

SINGAPORE LABORATORY ACCREDITATION SCHEME



Schedule

Eurofins Mechem Pte. Ltd.
127 Woodlands Industrial Park E5
Woodlands e-Terrace
Singapore 757500

Certificate No. : LA-2017-0643-F

Issue No. : 11

Date : 8 May 2026

Expiry of Certificate : 24 May 2030

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ACCREDITATION STANDARD: ISO/IEC 17025:2017
FIELD OF TESTING : Environmental Testing

MATERIALS / PRODUCTS TESTED	TESTS / PROPERTIES	STANDARD METHODS / TECHNIQUES / EQUIPMENT
CHEMISTRY FIELD		
A WATER ANALYSIS		
<u>APHA Methods 24th Edition 2023</u>		
I WATER CHEMISTRY	1. Ammoniacal Nitrogen (as N) mg/l	APHA 4500-NH ₃ -B/C/F (Scope: All)
a. Potable / Drinking Tap/ Mineral Water	2. Ammonia (as N)	APHA 4500-NH ₃ -D (Scope: All except e)
b. Swimming / Jacuzzi / Spa / Recreational / Other Pool Water	3. Ammonium	EMC-TP-6013 (Scope All)
c. Waste & Industrial Water / Sewage & Trade Effluent	4. Appearance	APHA 2110 (Scope: All)
d. Catchment / River Well / Ground / Pond Spring Water	5. Bromate (BrO ₃)	APHA 4110 D (Scope: All except e)
e. Sea / Ballast Water	6. Biochemical Oxygen Demand	APHA 5210 B (Scope: All) ISO 5815: 2019
f. Water Feature Water	7. Chemical Oxygen Demand	Manual on Chemical Analysis of Coastal Seawater & Sediment (Scope: e) APHA 5220 B (Scope: All) APHA 5220 C (Scope: All) HACH 8000 (Scope: All) ISO 15705: 2002
g. Cooling/ Aircon Tower Water	8. Chlorate & Chlorite	APHA 4110D (Scope: All)
h. Boiler/ Chiller Water	9. Chloride, Fluoride, Nitrate Nitrite, Sulphate, Phosphate, Bromide	APHA 4110 B (Scope: All except e)
i. Processed Water: DI/ RO/ Ultrapure	10. Color	APHA 2120B (Scope: All)

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	11. Conductivity	APHA 2510B(Scope: All)
	12. Cyanide (Total, Free, Complex)	APHA 4500-CN ⁻ -B/C/E (Scope: All)
	13. Cyanuric Acid	MERCK Photometric Method (Scope: All except e)
	14. DMF/DMSO	USEPA 1671 A (Scope: All)
	15. Detergent	APHA 5540 C (Scope: All)
	16. Dissolved Organic Carbon	APHA 5310 B (Scope: All)
	17. Dissolved Oxygen, mg/l	APHA 5210 B (Scope: All)
	18. Elemental analysis by AAS: Iron & Copper	APHA 3111 B (Scope: All)
	19. Elemental analysis by ICP : Aluminum, Antimony, Arsenic, Barium Beryllium, Boron, Cadmium, Chromium, Copper, Cobalt, Calcium, Iron, Lead, Lithium, Manganese, Magnesium, Molybdenum, Nickel, Potassium, Silicon, Silica, Sodium, Silver, Selenium, Strontium, Thallium, Tin, Vanadium, Zinc, Tellurium	APHA 3120 B (Scope: All)
	20. Flocculated & Filtered Chemical Oxygen Demand (ffCOD)	HACH 8000 (Scope: All)
	21. Fluoride	APHA 4500 FC (Scope: All except e)
	22. Free Residual Chlorine	APHA 4500-Cl-G, DPD No 1 (Scope: All)
	23. Hexavalent Chromium	HACH 8023 (Scope: All)
	24. Heavy Metals in Water by GFAAS: As, Cd, Pb, Sb, Se	APHA 3113B (Scope: All)
	25. Hydrazine	ASTM D 1385-07 (Scope: All except e)

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	26. Ionic surfactant, mg/L (LAS as MBAS)	APHA 5540 C (Scope: All)
	27. Mercury – (as Hg)	EMC-TP-3305 (Scope: All)
	28. M-Alkalinity	APHA 2320 B (Scope: All)
	29. Nitrite (NO ₂)	HACH 8507 (Scope: All)
	30. Oil & Grease	APHA 5520B (Scope: All)
	31. Oil & Grease – Hydrocarbons (Partition – Gravimetric Method)	APHA 5520B/F (Scope: All)
	32. Oil & Grease (Non-Hydrocarbon) By Deduction	APHA 5520B/F (Scope: All)
	33. Odour	EMC-TP-3279 (Scope: All)
	34. Phenols	APHA 5530-B/C (Scope: All)
	35. pH Value	APHA 4500 H-B (Scope: All)
	36. P-Alkalinity	APHA 2320 B (Scope: All)
	37. PBDE	USEPA 3510 C / USEPA 8270 E (Scope: All)
	38. Sampling of Water: Potable/ Swimming Pool Water Storage Tank/Tap Point/Pool/AF/AGS	SAM/M-PS001/SAM/M-PT001 (a) SAM/M-S001 (Scope: b)
	39. Sulfur	EMC-TP-6338 (Scope: All except e)
	40. Sulphite (as SO ₃ ²⁻)	APHA 4500 SO ₃ ²⁻ B (Scope: All except e)
	41. Sulphide (as H ₂ S)	HACH 8131 (Scope: All)
	42. Sulfide	APHA 4500-S ₂ ⁻ -C/ F (Scope: All)
	43. Salinity, g/l	APHA 2520B (Scope: All)

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	44. Sulfate (SO ₄), mg/l	APHA 4110B (Scope: All)
	45. Temperature	APHA 2550B (Scope: All)
	46. Turbidity	APHA 2130B (Scope: All)
	47. Total Alkalinity	APHA 2320B (Scope: All)
	48. Total Hardness	APHA 2340C (Scope: All) APHA 2340B (Scope: All)
	49. Total Solids	APHA 2540B (Scope: All)
	50. Total Dissolved Solids	APHA 2540C (Scope: All)
	51. Total Suspended Solids	APHA 2540D (Scope: All) EMC-TP-3350
	52. Total Phosphorus	(Scope: All)
	53. Total Nitrogen	HACH Method 10071 (Scope: All)
	54. Total Kjeldahl Nitrogen (TKN)	TECATOR (Scope: All)
	55. Total Residual Chlorine	APHA 4500-Cl-G, DPD No 1/3/4 (Scope: All)
	56. Total Organic Carbon	APHA 5310 B (Scope: All)
	57. Volatile Organic Compounds (VOC) <i>See Appendix A for details</i>	USEPA 8260 D (Scope: All)
	58. Semi-Volatile Compounds (SVOC) <i>See Appendix B for details</i>	USEPA 3510 C/ USEPA 8270 E (Scope: All)
	59. Bromine	Lovibond (Scope: All)
	60. Metals in water by ICP MS <i>See Appendix C for details</i>	USEPA 200.8/ APHA 3125 B (Scope: All)
	61. Dissolved Oxygen	APHA 4500 O G (Scope: All)

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]	62. TPH (GRO)	USEPA 8015 D (Scope: All)
	63. TPH (DRO) / Mineral oil in Water	USEPA 8015 D (Scope: All)
	64. Acidity	APHA 2310 B (Scope: All)
	65. Organochlorine Pesticides <i>See Appendix D for details</i>	USEPA 8081 B (Scope: All)
	66. Perchlorate	USEPA 314.0 (Scope:All)
	67. Polychlorinated Biphenyls <i>See Appendix E for details</i>	USEPA 8082 A (Scope: All)
	68. Hydrogen Peroxide	APHA 4500 H2O2 B(Scope:All)
	69. Ferrous Iron	HACH 8146 (Scope: All)
	70. Silica Reactive	APHA 4500-SiO2 D (Scope: All)
	71. Active Oxygen Content	ASTM D2180-89 (Scope: All)
	72. Elements: Scandium by ICP-OES	APHA 3120B (Scope: All)
	73. Total Settleable Solids	APHA 2540F (Scope: All)
	74. Thiocyanate	APHA 4500CN M (Scope: All)
	75. Trihaloacetic Acid	USEPA 552.3 (Scope: All)
	76. Mercury by ICP-MS	APHA 3125 B/ USEPA 200.8 (Scope: All)
	77. UV 254	APHA 5910B by UV/Vis (Scope: All)
	78. Volatile Organic Acids by GCFID (Acetic Acid, Propionic Acid, Isobutyric Acid, Butyric Acid, Isovaleric Acid, Valeric Acid, Isocaproic Acid, Caproic Acid, Heptanoic Acid)	APHA 5560D (Scope: All)

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	79. Chlorine Dioxide	HACH 10126 (Scope: All)
	80. Semi volatile Organic Compounds - Dodecylbenzene	USEPA 3510 C/USEPA 8270 E (Scope: All)
	81. Solvents (1-Butanol, Butyl Acetate, Ethyl Acetate, diethylene glycol, ethylene glycol, isopropanol, methyl alcohol, ethanol, acetone)	USEPA 1671 A (Scope: All)
	82. Oxyhalides (Chlorate, Chlorite, Bromate)	USEPA 300.1
	83. Hexane Extractable Material (HEM) / Oil and Grease	USEPA 1664 B
	84. Formaldehyde	USEPA 8315 A
	85. Manganese 2+	HACH EZ2303
	86. OrganoTin (Tributyl Tin, Dibutyl Tin)	APHA 6710 B
	87. Chlorophyll A	APHA 10150 B
	88. Volatile Organic Compounds - Cyclopentanone	USEPA 8260D
	89. Organic Compounds – Dimethyl Acetamide	USEPA 1671 A
	90. Hydrocarbon Oil Index/ Mineral Oil	ISO9377-2:2000
	91. 2-Pyrrolidone-1-Methyl / N-Methyl-2-Pyrrolidone (NMP)	USEPA 3510 C/ USEPA 8270 E
	92. Iodide	NIOSH 6005
	93. Formate/ Formic Acid	NIOSH 2011

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B ENVIRONMENTAL ANALYSIS		
I ENVIRONMENTAL CHEMISTRY		
a) Soil, Sand, Mud, Sludge, Sediments	- Acid Soluble Chloride - Acid Soluble Sulphate - Hexavalent Chromium - Metals (As, Ba, Cd, Co, Cr, Cu, Pb, Mo, Ni, Sb, Zn, Se, Be, Te, Ag, Tl, Sn, V) - Mercury - Moisture - Organic Matter - pH - Volatile Organic Compounds (VOC) <i>See Appendix A for details</i> - Semi-Volatile Compounds (SVOC) <i>See Appendix B for details</i> - TPH (GRO) - TPH (DRO) / Mineral oil in Soil - Water Soluble Chloride - Water Soluble Sulphate - Bulk density by immersion in water method - Carbonate (Soil) by Titration - Thiocyanate	BS 1377-3:2018 + A1:2021 BS 1377-3:2018 + A1:2021 USEPA 3060A / HACH 8023 USEPA 3051 A/ USEPA 6010 D USEPA 3051 A / EMC-TP-3305 BS 1377-2:2022 BS 1377-3:2018 + A1:2021 BS 1377-3:2018 + A1:2021 USEPA 8260 D USEPA 3545 A/ USEPA 8270 E (Scope: All) USEPA 8015 D (Scope: All) USEPA 8015 D (Scope: All) BS 1377-3:2018 + A1:2021 BS 1377-3:2018 + A1:2021 BS 1377: 2: (Scope: All) :2022 BS 1377: 3: (Scope: All) 2018 + A1:2021 USEPA 9013 A/ APHA 4500CN M (Scope: All)

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b) Solid Waste Leachate	18. Cyanide (Total, Free, Complex)	USEPA 9013 A / APHA 4500CN B/C/E (Scope: All)
	19. Volatile Organic Acids by GCFID Acetic Acid, Propionic Acid, Isobutyric Acid, Butyric Acid, Isovaleric Acid, Valeric Acid, Isocaproic Acid, Caproic Acid, Heptanoic Acid)	APHA 5560D (Scope: All)
	20. Formaldehyde	USEPA 8315A
	21. Loss of Ignition / Percentage Incinerable Test	BS 1377-3: 2018/ In House 2018 + A1:2021
	1. Toxicity Characteristics Leaching Procedure	USEPA 1311 (1992)
	2. Cyanide	APHA 4500-CN-B/C/E
	3. Phenol	APHA 5530-B/C
	4. Mercury	FIMS_CVAAS USEPA 200.8/ APHA 3125 B
	5. Fluoride	APHA 4500 FC
	6. Metals – Ag, As, Ba, Cd, Cr, Cu, Fe Mn, Ni, Pb, Se, Zn	APHA 3120B

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II. INDUSTRIAL HYGIENE / AIR MONITORING	1. Elements (Aluminum, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Potassium, Lithium, Magnesium, Manganese, Molybdenum, Nickel, Antimony, Selenium, Strontium, Tin, Titanium, Vanadium, Zinc)	NIOSH 7303:2003
III. INDOOR AIR QUALITY	1. Formaldehyde	NIOSH 2016:-2016
<u>BIOLOGICAL FIELD</u>		
A WATER ANALYSIS		
II WATER MICROBIOLOGY	1. <i>Clostridium perfringens</i>	APHA Methods 24th Edition 2023 HPA NSM W5i3.1 (Scope: d, e)
a. Potable / Drinking Tap/ Mineral Water	2. <i>Escherichia Coli</i>	APHA 9222 B & H USEPA 1603 (Scope: All) ISO 9308-1 (Scope: e)
b. Swimming / Jacuzzi / Spa / Recreational / Other Pool Water	3. Enterococci / Intestinal Enterococci	USEPA 1600 (Scope: d,e)
	4. Fecal Coliform	APHA 9222 D (Scope: a,b,c,d,e)
c. Waste & Industrial Water / Sewage & Trade Effluent	5. Faecal Enterococcus/Streptococcus	APHA 9230C (Scope: All) ISO 7899-2 (Scope: e)
	6. Klebsiella	APHA 9222 F (Scope: All)
	7. Legionella & Legionella Pneumophila Analysis	ISO 11731: 2017
d. Catchment / River Well / Ground / Pond Spring Water		AS/NZS 3896 : 2017 (Scope: All except e & h)
e. Sea / Ballast Water	8. <i>Pseudomonas Aeruginosa</i> by Filtration Method	APHA 9213 E (Scope: All)
f. Water Feature Water	9. Plankton (Phyto-Plankton)	APHA 10200 F (Scope: All)

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g. Cooling/ Aircon Tower Water h. Boiler/ Chiller Water i. Processed Water: DI/ RO/ Ultrapure	10. <i>Plankton (Zoo-Plankton)</i>	APHA 10200 G (Scope: All)
	11. <i>Salmonella</i>	APHA 9274 (Scope: All)
	12. <i>Shigella</i>	APHA 9276 (Scope: All)
	13. <i>Staphylococcus Aureus</i>	APHA 9213 B (Scope: All)
	14. Total Colony Count / Plate Count	APHA 9215 B APHA 9215 B 22 nd ed (NEA) APHA 9215 C/D (Scope: All)
	15. Total Coliform	APHA 9222 B (Scope: All except g,h,i) ISO 9308-1 (Scope: e)
	16. Total Coliforms & <i>Escherichia coli</i> by Membrane Filtration Method	USEPA 10029 (Scope: a,b)
	17. <i>Vibrio Cholerae</i> / Toxicogenic <i>V. Cholerae</i> (01,0139)	APHA 9278 (Scope: d,e)
	18. Yeast & Molds	APHA 9610 D (Scope: All)
	19. Spores of Sulfite – Reducing Anaerobes	ISO 6461-2:1992
	20. <i>Escherichia Coli</i>	Modified APHA 9222 B & H
	21. ESBL – <i>Escherichia Coli</i>	Modified APHA 9222 B & H
	22. MRSA	Modified APHA 9213 B

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B. ENVIRONMENTAL & OTHERS	1. <i>Candida albicans</i>	USP 40 <62>
	2. Chemical & Antiseptics	BS EN 1040
	3. Detection & Quantification of SARS COVID using PCR	RT-PCR / Q-PCR
	4. Total Aerobic Microbial Count	USP 61
	5. Total Yeast and Mould Count	USP 61
	6. <i>Escherichia Coli</i>	USP 62
	7. <i>Salmonella sp.</i>	USP 62
	8. <i>Pseudomonas aeruginosa</i>	USP 62
	9. <i>Staphylococcus aureus</i>	USP 62
C. Industrial Hygiene/ Air Monitoring	1. Total Plate Count and Yeast & Mould in Passive Air Monitoring	Compendium of Methods for the Microbiological Examination of Foods, 5th ed (2015)
	2. Determination of Total Plate Count and Yeast & Mould via Active Air Monitoring	NIOSH 0800 (Outsourced Sampling)

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D. Environmental Swabs		
1. Surface	1. Total Plate Count (30c, 72h)	EMC-TP-13091 In-house method Total Plate Count (30°C, 72Hrs) based on CMMEF Chapter 3 (Dec 2013) and ISO 4833-1: 2013
	2. Total Place Count (35c, 48h)	EMC-TP-13092 In-house method Total Plate Count (35°C, 48Hrs) based on CMMEF Chapter 3 (Dec 2013) and FDA BAM Chapter 3 (Jan 2001)
	3. Total Yeast & Mould Count	EMC-TP-13093 In-house method Total Yeast & Mould Count based on CMMEF Chapter 3 (Dec 2013) and ISO 21527-1: 2008
	4. <i>Legionella</i> sp. Count	EMC-TP-13095 In-house method <i>Legionella</i> spp. Count based on CMMEF Chapter 3 (Dec 2013) and ISO 11731: 2017
	5. Total Coliform Count	EMC-TP-13083 In-house method Total Coliform Count based on CMMEF Chapter 3 (Dec 2013) and ISO 4832: 2006
	6. <i>Enterobacteriaceae</i> Count	EMC-TP-13087 In-house method <i>Enterobacteriaceae</i> Count based on CMMEF Chapter 3 (Dec 2013) and ISO 21528-2: 2017
	7. <i>Escherichia coli</i> Count	EMC-TP-13085 In-house method <i>Escherichia coli</i> Count based on CMMEF Chapter 3 (Dec 2013) and FDA BAM Chapter 4 (Oct 2020)

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	8. <i>Staphylococcus aureus</i> Count	EMC-TP-13090 In-house method <i>Staphylococcus aureus</i> Count based on CMMEF Chapter 3 (Dec 2013) and ISO 6888-1:2021
	9. <i>Salmonella</i> sp. Detection	EMC-TP-13089 In-house method <i>Salmonella</i> spp. Detection based on CMMEF Chapter 3 (Dec 2013) and ISO 6579-1: 2017
	10. <i>Pseudomonas aeruginosa</i> Count	EMC-TP-13088 In-house method <i>Pseudomonas aeruginosa</i> Count based on CMMEF Chapter 3 (Dec 2013) and USP 62
	11. <i>Listeria</i> sp. Detection	EMC-TP-13086 In-house method <i>Listeria</i> spp. Detection based on CMMEF Chapter 3 (Dec 2013) and ISO 11290-1: 2017
	12. <i>Cronobacter</i> sp. Detection	EMC-TP-13084 In-house method <i>Cronobacter</i> spp. Detection based on CMMEF Chapter 3 (Dec 2013) and ISO 22964: 2017
	13. <i>Yersinia enterocolitica</i> Count	EMC-TP-13096 In-house method <i>Yersinia enterocolitica</i> Count based on CMMEF Chapter 3 (Dec 2013) and ISO 10273: 2017
	14. <i>Escherichia Coli</i>	APHA 9222 B & H
	15. <i>Staphylococcus aureus</i>	APHA 9213 B
	16. <i>Klebsiella</i>	APHA 9222 F
	17. <i>Enterococcus</i>	APHA 9230 C
	18. <i>Pseudomonas aeruginosa</i>	APHA 9213 E

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Approved Signatory

1	Mr Nitya Shankaran Mogan	-	For All Microbiological tests
2	Ms Dhasnah V. Unnikrishnan	-	For All Microbiological tests
3	Ms. Nurul Amirah Mazlan	-	For All Microbiological tests
4	Ms. Shannon Wong	-	Only covers PCR and Covid related testing
5	Ms. Siti Nursyrafina Mohamed Fauzi	-	Only covers PCR and Covid related testing
6	Mr Licerio Oligo III	-	For All Chemistry tests
7	Ms Lea Bautista Gutierrez	-	For All Chemistry tests
8	Ms R. Meera Lakshmi	-	For All Chemistry tests
9	Mr. Andrew Siow Yong Yao	-	For All Chemistry tests
10	Ms. Badrisiah Balqees	-	For All Chemistry tests

Note:

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025. A laboratory's fulfilment of the requirements of ISO/IEC 17025 means the laboratory meets both the technical competence requirements and **management system requirements** that are necessary for it to consistently deliver technically valid test results. The **management system requirements** in ISO/IEC 17025 are written in language relevant to laboratory operations and operate generally in accordance with the principles of ISO 9001.

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Appendix A

Volatile Organic Compounds (USEPA 8260 D)

Compounds

Monocyclic Aromatics Benzene Toluene Ethylbenzene Xylene Styrene Oxygenated Compounds Cyclohexanone Furan Tetrahydrofuran Tetrahydrothiophene Methyl Ethyl Ketone (MEK) Methyl Isobutyl Ketone (MIBK) Turpentine Fumigants Dichloropropane 1,3-Dichloropropene (cis and trans) Halogenated Aromatics Benzene, 1,2,4-trimethyl- Dichlorobenzene Aliphatics Decane Hexane Heptane Isobutanol Nonane Octane Others Naphthalene	Trihalomethanes Trichloromethane/chloroform Chlorodibromomethane Dichlorobromomethane Tribromomethane Halogenated Aliphatics Chloroethane Acrylonitrile 1,1 Dichloroethane 1,1,1-Trichloroethane 1,1,2-Trichloroethane 1,1-Dichloroethene 1,2 Dichloroethane 1,2-Dichloroethene Carbon Tetrachloride Chlorobenzene Ethane, 1,1,1-trichloro- Ethane, 1,1,2-trichloro- Methylene chloride Tetrachloroethylene Tetrachloroethane. Trichloroethylene Vinyl Chloride 1,2 dibromoethane Cis 1,4 dichloro-2-butene Trans 1,4 dichloro-2-butene 1,2,3-trichloropropane 1,2-dibromo3-chloropropane Ethers Diethyl Ether Dimethyl Sulphide Isopropyl Ether Propane, 2-methoxy-2-methyl-/ methyl t-butyl ether (MTBE)
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Compounds

Anilines and Benzdines	Phthalate Esters
Aniline	Dimethyl phthalate
Nitroaniline	Diethyl phthalate
Chloroaniline	Dibutyl phthalate
	Benzylbutyl phthalate
	Bis-(2-ethylhexyl) phthalate
Chlorinated Hydrocarbons	Di n-octyl phthalate
Trichlorobenzene	Diisobutyl phthalate
Tetrachlorobenzene	Dihexyl phthalate
Pentachlorobenzene	
Hexachlorobenzene	
Chloronaphththalene	Nitroaromatics and Ketones
Hexachlorobutadiene	Dinitrotoluene
Polychlorobiphenyls	Azobenzene
Hexachloroethane	Isophorone
Hexachloropentadiene	Nitrobenzene
Haloethers	Phenols
4-chlorodiphenyl ether	Phenol
Bis (2-chloroethyl) ether	Monochlorophenol
Bis (2-chlororoethoxy) methane	Dichlorophenol
Bis (2-chloroisopropyl) ether	Trichlorophenol
4-bromophenyl ether	Tetrachlorophenol
Nitroamines	Pentachlorophenol
N-Nitrosodimethylamine	Cresol
	Catechol
N-Nitrosodi-n-propylamine	(o-dihydroxybenzene)
	Resorcinol
N-Nitrosodihenylamine	(m-dihydroxybenzene)
	Hydroquinone
	(p-dihydroxybenzene)
	Nitrophenol
	Dinitro-o-cresol
	2,4-dimethylphenol
	4-chloro-3-methylphenol
	2,4-dinitrophenol
Pyridine	

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Others

Dodecylbenzene
Dibenzofuran

Polynuclear Aromatics / Polycyclic Aromatic Hydrocarbons (PAHs)

Acenaphthene
Acenaphthylene
Anthracene
Benzo (a) anthracene
Benzo (a) pyrene
Benzo (b) fluoranthene
Benzo (g,h,i) perylene
Benzo (k) fluoranthene
Chrysene
Dibenzo (a,h) anthracene
Fluoranthene
Fluorene
Indeno (1,2,3-cd) pyrene
Naphthalene
Phenanthrene
Pyrene

Pesticides

Aldrin
Dieldrin
Endrin
a-HCH
b-HCH
g-HCH
Atrazine
Carbaryl
Carbofuran
Chlordane
Endosulfan
Heptachlor
Heptachlor-epoxide
Dichlorodiphenyltrichloroethane (DDT)
Dichlorodiphenyldichloroethane (DDD)
Dichlorodiphenyldichloroethylene (DDE)

Appendix C

Metals by ICP MS (USEPA 200.8/ APHA 3125 B)

Elements

Silver (Ag)	Manganese (Mn)
Aluminium (Al)	Molybdenum (Mo)
Arsenic (As)	Sodium (Na)
Gold (Au)	Nickel (Ni)
Boron (B)	Phosphorus (P)
Barium (Ba)	Lead (Pb)
Beryllium (Be)	Antimony (Sb)
Bismuth (Bi)	Selenium (Se)
Calcium (Ca)	Silicon (Si)
Cadmium (Cd)	Tin (Sn)
Cobalt (Co)	Strontium (Sr)
Chromium (Cr)	Tantalum (Ta)

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Copper (Cu)	Tellurium (Te)
Iron (Fe)	Titanium (Ti)
Potassium (K)	Thallium (Tl)
Lanthanum (La)	Uranium (U)
Lithium (Li)	Vanadium (V)
Magnesium (Mg)	Zinc (Zn)

Appendix D

Organochlorine Pesticides (USEPA 8081 B)

Test Parameter

Aldrin	Endosulfan II
α BHC	Endosulfan sulfate
β BHC	Endrin
γ BHC	Endrin aldehyde
σ BHC	Endrin Ketone
cis chlordane	Heptachlor
trans chlordane	Heptachlor epoxide
chlorobenzilate	Hexachlorobenzene
1,2-dibromo-3-chloropropane	Hexachlorocyclopentadiene
4,4'-DDD	Isodrin
4,4'-DDE	Methoxychlor
4,4'-DDT	Toxaphene
Diallate	Mirex
Dieldrin	Permethrin
Endosulfan I	Trifuralin

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Appendix E

Polychlorinated Biphenyls (USEPA 8082 A)

Test Parameter

Arochlor 1016	2,3',4,4'- Tetrachlorobiphenyl
Arochlor 1221	2,2',3,4,5' -Pentachlorobiphenyl
Arochlor 1232	2,3,3',4',6- Pentrachlorobiphenyl
Arochlor 1242	2,2',4,5,5' - Pentrachlorobiphenyl
Arochlor 1248	2,2',4,5,5'-Pentrachlorobiphenyl
Arochlor 1254	2,2',3,4,4',5'- Hexachlorobiphenyl
Arochlor 1260	2,2',3,4,5,5'- Hexachlorobiphenyl
2- Chlrobiphenyl	2,2',3,5,5',6- Hexachlorobiphenyl
2,3- Dichlorobiphenyl	2,2',4,4',5,5'- Hexachlorobiphenyl
2,2',5- Trichlorobiphenyl	2,2',3,3',4,4',5- Heptachlorobiphenyl
2,4',5- Trichlorobiphenyl	2,2',3,4,4',5,5'- Heptachlorobiphenyl
2,2',3,5'- Tetrachlorobiphenyl	2,2',3,4',5,5',6- Heptachlorobiphenyl
2,2',5,5'- Tetrachlorobiphenyl	2,2',3,4,4',5',6- Heptachlorobiphenyl
	2,2',3,3',4,4',5,5',6- Nonachlorobiphenyl