



측정 항목	EPA 미국 환경청	측정 방식	측정 방식 번호	측정 범위	DR6000					DR3900 & DR2800		시약 제품 번호	측정횟수
					DR6000	DR3900	DR2700	DR900	PC II Colorimeter	DR3900	DR2800		
Chromium, Hexavalent (육가크롬)	●	1, 5 Diphenylcarbohydrazide	8023	0.010 – 0.700 mg/L	●	●	●	●	●			1271099	100
Chromium, Hexavalent (AccuVac)	●	1, 5 Diphenylcarbohydrazide	8023	0.010 – 0.700 mg/L	●	●	●	●	●			2505025	25
Chromium, Hexavalent (AccuVac)			8023	0.01 – 0.60 mg/L					●			2505025	25
Chromium, Hexavalent and Total (TNTplus)	● <sup>1</sup>	1, 5 Diphenylcarbohydrazide	10218/10219	0.03 – 1.00 mg/L	●	●						TNT854	25
Chromium, Total (총크롬)		Alkaline Hypobromite Oxidation	8024	0.01 – 0.70 mg/L	●	●	●					2242500	100
Chromium, Total (총크롬)		Alkaline Hypobromite Oxidation	8024	0.01 – 0.60 mg/L					●			2242500	100
Cobalt (코발트)		PAN	8078	0.01 – 2.00 mg/L	●	●	●					2651600	100
COD, ULR (화학적산소요구량)		Dichromate	8000	0.7 – 40.0 mg/L	●	●						2415825	25
COD, LR	●	Dichromate	8000	3 – 150 mg/L	●	●	●	●				2125825	25
COD, HR	●	Dichromate	8000	20 – 1500 mg/L	●	●	●	●				2125925	25
COD, HR+		Dichromate	8000	200 – 15,000 mg/L	●	●	●	●				2415925	25
COD		Manganese III	10067	30 – 1000 mg/L	●	●	●	●				2623425	25
COD, Mercury-Free (TNTplus), HR		Dichromate	10236	25–100mg/L	●	●						TNT825	25
CODCOD (TNTplus), ULR		Dichromate	10211	1 – 60 mg/L	●	●						TNT820	24
COD (TNTplus), LR	●	Dichromate	8000	3 – 150 mg/L	●	●						TNT821	25
COD (TNTplus), HR	●	Dichromate	8000	20 – 1500 mg/L	●	●						TNT822	25
COD (TNTplus), UHR		Dichromate	10212	250 – 15,000 mg/L	●	●						TNT823	25
Color (색도)		ADMI Weighted Ordinate	10048	3 – 250 units	●							—	
Color, True and Apparent		Platinum-Cobalt	8025	15 – 500 units	●	●	●	●				—	
Copper, LR (구리)		Porphyrin	8143	1 – 210 µg/L	●	●	●	●				2603300	100
Copper	●	Bicinchoninate	8506	0.04 – 5.00 mg/L	●	●	●	●	●			2105869	100
Copper (AccuVac)		Bicinchoninate	8026	0.04 – 5.00 mg/L	●	●	●	●	●			2504025	25
Copper (TNTplus)2		Bathocuproine	10238	0.1–8.0 mg/L	●	●						TNT860	25
Cyanide (시아니드)		Pyridine-Pyrazalone	8027	0.002 – 0.240 mg/	●	●	●	●				2430200	100
Cyanuric Acid		Turbidimetric	8139	5 – 50 mg/L		●	●	●				246066	50
DEHA (Diethylhydroxylamine)		Iron Reduction	8140	3 – 450 µg/L	●	●	●	●				2446600	100
Detergents (Surfactants) (세제)		Crystal Violet	8028	0.002 – 0.275 mg/	●	●	●	●				2446800	70~100
Dissolved Oxygen (AccuVac), LR (DC, 용존산소)		Indigo Carmine	8316	6 – 800 µg/L	●	●	●					2501025	25
Dissolved Oxygen (AccuVac), LR (DC, 용존산소)		Indigo Carmine	8316	10 – 1000 µg/L					●			2501025	25
Dissolved Oxygen (AccuVac), HR		HRDO	8166	0.3 – 15.0 mg/L	●	●	●	●				2515025	25
Dissolved Oxygen (AccuVac), UHR		Ultra High Range	8333	1.0 – 40.0 mg/L	●	●	●					2515025	25
Erythorbic Acid (Isoascorbic Acid) (에리스로르빈산)		Iron Reduction	8140	13 – 1500 µg/L	●	●	●	●				2446600	100
Fluoride, Arsenic Free (불소)	●	SPADNS 2	10225	0.02 – 2.00 mg/L	●	●	●	●	●			2947549	125
Fluoride, Arsenic Free (AccuVac)	●	SPADNS 2	10225	0.02 – 2.00 mg/L	●	●	●	●	●			2527025	25
Fluoride	● <sup>4</sup>	SPADNS	8029	0.02 – 2.00 mg/L	●	●	●	●	●			44449	125
Fluoride (AccuVac)	● <sup>4</sup>	SPADNS	8029	0.02 – 2.00 mg/L	●	●	●	●	●			2506025	25
Formaldehyde (포름알데히드)		MBTH	8110	3 – 500 µg/L	●	●	●					2257700	100
Hardness, Total, ULR (총경도)		Chlorophosphonazo Colorimetric	8374	8 – 1000 µg/L	●	●	●					2603100	100
Hardness, Total, ULR (Pour-Thru Cell)		Chlorophosphonazo Rapid Liquid	8374	4 – 1000 µg/L	●	●	●					—	
Hardness, Ca & Mg (경도)		Calmagite Colorimetric	8030	0.05 – 4.00 mg/L	●	●	●	●				2319900	100
Hydrazine (하이드라진)		p-Dimethylaminobenzaldehyde	8141	4 – 600 µg/L	●	●	●	●				179032	100
Hydrazine (AccuVac)		p-Dimethylaminobenzaldehyde	8141	4 – 600 µg/L	●	●	●	●				2524025	25
Hydroquinone (하이드로퀴논)		Iron Reduction	8140	9 – 1000 µg/L	●	●	●	●				2446600	100
Iodine DPD (요오드)		DPD	8031	0.07 – 7.00 mg/L	●	●	●					2105669	100
Iodine DPD (AccuVac)		DPD	8031	0.07 – 7.00 mg/L	●	●	●					2503025	25
Iron (TNTplus)2 (철)	●	Phenanthroline	10229	0.2 – 6.0 mg/L	●	●						TNT858	25
Iron		FerroZine	8147	0.009 – 1.400 mg/L	●	●	●	●				230166	50
Iron (Pour-Thru Cell)		FerroZine Rapid Liquid	8147	0.009 – 1.400 mg/L	●	●	●					230149	1000
Iron, Ferrous (2가철)		1, 10 Phenanthroline	8146	0.02 – 3.00 mg/L	●	●	●	●				103769	100
Iron, Ferrous (AccuVac)		1, 10 Phenanthroline	8146	0.02 – 3.00 mg/L	●	●	●	●				2514025	25
Iron, Total (총철)		FerroMo	8365	0.01 – 1.80 mg/L	●	●	●	●				2544800	100
Iron, Total		TPTZ	8112	0.012 – 1.800 mg/L	●	●	●	●	●			2608799	100
Iron, Total (AccuVac)		TPTZ	8112	0.012 – 1.800 mg/L	●	●	●	●	●			2510025	25
Iron, Total	●	FerroVer	8008	0.02 – 3.00 mg/L	●	●	●	●	●			2105769	100
Iron, Total (AccuVac)	●	FerroVer	8008	0.02 – 3.00 mg/L	●	●	●	●	●			2507025	25
Isoascorbic Acid (Erythorbic Acid) ISA (아스코르빈산)	●	Iron Reduction	8140	13 – 1500 µg/L	●	●	●	●				2446600	100

# Quick Reference Guide

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					DR6000	DR3900 & DR2800	DR2700	DR900	PC II Colorimeter				
Lead (납)		LeadTrak Fast Column Extraction	8317	5 – 150 µg/L	•	•	•	•	•	•	2375000	20	
Lead	•	Dithizone	8033	3 – 300 µg/L	•	•	•	•	•	•	2243100	60~100	
Lead (TNTplus)*		PAR	10216	0.1 – 2.0 mg/L	•	•					TNT850	25	
Manganese, LR (망간)		PAN	8149	0.006 – 0.700 mg/L	•	•	•	•	•	•	2651700	50	
Manganese, HR	•	Periodate Oxidation	8034	0.1 – 20.0 mg/L	•	•	•	•	•	•	2430000	100	
Mercury (수은)		Cold Vapor Mercury Concentration	10065	0.1 – 2.5 µg/L	•	•	•				2658300	25	
Methylethylketoxime (MEKO)		Iron Reduction	8140	15 – 1000 µg/L	•	•	•	•			2446600	100	
Molybdenum, Molybdate, LR (몰리브덴)		Ternary Complex	8169	0.02 – 3.00 mg/L	•	•	•	•	•	•	2449400	100	
Molybdenum, Molybdate, HR		Mercaptoacetic Acid	8036	0.2 – 40.0 mg/L	•	•	•	•			2604100	100	
Molybdenum, Molybdate (AccuVac), HR		Mercaptoacetic Acid	8036	0.2 – 40.0 mg/L	•	•	•	•			—		
Nickel (니켈)		PAN	8150	0.006 – 1.000 mg/L	•	•	•	•	3	•	2651600	100	
Nickel	•	Heptoxime	8037	0.02 – 1.80 mg/L	•	•	•				2243500	50	
Nickel (TNTplus)1		Dimethylglyoxime	10220	0.1 – 6.0 mg/L	•	•					TNT856	25	
Nitrate, Nitrogen, LR (질산성질소)		Cadmium Reduction	8192	0.01 – 0.50 mg/L	•	•	•	•			2429800	100	
Nitrate, Nitrogen (TNTplus), LR		Dimethylphenol	10206	0.23 – 13.5 mg/L	•	•					TNT835	25	
Nitrate, Nitrogen, MR		Cadmium Reduction	8171	0.1 – 10.0 mg/L	•	•	•				2106169	100	
Nitrate, Nitrogen, MR		Cadmium Reduction	8171	0.2 – 50 mg/L				•			2106169	100	
Nitrate, Nitrogen (AccuVac), MR		Cadmium Reduction	8171	0.1 – 10.0 mg/L	•	•	•				2511025	25	
Nitrate, Nitrogen (AccuVac), MR		Cadmium Reduction	8171	0.2 – 50 mg/L				•			2511025	25	
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	50	
Nitrate, Nitrogen, HR		Cadmium Reduction	8039	0.3 – 30.0 mg/L	•	•	•	•	•		2106169	100	
Nitrate, Nitrogen (AccuVac), HR		Cadmium Reduction	8039	0.3 – 30.0 mg/L	•	•	•	•	•		2511025	25	
Nitrate, Nitrogen (TNTplus), HR		Dimethylphenol	10206	5 – 35 mg/L	•	•					TNT836	25	
Nitrite, Nitrogen, LR (아질산성질소)	•	Diazotization	8507	0.002 – 0.300 mg/L	•	•	•	•			2107169	100	
Nitrite, Nitrogen (AccuVac), LR	•	Diazotization	8507	0.002 – 0.300 mg/L	•	•	•	•			2512025	25	
Nitrite, Nitrogen (Test 'N Tube), LR	•	Diazotization	10019	0.003 – 0.500 mg/L	•	•	•	•			2608345	50	
Nitrite, Nitrogen (TNTplus), LR	•	Diazotization	10207	0.015 – 0.600 mg/L	•	•					TNT839	25	
Nitrite, Nitrogen (TNTplus), HR		Diazotization	10237	0.6–6.0 mg/L	•	•					TNT840	25	
Nitrite, Nitrogen, HR		Ferrous Sulfate	8153	2 – 250 mg/L	•	•	•				2107569	100	
Nitrite, Nitrogen, HR		Ferrous Sulfate	8153	0 – 150 mg/L				•				100	
Nitrogen, Ammonia (See Ammonia, Nitrogen)													
Nitrogen, Total (Test 'N Tube), LR (총질소)		Persulfate Digestion	10071	0.5 – 25.0 mg/L	•	•	•	•			2672245	25~50	
Nitrogen, Total (TNTplus), LR		Persulfate Digestion	10208	1 – 16 mg/L	•	•					TNT826	25	
Nitrogen, Total (TNTplus), HR		Persulfate Digestion	10208	5 – 40 mg/L	•	•					TNT827	25	
Nitrogen, Total (Test 'N Tube), HR		Persulfate Digestion	10072	2 – 150 mg/L	•	•	•	•			2714100	25~50	
Nitrogen, Total (TNTplus), UHR		Persulfate Digestion	10208	20 – 100 mg/L	•	•					TNT828	25	
Nitrogen, Total Inorganic (TIN) (Test 'N Tube)		Titanium Trichloride Reduction	10021	0.2 – 25.0 mg/L	•	•	•	•			2604945	25~50	
Nitrogen, Simplified TKN (TNTplus)		s-TKN	10242	0 – 16 mg/L	•	•					TNT880	25	
Nitrogen, Total Kjeldahl (TKN)		Nessler	8075	1 – 150 mg/L	•	•	•	•			2495300	250	
Organic Carbon, Total (See TOC) (총유기탄소)													
Organic Constituents, UV-Absorbing (UV-254)		Direct Reading	10054	Varies-Units: Abs/cm	•						—		
Oxygen Demand, Chemical (See COD)													
Oxygen, Dissolved (See Dissolved Oxygen)													
Oxygen Scavengers (See specific compounds)													
Ozone (AccuVac), LR		Indigo	8311	0.01 – 0.25 mg/L	•	•	•	•	•		2516025	25	
Ozone (AccuVac), MR		Indigo	8311	0.01 – 0.75 mg/L	•	•	•	•	•		2517025	25	
Ozone (AccuVac), HR		Indigo	8311	0.01 – 1.50 mg/L	•	•	•	•			2518025	25	
PCB (Polychlorinated Biphenyls) in Soil2		Immunoassay	10050	1 – 50 ppm, threshold	•	•	•		•		2773500	Up to 18	
pH		Colorimetric Phenol Red	10076	6.5 – 8.5 units				•	•		2657512	Varies	
Phenols (페놀)	•	4-Aminoantipyrine	8047	0.002 – 0.200 mg/L	•	•	•				2243900	100	

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Phosphonates (인산염)		Persulfate UV Oxidation	8007	0.02 – 125.0 mg/L	●	●	●	●	●						2429700	100
Phosphorus, Reactive (인산염인)	●	PhosVer 3	8048	0.02 – 2.50 mg/L	●	●	●	●	●						2106069	100
Phosphorus, Reactive (AccuVac)	●	PhosVer 3	8048	0.02 – 2.50 mg/L	●	●	●	●	●						2508025	25
Phosphorus, Reactive (Test 'N Tube)	●	PhosVer 3	8048	0.06 – 5.00 mg/L	●	●	●	●	●						2742545	25~50
Phosphorus, Reactive		Amino Acid	8178	0.23 – 30.00 mg/L	●	●	●	●	●						2244100	100
Phosphorus, Reactive		Molybdovanadate	8114	0.3 – 45.0 mg/L	●	●	●	●	●						2076032	50
Phosphorus, Reactive (AccuVac)		Molybdovanadate	8114	0.3 – 45.0 mg/L	●	●	●	●	●						2525025	25
Phosphorus, Reactive (Test 'N Tube), HR		Molybdovanadate	8114	1.0 – 100.0 mg/L	●	●	●	●	●						2767345	25~50
Phosphorus, Reactive (Pour-Thru Cell), HR		Molybdovanadate Rapid Liquid	8114	0.3 – 45.0 mg/L	●	●	●	●	●						2076049	250
Phosphorus, Reactive (Pour-Thru Cell), LR	●	Ascorbic Acid Rapid Liquid	10055	19 – 3000 µg/L	●	●	●	●	●						2678600	250
Phosphorus, Reactive (TNTplus)		Molybdovanadate	10214	5.0 – 90.0 mg/L	●	●	●	●	●						TNT846	25
Phosphorus, Acid Hydrolyzable (Test 'N Tube)		PhosVer 3 with Acid Hydrolysis	8180	0.06 – 3.50 mg/L	●	●	●	●	●						2742645	25~50
Phosphorus, Total (Test 'N Tube) (총인)	●	PhosVer 3 with Acid Persulfate Digestion	8190	0.06 – 3.50 mg/L	●	●	●	●	●						2742645	25~50
Phosphorus, Total (Test 'N Tube), HR		Molybdovanadate with Acid Persulfate Digestion	10127	1.0 – 100.0 mg/L	●	●	●	●	●						2767245	25~50
Phosphorus, Reactive and Total (TNTplus), LR (인산이온, 총인산이온)	●	Ascorbic Acid	10209/10210	0.15 – 4.50 mg/L	●	●	●	●	●						TNT843	25
Phosphorus, Reactive and Total, (TNTplus), HR	●	Ascorbic Acid	10209/10210	1.5 – 15.0 mg/L	●	●	●	●	●						TNT844	25
Phosphorus, Reactive and Total, (TNTplus), UHR	●	Ascorbic Acid	10209/10210	6 – 60 mg/L	●	●	●	●	●						TNT845	25
Potassium (칼륨)		Tetraphenylborate	8049	0.1 – 7.0 mg/L	●	●	●	●	●						2459100	100
Quaternary Ammonium Compounds (제4암모늄화합물)		Direct Binary Complex	8337	0.2 – 5.0 mg/L	●	●	●	●	●						2459200	100
Selenium (셀레늄)		Diaminobenzidine	8194	0.01 – 1.00 mg/L	●	●	●	●	●						2244200	66~100
Silica (Pour-Thru Cell), ULR (실리카)		Heteropoly Blue	8282	3 – 1000 µg/L	●	●	●	●	●						2553500	100
Silica (Pour-Thru Cell), ULR		Heteropoly Blue Rapid Liquid	8282	3 – 1000 µg/L	●	●	●	●	●						2678500	250
Silica, LR		Heteropoly Blue	8186	0.010 – 1.600 mg/L	●	●	●	●	●						2459300	100
Silica, HR		Silicomolybdate	8185	1 – 100 mg/L	●	●	●	●	●				●		2429600	100
Silica, HR		Silicomolybdate	8185	0 – 75 mg/L								●			2429600	100
Silver (은)		Colorimetric	8120	0.005 – 0.700 mg/L	●	●	●	●	●						2296600	50
Sulfate (황산염)	●	SulfaVer 4	8051	2 – 70 mg/L	●	●	●	●	●						2106769	100
Sulfate (AccuVac)	●	SulfaVer 4	8051	2 – 70 mg/L	●	●	●	●	●						2509025	25
Sulfate (TNTplus), LR		Turbidimetric	10227	40 – 150 mg/L	●	●	●	●	●						TNT864	25
Sulfate (TNTplus), HR		Turbidimetric	10227	150 – 900 mg/L	●	●	●	●	●						TNT865	25
Sulfate, LR-MR-HR		Sulfaver 4	10248	2 – 7000 mg/L								●				
Sulfide / Hydrogen Sulfide (황화물)	●	Methylene Blue	8131	5 – 800 µg/L	●	●	●	●	●						2244500	100
Sulfide / Hydrogen Sulfide		Methylene Blue	10254	0.01 – 70 mg/L								●			2244500	100
Sulfite (Europe only) (아황산염)		Colorimetric		0.10 – 5.00 mg/L	●	●	●	●	●						—	
Surfactants (See Detergents)																
Suspended Solids (SS, 부유물질)		Photometric	8006	5 – 750 mg/L	●	●	●	●	●						—	
Tannin & Lignin (탄닌&리그닌)		Tyrosine	8193	0.1 – 9.0 mg/L	●	●	●	●	●						2244600	100
TOC (Total Organic Carbon), LR (총유기탄소)		Direct Method	10129	0.3 – 20.0 mg/L	●	●	●	●	●						2760345	25~50
TOC (Total Organic Carbon), MR		Direct Method	10173	15 – 150 mg/L	●	●	●	●	●						2815945	25~50
TOC (Total Organic Carbon), HR		Direct Method	10128	100 – 700 mg/L	●	●	●	●	●						2760445	25~50
TOC (Total Organic Carbon), HR		Direct Method	10128	20 – 700 mg/L								●			2760445	25~50
Tolyltriazole		UV Photolysis	8079	1.0 – 20.0 mg/L	●	●	●	●	●						2141299	100
Toxicity (독성)		ToxTrak	10017	0 – 100 % inhibition	●	●	●	●	●						2597200	25~49
TPH in Soil1 (총석유탄화수소)		Immunoassay	10050	2 – 20 ppm, threshold	●	●	●	●	●				●		2774300	Up to 18
TPH in Water		Immunoassay	10050	2 – 20 ppm, threshold	●	●	●	●	●				●		2774300	Up to 18
Trihalomethanes (THM) (트로할로메탄)		THM Plus	10132	10 – 600 µg/L	●	●	●	●	●						2790800	50~99
Trihalomethane Formation Potential (THMFP)		THM Plus	10224	10 – 600 µg/L	●	●	●	●	●						2790800	50~99
Volatile Acids (휘발성 산)		Esterification	8196	27 – 2800 mg/L	●	●	●	●	●						2244700	100
Volatile Acids (휘발성 산) TNT plus		Esterification	10240	50 – 2500 mg/L	●	●	●	●	●						TNT872	25
Zinc (아연)	●	Zincon	8009	0.01 – 3.00 mg/L	●	●	●	●	●						2429300	100