

**Product Testing**

<i>Analysis</i>	<i>Method/Citation</i>
Asbestos	PLM
ASTM F963-16 Heavy Metals Content	ASTM F963-16 4.3.5/8.3
CA Proposition 65 Lead & Phthalates	See CPSC Methods
CPSIA Lead in Metal Substrates	CPSC-CH-E1001-08
CPSIA Lead in Non-Metal Substrates	CPSC-CH-E1002-08
CPSIA Lead in Surface Coatings	CPSC-CH-E1003-09
CPSIA Phthalates (Also Includes DnHP)	CPSC-CH-C1001-09.3
Fourier Transform Infrared Spectroscopy - FTIR	-
Karl Fisher - Low Level Moisture Determination	-
ROHS Characterization	-
Scanning Electron Microscopy	-
Toxics in Packaging	-

Organics (Cont.)

<i>Analysis</i>	<i>Method/Citation</i>
PCBs – Polychlorinated Biphenyls, on Wipes	8082
Pesticides	608 / 8081B
Petroleum Hydrocarbons, Extractable – EPH	MA DEP EPH
Petroleum Hydrocarbons, Total – GC/FID	8100M / 8015B
Petroleum Hydrocarbons, Total – HEM	1664
Petroleum Hydrocarbons, Volatile – VPH	MA DEP VPH
Polynuclear Aromatic Hydrocarbons – PAHs	625 / 8270D
Semi-Volatile Organic Compounds – SVOCs	625 / 8270D
Soxhlet Extraction, Manual	3540C
Trihalomethanes in Drinking Water - THMs	524.2
Volatile Organic Compounds – VOCs	8260C, 524.2, 5035, 624

Organics

<i>Analysis</i>	<i>Method/Citation</i>
Alcohol Scan – Direct Aqueous Injection	DAI-GC/FID
Bisphenol A (BPA) Analysis	-
Ethylene Dibromide & Dibromochloropropane	Aqueous 504
Glycol Scan – Direct Aqueous Injection	8015M / DAI-GC/FID
Haloacetic Acids – HAAs	552.2
Herbicides	8151A
PCBs – Polychlorinated Biphenyls, Soils/Water	608 / 8082
PCBs – Polychlorinated Biphenyls, in Oil	EPA 600/4-81-045

Metals

<i>Analysis</i>	<i>Method/Citation</i>
Metals Preparation – Acid Digestion	3020, 3550
Metals Preparation – Filtration	Vacuum Filtration
Chromium, Hexavalent – Cr+6	218.5, 7196
Chromium, Trivalent – Cr+3	200.7, 218.5, 6010, 7196
ICP Metals	200.7 / 6010
ICP-MS Metals	200.8 / 6020
Iron, Ferric, as Fe+3	200.7 , SM 3500 Fe-D
Iron, Ferrous, as Fe+2	SM 3500 Fe-D

Metals (Cont.)

<i>Analysis</i>	<i>Method/Citation</i>
Mercury, with digestion – CVAA	245.1 / 7470 / 7471
Priority Pollutant-13 Metals – ICP / CVAA	200.7 / 245.1 / 6010
RCRA Metals – ICP / CVAA	6010 / 7470 / 7471
Target Analyte List – TAL, Total MCP Metals	6010 / 7470 / 7471

General Chemistry

<i>Analysis</i>	<i>Method/Citation</i>
Acidity, Total	SM 2310
Alkalinity, Total as CaCO ₃	SM 2320B
Biochemical Oxygen Demand	SM 5210B
Biochemical Oxygen Demand (Carbonaceous)	SM 5210B.4e6
Bromate, Total as BrO ₃	300.1
Bromide, Total as Br -	SM 4500-BrB / 300.1
Carbon Dioxide	SM 4500-CO ₂ D
Chemical Oxygen Demand – CODT	SM 5220D
Chlorides, Total as Cl-	SM 4500-Cl-B / 300.0
Chlorine residual, Total (DPD)	SM 4500-Cl-G
Color, Apparent	SM 2120B
Cyanide, Total as CN	SM 4500-CN-C,E / 9010B
Cyanide, Amenable to Chlorine, as CN	4500-CN-C,G / 9010B
Cyanide, Free, as CN	SM 4500-CN,K
Cyanide, Physiologically Available – PAC	9014
Cyanide, Weak Acid Dissociable	SM 4500-CN-I
Fluoride, Total as F	SM 4500-F-B, D / 300.0
Formaldehyde – HPLC method	Formaldehyde – HPLC method

General Chemistry (Cont.)

<i>Analysis</i>	<i>Method/Citation</i>
Hardness, Total as CaCO ₃ , by calculation	200.7 / 2340B
Moisture Content, Total @ 103 °C	SM 2540B
Nitrogen, Total – TN (Nitrate + Nitrite + TKNT)	300.0 + SM 18-B,E/19,
Nitrogen, Total Ammonia as N	SM 4500-NH ₃ -C
Nitrogen, Total Kjeldahl as N – TKNT	SM 18-B,E/19,
Nitrogen, Total Nitrate as N	4500-NO ₃ -E / 300.0
Nitrogen, Total Nitrite as N	4500-NO ₂ -B / 300.0
Odor, Threshold Odor Number	140.1
Oil & Grease, Total – HEM	1664
Oxidation & Reduction Potential – ORP	ASTM D1498-08
Oxygen, Dissolved	SM 4500-O,G
pH	SM 4500-H-B / 9040
Phenols, Total (colorimetry)	420.1 / 9065
Phenols, Total (GC-MS)	625 / 8270
Phosphate, Ortho, as P	SM 4500-P-B / 300.0
Phosphate, Total, as P	SM 4500-P-B-E
Quaternary Ammonium Compounds as CTAB	HACH
Salinity	SM 2520B
Silica, Total	8186
Solids, Settleable	SM 2540F
Solids, Total – TS, @ 103 °C	SM 2540B
Solids, Total Dissolved – TDS	SM 2540C
Solids, Total Suspended – TSS	SM 2540D

General Chemistry (Cont.)

<i>Analysis</i>	<i>Method/Citation</i>
Solids, Volatile, Suspended – VSS	SM 2450E
Solids, Volatile, Total – TVS, @ 550 °C	SM 2450E
Specific Conductivity	SM 2510B / 120.1
Specific Gravity	D1298
Sulfate, Total as SO4	SM 4500-SO4E / 300.1
Sulfite, Total as SO3	300.1
Sulfur, Total as S	ASTM D129
Surfactants as C.T.A.S.	SM 5540D
Surfactants as M.B.A.S.	SM 5540C
Tannin & Lignin	SM 5550B
Total Organic Carbon – TOC	5310B, 9060
Total Organic Matter – TOM	ASTM D2974-87
Turbidity	2130B / 180.1
UV-254 Absorbance	SM 5910B

Microbiology

<i>Analysis</i>	<i>Method/Citation</i>
Coliform Bacteria, Escherichia Coli – E.Coli	9213D / 9223B
Coliform Bacteria, Fecal (MF / P-A)	SM 9222D / 9223B
Coliform Bacteria, Total (MF / P-A)	SM 9222B / 9223B
Enterococci	Enterolert
Heterotrophic Plate Count (HPC)	9215B, R2A Agar

Microbiology (Cont.)

<i>Analysis</i>	<i>Method/Citation</i>
USP51/61	9215B, R2A Agar

Waste Characteristics

<i>Analysis</i>	<i>Method/Citation</i>
BTU Content – Gross Calorific Value	ASTM D1989
Conductivity, Specific	SM 2510B / 120.1
Corrosivity – Reported as pH	SM 4500-H-B / 9040/9045
Halogens, Total	ASTM D808
Ignitability – Burn Rate	1030
Ignitability – Flashpoint	1010
Paint Filter Test – Free Liquids	9095
Reactivity – Cyanide & Sulfide	SW-846 7.3.3 / 7.3.4
Reactivity – Cyanide only	SW-846 7.3.3
Reactivity – Sulfide only	SW-846 7.3.4

Exposure Assessment & Management

<i>Analysis</i>	<i>Method/Citation</i>
Asbestos Inspections, Monitoring & Consulting	-
Airborne & Direct Fungal Analyses	-
Industrial Hygiene	-
Indoor Air Quality Assessment (IAQ)	-
Occupational Training*	-

*Occupational Training Includes General Respiratory Protection (OSHA 1910), Silica Dust Awareness, Lead Awareness, Asbestos Awareness & Mold Awareness

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