WAC 246-390-075 Reporting. (1) A lab shall report analytical results to the department and the public water system.

(2) A lab submitting paper reports shall complete and submit to the department data reports following the procedures and templates in the department's *Laboratory Reporting Guidance*, Publication DOH 331-530, April 2025.

(3) A lab submitting electronic reports shall complete and submit to the department data reports following the procedures in the department's *Electronic Reporting Guidance*, Publication 331-289, April 2025.

(4) Labs shall submit reports to the public water system in the format and time frame that was agreed upon when executing the service agreement between the laboratory and the public water system.

(5) Labs shall submit reports of acute contaminant results within 10 business days after receiving the sample.

(6) Labs shall submit reports of chronic contaminants within 30 calendar days after receiving the sample.

(7) Analytical results must be complete, legible, and accurate.

(8) A lab shall report numerical results consistent with the accuracy of the EPA-approved methods and any associated lab instruments, glassware, or tools.

(9) A lab shall report numerical results out to, but not exceed, one decimal place past the SDRL in cases where the last definitely known digit exceeds one decimal place past the SDRL as follows:

(a) If the digit 5, 6, 7, 8, or 9 is dropped, increase the preceding digit by one unit;

(b) If the digit 0, 1, 2, 3, or 4 is dropped, do not alter the preceding digit; or

(c) If the SDRL is 1.1 and the result, out to the last definitely known digit is 1.13, then the value reported to the department is 1.1. If the result is 1.15, then the value reported to the department is 1.2.

(10) A lab shall include the following data qualifiers adjacent to the results that are affected:

(a) "B" - This data qualifier is used when the target contaminant is detected in the method blank above the lab's established MRL or SDRL, whichever is lower;

(b) "J" - This data qualifier is used when the result is an estimated concentration per subsections (13), (14), and (17) of this section;

(c) "NDDS" - This data qualifier is used when the contaminant is not detected in duplicate sample; or

(d) "U" - This data qualifier is used when the radiochemistry contaminant is not detected at or above the lab's established MDA.

(11) A lab shall notate on the report to the public water system and the department when any analysis is completed using a provisional accreditation.

(12) At the department's request, a lab shall submit the following information:

(a) The method specific QC for any given analytical report.

(b) The most recent MDL procedures performed for any given contaminant.

(c) The most recent PT study performed for any given contaminant.

(13) The SDRLs for organic chemical contaminants are established in Tables 3 and 7 of this section. All contaminants in Tables 3 and 7 are considered chronic contaminants.

(a) Labs shall provide a copy of the method specific QC results at the request of the department.

(b) A lab shall report organic chemical contaminant results when the lab's established MRL is greater than the SDRL as follows:

(i) "Nondetect" or "ND" when a lab's result is less than the SDRL and MRL;

(ii) An estimated concentration, notated with a "J" data qualifier when a result is equal to or greater than the SDRL, but less than the lab's established MRL;

(iii) A number when a result is equal to or greater than the lab's established MRL.

(c) A lab shall report organic chemical contaminant results when the lab's established MRL is less than the SDRL as follows:

(i) "Nondetect" or "ND" when a lab's result is less than the lab's established MRL;

(ii) "Nondetect" or "ND" when a lab's result is less than the established SDRL; or

(iii) A number when a result is equal to or greater than the SDRL.

(d) A lab shall report organic chemical contaminant results when their established MRL is equal to the SDRL as:

(i) "Nondetect" or "ND" when a lab's result is less than the SDRL and MRL; or

(ii) A number when a result is equal to or greater than the SDRL and the lab's established MRL.

Table 3 - Organic Contaminants

Contaminant Name	Contaminant Number	Units	SDRL
1,1 Dichloroethane	0058	µg/L	0.5
1,1 Dichloroethylene	0046	µg/L	0.5
1,1 Dichloropropene	0062	µg/L	0.5
1,1,1 Trichloroethane	0047	µg/L	0.5
1,1,1,2 Tetrachloroethane	0072	µg/L	0.5
1,1,2 Trichloroethane	0067	µg/L	0.5
1,1,2,2 Tetrachloroethane	0080	µg/L	0.5
1,2 Dichlorobenzene	0084	µg/L	0.5
1,2 Dichloroethane	0050	µg/L	0.5
1,2 Dichloropropane	0063	µg/L	0.5
1,2,3 Trichlorobenzene	0098	µg/L	0.5
1,2,3 Trichloropropane	0079	µg/L	0.5
1,2,4 Trichlorobenzene	0095	µg/L	0.5
1,2,4 Trimethylbenzene	0091	µg/L	0.5
1,3 Dichloropropane	0070	µg/L	0.5
1,3 Dichloropropene	0154	µg/L	0.5
1,3,5 Trimethylbenzene	0089	µg/L	0.5
1,4 Dichlorobenzene	0052	µg/L	0.5
2,2 Dichloropropane	0059	µg/L	0.5
2,3,7,8 TCDD (dioxin)	0149	ng/L	0.005
2,4 D	0037	µg/L	0.1
2,4 DB	0135	µg/L	1
2,4,5 T	0136	µg/L	0.4
2,4,5 TP (Silvex)	0038	µg/L	0.2
3,5 Dichlorbenzoic Acid	0226	µg/L	0.5

Contaminant Name	Contaminant Number	Units	SDRL
4,4 DDD	0232	µg/L	0.1
4,4 DDE	0233	µg/L	0.1
4,4 DDT	0234	µg/L	0.1
Acenaphthylene	0244	µg/L	0.2
Acifluorfen	0223	µg/L	2
Alachlor	0117	µg/L	0.2
Aldicarb	0142	µg/L	0.5
Aldicarb Sulfone	0143	µg/L	0.8
Aldicarb Sulfoxide	0144	µg/L	0.5
Aldrin	0118	µg/L	0.1
Anthracene	0246	µg/L	0.2
Arochlor 1016	0180	µg/L	0.08
Arochlor 1221	0173	µg/L	20
Arochlor 1232	0174	µg/L	0.5
Arochlor 1242	0175	µg/L	0.3
Arochlor 1248	0176	µg/L	0.1
Arochlor 1254	0177	µg/L	0.1
Arochlor 1260	0178	µg/L	0.2
Atrazine	0119	µg/L	0.1
Bentazon	0220	µg/L	0.5
Benzene	0049	µg/L	0.5
Benzo (a) anthracene	0247	µg/L	0.2
Benzo (a) Pyrene	0120	µg/L	0.02
Benzo (b) fluoroanthene	0248	µg/L	0.2
Benzo (k) fluoranthene	0250	µg/L	0.2
Benzyl Butyl Phthalate	0258	µg/L	1.0
Bromacil	0179	µg/L	0.1
Bromobenzene	0078	µg/L	0.5
Bromochloromethane	0086	µg/L	0.5
Bromodichloromethane	0028	µg/L	0.5
Bromoform	0030	µg/L	0.5
Bromomethane	0054	µg/L	0.5
Butachlor	0121	µg/L	0.1
Carbaryl	0145	µg/L	2
Carbofuran	0146	µg/L	0.9
Carbon Tetrachloride	0048	µg/L	0.5
Chlordane (total)	0122	µg/L	0.2
Chlorobenzene	0071	µg/L	0.5
Chloroethane	0055	µg/L	0.5
Chloroform	0027	µg/L	0.5
Chloromethane	0053	µg/L	0.5
Chrysene	0251	µg/L	0.2
Cis- 1,2 Dichloroethylene	0060	µg/L	0.5
Cis- 1,3 Dichloropropene	0065	µg/L	0.5
Dalapon	0137	µg/L	1
DBCP	0103	µg/L	0.02

Contaminant Name	Contaminant Number	Units	SDRL
DBCP (screening)	0428	µg/L	0.5
DCPA Acid Metabolites	0225	µg/L	0.1
Di (2-Ethylhexyl) Adipate	0124	µg/L	0.6
Di (2-Ethylhexyl) Phthalate	0125	µg/L	0.6
Dibromoacetic Acid	0415	µg/L	1
Dibromochloromethane	0029	µg/L	0.5
Dibromomethane	0064	µg/L	0.5
Dicamba	0138	µg/L	0.2
Dichloroacetic Acid	0412	µg/L	1
Dichlorodifluoromethane	0104	µg/L	0.5
Dichlorprop	0221	µg/L	0.5
Dieldrin	0123	µg/L	0.1
Diethyl Phthalate	0260	µg/L	1.0
Dimethyl Phthalate	0261	µg/L	1.0
Di-n-butyl Phthalate	0259	µg/L	1.0
Dinoseb	0139	µg/L	0.2
Diquat	0150	µg/L	0.4
EDB	0102	µg/L	0.01
EDB (screening)	0427	µg/L	0.5
Endothal	0151	µg/L	9
Endrin	0033	µg/L	0.01
EPTC	0208	µg/L	0.1
Ethylbenzene	0073	µg/L	0.5
Fluorene	0254	µg/L	0.2
Glyphosate	0152	µg/L	6
HAA(5)	0416	µg/L	+
Heptachlor	0126	µg/L	0.04
Heptachlor Epoxide	0127	µg/L	0.02
Hexachlorobenzene	0128	µg/L	0.1
Hexachlorobutadiene	0097	µg/L	0.5
Hexachlorocyclo pentadiene	0129	µg/L	0.1
Isopropylbenzene	0087	µg/L	0.5
Lindane (bhc - gamma)	0034	µg/L	0.02
M- dichlorobenzene	0083	µg/L	0.5
M/P Xylenes (MCL for total)	0074	µg/L	0.5
Methomyl	0147	µg/L	4
Methoxychlor	0035	µg/L	0.1
Methylene Chloride (Dichloromethane)	0056	µg/L	0.5
Metolachlor	0130	µg/L	0.1
Metribuzin	0131	µg/L	0.1
Molinate	0218	µg/L	0.1
Monobromoacetic Acid	0414	µg/L	1
Monochloroacetic Acid	0411	µg/L	2
Naphthalene	0096	µg/L	0.5
N-Butylbenzene	0094	µg/L	0.5
N-Propylbenzene	0088	µg/L	0.5

Contaminant Name	Contaminant Number	Units	SDRL
O- Chlorotoluene	0081	µg/L	0.5
O- Xylene (MCL for total)	0075	µg/L	0.5
Oxamyl	0148	µg/L	2
P- Chlorotoluene	0082	µg/L	0.5
Paraquat	0400	µg/L	0.8
PCB (as Decachlorobiphenyl)	0401	µg/L	0.1
Pentachlorophenol	0134	µg/L	0.04
Phenanthrene	0256	µg/L	0.2
Picloram	0140	µg/L	0.1
P-Isopropyltoluene	0093	µg/L	0.5
Propachlor	0132	µg/L	0.1
Pyrene	0257	µg/L	0.2
Sec- Butylbenzene	0092	µg/L	0.5
Simazine	0133	µg/L	0.07
Styrene	0076	µg/L	0.5
Terbacil	0190	µg/L	0.1
Tert- Butylbenzene	0090	µg/L	0.5
Tetrachloroethylene	0068	µg/L	0.5
Toluene	0066	µg/L	0.5
Total organic carbon	0421	mg/L	0.7
Total Trihalomethane	0031	µg/L	+
Total Xylenes	0160	µg/L	0.5
Toxaphene	0036	µg/L	1
Trans- 1,2 Dichloroethylene	0057	µg/L	0.5
Trans- 1,3 Dichloropropene	0069	µg/L	0.5
Trichloroacetic Acid	0413	µg/L	1
Trichloroethylene	0051	µg/L	0.5
Trichlorofluoromethane	0085	µg/L	0.5
Trifluralin	0243	µg/L	0.1
Vinyl Chloride	0045	µg/L	0.5

+ Results are calculated values based on other analytical results.

(14) The SDRLs for inorganic chemical contaminants are established in Table 4 of this section. All contaminants in Table 4 are considered chronic contaminants except annual, quarterly, or monthly nitrate analysis which is considered an acute contaminant. Labs shall report analytical results within 10 business days after receiving the nitrate sample. If nitrate analysis is part of a routine complete inorganic compound panel, then labs shall submit a report to the department within 30 calendar days after receiving the sample.

(a) Labs shall provide a copy of the method specific QC results at the request of the department.

(b) A lab shall report inorganic chemical contaminant results when the lab's established MRL is greater than the SDRL as follows:

(i) "Nondetect" or "ND" when a lab's result is less than the SDRL and MRL;

(ii) An estimated concentration, notated with a "J" data qualifier, when a result is equal to or greater than the SDRL, but less than the lab's established MRL; or

(iii) A number when a result is equal to or greater than the lab's established MRL.

(c) A lab shall report inorganic chemical contaminant results when the lab's established MRL is less than the SDRL as follows:

(i) "Nondetect" or "ND" when a lab's result is less than the lab's established MRL;

(ii) "Nondetect" or "ND" when a lab's result is less than the department's established SDRL, but greater than the lab's established MRL; or

(iii) A number when a result is equal to or greater than the SDRL.

(d) A lab shall report inorganic chemical contaminant results when the lab's established MRL is equal to the SDRL as:

(i) "Nondetect" or "ND" when a lab's result is less than the SDRL and MRL; or

(ii) A number when a result is equal to or greater than the SDRL and the lab's established MRL.

Table 4 - Inorganic Contaminants

Contaminant Name	Contaminant Number	Units	SDRL
Alkalinity-Lab	0403	mg/L	5
Antimony	0112	mg/L	0.003
Arsenic	0004	mg/L	0.001
Asbestos	0115	MFL	0.20
Barium	0005	mg/L	0.1
Beryllium	0110	mg/L	0.0003
Bromate	0419	mg/L	0.005/0.001
Cadmium	0006	mg/L	0.001
Chloride	0021	mg/L	2
Chlorite	0418	mg/L	0.02
Chromium	0007	mg/L	0.007
Color	0018	CU	15
Conductivity	0016	µmhos/cm	70
Copper	0023	mg/L	0.02
Cyanide	0116	mg/L	0.05
Fluoride	0019	mg/L	0.2
Hardness	0015	mg/L	10
Iron	0008	mg/L	0.1
Lead	0009	mg/L	0.001
Manganese	0010	mg/L	0.01
Mercury	0011	mg/L	0.0002
Nickel	0111	mg/L	0.005
Nitrate-n	0020	mg/L	0.5
Nitrite-n	0114	mg/L	0.1
Selenium	0012	mg/L	0.002
Silver	0013	mg/L	0.1
Sodium	0014	mg/L	5
Sulfate	0022	mg/L	2
TDS-total dissolved solids	0026	mg/L	100
Thallium	0113	mg/L	0.001

Contaminant Name	Contaminant Number	Units	SDRL
Total nitrate/nitrite	0161	mg/L	0.5
Turbidity	0017	NTU	0.1
Zinc	0024	mg/L	0.2

Labs that use EPA Methods 317.0, 326.0 or 321.8 must meet a 0.0010 mg/L SDRL for bromate.

(15) The SDRLs for radiochemistry contaminants are established in Table 5 of this section. All contaminants in Table 5 are considered chronic contaminants.

(a) A lab's MDA must meet the established SDRL levels for the analysis to be considered for compliance purposes.

(b) A lab shall report radiochemistry contaminant results as:

(i) A number and a "U" qualifier if the contaminant was analyzed for, but not detected at or above the lab's established MDA; or

(ii) A number when a result is equal to or greater than the lab's established MDA.

Table 5 - Radiochemistry Contaminants

Contaminant Name	Contaminant Number	Units	SDRL
Cesium 134	0107	pCi/L	10.0
Gross Alpha	0165	pCi/L	3.0
Gross Alpha (Minus Uranium)	0041	pCi/L	+
Gross Beta	0042	pCi/L	4.0
Iodine 131	0108	pCi/L	1.0
Radium 226	0039	pCi/L	1.0
Radium 226 + 228	0040	pCi/L	+
Radium 228	0166	pCi/L	1.0
Radon	0109	pCi/L	+
Strontium 90	0044	pCi/L	2.0
Tritium	0043	pCi/L	1000
Uranium	0105	µg/L	1.0

+ Results are calculated values based on other analytical results.

(16) The units for microbiology contaminants are established in Table 6 of this section. All contaminants in Table 6 are considered acute contaminants.

(a) Total coliform and *E. coli* results for routine and repeat samples in accordance with 40 C.F.R. 141 Subpart Y - Revised Total Coliform Rule, GWR triggered, and GWR assessment source sample results that are absent or present as follows:

(i) "Satisfactory" if no total coliforms are detected.

(ii) "Unsatisfactory" if:

(A) Total coliforms are detected; and

(B) *E. coli* absent if *E. coli* is not detected; or

(C) *E. coli* present if *E. coli* is detected.

(b) A lab shall report routine filtered and unfiltered surface water microbiology contaminant results as a number.

(c) A lab shall report routine heterotrophic plate count results as a number.

(d) A lab shall report results of investigative samples or samples collected for information only to the public water system for total coliforms, fecal coliforms, and *E. coli* as a number or, as absent or present. Investigative samples or samples collected for information only are not required to be reported to the department.

Table 6 - Microbiology Contaminants

Contaminant Name	Contaminant Number	Units
E. coli (numerical)	0003	CFU/100mL
E. coli (numerical)	0003	MPN/100mL
E. coli (absence/presence)	0003	N/A
Fecal Coliform (numerical)	0002	CFU/100mL
Fecal Coliform (numerical)	0002	MPN/100mL
Fecal Coliform (absence/presence)	0002	N/A
Heterotrophic Plate Count (numerical)	0101	CFU/1mL
Heterotrophic Plate Count (numerical)	0101	MPN/mL
Total Coliform (numerical)	0001	CFU/100mL
Total Coliform (numerical)	0001	MPN/100mL
Total Coliform (absence/presence)	0001	N/A

(17) The SDRLs for per- and polyfluoroalkyl substances (PFAS) are established in Table 7 of this section. All contaminants in Table 7 are considered chronic contaminants.

(a) A lab shall analyze PFAS samples using EPA method 537.1 version 2 (3/20), or EPA method 533.

(b) Labs shall provide a copy of the method specific QC results at the request of the department.

(c) A lab shall report PFAS contaminant results when the lab's established MRL is greater than the SDRL as follows:

(i) "Nondetect" or "ND" when a lab's result is less than the SDRL and MRL;

(ii) An estimated concentration, notated with a "J" data qualifier when a result is equal to or greater than the SDRL, but less than the lab's established MRL; or

(iii) A number when a result is equal to or greater than the lab's established MRL.

(d) A lab shall report PFAS contaminant results when the lab's established MRL is less than the SDRL as follows:

(i) "Nondetect" or "ND" when a lab's result is less than the lab's established MRL;

(ii) "Nondetect" or "ND" when a lab's result is less than the established SDRL; or

(iii) A number when a result is equal to or greater than the SDRL.

(e) A lab shall report PFAS contaminant results when the lab's established MRL is equal to the SDRL as follows:

(i) "Nondetect" or "ND" when a lab's result is less than the SDRL and MRL; or

(ii) A number when a result is equal to or greater than the SDRL and the lab's established MRL.

(f) A lab shall report to the department any tentatively identified compounds (TIC) that are detected while analyzing a PFAS sample if the approved method allows for TIC determinations to be made.

(g) A lab shall provide a copy of the method-specific QC results for any TIC detections that are reported to the department.

Table 7 - Per- and Polyfluoroalkyl Contaminants

Contaminant Name	Contaminant Number	Units	SDRL	[3]Required Contaminant List for EPA 537.1 version 2 (3/20)	[4]Required Contaminant List for EPA 533
(11Cl-PF3OUdS) 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	448	ng/L	2.0	Y	Y
(4:2FTS) 1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	450	ng/L	2.0	N	Y
(6:2FTS) 1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	451	ng/L	2.0	N	Y
(8:2FTS) 1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	452	ng/L	2.0	N	Y
(9Cl-PF3ONS) 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	446	ng/L	2.0	Y	Y
(ADONA) 4,8-Dioxa-3H-perfluorononanoic acid	445	ng/L	2.0	Y	Y
(HFPO-DA) Hexafluoropropylene oxide dimer acid	447	ng/L	2.0	Y	Y
(NEtFOSAA) N-ethyl perfluorooctanesulfonamidoacetic acid	441	ng/L	2.0	Y	N
(NFDHA) Nonafluoro-3,6-dioxaheptanoic acid	453	ng/L	2.0	N	Y
(NMeFOSAA) N-methyl perfluorooctanesulfonamidoacetic acid	442	ng/L	2.0	Y	N
(PFBA) Perfluorobutanoic acid	454	ng/L	2.0	N	Y
(PFBS) Perfluorobutanesulfonic acid	429	ng/L	2.0	Y	Y
(PFDA) Perfluorodecanoic acid	436	ng/L	2.0	Y	Y
(PFDoA) Perfluorododecanoic acid	438	ng/L	2.0	Y	Y
(PFEESA) Perfluoro(2-ethoxyethane)sulfonic acid	460	ng/L	2.0	N	Y
(PFHpA) Perfluoroheptanoic acid	430	ng/L	2.0	Y	Y
(PFHpS) Perfluoroheptanesulfonic acid	455	ng/L	2.0	N	Y
(PFHxA) Perfluorohexanoic acid	435	ng/L	2.0	Y	Y
(PFHxS) Perfluorohexanesulfonic acid	431	ng/L	2.0	Y	Y
(PFMBA) Perfluoro-4-methoxybutanoic acid	456	ng/L	2.0	N	Y
(PFMPA) Perfluoro-3-methoxypropanoic acid	457	ng/L	2.0	N	Y
(PFNA) Perfluorononanoic acid	432	ng/L	2.0	Y	Y
(PFOA) Perfluorooctanoic acid	434	ng/L	2.0	Y	Y
(PFOS) Perfluorooctanesulfonic acid	433	ng/L	2.0	Y	Y
(PFPeA) Perfluoropentanoic acid	458	ng/L	2.0	N	Y
(PFPeS) Perfluoropentanesulfonic acid	459	ng/L	2.0	N	Y
(PFTA) Perfluorotetradecanoic acid	440	ng/L	2.0	Y	N
(PFTrDA) Perfluorotridecanoic acid	439	ng/L	2.0	Y	N
(PFUnA) Perfluoroundecanoic acid	437	ng/L	2.0	Y	Y

[3] For a water system to qualify for a monitoring waiver these contaminants must be reported to the department if analyzing the sample using EPA method 537.1 version 2 (3/20).

[4] For a water system to qualify for a monitoring waiver these contaminants must be reported to the department if analyzing the sample using EPA method 533.

[Statutory Authority: RCW 43.20.050 and 70A.125.080. WSR 25-13-093, s 246-390-075, filed 6/17/25, effective 7/18/25; WSR 21-23-096, § 246-390-075, filed 11/17/21, effective 1/1/22. Statutory Authority: RCW 43.20.050 and 70.119A.080. WSR 18-09-048, § 246-390-075, filed 4/13/18, effective 5/14/18.]