NIST Standard Reference Materials

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A.) Engineering Materials

a. Forensics

No.	Description
	Ethanol Solutions
1.	Ethanol-Water Solutions
2.	Ethanol-Water Solution (nom., 0.02 %)
3.	Ethanol-Water Solution (nom., 0.04 %)
4.	Ethanol-Water Solution (nom., 0.08 %)
5.	Ethanol-Water Solution (nom., 0.1 %)
6.	Ethanol-Water Solution (nom., 0.2 %)
7.	Ethanol-Water Solution (nom., 0.3 %)
8.	Ethanol-Water Solution, (nom. 2%)
9.	Ethanol-Water Solution, (nom. 6%)
10.	Ethanol-Water Solution, (nominal 25 % by mass)
11.	Ethanol-Water Solution, (nominal 95.6%)
	Drugs of Abuse (hair, serum, and urine)
1.	THC-COOH in Freeze-Dried Urine
2.	Benzoylecgonine (Cocaine Metabolite) in Freeze-dried Urine
3.	Multi Drugs of Abuse in Urine
4.	Drugs of Abuse in Frozen Human Serum
5.	Drugs of Abuse in Human Hair I
6.	Drugs of Abuse in Human Hair II
7.	Morphine and Codeine in Urine
8.	Morphine Glucuronide in Urine
9.	Cotinine in Freeze-Dried Human Urine
	DNA Profiling (solid forms)
1.	Cytomegalovirus (CMV) for DNA Measurements
2.	Human DNA Quantitation Standard
3.	PCR Based DNA Profiling Standard
4.	Mitochondrial DNA Sequencing
5.	CAG Repeat Length Mutation in Huntington's Disease
6.	Heteroplasmic Mitochondrial DNA Mutation Detection Std
7.	Human Y-Chromosome DNA Profiling Standard
8.	Oxidative DNA Damage Mass Spectrometry Standards
9.	Fragile X Human DNA Triplet Repeat Standard
	Crime Scene Investigations
1.	Arson Test Mixture in Methylene Chloride
2.	Standard Bullet
3.	Trace Particulate Explosive Simulants
4.	Trace Explosives Calibration Solutions
5.	Trace Terrorist Explosives Simulants
6.	Additives in Smokeless Powder
	Forensics
1.	Currently not available

b. Sizing

No.	Description
	Particle Size (powder and solid forms)
1.	Particle Size Distribution Standard for Sedigraph Calibration
2.	Glass Beads - Particle Size Distribution
3.	Glass (Particle Size)
4.	Polystyrene Spheres (1 µm Diameter Particle Size)
5.	Polystyrene Spheres (0.3 µm Diameter Particle Size)
6.	Polystyrene Spheres (30 µm Diameter Particle Size)
7.	Nominal 100 nm Diameter Polystyrene Spheres
8.	Nominal 60 nm Diameter Polystyrene Spheres
9.	Polystyrene Spheres (on Slide) (10 µm Particle Size)
10.	Zirconium Oxide (Particle Size)
11.	Zirconia Thermal Spray Powder
12.	Thermal Spray Powder - Particle Size Distribution Tungsten Carbide/Cobalt (Acicular)
13.	Thermal Spray Powder - Particle Size Distribution Tungsten Carbide/Cobalt (Spheroidal)
14.	Sand for Sand Sieve Analysis
15.	Gold Nanoparticles, Nominal 10nm Diameter
16.	Gold Nanoparticles, Nominal 30nm Diameter
17.	Gold Nanoparticles, Nominal 60nm Diameter
18.	Titanium Dioxide Powder - Particle Size Distribution
	Cement Fineness
1.	Portland Cement Fineness Std
	Electrophoretic Mobility, E (suspension form)
1.	Positive Electrophoretic Mobility
	Surface Area of Powders and Mercury Porosimetry Standards
1.	Specific Surface Area Standard
2.	Mercury Porosimetry Standard
3.	Mercury Porosimeter Intrusion Standard
4.	Controlled Pore Glass - BET Specific Surface Area (300nm)
5.	Controlled Pore Glass - BET Specific Surface Area (18nm)
6.	Silica Fume
	Particle Count Materials (powder and suspension forms)
1.	Medium Test Dust (MTD) in Hydraulic Fluid
2.	Medium Test Dust (MTD)
3.	Ultra Fine Test Dust

c. Surface Finish

No.	Description
	Microindentation Hardness (block form)
1.	Copper Microhardness Test Block (Knoop)
2.	Microhardness Cu-Vickers
3.	Nickel Microhardness Test Block (Knoop)
4.	Microhardness Ni-Vickers
5.	Microhardness, Ni-Knoop
6.	Vickers Microhardness of Nickel
7.	Knoop Microhardness of Steel
8.	Vickers Microhardness of Steel

9.	Microhardness, Ceramic-Knoop
10.	Vickers Hardness, Ceramics and Hardmetals
	Abrasive Wear (block form)
1.	Tool Steel for Abrasive Wear
	Surface Roughness (block form)
1.	Sinusoidal Roughness
2.	Sinusodial Roughness
	Rockwell Hardness (block form)
1.	Rockwell C Hardness, Low Range
2.	Rockwell C Hardness, Mid Range
3.	Rockwell C Hardness, High Range
4.	Rockwell Hardness 15N Scale Low Range (Nominal 72 HR 15N)
5.	Rockwell Hardness 15N Scale Mid Range (Nominal 83 HR 15N)
6.	Rockwell Hardness 15N Scale,High Range (Nominal 91 HR 15N)
7.	Rockwell Hardness 30N Scale Low Range (Nominal 45 HR30N)
8.	Rockwell Hardness 30N Scale Mid Range (Nominal 64 HR30N)
9.	Rockwell Hardness 15N Scale High Range (Nominal 79 HR30N)

d. Nondestructive Evaluation

No.	Description
	Artificial Flaw for Eddy Current NDE
1.	Artificial Flaw for Eddy Current

e. Fire Research

No.	Description
	Surface Flammability (sheet form)
1.	Hard Board (Surface Flammability)
	Smoke Density Chamber (sheet form)
1.	Smoke Density Chamber Standard
	Smoke Toxicity (granular and sheet forms)
1.	Smoke Toxicity (Cup Furnace)
2.	Smoke Toxicity (University of Pittsburgh)
	Flooring Radiant Panel (sheet form)
1.	Flooring Radiant Panel
	Standard Cigarettes for Ignition Strength and Ignition Resistance Testing
1.	Cigarette Ignition Strength Standard
2.	Standard Cigarette for Ignition Resistance Testing

f. Miscellaneous Performance Engineering Materials

No.	Description
	Impact Standards: Charpy V-Notch and Izod Impact Specimens
1.	Low-Energy Charpy V-Notch Impact Specimen (NIST-Verification)
2.	Low Energy Charpy V-Notch Impact Specimen (Self- Verification)
3.	High-Energy Charpy V-Notch Impact Specimen (NIST-Verification)
4.	High Energy Charpy V Notch Impact Specimen (Self-Verification)
5.	Super High-Energy Charpy V-Notch Impact Specimen (NIST-Verification)
6.	Dynamic Impact Force Verific Specimens (Nominal 24kN)
7.	Dynamic Impact Force Verific, Specimens (Nominal 33kN)
8.	Low Energy Izod Impact Specimen (NIST-Verification)
	Tape Adhesion Testing (sheet form)
1.	Linerboard
	Bleached Kraft Pulps (sheet form)
1.	Northern Softwood
2.	Eucalyptus Hardwood
	Secondary Ferrite Standards
1.	Secondary Ferrite Number Standard - Low Range
2.	Secondary Ferrite Number Standard - High Range
	Fracture Toughness of Ceramics
1.	Fracture Toughness of Ceramic
	Magnetic Moment
1.	Magnetic Moment Standard Nickel Disk
2.	Magnetic Susceptibility Standard - Platinum Cylinder
3.	Nickel Sphere for Magnetic Moment
4.	Magnetic Moment Standard - Yttrium Iron Garnet Sphere

B.) Physical Properties

a. Ion Activity

No.	Description
	pH Calibration (powder form)
1.	Potassium Hydrogen Phthalate, pH Standard
2.	pH Standards, (set of 186-I-g + 186-II-g)
3.	Sodium Tetraborate (Borax), pH
4.	Potassium Hydrogen Tartrate, pH
5.	Potassium Tetroxalate Dihydrate pH Standard
6.	pH Standards, (set of 191d-I + 191d-II)
7.	Calcium Carbonate pH Standard
	Biological Buffer Systems (powder form)
1.	HEPES Free Acid
2.	NaHEPESate
3.	MOPSO Free Acid
4.	NaMOPSOate
	pD Calibration (powder form)
1.	Pot. Hydrogen Phthalate
2.	Potassium Dihydrogen Phosphate
3.	Disodium Hydrogen Phosphate
4.	Sodium Bicarbonate
5.	Sodium Carbonate
	Ion-Selective Electrode Calibration (powder form)
1.	Sodium Chloride (Ion-Selective)
2.	Potassium Chloride (Ion-Selective Electrodes)
3.	Potassium Fluoride (Ion-Selective Electrodes)
	Electrolytic Conductivity (liquid form)
1.	Aqueous Electrolytic Conductivity (25 µS/cm)
2.	Aqueous Electrolytic Conductivity, (100 µS/cm)
3.	Aqueous Electrolytic Conductivity (500 µS/cm)
4.	Aqueous Electrolytic Conductivity (1000 µS/cm)
5.	Aqueous Electrolytic Conductivity (5 µS/cm)
6.	Aqueous Electrolytic Conductivity (15 µS/cm)

b. Polymeric Properties

No.	Description
	Polymers (liquid, pellet, and powder forms)
1.	Polystyrene
2.	Low Density Polyethylene Resin
3.	Polyethylene Resin
4.	Polyethylene, Linear
5.	Branched Polyethylene Resin
6.	Polystyrene, Narrow Mol. Wt.
7.	Polyethylene, 14 K Molecular Weight
8.	Poly (methyl methacrylate)
9.	Polyethylene Gas Pipe Resin
10.	Non-Newtonian Polymer Solution for Rheological Measurements

11.	Non-Newtonian Polymer Melt for Rheology
12.	Polystyrene Absolute Molecular Mass Distribution Standard
13.	Polyethylene (6280 g/mol)
14.	Polyethylene (87000 g/mol)
15.	Polyethylene (196,400 g/mol)
16.	Tissue Engineering Reference, Scaffold
17.	Ultra High Molecular Weight Polyethylene

c. Thermodynamic Properties

No.	Description
	Combustion Calorimetry (powder form)
1.	Benzoic Acid (Calorimetric Standard)
2.	Thianthrene Combustion Calorimetry
3.	Synthetic Refuse-Derived Fuel
4.	Nicotinic Acid (Combustion Calorimetric Standard)
5.	Urea (Combustion Calorimetric Standard)
	Solution Calorimetry
1.	Potassium Chloride, KCl (cr) for Solution Calorimetry
	Differential Scanning Calorimetry and Differential Thermal Analysis
1.	DSC Enthalpy Tin
2.	Mercury (Differential Scanning Calorimeters)
3.	Indium DSC Calibration Standard - Temperature and Enthalpy of Fusion
4.	Gallium for Thermal Analysis
5.	Bismuth for Thermal Analysis
	Defining Fixed Point, International Temperature Scale of 1990, ITS-90 (solid forms)
1.	Zinc (Freezing Point)
2.	Tin (Freezing Point)
3.	Mercury (Triple Point)
4.	Aluminum (Freezing Point)
5.	Indium (Freezing Point)
6.	Silver (Freezing Point)
7.	Gallium Melting-Point
	Defining Fixed Point Cells, International Temperature Scale of 1990, ITS-90
1.	Tin Freezing Point Cell
2.	Zinc Freezing Point Cell
	Reference Points (solid forms)
1.	Cu Freezing Point
2.	Lead Freezing Point
3.	Alumina (Reference Point)
	Freezing Point, Melting Point, and Triple Point Cells (solid forms)
1.	Gallium Melting Point
2.	Rubidium Triple Point
3.	Succinonitrile Triple Point
4.	Indium Freezing-Point
5.	1,3-Dioxolan-2-one Triple Point
	Thermocouple Materials
1.	Gold vs. Platinum Thermocouple Thermometer
2.	Standard Platinum Resistance Thermometer
3.	Pt Thermocouple Wire
	Thermal Conductivity of Graphite and Iron (rod form)
1.	Iron Electrolytic
2.	Graphite, Thermal Conductivity

	Thermal Expansion of Metal, Glass (rod form)
1.	Borosilicate Glass - Thermal Expansion
2.	Borosilicate Glass - Thermal Expansion
3.	Borosilicate Glass - Thermal Expansion
4.	Stainless Steel - Thermal Expansion
	Thermal Resistance and Thermal Conductivity Properties of Glass, Silica, and Polystyrene (solid forms)
1.	Thermal Resistance - Fumed Silica Board
2.	Thermal Conductivity, Fibrous Glass Board
3.	Thermal Resistance - Fibrous Glass Blanket for High Precison Measurements
4.	Thermal Resistance Expanded Polystyrene Board
5.	Thermal Resistance - Fumed Silica Board
	Thermoelectric Materials
1.	Low Temperature Seebeck Coefficient Standard

d. Optical Properties

No.	Description
	Molecular Absorption (film, filter, solid, and solution forms)
1.	Liquid Absorbance Filters, UV-VIS
2.	Potassium Dichromate, UV Absorbance Standard
3.	IR Transmission Wavelength (Polystyrene Film)
4.	Potassium Dichromate Solution/UV Absorbance Standard
5.	Metal-on-Quartz Filters
6.	Near Infrared Transmission Wavelength
7.	Near Infrared Wavelength/, Wavenumber
8.	ear-IR Wavelength/Wavenumber Reflection
9.	Solvent Red 24 Diesel Fuel Dye
10.	Infrared Transmittance Standard
11.	Ultraviolet-Visible-Near-Infrared Transmission Wavelength/Vacuum Wavenumber Standard
	Optical Properties
1.	Sucrose Optical Rotation
2.	Microcopy Resolution Test Charts
3.	Refractive Index Standard
4.	Liquid Refractive Index - Mineral Oil
5.	Fluorescein Solution
6.	Multi-Angle White Reflectance Standard
7.	Near-IR Wavelength/Wavenumber Reflection
8.	Relative Intensity Correction Standard for Raman Spectroscopy: 785 nm Excitation
9.	Rel.Intensity Corr.Std. for, Raman Spectroscopy (532 nm Ex)
10.	Rel.Intensity Corr. Std for, Raman Spec. 488 nm and 514.5nm
11.	Relative Intensity Correction Standard for Raman Spectroscopy: 1064 nm Excitation
12.	Relative Intensity Correction Standard for Raman Spectroscopy: 633 nm Excitation
13.	Relative Intensity Correction Standard for Fluorescence Spectroscopy: Orange Emission 412 nm
14.	Relative Intensity Correction Standard for Fluorescence Spectroscopy: Green Emission 427 nm
15.	Relative Intensity Correction Standard for Fluorescence Spectroscopy: Ultraviolet Emission 310.0 nm
16.	Relative Intensity Correction Standard for Fluorescence Spectroscopy: Blue Emission
17.	Relative Intensity Correction Standard for Fluorescence Spectroscopy: Red Emission
	Optical Properties-Notes

e. Radioactivity

No.	Description
	Radiation Dosimetry (wire form)
1.	Neutron Density Monitor Wire
	Fission Track Glass (wafer form)
1.	Currently not available
	Special Nuclear Materials
1.	Currently not available
	Radioactive Solutions
1.	Carbon-14 Hexadecane Radioactivity Standard Solution
2.	Nickel-63 Radioactivity Standard Solution
3.	Cesium-137 Radioactivity Standard Solution
4.	Strontium-90 Radioactivity Standard Solution
5.	Barium-133 Radioactivity Standard Solution
6.	Holmium-166m Gamma-ray Emission Rate Standard Solution
7.	Technetium-99 Radioactivity Standard Solution
8.	Curium-244 Radioactivity Standard Solution
9.	Natural Uranium Radioactivity Standard Solution
10.	Americium-241 Radioactivity Standard Solution
11.	Plutonium-238 Radioactivity Standard Solution
12.	Uranium-232 Radioactivity Standard Solution
13.	Polonium-209 Radioactivity Standard Solution
14.	Thorium-229 Radioactivity Standard Solution
15.	Curium-243 Radioactivity Standard Solution
16.	Plutonium-239 Radioactivity Standard Solution
17.	Americium-243 Radioactivity Standard Solution
18.	Plutonium-242 Radioactivity Standard Solution
19.	Lead-210 Radioactivity Standard Solution
20.	Plutonium-240 Radioactivity Standard Solution
21.	Radium-228 Radioactivity Standard Solution
22.	Plutonium-241 Radioactivity Standard Solution
23.	Neptunium-237 Radioactivity Standard Solution
24.	Thorium-230 Radioactivity Standard Solution
25.	Hydrogen-3 Water Radioactivity Standard
26.	Europium-152 Radioactivity Standard Solution
27.	Cobalt-60 Radioactivity Standard Solution
28.	Strontium-90 Radioactivity Standard Solution
29.	Hydrogen-3 Water Radioactivity Standard
30.	Iron-55 Radioactivity Standard Solution
31.	Chlorine-36 Radioactivity Standard Solution
32.	Hydrogen-3 Toluene Radioactivity Standard Solution
33.	Iodine-129 Radioactivity Standard Solution
34.	Radium-226 Radioactivity Standard Solution
	Radiopharmaceuticals (solution and gaseous forms)
1.	Iodine-131 Radioactivity Standard Solution
2.	Thallium-201 Radioactivity Standard Solution
3.	Iodine-125 Radioactivity Standard Solution
4.	Technetium-99m Radioactivity Standard Solution
5.	Molybdenum-99 Radioactivity Standard Solution
6.	Xenon-133 Radioactivity Standard Gas
7.	Gallium-67 Radioactivity Standard Solution

8.	Indium-111 Radioactivity Standard Solution
9.	Yttrium-90 Radioactivity Standard Solution
	Carbon-14 Dating (solid form)
1.	Oxalic Acid Powder
	Accelerator Mass Spectrometry (solution form)
1.	Beryllium-10/9 Solution
	Radon Emanation (encapsulated solution form)
1.	Radon-222 Emanation Standard
	Radioactive Natural Matrix Materials (powder form)
1.	River Sediment (Radioactivity)
2.	Human Lung Powder
3.	Human Liver Powder
4.	Rocky Flats Soil Number 2
5.	Lake Sediment Powder
6.	Peruvian Soil Powder
7.	Ashed Bone (Radioactivity)
8.	Ocean Sediment Powder
9.	Seaweed Radionuclide Standard

f. Electrical Properties

No.	Description
	Electrical Resistivity and Conductivity of Iron (rod form)
1.	Iron Electrolytic
	Electrical Resistivity and Conductivity of Silicon (block and wafer forms)
1.	Silicon Resistivity
	Superconducting Critical Current (wire form)
1.	Superconducting Nb-Ti Wire

g. Metrology

No.	Description
	Scanning Electron Microscope (SEM)
1.	Microscope Magnification Standard
2.	SEM Magnification RM
3.	Scanning Electron Microscope Sharpness Standard
4.	Scanning Electron Microscope Scale Calibration Artifact
5.	Aluminum Wafer Drop-In Sample Holder (6 in)
6.	Aluminum Wafer Drop-In Sample Holder (8 in)
	Optical Microscope Linewidth Measurement (photomask)
1.	Photomask Linewidth Calibration Standard
	Depth Profiling (wafer form)
1.	Phosphorus Implant in Si Depth Profile
2.	Arsenic in Silicon
3.	Ni-Cr Thin Film Depth Profile
4.	B Implant in Si Depth Profile
	Optoelectronics (solid forms)
1.	Wavelength Calibration Reference for 1560 nm to 1595 nm (Carbon Monoxide C-12/O-16)
2.	Wavelength Calibration Reference for 1595 nm to 1630 nm (Carbon Monoxide C-13/O-16)
3.	High Resolution Wavelength Calibration Reference for 1510–1540 nm Acetylene 12C2H2
4.	Polarization Mode Dispersion
5.	High Resolution Wavelength Calibration Reference for 1530-1565 nm Hydrogen Cyanide
6.	Optical Fiber Diameter

7.	Pin Gage for Optical Fiber Ferrul
8.	Optical Fiber Ferrule Geometry
9.	Polarization-Mode Dispersion (Non-Mode-Coupled)
10.	Coplanar Waveguide Calibration Set
	Nonmagnetic Coating Thickness (plate form)
1.	Coating Thickness Standard, (Nonmagnetic Coating on Steel)
	Solder Thickness (plate form)
1.	Sn-Pb Alloy Coating
	Microscale Dimensional Measurement Standards
1.	Microscope Magnification Standard
2.	Overlay Wafer Standard
3.	Two-Dimensional Grid Photomask, Std
4.	Scanning Electron Microscope Scale Calibration Artifact

h. Ceramics and Glasses

No.	Description
	Chemical Resistance [Durability] of Glass (solid form)
1.	Soda-Lime Silica (Durability)
2.	Borosilicate (Durability)
	Electrical Properties of Dielectrics
1.	Lead-Silica, for dc resistivity
2.	Lead-Silica (Dielectric Constant)
3.	Relative Permittivity and Loss Tangent, 1422 Cross-Linked Polystyrene
	Viscosity of Glass (bar form)
1.	Hi Boron Glass Viscosity
	Glass Liquidus Temperature (solid form)
1.	Soda-Lime-Silica (Glass Liquidus)
2.	Aluminosilicate Glass for Liquidus Temperature
	Viscosity Fixpoints (solid forms)
1.	Extra Dense Lead
2.	Alumina Glass Anneal Pt
3.	Hi Boron Glass Viscosity
	Relative Stress Optical Coefficient (bar form)
1.	Extra Dense Lead
	Density (liquid form)
1.	Toluene Liquid Density
2.	Isooctane Liquid Density

i. X-Ray Diffraction

No.	Description
	X-Ray Diffraction (powder and solid forms)
1.	Silicon Powder Line Position + Line Shape Std for Powder Dif
2.	Silicon Nitride Powders for Quantitative Analysis
3.	Line Position and Line Shape, Std for Powder Diffraction
4.	X-Ray Powder Diffraction Intensity Set (Quantitative Powder Diffraction Standard)
5.	Line Position, Mica (XRD)
6.	Alumina Powder for Quantitative Analysis by X-ray Diffraction
7.	Respirable Alpha Quartz
8.	Respirable Cristobalite
9.	Instrument Response Std for, X-Ray Powder Diffraction
10.	Lattice Parameter/Single, Crystal (Ruby Spheres)

11.	Standard Silicon Single Crystal Wafer for Crystalline Orientation
12.	Standard Sapphire Single Crystal Wafer for Crystalline Orientation
13.	Calibration Standard for High-Resolution X-Ray Diffraction

C.) Chemical Composition

a. Ferrous Metals

No.	Description
	Plain Carbon Steels (chip form)
1.	Bessemer Steel (Simulated), 0.1 % Carbon
2.	Basic Open-Hearth Steel, 0.4% Carbon
3.	0.6% Carbon Steel
4.	Carbon Steel (AISI 1078)
5.	Basic Open-Hearth Steel, 0.1% Carbon
6.	Basic Open- Hearth Steel, 1% carbon
7.	Basic Electric Steel, 0.2% Carbon
8.	AISI 1045 Steel
9.	Basic Open-Hearth Steel, 0.5% Carbon (Tin Bearing)
10.	0.4C Basic Oxygen Furnace Steel
11.	Carbon Steel (AISI 1211)
	Low Alloy Steels (chip form) [150 g units (unless otherwise noted)]
1.	LA Steel, Cr-V (SAE 6150)
2.	Nickel-Chromium Steel (SAE 3140)
3.	LA Steel, Ni-Mo (SAE 4820)
4.	Chromium-Molybdenum Steel
5.	LA Steel (AISI 4130)
6.	LA Steel, Manganese (SAE T340)
7.	LA Steel, Cr-Mo-Al (Nitralloy rG)
8.	LA Steel, High Silicon
9.	LA Steel, High Sulfur (SAE 112)
10.	Low Alloy Silicon Steel
11.	LA Steel, Cr-Ni-Mo (AISI 8640)
12.	LA Steel, Cr-W
13.	LA Steel, 1.0 C
14.	LA Steel, High Silicon
15.	LA Steel, Cr-Mo (ASTM A 213)
16.	LA Steel, Cr-Ni-Mo (AISI 8620)
17.	LA Steel, (HSLA 100)
	Special Low Alloy Steels (chip and pin forms) [150-g units (unless otherwise noted)]
1.	AISI 4340 Steel
2.	Chromium-Vanadium Steel (Modified)
3.	LA Steel, High C (mod.)
4.	LA Steel, Carbon & Sulfur only
5.	Low Alloy Steel
6.	LA Steel, F
7.	LA Steel, G
8.	High Purity Iron
	High Alloy Steels (chip form) [150-g units (unless otherwise noted)]
1.	High-Nickel Steel (36 % Ni)
2.	HA Steel, (Mo Precipitation Hardening)
3.	HA Steel, (Cu Precipitation Hardening)

4.	Valve Steel
5.	Hi Temp. Alloy, (A286) Ni-Cr
6.	High Temp. Alloy L605
7.	High Temp. Alloy Fe-Ni-Co
	Gases in Ferrous Metals (rod form)
1.	Steels, Set (consists of SRMs 1095, 1096, 1097, 1098 and 1099)
2.	Ingot Iron, Oxygen
3.	Stainless Steel (AISI 431)
4.	Valve Steel, Oxygen
5.	Maraging Steel
6.	Steel (AISI 4320)
7.	Nitrogen in Low Alloy Steel
	Stainless Steels (chip form) [150-g units (unless otherwise noted)]
1.	Stainless Steel, Cr (SAE 420)
2.	Stainless Steel (AISI 304L)
3.	Stainless Steel, (Cr 17-Ni 11-Ti 0.3) (AISI 321)
4.	Stainless Steel, Cr-Ni-Nb (AISI 348)
5.	Chromium-Molybdenum Steel
6.	Stainless Steel (Cr 18-Ni 12-Mo 2) (AISI 316)
7.	Stainless Steel, Low-Carbon (AISI 316L)
8.	Stainless Steel, Cr-Ni-Se (SAE 30)
9.	Stainless Steel (AISI 431)
10.	Stainless Steel (SAE 405)
11.	Stainless Steel (SAE 201)
	Tool Steels (chip form) [150-g units]
1.	Tungsten-Chromium-Vanadium Steel
2.	Tool Steel (AISI M2)
3.	Tool Steel, Mo-W-Cr-V
4.	S-7 Tool Steel
	Low Alloy Steels (disk and rod forms)
1.	AISI 94B17 Steel (Modified)
2.	Chromium-Vanadium Steel (Modified)
3.	Electrolytic Iron
4.	LA Steel, High Silicon
5.	LA Steel, Carbon (AISI 1078)
6.	LA Steel (AISI 4130)
7.	LA Steel
8.	LA Steel, Basic Open Hearth, 1% C
9.	LA Steel, 0.1% C
10.	LA Steel (Ca only)
11.	LA Steel, High Carbon (mod.)
12.	Line Pipe (AISI 1526 mod.)
13.	LA Steel, Cr-Mo (A336) (F-22)
14.	LA Steel (HSLA-100)
15.	Low Alloy Steel (HY 80)
16.	Low Alloy Steel
17.	High-Purity Iron
18.	LA Carbon (AISI 1211)
19.	LA Steel (A242) (mod.)
	High Temperature Alloys (chip and disk forms)
1.	Incoloy, 800
2.	Incoloy, 825
3.	High Temp. Alloy, A286

4.	High Temp. Alloy Fe-Ni-Co
5.	HA Steel ACI (17/4 PH)
6.	HA Steel (ACI-C-4M-Cu)
	Stainless Steels (disk form)
1.	Stainless Steel Cr 18-Ni 12-Mo 2 (AISI 316)
2.	Stainless Steel Cr 17-Ni 11-Ti 0.3 (AISI 321)
3.	Stainless Steel Cr 17-Ni 11-Nb 0.6 (AISI 348)
4.	Stainless Steel Cr-Ni (AISI 431)
5.	Chromium Steel
6.	Stainless Steel (SAE 405)
7.	Stainless Steel (SAE 201)
8.	Stainless Steel 23Cr-7Ni
9.	Stainless Steel 18Cr-11Ni
10.	Stainless Steel 17Cr-9Ni
11.	Stainless Steel 19Cr-13Ni
12.	Stainless Steel
	Specialty Steels (disk form)
1.	Specialty Steel, Tool (AISI M2)
2.	High-Nickel Steel (36% Ni)
3.	Specialty Steel, Valve Steel
4.	Tool Steel (S-7)
	Steelmaking Alloys (powder form)
1.	Silicon Metal
2.	Ferrosilicon (73% Si Regular Grade)
3.	Ferrosilicon
4.	Ferrochromium, High Carbon
5.	Ferromanganese, High Carbon
6.	Ferrophosphorus
7.	Ferrosilicon (75% Si-HP Grade)
8.	Ferrochromium, Low Carbon
9.	Ferrochromium Silicon
	Cast Irons (chip form)
1.	Cast Iron
2.	Cast Iron (Ni-Cr)
3.	Cast Iron (Ni-Cr-Mo)
4.	Cast Iron (Cu-Ni-Cr)
5.	Gray Cast Iron (Carbon & Sulfur)
6.	White Cast Iron (Carbon & Sulfur)
7.	Ductile Cast Iron
8.	Nodular Cast Iron
9.	Cast Iron, HC250+V
10.	Cast Iron, Ni-Hard, Type I
11.	Cast Iron, Ni-Hard, Type IV
	Cast Steels, White Cast Irons, and Ductile Irons (disk form)
1.	Cast Steel (No. 1)
2.	Cast Steel (No. 2)
3.	Ni-Cr-Mo-V Steel
4.	White Cast Iron
5.	Cast Steel 3
6.	High Alloy (HC-250 + V)
7.	High Alloy (Ni-Hard, Type I)
8.	High Alloy (Ni-Hard, Type IV)
9.	Ductile Iron C

b. Nonferrous Metal

No.	Description
	Aluminum Base Alloys (chip and disk forms)
1.	Aluminum-Silicon Alloy
2.	Aluminum Alloy 3004
3.	Aluminum Alloy 5182
4.	Aluminum Casting Alloy 356
5.	Aluminum Casting Alloy 380
6.	Aluminum Alloy 6011
7.	Aluminum Alloy 380
8.	Aluminum Alloy 7075
9.	55 % Aluminum - Zinc Alloy
	Cobalt Base Alloys (chip and disk forms)
1.	High Temp. Alloy L605
2.	MP 35N Refractory Alloy
	Copper Base Alloys (chip and rod forms)
1.	Bronze, Silicon
2.	Beryllium-Copper (17510)
3.	Beryllium-Copper (17200)
4.	Beryllium-Copper (17300)
5.	Bronze, Phosphor (CDA 521)
6.	Bronze, Phosphor (CDA 544)
7.	Cupro-Nickel, 10% (CDA 706)
8.	Nickel Silver, (CDA 762)
9.	Nickel Silver, (CDA 770)
10.	Unalloyed Copper
11.	Leaded-Tin Bronze Alloy
	Copper Base Alloys (block and disk forms)
1.	Naval Brass B
2.	Red Brass B
3.	Red Brass C
4.	Gilding Metal A (disk)
5.	Gilding Metal B (disk)
6.	Gilding Metal C (disk)
7.	Commercial Bronze A (disk)
8.	Commercial Bronze B (disk)
9.	Commercial Bronze C (disk)
10.	Free Cutting Brass (UNS C36000)
11.	Cupro-Nickel (CDA 715)
12.	Gilding Metal A (block)
13.	Gilding Metal B (block)
14.	Gilding Metal C (block)
15.	Commercial Bronze A (block)
16.	Commercial Bronze C (block)
	Copper "Benchmark" (block, chip and rod forms)
1.	Unalloyed Copper VI (chips)
2.	Unalloyed Copper VII (chips)
3.	Unalloyed Copper XI (chips)
4.	Unalloyed Copper IV (solid)
5.	Unalloyed Copper I (solid)
6.	Unalloyed Copper II (solid)

7.	Unalloyed Copper V (solid)
8.	Unalloyed Copper VI (solid)
9.	Unalloyed Copper VII (solid)
10.	Phosphorus Copper Cu VIII
11.	Phosphorus Copper X
12.	Phosphorus Copper Cu IX
	Lead Base Alloys (disk and powder forms) [150 g units (unless otherwise noted)]
1.	Bearing Metal (84Pb-10Sb-6Sn)
2.	Solder, 40Sn-60Pb
3.	Solder (63Sn-37Pb)
4.	Solder (60Pb-40Sn)
5.	Bearing Metal (Pb-Sn)
6.	Anode Tin
	Lead Base Material (disk form)
1.	Battery Lead
2.	Bullet Lead
3.	Lead-Base Alloy
4.	High-Purity Lead
	Nickel Base Alloys (chip and disk forms)
1.	Waspaloy
2.	Nickel-based Superalloy
3.	Inconel 600
4.	Inconel 625
5.	Alloy Ni-Cu-Al
6.	Elec/Mag Ni-Fe
7.	Elec/Mag Ni-Mo-Fe
8.	MP 35N Refractory Alloy
9.	Nickel-Copper Alloy
10.	Hastelloy7C
	Trace Elements in Nickel Base Superalloys (chip form)
1.	Tracealloy A
2.	Tracealloy B
3.	Tracealloy C
	Nickel Oxides (powder form)
1.	Nickel Oxide 1
2.	Nickel Oxide 2
3.	Nickel Oxide 3
	Tin Base Alloys
1.	Bearing Metal (Tin Base)
2.	Anode Tin
3.	Tin Alloy (Sn-3Cu-0.5Ag)
4.	Tin Alloy (97Sn-3Pb)
	Titanium Base Alloys (chip and disk forms)
1.	Titanium Alloy (6Al-4V)
2.	Titanium Alloy, 8 Mn (A)
3.	Titanium Alloy, 8 Mn (B)
4.	Titanium Alloy, 8 Mn (C)
5.	Titanium Alloy, Al-Mo-Sn-Zr
6.	Titanium Alloy, Al-Sn-Zr-Cr-Mo
7.	Titanium Alloy, V-Al-Cr-Sn
8.	Unalloyed Titanium A
9.	Titanium Alloy, Al-V
10.	Ti Alloy, V-Al-Cr-Sn

11.	Ti Alloy, Al-Nb-W
12.	Titanium Base Alloy
13.	Titanium Alloy
14.	Hydrogen In Titanium Alloy
	Zinc Base Alloys (chip and disk forms)
1.	Zinc-Base Die Casting Alloy
2.	Zinc-Base A
3.	Zinc-Base B
4.	Zinc-Base C
5.	Zinc-Base D
6.	Zinc-Base E-ASTM AC 41A
7.	Zinc-Base F
8.	Zinc Spelter (mod.)
9.	Zinc-Aluminum Alloy
10.	55 % Aluminum - Zinc Alloy
	Zirconium Base Alloys (chip form)
1.	Zirconium (Sn-Fe-Cr) Alloy
	Gases in Metals (platelet form)
1.	Currently not available

c. Microanalysis

No.	Description
	Metals (rod, wire, disk and cube forms)
1.	Tungsten-Molybdenum EPMA
2.	Gold-Silver EPMA
3.	Gold-Copper EPMA
4.	Ti Alloy, Al-Nb-W
	Synthetic Glasses for Microanalysis (rod and microsphere forms)
1.	Synthetic Glass
2.	K-411 Glass Microspheres
	Thin Film for Transmission Electron Microscope
1.	Mineral Glass (Thin Film)
	Semiconductor Thin Film for the Composition of Thin Films
1.	Semiconductor Thin Film: AlxGa1-xAs Epitaxial Layers
2.	Si1-xGex Films on Si
	Nanomaterials: Composition
1.	Single-Wall Carbon Nanotubes (Raw Soot)

d. High Purity Materials

No.	Description
	High Purity Metals (solid forms)
1.	High Purity Platinum
2.	High Purity Zinc
3.	Zinc, Metal
4.	High Purity Gold (Rod)
5.	Selenium, Inter-Purity
6.	Zinc, Intermediate Purity
7.	Refined Copper
	Stoichiometry (powder form)
1.	Sucrose Optical Rotation
2.	Arsenic Trioxide (Reductometric)

3.	Potassium Hydrogen Phthalate
4.	Potassium Dichromate, (Oxidimetric Standard)
5.	Benzoic Acid (Acidimetric)
6.	Sodium Carbonate
7.	Tris Acidimetric
8.	D-Glucose (Dextrose)
9.	Boric Acid Acidimetric Standard
10.	Potassium Chloride (Primary Chemical)
11.	Sodium Oxalate (Reductometric)
	Microchemistry (powder form)
1.	Acetanilide
2.	Anisic Acid
3.	Cystine
4.	Nicotinic Acid
5.	Urea
6.	p-Fluorobenzoic Acid
7.	m-Chlorobenzoic Acid
	Spectrometry, Single Element Standard Solutions
1.	Aluminum (Al) Standard Solution
2.	Antimony (Sb) Standard Solution
3.	Arsenic (As) Standard Solution
4.	Barium (Ba) Standard Solution
5.	Beryllium (Be) Standard Solution
6.	Bismuth (Bi) Standard Solution
7.	Boron (B) Standard Solution (nominal 5 mg/g)
8.	Cadmium (Cd) Standard Solution
9.	Calcium (Ca) Standard Solution
10.	Cerium (Ce) Standard Solution
11.	Cesium (Cs) Standard Solution
12.	Chromium (Cr) Standard Solution
13.	Cobalt (Co) Standard Solution
14.	Copper (Cu) Standard Solution
15.	Dysprosium (Dy) Standard Solution
16.	Erbium (Er) Standard Solution
17.	Europium (Eu) Standard Solution
18.	Gadolinium (Gd) Standard Solution
19.	Gallium (Ga) Standard Solution
20.	Germanium (Ge) Standard Solution
21.	Gold (Au) Standard Solution
22.	Hafnium (Hf) Standard Solution
23.	Holmium (Ho) Standard Solution
24.	Indium (In) Standard Solution
25.	Iron (Fe) Standard Solution
26.	Lanthanum (La) Standard Solution
27.	Lead (Pb) Standard Solution
28.	Lithium Standard Solution
29.	Lutetium (Lu) Standard Solution
30.	Magnesium (Mg) Standard Solution
31.	Manganese (Mn) Standard Solution
32.	Mercury (Hg) Standard Solution
33.	Molybdenum (Mo) Standard Solution
34.	Neodymium (Nd) Standard Solution
35.	Nickel (Ni) Standard Solution

36.	Niobium (Nb) Standard Solution
37.	Palladium (Pd) Standard Solution
38.	Phosphorus (P) Standard Solution
39.	Platinum (Pt) Standard Solution
40.	Potassium (K) Standard Solution
41.	Praseodymium (Pr) Standard Solution
42.	Rhenium (Re) Standard Solution
43.	Rhodium (Rh) Standard Solution (nominal 1 mg/g)
44.	Rubidium (Rb) Standard Solution
45.	Samarium (Sm) Standard Solution
46.	Scandium (Sc) Standard Solution
47.	Selenium (Se) Standard Solution
48.	Silicon (Si) Standard Solution
49.	Silver (Ag) Standard Solution
50.	Sodium (Na) Standard Solution
51.	Strontium (Sr) Standard Solution
52.	Sulfur (S) Standard Solution
53.	Tantalum (Ta) Standard Solution
54.	Tellurium (Te) Standard Solution
55.	Terbium (Tb) Standard Solution
56.	Thallium (Tl) Standard Solution
57.	Thorium Standard Solution
58.	Thulium (Tm) Standard Solution
59.	Tin (Sn) Standard Solution
60.	Titanium (Ti) Standard Solution
61.	Tungsten (W) Standard Solution
62.	Uranium (U) Standard Solution (Radioactive)
63.	Vanadium (V) Standard Solution (nominal 5 mg/g)
64.	Ytterbium (Yb) Standard Solution
65.	Yttrium (Y) Standard Solution
66.	Zinc (Zn) Standard Solution
67.	Zirconium (Zr) Standard Solution
68.	Mercuric Chloride Standard Solution
	Anion Chromatography (solution form)
1.	Iodide Anion (I-) Standard Solution
2.	Sulfate Anion Standard Solution
3.	Chloride Anion Standard Solution
4.	Fluoride Anion Standard Solution
5.	Bromide Anion Standard Solution
6.	Nitrate Anion Standard Solution
7.	Phosphate Anion Standard Solution
	Stable Isotopic Materials (solid and solution forms)
1.	Boric Acid Isotopic Standard
2.	Enriched Boric Acid Standard
3.	Boric Acid Acidimetric Standard
4.	Chlorine Isotopic Standard
5.	Bromine Isotopic Standard
6.	Silver Isotopic Standard
7.	Chromium Isotopic Standard
8.	Magnesium Isotopic Standard
9.	Common Lead Isotopic Standard
10.	Equal-Atom Lead Isotopic Standard
11.	Radiogenic Lead Isotopic Standard

12.	Rubidium Assay Isotopic Standard
13.	Nickel Isotopic Standard
14.	Strontium Carbonate Isotopic Standard
15.	Gallium Isotopic Standard
16.	Thallium Isotopic Standard
17.	Henderson Molybdenite
	Light Stable Isotopic Materials (gas, liquid and solid forms)
1.	VSMOW2 Vienna Standard Mean, Ocean Water
2.	GISP-Water
3.	SLAP-Water Light Stable Isotopic Standard
4.	NBS 22-Oil
5.	PEFI-Polyethylene Foil
6.	USGS24-Graphite
7.	Sucrose ANU-Sucrose
8.	NBS18-Carbonatite
9.	NBS19-Limestone
10.	LSVEC-Lithium Carbonate
11.	NBS28-Silica Sand
12.	IAEAN1-Ammonium Sulfate
13.	IAEAN2-Ammonium Sulfate
14.	IAEA-NO3 Nitrogen and Oxygen Isotopes in Nitrate
15.	USGS25-Ammonium Sulfate
16.	USGS26-Ammonium Sulfate
17.	NSVEC-Gaseous Nitrogen
18.	Soufre De Lacq-Elemental Sulfur
19.	NZ1-Silver Sulfide
20.	NZ2-Silver Sulfide
21.	NBS123-Sphalerite
22.	NBS127-Barium Sulfate
23.	USGS32 Nitrogen and Oxygen Isotopes in Nitrate
24.	Natural Gas, Coal Origin
25.	Natural Gas, Biogenic
26.	CO2-Heavy, Paleomarine Origin
27.	CO2-Light, Petrochemical Origin
28.	CO2-Biogenic, Modern Biomass Origin
29.	USGS34 Nitrogen and Oxygen Isotopes in Nitrate
30.	USGS35 Nitrogen and Oxygen Isotopes in Nitrate
31.	L-glutamic Acid USGS40(Light Carbon and Nitrogen Isotopes in L-glutamic Acid)
32.	L-glutamic Acid USGS41 (Heavy Carbon and Nitrogen Isotopes in L-glutamic Acid)

e. Health and Industrial Hygiene

No.	Description
	Clinical Laboratory Materials (gas, liquid, and solid forms)
1.	Antiepilepsy Drugs in Frozen Human Serum
2.	Human Serum
3.	Cholesterol
4.	Urea-Clinical
5.	Uric Acid
6.	Creatinine
7.	Calcium Carbonate (Clinical Standard)
8.	Bilirubin
9.	D-Glucose (Dextrose)

10.	Potassium Chloride (Clinical)
11.	Sodium Chloride (Clinical)
12.	D-Mannitol
13.	Cortisol (Hydrocortisone)
14.	Lithium Carbonate (Clinical)
15.	VMA (Clinical)
16.	Bovine Serum Albumin (7%, solution)
17.	Lead Nitrate (Clinical)
18.	Magnesium Gluconate
19.	Iron Metal (Clinical)
20.	Toxic Metals in Caprine Blood
21.	Electrolytes in Frozen Human Serum
22.	Glucose in Frozen Human Serum
23.	Creatinine in Frozen Human Serum
24.	Fat-Sol Vitamins, Carotenoids, and Cholesterol in Human Serum
25.	Ascorbic Acid in Frozen Human Serum
26.	Hormones in Frozen Human Serum
27.	Vitamin D in Human Serum
28.	Angiotensin I (Human)
29.	Bone Ash
30.	Bone Meal
31.	Tripalmitin
32.	Inorganic Constituents in Animal Serum
33.	2 Anticonvulsant Drugs
34.	Metabolites in Human Plasma
35.	Lipids in Frozen Human Serum
36.	Cholesterol in Human Serum
37.	Homocysteine and Folate in Frozen Human Serum
38.	Cytomegalovirus (CMV) for DNA Measurements
39.	Amino Acids in 0.1 mol/L Hydrochloric Acid
40.	Toxic Elements in Frozen Human Urine
41.	Arsenic Species in Frozen Human Urine
42.	Toxic Elements in Urine (Freeze-Dried)
43.	Human Cardiac Troponin Complex
44.	25-Hydroxyvitamin D2 and D3 Calibration Solutions
45.	Mercury, Perchlorate, and, Iodide in Frozen Human Urine
46.	Vitamin B6 in Frozen Human Serum
47.	Yeast Protein Extract
48.	Peptide Reference Material for Molecular Mass and Purity Measurements
49.	FDA Saxitoxin Dihydrochloride Solution
	Toxic Substances in Urine (powder and frozen form)
1.	Human Serum
2.	Bovine Serum Albumin (7%, solution)
3.	Electrolytes in Frozen Human Serum
4.	Glucose in Frozen Human Serum
5.	Creatinine in Frozen Human Serum
6.	Fat-Sol Vitamins, Carotenoids, and Cholesterol in Human Serum
7.	Ascorbic Acid in Frozen Human Serum
8.	Hormones in Frozen Human Serum
9.	Vitamin D in Human Serum
10.	Metabolites in Human Plasma
11.	Lipids in Frozen Human Serum
12.	Cholesterol in Human Serum

13.	Homocysteine and Folate in Frozen Human Serum
14.	Organic Contaminants in Non-Fortified Human Serum
15.	Organic Contaminants in Fortified Human Serum
16.	Drugs of Abuse in Frozen Human Serum
17.	Human Cardiac Troponin Complex
18.	Vitamin B6 in Frozen Human Serum
	DNA Profiling (solid forms)
1.	Cytomegalovirus (CMV) for DNA Measurements
2.	Human DNA Quantitation Standard
3.	PCR Based DNA Profiling Standard
4.	Mitochondrial DNA Sequencing
5.	Mitochondrial DNA Sequencing
6.	CAG Repeat Length Mutation in Huntington's Disease
7.	Heteroplasmic Mitochondrial DNA Mutation Detection Std
8.	Human Y-Chromosome DNA Profiling Standard
9.	Oxidative DNA Damage Mass Spectrometry Standards
10.	Fragile X Human DNA Triplet Repeat Standard
	Biomaterials (solid forms)
1.	Calcium Hydroxyapatite
2.	Gold Nanoparticles, Nominal 10nm Diameter
3.	Gold Nanoparticles, Nominal 30nm Diameter
4.	Gold Nanoparticles, Nominal 60nm Diameter
5.	Tissue Engineering Reference, Scaffold
6.	Tissue Engineering Reference, Scaffold
7.	Tissue Engineering Reference, Scaffold
8.	Ultra High Molecular Weight Polyethylene
9.	Ultra High Molecular Weight Polyethylene
	Respirable Materials on Filter Media
1.	Air Particulate on Filter Media
2.	Respirable Alpha Quartz on Filter Media, 10-500 µg
3.	Respirable Alpha Quartz on Filter Media, 5 µg
4.	Respirable Alpha Quartz on Filter Media, 10 µg
5.	Respirable Alpha Quartz on Filter Media, 20 µg
6.	Respirable Alpha Quartz on Filter Media, 50 µg
7.	Respirable Alpha Quartz on, Filter Media, 100 µg
8.	Respirable Alpha Quartz on Filter Media, 250 µg
9.	Respirable Alpha Quartz on Filter Media, 500 µg
10.	Respirable Alpha Quartz on Filter Media, 1000 µg
11.	Respirable Cristobalite on Filter Media, 5 ug - 250 ug
12.	Respirable Cristobalite on Filter Media, 5 ug
13.	Respirable Cristobalite on Filter Media, 10 ug
14.	Respirable Cristobalite on Filter Media, 20 ug
15.	Respirable Cristobalite on Filter Media, 50 ug
16.	Respirable Cristobalite on Filter Media, 100 ug
17.	Respirable Cristobalite on Filter Media, 250 ug
18.	Respirable Cristobalite on Filter Media, 500 ug
19.	Air Particulate Matter on Filter Media
20.	Filter Blank for RM 8785
	Trace Constituent Elements in Blank Filters
1.	Membrane Blank Filter
2.	Ashless Blank Filter
	Respirable Materials
1.	Urban Particulate Matter

2.	Urban Dust
3.	Diesel Particulate Matter
4.	Beryllium Oxide Powder
5.	Respirable Alpha Quartz
6.	Respirable Cristobalite
7.	Diesel Particulate Extract
8.	Trace Elements in Indoor Dust
9.	Trace Elements in Indoor Dust
10.	Organic Contaminants in House Dust
11.	Fine Particulate Matter (<4 µm)
12.	Fine Particulate Matter (<10 µm)
13.	Diesel Particulate Matter
	Lead in Paint, Dust, and Soil (powder and sheet forms)
1.	Urban Particulate Matter
2.	Lead Paint Films for Children's Products
3.	Lead Paint Film, White/Blank Nominal <0.001 mg/cm2
4.	Lead Paint Film (Yellow), Nominal 3.5 mg/cm2
5.	Lead Paint Film (Orange), Nominal 1.6 mg/cm2
6.	Lead Paint Film (Red), Nominal 1.0 mg/cm2
7.	Lead Paint Film (Gold), Nominal 0.7 mg/cm2
8.	Lead Paint Film (Green), Nominal 0.3 mg/cm2
9.	Lead Paint Film, High Level
10.	Lead Paint Films for Portable XRF Analyzers
11.	Powdered Paint Nominal 4% Lead
12.	Powdered Paint Nominal 0.5 % Lead
13.	Powdered Paint Nominal 200mg/kg Lead
14.	Trace Elements in Indoor Dust
15.	Trace Elements in Indoor Dust
16.	Trace Elements in Soil (contains lead from paint)
17.	Trace Elements in Soil (contains lead from paint)
18.	Powdered Paint Nominal 10% Lead
19.	Air Particulate on Filter Media
20.	Paint on Fiberboard

f. Inorganics

No.	Description
	Metal (Inorganics) Constituents in Natural Matrices (liquid and solid forms)
1.	Trace Elements in Natural Water
2.	Mercury In Water
3.	Trace Elements in Water
4.	Estuarine Sediment
5.	Urban Particulate Matter
6.	New York/New Jersey Waterway Sediment
7.	Lake Superior Fish Tissue
8.	Lake Michigan Fish Tissue
9.	Slurried Spinach
10.	Peanut Butter
11.	Fine Carbon (Activated) - From Cyanide Ore Leaching
12.	Trace Elements in Indoor Dust
13.	Trace Elements in Indoor Dust
14.	Trace Elements in Soil (contains lead from paint)
15.	Trace Elements in Soil (contains lead from paint)

16.	Inorganics in Marine Sediment
17.	Sediment for Solid Sampling (Small, Sample) Analytical Techniques
18.	San Joaquin Soil
19.	Montana I Soil
20.	Montana II Soil
21.	Hard Rock Mine Waste
22.	Domestic Sludge
23.	Industrial Sludge
24.	Air Particulate on Filter Media
25.	Additive Elements in Polyethylene
26.	Mussel Tissue (Trace Elements & Methylmercury) Freeze-dried
27.	Buffalo River Sediment
28.	Air Particulate Matter on Filter Media
29.	Filter Blank for RM 8785
	Mercury in Activated Carbon
1.	Fine Carbon (Activated) - From Cyanide Ore Leaching
	Environmental Matrices with Carbon Values
1.	Carbon Modified Silica
2.	Trace Elements in Coal, (Bituminous)
3.	New York/New Jersey Waterway Sediment
4.	Green Petroleum Coke
5.	Calcined Petroleum Coke
6.	Foundry Coke
7.	Furnace Coke
8.	Buffalo River Sediment
9.	Air Particulate Matter on Filter Media
10.	Filter Blank for RM 8785
	Used Auto Catalysts (powder form)
1.	Recycled Pellet (Autocatalyst)
2.	Recycled Monolith (Autocatalyst)
	Zeolites (powder form)
1.	Zeolite Y
2.	Zeolite A
3.	Ammonium ZSM-5 Zeolite

g. Primary Gas Mixtures

No.	Description
	Primary Gas Mixtures
1.	Methane in Air (Nominal 1 umol/mol)
2.	Methane in Air (Nominal 10 umol/mol)
3.	Methane and Propane in Air (Nominal: Methane 4 µmol/mol; Propane 1 µmol/mol)
4.	Sulfur Dioxide in Nitrogen (Nominal 500 µmol/mol)
5.	Sulfur Dioxide in Nitrogen (Nominal 1000 µmol/mol)
6.	Sulfur Dioxide in Nitrogen (Nominal 1500 µmol/mol)
7.	Sulfur Dioxide in Nitrogen (Nominal 2500 µmol/mol)
8.	Propane in Air (Nominal 3 µmol/mol)
9.	Propane in Air (Nominal 10 µmol/mol)
10.	Propane in Air (Nominal 50 µmol/mol)
11.	Propane in Air (Nominal 100 µmol/mol)
12.	Propane in Air (Nominal 500 µmol/mol)
13.	Carbon Dioxide in Nitrogen (Nominal 7 % mol/mol)
14.	Carbon Dioxide in Air (Nominal 365 µmol/mol)

15.	Carbon Monoxide in Nitrogen (Nominal 10 µmol/mol)
16.	Carbon Monoxide in Nitrogen (Nominal 50 µmol/mol)
17.	Carbon Monoxide in Nitrogen (Nominal 100 µmol/mol)
18.	Carbon Monoxide in Nitrogen (Nominal 500 µmol/mol)
19.	Carbon Monoxide in Nitrogen (Nominal 1000 µmol/mol)
20.	Nitric Oxide in Nitrogen (Nominal 50 µmol/mol)
21.	Nitric Oxide in Nitrogen (Nominal 100 µmol/mol)
22.	Nitric Oxide in Nitrogen (Nominal 250 µmol/mol)
23.	Nitric Oxide in Nitrogen (Nominal 500 µmol/mol)
24.	Nitric Oxide in Nitrogen (Nominal 1000 µmol/mol)
25.	Sulfur Dioxide in Nitrogen
26.	Sulfur in Nitrogen (Nominal 50 µmol/mol)
27.	Sulfur Dioxide in Nitrogen (Nominal 100 µmol/mol)
28.	Sulfur Dioxide in Nitrogen (Nominal 3500 µmol/mol)
29.	Eighteen Non-Methane Hydrocarbon Compounds in Nitrogen (Nominal 5 nmol/mol)
30.	Toxic Volatile Organic Compounds in Nitrogen (Nominal 5.0 nmol/mol)
31.	Carbon Monoxide in Air (Nominal 10 µmol/mol)
32.	Carbon Monoxide in Air (Nominal 20 µmol/mol)
33.	Carbon Monoxide in Air (Nominal 42 µmol/mol)
34.	Carbon Dioxide in Nitrogen (Nominal 500 µmol/mol)
35.	Carbon Dioxide in Nitrogen (Nominal 0.5 % mol/mol)
36.	Carbon Dioxide in Nitrogen (Nominal 1.0 % mol/mol)
37.	Carbon Dioxide in Nitrogen (Nominal 1.5 % mol/mol)
38.	Carbon Dioxide in Nitrogen (Nominal 2.0 % mol/mol)
39.	Carbon Dioxide in Nitrogen (Nominal 2.5 % mol/mol)
40.	Carbon Dioxide in Nitrogen (Nominal 3.0 % mol/mol)
41.	Carbon Dioxide in Nitrogen (Nominal 3.5 % mol/mol)
42.	Nitric Oxide in Nitrogen (Nominal 5 µmol/mol)
43.	Nitric Oxide in Nitrogen (Nominal 10 µmol/mol)
44.	Nitric Oxide in Nitrogen (Nominal 20 µmol/mol)
45.	Nitric Oxide in Nitrogen (Nominal 1500 µmol/mol)
46.	Nitric Oxide in Nitrogen (Nominal 3000 µmol/mol)
47.	Carbon Monoxide in Nitrogen (Nominal 25 µmol/mol)
48.	Carbon Monoxide in Nitrogen (Nominal 250 µmol/mol)
49.	Carbon Monoxide in Nitrogen (Nominal 2500 µmol/mol)
50.	Carbon Monoxide in Nitrogen (Nominal 5000 µmol/mol)
51.	Carbon Monoxide in Nitrogen (Nominal 1 % mol/mol)
52.	Carbon Monoxide in Nitrogen (Nominal 2 % mol/mol)
53.	Carbon Monoxide in Nitrogen (Nominal 4 % mol/mol)
54.	Carbon Monoxide in Nitrogen (Nominal 8 % mol/mol)
55.	Propane in Nitrogen (Nominal 250 µmol/mol)
56.	Propane in Nitrogen (Nominal 1000 µmol/mol)
57.	Propane in Nitrogen (Nominal 2500 µmol/mol)
58.	Oxygen in Nitrogen (Nominal 2 % mol/mol)
59.	Oxygen in Nitrogen (Nominal 10 % mol/mol)
60.	Oxygen in Nitrogen (Nominal 21 % mol/mol)
61.	Total Oxides of Nitrogen (NOx) in Air (Nominal 100 µmol/mol)
62.	Hydrogen Sulfide in Nitrogen (Nominal 5 µmol/mol)
63.	Hydrogen Sulfide in Nitrogen (Nominal 20 µmol/mol)
64.	Nitric Oxide in Nitrogen (Nominal 800 µmol/mol)
65.	Nitric Oxide in Nitrogen (500 nmol/mol)
66.	Nitric Oxide in Nitrogen (Nominal 1000 nmol/mol)
67.	Carbon Monoxide in Nitrogen (Nominal 10 % mol/mol)

68.	Carbon Monoxide in Nitrogen (Nominal 13 % mol/mol)
69.	Carbon Dioxide in Nitrogen (Nominal 16 % mol/mol)
70.	Methane in Air (Nominal 50 µmol/mol)
71.	Methane in Air (Nominal 100 µmol/mol)
72.	Propane in Air (Nominal 0.25 µmol/mol)
73.	Propane in Air (Nominal 100 nmol/mol)

h. Fossil and Alternative Fuels

No.	Description
	Alcohols and Ethers [Oxygenates] in Gasoline
1.	Alcohols in Reference Fuels
2.	Methanol and Butanol (in Gasoline)
3.	Ethanol (in Gasoline)
4.	Methanol (in Gasoline)
5.	Ethanol (in Gasoline)
6.	Ethanol (in Gasoline)
7.	t-Amyl-methyl Ether (in Gasoline)
8.	t-Amyl-methyl Ether (in Gasoline)
9.	Ethyl-t-butyl Ether (in Gasoline)
10.	Ethyl-t-butyl Ether (in Gasoline)
11.	Methyl-t-butyl Ethyl (in Gasoline)
12.	Reformulated Gasoline (nominal 11% MTBE)
13.	Reformulated Gasoline (nominal 15% MTBE)
14.	Reformulated Gasoline (nominal 13% ETBE)
15.	Reformulated Gasoline (nominal 10% Ethanol)
	Metal Constituents in Fossil Fuels (liquid forms)
1.	Trace Elements in Fuel Oil
2.	Vanadium in Crude Oil
	Sulfur, Mercury, and Chlorine in Fuels (liquid and solid forms)
1.	Sulfur in Kerosene (Low Level)
2.	Sulfur in Kerosine (High Level)
3.	Sulfur in Residual Fuel Oil (0.7%)
4.	Sulfur in Residual Fuel Oil (4%)
5.	Sulfur in Residual Fuel Oil (1%)
6.	Sulfur in Residual Fuel Oil (2 %)
7.	Sulfur in Residual Fuel Oil 0.3%
8.	Sulfur in Diesel Fuel Oil, 0.4%
9.	Trace Elements in Coal, (Bituminous)
10.	Trace Elements in Coal (Subbituminous)
11.	Reformulated Gasoline (nominal 11% MTBE)
12.	Reformulated Gasoline (nominal 15% MTBE)
13.	Reformulated Gasoline (nominal 13% ETBE)
14.	Reformulated Gasoline (nominal 10% Ethanol)
15.	Sulfur in Gasoline (High-Octane)
16.	Sulfur in Gasoline (Reformulated)
17.	Subbituminous Coal (Sulfur, Mercury, and Chlorine)
18.	Bituminous Coal (Sulfur, Mercury, and Chlorine)
19.	Bituminous Coal (Sulfur and Mercury)
20.	Bituminous Coal (Sulfur, Mercury, and Chlorine)
21.	Bituminous Coal (Sulfur, Mercury, and Chlorine)
22.	Sulfur in Gasoline (<1 mg/kg)
23.	Sulfur in Residual Fuel Oil (3%)

24.	Green Petroleum Coke
25.	Calcined Petroleum Coke
26.	Sulfur in Di-n-Butyl Sulfide
27.	Crude Oil (Light -Sour)
28.	Crude Oil (Heavy Sweet)
29.	Sulfur in Diesel Fuel Oil
30.	Sulfur in Diesel Fuel Oil, 0.04%
31.	Sulfur in Diesel Fuel Oil (40 mg/kg)
32.	Sulfur in Diesel Fuel Blend Stock
33.	B100 Biodiesel (Animal-Based)
34.	Foundry Coke
35.	Furnace Coke
	Moisture in Oils and Alcohols (liquid form)
1.	Crude Oil (Light -Sour)
2.	Crude Oil (Heavy Sweet)
3.	Water Saturated 1-Octanol
4.	Moisture in Transformer Oil
5.	Moisture in Methanol, 93 mg/kg
6.	Moisture in Methanol, 325 mg/kg
	Reference Liquids for Evaluating Fuels
1.	n-Heptane (Fuel Rating)
2.	Isooctane (Fuel Rating)
3.	Solvent Red 24 Diesel Fuel Dye
	Fossil Fuel: Trace Elements (solid forms)
1.	Trace Elements in Coal, (Bituminous)
2.	Trace Elements in Coal Fly Ash
3.	Trace Elements in Coal (Subbituminous)
4.	Coal Fly Ash
5.	Coal Fly Ash
6.	Coal Fly Ash
7.	Green Petroleum Coke
8.	Calcined Petroleum Coke
	Biofuels
1.	Fatty Acid Methyl Esters in, 2,2,4-Trimethylpentane
2.	B100 Biodiesel (Soy-Based)
3.	B100 Biodiesel (Animal-Based)
	Bio Mass Feedstock
1.	Sugarcane Bagasse Whole Biomass Feedstock
2.	Eastern Cottonwood Whole Biomass Feedstock
3.	Monterey Pine Whole Biomass Feedstock
4.	Wheat Straw Whole Biomass Feedstock
5.	Northern Softwood
6.	Eucalyptus Hardwood

i. Organics

No.	Description
	Organics
1.	Column Selectivity Test Mixture for Liquid Chromatography
2.	Column Performance Test Mixture of Liquid Chromatography
3.	Methyl-Substituted Polycyclic Aromatic Hydrocarbons in Toluene
4.	Chlorinated Pesticides/Hexane
5.	PCB Congeners

6.	Aliphatic Hydrocarbons
7.	GC/MS System Performance
8.	Shale Oil
9.	Petroleum Crude Oil
10.	Phenols in Methanol
11.	Isotope Label Pollutants
12.	Organics in Fish Oil
13.	Dinitropyrene Isomers and 1-Nitropyrene in Methylene Chloride
14.	Complex Mixture of Polycyclic Aromatic Hydrocarbons Coal Tar
15.	Dioxin in Isooctane
16.	Halocarbons (in Methanol)
17.	Priority Pollutant PAHs (in Acetonitrile)
18.	Urban Dust
19.	Diesel Particulate Matter
20.	PCBs in River Sediment A
21.	Organics in Marine Sediment
22.	New York/New Jersey Waterway Sediment
23.	Organics in Whale Blubber
24.	Lake Superior Fish Tissue
25.	Lake Michigan Fish Tissue
26.	Organic Contaminants in Non-Fortified Human Milk
27.	Organic Contaminants in Fortified Human Milk
28.	Organic Contaminants in Non-Fortified Human Serum
29.	Organic Contaminants in Fortified Human Serum
30.	Organics in Mussel Tissue (Mytilus edulis)
31.	Diesel Particulate Extract
32.	PBDE Congeners in 2,2,4-Trimethylpentane
33.	BDE 209 in 2,2,4-Trimethylpentane
34.	PCB Congeners in 2,2,4-Trimethylpentane
35.	Aromatic Hydrocarbon in Toluene
36.	Chlorinated Pesticides in Hexane
37.	Chlorinated Biphenyl Cogeners in Isooctane
38.	Nitrated Aromatic Hydrocarbons in Methylene Chloride I
39.	Nitrated Polycyclic Hyrocarbons in Methylene Chloride II
40.	Hopanes and Steranes in, 2,2,4 Trimethylpentane
41.	Deuterated Levoglucosan in Ethyl Acetate
42.	Carbon-13 Labeled Levoglucosan in Ethyl Acetate
43.	Perdeuterated PAH-I Solution in Hexane/Toluene
44.	Perdeuterated PAH-II Solution in Hexane/Toluene
45.	Chlorinated Pesticides (DDTs) and Metabolites in Isooctane
46.	PCB Congener Solution-II in Isooctane
47.	Chlorinated Pesticide Solution-II in Isooctane
48.	Three Planar Polychlorinated Biphenyl (PCB) Congeners in Isooctane
49.	Fatty Acid Methyl Esters in, 2,2,4-Trimethylpentane
50.	Organic Contaminants in House Dust
51.	Gulf of Mexico Crude Oil
52.	Fine Particulate Matter (<4 µm)
53.	Fine Particulate Matter (<10 µm)
54.	Organics in Freeze-Dried Mussel Tissue (Mytilus edulis)
55.	Diesel Particulate Matter
56.	Catechin Calibration Solution
57.	Hypericin Calibration Solution
58.	Y-HCH (Lindane)

59.	4,4'-DDE
60.	Pesticide, 4,4'-DDT
	EPA: Organic Compounds Related to Water Analysis (including drinking water)
1.	Benzene in Methanol
2.	Toluene in Methanol
3.	Ethylbenzene in Methanol
4.	o-Xylene in Methanol
5.	m-Xylene in Methanol
6.	p-Xylene in Methanol
7.	Carbon Tetrachloride in Methanol
8.	Methylene Chloride in Methanol (Nominal Mass Fraction, 0.01 g/g)
9.	1,2-Dichloropropane in Methanol (Nominal Mass Fraction - 0.01 g/g)
10.	Tetrachloroethene (Tetrachloroethylene) in Methanol
11.	1,1,1-Trichloroethane in Methanol (Nominal Mass Fraction, 0.01 g/g)
12.	1,2-Dichloroethane in Methanol (Nominal Mass Fraction, 0.01 g/g)
13.	1,2,3-Trichloropropane in Methanol (Nominal Mass Fraction - 0.01 g/g)
14.	Isopropylbenzene in Methanol
15.	sec-Butylbenzene in Methanol
16.	Endothall in Water
17.	Toxaphene in Methanol
18.	Chlordane in Methanol
19.	Phthalates in Methanol
20.	Aroclor 1016 in Transformer Oil
21.	Aroclor 1232 in Transformer Oil
22.	Aroclor 1242 in Transformer Oil
23.	Aroclor 1248 in Transformer Oil
24.	Aroclor 1254 in Transformer Oil
25.	Aroclor 1260 in Transformer Oil
26.	Aroclor 1016 in Methanol
27.	Aroclor 1232 in Methanol
28.	Aroclor 1242 in Methanol
29.	Aroclor 1248 in Methanol
30.	Aroclor 1254 in Methanol
31.	Aroclor 1260 in Methanol
32.	Aroclors in Transformer Oil
33.	Aroclors in Methanol
34.	Transformer Oil

j. Food and Agriculture

No.	Description
	Foods and Beverages (liquid and powder forms)
1.	Non-Fat Milk Powder
2.	Oyster Tissue
3.	Wheat Flour
4.	Rice Flour
5.	Trace Elements in Spinach Leaves
6.	Bovine Liver
7.	Organic Contaminants in Non-Fortified Human Milk
8.	Organic Contaminants in Fortified Human Milk
9.	Baking Chocolate
10.	Slurried Spinach
11.	Camellia sinensis (Green Tea) Leaves

12.	Camellia sinensis (Green Tea) Extract
13.	Green Tea-Containing Solid Oral Dosage Form
14.	Carrot Extract in Oil
15.	Tocopherols in Edible Oils
16.	Cranberry (fruit)
17.	Low-Calorie Cranberry Juice Cocktail
18.	Blueberry (Fruit)
	USA/Canada Collaborative Materials (powder form)
1.	Corn Stalk (Zea mays)
2.	Corn Kernel (Zea mays)
3.	Bovine Muscle Powder (Beef)
4.	Whole Egg Powder
5.	Wheat Gluten
6.	Corn Starch
7.	Corn Bran
8.	Durum Wheat Flour
9.	Hard Red Spring Wheat Flour
10.	Soft Winter Wheat Flour
	Agricultural Materials (powder form)
1.	Apple Leaves
2.	Peach Leaves
3.	Trace Elements in Spinach Leaves
4.	Tomato Leaves
5.	Trace Elements in Pine Needles
6.	Fluoride in Vegetation
7.	Corn Stalk (Zea mays)
8.	Corn Kernel (Zea mays)
	Fertilizers (powder form)
1.	Phosphate Rock (Florida)
2.	Potassium Nitrate
3.	Ammonium Dihydrogen Phosphate
4.	Potassium Dihydrogen Phosphate, (KH2PO4)
5.	Phosphate Rock, Western
6.	Trace Elements in Multi-Nutrient Fertilizer
	Wheat Hardness (kernel form)
1.	Wheat Hardness
	Health Care and Nutrients (Liquid & Solid Forms)
1.	Fatty Acids/Cholesterol in Frozen Diet Composite
2.	Meat Homogenate
3.	Typical Diet
4.	Oyster Tissue
5.	Trace Elements in Spinach Leaves
6.	Cholesterol in Whole Egg Powder
7.	Infant/Adult Nutritional Formula
8.	Lake Superior Fish Tissue
9.	Lake Michigan Fish Tissue
10.	Baby Food Composite
11.	Baking Chocolate
12.	Slurried Spinach
13.	Peanut Butter
14.	Tocopherols in Edible Oils
15.	Spray-Dried Whole Egg for Allergen Detection
16.	FDA Saxitoxin Dihydrochloride Solution

	Dietary Supplement Materials (includes nutraceuticals and herbs)
1.	Ginkgo biloba (leaves)
2.	Ginkgo biloba Extract
3.	Ginkgo-Containing Tablets
4.	Ginkgo Dietary Supplement Suite
5.	Serenoa repens (Fruit)
6.	Serenoa repens Extract
7.	Camellia sinensis (Green Tea) Leaves
8.	Camellia sinensis (Green Tea) Extract
9.	Green Tea-Containing Solid Oral Dosage Form
10.	Catechin Calibration Solution
11.	Bitter Orange (Fruit)
12.	Bitter Orange Extract
13.	Bitter Orange-Containing Solid Oral Dosage Form
14.	Bitter Orange Dietary Supplemental Suite
15.	Hypericin Calibration Solution
16.	Botanical Oils Containing Omega-3 and Omega-6 FattyAcids
17.	Omega-3 and Omega-6 Fatty Acids in Fish Oil
18.	Multivitamin/Multielement Tablets
19.	Cranberry (fruit)
20.	Low-Calorie Cranberry Juice Cocktail
21.	Cranberry Extract
22.	Cranberry-Containing Solid, Oral Dosage Form
23.	Mixed Berry-Containing Solid Oral Dosage Form
24.	Organic Acids Calibration Standard
25.	Bilberry Extract

k. Geological Materials and Ores

No.	Description
	Chinese Ores (powder form)
1.	Chinese Tungsten Ore
	Ores (powder form)
1.	Manganese Ore
2.	Bauxite (Arkansas)
3.	Fluorspar, Customs Grade
4.	Zinc Concentrate
5.	Phosphate Rock (Florida)
6.	Fluorspar, High Grade
7.	Lithium Ore (Spodumene)
8.	Lithium Ore (Petalite)
9.	Lithium Ore (Lepidolite)
10.	Tungsten Concentrate
11.	Copper Ore Mill Heads
12.	Copper Ore Mill Tails
13.	Molybdenum Sulfide Concentrate
14.	Molybdenum Oxide Concentrate
15.	Bauxite, Australian-Darling Range
16.	Rutile Ore
17.	Iron Ore Canada
18.	Iron Oxide, Reduced
19.	Iron Ore, Labrador
20.	Iron Ore, Nimba

21.	Phosphate Rock, Western
22.	Bauxite, Surinam
23.	Bauxite, Dominican
24.	Bauxite, Jamaican
25.	Alumina (Reduction Grade)
26.	Gold, Ore Refractory
27.	Borate Ore
28.	Scheelite Ore
	Ore Bioleaching Substrate (powder form)
1.	Pyrite Ore
	Clays (powder form)
1.	Flint Clay
2.	Plastic Clay
3.	Brick Clay
	Rock and Minerals (powder form)
1.	Limestone, Argillaceous
2.	Feldspar, Potash
3.	Glass Sand
4.	Dolomitic Limestone
5.	Soda Feldspar
6.	Glass Sand (Low Iron)
7.	Obsidian Rock
8.	Potassium Feldspar
9.	Basalt Rock
10.	Glass Sand (High Alumina)
	Refractories (powder form)
1.	Burnt Refractory (Al203-40%)
2.	Burnt Refractory (Al203-60%)
3.	Burnt Refractory (Al203-70%)
4.	Titanium Dioxide
5.	Silica Brick
	Soils, Sediments, and Sludges (powder form)
1.	Estuarine Sediment
2.	New York/New Jersey Waterway Sediment
3.	Trace Elements in Soil (contains lead from paint)
4.	Trace Elements in Soil (contains lead from paint)
5.	Hexavalent Chromium in Contaminated Soil (High Level)
6.	Inorganics in Marine Sediment
7.	Sediment for Solid Sampling (Small, Sample) Analytical Techniques
8.	San Joaquin Soil
9.	Montana I Soil
10.	Montana II Soil
11.	Hard Rock Mine Waste
12.	Domestic Sludge
13.	Industrial Sludge
14.	Buffalo River Sediment

l. Ceramics and Glasses

No.	Description
	Carbides and Nitrides (powder form)
1.	Silicon Carbide
2.	Tungsten Carbide
3.	Silicon Nitride Powder
	Carbides and Nitrides (powder form)
1.	Cemented Carbide (W-83,Co-10)
2.	Cemented Carbide (W-64,Co-25,Ta-5)
3.	Cemented Carbide (W-75,Co-9,Ta-5,Ti-4)
	Glasses (powder and solid forms)
1.	Glass Sand
2.	Glass, Lead Barium
3.	Soda-Lime Glass Powder
4.	Borosilicate Glass
5.	Glass Sand (Low Iron)
6.	Soda Lime, Flat
7.	Soda-Lime Container
8.	Soft Borosilicate Glass
9.	Multicomponent Glass
10.	Glass Sand (High Alumina)
11.	Soda Lime Float Glass
12.	Soda Lime Sheet Glass
13.	Fused Ore (Glass)
14.	Silica Fume
	Trace Elements (wafer form)
1.	Trace Elements in Glass
2.	Trace Elements in Glass
3.	Trace Elements in Glass
4.	Trace Elements in Glass
5.	Trace Elements in Glass
6.	Trace Elements in Glass
7.	Trace Elements in Glass
8.	Trace Elements in Glass

m. Cement

No.	Description
	Cements and Related materials (powder form)
1.	Portland Cement
2.	Calcium Aluminate Cement
3.	Portland Cement (White Portland Cement with Low Iron)
4.	Portland Cement (Blended with Limestone)
5.	Silica Fume
	Portland Cement Clinkers (solid form)
1.	Portland Cement Clinker

n. Engine Wear Materials

No.	Description
	Metallo-Organic Compounds (solid form)
1.	Barium Cyclohexanebutyrate (Metallo-Organic)
2.	Bis(1-phenyl-1,3-butanediono)oxovanadium(IV)
3.	Cadmium Cyclohexanebutyrate (Metallo-Organic)
4.	Tin (Metallo-Organic)
5.	Nickel (Metallo-Organic)
6.	Silicon (Metallo-Organic)
7.	Sodium (Metallo-Organic)
8.	Aluminum (Metallo-Organic)
9.	Silver (Metallo-Organic)
10.	Chromium (Metallo-Organic)
11.	Iron (Metallo-Organic)
12.	Copper (Metallo-Organic)
	Lubricating Oils
1.	Wear Metals (Base Oil)
2.	Wear Metals in Lubricating Oil
3.	Chlorine in Lub. Base Oil
4.	Sulfur in Lub. Base Oil
5.	Lubricating Oil Additive Package
	Catalyst Characterization Material (liquid form)
1.	High Sulfur Gas Oil Feed

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