

Spectrophotometer & Colorimeter

Measurement Parameters and Ranges

DR6000 / DR3900 / DR1900 / DR900 | 2024 reference edition

Units: mg/L unless otherwise stated. Chemical formulas identify the reporting basis. Yes = marked as supported in the source; blank = not marked. Original reagent codes and model-specific ranges are retained. This is an English translation of the supplied Hach table, not an updated manufacturer specification.

Source page 1 / catalog page 22

Parameter	Measuring range	DR6000	DR3900	DR1900	DR900	Reagent part no.	Notes
Aluminum	0.008-0.800	Yes	Yes	Yes	Yes	2242000-CN	
Aluminum	0.002-0.250	Yes	Yes	Yes		2603700-CN	
Aluminum	0.02-0.50	Yes	Yes	Yes		TNT848-CN	
Arsenic	0-0.200	Yes	Yes	Yes		1457142-CN; 134-49; 1458042; 1456842-CN; 1446949-CN; 14476-24; 1447624-CN; 79501-CN.	Purchase separately: cotton balls (2572-01); arsenic distillation apparatus; general-purpose distillation apparatus; distillation heater; 25 mL square sample cell (26126-02).
Barium	2-100	Yes	Yes	Yes		1206499-CN	
Benzotriazole / Tolyltriazole	1.0-16.0 (benzotriazole); 1.0-20.0 (tolyltriazole)	Yes	Yes	Yes	Yes	2141299-CN	Purchase separately: UV lamp; sample cell with 25 mL mark, 17042-00 (cell not required for colorimeters).
Boron	0.2-14.0	Yes	Yes	Yes		1417099-CN	
Boron	0.05-2.50	Yes	Yes	Yes		TNT877-CN	
Bromine	0.05-4.50	Yes	Yes	Yes	Yes	2105669-CN	
Monochloramine	0.1-10.0(Cl2)	Yes	Yes	Yes		2805145-CN	
Monochloramine	0.04-4.50(Cl2)	Yes	Yes	Yes	Yes	2802246-CN	DR6000/DR3900/DR1900 require a multi-path-length sample cell (48643-02); not required for colorimeters.
Chloride	0.1-25.0	Yes	Yes	Yes		2319800-CN	
Chloride	1.0-1000	Yes	Yes	Yes		TNT879-CN	
Chlorine dioxide	0.04-5.00	Yes	Yes	Yes	Yes	2770900-CN	
Chlorine dioxide	1-50 (direct reading)	Yes	Yes	Yes	Yes	-	
Chlorine dioxide	5-1000 (direct reading)	Yes	Yes	Yes		-	
Chlorine dioxide	0.01-1.00	Yes	Yes	Yes		2242300-CN	

Parameter	Measuring range	DR6000	DR3900	DR1900	DR900	Reagent part no.	Notes
Free chlorine	0.02-2.00	Yes	Yes	Yes	Yes	2105569-CN	
Free chlorine	0.02-2.00	Yes	Yes			2556900-CN	Requires a flow-through cell; see the relevant product ordering guide.
Free chlorine	0.04-4.50	Yes	Yes	Yes	Yes	2802299-CN	DR6000/DR3900/DR1900 require a multi-path-length sample cell (48643-02); not required for colorimeters.
Free chlorine	0.05-2.00	Yes	Yes	Yes		TNT866-CN	Indophenol method.
Free chlorine	0.1-10.0	Yes	Yes	Yes	Yes	1407099-CN	DR6000/DR3900/DR1900 require a multi-path-length sample cell (48643-02); not required for colorimeters.
Free chlorine	0.09-5.00	Yes	Yes	Yes	Yes	2105545-CN	
Total chlorine	0.02-2.00	Yes	Yes	Yes	Yes	2105669-CN	
Total chlorine	0.02-2.00	Yes	Yes	Yes		2557000-CN	Requires a flow-through cell; see the relevant product ordering guide.
Total chlorine	0.1-10.0	Yes	Yes	Yes	Yes	1406499-CN	DR6000/DR3900/DR1900 require a multi-path-length sample cell (48643-02); not required for colorimeters.
Total chlorine	2-500µg/L	Yes	Yes	Yes		2563000-CN	Requires a flow-through cell; see the relevant product ordering guide.
Total chlorine	0.09-5.00	Yes	Yes	Yes	Yes	2105645-CN	
Free & total chlorine	0.05-2.00	Yes	Yes	Yes		TNT867-CN	
Hexavalent chromium	0.010-0.700	Yes	Yes	Yes	Yes	1271099-CN	
Total chromium	0.01-0.70	Yes	Yes	Yes	Yes	2242500-CN	Requires a 25 mL sample cell (24019-06); not required for DR900.
Hexavalent & total chromium	0.03-1.00	Yes	Yes	Yes		TNT854-CN	
Cobalt	0.01-2.00	Yes	Yes	Yes		2651600-CN	

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Parameter	Measuring range	DR6000	DR3900	DR1900	DR900	Reagent part no.	Notes
Color	3-200 color units	Yes	Yes			-	Requires a rectangular sample cell with 5 cm path length (26292-50). Filter turbid samples through a 0.45 µm membrane.
Color	15-500 color units	Yes	Yes	Yes	Yes	-	Filter turbid samples through a 0.45 µm membrane.
Copper	0.04-5.00	Yes	Yes	Yes	Yes	2105869-CN	
Copper	0.1-8.0	Yes	Yes	Yes		TNT860-CN	For total copper, purchase sample preparation reagent TNT890 separately. DRB200 requires 20 mm digestion wells.
Copper	1-210µg/L	Yes	Yes	Yes	Yes	2603300-CN	
Cyanide	0.002-0.240	Yes	Yes	Yes	Yes	2430200-CN	A distillation apparatus is required if distillation is performed.
Cyanide	0.01-0.6	Yes	Yes	Yes		TNT862-CN	
Cyanuric acid	5-50mg/L		Yes	Yes		246066-CN	
Cyanuric acid	7-55mg/L				Yes	246066-CN	
Fluoride	0.02-2.00	Yes	Yes	Yes	Yes	44449-CN	
Fluoride	0.1-2.5	Yes	Yes	Yes		TNT878-CN	
Formaldehyde	3-500µg/L	Yes	Yes	Yes		2257700-CN	
Hardness	0.05-4.00 CaCO ₃	Yes	Yes	Yes	Yes	2319900-CN	
Hardness	20-350 CaCO ₃ , 5-100 Ca, 3-50 Mg	Yes	Yes	Yes		TNT869-CN	
Total hardness	8-1000µg/L CaCO ₃	Yes	Yes	Yes		2603100-CN	Requires a 1-inch square plastic sample cell with cap, 24102-12.
Total hardness	4-1000µg/L CaCO ₃	Yes	Yes	Yes		2589549-CN+ 2589723-CN	
Hydrazine	4-600µg/L	Yes	Yes	Yes	Yes	179032-CN	
Iodine	0.07-7.00	Yes	Yes	Yes		2105669-CN	
Iron	0.009-1.400	Yes	Yes	Yes	Yes	230166-CN	
Iron	0.009-1.400	Yes	Yes	Yes		230149-CN	Requires a flow-through cell; see the relevant product ordering guide.
Iron	0.2-6.0	Yes	Yes	Yes		TNT858-CN	For total iron, purchase sample preparation reagent TNT890 separately; DRB200 requires 20 mm digestion wells. For highly colored or turbid samples, blank reagent TNT919 is available separately.

Parameter	Measuring range	DR6000	DR3900	DR1900	DR900	Reagent part no.	Notes
Iron	0.3-100 µg/L	Yes				230149-CN	Requires a 10 cm path-length sample cell [2629201], adapter [LZV887] and dropper bottle [2937606].
Ferrous iron	0.02-3.00	Yes	Yes	Yes	Yes	103769-CN	
Total iron	0.01-1.80	Yes	Yes	Yes	Yes	2544800-CN	
Total iron	0.02-3.00	Yes	Yes	Yes	Yes	2105769-CN	
Total iron	0.012-1.800	Yes	Yes	Yes	Yes	2608799-CN	
Lead	5-150µg/L	Yes	Yes	Yes		2375000-CN	
Lead	3-300µg/L		Yes	Yes	Yes	1420299-CN; 1261699-CN; 245053-CN; 245026-CN	Purchase chloroform separately.
Lead	0.1-2.0	Yes	Yes	Yes		TNT850-CN	For total lead, purchase sample preparation reagent TNT890 separately. DRB200 requires 20 mm digestion wells.
Manganese	0.1-20.0	Yes	Yes	Yes	Yes	2430000-CN	
Manganese	0.006-0.700	Yes	Yes	Yes	Yes	2651700-CN	
Mercury	0.1-2.5µg/L	Yes	Yes	Yes		2658300-CN	Requires a cold-vapor mercury apparatus, vacuum pump and thermometer.

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Parameter	Measuring range	DR6000	DR3900	DR1900	DR900	Reagent part no.	Notes
Molybdate	0.2-40.0 Mo	Yes	Yes	Yes	Yes	2604100-CN	
Molybdate	0.02-3.00 Mo	Yes	Yes	Yes	Yes	2449400-CN	
Nickel	0.02-1.80	Yes	Yes	Yes		212368; 212468	Purchase chloroform separately; requires a 25 mL sample cell with cap, 26126-02.
Nickel	0.006-1.000	Yes	Yes	Yes	Yes	2651600-CN 2242600-CN (DR890)	
Nickel	0.1-6.0	Yes	Yes	Yes		TNT856-CN	For total nickel, purchase sample preparation reagent TNT890 separately. DRB200 requires 20 mm digestion wells.
Nitrate	0.3-30 NO ₃ -N	Yes	Yes	Yes	Yes	2106169-CN	
Nitrate	0.1-10.0 NO ₃ -N 0-5.0 NO ₃ -N (DR900)	Yes	Yes	Yes	Yes	2106169-CN	
Nitrate	0.1-10.0 NO ₃ -N (direct UV method)	Yes					
Nitrate	0.01-0.50 NO ₃ -N	Yes	Yes	Yes	Yes	2429800-CN	
Nitrate	0.2-30.0 NO ₃ -N	Yes	Yes	Yes	Yes	2605345-CN	
Nitrate	0.23-13.5 NO ₃ -N	Yes	Yes	Yes		TNT835-CN	
Nitrate	5-35 NO ₃ -N	Yes	Yes	Yes		TNT836-CN	
Total alkalinity	25-400 CaCO ₃	Yes	Yes	Yes		TNT870-CN	
Nitrite	0.002-0.300mg/LNO ₂ -N	Yes	Yes	Yes		2107169-CN	
Nitrite	0.005-0.35mg/LNO ₂ -N				Yes	2107169-CN	
Nitrite	2-150mg/L NO ₂ -N				Yes	2107569-CN	
Nitrite	2-250mg/L NO ₂ -N	Yes	Yes	Yes		2107569-CN	
Nitrite	0.003-0.500mg/L NO ₂ -N	Yes	Yes	Yes	Yes	2608345-CN	
Nitrite	0.015-0.600mg/L NO ₂ -N	Yes	Yes	Yes		TNT839-CN	
Nitrite	0.6-6.0mg/L NO ₂ -N	Yes	Yes	Yes		TNT840-CN	
Nitrite	2-90mg/L NO ₂ -N	Yes	Yes	Yes		TNT841-CN	
Ammonia nitrogen	0.02-2.50mg/L NH ₃ -N	Yes	Yes	Yes	Yes*	2458200-CN (Nessler); 2604545-CN (salicylate)	For turbid samples, the Nessler method requires distillation pretreatment using a general-purpose distillation apparatus and heater. *DR900: Nessler method not supported.
Ammonia nitrogen	0.01-0.50mg/L NH ₃ -N	Yes	Yes	Yes	Yes	2668000-CN	

Parameter	Measuring range	DR6000	DR3900	DR1900	DR900	Reagent part no.	Notes
Ammonia nitrogen	0.4-50.0mg/L NH3-N	Yes	Yes	Yes	Yes	2606945-CN	Distillation is required for severe interference; use a general-purpose distillation apparatus and heater.
Ammonia nitrogen	0.50-5.00 mg/L NH3-N	Yes	Yes	Yes		TNT829-CN	Distillation is required for severe interference; use a general-purpose distillation apparatus and heater.
Ammonia nitrogen	2-47mg/L NH3-N	Yes	Yes	Yes		TNT832-CN	Distillation is required for severe interference; use a general-purpose distillation apparatus and heater.
Ammonia nitrogen	0.015-2.00mg/L NH3-N	Yes	Yes	Yes		TNT830-CN	Distillation is required for severe interference; use a general-purpose distillation apparatus and heater.
Ammonia nitrogen	1-12mg/L NH3-N	Yes	Yes	Yes		TNT831-CN	Distillation is required for severe interference; use a general-purpose distillation apparatus and heater.
Ammonia nitrogen	47-130 mg/L NH3-N	Yes	Yes	Yes		TNT833-CN	Distillation is required for severe interference; use a general-purpose distillation apparatus and heater.
Ammonia nitrogen	100-1800 mg/L NH3-N	Yes	Yes	Yes		TNT834-CN	Distillation is required for severe interference; use a general-purpose distillation apparatus and heater.
Ammonia nitrogen	10-100 mg/L NH3-N	Yes	Yes	Yes		TNT837-CN	Distillation is required for severe interference; use a general-purpose distillation apparatus and heater.
Free ammonia	0.0-0.50 mg/L NH3-N	Yes	Yes	Yes	Yes	2879200-CN	DR6000/DR3900/DR1900 require a multi-path-length sample cell (48643-02); not required for colorimeters.
Total nitrogen	2-150mg/L N 10-150mg/L N (DR900)	Yes	Yes	Yes	Yes	2714100-CN	Requires DRB200 with 16 mm digestion wells.
Total nitrogen	0.5-25.0mg/L N	Yes	Yes	Yes	Yes	2672245-CN	Requires DRB200 with 16 mm digestion wells.
Total nitrogen	1-16mg/L N	Yes	Yes	Yes		TNT826-CN	Requires DRB200 with 20 mm digestion wells.
Total nitrogen	5-40mg/L N	Yes	Yes	Yes		TNT827-CN	Requires DRB200 with 20 mm digestion wells.
Total nitrogen	20-100mg/L N	Yes	Yes	Yes		TNT828-CN	Requires DRB200 with 20 mm digestion wells.
Total nitrogen (Chinese national standard method)	0.05-15mg/L N	Yes				9780400	
Total inorganic nitrogen	0.2-25.0mg/L N	Yes	Yes	Yes	Yes	2604945-CN +2604545-CN	
Total Kjeldahl nitrogen	1-150mg/L	Yes	Yes	Yes	Yes	2495300	Requires a total Kjeldahl nitrogen digestion apparatus (23130-21).
Total Kjeldahl nitrogen	0-16 mg/L (when nitrite nitrogen is negligible)	Yes	Yes	Yes		TNT880-CN	DRB200 requires both 20 mm and 13 mm digestion wells.
Organic matter, UV absorbance	N/A	Yes				-	Filter samples through a 0.45 µm membrane.

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Parameter	Measuring range	DR6000	DR3900	DR1900	DR900	Reagent part no.	Notes
Total organic carbon (TOC)	100-700mg/L C	Yes	Yes	Yes		2760445-CN	
Total organic carbon (TOC)	20-700mg/L C				Yes	2760445-CN	
Total organic carbon (TOC)	0.3-20.0mg/L C	Yes	Yes	Yes	Yes	2760345-CN	
Total organic carbon (TOC)	15-150mg/L C	Yes	Yes	Yes	Yes	2815945-CN	
Total organic carbon (TOC)	30 - 300 mg/L C	Yes	Yes	Yes		TNT811-CN	Requires DRB200 with 13 mm digestion wells, purchased separately.
Total organic carbon (TOC)	1.5 - 30 mg/L C	Yes	Yes	Yes		TNT810-CN	Requires DRB200 with 13 mm digestion wells, purchased separately.
Chemical oxygen demand (CODCr)	3-150mg/L COD	Yes	Yes	Yes	Yes	2125825-CN	Requires a DRB200 digestion reactor, purchased separately.
Chemical oxygen demand (CODCr)	20-1500mg/L COD	Yes	Yes	Yes	Yes	2125925-CN	Requires a DRB200 digestion reactor, purchased separately.
Chemical oxygen demand (CODCr)	200-15000mg/L COD	Yes	Yes	Yes	Yes	2415925-CN	Requires a DRB200 digestion reactor, purchased separately.
Chemical oxygen demand (CODCr)	0.7-40mg/L COD	Yes	Yes	Yes		2415825-CN	Requires a DRB200 digestion reactor, purchased separately.
Chemical oxygen demand (CODCr)	1-60mg/L COD	Yes	Yes	Yes		TNT820-CN	Requires a DRB200 digestion reactor, purchased separately.
Chemical oxygen demand (CODCr)	3-150mg/L COD	Yes	Yes	Yes		TNT821-CN	Requires a DRB200 digestion reactor, purchased separately.
Chemical oxygen demand (CODCr)	20-1500mg/L COD	Yes	Yes	Yes		TNT822-CN	Requires a DRB200 digestion reactor, purchased separately.
Chemical oxygen demand (CODCr)	250-15000mg/L COD	Yes	Yes	Yes		TNT823-CN	Requires a DRB200 digestion reactor, purchased separately.
Chemical oxygen demand (CODCr)	5000-60000mg/L COD	Yes	Yes	Yes		TNT824-CN	Requires a DRB200 digestion reactor, purchased separately.
Chemical oxygen demand (CODCr)	25-1000mg/L COD	Yes	Yes	Yes		TNT825-CN	Mercury-free reagent digestion method; requires DRB200, purchased separately.
Chemical oxygen demand (CODCr)	15-150 mg/L	Yes	Yes	Yes	Yes	2038225-CN	Rapid digestion at 165 °C for 20 minutes; requires DRB200, purchased separately.

Parameter	Measuring range	DR6000	DR3900	DR1900	DR900	Reagent part no.	Notes
Chemical oxygen demand (CODCr)	100-1000 mg/L	Yes	Yes	Yes	Yes	2038325-CN	Rapid digestion at 165 °C for 20 minutes; requires DRB200, purchased separately.
Chemical oxygen demand (CODCr), high-chloride samples	7-70mg/L COD	Yes	Yes	Yes		TNT815-CN	Maximum chloride masking capacity: 20,000 ppm.
Chemical oxygen demand (CODCr), high-chloride samples	70-700mg/L COD	Yes	Yes	Yes		TNT816-CN	Maximum chloride masking capacity: 20,000 ppm.
Permanganate index (CODMn)	0.50 - 5.00 mg /L	Yes	Yes	Yes	Yes	25156000-CN	Requires a DRB200 digestion reactor, purchased separately.
Dissolved oxygen	10-1000µg/L O2				Yes	2501025-CN	
Dissolved oxygen	6-800µg/L O2	Yes	Yes	Yes		2501025-CN	DR6000/DR3900/DR1900 require a 10 mL sample cell with cap, 24276-06; not required for colorimeters.
Dissolved oxygen	0.3-15.0mg/L O2	Yes	Yes	Yes	Yes	2515025-CN	DR6000/DR3900/DR1900 require a 10 mL sample cell with cap, 24276-06; not required for colorimeters.
Dissolved oxygen	1.0-40.0mg/L O2	Yes	Yes	Yes		2515025-CN	DR6000/DR3900/DR1900 require a 10 mL sample cell with cap, 24276-06; not required for colorimeters.
Oxygen scavengers	5-600 µg/L carbohydrazide	Yes	Yes	Yes	Yes	2446600-CN	Requires a 25 mL sample cell, 24019-06 (not required for DR900).
Oxygen scavengers	3-450µg/L DEHA	Yes	Yes	Yes	Yes	2446600-CN	Requires a 25 mL sample cell, 24019-06 (not required for DR900).
Oxygen scavengers	9-1000 µg/L hydroquinone	Yes	Yes	Yes	Yes	2446600-CN	Requires a 25 mL sample cell, 24019-06 (not required for DR900).
Oxygen scavengers	13-1500 µg/L erythorbic acid	Yes	Yes	Yes	Yes	2446600-CN	Requires a 25 mL sample cell, 24019-06 (not required for DR900).
Oxygen scavengers	15-1000 µg/L methyl ethyl ketoxime	Yes	Yes	Yes	Yes	2446600-CN	Requires a 25 mL sample cell, 24019-06 (not required for DR900).
Ozone	0.01-0.25mg/L O3	Yes	Yes	Yes	Yes	2516025-CN	
Ozone	0.01-0.75mg/L O3	Yes	Yes	Yes	Yes	2517025-CN	
Ozone	0.01-1.50mg/L O3	Yes	Yes	Yes	Yes	2518025-CN	
Ozone	0.01-1.35 mg/L O3	Yes	Yes	Yes	Yes	2105669-CN	DPD method; contact Hach for details.
Volatile phenols	0.002-0.200mg/L	Yes	Yes	Yes		42449-CN; 87299-CN; 183699-CN	Purchase chloroform separately.
Phenols	5-150mg/L	Yes	Yes	Yes		TNT868-CN	

Parameter	Measuring range	DR6000	DR3900	DR1900	DR900	Reagent part no.	Notes
Phosphonate	UV digestion method (multiple ranges: 0.02-2.50 or 1.0-125.0)	Yes	Yes	Yes	Yes	2429700-CN	Requires a 25 mL sample cell with cap (17042-00) and UV lamp, purchased separately. The sample cell is not required for DR900.
Acid-hydrolyzable phosphorus	0.07-5.0 PO ₄ ³⁻				Yes	2742745-CN	
Acid-hydrolyzable phosphorus	0.06-3.50 PO ₄ ³⁻	Yes	Yes	Yes		2742745-CN	
Orthophosphate (reactive phosphorus)	0.23-30.00 PO ₄ ³⁻	Yes	Yes	Yes	Yes	2244100-CN	
Orthophosphate (reactive phosphorus)	0.3-45.0 PO ₄ ³⁻	Yes	Yes	Yes	Yes	2076032-CN	
Orthophosphate (reactive phosphorus)	1.0-100.0 PO ₄ ³⁻	Yes	Yes	Yes	Yes	2767345-CN	
Orthophosphate (reactive phosphorus)	19-3000 ug/L PO ₄ ³⁻	Yes	Yes	Yes		2678600	Requires a flow-through cell; see the relevant product ordering guide.
Orthophosphate (reactive phosphorus)	0.06-5.00 PO ₄ ³⁻	Yes	Yes	Yes	Yes	2742545-CN	
Orthophosphate (reactive phosphorus)	0.02-2.50 PO ₄ ³⁻	Yes	Yes	Yes	Yes	2106069-CN	For highly turbid or colored samples, pretreatment powder pillows (14501-99) are recommended, purchased separately.
Orthophosphate (reactive phosphorus)	5.0-90.0 PO ₄ ³⁻	Yes	Yes	Yes		TNT846-CN	For highly turbid or colored samples, blank sample vials (TNT919) are recommended for sample blank correction.

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Parameter	Measuring range	DR6000	DR3900	DR1900	DR900	Reagent part no.	Notes
Total phosphorus	0.06-3.50 PO ₄ ³⁻	Yes	Yes	Yes	Yes	2742645-CN	Requires DRB200 with 16 mm digestion wells.
Total phosphorus	1.0-100.0 PO ₄ ³⁻	Yes	Yes	Yes	Yes	2767245-CN	Requires DRB200 with 16 mm digestion wells.
Reactive & total phosphorus	0.15-4.50 PO ₄ ³⁻	Yes	Yes	Yes		TNT843-CN	
Reactive & total phosphorus	1.5-15.0 PO ₄ ³⁻	Yes	Yes	Yes		TNT844-CN	
Reactive & total phosphorus	6-60 PO ₄ ³⁻	Yes	Yes	Yes		TNT845-CN	
Potassium	0.1-7.0	Yes	Yes	Yes		2459100-CN	
Quaternary ammonium compounds	0.2-5.0 CTAB	Yes	Yes	Yes		2459200-CN	Requires a 25 mL sample cell (17042-00), purchased separately. A pink or purple film may form in the cell after testing; Hach Alconox cleaner (20880-00) facilitates cleaning.
Silica	1.0-100.0 SiO ₂	Yes	Yes	Yes	Yes	2429600-CN	
Silica	0.01-1.60 SiO ₂	Yes	Yes	Yes	Yes	2459300-CN	
Silica	3-1000 µg/L SiO ₂	Yes	Yes	Yes		2553500-CN	Requires a 1-inch plastic sample cell [2410222].
Silver	0.005-0.700	Yes	Yes	Yes		2296600-CN	Digest samples when interferences such as cyanide, thiosulfate or organic matter are present.
Sulfate	5-70				Yes	2106769-CN	
Sulfate	2-70	Yes	Yes	Yes		2106769-CN	
Sulfate	40-150	Yes	Yes	Yes		TNT864-CN	
Sulfate	150-900	Yes	Yes	Yes		TNT865-CN	
Sulfate	0.1-2.0	Yes	Yes	Yes		TNT861-CN	
Sulfide	0.01-0.7 S				Yes	2244500-CN	
Sulfide	5-800 µg/L S	Yes	Yes	Yes		2244500-CN	
Sulfite	0.10-5.0	Yes	Yes	Yes		HPT430-CN	
Suspended solids	5-750	Yes	Yes	Yes	Yes	-	
Tannin and lignin	0.1-9.0	Yes	Yes	Yes	Yes	2244600-CN	
Toxicity	0-100% inhibition	Yes	Yes	Yes	Yes	2597200-CN	Requires an incubator, purchased separately.
Trihalomethanes	10-600 µg/L CHCl ₃	Yes	Yes	Yes		2790800-CN	Requires DRB200 with 20 mm wells and digestion tubes [LZP065], purchased separately.

Parameter	Measuring range	DR6000	DR3900	DR1900	DR900	Reagent part no.	Notes
Volatile acids	27-2800 CH ₃ COOH	Yes	Yes	Yes	Yes	2244700-CN	Requires a sample cell with cap (24019-06), purchased separately.
Volatile acids	50-2500 CH ₃ COOH	Yes	Yes	Yes		TNT872-CN	
Zinc	0.01-3.00	Yes	Yes	Yes	Yes	2429300-CN	
Urea	0-6 mg/L	Yes	Yes	Yes			Diacetyl monoxime spectrophotometric method. Requires DRB200 and 16 mm digestion tubes [2517600]. Prepare reagents separately; contact Hach for details.
Oil in water	0-4 mg/L	Yes					UV method using n-heptane as extractant. Requires a 1 cm quartz cuvette [4822800]; contact Hach for details.
Ammonia in air	0.16-3.3 [mg/m ³]	Yes	Yes	Yes		2458200-CN	Nessler method. Provide a sampler and adsorption tube separately; contact Hach for details.
Ammonia in air	0.16-3.3 [mg/m ³]	Yes	Yes	Yes		2604545-CN	Salicylate method. Provide a sampler and adsorption tube separately; contact Hach for details.
Hydrogen sulfide in air	0.005-0.13 [mg/m ³]	Yes	Yes	Yes		2244500-CN	Provide a sampler and adsorption tube separately; contact Hach for details.
Nitrogen oxides in air	0.0024-2.0 [mg/m ³]	Yes	Yes	Yes			Requires 16 mm empty tubes [2517600]. Provide a sampler and adsorption tube and prepare reagents separately; contact Hach for details.
Formaldehyde in air	0.0075-0.4 [mg/m ³]	Yes	Yes	Yes		2257700-CN	Requires DRB200 and 16 mm empty tubes [2517600]; contact Hach for details.
Formaldehyde	0.5-10	Yes	Yes	Yes		TNT871-CN	
Anionic surfactants	0.1-4.0	Yes	Yes	Yes		TNT874-CN	
Cationic surfactants	0.2-2.0	Yes	Yes	Yes		TNT885-CN	
Nonionic surfactants	0.2-6.0	Yes	Yes	Yes		TNT875-CN	
Nonionic surfactants	6.0-200	Yes	Yes	Yes		TNT876-CN	