chromatogram in NWTPH-Dx)
Automatic Transmission Fluid
Power Steering Fluid
Transformer Oil (used)
Transformer Oil (new)
Hydraulic Fluid #1
Hydraulic Fluid #2
Hydraulic Fluid #3
Mineral Oil #1
Mineral Oil #2
Cutting Oil #1
Cutting Oil #2
Bunker-C #1
Bunker-C #2
CSS-1 (emulsion asphalt)
AR-4000 (asphalt cement)

Non-petroleum Product Chromatograms

Turpentine
Creosote
Synthetic Motor Oil

* The chromatograms are not available in the "electronic" version. They are included in the printed publication.
Chromatograms: NWTPH-Gx

Gasoline
Weathered Gasoline
Naphtha
Mineral Spirits #1
Mineral Spirits #2
Mineral Spirits #3

Chromatograms: NWTPH-Dx

#2 Diesel Oil
#2 Diesel Oil/Motor Oil
#2 Fuel Oil (38% Aromatic)
Kerosene (Deodorized)
Jet Fuel A
Bunker C #1
Bunker C #2
Motor Oil 30 Wgt.
Mineral Oil (USP)
Hydraulic Fluid
Transformer Oil
Gas Oil
CHROMATOGRAMS: NWTPH-HCID
CARBURATOR CLEANER (GUMOUT)

200 ppm

Sig. 1 in C:\HPCHEN\4\DATA\STANDARD\037F0101.D
MINERAL SPIRITS #1

200 ppm
MINERAL SPIRITS #2

200 ppm

Sig. 1 in C:\HPCHEM\4\DATA\STANDARD\039F0101.D
JP-4 JET FUEL (OLD)

200 ppm
JP-5 JET FUEL

200 ppm
KEROSENE (DEODORIZED)

ICP GRADE

200 ppm
GASOLINE and #2 DIESEL

20 ppm and 50 ppm
NATURAL GAS CONDENSATE

200 ppm

Sig. 1 in C:\HPCHEM\4\DATA\STANDARD\038F0101.D
#2 FUEL OIL

200 ppm
2-CYCLE ENGINE OIL (TEXACO)
400 ppm
AUTOMATIC TRANSMISSION FLUID

400 ppm
POWER STEERING FLUID

400 ppm

Sig. 1 in C:\HPCHEM\4\DATA\STANDARD\029F0101.D
TRANSFORMER OIL (NEW)

400 ppm

Sig. 1 in C:\HPCHEM\4\DATA\STANDARD\050F0101.D
HYDRAULIC FLUID (CASTROL)

400 ppm

Sig. 1 in C:\HPCHEM\4\DATA\STANDARD\052F0101.D
HYDRAULIC FLUID

(UNKNOWN BRAND)

400 ppm
MINERAL OIL #1 USP

400 ppm

Sig. 1 in C:\HPCHEM\4\DATA\STANDARD\047F0101.D
CUTTING OIL
(brand unknown)

400 ppm

Sig. 1 in C:\HPCHEM\4\DATA\STANDARD\026F0101.D
CUTTING OIL (RIGID)

400 ppm

Sig. 1 in C:\HPCHEM\4\DATA\STANDARD\025F0101.D
BUNKER-C (AROMATIC CUTTER)

400 ppm

SIG. 1 in C:\HPCHEM\4\DATA\STANDARD\014F0101.D
1.5 ppm

Fig. 1 in C:\HPCHEM4\DATA\STANDARD\013F0101.D
AR-4000 ASPHALT

Sig. 1 in C:\HPCHEM\4\DATA\STANDARD\042F0101.D
TURPENTINE

200 ppm

Figure 1 in C:\HPCHEM\4\DATA\STANDARD\031F0101.D
CREOSOTE (ATCO)

200 ppm
CREOSOTE

200 ppm

Fig. 1 in C:\HPCHEM\4\DATA\STANDARD\019F0101.D
SYNTHETIC MOTOR OIL

400 ppm
SYNTHETIC MOTOR OIL
REDLINE BRAND

400 ppm
CHROMATOGRAMS: NWTPH-Gx
WEATHERED GASOLINE

10 ppm
MINERAL SPIRITS #1

0.80 ppm

Sig. 2 in C:\HPCHEM\1\DATA\STANDARD\003R0101.D
MINERAL SPIRITS #2

0.60 ppm

Signal 2 in C:\HPCHEM\DATA\STANDARD\004R0101.D
MINERAL SPIRITS #3

0.60 ppm

Sig. 2 in C:\HPCHEM\1\DATA\STANDARD\005RO101.D
CHROMATOGRAMS: NWTPH-Dx
#2 DIESEL/MOTOR OIL

200ppm/400ppm

S12. 1 in C:\HPCHEM\4\DATA\STANDARD\007F0101.D
#2 FUEL OIL

(38% AROMATIC)

200 ppm

Sig. 1 in C:\HPCHEM\4\DATA\STANDARD\005F0101.D
KEROSENE (DEODORIZED)

200ppm
JET-A JET FUEL

200 ppm
TRANSFORMER OIL

400ppm

 Sig. 1 in C:\HPCHEM\4\DATA\STANDARD\008F0101.D