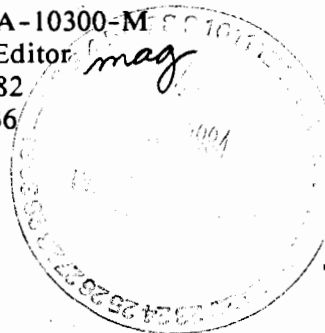


General

**Los Alamos**  
NATIONAL LABORATORY  
**memorandum**

To/MS: Holders of LA-10300-M  
From/MS: M. Gautier, Editor  
Phone/FAX: 7-6235/5-5982  
Symbol: CST-9/94-036  
Date: April 1993



**SUBJECT: NOVEMBER 1993 UPDATES AND ADDITIONS**

The Environmental Chemistry group (CST-9) of Los Alamos National Laboratory is continuing the publication of its analytical procedures. Enclosed in this packet you will find the following items:

- cover memo
- update instructions
- Document Acknowledgment Sheet
- tabbed divider and cover sheet for new section
- shrink-wrapped updates and additions

Please incorporate the updates into your manual by following the update instructions. Then, on the Document Acknowledgement Sheet, fill in the date of receipt, any address changes or corrections to be made, and a telephone number where you can be reached during working hours. Return the sheet to CST-9. This will help us keep our mailing list current and ensure that you will receive all future updates.

If you have any questions regarding the procedures or update instructions, or if I may be of any further assistance, please feel free to contact me.

Enclosure: a/s

PG/lis  
(wp51/peg/rev6.mem)



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## UPDATE INSTRUCTIONS LA-10300-M, REVISION 6 (November 1993)

### Volume I:

- (1) Replace the existing title page (rev. July 1993) with the new one (rev. November 1993).

#### General Information

- (2) Replace the table of contents (pages GI-1 through GI-20) with the revised version.
- (3) Replace "Introduction" (pages GI-21 through GI-24) and "Document Control and Document Change" (pages GI-25 through GI-29) with revised versions.

#### Radiobioassay Chemistry

- (4) Replace the table of contents (pages R-1 and R-2) with the revised version.
- (5) Replace procedure R170 with the revised version.
- (6) Insert procedure R200 following R190.
- (7) Replace pages 1 and 2 only of R250 (this procedure has been retired).
- (8) Replace procedure R261 with the revised version.

#### Industrial Hygiene Chemistry

- (9) Replace the table of contents (pages IH-1 through IH-3) with the revised version.
- (10) Replace "Suggested Handling of Emergency Samples" (pages IH-11 through IH-16) with the revised version.
- (11) Replace procedure IH150 with the revised version.
- (12) Insert procedure IH185 following IH180.
- (13) Insert procedure IH211 following IH210.
- (14) Replace procedures IH260, IH270, IH274, IH275, and IH330 with the revised versions.

### Volume II:

- (15) Replace the existing title page (rev. July 1993) with the new one (rev. November 1993).

#### Environmental Chemistry

- (16) Replace the table of contents (pages E-1 through E-5) with the revised version.

#### Environmental Inorganic Chemistry

- (17) Discard procedure EI165, "Zinc in Water and Soil Extracts—Flame AA." No replacement. Current EI165 is wrong; should be "Mercury in Water—Cold Vapor AA." Correct procedure will be included in a later update.
- (18) Replace procedures EI100, EI120, EI135, EI150, EI185, EI200, and EI205 with the revised versions.
- (19) Replace pages 1 and 2 only of EI730 with the revised version (this procedure has been retired).

(Over)

### Environmental Radiochemistry

- (20) Replace procedure ER150 with the revised version.
- (21) Replace pages 1 and 2 only of procedures ER240, ER250, ER260, and ER270 with the revised versions (these procedures have been retired).

### **Volume III:**

- (22) Replace the existing title page (rev. July 1993) with the new one (rev. November 1993).

### Waste Water Chemistry

- (23) Replace the table of contents (pages WW-1 through WW-5) with the revised version.

### Waste Water Inorganic Chemistry

- (24) Replace pages 1 and 2 only of procedures WI110 and WI120 with the revised versions (these procedures have been retired).
- (25) Replace procedures WI400, WI410, WI450, WI470, and WI480 with the revised versions.
- (26) Insert procedures WI681, WI685, WI690, and WI691 following WI680.

### Waste Water Radiochemistry

- (27) Replace procedures WR100, WR110, WR120, WR140, WR150, WR180, WR190, and WR200 with revised versions.

### Count Room Procedures

- (28) Insert new orange-tabbed Count Room Procedures divider after WR200.
- (29) Insert new orange Count Room Procedures cover sheet after new divider.
- (30) Insert table of contents, preface, acknowledgements, and abstract after the new cover sheet.
- (31) Insert procedures CR100, CR110, CR130, CR140, CR160, CR180, CR240, CR370, CR390, CR400, CR410, and CR420 following the abstract (page CR-7).

### **Volume IV:**

- (32) Replace the existing title page (rev. July 1993) with the new one (rev. November 1993).

### Quality Control

- (33) Replace the table of contents (pages QC-1 through QC-4) with the revised version.

### Quality Control Organic Chemistry

- (34) Insert procedures QCO100, QCO110, and QCO120 following the beige-tabbed Organic Chemistry divider.
- (35) Insert procedures QCO140 and QCO150 following QCO130.
- (36) Replace QCO170 with the revised version.
- (37) Insert procedure QCO180 following QCO170.
- (38) Replace procedures QCO190 and QCO200 with the revised versions.
- (39) Insert procedure QCO225 following QCO220.

Quality Control Radiochemistry

(40) Insert procedures QCR153 and QCR155 following QCR150.

Quality Control Intercomparison Studies

(41) Insert procedures QCS100, QCS130, QCS140, QCS150, QCS180, QCS200, QCS210, QCS220, QCS230, and QCS240 after the beige-tabbed Intercomparison Studies divider.