

Government Laboratory			
TEST CATEGORY 测试类别	ITEMS, MATERIALS OR PRODUCTS TESTED 测试项目、材料或产品	SPECIFIC TESTS OR PROPERTIES MEASURED 特定测试或量度的特性	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED 规范、标准方法或应用技术
ENVIRONMENTAL TESTING 环境测试	Ambient air in DNPH Impregnated SEP-PAK Cartridge	Carbonyl compounds : Formaldehyde Acetaldehyde Acrolein Acetone Propionaldehyde Crotonaldehyde Methyl ethyl ketone Butylaldehyde/IBA Benzaldehyde Isovaleraldehyde Valeraldehyde o-Tolualdehyde m-Tolualdehyde p-Tolualdehyde Hexanaldehyde 2,5-Dimethylbenzaldehyde	In-house Method GL-OR-8

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ENVIRONMENTAL TESTING (cont'd) 环境测试(续上)	Ambient Air (cont'd)	Volatile organic compounds : Freon 12 Chloromethane Freon 114 Chloroethene Bromomethane Chloroethane Freon 11 1,1-Dichloroethene Methylene chloride Freon 113 1,1-Dichloroethane cis-1,2-Dichloroethene Chloroform 1,2-Dichloroethane 1,1,1-Trichloroethane Benzene Carbon tetrachloride 1,2-Dichloropropane Trichloroethene cis-1,3 -Dichloropropene trans-1,3-Dichloropropene 1,1,2-Trichloroethane Toluene 1,2-Dibromoethane Tetrachloroethene Chlorobenzene Ethylbenzene m-/p-Xylene Styrene 1,1,2,2-Tetrachloroethane o-Xylene 4-Ethyltoluene 1,3,5-Trimethylbenzene 1,2,4-Trimethylbenzene Benzyl chloride m-Dichlorobenzene p- Dichlorobenzene o- Dichlorobenzene 1,2,4-Trichlorobenzene Hexachlorobutadiene	USEPA TO-14A

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ENVIRONMENTAL TESTING (cont'd) 环境测试(续上)	Ambient air (cont'd)	Volatile organic compounds (cont'd): Propylene Propane Freon 22 1-Propyne Iso-butane 1-Butene/Iso-Butylene Butane trans-2-Butene 2,2-Dimethylpropane 1-Butyne cis-2-Butene 1,3-Butadiene 2-Methylbutane 1-Pentene 2-Methyl-1-Butene Pentane Isoprene Bromoethane trans-2-Pentene cis-2-Pentene 2-Methyl-2-Butene 3-Chloropropene 2,2-Dimethylbutane Cyclopentene trans-1,2-Dichloroethene 4-Methyl-1-Pentene 3-Methyl-1-Pentene Cyclopentane 2,3-Dimethylbutane trans-4-Methyl-2-Pentene 2-Methylpentane cis-4-Methyl-2-Pentene 3-Methylpentane Hexane trans-2-Hexene 2-Ethyl-1-Butene trans-3-Methyl-2-Pentene cis-2-Hexene cis-3-Methyl-2-Pentene Methylcyclopentane 2,4-Dimethylpentane 2,2,3-Trimethylbutane 1-Methylcyclopentene Cyclohexane 2-Methylhexane 2,3-Dimethylpentane Cyclohexene	In-house Method GL-OR-9

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ENVIRONMENTAL TESTING (cont'd) 环境测试(续上)	Ambient air (cont'd)	Volatile organic compounds (cont'd): 3-Methylhexane Dibromomethane Bromodichloromethane 1-Heptene 2,2,4-Trimethylpentane trans-3-Heptene Heptane cis-3-Heptene trans-2-Heptene cis-2-Heptene 2,2-Dimethylhexane Methylcyclohexane 2,5-Dimethylhexane 2,4-Dimethylhexane Bromotrichloromethane 2,3,4-Trimethylpentane 2-Methylheptane 1-Methylcyclohexene 4-Methylheptane 3-Methylheptane Dibromochloromethane 2,2,5-Trimethylhexane 1-Octene Octane trans-1,2-Dimethylcyclohexane cis-1,2-Dimethylcyclohexane 1,2,4-Trimethylcyclohexane Bromoform 1,4-Dichlorobutane 1-Nonene Nonane Iso-Propylbenzene 3,6-Dimethyloctane m-/p-Chlorotoluene n-Propylbenzene o-Chlorotoluene 3-Ethyltoluene 2-Ethyltoluene Tert-Butylbenzene 1-Decene Decane Iso-Butylbenzene Sec-Butylbenzene 1,2,3-Trimethylbenzene p-Cymene	In-house Method GL-OR-9

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ENVIRONMENTAL TESTING (cont'd) 环境测试(续上)	Ambient air (cont'd)	Volatile organic compounds (cont'd): Indan 1,3-Diethylbenzene 1,4-Diethylbenzene n-Butylbenzene 1,2-Diethylbenzene Undecane 1,2,3,5-Tetramethylbenzene 1,2,4,5-Tetramethylbenzene Naphthalene Dodecane Hexylbenzene	In-house Method GL-OR-9
	Ambient air collected on PUF and resin	Polycyclic aromatic hydrocarbons: Acenaphthene Acenaphthylene Anthracene Benzo(a)anthracene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(g,h,i)perylene Benzo(a)pyrene Benzo(e)pyrene Chrysene Dibenzo(a,h)anthracene Fluoranthene Fluorene Indeno(1,2,3-cd)pyrene Naphthalene Phenanthrene Pyrene	In-house Method GL-OR-10
	Asbestos bulk samples	Identification	In-house Method GL-AB-1
	Asbestos air-borne fibres and dust	Air sampling - clearance sampling	In-house Method GL-AB-2
	Asbestos air-borne samples	Fibre counting - clearance indicator	MDHS 39/4

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ENVIRONMENTAL TESTING (cont'd) 环境测试(续上)	Incinerator fly ash	Polychlorinated dibenzo-p-dioxins and polychlorinated dibenzofurans : 2,3,7,8-TCDF 2,3,7,8-TCDD 1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,7,8,9-HxCDF 1,2,3,4,7,8-HxCDD 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF 1,2,3,4,6,7,8-HpCDD OCDF OCDD	In-house Method GL-OR-6 (HRGC-HRMS)
	Fly ash	Dioxin-like Polychlorinated Biphenyl (PCB) congeners: 3,3',4,4'-Tetrachlorobiphenyl (PCB #77) 3,4,4',5-Tetrachlorobiphenyl (PCB #81) 2,3,3',4,4'-Pentachlorobiphenyl (PCB #105) 2,3,4,4',5-Pentachlorobiphenyl (PCB #114) 2,3',4,4',5-Pentachlorobiphenyl (PCB #118) 2',3,4,4',5-Pentachlorobiphenyl (PCB #123) 3,3',4,4',5-Pentachlorobiphenyl (PCB #126) 2,3,3',4,4',5-Hexachlorobiphenyl (PCB #156) 2,3,3',4,4',5'-Hexachlorobiphenyl (PCB #157) 2,3',4,4',5,5'-Hexachlorobiphenyl (PCB #167) 3,3',4,4',5,5'-Hexachlorobiphenyl (PCB #169) 2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB #189)	In-house Method GL-OR-66 (HRGC-HRMS)

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ENVIRONMENTAL TESTING (cont'd) 环境测试(续上)	Water and Wastewater	Physical Examination :- - Chlorophyll-a & Phaeo-pigments - Colour - Conductivity - Dissolved Oxygen - pH Value - Settleable Solids - Total Solids dried at 103-105°C - Total Suspended Solids dried at 103-105°C - Total Volatile Solids and Volatile Suspended Solids ignited at 550°C - Turbidity	In-house Method GL-OR-34 In-house Method GL-PH-12 (Lovibond Tintometer) BS 2690 Part 9 : 1970 : Section 6 APHA 17e 4500-O G APHA 20e 4500-OG APHA 17e 4500-H ⁺ B APHA 20e 4500- H ⁺ B APHA 17e 2540Fb In-house Method GL-PH-19 APHA 17e 2540D APHA 20e 2540D In-house Method GL-PH-23 In-house Method GL-PH-19 In-house Method GL-PH-23 In-house Method GL-PH-20

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ENVIRONMENTAL TESTING (cont'd) 环境测试(续上)	Water and Wastewater (cont'd)	Trace Metals :- - Digestion/Sample Preparation Procedures - Chromium, Copper, Iron, Lead, Manganese, Nickel, Zinc - Cadmium - Barium, Cadmium Chromium, Copper, Iron, Lead, Manganese, Nickel - Selenium - Arsenic - Antimony - Mercury - Aluminium, Antimony, Barium, Boron, Calcium, Chromium, Copper, Iron, Magnesium, Manganese, Nickel, Silver, Sodium, Vanadium, Zinc - Antimony, Barium, Beryllium, Boron, Cadmium, Chromium, Copper, Iron, Manganese, Nickel, Lead, Silver, Thallium, Vanadium, Zinc - Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Copper, Iron, Manganese, Nickel, Lead, Selenium, Silver, Thallium, Vanadium, Zinc	APHA 17e 3030A, F3.b, 3112B, 3113B, 4a.3 3114B, 4d APHA 20e 3030A, E2, F3b In-house Method GL-TE-50 APHA 17e 3111B, D (Flame AAS) APHA 20e 3113 (Electrothermal AAS) APHA 17e 3113 (Electrothermal AAS) APHA 17e 3114 (Hydride Generation AAS) In-house Method GL-TE-66 (Hydride Generation ICP-MS) APHA 17e 3114 with modification (Hydride Generation AAS) In-house Method GL-TE-66 (Hydride Generation ICP-MS) In-house Method GL-TE-66 (Hydride Generation ICP-MS) APHA 17e 3112B APHA 20e 3112 (Cold vapour AAS) In-house Method GL-TE-66 (Cold Vapour ICP-MS) APHA 17e 3120 (ICP-AES) APHA 20e 3120 (ICP-AES) APHA 20e 3125 (ICP-MS)

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ENVIRONMENTAL TESTING (cont'd) 环境测试(续上)	Water and Wastewater (cont'd)	Trace Metals :- (cont'd) - Aluminium, Antimony, Arsenic, Barium, Beryllium, Bismuth, Boron, Cadmium, Calcium, Cesium, Chlorine, Chromium, Cobalt, Copper, Iodine, Iron, Lead, Lithium, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Rubidium, Ruthenium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Uranium, Vanadium, Zinc - Aluminium, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc Non - metallic Constituents :- - Chloride - Cyanide - Fluoride - Nitrogen (Ammonia) - Nitrogen (Nitrate) - Nitrogen (Nitrite)	In-house Method GL-TE-63 (ICP-MS) In-house Method GL-TE-60 (ICP-AES) APHA 17e and 20e 4500-Cl ⁻ B & D In-house Method GL-IN-43 (FIA) ASTM D2036-89A ASTM D2036-98A In-house Method GL-IN-42 (FIA) APHA 17e 4500-F ⁻ C APHA 20e 4500-F ⁻ C In-house Method GL-IN-47 (FIA) APHA 17e 4500-NH ₃ B, C APHA 20e 4500-NH ₃ B, F In-house Method GL-IN-15 (FIA) APHA 17e and 20e 4500-NO ₃ ⁻ E In-house Method GL-IN-18 (FIA) APHA 17e and 20e 4500-NO ₂ ⁻ B In-house Method GL-IN-18 (FIA)

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ENVIRONMENTAL TESTING (cont'd) 环境测试(续上)	Water and Wastewater (cont'd)	Non - metallic Constituents :- (cont'd) - Nitrogen (Total Kjeldahl) - Phosphorus (Total) - Phosphorus (Reactive) - Phosphorus (Dissolved & Reactive) - Silica - Sulphate - Total Sulphide - Total Residual Chlorine Organic Pollutants :- - Oil & Grease - Hydrocarbons - Total Organic Carbon - Oxygen-Demand (Biochemical) - Oxygen-Demand (Chemical)	APHA 20e 4500-Norg D In-house Method GL-IN-14, GL-IN-15 (FIA) APHA 20e 4500-P B & E ASTM D515-88A In-house Method GL-IN-14, GL-IN-16 APHA 17e and 20e 4500-P E In-house Method GL-IN-16 (FIA) In-house Method GL-IN-17 (FIA) APHA 17e and 20e 4500-SO ₄ ²⁻ C In-house Method GL-IN-39 (Ion Chromatography) APHA 17e 4500-S ²⁻ B, C & D APHA 20e 4500-S ²⁻ B, C & D APHA 17e 4500-C1 G APHA 20e 4500-C1 G APHA 20e 5520B In-house Method GL-OR-28 APHA 20e 5520F In-house Method GL-OR-28 GL-OR-32 BS 6068 : Section 2.14 : 1984 BS 6068 : Section 2.63 : 1998 EN 1899-1 : 1998 APHA 20e 5210B ASTM D 1252-88 A and B ASTM D 1252-00 A and B

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ENVIRONMENTAL TESTING (cont'd) 环境测试(续上)	Water and Wastewater (cont'd)	Semivolatile Organic Compounds :- Acenaphthene Acenaphthylene Aldrin Anthracene Benzo(a)anthracene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(g,h,i)perylene Benzo(a)pyrene alpha - BHC beta - BHC delta - BHC gamma - BHC (Lindane) 2,4' - DDD 4,4' - DDD 2,4' - DDE 4,4' - DDE 2,4' - DDT 4,4' - DDT Chrysene Dibenz(a,h)anthracene Dieldrin Endosulfan I Endosulfan II Endrin Fluoranthene Fluorene Heptachlor Heptachlor epoxide Hexachlorobenzene Indeno(1,2,3-cd)pyrene Phenanthrene Pyrene	In-house Method GL-OR-21 (GCMS)

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ENVIRONMENTAL TESTING (cont'd) 环境测试(续上)	Water and Wastewater (cont'd)	Polychlorinated dibenzo-p-dioxins and polychlorinated dibenzofurans : 2,3,7,8-TCDF 2,3,7,8-TCDD 1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,7,8,9-HxCDF 1,2,3,4,7,8-HxCDD 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF 1,2,3,4,6,7,8-HpCDD OCDF OCDD	In-house Method GL-TT-3 (HRGC-HRMS)

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ENVIRONMENTAL TESTING (cont'd) 环境测试(续上)	Water and Wastewater (cont'd)	Polychlorinated Biphenyl (PCB) Congeners: 2,4'-Dichlorobiphenyl (PCB #8) 2,2',5'-Trichlorobiphenyl (PCB #18) 2,4,4'-Trichlorobiphenyl (PCB #28) 2,4',5'-Trichlorobiphenyl (PCB #31) 2,2'3,5'-Tetrachlorobiphenyl (PCB #44) 2,2',5,5'-Tetrachlorobiphenyl (PCB #52) 2,3',4,4'-Tetrachlorobiphenyl (PCB 66) 3,3',4,4'-Tetrachlorobiphenyl (PCB #77) 3,4,4',5-Tetrachlorobiphenyl (PCB #81) 2,2',4,5,5'-Pentachlorobiphenyl (PCB #101) 2,3,3',4,4'-Pentachlorobiphenyl (PCB #105) 2,3,4,4',5-Pentachlorobiphenyl (PCB #114) 2,3',4,4',5-Pentachlorobiphenyl (PCB #118) 2',3,4,4',5-Pentachlorobiphenyl (PCB #123) 3,3',4,4',5-Pentachlorobiphenyl (PCB #126) 2,2',3,3',4,4'-Hexachlorobiphenyl (PCB #128) 2,2',3,4,4',5'-Hexachlorobiphenyl (PCB #138) 2,2',3,4',5',6-Hexachlorobiphenyl (PCB #149) 2,2',4,4',5,5'-Hexachlorobiphenyl (PCB #153) 2,3,3',4,4',5-Hexachlorobiphenyl (PCB #156) 2,3,3',4,4',5'-Hexachlorobiphenyl (PCB #157) 2,3',4,4',5,5'-Hexachlorobiphenyl (PCB #167) 3,3',4,4',5,5'-Hexachlorobiphenyl (PCB #169) 2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB #170) 2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB #180) 2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB #187) 2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB #189)	In-house Method GL-OR-57 (GC-MS)

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ENVIRONMENTAL TESTING (cont'd) 环境测试(续上)	Saline water	Trace Metals :- Digestion / Sample Preparation Procedure - Cadmium, Copper, Lead, Nickel, Zinc - Aluminium, Arsenic, Barium, Cadmium, Cobalt, Chromium, Copper, Iron, Manganese, Molybdenum, Nickel, Lead, Selenium, Tin, Titanium, Vanadium, Zinc - Antimony, Arsenic, Mercury, Selenium Non-metallic Constituents :- - Nitrogen (Ammonia) - Nitrogen (Nitrate) - Phosphorus (Dissolved & Reactive)	In-house Method GL-TE-50 In-house Method GL-TE-67 (On line chelation preconcentration ICP-MS) In-house Method GL-TE-63 (ICP-MS) In-house Method GL-TE-66 (Hydride Generation ICP-MS) In-house Method GL-IN-15 (FIA) In-house Method GL-IN-18 (FIA) In-house Method GL-IN-16 (FIA)

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ENVIRONMENTAL TESTING (cont'd) 环境测试(续上)	Biota	Trace Metals : (Acid Leachable) - Digestion Procedure - Aluminium, Chromium, Copper, Iron, Lead, Manganese, Nickel, Tin, Zinc - Aluminium, Cadmium, Chromium, Copper, Iron, Manganese, Nickel, Zinc - Arsenic - Aluminium, Antimony, Arsenic, Cadmium, Cesium, Chromium, Cobalt, Copper, Iodine, Iron, Lead, Manganese, Mercury, Nickel, Rubidium, Selenium, Silver, Strontium, Tin, Uranium, Vanadium, Zinc - Mercury Dioxin-like Polychlorinated Biphenyl (PCB) congeners: 3,3',4,4'-Tetrachlorobiphenyl (PCB #77) 3,4,4',5-Tetrachlorobiphenyl (PCB #81) 2,3,3',4,4'-Pentachlorobiphenyl (PCB #105) 2,3,4,4',5-Pentachlorobiphenyl (PCB #114) 2,3',4,4',5-Pentachlorobiphenyl (PCB #118) 2',3,4,4',5-Pentachlorobiphenyl (PCB #123) 3,3'4,4',5-Pentachlorobiphenyl (PCB #126) 2,3,3',4,4',5-Hexachlorobiphenyl (PCB #156) 2,3,3',4,4',5'-Hexachlorobiphenyl (PCB #157) 2,3',4,4',5,5'-Hexachlorobiphenyl (PCB #167) 3,3',4,4',5,5'-Hexachlorobiphenyl (PCB #169) 2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB #189)	In-house Method GL-TE-52 (Acid Digestion Procedure for Biota) APHA 17e 3120 (ICP-AES) In-house Method GL-TE-60 (ICP-AES) APHA 17e 3114 with modification (Hydride Generation AAS) In-house Method GL-TE-65 (ICP-MS) APHA 17e 3112B (Cold vapour AAS) In-house Method GL-OR-67 (HRGC-HRMS)

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ENVIRONMENTAL TESTING (cont'd) 环境测试(续上)	Biota	Polychlorinated Biphenyl (PCB) Congeners: 2,4'-Dichlorobiphenyl (PCB #8) 2,2',5'-Trichlorobiphenyl (PCB #18) 2,4,4'-Trichlorobiphenyl (PCB #28) 2,4',5'-Trichlorobiphenyl (PCB #31) 2,2'3,5'-Tetrachlorobiphenyl (PCB #44) 2,2',5,5'-Tetrachlorobiphenyl (PCB #52) 2,3',4,4'-Tetrachlorobiphenyl (PCB 66) 3,3',4,4'-Tetrachlorobiphenyl (PCB #77) 3,4,4',5-Tetrachlorobiphenyl (PCB #81) 2,2',4,5,5'-Pentachlorobiphenyl (PCB #101) 2,3,3',4,4'-Pentachlorobiphenyl (PCB #105) 2,3,4,4',5-Pentachlorobiphenyl (PCB #114) 2,3',4,4',5-Pentachlorobiphenyl (PCB #118) 2',3,4,4',5-Pentachlorobiphenyl (PCB #123) 3,3',4,4',5-Pentachlorobiphenyl (PCB #126) 2,2',3,3',4,4'-Hexachlorobiphenyl (PCB #128) 2,2',3,4,4',5'-Hexachlorobiphenyl (PCB #138) 2,2',3,4',5',6-Hexachlorobiphenyl (PCB #149) 2,2',4,4',5,5'-Hexachlorobiphenyl (PCB #153) 2,3,3',4,4',5-Hexachlorobiphenyl (PCB #156) 2,3,3',4,4',5'-Hexachlorobiphenyl (PCB #157) 2,3',4,4',5,5'-Hexachlorobiphenyl (PCB #167) 3,3',4,4',5,5'-Hexachlorobiphenyl (PCB #169) 2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB #170) 2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB #180) 2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB #187) 2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB #189)	In-house Method GL-OR-56 (GC-MS)

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ENVIRONMENTAL TESTING (cont'd) 环境测试(续上)	Sediment	Trace Metals : (Acid Leachable) - Digestion Procedure - Aluminium, Boron, Cadmium, Chromium, Copper, Iron, Lead, Manganese, Nickel, Zinc - Aluminium, Arsenic, Barium, Boron, Cadmium, Chromium, Copper, Iron, Lead, Manganese, Nickel, Vanadium, Zinc - Arsenic - Aluminium, Arsenic, Barium, Cadmium, Chromium, Cobalt, Copper, Iron, Lead, Manganese, Mercury, Nickel, Selenium, Silver, Tin, Vanadium, Zinc - Mercury - Antimony, Arsenic, Selenium Non-metallic Constituents :- - Total Carbon - Total Inorganic Carbon	In-house Method GL-TE-51 (Acid Digestion Procedure for Sediment) APHA 17e 3120 (ICP-AES) In-house Method GL-TE-60 (ICP-AES) APHA 17e 3114 with modification (Hydride Generation AAS) In-house Method GL-TE-64 (ICP-MS) APHA 17e 3112B (Cold vapour AAS) In-house Method GL-TE-66 (Cold vapour ICP-MS) In-house Method GL-TE-66 (Hydride Generation ICP-MS) In-house Method GL-OR-33 In-house Method GL-OR-33

Government Laboratory			
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ENVIRONMENTAL TESTING (cont'd) 环境测试(续上)	Sediment (cont'd)	Organic Pollutants: Polychlorinated Biphenyls Polychlorinated Biphenyl Congeners :- 2,4'-Dichlorobiphenyl (8) 2,2',5-Trichlorobiphenyl (18) 2,4,4'-Trichlorobiphenyl (28) 2,4',5-Trichlorobiphenyl (31) 2',3,4-Trichlorobiphenyl (33) 2,2', 3,5'-Tetrachlorobiphenyl (44) 2,2', 5,5'-Tetrachlorobiphenyl (52) 2,3', 4,4'-Tetrachlorobiphenyl (66) 2,3', 4',5-Tetrachlorobiphenyl (70) 3,3', 4,4'-Tetrachlorobiphenyl (77) 3,4,4',5-Tetrachlorobiphenyl (81) 2,2', 4,5,5'-Pentachlorobiphenyl (101) 2,3,3',4,4'-Pentachlorobiphenyl (105) 2,3,4,4',5-Pentachlorobiphenyl (114) 2,3', 4,4',5-Pentachlorobiphenyl (118) 2,3',4,4',6-Pentachlorobiphenyl (119) 2',3,4,4',5-Pentachlorobiphenyl (123) 3,3',4,4',5-Pentachlorobiphenyl (126) 2,2', 3,3', 4,4'-Hexachlorobiphenyl (128) 2,2', 3,4,4',5'-Hexachlorobiphenyl (138) 2,2',3,4',5',6-Hexachlorobiphenyl (149) 2,2',4,4',5,5'-Hexachlorobiphenyl (153) 2,3,3', 4,4',5-Hexachlorobiphenyl (156) 2, 3,3',4,4',5-Hexachlorobiphenyl (157) 2,3',4,4',5,5'-Hexachlorobiphenyl (167) 3,3',4,4',5,5'-Hexachlorobiphenyl (169) 2,2',3,3',4,4',5-Heptachlorobiphenyl (170) 2,2',3,4,4',5,5'-Heptachlorobiphenyl (180) 2,2',3,4',5,5',6-Heptachlorobiphenyl (187) 2,3,3',4,4',5,5'-Heptachlorobiphenyl (189) 2,2',3,3',4,4',5,5'-Octachlorobiphenyl (194) 2,2',3,3',4,4',5,6-Octachlorobiphenyl (195) 2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (206)	In-house Method GL-OR-25 (ASE/GC-MSD) In-house Method GL-OR-25 (ASE/GC-MSD)

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ENVIRONMENTAL TESTING (cont'd) 环境测试(续上)	Sediment and Biota (cont'd)	Organic Pollutants:- (cont'd) - Extraction of Trace Organics (PCBs) Polychlorinated dibenzo-p-dioxins and polychlorinated dibenzofurans : 2,3,7,8-TCDF 2,3,7,8-TCDD 1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,7,8,9-HxCDF 1,2,3,4,7,8-HxCDD 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF 1,2,3,4,6,7,8-HpCDD OCDF OCDD	In-house method GL-OR-24 (Selective accelerated solvent extraction) In-house Method GL-TT-3 (HRGC-HRMS)
	Sediment, Soil and Sludge	Dioxin-like Polychlorinated Biphenyl (PCB) congeners: 3,3',4,4'-Tetrachlorobiphenyl (PCB #77) 3,4,4',5-Tetrachlorobiphenyl (PCB #81) 2,3,3',4,4'-Pentachlorobiphenyl (PCB #105) 2,3,4,4',5-Pentachlorobiphenyl (PCB #114) 2,3',4,4',5-Pentachlorobiphenyl (PCB #118) 2',3,4,4',5-Pentachlorobiphenyl (PCB #123) 3,3'4,4',5-Pentachlorobiphenyl (PCB #126) 2,3,3',4,4',5-Hexachlorobiphenyl (PCB #156) 2,3,3',4,4',5'-Hexachlorobiphenyl (PCB #157) 2,3',4,4',5,5'-Hexachlorobiphenyl (PCB #167) 3,3',4,4',5,5'-Hexachlorobiphenyl (PCB #169) 2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB #189)	In-house Method GL-OR-62 (HRGC-HRMS)

