

Chapter 246-390 WAC

DRINKING WATER ((CERTIFICATION)) LABORATORY CERTIFICATION AND DATA
REPORTING RULES

AMENDATORY SECTION (Amending Order 290B, filed 7/22/92, effective 8/22/92)

WAC 246-390-001 Purpose(~~--Objectives~~)). (1) The purpose of this chapter is to establish ((a)) state drinking water program for certification of ((laboratories)) labs analyzing public drinking water samples under RCW 43.20.050. The certification program is designed to satisfy the intent of the primacy agreement with United States Environmental Protection Agency and the state, in compliance with 40 C.F.R. 142.10, 7/1/90.

(2) The department certification program((+)

~~(a)) requires ((laboratories to demonstrate capability to accurately analyze drinking water samples;~~

~~(b) Aids laboratories in improving quality assurance;~~

~~(c) Offers technical assistance in all drinking water analyses;~~

and

~~(d) Fosters cooperation between the state department of health, local health agencies, and operators of laboratories)) labs to comply with:~~

(a) Rules for environmental testing labs accredited under chapter 173-50 WAC that analyze public drinking water samples under RCW 43.20.050; and

(b) Data reporting requirements to ensure timely, reliable and accurate data submittal to the department.

[Statutory Authority: RCW 43.20.050. 92-15-152 (Order 290B), § 246-390-001, filed 7/22/92, effective 8/22/92.]

AMENDATORY SECTION (Amending Order 290B, filed 7/22/92, effective 8/22/92)

WAC 246-390-010 Definitions, abbreviations and acronyms.

Definitions in this section shall apply throughout this chapter((7)) unless clearly indicated otherwise.

~~(1) ("Administrative Procedure Act" means the adjudicative proceedings governed by chapter 34.05 RCW and chapter 246-08 WAC.~~

~~(2) "Analytical data" means the recorded qualitative and/or quantitative results of a chemical, physical, biological, microbiological, or radiological determination.~~

~~(3) "Certification" means the formal contractual agreement between the department and the certified laboratory indicating a laboratory is capable of producing accurate analytical data and is authorized to test drinking water compliance samples. The department will issue a certificate to the laboratory indicating the contaminants the laboratory is authorized to analyze.~~

~~Certification does not guarantee validity of analytical data submitted by a certified laboratory.~~

~~(4) "Certification authority" means the designated official or a representative of the official authorized by the department as the head of the certification program.~~

~~(5) "Certification manual" means the most recent revision of the procedural and technical criteria of the drinking water certification rules. This document, entitled "Certification Manual for Laboratories Analyzing Washington State Drinking Water," is available from the Department of Health, Public Health Laboratory, Drinking Water Certification Program, 1610 NE 150th St., Seattle, Washington 98155-7224.~~

~~(6) "Certification official (CO)" means the designated official authorized by the department to certify drinking water laboratories.~~

~~(7)) "Analyte" means a microbiological or chemical substance that a lab analyzes.~~

~~(2) "Blended sample" means a sample collected from two or more individual sources at a point downstream of the confluence of the individual sources and prior to the first connection.~~

~~(3) "Close of business" means the latest time during a business day at which the lab is no longer in routine operation for accepting or performing water quality sample analysis.~~

~~(4) "Compliance sample" means a ((drinking water sample collected in accordance with WAC 246-290-300 and/or 246-290-320 and submitted to a state certified laboratory for analysis)) water quality sample collected and analyzed for compliance purposes under chapter 246-290 or 246-291 WAC.~~

(5) "Composite sample" means a sample that has been prepared by the laboratory for analysis by mixing equal parts of two to five individually collected drinking water samples and then analyzed as a single sample.

(6) "Contracting lab" means a certified laboratory that enters into an agreement with another certified laboratory (the subcontracting lab) to obtain drinking water quality analysis from the subcontracting lab.

(7) "Confirmation" means to demonstrate the accuracy of results of a sample by analyzing another sample from the same location within a reasonable period of time, generally not to exceed two weeks. Confirmation occurs when analysis results fall within plus or minus thirty percent of the original sample result.

(8) "Department" means the Washington state department of health.

~~(9) ("EMSL-CI" means the EPA Environmental Monitoring and Support Laboratory, Cincinnati, Ohio.~~

~~(10) "EMSL-LV" means the EPA Environmental Monitoring System Laboratory, Las Vegas, Nevada.~~

~~(11) "EPA" means United States Environmental Protection Agency.~~

~~(12) "Intercomparison studies" means a series of cross check samples sent to radiochemistry laboratories by EPA to compare the results between participating laboratories.~~

~~(13) "Laboratory" means any facility under the ownership and technical management of a single entity in a single geographical locale. A laboratory is where scientific examinations are performed on drinking water samples.~~

~~(14))~~ "Electronic data transfer" means transmitting data between organizations in a specific structure by electronic means.

(10) "Ecology" means the Washington state department of ecology.

(11) "EPA" means the Environmental Protection Agency.

(12) "Forms" means a department-accepted written document used for recording and submitting drinking water quality analytical data to the department.

(13) "Lab" or "certified lab" means an analytical lab accredited under chapter 173-50 WAC that has received an official scope of accreditation from ecology for one or more drinking water analytical parameters.

(14) "Laboratory reporting level (LRL)" means the concentration of a substance at which a lab is ninety-nine percent confident that the test result can be accurately reproduced within EPA-specified or method-specific ranges of accuracy and precision using the same testing method, and the value reported is legally defensible.

(15) "LRL" means the lab reporting level.

(16) "Maximum contaminant level (MCL)" means the maximum permissible level of a contaminant in drinking water ((the purveyor)) that a public water system delivers to ((any public water system user, measured at the location identified under WAC 246-290-300, Table 4)) consumers. MCLs are identified in chapters 246-290 and 246-291 WAC.

~~((15) "Official methods" means methodologies specified by EPA drinking water regulations under 40 C.F.R. 141.21 - 141.30, 141.41 - 141.42, 7/1/90 and approved by the department.~~

~~(16))~~ (17) "MCL" means maximum contaminant level.

(18) "MDL" means method detection limit.

(19) "Method detection limit (MDL)" means the minimum concentration of a substance that can be determined with ninety-nine percent confidence that the true concentration is greater than zero.

(20) "mg/L" means milligram per liter (1 mg/L = 1 ppm).

(21) "Microbiological sample results" means test results for a drinking water sample that is analyzed for coliform bacteria.

(22) "mL" means a milliliter.

(23) "NTU" means a nephelometric turbidity unit.

(24) "Parameter" means ((a single determination or group of related determinations using a specific written official method)) the specific contaminant in drinking water being analyzed in combination with the analytical method by which the contaminant is analyzed.

~~((17) "Performance evaluation (PE)" means an evaluation of the results of analysis of samples from an external testing source whose true values are unknown to the laboratory conducting the analysis. The external testing service must be approved by the department and/or CO if other than EPA sources are used.~~

~~(18) "On-site audit" means an on-site inspection performed by the department to determine a laboratory's capabilities and facilities.~~

~~(19) "Quality assurance (QA)" means all those planned and systematic actions necessary to provide confidence that an analysis, measurement, or surveillance program produces data of known and defensible quality.~~

~~(20) "Quality controls (QC)" means internal written procedures~~

~~and routine analyses of laboratory reference materials, samples, and blanks to insure precision and accuracy of methodology, equipment and results.~~

~~(21) "State advisory level (SAL)" means a department-established value for a chemical without an existing MCL. The SAL represents a level which when exceeded, indicates the need for further assessment to determine if the chemical is an actual or potential threat to human health.)~~ (25) "pCi/L" means picocuries per liter.

(26) "Public water system" means a system providing water for human consumption through pipes or other constructed conveyances, excluding a system serving only one single-family residence and a system with four or fewer connections all of which serve residences on the same farm including:

(a) Collection, treatment, storage, or distribution facilities under control of the purveyor and used primarily in connection with the system; and

(b) Collection or pretreatment storage facilities not under control of the purveyor and used primarily in connection with the system.

(27) "Repeat sample" means a sample collected to confirm the results of a previous sample.

(28) "SCA" means state certification authority.

(29) "Schema" means a formal description of the structure of a data base, spreadsheet, or XML file. XML means extensible markup language that is a set of rules for encoding documents electronically. Schema includes the names of the tables, the names

of the columns of each table, the type, and other attributes of each column.

(30) "State certification authority (SCA)" means the person designated by the department and certified by EPA's administrator as the person officially responsible for the state's drinking water analyses certification program.

(31) "State reporting level (SRL)" means the minimum concentration of each analyte that shall be reported to the department under WAC 246-390-300.

(32) "SRL" means the state reporting level.

(33) "Subcontracting lab" means a certified lab that enters into an agreement with another certified lab (the contracting laboratory) to perform drinking water quality analysis for the contracting lab.

(34) "µg/L" means micrograms per liter.

(35) "UOM" means unit of measure.

[Statutory Authority: RCW 43.20.050. 92-15-152 (Order 290B), § 246-390-010, filed 7/22/92, effective 8/22/92.]

NEW SECTION

WAC 246-290-032 Certification. To be certified, a lab shall comply with:

- (1) Accreditation requirements under chapter 173-50 WAC; and
- (2) Data reporting requirements under this chapter.

[]

AMENDATORY SECTION (Amending Order 290B, filed 7/22/92, effective 8/22/92)

WAC 246-390-100 Appeals. (~~(A laboratory manager may appeal any certification action such as denial and revocation in writing to the CO. If the question is not satisfactorily resolved, the laboratory manager may appeal in writing by certified mail to the certification authority within thirty days of the decision of the CO. Decisions of the certification authority may be appealed to the secretary of the department within thirty days of notification of final action. The adjudication procedure is governed by the Administrative Procedure Act, this chapter, and chapter 246-08 WAC. Laboratories may be allowed to maintain certification during the appeal process.)~~) (1) A lab may appeal a departmental decision regarding enforcement actions taken that would affect its certification status.

(2) For actions affecting a lab's certification status, the appeal must be in writing and submitted within thirty days of the receipt of the enforcement action. The SCA will be responsible for adjudication of the appeal.

(3) A decision by the SCA may be appealed in writing to the secretary of the department for adjudication. Adjudication procedures for a final appeal shall be in accordance with chapter

34.05 RCW.

[Statutory Authority: RCW 43.20.050. 92-15-152 (Order 290B), § 246-390-100, filed 7/22/92, effective 8/22/92.]

NEW SECTION

WAC 246-390-200 Data reporting format. (1) A lab shall report analytical results for public water system compliance samples to the department that are:

- (a) Complete;
- (b) Legible;
- (c) Accurate;
- (d) Valid; and
- (e) Timely.

(2) Until January 1, 2014, analytical reports may be submitted either on a written data report form meeting the requirements of subsection (3) of this section, or by electronic data transfer following the department's schema in Publication No. 331-289, *Electronic Reporting of Drinking Water Quality Monitoring Results*, dated August 2005.

(3) A written data report form must include water system information, sample collection information, and analytical results in the following sequence:

- (a) Laboratory sample number that consists of the

department-assigned three-digit lab identification number followed by a unique five-digit lab assigned identification number for each specific sample;

(b) Water system name, address, and the system's department-assigned identification number;

(c) Water source number for the sample, or appropriate individual source numbers for a blended sample;

(d) The time and date of sample collection for coliform bacteria analysis;

(e) Sample collection location. Distribution system samples must include specific collection locations for each sample reported on the written data report form;

(f) Date received;

(g) Date analyzed;

(h) Date reported;

(i) Name or initials of the analyst and the parameter codes established by ecology for the laboratory method used;

(j) The results, if any, provided by the public water system for chlorine residual measurements recorded by the public water system at the time of sample collection for distribution system coliform samples;

(k) The results, if any, provided by the public water system for fluoride residual measurements recorded at the time of sample collection for a sample that is analyzed by both the public water system and the lab;

(l) The sample analysis results; and

(m) Comments that would aid understanding of the results.

(4) Beginning January 1, 2014, labs shall submit analytical results to the department by electronic data transfer following the department schema in Publication No. 331-289, *Electronic Reporting of Drinking Water Quality Monitoring Results*, dated August 2005.

[]

NEW SECTION

WAC 246-390-300 Reporting data results. (1) A lab reporting analytical results on a written data report form shall report analytical results that are:

(a) Less than the SRL as "less than the SRL," unless the analytical results can be numerically quantified;

(b) Equal to or greater than the SRL as it was numerically quantified.

(2) The SRL for each parameter is listed in Table 1.

Table 1

Analyte Name	NUMBER	UNITS	SRL
1,1 Dichloroethane	0058	mg/L	0.5
1,1 Dichloroethylene	0046	mg/L	0.5
1,1 Dichloropropene	0062	mg/L	0.5
1,1,1 Trichloroethane	0047	mg/L	0.5
1,1,1,2 Tetrachloroethane	0072	mg/L	0.5
1,1,2 Trichloroethane	0067	mg/L	0.5

1,1,2,2 Tetrachloroethane	0080	mg/L	0.5
1,2 Dichlorobenzene	0084	mg/L	0.5
1,2 Dichloroethane	0050	mg/L	0.5
1,2 Dichloropropane	0063	mg/L	0.5
1,2,3 Trichlorobenzene	0098	mg/L	0.5
1,2,3 Trichloropropane	0079	mg/L	0.5
1,2,4 Trichlorobenzene	0095	mg/L	0.5
1,2,4 Trimethylbenzene	0091	mg/L	0.5
1,3 Dichloropropane	0070	mg/L	0.5
1,3 Dichloropropene	0154	mg/L	0.5
1,3,5 Trimethylbenzene	0089	mg/L	0.5
1,4 Dichlorobenzene	0052	mg/L	0.5
2- Chloronaphthalene	0295	mg/L	0.2
2- Methylnaphthalene	0325	mg/L	0.2
2,2 Dichloropropane	0059	mg/L	0.5
2,3,7,8 TCDD (dioxin)	0149	mg/L	-
2,4 - D	0037	mg/L	0.5
2,4 DB	0135	mg/L	1
2,4 Dichlorophenol	0276	mg/L	0.2
2,4,5 T	0136	mg/L	0.4
2,4,5 TP (Silvex)	0038	mg/L	1
2,4,6 Trichlorophenol	0275	mg/L	0.2
3- Hydroxycarbofuran	0141	mg/L	2
3- Methylchloranthrene	0296	mg/L	0.2
3,5 Dichlorbenzoic Acid	0226	mg/L	0.5
4- Bromophenyl Phenyl Ether	0297	mg/L	0.2
4- Chloro 3- Methylphenol	0277	mg/L	0.2
4- Chlorophenyl Phenyl Ether	0298	mg/L	0.2
4- Nitrophenol	0228	mg/L	0.5
4,4 DDD	0232	mg/L	0.1
4,4 DDE	0233	mg/L	0.1
4,4 DDT	0234	mg/L	0.1

5- Hydroxydicamba	0227	mg/L	0.3
Acenaphthene	0245	mg/L	0.2
Acenaphthylene	0244	mg/L	0.2
Acifluorfen	0223	mg/L	2
Alachlor	0117	mg/L	0.4
Aldicarb	0142	mg/L	1
Aldicarb Sulfone	0143	mg/L	0.7
Aldicarb Sulfoxide	0144	mg/L	1.8
Aldrin	0118	mg/L	0.1
Alkalinity-Field	0422	mg/L	5
Alkalinity-Lab	0403	mg/L	5
Aluminum	0402	mg/L	0.05
Ametryn	0196	mg/L	-
Ammonia	0406	mg/L	1
Amtryne	0303	mg/L	0.2
Anthracene	0246	mg/L	0.2
Antimony	0112	mg/L	0.006
Arochlor 1016	0180	mg/L	0.4
Arochlor 1221	0173	mg/L	100
Arochlor 1232	0174	mg/L	2.5
Arochlor 1242	0175	mg/L	1.5
Arochlor 1248	0176	mg/L	0.5
Arochlor 1254	0177	mg/L	0.5
Arochlor 1260	0178	mg/L	1
Arsenic	0004	mg/L	0.003
Asbestos	0115	Million Fibers/L	1.4
Atraton	0197	mg/L	0.5
Atrazine	0119	mg/L	0.5
Barium	0005	mg/L	0.4
Baygon	0326	mg/L	1
Benefin	0304	mg/L	0.2
Bentazon	0220	mg/L	0.5

Benzene	0049	mg/L	0.5
Benzo (a) Anthracene	0247	mg/L	0.2
Benzo (a) Pyrene	0120	mg/L	0.04
Benzo (b) Fluoroanthene	0248	mg/L	0.2
Benzo (g,h,i) Perylene	0249	mg/L	0.2
Benzo (k) Fluoroanthene	0250	mg/L	0.2
Benzyl Butyl Phthalate	0258	mg/L	0.6
Beryllium	0110	mg/L	0.0008
BHC (alpha)	0299	mg/L	2
BHC (beta)	0300	mg/L	0.1
BHC (delta)	0301	mg/L	0.1
Bromacil	0179	mg/L	0.2
Bromate	0419	mg/L	0.005
Bromide	0420	mg/L	0.07
Bromobenzene	0078	mg/L	0.5
Bromochloroacetic Acid	0417	mg/L	1
Bromochloromethane	0086	mg/L	0.5
Bromodichloromethane	0028	mg/L	0.5
Bromoform	0030	mg/L	0.6
Bromomethane	0054	mg/L	0.5
Butachlor	0121	mg/L	0.4
Butylate	0198	mg/L	0.2
Cadmium	0006	mg/L	0.002
Calcium	0405	mg/L	0.05
Carbaryl	0145	mg/L	2
Carbofuran	0146	mg/L	2
Carbofuran (screening)	0229	mg/L	0.2
Carbon Tetrachloride	0048	mg/L	0.5
Carboxin	0199	mg/L	-
Cesium 134	0107	pCi/L	10
Chloramben	0224	mg/L	0.2
Chloramines	0410	mg/L	-

Chlordane (alpha)	0167	mg/L	0.2
Chlordane (gamma)	0168	mg/L	0.2
Chlordane (total)	0122	mg/L	0.4
Chloride	0021	mg/L	20
Chlorine Dioxide	0407	mg/L	0.8
Chlorite	0418	mg/L	0.05
Chlorobenzene	0071	mg/L	0.5
Chloroethane	0055	mg/L	0.5
Chloroform	0027	mg/L	0.25
Chloromethane	0053	mg/L	0.5
Chlorpropham	0200	mg/L	0.5
Chromium	0007	mg/L	0.02
Chrysene	0251	mg/L	0.2
Cis- 1,2 Dichloroethylene	0060	mg/L	0.5
Cis- 1,3 Dichloropropene	0065	mg/L	0.5
Cis- Norachlor	0169	mg/L	0.2
Color	0018	Color Units	15
Conductivity	0016	Micromhos per centimeter	70
Copper	0023	mg/L	0.02
Cyanazine	0236	mg/L	0.2
Cyanide	0116	mg/L	0.01
Cycloate	0201	mg/L	0.3
Dalapon	0137	mg/L	5
DBCP	0103	mg/L	0.04
DCPA Acid Metabolites	0225	mg/L	0.1
Di (Ethylhexyl) Adipate	0124	mg/L	1.3
Di (Ethylhexyl) Phthalate	0125	mg/L	1.3
Diazinon	0202	mg/L	0.2
Dibenzo (a,h) Anthracene	0252	mg/L	0.2
Dibenzofuran	0310	mg/L	0.2
Dibromoacetic Acid	0415	mg/L	1

Dibromochloromethane	0029	mg/L	1.5
Dibromomethane	0064	mg/L	0.5
Dicamba	0138	mg/L	0.2
Dichloroacetic Acid	0412	mg/L	1
Dichlorobenzene	0158	mg/L	-
Dichlorodifluoromethane	0104	mg/L	0.5
Dichlorprop	0221	mg/L	0.5
Dichlorvos	0203	mg/L	-
Dieldrin	0123	mg/L	0.1
Diesel (as straight alka chain)	0311	mg/L	0.2
Diethyl Phthalate	0260	mg/L	0.6
Dimethoate	0286	mg/L	0.2
Dimethyl Phthalate	0261	mg/L	0.6
Di-n-butyl Phthalate	0259	mg/L	0.6
Dinoseb	0139	mg/L	1
Diphenamid	0204	mg/L	-
Diphenylamine	0312	mg/L	0.2
Diquat	0150	mg/L	2
Disulfoton	0205	mg/L	0.3
Disulfoton Sulfone	0206	mg/L	-
Disulfoton Sulfoxide (a)	0207	mg/L	0.4
E. Coli	0003	Per 100 mL	-
EDB (Ethylene Dibromide)	0102	mg/L	0.02
Endosulfan J	0238	mg/L	0.1
Endosulfan II	0316	mg/L	0.1
Endosulfan Sulfate	0314	mg/L	0.1
Endothal	0151	mg/L	20
Endrin	0033	mg/L	0.05
Endrin Aldehyde	0315	mg/L	0.1
EPN	0313	mg/L	0.2
EPTC	0208	mg/L	0.3
Ethoprop	0209	mg/L	0.2

Ethylbenzene	0073	mg/L	0.5
Fecal coliform	0002	Per 100 mL	-
Fenamiphos	0210	mg/L	-
Fenarimol	0211	mg/L	-
Fluoranthene	0253	mg/L	0.2
Fluorene	0254	mg/L	0.2
Fluoride	0019	mg/L	0.5
Fluridone	0212	mg/L	-
Glyphosate	0152	mg/L	13
Gross Alpha	0165	pCi/L	3
Gross Alpha (Minus Uranium)	0041	pCi/L	-
Gross Beta	0042	pCi/L	4
HAA(5)	0416	mg/L	15
Hardness	0015	mg/L	10
Heptachlor	0126	mg/L	0.09
Heptachlor Epoxide	0127	mg/L	0.1
Heptachlor Epoxide (a)	0319	mg/L	0.04
Heptachlor Epoxide (b)	0230	mg/L	0.04
Heterotrophic plate count (hpc)	0101	Colony Forming Units per mL	-
Hexachlorobenzene	0128	mg/L	0.5
Hexachlorobutadiene	0097	mg/L	0.5
Hexachlorocyclo Pentadiene	0129	mg/L	0.5
Hexachloroethane	0318	mg/L	0.2
Hexazinone	0213	mg/L	-
Inactivation ratio	0099	No UOM Specified	-
Indeno (1,2,3-cd) Pyrene	0255	mg/L	0.2
Iodine 131	0108	pCi/L	1
Iron	0008	mg/L	0.1
Isodrin	0321	mg/L	0.2
Isophorone	0290	mg/L	0.2
Isopropalin	0322	mg/L	0.2

Isopropylbenzene	0087	mg/L	0.5
Isosafrole	0323	mg/L	0.2
Lead	0009	mg/L	0.001
Lindane (bhc - gamma)	0034	mg/L	0.04
M- dichlorobenzene	0083	mg/L	0.5
M/P Xylenes (mcl for total)	0074	mg/L	0.5
Magnesium	0404	mg/L	0.1
Malathion	0239	mg/L	0.2
Manganese	0010	mg/L	0.01
Maximum TTHM potential	0032	mg/L	20
Mercury	0011	mg/L	0.0004
Merphos	0214	mg/L	0.5
Methiocarb	0327	mg/L	4
Methomyl	0147	mg/L	4
Methoxychlor	0035	mg/L	10
Methyl Paraoxon	0215	mg/L	-
Methylene Chloride (Dichloromethane)	0056	mg/L	0.5
Methylparathion	0271	mg/L	0.2
Metolachlor	0130	mg/L	1
Metribuzin	0131	mg/L	0.2
Mevinphos	0216	mg/L	-
MGK-264	0217	mg/L	0.5
Molinate	0218	mg/L	0.2
Monobromoacetic Acid	0414	mg/L	1
Monochloroacetic Acid	0411	mg/L	2
Naorflurazon	0181	mg/L	-
Naphthalene	0096	mg/L	0.5
Napropamide	0219	mg/L	0.3
N-Butylbenzene	0094	mg/L	0.5
Nickel	0111	mg/L	0.1
Nitrate-n	0020	mg/L	0.2
Nitrite-n	0114	mg/L	0.2

N-Nitrosodi-N-Propylamine	0324	mg/L	0.2
Norflurazon	0273	mg/L	0.2
N-Propylbenzene	0088	mg/L	0.5
O- Chlorotoluene	0081	mg/L	0.5
O- Xylene (MCL for total)	0075	mg/L	0.5
Orthophosphate	0171	mg/L	0.1
Oxadiazon	0268	mg/L	0.2
Oxamyl	0148	mg/L	10
Oxyfluorfen	0269	mg/L	0.2
Ozone	0408	mg/L	0.2
P- Chlorotoluene	0082	mg/L	0.5
Paraquat	0400	mg/L	0.8
Parathion	0240	mg/L	0.2
PCB (as Decachlorobiphenyl)	0401	mg/L	0.5
PCB (as total Arochlors)	0153	mg/L	0.5
Pebulate	0182	mg/L	-
Pendamethalin	0274	mg/L	0.2
Pentachlorobiphenyl	0292	mg/L	-
Pentachloronitrobenzene	0270	mg/L	0.2
Pentachlorophenol	0134	mg/L	0.2
pH	0409	pH Units	-
Phenanthrene	0256	mg/L	0.2
Picloram	0140	mg/L	0.5
P-Isopropyltoluene	0093	mg/L	0.5
Profluralin	0278	mg/L	0.2
Prometon	0183	mg/L	0.2
Prometryn	0184	mg/L	0.2
Pronamide	0185	mg/L	-
Propachlor	0132	mg/L	0.1
Propazine	0186	mg/L	-
Propyzamide	0279	mg/L	0.2
Pyrene	0257	mg/L	0.2

Radium 226	0039	pCi/L	1
Radium 226 + 228	0040	pCi/L	-
Radium 228	0166	pCi/L	1
Radon	0109	pCi/L	-
Residual chlorine	0100	mg/L	2
Safrole	0280	mg/L	0.2
Sec- Butylbenzene	0092	mg/L	0.5
Selenium	0012	mg/L	0.01
Silica	0172	mg/L	1
Silver	0013	mg/L	0.1
Simazine	0133	mg/L	0.1
Simetryn	0187	mg/L	-
Sodium	0014	mg/L	5
Stirofos	0188	mg/L	0.2
Strontium 89	0106	pCi/L	10
Strontium 90	0044	pCi/L	2
Styrene	0076	mg/L	0.5
Sulfate	0022	mg/L	50
Sulfotepp	0282	mg/L	0.2
TDS-total dissolved solids	0026	mg/L	100
Tebuthiuron	0189	mg/L	-
Terbacil	0190	mg/L	0.2
Terbtryn	0192	mg/L	-
Terbufosa (a)	0191	mg/L	-
Terbuphos	0283	mg/L	-
Tert- Butylbenzene	0090	mg/L	0.5
Tetrachloroethylene	0068	mg/L	0.5
Thallium	0113	mg/L	0.002
Thiobencarb	0294	mg/L	0.2
Toluene	0066	mg/L	0.5
Total coliform	0001	Per 100 mL	-
Total DCPA	0222	mg/L	1

Total nitrate/nitrite	0161	mg/L	0.5
Total organic carbon	0421	mg/L	0.7
Total Trihalomethane	0031	mg/L	-
Total Xylenes	0160	mg/L	0.5
Toxaphene	0036	mg/L	2
Trans- 1,2 Dichloroethylene	0057	mg/L	0.5
Trans- 1,3 Dichloropropene	0069	mg/L	0.5
Trans- Norachlor	0170	mg/L	0.2
Triademefon	0193	mg/L	-
Trichloroacetic Acid	0413	mg/L	1
Trichloroethylene	0051	mg/L	0.5
Trichlorofluoromethane	0085	mg/L	0.5
Tricyclazole	0194	mg/L	-
Trifluralin	0243	mg/L	0.2
Tritium	0043	pCi/L	-
Turbidity	0017	NTU	0.1
Uranium	0105	µg/L	1
Vemolate	0195	mg/L	-
Vernolate	0284	mg/L	0.2
Vinyl Chloride	0045	mg/L	0.5
Zinc	0024	mg/L	0.2

(3) A lab reporting analytical results by electronic data transfer shall report analytical results as:

(a) Less than the MDL as "less than the MDL";

(b) Equal to or greater than the MDL, and less than the LRL, as a number and identified as an estimate (flagged); or

(c) Equal to or greater than the LRL as it was numerically quantified.

[]

NEW SECTION

WAC 246-390-400 Composite samples. (1) A lab may prepare a composite sample for analysis when requested by a public water system or satellite system management agency under chapter 246-295 WAC.

(2) A lab shall not composite more than five samples together.

(3) A lab shall not composite individual samples that would dilute the analyzed sample below the LRL.

[]

NEW SECTION

WAC 246-390-500 Data reporting timeline. (1) A lab that submits data on a written data report form shall submit the form to both the public water system and the department, postmarked no later than seven calendar days from the date of the analysis.

(2) A lab that submits data using electronic data transfer shall submit data that are time and date stamped no later than seven calendar days from the date of the analysis.

(3) Routine microbiological sample results that are coliform bacteria present shall be reported by telephone or facsimile as soon as possible, but no later than the close of the business day, under table 2.

Table 2

Notify	Routine Microbiological Sample Results		
	Total Coliform Present	Fecal Coliform Present	<i>E. coli</i> Present
Public Water System	X	X	X
Department		X	X

(4) When a routine sample result is total coliform present and *E. coli* absent, and the public water system submits a repeat sample, a lab shall report repeat microbiological sample results by telephone or facsimile as soon as possible, but not later than the close of the business day under Table 3.

Table 3

Notify	Repeat Microbiological Sample Results after a Routine Total Coliform Present Sample			<i>E. coli</i> Present
	Total Coliform Absent	Total Coliform Present	Fecal Coliform Present	
Public Water System	X	X	X	X
Department			X	X

(5) If a routine microbiological sample result is fecal coliform or *E. coli* present, and the public water system submits a repeat sample, a lab shall report repeat microbiological sample results by telephone or facsimile as soon as possible, but not later than the close of the business day to the public water system and the department.

(6) A lab shall notify the public water system by telephone or facsimile before the close of the business day when a routine or confirmation sample for inorganic, organic, or radiological contaminants regulated under chapter 246-290 WAC exceeds the contaminant's primary MCL.

(7) A lab shall notify the public water system and the department by telephone or facsimile before the close of the business day when:

(a) A routine or confirmation sample for inorganic, organic, or radiological contaminants regulated under chapter 246-290 WAC

exceeds four times the contaminant's primary MCL; or

(b) A routine or confirmation sample exceeds the nitrate or nitrite MCL regulated under chapter 246-290 WAC.

(8) A lab shall document its attempt to notify the public water system and the department by recording on a log sheet kept in a log book for a minimum of two years after the last entry date. For each attempted contact, record the following information:

(a) Date;

(b) Time;

(c) Sample number;

(d) Public water system name and department-assigned identification number;

(e) The specific department's regional or headquarters office that the lab contacted or attempted to contact;

(f) Telephone or facsimile number; and

(g) Initials of the lab person that made the call, or left a message.

(9) A lab shall provide the department a copy of the log sheet(s) upon request.

[]

NEW SECTION

WAC 246-390-600 Reporting subcontracting lab data results.

(1) The contracting lab shall confirm that the subcontracting lab is certified under chapter 173-50 WAC to perform drinking water analyses.

(2) When submitting a written data report form to the department, a contracting lab shall attach all written subcontracting lab data report forms and submit to the department.

(3) When submitting data to the department using electronic data transfer, a contracting lab shall submit the subcontracting lab identification number and sample number for each parameter analyzed.

[]

NEW SECTION

WAC 246-390-700 Enforcement. (1) When a lab fails to comply with this chapter, the department may issue any one, or a combination of the following:

(a) Informal letter instructing or requiring appropriate corrective measures;

(b) Notice of violation instructing or requiring appropriate corrective measures;

(c) Compliance schedule of specific actions necessary to achieve compliance;

(d) Departmental order requiring specific actions or ceasing unacceptable activities within a designated time period.

(2) If a lab fails to comply with an enforcement action as specified in subsection (1) of this section, the department may:

(a) Initiate suspension of a lab's drinking water certification status for a period of not less than one year; or

(b) Initiate revocation of a lab's certification status for drinking water analysis for an unspecified period of time; and

(c) Remove the lab from the department-approved list of labs certified for drinking water analyses.

(3) When the department confirms a willful violation of this chapter, the state attorney general or local prosecutor may take either civil or criminal action against the lab, depending on the nature and severity of the violation.

[]

NEW SECTION

The following section of the Washington Administrative Code is recodified as follows:

Old WAC Number	New WAC Number
246-390-100	246-390-800

REPEALER

The following sections of the Washington Administrative Code are repealed:

WAC 246-390-020	Requirement for certification.
WAC 246-390-030	Certification.
WAC 246-390-040	Provisional certification.
WAC 246-390-050	Revoking or denying certification.
WAC 246-390-060	Reciprocity.
WAC 246-390-070	Third-party certification.
WAC 246-390-990	Fees.