



# Hach Methods Quick Reference Guide

The tables on the following 5 pages list test ranges, methods of analysis, and corresponding reagent set Product Numbers. The complete procedures are available on [au.hach.com](http://au.hach.com). The ranges given are for the pre-calibrated instrument readout; higher ranges can be analyzed by sample dilution. Parameters marked "EPA" are USEPA-approved, accepted, or equivalent for reporting purposes; sample pretreatment may be required on some procedures. If no reagent set is listed for a parameter, order needed reagents and supplies separately.

Test	USEPA	Method	Number	Range	DR6000	DR3900	DR1900	DR900	DR300	SL1000	Prod. No.
Alkalinity, Total (TNTplus)		Colorimetric	10239	25 - 400 mg/L	•	•	•				TNT870
Alkalinity, Total, LR (Chemkey)		Colorimetric	10280	20 - 200 mg/L						•	8636200
Alkalinity, Total, HR (Chemkey)		Colorimetric	10283	200 - 700 mg/L						•	8636100
Aluminum		Aluminon	8012	0.008 - 0.800 mg/L	•	•	•	•	•		2242000
Aluminum		Eriochrome Cyanine R	8326	0.002 - 0.250 mg/L	•	•	•				2603700
Aluminum (TNTplus)		Chromazurol S	10215	0.02 - 0.50 mg/L	•	•	•				TNT848-AU
ANAMMOX Activity (TNTplus)		Heme	10304	0-1000 mAbs	•	•	•				TNT882KTO-AU
Ammonia, Nitrogen		Salicylate	8155	0.01 - 0.50 mg/L	•	•	•	•	•		2668000
Ammonia, Nitrogen (TNTplus), ULR	•	Salicylate	10205	0.015 - 2.000 mg/L	•	•	•				TNT830-AU
Ammonia, Nitrogen	•	Nessler	8038	0.02 - 2.50 mg/L	•	•	•				2458200
Ammonia, Nitrogen (Test 'N Tube), LR		Salicylate	10023	0.02 - 2.50 mg/L	•	•	•	•			2604545
Ammonia, Nitrogen (TNTplus), LR	•	Salicylate	10205	1 - 12 mg/L	•	•	•				TNT831-AU
Ammonia, Nitrogen (Test 'N Tube), HR		Salicylate	10031	0.4 - 50.0 mg/L	•	•	•	•			2606945
Ammonia, Nitrogen (TNTplus), HR	•	Salicylate	10205	2 - 47 mg/L	•	•	•				TNT832-AU
Ammonia, Nitrogen (TNTplus), UHR	•	Salicylate	10205	47 - 130 mg/L	•	•	•				TNT833-AU
Ammonia, Nitrogen (TNTplus), UHR+	•	Salicylate	10301	100 - 1800 mg/L	•	•	•				TNT834-AU
Ammonia, Free (Chemkey)		Indophenol	10269	0.05 - 0.50 mg/L						•	9429600 <sup>2</sup>
Ammonia, Total (Chemkey)		Indophenol	10268	0.05 - 1.50 mg/L						•	9425200
Arsenic	•	Silver Diethyldithiocarbamate	8013	0.020 - 0.200 mg/L	•	•	•				See Method
Barium		Turbidimetric	8014	2 - 100 mg/L	•	•	•				1206499
Benzotriazole		UV Photolysis	8079	1.0 - 16.0 mg/L	•	•	•	•			2141299
Boron (TNTplus)		Azomethine-H	10274	0.05 - 2.50 mg/L	•	•	•				TNT877-AU
Boron		Carmine	8015	0.2 - 14.0 mg/L	•	•	•				1417099
Bromine		DPD	8016	0.05 - 4.50 mg/L	•	•	•	•	•		2105669
Bromine (AccuVac)		DPD	8016	0.05 - 4.50 mg/L	•	•	•	•	•		2503025
Cadmium (TNTplus) <sup>1</sup>		Cation	10217	0.02 - 0.30 mg/L	•	•	•				TNT852-AU
Carbohydrazide		Iron Reduction	8140	5 - 600 µg/L	•	•	•	•			2446600
Chloramine, Mono, LR		Indophenol	10171, 10200	0.04 - 4.50 mg/L	•	•	•	•	•		2802246
Chloramine, Mono (Test 'N Tube), HR		Indophenol	10172	0.1 - 10.0 mg/L	•	•	•				2805145
Chloramine, Mono (Chemkey)		Indophenol	10270	0.04 - 4.00 mg/L						•	9429400
Chloride		Mercuric Thiocyanate	8113	0.1 - 25.0 mg/L	•	•	•				2319800
Chlorine, Free		Indophenol	10241	0.04 - 4.50 mg/L	•	•	•	•			2802299 + 2964926
Chlorine, Free	•	DPD	8021	0.02 - 2.00 mg/L	•	•	•	•	•		2105569
Chlorine, Free (AccuVac)	•	DPD	8021	0.02 - 2.00 mg/L	•	•	•	•	•		2502025
Chlorine, Free (Pour-Thru Cell)		DPD Rapid Liquid	10059	0.02 - 2.00 mg/L	•	•	•				2556900
Chlorine, Free (TNTplus)	•	DPD	10231	0.05 - 2.00 mg/L	•	•	•				TNT866-AU
Chlorine, Free (Test 'N Tube)		DPD	10102	0.09 - 5.00 mg/L	•	•	•				2105545
Chlorine, Free, MR	•	DPD	10245	0.05 - 4.00 mg/L	•	•	•	•	•		1407099

<sup>1</sup>As listed, test determines soluble metal.

<sup>2</sup>Free Ammonia Chemkeys can only be analyzed in tandem with the Monochloramine Chemkeys.

Test	USEPA	Method	Number	Range	DR6000	DR3900	DR1900	DR900	DR300	SL1000	Prod. No.
Chlorine, Free, HR	•	DPD	10069	0.1 - 10.0 mg/L	•	•	•	•	•		1407099
Chlorine, Free & Total (TNTplus)	•	DPD	10232	0.05 - 2.00 mg/L	•	•	•				TNT867-AU
Chlorine, Free (Chemkey)	•	DPD	10260	0.04 - 4.00 mg/L						•	9429000
Chlorine, Total (Pour-Thru Cell), ULR	•	DPD	8370, 10014	2 - 500 µg/L	•	•	•				2563000
Chlorine, Total	•	DPD	8167	0.02 - 2.00 mg/L	•	•	•	•	•		2105669
Chlorine, Total (AccuVac)	•	DPD	8167	0.02 - 2.00 mg/L	•	•	•	•	•		2503025
Chlorine, Total (Pour-Thru Cell)		DPD Rapid Liquid	10060	0.02 - 2.00 mg/L	•	•	•				2557000
Chlorine, Total (Test 'N Tube)		DPD	10101	0.09 - 5.00 mg/L	•	•	•				2105645
Chlorine, Total, MR	•	DPD	10250	0.05 - 4.00 mg/L	•	•	•	•	•		1406499
Chlorine, Total, HR		DPD	10070	0.1 - 10.0 mg/L	•	•	•	•	•		1406499
Chlorine, Total (Chemkey)	•	DPD	10260	0.04 - 10.00 mg/L						•	9429100
Chlorine Demand/Requirement	•	DPD	10223	Multiple Ranges	•	•	•	•	•		—
Chlorine Dioxide, DPD	•	DPD/Glycine	10126	0.04 - 5.00 mg/L	•	•	•	•	•		2770900
Chlorine Dioxide, LR		Chlorophenol Red	8065	0.01 - 1.00 mg/L	•	•	•				2242300
Chlorine Dioxide, MR		Direct Reading	8345	1 - 50 mg/L	•	•	•	•			—
Chlorine Dioxide, HR		Direct Reading	8138	5 - 1000 mg/L	•	•	•				—
Chromium, Hexavalent	•	1,5 Diphenylcarbohydrazide	8023	0.010 - 0.700 mg/L	•	•	•	•			1271099
Chromium, Hexavalent and Total (TNTplus)	• <sup>1</sup>	1,5 Diphenylcarbohydrazide	10218, 10219	0.03 - 1.00 mg/L	•	•	•				TNT854-AU
Chromium, Total		Alkaline Hypobromite Oxidation	8024	0.01 - 0.70 mg/L	•	•	•	•			2242500
Cobalt		PAN	8078	0.01 - 2.00 mg/L	•	•	•				2651600
COD, ULR		Dichromate	8000	0.7 - 40.0 mg/L	•	•	•				2415825
COD, LR	•	Dichromate	8000	3 - 150 mg/L	•	•	•	•			2125825
COD, HR	•	Dichromate	8000	20 - 1,500 mg/L	•	•	•	•			2125925
COD, HR+		Dichromate	8000	200 - 15,000 mg/L	•	•	•	•			2415925
COD		Manganese III	10067	30 - 1000 mg/L	•	•	•	•			2623425
COD in Salt Water (TNTplus), HR		Dichromate	10299	70 - 700 mg/L	•	•	•				TNT816-AU
COD (TNTplus), ULR		Dichromate	10211	1 - 60 mg/L	•	•	•				TNT820-AU
COD (TNTplus), LR	•	Dichromate	8000	3 - 150 mg/L	•	•	•				TNT821-AU
COD (TNTplus), HR	•	Dichromate	8000	20 - 1500 mg/L	•	•	•				TNT822-AU
COD (TNTplus), UHR		Dichromate	10212	250 - 15,000 mg/L	•	•	•				TNT823-AU
Color <sup>4</sup>		ADMI Weighted Ordinate	10048	3 - 250 units	•						—
Color, True and Apparent		Platinum-Cobalt	8025	15 - 500 units	•	•	•	•			—
Color, True and Apparent, LR <sup>5</sup>		Platinum-Cobalt	8025	3 - 200 units	•	•					—
Copper, LR		Porphyrin	8143	1 - 210 µg/L	•	•	•	•			2603300
Copper	•	Bicinchoninate	8506	0.04 - 5.00 mg/L	•	•	•	•			2105869
Copper (Chemkey)	•	Bicinchoninate	10272	0.6 - 5.75 mg/L						•	9429200
Cyanide		Pyridine-Pyrazalone	8027	0.002 - 0.240 mg/L	•	•	•	•			2430200
Cyanuric Acid		Turbidimetric	8139	5 - 50 mg/L		•	•	•			246066
DEHA (Diethylhydroxylamine)		Iron Reduction	8140	3 - 450 µg/L	•	•	•	•			2446600
Detergents (Surfactants)		Crystal Violet	8028	0.002 - 0.275 mg/L	•	•	•	•			2446800
Dissolved Oxygen (AccuVac), LR		Indigo Carmine	8316	0.04 - 4.50 mg/L	•	•	•	•			2501025
Dissolved Oxygen (AccuVac), HR		HRDO	8166	0.3 - 15.0 mg/L	•	•	•	•	•		2515025
Dissolved Oxygen (AccuVac), UHR		Ultra High Range	8333	1.0 - 40.0 mg/L	•	•	•				2515025
Erythorbic Acid (Isoascorbic Acid)		Iron Reduction	8140	13 - 1500 µg/L	•	•	•	•			2446600
Fluoride, Arsenic Free	• <sup>2,3</sup>	SPADNS 2	10225	0.02 - 2.00 mg/L	•	•	•	•			2947549
Fluoride, Arsenic Free (AccuVac)	• <sup>2,3</sup>	SPADNS 2	10225	0.02 - 2.00 mg/L	•	•	•	•			2527025
Fluoride	• <sup>3</sup>	SPADNS	8029	0.02 - 2.00 mg/L	•	•	•	•			44449
Fluoride (AccuVac)	• <sup>3</sup>	SPADNS	8029	0.02 - 2.00 mg/L	•	•	•	•			2506025
Formaldehyde		MBTH	8110	3 - 500 µg/L	•	•	•				2257700
Formaldehyde (TNTplus)		Acetylacetone	10295	0.5 - 10 mg/L H <sub>2</sub> CO	•	•	•				TNT871
Hardness, Total, ULR		Chlorophosphonazo Colorimetric	8374	8 - 1000 µg/L	•	•	•				2603100
Hardness, Total, ULR (Pour-Thru Cell)		Chlorophosphonazo Rapid Liquid	8167	4 - 1000 µg/L	•	•	•				See Method
Hardness, Ca & Mg		Calmagite Colorimetric	8030	0.05 - 4.00 mg/L	•	•	•	•			2319900
Hardness, Total, LR (Chemkey)		Calmagite Colorimetric	10284	3 - 100 mg/L						•	8636400

<sup>1</sup>EPA approved for Cr<sup>6+</sup> only. <sup>2</sup>Per 40 CFR 136.6 Method Modification and Flexibility. <sup>3</sup>Not EPA accepted for drinking water using the DR900 colorimeter.

<sup>4</sup>Others color scale available: CIE L\*a\*b, Hazen, Iodine, Gardner, Yellowness & EBC (Z). <sup>5</sup>Requires 5cm glass cell.

Test	USEPA	Method	Number	Range	DR6000	DR3900	DR1900	DR900	DR300	SL1000	Prod. No.
Hardness, Total, HR (Chemkey)		Calmagite Colorimetric	10285							•	8638400
Hardness, Water (TNTplus)		Metalphthalein	10293	20 - 350 mg/L as CaCO <sub>3</sub> 5 - 100 mg/L Ca 3 - 50 mg/L Mg	•	•	•				TNT869
Hydrazine		p-Dimethylaminobenzaldehyde	8141	4 - 600 µg/L	•	•	•	•			179032
Hydrogen Peroxide (H <sub>2</sub> O <sub>2</sub> ) <sup>1</sup>		DPD	10290	0.05 - 5.00 mg/L	•	•	•				1406499
Hydroquinone		Iron Reduction	8140	9 - 1000 µg/L	•	•	•	•			2446600
Iodine DPD		DPD	8031	0.07 - 7.00 mg/L	•	•	•				2105669
Iodine DPD (AccuVac)		DPD	8031	0.07 - 7.00 mg/L	•	•	•				2503025
Iron (TNTplus) <sup>2</sup>	•	Phenanthroline	10229	0.2 - 6.0 mg/L	•	•	•				TNT858-AU
Iron		FerroZine	8147	0.009 - 1.400 mg/L	•	•	•	•			230166
Iron (Pour-Thru Cell)		FerroZine Rapid Liquid	8147	0.009 - 1.400 mg/L	•	•	•				230149
Iron, Ferrous		1, 10 Phenanthroline	8146	0.02 - 3.00 mg/L	•	•	•	•			103769
Iron, Total		FerroMo	8365	0.01 - 1.80 mg/L	•	•	•	•			2544800
Iron, Total		TPTZ	8112	0.012 - 1.800 mg/L	•	•	•	•	•		2608799
Iron, Total	•	FerroVer	8008	0.02 - 3.00 mg/L	•	•	•	•	•		2105769
Iron, Total (AccuVac)	•	FerroVer	8008	0.02 - 3.00 mg/L	•	•	•	•	•		2507025
Iron, Total (5-cm Sample Cell)		1,10 Phenanthroline	10306	0.01 - 1.00 mg/L	•	•					HPT251
Iron, Total Dissolved (Chemkey)		1,10 Phenanthroline	10281	0.05 - 3.00 mg/L						•	8636000
Isoascorbic Acid (Erythorbic Acid) (ISA)		Iron Reduction	8140	13 - 1500 µg/L	•	•	•	•			2446600
Lead		LeadTrak Fast Column Extraction	8317	5 - 150 µg/L	•	•	•				2375000
Lead	•	Dithizone	8033	3 - 300 µg/L	•	•	•				2243100
Lead (TNTplus) <sup>2</sup>		PAR	10216	0.1 - 2.0 mg/L	•	•	•				TNT850-AU
Manganese, LR		PAN	8149	0.006 - 0.700 mg/L	•	•	•	•			2651700
Magnesium (TNTplus)		Metalphthalein	10292	0.5 - 50 mg/L Mg	•	•	•				TNT849
Mercury		Cold Vapor Mercury Concentration	10065	0.1 - 2.5 µg/L	•	•	•				2658300
Methylethylketoxime (MEKO)		Iron Reduction	8140	15 - 1000 µg/L	•	•	•	•			2446600
Molybdenum, Molybdate, LR		Ternary Complex	8169	0.02 - 3.00 mg/L	•	•	•	•	•		2449400
Molybdenum, Molybdate, HR		Mercaptoacetic Acid	8036	0.2 - 40.0 mg/L	•	•	•	•			2604100
Nickel		PAN	8150	0.006 - 1.000 mg/L	•	•	•	•	3		2651600
Nickel	•	Heptoxime	8037	0.02 - 1.80 mg/L	•	•	•				2243500
Nitrate, Nitrogen, LR		Cadmium Reduction	8192	0.01 - 0.50 mg/L	•	•	•	•			2429800
Nitrate, Nitrogen (TNTplus), LR	•	Dimethylphenol	10206	0.23 - 13.5 mg/L	•	•	•				TNT835-AU
Nitrate, Nitrogen, MR		Cadmium Reduction	8171	0.1 - 10.0 mg/L	•	•	•	•			2106169
Nitrate, Nitrogen		UV Screening	10049	0.1 - 10.0 mg/L	•						—
Nitrate, Nitrogen (Test 'N Tube), HR		Chromotropic Acid	10020	0.2 - 30.0 mg/L	•	•	•	•			2605345
Nitrate, Nitrogen, HR		Cadmium Reduction	8039	0.3 - 30.0 mg/L	•	•	•	•	•		2106169
Nitrate, Nitrogen (TNTplus), HR	•	Dimethylphenol	10206	5 - 35 mg/L	•	•	•				TNT836-AU
Nitrite, Nitrogen, LR	•	Diazotization	8507	0.002 - 0.300 mg/L	•	•	•	•			2107169
Nitrite, Nitrogen (Test 'N Tube), LR		Diazotization	10019	0.003 - 0.500 mg/L	•	•	•	•			2608345
Nitrite, Nitrogen (TNTplus), LR	•	Diazotization	10207	0.015 - 0.600 mg/L	•	•	•				TNT839-AU
Nitrite, Nitrogen (TNTplus), HR	•	Diazotization	10237	0.6 - 6.0 mg/L	•	•	•				TNT840-AU
Nitrite, Nitrogen (TNTplus), UHR	•	Diazotization	10296	2 - 90 mg/L	•	•	•				TNT841-AU
Nitrite, Nitrogen, HR		Ferrous Sulfate	8153	2 - 250 mg/L	•	•	•	•			2107569
Nitrite, Nitrogen (Chemkey)		Diazotization	10271	0.005 - 0.600 mg/L						•	9429300
Nitrogen, Ammonia (see Ammonia, Nitrogen)											
Nitrogen, Total (Test 'N Tube), LR		Persulfate Digestion	10071	0.5 - 25.0 mg/L	•	•	•	•			2672245
Nitrogen, Total (TNTplus), LR		Persulfate Digestion	10208	1 - 16 mg/L	•	•	•				TNT826-AU
Nitrogen, Total (TNTplus), HR		Persulfate Digestion	10208	5 - 40 mg/L	•	•	•				TNT827-AU
Nitrogen, Total (Test 'N Tube), HR		Persulfate Digestion	10072	2 - 150 mg/L	•	•	•	•			2714100
Nitrogen, Total (TNTplus), UHR		Persulfate Digestion	10208	20 - 100 mg/L	•	•	•				TNT828-AU
Nitrogen, Total Inorganic (TIN) (Test 'N Tube)		Titanium Trichloride Reduction	10021	0.2 - 25.0 mg/L	•	•	•	•			2604945
Nitrogen, Simplified TKN (TNTplus)	•	s-TKN	10242	0 - 16 mg/L	•	•	•				TNT880-AU
Nitrogen, Total Kjeldahl (TKN)		Nessler	8075	1 - 150 mg/L	•	•	•	•			2495300

<sup>1</sup>Requires Product. No. 193332 & 1456842. <sup>2</sup>As listed, test determines soluble metal.

<sup>3</sup>Nickel PAN method reagent set for DR 900 is Prod. No. 2242600.

Test	USEPA	Method	Number	Range	DR6000	DR3900	DR1900	DR900	DR300	SL1000	Prod. No.
<b>Organic Carbon, Total (See TOC)</b>											
<b>Organic Constituents, UV-Absorbing (UV-254)</b>		Direct Reading	10054	Varies-Units Abs/cm	•						—
<b>Oxygen Demand, Chemical (See COD)</b>											
<b>Oxygen, Dissolved (See Dissolved Oxygen)</b>											
<b>Oxygen Scavengers (See specific compounds)</b>											
<b>Ozone (AccuVac), LR</b>		Indigo	8311	0.01 - 0.25 mg/L	•	•	•	•	•		2516025
<b>Ozone (AccuVac), MR</b>		Indigo	8311	0.01 - 0.75 mg/L	•	•	•	•	•		2517025
<b>Ozone (AccuVac), HR</b>		Indigo	8311	0.01 - 1.50 mg/L	•	•	•	•			2518025
<b>Peracetic Acid (PAA)<sup>1</sup></b>		DPD	10290	0.10 - 10.00 mg/L	•	•	•				1406499
<b>Peracetic Acid (PAA) (Chemkey)</b>		DPD	10297	0.04 - 50.00 mg/L						•	8635200
<b>pH (Chemkey)</b>		Colorimetric Phenol Red	10298	10298 6.3 - 9.0 units						•	9759000
<b>pH</b>		Colorimetric Phenol Red	10076	6.5 - 8.5 units					•		2657512
<b>Phenols</b>	•	4-Aminoantipyrine	8047	0.002 - 0.200 mg/L	•	•	•				2243900
<b>Phosphonates</b>		Persulfate UV Oxidation	8007	0.02 - 125.0 mg/L	•	•	•	•			2429700
<b>Phosphorus, Reactive</b>	•	PhosVer 3	8048	0.02 - 2.50 mg/L	•	•	•	•	•		2106069
<b>Phosphorus, Reactive (AccuVac)</b>	•	PhosVer 3	8048	0.02 - 2.50 mg/L	•	•	•	•	•		2508025
<b>Phosphorus, Reactive (Test 'N Tube)</b>	•	PhosVer 3	8048	0.06 - 5.00 mg/L	•	•	•	•			2742545
<b>Phosphorus, Reactive</b>		Amino Acid	8178	0.23 - 30.00 mg/L	•	•	•	•			2244100
<b>Phosphorus, Reactive (5-cm Sample Cell)</b>		Ascorbic Acid	10307	0.01 - 0.50 mg/L	•	•					HPT487
<b>Phosphate, LR (Chemkey)</b>		Ascorbic Acid	10279	0.20 - 4.00 mg/L						•	8636600
<b>Phosphate, HR (Chemkey)</b>		Ascorbic Acid	10282	2.0 - 30.0 mg/L						•	8636500
<b>Phosphorus, Reactive</b>		Molybdovanadate	8114	0.3 - 45.0 mg/L	•	•	•	•			2076032
<b>Phosphorus, Reactive (Test 'N Tube), HR</b>		Molybdovanadate	8114	1.0 - 100.0 mg/L	•	•	•	•			2767345
<b>Phosphorus, Reactive (Pour-Thru Cell), HR</b>		Molybdovanadate Rapid Liquid	8114	0.3 - 45.0 mg/L	•	•	•				2076049
<b>Phosphorus, Reactive (Pour-Thru Cell), LR</b>	•	Ascorbic Acid Rapid Liquid	10055	19 - 3000 µg/L	•	•	•				2678600
<b>Phosphorus, Reactive (TNTplus)</b>		Molybdovanadate	10214	5.0 - 90.0 mg/L	•	•	•				TNT846-AU
<b>Phosphorus, Acid Hydrolyzable (Test 'N Tube)</b>		PhosVer 3 with Acid Hydrolysis	8180	0.06 - 3.50 mg/L	•	•	•	•			2742645
<b>Phosphorus, Total (Test 'N Tube)</b>	•	PhosVer 3 with Acid Persulfate Digestion	8190	0.06 - 3.50 mg/L	•	•	•	•			2742645
<b>Phosphorus, Total (Test 'N Tube), HR</b>		Molybdovanadate with Acid Persulfate Digestion	10127	1.0 - 100.0 mg/L	•	•	•	•			2767245
<b>Phosphorus, Reactive and Total (TNTplus), LR</b>	•	Ascorbic Acid	10209, 10210	0.15 - 4.50 mg/L	•	•	•				TNT843-AU
<b>Phosphorus, Reactive and Total (TNTplus), HR</b>	•	Ascorbic Acid	10209, 10210	1.5 - 15.0 mg/L	•	•	•				TNT844-AU
<b>Phosphorus, Reactive and Total (TNTplus), UHR</b>	•	Ascorbic Acid	10209, 10210	6 - 60 mg/L	•	•	•				TNT845-AU
<b>Potassium</b>		Tetraphenylborate	8049	0.1 - 7.0 mg/L	•	•	•				2459100
<b>Quaternary Ammonium Compounds</b>		Direct Binary Complex	8337	0.2 - 5.0 mg/L	•	•	•				2459200
<b>Silica (Pour-Thru Cell), ULR</b>		Heteropoly Blue	8282	3 - 1000 µg/L	•	•	•				2553500
<b>Silica (Pour-Thru Cell), ULR</b>		Heteropoly Blue Rapid Liquid	8282	3 - 1000 µg/L	•	•	•				2678500
<b>Silica, LR</b>		Heteropoly Blue	8186	0.010 - 1.600 mg/L	•	•	•	•			2459300
<b>Silica, HR</b>		Silicomolybdate	8185	1 - 100 mg/L	•	•	•	•			2429600
<b>Silver</b>		Colorimetric	8120	0.02 - 0.70 mg/L	•	•	•				2296600
<b>Sulfate</b>	•	SulfaVer 4	8051	2 - 70 mg/L	•	•	•	•			2106769
<b>Sulfate (TNTplus), LR</b>		Turbidimetric	10227	40 - 150 mg/L	•	•	•				TNT864-AU
<b>Sulfide</b>	•	Methylene Blue	8131	5 - 800 µg/L	•	•	•	•			2244500
<b>Surfactants (See Detergents)</b>											
<b>Surfactants, Anionic (TNTplus)</b>		Methylene Blue (MBA)	8131	0.1 - 4.0 mg/L	•	•	•				TNT874-AU
<b>Surfactants, Cationic (TNTplus)</b>		Cetyltrimethylammonium Bromide	10305	0.2 - 2.0 mg/L	•	•	•				TNT885-AU
<b>Surfactants, Nonionic LR (TNTplus)</b>		TBPE	10275	0.2 - 6.0 mg/L as Triton x 100	•	•	•				TNT875-AU
<b>Suspended Solids</b>		Photometric	8006	5 - 750 mg/L	•	•	•	•			—
<b>Tannin &amp; Lignin</b>		Tyrosine	8193	0.1 - 9.0 mg/L	•	•	•	•			2244600

<sup>1</sup>Requires Product. No. 193332 & 1456842.

Test	USEPA	Method	Number	Range	DR6000	DR3900	DR1900	DR900	DR300	SL1000	Prod. No.
<b>TKN (See Nitrogen, Simplified TKN and Nitrogen, Total Kjeldahl)</b>											
<b>TOC (Total Organic Carbon), LR</b>		Direct Method	10129	0.3 - 20.0 mg/L	•	•	•	•			<b>2760345</b>
<b>TOC - Total Organic Carbon (TNTplus), LR</b>	•	Direct Method	10267	1.5 - 30 mg/L	•	•	•				<b>TNT810-AU</b>
<b>TOC (Total Organic Carbon), MR</b>		Direct Method	10173	15 - 150 mg/L	•	•	•	•			<b>2815945</b>
<b>TOC (Total Organic Carbon), HR</b>		Direct Method	10128	100 - 700 mg/L	•	•	•	•			<b>2760445</b>
<b>Tolytriazole</b>		UV Photolysis	8079	1.0 - 20.0 mg/L	•	•	•	•			<b>2141299</b>
<b>Toxicity</b>		ToxTrak	10017	0 - 100 % inhibition	•	•	•	•			<b>2597200</b>
<b>Trihalomethanes (THM)</b>		THM Plus	10132	10 - 600 µg/L	•	•	•				<b>2790800</b>
<b>Trihalomethane Formation Potential (THMFP)</b>		THM Plus	10224	10 - 600 µg/L	•	•	•				<b>2790800</b>
<b>Volatile Acids</b>		Esterification	8196	27 - 2800 mg/L	•	•	•	•			<b>2244700</b>
<b>Volatile Acids (TNTplus)</b>		Esterification	10240	50 - 2500 mg/L	•	•	•				<b>TNT872-AU</b>
<b>Zinc</b>	•	Zincon	8009	0.01 - 3.00 mg/L	•	•	•	•	•		<b>2429300</b>



### Australia

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