California Environmental Laboratory Accreditation Program (ELAP)

Environmental Laboratory Technical Advisory Committee (ELTAC) Meeting

December 6, 2017

NOTICE OF ENVIRONMENTAL LABORATORY TECHNICAL ADVISORY COMMITTEE (ELTAC) MEETING

December 6, 2017
10:30 a.m. – 4:00 p.m.
(or until completion of business)

Location 1	**Location 2**
California Environmental Protection Agency Building	Metropolitan Water District of Southern California
1001 I Street, Conference Room 2540	700 North Alameda Street, Room US2-145
Sacramento, CA 95814	Los Angeles, CA 90012

The Environmental Laboratory Accreditation Program (ELAP) will host a meeting of its technical advisory committee, as noted above. The notice and agenda for this meeting and others can be found at www.waterboards.ca.gov/elap. For further information regarding this agenda, see below or contact ELAP at elapca@waterboards.ca.gov or (916) 323-3431.

This meeting is available via webcast at https://video.calepa.ca.gov/.

AGENDA

ITEM #1 - Call to Order/Roll Call

ITEM #2 - Public Comments on Items Not on Agenda
(The Committee will not take any action but will consider placing any item raised on the agenda at a future meeting.)

ITEM #3 – Summary of July 13, 2017 Meeting and Approval of Minutes

ITEM #4 – DELAPO Report/Regulations Update

ITEM # 5 – Fields of Accreditation

ITEM # 6 – Stakeholder Fee Workgroup Update

ITEM # 7 – Informational Items

ITEM # 8 – Close

Action may be taken on any item on the agenda. The time and order of agenda items are subject to change at the discretion of the ELTAC Chair and may be taken out of order. The meeting will be adjourned upon completion of the agenda, which may be at a time earlier or later than posted in this notice.

In accordance with the Bagley-Keene Open Meeting Act, all meetings of ELTAC are open to the public.

Government Code section 11125.7 provides the opportunity for the public to address each agenda item during discussion or consideration by ELTAC prior to ELTAC taking any action on said item. Members of the public will be provided appropriate opportunities to comment on any issue before ELTAC, but the ELTAC Chair may, at his or her discretion, apportion available time among those who wish to speak. Individuals may appear before ELTAC to discuss items not on the agenda; however, ELTAC can neither discuss nor take official action on these items at the time of the same meeting [Government Code sections 11125 and 11125.7(a)].

The meeting locations are accessible to the physically disabled. A person who needs a disability-related accommodation or modification in order to participate in the meeting may make a request by contacting Katelyn McCarthy at (916) 322-7902 or emailing katelyn.mccarthy@waterboards.ca.gov. Providing your request at least five business days before the meeting will help to ensure availability of the requested accommodation.

Webcast Information

Webcast	**https://video.calepa.ca.gov/**

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
ELTAC MEETING
Wednesday, December 6, 2017 – 10:30 a.m.
1001 I Street, Conference Room 2540
Sacramento, CA 95814
And
Metropolitan Water District of Southern California
700 North Alameda Street, Room US2-145
Los Angeles, CA 90012

Meeting Agenda

TIME	AGENDA ITEM	PRESENTER(S)
10:30am	**Call to Order** *Objective: Roll call.*	Andy Eaton, *Chairperson*
10:35am	**Public Comments on Items not on Agenda**	Open
10:45am	**Summary of July 13, 2017 Meeting & Approval of Minutes** *Objective: Amend or approve minutes.*	Andy Eaton
10:50am	**Vote for new ELTAC Chairperson** Objective: *Vote for new chairperson.*	Voting members
11:00am	**DELAPO Report** *Objective: Update members on recent developments and activities.*	Christine Sotelo, *DELAPO*
11:30am	**Regulations Update** *Objective: Update members on the regulations development process.*	Christine Sotelo, *DELAPO* Jacob Oaxaca, *ELAP*

11:45am	**Fields of Accreditation** *Objective: Discuss and provide feedback on ELAP's proposal for the reorganization of the Fields of Accreditation.*	Jacob Oaxaca, *ELAP*
12pm-1pm	Lunch	
1:00pm	**Stakeholder Fees Workgroup Update** *Objective: Update members on progress of fee structure development.*	David Ceccarelli, *State Water Board, Division of Administrative Services*
1:30pm	**Informational Item: Laboratory Intercalibration Exercises** *Objective: Provide information to committee members.*	Dr. Stephen Weisberg, *Southern California Coastal Water Research Project*
2:00pm	**Informational Item: Transition to SDWIS-PRIME** *Objective: Provide information to committee members.*	Paul Williams, *Division of Drinking Water*
2:15pm	**Informational Item: Perchlorate Workgroup** *Objective: Review ELTAC/Agency Partner coordination process.*	Dr. Eric Miguelino, *Division of Drinking Water* Andy Eaton, *Chairperson* Miriam Ghabour, *Member* David Kimbrough, *Member*
2:45pm	**Close – Review Action Items** *Objective: Review any assignments generated during the meeting.*	Andy Eaton
3:00pm	**Adjourn**	

ELTAC Meeting

December 6, 2017

Sacramento and Los Angeles

ROLL CALL

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
ELTAC MEETING
Thursday, December 6, 2017 – 10:30 a.m.
1001 I Street, Conference Room 2540
Sacramento, CA 95814
And
700 North Alameda Street, Room US2-145
Los Angeles, CA 90012

MEETING PACKET

Roll Call

Name	Affiliation	Member Type	Present
Diane Anderson	APPL, Inc.	Rep	
Mindy Boele	CWEA	Rep	
Jill Brodt	Brelje and Race Laboratories	Rep	
Bruce Burton	Division of Drinking Water	SRAE	
Gail Cho	CA Dept. of Fish and Wildlife	SRAE	
Stephen Clark	Pacific EcoRisk	Rep	
Ronald Coss	CWEA	Rep	
Huy Do	CASA	Rep	
Andy Eaton	Eurofins Eaton Analytical	Rep	
Miriam Ghabour	Metropolitan Water District of Southern California	Rep	
Bruce Godfrey	ACIL	Rep	
Anthony Gonzales	CAPHLD	Rep	
Rich Gossett	Physis Environmental	Rep	
David Kimbrough	Pasadena Water and Power	Rep	
Mark Koekemoer	Napa Sanitation District	Rep	
Bruce LaBelle	Dept. of Toxic Substances Control	SRAE	
Allison Mackenzie	Babcock Laboratories	Rep	
Christine Sotelo	CA ELAP	DELAPO	
Renee Spears	State Water Resources Control Board	SRAE	

Abbreviation	Member Type
DELAPO	Designated ELAP Officer, nonvoting
Scribe	Minutes (non-member)
SRAE	State Regulatory Agency Employee, nonvoting
Rep	Representative Member, voting

PUBLIC COMMENTS ON ITEMS NOT ON AGENDA

Public Comments on Items Not on Agenda

Members of the public may address the Environmental Laboratory Technical Advisory Committee (ELTAC) regarding items that are not contained in the meeting agenda at this time.

However, ELTAC may not discuss or take action on any item raised during this public comment session, except to decide whether to place the matter on the agenda of a future meeting [Government Code sections 11125 and 11125.7(a)].

APPROVAL OF JULY 13, 2017 MEETING MINUTES

Andy Eaton, Chairperson

CALIFORNIA ENVIRONMENTAL LABORATORY TECHNICAL ADVISORY COMMITTEE (ELTAC)
COMMITTEE MEETING MINUTES
JULY 13, 2017

More information on the Environmental Laboratory Accreditation Program (ELAP) and previous ELTAC meetings can be found at http://www.waterboards.ca.gov/elap.

CALL TO ORDER

Chairperson Andy Eaton called the meeting to order on July 13, 2017 at 10:00 a.m. at the California Environmental Protection Agency Headquarters, 1001 I Street, Sierra Hearing Room, Sacramento, CA 95814 and the Metropolitan Water District of Southern California – La Verne, Weymouth Room, 700 Moreno Avenue, La Verne, CA 91750.

COMMITTEE MEMBERS PRESENT

DELAPO: Christine Sotelo

Representatives (voting):

Mindy Boele
Jill Brodt
Stephen Clark
Huy Do
Andy Eaton
Miriam Ghabour
Anthony Gonzalez
Rich Gossett
David Kimbrough
Allison Mackenzie
Guilda Neshvad

State Regulatory Agency Employees (non-voting):

Bruce Burton
Gail Cho
Renee Spears

Alternates:

John Quinn (for Bruce LaBelle – non-voting)

Not Present:

Ronald Coss
Bruce Godfrey
Mark Koekemoer
Bruce LaBelle (non-voting)

OTHER STAFF PRESENT

Scribe: Katelyn McCarthy

ELAP: Maria Friedman, Maryam Khosravifard, Jacob Oaxaca

ANNOUNCEMENT

- *Evacuation information in case the fire alarm goes off during the meeting.*
- *The Committee meeting is being webcast and recorded.*

COMMITTEE MEETING

PUBLIC FORUM
Any member of the public may address and ask question of the Committee relating to any matter within ELTAC's scope provided the matter is not on the agenda, or pending before the Advisory Committee.

COMMITTEE BUSINESS

Call to Order/Roll Call

Public Comments on Items Not on Agenda
(The Committee will not take any action but will consider placing any item raised on the agenda at a future meeting.)

- *Josie Tellers – City of Davis – Requested future meeting items on the status of Assembly Bill 1438 and the Revision of ELTAC's By-Laws*

Approval of Amended Minutes from March 29, 2017 Meeting

Motion: Member Clark motioned to adopt the minutes.
Seconded by: Member Boele
MOTION CARRIED: July 13, 2017

Aye:	Member Boele Member Brodt Member Clark Member Do Member Eaton Member Ghabour Member Gonzales Member Gossett Member Kimbrough Member Mackenzie Member Neshvad
Nay:	None
Absent:	Member Coss Member Godfrey Member Koekemoer
Abstain:	None

DELAPO Report

- ***DELAPO Christine Sotelo updated committee members on the program's progress since last meeting:***
  - ***Assessor training through contractor NV5/Dade Moeller begins in August***
  - ***August 1st Board Meeting item will ask the State Water Board (the State Board) to allocate funding for small laboratory training contract***
  - ***ELAP is currently drafting preliminary text for new regulations***
  - ***The State Board supported ELAP's proposal to accept third-party assessments to reduce backlog. ELAP is developing minimum qualifications.***

DRAFT

- ***DELAPO Christine Sotelo presented informational items:***
  - ***ELAP participated in Beach Water Quality Monitoring Workgroup to inquire if Agency Partners want the program to accredit for new method - quantitative polymerase chain reaction (QPCR). The workgroup believe it is premature at this time since the method is still changing.***
  - ***US EPA asked ELAP to distribute clarifying information on detection limits for radionuclides. The draft announcement was included in meeting materials for committee comment.***
- ***Division of Drinking Water (DDW) gave an update informing the committee of their intent to revise regulations by lowering the detection limit for purposes of reporting (DLR) for perchlorate. DDW requested a workgroup of ELTAC members to assist in determining the community's capacity.***

Fees Stakeholder Workgroup Update

Chairperson Andy Eaton gave committee members a summary presentation of the progress of the Fees Stakeholder Workgroup, including a summary of the nine preliminary proposals. No formal action was taken by the committee.

Proficiency Testing Workgroup Update

DELAPO Christine Sotelo gave committee members a summary presentation of the progress of the Proficiency Testing Workgroup, including a summary of the issues discussed. No formal action was taken by the committee.

Enforcement Implementation Discussion

Member Kimbrough discussed concerns with current proficiency testing requirements. No formal action was taken by the committee.

Draft Regulations

Maryam Khosravifard, ELAP, presented information on the timeline for development of new regulations and outlined the anticipated major changes. The committee discussed the proposed changes. A video of comments is available at: https://www.waterboards.ca.gov/drinking_water/certlic/labs/events_calendar.shtml. No formal action was taken by the committee.

Adjournment

The Committee adjourned at 4:30pm.

DRAFT

VOTE FOR ELTAC CHAIRPERSON

Voting Members

Voting Procedure

- Each candidate's qualifications are in the meeting materials
- Secret ballot – three candidates
  - Stephen Clark, Pacific EcoRisk
  - Ron Coss, Orange County Sanitation District
  - Bruce Godfrey, American Council of Independent Laboratories (ACIL)
- We will collect votes and notify members of the results following the meeting
  - Darrin Polhemus, Deputy Director of the Division of Drinking Water, makes the final decision

ELTAC By-Laws, Article V, Section C, ***Electing the Chairperson***

> Each [voting] Representative shall be allowed one vote. The Chairperson shall be decided by a simple majority vote. Voting is not binding and the Deputy Director may appoint a different Chairperson if he/she deems it necessary.

Candidate # 1 - Stephen Clark, Pacific EcoRisk

I received a B.S. in biology with a focus in marine biology from CSU, Stanislaus, and performed my doctorate work in ecotoxicology in the UC Davis Pharmacology and Toxicology Graduate Group. For over 28 years, I have been directing and participating in aquatic ecotoxicology and environmental chemistry research and testing, as well as large-scale monitoring programs. In 1999, I joined Pacific EcoRisk (PER), an environmental consulting and testing company in Fairfield, CA. I have served as PER's Laboratory Director, QA Officer, am currently one of PER's Vice Presidents, and was instrumental in transitioning PER's laboratory to obtain NELAP accreditation in 2004. I also have extensive experience serving as a member of technical committees, including the Technical Issues Committee and Pesticide Evaluation Advisory Group for Central Valley Regional Board's Irrigated Lands Regulatory Program, both of which provided me with insights regarding both toxicity and analytical chemistry issues related to ELTAC's lab accreditation role. I also have professional experience leading scientific organizations (e.g., past President of NorCal SETAC) and community organizations (e.g., past President of the Stockton Youth Soccer Association). I look forward to the opportunity to bring both my technical experience and organizational coordination experience to serve as the ELTAC chair, specifically working to facilitate effective meeting planning/execution, as well as a smooth plan to transition CA labs from ELAP to NELAP accreditation.

Candidate # 2 - Ron Coss, Orange County Sanitation District

Based on my broad experience, I feel I would be a very good fit for the Chair of ELTAC, especially in this time of change. Having managed environmental labs on both sides of the pipe has given me a unique perspective in helping to focus this prestigious group of laboratory professionals in providing technical guidance and support to ELAP in this process of adopting laboratory accreditation standards and improving data quality. ELTAC is an important bridge to the laboratory community, and serves the critical function of bringing feedback and recommendations to ELAP to improve this process.

Over my 30 plus year career, I have overseen the monitoring of source water, drinking water treatment, water reclamation and cross-connection control, to the discharge of treated effluent. I have managed laboratories in large municipal agencies with large staffs and a small private lab with no dedicated staff. My accomplishments include obtaining ELAP accreditation for a completely new lab,

leadership of several laboratories though renewal audits, and acquiring NELAP accreditation for my current laboratory at OCSD.

I believe my background gives me the diverse experience and perspective to represent the issues of the laboratories accredited by ELAP, to effectively focus ELTAC and assist ELAP during this time of change. I believe we have the opportunity to aid in the creation of a program that will insure data quality, and serve the needs of the laboratory community well into the future. I am excited to be part of this process.

Candidate #3 - Bruce Godfrey, Montrose Environmental

I want to be the ELTAC Chair because I am passionate about the value of standards based laboratory accreditation for chemical testing laboratories. I've either operated, or was deeply involved in the operation of chemical testing laboratories accredited to international standards of practice for 30 years. I am committed seeing the value of standards based laboratory accreditation systems brought to benefit CA regulatory programs. I have been a strong and consistent advocate of/for ELAP in the years I've served on ELTAC, and I want to see the changes we've made to the program implemented efficiently and effectively. I believe I am uniquely qualified by experience and abilities to keep ELTAC aware of, and working on, the key policy and technical issues we are assembled to advise ELAP on.

Dr. Godfrey leads interdisciplinary teams in business and organizational development, process improvement, and quality assurance for Montrose's Environmental Laboratory Services Division, a significant national provider of environmental tests & measurements including; drinking and wastewater, air and stack testing, industrial hygiene, radiochemistry, contaminated site remediation, waste characterization, aquatic toxicity, and environmental microbiology.

In addition to 38 years managing & directing large commercial environmental laboratories, Dr. Godfrey is immediate past President of the Pacific Southwest Section of the Association of Official Analytical Chemists (AOAC), Chairman elect of the American Council of Independent Laboratories (ACIL), the nation's trade association for independent scientific, testing and engineering firms; and a voting representative on California's Environmental Laboratory Technical Advisory Committee (ELTAC) overseeing California's environmental laboratory accreditation program. Dr. Godfrey is a six time recipient of the Preston S. Millar award for outstanding service to the nation's testing inspection and certification community. Dr. Godfrey earned BA, and Ph.D. Degrees in Biochemistry from the University of California.

DELAPO REPORT

Christine Sotelo, ELAP

Perspective

- I've had the opportunity to step back and evaluate how far we have come
- We have accomplished A LOT
- We're not where we'd like to be on a few things
  - But, we are on the right path

Major Accomplishments

- Expert Review Panel
- Internal management system
- NV5/Dade Moeller training and assessment contract
- Monitoring Proficiency Testing
- ELTAC and State Agency Partner relationships
- Communication

Expert Review Panel

- We would not be where we are now had we not undertaken this review
  - This is our biggest accomplishment
- It gave us a roadmap on how to improve
- Despite differences, we see this as having brought the community together as well

Internal Management System

- We are implementing TNI Volume 2 for Accreditation Bodies
- Benefits
  - Improved service to internal and external stakeholders
  - More consistency
  - Improved employee morale
- This is our mechanism for continuous improvement
  - We are deeply committed to this

Training and Assessment Contract

- Major milestone
  - The Board has invested $1.17 million dollars in this contract
- ELAP assessors are being trained by experts
  - They are learning how to perform method and quality systems assessments
  - Laboratories are learning from these experts as well
- They are chipping away at the backlog of drinking water laboratories
  - This frees up some resources for non-DW laboratories

Proficiency Testing

- We are now evaluating both Renewal and Annual Proficiency Testing results
  - This wasn't happening at all before
- This monitoring is important
  - And there have been instances where we've had to take action against laboratories who have not been able to pass PTs
- It's clear there is a long way to go – many laboratories are not completing required tests, or do not understand which tests are required
  - We're committed to working with the community to resolve these issues

ELTAC and Agency Partner Relationships

- Our relationships were broken or nonexistent before
  - Now we have functional, positive relationships with both advisory bodies
- You have both played a huge role in our progress
- Thank you for your commitment

ELTAC Accomplishments

- Made recommendations on laboratory standards and an implementation time frame
- Designed Agency Partner/ELTAC coordination process for new monitoring needs
- Recommended a format for ELAP's Fields of Testing
- Guidance on fee structure development
- Provided technical assistance to ELAP
- Enhanced communication with your community

Communication

- Established communication with the laboratory community
  - Did not exist before
- There is always room for improvement
  - But we have come a long way

There’s More to Do

- Technology
- Assessments
- Regulations
  - We’ll talk more about this after program updates

Technology

- We're still in the process of obtaining a new database
  - To analyze PTs
  - Online application
- This will make the accreditation process more efficient for both laboratories and ELAP
- We're making slow, but significant progress

Assessments

- We're still working through an assessment backlog
  - Anticipate NV5 contract clearing the DW backlog
  - ELAP staff are tackling the non-DW laboratories
- However, this is our biggest challenge
  - Limited resources
- We're working on a contract to accept third-party assessments to provide an alternative to laboratories

PROGRAM UPDATES

Staffing Updates

- New assessor in the Glendale office – Ali Hossain
  - Biologist
  - Ample inspection experience

- We have a new vacancy – Supervisor of the Program Development, Research and Enforcement Unit
  - Maryam Khosravifard has accepted a position with the California Department of Food and Agriculture – Congratulations!

US EPA Audit

- US EPA conducted a program audit of ELAP November 15th-17th
- Initial verbal feedback was positive
  - Pleased with the improvement in documentation
- We're waiting on the audit report
  - And are prepared to take corrective action once received
- It's early, but we are seeing the outcome of this audit as a confirmation of the progress we've made
  - As well as the value of our management system

MUR Methods

- 2017 Methods Update Rule was effective September 27th
- We anticipate being able to update our FOTs within the next few months
- We're looking into the possibility of doing a courtesy update for some methods on existing certificates
  - Those without significant QA/QC changes
  - We would add the updated version and distribute updated FOT lists
- We will notify the community via email

Early Implementation Contract Proposal

- Original proposal was for six laboratories to receive consulting services to implement the 2016 TNI Standard in one year
  - Due to available funding, we have revised to two laboratories
- There will be a time commitment required for the two laboratories selected
- There will also be a “pay-it-forward” component
  - Participant laboratories will pass on the knowledge they gain during the process
- Anticipate selection process beginning in early 2018
  - Criteria are under development

Small Laboratory Training Contract

- This training will build on the knowledge gained from the Early Implementation Contract
- We anticipate it being focused on documentation development with a consultant
- Expect release as we near adoption of the regulations package

Assembly Bill 1438

- Governor Brown signed Assembly Bill 1438 into law on September 28, 2017, which:
  - Updates outdated references
  - Updates the appeals process for when a laboratory disagrees with ELAP's decision
  - Modifies the process for suspending or revoking accreditation to provide for a hearing before the State Water Resources Control Board
- No additional accreditation requirements
- The law goes into effect on January 1, 2018

AB-1438 State Water Resources Control Board: environmental laboratories: public water systems: certificates and permits: procedures. (2017-2018)

SECTION 1. Section 100825 of the Health and Safety Code is amended to read:

100825. (a) This article shall be known, and may be cited, as the Environmental Laboratory Accreditation Act.

(b) Laboratories that perform analyses on any combination of environmental samples, or raw or processed agricultural products for regulatory purposes shall obtain a certificate of accreditation pursuant to this article.

(c) Unless the express language or context requires otherwise, the definitions in this article shall govern the construction of the article.

(1) "Accreditation" means the recognition of a laboratory by the ~~department~~ *state board* to conduct analyses of environmental samples for regulatory purposes.

(2) "Assessor body" means the organization that actually executes the accreditation process, including receiving and reviewing applications, documents, PT sample results, and onsite assessments.

(3) "Certificate" means a document issued by the ~~department~~ *state board* to a laboratory that has received accreditation pursuant to this article.

(4) "Department" means the ~~State Department of Health Services.~~ *state board.*

(5) "ELAP" means state accreditation program established under this article.

~~(5)~~ *(6)* "Environmental samples" means potable and nonpotable surface waters or groundwaters, soils and sediments, hazardous wastes, biological materials, or any other sample designated for regulatory purposes.

~~(6) "NELAC" means the National Environmental Laboratory Accreditation Conference.~~

~~(7) "NELAC standards" refers to the requirements found in EPA publication number 600/R-98/151, November 1998, and any subsequent amendments that are adopted by EPA or the national program.~~

~~(8) "NELAP" means the National Environmental Laboratory Accreditation Program established by NELAC.~~

~~(9) "NELAP accreditation" means the accreditation of a laboratory that has met the requirements of the NELAC standards, and the requirements of this article.~~

~~(10) "NELAP accredited laboratory" means a laboratory that has met the standards of NELAC and has been accredited by a primary or secondary NELAP-recognized accrediting authority.~~

~~(11) "NELAP recognized accrediting authority" means a state agency that is authorized by NELAP to accredit laboratories.~~

~~(12) "NELAP recognized primary accrediting authority" means a state agency that is responsible for the accreditation of environmental laboratories within that state or that performs the primary accreditation of a lab from a non-NELAP state or where the laboratory's home state does not offer accreditation in a given field of accreditation.~~

~~(13) "NELAP recognized secondary accrediting authority" means a state agency that is authorized by NELAP to accredit environmental laboratories within that state that have been accredited by a NELAP approved accrediting authority in another state.~~

~~(14)~~ *(7)* "Proficiency testing (PT)" is a means of evaluating a laboratory's performance under controlled conditions relative to a given set of criteria through analysis of unknown samples provided by an external source.

~~(15)~~ *(8)* "PT sample" means a sample used for proficiency testing.

~~(16)~~ *(9)* "Regulatory purposes" means a statutory or regulatory requirement of a state board, office, or department, or of a division or program that requires a laboratory certified under this article or of any other state or federal agency that requires a laboratory to be accredited.

~~(17)~~ *(10)* "Revocation" means the permanent loss of a certificate of accreditation, including all units and fields of accreditation for state accreditation and all fields of accreditation for ~~NELAP~~ *TNI* accreditation.

~~(18)~~ *(11)* "State accreditation" means accreditation of a laboratory, that has met the requirements of this article and regulations adopted by the ~~department~~ *state board* pursuant to this article.

(12) "State board" means the State Water Resources Control Board.

~~(19)~~ *(13)* "Suspension" means the temporary loss of a certificate of accreditation or a unit or field of accreditation.

(14) "TNI" means The NELAC Institute, a nonprofit corporation created to combine the functions of the National Environmental Laboratory Accreditation Conference and the Institute for National Environmental Laboratory Accreditation.

(15) "TNI accreditation" means the accreditation of a laboratory that has met the requirements of TNI standards, and the requirements of this article.

(16) "TNI accredited laboratory" means a laboratory that has met the standards of TNI and has been accredited by a primary or secondary TNI-recognized accrediting body.

(17) "TNI-recognized accrediting body" means a state agency that is authorized by TNI to accredit laboratories.

(18) "TNI-recognized primary accrediting authority" means a state agency that is responsible for the accreditation of environmental laboratories within that state or that performs the primary accreditation of a lab from a non-TNI state or where the laboratory's home state does not offer accreditation in a given field of accreditation.

(19) "TNI-recognized secondary accrediting authority" means a state agency that is authorized by TNI to accredit environmental laboratories within that state that have been accredited by a TNI-approved accrediting authority in another state.

(20) "TNI standards" means the laboratory standards adopted by TNI.

SEC. 2. Section 100829 of the Health and Safety Code is amended to read:

100829. The State Water Resources Control Board may do all of the following related to accrediting environmental laboratories in the state:

(a) Offer both state accreditation and ~~NELAP~~ *TNI* accreditation, which shall be considered equivalent for regulatory activities covered by this article.

(b) Adopt regulations to establish the accreditation procedures for both types of accreditation.

(c) Retain exclusive authority to grant ~~NELAP~~ *TNI* accreditation.

(d) Accept certificates of accreditation from laboratories that have been accredited by other ~~NELAP-recognized~~ *TNI-recognized* accrediting authorities.

(e) Adopt regulations to establish procedures for recognizing the accreditation of laboratories located outside California for activities regulated under this article.

(f) (1) Adopt a schedule of fees to recover costs incurred for the accreditation of environmental laboratories. Consistent with Section 3 of Article XIII A of the California Constitution, the *state* board shall set the fees under this section in an amount sufficient to recover all reasonable regulatory costs incurred for the purposes of this article.

(2) The *state* board shall set the amount of total revenue collected each year through the fee schedule at an amount equal to the amount appropriated by the Legislature in the annual Budget Act from the Environmental Laboratory Improvement Fund for expenditure for the administration of this article, taking into account the

reserves in the Environmental Laboratory Improvement Fund. The *state* board shall review and revise the fees each fiscal year as necessary to conform with the amounts appropriated by the Legislature. If the *state* board determines that the revenue collected during the preceding year was greater than, or less than, the amounts appropriated by the Legislature, the *state* board may further adjust the fees to compensate for the over or under collection of revenue.

(3) The *state* board shall adopt the schedule of fees by emergency regulation. The emergency regulations may include provisions concerning the administration and collection of the fees. Any emergency regulations adopted pursuant to this section, any amendment to those regulations, or subsequent adjustments to the annual fees, shall be adopted by the *state* board in accordance with Chapter 3.5 (commencing with Section 11340) of Part 1 of Division 3 of Title 2 of the Government Code. The adoption of these regulations is an emergency and shall be considered by the Office of Administrative Law as necessary for the immediate preservation of the public peace, health, safety, and general welfare. Notwithstanding Chapter 3.5 (commencing with Section 11340) of Part 1 of Division 3 of Title 2 of the Government Code, any emergency regulations adopted by the *state* board, or adjustments to the annual fees made by the *state* board pursuant to this section, are not subject to review by the Office of Administrative Law and remain in effect until revised by the *state* board.

(4) Fees shall be set for the two types of accreditation provided for in subdivision (a), including application fees.

(5) Programs operated under this article shall be fully fee-supported.

SEC. 3. Section 100837 of the Health and Safety Code is amended to read:

100837. The ~~department~~ *state board* may contract with approved third-party laboratory assessor bodies in accordance with the criteria developed by the ~~NELAC~~ *TNI* or ~~other~~ *a* federal ~~agencies.~~ *agency.*

SEC. 4. Section 100840 of the Health and Safety Code is amended to read:

100840. Any laboratory requesting ELAP certification or ~~NELAP~~ *TNI* accreditation under this article shall file with the ~~department~~ *state board* an application on forms prescribed by the ~~department~~ *state board* containing all of the following:

(a) The names of the applicant and the laboratory.

(b) The location of the laboratory.

(c) A list of fields of testing for which the laboratory is seeking ~~certification, selected from the activities listed in Section 100860.1 or 100862.~~ *certification.*

(d) Evidence satisfactory to the ~~department~~ *state board* that the applicant has the ability to comply with this article and the regulations adopted under this article.

(e) Any other information required by the ~~department~~ *state board* for administration or enforcement of this article or regulations adopted under this article.

SEC. 5. Section 100847 of the Health and Safety Code is amended to read:

100847. (a) The period of accreditation for ~~NELAP~~ *TNI* accredited laboratories shall be 12 months. An application for renewal shall be filed with the ~~department~~ *state board* prior to the expiration date of the accreditation. Failure to make timely application for renewal shall result in expiration of the accreditation.

(b) The accrediting authority shall be notified in writing within 30 calendar days of the sale or other transfer of ownership of a ~~NELAP~~ *TNI* accredited laboratory.

(c) The accrediting authority shall be notified in writing within 30 calendar days of the change in location of a ~~NELAP~~ *TNI* accredited laboratory, other than a mobile laboratory.

(d) The accrediting authority shall be notified within 30 calendar days whenever there is a change of laboratory director, or other individual in charge of the laboratory.

(e) ~~NELAP~~ *TNI* accredited laboratories shall conspicuously display their most recent ~~NELAP~~ *TNI* accreditation certificate or their accreditation fields of testing, or both, in a permanent place in their laboratory.

(f) ~~NELAP~~ *TNI* accredited laboratories shall not use their ~~NELAP~~ *TNI* accreditation document or their accreditation status to imply any endorsement by the accrediting authority.

SEC. 6. Section 100850 of the Health and Safety Code is amended to read:

100850. (a) Upon the filing of an application for ELAP certification or ~~NELAP~~ *TNI* accreditation and after a finding by the ~~department~~ *state board* that there is full compliance with this article and regulations adopted under this article, the ~~department~~ *state board* shall issue to the owner certification or accreditation in the fields of testing ~~identified in Section 100860.1 or 100862.~~ *for which the laboratory is seeking certification and with respect to which the state board has determined there is full compliance.*

(b) The ~~department~~ *state board* shall deny or revoke a certificate if it finds any of the following:

(1) The laboratory fails to report acceptable results in the analysis of proficiency testing samples.

(2) The laboratory fails to analyze proficiency testing samples.

(3) The laboratory submits, as its own, proficiency testing sample results generated by another laboratory.

(4) The laboratory fails to pass an onsite assessment.

(5) The laboratory is not in compliance with any other provision of this article or regulations adopted under this article.

~~(c) Provided that there is compliance with all other provisions of this article, the department may restrict a certificate to the fields of testing of Section 100860 or 100862 or subgroups thereof as defined by regulation for which acceptable proficiency testing results have been produced and the onsite assessment was passed.~~

~~(d)~~ *(c)* Upon the filing of a complete application for certification or accreditation pursuant to subdivision (a) and Section 100870, the ~~department~~ *state board* may issue to a laboratory interim certification or accreditation pending the completion of onsite ~~assessment interim~~ *assessment. Interim* certification and accreditation shall be nonrenewable and shall remain in effect until certification and accreditation is either granted under subdivision (a) or denied under subdivision (b), but not later than one year after the date of issuance.

SEC. 7. Section 100851 of the Health and Safety Code is amended to read:

100851. (a) An application for ~~NELAP~~ *TNI* accreditation or renewal of ~~NELAP~~ *TNI* accreditation shall be denied by the accrediting ~~authority~~ *body* for any of the following reasons:

(1) Failure to submit all information necessary to determine the laboratory's eligibility for its accreditation or continued compliance with this section or regulations adopted thereunder.

(2) Failure of the laboratory staff to meet ~~NELAC~~ *TNI* standards for personnel requirements. These qualifications may include education, training, and experience requirements.

(3) Failure to successfully analyze and report proficiency testing samples.

(4) Failure to respond to a deficiency report from the onsite assessment with a corrective action report within 30 calendar days of the receipt of the report.

(5) Failure to implement the corrective actions detailed in the corrective action report within the specified amount of time.

(6) Misrepresentation of any material fact pertinent to receiving or maintaining ~~NELAP~~ *TNI* accreditation.

(b) The ~~NELAP approved~~ *TNI recognized* accrediting ~~authority~~ *body* may suspend the accreditation of a ~~NELAP~~ *TNI* accredited laboratory, in whole or in part, for failure to correct the deficiencies, within a specified amount of time, as identified in the onsite assessment. The laboratory shall retain those areas of accreditation where it continues to meet the requirements of the accrediting ~~authority.~~ *body.* A suspended ~~NELAP~~ *TNI* accredited laboratory shall not be required to reapply for accreditation if the causes for suspension are corrected within six months.

(c) The ~~NELAP~~ *TNI* approved accrediting ~~authority~~ *body* shall suspend a ~~NELAP~~ *TNI* accreditation in whole or in part for the following reasons:

(1) Failure to complete proficiency testing studies.

(2) Failure to maintain a history of at least two successful, out of the most recent three, proficiency testing studies for each affected accreditation field of testing, subgroup, or ~~analyte~~ *analyze* for which the laboratory is

accredited.

(3) Failure to successfully analyze and report proficiency testing sample results pursuant to ~~Chapter 2 of the NELAC~~ *TNI* standards.

(4) Failure to submit an acceptable corrective action report in response to a deficiency report and failure to implement corrective action related to any deficiencies found during laboratory assessments within the required time period, as required by the ~~NELAC~~ *TNI* standards.

(5) Failure to notify the accrediting ~~authority~~ *body* of any changes in key accreditation criteria, as required by ~~Chapter 4 of the NELAC~~ *TNI* standards.

(6) Failure to perform all accredited tests in accordance with ~~NELAC~~ *TNI* standards.

(7) Failure to meet all ~~of the requirements of Chapter 5 of the NELAC~~ *applicable quality system requirements in TNI* standards.

(d) A suspended laboratory shall not be required to reapply for any ~~NELAP~~ *TNI* accreditation if the causes for suspension are corrected within six months. A suspended laboratory may not continue to analyze samples for the affected fields of testing for which it holds accreditation. A suspended laboratory shall remain suspended without a right to appeal if the suspension is caused by unacceptable proficiency testing sample results.

(e) If a laboratory is unable to correct the reason for suspension, the laboratory's accreditation shall be revoked in whole or in part.

(f) A laboratory's accreditation may not be suspended without the right to due process, as set forth in ~~Chapter 4 of the NELAC~~ *TNI* standards.

SEC. 8. Section 100852 of the Health and Safety Code is amended to read:

100852. (a) Notwithstanding any other ~~provision of~~ law, the ~~department~~ *state board* may issue a certificate to the owner of a laboratory in a field of testing or method adopted by the federal Environmental Protection Agency pursuant to Part 136 of Title 40 of the Code of Federal Regulations, as amended September 11, 1992, as published in the Federal Register (57 FR 41830), or Part 141 of Title 40 of the Code of Federal Regulations, as amended July 17, 1992, as published in the Federal Register (57 FR 31776), and as subsequently amended and published in the Code of Federal Regulations.

(b) As a ~~NELAP approved accreditating authority, the department~~ *TNI recognized accrediting body, the state board* shall accept performance based measurement system methods, when mandated methods are indicated. A fee, as specified in regulations adopted by the ~~department,~~ *state board,* may be charged for the review of each performance based measurement system method.

(c) Notwithstanding any other provision of law, the ~~department~~ *state board* shall not be required to meet the requirements of Chapter 3.5 (commencing with Section 11340) of the Government Code in order to issue a certificate pursuant to subdivision (a).

SEC. 9. Section 100855 of the Health and Safety Code is repealed.

~~**100855.** Upon the denial of any application for ELAP certification or NELAP accreditation, or the revocation or suspension of ELAP certification or NELAP accreditation, the department shall immediately notify the applicant or organization by certified mail, return receipt requested, of the action and the reasons for the action. Within 20 calendar days of receipt, the applicant or organization may present the department with a written petition for a hearing. Upon receipt in proper form by the department, the petition shall be set for hearing. The proceedings shall be conducted in accordance with Section 100171 and the department has all the powers granted in that section.~~

SEC. 10. *Section 100855 is added to the Health and Safety Code, to read:*

100855. *Upon the denial of an application for ELAP certification or TNI accreditation, the state board shall immediately notify the applicant or organization by certified mail, return receipt requested, of the action and the reasons for the action. The owner of a laboratory may petition for reconsideration under Section 116701.*

SEC. 11. Section 100862 of the Health and Safety Code is amended to read:

100862. (a) At the time of application for ~~NELAP~~ *TNI* accreditation and annually thereafter, from the date of the issuance of the accreditation, a laboratory shall pay a ~~NELAP~~ *TNI* accreditation fee, according to the fee schedule established by the ~~State Water Resources Control Board~~ *state board* pursuant to Section 100829.

(b) In addition to the payment of fees authorized by Section 100829, laboratories accredited or applying for accreditation shall pay directly to the designated proficiency testing provider the cost of the proficiency testing studies.

SEC. 12. Section 100865 of the Health and Safety Code is amended to read:

100865. (a) In order to carry out the purpose of this article, any duly authorized representative of the ~~department~~ *state board* may do the following:

(1) Enter and inspect a laboratory that is ELAP certified or ~~NELAP~~ *TNI* accredited pursuant to this article or that has applied for ELAP certification or ~~NELAP~~ *TNI* accreditation.

(2) Inspect and photograph any portion of the laboratory, equipment, any activity, or any samples taken, or copy and photograph any records, reports, test results, or other information related solely to certification under this article or regulations adopted pursuant to this article.

(3) Require an owner of a laboratory to provide, within 15 days of receiving a request from a duly authorized representative of the state board, reports, test results, and other information required to implement this article, including, but not limited to, applicable standard operating procedures, quality control or quality assurance manuals, quality control or quality assurance data, employee qualifications, training records, or information relating to accreditation with another state or agency. The state board may require a laboratory to conduct proficiency testing in any of the laboratory's accredited fields of testing.

(b) It shall be a misdemeanor for any person to prevent, interfere with, or attempt to impede in any way, any duly authorized representative of the ~~department~~ *state board* from undertaking the activities authorized by this section.

(c) If a laboratory that is seeking ELAP certification, ~~NELAP~~ *TNI* accreditation, ELAP recertification, or ~~NELAP~~ *TNI* reaccreditation refuses entry of a duly authorized representative during normal business hours for either an announced or unannounced onsite assessment, the certification, accreditation, recertification, or reaccreditation shall be denied or revoked.

(d) Refusal of a request by a ~~NELAP~~ *TNI* approved accrediting authority, the ~~department,~~ *state board,* or any employee, agent, or contractor of the ~~department,~~ *state board,* for permission to inspect, pursuant to this section, the laboratory and its operations and pertinent records during the hours the laboratory is in operation shall result in denial or revocation of ELAP certification or ~~NELAP~~ *TNI* accreditation.

SEC. 13. Section 100870 of the Health and Safety Code is amended to read:

100870. (a) Any laboratory that is ELAP certified or holds ~~NELAP~~ *TNI* accreditation or has applied for ELAP certification or ~~NELAP~~ *TNI* accreditation or for renewal of ELAP certification or ~~NELAP~~ *TNI* accreditation under this article shall analyze proficiency testing samples, if these testing samples are available. The ~~department~~ *state board* shall have the authority to contract with third parties for the provision of proficiency testing samples for those laboratories that hold or are applying for ELAP certification. The samples shall be tested by the laboratory according to methods specifically approved for this purpose by the United States government or the ~~department,~~ *state board,* or alternate methods of demonstrated adequacy or equivalence, as determined by the ~~department.~~ *state board.* Proficiency testing sample sets shall be provided, when available, not less than twice, nor more than four times, a year to each certified laboratory that performs analyses of food for pesticide residues.

(b) (1) The ~~department~~ *state board* may provide, directly or indirectly, proficiency testing samples to a laboratory for the purpose of determining compliance with this article with or without identifying the ~~department.~~ *state board.*

(2) When the ~~department~~ *state board* identifies itself, all of the following shall apply:

(A) The results of the testing shall be submitted to the ~~department~~ *state board* on forms provided by the ~~department~~ *state board* on or before the date specified by the ~~department,~~ *state board,* and shall be used in determining the competency of the laboratory.

(B) There shall be no charge to the ~~department~~ *state board* for the analysis.

(3) When the ~~department~~ *state board* does not identify itself, the ~~department~~ *state board* shall pay the price requested by the laboratory for the analyses.

(c) If a certified or ~~NELAP~~ *TNI* accredited laboratory submits proficiency testing sample results generated by another laboratory as its own, the certification or ~~NELAP~~ *TNI* accreditation shall be immediately revoked.

(d) Laboratories shall obtain their proficiency testing samples from proficiency testing sample providers that meet ~~NELAC~~ *TNI* standards. Laboratories shall bear the cost of any proficiency testing study fee charged for participation. Each laboratory shall authorize the providers of proficiency testing samples to release the report of the study results directly to the ~~department,~~ *state board,* as well as to the laboratory.

SEC. 14. Section 100872 of the Health and Safety Code is amended to read:

100872. (a) An ELAP certified laboratory shall successfully analyze proficiency testing samples for those fields of testing for which they are certified, not less than once a year, where applicable. Proficiency testing procedures shall be approved by the United States government or by the ~~department.~~ *state board.*

(b) A ~~NELAP~~ *TNI* accredited laboratory shall participate in, and meet the success rate for, proficiency testing studies as required in the ~~NELAP~~ *TNI* standards.

(c) The ELAP certified or ~~NELAP~~ *TNI* accredited laboratory shall discontinue the analyses of samples for the fields of testing or subgroups which have been suspended for failure to comply with the proficiency testing requirements in this section.

SEC. 15. Section 100875 of the Health and Safety Code is amended to read:

100875. Whenever the ~~department~~ *state board* determines that any ~~person~~ *laboratory* has violated or is violating this article or any certificate, regulation, or standard issued or adopted pursuant to this article, ~~the director~~ *any officer or employee of the state board delegated such authority* may issue an order directing compliance forthwith or directing compliance in accordance with a time schedule set by the ~~department.~~ *state board. The owner of a laboratory issued an order under this section may petition for reconsideration under Section 116701.*

SEC. 16. Section 100880 of the Health and Safety Code is amended to read:

100880. If the ~~department~~ *state board* determines that a laboratory is in violation of this article or any regulation or order issued or adopted pursuant to this article, the ~~department~~ *state board* may, in addition to suspension, denial, or revocation of the certificate or ~~NELAP~~ *TNI* accreditation, issue a citation to the owner of the laboratory. It shall be the function of the ~~approved~~ *recognized* accrediting authority to issue citations. The Legislature finds and declares that since ~~NELAC~~ *TNI* is a standard setting body, it cannot, as such, enforce civil or criminal penalties.

(a) The citation shall be served personally or by registered mail.

(b) Each citation shall be in writing and shall describe with particularity the nature of the violation, including a reference to the statutory provision, order, or regulation alleged to have been violated.

(c) The citation shall fix the earliest feasible time for elimination or correction of the condition constituting the violation.

(d) Citations issued pursuant to this section shall specify a civil penalty for each violation, not to exceed one thousand dollars ($1,000), for each day that the violation occurred.

(e) If the owner fails to correct a violation within the time specified in the citation, the ~~department~~ *state board* may assess a civil penalty as follows:

(1) For failure to comply with any citation issued for a violation of this article or a regulation, an amount not to exceed two hundred fifty dollars ($250) for each day that the violation continues beyond the date specified for correction in the citation.

(2) For failure to comply with any citation issued for violation of any ~~department-issued~~ *state board-issued* order, an amount not to exceed two hundred dollars ($200) for each day the violation continues beyond the date

specified for correction in the citation.

(f) The owner of a laboratory issued a citation under this section or assessed a penalty under subdivision (e) may petition for reconsideration under Section 116701.

SEC. 17. Section 100885 of the Health and Safety Code is amended to read:

100885. (a) Any person who operates a laboratory that performs work that requires certification or ~~NELAC~~ *TNI* accreditation under Section 25198, 25298.5, 25358.4, 110490, or 116390 of this code, or Section 13176 of the Water Code, who is not certified or ~~NELAC~~ *TNI* accredited to do so, may be enjoined from so doing by any court of competent jurisdiction upon suit by the ~~department.~~ *state board.*

(b) When the ~~department~~ *state board* determines that any person has engaged in, or is engaged in, any act or practice that constitutes a violation of this article, or any regulation or order issued or adopted thereunder, the ~~department~~ *state board* may bring an action in the superior court for an order enjoining these practices or for an order directing compliance and affording any further relief that may be required to ensure compliance with this article.

SEC. 18. Section 100890 of the Health and Safety Code is amended to read:

100890. (a) Any person who knowingly makes any false statement or representation in any application, record, or other document submitted, maintained, or used for purposes of compliance with this article, may be liable, as determined by the court, for a civil penalty not to exceed five thousand dollars ($5,000) for each separate violation or, for continuing violations, for each day that violation continues.

(b) Any person who operates a laboratory for purposes specified pursuant to Section 25198, 25298.5, 25358.4, 110490, or 116390 of this code, or Section 13176 of the Water Code that requires certification, who is not certified by the department pursuant to this article, may be liable, as determined by the court, for a civil penalty not to exceed five thousand dollars ($5,000) for each separate violation or, for continuing violations, for each day that violation continues.

(c) A laboratory that advertises or holds itself out to the public or its clients as having been certified for any ~~of the fields of testing referred to in Section 100860 or 100862~~ *field of testing* without having a valid and current certificate in each field of testing identified by the advertisement or other representation may be liable, as determined by the court, for a civil penalty not to exceed one thousand dollars ($1,000) or, for continuing violations, for each day that violation continues.

(d) Each civil penalty imposed for any separate violation pursuant to this section shall be separate and in addition to any other civil penalty imposed pursuant to this section or any other provision of law.

SEC. 19. Section 100895 of the Health and Safety Code is amended to read:

100895. (a) Any person who knowingly does any of the following acts may, upon conviction, be punished by a fine of not more than twenty-five thousand dollars ($25,000) for each day of violation, by imprisonment in a county jail not to exceed one year, or by both that fine and imprisonment:

(1) Makes any false statement or representation in any application, record, report, or other document submitted, maintained, or used for the purposes of compliance with this article.

(2) Has in his or her possession any record required to be maintained pursuant to this article that has been altered or concealed.

(3) Destroys, alters, or conceals any record required to be maintained pursuant to this article.

(4) Withholds information regarding an imminent and substantial danger to the public health or safety when the information has been requested by the ~~department~~ *state board* in writing and is required to carry out the ~~department's~~ *state board's* responsibilities pursuant to this article.

(b) A second or subsequent violation of subdivision (a) is punishable by imprisonment pursuant to subdivision (h) of Section 1170 of the Penal Code for 16, 20, or 24 months or in a county jail for not more than one year, by a fine of not less than two thousand dollars ($2,000) or more than fifty thousand dollars ($50,000) per day of violation, or by both that imprisonment and fine.

(c) An ELAP certified or ~~NELAP~~ *TNI* accredited laboratory, upon suspension, revocation, or withdrawal of its ELAP certification or ~~NELAP~~ *TNI* accreditation, shall do all of the following:

(1) Discontinue use of all catalogs, advertising, business solicitations, proposals, quotations, or their materials that contain reference to their past certification or accreditation status.

(2) Return its ELAP certificate or its ~~NELAP~~ *TNI* accreditation to the ~~department.~~ *state board.*

(3) Cease all testing of samples for regulatory purposes.

(d) The penalties cited in subdivisions (a) and (b) shall also apply to ~~NELAP~~ *TNI* accredited laboratories.

SEC. 20. Section 100907 of the Health and Safety Code is amended to read:

100907. (a) The ~~department~~ *state board* shall revoke, in whole or in part, the accreditation of a ~~NELAP~~ *TNI* accredited laboratory for either of the following reasons:

(1) Failure to submit an acceptable corrective action report in response to a deficiency report, and failure to implement corrective action related to any deficiencies found during a laboratory assessment. The laboratory may submit two corrective actions within the time limits specified by the accrediting authority.

(2) Failure to successfully analyze and report proficiency testing sample results pursuant to ~~Chapter 2 of the NELAC~~ *TNI* standards.

(b) The ~~department~~ *state board* shall revoke, in whole, the accreditation of a ~~NELAP~~ *TNI* accredited laboratory for any of the following reasons:

(1) Failure to respond with a corrective action report within the required 30-day period.

(2) Failure to participate in the proficiency testing program, as required by ~~Chapter 2 of the NELAC~~ *TNI* standards.

(3) Submittal of proficiency test sample results generated by another laboratory as its own.

(4) Misrepresentation of any material fact pertinent to receiving or maintaining accreditation.

(5) Denial of entry during normal business hours for an onsite assessment, as required by ~~Chapter 3 of the NELAC~~ *TNI* standards.

(6) Conviction of charges for the falsification of any report of, or that relates to, a laboratory analysis.

(c) The ~~department~~ *state board* may also revoke, in whole, a laboratory's accreditation for failure to remit the accreditation fees within the time limit established by the accrediting authority.

(d) After correcting the reason or reasons for revocation, the ~~NELAP~~ *TNI* accredited laboratory may reapply for accreditation no sooner than six months from the official date of revocation.

(e) A laboratory's ~~NELAP~~ *TNI* accreditation shall not be revoked without the right to due process, ~~as required by Chapter 4 of the NELAC standards.~~ *in accordance with Section 100910.*

SEC. 21. Section 100910 of the Health and Safety Code is repealed.

~~**100910.** Proceedings for the suspension or revocation of a certificate under this article shall be conducted in accordance with Section 100171, and the department shall have all powers granted pursuant to that section.~~

SEC. 22. *Section 100910 is added to the Health and Safety Code, to read:*

100910. *(a) The state board, after providing notice to the owner of the laboratory and opportunity for a hearing, may suspend or revoke an ELAP certification or TNI accreditation issued pursuant to this article. The notice shall inform the owner of the laboratory that the owner may request a hearing not later than 20 days from the date on which the notice is received, and shall contain a statement of facts and information that show a basis for the suspension or revocation. If the owner submits a timely request for a hearing, the hearing shall be before the state board or a member of the state board, in accordance with Section 183 of the Water Code and the rules for adjudicative proceedings adopted under Section 185 of the Water Code. If the owner does not submit a timely request for a hearing, the state board may suspend or revoke the permit without a hearing.*

(b) If the certification or accreditation at issue has been temporarily suspended pursuant to Section 100915, the notice shall be provided within 15 days of the effective date of the temporary suspension order. The hearing shall be commenced as soon as practicable, but no later than 60 days after the effective date of the temporary suspension order, unless the owner requests an extension of the 60-day period.

SEC. 23. Section 100915 of the Health and Safety Code is repealed.

~~**100915.** (a) The department may temporarily suspend, in whole or in part, ELAP certification or NELAP accreditation prior to any hearing, when it has determined that this action is necessary to protect the public. The department shall notify the owner of the temporary suspension and the effective date thereof and at the same time shall serve the owner with an accusation. Upon receipt of a notice of defense by the owner, the matter shall be set for hearing within 15 calendar days. The hearing shall be held as soon as possible but no later than 30 calendar days after receipt of the notice. The temporary suspension shall remain in effect until the hearing is completed and the department has made a final determination on the merits. However, the temporary suspension shall be deemed vacated if the department fails to make a final determination on the merits within 60 calendar days after the original hearing has been completed.~~

~~(b) During the suspension, the laboratory shall discontinue the analysis of samples for the specified fields of testing.~~

SEC. 24. *Section 100915 is added to the Health and Safety Code, to read:*

100915. *(a) (1) The state board may temporarily suspend, in whole or in part, ELAP certification or TNI accreditation prior to any hearing, when it has determined that this action is necessary to protect the public. The state board shall notify the owner of the temporary suspension and the effective date of the suspension. The notice shall inform the owner of the laboratory that the owner may request a hearing not later than 20 days from the date on which the notice is received, and shall contain a statement of facts and information that show a basis for the suspension.*

(2) (A) If the owner submits a timely request for a hearing, the hearing shall be commenced as soon as possible but no later than 30 calendar days after receipt of the notice or 15 calendar days after the request for a hearing is submitted, whichever is later, unless the owner requests a later date for the hearing. The hearing shall deal only with the issue of whether the temporary suspension shall remain in place pending a hearing under Section 100910.

(B) The hearing shall be conducted under the rules for adjudicative proceedings adopted by the state board under Section 185 of the Water Code.

(C) The temporary suspension shall remain in effect until the hearing is completed and the state board has made a final determination on the merits under Section 100910. However, the temporary suspension shall be deemed vacated if the state board fails to make a final determination on the merits within 60 calendar days after the hearing under Section 100910 has been completed. Vacation of the temporary suspension does not deprive the state board of jurisdiction to proceed with a hearing on the merits under Section 100910.

(b) During the suspension, the laboratory shall discontinue the analysis of samples for the fields of testing specified in the notice.

SEC. 25. *Section 100920.5 is added to the Health and Safety Code, to read:*

100920.5. *(a) Within 30 days after service of a copy of a decision or order issued by the state board under this chapter, an aggrieved party may file with the superior court a petition for a writ of mandate for review of the order.*

(b) Except as otherwise provided in this section, subdivisions (e) and (f) of Section 1094.5 of the Code of Civil Procedure shall govern proceedings pursuant to this section. For the purposes of subdivision (c) of Section 1094.5 of the Code of Civil Procedure, the court shall uphold the findings of the state board if those findings are supported by substantial evidence in light of the whole record.

(c) If no aggrieved party petitions for a writ of mandate within the time provided by this section, the decision or order of the state board is not subject to review by any court.

SEC. 26. Section 116271 of the Health and Safety Code is amended to read:

116271. (a) The ~~State Water Resources Control Board~~ *state board* succeeds to and is vested with all of the authority, duties, powers, purposes, functions, responsibilities, and jurisdiction of the State Department of Public Health, its predecessors, and its director for purposes of all of the following:

(1) The Environmental Laboratory Accreditation Act (Article 3 (commencing with Section 100825) of Chapter 4 of Part 1 of Division 101).

(2) Article 3 (commencing with Section 106875) of Chapter 4 of Part 1.

(3) Article 1 (commencing with Section 115825) of Chapter 5 of Part 10.

(4) This chapter and the Safe Drinking Water State Revolving Fund Law of 1997 (Chapter 4.5 (commencing with Section 116760)).

(5) Article 2 (commencing with Section 116800), Article 3 (commencing with Section 116825), and Article 4 (commencing with Section 116875) of Chapter 5.

(6) Chapter 7 (commencing with Section 116975).

(7) The Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coastal Protection Bond Act of 2006 (Division 43 (commencing with Section 75001) of the Public Resources Code).

(8) The Water Recycling Law (Chapter 7 (commencing with Section 13500) of Division 7 of the Water Code).

(9) Chapter 7.3 (commencing with Section 13560) of Division 7 of the Water Code.

(10) The California Safe Drinking Water Bond Law of 1976 (Chapter 10.5 (commencing with Section 13850) of Division 7 of the Water Code).

(11) Wholesale Regional Water System Security and Reliability Act (Division 20.5 (commencing with Section 73500) of the Water Code).

(12) Water Security, Clean Drinking Water, Coastal and Beach Protection Act of 2002 (Division 26.5 (commencing with Section 79500) of the Water Code).

(b) The ~~State Water Resources Control Board~~ *state board* shall maintain a drinking water program and carry out the duties, responsibilities, and functions described in this section. Statutory reference to "department," "state department," or "director" regarding a function transferred to the ~~State Water Resources Control Board~~ *state board* shall refer to the ~~State Water Resources Control Board.~~ *state board.* This section does not impair the authority of a local health officer to enforce this chapter or a county's election not to enforce this chapter, as provided in Section 116500.

(c) The ~~State Water Resources Control Board~~ *state board* shall succeed to the status of grantee or applicant, as appropriate, for any federal Drinking Water State Revolving Fund capitalization grants that the State Department of Public Health and any of its predecessors applied for.

(d) Regulations adopted, orders issued, and all other administrative actions taken by the State Department of Public Health, any of its predecessors, or its director, pursuant to the authorities now vested in the ~~State Water Resources Control Board~~ *state board* and in effect immediately preceding the operative date of this section shall remain in effect and are fully enforceable unless and until readopted, amended, or repealed, or until they expire by their own terms. Regulations in the process of adoption pursuant to the authorities vested in the ~~State Water Resources Control Board~~ *state board* shall continue under the authority of the ~~State Water Resources Control Board~~ *state board* unless and until the ~~State Water Resources Control Board~~ *state board* determines otherwise. Any other administrative action adopted, prescribed, taken, or performed by, or on behalf of, the State Department of Public Health, or its director, in the administration of a program or the performance of a duty, responsibility, or authorization transferred to the ~~State Water Resources Control Board~~ *state board* shall remain in effect and shall be deemed to be an action of the ~~State Water Resources Control Board~~ *state board* unless and until the ~~State Water Resources Control Board~~ *state board* determines otherwise.

(e) Permits, licenses, accreditations, certificates, and other formal approvals and authorizations issued by the State Department of Public Health, any of its predecessors, or its director pursuant to authorities vested in the ~~State Water Resources Control Board~~ *state board* pursuant to this section are not affected by the transfer and remain in effect, subject to all applicable laws and regulations, unless and until renewed, reissued, revised, amended, suspended, or revoked by the ~~State Water Resources Control Board~~ *state board* or its deputy director, as authorized pursuant to subdivision (k).

(f) Any action or proceeding by or against the State Department of Public Health, including any officer or employee of the State Department of Public Health named in an official capacity, or any of its predecessors, pertaining to matters vested in the ~~State Water Resources Control Board~~ *state board* by this section shall not abate, but shall continue in the name of the ~~State Water Resources Control Board. The State Water Resources Control Board~~ *state board. The state board* shall be substituted for the State Department of Public Health, including any officer or employee of the State Department of Public Health named in an official capacity, and any of its predecessors, by the court or agency where the action or proceeding is pending. The substitution shall not in any way affect the rights of the parties to the action or proceeding.

(g) On and after the operative date of this section, the unexpended balance of all funds available for use by the State Department of Public Health or any of its predecessors in carrying out any functions transferred to the ~~State Water Resources Control Board~~ *state board* are available for use by the ~~State Water Resources Control Board.~~ *state board.*

(h) Books, documents, data, records, and property of the State Department of Public Health pertaining to functions transferred to the ~~State Water Resources Control Board~~ *state board* shall be transferred to the ~~State Water Resources Control Board.~~ *state board.* This subdivision does not transfer any part of property commonly known as the Richmond Campus that is owned by the State Public Works Board.

(i) A contract, lease, license, or any other agreement, including local primacy agreements, as described in Section 116330, to which the State Department of Public Health, any of its predecessors, its director, or their agents, is a party, are not void or voidable by reason of this section, but shall continue in full force and effect, with the ~~State Water Resources Control Board~~ *state board* assuming all of the rights, obligations, liabilities, and duties of the State Department of Public Health and any of its predecessors as it relates to the duties, powers, purposes, responsibilities, and jurisdiction vested in the ~~State Water Resources Control Board~~ *state board* pursuant to this section. This assumption does not affect the rights of the parties to the contract, lease, license, or agreement.

(j) If the Department of Water Resources entered into agreements on behalf of the State Department of Public Health or its predecessor, the State Department of Health Services, pursuant to Chapter 4.5 (commencing with Section 116760), the ~~State Water Resources Control Board~~ *state board* shall also succeed the Department of Water Resources as a party to those agreements and to all related security instruments, including, but not limited to, fiscal services agreements, deeds of trust, guarantees, letters of credit, and deposit control agreements.

(k) (1) The ~~State Water Resources Control Board~~ *state board* shall appoint a deputy director who reports to the executive director to oversee the issuance and enforcement of public water system permits and other duties as appropriate. The deputy director shall have public health expertise.

(2) The deputy director is delegated the ~~State Water Resources Control Board's~~ *state board's* authority to provide notice, approve notice content, approve emergency notification plans, and take other action pursuant to Article 5 (commencing with Section 116450), to issue, renew, reissue, revise, amend, or deny any public water system permits pursuant to Article 7 (commencing with Section 116525), to suspend or revoke any public water system permit pursuant to Article 8 (commencing with Section 116625), and to issue citations, assess penalties, or issue orders pursuant to Article 9 (commencing with Section 116650). Decisions and actions of the deputy director taken pursuant to Article 5 (commencing with Section 116450) or Article 7 (commencing with Section 116525) are deemed decisions and actions ~~taken,~~ *taken by the state board,* but are not subject to ~~reconsideration, by the State Water Resources Control Board.~~ *reconsideration by the state board except as provided in Section 116540.* Decisions and actions of the deputy director taken pursuant to Article 8 (commencing with Section 116625) and Article 9 (commencing with Section 116650) are deemed decisions and actions taken by the ~~State Water Resources Control Board,~~ *state board,* but any aggrieved person may petition the ~~State Water Resources Control Board~~ *state board* for reconsideration of the decision or action. This subdivision is not a limitation on the ~~State Water Resources Control Board's~~ *state board's* authority to delegate any other powers and duties.

(3) The ~~State Water Resources Control Board~~ *state board* shall not delegate any authority, duty, power, purpose, function, or responsibility specified in this section, including, but not limited to, issuance and enforcement of public water system permits, to the regional water quality control boards.

~~(l) This section shall become operative on July 1, 2014.~~

SEC. 27. Section 116425 of the Health and Safety Code is amended to read:

116425. (a) The ~~department~~ *state board* may exempt ~~any~~ *a* public water system from ~~any~~ *a* maximum contaminant level or treatment technique requirement if it finds all the following:

(1) The public water system was in operation, or had applied for a permit to operate, on the effective date of the maximum contaminant level or treatment technique requirement.

(2) Due to compelling factors, which may include either of the following factors, the public water system is unable to comply with the maximum contaminant level or treatment technique requirement or to implement measures to develop an alternative water supply:

(A) Economic factors.

(B) The entire service area of the public water system consists of a disadvantaged community, as defined under Section 1452(d) of the federal Safe Drinking Water Act (42 U.S.C. Sec. 300g-5), and meets the affordability criteria established by the department, after review and public hearing.

(3) The granting of the exemption will not result in an unreasonable risk to health.

(4) Management or restructuring changes, or both, cannot reasonably be made that will result in compliance with this chapter or, if compliance cannot be achieved, improve the quality of the drinking water.

(b) If the ~~department~~ *state board* grants a public water system an exemption for a primary drinking water standard under subdivision (a), the ~~department~~ *state board* shall prescribe, at the time ~~an~~ *the* exemption is granted, a schedule for both of the following:

(1) Compliance by the public water system with each contaminant level or treatment technique requirement for which the exemption was granted.

(2) Implementation by the public water system of interim control measures the ~~department~~ *state board* may require for each contaminant or treatment technique requirement for which the exemption was granted.

(c) Any schedule prescribed by the ~~department~~ *state board* pursuant to this section shall require compliance by the public water system with each contaminant level or treatment technique requirement for which the exemption was granted within 12 months from the granting of the exemption.

(d) The final date for compliance with any schedule issued pursuant to this section may be extended by the ~~department~~ *state board* for a period not to exceed three years from the date of the granting of the exemption if the ~~department~~ *state board* finds all of the following:

(1) The system cannot meet the standard without capital improvements that cannot be completed ~~prior to~~ *before* the date established pursuant to Section 1412(b)(1) of the federal Safe Drinking Water Act (42 U.S.C. 300g-(b)(1)).

(2) In the case of a system that needs financial assistance for the necessary improvements, the system has entered into an agreement to obtain the financial assistance or the system has entered into an enforceable agreement to become part of a regional public water system.

(3) The system is taking all practicable steps to meet the standard.

(e) In the case of a system that does not serve more than a population of 3,300 and that needs financial assistance for the necessary improvements, an exemption granted pursuant to paragraph (2) of subdivision (d) shall not exceed a total of six years.

(f) Prior to the granting of an exemption pursuant to this section, the ~~department~~ *state board* shall provide notice and an opportunity for a public hearing. Notice of any public hearing held pursuant to this section shall be given by the ~~department~~ *state board* in writing to the public water system seeking the exemption and to the public as provided in Section 6061 of the Government Code. A public hearing provided pursuant to this subdivision is not an adjudicative hearing and is not required to comply with Section 100171.

(g) A public water system ~~may~~ *shall* not receive an exemption under this section if the system is granted a variance pursuant to Section 116430.

(h) Unless the ~~department~~ *state board* has already granted an exemption pursuant to subdivision (a), the ~~department~~ *state board* may exempt a public water system from compliance with a maximum

~~containment~~ *contaminant* level or treatment technique requirement for up to two years if the ~~department~~ *state board* finds, and continues to find, that a plan submitted by the water system may reasonably be expected to bring the water system into compliance by any of the following means:

(1) The physical consolidation of the system with one or more other systems.

(2) The consolidation of significant management and administrative functions of the system with one or more other systems.

(3) The transfer of ownership of the system.

SEC. 28. Section 116540 of the Health and Safety Code is amended to read:

116540. (a) Following completion of the investigation and satisfaction of the requirements of paragraphs (1) and (2), the state board shall issue or deny the permit. The state board may impose permit conditions, requirements for system improvements, technical, financial, or managerial requirements, and time schedules as it deems necessary to ensure a reliable and adequate supply of water at all times that is pure, wholesome, potable, and does not endanger the health of consumers.

(1) A public water system that was not in existence on January 1, 1998, shall not be granted a permit unless the public water system demonstrates to the state board that the water supplier possesses adequate financial, managerial, and technical capability to ensure the delivery of pure, wholesome, and potable drinking water. This section shall also apply to any change of ownership of a public water system.

(2) A permit under this chapter shall not be issued to an association organized under Title 3 (commencing with Section 18000) of the Corporations Code. This section shall not apply to unincorporated associations that, as of December 31, 1990, are holders of a permit issued under this chapter.

(b) Notwithstanding Section 116330, a local primacy agency shall not issue a permit under this article without the concurrence of the state board.

(c) In considering whether to approve a proposed new public water system, the state board shall consider the sustainability of the proposed new public water system and its water supply in the reasonably foreseeable future, in view of global climate change, potential migration of groundwater contamination and other potential treatment needs, and other factors that can significantly erode a system's capacity.

(d) If the state board determines that it is feasible for the service area of the public water system addressed by an application under this article to be served by one or more permitted public water systems identified pursuant to paragraph (1) of subdivision (c) of Section 116527, the state board may deny the permit of a proposed new public water system if it determines, based on its assessment of the preliminary technical report submitted pursuant to Section 116527, the permit application, and other relevant, substantial evidence submitted, that it is reasonably foreseeable that the proposed new public water system will be unable to provide affordable, safe drinking water in the reasonably foreseeable future.

(e) An applicant may ~~appeal decisions and actions of~~ *petition the state board for reconsideration of a decision of action of* the deputy director taken pursuant to this ~~section to the state board.~~ *section.*

SEC. 29. Section 116625 of the Health and Safety Code is amended to read:

116625. (a) The ~~department, after a hearing noticed and conducted as provided in Section 100171,~~ *state board, after providing notice to the permittee and opportunity for a hearing,* may suspend or revoke any permit issued pursuant to this chapter if the ~~department~~ *state board* determines pursuant to the hearing that the permittee is not complying with the permit, this chapter, or any regulation, standard, or order issued or adopted thereunder, or that the permittee has made a false statement or representation on any application, record, or report maintained or submitted for purposes of compliance with this chapter. If the ~~permit~~ *permittee does not request a hearing within the period specified in the notice, the state board may suspend or revoke the permit without a hearing. If the permittee submits a timely request for a hearing, the hearing shall be before the state board or a member of the state board, in accordance with Section 183 of the Water Code and the rules for adjudicative proceedings adopted under Section 185 of the Water Code. If the permit* at issue has been temporarily suspended pursuant to subdivision ~~(c),~~ *(b),* the ~~accusation shall be served and notice of the hearing date given~~ *notice shall be provided* within 15 days of the effective date of the temporary suspension order. The commencement of the hearing *under this subdivision* shall be as soon as practicable, but ~~in~~ no ~~case~~ later than

60 days after the effective date of the temporary suspension ~~order.~~ *order, unless the state board grants an extension of the 60 day period upon request of the permittee.*

~~(b) The permittee may file with the superior court a petition for a writ of mandate for review of any decision of the department made pursuant to subdivision (a). Failure to file a petition shall not preclude a party from challenging the reasonableness or validity of a decision of the department in any judicial proceeding to enforce the decision or from pursuing any remedy authorized by this chapter.~~

~~(c)~~ *(b)* The ~~department~~ *state board* may temporarily suspend any permit issued pursuant to this chapter ~~prior to~~ *before* any hearing when the action is necessary to prevent an imminent or substantial danger to health. The ~~director~~ *state board* shall notify the permittee of the temporary suspension and the effective date ~~thereof~~ *of the temporary suspension* and, at the same time, notify the permittee that a hearing has been scheduled. The hearing shall be held as soon as possible, but not later than 15 days after the effective date of the temporary suspension *unless the state board grants an extension of the 15 day period upon request of the permittee,* and shall deal only with the issue of whether the temporary suspension shall remain in place pending a hearing ~~on the merits.~~ *under subdivision (a). The hearing shall be conducted under the rules for adjudicative proceedings adopted by the state board under Section 185 of the Water Code.* The temporary suspension shall remain in effect until the hearing *under this subdivision* is completed and the ~~director~~ *state board* has made a final determination on the temporary suspension, ~~that in any event~~ *which* shall be made within 15 days after the completion of the ~~hearing.~~ *hearing unless the state board grants an extension of the 15 day period upon request of the permittee.* If the determination is not transmitted within 15 days after the hearing is completed, ~~the~~ *or any extension of this period requested by the permittee, the* temporary suspension shall be of no further effect. Dissolution of the temporary suspension does not deprive the ~~department~~ *state board* of jurisdiction to proceed with a hearing on the merits under subdivision (a).

SEC. 30. Section 116700 of the Health and Safety Code is amended to read:

116700. (a) Within 30 days after service of a copy of ~~an~~ *a decision or* order issued by the state board, an aggrieved party may file with the superior court a petition for a writ of mandate for review of the *decision or* order.

(b) In every case, the court shall exercise its independent judgment on the evidence.

(c) Except as otherwise provided in this section, subdivisions (e) and (f) of Section 1094.5 of the Code of Civil Procedure shall govern proceedings pursuant to this section.

(d) If no aggrieved party petitions for a writ of mandate within the time provided by this section, the decision or order of the state board is not subject to review by any court.

SEC. 31. Section 116701 of the Health and Safety Code is amended to read:

116701. (a) *(1)* Within 30 days of issuance of an order or decision ~~issued by the deputy director~~ *under authority delegated to an officer or employee of the state board* under Article 8 (commencing with Section 116625) or Article 9 (commencing with Section 116650), an aggrieved person may petition the state board for reconsideration. ~~Where the order or decision of the deputy director is issued after a hearing under Chapter 5 (commencing with Section 11500) of Part 1 of Division 3 of Title 2 of the Government Code, this section shall apply instead of Section 11521 of the Government Code.~~

(2) Within 30 days of issuance of an order or decision under authority delegated to an officer or employee of the state board under Section 116540, the applicant may petition the state board for reconsideration.

(3) Within 30 days of final action by an officer or employee of the state board acting under delegated authority, the owner of a laboratory that was the subject of the final action may petition the state board for reconsideration of any of the following actions:

(A) Denial of an application for certification or accreditation under Section 100855.

(B) Issuance of an order directing compliance under Section 100875.

(C) Issuance of a citation under Section 100880.

(D) Assessment of a penalty under subdivision (e) of Section 100880.

(b) The petition shall include the name and address of the petitioner, a copy of the order or decision for which the petitioner seeks reconsideration, identification of the reason the petitioner alleges the issuance of the order *or decision* was inappropriate or improper, the specific action the petitioner requests, and other information as the state board may prescribe. The petition shall be accompanied by a statement of points and authorities of the legal issues raised by the petition.

(c) The evidence before the state board shall consist of the record before the ~~deputy director~~ *officer or employee who issued the order or decision* and any other relevant evidence that, in the judgment of the state board, should be considered to implement the policies of this chapter. The state board may, in its discretion, hold a hearing for receipt of additional evidence.

(d) The state board may refuse to reconsider the order or decision if the petition fails to raise substantial issues that are appropriate for review, may deny the petition upon a determination that the issuance of the order or decision was appropriate and proper, may set aside or modify the order or decision, or take other appropriate action. The state board's action pursuant to this subdivision shall constitute the state board's completion of its reconsideration.

(e) The state board, upon notice and hearing, if a hearing is held, may stay in whole or in part the effect of the order or decision ~~of the deputy director.~~ *subject to the petition for reconsideration.*

(f) If an order ~~of the deputy director~~ *or decision* is subject to reconsideration under this section, the filing of a petition for reconsideration is an administrative remedy that must be exhausted before filing a petition for writ of mandate under Section ~~116625~~ *100920.5* or 116700.

SEC. 32. Section 21080.26 of the Public Resources Code is amended to read:

21080.26. This division does not apply to minor alterations to utilities made for the purposes of complying with Sections ~~4026.7~~ *116410* and ~~4026.8~~ *116415* of the Health and Safety Code or regulations adopted thereunder.

SEC. 33. *No reimbursement is required by this act pursuant to Section 6 of Article XIII B of the California Constitution because the only costs that may be incurred by a local agency or school district will be incurred because this act creates a new crime or infraction, eliminates a crime or infraction, or changes the penalty for a crime or infraction, within the meaning of Section 17556 of the Government Code, or changes the definition of a crime within the meaning of Section 6 of Article XIII B of the California Constitution.*

REGULATIONS UPDATE

Revised Timeline

- We've extended our regulations timeline
- Resource constraints have necessitated this adjustment
- ELTAC's role remains unchanged
  - We'll ask for your comments first at a future meeting

Comments on Preliminary Draft Text

- We accepted public comments on the preliminary draft text from July 24th-Sept 7th
- Our preliminary plan is to incorporate approximately 85% of the comments received
  - A majority suggested clarification on ambiguous language
- The remaining comments are on policy decisions
  - These are still under consideration
- Thank you to all who provided input

Quarterly Reporting

- We heard your concerns
  - And have taken them to heart
- We have proposed a compromise to the State Agency Partners Committee
  - Laboratories would submit their annual internal audit instead
- Agency Partners seem amenable
  - As long as ELAP defines what is expected in the internal audits
- The intent is to help labs proactively improve

FIELDS OF ACCREDITATION

Jacob Oaxaca, ELAP

New Fields of Accreditation

- The Fields of Accreditation are not included in the draft regulation text
  - Leaving them out allows us more flexibility to change them as needed
- We're proposing to reorganize them based on method + technology
- Draft FOTs are in your meeting materials
  - Thank you to Andy Eaton for his help in drafting these
- We're looking for ELTAC's feedback

MICROBIOLOGY
Proposed Field of Accreditation #1100

Program	Subgroup Code	Analyte Code	Method	Analyte	Technology
Drinking Water					
DW	101.090	001	Chromocult	Total Coliform, P/A	Enzyme Substrate
DW	101.090	002	Chromocult	E. Coli, P/A	Enzyme Substrate
DW	101.100	001	Colitag	Total Coliform, P/A	Enzyme Substrate
DW	101.100	002	Colitag	E. Coli, P/A	Enzyme Substrate
DW	101.060	001	E*Colite	Total Coliform, P/A	Enzyme Substrate
DW	101.060	002	E*Colite	E. Coli, P/A	Enzyme Substrate
DW	101.170	001	Enterolert	Enterococci	Enzyme Substrate
DW	101.160	001	EPA 1600	Enterococci	Membrane Filter
DW	101.190	001	EPA 1601	Coliphage, P/A	Membrane Filter
DW	101.200	001	EPA 1602	Coliphage, P/A	Membrane Filter
DW	101.120	001	EPA 1603	E. Coli, Enumeration	Membrane Filter
DW	101.130	001	EPA 1604	Total Coliform, P/A	Membrane Filter
DW	101.130	002	EPA 1604	E. Coli, P/A	Membrane Filter
DW	101.130	003	EPA 1604	Total Coliform, Enumeration	Membrane Filter
DW	101.130	004	EPA 1604	E. Coli, Enumeration	Membrane Filter
DW	101.210	001	Fast Phage	Coliphage, P/A	Enzyme Substrate
DW	101.070	001	m-ColiBlue24	Total Coliform, P/A	Membrane Filter
DW	101.070	002	m-ColiBlue24	E. Coli, P/A	Membrane Filter
DW	101.070	003	m-ColiBlue24	Total Coliform, Enumeration	Membrane Filter
DW	101.070	004	m-ColiBlue24	E. Coli, Enumeration	Membrane Filter
DW	101.080	001	ReadyCult	Total Coliform, P/A	Enzyme Substrate
DW	101.080	002	ReadyCult	E. Coli, P/A	Enzyme Substrate
DW	101.020	004	SM 9221 B,C	Total Coliform, Enumeration	Multiple Tube Fermentation
DW	101.020	002	SM 9221 B,E	Fecal Coliform, P/A	Multiple Tube Fermentation
DW	101.020	005	SM 9221 B,E	Fecal Coliform, Enumeration	Multiple Tube Fermentation
DW	101.020	003	SM 9221 B,F	E. Coli, P/A	Multiple Tube Fermentation
DW	101.020	006	SM 9221 B,F	E. Coli, Enumeration	Multiple Tube Fermentation
DW	101.030	001	SM 9221 D	Total Coliform, P/A	Presence-Absence
DW	101.030	002	SM 9221 D,E	Fecal Coliform, P/A	Presence-Absence
DW	101.030	003	SM 9221 D,F	E. Coli, P/A	Presence-Absence
DW	101.040	001	SM 9222 B	Total Coliform, P/A	Membrane Filter
DW	101.040	005	SM 9222 B	Total Coliform, Enumeration	Membrane Filter
DW	101.040	003	SM 9222 C	Total Coliform, P/A	Membrane Filter, Delayed
DW	101.040	007	SM 9222 C	Total Coliform, Enumeration	Membrane Filter, Delayed
DW	101.040	002	SM 9222 D	Fecal Coliform, P/A	Membrane Filter
DW	101.040	006	SM 9222 D	Fecal Coliform, Enumeration	Membrane Filter
DW	101.040	004	SM 9222 G	E. Coli, P/A	Membrane Filter, Two Step
DW	101.040	008	SM 9222 G	E. Coli, Enumeration	Membrane Filter, Two Step

Program	Subgroup Code	Analyte Code	Method	Analyte	Technology
DW	101.050	001	SM 9223 B Colilert	Total Coliform, P/A	Enzyme Substrate
DW	101.050	002	SM 9223 B Colilert	E. Coli, P/A	Enzyme Substrate
DW	101.050	003	SM 9223 B Colilert	Total Coliform, Enumeration	Enzyme Substrate
DW	101.050	004	SM 9223 B Colilert	E. Coli, Enumeration	Enzyme Substrate
DW	101.050	005	SM 9223 B Colilert 18	Total Coliform, P/A	Enzyme Substrate
DW	101.050	006	SM 9223 B Colilert 18	E. Coli, P/A	Enzyme Substrate
DW	101.050	007	SM 9223 B Colilert 18	Total Coliform, Enumeration	Enzyme Substrate
DW	101.050	008	SM 9223 B Colilert 18	E. Coli, Enumeration	Enzyme Substrate
DW	101.050	009	SM 9223 B Colisure	Total Coliform, P/A	Enzyme Substrate
DW	101.050	010	SM 9223 B Colisure	E. Coli, P/A	Enzyme Substrate
DW	101.050	011	SM 9223 B Colisure	Total Coliform, Enumeration	Enzyme Substrate
DW	101.050	012	SM 9223 B Colisure	E. Coli, Enumeration	Enzyme Substrate
DW	101.140	001	SM 9230 B	Enterococci	Multiple Tube Fermentation
DW	101.150	001	SM 9230 C	Enterococci	Membrane Filter
DW	101.180	001	Tecta EC/TC	Total Coliform, P/A	Enzyme Substrate
DW	101.180	002	Tecta EC/TC	E. Coli, P/A	Enzyme Substrate
Wastewater					
WW	107.247	001	9221B.1-2006/9221F-2006	E. Coli	MTF/EC-Mug
WW	107.242	001	Enterolert	Enterococci	Enterolert/Idexx
WW	107.244	001	EPA 1600	Enterococci	MF/mEI
WW	107.246	001	EPA 1603	E. Coli	MF/modified mTEC
WW	107.248	001	EPA 1680	Fecal Coliform	MTF/LTB & EC media
WW	107.249	001	EPA 1681	Fecal Coliform	MTF/A-1 media
WW	107.120	001	EPA 600/8-78-017, p108	Total Coliform	MF
WW	107.130	001	EPA 600/8-78-017, p111	Total Coliform with Chlorine Present	MF
WW	107.160	001	EPA 600/8-78-017, p114	Total Coliform	MTF
WW	107.170	001	EPA 600/8-78-017, p114	Total Coliform with Chlorine Present	MTF
WW	107.140	001	EPA 600/8-78-017, p124	Fecal Coliform	MF
WW	107.150	001	EPA 600/8-78-017, p124	Fecal Coliform with Chlorine Present	MF
WW	107.180	001	EPA 600/8-78-017, p132	Fecal Coliform	MTF
WW	107.190	001	EPA 600/8-78-017, p132	Fecal Coliform with Chlorine Present	MTF
WW	107.200	001	EPA 600/8-78-017, p136	Fecal Streptococci	MF
WW	107.210	001	EPA 600/8-78-017, p139	Fecal Streptococci	MTF
WW	107.220	001	EPA 600/8-78-017, p143	Fecal Streptococci	Plate Count
WW	107.230	001	EPA 600/8-78-017, p143	Enterococci	Plate Count
WW	107.250	001	mColiBlue-24	E. Coli	MF
WW	107.010	001	SM9215B	Heterotrophic Bacteria	HPC
WW	107.020	002	SM9221B-2006	Total Coliform	MTF
WW	107.030	002	SM9221B-2006	Total Coliform with Chlorine Present	MTF

MICROBIOLOGY
Proposed Field of Accreditation #1100

Program	Subgroup Code	Analyte Code	Method	Analyte	Technology
WW	107.040	002	SM9221C,E-2006	Fecal Coliform	MTF
WW	107.050	002	SM9221C,E-2006	Fecal Coliform with Chlorine Present	MTF
WW	107.070	002	SM9222B + B.5c-1997	Total Coliform with Chlorine Present	MF
WW	107.060	002	SM9222B-1997	Total Coliform	MF
WW	107.080	002	SM9222D-1997	Fecal Coliform	MF
WW	107.090	002	SM9222D-1997	Fecal Coliform with Chlorine Present	MF
WW	107.245	002	SM9223B-2004	E. coli	Colilert/Idexx
WW	107.245	003	SM9223B-2004	E. coli	Colisure/Idexx
WW	107.100	002	SM9230B-2007	Fecal Streptococci	MTF
WW	107.110	002	SM9230C-2007	Fecal Streptococci	MF
WW	107.110	003	SM9230C-2007	Enterococci	MF
Recreational Water					
HW	126.080	001	Enterolert	Enterococci	Idexx
HW	116.020	030	EPA 8015B	Nonhalogenated Volatiles	
HW	126.010	001	SM9221B-2006	Total Coliform (Enumeration)	MTF
HW	126.030	001	SM9221C,E-2006	Fecal Coliform (Enumeration)	MTF
HW	126.020	001	SM9222B-1997	Total Coliform (Enumeration)	MF
HW	126.040	001	SM9222D-1997	Fecal Coliform (Enumeration)	MF
HW	126.050	001	SM9223B-2004	Total Coliform (Enumeration)	Colilert/Idexx
HW	126.050	002	SM9223B-2004	E. coli (Enumeration)	Colilert/Idexx
HW	126.060	001	SM9230B	Enterococci	MF
HW	126.070	001	SM9230C	Enterococci	MF

PHYSICAL AND INORGANIC **DRAFT**

Proposed Field of Accreditation #1110

Program	Subgroup Code	Analyte Code	Method	Analyte	Technology
Drinking Water					
DW	102.015	001	EPA 150.1	Hydrogen Ion (pH)	Electrometric
DW	102.016	001	EPA 150.2	Hydrogen Ion (pH)	Electrometric (Continous)
DW	102.020	001	EPA 180.1	Turbidity	Nephelometric
DW	102.053	002	EPA 327.0	Chlorine Dioxide	Spectrophotometric
DW	102.056	001	EPA 334.0	Chlorine, Free Available	Chlorine Analyzer
DW	102.056	002	EPA 334.0	Chlorine, Combined	Chlorine Analyzer
DW	102.056	003	EPA 334.0	Chlorine, Total Residual	Chlorine Analyzer
DW	102.095	001	SM 2130B-2001	Turbidity	Nephelometric
DW	102.100	001	SM 2320 B-1997	Alkalinity	Titrimeteric
DW	102.130	001	SM 2510 B-1997	Conductivity	Conductivity Meter
DW	102.140	001	SM 2540 C-1997	Residue, Filterable TDS	Gravimetric
DW	102.172	001	SM 4500-Cl D-2000	Chlorine, Combined	Titrimetric
DW	102.172	002	SM 4500-Cl D-2000	Chlorine, Free Available	Titrimetric
DW	102.172	003	SM 4500-Cl D-2000	Chlorine, Total Residual	Titrimetric
DW	102.173	001	SM 4500-Cl E-2000	Chlorine, Free Available	Amperometeric
DW	102.174	001	SM 4500-Cl F-2000	Chlorine, Free Available	DPD-FAS
DW	102.174	002	SM 4500-Cl F-2000	Chlorine, Total Residual	DPD-FAS
DW	102.175	001	SM 4500-Cl G-2000	Chlorine, Free Available	Spectrophotometric
DW	102.175	002	SM 4500-Cl G-2000	Chlorine, Total Residual	Spectrophotometric
DW	102.180	001	SM 4500-ClO2 D-2000	Chlorine Dioxide	DPD
DW	102.182	002	SM 4500-ClO2 E-2000	Chlorine Dioxide	Potentiometric
DW	102.203	001	SM 4500-H\+\ B-2000	Hydrogen Ion (pH)	Electrometric
DW	102.173	002	SM 4500-Cl E-2000	Chlorine, Total Residual	Amperometeric
Wastewater					
WW	108.020	001	EPA 120.1 Rev. 1982	Conductivity	Conductivity Meter
WW	108.051	001	EPA 150.2 (Dec. 1982)	Hydrogen Ion (pH)	Automated Electrode
WW	108.090	001	EPA 160.4 (Issued 1971)	Residue, Volatile	Gravimetric at 550°
WW	108.110	001	EPA 180.1 Rev. 2.0 (1993)	Turbidity	Nephelometric
WW	108.385	001	SM 2120B-2001	Color	Visual Comparison
WW	108.390	001	SM 2130B-2001	Turbidity	Nephelometric
WW	108.400	001	SM 2310 B-1997	Acidity	Titrimeteric
WW	108.410	001	SM 2320 B-1997	Alkalinity	Titrimeteric
WW	108.430	001	SM 2510 B-1997	Conductivity	Conductivity Meter
WW	108.440	001	SM 2540 B-1997	Residue, Total	Gravimetric
WW	108.441	001	SM 2540 C-1997	Residue, Filterable TDS	Gravimetric
WW	108.442	001	SM 2540 D-1997	Residue, Non-filterable TSS	Gravimetric
WW	108.439	001	SM 2540 E-1997	Reidue, Volatile	Gravimetric
WW	108.443	001	SM 2540 F-1997	Residue, Settleable	Volumetric

Program	Subgroup Code	Analyte Code	Method	Analyte	Technology
WW	108.444	001	SM 2550 B-2000	Temperature	Thermometric
WW	108.460	001	SM 4500-Cl B-2000	Chlorine, Total residual	Iodometric direct
WW	108.461	001	SM 4500-Cl C-2000	Chlorine, Total residual	Back titration
WW	108.462	001	SM 4500-Cl D-2000	Chlorine, Total residual	Amperometric
WW	108.462	002	SM 4500-Cl D-2000	Chlorine, Free Available	Amperometric
WW	108.463	001	SM 4500-Cl E-2000	Chlorine, Total residual	Amperometric, low level
WW	108.463	002	SM 4500-Cl E-2000	Chlorine, Free Available	Amperometric, low level
WW	108.464	001	SM 4500-Cl F-2000	Chlorine, Total residual	DPD-FAS
WW	108.464	002	SM 4500-Cl F-2000	Chlorine, Free Available	DPD-FAS
WW	108.465	001	SM 4500-Cl G-2000	Chlorine, Total residual	Spectrophotometric
WW	108.465	002	SM 4500-Cl G-2000	Chlorine, Free Available	Spectrophotometric
WW	108.141	001	EPA 310.2 (Rev. 1974)	Alkalinity	Automated Colorimetric

Program	Subgroup Code	Analyte Code	Method	Analyte	Technology
Drinking Water					
DW	102.025	001	EPA 200.5	Calcium	ICP-AES
DW	102.025	002	EPA 200.5	Magnesium	ICP-AES
DW	102.025	003	EPA 200.5	Silica	ICP-AES
DW	102.025	004	EPA 200.5	Sodium	ICP-AES
DW	102.026	001	EPA 200.7	Calcium	ICP-AES
DW	102.026	002	EPA 200.7	Magnesium	ICP-AES
DW	102.026	003	EPA 200.7	Potassium	ICP-AES
DW	102.026	004	EPA 200.7	Silica	ICP-AES
DW	102.026	005	EPA 200.7	Sodium	ICP-AES
DW	102.026	006	EPA 200.7	Hardness (Calculation)	ICP-AES
DW	102.030	001	EPA 300.0	Bromide	Ion Chromatography
DW	102.030	002	EPA 300.0	Chlorate	Ion Chromatography
DW	102.030	003	EPA 300.0	Chloride	Ion Chromatography
DW	102.030	004	EPA 300.0	Chlorite	Ion Chromatography
DW	102.030	005	EPA 300.0	Fluoride	Ion Chromatography
DW	102.030	006	EPA 300.0	Nitrate	Ion Chromatography
DW	102.030	007	EPA 300.0	Nitrite	Ion Chromatography
DW	102.030	008	EPA 300.0	Phosphate, Ortho	Ion Chromatography
DW	102.030	009	EPA 300.0	Sulfate	Ion Chromatography
DW	102.040	001	EPA 300.1	Bromide	Ion Chromatography
DW	102.040	002	EPA 300.1	Chlorite	Ion Chromatography
DW	102.040	003	EPA 300.1	Chlorate	Ion Chromatography
DW	102.040	004	EPA 300.1	Bromate	Ion Chromatography
DW	102.040	005	EPA 300.1	Chloride	Ion Chromatography
DW	102.040	006	EPA 300.1	Fluoride	Ion Chromatography
DW	102.040	007	EPA 300.1	Nitrate	Ion Chromatography
DW	102.040	008	EPA 300.1	Nitrite	Ion Chromatography
DW	102.040	009	EPA 300.1	Phosphate, Ortho	Ion Chromatography
DW	102.040	010	EPA 300.1	Sulfate	Ion Chromatography
DW	102.041	001	EPA 302.0	Bromate	Ion Chromatography
DW	102.044	001	EPA 317.0	Bromate	Ion Chromatography
DW	102.044	002	EPA 317.0	Bromide	Ion Chromatography
DW	102.044	003	EPA 317.0	Chlorite	Ion Chromatography
DW	102.045	001	EPA 314.0	Perchlorate	Ion Chromatography
DW	102.046	001	EPA 314.1	Perchlorate	Ion Chromatography
DW	102.050	001	EPA 335.4	Cyanide	Semi Auto Colorimetric
DW	102.051	001	EPA 321.8	Bromate	Ion Chromatography
DW	102.052	001	EPA 326.0	Bromate	Ion Chromatography
DW	102.052	002	EPA 326.0	Bromide	Ion Chromatography
DW	102.052	003	EPA 326.0	Chlorite	Ion Chromatography
DW	102.053	001	EPA 327.0	Chlorite	Spectrophotometric

Program	Subgroup Code	Analyte Code	Method	Analyte	Technology
DW	102.060	001	EPA 353.2	Nitrate (Calculation)	Automated Colorimetric
DW	102.061	001	EPA 353.2	Nitrite	Automated Colorimetric
DW	102.070	001	EPA 365.1	Phosphate, Ortho	Semi Auto Colorimetric
DW	102.080	001	EPA 375.2	Sulfate	Automated Colorimetric
DW	102.085	001	EPA 415.3 Rev. 1.1	Dissolved Organic Carbon DOC	Spectrophotometric
DW	102.085	002	EPA 415.3 Rev. 1.1	Specific UV Absorbance SUVA	Spectrophotometric
DW	102.085	003	EPA 415.3 Rev. 1.1	Total Organic Carbon TOC	Spectrophotometric
DW	102.085	004	EPA 415.3 Rev. 1.1	UV254	Spectrophotometric
DW	102.086	001	EPA 415.3 Rev. 1.2	Dissolved Organic Carbon DOC	Spectrophotometric
DW	102.086	002	EPA 415.3 Rev. 1.2	Specific UV Absorbance SUVA	Spectrophotometric
DW	102.086	003	EPA 415.3 Rev. 1.2	Total Organic Carbon TOC	Spectrophotometric
DW	102.086	004	EPA 415.3 Rev. 1.2	UV254	Spectrophotometric
DW	102.120	001	SM 2340 B-1997	Hardness (Calculation)	AA or ICP
DW	102.121	001	SM 2340 C-1997	Hardness	Titrimeteric
DW	102.146	001	SM 3111 B-1999	Calcium	AA Direct Aspiration
DW	102.146	002	SM 3111 B-1999	Magnesium	AA Direct Aspiration
DW	102.146	003	SM 3111 B-1999	Potassium	AA Direct Aspiration
DW	102.146	004	SM 3111 B-1999	Sodium	AA Direct Aspiration
DW	102.146	005	SM 3111 B-1999	Hardness (Calculation)	AA Direct Aspiration
DW	102.147	001	SM 3120 B-1999	Calcium	ICP-AES
DW	102.147	002	SM 3120 B-1999	Magnesium	ICP-AES
DW	102.147	003	SM 3120 B-1999	Potassium	ICP-AES
DW	102.147	004	SM 3120 B-1999	Silica	ICP-AES
DW	102.147	006	SM 3120 B-1999	Hardness (Calculation)	ICP-AES
DW	102.148	001	SM 3500-Ca B-1997	Calcium	Titrimetric
DW	102.149	001	SM 3500-Mg B-1997	Magnesium	Calculation
DW	102.150	001	SM 4110B-2000	Chloride	Ion Chromatography
DW	102.150	002	SM 4110B-2000	Fluoride	Ion Chromatography
DW	102.150	003	SM 4110B-2000	Nitrate	Ion Chromatography
DW	102.150	004	SM 4110B-2000	Nitrite	Ion Chromatography
DW	102.150	005	SM 4110B-2000	Phosphate, Ortho	Ion Chromatography
DW	102.150	006	SM 4110B-2000	Sulfate	Ion Chromatography
DW	102.170	001	SM 4500-Cl- B-1997	Chloride	Titrimeteric
DW	102.171	001	SM 4500-Cl- D-1997	Chloride	Potentiometric
DW	102.182	001	SM 4500-ClO2 E-2000	Chlorite	Amperometeric
DW	102.190	001	SM 4500-CN E-2000	Cyanide, Total	Spectrophotometric
DW	102.191	001	SM 4500-CN F-1999	Cyanide, Total	Electrode
DW	102.192	001	SM 4500-CN G-1999	Cyanide, amenable	Spectrophotometric
DW	102.200	001	SM 4500-F C-1997	Fluoride	Electrode
DW	102.201	001	SM 4500-F B,D-1997	Fluoride	Colorimetric
DW	102.202	001	SM 4500-F E-1997	Fluoride	Colorimetric
DW	102.220	001	SM 4500-NO2 B-2000	Nitrite	Spectrophotometric

Program	Subgroup Code	Analyte Code	Method	Analyte	Technology
DW	102.230	001	SM 4500-NO3-D-2000	Nitrate	Electrode
DW	102.232	001	SM 4500-NO3 E-2000	Nitrite	Cd Reduction Manual
DW	102.232	002	SM 4500-NO3 E-2000	Nitrate	Cd Reduction Manual
DW	102.234	001	SM 4500-NO3 F-2000	Nitrite	Cd Reduction Auto
DW	102.234	002	SM 4500-NO3 F-2000	Nitrate	Cd Reduction Auto
DW	102.240	001	SM 4500-P E-1999	Phosphate, Ortho	Colorimetric
DW	102.241	001	SM 4500-P F -1999	Phosphate, Ortho	Colorimetric
DW	102.242	001	SM 4500-SiO2 C-1997	Silica	Colorimetric
DW	102.243	001	SM 4500-SiO2 D-1997	Silica	Colorimetric
DW	102.244	001	SM 4500-SiO2 E-1997	Silica	Auto Colorimetric
DW	102.250	001	SM 4500-SO4 C,D-1997	Sulfate	Gravimetric
DW	102.251	001	SM 4500-SO4 E-1997	Sulfate	Turbidimetric
DW	102.252	001	SM 4500-SO4 F -1997	Sulfate	Auto Colorimetric
DW	102.260	001	SM 5310 B-2000	Organic carbon-Total (TOC)	Combustion
DW	102.261	001	SM 5310 B-2000	Organic carbon-Dissolved (DOC)	Combustion
DW	102.262	001	SM 5310C-2000	Organic carbon-Total (TOC)	Oxidation
DW	102.263	001	SM 5310C-2000	Organic carbon-Dissolved (DOC)	Oxidation
DW	102.264	001	SM 5310D-2000	Organic carbon-Total (TOC)	Oxidation
DW	102.265	001	SM 5310D-2000	Organic carbon-Dissolved (DOC)	Oxidation
DW	102.270	001	SM 5540C-2000	Surfactants	Colorimetric
DW	102.280	001	SM 5910B-2011	UV254	Spectrophotometric
DW	102.300	001	Hach 10206	Nitrate	Hach
DW	102.564	001	Kelada-01 Revision 1.2	Cyanide	Auto Colorimetric
DW	102.565	001	Quickchem 10-204-00-1-X	Cyanide	Auto Colorimetric
DW	102.570	001	OIA-1677, DW	Cyanide	FIA
DW	103.010	002	SM3111B	Copper	AA Furnace
DW	103.010	003	SM3111B	Iron	AA Furnace
DW	103.010	005	SM3111B	Manganese	AA Furnace
DW	103.010	006	SM3111B	Nickel	AA Furnace
DW	103.010	008	SM3111B	Silver	AA Furnace
DW	103.010	010	SM3111B	Zinc	AA Furnace
DW	103.020	001	SM3111D	Aluminum	AA Furnace
DW	103.020	002	SM3111D	Barium	AA Furnace
DW	103.030	001	SM3112B	Mercury	Cold Vapor AA
DW	103.040	001	SM3113B	Aluminum	AA Furnace
DW	103.040	002	SM3113B	Antimony	AA Furnace
DW	103.040	003	SM3113B	Arsenic	AA Furnace
DW	103.040	004	SM3113B	Barium	AA Furnace
DW	103.040	005	SM3113B	Beryllium	AA Furnace
DW	103.040	006	SM3113B	Cadmium	AA Furnace
DW	103.040	007	SM3113B	Chromium	AA Furnace
DW	103.040	008	SM3113B	Copper	AA Furnace

Program	Subgroup Code	Analyte Code	Method	Analyte	Technology
DW	103.040	009	SM3113B	Iron	AA Furnace
DW	103.040	010	SM3113B	Lead	AA Furnace
DW	103.040	011	SM3113B	Manganese	AA Furnace
DW	103.040	012	SM3113B	Nickel	AA Furnace
DW	103.040	013	SM3113B	Selenium	AA Furnace
DW	103.040	014	SM3113B	Silver	AA Furnace
DW	103.050	001	SM3114B	Arsenic	AA Manual Hydride
DW	103.050	002	SM3114B	Selenium	AA Manual Hydride
DW	103.060	001	SM3120B	Aluminum	ICP-AES
DW	103.060	003	SM3120B	Barium	ICP-AES
DW	103.060	004	SM3120B	Beryllium	ICP-AES
DW	103.060	007	SM3120B	Chromium	ICP-AES
DW	103.060	008	SM3120B	Copper	ICP-AES
DW	103.060	009	SM3120B	Iron	ICP-AES
DW	103.060	011	SM3120B	Manganese	ICP-AES
DW	103.060	012	SM3120B	Nickel	ICP-AES
DW	103.060	015	SM3120B	Silver	ICP-AES
DW	103.060	017	SM3120B	Zinc	ICP-AES
DW	103.125	001	EPA 200.5	Aluminum	ICP-AES
DW	103.125	002	EPA 200.5	Antimony	ICP-AES
DW	103.125	003	EPA 200.5	Arsenic	ICP-AES
DW	103.125	004	EPA 200.5	Barium	ICP-AES
DW	103.125	005	EPA 200.5	Beryllium	ICP-AES
DW	103.125	006	EPA 200.5	Cadmium	ICP-AES
DW	103.125	007	EPA 200.5	Chromium	ICP-AES
DW	103.125	008	EPA 200.5	Copper	ICP-AES
DW	103.125	009	EPA 200.5	Iron	ICP-AES
DW	103.125	010	EPA 200.5	Lead	ICP-AES
DW	103.125	011	EPA 200.5	Manganese	ICP-AES
DW	103.125	012	EPA 200.5	Nickel	ICP-AES
DW	103.125	013	EPA 200.5	Selenium	ICP-AES
DW	103.125	014	EPA 200.5	Silver	ICP-AES
DW	103.125	015	EPA 200.5	Zinc	ICP-AES
DW	103.130	001	EPA 200.7	Aluminum	ICP-AES
DW	103.130	003	EPA 200.7	Barium	ICP-AES
DW	103.130	004	EPA 200.7	Beryllium	ICP-AES
DW	103.130	005	EPA 200.7	Cadmium	ICP-AES
DW	103.130	007	EPA 200.7	Chromium	ICP-AES
DW	103.130	008	EPA 200.7	Copper	ICP-AES
DW	103.130	009	EPA 200.7	Iron	ICP-AES
DW	103.130	011	EPA 200.7	Manganese	ICP-AES
DW	103.130	012	EPA 200.7	Nickel	ICP-AES

Program	Subgroup Code	Analyte Code	Method	Analyte	Technology
DW	103.130	015	EPA 200.7	Silver	ICP-AES
DW	103.130	017	EPA 200.7	Zinc	ICP-AES
DW	103.130	018	EPA 200.7	Boron	ICP-AES
DW	103.150	001	EPA 200.9	Aluminum	STGFAA
DW	103.150	002	EPA 200.9	Antimony	STGFAA
DW	103.150	003	EPA 200.9	Arsenic	STGFAA
DW	103.150	004	EPA 200.9	Beryllium	STGFAA
DW	103.150	005	EPA 200.9	Cadmium	STGFAA
DW	103.150	006	EPA 200.9	Chromium	STGFAA
DW	103.150	007	EPA 200.9	Copper	STGFAA
DW	103.150	008	EPA 200.9	Iron	STGFAA
DW	103.150	009	EPA 200.9	Lead	STGFAA
DW	103.150	010	EPA 200.9	Manganese	STGFAA
DW	103.150	011	EPA 200.9	Nickel	STGFAA
DW	103.150	012	EPA 200.9	Selenium	STGFAA
DW	103.150	013	EPA 200.9	Silver	STGFAA
DW	103.150	014	EPA 200.9	Thallium	STGFAA
DW	103.150	015	EPA 200.9	Vanadium	STGFAA
DW	103.160	001	EPA 245.1	Mercury	Cold Vapor, Manual
DW	103.161	001	EPA 245.2	Mercury	Cold Vapor, Automated
DW	103.310	001	EPA 218.6	Chromium (VI)	Ion Chromatography
DW	103.311	001	EPA 218.7	Chromium (VI)	Ion Chromatography
Wastewater					
WW	108.030	001	EPA 130.1 (Issued 1971)	Hardness	Automated Colorimetric
WW	108.111	001	EPA 200.5, Rev. 4.2 (2003)	Boron	ICP-AES
WW	108.111	002	EPA 200.5, Rev. 4.2 (2003)	Calcium	ICP-AES
WW	108.111	003	EPA 200.5, Rev. 4.2 (2003)	Magnesium	ICP-AES
WW	108.111	004	EPA 200.5, Rev. 4.2 (2003)	Silica, Dissolved	ICP-AES
WW	108.111	005	EPA 200.5, Rev. 4.2 (2003)	Sodium	ICP-AES
WW	108.112	001	EPA 200.7, Rev. 4.4 (1994)	Boron	ICP-AES
WW	108.112	002	EPA 200.7, Rev. 4.4 (1994)	Calcium	ICP-AES
WW	108.112	003	EPA 200.7, Rev. 4.4 (1994)	Hardness (Calculation)	ICP-AES
WW	108.112	004	EPA 200.7, Rev. 4.4 (1994)	Magnesium	ICP-AES
WW	108.112	005	EPA 200.7, Rev. 4.4 (1994)	Potassium	ICP-AES
WW	108.112	006	EPA 200.7, Rev. 4.4 (1994)	Silica, Dissolved	ICP-AES
WW	108.112	007	EPA 200.7, Rev. 4.4 (1994)	Sodium	ICP-AES
WW	108.112	008	EPA 200.7, Rev. 4.4 (1994)	Phosphorous, Total	ICP-AES
WW	108.120	001	EPA 300.0, Rev 2.1 (1993)	Bromide	Ion Chromatography
WW	108.120	002	EPA 300.0, Rev 2.1 (1993)	Chloride	Ion Chromatography
WW	108.120	003	EPA 300.0, Rev 2.1 (1993)	Fluoride	Ion Chromatography
WW	108.120	008	EPA 300.0, Rev 2.1 (1993)	Sulfate (as SO4)	Ion Chromatography
WW	108.120	012	EPA 300.0, Rev 2.1 (1993)	Nitrate (as N)	Ion Chromatography

Program	Subgroup Code	Analyte Code	Method	Analyte	Technology
WW	108.120	013	EPA 300.0, Rev 2.1 (1993)	Nitrate-nitrite (as N)	Ion Chromatography
WW	108.120	014	EPA 300.0, Rev 2.1 (1993)	Nitrite (as N)	Ion Chromatography
WW	108.120	015	EPA 300.0, Rev 2.1 (1993)	Phosphate, Ortho(as P)	Ion Chromatography
WW	108.121	001	EPA 300.1, Rev 1.0 (1997)	Bromide	Ion Chromatography
WW	108.121	002	EPA 300.1, Rev 1.0 (1997)	Chloride	Ion Chromatography
WW	108.121	003	EPA 300.1, Rev 1.0 (1997)	Fluoride	Ion Chromatography
WW	108.121	008	EPA 300.1, Rev 1.0 (1997)	Sulfate (as SO4)	Ion Chromatography
WW	108.121	009	EPA 300.1, Rev 1.0 (1997)	Nitrate (as N)	Ion Chromatography
WW	108.121	010	EPA 300.1, Rev 1.0 (1997)	Nitrate-nitrite (as N)	Ion Chromatography
WW	108.121	011	EPA 300.1, Rev 1.0 (1997)	Nitrite (as N)	Ion Chromatography
WW	108.121	012	EPA 300.1, Rev 1.0 (1997)	Phosphate, Ortho(as P)	Ion Chromatography
WW	108.183	001	EPA 335.4, Rev. 1.0 (1993)	Cyanide, Total	Semi Auto Colorimetric
WW	108.209	001	EPA 350.1, Rev. 2.0 (1993)	Ammonia (as N)	Semi Auto Colorimetric
WW	108.209	002	EPA 350.1 Rev 2.0 1993	Kjeldahl Nitrogen,Total (as N)	Auto Color no distill
WW	108.210	002	EPA 351.1 Rev. 1978	Kjeldahl Nitrogen,Total (as N)	Semi Auto Color no distill
WW	108.211	002	EPA 351.2 Rev 2.0 1993	Kjeldahl Nitrogen,Total (as N)	Semi Auto Color no distill
WW	108.220	002	EPA 352.1 (Issued1971)	Nitrate (as N)	Colorimetric
WW	108.232	003	EPA 353.2 Rev. 2.0 (1993)	Nitrate-nitrite (as N)	Colorimetric
WW	108.232	004	EPA 353.2 Rev. 2.0 (1993)	Nitrite (as N)	Automated Reduction
WW	108.260	001	EPA 365.1 Rev. 2.0 (1993)	Phosphate, Ortho	Auto Ascorbic acid
WW	108.261	001	EPA 365.1 Rev. 2.0 (1993)	Phosphorus, Total	Auto Ascorbic acid
WW	108.264	001	EPA 365.3 (Issued 1978)	Phosphate, Ortho	Manual two reagent
WW	108.265	001	EPA 365.3 (Issued 1978)	Phosphorus, Total	Manual Ascorbic acid
WW	108.266	001	EPA 365.4 (Issued 1974)	Phosphorus, Total	Semi Auto Colorimetric
WW	108.267	001	EPA 200.7, Rev. 4.4 (1994)	Phosphorus, Total	ICP-AES
WW	108.283	001	EPA 375.2, Rev. 2.0 (1993)	Sulfate (as SO4)	Automated Colorimetric
WW	108.322	001	EPA 410.3 (Issued 1978)	Chemical Oxygen Demand	Titrimeteric
WW	108.323	001	EPA 410.4, Rev. 2.0 (1993)	Chemical Oxygen Demand	Spectrophotometric
WW	108.360	001	EPA 420.1\1\(Rev. 1978)	Phenols, Total	Manual Colorimetric
WW	108.362	001	EPA 420.4 Rev. 1.0 (1993)	Phenols, Total	Automated Colorimetric
WW	108.379	001	EPA 1627	Acid mine Drainage	
WW	108.381	001	EPA 1664 A	Oil and Grease, Total Recoverable	Gravimetric
WW	108.381	002	EPA 1664 Revision B	Oil and Grease, Total Recoverable	Gravimetric
WW	108.420	001	SM 2340 B-1997	Hardness (calculation)	AA or ICP
WW	108.421	001	SM 2340 C-1997	Hardness	Titrimetric
WW	108.445	001	SM 3111 B-1999	Calcium	AA Direct Aspiration
WW	108.445	002	SM 3111 B-1999	Hardness (calculation)	AA Direct Aspiration
WW	108.445	003	SM 3111 B-1999	Magnesium	AA Direct Aspiration
WW	108.445	004	SM 3111 B-1999	Potassium	AA Direct Aspiration
WW	108.445	005	SM 3111 B-1999	Sodium	AA Direct Aspiration
WW	108.447	001	SM 3120 B-1999	Boron	ICP-AES
WW	108.447	002	SM 3120 B-1999	Calcium	ICP-AES

Program	Subgroup Code	Analyte Code	Method	Analyte	Technology
WW	108.447	003	SM 3120 B-1999	Hardness (calulation)	ICP-AES
WW	108.447	004	SM 3120 B-1999	Magnesium	ICP-AES
WW	108.447	005	SM 3120 B-1999	Potassium	ICP-AES
WW	108.447	006	SM 3120 B-1999	Silica, Dissolved	ICP-AES
WW	108.447	007	SM 3120 B-1999	Sodium	ICP-AES
WW	108.447	008	SM 3120 B-1999	Phosphorus, Total	ICP-AES
WW	108.448	001	SM 4110 B, C, D-2000	Bromide	Ion Chromatography
WW	108.448	002	SM 4110 B or C-2000	Chloride	Ion Chromatography
WW	108.448	003	SM 4110 B or C-2000	Fluoride	Ion Chromatography
WW	108.448	004	SM 4110 B or C-2000	Nitrate (as N)	Ion Chromatography
WW	108.448	005	SM 4110 B or C-2000	Nitrite (as N)	Ion Chromatography
WW	108.448	006	SM 4110 B or C-2000	Nitrate-nitrite (as N)	Ion Chromatography
WW	108.448	007	SM 4110 B or C-2000	Phosphate, Ortho (as P)	Ion Chromatography
WW	108.448	008	SM 4110 B or C-2000	Sulfate (as SO4)	Ion Chromatography
WW	108.449	001	SM 3500-Ca B-1997	Calcium	Titrimetric
WW	108.449	002	SM 3500-K B-1997	Potassium	Flame Photomteric
WW	108.449	003	SM 3500-K C-1997	Potassium	Electrode
WW	108.449	004	SM 3500-Na B-1997	Sodium	Flame Photomteric
WW	108.450	001	SM 4500-Cl- B-1997	Chloride	Titrimeteric
WW	108.451	001	SM 4500-Cl- C-1997	Chloride	Titrimeteric
WW	108.452	001	SM 4500-Cl- E-1997	Chloride	Colorimetric
WW	108.453	001	SM 4500-Cl- D-1997	Chloride	Potentiometric
WW	108.454	001	SM 4140 B-1997	Bromide	CIE/UV
WW	108.454	002	SM 4140 B-1997	Chloride	CIE/UV
WW	108.454	003	SM 4140 B-1997	Nitrate (as N)	CIE/UV
WW	108.454	004	SM 4140 B-1997	Nitrate-nitrite (as N)	CIE/UV
WW	108.454	005	SM 4140 B-1997	Nitrite (as N)	CIE/UV
WW	108.454	006	SM 4140 B-1997	Phosphate, Ortho (as P)	CIE/UV
WW	108.454	007	SM 4140 B-1997	Sulfate (as SO4)	CIE/UV
WW	108.454	008	SM 4140 B-1997	Sulfide (as S)	CIE/UV
WW	108.466	001	SM 4500-B B-2000	Boron	Colorimetric
WW	108.470	001	SM 4500-CN B or C-1999	Cyanide, Total	Manual Distillation
WW	108.471	001	SM 4500-CN D-1999	Cyanide, Total	Titrimetric
WW	108.472	001	SM 4500-CN E-1999	Cyanide, Total	Spectrophotometric
WW	108.473	001	SM 4500-CN G-1999	Cyanide, Available	Spectrophotometric
WW	108.474	001	SM 4500-CN F-1999	Cyanide, Total	Electrode
WW	108.480	001	SM 4500-F B,C-1997	Fluoride	Electrode
WW	108.481	001	SM 4500-F B,D-1997	Fluoride	Colorimetric
WW	108.482	001	SM 4500-F E-1997	Fluoride	Colorimetric
WW	108.490	001	SM 4500-H\+\ B-2000	Hydrogen Ion (pH)	Electrometric
WW	108.500	002	SM 4500-NH3 B,C-1997	Ammonia (as N)	Titrimetric
WW	108.501	002	SM 4500-NH3 B,C-1997	Kjeldahl Nitrogen,Total (as N)	Titrimetric

Program	Subgroup Code	Analyte Code	Method	Analyte	Technology
WW	108.502	002	SM 4500-NH3 B,D or B, E-1997	Ammonia (as N)	Electrode
WW	108.503	002	SM 4500-NH3 B,D or B, E-1997	Kjeldahl Nitrogen,Total (as N)	Electrode
WW	108.504	002	SM 4500-NH3 F-1997	Ammonia (as N)	Phenate Manual
WW	108.505	002	SM 4500-NH3 F-1997	Kjeldahl Nitrogen,Total (as N)	Phenate Manual
WW	108.506	002	SM 4500-NH3 G-1997	Ammonia (as N)	Phenate Automated
WW	108.507	002	SM 4500-NH3 G-1997	Kjeldahl Nitrogen,Total (as N)	Phenate Automated
WW	108.508	002	SM 4500-NH3 H-1997	Ammonia (as N)	FIA
WW	108.509	001	SM 4500-NH3 H-1997	Kjeldahl Nitrogen,Total (as N)	FIA
WW	108.511	001	SM-4500-Norg B-1997	Kjeldahl Nitrogen,Total (as N)	Macro kjeldahl
WW	108.512	001	SM-4500-Norg C-1997	Kjeldahl Nitrogen,Total (as N)	Micro kjeldahl
WW	108.513	001	SM-4500-Norg D-1997	Kjeldahl Nitrogen,Total (as N)	Digestion & FIA
WW	108.514	001	SM 4500-NO2 B-2000	Nitrite (as N)	Spectrophotometric
WW	108.527	001	SM 4500-NO3-D-2000	Nitrate (as N)	Electrode
WW	108.528	001	SM 4500-NO3 E-2000	Nitrate-nitrite (as N)	Cd Reduction Manual
WW	108.528	002	SM 4500-NO3 E-2000	Nitrite (as N)	Cd Reduction Manual
WW	109.009	001	EPA 200.5, Rev. 4.2 (2003)	Aluminum	ICP-AES
WW	109.009	002	EPA 200.5, Rev. 4.2 (2003)	Antimony	ICP-AES
WW	109.009	003	EPA 200.5, Rev. 4.2 (2003)	Arsenic	ICP-AES
WW	109.009	004	EPA 200.5, Rev. 4.2 (2003)	Barium	ICP-AES
WW	109.009	005	EPA 200.5, Rev. 4.2 (2003)	Beryllium	ICP-AES
WW	109.009	006	EPA 200.5, Rev. 4.2 (2003)	Cadmium	ICP-AES
WW	109.009	007	EPA 200.5, Rev. 4.2 (2003)	Chromium	ICP-AES
WW	109.009	008	EPA 200.5, Rev. 4.2 (2003)	Cobalt	ICP-AES
WW	109.009	009	EPA 200.5, Rev. 4.2 (2003)	Copper	ICP-AES
WW	109.009	010	EPA 200.5, Rev. 4.2 (2003)	Iron	ICP-AES
WW	109.009	011	EPA 200.5, Rev. 4.2 (2003)	Lead	ICP-AES
WW	109.009	012	EPA 200.5, Rev. 4.2 (2003)	Manganese	ICP-AES
WW	109.009	013	EPA 200.5, Rev. 4.2 (2003)	Molybdenum	ICP-AES
WW	109.009	014	EPA 200.5, Rev. 4.2 (2003)	Nickel	ICP-AES
WW	109.009	015	EPA 200.5, Rev. 4.2 (2003)	Selenium	ICP-AES
WW	109.009	016	EPA 200.5, Rev. 4.2 (2003)	Silver	ICP-AES
WW	109.009	017	EPA 200.5, Rev. 4.2 (2003)	Thallium	ICP-AES
WW	109.009	018	EPA 200.5, Rev. 4.2 (2003)	Tin	ICP-AES
WW	109.009	019	EPA 200.5, Rev. 4.2 (2003)	Vanadium	ICP-AES
WW	109.009	020	EPA 200.5, Rev. 4.2 (2003)	Zinc	ICP-AES
WW	109.010	001	EPA 200.7 Rev. 4.4 (1994)	Aluminum	ICP-AES
WW	109.010	002	EPA 200.7 Rev. 4.4 (1994)	Antimony	ICP-AES
WW	109.010	003	EPA 200.7 Rev. 4.4 (1994)	Arsenic	ICP-AES
WW	109.010	004	EPA 200.7 Rev. 4.4 (1994)	Barium	ICP-AES
WW	109.010	005	EPA 200.7 Rev. 4.4 (1994)	Beryllium	ICP-AES
WW	109.010	006	EPA 200.7 Rev. 4.4 (1994)	Boron	ICP-AES
WW	109.010	007	EPA 200.7 Rev. 4.4 (1994)	Cadmium	ICP-AES

Program	Subgroup Code	Analyte Code	Method	Analyte	Technology
WW	109.010	009	EPA 200.7 Rev. 4.4 (1994)	Chromium	ICP-AES
WW	109.010	010	EPA 200.7 Rev. 4.4 (1994)	Cobalt	ICP-AES
WW	109.010	011	EPA 200.7 Rev. 4.4 (1994)	Copper	ICP-AES
WW	109.010	012	EPA 200.7 Rev. 4.4 (1994)	Iron	ICP-AES
WW	109.010	013	EPA 200.7 Rev. 4.4 (1994)	Lead	ICP-AES
WW	109.010	015	EPA 200.7 Rev. 4.4 (1994)	Manganese	ICP-AES
WW	109.010	016	EPA 200.7 Rev. 4.4 (1994)	Molybdenum	ICP-AES
WW	109.010	017	EPA 200.7 Rev. 4.4 (1994)	Nickel	ICP-AES
WW	109.010	019	EPA 200.7 Rev. 4.4 (1994)	Selenium	ICP-AES
WW	109.010	021	EPA 200.7 Rev. 4.4 (1994)	Silver	ICP-AES
WW	109.010	023	EPA 200.7 Rev. 4.4 (1994)	Thallium	ICP-AES
WW	109.010	024	EPA 200.7 Rev. 4.4 (1994)	Tin	ICP-AES
WW	109.010	025	EPA 200.7 Rev. 4.4 (1994)	Titanium	ICP-AES
WW	109.010	026	EPA 200.7 Rev. 4.4 (1994)	Vanadium	ICP-AES
WW	109.010	027	EPA 200.7 Rev. 4.4 (1994)	Zinc	ICP-AES
WW	109.025	001	EPA 200.9 Rev. 2.2 (1994)	Aluminum	STGFAA
WW	109.025	002	EPA 200.9 Rev. 2.2 (1994)	Antimony	STGFAA
WW	109.025	003	EPA 200.9 Rev. 2.2 (1994)	Arsenic	STGFAA
WW	109.025	004	EPA 200.9 Rev. 2.2 (1994)	Beryllium	STGFAA
WW	109.025	005	EPA 200.9 Rev. 2.2 (1994)	Cadmium	STGFAA
WW	109.025	006	EPA 200.9 Rev. 2.2 (1994)	Chromium	STGFAA
WW	109.025	007	EPA 200.9 Rev. 2.2 (1994)	Cobalt	STGFAA
WW	109.025	008	EPA 200.9 Rev. 2.2 (1994)	Copper	STGFAA
WW	109.025	009	EPA 200.9 Rev. 2.2 (1994)	Iron	STGFAA
WW	109.025	010	EPA 200.9 Rev. 2.2 (1994)	Lead	STGFAA
WW	109.025	011	EPA 200.9 Rev. 2.2 (1994)	Manganese	STGFAA
WW	109.025	012	EPA 200.9 Rev. 2.2 (1994)	Nickel	STGFAA
WW	109.025	013	EPA 200.9 Rev. 2.2 (1994)	Selenium	STGFAA
WW	109.025	014	EPA 200.9 Rev. 2.2 (1994)	Silver	STGFAA
WW	109.025	015	EPA 200.9 Rev. 2.2 (1994)	Thallium	STGFAA
WW	109.025	016	EPA 200.9 Rev. 2.2 (1994)	Tin	STGFAA
WW	109.104	001	EPA 218.6, Rev. 3.3 (1994)	Chromium VI	Ion Chromatography
WW	109.131	001	EPA 231.2 (Issued 1978)	Gold	AA Furnace
WW	109.141	001	EPA 235.2 (Issued 1978)	Iridium	AA Furnace
WW	109.190	001	EPA 245.1 Rev 3.0 (1994)	Mercury	Cold Vapor, Manual
WW	109.191	001	EPA 245.2 (Issued 1974)	Mercury	Cold Vapor, Automated
WW	109.192	001	EPA 245.7 Rev 2.0 (2005)	Mercury	CVAFS
WW	109.221	001	EPA 252.2 (Issued 1978)	Osmium	AA Furnace
WW	109.231	001	EPA 253.2(Issued 1978)	Palladium	AA Furnace
WW	109.241	001	EPA 255.2 (Issued 1978)	Platinum	AA Furnace
WW	109.261	001	EPA 265.2 (Issued 1978)	Rhodium	AA Furnace
WW	109.271	001	EPA 267.2	Ruthenium	AA Furnace

Program	Subgroup Code	Analyte Code	Method	Analyte	Technology
WW	109.311	001	EPA 279.2 (Issued 1978)	Thallium	AA Furnace
WW	109.331	001	EPA 283.2 (Issued 1978)	Titanium	AA Furnace
WW	109.351	001	EPA 289.2 (Issued 1978)	Zinc	AA Furnace
WW	109.361	001	EPA 1631E	Mercury	Purge & Trap CVAFS
WW	109.370	001	SM 3111 B-1999	Antimony	AA Direct Aspiration
WW	109.370	002	SM 3111 B -1999	Cadmium	AA Direct Aspiration
WW	109.370	004	SM 3111 B -1999	Chromium	AA Direct Aspiration
WW	109.370	005	SM 3111 B -1999	Cobalt	AA Direct Aspiration
WW	109.370	006	SM 3111 B -1999	Copper	AA Direct Aspiration
WW	109.370	007	SM 3111 B-1999	Gold	AA Direct Aspiration
WW	109.370	008	SM 3111 B-1999	Iridium	AA Direct Aspiration
WW	109.370	009	SM 3111 B -1999	Iron	AA Direct Aspiration
WW	109.370	010	SM 3111 B-1999	Lead	AA Direct Aspiration
WW	109.370	011	SM 3111 B -1999	Arsenic	AA Direct Aspiration
WW	109.370	012	SM 3111 B-1999	Manganese	AA Direct Aspiration
WW	109.370	013	SM 3111 B-1999	Nickel	AA Direct Aspiration
WW	109.370	014	SM 3111 B -1999	Palladium	AA Direct Aspiration
WW	109.370	015	SM 3111 B-1999	Platinum	AA Direct Aspiration
WW	109.370	017	SM 3111 B-1999	Rhodium	AA Direct Aspiration
WW	109.370	018	SM 3111 B-1999	Ruthenium	AA Direct Aspiration
WW	109.370	019	SM 3111 B-1999	Silver	AA Direct Aspiration
WW	109.370	021	SM 3111 B -1999	Thallium	AA Direct Aspiration
WW	109.370	022	SM 3111 B -1999	Tin	AA Direct Aspiration
WW	109.370	023	SM 3111 B -1999	Zinc	AA Direct Aspiration
WW	109.370	025	SM 3111 B -1999	Arsenic	AA Direct Aspiration
WW	109.380	001	SM 3111 D-1999	Aluminum	AA Direct Aspiration
WW	109.380	001	SM 3111 C -1999	Cadmium	AA Direct Aspiration
WW	109.380	002	SM 3111 C-1999	Chromium	AA Direct Aspiration
WW	109.380	003	SM 3111 C-1999	Chromium VI dissolved	AA Chelation
WW	109.380	004	SM 3111 C-1999	Cobalt	AA Direct Aspiration
WW	109.380	005	SM 3111 C-1999	Copper	AA Direct Aspiration
WW	109.380	006	SM 3111 C-1999	Iron	AA Direct Aspiration
WW	109.380	007	SM 3111 C-1999	Lead	AA Direct Aspiration
WW	109.380	008	SM 3111 C-1999	Nickel	AA Direct Aspiration
WW	109.380	009	SM 3111 C-2009	Silver	AA gaseous hydride
WW	109.380	010	SM 3111 C-1999	Zinc	AA Direct Aspiration
WW	109.390	001	SM 3111 D-1999	Aluminum	AA Direct Aspiration
WW	109.390	002	SM 3111 D -1999	Barium	AA Direct Aspiration
WW	109.390	003	SM 3111 D-1999	Beryllium	AA Direct Aspiration
WW	109.390	004	SM 3111 D -1999	Molybdenum	AA Direct Aspiration
WW	109.390	005	SM 3111 D-1999	Osmium	AA Direct Aspiration
WW	109.390	006	SM 3111 D-1999	Titanium	AA Direct Aspiration

Program	Subgroup Code	Analyte Code	Method	Analyte	Technology
WW	109.390	007	SM 3111 D-1999	Vanadium	AA Direct Aspiration
WW	109.391	001	SM 3111 E-1999	Aluminum	AA Direct Aspiration
WW	109.391	002	SM 3111 E -1999	Beryllium	AA Direct Aspiration
WW	109.391	003	SM 3111 E -1999	Mercury	AA Direct Aspiration
WW	109.400	001	SM 3112 B-2009	Mercury	Cold Vapor, Manual
WW	109.410	001	SM 3113 B-2004	Aluminum	AA Furnace
WW	109.410	001	SM 3113 B-2004	Arsenic	AA Furnace
WW	109.410	002	SM 3113 B-2004	Antimony	AA Furnace
WW	109.410	003	SM 3113 B-2004	Arsenic	AA Furnace
WW	109.410	004	SM 3113 B-2004	Barium	AA Furnace
WW	109.410	005	SM 3113 B-2004	Beryllium	AA Furnace
WW	109.410	006	SM 3113 B-2004	Cadmium	AA Furnace
WW	109.410	007	SM 3113 B-2004	Chromium	AA Furnace
WW	109.410	008	SM 3113 B-2004	Cobalt	AA Furnace
WW	109.410	009	SM 3113 B-2004	Copper	AA Furnace
WW	109.410	010	SM 3113 B-2004	Iron	AA Furnace
WW	109.410	011	SM 3113 B-2004	Lead	AA Furnace
WW	109.410	012	SM 3113 B-2004	Manganese	AA Furnace
WW	109.410	013	SM 3113 B-2004	Molybdenum	AA Furnace
WW	109.410	014	SM 3113 B-2004	Nickel	AA Furnace
WW	109.410	015	SM 3113 B-2004	Selenium	AA Furnace
WW	109.410	016	SM 3113 B-2004	Silver	AA Furnace
WW	109.410	017	SM 3113 B-2004	Tin	AA Furnace
WW	109.410	018	SM 3113 B-2004	Vanadium	AA Furnace
WW	109.410	019	SM 3113 B-2004	Gold	AA Furnace
WW	109.410	020	SM 3113 B-2004	Thallium	AA Furnace
WW	109.420	001	SM 3114 B -2009	Arsenic	AA Manual Hydride
WW	109.420	002	SM 3114 B-2009	Selenium	AA Manual Hydride
WW	109.421	001	SM 3114 C-2009	Aluminum	AA Continuous Hydride
WW	109.421	002	SM 3114 C-2009	Selenium	AA Continuous Hydride
WW	109.430	001	SM 3120 B-1999	Aluminum	ICP-AES
WW	109.430	001	SM 3125 B-1999	Aluminum	ICP-AES
WW	109.430	002	SM 3120 B-1999	Antimony	ICP-AES
WW	109.430	003	SM 3120 B-1999	Arsenic	ICP-AES
WW	109.430	004	SM 3120 B-1999	Barium	ICP-AES
WW	109.430	005	SM 3120 B-1999	Beryllium	ICP-AES
WW	109.430	006	SM 3120 B-1999	Boron	ICP-AES
WW	109.430	007	SM 3120 B-1999	Cadmium	ICP-AES
WW	109.430	009	SM 3120 B-1999	Chromium	ICP-AES
WW	109.430	010	SM 3120 B-1999	Cobalt	ICP-AES
WW	109.430	011	SM 3120 B-1999	Copper	ICP-AES
WW	109.430	012	SM 3120 B-1999	Iron	ICP-AES

Program	Subgroup Code	Analyte Code	Method	Analyte	Technology
WW	109.430	013	SM 3120 B-1999	Lead	ICP-AES
WW	109.430	015	SM 3120 B-1999	Manganese	ICP-AES
WW	109.430	016	SM 3120 B-1999	Molybdenum	ICP-AES
WW	109.430	017	SM 3120 B-1999	Nickel	ICP-AES
WW	109.430	019	SM 3120 B-1999	Selenium	ICP-AES
WW	109.430	021	SM 3120 B-1999	Silver	ICP-AES
WW	109.430	023	SM 3120 B-1999	Thallium	ICP-AES
WW	109.430	024	SM 3120 B-1999	Vanadium	ICP-AES
WW	109.430	025	SM 3120 B-1999	Zinc	ICP-AES
WW	109.441	001	SM 3500-Al B-2001	Aluminum	Colorimetric
WW	109.442	001	SM 3500-As B-2001	Arsenic	Colorimetric
WW	109.443	001	SM 3500-Cd B-2001	Cadmium	Colorimetric
WW	109.445	001	SM 3500-Cr B-2009	Chromium	Colorimetric
WW	109.445	002	SM 3500-Cr B-2009	Chromium VI	Colorimetric
WW	109.446	001	SM 3500-Cr C-2009	Chromium VI	IC
WW	109.447	001	SM 3500-Cu B-2009	Copper	Colorimetric
WW	109.448	001	SM 3500-Cu C-2009	Copper	Colorimetric
WW	109.449	001	SM 3500-Fe B- 1997	Iron	Colorimetric
WW	109.451	001	SM 3500-Pb B-1997	Lead	Colorimetric
WW	109.452	001	SM 3500-Mn B-1999	Manganese	Colorimetric
WW	109.456	001	SM 3500-V B-1997	Vanadium	Colorimetric
WW	109.457	001	SM 3500-Zn B-1997	Zinc	Colorimetric
Hazardous Waste					
HW	114.010	001	EPA 6010B	Antimony	
HW	114.010	002	EPA 6010B	Arsenic	
HW	114.010	003	EPA 6010B	Barium	
HW	114.010	004	EPA 6010B	Beryllium	
HW	114.010	005	EPA 6010B	Cadmium	
HW	114.010	006	EPA 6010B	Chromium	
HW	114.010	007	EPA 6010B	Cobalt	
HW	114.010	008	EPA 6010B	Copper	
HW	114.010	009	EPA 6010B	Lead	
HW	114.010	010	EPA 6010B	Molybdenum	
HW	114.010	011	EPA 6010B	Nickel	
HW	114.010	012	EPA 6010B	Selenium	
HW	114.010	013	EPA 6010B	Silver	
HW	114.010	014	EPA 6010B	Thallium	
HW	114.010	015	EPA 6010B	Vanadium	
HW	114.010	016	EPA 6010B	Zinc	
HW	114.030	001	EPA 7040	Antimony	
HW	114.031	001	EPA 7041	Antimony	
HW	114.040	001	EPA 7060A	Arsenic	

Program	Subgroup Code	Analyte Code	Method	Analyte	Technology
HW	114.041	001	EPA 7061A	Arsenic	
HW	114.050	001	EPA 7062	Antimony	
HW	114.051	001	EPA 7062	Arsenic	
HW	114.060	001	EPA 7080A	Barium	
HW	114.061	001	EPA 7081	Barium	
HW	114.070	001	EPA 7090	Beryllium	
HW	114.071	001	EPA 7091	Beryllium	
HW	114.080	001	EPA 7130	Cadmium	
HW	114.081	001	EPA 7131A	Cadmium	
HW	114.090	001	EPA 7190	Chromium	
HW	114.091	001	EPA 7191	Chromium	
HW	114.102	001	EPA 7195	Chromium (VI)	
HW	114.103	001	EPA 7196A	Chromium (VI)	
HW	114.104	001	EPA 7197	Chromium (VI)	
HW	114.105	001	EPA 7198	Chromium (VI)	
HW	114.106	001	EPA 7199	Chromium (VI)	
HW	114.110	001	EPA 7200	Cobalt	
HW	114.111	001	EPA 7201	Cobalt	
HW	114.120	001	EPA 7210	Copper	
HW	114.121	001	EPA 7211	Copper	
HW	114.130	001	EPA 7420	Lead	
HW	114.131	001	EPA 7421	Lead	
HW	114.140	001	EPA 7470A	Mercury	
HW	114.141	001	EPA 7471A	Mercury	
HW	114.150	001	EPA 7480	Molybdenum	
HW	114.151	001	EPA 7481	Molybdenum	
HW	114.160	001	EPA 7520	Nickel	
HW	114.161	001	EPA 7521	Nickel	
HW	114.170	001	EPA 7740	Selenium	
HW	114.171	001	EPA 7741A	Selenium	
HW	114.172	001	EPA 7742	Selenium	
HW	114.180	001	EPA 7760A	Silver	
HW	114.181	001	EPA 7761	Silver	
HW	114.190	001	EPA 7840	Thallium	
HW	114.191	001	EPA 7841	Thallium	
HW	114.200	001	EPA 7910	Vanadium	
HW	114.201	001	EPA 7911	Vanadium	
HW	114.210	001	EPA 7950	Zinc	
HW	114.211	001	EPA 7951	Zinc	
HW	114.221	001	EPA 9012A	Cyanide, Total	
HW	114.222	001	EPA 9014	Cyanide	
HW	114.230	001	EPA 9034	Sulfides, Total	

Program	Subgroup Code	Analyte Code	Method	Analyte	Technology
HW	114.231	001	EPA 9215	Sulfide	
HW	114.240	001	EPA 9040B	Corrosivity - pH Determination	
HW	114.241	001	EPA 9045C	Corrosivity - pH Determination	
HW	114.250	001	EPA 9056	Fluoride	
HW	114.260	001	EPA 9213	Cyanide	
HW	114.270	001	EPA 9214	Fluoride	
HW	114.280	001	HML 939-M	Organic Lead	
HW	114.281	001	HML 938-M	Organic Lead	
HW	120.010	001	EPA 1010	Ignitability	
HW	120.020	001	EPA 1020A	Ignitability	
HW	120.022	001	EPA 1030	Ignitability	
HW	120.030	001	EPA 1110	Corrosivity	
HW	120.040	001	Section 7.3 SW-846	Reactive Cyanide	
HW	120.050	001	Section 7.3 SW-846	Reactive Sulfide	
HW	120.070	001	EPA 9040B	Corrosivity - pH Determination	
HW	120.080	001	EPA 9045C	Corrosivity - pH Determination	

Program	Subgroup Code	Analyte Code	Method	Analyte	Technology
Drinking Water					
DW	104.010	000	EPA 502.2	Volatile Organic Compounds	GC-ELCD/PID
DW	104.010	001	EPA 502.2	Benzene	GC-ELCD/PID
DW	104.010	007	EPA 502.2	n-Butylbenzene	GC-ELCD/PID
DW	104.010	008	EPA 502.2	sec-Butylbenzene	GC-ELCD/PID
DW	104.010	009	EPA 502.2	tert-Butylbenzene	GC-ELCD/PID
DW	104.010	010	EPA 502.2	Carbon Tetrachloride	GC-ELCD/PID
DW	104.010	011	EPA 502.2	Chlorobenzene	GC-ELCD/PID
DW	104.010	015	EPA 502.2	2-Chlorotoluene	GC-ELCD/PID
DW	104.010	016	EPA 502.2	4-Chlorotoluene	GC-ELCD/PID
DW	104.010	019	EPA 502.2	1,3-Dichlorobenzene	GC-ELCD/PID
DW	104.010	020	EPA 502.2	1,2-Dichlorobenzene	GC-ELCD/PID
DW	104.010	021	EPA 502.2	1,4-Dichlorobenzene	GC-ELCD/PID
DW	104.010	022	EPA 502.2	Dichlorodifluoromethane	GC-ELCD/PID
DW	104.010	023	EPA 502.2	1,1-Dichloroethane	GC-ELCD/PID
DW	104.010	024	EPA 502.2	1,2-Dichloroethane	GC-ELCD/PID
DW	104.010	025	EPA 502.2	1,1-Dichloroethene	GC-ELCD/PID
DW	104.010	026	EPA 502.2	cis-1,2-Dichloroethene	GC-ELCD/PID
DW	104.010	027	EPA 502.2	trans-1,2-Dichloroethene	GC-ELCD/PID
DW	104.010	028	EPA 502.2	Dichloromethane	GC-ELCD/PID
DW	104.010	029	EPA 502.2	1,2-Dichloropropane	GC-ELCD/PID
DW	104.010	033	EPA 502.2	cis-1,3-Dichloropropene	GC-ELCD/PID
DW	104.010	034	EPA 502.2	trans-1,3-Dichloropropene	GC-ELCD/PID
DW	104.010	035	EPA 502.2	Ethylbenzene	GC-ELCD/PID
DW	104.010	037	EPA 502.2	Isopropylbenzene	GC-ELCD/PID
DW	104.010	039	EPA 502.2	Naphthalene	GC-ELCD/PID
DW	104.010	040	EPA 502.2	N-propylbenzene	GC-ELCD/PID
DW	104.010	041	EPA 502.2	Styrene	GC-ELCD/PID
DW	104.010	043	EPA 502.2	1,1,2,2-Tetrachloroethane	GC-ELCD/PID
DW	104.010	044	EPA 502.2	Tetrachloroethene	GC-ELCD/PID
DW	104.010	045	EPA 502.2	Toluene	GC-ELCD/PID
DW	104.010	047	EPA 502.2	1,2,4-Trichlorobenzene	GC-ELCD/PID
DW	104.010	048	EPA 502.2	1,1,1-Trichloroethane	GC-ELCD/PID
DW	104.010	049	EPA 502.2	1,1,2-Trichloroethane	GC-ELCD/PID
DW	104.010	050	EPA 502.2	Trichloroethene	GC-ELCD/PID
DW	104.010	051	EPA 502.2	Trichlorofluoromethane	GC-ELCD/PID
DW	104.010	053	EPA 502.2	1,2,4-Trimethylbenzene	GC-ELCD/PID
DW	104.010	054	EPA 502.2	1,3,5-Trimethylbenzene	GC-ELCD/PID
DW	104.010	055	EPA 502.2	Vinyl Chloride	GC-ELCD/PID
DW	104.010	056	EPA 502.2	Xylenes, Total	GC-ELCD/PID
DW	104.015	000	EPA 502.2	Trihalomethanes, Total	GC-ELCD/PID
DW	104.015	001	EPA 502.2	Bromodichloromethane	GC-ELCD/PID

Program	Subgroup Code	Analyte Code	Method	Analyte	Technology
DW	104.015	002	EPA 502.2	Bromoform	GC-ELCD/PID
DW	104.015	003	EPA 502.2	Chloroform	GC-ELCD/PID
DW	104.015	004	EPA 502.2	Dibromochloromethane	GC-ELCD/PID
DW	104.030	001	EPA 504.1	1,2-Dibromoethane	GC-ECD
DW	104.030	002	EPA 504.1	1,2-Dibromo-3-chloropropane	GC-ECD
DW	104.030	003	EPA 504.1	1,2,3-Trichloropropane	GC-ECD
DW	105.010	000	EPA 505	Organhalide Pesticides & PCB	GC-ECD
DW	105.010	002	EPA 505	Alachlor	GC-ECD
DW	105.010	003	EPA 505	Atrazine	GC-ECD
DW	105.010	004	EPA 505	Chlordane	GC-ECD
DW	105.010	006	EPA 505	Endrin	GC-ECD
DW	105.010	007	EPA 505	Heptachlor	GC-ECD
DW	105.010	008	EPA 505	Heptachlor Epoxide	GC-ECD
DW	105.010	009	EPA 505	Hexachlorobenzene	GC-ECD
DW	105.010	010	EPA 505	Hexachlorocyclopentadiene	GC-ECD
DW	105.010	011	EPA 505	Lindane	GC-ECD
DW	105.010	012	EPA 505	Methoxychlor	GC-ECD
DW	105.010	013	EPA 505	Simazine	GC-ECD
DW	105.010	014	EPA 505	Toxaphene	GC-ECD
DW	105.010	015	EPA 505	PCBs as Aroclors (screen)	GC-ECD
DW	105.020	000	EPA 506	Phthalate & Adipate Esters	GC-ECD
DW	105.020	001	EPA 506	Di(2-ethylhexyl) Adipate	GC-ECD
DW	105.020	002	EPA 506	Di(2-ethylhexyl) Phthalate	GC-ECD
DW	105.030	000	EPA 507	Nitrogen & Phosphorous- Pesticides	GC-NPD
DW	105.030	001	EPA 507	Alachlor	GC-NPD
DW	105.030	002	EPA 507	Atrazine	GC-NPD
DW	105.030	003	EPA 507	Butachlor	GC-NPD
DW	105.030	005	EPA 507	Metolachlor	GC-NPD
DW	105.030	006	EPA 507	Metribuzine	GC-NPD
DW	105.030	007	EPA 507	Molinate	GC-NPD
DW	105.030	008	EPA 507	Prometryn	GC-NPD
DW	105.030	009	EPA 507	Simazine	GC-NPD
DW	105.035	000	EPA 508	Chlorinated Pesticides & PCBs	GC-ECD
DW	105.035	001	EPA 508	Aldrin	GC-ECD
DW	105.035	002	EPA 508	Endosulfan I	GC-ECD
DW	105.035	003	EPA 508	Endosulfan II	GC-ECD
DW	105.035	004	EPA 508	Endosulfan Sulfate	GC-ECD
DW	105.035	005	EPA 508	Endrin	GC-ECD
DW	105.035	006	EPA 508	Endrin Aldehyde	GC-ECD
DW	105.035	007	EPA 508	Heptachlor	GC-ECD
DW	105.035	008	EPA 508	Heptachlor Epoxide	GC-ECD
DW	105.035	009	EPA 508	Hexachlorobenzene	GC-ECD

Program	Subgroup Code	Analyte Code	Method	Analyte	Technology
DW	105.035	010	EPA 508	Lindane (HCH-gamma)	GC-ECD
DW	105.035	011	EPA 508	Methoxychlor	GC-ECD
DW	105.035	012	EPA 508	Propachlor	GC-ECD
DW	105.035	013	EPA 508	Chlordane	GC-ECD
DW	105.035	014	EPA 508	Toxaphene	GC-ECD
DW	105.035	015	EPA 508	PCBs as Aroclors (Screening)	GC-ECD
DW	105.035	016	EPA 508	Arochlor 1016	GC-ECD
DW	105.035	017	EPA 508	Arochlor 1221	GC-ECD
DW	105.035	018	EPA 508	Arochlor 1232	GC-ECD
DW	105.035	019	EPA 508	Arochlor 1242	GC-ECD
DW	105.035	020	EPA 508	Arochlor 1248	GC-ECD
DW	105.035	021	EPA 508	Arochlor 1254	GC-ECD
DW	105.035	022	EPA 508	Arochlor 1260	GC-ECD
DW	105.050	000	EPA 508.1	Chlorinated Pesticides, Herbicides,& PCBs	GC-ECD
DW	105.050	001	EPA 508.1	Alachlor	GC-ECD
DW	105.050	003	EPA 508.1	Atrazine	GC-ECD
DW	105.050	005	EPA 508.1	Chlordane (total)	GC-ECD
DW	105.050	010	EPA 508.1	Endrin	GC-ECD
DW	105.050	011	EPA 508.1	Heptachlor	GC-ECD
DW	105.050	012	EPA 508.1	Heptachlor Epoxide	GC-ECD
DW	105.050	013	EPA 508.1	Hexachlorobenzene	GC-ECD
DW	105.050	014	EPA 508.1	Hexachlorocyclopentadiene	GC-ECD
DW	105.050	015	EPA 508.1	Lindane	GC-ECD
DW	105.050	016	EPA 508.1	Methoxychlor	GC-ECD
DW	105.050	017	EPA 508.1	Metoachlor	GC-ECD
DW	105.050	018	EPA 508.1	Metribuzin	GC-ECD
DW	105.050	019	EPA 508.1	Propachlor	GC-ECD
DW	105.050	020	EPA 508.1	Simazine	GC-ECD
DW	105.050	021	EPA 508.1	Arochlor 1016	GC-ECD
DW	105.050	022	EPA 508.1	Arochlor 1221	GC-ECD
DW	105.050	023	EPA 508.1	Arochlor 1232	GC-ECD
DW	105.050	024	EPA 508.1	Arochlor 1242	GC-ECD
DW	105.050	025	EPA 508.1	Arochlor 1248	GC-ECD
DW	105.050	026	EPA 508.1	Arochlor 1254	GC-ECD
DW	105.050	027	EPA 508.1	Arochlor 1260	GC-ECD
DW	105.050	028	EPA 508.1	PCBs as Aroclors (Screening)	GC-ECD
DW	105.050	029	EPA 508.1	Toxaphene	GC-ECD
DW	105.060	001	EPA 508A	PCBs as Decachlorobiphenyl	GC-ECD
DW	105.070	000	EPA 515.1	Chlorinated Acids	GC-ECD
DW	105.070	001	EPA 515.1	Bentazon	GC-ECD
DW	105.070	002	EPA 515.1	2,4-D	GC-ECD
DW	105.070	003	EPA 515.1	Dalapon	GC-ECD

Program	Subgroup Code	Analyte Code	Method	Analyte	Technology
DW	105.070	004	EPA 515.1	Dicamba	GC-ECD
DW	105.070	005	EPA 515.1	Dinoseb	GC-ECD
DW	105.070	006	EPA 515.1	Pentachlorophenol	GC-ECD
DW	105.070	007	EPA 515.1	Picloram	GC-ECD
DW	105.070	008	EPA 515.1	2,4,5-TP	GC-ECD
DW	105.080	000	EPA 515.2	Chlorinated Acids	GC-ECD
DW	105.080	001	EPA 515.2	2,4-D	GC-ECD
DW	105.080	002	EPA 515.2	Dicamba	GC-ECD
DW	105.080	003	EPA 515.2	Dinoseb	GC-ECD
DW	105.080	004	EPA 515.2	Pentachlorophenol	GC-ECD
DW	105.080	005	EPA 515.2	Picloram	GC-ECD
DW	105.080	006	EPA 515.2	2,4,5-TP	GC-ECD
DW	105.080	007	EPA 515.2	Bentazon	GC-ECD
DW	105.082	000	EPA 515.3	Chlorinated Acids	GC-ECD
DW	105.082	001	EPA 515.3	2,4-D	GC-ECD
DW	105.082	002	EPA 515.3	Dinoseb	GC-ECD
DW	105.082	003	EPA 515.3	Pentachlorophenol	GC-ECD
DW	105.082	004	EPA 515.3	Picloram	GC-ECD
DW	105.082	005	EPA 515.3	2,4,5-TP	GC-ECD
DW	105.082	006	EPA 515.3	Bentazon	GC-ECD
DW	105.082	007	EPA 515.3	Dalapon	GC-ECD
DW	105.082	008	EPA 515.3	Dicamba	GC-ECD
DW	105.083	000	EPA 515.4	Chlorinated Acids	GC-ECD
DW	105.083	001	EPA 515.4	2,4-D	GC-ECD
DW	105.083	002	EPA 515.4	Dinoseb	GC-ECD
DW	105.083	003	EPA 515.4	Pentachlorophenol	GC-ECD
DW	105.083	004	EPA 515.4	Picloram	GC-ECD
DW	105.083	005	EPA 515.4	2,4,5-TP	GC-ECD
DW	105.083	006	EPA 515.4	Dalapon	GC-ECD
DW	105.083	007	EPA 515.4	Bentazon	GC-ECD
DW	105.083	008	EPA 515.4	Dicamba	GC-ECD
DW	105.100	000	EPA 531.1	Carbamates	HPLC
DW	105.100	001	EPA 531.1	Aldicarb	HPLC
DW	105.100	002	EPA 531.1	Aldicarb Sulfone	HPLC
DW	105.100	003	EPA 531.1	Aldicarb Sulfoxide	HPLC
DW	105.100	004	EPA 531.1	Carbaryl	HPLC
DW	105.100	005	EPA 531.1	Carbofuran	HPLC
DW	105.100	006	EPA 531.1	3-Hydroxycarbofuran	HPLC
DW	105.100	007	EPA 531.1	Methomyl	HPLC
DW	105.100	008	EPA 531.1	Oxamyl	HPLC
DW	105.101	000	EPA 531.2	Carbamates	HPLC
DW	105.101	001	EPA 531.2	Carbofuran	HPLC

Program	Subgroup Code	Analyte Code	Method	Analyte	Technology
DW	105.101	002	EPA 531.2	Oxamyl	HPLC
DW	105.101	003	EPA 531.2	Aldicarb	HPLC
DW	105.101	004	EPA 531.2	Aldicarb Sulfone	HPLC
DW	105.101	005	EPA 531.2	Aldicarb Sulfoxide	HPLC
DW	105.101	006	EPA 531.2	Carbaryl	HPLC
DW	105.101	007	EPA 531.2	3-Hydroxycarbofuran	HPLC
DW	105.101	008	EPA 531.2	Methomyl	HPLC
DW	105.110	000	SM6610	Carbamates	HPLC
DW	105.110	005	SM6610	Carbofuran	HPLC
DW	105.110	008	SM6610	Oxamyl	HPLC
DW	105.120	001	EPA 547	Glyphosate	HPLC
DW	105.130	001	SM6651	Glyphosate	HPLC
DW	105.150	001	EPA 549.2	Diquat	HPLC
DW	105.160	000	EPA 550	Polynuclear Aromatic Hydrocarbons	HPLC
DW	105.160	001	EPA 550	Benzo(a)pyrene	HPLC
DW	105.161	000	EPA 550.1	Polynuclear Aromatic Hydrocarbons	HPLC
DW	105.161	001	EPA 550.1	Benzo(a)pyrene	HPLC
DW	105.170	004	EPA 551.1	Carbon Tetrachloride	GC-ECD
DW	105.170	010	EPA 551.1	1,2-Dibromo-3-chloropropane	GC-ECD
DW	105.170	011	EPA 551.1	1,2-Dibromoethane	GC-ECD
DW	105.170	014	EPA 551.1	Tetrachloroethene	GC-ECD
DW	105.170	016	EPA 551.1	1,1,1-Trichloroethane	GC-ECD
DW	105.170	017	EPA 551.1	Trichloroethene	GC-ECD
DW	105.170	020	EPA 551.1	1,1,2-Trichloroethane	GC-ECD
DW	105.170	021	EPA 551.1	Alachlor	GC-ECD
DW	105.170	022	EPA 551.1	Atrazine	GC-ECD
DW	105.170	023	EPA 551.1	Endrin	GC-ECD
DW	105.170	024	EPA 551.1	Heptachlor	GC-ECD
DW	105.170	025	EPA 551.1	Heptachlor Epoxide	GC-ECD
DW	105.170	026	EPA 551.1	Hexachlorobenzene	GC-ECD
DW	105.170	027	EPA 551.1	Hexachlorocyclopentadiene	GC-ECD
DW	105.170	028	EPA 551.1	Lindane	GC-ECD
DW	105.170	029	EPA 551.1	Methoxychlor	GC-ECD
DW	105.170	030	EPA 551.1	Simazine	GC-ECD
DW	105.170	031	EPA 551.1	Disinfection Byproducts	GC-ECD
DW	105.170	032	EPA 551.1	Chlorinated Solvents	GC-ECD
DW	105.170	033	EPA 551.1	Halogenated Pesticides	GC-ECD
DW	105.170	034	EPA 551.1	Halogenated Herbicides	GC-ECD
DW	105.175	001	EPA 551.1	Bromodichloromethane	GC-ECD
DW	105.175	002	EPA 551.1	Bromoform	GC-ECD
DW	105.175	003	EPA 551.1	Chloroform	GC-ECD
DW	105.175	004	EPA 551.1	Dibromochloromethane	GC-ECD

Program	Subgroup Code	Analyte Code	Method	Analyte	Technology
DW	105.175	005	EPA 551.1	Trihalomethanes	GC-ECD
DW	105.180	001	EPA 552.1	Bromoacetic Acid	GC-ECD
DW	105.180	003	EPA 552.1	Chloroacetic Acid	GC-ECD
DW	105.180	004	EPA 552.1	Dalapon	GC-ECD
DW	105.180	005	EPA 552.1	Dibromoacetic Acid	GC-ECD
DW	105.180	006	EPA 552.1	Dichloroacetic Acid	GC-ECD
DW	105.180	007	EPA 552.1	Trichloroacetic Acid	GC-ECD
DW	105.180	008	EPA 552.1	Haloacetic Acids (HAA5)	GC-ECD
DW	105.190	001	SM6251B	Bromoacetic Acid	GC-ECD
DW	105.190	003	SM6251B	Chloroacetic Acid	GC-ECD
DW	105.190	005	SM6251B	Dibromoacetic Acid	GC-ECD
DW	105.190	006	SM6251B	Dichloroacetic Acid	GC-ECD
DW	105.190	007	SM6251B	Trichloroacetic Acid	GC-ECD
DW	105.190	008	SM6251B	Haloacetic Acids (HAA5)	GC-ECD
DW	105.190	010	SM6251B	Chlorinated Herbicides	GC-ECD
DW	105.191	001	SM6251B	Haloacetic Acids (HAA5)	GC-ECD
DW	105.200	001	EPA 552.2	Bromoacetic Acid	GC-ECD
DW	105.200	003	EPA 552.2	Chloroacetic Acid	GC-ECD
DW	105.200	004	EPA 552.2	Dalapon	GC-ECD
DW	105.200	005	EPA 552.2	Dibromoacetic Acid	GC-ECD
DW	105.200	006	EPA 552.2	Dichloroacetic Acid	GC-ECD
DW	105.200	007	EPA 552.2	Trichloroacetic Acid	GC-ECD
DW	105.200	008	EPA 552.2	Haloacetic Acids (HAA5)	GC-ECD
DW	105.201	001	EPA 552.3	Haloacetic Acids (HAA5)	GC-ECD
DW	105.201	002	EPA 552.3	Dalapon	GC-ECD
DW	105.210	002	EPA 555	2,4-D	HPLC
DW	105.210	004	EPA 555	Dinoseb	HPLC
DW	105.210	005	EPA 555	Pentachlorophenol	HPLC
DW	105.210	006	EPA 555	Picloram	HPLC
DW	105.210	007	EPA 555	2,4,5-TP	HPLC
DW	105.210	008	EPA 555	Bentazon	HPLC
Wastewater					
WW	110.010	000	EPA 601	Purgeable Halocarbons	GC-ELCD
WW	110.020	000	EPA 602	Purgeable Aromatics	GC-PID
WW	110.030	000	EPA 603	Acrolein, Acrylonitrile	GC-FID
WW	110.052	000	SM 6200C-1997	Volatile Organic Compounds	GC-ELCD
WW	111.010	000	EPA 604	Phenols	GC-ECD/FID
WW	111.020	000	EPA 605	Benzidines	HPLC
WW	111.030	000	EPA 606	Phthalate Esters	GC-ECD
WW	111.040	000	EPA 607	Nitrosamines	GC-NPD
WW	111.050	000	EPA 609	Nitroaromatics & Cyclic ketones	GC-FID/ECD
WW	111.060	000	EPA 610	Polynuclear Aromatic Hydrocarbons	HPLC or GC

Program	Subgroup Code	Analyte Code	Method	Analyte	Technology
WW	111.070	000	EPA 611	Haloethers	GC-ELCD
WW	111.080	000	EPA 612	Chlorinated Hydrocarbons	GC-ECD
WW	111.090	001	EPA 613	2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD)	GC-MS
WW	111.091	000	EPA 614	Organophosphorous Pesticides	GC-FPD
WW	111.092	000	EPA 614.1	Organophosphorous Pesticides	GC-NPD
WW	111.093	000	EPA 615	Chlorinated Herbicides	GC-ECD
WW	111.123	001	EPA 1650	Adsorbable Organic Halides	Adsorption and Coulometric Titration
WW	111.124	001	EPA 1653	Chlorinated Phenolics	GC
WW	111.125	000	EPA 1656	Organo Halide Pesticides	GC-ECD/ELCD
WW	111.126	000	EPA 1657	Organophosphorous Pesticides	GC-FPD
WW	111.140	000	SM 6420 B-2000	Phenols	GC-ECD/FID
WW	111.150	000	SM 6440 B-2000	Polynuclear Aromatic Hydrocarbons	HPLC or GC
WW	111.170	000	EPA 608	Organochlorine Pesticides & PCBs	GC-ECD
WW	111.180	000	EPA 617	Organochlorine Pesticides & PCBs	GC-ECD
WW	111.190	000	EPA 619	Organophosphorous Pesticides	GC
WW	111.210	000	EPA 632	Carbamate & Urea Pesticides	HPLC
WW	111.230	000	SM 6630 B -2000	Organochlorine Pesticides & PCBs	GC-ECD
WW	111.240	000	SM 6630 C -2000	Organochlorine Pesticides & PCBs	GC-ECD
Hazardous Waste					
HW	116.020	031	EPA 8015B	Ethanol and Methanol	
HW	116.030	001	EPA 8015B	Gasoline-range Organics	
HW	116.040	041	EPA 8021B	Methyl tert-butyl Ether (MTBE)	
HW	116.040	060	EPA 8021B	Halogenated Volatiles	
HW	116.040	061	EPA 8021B	Aromatic Volatiles	
HW	116.040	062	EPA 8021B	BTEX	
HW	116.050	001	EPA 8031	Acrylonitrile	
HW	116.060	001	EPA 8032A	Acrylamide	
HW	116.090	000	EPA 8316	Acrylamide, Acrylonitrile, Acrolein	
HW	117.010	001	EPA 8015B	Diesel-range Total Petroleum Hydrocarbons	
HW	117.017	001	EPA 418.1	TRPH Screening	
HW	117.020	000	EPA 8041	Phenols	
HW	117.030	000	EPA 8061A	Phthalate Esters	
HW	117.040	000	EPA 8070A	Nitrosoamines	
HW	117.050	000	EPA 8091	Nitroaromatics and Cyclic Ketones	
HW	117.060	000	EPA 8100	Polynuclear Aromatic Hydrocarbons	
HW	117.070	000	EPA 8111	Haloethers	
HW	117.080	000	EPA 8120A	Chlorinated Hydrocarbons	
HW	117.090	000	EPA 8121	Chlorinated Hydrocarbons	
HW	117.140	000	EPA 8310	Polynuclear Aromatic Hydrocarbons	
HW	117.150	000	EPA 8315A	Carbonyl Compounds	
HW	117.170	000	EPA 8330	Nitroaromatics and Nitramines	
HW	117.171	000	EPA 8330A	Nitroaromatics and Nitramines	

Program	Subgroup Code	Analyte Code	Method	Analyte	Technology
HW	117.180	001	EPA 8331	Tetrazene	
HW	117.200	000	EPA 8410	Semi-volatile Organics	
HW	117.210	000	EPA 8081A	Organochlorine Pesticides	
HW	117.220	000	EPA 8082	PCBs	
HW	117.240	000	EPA 8141A	Organophosphorus Pesticides	
HW	117.250	000	EPA 8151A	Chlorinated Herbicides	
HW	117.270	000	EPA 8318	Carbamates, N-methylcarbamates	

INORGANIC (MS)
Proposed Field of Accreditation #1140

Program	Subgroup Code	Analyte Code	Method	Analyte	Technology
Drinking Water					
DW	102.047	001	EPA 331.0	Perchlorate	LC-MS
DW	102.048	001	EPA 332.0	Perchlorate	IC-MS
DW	102.090	001	EPA 557.0	Bromate	IC-ESI-MS/MS
DW	103.140	001	EPA 200.8	Aluminum	ICP-MS
DW	103.140	002	EPA 200.8	Antimony	ICP-MS
DW	103.140	003	EPA 200.8	Arsenic	ICP-MS
DW	103.140	004	EPA 200.8	Barium	ICP-MS
DW	103.140	005	EPA 200.8	Beryllium	ICP-MS
DW	103.140	006	EPA 200.8	Cadmium	ICP-MS
DW	103.140	007	EPA 200.8	Chromium	ICP-MS
DW	103.140	008	EPA 200.8	Copper	ICP-MS
DW	103.140	009	EPA 200.8	Lead	ICP-MS
DW	103.140	010	EPA 200.8	Manganese	ICP-MS
DW	103.140	011	EPA 200.8	Mercury	ICP-MS
DW	103.140	012	EPA 200.8	Nickel	ICP-MS
DW	103.140	013	EPA 200.8	Selenium	ICP-MS
DW	103.140	014	EPA 200.8	Silver	ICP-MS
DW	103.140	015	EPA 200.8	Thallium	ICP-MS
DW	103.140	016	EPA 200.8	Zinc	ICP-MS
DW	103.140	017	EPA 200.8	Boron	ICP-MS
DW	103.140	018	EPA 200.8	Vanadium	ICP-MS
Wastewater					
WW	108.113	001	EPA 200.8, Rev. 5.4 (1994)	Boron	ICP-MS
WW	108.113	002	EPA 200.8, Rev. 5.4 (1994)	Calcium	ICP-MS
WW	108.113	003	EPA 200.8, Rev. 5.4 (1994)	Magnesium	ICP-MS
WW	108.113	004	EPA 200.8, Rev. 5.4 (1994)	Potassium	ICP-MS
WW	108.113	005	EPA 200.8, Rev. 5.4 (1994)	Silica, Dissolved	ICP-MS
WW	108.113	006	EPA 200.8, Rev. 5.4 (1994)	Sodium	ICP-MS
WW	108.438	001	SM 3125 B-2009	Boron	ICP-MS
WW	108.438	002	SM 3125 B-2009	Calcium	ICP-MS
WW	108.438	003	SM 3125 B-2009	Magnesium	ICP-MS
WW	108.438	004	SM 3125 B-2009	Potassium	ICP-MS
WW	108.438	005	SM 3125 B-2009	Silica, Dissolved	ICP-MS
WW	108.438	006	SM 3125 B-2009	Sodium	ICP-MS
WW	108.438	007	SM 3125 B-2009	Hardness (calculation)	ICP-MS
WW	109.020	001	EPA 200.8 Rev. 5.4 (1994)	Aluminum	ICP-MS
WW	109.020	002	EPA 200.8 Rev. 5.4 (1994)	Antimony	ICP-MS
WW	109.020	003	EPA 200.8 Rev. 5.4 (1994)	Arsenic	ICP-MS

INORGANIC (MS)
Proposed Field of Accreditation #1140

Program	Subgroup Code	Analyte Code	Method	Analyte	Technology
WW	109.020	004	EPA 200.8 Rev. 5.4 (1994)	Barium	ICP-MS
WW	109.020	005	EPA 200.8 Rev. 5.4 (1994)	Beryllium	ICP-MS
WW	109.020	006	EPA 200.8 Rev. 5.4 (1994)	Cadmium	ICP-MS
WW	109.020	007	EPA 200.8 Rev. 5.4 (1994)	Chromium	ICP-MS
WW	109.020	008	EPA 200.8 Rev. 5.4 (1994)	Cobalt	ICP-MS
WW	109.020	009	EPA 200.8 Rev. 5.4 (1994)	Copper	ICP-MS
WW	109.020	010	EPA 200.8 Rev. 5.4 (1994)	Lead	ICP-MS
WW	109.020	011	EPA 200.8 Rev. 5.4 (1994)	Manganese	ICP-MS
WW	109.020	012	EPA 200.8 Rev. 5.4 (1994)	Molybdenum	ICP-MS
WW	109.020	013	EPA 200.8 Rev. 5.4 (1994)	Nickel	ICP-MS
WW	109.020	014	EPA 200.8 Rev. 5.4 (1994)	Selenium	ICP-MS
WW	109.020	015	EPA 200.8 Rev. 5.4 (1994)	Silver	ICP-MS
WW	109.020	016	EPA 200.8 Rev. 5.4 (1994)	Thallium	ICP-MS
WW	109.020	017	EPA 200.8 Rev. 5.4 (1994)	Vanadium	ICP-MS
WW	109.020	018	EPA 200.8 Rev. 5.4 (1994)	Zinc	ICP-MS
WW	109.020	020	EPA 200.8 Rev. 5.4 (1994)	Gold	ICP-MS
WW	109.020	021	EPA 200.8 Rev. 5.4 (1994)	Iron	ICP-MS
WW	109.020	022	EPA 200.8 Rev. 5.4 (1994)	Tin	ICP-MS
WW	109.020	023	EPA 200.8 Rev. 5.4 (1994)	Titanium	ICP-MS
WW	109.431	002	SM 3125 B-2009	Antimony	ICP-MS
WW	109.431	003	SM 3125 B-2009	Arsenic	ICP-MS
WW	109.431	004	SM 3125 B-2009	Barium	ICP-MS
WW	109.431	005	SM 3125 B-2009	Beryllium	ICP-MS
WW	109.431	006	SM 3125 B-2009	Cadmium	ICP-MS
WW	109.431	008	SM 3125 B-2009	Chromium	ICP-MS
WW	109.431	009	SM 3125 B-2009	Cobalt	ICP-MS
WW	109.431	010	SM 3125 B-2009	Copper	ICP-MS
WW	109.431	011	SM 3125 B-2009	Gold	ICP-MS
WW	109.431	012	SM 3125 B-2009	Iridium	ICP-MS
WW	109.431	013	SM 3125 B-2009	Iron	ICP-MS
WW	109.431	014	SM 3125 B-2009	Lead	ICP-MS
WW	109.431	016	SM 3125 B-2009	Manganese	ICP-MS
WW	109.431	017	SM 3125 B-2009	Molybdenum	ICP-MS
WW	109.431	018	SM 3125 B-2009	Nickel	ICP-MS
WW	109.431	019	SM 3125 B-2009	Palladium	ICP-MS
WW	109.431	020	SM 3125 B-2009	Platinum	ICP-MS
WW	109.431	022	SM 3125 B-2009	Rhodium	ICP-MS
WW	109.431	023	SM 3125 B-2009	Ruthenium	ICP-MS
WW	109.431	024	SM 3125 B-2009	Selenium	ICP-MS

INORGANIC (MS)
Proposed Field of Accreditation #1140

Program	Subgroup Code	Analyte Code	Method	Analyte	Technology
WW	109.431	026	SM 3125 B-2009	Silver	ICP-MS
WW	109.431	028	SM 3125 B-2009	Thallium	ICP-MS
WW	109.431	029	SM 3125 B-2009	Tin	ICP-MS
WW	109.431	030	SM 3125 B-2009	Titanium	ICP-MS
WW	109.431	031	SM 3125 B-2009	Vanadium	ICP-MS
WW	109.431	032	SM 3125 B-2009	Zinc	ICP-MS
Hazardous Waste					
HW	114.020	001	EPA 6020	Antimony	
HW	114.020	002	EPA 6020	Arsenic	
HW	114.020	003	EPA 6020	Barium	
HW	114.020	004	EPA 6020	Beryllium	
HW	114.020	005	EPA 6020	Cadmium	
HW	114.020	006	EPA 6020	Chromium	
HW	114.020	007	EPA 6020	Cobalt	
HW	114.020	008	EPA 6020	Copper	
HW	114.020	009	EPA 6020	Lead	
HW	114.020	010	EPA 6020	Molybdenum	
HW	114.020	011	EPA 6020	Nickel	
HW	114.020	012	EPA 6020	Selenium	
HW	114.020	013	EPA 6020	Silver	
HW	114.020	014	EPA 6020	Thallium	
HW	114.020	015	EPA 6020	Vanadium	
HW	114.020	016	EPA 6020	Zinc	
HW	114.025	001	EPA 6020A	Mercury	

Program	Subgroup Code	Analyte Code	Method	Analyte	Technology
Drinking Water					
DW	104.035	001	SRL 524M-TCP	1,2,3-Trichloropropane	GC-MS
DW	104.036	001	SRL 525M-TCP	1,2,3-Trichloropropane	GC-MS
DW	104.040	000	EPA 524.2	Volatile Organic Compounds	GC-MS
DW	104.040	001	EPA 524.2	Benzene	GC-MS
DW	104.040	007	EPA 524.2	n-Butylbenzene	GC-MS
DW	104.040	008	EPA 524.2	sec-Butylbenzene	GC-MS
DW	104.040	009	EPA 524.2	tert-Butylbenzene	GC-MS
DW	104.040	010	EPA 524.2	Carbon Tetrachloride	GC-MS
DW	104.040	011	EPA 524.2	Chlorobenzene	GC-MS
DW	104.040	015	EPA 524.2	2-Chlorotoluene	GC-MS
DW	104.040	016	EPA 524.2	4-Chlorotoluene	GC-MS
DW	104.040	019	EPA 524.2	1,3-Dichlorobenzene	GC-MS
DW	104.040	020	EPA 524.2	1,2-Dichlorobenzene	GC-MS
DW	104.040	021	EPA 524.2	1,4-Dichlorobenzene	GC-MS
DW	104.040	022	EPA 524.2	Dichlorodifluoromethane	GC-MS
DW	104.040	023	EPA 524.2	1,1-Dichloroethane	GC-MS
DW	104.040	024	EPA 524.2	1,2-Dichloroethane	GC-MS
DW	104.040	025	EPA 524.2	1,1-Dichloroethene	GC-MS
DW	104.040	026	EPA 524.2	cis-1,2-Dichloroethene	GC-MS
DW	104.040	027	EPA 524.2	trans-1,2-Dichloroethene	GC-MS
DW	104.040	028	EPA 524.2	Dichloromethane	GC-MS
DW	104.040	029	EPA 524.2	1,2-Dichloropropane	GC-MS
DW	104.040	033	EPA 524.2	cis-1,3-Dichloropropene	GC-MS
DW	104.040	034	EPA 524.2	trans-1,3-Dichloropropene	GC-MS
DW	104.040	035	EPA 524.2	Ethylbenzene	GC-MS
DW	104.040	037	EPA 524.2	Isopropylbenzene	GC-MS
DW	104.040	039	EPA 524.2	Naphthalene	GC-MS
DW	104.040	041	EPA 524.2	N-propylbenzene	GC-MS
DW	104.040	042	EPA 524.2	Styrene	GC-MS
DW	104.040	043	EPA 524.2	1,1,1,2-Tetrachloroethane	GC-MS
DW	104.040	044	EPA 524.2	1,1,2,2-Tetrachloroethane	GC-MS
DW	104.040	045	EPA 524.2	Tetrachloroethene	GC-MS
DW	104.040	046	EPA 524.2	Toluene	GC-MS
DW	104.040	047	EPA 524.2	1,2,3-Trichlorobenzene	GC-MS
DW	104.040	048	EPA 524.2	1,2,4-Trichlorobenzene	GC-MS
DW	104.040	049	EPA 524.2	1,1,1-Trichloroethane	GC-MS
DW	104.040	050	EPA 524.2	1,1,2-Trichloroethane	GC-MS
DW	104.040	051	EPA 524.2	Trichloroethene	GC-MS

Program	Subgroup Code	Analyte Code	Method	Analyte	Technology
DW	104.040	052	EPA 524.2	Trichlorofluoromethane	GC-MS
DW	104.040	054	EPA 524.2	1,2,4-Trimethylbenzene	GC-MS
DW	104.040	055	EPA 524.2	1,3,5-Trimethylbenzene	GC-MS
DW	104.040	056	EPA 524.2	Vinyl Chloride	GC-MS
DW	104.040	057	EPA 524.2	Xylenes, Total	GC-MS
DW	104.040	061	EPA 524.2	Carbon Disulfide	GC-MS
DW	104.040	062	EPA 524.2	Methyl Isobutyl Ketone	GC-MS
DW	104.045	000	EPA 524.2	Trihalomethanes, Total	GC-MS
DW	104.045	001	EPA 524.2	Bromodichloromethane	GC-MS
DW	104.045	002	EPA 524.2	Bromoform	GC-MS
DW	104.045	003	EPA 524.2	Chloroform	GC-MS
DW	104.045	004	EPA 524.2	Dibromochloromethane	GC-MS
DW	104.050	000	EPA 524.2	Gasoline Additives	GC-MS
DW	104.050	002	EPA 524.2	Methyl tert-butyl Ether (MTBE)	GC-MS
DW	104.050	003	EPA 524.2	tert-Amyl Methyl Ether (TAME)	GC-MS
DW	104.050	004	EPA 524.2	Ethyl tert-butyl Ether (ETBE)	GC-MS
DW	104.050	005	EPA 524.2	Trichlorotrifluoroethane	GC-MS
DW	104.050	006	EPA 524.2	tert-Butyl Alcohol (TBA)	GC-MS
DW	104.055	000	EPA 524.3	Volatile Organic compounds	GC-MS
DW	104.055	001	EPA 524.3	Benzene	GC-MS
DW	104.055	002	EPA 524.3	Carbon Tetrachloride	GC-MS
DW	104.055	003	EPA 524.3	Chlorobenzene	GC-MS
DW	104.055	004	EPA 524.3	1,2-Dichlorobenzene	GC-MS
DW	104.055	005	EPA 524.3	1,4-Dichlorobenzene	GC-MS
DW	104.055	006	EPA 524.3	1,2-Dichloroethane	GC-MS
DW	104.055	007	EPA 524.3	cis-1,2-Dichloroethene	GC-MS
DW	104.055	008	EPA 524.3	trans-1,2-Dichloroethene	GC-MS
DW	104.055	009	EPA 524.3	Dichloromethane	GC-MS
DW	104.055	010	EPA 524.3	1,2-Dichloropropane	GC-MS
DW	104.055	011	EPA 524.3	Ethylbenzene	GC-MS
DW	104.055	012	EPA 524.3	Styrene	GC-MS
DW	104.055	013	EPA 524.3	Tetrachloroethene	GC-MS
DW	104.055	014	EPA 524.3	1,1,1-Trichloroethane	GC-MS
DW	104.055	015	EPA 524.3	Trichloroethene	GC-MS
DW	104.055	016	EPA 524.3	Toluene	GC-MS
DW	104.055	017	EPA 524.3	1,2,4-Trichlorobenzene	GC-MS
DW	104.055	018	EPA 524.3	1,1-Dichloroethene	GC-MS
DW	104.055	019	EPA 524.3	1,1,2-Trichloroethane	GC-MS
DW	104.055	020	EPA 524.3	Vinyl Chloride	GC-MS

Program	Subgroup Code	Analyte Code	Method	Analyte	Technology
DW	104.055	021	EPA 524.3	Xylenes, Total	GC-MS
DW	104.055	022	EPA 524.3	1,2-Dibromo-3-chloropropane	GC-MS
DW	104.055	023	EPA 524.3	1,2-Dibromoethane	GC-MS
DW	104.056	000	EPA 524.3	Trihalomethanes, Total	GC-MS
DW	104.056	001	EPA 524.3	Bromodichloromethane	GC-MS
DW	104.056	002	EPA 524.3	Bromoform	GC-MS
DW	104.056	003	EPA 524.3	Chloroform	GC-MS
DW	104.056	004	EPA 524.3	Dibromochloromethane	GC-MS
DW	104.057	000	EPA 524.3	Gasoline Additives	GC-MS
DW	104.057	001	EPA 524.3	Diisoprpyl ether (DIPE)	GC-MS
DW	104.057	002	EPA 524.3	Methyl tert-butyl Ether (MTBE)	GC-MS
DW	104.057	003	EPA 524.3	tert-Amyl Methyl Ether (TAME)	GC-MS
DW	104.057	004	EPA 524.3	Ethyl tert-butyl Ether (ETBE)	GC-MS
DW	104.057	005	EPA 524.3	Trichlorotrifluoroethane	GC-MS
DW	104.057	006	EPA 524.3	tert-Butyl Alcohol (TBA)	GC-MS
DW	104.057	007	EPA 524.3	Trichlorotrifluoroethane	GC-MS
DW	104.058	000	EPA 524.4	Volatile Organic compounds	GC-MS
DW	104.058	001	EPA 524.4	Benzene	GC-MS
DW	104.058	002	EPA 524.4	Carbon Tetrachloride	GC-MS
DW	104.058	003	EPA 524.4	Chlorobenzene	GC-MS
DW	104.058	004	EPA 524.4	1,2-Dichlorobenzene	GC-MS
DW	104.058	005	EPA 524.4	1,4-Dichlorobenzene	GC-MS
DW	104.058	006	EPA 524.4	1,2-Dichloroethane	GC-MS
DW	104.058	007	EPA 524.4	cis-1,2-Dichloroethene	GC-MS
DW	104.058	008	EPA 524.4	trans-1,2-Dichloroethene	GC-MS
DW	104.058	009	EPA 524.4	Dichloromethane	GC-MS
DW	104.058	010	EPA 524.4	1,2-Dichloropropane	GC-MS
DW	104.058	011	EPA 524.4	Ethylbenzene	GC-MS
DW	104.058	012	EPA 524.4	Styrene	GC-MS
DW	104.058	013	EPA 524.4	Tetrachloroethene	GC-MS
DW	104.058	014	EPA 524.4	1,1,1-Trichloroethane	GC-MS
DW	104.058	015	EPA 524.4	Trichloroethene	GC-MS
DW	104.058	016	EPA 524.4	Toluene	GC-MS
DW	104.058	017	EPA 524.4	1,2,4-Trichlorobenzene	GC-MS
DW	104.058	018	EPA 524.4	1,1-Dichloroethene	GC-MS
DW	104.058	019	EPA 524.4	1,1,2-Trichloroethane	GC-MS
DW	104.058	020	EPA 524.4	Vinyl Chloride	GC-MS
DW	104.058	021	EPA 524.4	Xylenes, Total	GC-MS
DW	104.058	022	EPA 524.4	1,2-Dibromo-3-chloropropane	GC-MS

Program	Subgroup Code	Analyte Code	Method	Analyte	Technology
DW	104.058	023	EPA 524.4	1,2-Dibromoethane	GC-MS
DW	104.059	000	EPA 524.4	Trihalomethanes, Total	GC-MS
DW	104.059	001	EPA 524.4	Bromodichloromethane	GC-MS
DW	104.059	002	EPA 524.4	Bromoform	GC-MS
DW	104.059	003	EPA 524.4	Chloroform	GC-MS
DW	104.059	004	EPA 524.4	Dibromochloromethane	GC-MS
DW	104.061	000	EPA 524.4	Gasoline Additives	GC-MS
DW	104.061	001	EPA 524.4	Diisoprpyl ether (DIPE)	GC-MS
DW	104.061	003	EPA 524.4	tert-Amyl Methyl Ether (TAME)	GC-MS
DW	104.061	004	EPA 524.4	Ethyl tert-butyl Ether (ETBE)	GC-MS
DW	104.061	005	EPA 524.4	Trichlorotrifluoroethane	GC-MS
DW	104.061	006	EPA 524.4	tert-Butyl Alcohol (TBA)	GC-MS
DW	104.061	007	EPA 524.4	Trichlorotrifluoroethane	GC-MS
DW	105.090	000	EPA 525.2	Organic Compounds	GC-MS
DW	105.090	001	EPA 525.2	Alachlor	GC-MS
DW	105.090	002	EPA 525.2	Aldrin	GC-MS
DW	105.090	003	EPA 525.2	Atrazine	GC-MS
DW	105.090	004	EPA 525.2	Benzo(a)pyrene	GC-MS
DW	105.090	005	EPA 525.2	Butachlor	GC-MS
DW	105.090	006	EPA 525.2	Chlordane	GC-MS
DW	105.090	007	EPA 525.2	Dieldrin	GC-MS
DW	105.090	008	EPA 525.2	Di(2-ethylhexyl) Adipate	GC-MS
DW	105.090	009	EPA 525.2	Di(2-ethylhexyl) Phthalate	GC-MS
DW	105.090	013	EPA 525.2	Endrin	GC-MS
DW	105.090	014	EPA 525.2	Heptachlor	GC-MS
DW	105.090	015	EPA 525.2	Heptachlor Epoxide	GC-MS
DW	105.090	016	EPA 525.2	Hexachlorobenzene	GC-MS
DW	105.090	017	EPA 525.2	Hexachlorocyclopentadiene	GC-MS
DW	105.090	018	EPA 525.2	Lindane	GC-MS
DW	105.090	019	EPA 525.2	Methoxychlor	GC-MS
DW	105.090	022	EPA 525.2	Molinate	GC-MS
DW	105.090	023	EPA 525.2	Pentachlorophenol	GC-MS
DW	105.090	025	EPA 525.2	Simazine	GC-MS
DW	105.090	026	EPA 525.2	Toxaphene	GC-MS
DW	105.090	027	EPA 525.2	PCBs as Aroclors	GC-MS
DW	105.091	000	EPA 525.3	Organic Compounds	GC-MS
DW	105.091	001	EPA 525.3	Alachlor	GC-MS
DW	105.0910	002	EPA 525.3	Aldrin	GC-MS
DW	105.091	003	EPA 525.3	Atrazine	GC-MS

Program	Subgroup Code	Analyte Code	Method	Analyte	Technology
DW	105.091	004	EPA 525.3	Bromacil	GC-MS
DW	105.091	005	EPA 525.3	Butachlor	GC-MS
DW	105.091	006	EPA 525.3	Chlordane	GC-MS
DW	105.091	007	EPA 525.3	Diazinon	GC-MS
DW	105.091	008	EPA 525.3	Di(2-ethylhexyl) Adipate	GC-MS
DW	105.091	009	EPA 525.3	Dieldrin	GC-MS
DW	105.091	010	EPA 525.3	Endrin	GC-MS
DW	105.091	011	EPA 525.3	Heptachlor	GC-MS
DW	105.091	012	EPA 525.3	Heptachlor Epoxide	GC-MS
DW	105.091	013	EPA 525.3	Hexachlorobenzene	GC-MS
DW	105.091	014	EPA 525.3	Hexachlorocyclopentadiene	GC-MS
DW	105.091	015	EPA 525.3	Lindane (gamma-BHC)	GC-MS
DW	105.091	016	EPA 525.3	Methoxychlor	GC-MS
DW	105.091	017	EPA 525.3	Metolachlor	GC-MS
DW	105.091	018	EPA 525.3	Metribuzin	GC-MS
DW	105.091	019	EPA 525.3	Molinate (Ordram)	GC-MS
DW	105.091	020	EPA 525.3	Pentachlorophenol	GC-MS
DW	105.091	021	EPA 525.3	Propachlor	GC-MS
DW	105.091	022	EPA 525.3	Simazine	GC-MS
DW	105.091	023	EPA 525.3	Thiobencarb	GC-MS
DW	105.091	024	EPA 525.3	Toxaphene	GC-MS
DW	105.091	025	EPA 525.3	PCBs as Aroclors	GC-MS
DW	105.091		EPA 525.3	Benzo(a)pyrene	GC-MS
DW	105.140	001	EPA 548.1	Endothall	GC-MS
DW	105.215	001	EPA 557	Haloacetic Acids	IC-MS-MS
DW	105.215	002	EPA 557	Dalapon	IC-MS-MS
DW	105.230	000	EPA 1613	Dioxins	HRGC-HRMS
DW	105.230	001	EPA 1613	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	HRGC-HRMS
DW	105.230	002	EPA 1613	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) Screening Only	HRGC-HRMS
Wastewater					
WW	110.031	000	EPA 611	Haloethers	GC-MS
WW	110.040	000	EPA 624	Purgeable Organic Compounds	GC-MS
WW	110.050	000	EPA 1624B	Volatile Organic Compounds	GC-MS
WW	110.051	000	SM 6200B-1997	Volatile Organic Compounds	GC-MS
WW	111.100	000	EPA 625	Base/Neutral & Acid Organics	GC-MS
WW	111.101	000	EPA 625	Organochlorine Pesticides & PCBs	GC-MS

Program	Subgroup Code	Analyte Code	Method	Analyte	Technology
WW	111.102	001	EPA 625	2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) Screening Only	GC-MS
WW	111.103	000	EPA 625	Nitrosamines	GC-MS
WW	111.111	000	EPA 1613B	Dioxins & Furans	GC-MS
WW	111.120	000	EPA 1625B	Semivolatile Organics by Isotope dilution	GC-MS
WW	111.130	000	SM 6410 B-2000	Base/Neutral & Acid Organics	GC-MS
WW	111.131	000	SM 6410 B-2000	Organochlorine Pesticides & PCBs	GC-MS
Hazardous Waste					
HW	116.010	000	EPA 8011	EDB and DBCP	
HW	116.080	000	EPA 8260B	Volatile Organic Compounds	
HW	116.080	120	EPA 8260B	Oxygenates	
HW	116.100	001	LUFT GC/MS	Total Petroleum Hydrocarbons - Gasoline	
HW	116.100	010	LUFT GC/MS	BTEX and MTBE	
HW	116.110	001	LUFT	Total Petroleum Hydrocarbons - Gasoline	
HW	117.015	001	LUFT GC/MS	Diesel-range Total Petroleum Hydrocarbons	
HW	117.016	001	LUFT	Diesel-range Total Petroleum Hydrocarbons	
HW	117.110	000	EPA 8270C	Extractable Organics	
HW	117.111	070	EPA 8270C	PCBs	
HW	117.111	071	EPA 8270C	Pesticides	
HW	117.120	000	EPA 8280A	Dioxins and Dibenzofurans	
HW	117.130	000	EPA 8290	Dioxins and Dibenzofurans	
HW	117.280	000	EPA 8321A	Carbamates	

RADIOCHEMISTRY
Proposed Field of Accreditation #1160

Program	Subgroup Code	Analyte Code	Method	Analyte	Technology
Drinking Water					
DW	106.010	001	EPA 900.0	Gross Alpha	
DW	106.010	002	EPA 900.0	Gross Beta	
DW	106.020	001	EPA 901.0	Radioactive Cesium	
DW	106.030	001	EPA 901.1	Radioactive Cesium	
DW	106.030	002	EPA 901.1	Radioactive Iodine	
DW	106.030	003	EPA 901.1	Gamma Emitters	
DW	106.040	001	EPA 902.0	Radioactive Iodine	
DW	106.050	001	EPA 903.0	Total Alpha Radium	
DW	106.050	002	EPA 903.0	Radium-226	
DW	106.051	001	EPA 903.1	Radium-226	
DW	106.060	001	EPA 904.0	Radium-228	
DW	106.070	001	EPA 905.0	Strontium-89, 90	
DW	106.070	002	EPA 905.0	Strontium-89	
DW	106.070	003	EPA 905.0	Strontium-90	
DW	106.080	001	EPA 906.0	Tritium	
DW	106.090	001	EPA 908.0	Uranium	
DW	106.091	001	EPA 908.1	Uranium	
DW	106.092	001	EPA 200.8	Uranium	
DW	106.100	001	EPA 600/4-75-008, p1	Gross Alpha	
DW	106.100	002	EPA 600/4-75-008, p1	Gross Beta	
DW	106.100	003	EPA 600/4-75-008, p4	Radioactive Cesium	
DW	106.100	004	EPA 600/4-75-008, p6	Radioactive Iodine	
DW	106.100	005	EPA 600/4-75-008, p13	Total Alpha Radium	
DW	106.100	007	EPA 600/4-75-008, p16	Radium-226	
DW	106.100	008	EPA 600/4-75-008, p24	Radium-228	
DW	106.100	009	EPA 600/4-75-008, p29	Strontium-89, 90	
DW	106.100	010	EPA 600/4-75-008, p29	Strontium-89	
DW	106.100	011	EPA 600/4-75-008, p29	Strontium-90	
DW	106.100	012	EPA 600/4-75-008, p34	Tritium	
DW	106.100	013	EPA 600/4-75-008, p9	Radioactive Iodine	
DW	106.110	001	EPA 00-01	Gross Alpha	
DW	106.110	002	EPA 00-01	Gross Beta	
DW	106.120	001	EPA 00-02	Gross Alpha	
DW	106.130	001	EPA 00-07	Uranium	
DW	106.140	001	EPA H-02	Tritium	
DW	106.150	002	EPA Ra-03	Radium-226	
DW	106.160	001	EPA Ra-04	Radium-226	
DW	106.170	001	EPA Ra-05	Radium-228	

Program	Subgroup Code	Analyte Code	Method	Analyte	Technology
DW	106.180	001	EPA Sr-04	Strontium-89, 90	
DW	106.180	002	EPA Sr-04	Strontium-89	
DW	106.180	003	EPA Sr-04	Strontium-90	
DW	106.190	001	EPA (March, 1979), p1	Gross Alpha	
DW	106.190	002	EPA (March, 1979), p1	Gross Beta	
DW	106.190	003	EPA (March, 1979), p19	Radium-226	
DW	106.190	004	EPA (March, 1979), p19	Radium-228	
DW	106.190	005	EPA (March, 1979), p33	Uranium	
DW	106.190	006	EPA (March, 1979), p65	Strontium-89, 90	
DW	106.190	007	EPA (March, 1979), p65	Strontium-89	
DW	106.190	008	EPA (March, 1979), p65	Strontium-90	
DW	106.190	009	EPA (March, 1979), p87	Tritium	
DW	106.190	010	EPA (March, 1979), p92	Radioactive Cesium	
DW	106.190	011	EPA (March, 1979), p92	Radioactive Iodine	
DW	106.190	012	EPA (March, 1979), p92	Gamma Emitters	
DW	106.200	001	DOE Ra-05	Radium-226	
DW	106.210	001	DOE Sr-01	Strontium-89, 90	
DW	106.220	001	DOE Sr-02	Strontium-89, 90	
DW	106.230	001	DOE U-02	Uranium	
DW	106.240	001	DOE U-04	Uranium	
DW	106.250	001	DOE 4.5.2.3	Radioactive Cesium	
DW	106.250	002	DOE 4.5.2.3	Radioactive Iodine	
DW	106.250	003	DOE 4.5.2.3	Gamma Emitters	
DW	106.260	001	SM7110B	Gross Alpha	
DW	106.260	002	SM7110B	Gross Beta	
DW	106.270	001	SM7110C	Gross Alpha	
DW	106.280	001	SM7120	Radioactive Cesium	
DW	106.280	002	SM7120	Radioactive Iodine	
DW	106.280	003	SM7120	Gamma Emitters	
DW	106.290	001	SM7500-Cs B	Radioactive Cesium	
DW	106.300	001	SM7500-3H B	Tritium	
DW	106.310	001	SM7500-I B	Radioactive Iodine	
DW	106.320	001	SM7500-I C	Radioactive Iodine	
DW	106.340	001	SM7500-Ra B	Total Alpha Radium	
DW	106.340	002	SM7500-Ra B	Radium-226	
DW	106.350	001	SM7500-Ra C	Radium-226	
DW	106.360	001	SM7500-Ra D	Radium-228	
DW	106.370	001	SM7500-Sr B	Strontium-89, 90	
DW	106.370	002	SM7500-Sr B	Strontium-89	

Program	Subgroup Code	Analyte Code	Method	Analyte	Technology
DW	106.370	003	SM7500-Sr B	Strontium-90	
DW	106.380	001	SM7500-U B	Uranium	
DW	106.390	001	SM7500-U C	Uranium	
DW	106.391	001	SM3125	Uranium	
DW	106.400	001	ASTM D2459-72	Radioactive Cesium	
DW	106.410	001	ASTM D2460-90	Total Alpha Radium	
DW	106.410	002	ASTM D2460-90	Radium-226	
DW	106.420	001	ASTM D2907-91	Uranium	
DW	106.430	001	ASTM D3454-91	Radium-226	
DW	106.440	001	ASTM D3649-91	Radioactive Cesium	
DW	106.440	002	ASTM D3649-91	Radioactive Iodine	
DW	106.440	003	ASTM D3649-91	Gamma Emitters	
DW	106.450	001	ASTM D3972-90	Uranium	
DW	106.451	001	ASTM D5673-03	Uranium	
DW	106.460	001	ASTM D4107-91	Tritium	
DW	106.470	001	ASTM D4785-88	Radioactive Iodine	
DW	106.480	001	ASTM D5174-97	Uranium	
DW	106.490	001	USGS R-1110-76	Radioactive Cesium	
DW	106.500	001	USGS R-1111-76	Radioactive Cesium	
DW	106.510	001	USGS R-1120-76	Gross Alpha	
DW	106.510	002	USGS R-1120-76	Gross Beta	
DW	106.520	001	USGS R-1140-76	Radium-226	
DW	106.520	002	USGS R-1140-76	Total Alpha Radium	
DW	106.530	001	USGS R-1141-76	Radium-226	
DW	106.540	001	USGS R-1142-76	Radium-228	
DW	106.550	001	USGS R-1160-76	Strontium-89, 90	
DW	106.550	002	USGS R-1160-76	Strontium-89	
DW	106.550	003	USGS R-1160-76	Strontium-90	
DW	106.560	001	USGS R-1171-76	Tritium	
DW	106.570	001	USGS R-1180-76	Uranium	
DW	106.580	001	USGS R-1181-76	Uranium	
DW	106.590	001	USGS R-1182-76	Uranium	
DW	106.610	001	SM7500-Rn	Radon-222	
DW	106.620	001	ASTM D5072-92	Radon-222	
DW	106.630	001	EPA 600/2-87/082, p22	Radon-222	
Wastewater					
WW	112.010	001	EPA 900.0	Gross Alpha	
WW	112.010	002	EPA 900.0	Gross Beta	
WW	112.020	001	EPA 903.0	Total Alpha Radium	

Program	Subgroup Code	Analyte Code	Method	Analyte	Technology
WW	112.021	001	EPA 903.1	Radium-226	
WW	112.030	001	SM7110B	Gross Alpha	
WW	112.030	002	SM7110B	Gross Beta	
WW	112.040	001	SM7500-Ra B	Total Alpha Radium	
WW	112.050	001	SM7500-Ra C	Radium-226	
WW	112.060	001	ASTM D1890-90	Gross Beta	
WW	112.070	001	ASTM D1943-90	Gross Alpha	
WW	112.080	001	ASTM D2460-90	Total Alpha Radium	
WW	112.090	001	ASTM D3454-91	Radium-226	
WW	112.100	001	USGS 76-177, p.75 & 78	Gross Alpha	
WW	112.100	002	USGS 76-177, p.75 & 78	Gross Beta	
WW	112.100	003	USGS 76-177, p.81	Radium-226	
WW	112.110	001	EPA (1976), p24	Radium-228	
WW	112.110	005	EPA (March, 1979), p19	Radium-228	
WW	112.110	006	EPA (March, 1979), p33	Uranium	
WW	112.110	007	EPA (March, 1979), p65	Strontium	
WW	112.110	008	EPA (March, 1979), p92	Cesium	
WW	112.110	009	EPA (March, 1979), p92	Iodine	
WW	112.120	001	EPA 00-07	Uranium	
WW	112.130	001	EPA 901.0	Cesium	
WW	112.140	001	EPA 901.1	Cesium	
WW	112.140	002	EPA 901.1	Gamma	
WW	112.140	003	EPA 901.1	Iodine	
WW	112.150	001	EPA 902.0	Iodine	
WW	112.160	001	EPA 904.0	Radium-228	
WW	112.170	001	EPA 905.0	Strontium	
WW	112.180	001	EPA 906.0	Tritium	
WW	112.190	001	EPA 908.0	Uranium	
WW	112.210	001	EPA Ra-05	Radium-228	
WW	112.220	001	EPA Sr-04	Strontium	
WW	112.230	001	SM303	Strontium	
WW	112.240	001	SM304	Radium-228	
WW	112.260	001	SM7120	Gamma	
WW	112.260	002	SM7120	Iodine	
WW	112.260	003	SM7120	Cesium	
WW	112.300	001	SM7500-I C	Iodine	
WW	112.350	001	SM7500-U C	Uranium	
WW	112.380	001	ASTM D3649-91	Cesium	
WW	112.380	002	ASTM D3649-91	Gamma	

Program	Subgroup Code	Analyte Code	Method	Analyte	Technology
WW	112.380	003	ASTM D3649-91	Iodine	
WW	112.390	001	ASTM D3972-90	Uranium	
WW	112.400	001	ASTM D4785-88	Iodine	
WW	112.420	001	USGS R-1110-76	Cesium	
WW	112.430	001	USGS R-1111-76	Cesium	
WW	112.440	001	USGS R-1142-76	Radium-228	
WW	112.450	001	USGS R-1160-76	Strontium	
WW	112.460	001	USGS R-1180-76	Uranium	
WW	112.470	001	USGS R-1181-76	Uranium	
WW	112.480	001	USGS R-1182-76	Uranium	
WW	112.490	001	DOE 4.5.2.3	Cesium	
WW	112.490	002	DOE 4.5.2.3	Gamma	
WW	112.490	003	DOE 4.5.2.3	Iodine	
WW	112.500	001	DOE Sr-01	Strontium	
WW	112.510	001	DOE Sr-02	Strontium	
WW	112.520	001	DOE U-02	Uranium	
WW	112.530	001	DOE U-04	Uranium	
Hazardous Waste					
HW	118.010	001	EPA 9310	Gross Alpha	
HW	118.010	002	EPA 9310	Gross Beta	
HW	118.020	001	EPA 9315	Radium, Total	
HW	118.030	001	EPA 9320	Radium-228	
HW	118.040	001	EPA (March, 1979), p19	Radium-226	
HW	118.040	002	EPA (March, 1979), p19	Radium-228	
HW	118.040	003	EPA (March, 1979), p33	Plutonium	
HW	118.040	004	EPA (March, 1979), p33	Uranium	
HW	118.040	005	EPA (March, 1979), p65	Strontium	
HW	118.040	006	EPA (March, 1979), p87	Tritium	
HW	118.050	001	EPA 00-05	Thorium	
HW	118.050	002	EPA 00-05	Uranium	
HW	118.060	001	EPA 00-07	Thorium	
HW	118.060	002	EPA 00-07	Uranium	
HW	118.070	001	EPA (March, 1979), p33	Thorium	
HW	118.090	001	EPA AM-01-1	Americium-241	
HW	118.100	001	EPA H-01	Tritium	
HW	118.110	001	EPA Pu-01	Plutonium	
HW	118.120	001	EPA Ra-01	Radium-226	
HW	118.130	001	EPA Ra-03	Radium-226	
HW	118.140	001	EPA Ra-04	Radium-226	

Program	Subgroup Code	Analyte Code	Method	Analyte	Technology
HW	118.150	001	EPA Ra-05	Radium-228	
HW	118.160	001	EPA Sr-01	Strontium	
HW	118.170	001	EPA Sr-04	Strontium	
HW	118.200	001	DOE 4.5.2.3	Gamma	
HW	118.210	001	DOE Am-01	Americium-241	
HW	118.211	001	DOE Am-02	Americium-241	
HW	118.212	001	DOE Am-03	Americium-241	
HW	118.220	001	DOE H-03	Tritium	
HW	118.230	001	DOE Pu-02	Plutonium	
HW	118.231	001	DOE Pu-03	Plutonium	
HW	118.240	001	DOE Pu-10	Plutonium	
HW	118.250	001	DOE Ra-04	Radium-226	
HW	118.260	001	DOE Se-01	Radium-226	
HW	118.260	002	DOE Se-01	Uranium	
HW	118.270	001	DOE Sr-01	Strontium	
HW	118.271	001	DOE Sr-02	Strontium	
HW	118.280	001	DOE Tc-01	Technetium	
HW	118.290	001	DOE U-02	Uranium	

MICROSCOPY
Proposed Field of Accreditation #1170

DRAFT

Program	Subgroup Code	Analyte Code	Method	Analyte	Technology
Drinking Water					
DW	103.300	001	EPA 100.1	Asbestos	
DW	103.301	001	EPA 100.2	Asbestos	
Hazardous Waste					
HW	121.010	001	EPA 600/M4-82-020	Bulk Asbestos	

AQUATIC TOXICITY BIOASSAY
Proposed Field of Accreditation #1180

Program	Subgroup Code	Analyte Code	Method	Analyte	Technology
Wastewater					
WW	113.010	001A	EPA 600/4-90/027F, Static	Fathead Minnow (P. promelas)	
WW	113.010	001B	EPA 600/4-90/027F, Static Renewal	Fathead Minnow (P. promelas)	
WW	113.010	001C	EPA 600/4-90/027F, Continuous Flow	Fathead Minnow (P. promelas)	
WW	113.010	003A	EPA 600/4-90/027F, Static	Rainbow trout (O. mykiss)	
WW	113.010	003B	EPA 600/4-90/027F, Static Renewal	Rainbow trout (O. mykiss)	
WW	113.010	003C	EPA 600/4-90/027F, Continuous Flow	Rainbow trout (O. mykiss)	
WW	113.010	004A	EPA 600/4-90/027F, Static	Brook trout (S. fontinalis)	
WW	113.010	004B	EPA 600/4-90/027F, Static Renewal	Brook trout (S. fontinalis)	
WW	113.010	004C	EPA 600/4-90/027F, Continuous Flow	Brook trout (S. fontinalis)	
WW	113.010	005A	EPA 600/4-90/027F, Static	Daphnid (C. dubia)	
WW	113.010	005B	EPA 600/4-90/027F, Static Renewal	Daphnid (C. dubia)	
WW	113.010	005C	EPA 600/4-90/027F, Continuous Flow	Daphnid (C. dubia)	
WW	113.010	006A	EPA 600/4-90/027F, Static	Daphnia spp.	
WW	113.010	006B	EPA 600/4-90/027F, Static Renewal	Daphnia spp.	
WW	113.010	006C	EPA 600/4-90/027F, Continuous Flow	Daphnia spp.	
WW	113.010	007A	EPA 600/4-90/027F, Static	Bannerfin shiner (C. leedsi)	
WW	113.010	007B	EPA 600/4-90/027F, Static Renewal	Bannerfin shiner (C. leedsi)	
WW	113.010	007C	EPA 600/4-90/027F, Continuous Flow	Bannerfin shiner (C. leedsi)	
WW	113.010	008A	EPA 600/4-90/027F, Static	Topsmelt (A. affinis)	
WW	113.010	008B	EPA 600/4-90/027F, Static Renewal	Topsmelt (A. affinis)	
WW	113.010	008C	EPA 600/4-90/027F, Continuous Flow	Topsmelt (A. affinis)	
WW	113.010	009A	EPA 600/4-90/027F, Static	Silverside (Menidia spp.)	
WW	113.010	009B	EPA 600/4-90/027F, Static Renewal	Silverside (Menidia spp.)	
WW	113.010	009C	EPA 600/4-90/027F, Continuous Flow	Silverside (Menidia spp.)	
WW	113.010	010A	EPA 600/4-90/027F, Static	Sanddab (C. sitigmaeus)	
WW	113.010	010B	EPA 600/4-90/027F, Static Renewal	Sanddab (C. sitigmaeus)	
WW	113.010	010C	EPA 600/4-90/027F, Continuous Flow	Sanddab (C. sitigmaeus)	
WW	113.010	011A	EPA 600/4-90/027F, Static	Sheepshead minnow (C. variegatus)	
WW	113.010	011B	EPA 600/4-90/027F, Static Renewal	Sheepshead minnow (C. variegatus)	
WW	113.010	011C	EPA 600/4-90/027F, Continuous Flow	Sheepshead minnow (C. variegatus)	
WW	113.010	012A	EPA 600/4-90/027F, Static	Mysid (M. bahia)	
WW	113.010	012B	EPA 600/4-90/027F, Static Renewal	Mysid (M. bahia)	
WW	113.010	012C	EPA 600/4-90/027F, Continuous Flow	Mysid (M. bahia)	
WW	113.010	016A	EPA 600/4-90/027F, Static	Pacific mysid (H. costata)	
WW	113.010	016B	EPA 600/4-90/027F, Static Renewal	Pacific mysid (H. costata)	
WW	113.010	016C	EPA 600/4-90/027F, Continuous Flow	Pacific mysid (H. costata)	
WW	113.021	001A	EPA 2000 (EPA-821-R-02-012), Static	Fathead Minnow (P. promelas)	
WW	113.021	001B	EPA 2000 (EPA-821-R-02-012), Static Renewal	Fathead Minnow (P. promelas)	
WW	113.021	001C	EPA 2000 (EPA-821-R-02-012), Continuous Flow	Fathead Minnow (P. promelas)	
WW	113.021	007A	EPA 2000 (EPA-821-R-02-012), Static	Bannerfin shiner (C. leedsi)	
WW	113.021	007B	EPA 2000 (EPA-821-R-02-012), Static Renewal	Bannerfin shiner (C. leedsi)	

AQUATIC TOXICITY BIOASSAY
Proposed Field of Accreditation #1180

Program	Subgroup Code	Analyte Code	Method	Analyte	Technology
WW	113.021	007C	EPA 2000 (EPA-821-R-02-012), Continuous Flow	Bannerfin shiner (C. leedsi)	
WW	113.022	003A	EPA 2019 (EPA-821-R-02-012), Static	Rainbow trout (O. mykiss)	
WW	113.022	003B	EPA 2019 (EPA-821-R-02-012), Static Renewal	Rainbow trout (O. mykiss)	
WW	113.022	003C	EPA 2019 (EPA-821-R-02-012), Continuous Flow	Rainbow trout (O. mykiss)	
WW	113.022	004A	EPA 2019 (EPA-821-R-02-012), Static	Brook trout (S. fontinalis)	
WW	113.022	004B	EPA 2019 (EPA-821-R-02-012), Static Renewal	Brook trout (S. fontinalis)	
WW	113.022	004C	EPA 2019 (EPA-821-R-02-012), Continuous Flow	Brook trout (S. fontinalis)	
WW	113.023	005A	EPA 2002 (EPA-821-R-02-012), Static	Daphnid (C. dubia)	
WW	113.023	005B	EPA 2002 (EPA-821-R-02-012), Static Renewal	Daphnid (C. dubia)	
WW	113.023	005C	EPA 2002 (EPA-821-R-02-012), Continuous Flow	Daphnid (C. dubia)	
WW	113.024	006A	EPA 2021 (EPA-821-R-02-012), Static	Daphnia spp.	
WW	113.024	006B	EPA 2021 (EPA-821-R-02-012), Static Renewal	Daphnia spp.	
WW	113.024	006C	EPA 2021 (EPA-821-R-02-012), Continuous Flow	Daphnia spp.	
WW	113.025	009A	EPA 2006 (EPA-821-R-02-012), Static	Silverside (Menidia spp.)	
WW	113.025	009B	EPA 2006 (EPA-821-R-02-012), Static Renewal	Silverside (Menidia spp.)	
WW	113.025	009C	EPA 2006 (EPA-821-R-02-012), Continuous Flow	Silverside (Menidia spp.)	
WW	113.026	011A	EPA 2004 (EPA-821-R-02-012), Static	Sheepshead minnow (C. variegatus)	
WW	113.026	011B	EPA 2004 (EPA-821-R-02-012), Static Renewal	Sheepshead minnow (C. variegatus)	
WW	113.026	011C	EPA 2004 (EPA-821-R-02-012), Continuous Flow	Sheepshead minnow (C. variegatus)	
WW	113.027	012A	EPA 2007 (EPA-821-R-02-012), Static	Mysid (M. bahia)	
WW	113.027	012B	EPA 2007 (EPA-821-R-02-012), Static Renewal	Mysid (M. bahia)	
WW	113.027	012C	EPA 2007 (EPA-821-R-02-012), Continuous Flow	Mysid (M. bahia)	
WW	113.028	008A	EPA-821-R-02-012, Static	Topsmelt (A. affinis)	
WW	113.028	008B	EPA-821-R-02-012, Static Renewal	Topsmelt (A. affinis)	
WW	113.028	008C	EPA-821-R-02-012, Continuous Flow	Topsmelt (A. affinis)	
WW	113.028	010A	EPA-821-R-02-012, Static	Sanddab (C. sitigmaeus)	
WW	113.028	010B	EPA-821-R-02-012, Static Renewal	Sanddab (C. sitigmaeus)	
WW	113.028	010C	EPA-821-R-02-012, Continuous Flow	Sanddab (C. sitigmaeus)	
WW	113.028	016A	EPA-821-R-02-012, Static	Pacific mysid (H. costata)	
WW	113.028	016B	EPA-821-R-02-012, Static Renewal	Pacific mysid (H. costata)	
WW	113.028	016C	EPA-821-R-02-012, Continuous Flow	Pacific mysid (H. costata)	
WW	113.029	001A	EPA-821-R-02-012, Static	Hyalella spp.	
WW	113.029	001B	EPA-821-R-02-012, Static Renewal	Hyalella spp.	
WW	113.029	001C	EPA-821-R-02-012, Continuous Flow	Hyalella spp.	
WW	113.040	001	EPA 1000 (EPA/600/4-91/002)	Fathead Minnow (P. promelas)	
WW	113.041	001	EPA 1000 (EPA-821-R-02-013)	Fathead Minnow (P. promelas)	
WW	113.050	005	EPA 1002 (EPA/600/4-91/002)	Daphnid (C. dubia)	
WW	113.051	005	EPA 1002 (EPA-821-R-02-013)	Daphnid (C. dubia)	
WW	113.060	020	EPA 1003 (EPA/600/4-91/002)	Green algae (S. capricornutum)	
WW	113.061	020	EPA 1003 (EPA-821-R-02-013)	Green algae (S. capricornutum)	
WW	113.071	020	ASTM E1218-04	Green algae (S. capricornutum)	
WW	113.075	011	EPA 1004 (EPA/600/4-91/003)	Sheepshead minnow (C. variegatus)	

AQUATIC TOXICITY BIOASSAY
Proposed Field of Accreditation #1180

Program	Subgroup Code	Analyte Code	Method	Analyte	Technology
WW	113.076	011	EPA 1004 (EPA-821-R-02-014)	Sheepshead minnow (C. variegatus)	
WW	113.080	009	EPA 1006 (EPA/600/4-91/003)	Silverside (Menidia spp.)	
WW	113.081	009	EPA 1006 (EPA-821-R-02-014)	Silverside (Menidia spp.)	
WW	113.090	012	EPA 1007 (EPA/600/4-91/003)	Mysid (M. bahia)	
WW	113.091	012	EPA 1007 (EPA-821-R-02-014)	Mysid (M. bahia)	
WW	113.100	013	EPA 1008 (EPA/600/4-91/003)	Sea Urchin (A. punctulata)	
WW	113.101	013	EPA 1008 (EPA-821-R-02-014)	Sea Urchin (A. punctulata)	
WW	113.120	008	EPA 600/R-95/136	Topsmelt (A. affinis)	
WW	113.120	014	EPA 600/R-95/136	Pacific oyster (C. gigas)	
WW	113.120	016	EPA 600/R-95/136	Pacific mysid (H. costata)	
WW	113.120	019	EPA 600/R-95/136	Mussels (Mytilus spp.)	
WW	113.120	022	EPA 600/R-95/136	Giant kelp (M. pyrifera)	
WW	113.120	023	EPA 600/R-95/136	Red abalone (H. rufescens)	
WW	113.120	015D	EPA 600/R-95/136, Fertilization Test	Sand dollar (D. excentricus)	
WW	113.120	015E	EPA 600/R-95/136, Development Test	Sand dollar (D. excentricus)	
WW	113.120	017D	EPA 600/R-95/136, Fertilization Test	Purple sea urchin (S. purpuratus)	
WW	113.120	017E	EPA 600/R-95/136, Development Test	Purple sea urchin (S. purpuratus)	
WW	113.141	024	ASTM E1218-04	Green algae (S. costatum)	
WW	113.141	025	ASTM E1218-04	Diatom (T. pseudonana)	
WW	113.160	026	EPA 600/R-99/064, EPA 100.1	Amphipod (H. azteca)	
WW	113.170	027	EPA 600/R-99/064, EPA 100.2	Midge (C. tentans)	
WW	113.180	028	EPA 600/R-99/064, EPA 100.3	Oligochaete (L. variegatus)	
WW	113.190	026	EPA 600/R-99/064, EPA 100.4	Amphipod (H. azteca)	
WW	113.200	027	EPA 600/R-99/064, EPA 100.5	Midge (C. tentans)	
WW	113.210	029	EPA 600/R-94/025, EPA 100.4	Amphipod (A. abdita)	
WW	113.210	030	EPA 600/R-94/025, EPA 100.4	Amphipod (E. estuarius)	
WW	113.210	031	EPA 600/R-94/025, EPA 100.4	Amphipod (L. plumulosus)	
WW	113.210	032	EPA 600/R-94/025, EPA 100.4	Amphipod (R. abronius)	

MICROBIOLOGY (SPECIALTY)
Proposed Field of Accreditation #1190

DRAFT

Program	Subgroup Code	Analyte Code	Method	Analyte	Technology
Drinking Water					
DW	129.010	001	EPA 1622	Cryptosporidium	Filtration/IMS/FA
DW	129.020	001	EPA 1623	Cryptosporidium and Giardia	Filtration/IMS/FA
DW	129.030	001	EPA 1623.1	Cryptosporidium and Giardia	Filtration/IMS/FA

SAMPLE PREP TECHNIQUES
Proposed Field of Accreditation #1200

DRAFT

Program	Subgroup Code	Analyte	Method	Analyte	Technology
Hazardous Waste					
HW	115.010	001	EPA 1310A	Extraction Procedure Toxicity (EPTox)	
HW	115.020	001	EPA 1311	Toxicity Characteristic Leaching Procedure (TCLP)	
HW	115.021	001	EPA 1311	TCLP Inorganics	
HW	115.022	001	EPA 1311	TCLP Extractables	
HW	115.023	001	EPA 1311	TCLP Volatiles	
HW	115.030	001	CCR Chapter11, Article 5, Appendix II	Waste Extraction Test (WET)	
HW	115.040	001	EPA 1312	Synthetic Precipitation Leaching Procedure (SPLP)	

MICROBIOLOGY (SHELLFISH) **DRAFT**

Proposed Field of Accreditation #1210

Program	Subgroup Code	Analyte Code	Method	Analyte	Technology
Shellfish					
Shellfish	127.010	001	APHA	Shellfish Meat Total/Fecal Coliforms	MPN
Shellfish	127.010	002	APHA	Shellfish Meat Plate Counts	SPC
Shellfish	127.030	001	APHA	Shellfish Growing Waters Total/Fecal Coliforms	MPN
Shellfish	127.030	002	AOAC	Shellfish Growing Waters Fecal Coliforms	A-1
Shellfish	127.040	001	WPCF	Shellfish Growing Waters Fecal Coliforms	mTEC

PESTICIDE RESIDUE
Proposed Field of Accreditation #1220

DRAFT

Program	Subgroup Code	Analyte Code	Method	Analyte	Technology
Food Residue					
Food	124.01	001	MS	Pesticide Residues	
Food	124.02	001	MS	Halogenated Pesticide Residues	
Food	124.03	001	MS	Organophosphorus Pesticide Residues	
Food	125.01	001	non-MS	Pesticide Residues	
Food	125.02	001	non-MS	Halogenated Pesticide Residues	
Food	125.03	001	non-MS	Organophosphorus Pesticide Residues	
Food	125.04	001	non-MS	N-methyl Carbamate Pesticide Residues	

LUNCH – Back at 1pm

FEES STAKEHOLDER WORKGROUP UPDATE

David Ceccarelli, State Water Board, Division of Administrative Services

Developing a New Fee Structure

- The current fee structure is raising sufficient revenue to meet ELAP's budgetary authority
  - But we've heard the community's requests for a new structure
- The Division of Administrative Services Fee Branch formed a Stakeholder Fees Workgroup to develop proposals for a new structure
  - Members are listed on ELAP's website
- The workgroup has had three meetings so far
  - May 30, 2017 – Welcome and goal setting
  - June 29, 2017 – Presentation of preliminary proposals
  - November 9, 2017 – Evaluation of revised proposals

Where We Are Now

- 7 fee options were presented at the November 9th stakeholder meeting

- Summary of the proposed structures
  - All included a base fee
  - 3 were built around a per method structure
  - 2 were built around a UOA-by-difficulty structure
  - 1 was built around types of technologies used
  - 1 was built around a per FOT structure
  - 2 options included assessment charges or a discount for use of third party assessors
  - General consensus is to have a higher out-of-state laboratory base fee

- Stakeholders are now fine-tuning options based on feedback from the meeting

What’s Next

- Another workgroup meeting will be held to identify 3 or 4 options to be presented at a State Board Public Workshop
- We anticipate the State Board Public Workshop taking place in early 2018
- Board Meeting for adoption - tentatively April 2018

INFORMATIONAL ITEM: LABORATORY INTERCALIBRATION EXERCISES

Dr. Stephen Weisberg, Southern California Coastal Water Research Project

INFORMATIONAL ITEM: TRANSITION TO SDWIS-PRIME

Paul Williams, Division of Drinking Water

TRANSITION TO SDWIS-PRIME

(State Drinking Water Information System)

ELTAC Update

December 2017

Current data process

EPA created SDWIS (Safe Drinking Water Information System) for states to maintain the following information for the public water systems they regulate:

- Inventory (system name, population served, contacts, etc.)
- Violations and enforcement actions, and
- Water quality data and schedules

California has not fully implemented all of the tools in SDWIS. We currently use SDWIS for inventory and violation/enforcement action records. We are beginning to implement water quality data reporting features.

Current data process

Currently, there are three ways in which laboratories transmit water quality data to DDW:

1. Water Quality Management (WQM) Portal

- WQM – through LIMS or Write-On, labs transmit data using the Electronic Deliverable Format (EDF) Version 1.2i Data Dictionary
- Data from WQM goes to the WQIr program for field office staff to query data and set monitoring schedules

Current data process

2. Lab-to-State (LTS) Portal

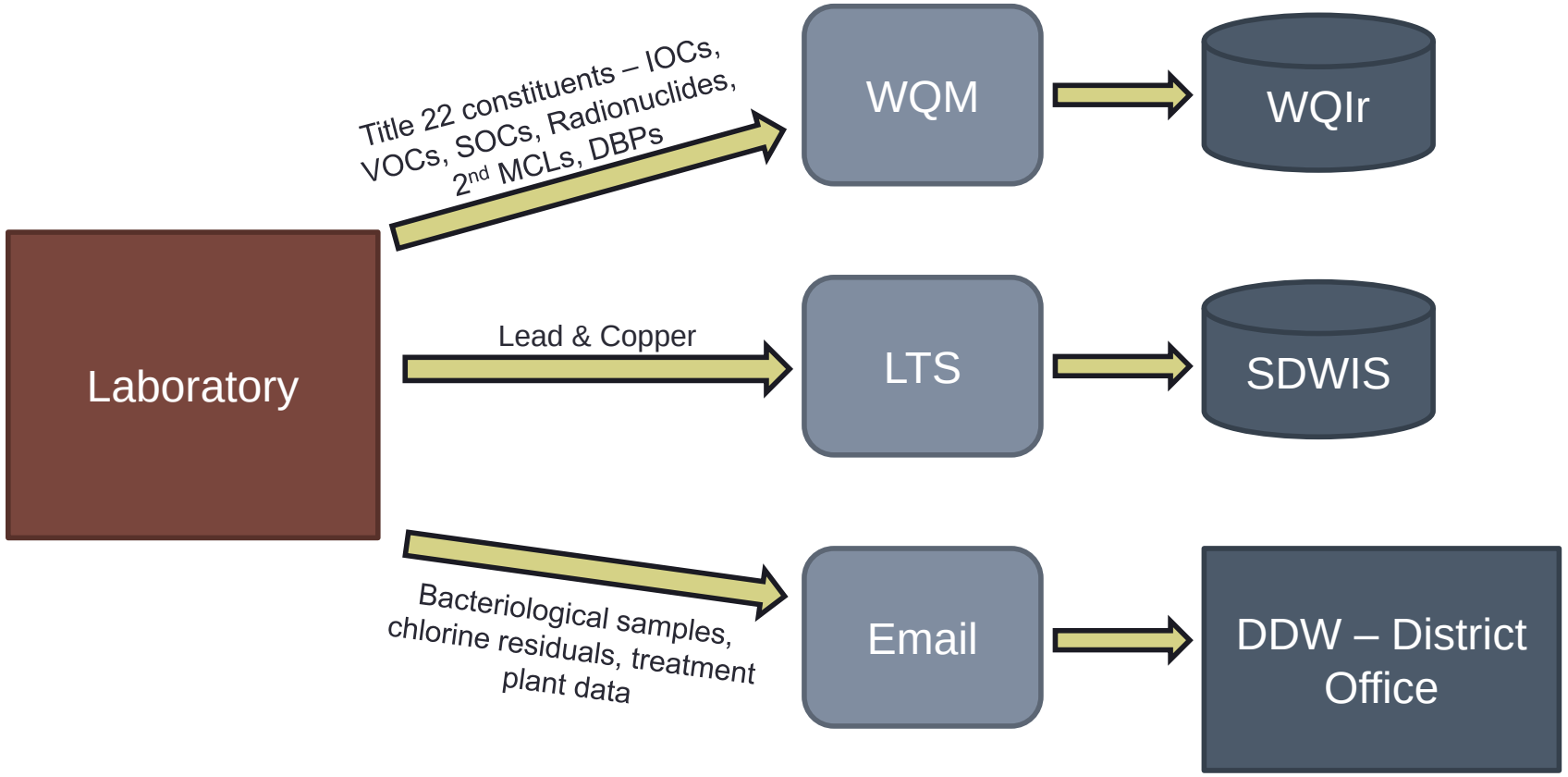
- LTS is connected to SDWIS – through csv files, labs provide data using the electronic Drinking Water Reports (eDWR) v3.0 schema
- Data from LTS Portal goes <u>indirectly</u> to SDWIS.
- LTS was rolled-out during the summer and at this time, it is only being used for Lead & Copper data transmittals.
- There are currently 29 labs registered/using LTS. Out of 1331 water systems that conducted Lead & Copper monitoring this summer, 486 water systems (~40%) used laboratories that submitted data via LTS.

Current data process

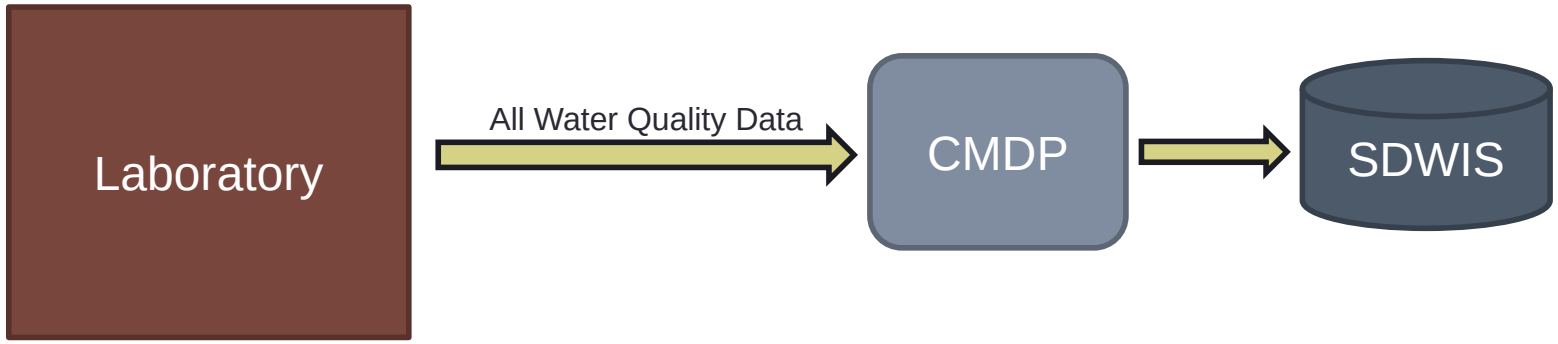
3. Email or snail-mail

- Currently, all bacteriological samples, water distribution system data (e.g., chlorine residuals), and certain treatment plant data are provided either by email or snail-mail.

Current data process



Future data process



Future data process

It is planned to role out the Compliance Monitoring Data Portal (CMDP) in one to two years. This portal is a recently developed EPA tool for laboratories to transmit data directly to SDWIS, and in the near future, SDWIS Prime.

CMDP

- Cross-Media Electronic Reporting Rule (CROMERR) Compliant
- Pulls laboratory inventory directly from SDWIS
- Allows labs and water systems to request updates to their own profiles
- Up-to-date profiles allow CMDP to properly validate samples at the time of data submittal
- Uses proprietary XML schema, does not support eDWR XML schema

Future data process

CMDP

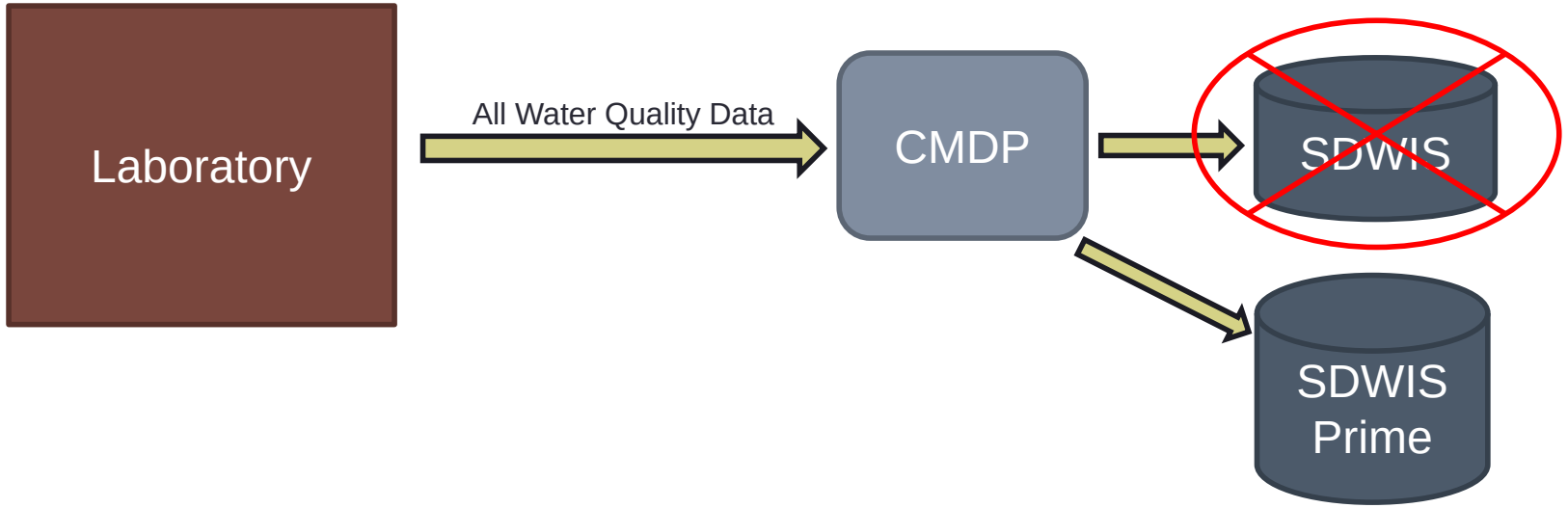
- Electronic Reporting Methods
  - Web Services – connecting submitter data management systems to CMDP, one-way services
  - Upload XML files generated by CMDP excel templates
  - Direct data entry using webforms
- Data Validations
  - Built into SDWIS and SDWIS Prime
  - Valid Lab ID – lab name and administrative contact
  - Standard Method names and codes
  - Analyte method pairing
  - Lab – Analyte method association
  - Dates of certification
  - State-specific validations

Future data process

It is planned to role out SDWIS Prime in two years.

SDWIS Prime

- EPA's recent overhaul of SDWIS, expected to be rolled-out in mid-2018.
- Cloud based architecture supported by EPA



Questions?

Betsy Lichti
Quality Assurance Section Chief
betsy.lichti@waterboards.ca.gov

Paul Williams
SDWIS Unit Manager
paul.williams@waterboards.ca.gov

INFORMATIONAL ITEM: PERCHOLORATE WORKGROUP

Dr. Eric Miguelino, Division of Drinking Water

Proposed Framework for State Agency Requests to ELAP for New Analytical Methods and Lowered Reporting Limits

State agencies in California occasionally require new analytical methods, the analysis of new compounds under existing methods, or lowered reporting limits for promulgated methods, to achieve their regulatory goals. When new regulations are released that requires either new analytical methods or lower reporting limits, the regulated community must have access to certified laboratories that are capable of performing the methods to achieve regulatory compliance. As there have been occasions when new regulations have been adopted that required lower reporting limits prior to the capabilities being developed by California certified labs, the goal of this document is to provide a framework for State agencies to submit requests for new methods/lower reporting limits to the Environmental Laboratory Accreditation Program (ELAP), which regulates laboratory accreditation in California.

ELAP attends various meetings to coordinate with the State Water Board's Division of Drinking Water (DDW) on regulatory issues. On a weekly and monthly basis, ELAP management attends DDW Executive management meetings, which helps to ensure efficient, consistent, and effective implementation of DDW requirements and directions from upper management. The meetings include the DDW Deputy Director (DD) and Assistant DDs, program managers, Regional, and Branch Engineers. Additionally, ELAP resides under the Program Management Branch of DDW, which includes ELAP and the Technical Operations Section. The Regulations Unit resides within the Technical Operations Section that develop MCLs. Program Management Branch meetings are scheduled quarterly for additional coordination.

In addition to ELAP's engagements within the State Water Board, there are other opportunities for agency collaboration. Within the State and Regional Water Boards, a Roundtable is the coordinating body for a specific program (e.g., Surface Water Ambient Monitoring Program – SWAMP) within the State or Regional Water Board organization structure. It ensures efficient, consistent, and effective implementation of program requirements and directions from upper management. It consists of program managers and staff from each Water Board organization (Regional Water Board and State Water Board Division and/or Office) who have a direct role in the conduct and implementation of the program associated with the Roundtable.

Should DDW (either Executive Management meetings or Program Management Branch), State/Regional Water Board Roundtables, or other State agencies need lower analytical reporting limits or method development for new analytes, the following process should be followed:

1. submit their request in writing to Chief of ELAP.
2. the ELAP Chief will submit the request to the Environmental Laboratory Technical Advisory Committee (ELTAC), which was established to assist with technical matters that impact the laboratory community.
3. ELTAC will form a committee to evaluate the request, comprised of ELTAC members that have expertise in the analytical method.
4. should the ELTAC committee determine that the request should be achievable by CA certified laboratories, they will request that ELAP provide them with a list of

laboratories that are certified for the method (in the case of lower reporting limits) or for similar methods (in the case of methods for new analytes).

5. the ELTAC committee will draft a letter, to be approved by the ELTAC, that will be submitted to the labs identified by ELAP. The letter is to identify the problem, summarize the justification from the State agency, request a determination of current capabilities, request a timeline for the development of capabilities if they do not exist, and establish a timeline for a return response.
6. The ELTAC committee will review the responses from the labs and prepare a summary of the responses.
7. Should the labs be capable of achieving the State agency needs, then the summary of capabilities will be submitted to the ELAP Chief for distribution to the State agency.
    a. Labs that are capable of achieving the State agency needs are to obtain accreditation for any new methods, which will require ELAP to add new methods to the appropriate FOTs.
8. Should the labs not have the current capabilities to achieving the State agency needs, then the summary identifying the current status along with a projected timeline for capabilities development will be submitted to the ELAP Chief for distribution to the State agency.

CLOSE – REVIEW ACTION ITEMS

Andy Eaton

ADJOURN