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CERTIFICATE OF ACCREDITATION

bbThis is to attest that

CENTRO DE ECOLOGÍA APLICADA S.A.

LABORATORIO AMBIENTAL
LOS HILANDEROS 8733, LA REINA
SANTIAGO, 7880031, CHILE

Testing Laboratory TL-1006

has met the requirements of AC89, *IAS Accreditation Criteria for Testing Laboratories*, and has demonstrated compliance with ISO/IEC Standard 17025:2017, *General requirements for the competence of testing and calibration laboratories*. This organization is accredited to provide the services specified in the scope of accreditation.

Expiry Date January 1, 2026
Effective Date February 12, 2025



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Accredited to ISO/IEC 17025:2017

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Chemistry/Microbiology	
APHA/AWWA/WEF. 24 th Edition, 2023. Method 2120 B Visual Comparison Method.	True and Apparent Color in Surface water, Groundwater and Seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes
APHA/AWWA/WEF. 24 th Edition, 2023. Method 2120 C.	True and Apparent Color in Surface water, Groundwater and Seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes.
APHA/AWWA/WEF. 24 th Edition, 2023. Method 2130. B.	Turbidity in Surface water, Groundwater, and Seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes.
APHA/AWWA/WEF. 24 th Edition, 2023. Method 2310 B.	Acidity in Surface water, Groundwater and Seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes.
APHA/AWWA/WEF. 24 th Edition, 2023. Method 2320 B.	Hydroxides in Surface water, Groundwater and Seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes.
APHA/AWWA/WEF. 24 th Edition, 2023. Method 2320. B.	Alkalinity, Bicarbonate and Carbonate in Surface water, Groundwater, and Seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes.
APHA/AWWA/WEF. 24 th Edition, 2023. Method 2330 B	Saturation Index (Langelier) and Ryznar Index in Surface water, Groundwater, and Seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes.
APHA/AWWA/WEF. 24 th Edition, 2023. Method 2340 B Hardness by Calculation.	Hardness in Surface water, Groundwater and Seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes.
APHA/AWWA/WEF. 24 th Edition, 2023. Method 2340 C. EDTA Titrimetric Method.	Hardness in Surface water, Groundwater and Seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes.
APHA/AWWA/WEF. 24 th Edition, 2023. Method 2510. B.	Conductivity in surface water, groundwater and seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes.
APHA/AWWA/WEF. 24 th Edition, 2023. Method 2540 B.	Total solids in Surface water, Groundwater and Seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes.

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APHA/AWWA/WEF. 24 th Edition, 2023. Method 2540 C.	Total dissolved solids in Surface water, Groundwater and Seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes.
APHA/AWWA/WEF. 24 th Edition, 2023. Method 2540. D.	Total suspended solids in Surface water, Groundwater, and Seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes.
APHA/AWWA/WEF. 24 th Edition, 2023. Method 2540 E.	Fixed and volatile solids in Surface water, Groundwater and Seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes.
APHA/AWWA/WEF. 24 th Edition, 2023. Method 2540 F.	Settleable solids in Surface water, Groundwater and Seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes.
APHA/AWWA/WEF. 24 th Edition, 2023. Method 2550. B.	Temperature in Surface water, Groundwater, and Seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes.
APHA/AWWA/WEF. 24 th Edition, 2023. Method 3030. B. Filtration for Dissolved and Suspended Metals. Preliminary Treatment of Samples; Method 3120. B. Inductively Coupled Plasma (ICP) Method. Metals by Plasma Emission Spectroscopy	Dissolved aluminum, Dissolved antimony, Dissolved arsenic, Dissolved barium, Dissolved beryllium, Dissolved bismuth, Dissolved boron, Dissolved cadmium, Dissolved calcium, Dissolved zinc, Dissolved cobalt, Dissolved copper, Dissolved chromium, Dissolved gold, Dissolved tin, Dissolved strontium, Dissolved iron, Dissolved Lithium, Dissolved magnesium, Dissolved manganese, Dissolved molybdenum, Dissolved nickel, Dissolved lead, Dissolved potassium, Dissolved selenium, , Dissolved silica, Dissolved silicon, Dissolved silver, Dissolved sodium, Dissolved thallium, Dissolved titanium, Dissolved vanadium, Dissolved sulfur, Dissolved phosphorus, Dissolved uranium in Surface water, Groundwater and Seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes.
APHA/AWWA/WEF. 24 th Edition, 2023. 3030. K. Microwave-Assisted Digestion. Preliminary Treatment of Samples; Method 3120. B. Inductively Coupled Plasma (ICP) Method. Metals by Plasma Emission Spectroscopy	Total aluminum, Total antimony, Total arsenic, Total barium, Total beryllium, Total bismuth, Total boron, Total cadmium, Total calcium, Total zinc, Total cobalt, Total copper, Total chromium, Total gold, Total tin, Total strontium, , Total iron, Total lithium, Total magnesium, Total manganese, Total molybdenum, Total nickel, Total lead, Total potassium, Total selenium, Total silica, Total silicon, Total silver, Total sodium, Total thallium, Total titanium, Total vanadium, Total sulfur, Total phosphorus, Total uranium in Surface water, Groundwater and Seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes.
APHA/AWWA/WEF. 24 th Edition, 2023. Method 3112 B	Total Mercury in Surface water, Groundwater, and Seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes.
APHA/AWWA/WEF. 24 th Edition, 2023. Method 3112 B Method 3030 B	Dissolved Mercury in Surface water, Groundwater, and Seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes.
APHA/AWWA/WEF. 24 th Edition, 2023. Method 3500-Cr B.	Hexavalent chromium in Surface water, Groundwater and Seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes.

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APHA/AWWA/WEF. 24 th Edition, 2023. Method 3500-Fe. B	Ferric Iron and Ferrous Iron in Surface water, Groundwater, and Seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes.
APHA/AWWA/WEF. 24 th Edition, 2023. Method 4500-Cl-. B.	Chloride in Surface water, Groundwater, and Seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes.
APHA/AWWA/WEF. 24 th Edition, 2023. Method 4500-CN F. APHA/AWWA/WEF. 24 th Edition, 2023. Method 4500-CN C.	Total Cyanide in Surface water, Groundwater, and Seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes
APHA/AWWA/WEF. 24 th Edition, 2023. Method 4500-CN F.	Free Cyanide in Surface water, Groundwater, and Seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes
APHA/AWWA/WEF. 24 th Edition, 2023. Method 4500-CN F. APHA/AWWA/WEF. 24 th Edition, 2023. Method 4500-CN I.	WAD Cyanide in Surface water, Groundwater, and Seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes
APHA/AWWA/WEF. 24 th Edition, 2023. Method 4500-H+. B.	pH in Surface water, Groundwater and Seawater., drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes.
APHA/AWWA/WEF. 24 th Edition, 2023. Method 4500-NH3. B. Preliminary Distillation Step. NH3 Nitrogen (Ammonia) & APHA/AWWA/WEF. 24 th Edition, 2023. Method 4500-NH3. D.	Ammonia Nitrogen (ammonia), Ammonia in Surface water, Groundwater, and Seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes.
APHA/AWWA/WEF. 24 th Edition, 2023. Method 4500-NO3-. B.	Nitrate (NO3) and Nitrate Nitrogen (N-NO3) in Surface water, Groundwater, and Seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes.
APHA/AWWA/WEF. 24 th Edition, 2023. Method 4500-O. G.	Dissolved oxygen in Surface water, Groundwater, and Seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes.
APHA/AWWA/WEF. 24 th Edition, 2023. Method 4500-P B C	Total phosphorus in Surface water, Groundwater, and Seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes.
APHA/AWWA/WEF. 24 th Edition, 2023. Method 4500-P B E	Total phosphorus in Surface water, Groundwater, and Seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes.
APHA/AWWA/WEF. 24 th Edition, 2023. Method 4500-P. C.	Phosphate (Phosphorus in Orthophosphate) in Surface water, Groundwater, and Seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes.

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APHA/AWWA/WEF. 24 th Edition, 2023. Method 4500-P. E.	Phosphate (Phosphorus in Orthophosphate) in Surface water, Groundwater, and Seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes.
APHA/AWWA/WEF. 24 th Edition, 2023. Method 4500-SO42-. C.	Sulfate in Surface water, Groundwater, and Seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes.
APHA/AWWA/WEF. 24 th Edition, 2023. Method 4500-SO42-. D.	Sulfate in Surface water, Groundwater, and Seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes.
APHA/AWWA/WEF. 24 th Edition, 2023. Method 5210. B.	BOD5 in Surface water, Groundwater, and Seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes.
APHA/AWWA/WEF. 24 th Edition, 2023. Method 5220. D.	Determination of chemical oxygen demand (DQO) in Surface water, Groundwater, and Seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes.
APHA/AWWA/WEF. 24 th Edition, 2023. Method 5310. B.	Total Organic Carbon, Total Inorganic Carbon and Total Carbon in Surface water, Groundwater, and Seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes.
APHA/AWWA/WEF. 24 th Edition, 2023. Method 5520. B.	Oil and grease in Surface water, Groundwater, and Seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes.
APHA/AWWA/WEF. 24 th Edition, 2023. Method 5520. D.	Oil and grease in Surface water, Groundwater, and Seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes.
APHA/AWWA/WEF. 24 th Edition, 2023. Method 5520. F.	Fixed hydrocarbons in Surface water, Groundwater, and Seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes.
APHA/AWWA/WEF. 24 th Edition, 2023. Method 5540 B and C.	Anionic Surfactants (SAAM) in Surface water, Groundwater and Seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes.
APHA/AWWA/WEF. 24 th Edition, 2023. Method 5540 C.	Anionic Surfactants (SAAM) in Surface water, Groundwater and Seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes.
APHA/AWWA/WEF. 24 th Edition, 2023. Method 6232 B Liquid-Liquid Extraction Gas Chromatographic Method. Trihalomethanes and Chlorinated Organic Solvents	Bromodichloromethane (Dichlorobromomethane), Dibromochloromethane, Tetrachloroethene (Tetrachloroethylene), Tribromomethane (Bromoform), Trichloromethane (Chloroform), Sum of Trihalomethane in surface water, groundwater, seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes
APHA/AWWA/WEF. 24 th Edition, 2023. Method 6640 B. Micro Liquid-Liquid Extraction GC Method. Acidic Herbicide Compounds	2,4 - D (2,4-dichlorophenoxyacetic acid), Pentachlorophenol in surface water, groundwater, seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes

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APHA/AWWA/WEF. 24 th Edition, 2023. Method 9222 B.	Total Coliform in Surface water, Groundwater, and Seawater, drinking water, bottled water, supply water, food/beverage water, water for dairy products, swimming pool water, catchment sources, wastewater, water for industrial purposes.
APHA/AWWA/WEF. 24 th Edition, 2023. Method 9222 D.	Fecal Coliform in Surface water, Groundwater, and Seawater, drinking water, bottled water, supply water, food/beverage water, water for dairy products, swimming pool water, catchment sources, wastewater, water for industrial purposes, Aquatic sediments (river, estuary), Lake sediments, Marine sediments, sludge and biosolids samples.
APHA/AWWA/WEF. 24 th Edition, 2023. Method 9223 B.	Total Coliforms and Escherichia coli in Surface water, Groundwater, and Seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes.
APHA/AWWA/WEF. 24 th Edition, 2023. Method 9223 B Detection of Total Coliforms and E. coli by the Defined Enzyme Assay (DEFT).	Fecal coliforms in surface water, groundwater, seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes
APHA/AWWA/WEF. 24 th Edition, 2023. Method 10150 B. Spectrophotometric Determination of Chlorophyll.	Chlorophyll a, b and c in Surface water, Groundwater and Seawater, sources catchment and water for industrial purposes
APHA/AWWA/WEF. 24 th Edition, 2023. Method 10150 B. Method 10300 C7.	Chlorophyll a, b and c in Periphyton Surface water, Groundwater and Seawater, sources catchment and water for industrial purposes
APHA/AWWA/WEF. 24 th Edition, 2023. Method 10150 C Fluorometric Determination of Chlorophyll.	Chlorophyll a in Surface water, Groundwater and Seawater, sources catchment and water for industrial purposes
APHA/AWWA/WEF. 24 th Edition, 2023. Method 10150 C. Method 10300 C7.	Chlorophyll a in Periphyton in Surface water, Groundwater and Seawater.
DI-202 version 12 based in 4500-SO42-. E. SM - APHA/AWWA/WEF.	Sulfate in Surface water, Groundwater, and Seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes.
DI-204 version 1, based on AQ2 Method. EPA 127-A Rev 8.0 and APHA/AWWA/WEF. Method 4500-N- C.	Total Nitrogen in Surface water, Groundwater and Seawater.
DI-205 version 2, based on APHA/AWWA/WEF. Method 4500-N- C.	Total Nitrogen in Surface water, Groundwater and Seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes.
DI-207 version 9 based in 4500-NO2-. B. SM - APHA/AWWA/WEF.	Nitrite (NO ₂) and Nitrite Nitrogen (N-NO ₂) in Surface water, Groundwater, and Seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes.

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DI-208 version 8 based in Method in Continental Water Ecology. Uruguay Institute of Biology, 1999, Edited by Rafael Arocena and Daniel Conde. Sodium salicylate method	Nitrate (NO ₃) and Nitrate Nitrogen (N-NO ₃) in Surface water, Groundwater, and Seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes.
DI-209 version 12 based in 4500-NH ₃ . F. SM – APHA/AWWA/WEF.	Ammonia Nitrogen (ammonia) Ammonia Surface water, Groundwater, and Seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes.
DI-209 version 12 based in 4500-NH ₃ . F. SM – APHA/AWWA/WEF.	Ammonium in Surface water, Groundwater, and Seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes.
DI-210 version 1, based on SMWW 4500-P C, 4500 P-E.	Phosphate, Phosphorus in Orthophosphate, in Surface water, Groundwater, and Seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes.
DI-211 version 2, based in INIA 2006 Analysis Method recommended for Chile soils	Chloride in Aquatic sediments (river, estuary), Lake sediments, Marine sediments and Soils.
DI-212 version 2, Total and Dissolved Metals by Inductively Coupled Plasma Mass Spectrometry (ICP-MS).	Total aluminum, Dissolved aluminum, Total antimony, Dissolved antimony, Total arsenic, Dissolved arsenic, Total barium, Dissolved barium, Total beryllium, Dissolved beryllium, Total bismuth, Dissolved bismuth, Total boron, Dissolved Boron, Total cadmium, Dissolved cadmium, Total calcium, Dissolved calcium, Total zinc, Dissolved zinc, Total cobalt, Dissolved cobalt, Total copper, Dissolved copper, Total chromium, Dissolved chromium, Total tin, Dissolved tin, Total strontium, Dissolved strontium, Total Gold, Dissolved gold, Total iron, Dissolved iron, Total lithium, Dissolved Lithium, Total magnesium, Dissolved magnesium, Total manganese, Dissolved manganese, Total mercury, Dissolved mercury, Total molybdenum, Dissolved molybdenum, Total nickel, Dissolved nickel, Total lead, Dissolved lead, Total potassium, Dissolved potassium, Total selenium, Dissolved selenium, Total silica, Dissolved silica, Total silicon, Dissolved silicon, Total silver, Dissolved silver, Total sodium, Dissolved sodium, Total thallium, Dissolved thallium, Total titanium, Dissolved titanium, Total uranium, Dissolved uranium, Total vanadium, Dissolved vanadium, Total sulfur, Dissolved sulfur, Total phosphorus, Dissolved phosphorus, Dissolved Cesium, Total Cesium, Dissolved Cerium, Total Cerium, Dissolved Scandium, Total Scandium, Dissolved Gallium, Total Gallium, Dissolved Germanium, Total Germanium, Dissolved holmium, Total Holmium, Dissolved Indium, Total Indium, Dissolved Lanthanum, Total Lanthanum, Dissolved Rubidium, Total Rubidium, Dissolved Tellurium, Total Tellurium, Dissolved Thorium, Total Thorium, Dissolved Wolfranium, Total Wolfranium, Dissolved yttrium, Total yttrium, Dissolved Proseodymium, Total Proseodymium, Dissolved Neodymium, Total Neodymium, Dissolved Samarium, Total Samarium, Dissolved Europium, Total Europium, Dissolved Gadolinium, Total Gadolinium, Dissolved Terbium, Total Terbium, Dissolved Dysprosium, Total Dysprosium, Dissolved Erbium, Total Erbium, Dissolved Thulium, Total Thulium, Dissolved Ytterbium, Total Ytterbium, Dissolved lutetium, Total lutetium

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DI-212 version 2, Total and Dissolved Metals by Inductively Coupled Plasma Mass Spectrometry (ICP-MS). (cont'd).	Dissolved zirconium and Total zirconium in Surface water, Groundwater and Seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes.
DI-219 version 2, based on Zagal E., Sadzawka A. 2007. Protocol of Analysis Methods for soils and sludge.	Organic matter in Aquatic sediments (river, estuary), Lake sediments, Marine sediments and Soils.
DI-225 version 1, based on Agricultural Research Institute. 2006. Recommended Analysis Methods for Soils in Chile.	Conductivity of Aquatic sediments (river, estuary), Lake sediments, Marine sediments and Soils.
DI-230 version 2, based on EPA 340.3 and APHA/AWWA/WEF. Method 4500-F E.	Fluoride in Surface water, Groundwater and Seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes.
DI-231 version 1. Calculation. Agricultural Research Institute. 2006. Methods of Water Analysis for Irrigation. INIA. Minutes Series No. 37.	Sodium adsorption ratio (RAS) in Surface water, Groundwater and Seawater.
DI-232 version 1. Calculation. Based on Agricultural Research Institute. 2006. Methods of Water Analysis for Irrigation. INIA Minutes Series No. 37.	Percentage sodium in Surface water, Groundwater and Seawater.
DI-234 version 1, based on AQ2 Method. EPA 370.1 Rev 2.0 (1993) and APHA/AWWA/WEF. Method 4500-SiO ₂ D.	Silica in Surface water, Groundwater and Seawater.
DI-239 version 2, based on AQ2 Method. EPA 111-A. Rev 8.0 and Method EPA 351.2 Rev. 2.0.	Total nitrogen kjeldahl in Surface water, Groundwater and Seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes.
DI-240 version 1, based on AQ2 Method. EPA 111-A. Rev 8.	Total nitrogen kjeldahl in Surface water, Groundwater and Seawater.
DI-243 version 2, based on APHA/AWWA/WEF. Method 4500-D SiO ₂ .	Silica in Surface water, Groundwater and Seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes.
DI-244 version 1, based on Agricultural Research Institute. 2006. Recommended Analysis Methods for Soils in Chile. Potentiometry	pH in Aquatic sediments (river, estuary), Lake sediments, Marine sediments and Soils.

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DI-251 version 2, based on AQ2 method SEAL. EPA 127-A Rev 8.0.	Total Oxidized Nitrogen (TON) in Surface water, Groundwater, Seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes
DI-252 version 2, Calculation based-on APHA/AWWA/WEF. Method 4500-N A.	Total Oxidized Nitrogen (TON) in Surface water, Groundwater and Seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes.
DI-253 version 3, based on measuring equipment manuals.	Salinity, Oxygen saturation in Surface water, Groundwater and Seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes.
DI-254 version 2. Calculation, based on APHA/AWWA/WEF. Method 4500-N A.	Total organic nitrogen in Surface water, Groundwater, Seawater and drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes.
DI-256 Version 1, based on Agricultural Research Institute. 2006. Recommended Analysis Methods for Soils in Chile.	Moisture (Water content) in Aquatic sediments (river, estuary), Lake sediments, Marine sediments and Soils.
DI-257 version 1, based on APHA/AWWA/WEF. Method 4500-N-C.	Total Nitrogen in Aquatic sediments (river, estuary), Lake sediments, Marine sediments and Soils.
DI-259 version 2, Total and Dissolved Metals by Plasma Emission (ICP).	Total aluminum, Dissolved aluminum, Total antimony, Dissolved antimony, Total arsenic, Dissolved arsenic, Total barium, Dissolved barium, Total beryllium, Dissolved beryllium, Total bismuth, Dissolved bismuth, Total boron, Dissolved boron, Total cadmium, Dissolved cadmium, Total calcium, Dissolved calcium, Total zinc, Dissolved zinc, Total cobalt, Dissolved cobalt, Total copper, Dissolved copper, Total chromium, Dissolved chromium, Total gold, Dissolved gold, Total tin, Dissolved tin, Total strontium, Dissolved strontium, Total iron, Dissolved iron, Total lithium, Dissolved Lithium, Total magnesium, Dissolved magnesium, Total manganese, Dissolved manganese, Total molybdenum, Dissolved molybdenum, Total nickel, Dissolved nickel, Total lead, Dissolved lead, Total potassium, Dissolved potassium, Total selenium, Dissolved selenium, Total silica, Dissolved silica, Total silicon, Dissolved silicon, Total silver, Dissolved silver, Total sodium, Dissolved sodium, Total thallium, Dissolved thallium, Total titanium, Dissolved titanium, Total vanadium, Dissolved vanadium, Total sulfur, Dissolved sulfur, Total phosphorus, Dissolved phosphorus, Total uranium, Dissolved uranium in Surface water, Groundwater and Seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes.
DI-260 version 2, Metals in Sediments, Soil and Biological Tissues by Plasma Emission (ICP).	Total aluminum, Total antimony, Total arsenic, Total barium, Total beryllium, Total bismuth, Total boron, Total cadmium, Total calcium, Total zinc, Total cobalt, Total copper, Total chromium, Total gold, Total tin, Total strontium, Total iron, Total lithium, Total magnesium, Total manganese, Total molybdenum, Total nickel, Total lead, Total potassium, Total selenium, Total silica, Total silicon, Total silver, Total sodium, Total thallium, Total titanium, Total vanadium, Total uranium, Total sulfur, Total phosphorus in Aquatic sediments (river, estuary), Lake sediments, Marine sediments, and Soils



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DI-260 version 2, Metals in Sediments, Soil and Biological Tissues by Plasma Emission (ICP).	Aluminum, Antimony, Arsenic, Barium, Beryllium, Bismuth, Boron, Cadmium, Calcium, Zinc, Cobalt, Copper, Chromium, Tin, Strontium, Iron, Lithium, Magnesium, Manganese, Molybdenum, Nickel, Lead, Potassium, Selenium, Silica, Silicon, Silver, Sodium, Thallium, Titanium, Vanadium, Uranium, Sulfur, Phosphorus in Biological tissues.
DI-260 version 2, Metals in Sediments, Soil and Biological Tissues by Plasma Emission (ICP).	Removable aluminum, Removable antimony, Removable arsenic, Removable barium, Removable beryllium, Removable bismuth, Removable boron, Removable cadmium, Removable calcium, Removable zinc, Removable cobalt, Removable copper, Removable chromium, Removable tin, Removable strontium, Removable gold, Removable iron, Removable lithium, Removable magnesium, Removable manganese, Removable molybdenum, Removable nickel, Removable lead, Removable potassium, Removable silica, Removable selenium, Removable silicon, Removable silver, Removable sodium, Removable thallium, Removable titanium, Removable vanadium, Removable uranium, Removable sulfur, Removable phosphorus in Aquatic sediments (river, estuary), Lake sediments, Marine sediments, and Soils
DI-262 version 1, Total and Dissolved Metals by Inductively Coupled Plasma Mass Spectrometry and SEAFast System (ICP-MS/SEAFast).	Total aluminum, Dissolved aluminum, Total antimony, Dissolved antimony, Total arsenic, Dissolved arsenic, Total barium, Dissolved barium, Total beryllium, Dissolved beryllium, Total bismuth, Dissolved bismuth, Total boron, Dissolved Boron, Total cadmium, Dissolved cadmium, Total calcium, Dissolved calcium, Total zinc, Dissolved zinc, Total cobalt, Dissolved cobalt, Total copper, Dissolved copper, Total chromium, Dissolved chromium, Total tin, Dissolved tin, Total strontium, Dissolved strontium, Total iron, Dissolved iron, Total lithium, Dissolved lithium, Total magnesium, Dissolved magnesium, Total manganese, Dissolved manganese, Total mercury, Dissolved mercury, Total molybdenum, Dissolved molybdenum, Total nickel, Dissolved nickel, Total lead, Dissolved lead, Total potassium, Dissolved potassium, Total selenium, Dissolved selenium, Total silicon, Dissolved silicon, Total silver, Dissolved silver, Total sodium, Dissolved sodium, Total thallium, Dissolved thallium, Total titanium, Dissolved titanium, Total vanadium, Dissolved vanadium, Total sulfur, Dissolved sulfur, Total phosphorus, Dissolved phosphorus in Surface water, Groundwater and Seawater.
DI-263 version 2 Metals in Sediments, Soils and Biological Tissues by Mass Spectrometry with Inductively Coupled Plasma (ICP-MS).	Total aluminum, Total antimony, Total arsenic, Total barium, Total beryllium, Total bismuth, Total boron, Total cadmium, Total calcium, Total zinc, Total cobalt, Total copper, Total chromium, Total tin, Total strontium, Total iron, Total lithium, Total magnesium, Total manganese, Total mercury, Total molybdenum, Total nickel, Total lead, Total potassium, Total selenium, Total silica, Total silicon, Total silver, Total sodium, Total thallium, Total titanium, Total vanadium, Total uranium, Total sulfur, Total phosphorus Total Cesium, Total Cerium, Total Scandium, Total Gallium, Total Germanium, Total Holmium, Total Indium, Total Lanthanum, Total Rubidium, Total Tellurium, Total Thorium, Total Wolframium, Total yttrium, Total Proseodymium, Total Neodymium, Total Samarium, Total Europium, Total Gadolinium, Total Terbium, Total Dysprosium, Total Erbium, Total Thulium, Total Ytterbium, Total lutetium and Total zirconium in Aquatic sediments (river, estuary), Lake sediments, Marine sediments, and Soils.

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DI-263 version 2 Metals in Sediments, Soils and Biological Tissues by Mass Spectrometry with Inductively Coupled Plasma (ICP-MS).	Removable aluminum, Removable antimony, Removable arsenic, Removable barium, Removable beryllium, Removable bismuth, Removable boron, Removable cadmium, Removable calcium, Removable zinc, Removable cobalt, Removable copper, Removable chromium, Removable tin, Removable strontium, Removable iron, Removable lithium, Removable magnesium, Removable manganese, Removable mercury, Removable molybdenum, Removable nickel, Removable lead, Removable potassium, Removable selenium, Removable silica, Removable silicon, Removable silver, Removable sodium, Removable thallium, Removable titanium, Removable vanadium, Removable sulfur, Removable uranium, Removable phosphorus Removable Cesium, Removable Cerium, Removable Scandium, Removable Gallium, Removable Germanium, Removable Holmium, Removable Indium, Removable Lanthanum, Removable Rubidium, Removable Tellurium, Removable Thorium, Removable Wolframium, Removable yttrium, Removable Proseodymium, Removable Neodymium, Removable Samarium, Removable Europium, Removable Gadolinium, Removable Terbium, Removable Dysprosium, Removable Erbium, Removable Thulium, Removable Ytterbium, Removable lutetium and Removable zirconium in Aquatic sediments (river, estuary), Lake sediments, Marine sediments, and Soils.
DI-263 version 2 Metals in Sediments, Soils and Biological Tissues by Mass Spectrometry with Inductively Coupled Plasma (ICP-MS).	Aluminum, Antimony, Arsenic, Barium, Beryllium, Bismuth, Boron, Cadmium, Calcium, Zinc, Cobalt, Copper, Chromium, Tin, Strontium, Iron, Lithium, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Lead, Potassium, Selenium, Silica, Silicon, Silver, Sodium, Thallium, Titanium, Vanadium, Uranium, Sulfur, Phosphorus in Biological tissues, plant and animal tissue
DI-266 version 1 based in SMWW 5530. C, 5530 D and 5530 B	Phenols (phenolic compounds, phenol index) in Surface water, Groundwater and Seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes.
DI-267 version 1, based on AQ2 Method. EPA 137-A Rev 4.0	Nitrite in Surface water, Groundwater and Seawater.
DI-268 version 1 Based in EPA 7471 B.	Mercury in aquatic sediments (river, estuary), Lake sediments, Marine sediments and Soils, bottom deposits and sludge
DI-271 version 1, based on INIA 2006 Analysis method recommended for Chile soils. APHA/AWWA/WEF. Method 2320 B. Cenma 2010. Analysis of the physicochemical composition of fluvial sediments and its relationship with the availability of metals in water	Bicarbonate and Carbonate in Aquatic sediments (river, estuary), Lake sediments, Marine sediments and Soils.
DI-272 version 1, based in 4500-SO42-. E. Turbidimetric Method with Ignition of Residue. SO42- Sulfate. APHA/AWWA/WEF.	Sulfate in Soils.

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DI-277 version 1 Calculation based on SMWW 4500-N A	Total Nitrogen in Surface water, Groundwater and Seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes.
DI-278 version 01 Acid generation potential test	ABA (Acid Generation Potential) test in soils, mining waste, hazardous solid waste, sediments
DI-279 version 01 NAG (Net Acid Generation) Test	NAG (Net Acid Generation) test in soils, mining waste, hazardous solid waste, sediments
DI-287 version 2. Granulometry.	Granulometry in Aquatic sediments (river, estuary), Lake sediments, Marine sediments and Soils.
DI-290 version 1 based on EPA 3540 C	Oil and grease, Fixed hydrocarbons in aquatic sediments (river, estuary), Lake sediments, Marine sediments and Soils.
DI-291 version 1 based on SMWW 5310. B.	Total Organic Carbon, Total Inorganic Carbon and Total Carbon in aquatic sediments (river, estuary), Lake sediments, Marine sediments and Soils.
DI-292 version 2 based on SMWW 4110 B, EPA 300	Bromide, fluoride, chloride, nitrite, nitrite nitrogen, nitrate, nitrate nitrogen, phosphate, Phosphorus in orthophosphate, and sulfate in Surface water, Groundwater, and Seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes, solids, (aquatic sediments [river, estuary], Lake sediments, Marine sediments, Soils, solid industrial waste [RISES] and solid waste), soil extracts and leachates.
DI-293 version 1 based on ISO 9562:2004	AOX in Surface water, Groundwater, and Seawater, drinking water, source of drinking water, sources catchment, wastewater, water for industrial purposes. aquatic sediments (river, estuary), Lake sediments, Marine sediments, Biological tissues, aquatic biota, and Soils.
DI-294 version 1 based on SMWW 4500-S2-. G.	Sulfide in Surface water, Groundwater, and Seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes.
DI-295 version 1 based on EPA 9030 B, EPA 9215, SMWW 4500-S2 G.	Sulfide in aquatic sediments (river, estuary), Lake sediments, Marine sediments and Soils.
DI-296 version 1 based on SMWW 4500-NH3 D	Ammonium in Surface water, Groundwater, and Seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes.
DI-298, version 1 based on SMWW 3500-Cr B EPA 3060 A	Hexavalent Chromium in aquatic sediments (river, estuary), Lake sediments, Marine sediments, Soils, solid industrial waste (RISES) and solid waste
DI-299 version 01 Humidity Cell Test, based on ASTM D5744-13	Humidity Cell Test in soils, mining waste, minerals, mine waste rock
DI-303 version 3, based on APHA/AWWA/WEF. Method 10500 A. B. C. Method 10750 A,B,C. Method 10900 A. B.	Qualitative and Quantitative Analysis of Macroinvertebrates and Benthic Invertebrates in continental Aquatic Ecosystems and Marine Ecosystems.

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DI-304 version 4, based on APHA/AWWA/WEF. Method 10200 D and G.	Qualitative and quantitative analysis of Zooplankton in continental Aquatic Ecosystems and Marine Ecosystems.
DI-305 version 2, based on Monzón A, Casado C, Montes C & D García (1991) Functional organization of aquatic macroinvertebrate communities of a mountain river system (Central System, Manzanares River, Spain). Iberian Association of Limnology, Limnetics 7: 97-112 pp. Calero D et al. (2011) Composition and trophic structure of terrestrial macroinvertebrates of Malpeco Island, Colombian Pacific. Bull. Invest. Sea. Cost. vol.40.I.	Mass and Biomass of macroinvertebrates and benthic invertebrates in Aquatic Ecosystems and Marine Ecosystems.
DI-306 version 2, based on APHA/AWWA/WEF. Method 10200 F & H	Phytoplankton (microalgae) biomass by biovolume in continental Aquatic Ecosystems and Marine Ecosystems.
DI-306 version 2, based on APHA/AWWA/WEF. Method 10200 F & H	Phytoplankton biomass by chlorophyll a in continental Aquatic Ecosystems and Marine Ecosystems.
DI-307 version 2, based on Harris et al (2000) Zooplankton Methodology Manual. Academic Press. 684pp. Castellanos M, Zamora M, Benítez M, Garza G & R Contreras (2014) Abundance and biomass of the rotifer community and its relationship with environmental parameters in three stations of the Cuernanco Channel, Xochimilco. Rural Societies, production and environment, 14(27): 27-56.	Mass and Biomass of plankton communities in continental Aquatic Ecosystems and Marine Ecosystems.
DI-307 version 2, based on Harris et al (2000) Zooplankton Methodology Manual. Academic Press. 684pp. Castellanos M, Zamora M, Benítez M, Garza G & R Contreras (2014) Abundance and biomass of the rotifer	Mass and Biomass of Ichthyoplankton in Aquatic Ecosystems and Marine Ecosystems.

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community and its relationship with environmental parameters in three stations of the Cuernanco Channel, Xochimilco. Rural Societies, production and environment, 14(27): 27-56.	Mass and Biomass of Ichthyoplankton in Aquatic Ecosystems and Marine Ecosystems. (cont'd).
DI-307 version 2, based on Harris et al (2000) Zooplankton Methodology Manual. Academic Press. 684pp. Castellanos M, Zamora M, Benítez M, Garza G & R Contreras (2014) Abundance and biomass of the rotifer community and its relationship with environmental parameters in three stations of the Cuernanco Channel, Xochimilco. Rural Societies, production and environment, 14(27): 27-56.	Mass and Biomass of Zooplankton in Aquatic Ecosystems and Marine Ecosystems.
DI-308 version 2, based on APHA/AWWA/WEF. Method 10300 C Ministry of Agriculture, Food and the Environment 2016. Protocol for the analysis and calculation of phytoplankton metrics in lakes and reservoirs. Government of Spain. 28pp.	Periphyton Biomass in continental Aquatic Ecosystems and Marine Ecosystems.
DI-309 version 2, based on APHA/AWWA/WEF. Method 10400 D.3.a.	Mass and biomass of Macrophyte in continental Aquatic Ecosystems.
DI-310 version 2, based on Romero J (1984) Relationships between units of volume and units of biomass in different species of benthic algae. Application to phytobenth biomass assessments. Aquatic ecology, 7: 37-42 pp.	Mass and Biomass of Macroalgae in Marine Ecosystems
DI-311 version 3, based on APHA/AWWA/WEF.. Method 10600 D.	Qualitative and quantitative analysis of Ichthyofauna (fish) in continental Aquatic Ecosystems and Marine Ecosystems.
DI-312 version 1, based on Methodology for the establishment of ecological status according to the water	Biometric Fish Measurements in continental Aquatic Ecosystems and Marine Ecosystems.

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framework directive in the Ebro Hydrographic Confederation. Sampling and Analysis Protocol for Ichthyofauna: Chapter 5, Part 2: 9. Identification, counting and biometric measurements. Ministry of the Environment, Spain. 179-207 pp. And Granado C (2002) Fish ecology. University of Seville. 361 pp.	Biometric Fish Measurements in continental Aquatic Ecosystems and Marine Ecosystems. (cont'd).
DI-313 version 2, based on APHA/AWWA/WEF. Method 10600 D.2.	Ichthyofauna Diet in continental Aquatic Ecosystems and Marine Ecosystems.
DI-314 version 2, based on APHA/AWWA/WEF. Method 10400 D.	Qualitative and Quantitative analysis of Macrophytes in continental Aquatic Ecosystems.
DI-315 version 2, based on Dreckmann K, Senties A & M Núñez (2013) Manual of Laboratory Practices Algae Biology. Metropolitan Autonomous University, Iztapalapa Unit, Mexico. First impression. 90 pp.	Qualitative and Quantitative Analysis of Macroalgae in Marine Ecosystems.
DI-316 version 2, based on Moser H (ed. 1996) The early stages of fishes in the California Current Region. Calcofi Atlas, 33. Allen Press, United States, 1441 pp.	Qualitative and quantitative analysis of Ichthyoplankton in continental Aquatic Ecosystems and Marine Ecosystems.
DI-317 version 2, based on APHA/AWWA/WEF, 24 th Edition, 2023. Method 10300 B. C And Diaz C et al (2016) Manual for the monitoring and identification of the benthic microalgae Didymosphenia geminata. Second Edition. Undersecretariat of Fisheries and Aquaculture, Government of Chile. 54 pp.	Qualitative and Quantitative, and semiquantitative Analysis of Benthic Microalgae in continental Aquatic Ecosystems and Marine Ecosystems.
DI-317 version 2, based on APHA/AWWA/WEF, 24 th Edition, 2023. Method 10300 B.C And based on Diaz C et al (2016) Manual for the monitoring and identification of the benthic microalgae Didymosphenia	Qualitative and Quantitative Analysis of Didymo (Didymosphenia geminata) in continental Aquatic Ecosystems.

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<p>geminata. Second Edition. Undersecretariat of Fisheries and Aquaculture, Government of Chile. 54 pp.</p>	<p>Qualitative and Quantitative Analysis of Didymo (<i>Didymosphenia geminata</i>) in continental Aquatic Ecosystems. (cont'd).</p>
<p>DI-318 version 2, based on APHA/AWWA/WEF. Method 10200 C. D. E. F. And based on Diaz C et al (2016) Manual for the monitoring and identification of the benthic microalgae <i>Didymosphenia geminata</i>. Second Edition. Undersecretariat of Fisheries and Aquaculture, Government of Chile. 54pp.</p> <p>Dell'Uomo A. 2004. The diatomic index of eutrophication/pollution (EPI-D) in the monitoring of water current. Guidelines. Rome, Florence: APAT, ARPAT, CTN_AIM.</p> <p>Ferrari G, Kroger A & M Torrendell (2019) Water quality of the tributaries of Lagun del Sauce, Maldonado, Uruguay, based on the Pampean Diatomological Index (IDP). 28pp. DOI: 10.26461/18.05</p>	<p>Qualitative and Quantitative Analysis of Didymo (<i>Didymosphenia geminata</i>) in continental Aquatic Ecosystems.</p>
<p>DI-318 version 2, based on APHA/AWWA/WEF. Method 10200 C. D. E. F.</p> <p>And based on Diaz C et al (2016) Manual for the monitoring and identification of the benthic microalgae <i>Didymosphenia</i> <i>geminata</i>. Second Edition. Undersecretariat of Fisheries and Aquaculture, Government of Chile. 54pp.</p> <p>Dell'Uomo A. 2004. The diatomic index of eutrophication/pollution (EPI-D) in the monitoring of water current. Guidelines. Rome, Florence: APAT, ARPAT, CTN_AIM.</p>	<p>Qualitative and Quantitative and semiquantitative Analysis of Planktonic Microalgae in continental Aquatic Ecosystems and Marine Ecosystems.</p>



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<p>Ferrari G, Kroger A & M Torrendell (2019) Water quality of the tributaries of Lagun del Sauce, Maldonado, Uruguay, based on the Pampean Diatomological Index (IDP). 28pp. DOI: 10.26461/18.05</p>	<p>Qualitative and Quantitative and semiquantitative Analysis of Planktonic Microalgae in continental Aquatic Ecosystems and Marine Ecosystems. (cont'd).</p>
<p>DI-319 version 1, based on David León Muez et al 2019. Protocol for the planning, sampling, analysis and identification of microplastics in rivers. Free, 67 pp.</p> <p>Saenz A. 2019. Microplastic contamination in a lowland endorheic lake: The case of Petén Itzá. University of San Carlos of Guatemala. Faculty of Chemical Sciences and Pharmacy, 82 pp.</p> <p>Studies on the quantification of sources of microplastics and identification of possible measures for their reduction at the source. Marine Strategies of Spain. Ministry of Aquaculture, Food and Environment, Government of Spain.</p> <p>Lusher A, McHugh M & R Thompson (2013) Occurrence of microplastics in the gastrointestinal tract of pelagic and demersal fish from the English Channel. Marine Pollution Bulletin 67: 94-99.</p>	<p>Qualitative and quantitative analysis of plastic derivatives in the environment in continental Aquatic Ecosystems, Marine Ecosystems, biological tissue and sediment</p>
<p>DI-320 version 2 based on Sanders E (2012) Aseptic Laboratory Techniques: Plating Methods. Araujo J (2020) Passive sedimentation method. Ramírez J et al (2017) Analysis of Microorganism counting techniques. And Technical instructions for counting aerobic mesophilic microorganisms using the PETRIFILM® AFNOR 3M technique 01/01-09/89. SAG</p>	<p>Heterotrophic Bacteria Aerobes Mesophiles, Fungi and Yeasts in Surface water, Groundwater, and Seawater, drinking water, source of drinking water, sources catchment, wastewater, water for industrial purposes, lake aquatics and sediments (river, estuary), Lake sediments, Marine sediments, Soils, Surface and air.</p>



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Ministry of Agriculture, Government of Chile	
DI-321 version 1 based on Richard W Weber, MD. Review article: Pollen identification. 1998. Ann Allergy Asthma Immunol pages: 80:141–7. Volume 80.	Qualitative and quantitative analysis of pollen in continental aquatic ecosystems and marine ecosystems
DI-322 version 1 based on SMWW 9223 B, NCh 3437:2016, EPA (2010) Approval of Colilert-18 for the detection and enumeration of fecal Coliforms in Wastewater Samples.	Fecal Coliforms in wastewater.
DI-403 version 1, based on Robert van Geldern and Johannes A.C. Barth. 2012. Optimization of instrument setup and post-run corrections for oxygen and hydrogen stable isotope measurements of water by isotope ratio infrared spectroscopy (IRIS). Limnology and Oceanography: Methods 10: 1024-1036.	Isotopes (O/H [hydrogen-2 Isotope ($\delta^2\text{H}$), oxygen Isotope ($\delta^{18}\text{O}$)] in Surface water, Groundwater and Seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes.
DI-502 version 01 based on EPA 5021A (2014) Cromatografía gaseosa con Detector FID/Head Space	Benzene, Toluene, m,p-Xileno, o-xileno, ethylbenzene, Xilenos (o, m ,p) in soils, aquatic sediments (river, estuary), Lake sediments and Marine sediments.
DI-503 version 01 based on NCh2313/7:2021. Part 7. Determination of total hydrocarbons	Volatile hydrocarbons (C5 - C12) in surface water, groundwater, seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes
DI-504 version 1 based on EPA 5021A (2014), EPA 8015 B (2003) (Nonhalogenated Organics Using GC/FID)	Volatile hydrocarbons (C6 - C10) in soils, aquatic sediments (river, estuary), Lake sediments and Marine sediments
DI-505 version 1 based on SW 846 EPA Method 8100 (1994) Polynuclear Aromatic Hydrocarbons, Series 3535 A (2007): Solid-Phase Extraction (SPE) part of Test Methods for Evaluating Solid Waste	Acenafteno, Acenaftileno, Antraceno, Benzo (a) antraceno, Benzo (a) pireno, Benzo (e) pireno, Benzo (b) fluoranteno, Benzo (g,h,i) perileno, Benzo (k) fluoranteno, Criseno, Dibenzo (a,h) antraceno, Fenantreno, Fluoranteno, Fluoreno, Indeno (1,2,3-c,d) pireno, Naftaleno, Pireno, Sum of HAPs in surface water, groundwater, seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes, soils, aquatic sediments (river, estuary), Lake sediments and Marine sediments, biological tissues

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DI-506 version 1 based on EPA Method 8151 A (1996) Chlorinated herbicides by GC using methylation or pentafluorobenzoylation derivatization; APHA/AWWA/WEF. 24th Edition, 2023. Method 6640 B. Micro Liquid-Liquid Extraction GC Method. Acidic Herbicide Compounds	2,4 - D (2,4-dichlorophenoxyacetic acid), Pentachlorophenol in surface water, groundwater, seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes, soils, aquatic sediments (river, estuary), Lake sediments and Marine sediments
DI-507 version 1 based on EPA 8081 B (2007) Organochlorine Pesticides by gas chromatography, method 3510 C (1996) Separatory Funnel Liquid-Liquid Extraction	4,4'-DDD, 4,4'-DDE, 4,4'-DDT, Lindano, Methoxychlor, in surface water, groundwater, seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes
DI-507 version 1 based on EPA 8081 B (2007) Organochlorine Pesticides by gas chromatography, method 3546 (2007) Microwave Extraction	4,4'-DDD, 4,4'-DDE, 4,4'-DDT, Lindano, Methoxychlor in soils, aquatic sediments (river, estuary), Lake sediments and Marine sediments
DI-513 version 01 based on EPA SW-846 Determination of Hydrocarbons in the C6-C40 range, Water and soils by Gas Chromatography - FID based on EPA method 8015 D (2003) and Draft TNRCC method 1006 (2001)	Volatile Hydrocarbons C6-C10; Fixed Hydrocarbons >C10-C28; Fixed Hydrocarbons >C28-C40; Fixed Hydrocarbons >C10-C40; Total Petroleum Hydrocarbons (TPHs) C6-C40) in surface water, groundwater, seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes, soils, aquatic sediments (river, estuary), Lake sediments and Marine sediments
DI-514 version 1 based on Equipment Manual HI98191 HANNA Multiparameter Meter	Redox potential in surface water, groundwater, seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes, leachate, saturated paste
ISO 11423:1997. Part 1: Head-space gas chromatographic method. Water quality - Determination of benzene and some derivatives.	Benzene, m,p-Xileno, o-xileno, Toluene, Ethylbenzene, Sum of Xylenes in surface water, groundwater, seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes
ISO 8467:1993. Determination of permanganate index.	Permanganate Index (Oxidability) in Surface water, Groundwater and Seawater, drinking water, source of drinking water, sources catchment, wastewater and water for industrial purposes.
US EPA Method 1311 (1992) Test TCLP & US EPA 200.8 (1994) Determination of trace Elements in Waters and Wastes by Inductively Coupled plasmas-mass Spectrometry	Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium, Silver in soils, solid waste, industrial solid waste (RISES), liquid waste

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US EPA Method 1312 (1994). Test SPLP & US EPA 200.8 (1994) Determination of trace Elements in Waters and Wastes by Inductively Coupled plasmas- mass Spectrometry	Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium, Silver in soils, solid waste, industrial solid waste (RISES), liquid waste
INIA (2006) Analysis method recommended for Chile soils part 16.1 & APHA/AWWA/WEF. 24th Edition, 2023. Method 3120 B Inductively Coupled Plasma (ICP)	Cation Exchange Capacity (CEC), Effective Cation Exchange Capacity (CICE) in soils
INIA (2006) Analysis method recommended for Chile soils part 4.1 & APHA/AWWA/WEF. 24th Edition, 2023. Method 3120 B Inductively Coupled Plasma (ICP)	Exchangeable sodium, exchangeable calcium, exchangeable magnesium, exchangeable potassium in soils
INIA (2006) Analysis method recommended for Chile soils part 5.1 & APHA/AWWA/WEF. 24th Edition, 2023. Method 3120 B Inductively Coupled Plasma (ICP)	Exchangeable aluminum in soils
NCh2313/1:2021 Wastewater – Methods of analysis – Part 1: Determination of pH	pH in wastewater.
NCh2313/2. Of.95 Wastewater - Analysis methods. Part 2: Determination of temperature.	Temperature in wastewater.
NCh2313/3:1995 Wastewater - Methods of analysis - Part 3: Determination of total suspended solids.	Total suspended solids in wastewater
NCh2313/4:1995 Wastewater - Methods of analysis - Part 4: Determination of settleable solids - Volumetric method	Settleable solids in wastewater
NCh 2313/5:2005 Wastewater – Methods of Analysis Part 5: Determination of the Biochemical Oxygen Demand (BOD5)	BOD5 in wastewater

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NCh2313/6:2015. Wastewater – Methods of Analysis Part 6. Determination of oils and grease. 2015.	Oil and grease in wastewater
NCh 2313/7:2021. Wastewater – Methods of Analysis Part 7, numeral 4.2 and 4.3. Determination of total hydrocarbons.	Fixed Hydrocarbons in wastewater
NCh2313/7:2021. Part 7. Determination of total hydrocarbons.	Volatile hydrocarbons (C5 - C12) in wastewater
NCh2313/12:1996 Wastewater - Methods of analysis - Part 12: Determination of mercury	Total Mercury in wastewater
NCh 2313/14:1997 Wastewater - Methods of analysis - Part 14: Determination of total cyanide	Total Cyanide in wastewater
NCh2313/15:2009. Wastewater - Methods of analysis - Part 15. Determination of total phosphorus.	Total phosphorus in wastewater
NCh2313/16:2010. Wastewater - Methods of analysis Part 16. Determination of ammoniacal nitrogen	Ammonium, Ammonia Nitrogen (ammonia) and Ammonia in wastewater
NCh2313/17:1997. Wastewater – Methods of analysis Part 17. Determination of total sulfide.	Sulfide in wastewater
NCh2313/18:1997 Wastewater - Methods of analysis - Part 18: Determination of dissolved sulfate by calcination of residue	Dissolver Sulfate in wastewater
NCh2313/19:2001 Wastewater - Methods of analysis - Part 19: Determination of the phenol index	Phenol Index (Phenols, phenolic compounds) in wastewater
NCh2313/20:1998. Part 20. Determination of trihalomethanes (THM) - Method by gas chromatography with electron capture detector (ECD).	Bromodichloromethane (Dichlorobromomethane), Dibromochloromethane, Tetrachloroethene (Tetrachloroethylene), Tribromomethane (Bromoform), Trichloromethane (Chloroform), Sum of Trihalomethane in wastewater

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NCh2313/24:1997 Waste water- Methods of analysis - Part 24: Determination of chemical oxygen demand (DQO)	Determination of chemical oxygen demand (DQO) in wastewater.
NCh2313/25:1997. Waste water- Methods of analysis Part 25. Determination of metals by plasma emission spectroscopy - Inductively Coupled Plasma Method (I.C.P.)	Total aluminum, Dissolved aluminum, Total antimony, Dissolved antimony, Total arsenic, Dissolved arsenic, Total barium, Dissolved barium, Total beryllium, Dissolved beryllium, Total bismuth, Dissolved bismuth, Total boron, Dissolved boron, Total cadmium, Dissolved cadmium, Total calcium, Dissolved calcium, Total zinc, Dissolved zinc, Total cobalt, Dissolved cobalt, Total copper, Dissolved copper, Total chromium, Dissolved chromium, Total tin, Dissolved tin, Total strontium, Dissolved strontium, Total iron, Dissolved iron, Total lithium, Dissolved Lithium, Total magnesium, Dissolved magnesium, Total manganese, Dissolved manganese, Total molybdenum, Dissolved molybdenum, Total nickel, Dissolved nickel, Total lead, Dissolved lead, Total potassium, Dissolved potassium, Total selenium, Dissolved selenium, Total silicon, Dissolved silicon, Total silver, Dissolved silver, Total sodium, Dissolved sodium, Total thallium, Dissolved thallium, Total titanium, Dissolved titanium, Total vanadium, Dissolved vanadium, Total sulfur, Dissolved sulfur, Total phosphorus, Total wolframium, Dissolved phosphorus in wastewater
NCh2313/27:1998. Waste water- Methods of analysis Part 27. Determination of anionic surfactants - Method for active substances to methylene blue (SAAM).	Anionic Surfactants (SAAM) in wastewater.
NCh2313/29.1999 Part 29. Determination of pentachlorophenol and some organochlorine herbicides - Method by gas chromatography with electron capture detector (ECD).	2,4 - D (2,4-dichlorophenoxyacetic acid), 2,4,5-T; 2,4,5-TP (Silvex), Pentachlorophenol in wastewater
NCh2313/31:1999. Part 31. Determination of benzene and some derivatives - Method by gas chromatography using Head Space.	Benzene, Toluene, Xylenes, Ethylbenzene, in wastewater
NCh2313/32:1999 Waste water - Methods of analysis - Part 32: Determination of chloride - Moh's argentometric method	Chloride in wastewater
NCh2313/33:1999. Part 33. Determination of fluoride - Potentiometric method after distillation	Fluoride in wastewater

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NCh2313/34:2024. Parte 34. Determination of fecal coliforms by enzyme substrate assay - Most probable number (MPN) method.	Fecal coliforms in wastewater
NCh 3437:2016 Water Quality - Enumeration of Escherichia coli and Coliform Batteries - Most Probable Number Method.	Total Coliforms and Escherichia coli in Surface water, Groundwater, and Seawater, drinking water, bottled water, supply water, food/beverage water, water for dairy products, swimming pool water, catchment sources, wastewater and water for industrial purposes.
Res. Ex. N° 3612/2009- Numeral 25 and the modifications indicated in Res. Ex. No. 660/2018 and Res. Ex. No. 3002/2018 of the Undersecretariat of Fisheries and Aquaculture	Granulometry in Aquatic sediments (river, estuary), Lake sediments, Marine sediments and Soils.
Res. Ex. No. 3612/2009- Numeral 26 and the modifications indicated in Res. Ex. No. 660/2018 and Res. Ex. No. 3002/2018 of the Undersecretary of Fisheries and Aquaculture.	Organic matter in Aquatic sediments (river, estuary), Lake sediments, Marine sediments and Soils.

