

Appendix 4. Time-Series Graphs Showing Water-Quality Measurements

Time-series graphs showing the distribution and concentration of selected analytes measured for in water samples collected from wells in the Idaho National Laboratory water-quality aquifer monitoring network, 1989–2018. Water-quality data were classified by whether an observation was part of a *continuous record block* (Type-1 data), or not (Type-2 data). A continuous record block is believed to be suitable for analysis and is defined as the longest period in the time series with (1) at least 15 observations, (2) a 5-year maximum time span between consecutive observations, and (3) a record period that is at least 15 years in duration. Of the 20 selected constituents analyzed for in water samples collected from as many as 153 different sites, there are a total of 2,522 time series—with 968 of these time series (38 percent) composed entirely of Type-1 data; 1,531 (61 percent) composed entirely of Type-2 data, and 23 (1 percent) composed of both Type-1 and Type-2 data.

EXPLANATION

- Type-1 detection
- ! Type-1 nondetection
- Type-2 detection
- ! Type-2 nondetection
- | 95-percent confidence interval

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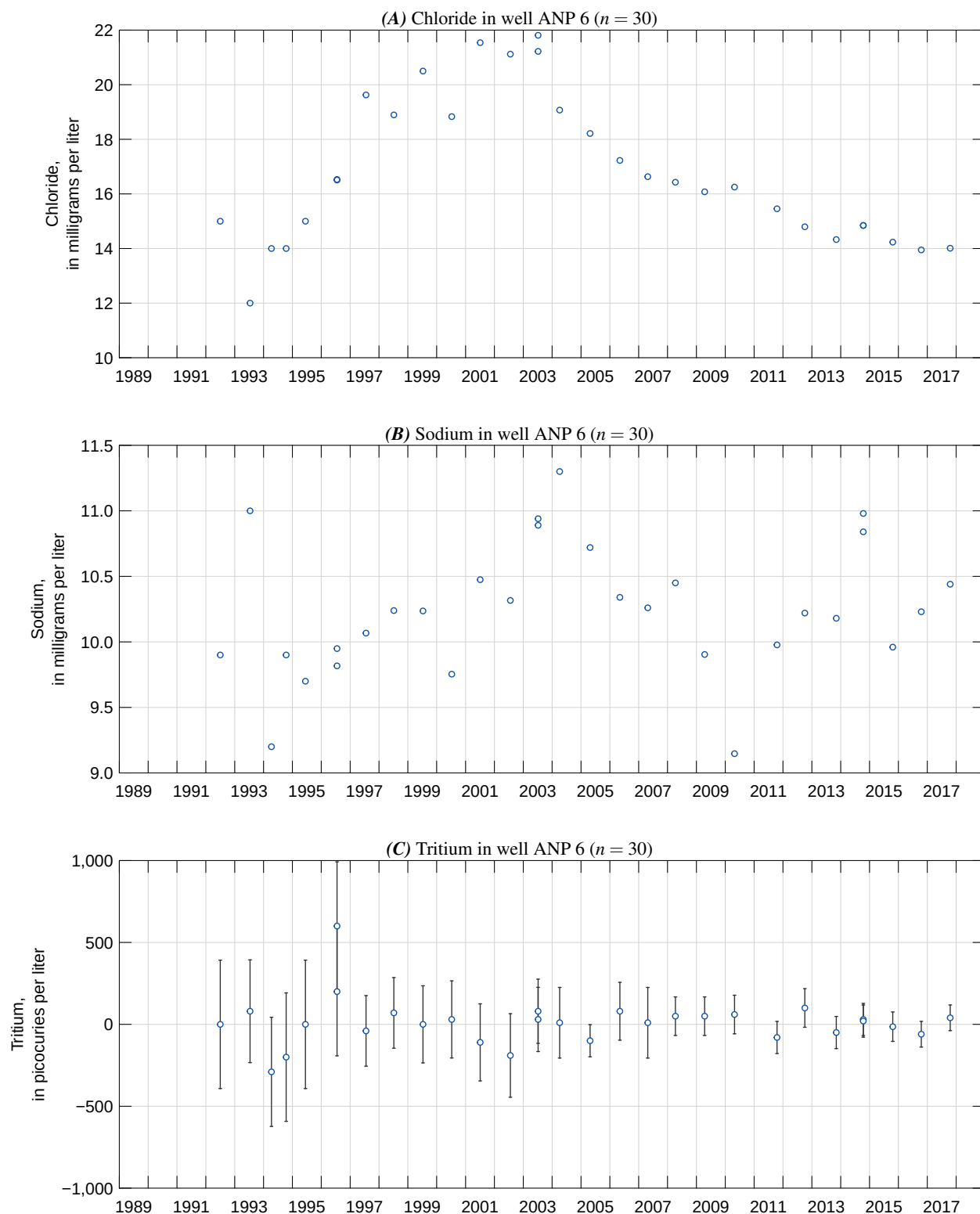


Figure 4.1. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) chromium, (H) carbon tetrachloride, (I) chloroform, (J) toluene, (K) tetrachloroethylene, (L) 1,1-dichloroethylene, (M) 1,1,1-trichloroethane, (N) cfc-12, (O) trichloroethylene, and (P) strontium-90 concentrations in water collected from well ANP 6 (Site No. 435152112443101), Idaho National Laboratory, Idaho, 1989–2018.

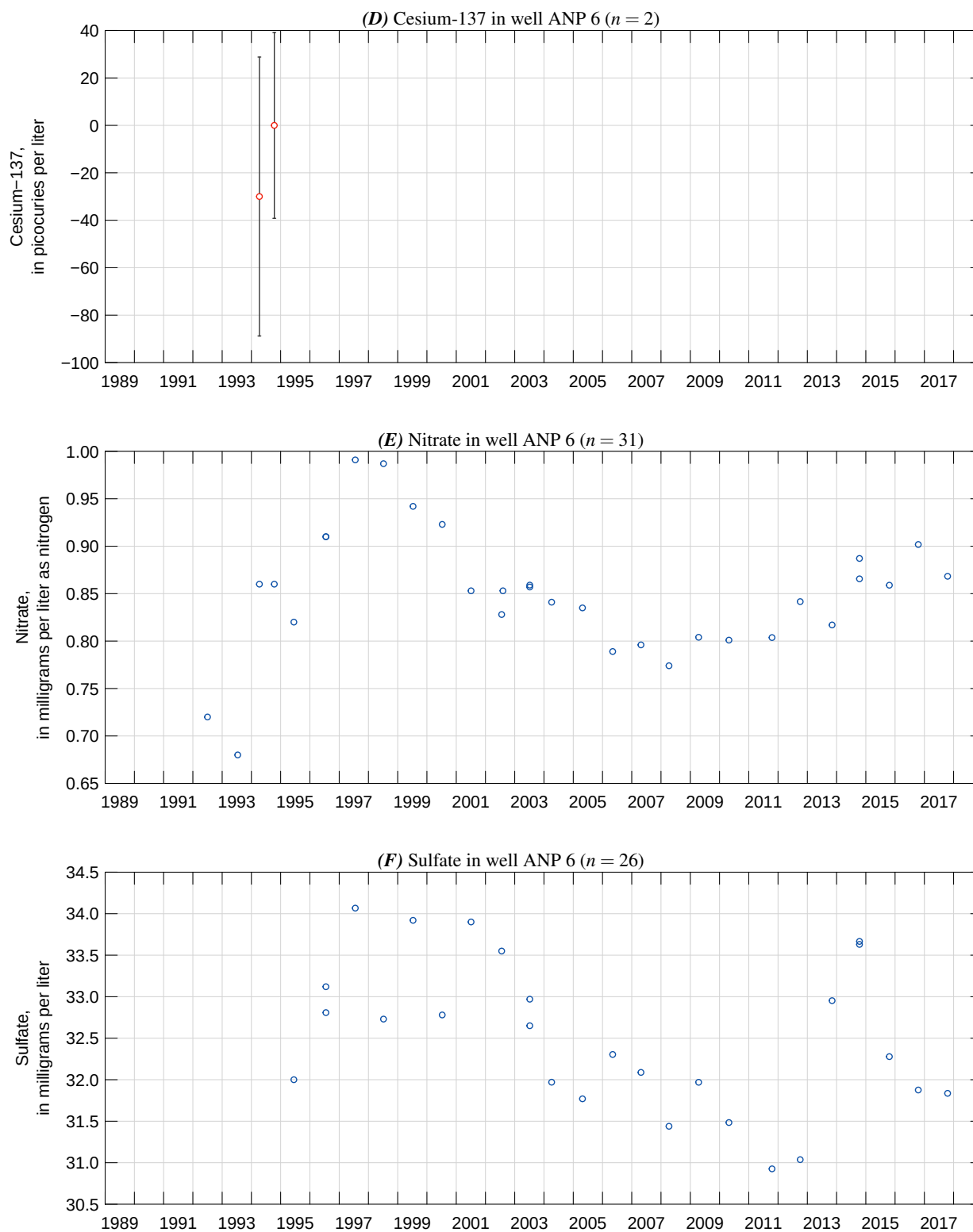


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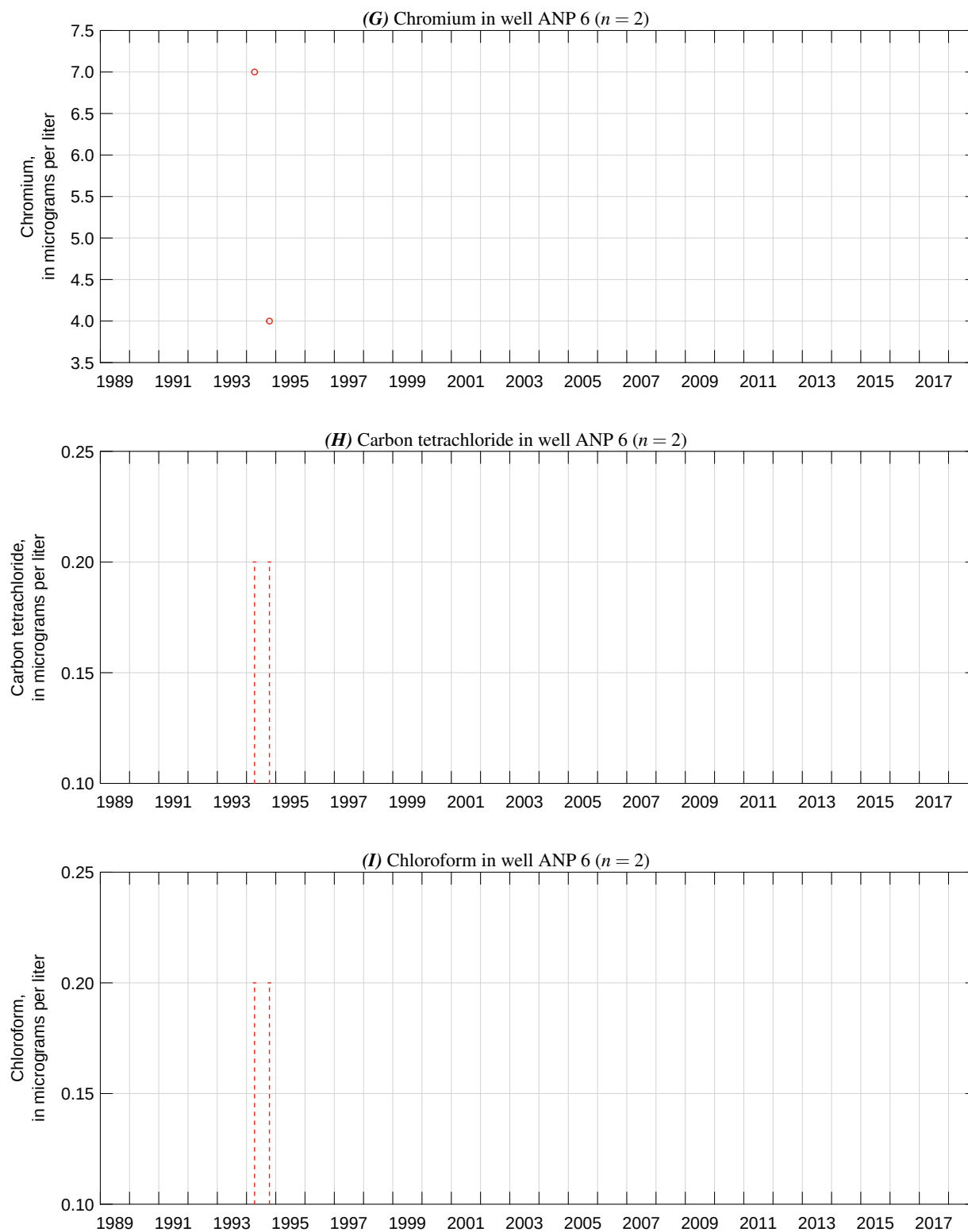


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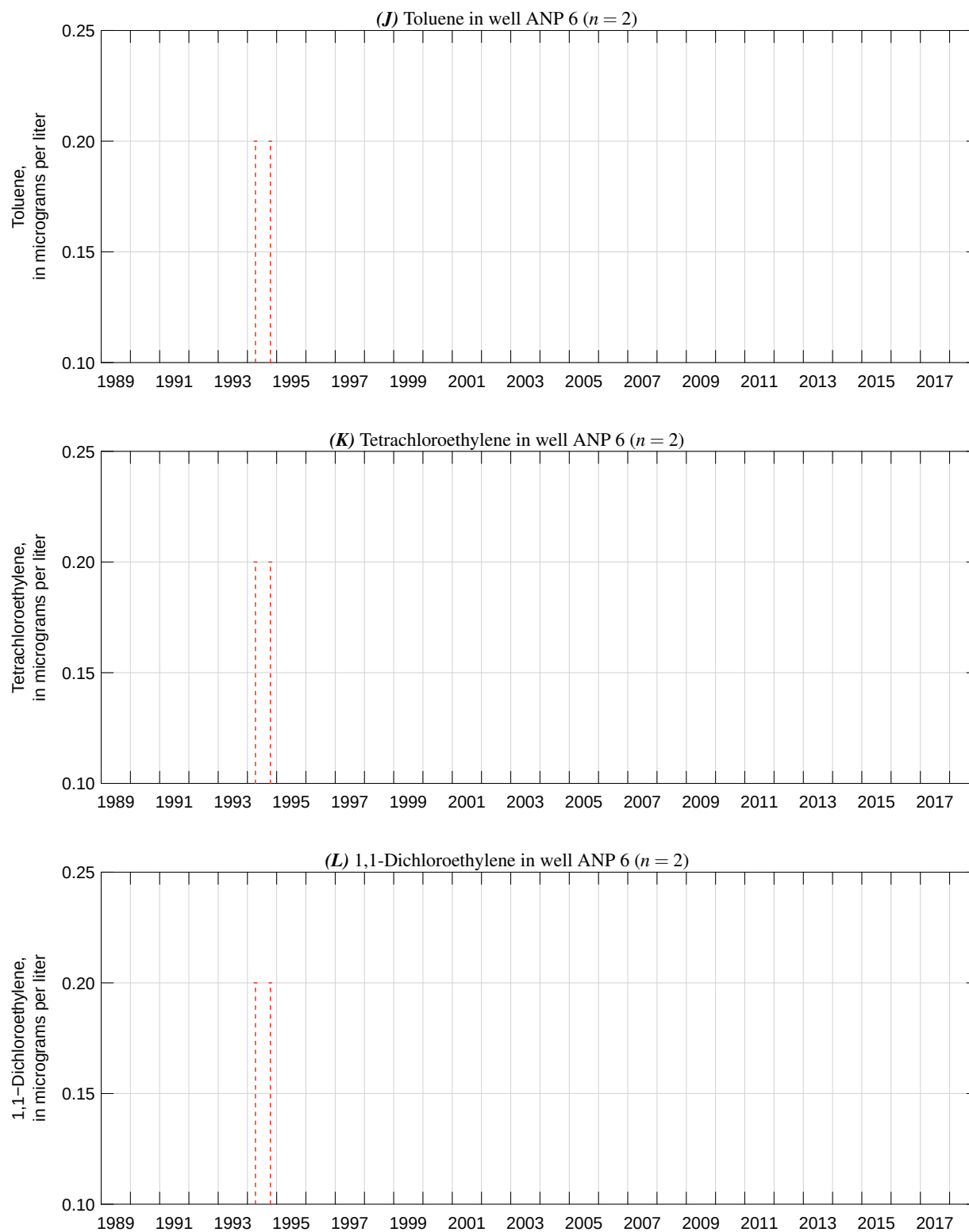


Figure 4.1. —Continued

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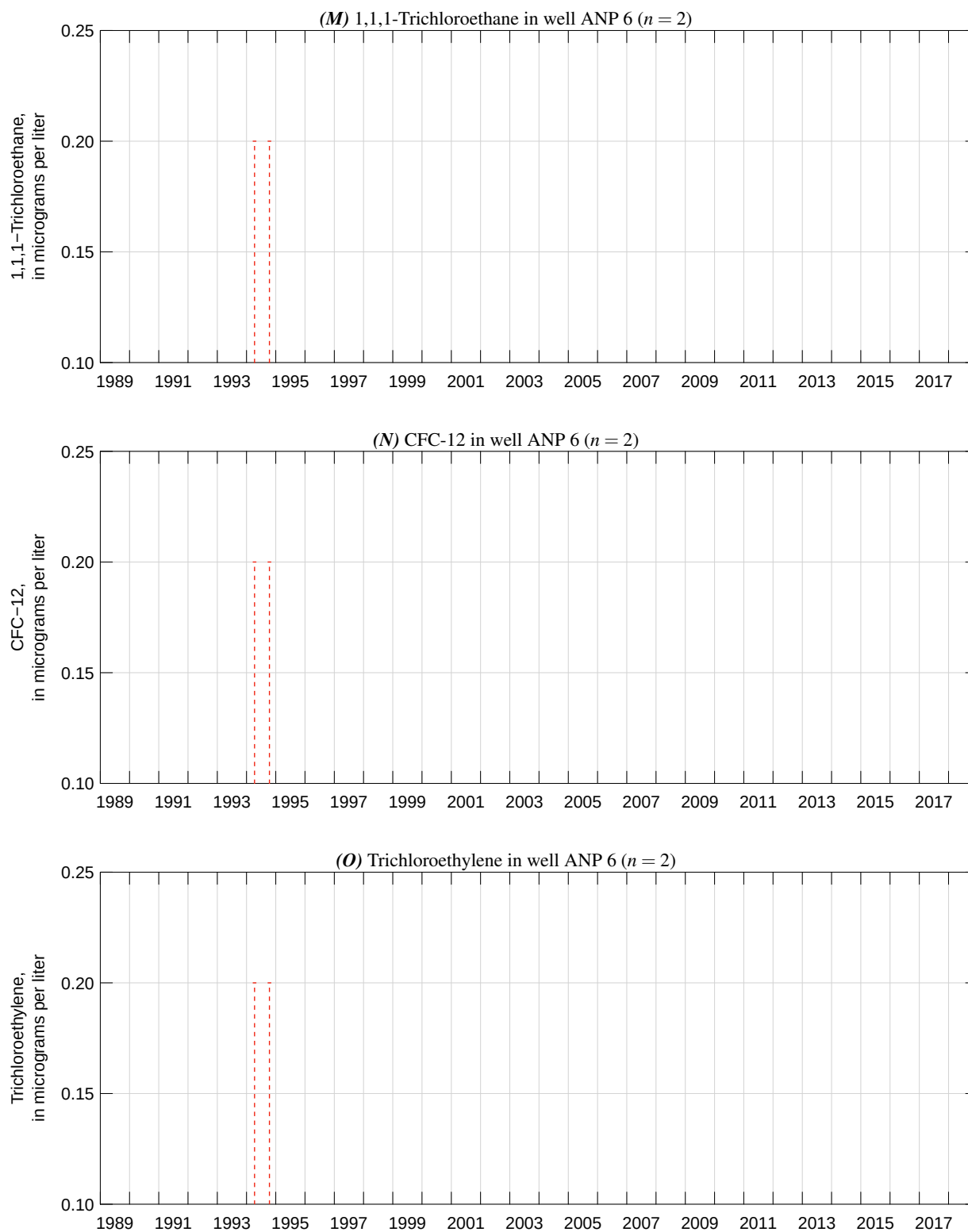
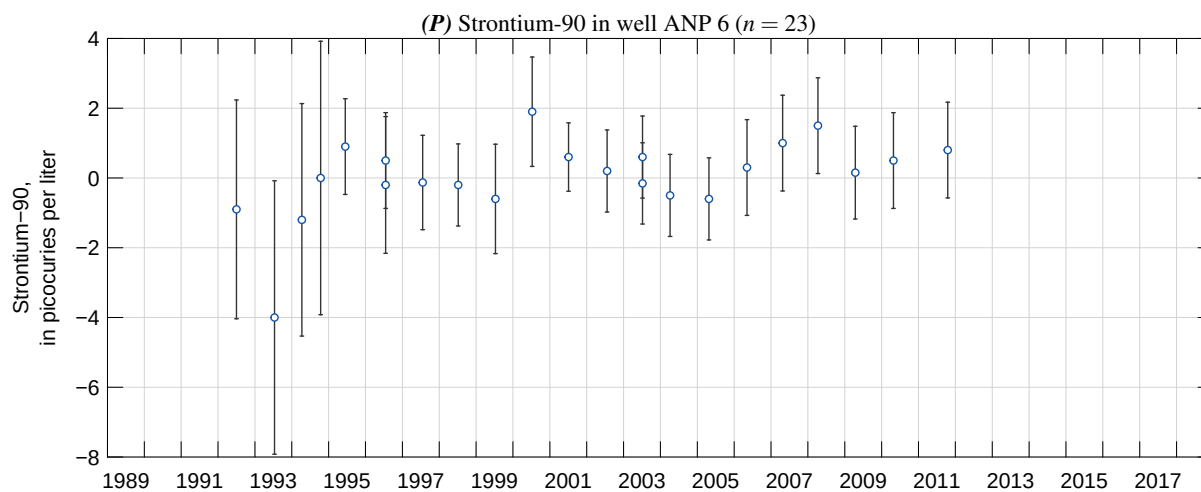


Figure 4.1. —Continued

**Figure 4.1.** —Continued

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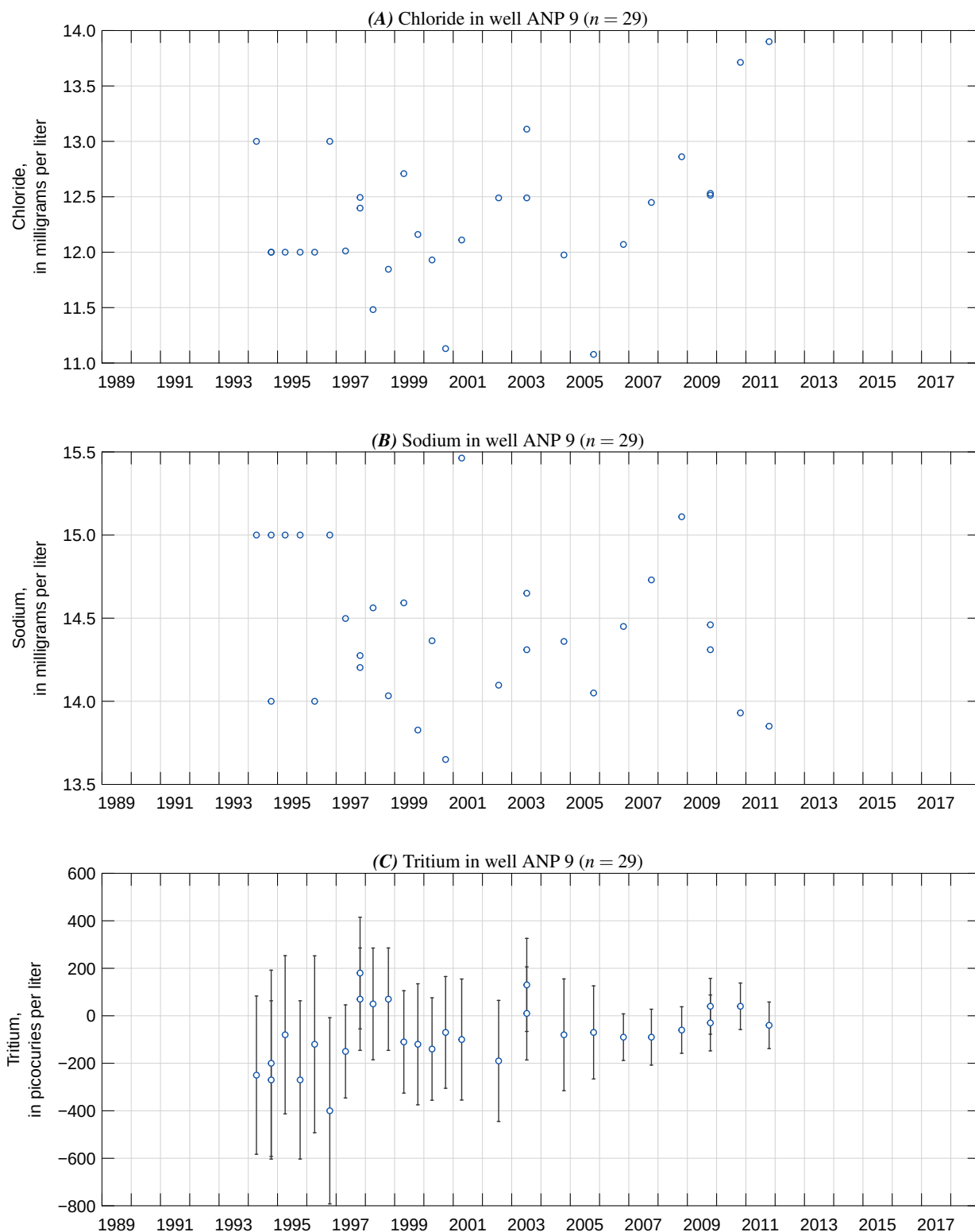


Figure 4.2. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) chromium, (G) carbon tetrachloride, (H) chloroform, (I) toluene, (J) tetrachloroethylene, (K) 1,1-dichloroethylene, (L) 1,1,1-trichloroethane, (M) cfc-12, (N) trichloroethylene, (O) strontium-90, (P) alpha particle, and (Q) beta particle concentrations in water collected from well ANP 9 (Site No. 434856112400001), Idaho National Laboratory, Idaho, 1989–2018.

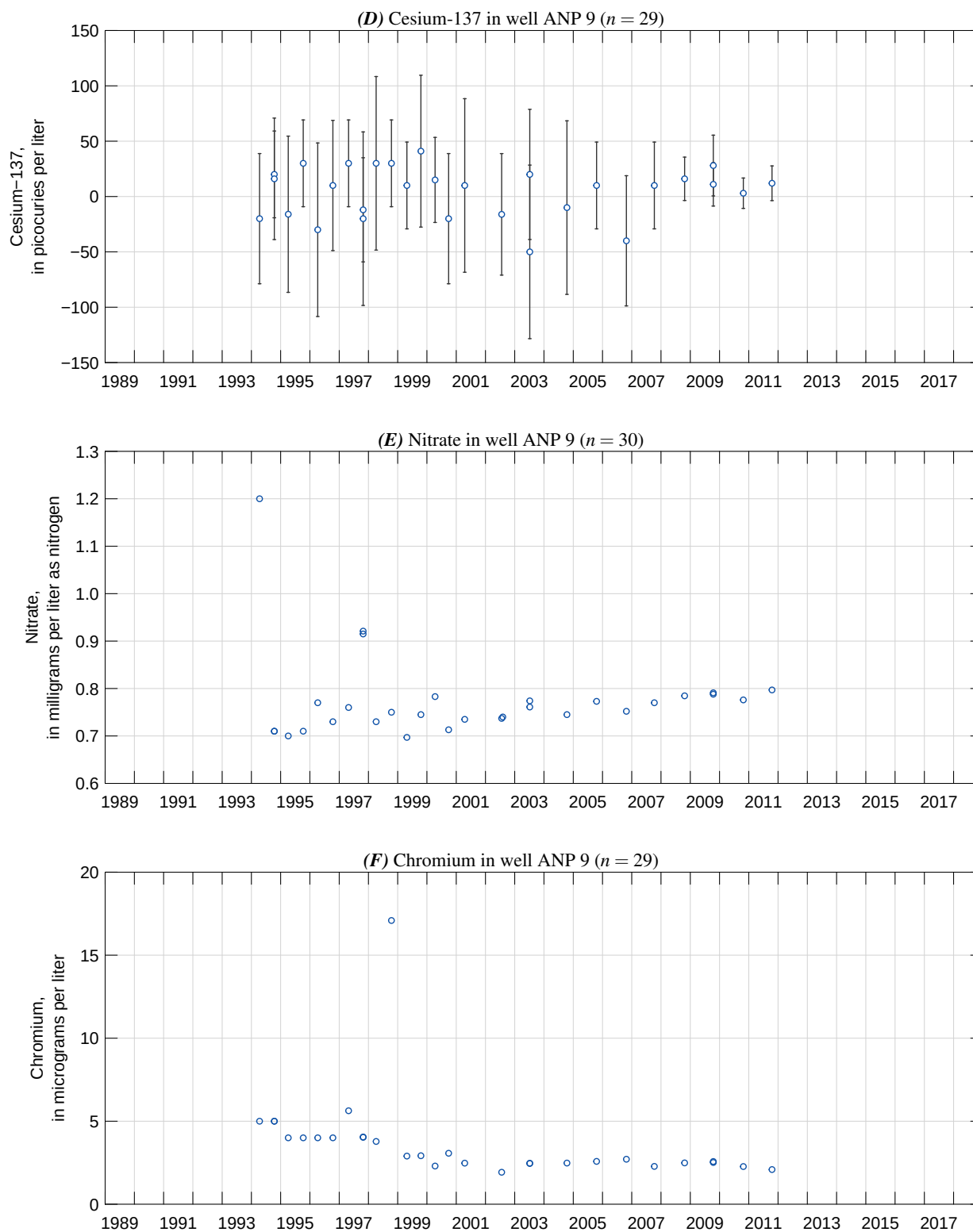
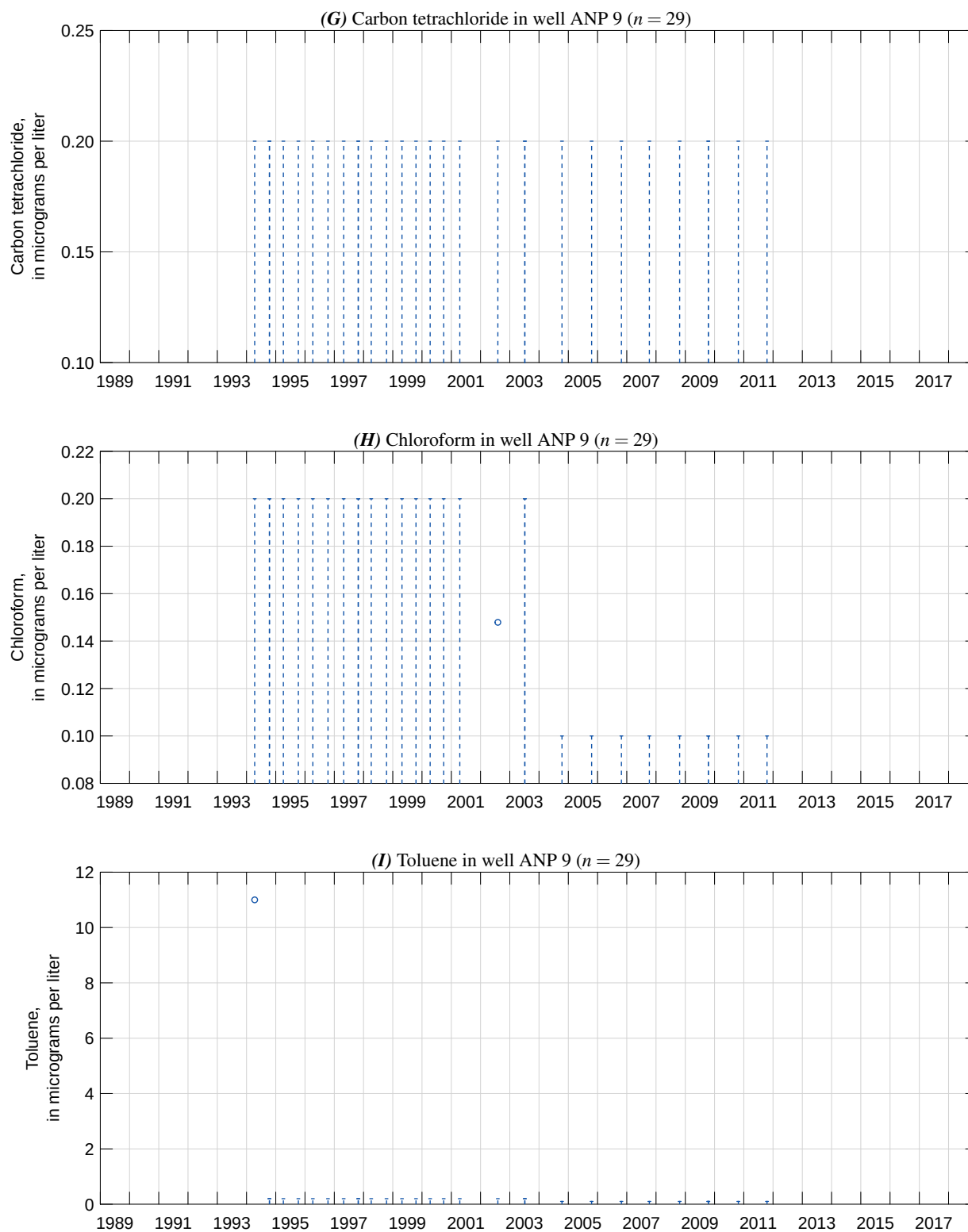


Figure 4.2. —Continued

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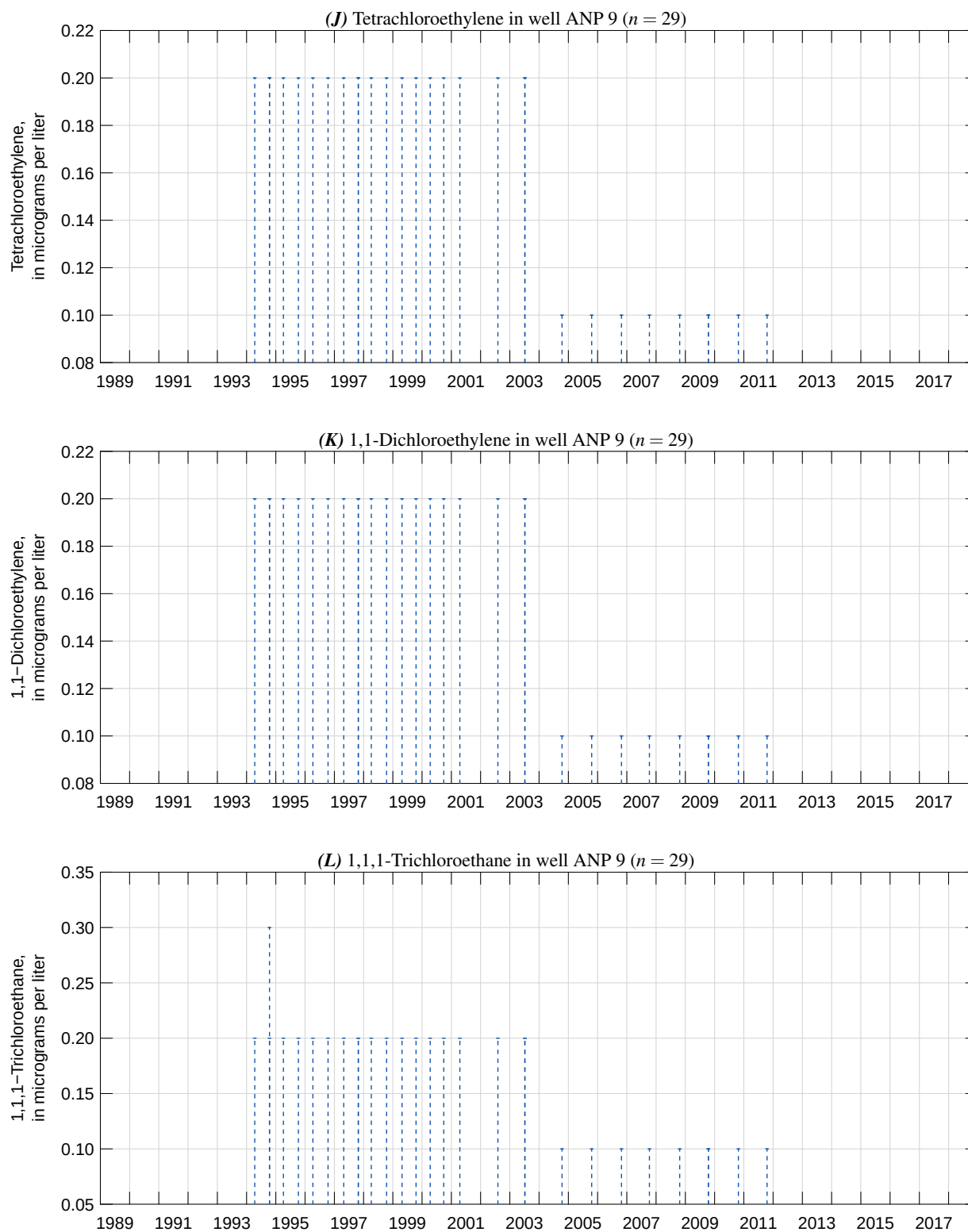


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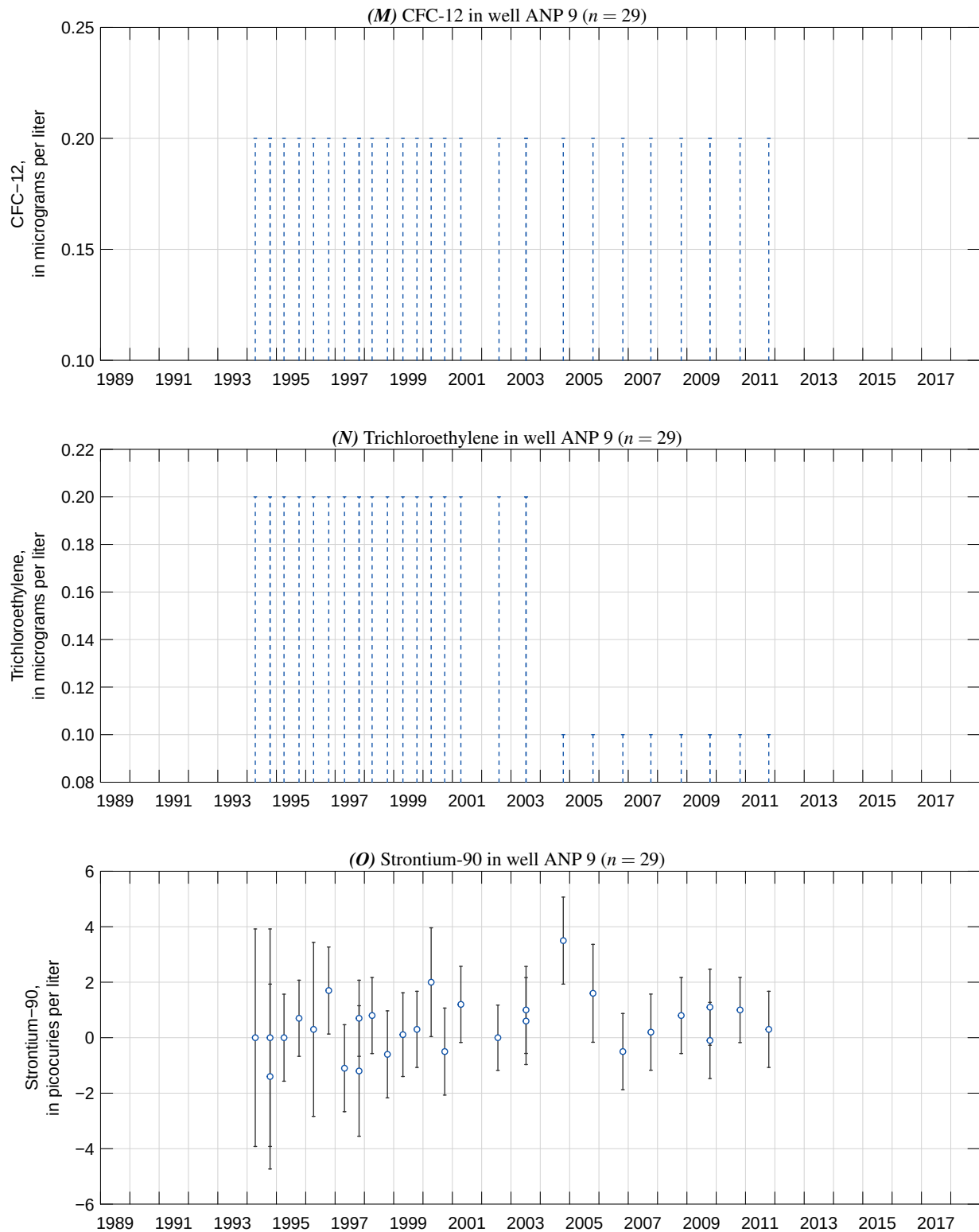


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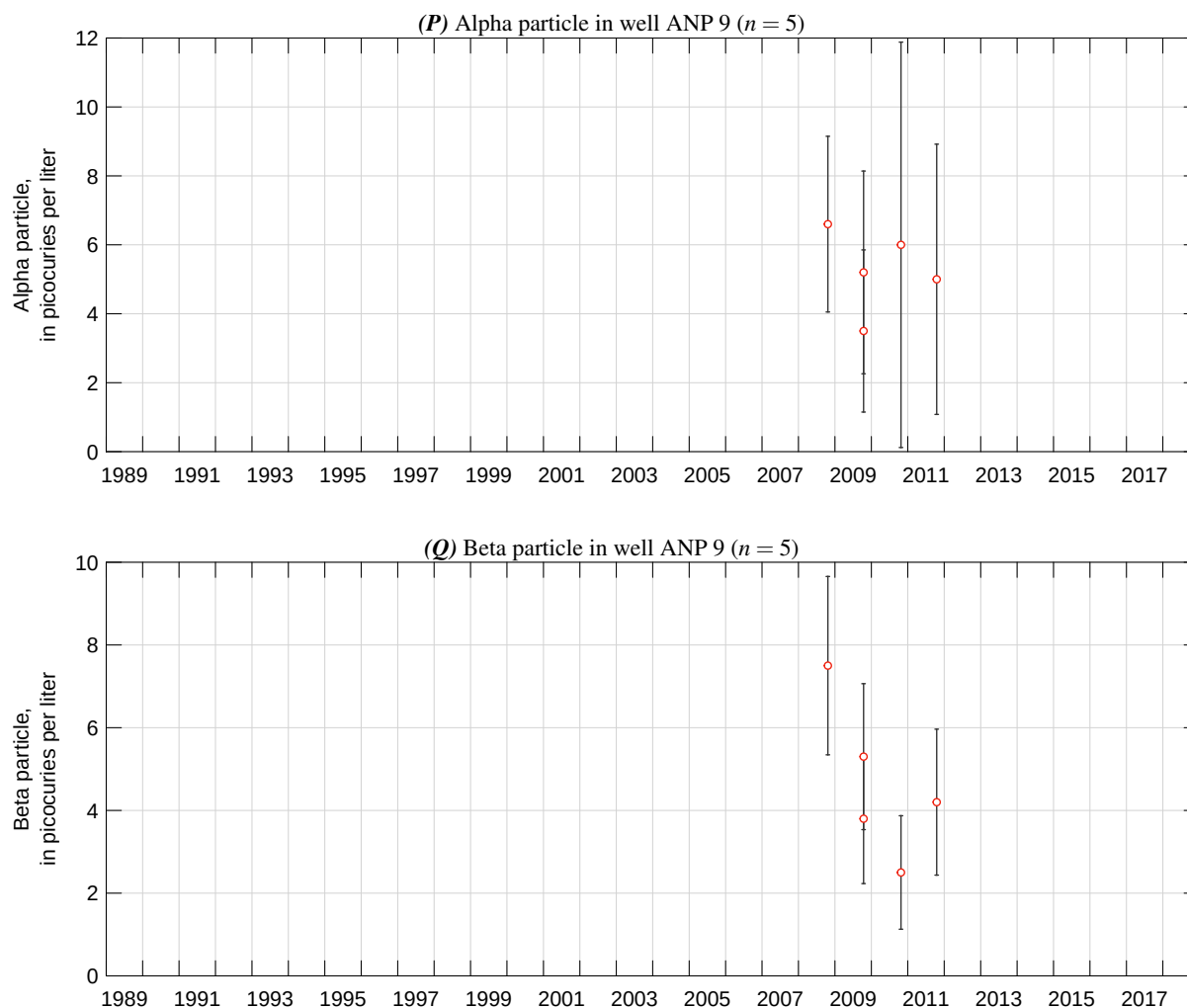


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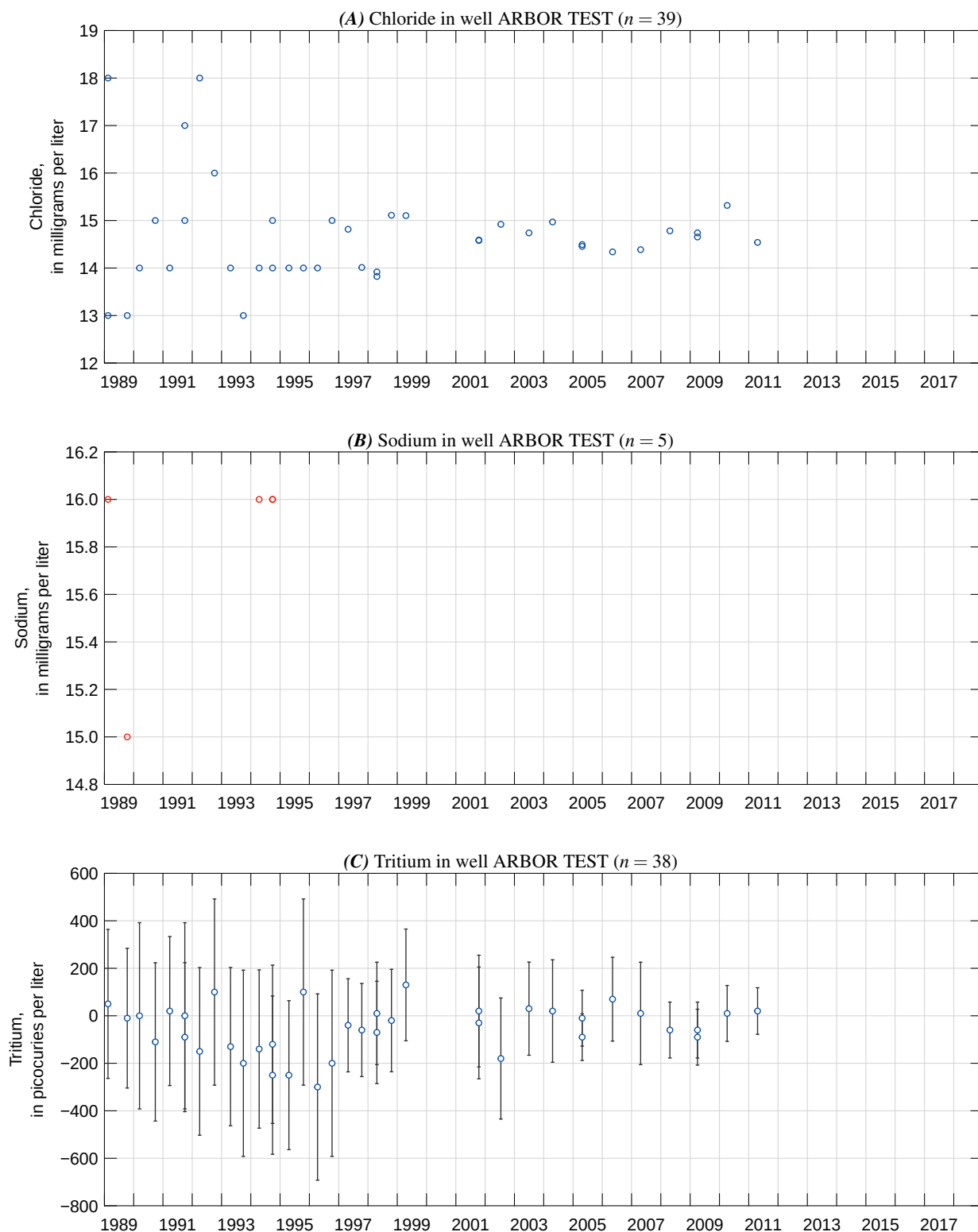


Figure 4.3. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, and (R) plutonium-238 concentrations in water collected from well ARBOR TEST (Site No. 433509112384801), Idaho National Laboratory, Idaho, 1989–2018.

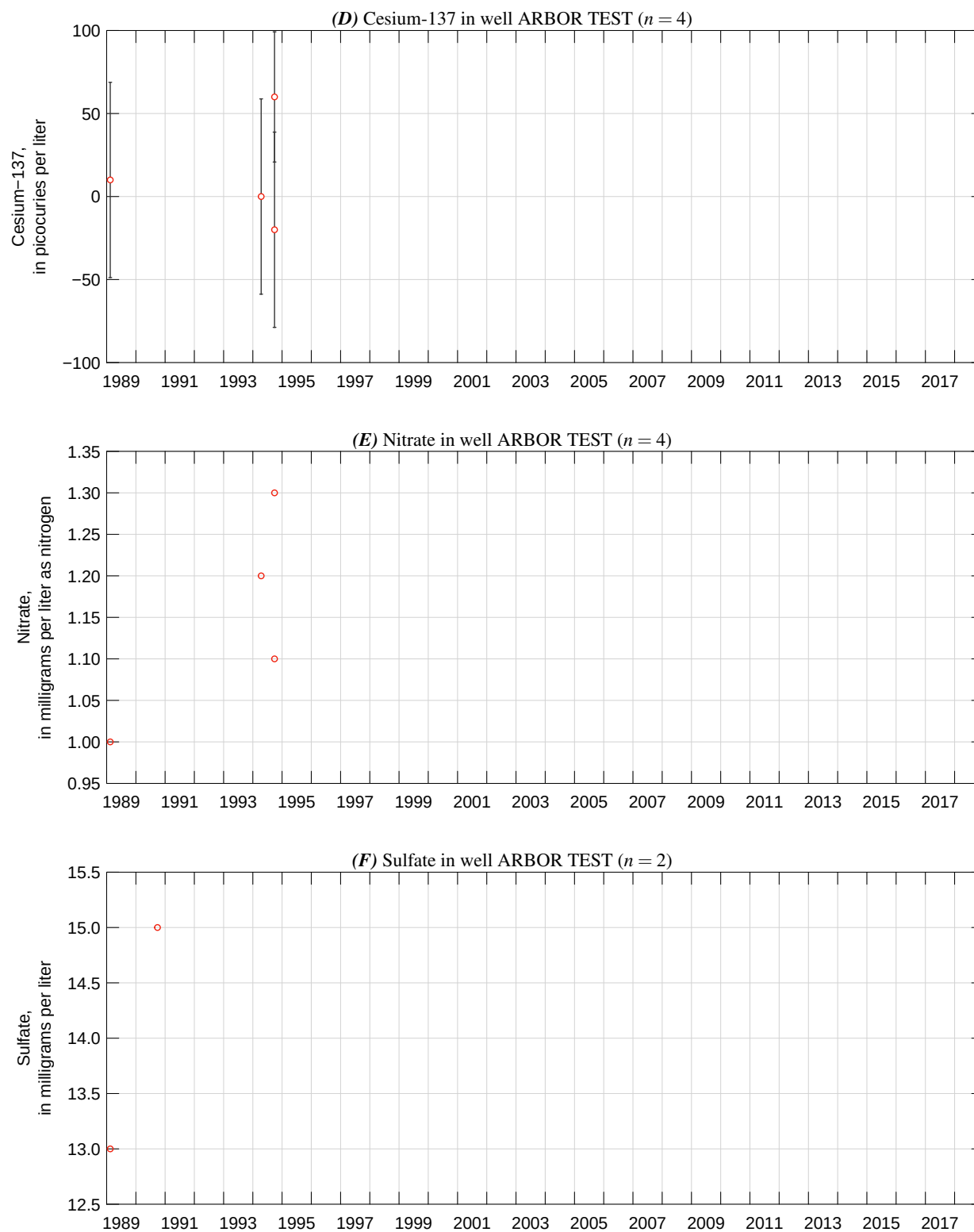


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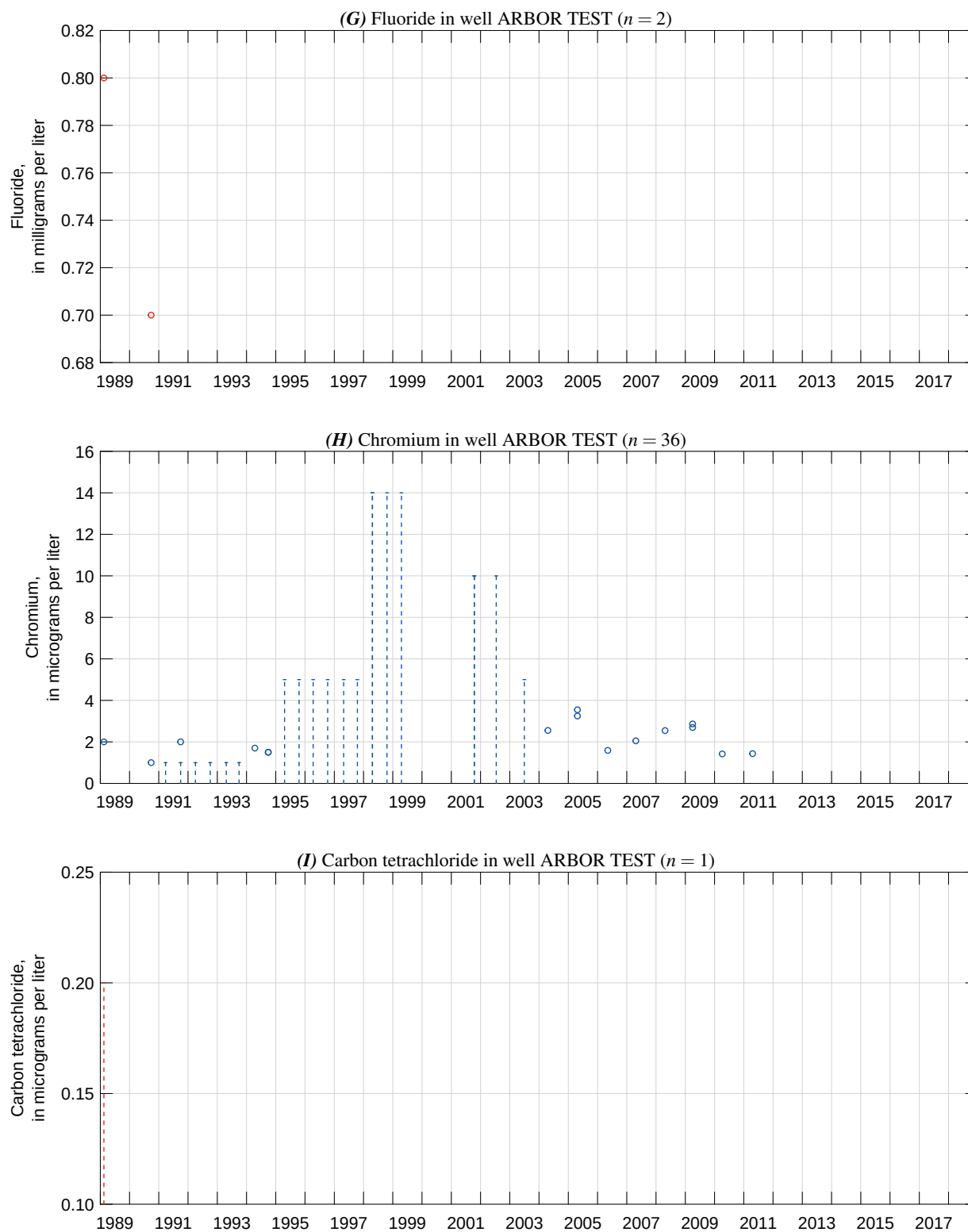


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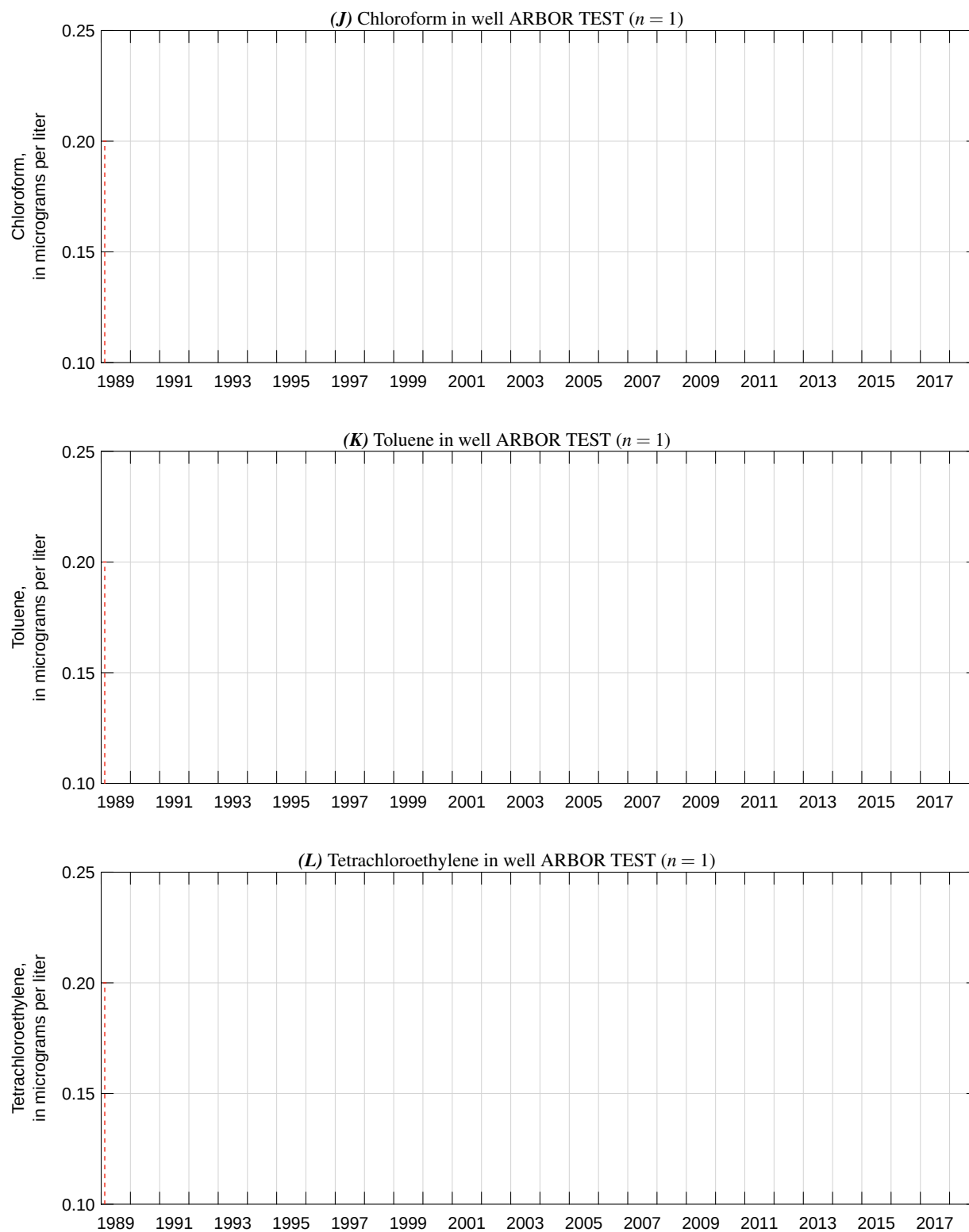


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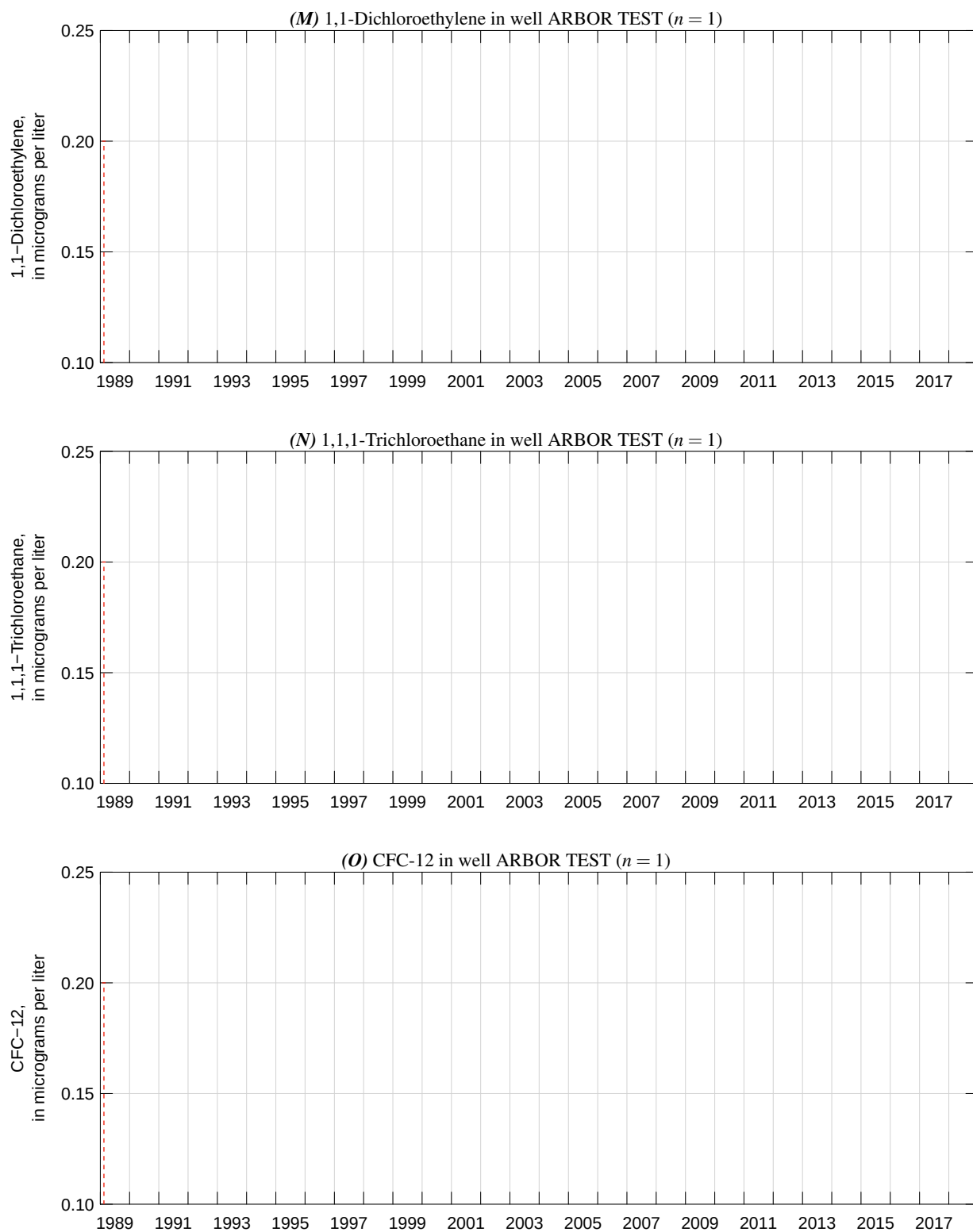


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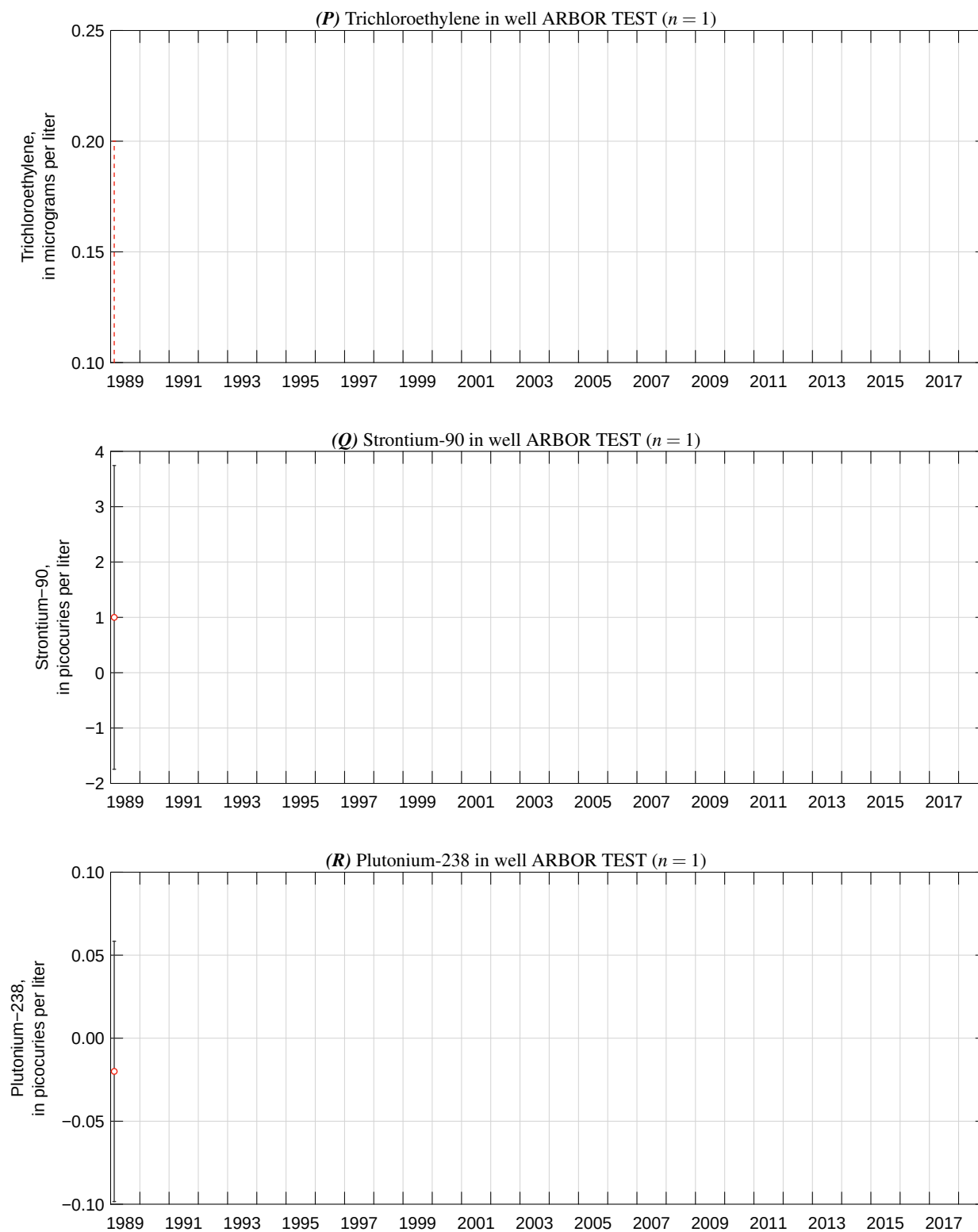


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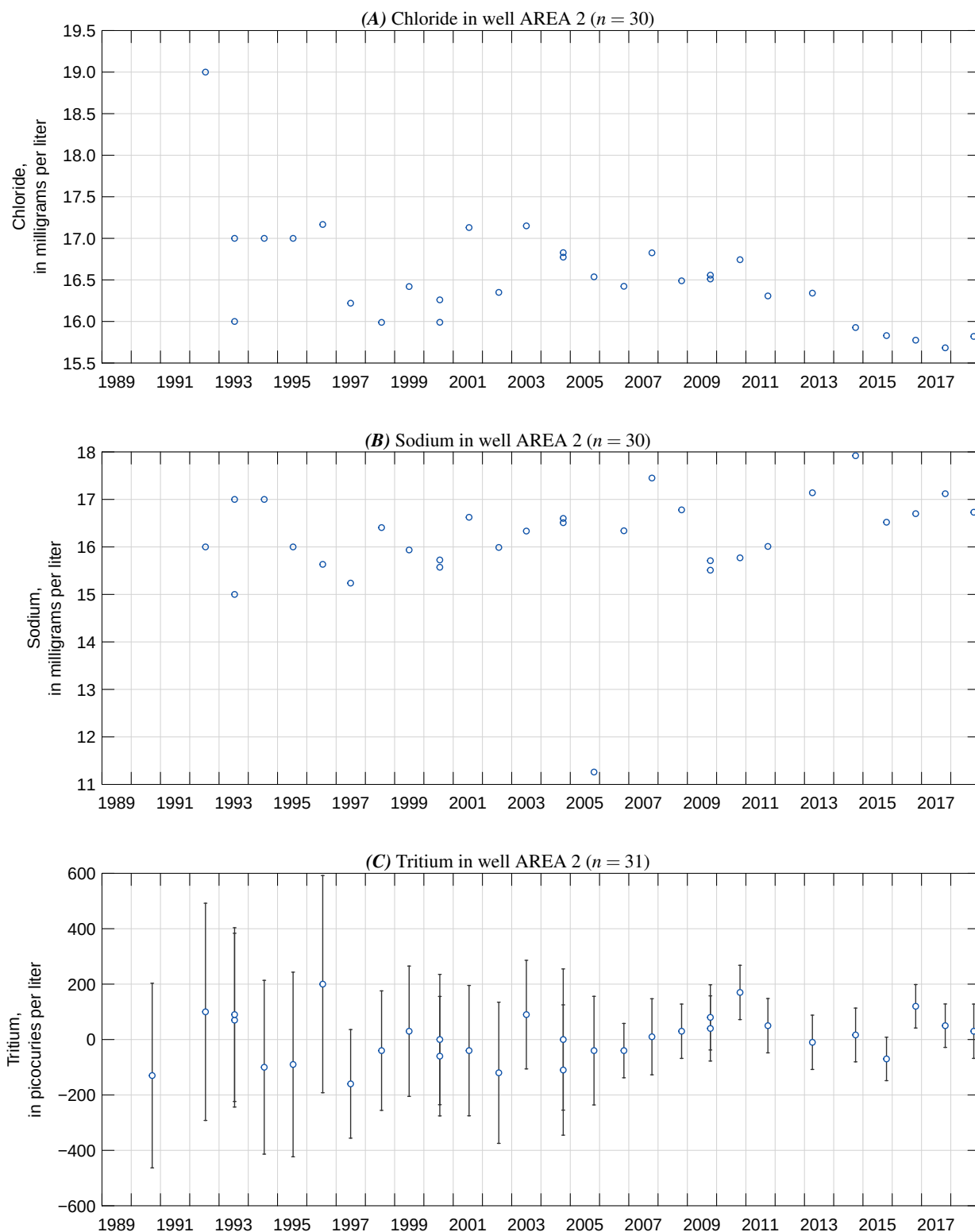


Figure 4.4. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) chromium, (H) carbon tetrachloride, (I) chloroform, (J) toluene, (K) tetrachloroethylene, (L) 1,1-dichloroethylene, (M) 1,1,1-trichloroethane, (N) cfc-12, (O) trichloroethylene, (P) strontium-90, and (Q) plutonium-238 concentrations in water collected from well AREA 2 (Site No. 433223112470201), Idaho National Laboratory, Idaho, 1989–2018.

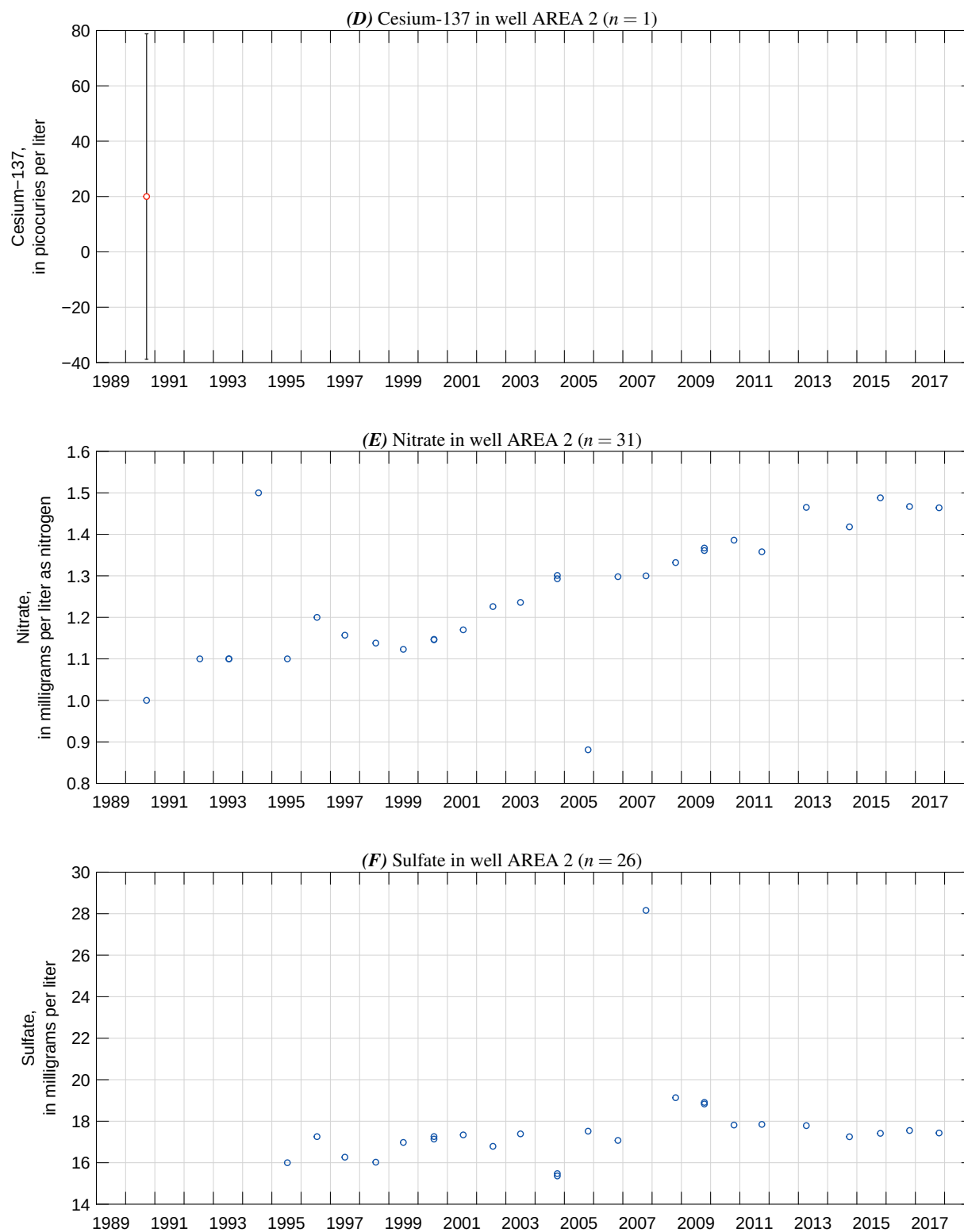


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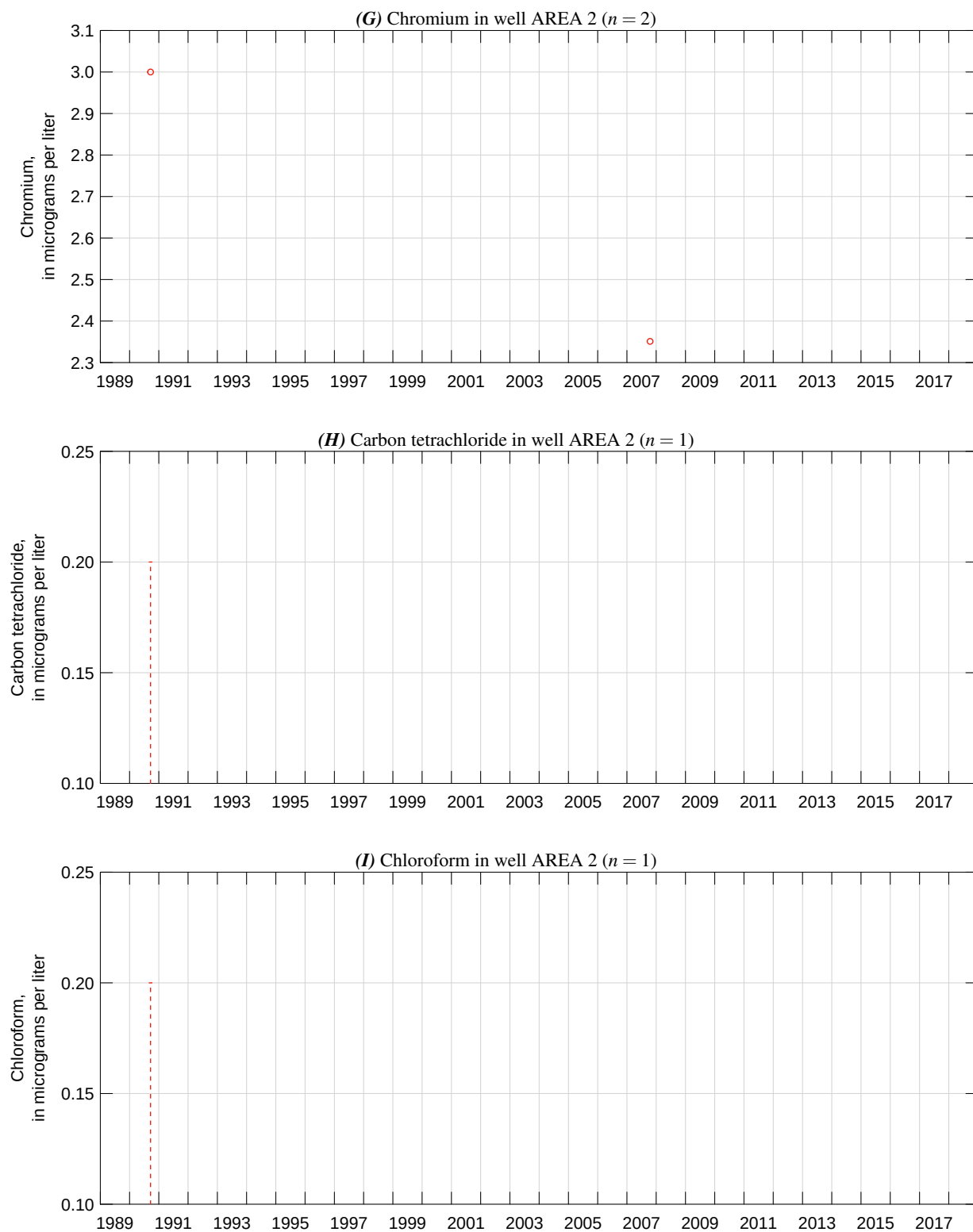


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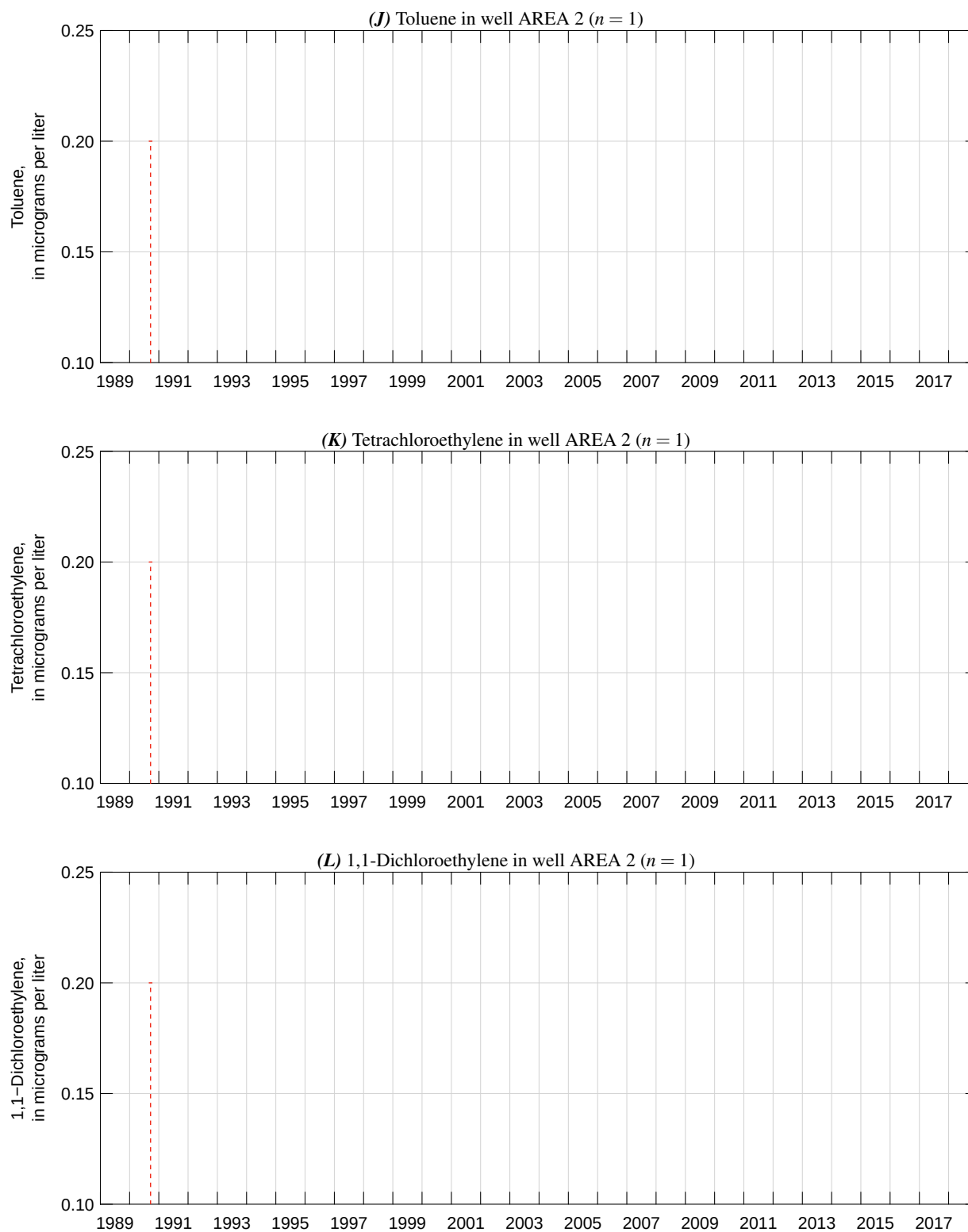


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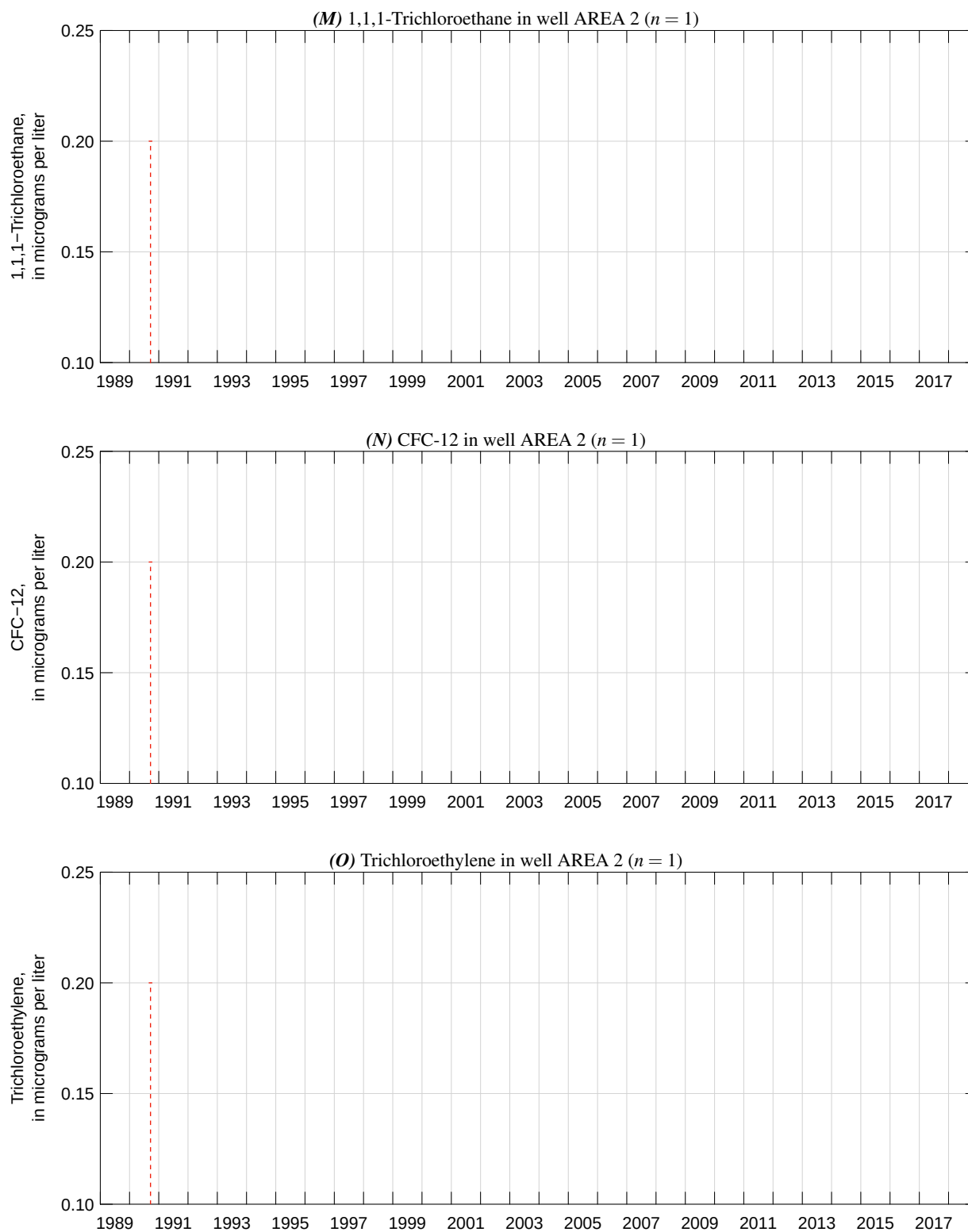


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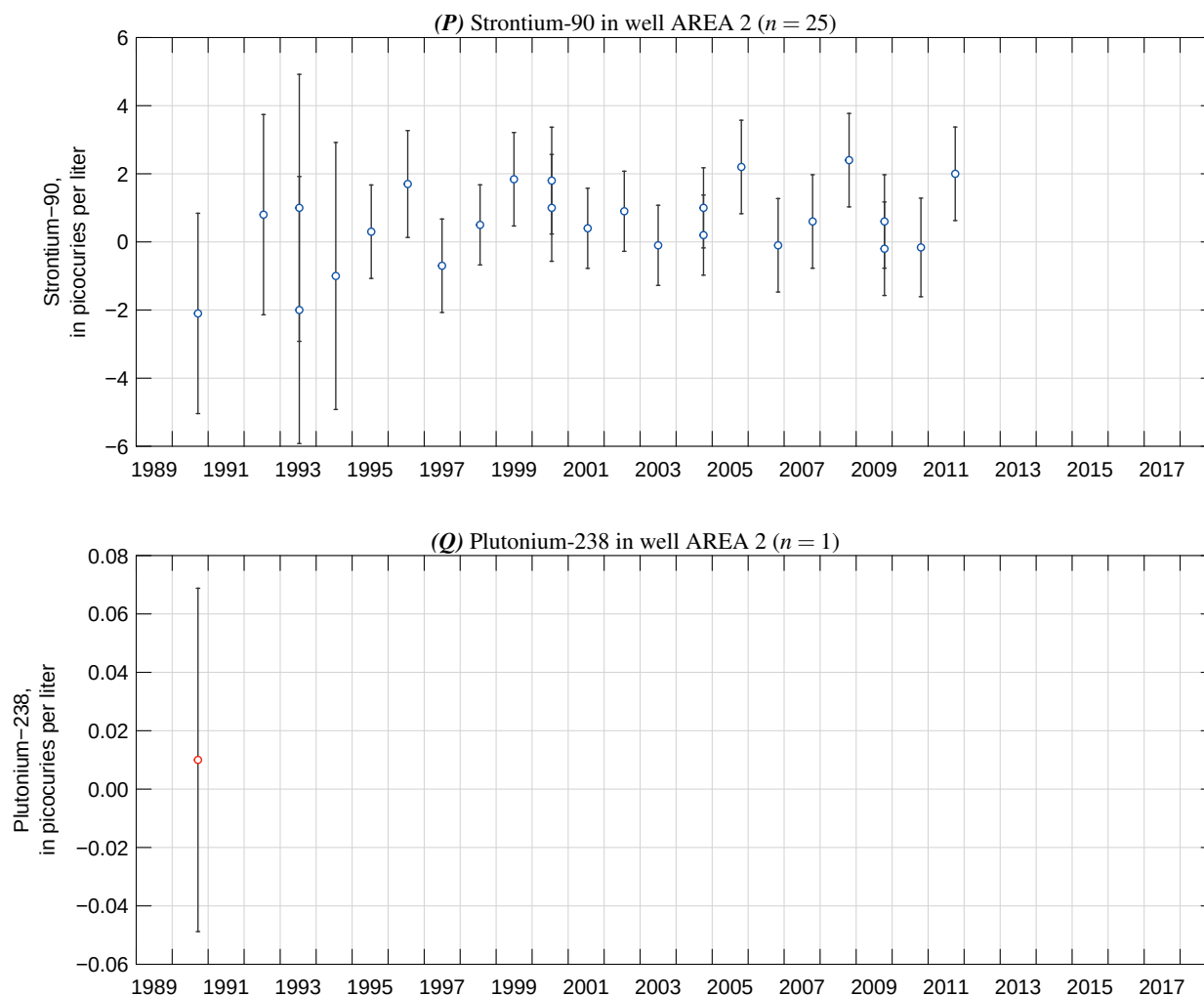


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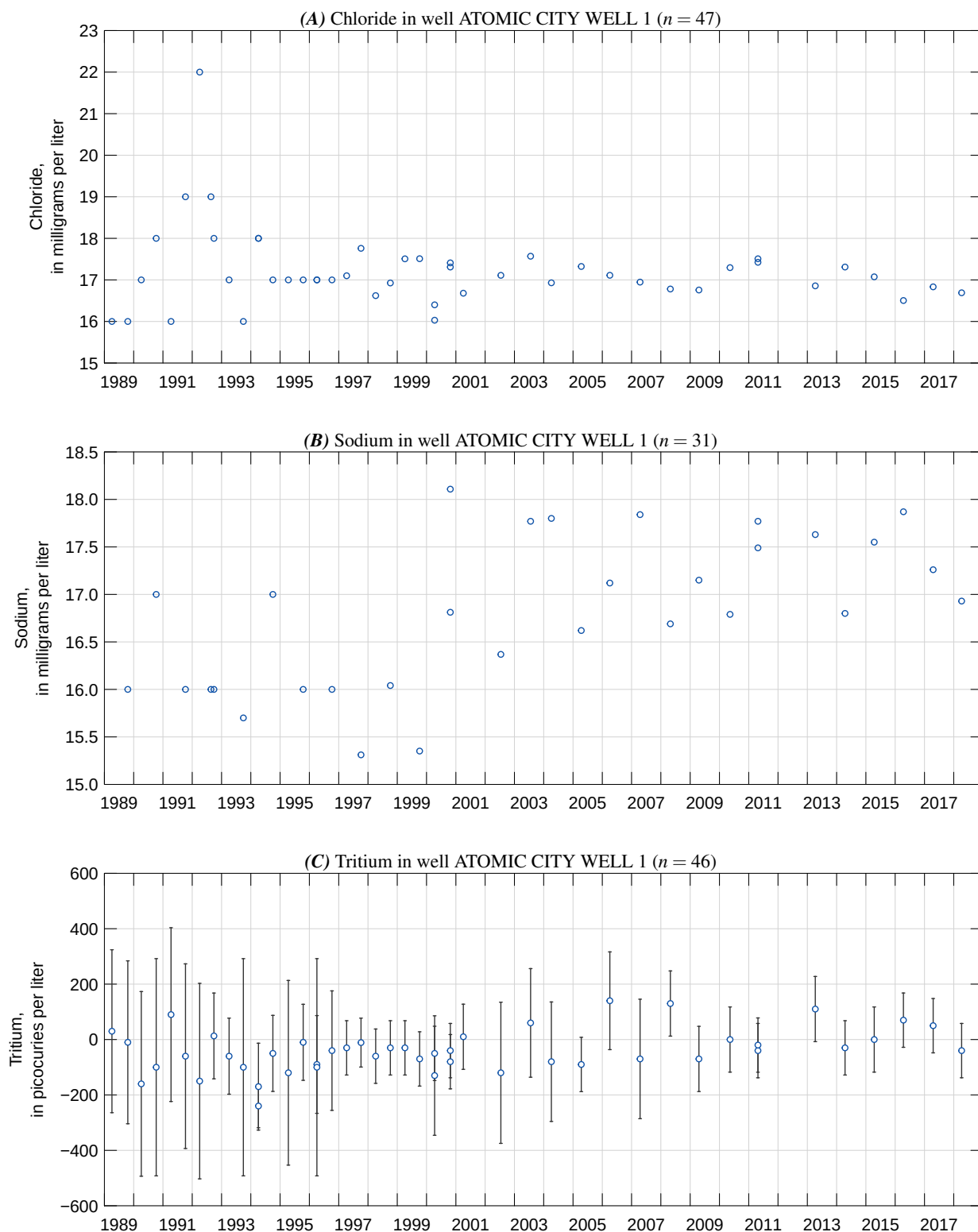


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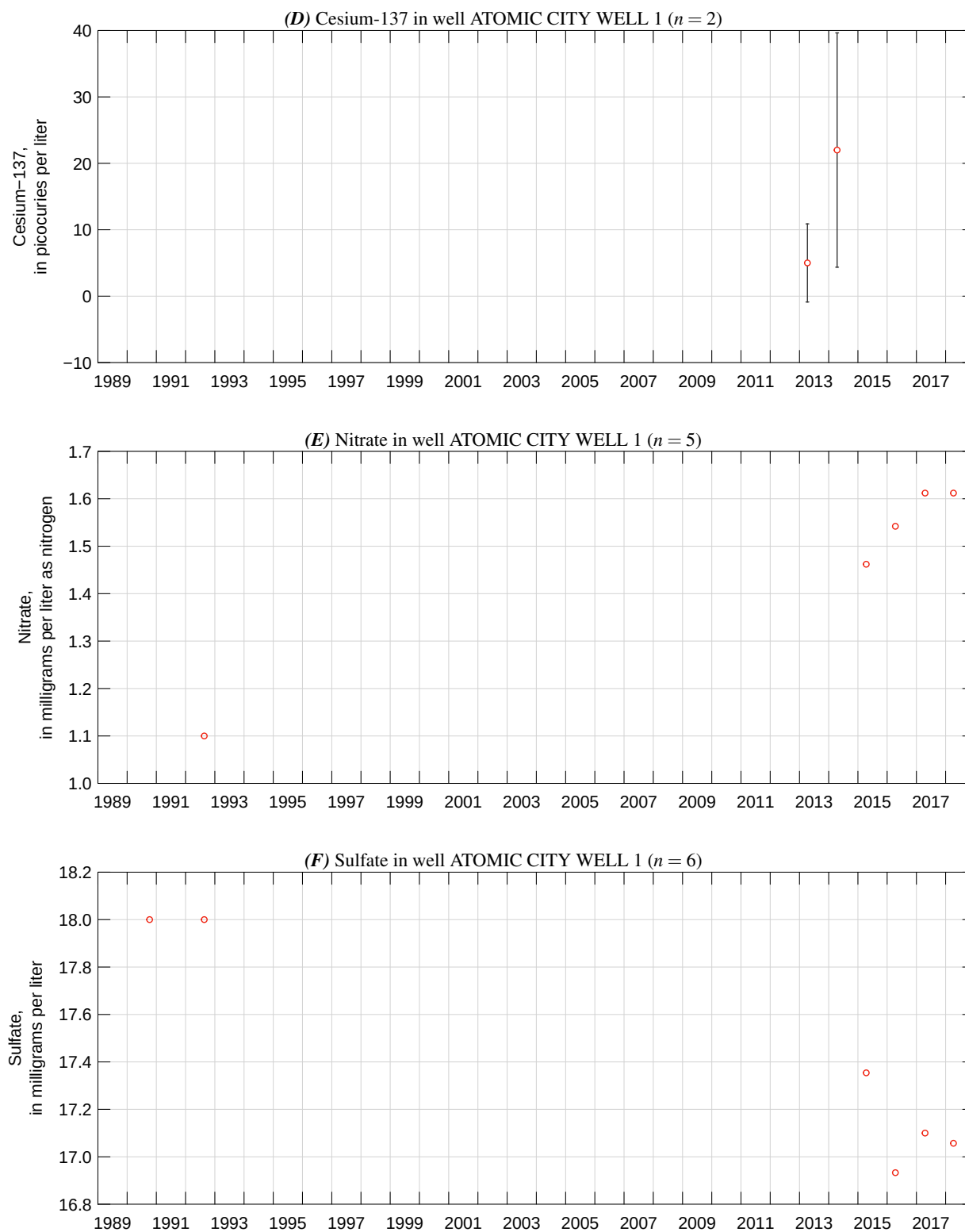


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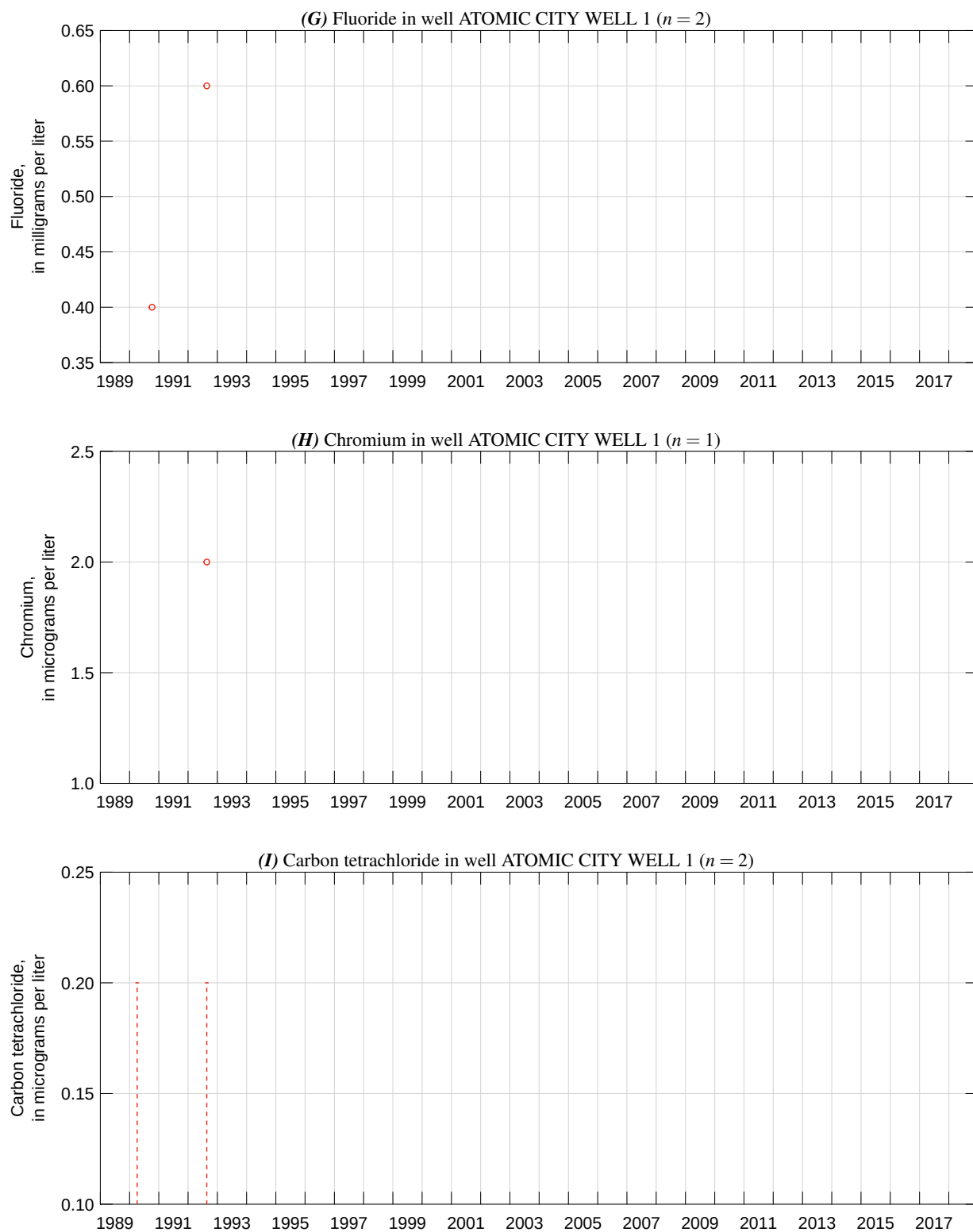


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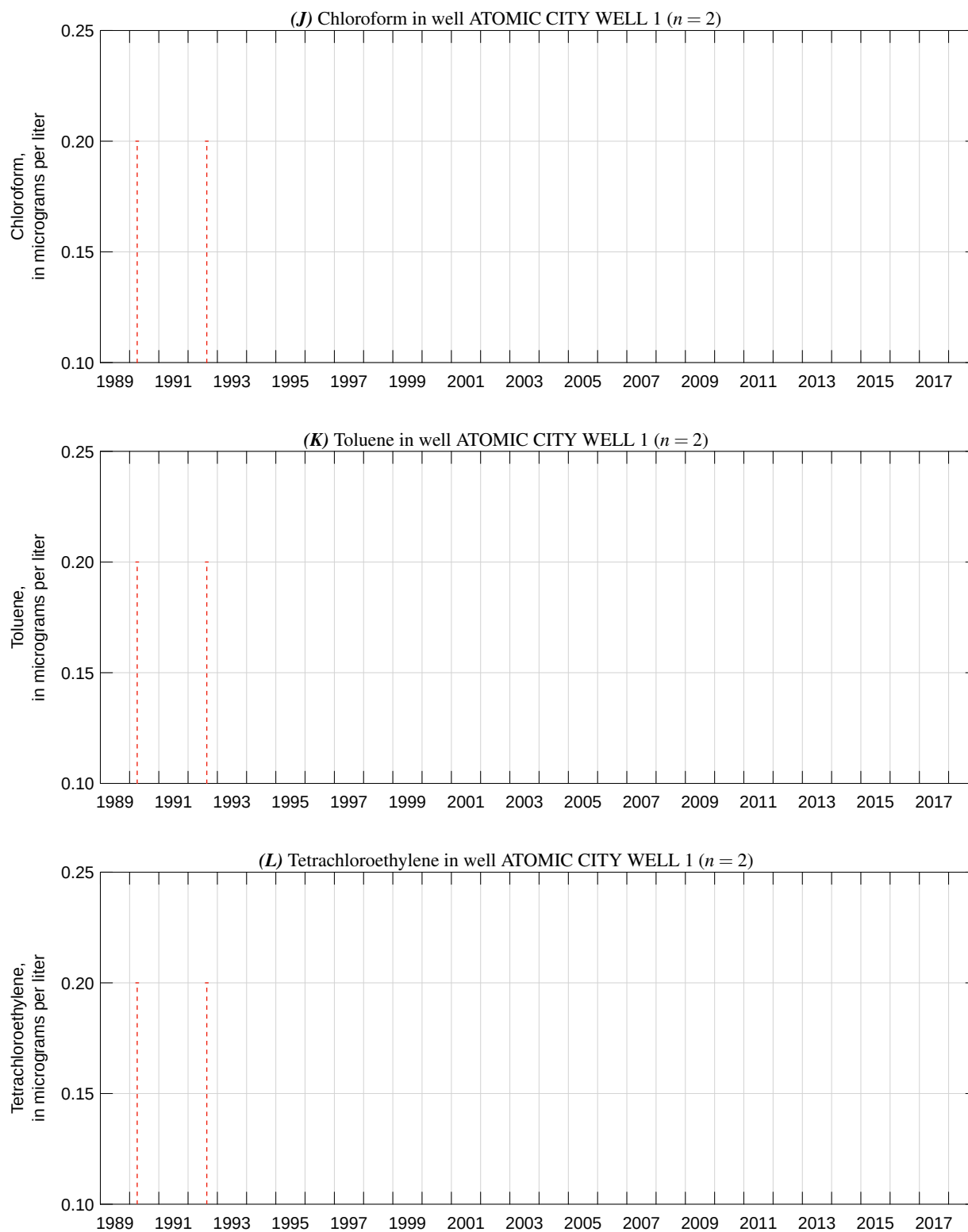


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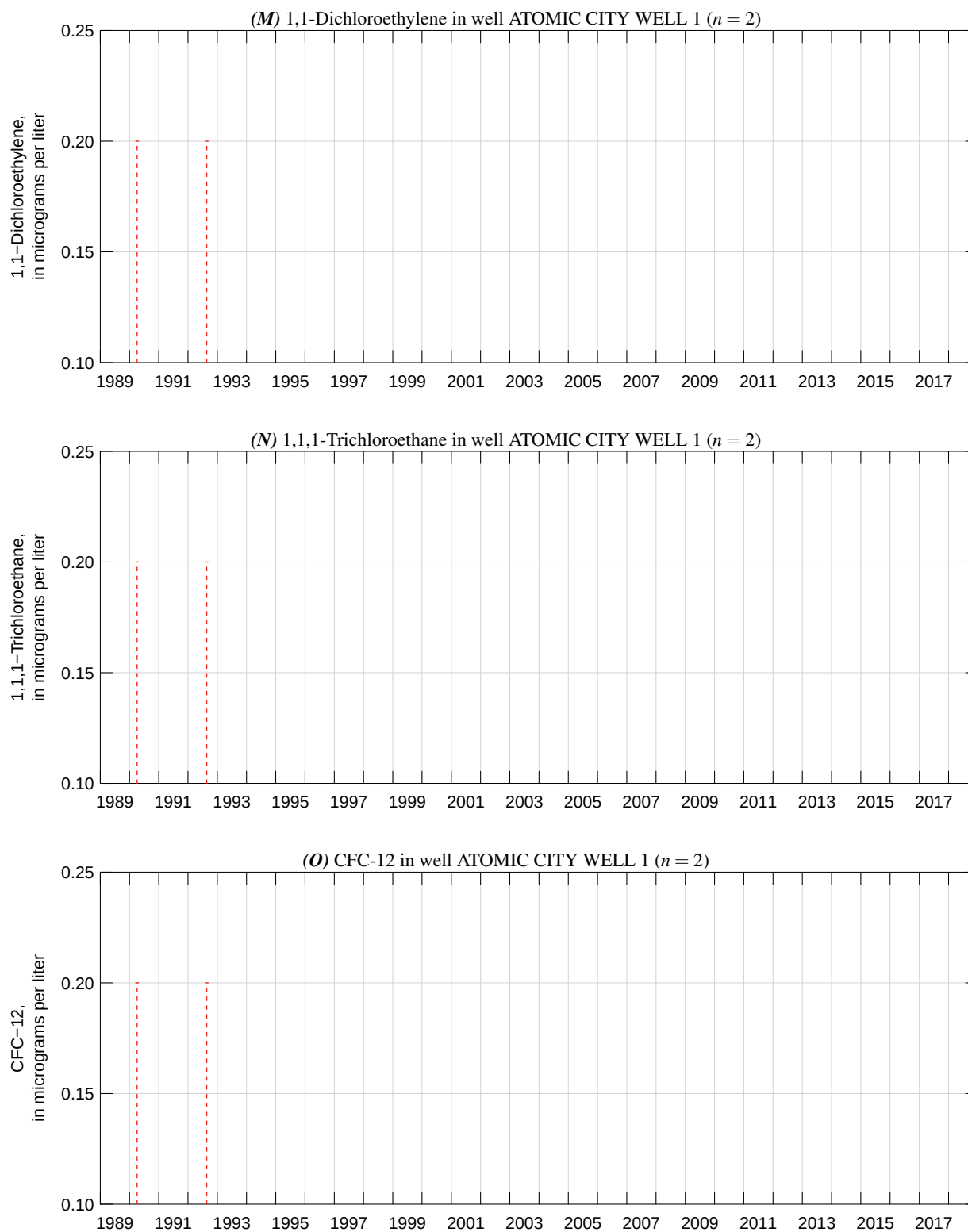


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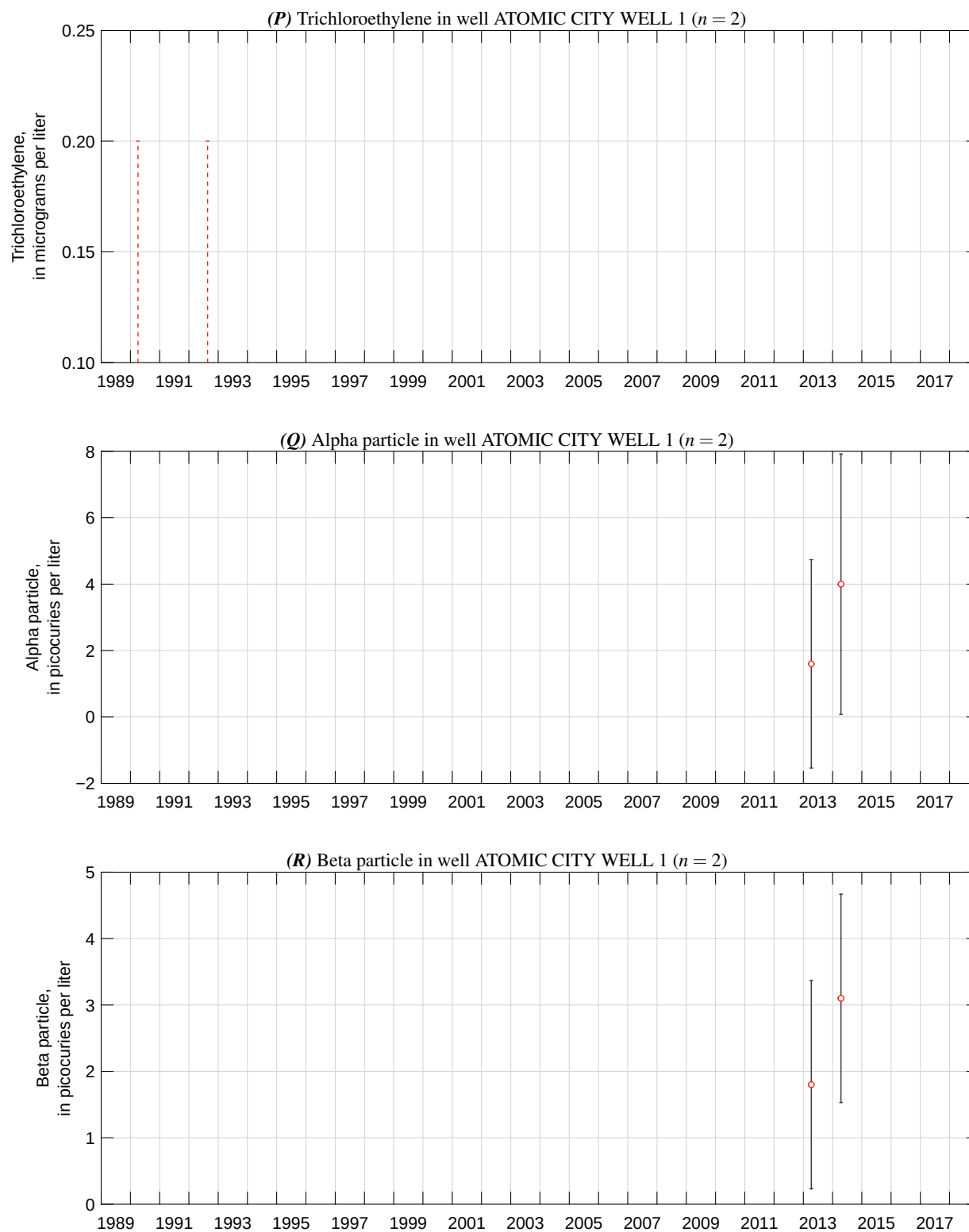


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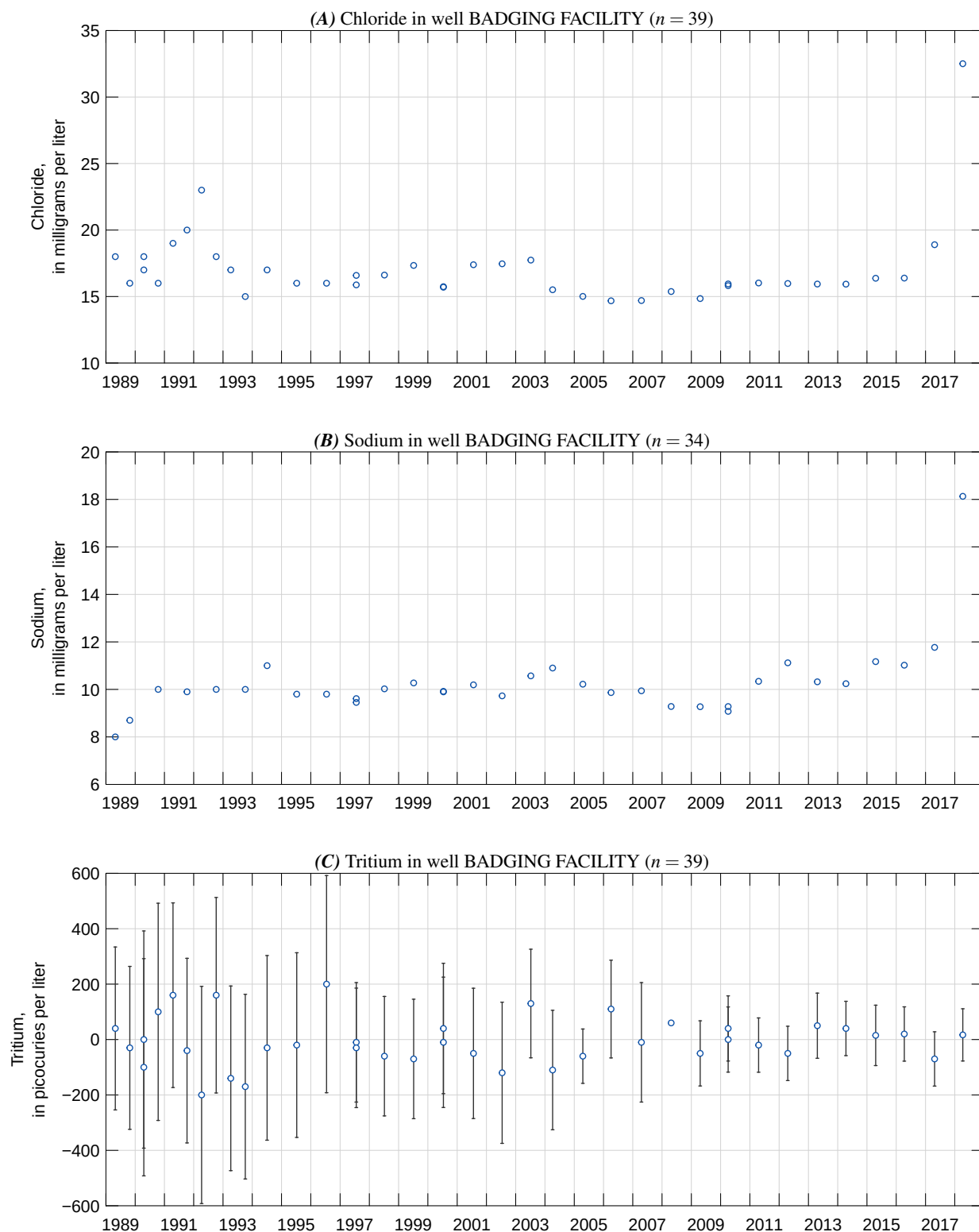


Figure 4.6. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) nitrate, (E) sulfate, (F) fluoride, and (G) strontium-90 concentrations in water collected from well BADGING FACILITY (Site No. 433042112535101), Idaho National Laboratory, Idaho, 1989–2018.

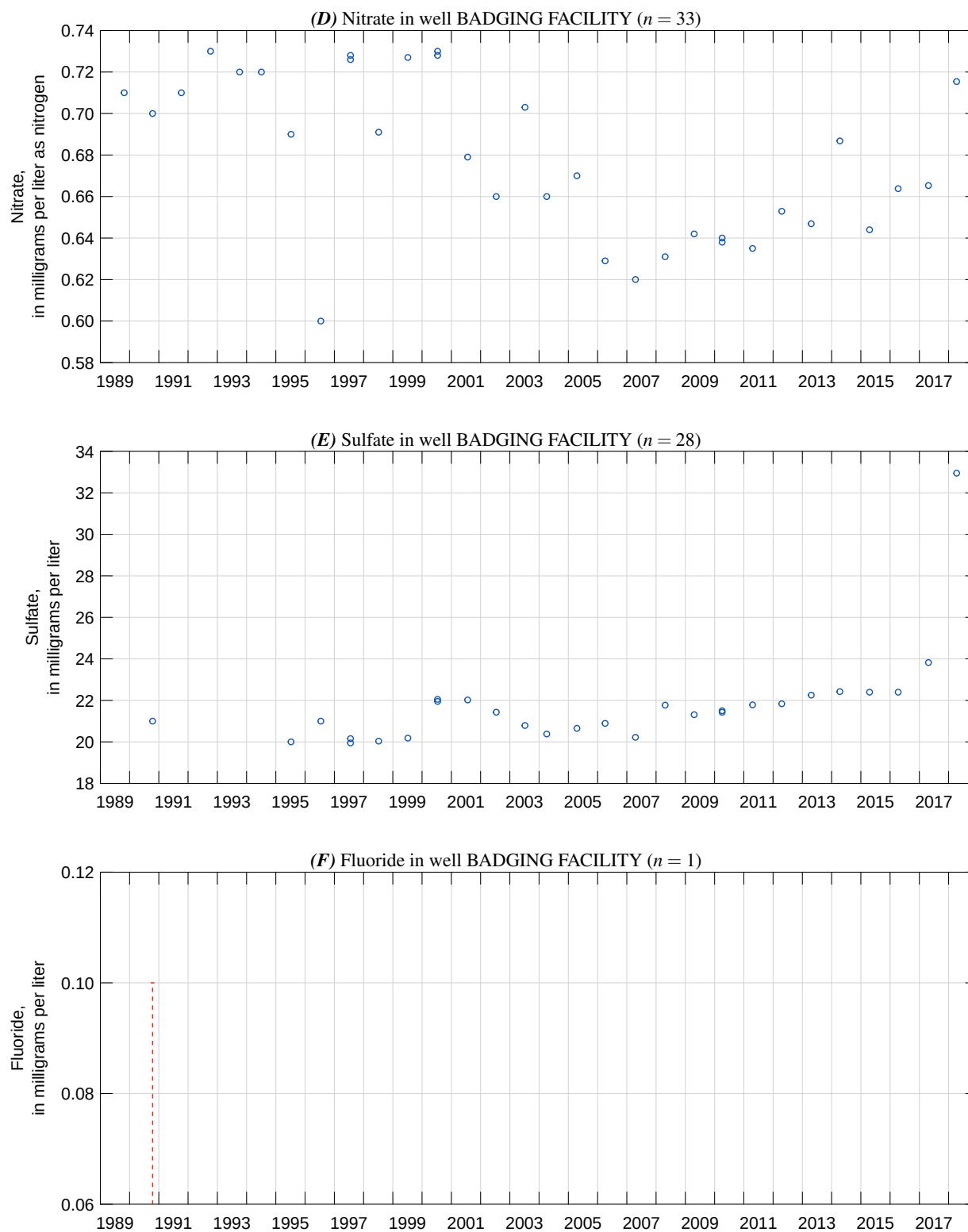
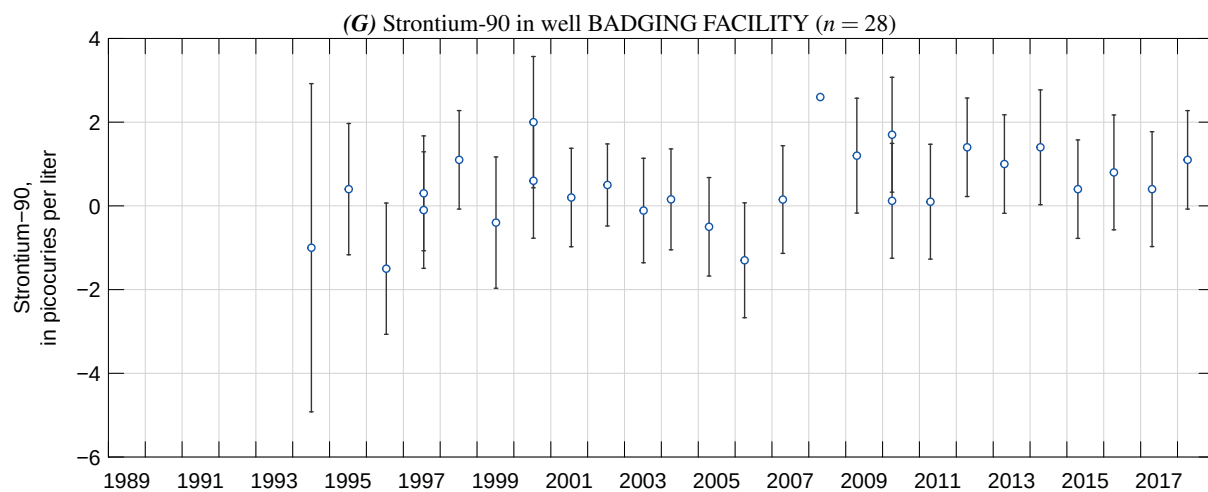


Figure 4.6. —Continued

**Figure 4.6.** —Continued

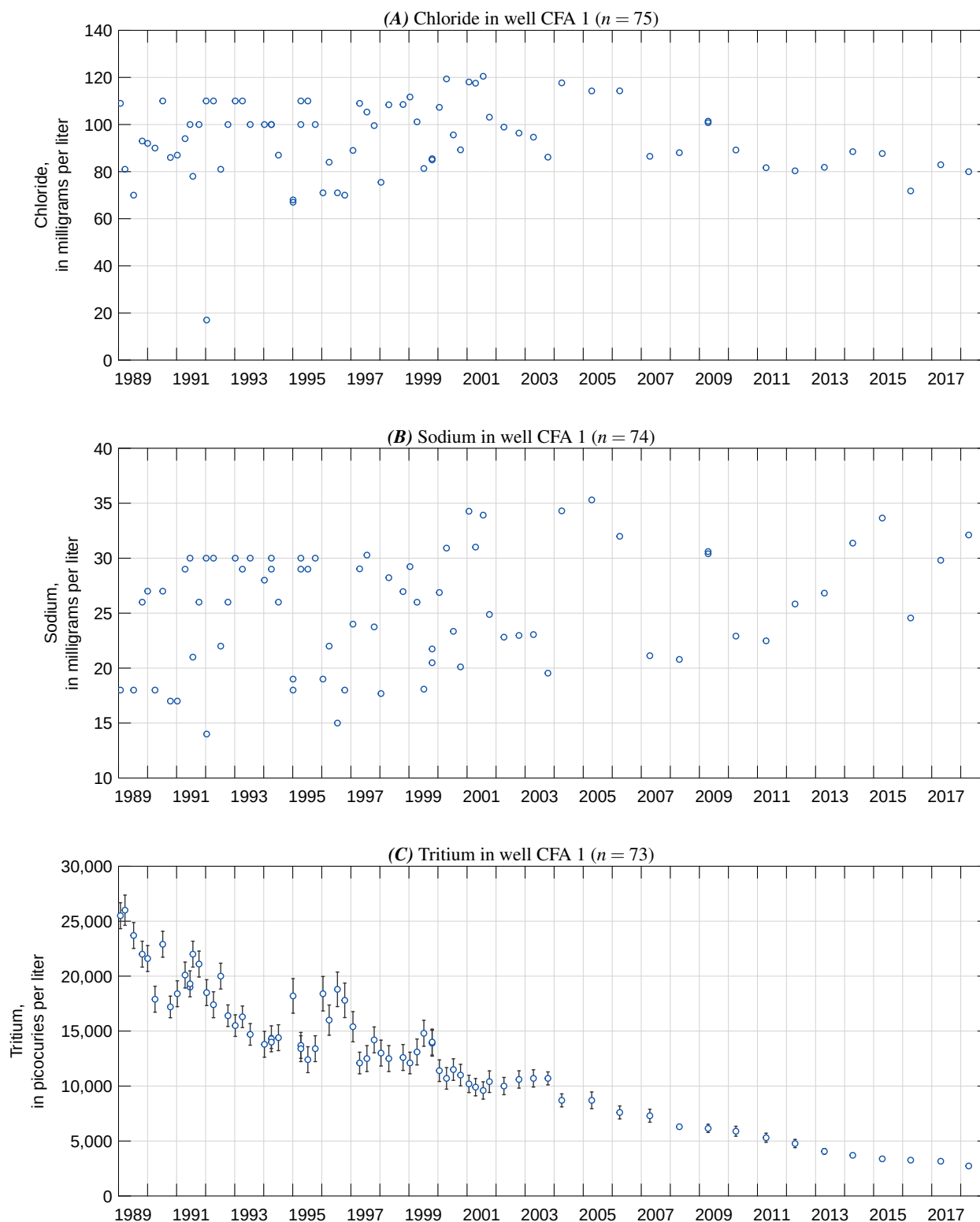


Figure 4.7. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, and (R) plutonium-238 concentrations in water collected from well CFA 1 (Site No. 433204112562001), Idaho National Laboratory, Idaho, 1989–2018.

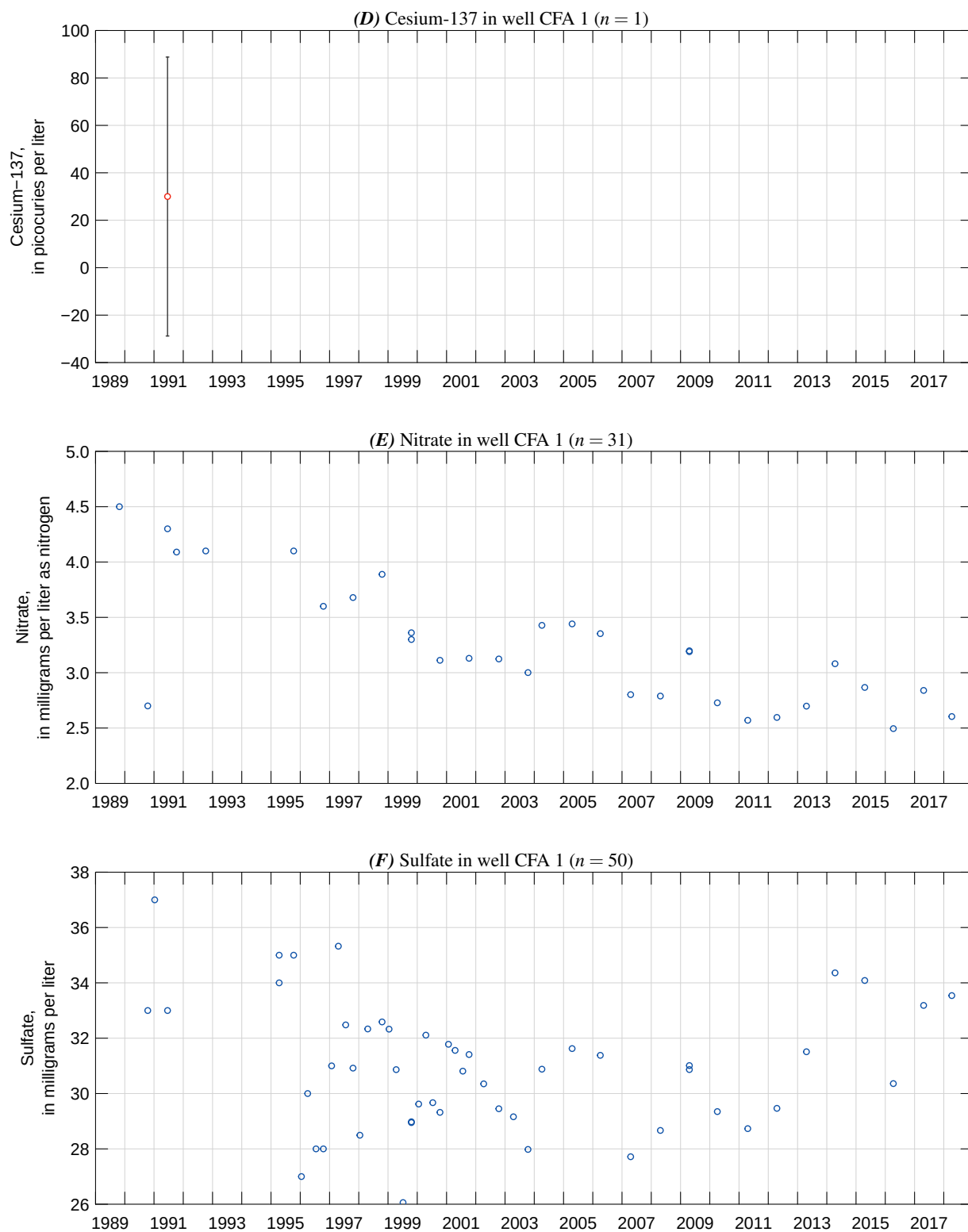


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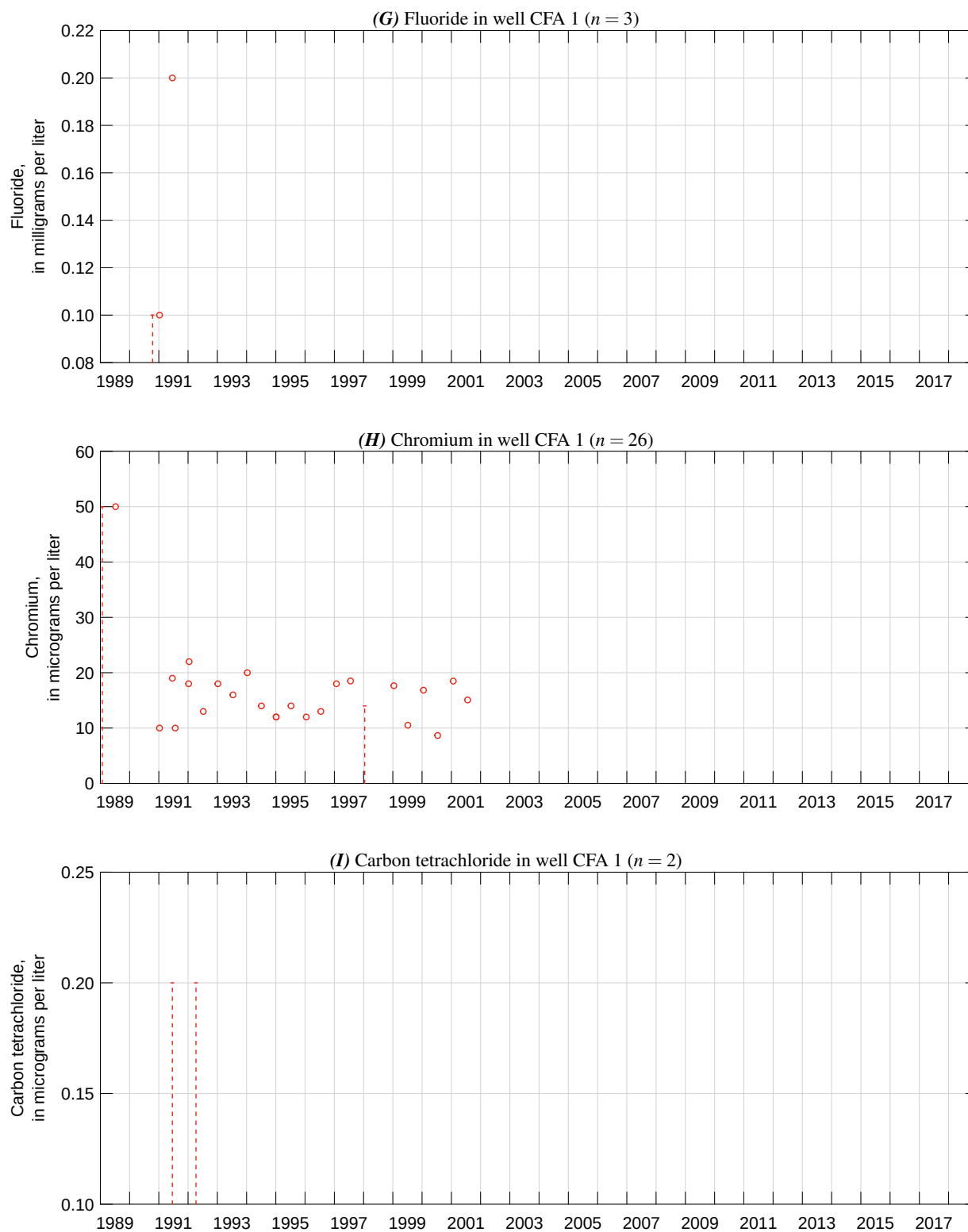


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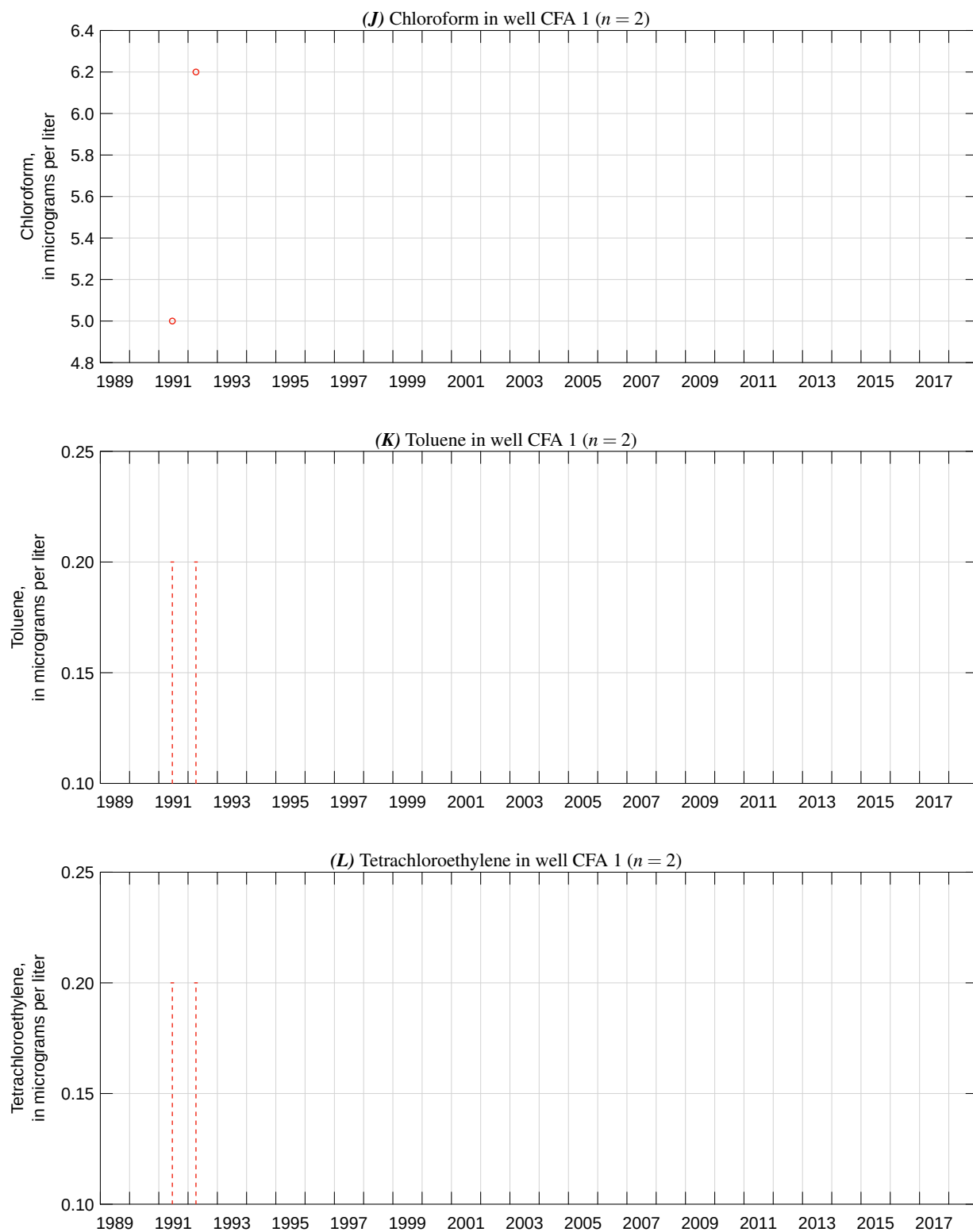


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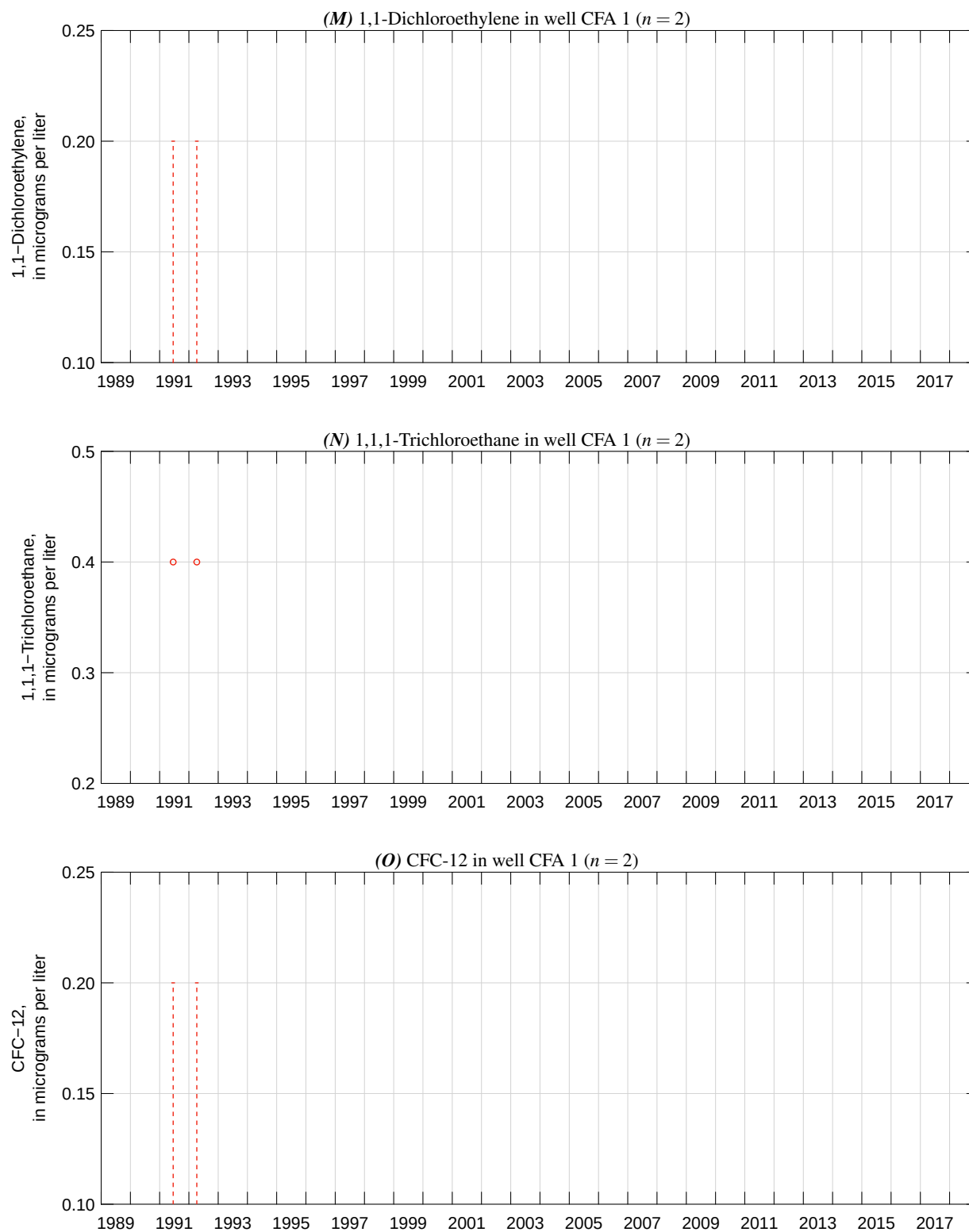


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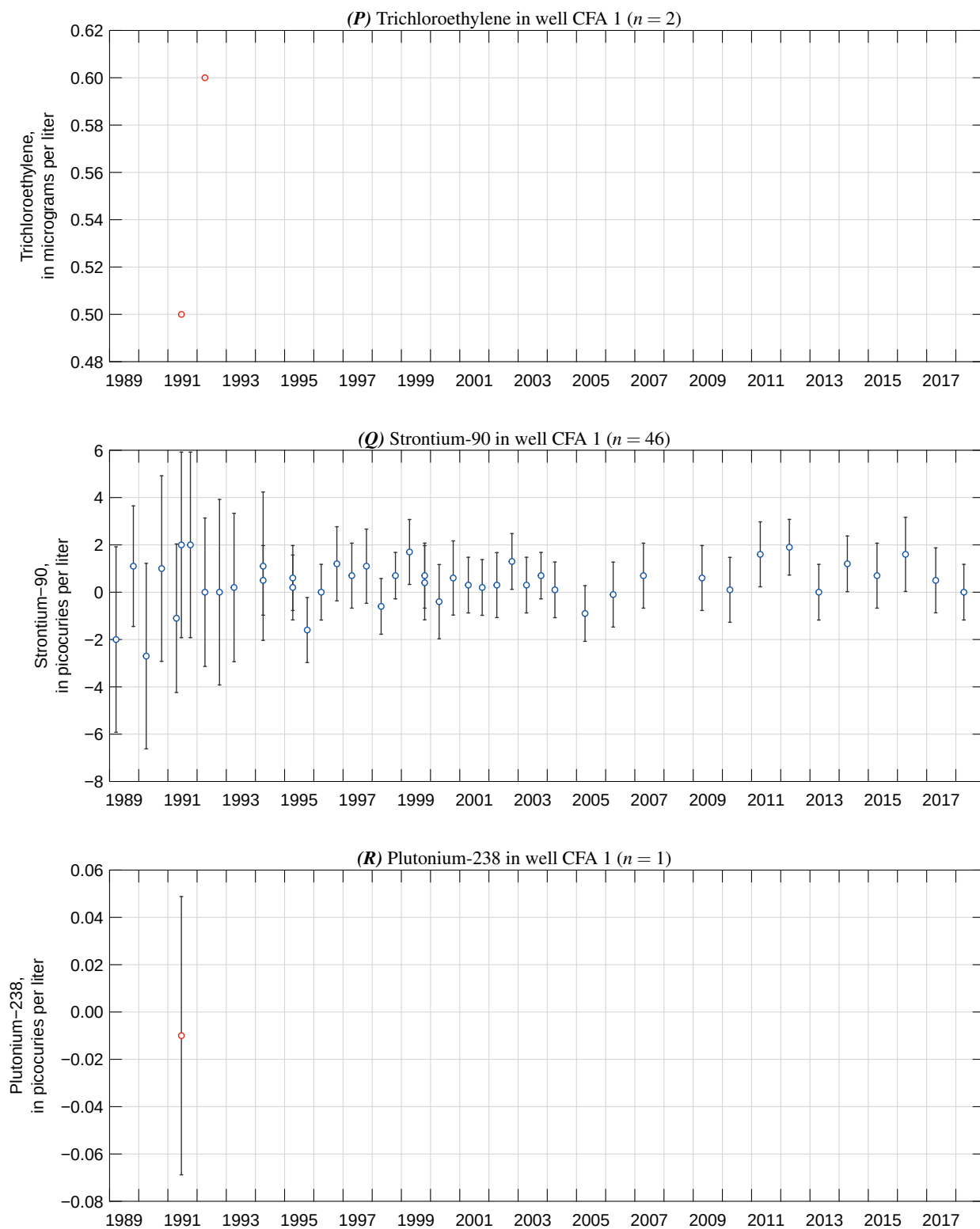


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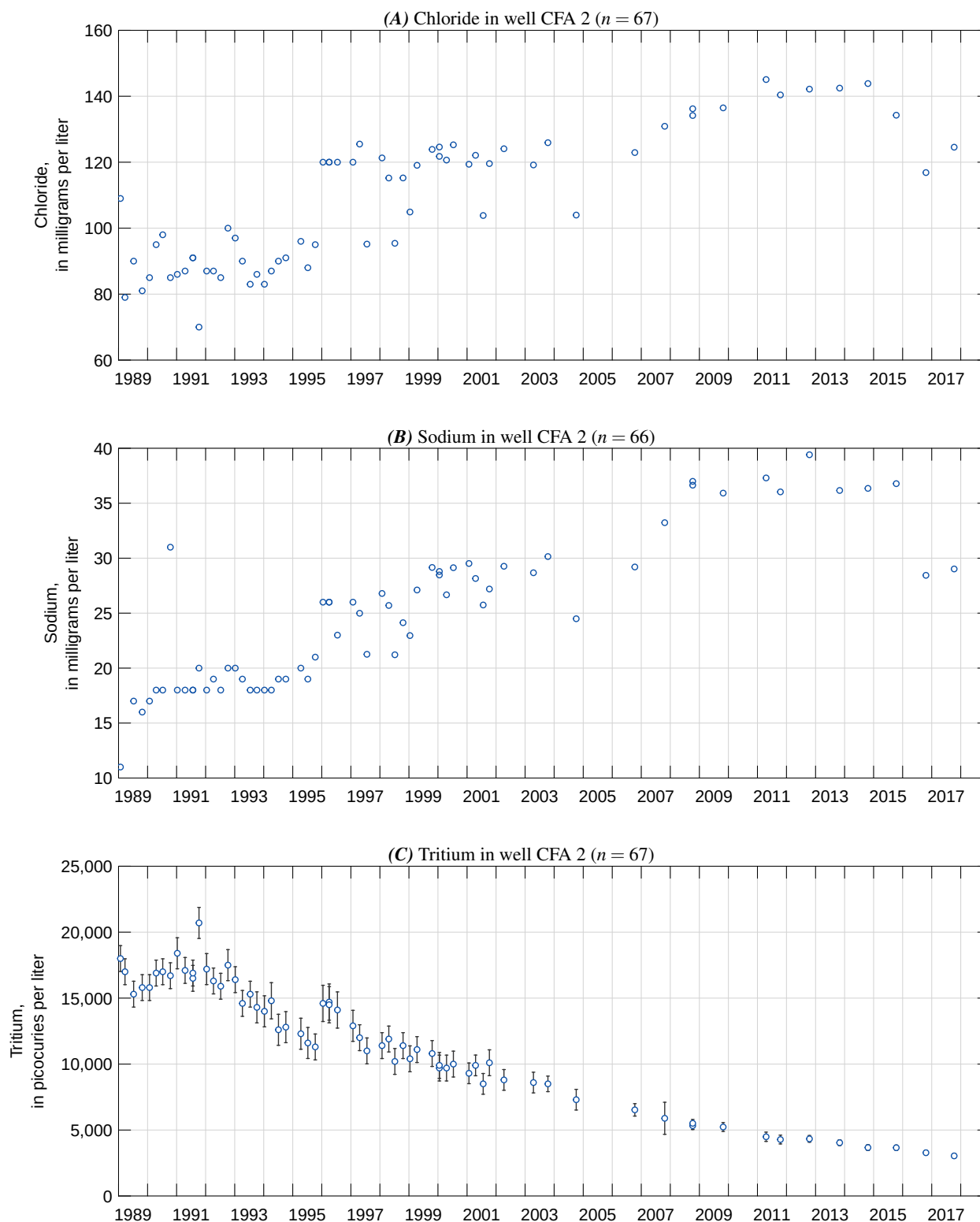


Figure 4.8. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) nitrate, (E) sulfate, (F) fluoride, (G) chromium, and (H) strontium-90 concentrations in water collected from well CFA 2 (Site No. 433144112563501), Idaho National Laboratory, Idaho, 1989–2018.

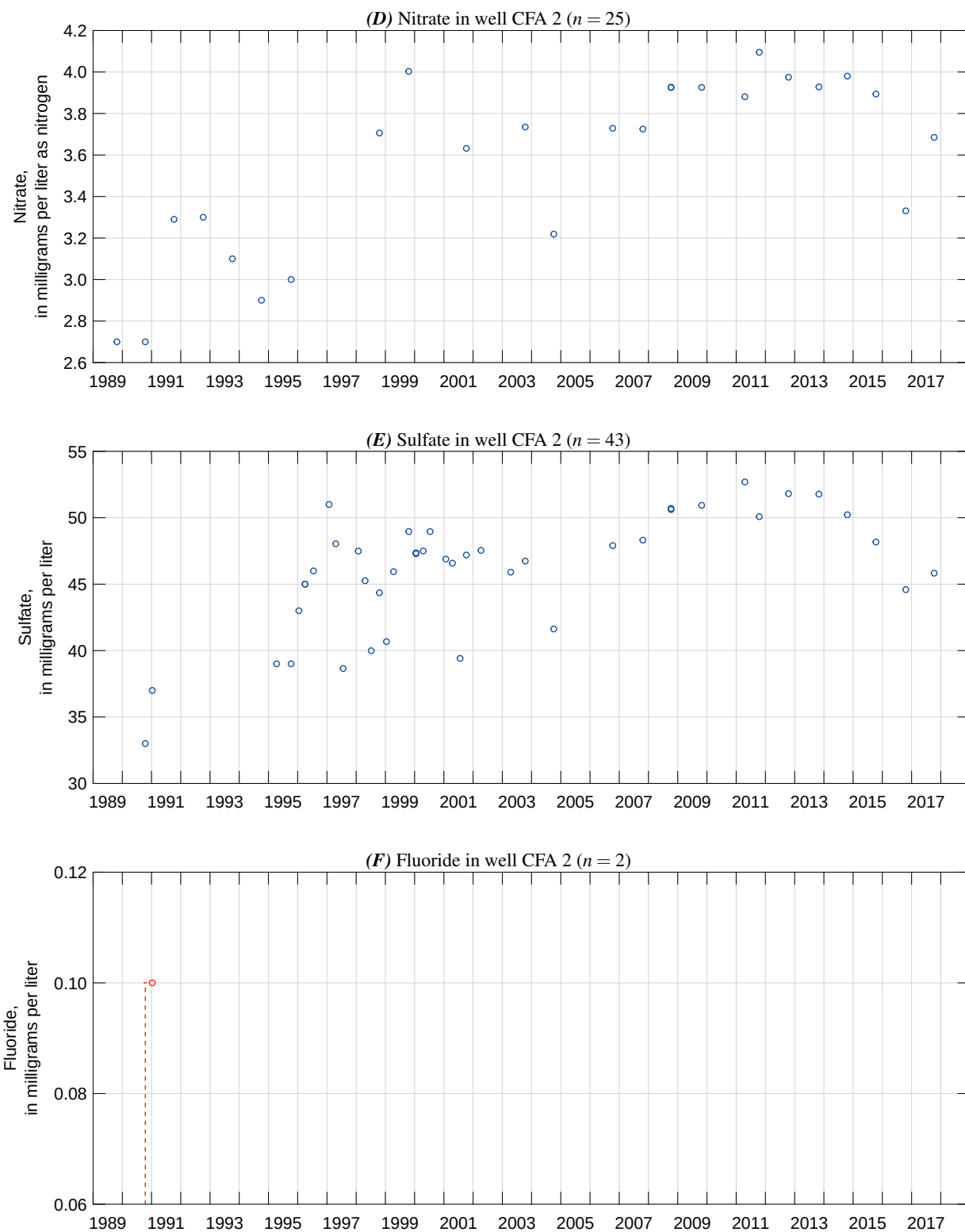


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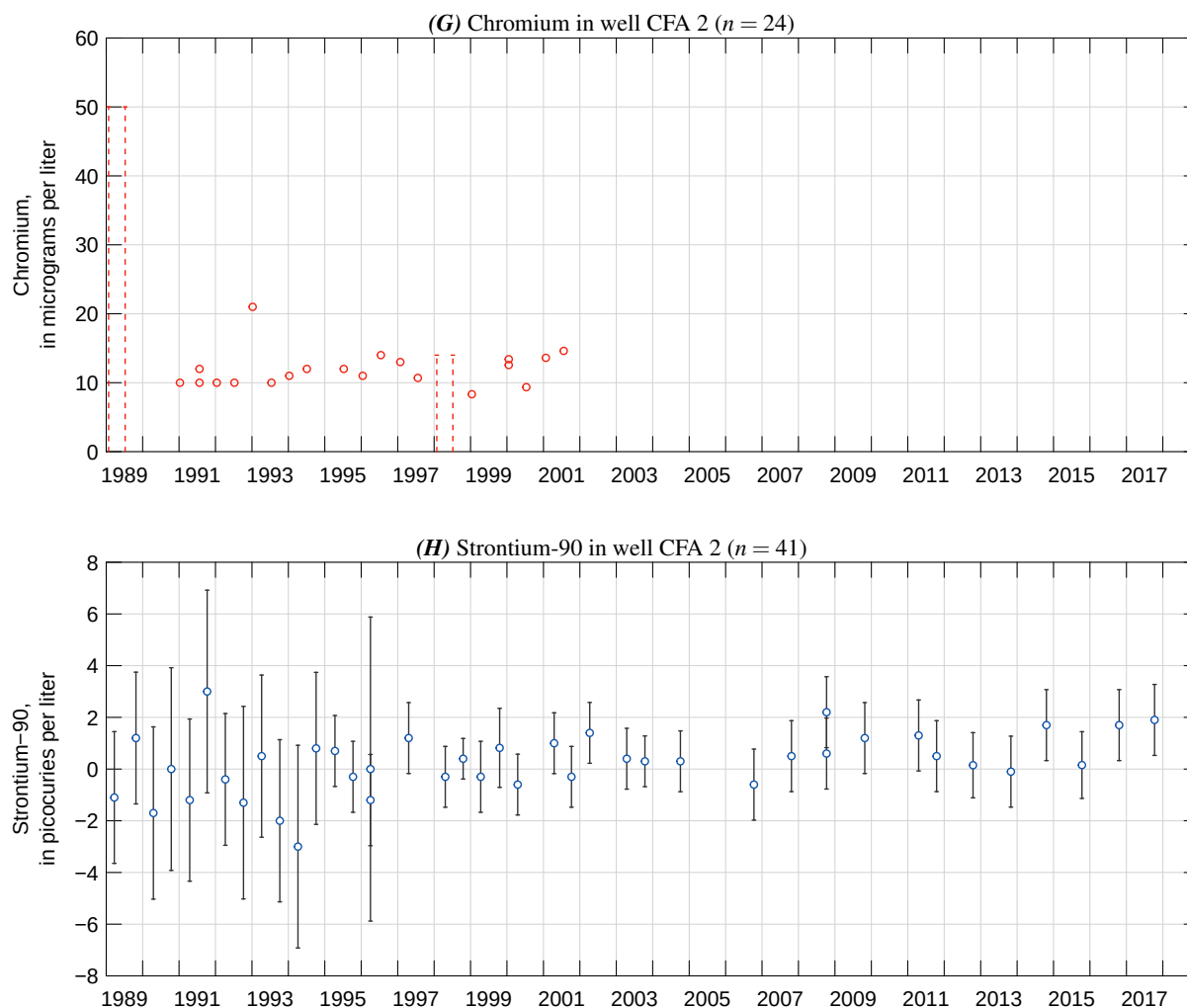


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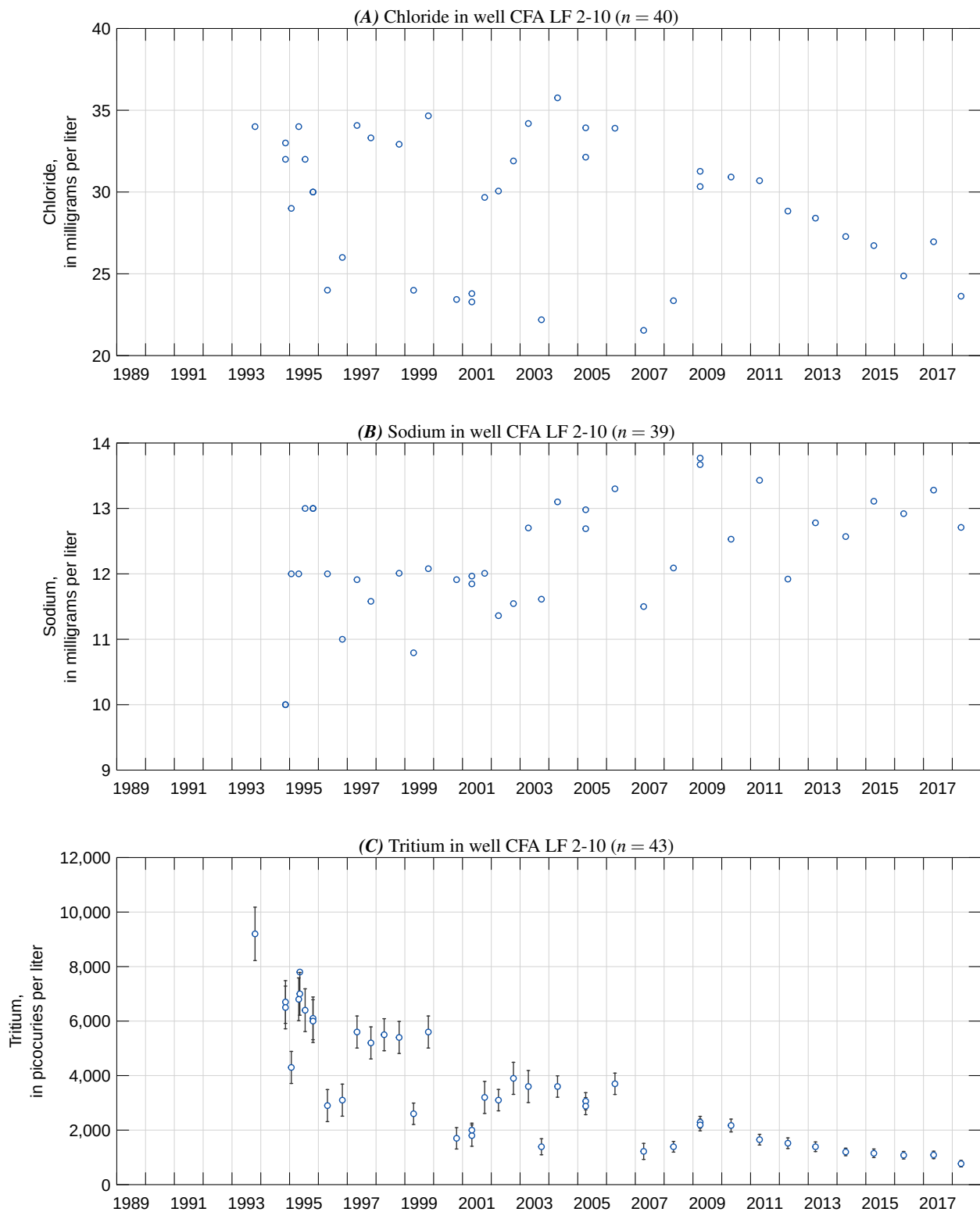


Figure 4.9. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) chromium, (H) strontium-90, (I) plutonium-238, (J) alpha particle, and (K) beta particle concentrations in water collected from well CFA LF 2-10 (Site No. 433216112563301), Idaho National Laboratory, Idaho, 1989–2018.

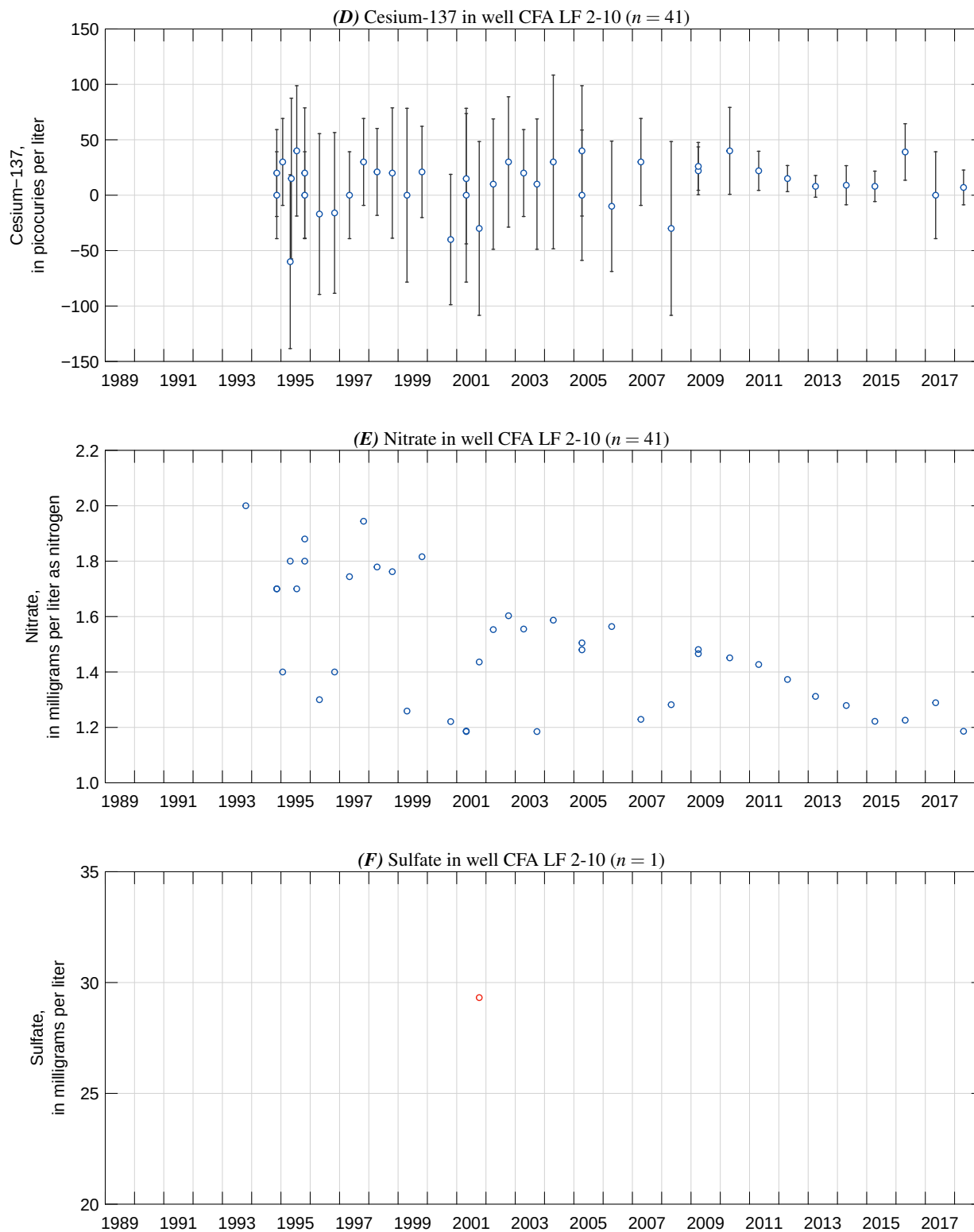


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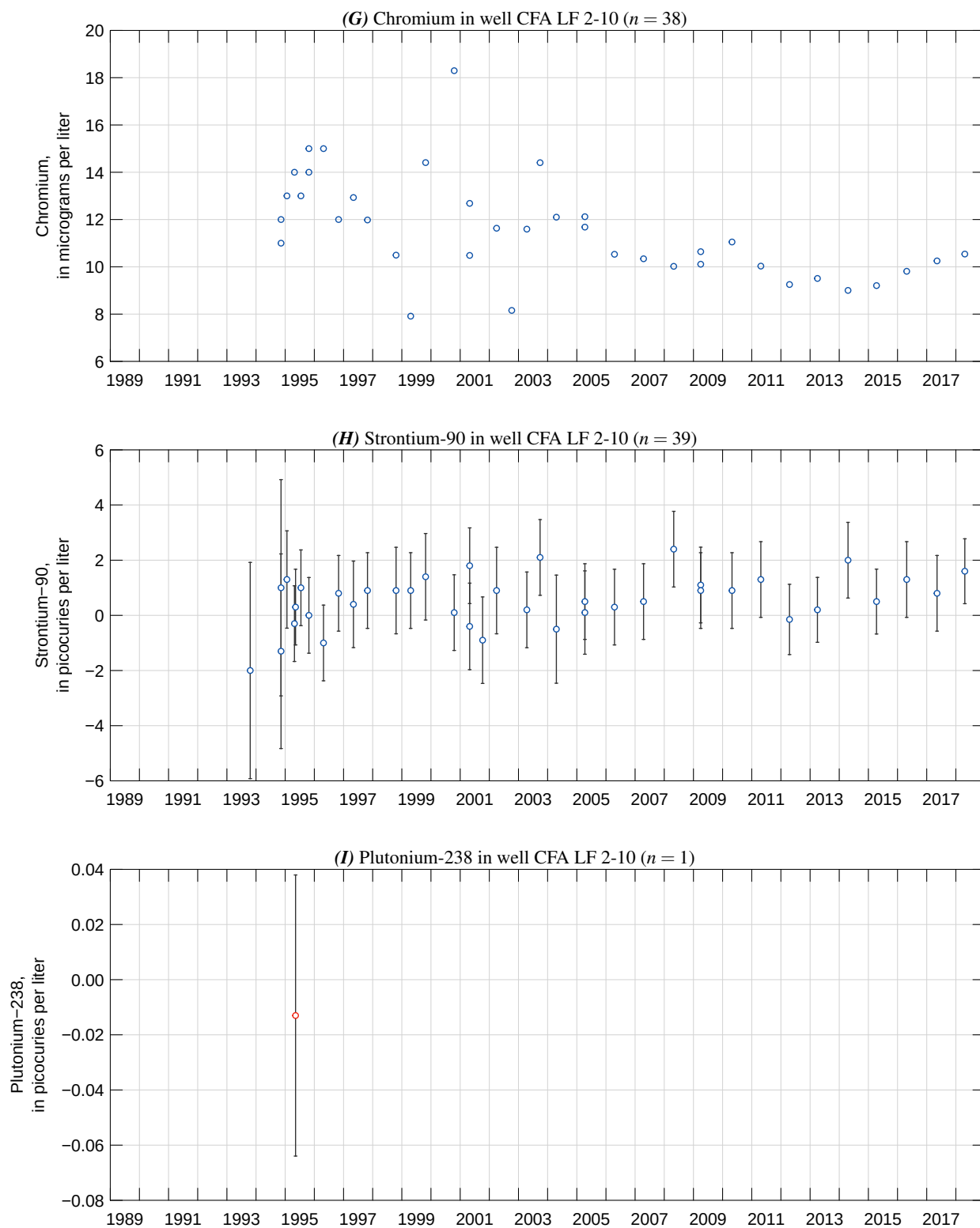


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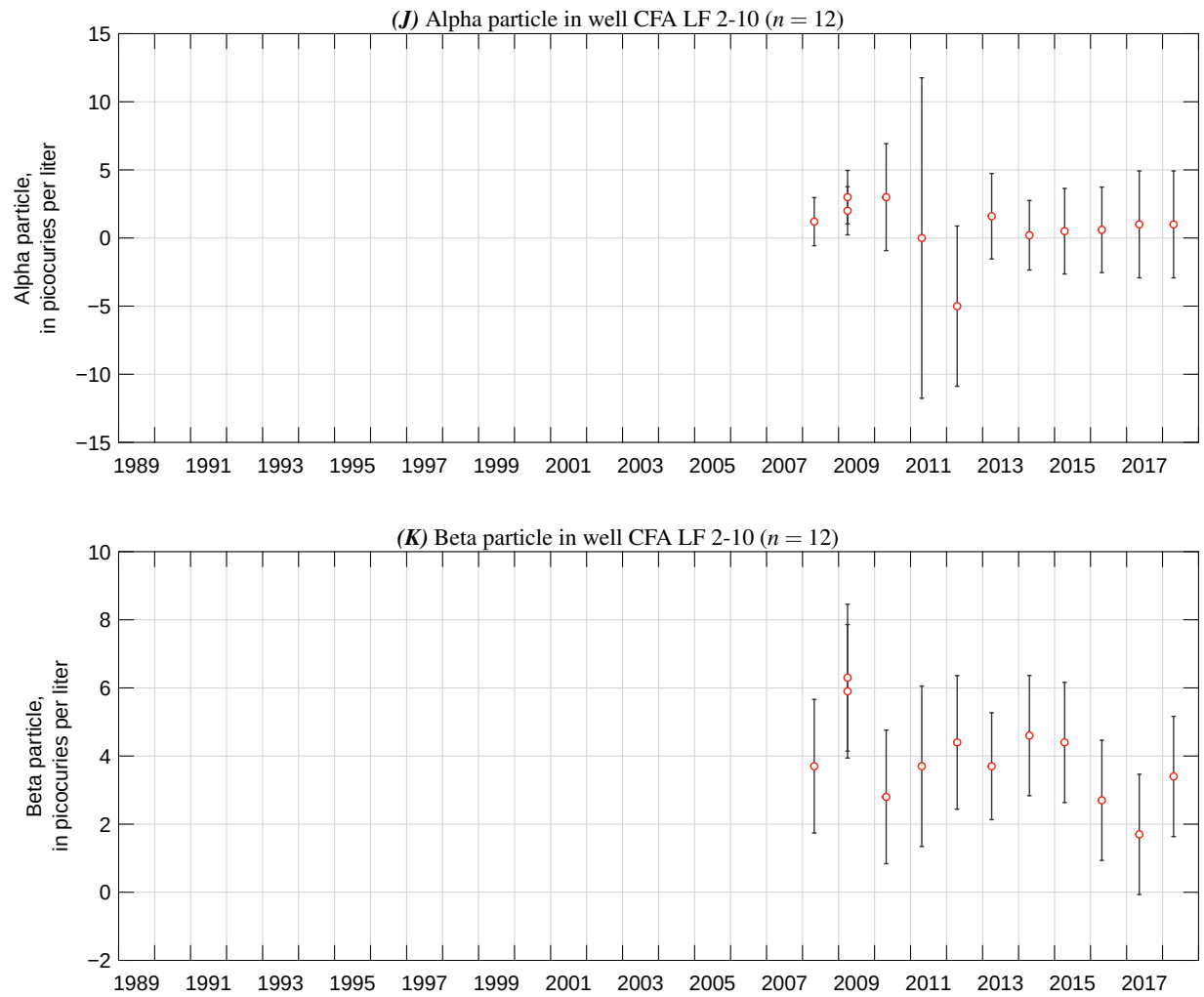


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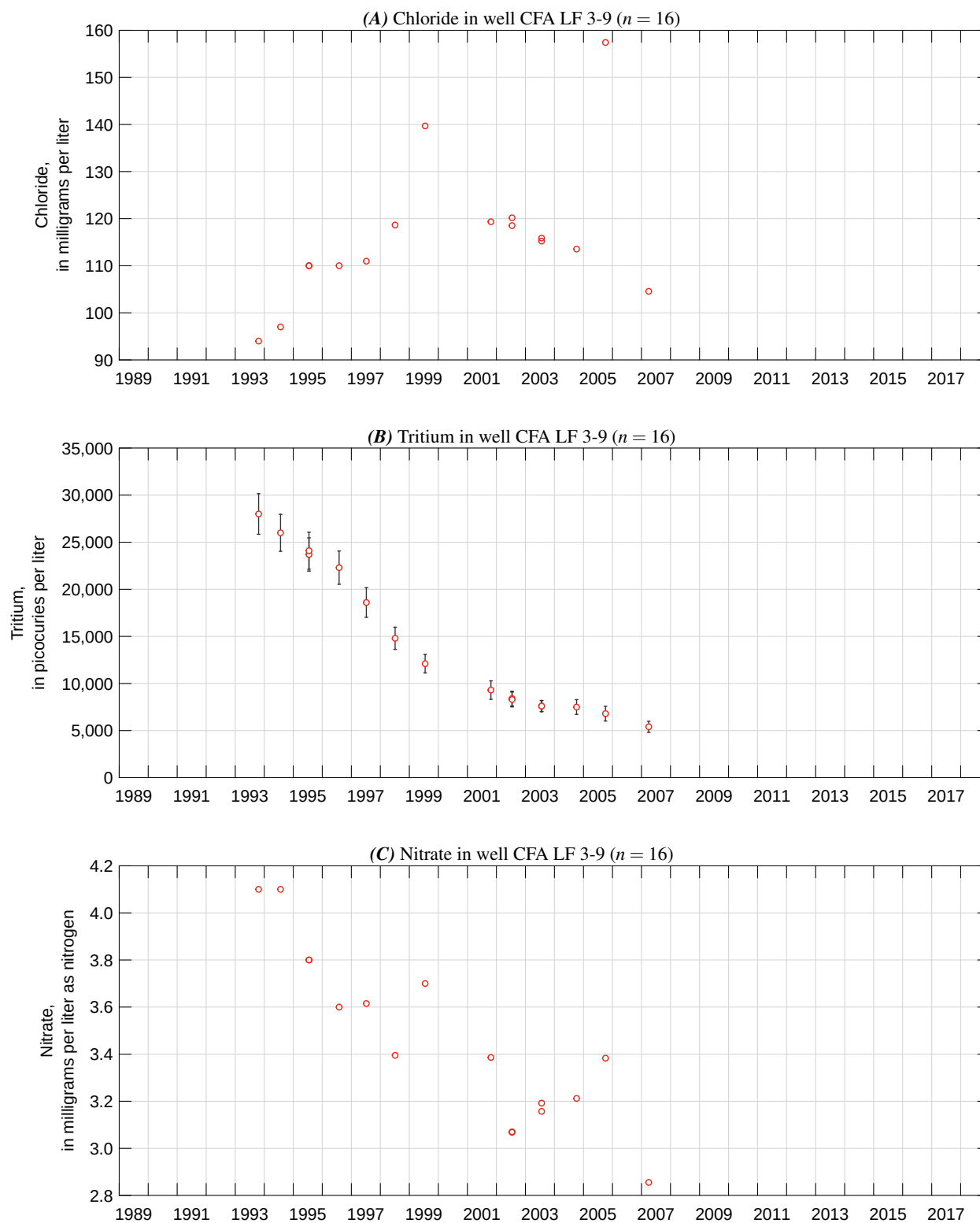
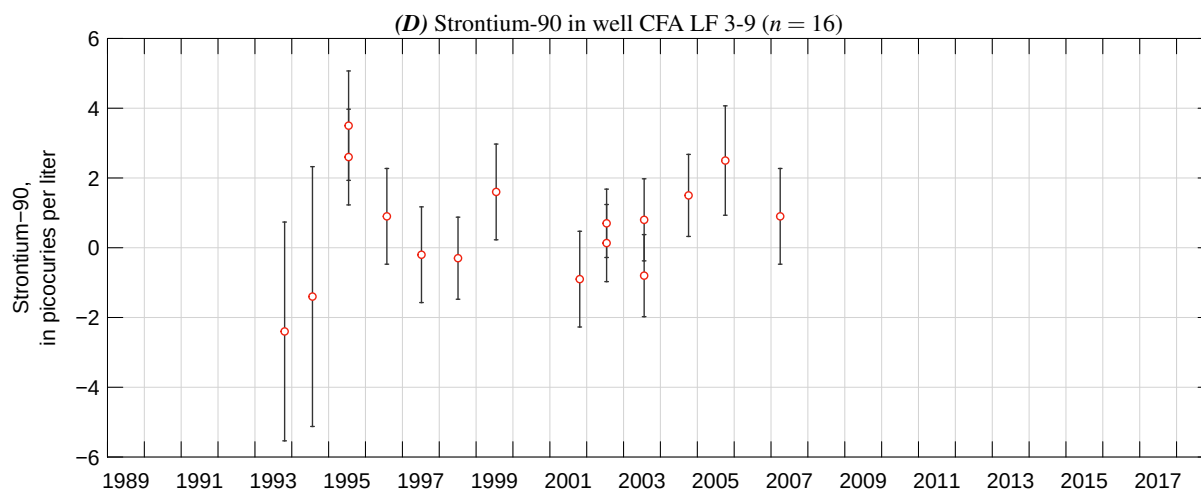


Figure 4.10. Time-series graphs of (A) chloride, (B) tritium, (C) nitrate, and (D) strontium-90 concentrations in water collected from well CFA LF 3-9 (Site No. 433216112571001), Idaho National Laboratory, Idaho, 1989–2018.

**Figure 4.10.** —Continued

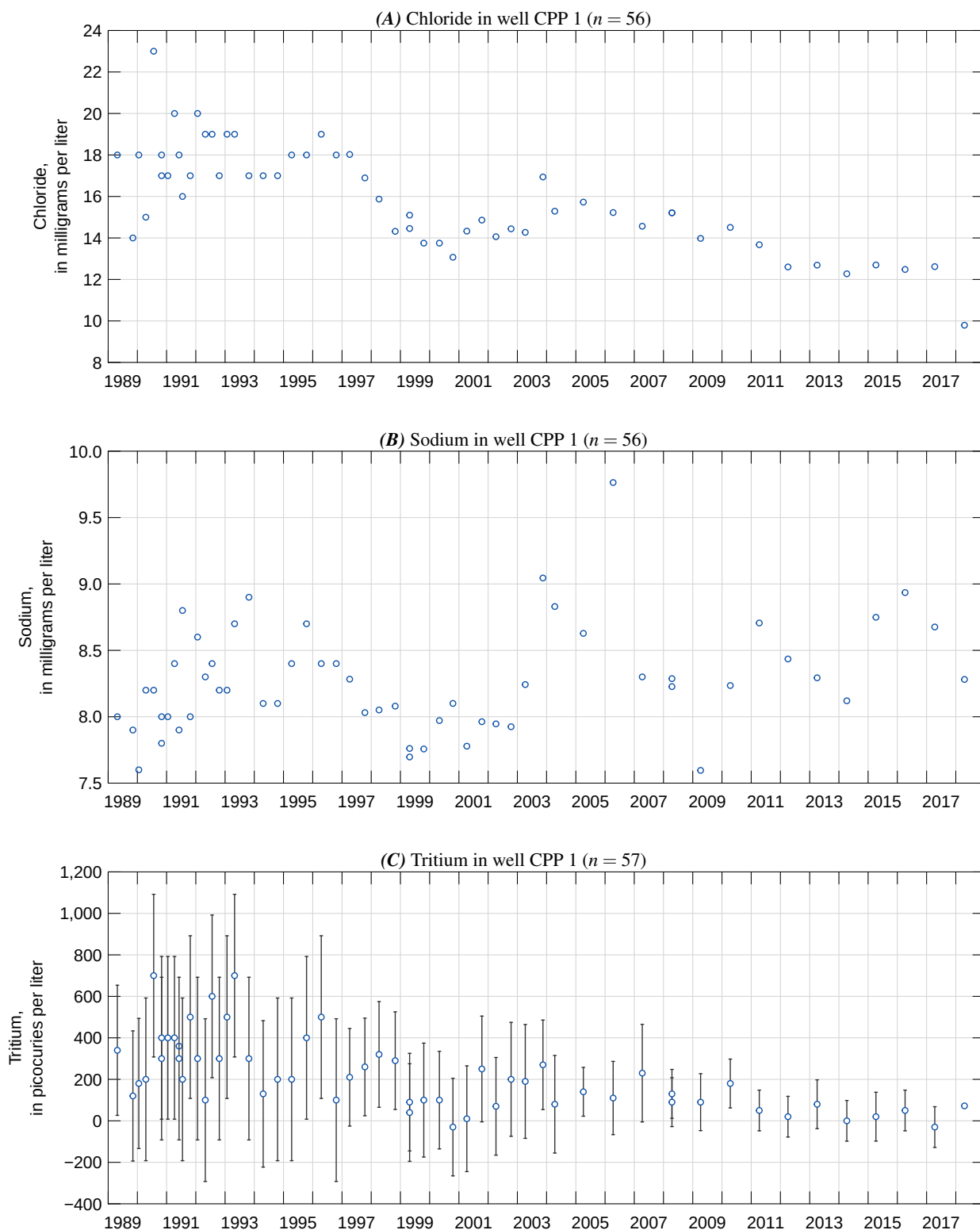


Figure 4.11. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, (R) plutonium-238, (S) alpha particle, and (T) beta particle concentrations in water collected from well CPP 1 (Site No. 433433112560201), Idaho National Laboratory, Idaho, 1989–2018.

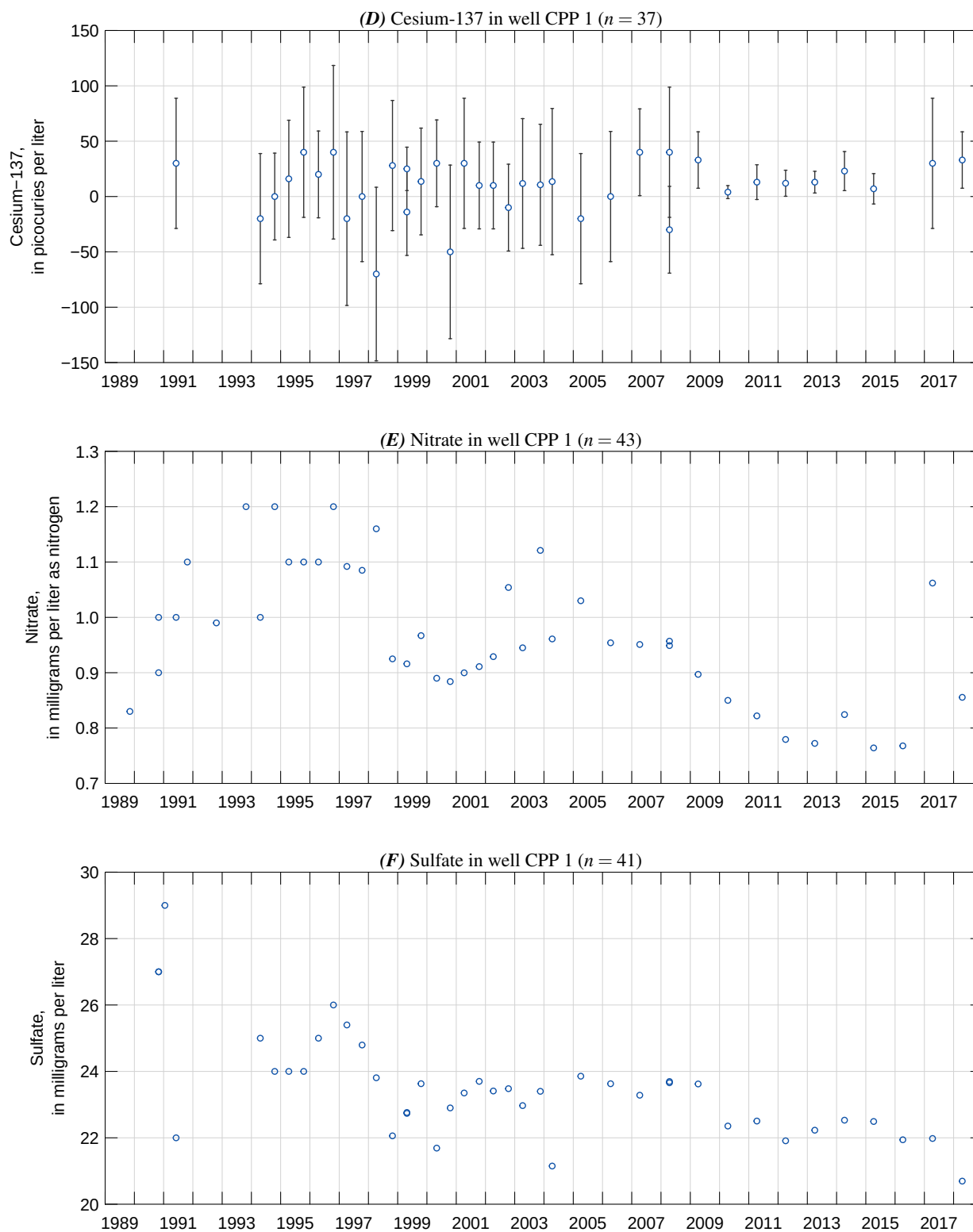


Figure 4.11. —Continued

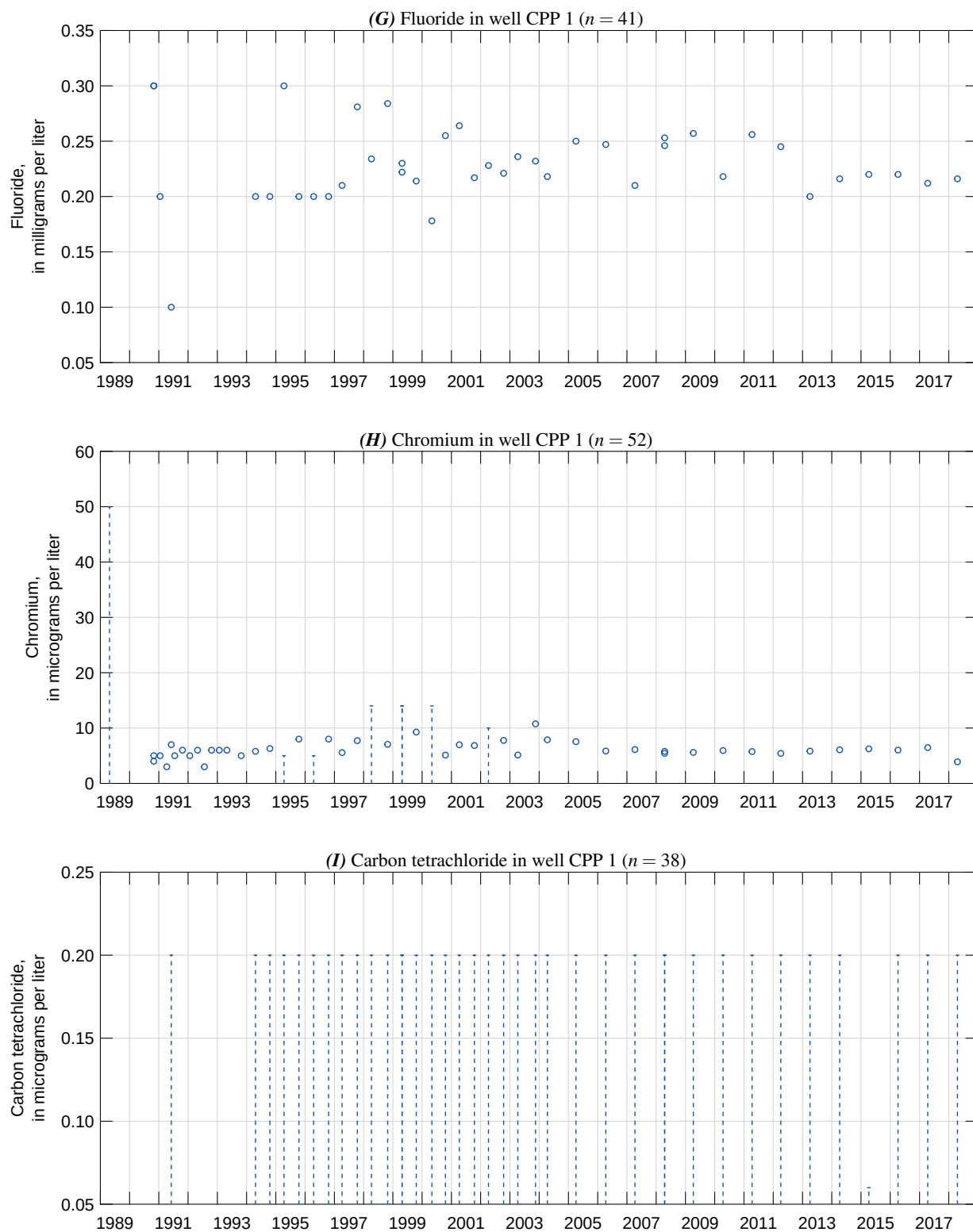


Figure 4.11. —Continued

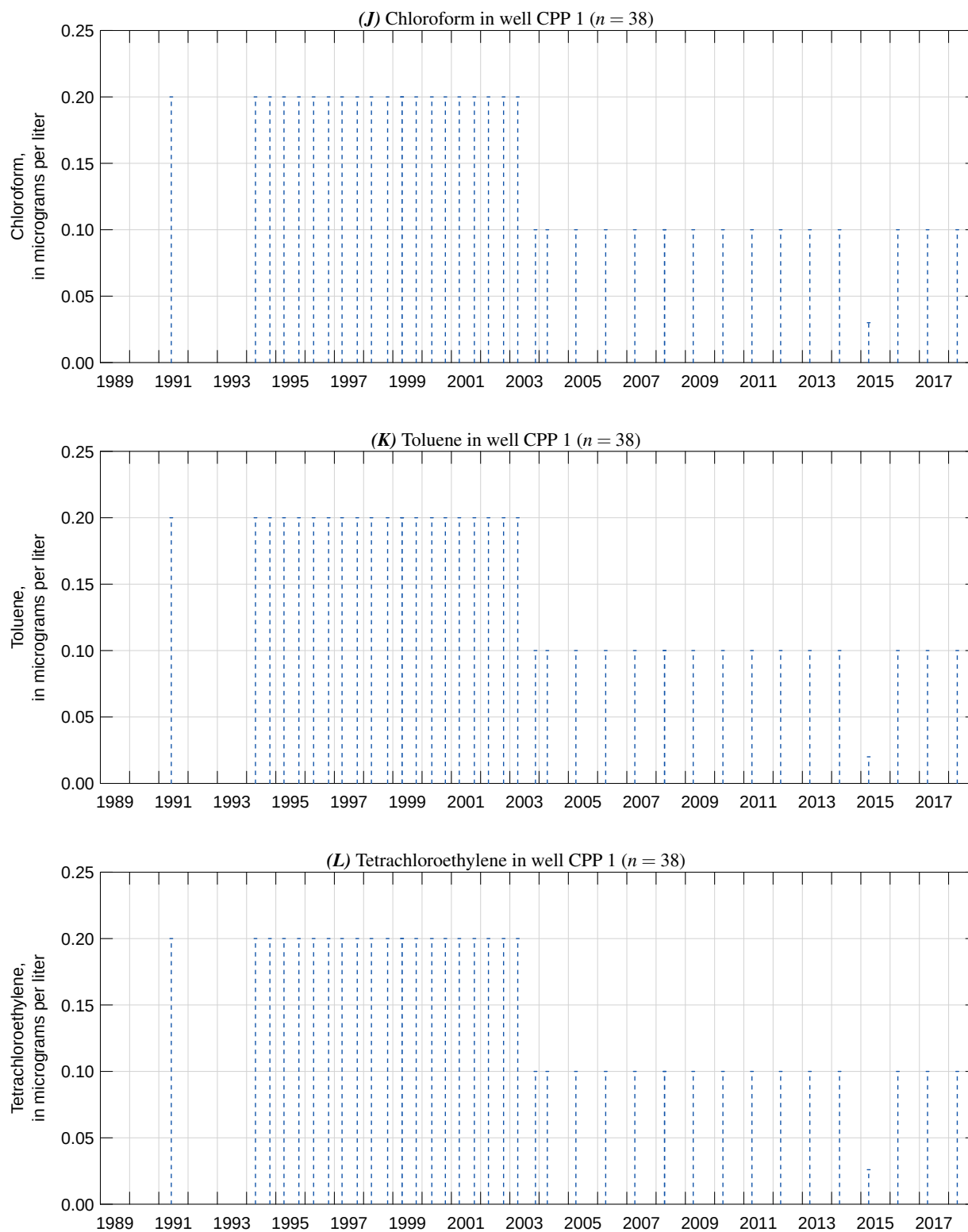


Figure 4.11. —Continued

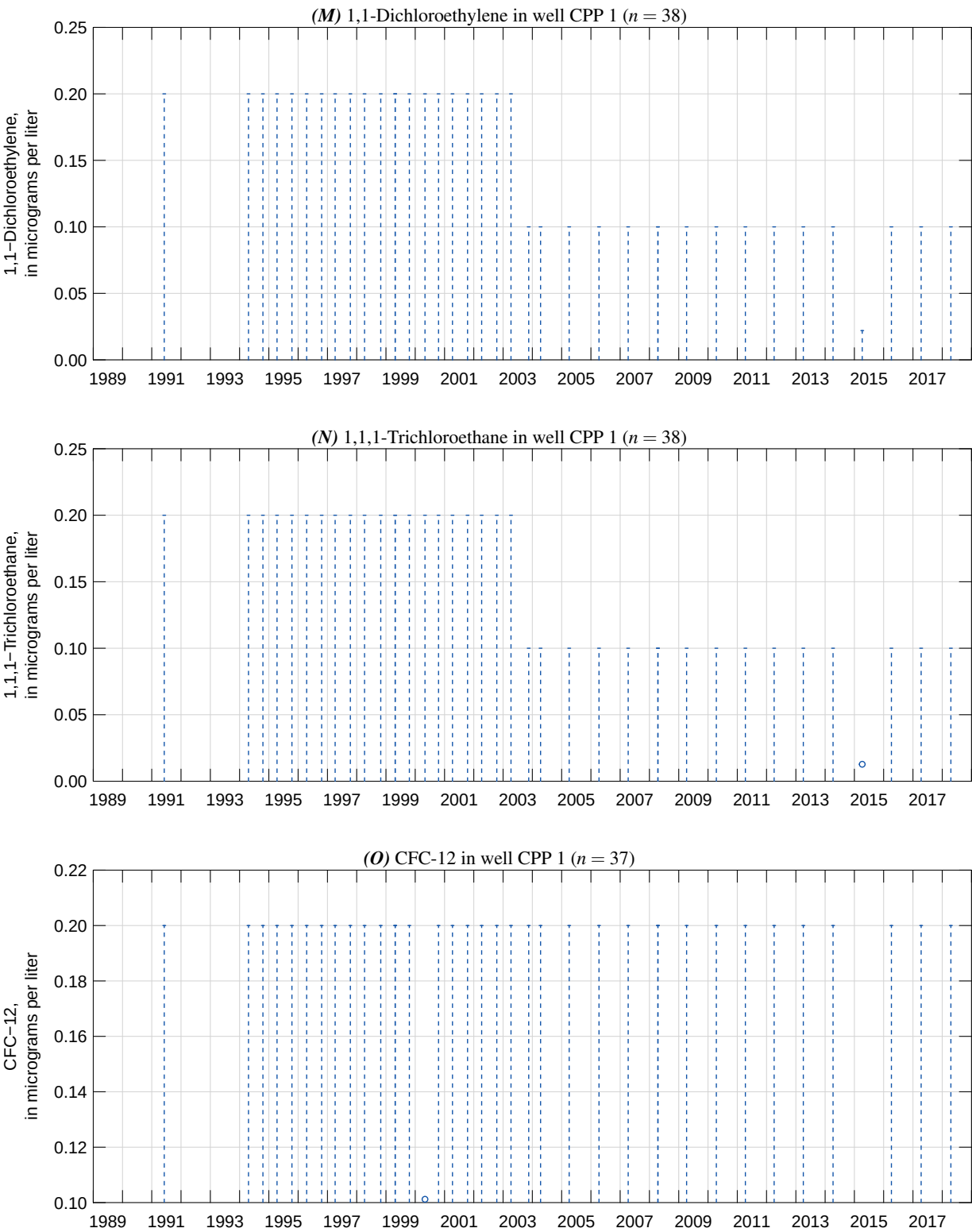


Figure 4.11. —Continued

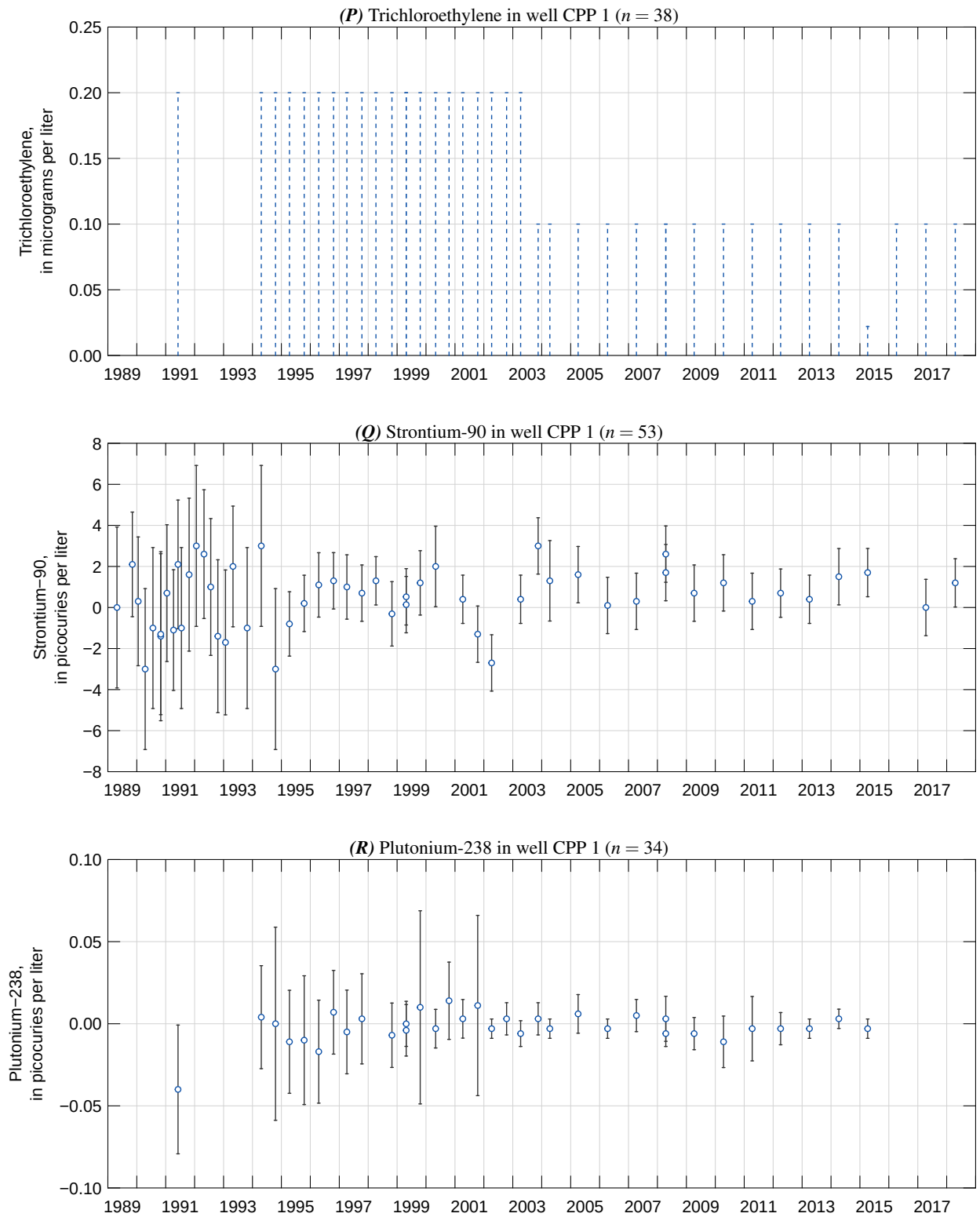


Figure 4.11. —Continued

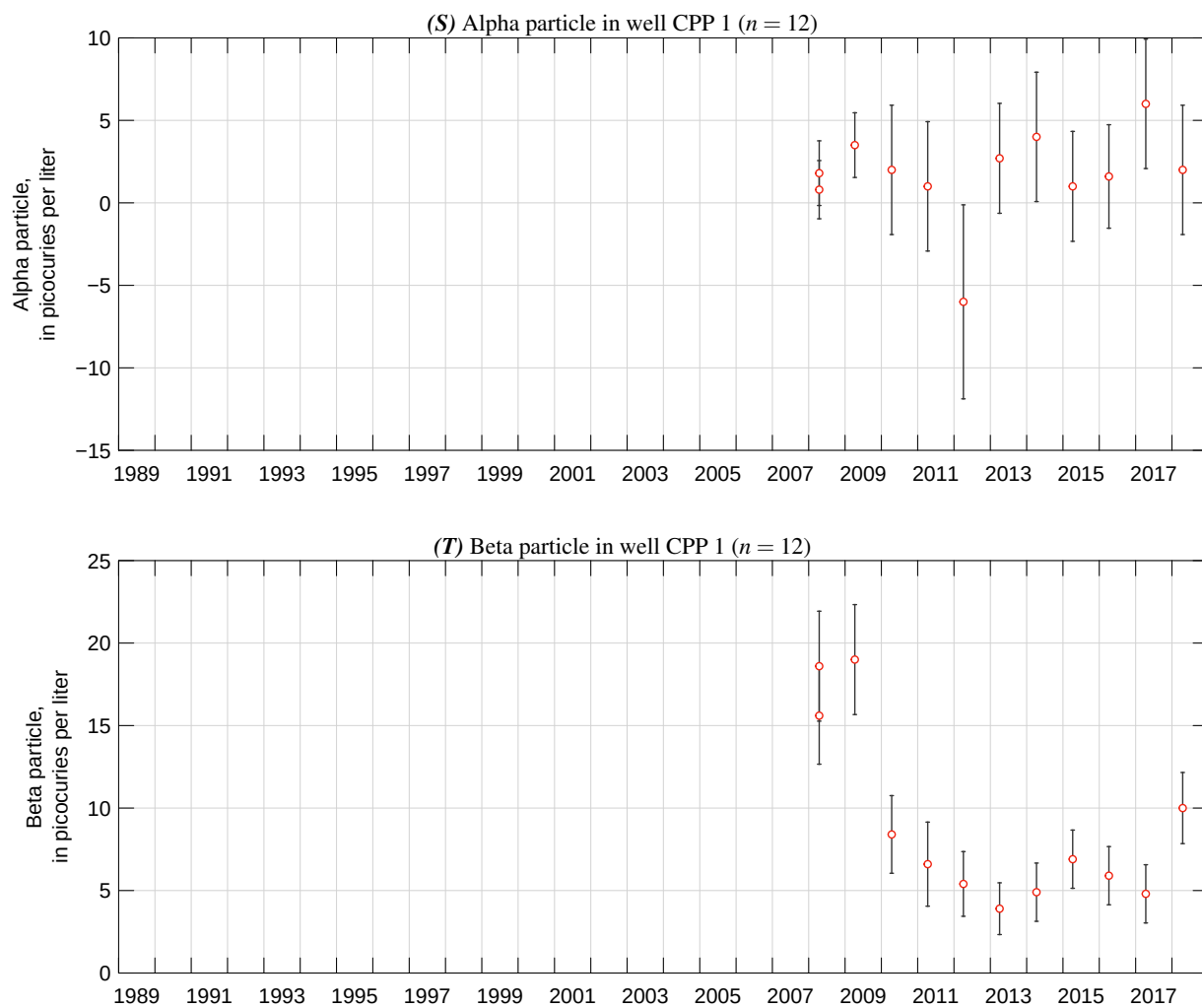


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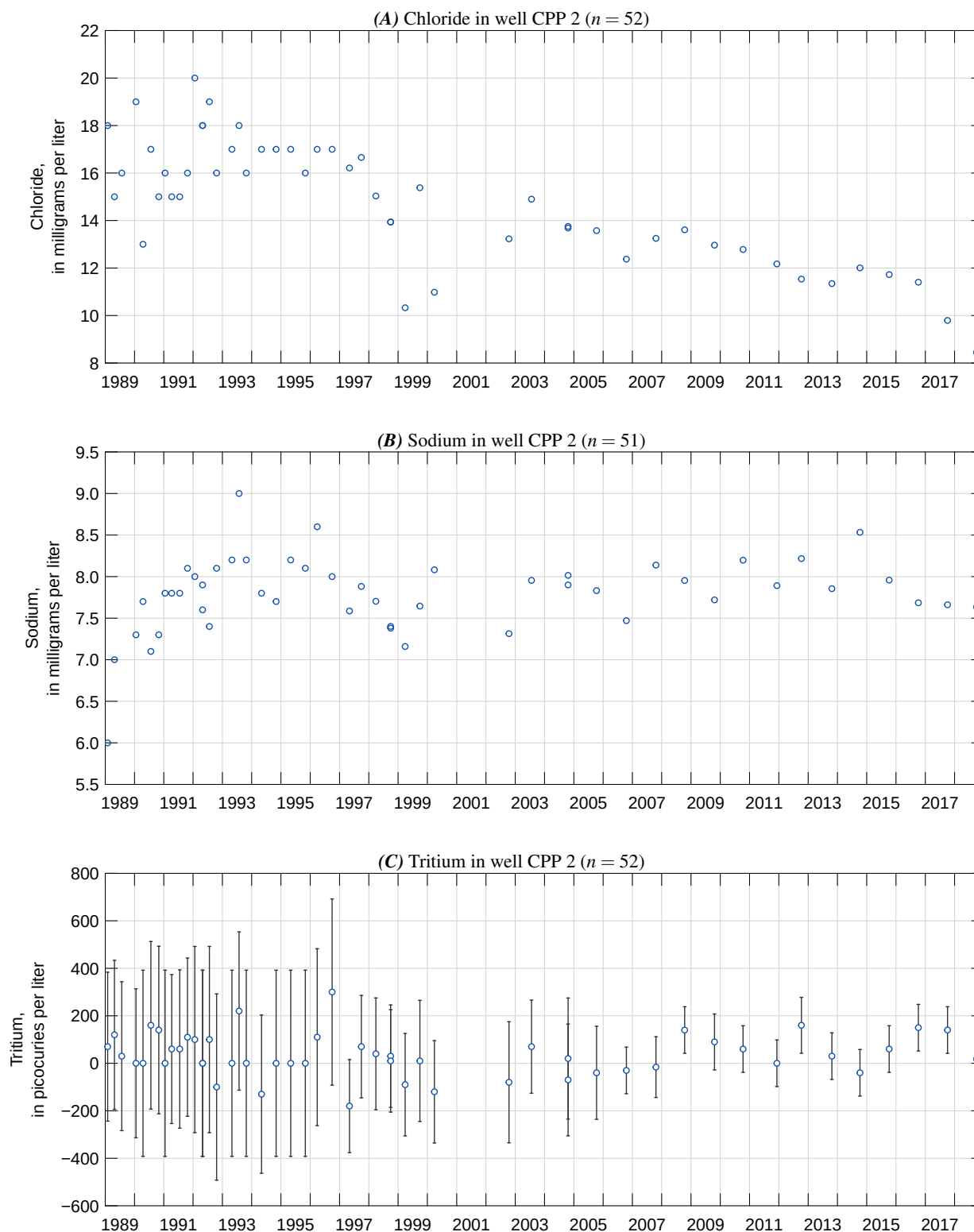


Figure 4.12. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, and (R) plutonium-238 concentrations in water collected from well CPP 2 (Site No. 433432112560801), Idaho National Laboratory, Idaho, 1989–2018.

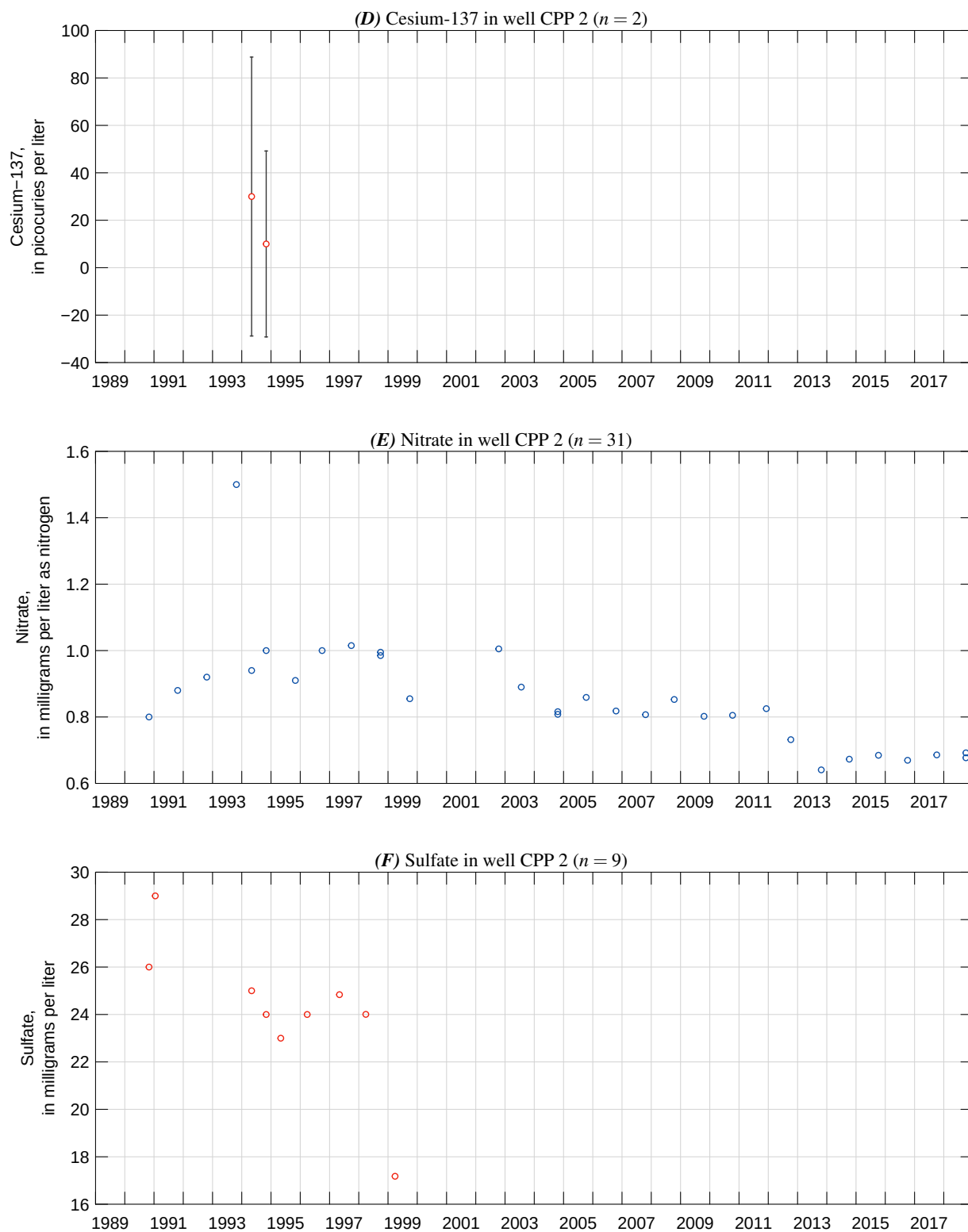


Figure 4.12. —Continued

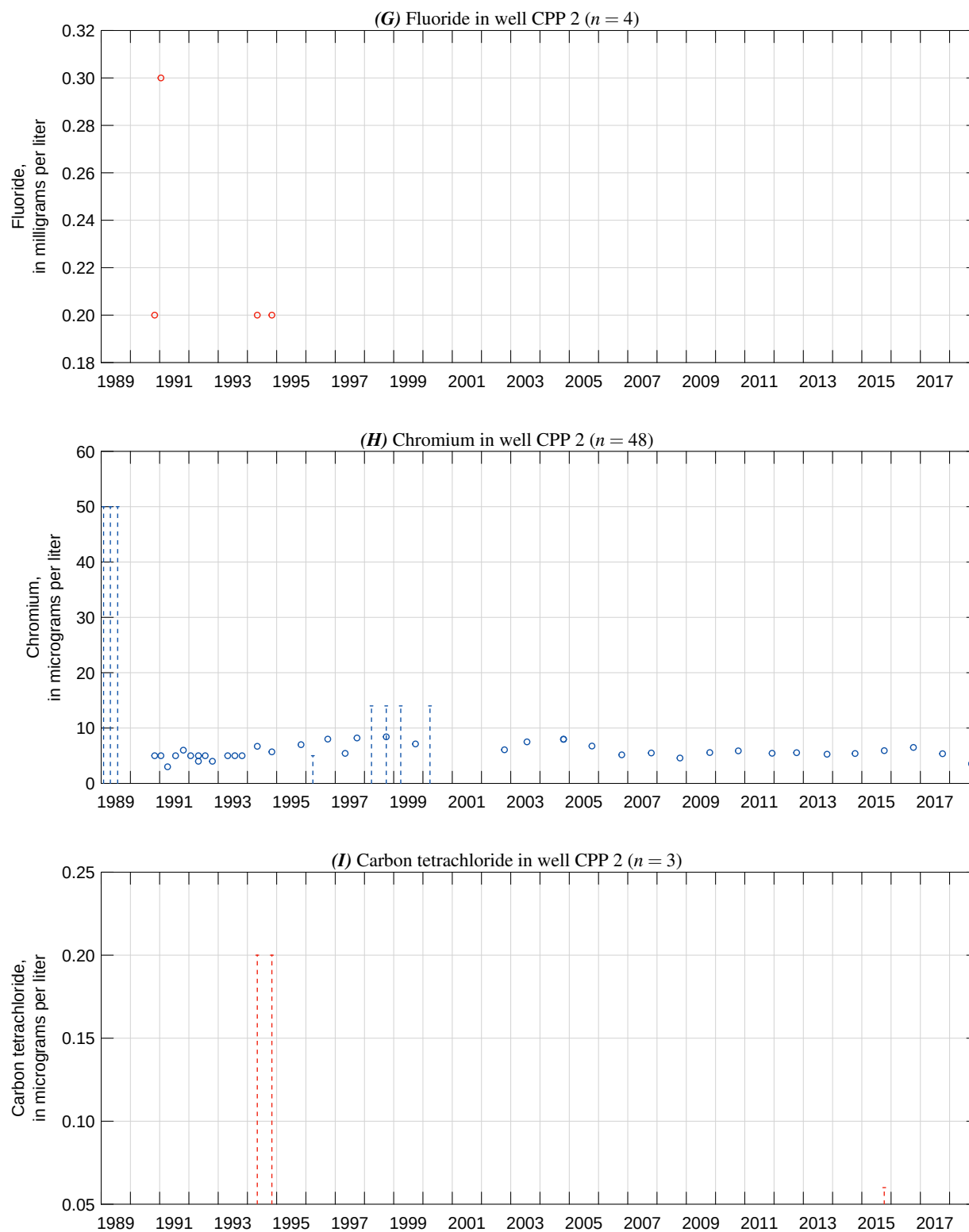


Figure 4.12. —Continued

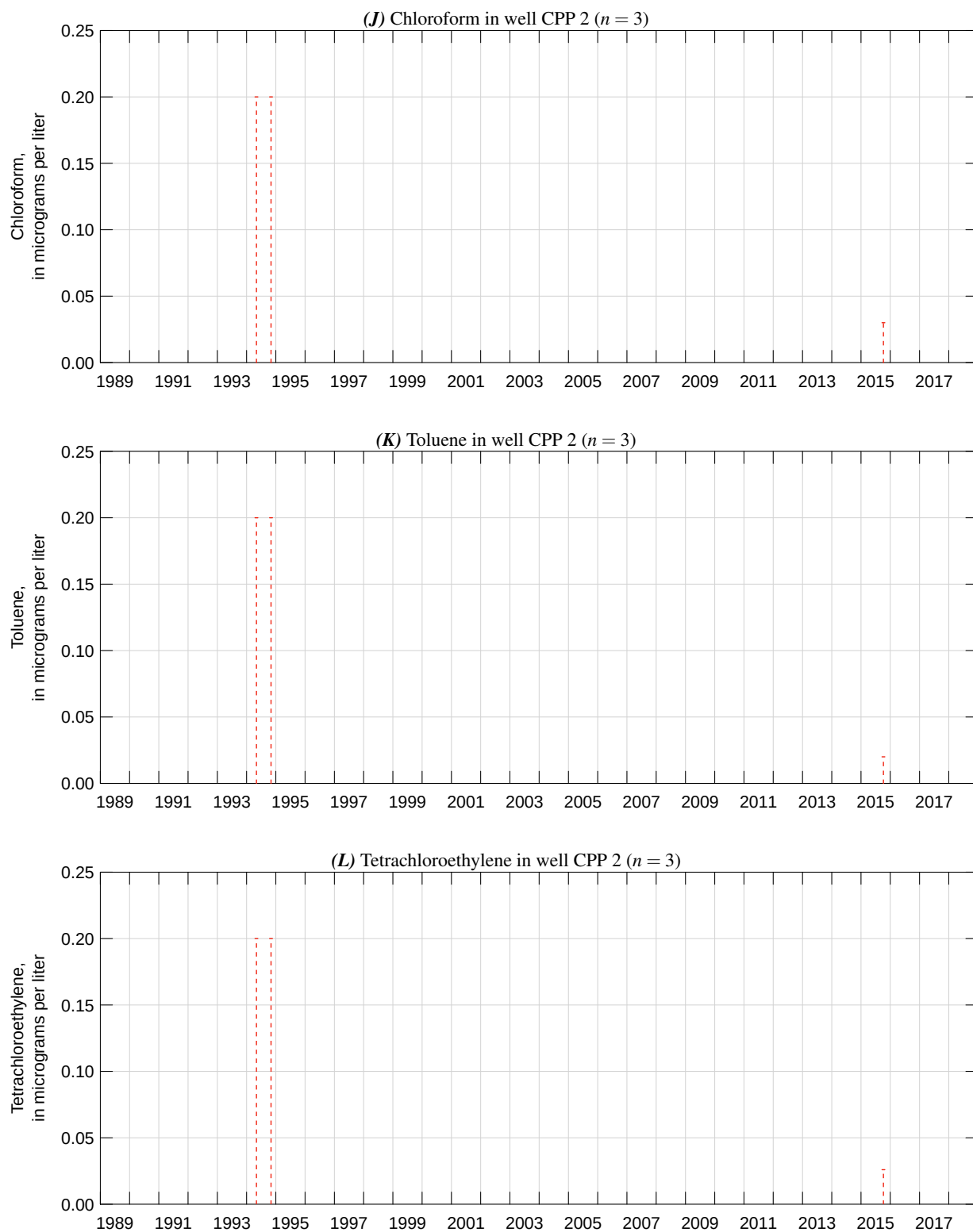


Figure 4.12. —Continued

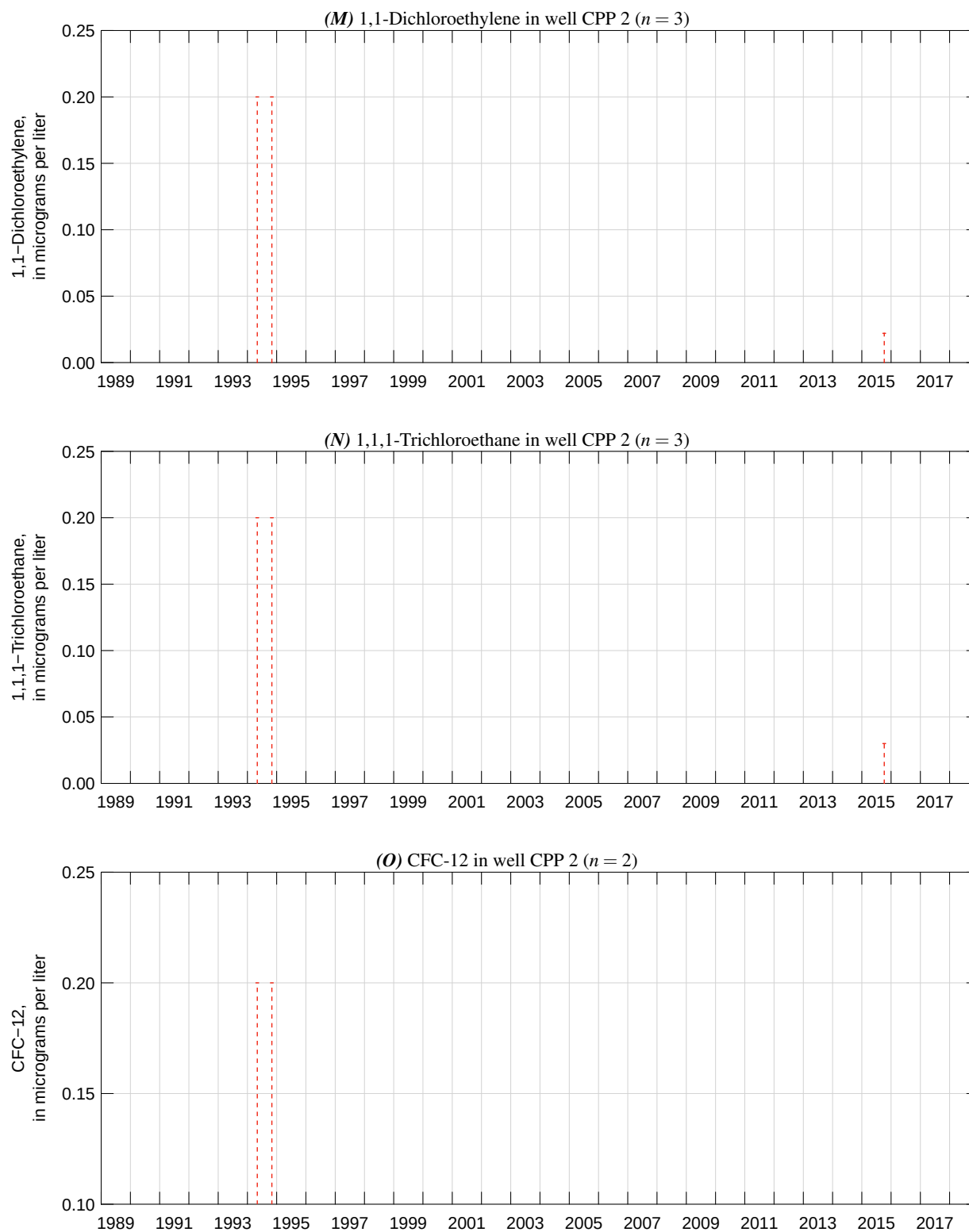


Figure 4.12. —Continued

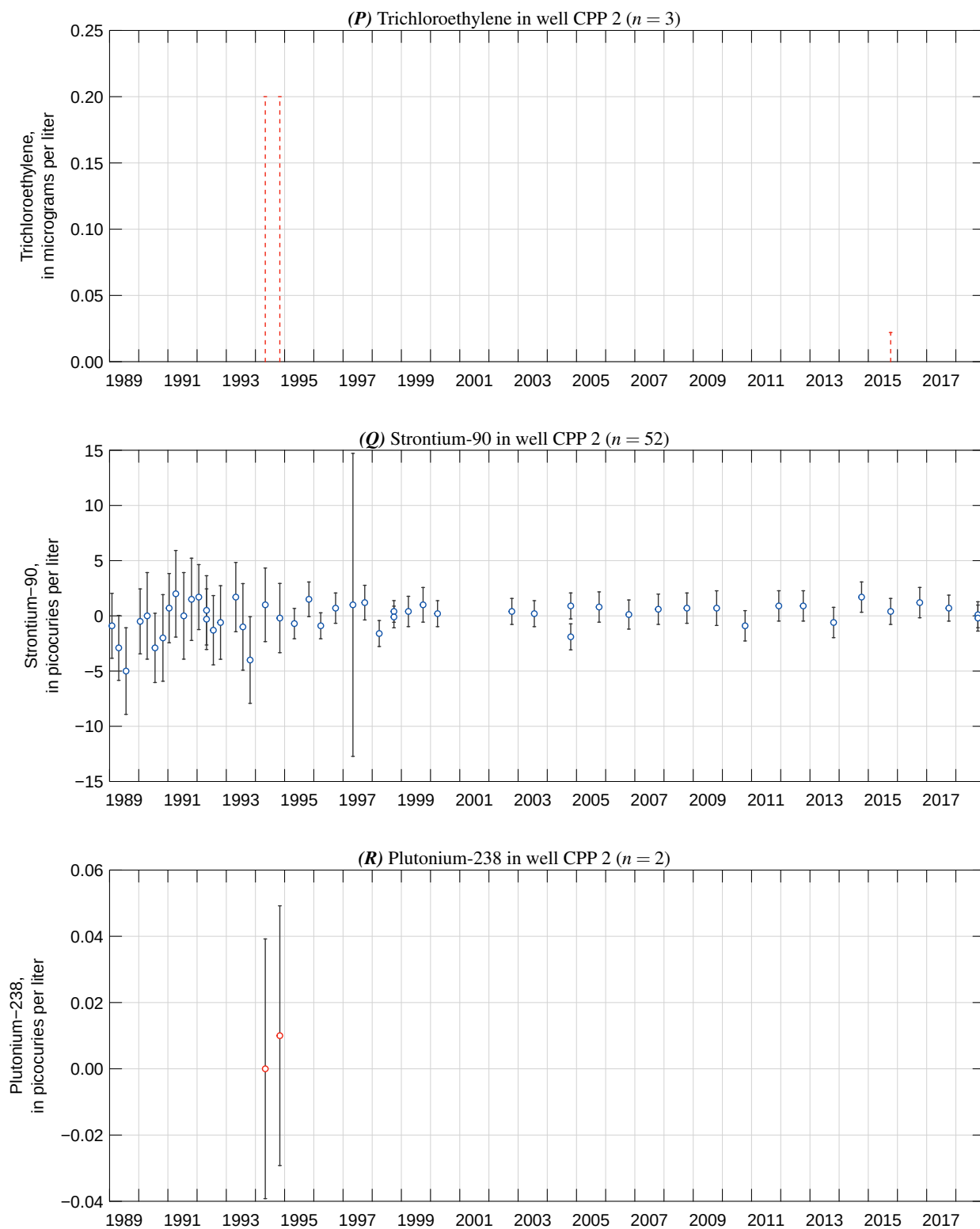


Figure 4.12. —Continued

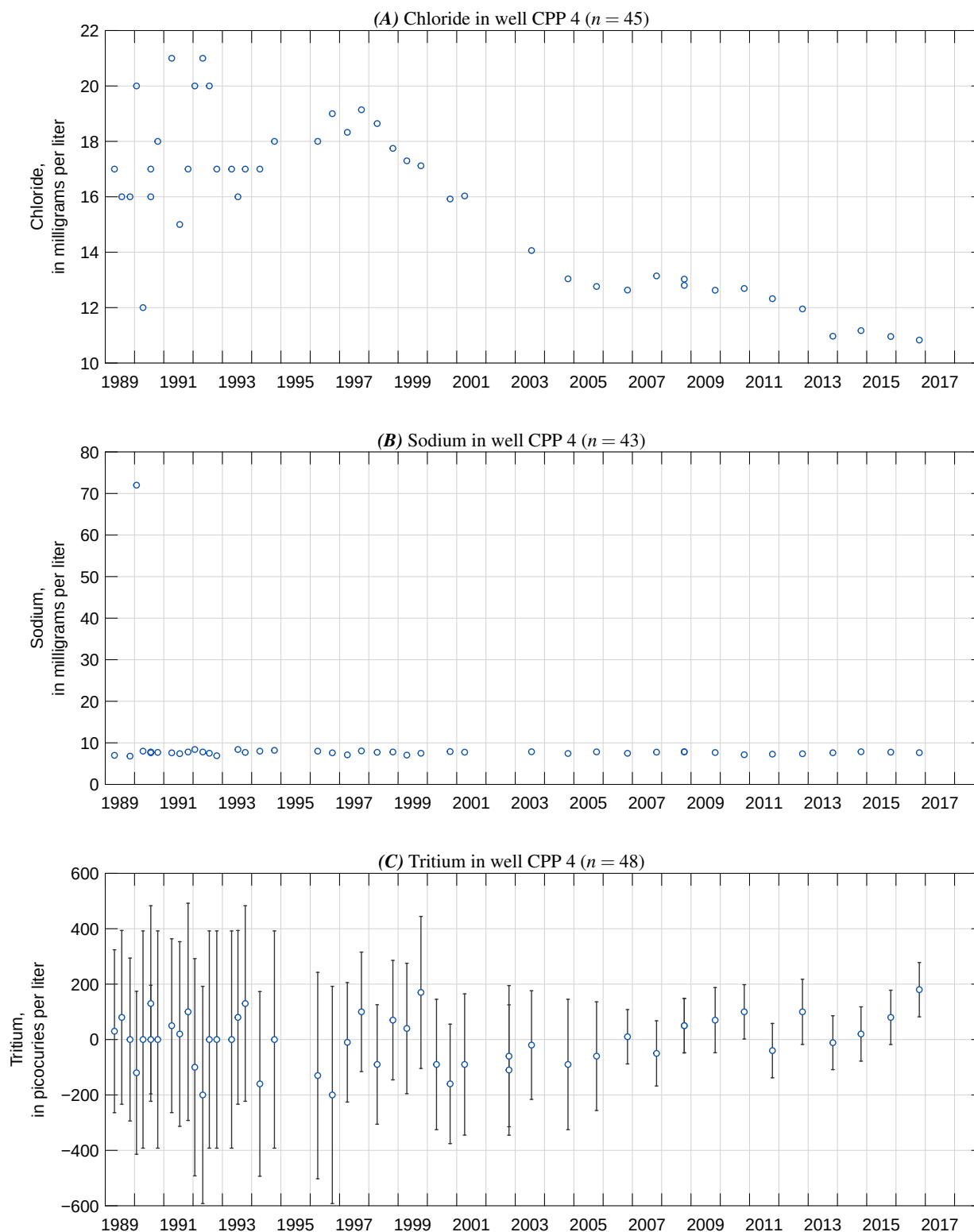


Figure 4.13. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, and (R) plutonium-238 concentrations in water collected from well CPP 4 (Site No. 433440112554401), Idaho National Laboratory, Idaho, 1989–2018.

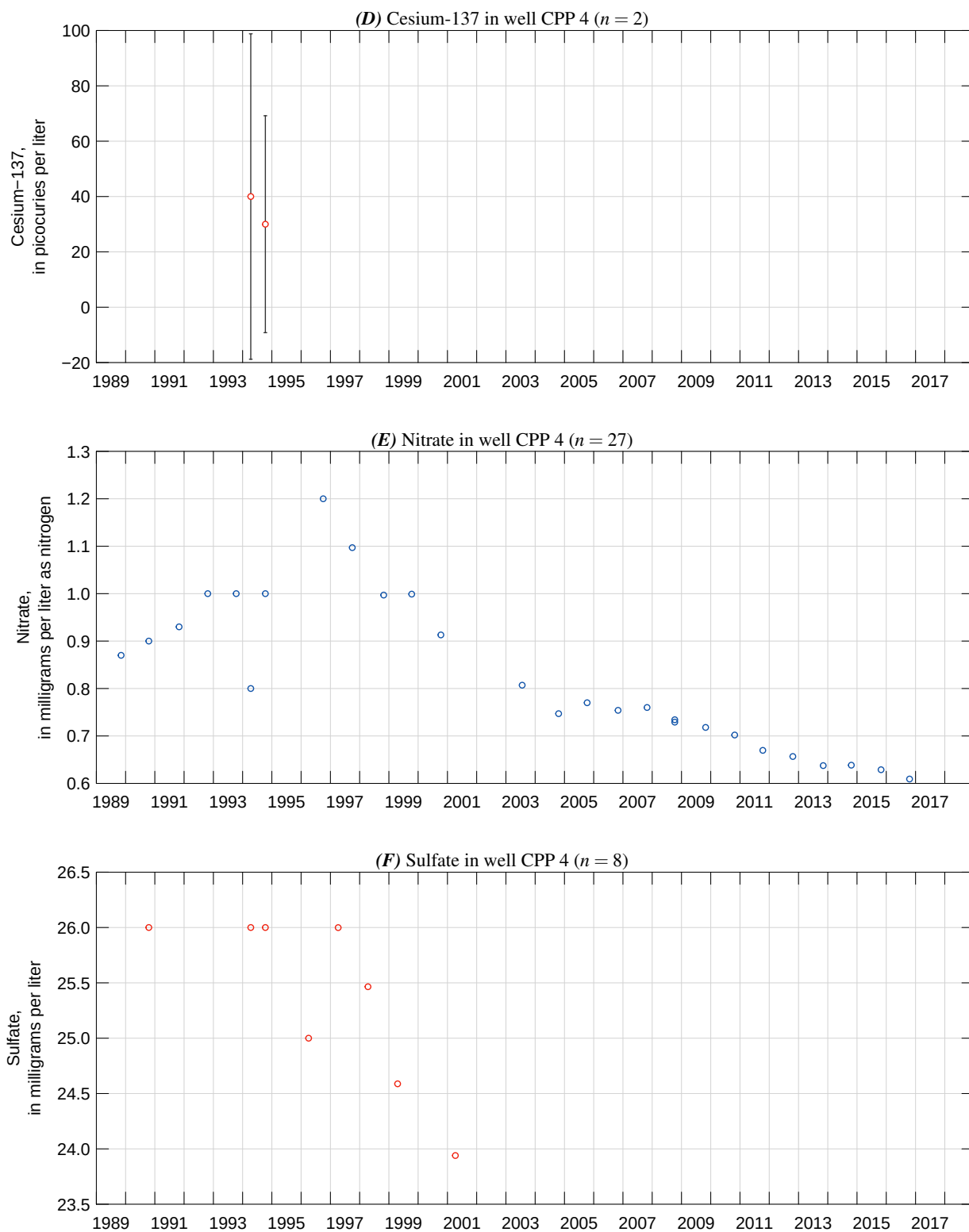


Figure 4.13. —Continued

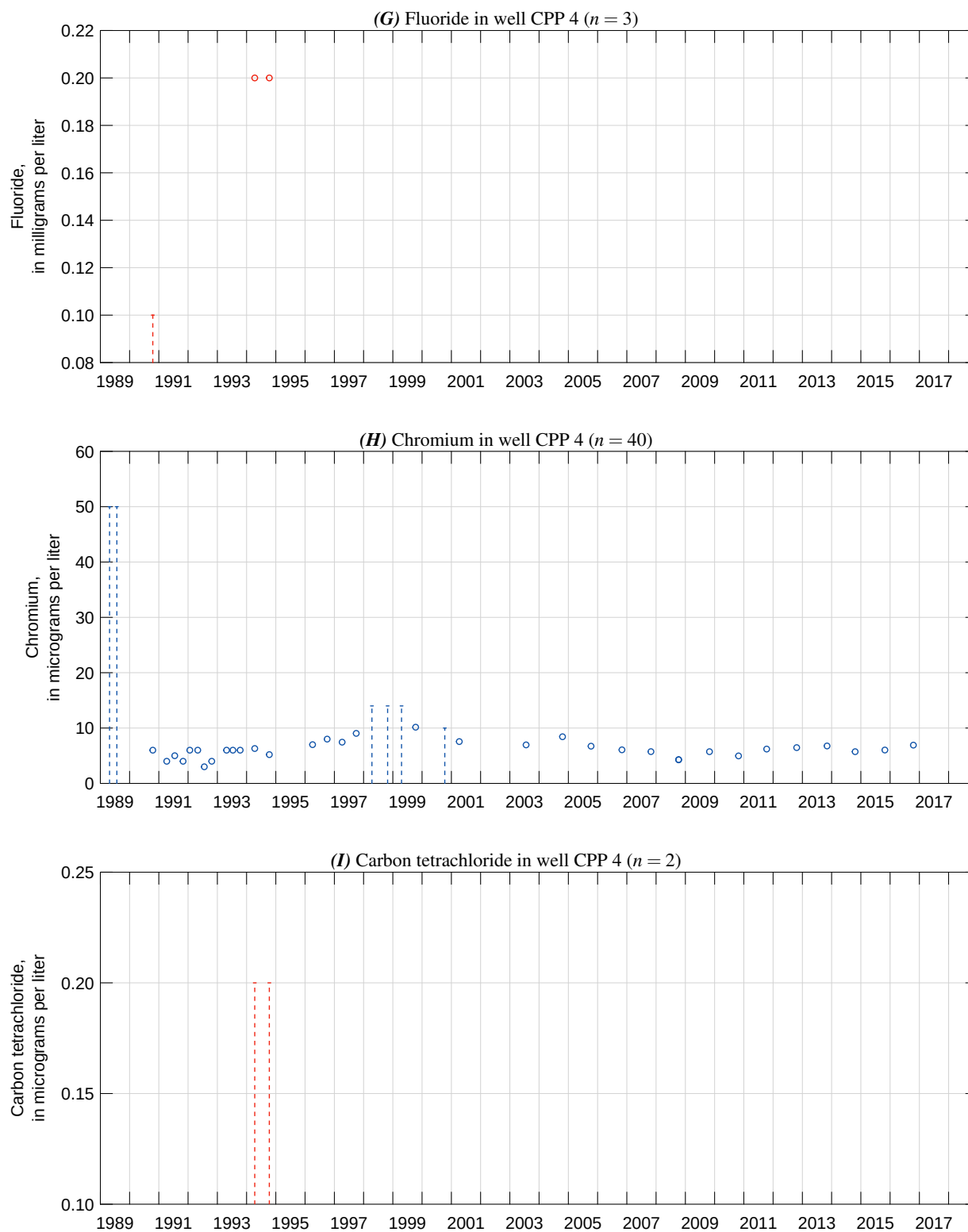


Figure 4.13. —Continued

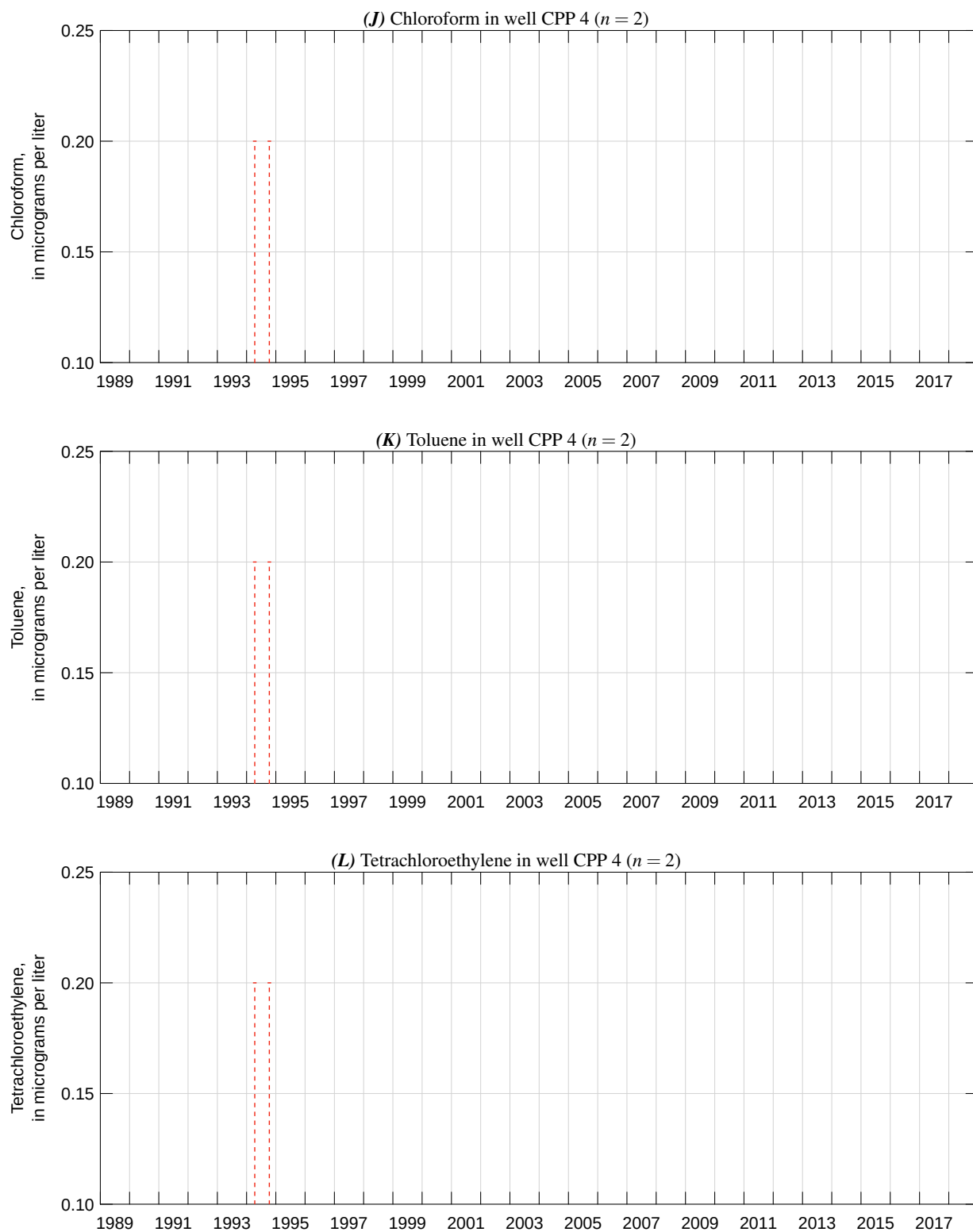


Figure 4.13. —Continued

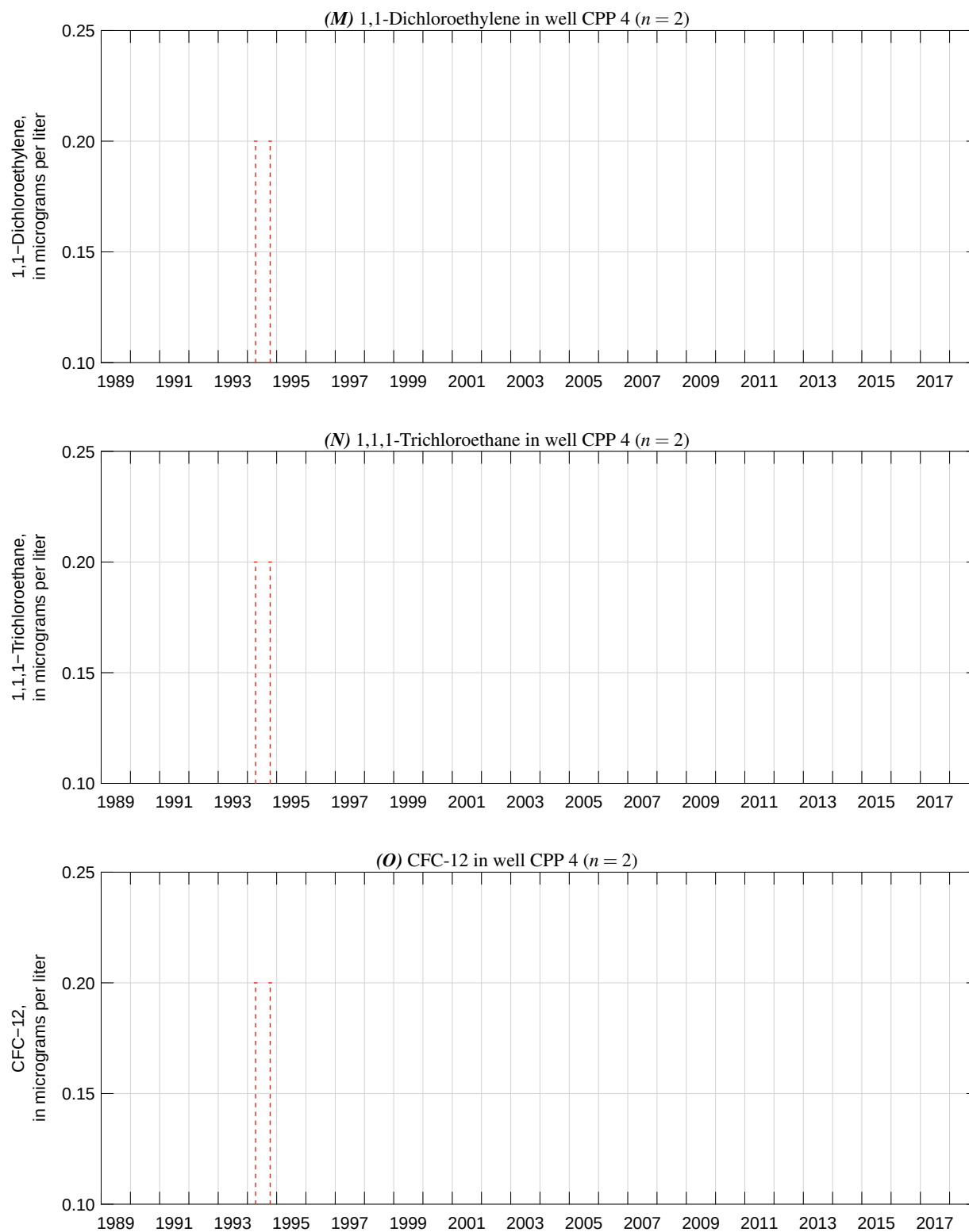
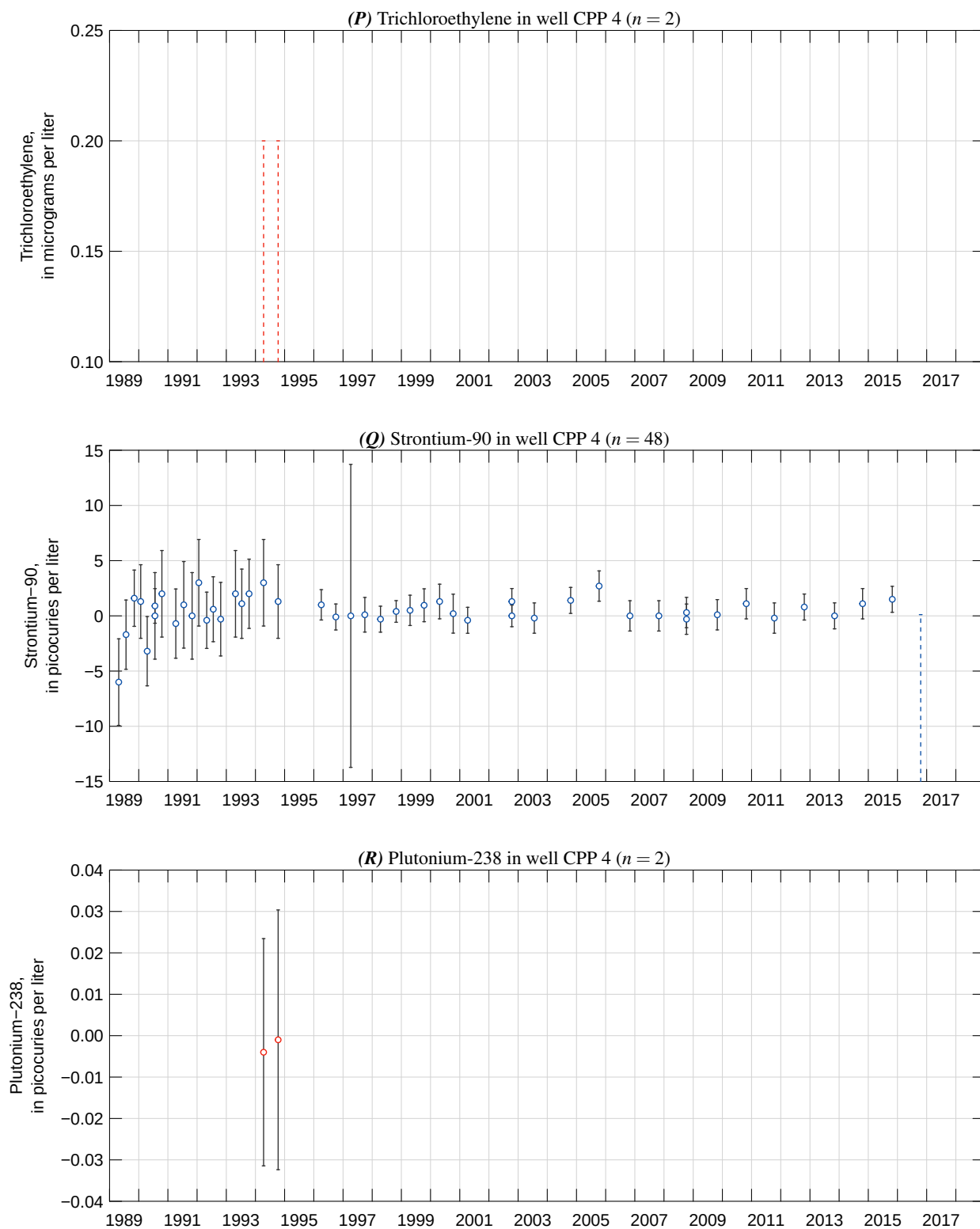


Figure 4.13. —Continued



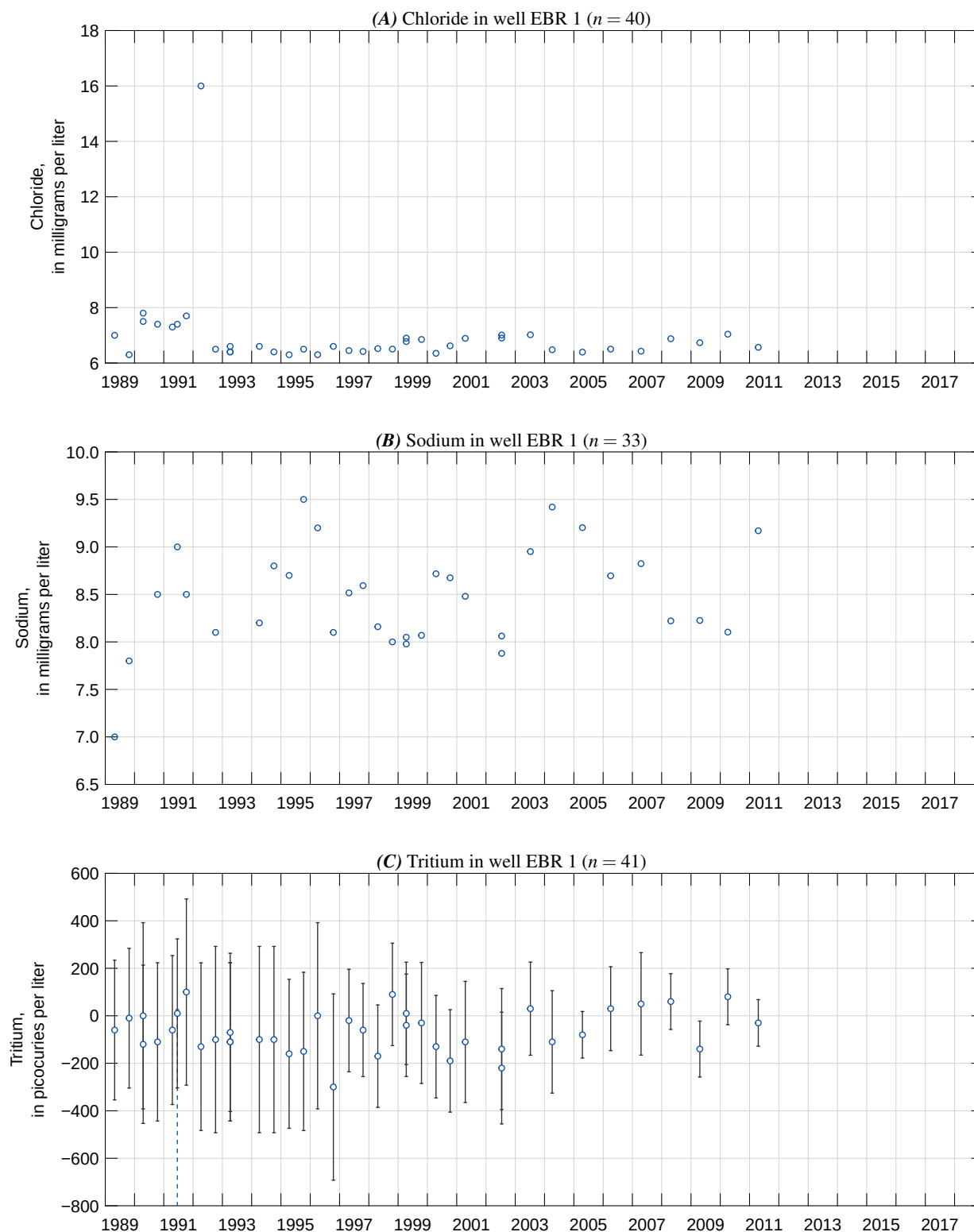


Figure 4.14. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, (R) plutonium-238, (S) alpha particle, and (T) beta particle concentrations in water collected from well EBR 1 (Site No. 433051113002601), Idaho National Laboratory, Idaho, 1989–2018.

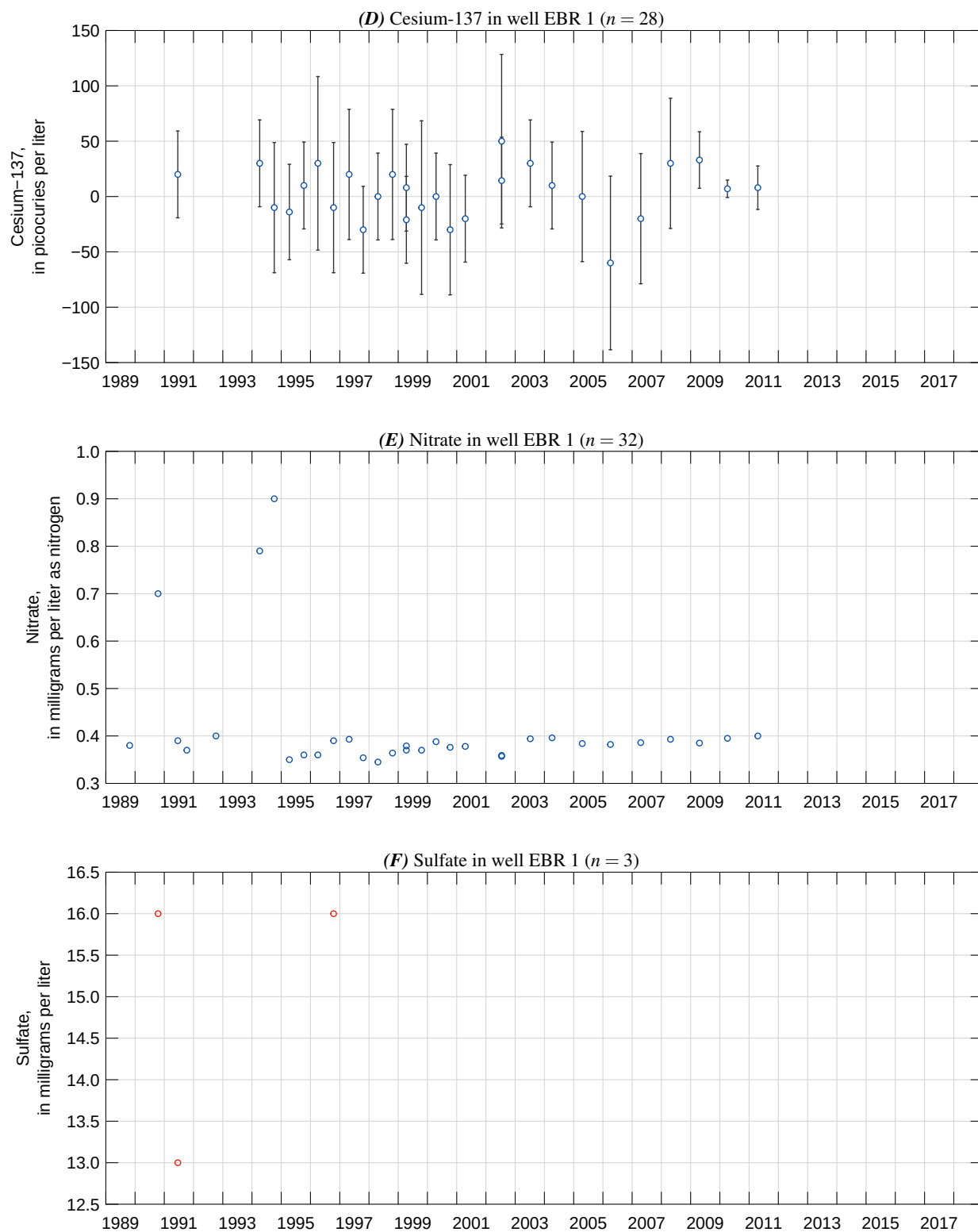


Figure 4.14. —Continued

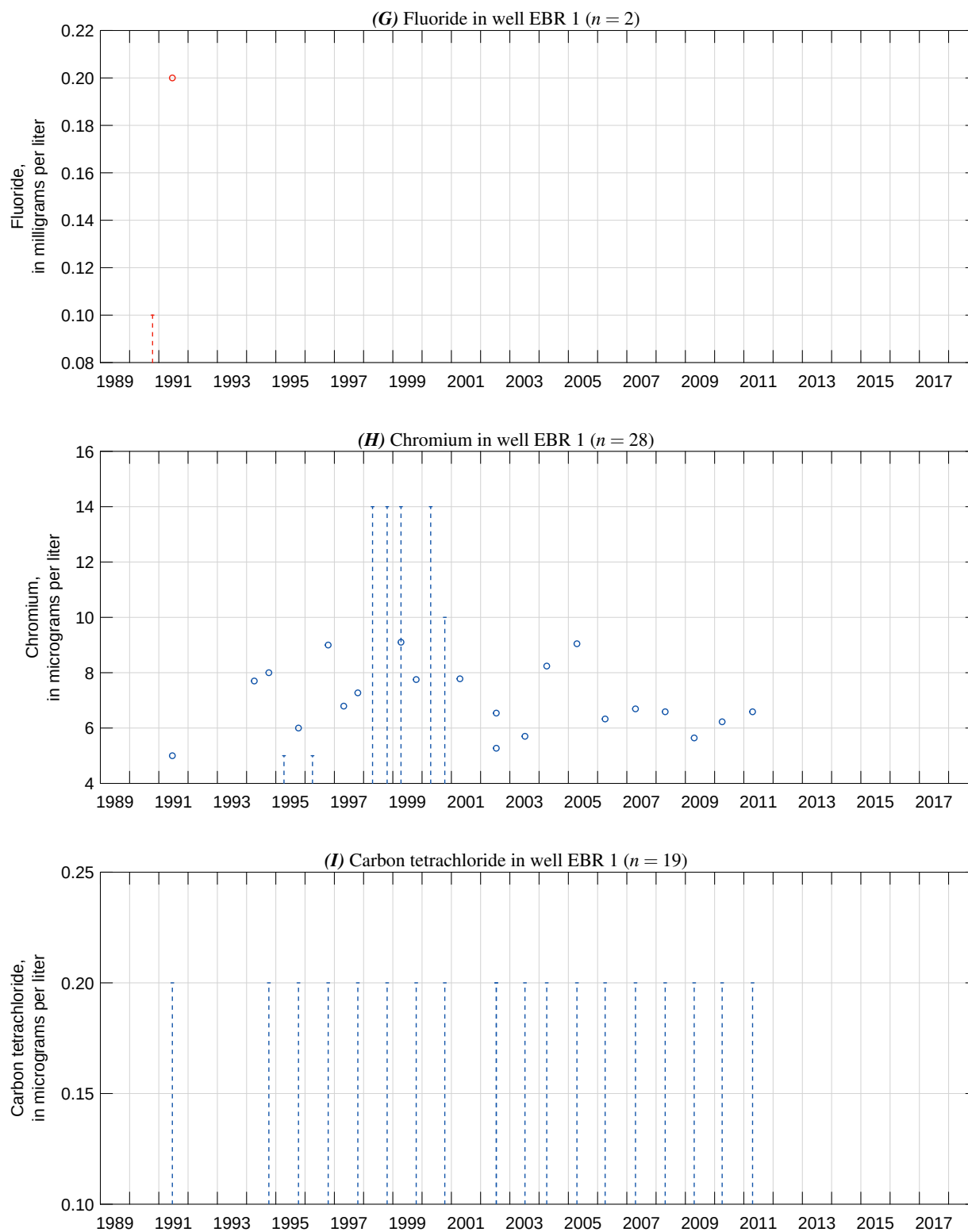


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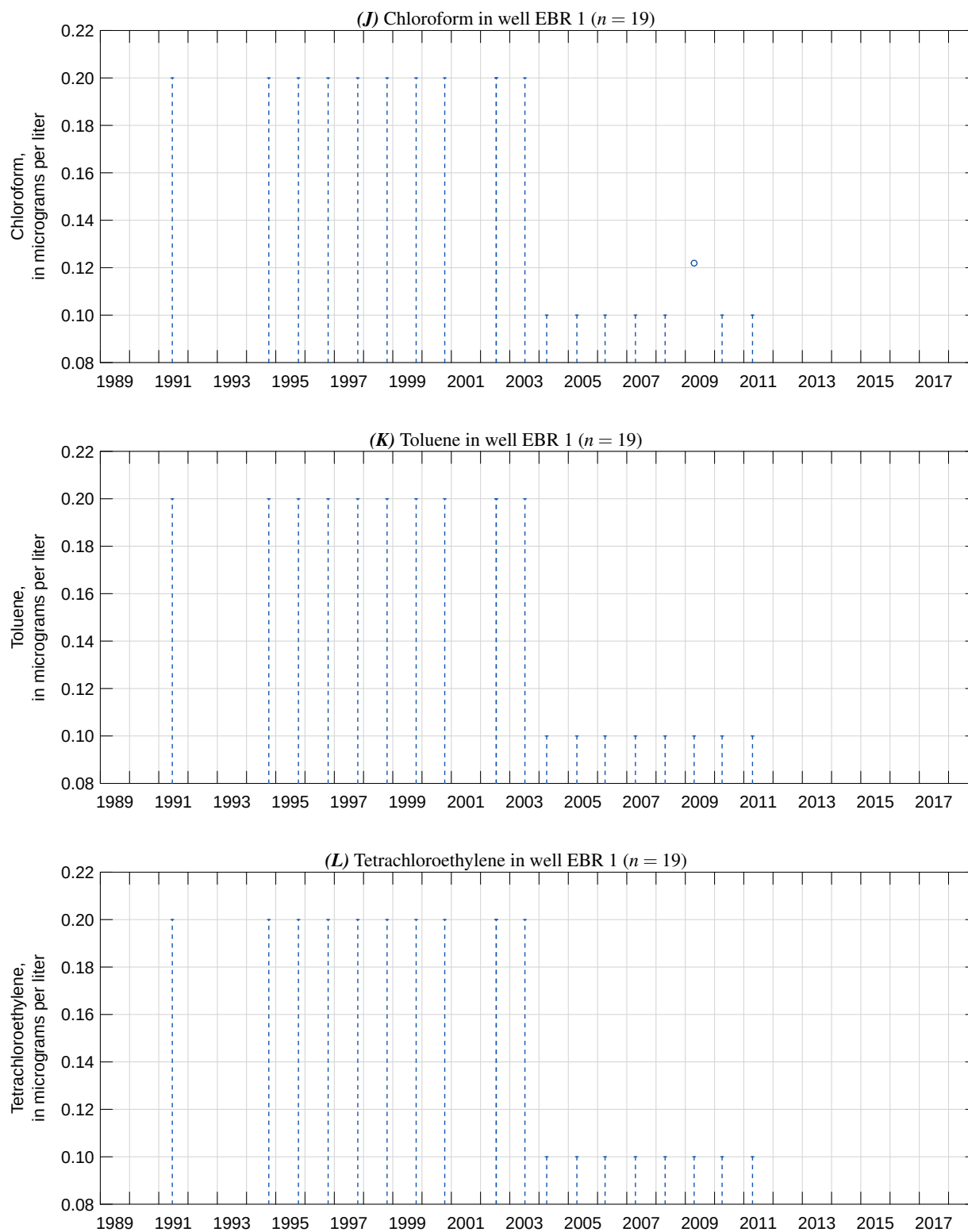


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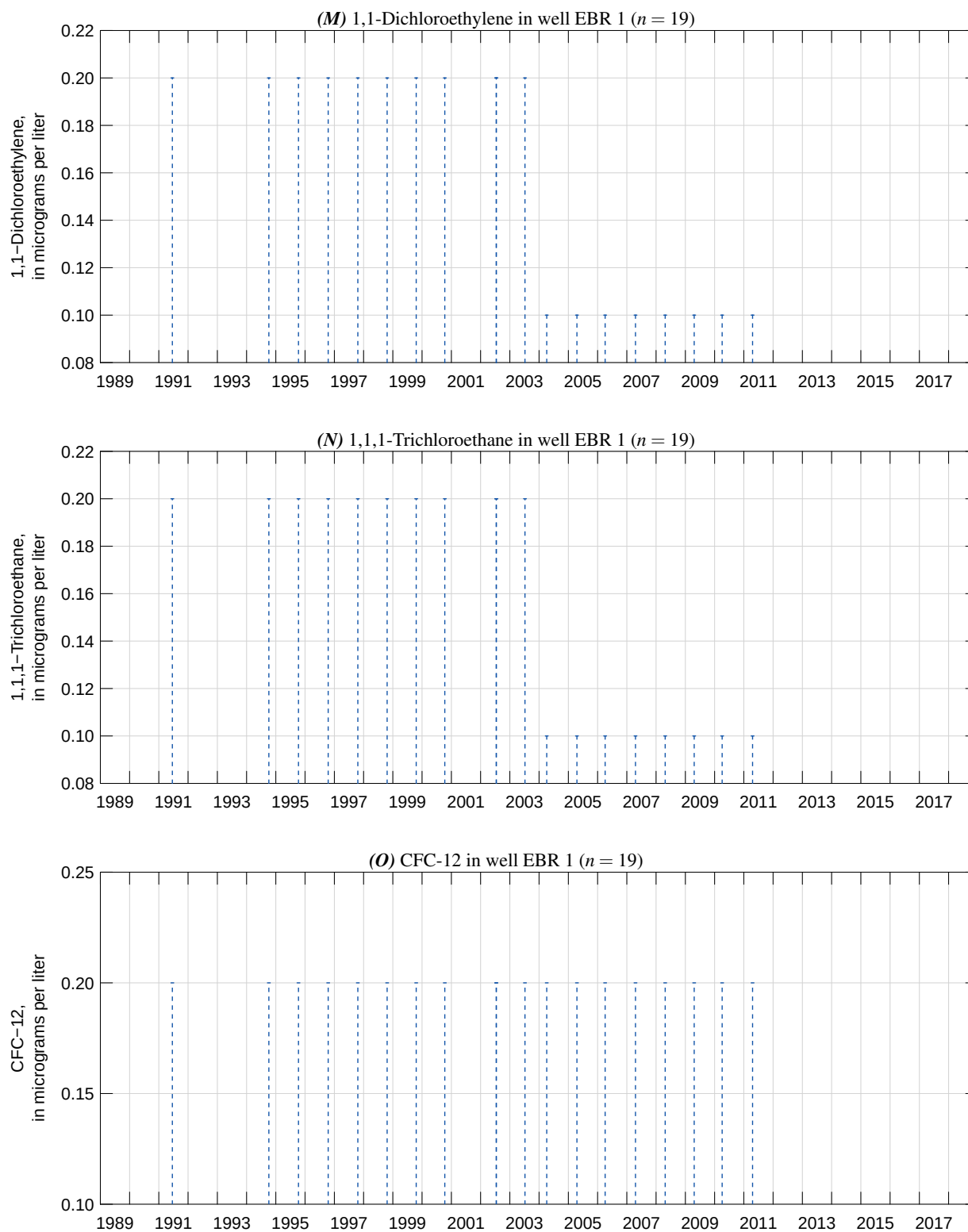


Figure 4.14. —Continued

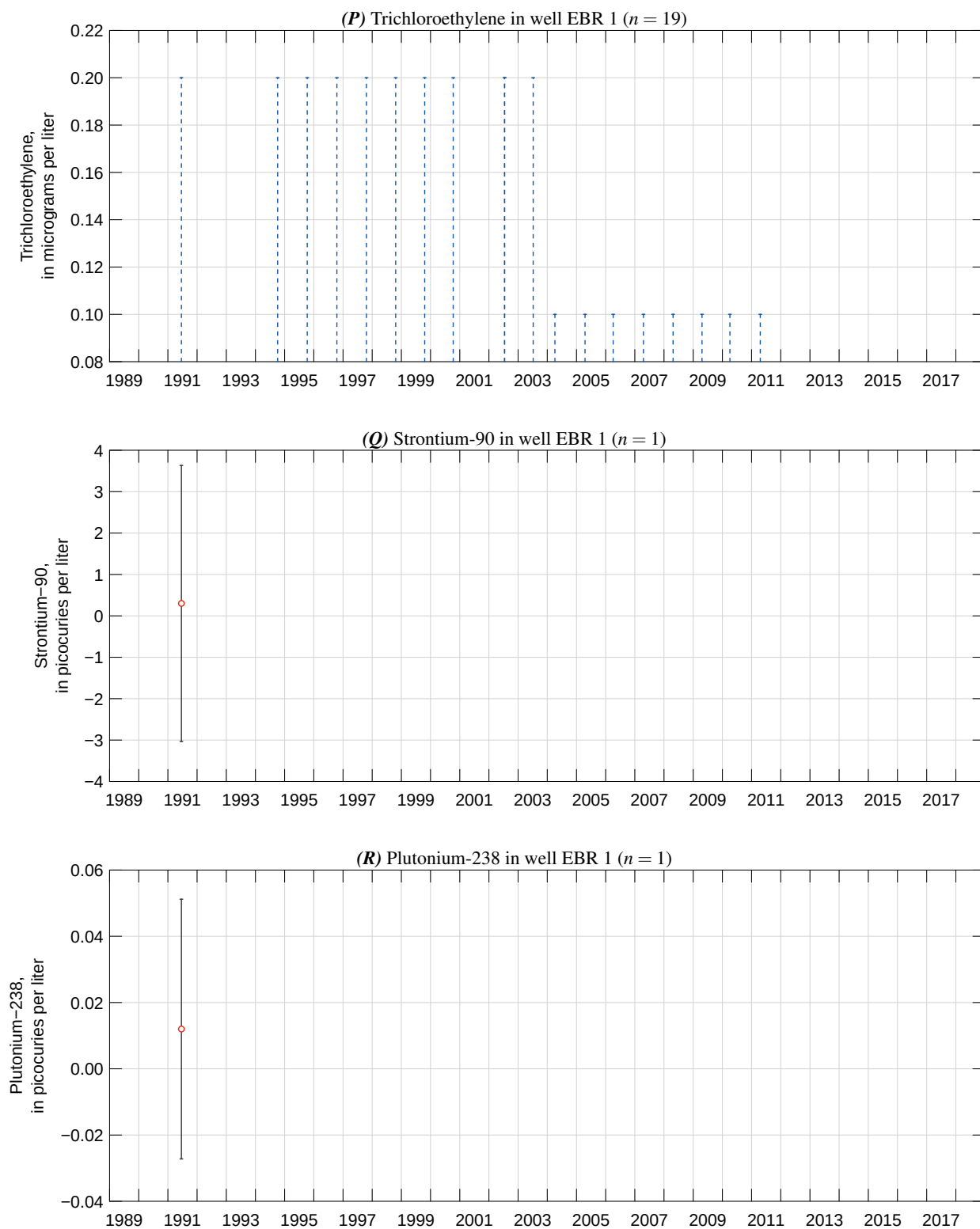


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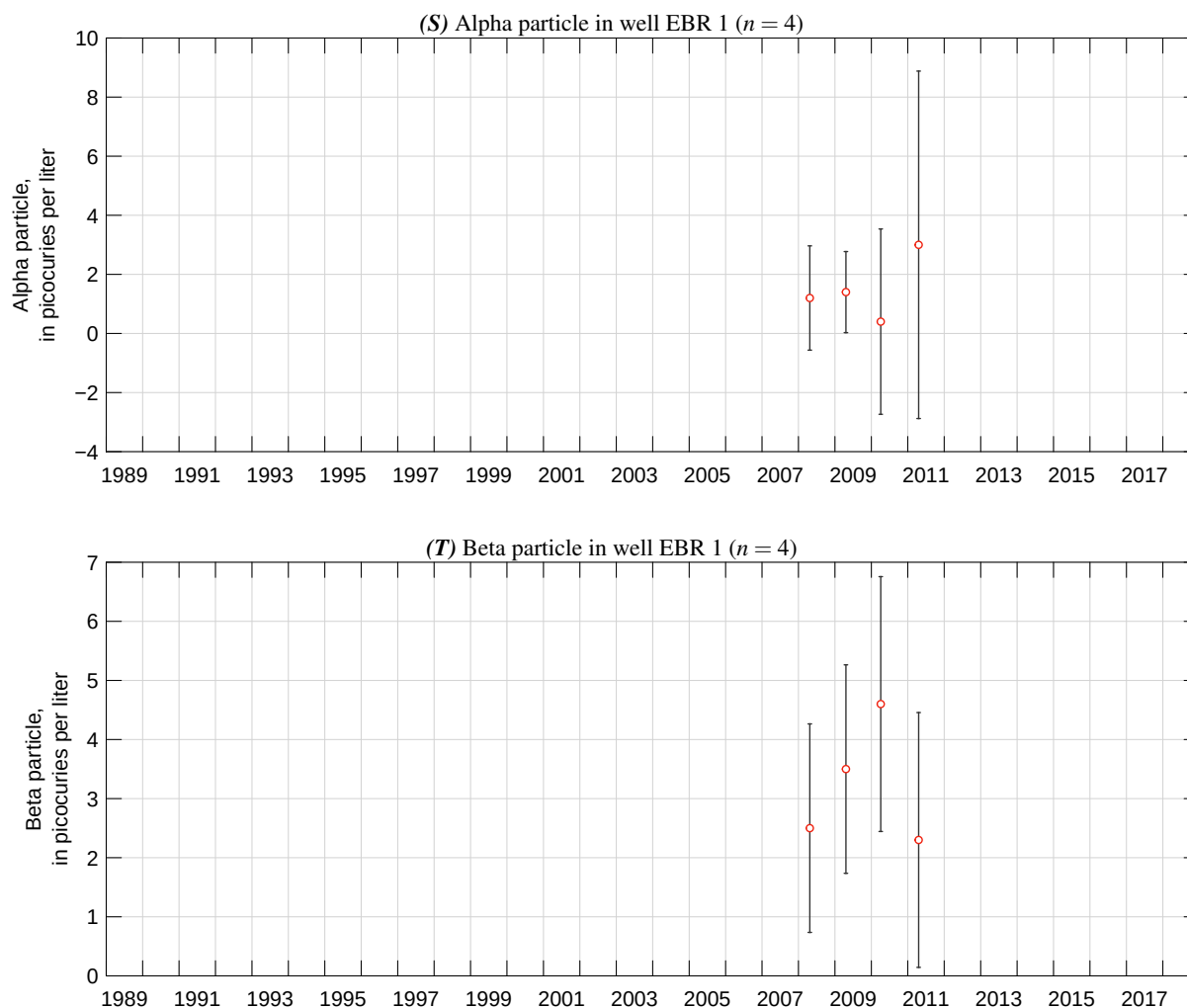


Figure 4.14. —Continued

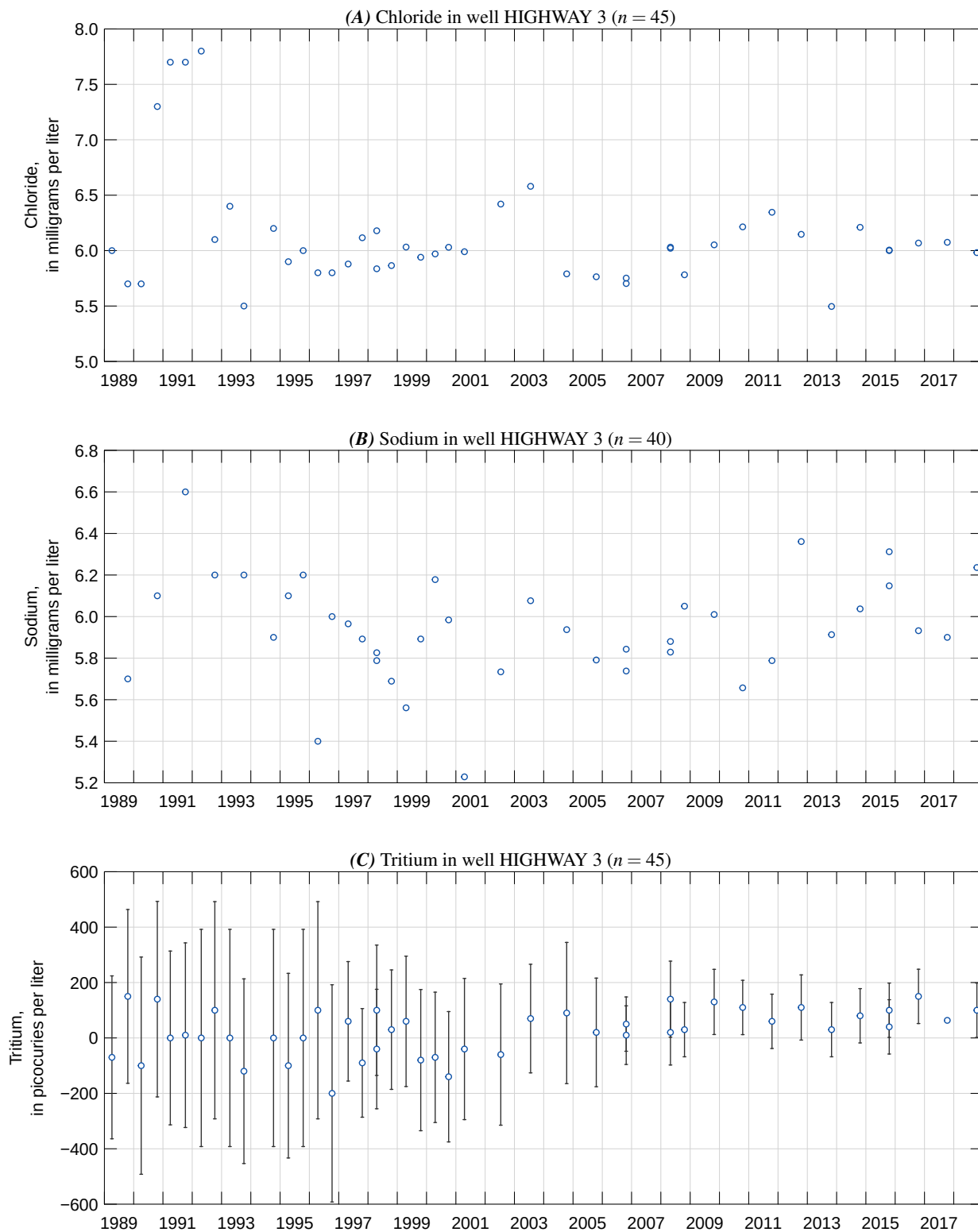


Figure 4.15. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) alpha particle, and (R) beta particle concentrations in water collected from well HIGHWAY 3 (Site No. 433256113002501), Idaho National Laboratory, Idaho, 1989–2018.

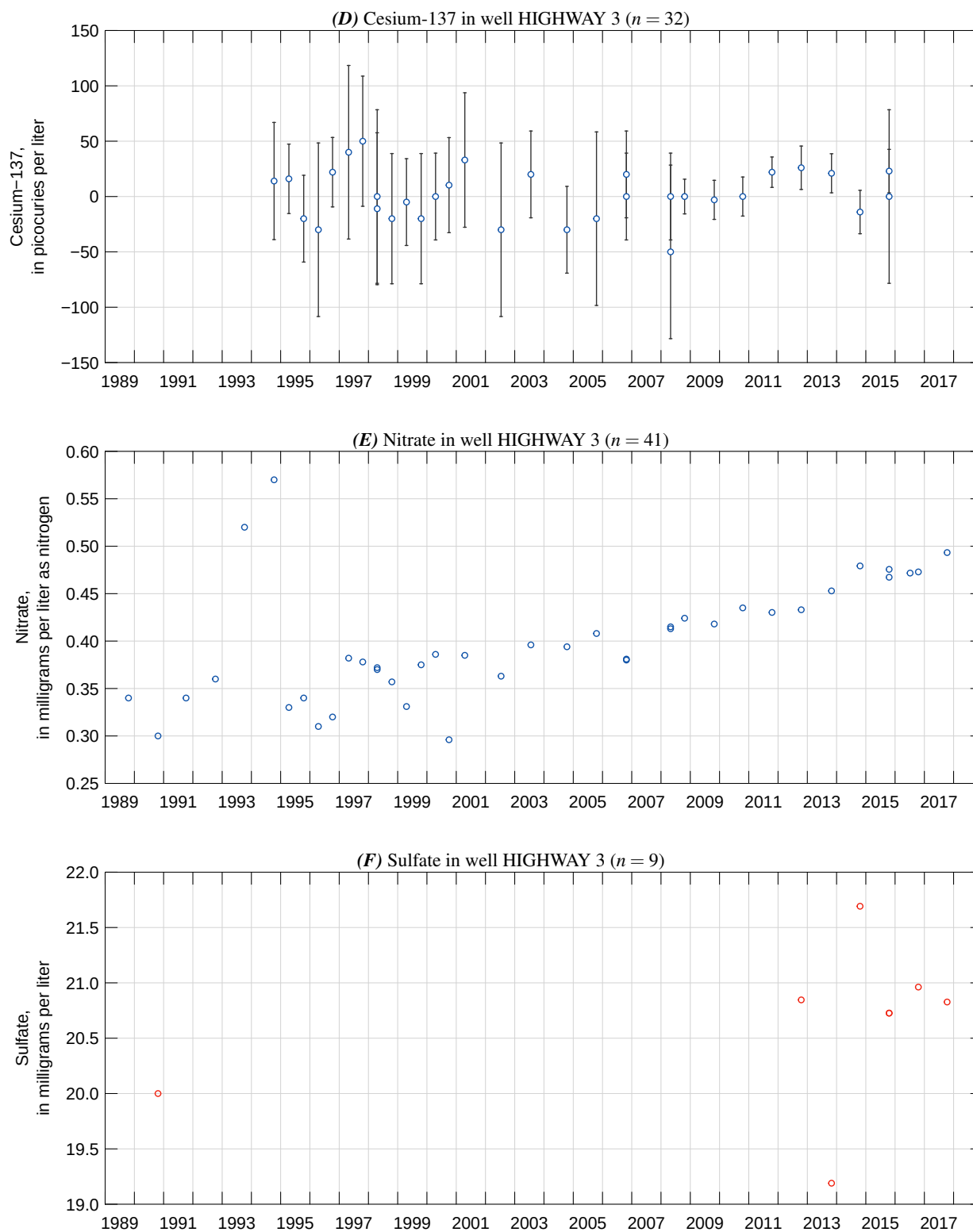


Figure 4.15. —Continued

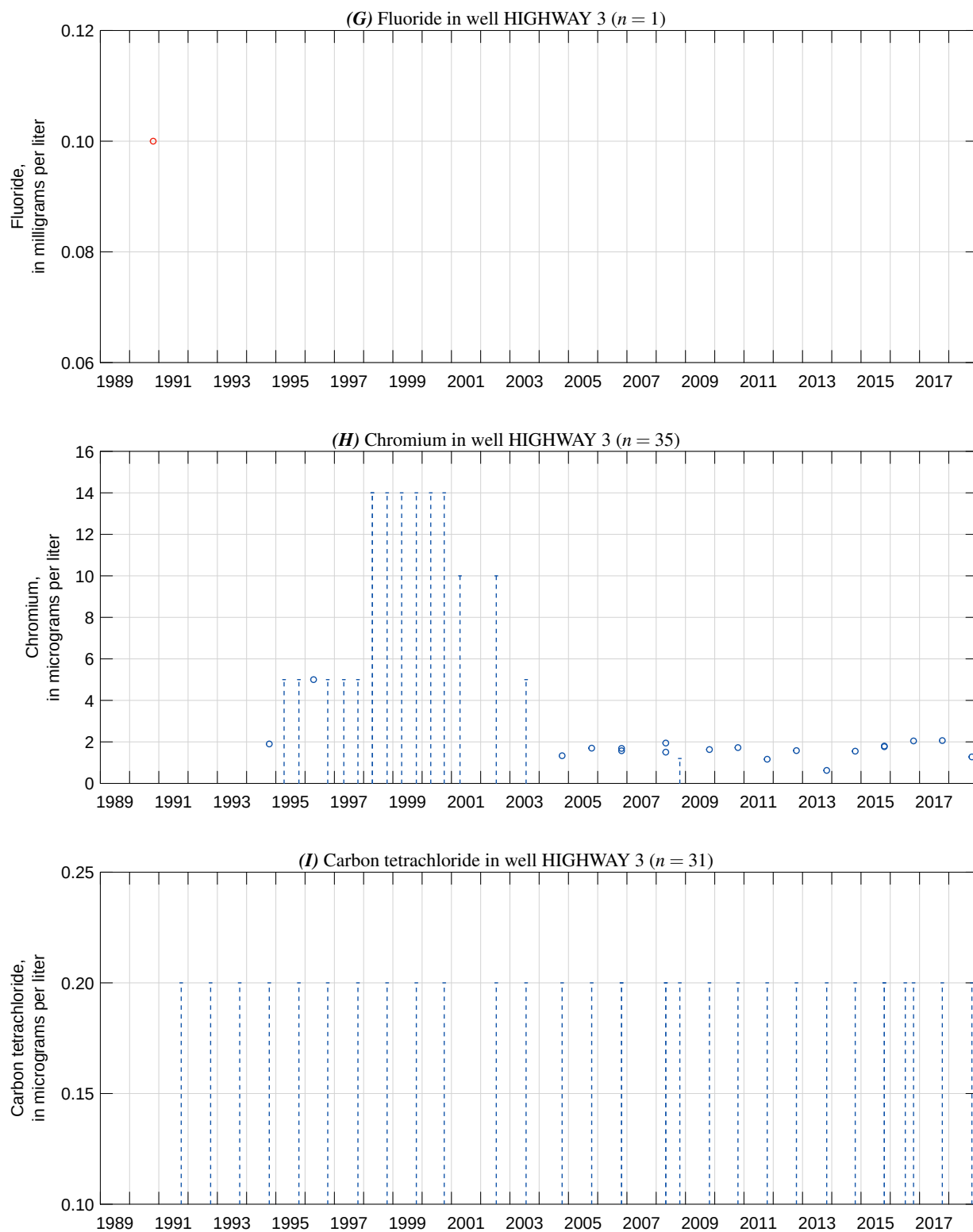


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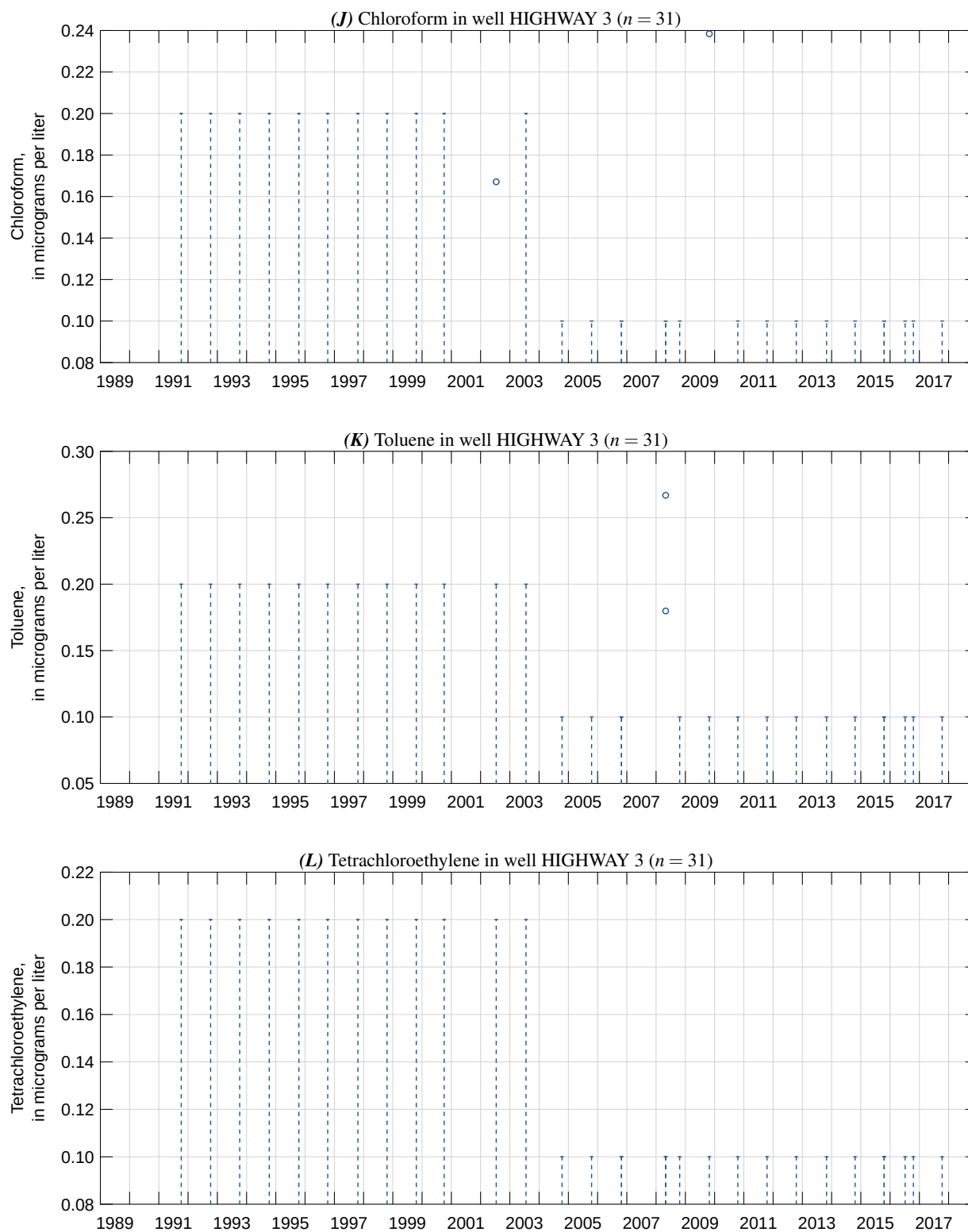


Figure 4.15. —Continued

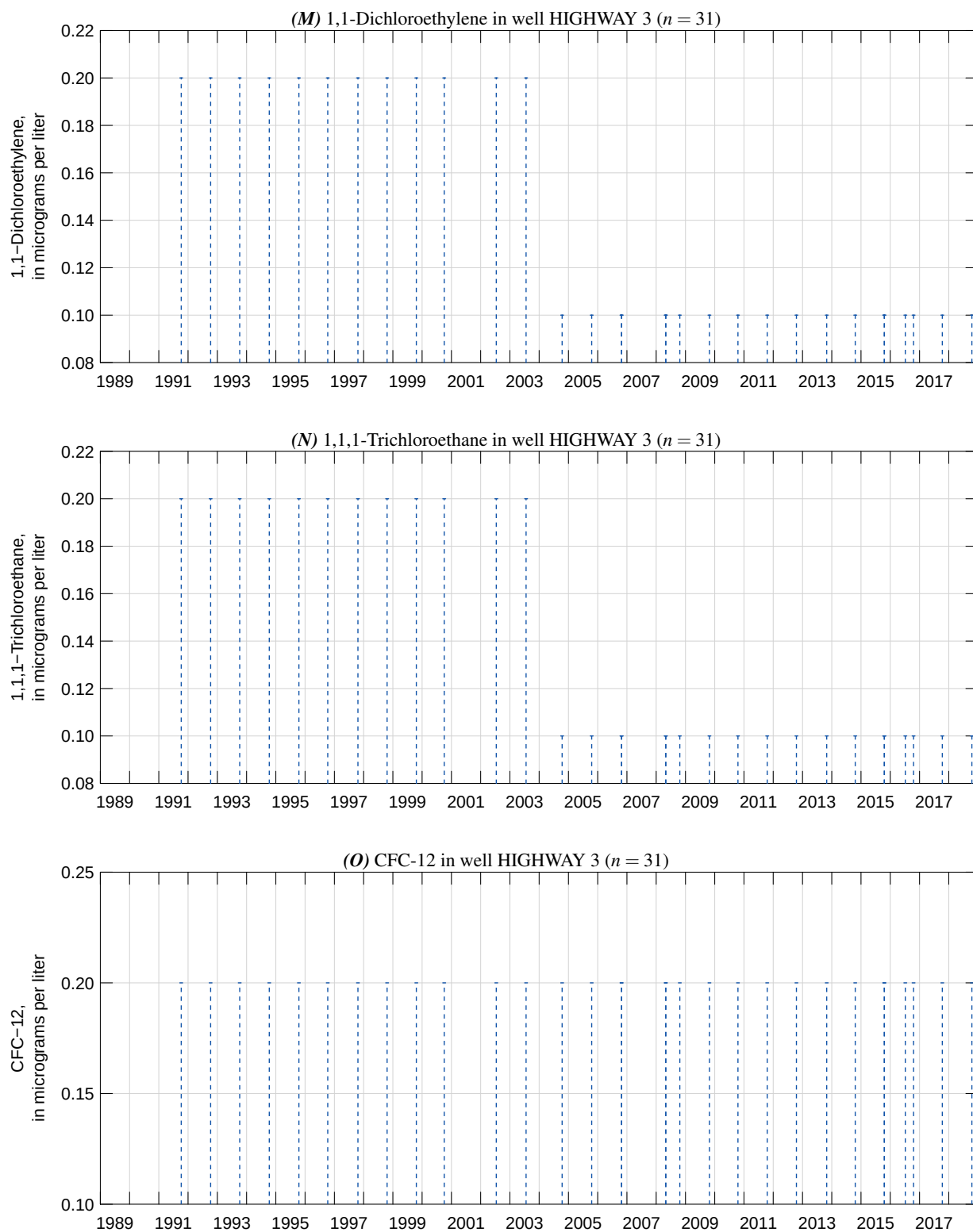


Figure 4.15. —Continued

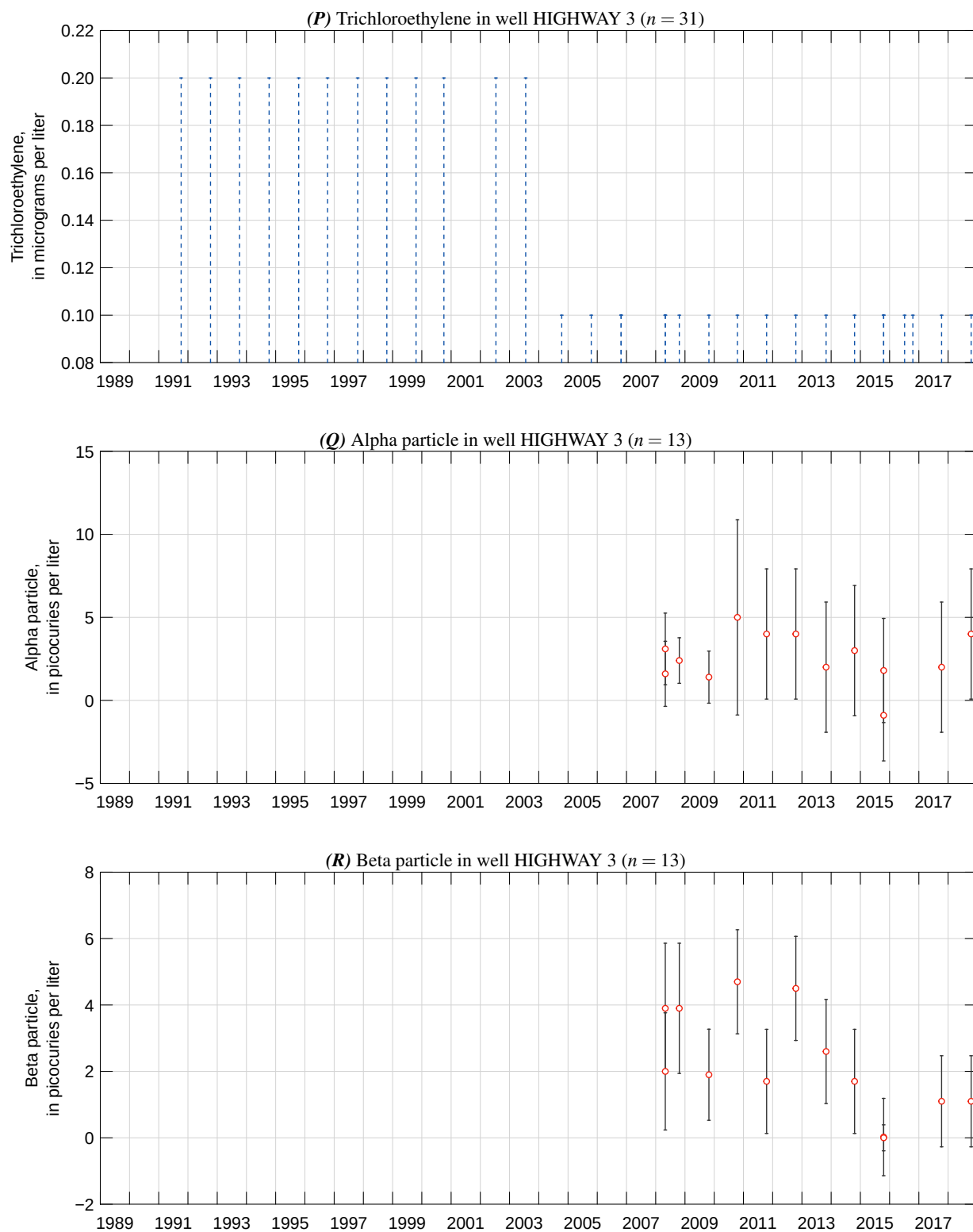


Figure 4.15. —Continued

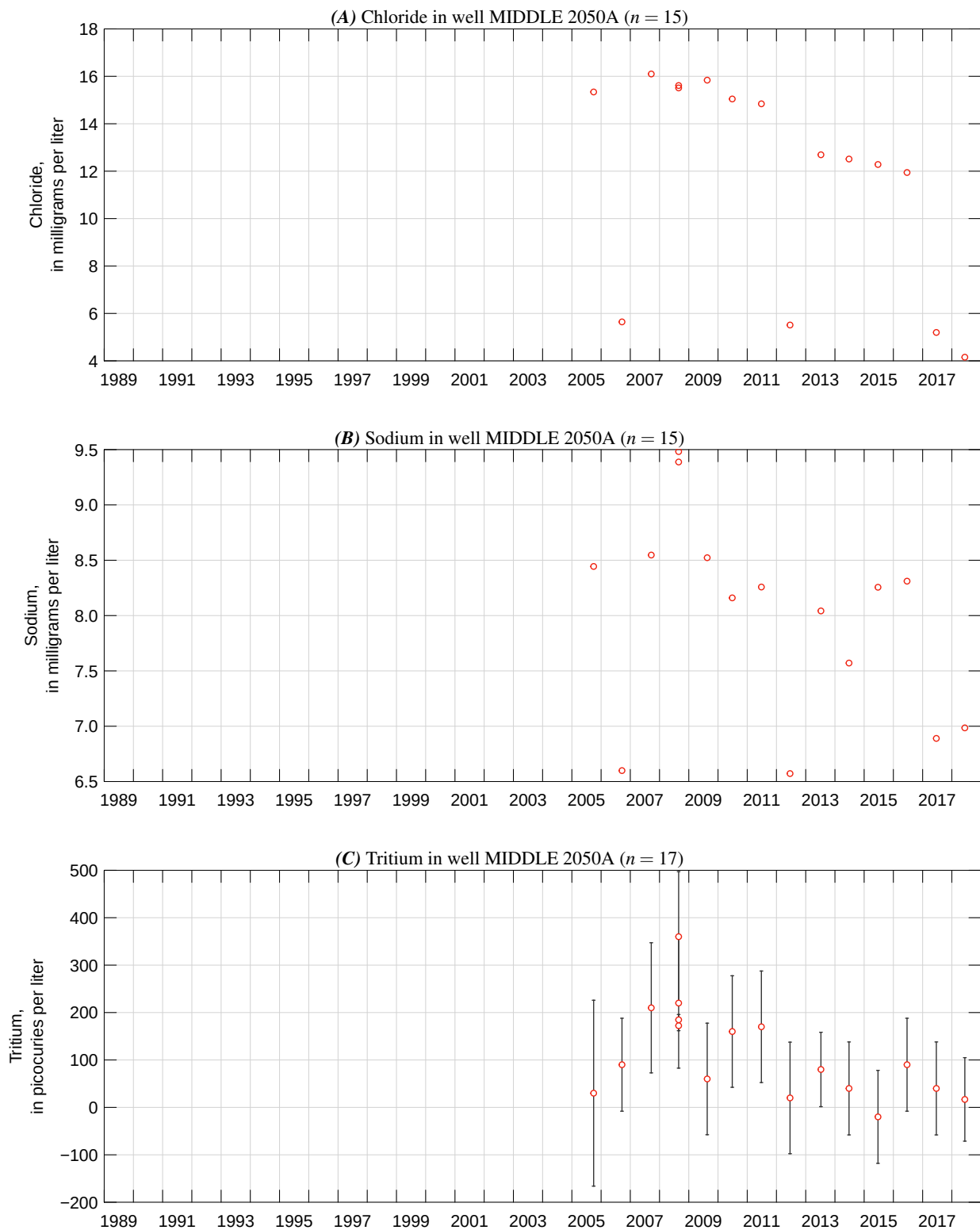


Figure 4.16. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) strontium-90, (J) plutonium-238, (K) alpha particle, and (L) beta particle concentrations in water collected from well MIDDLE 2050A (Site No. 433409112570515), Idaho National Laboratory, Idaho, 1989–2018.

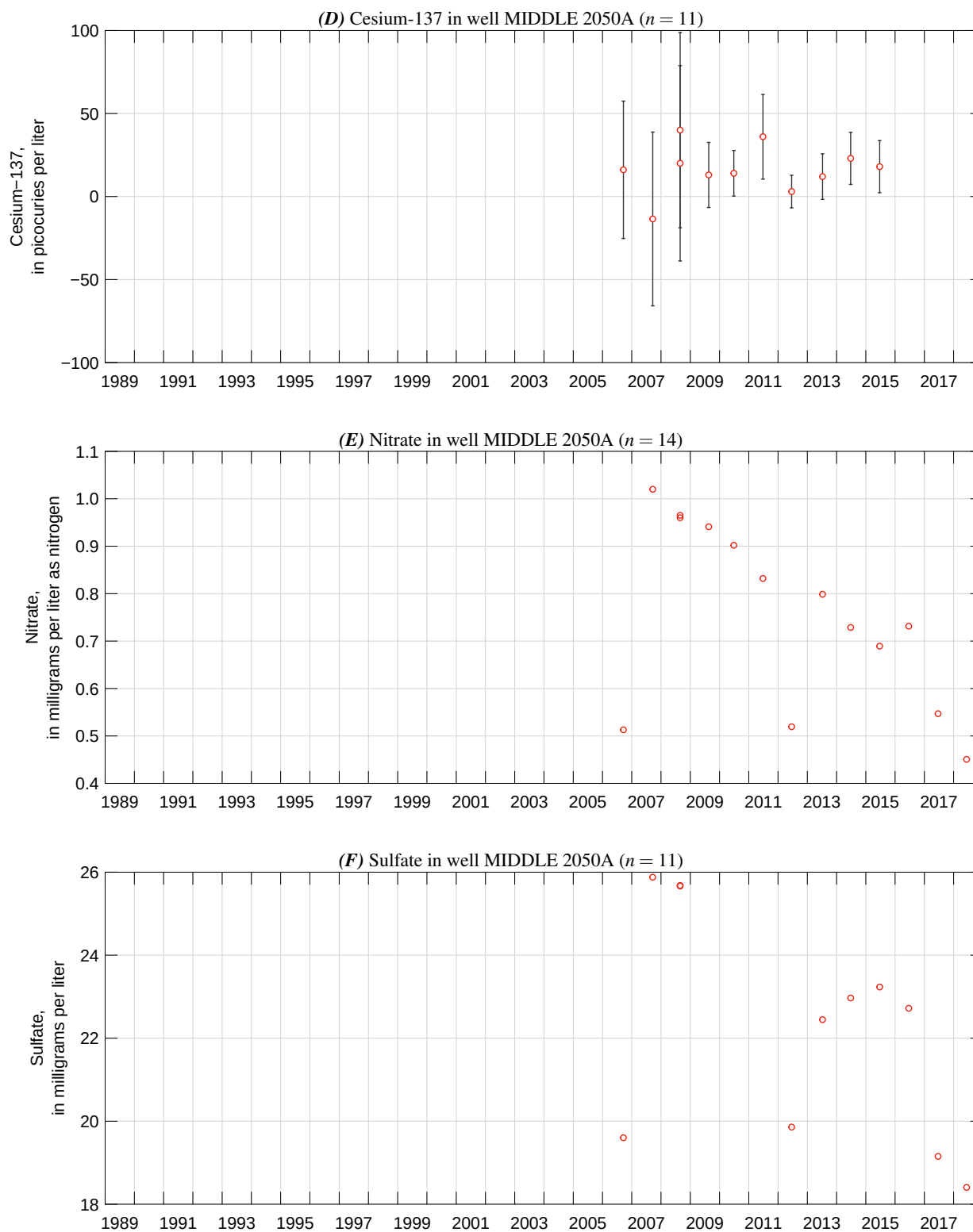


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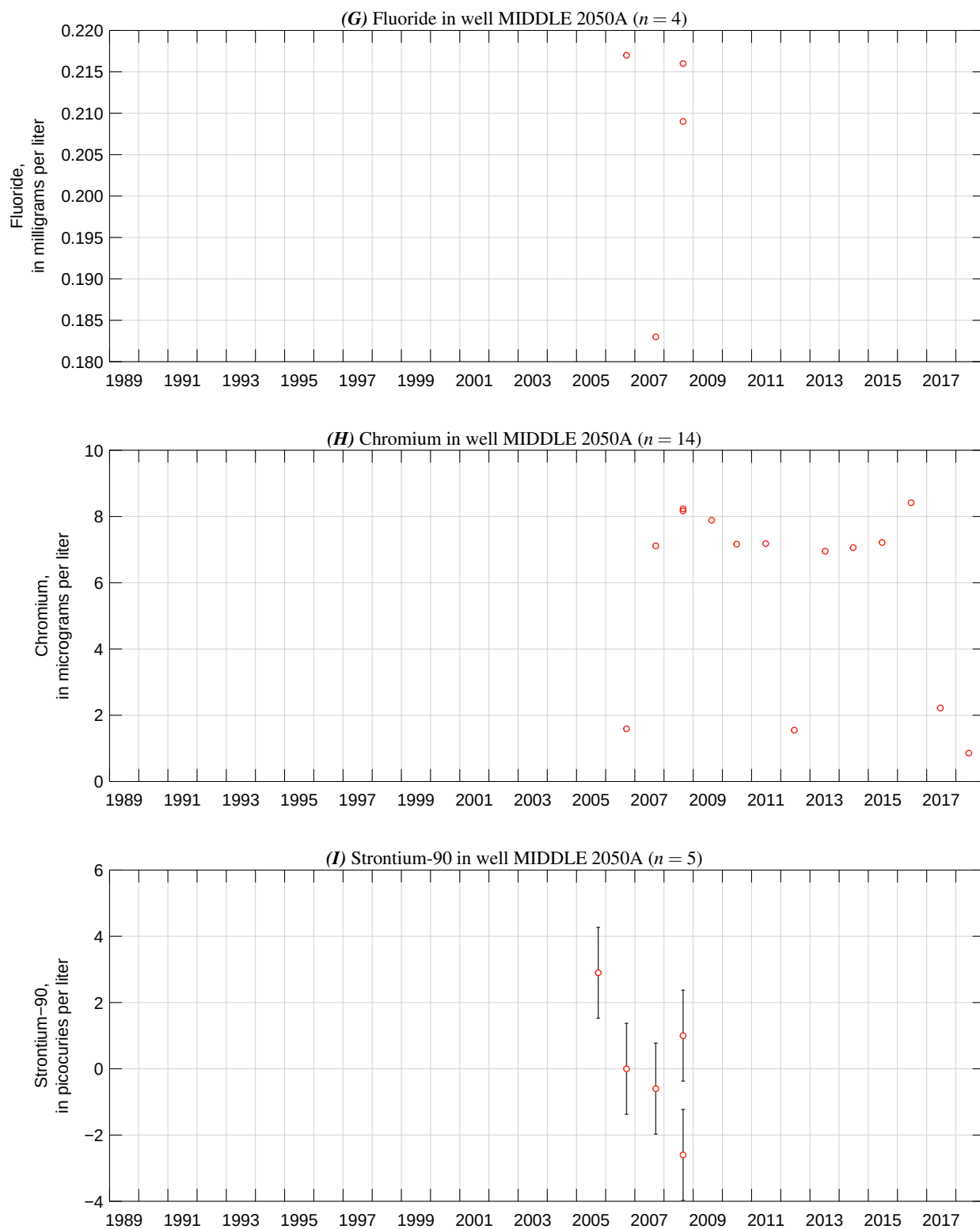


Figure 4.16. —Continued

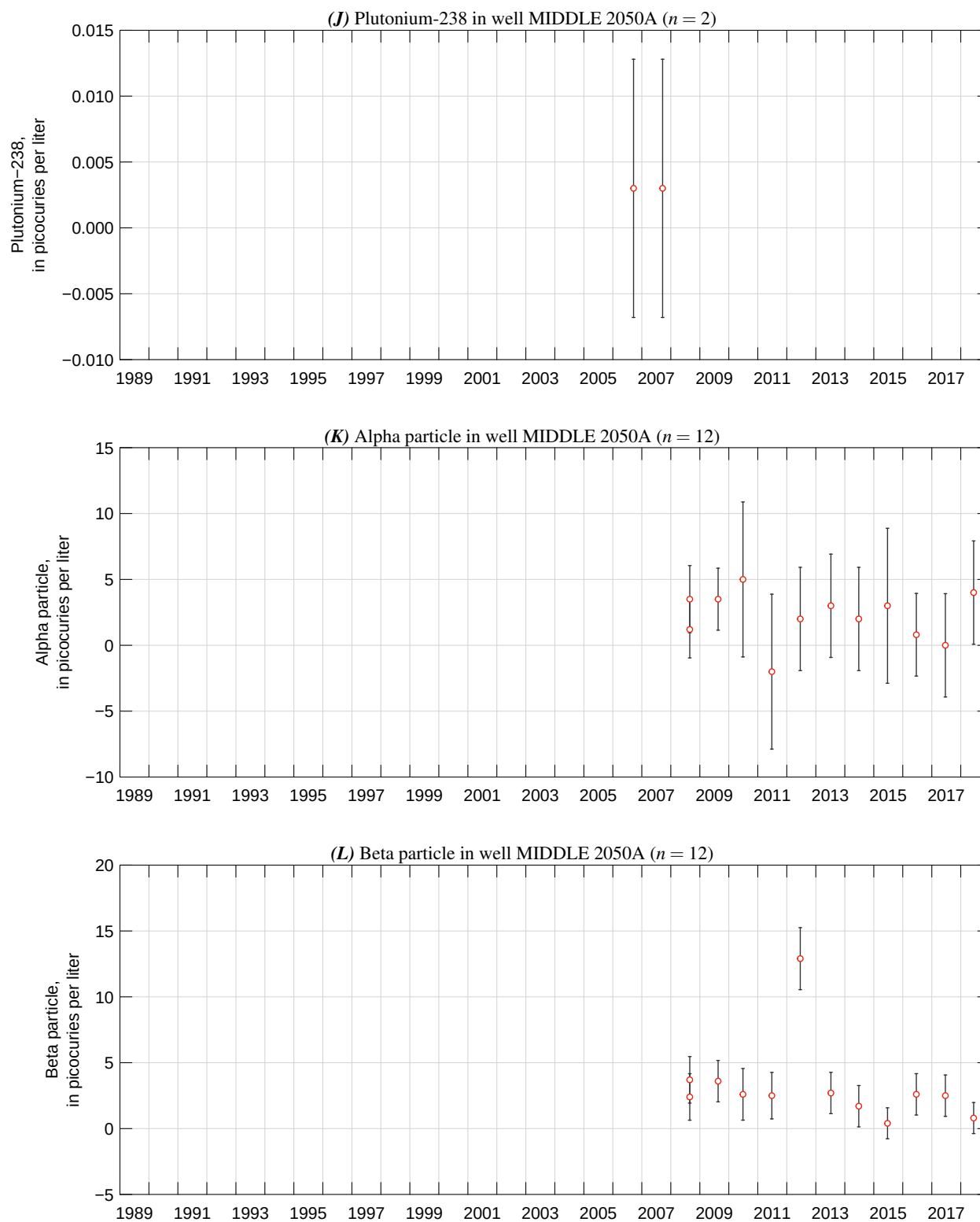


Figure 4.16. —Continued

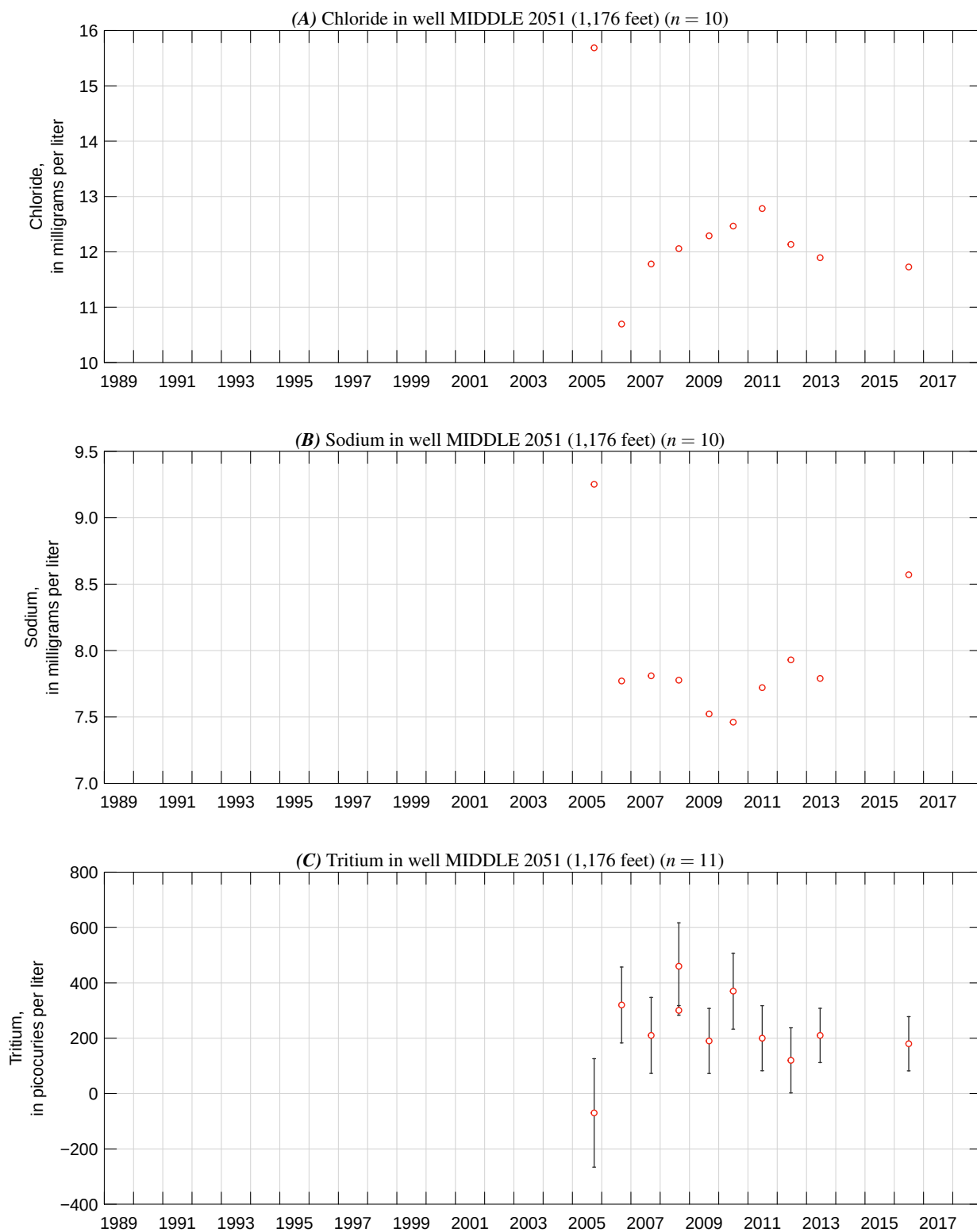


Figure 4.17. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, (R) plutonium-238, (S) alpha particle, and (T) beta particle concentrations in water collected from well MIDDLE 2051 (1,176 feet) (Site No. 433217113004901), Idaho National Laboratory, Idaho, 1989–2018.

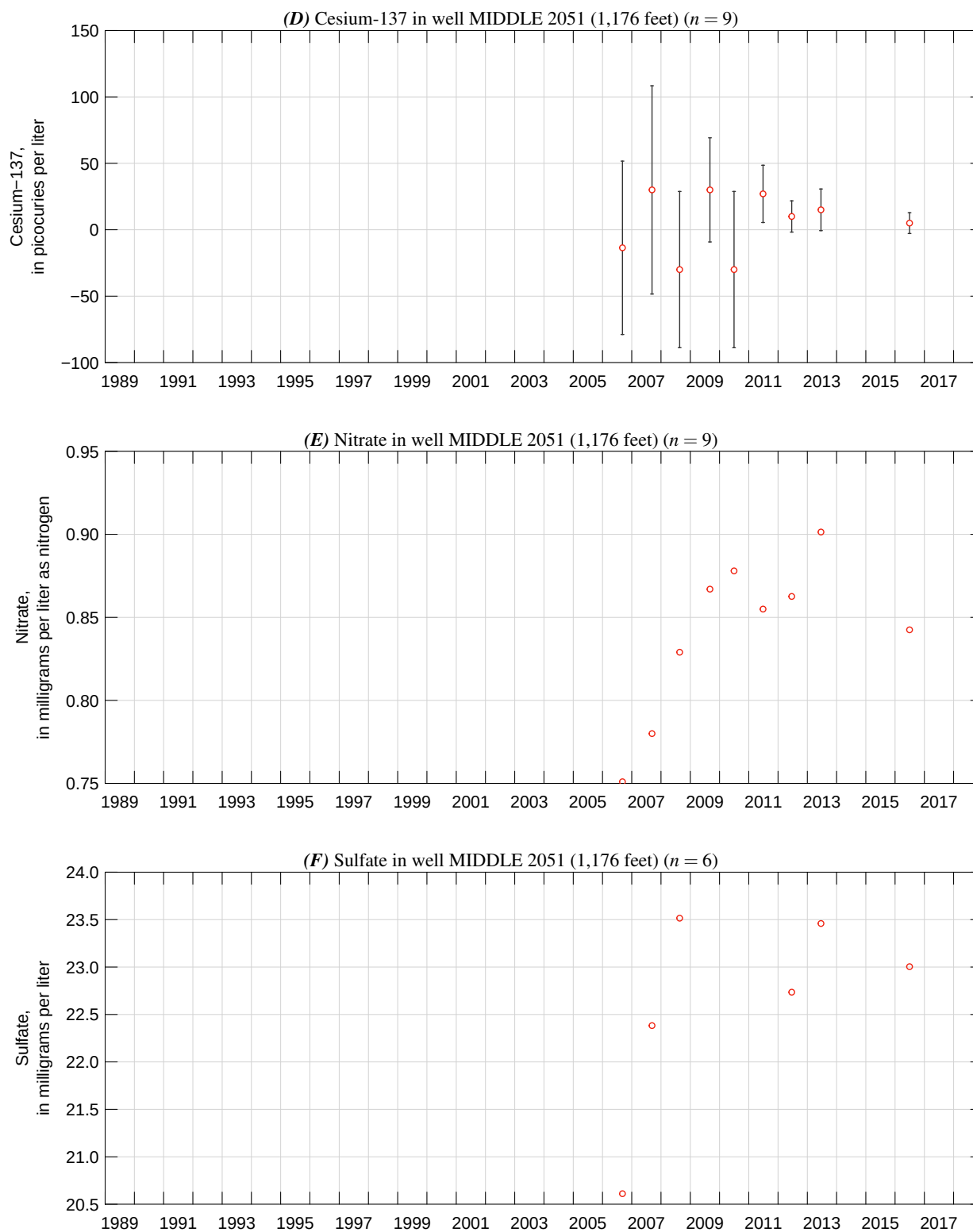


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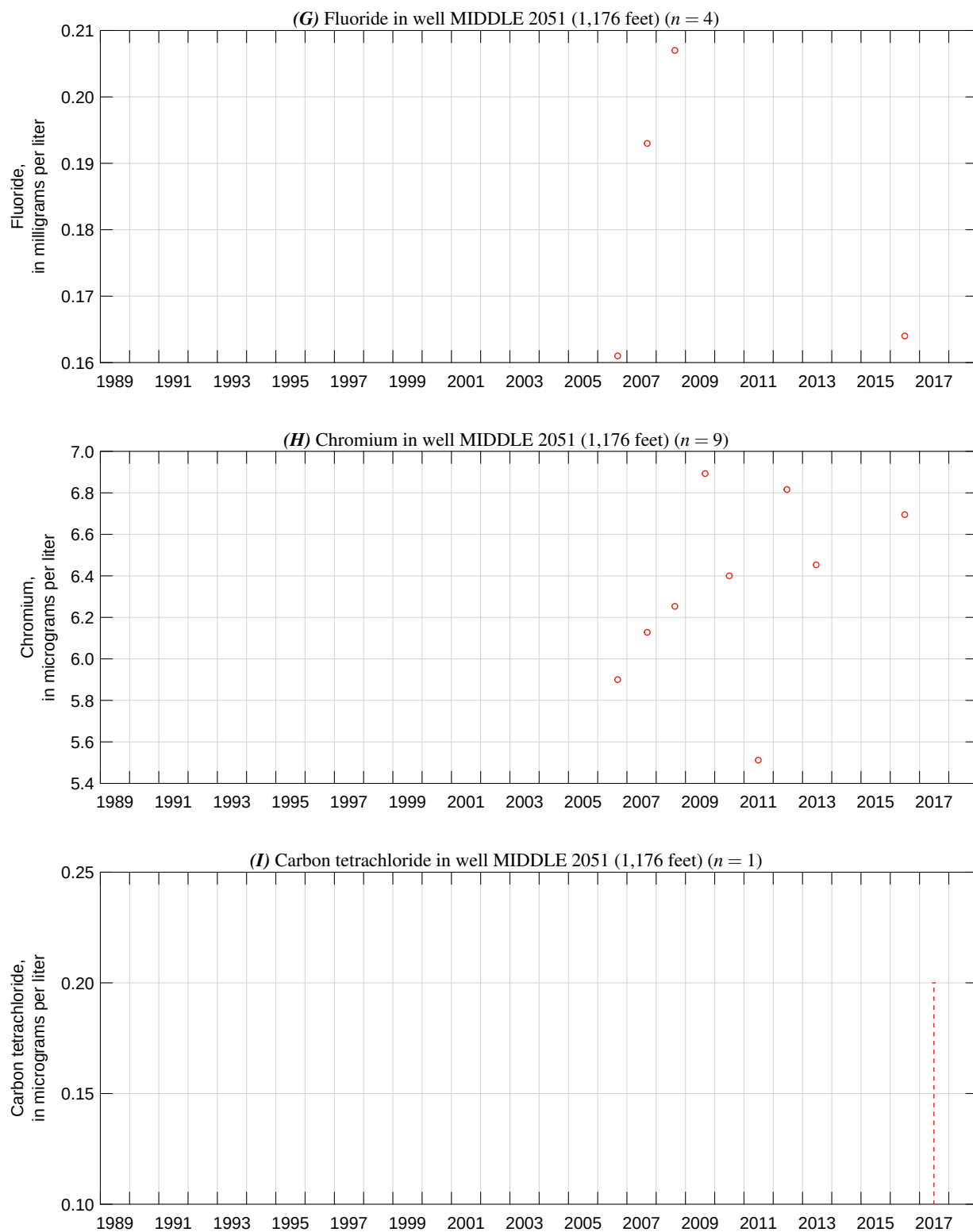


Figure 4.17. —Continued

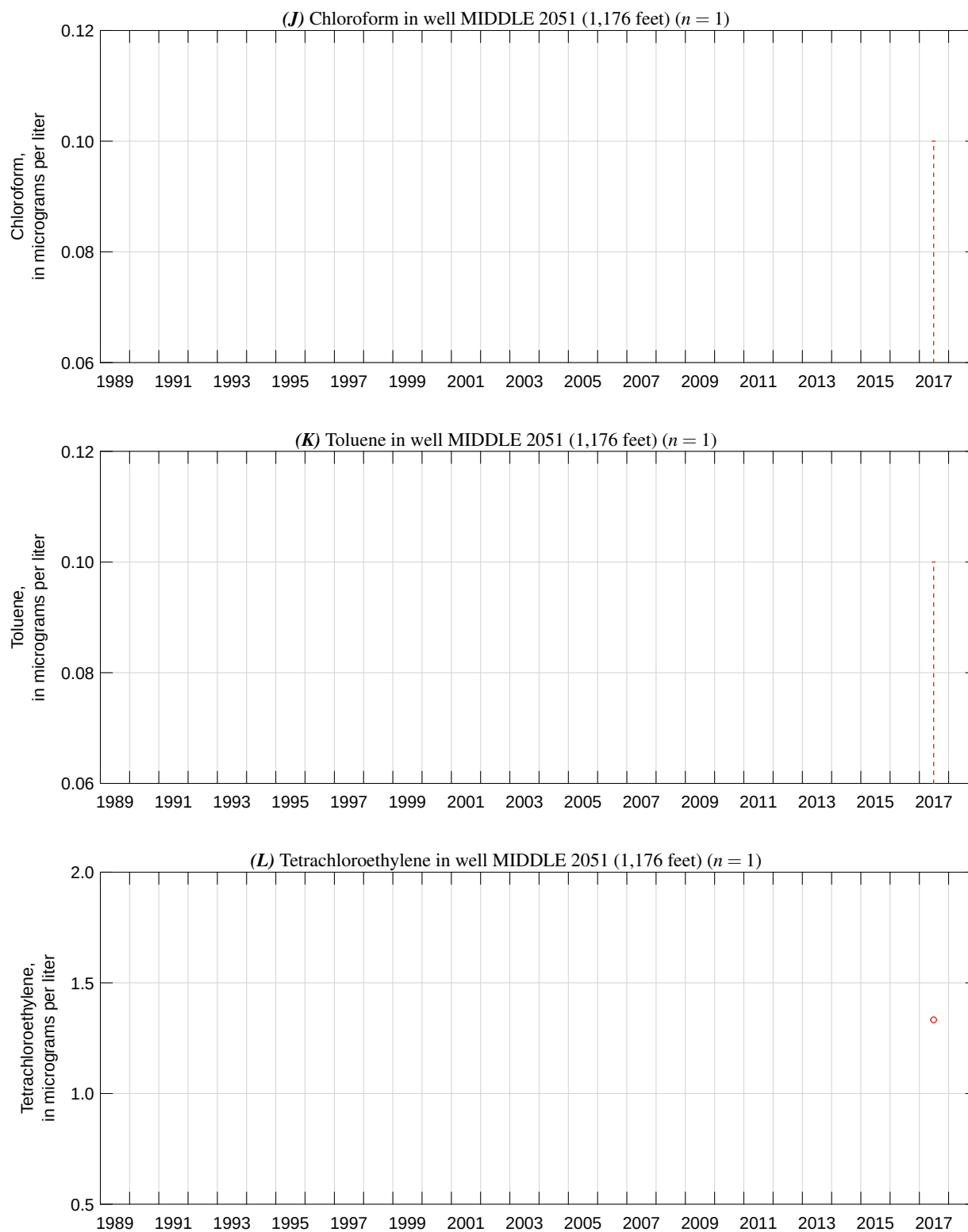


Figure 4.17. —Continued

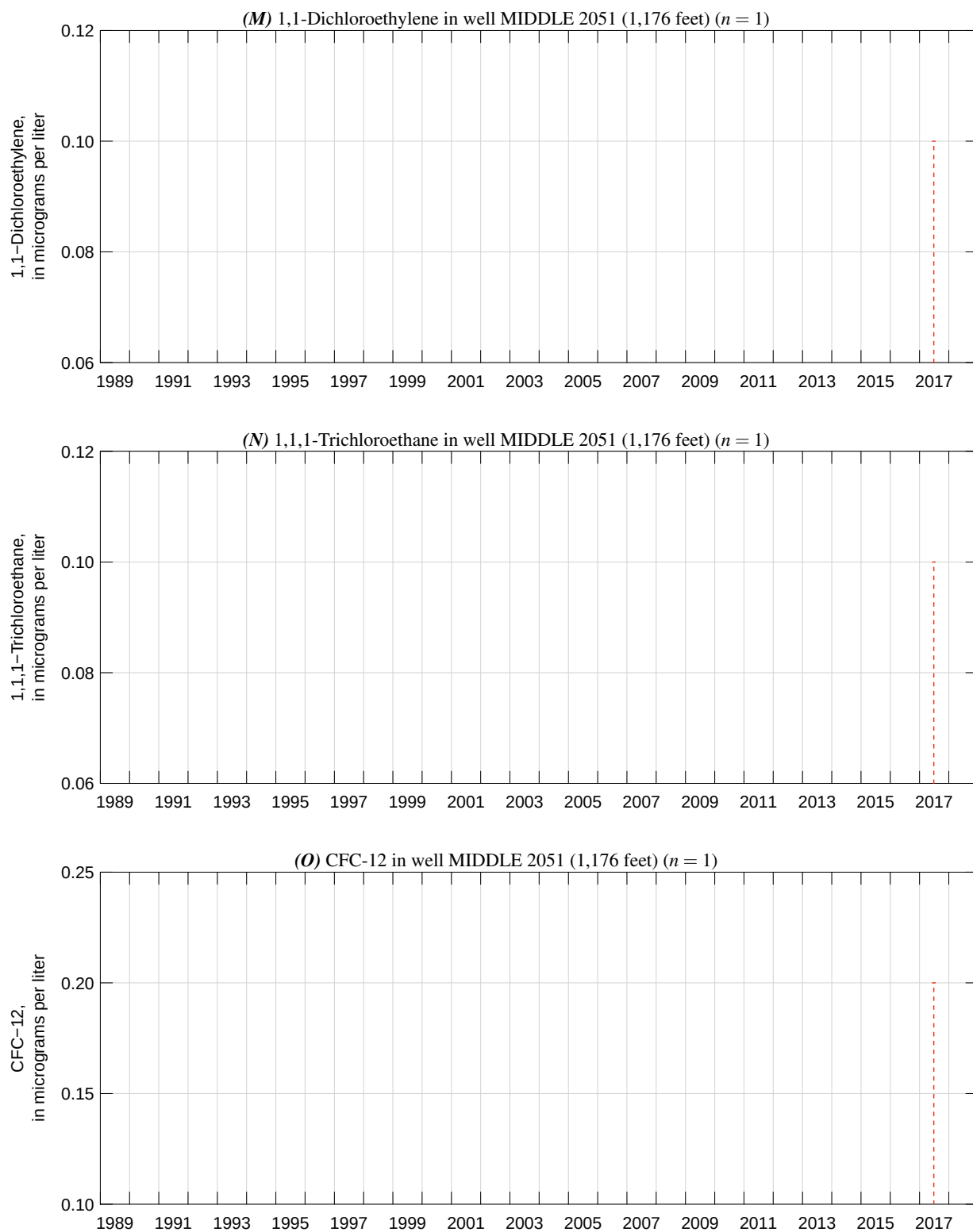


Figure 4.17. —Continued

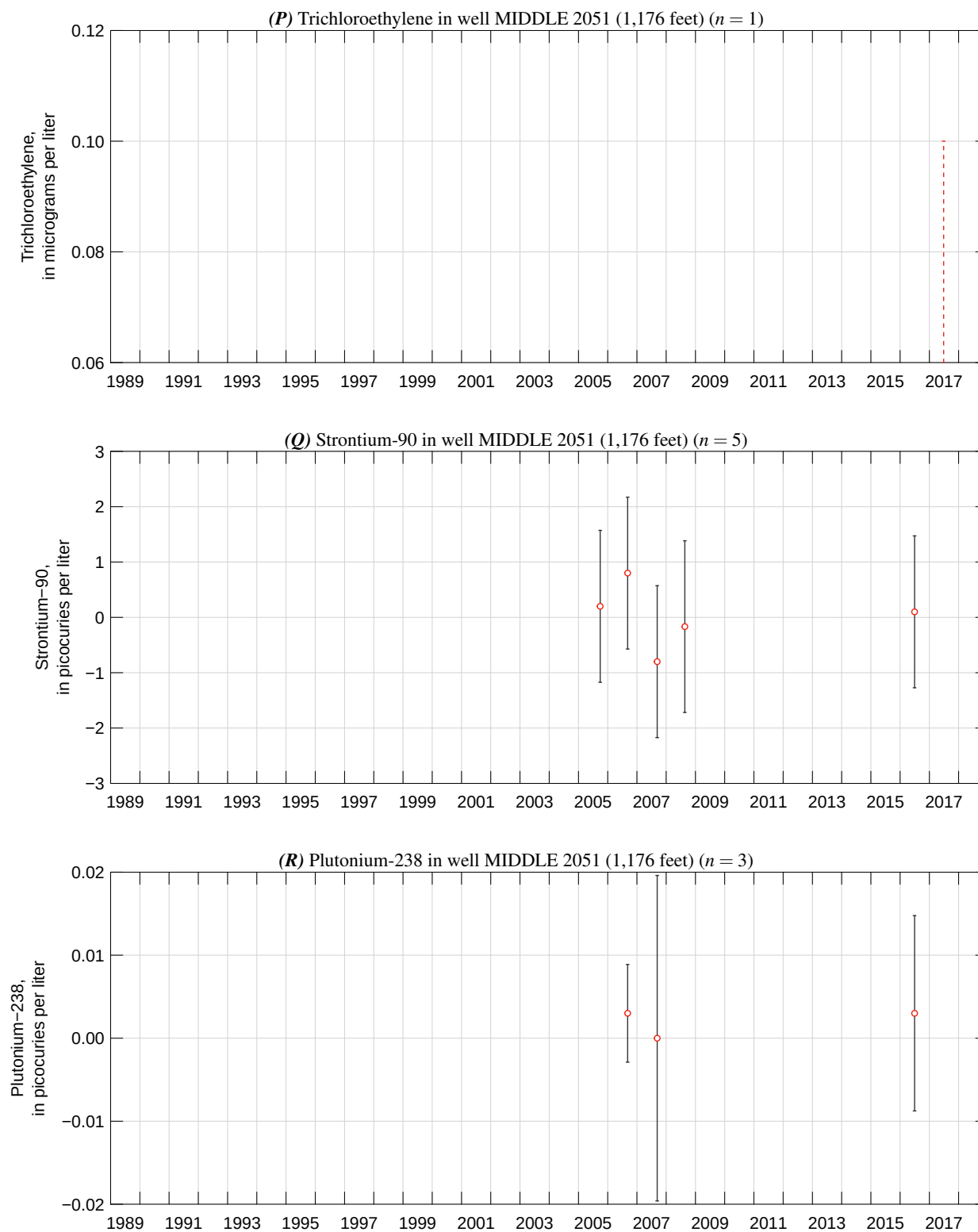


Figure 4.17. —Continued

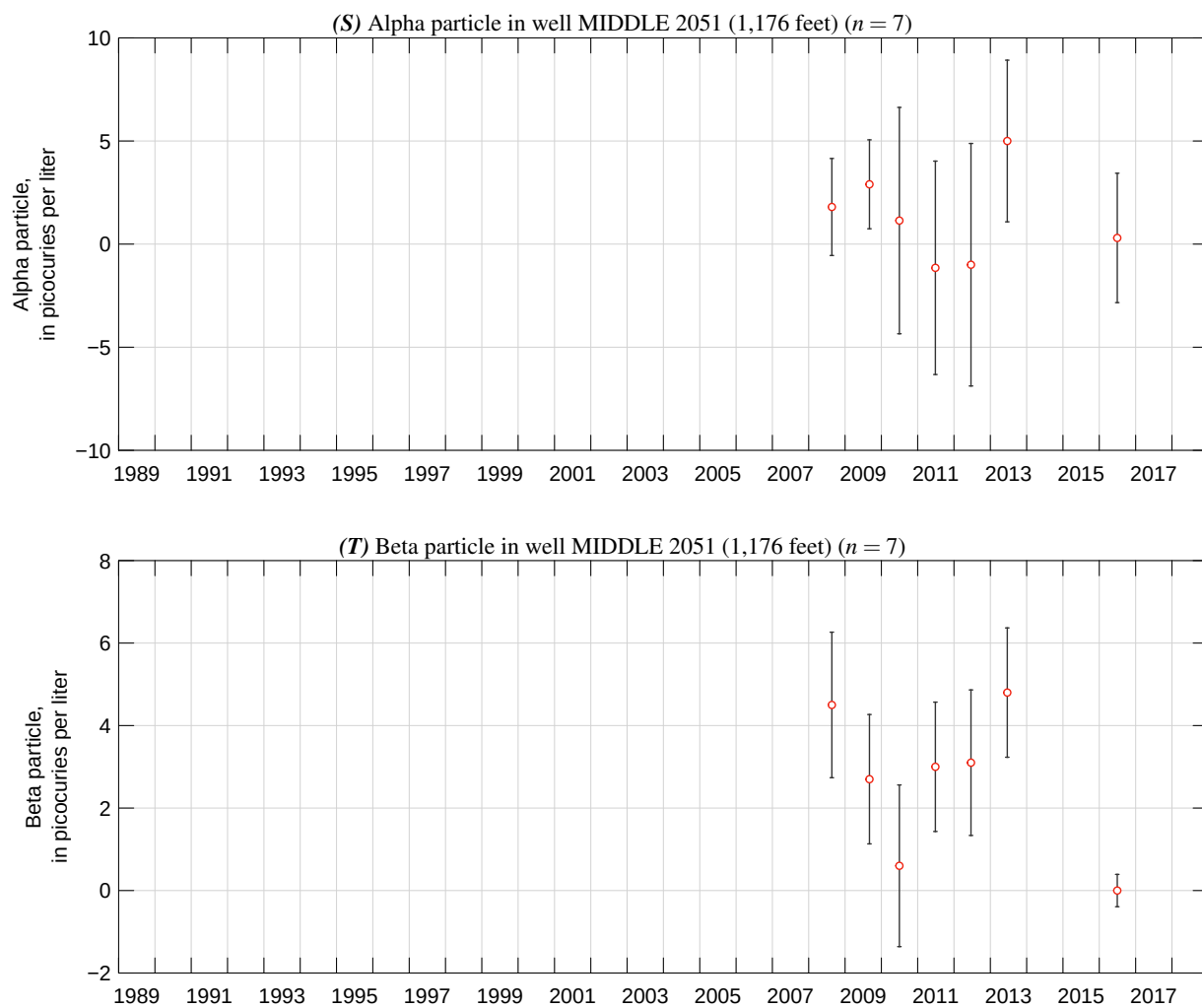


Figure 4.17. —Continued

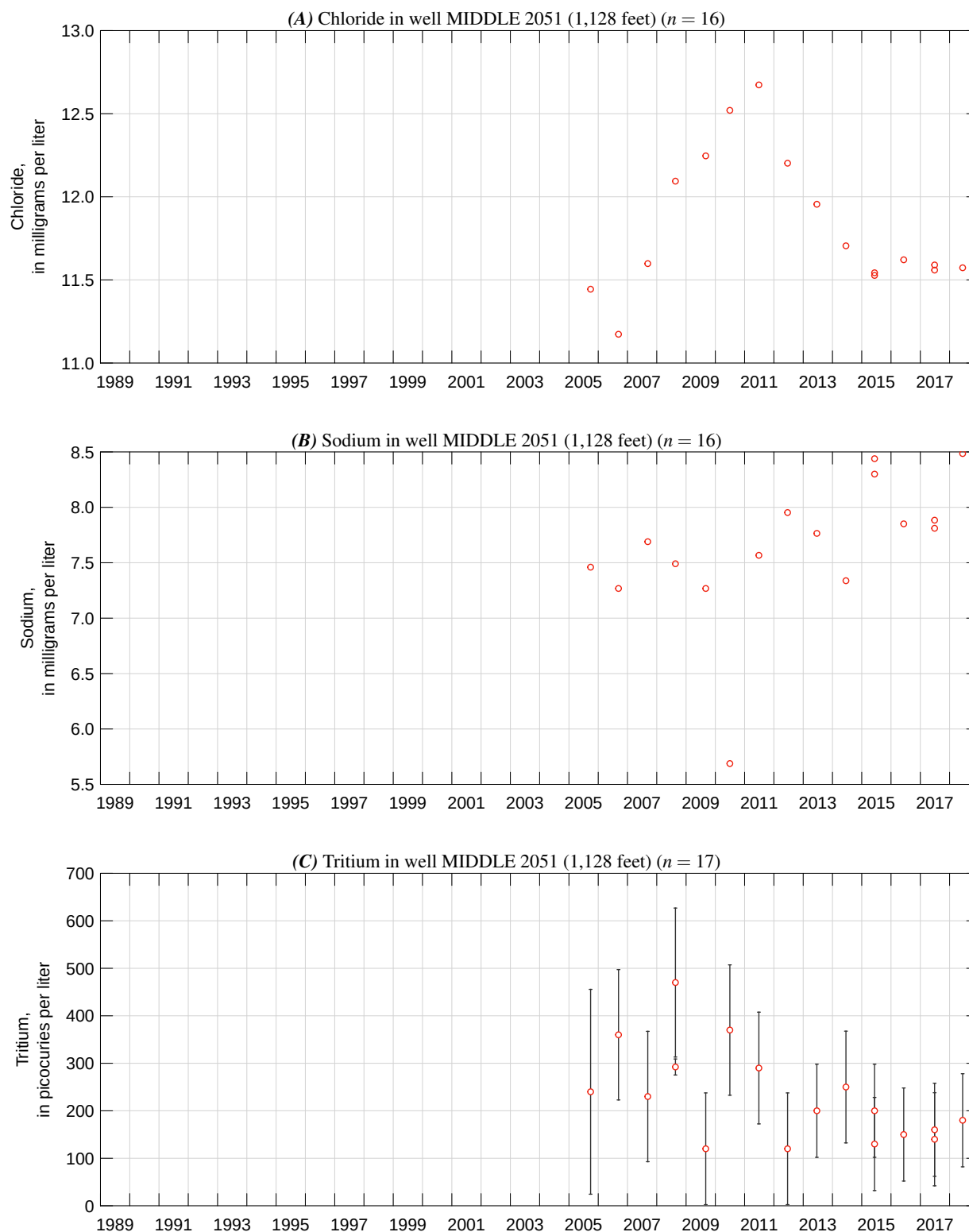


Figure 4.18. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, (R) plutonium-238, (S) alpha particle, and (T) beta particle concentrations in water collected from well MIDDLE 2051 (1,128 feet) (Site No. 433217113004903), Idaho National Laboratory, Idaho, 1989–2018.

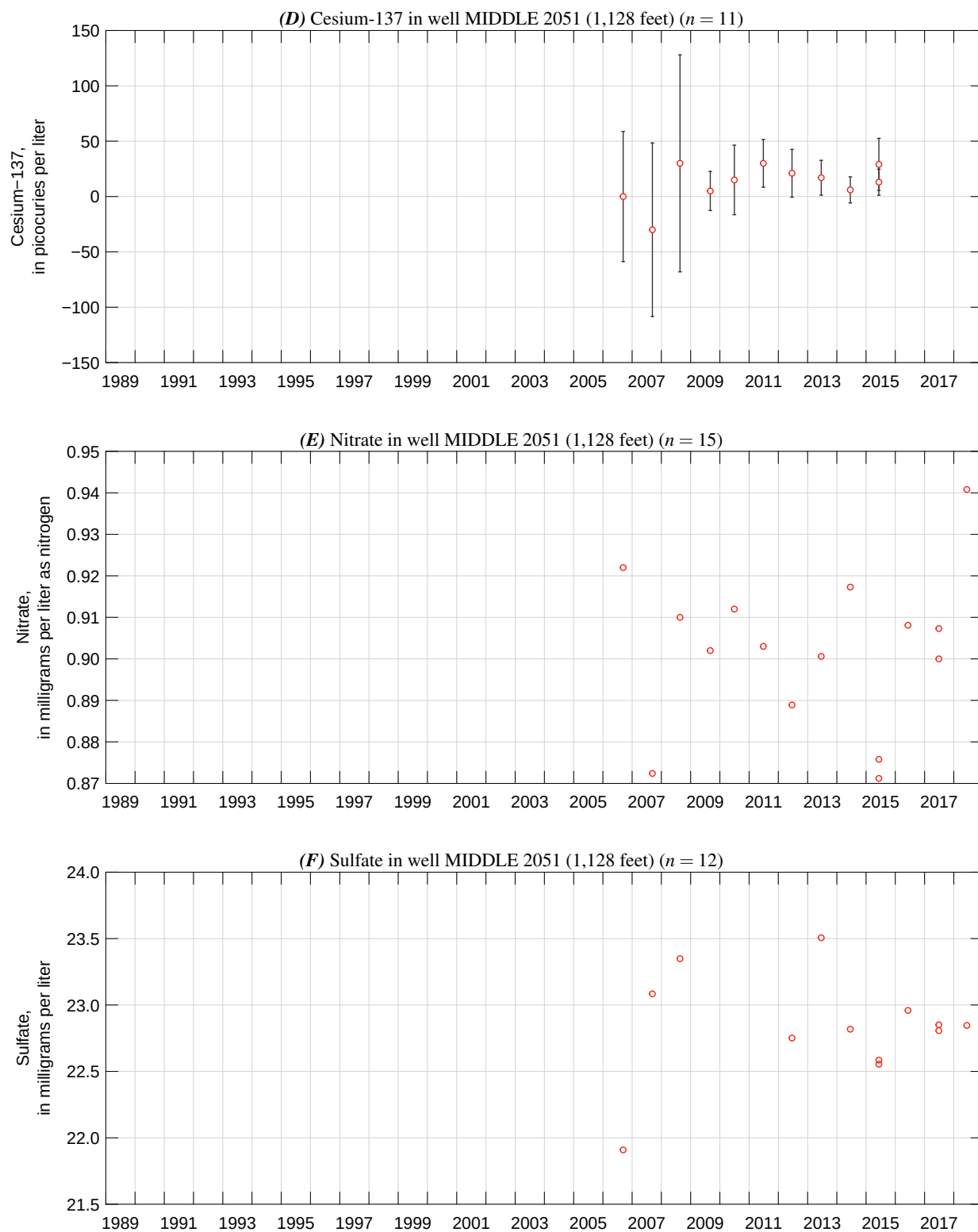


Figure 4.18. —Continued

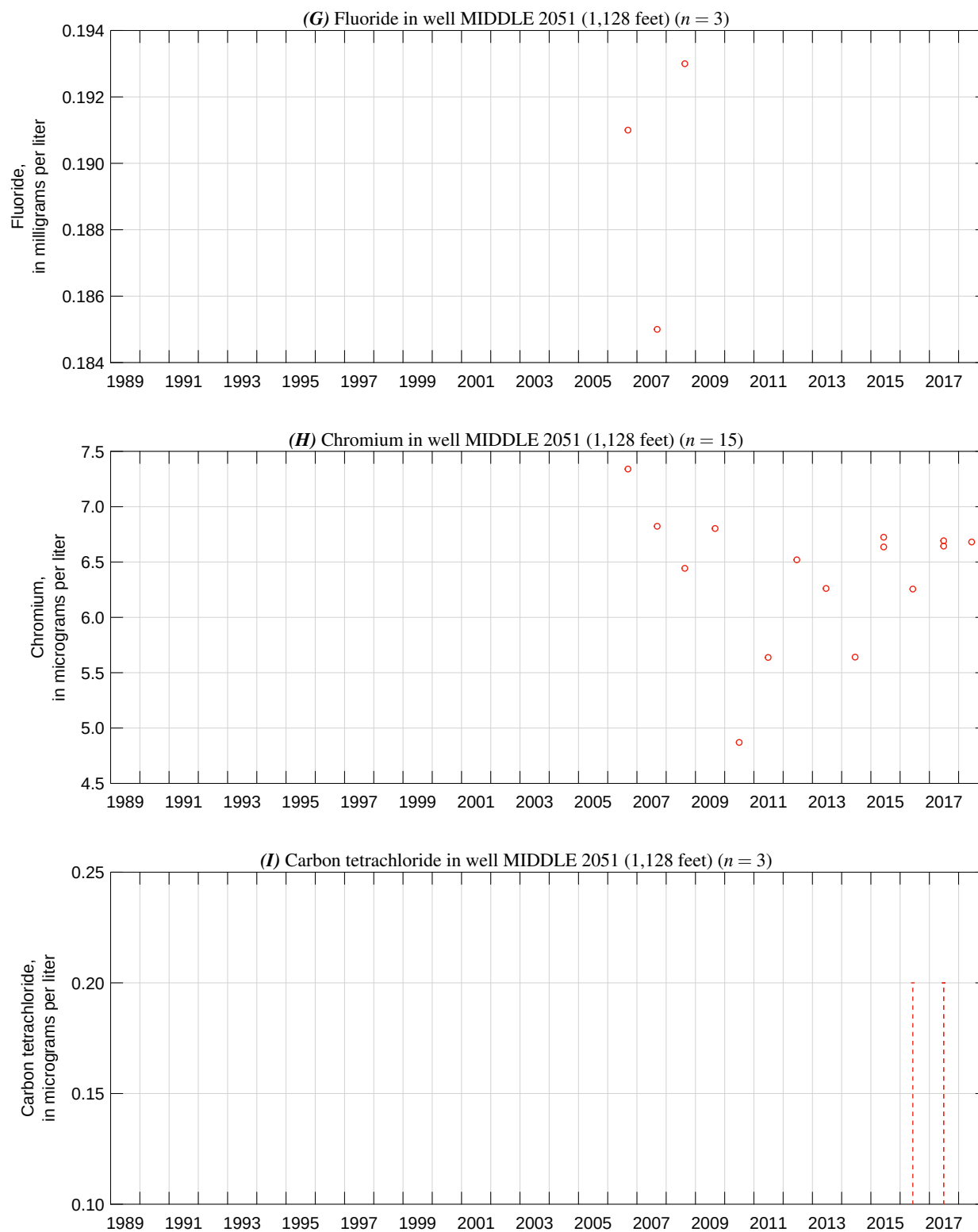


Figure 4.18. —Continued

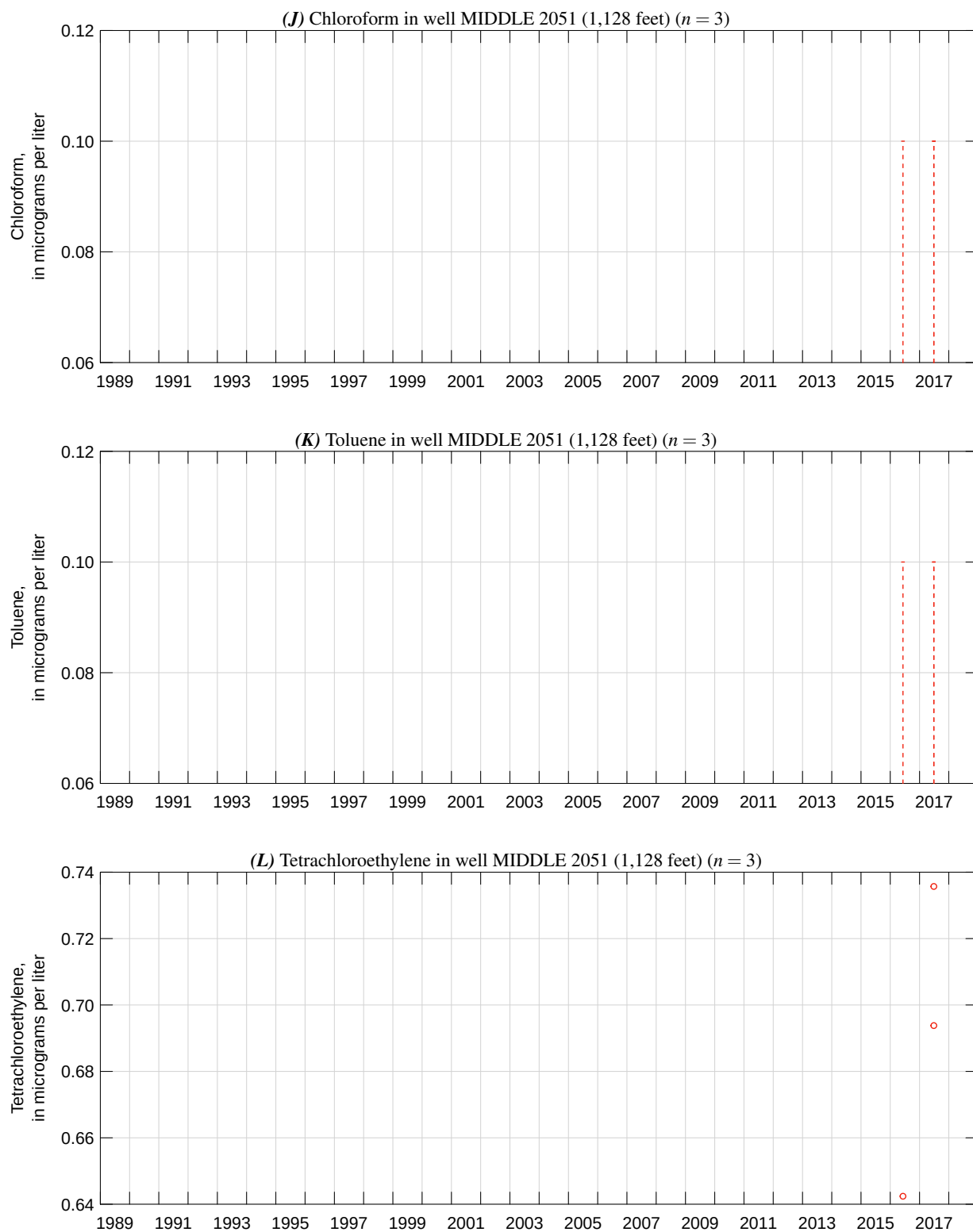


Figure 4.18. —Continued

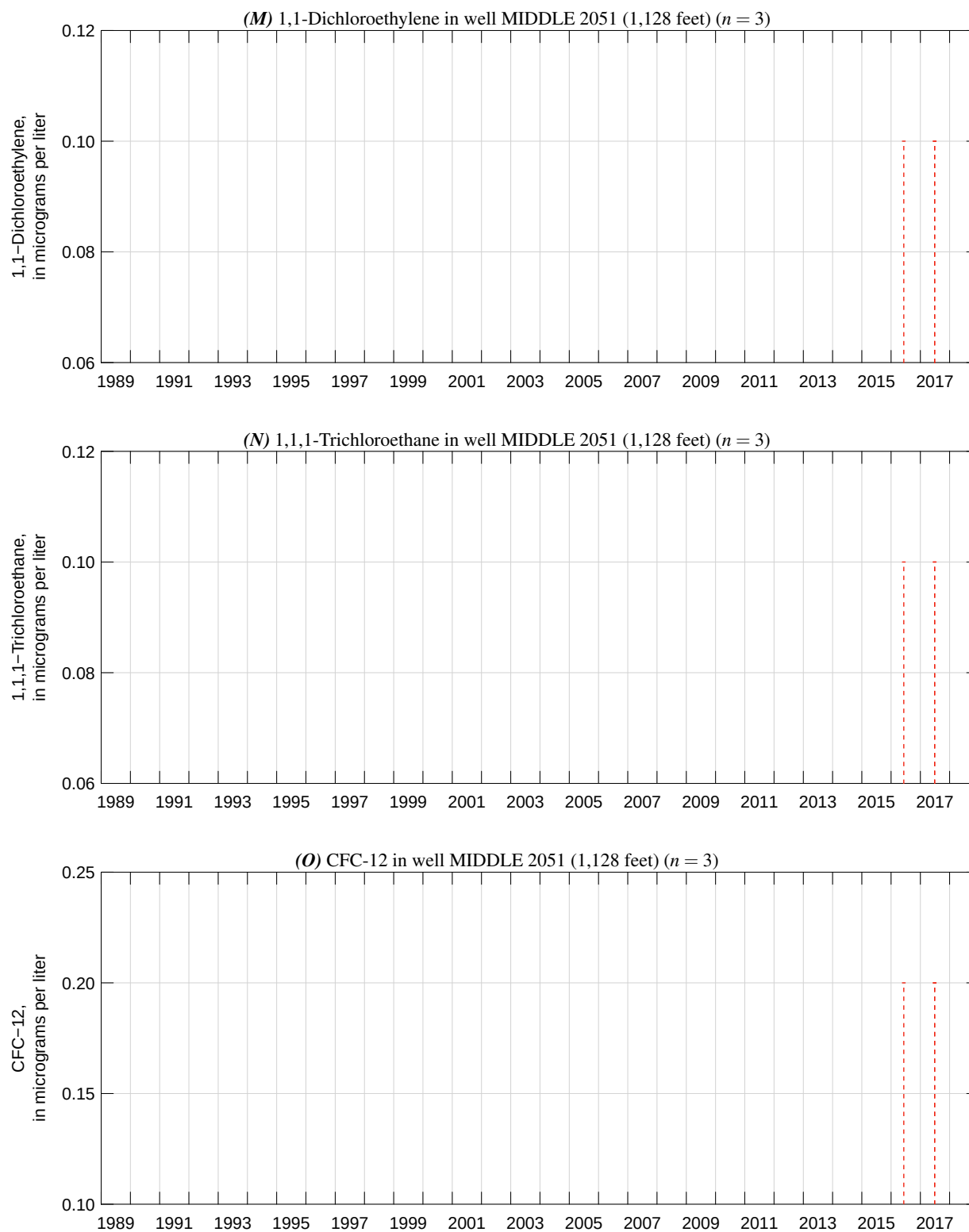


Figure 4.18. —Continued

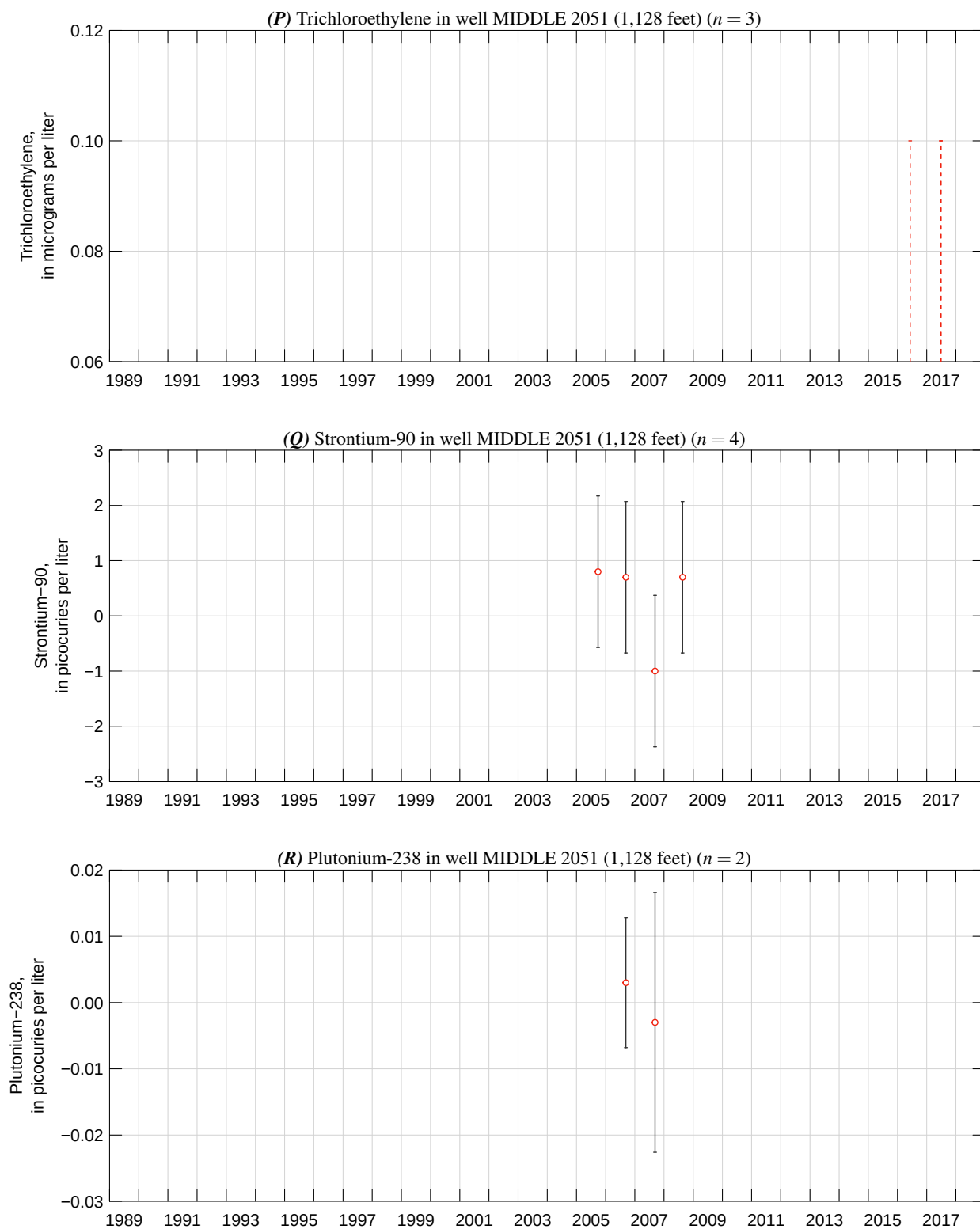


Figure 4.18. —Continued

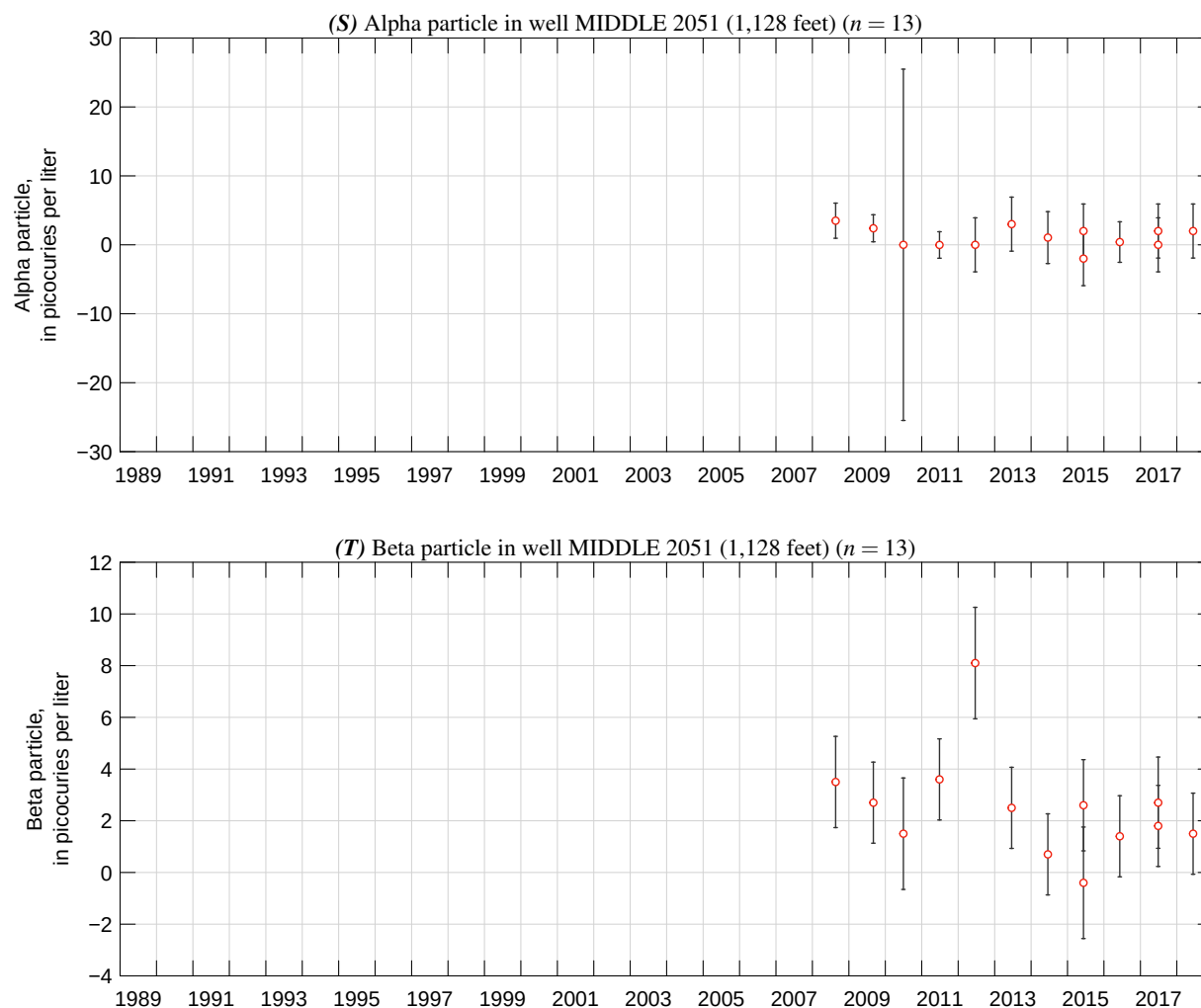


Figure 4.18. —Continued

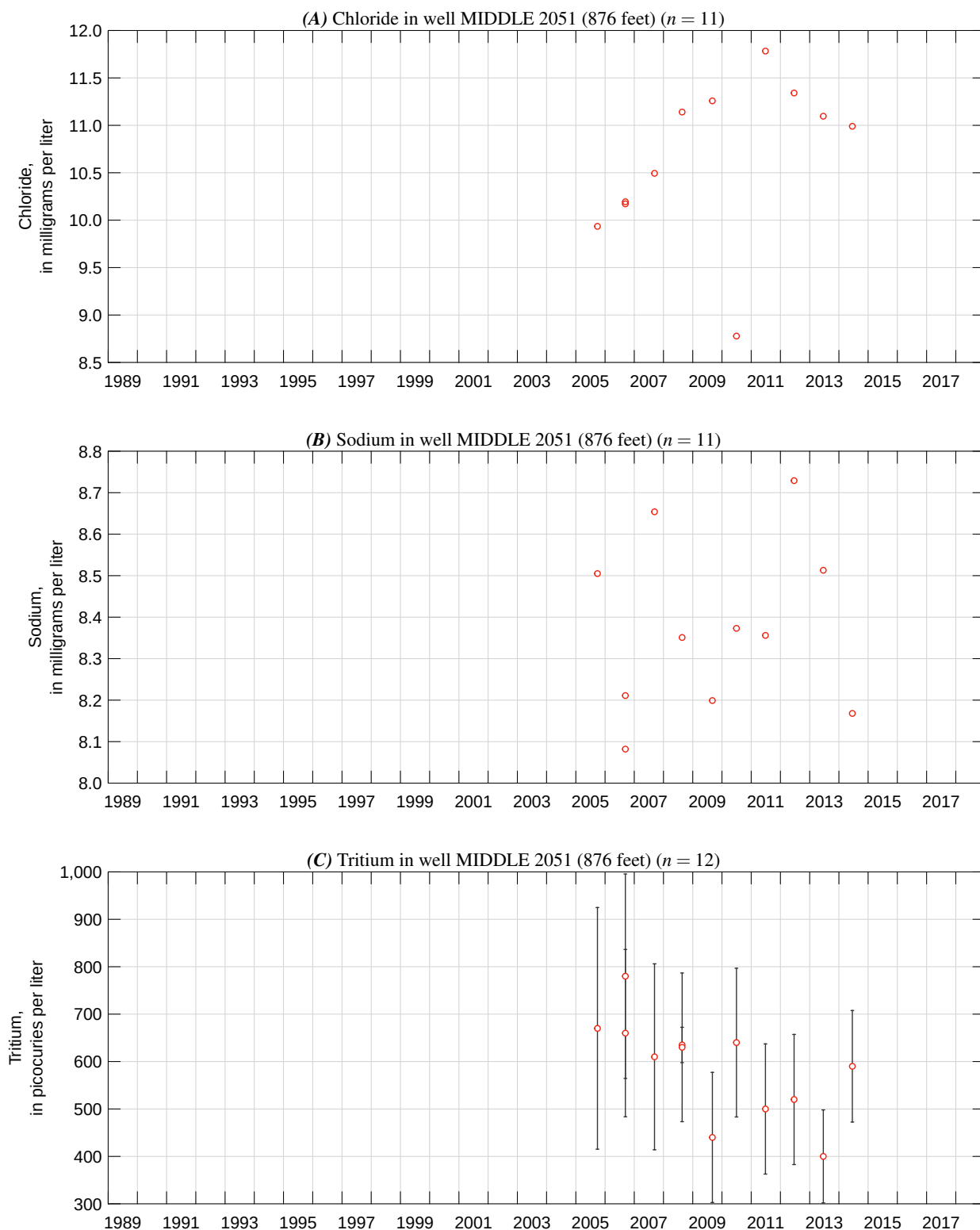


Figure 4.19. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, (R) plutonium-238, (S) alpha particle, and (T) beta particle concentrations in water collected from well MIDDLE 2051 (876 feet) (Site No. 433217113004906), Idaho National Laboratory, Idaho, 1989–2018.

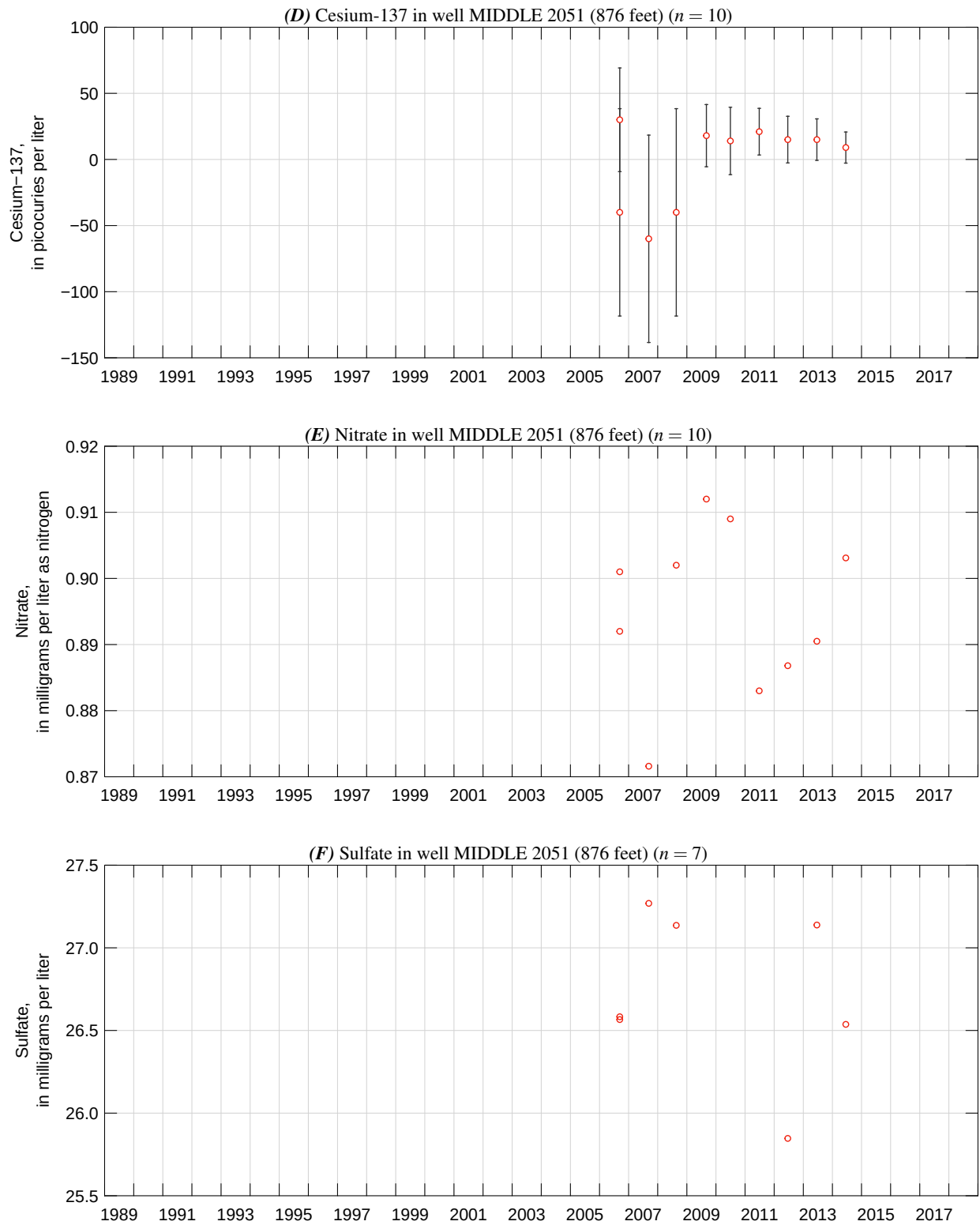


Figure 4.19. —Continued

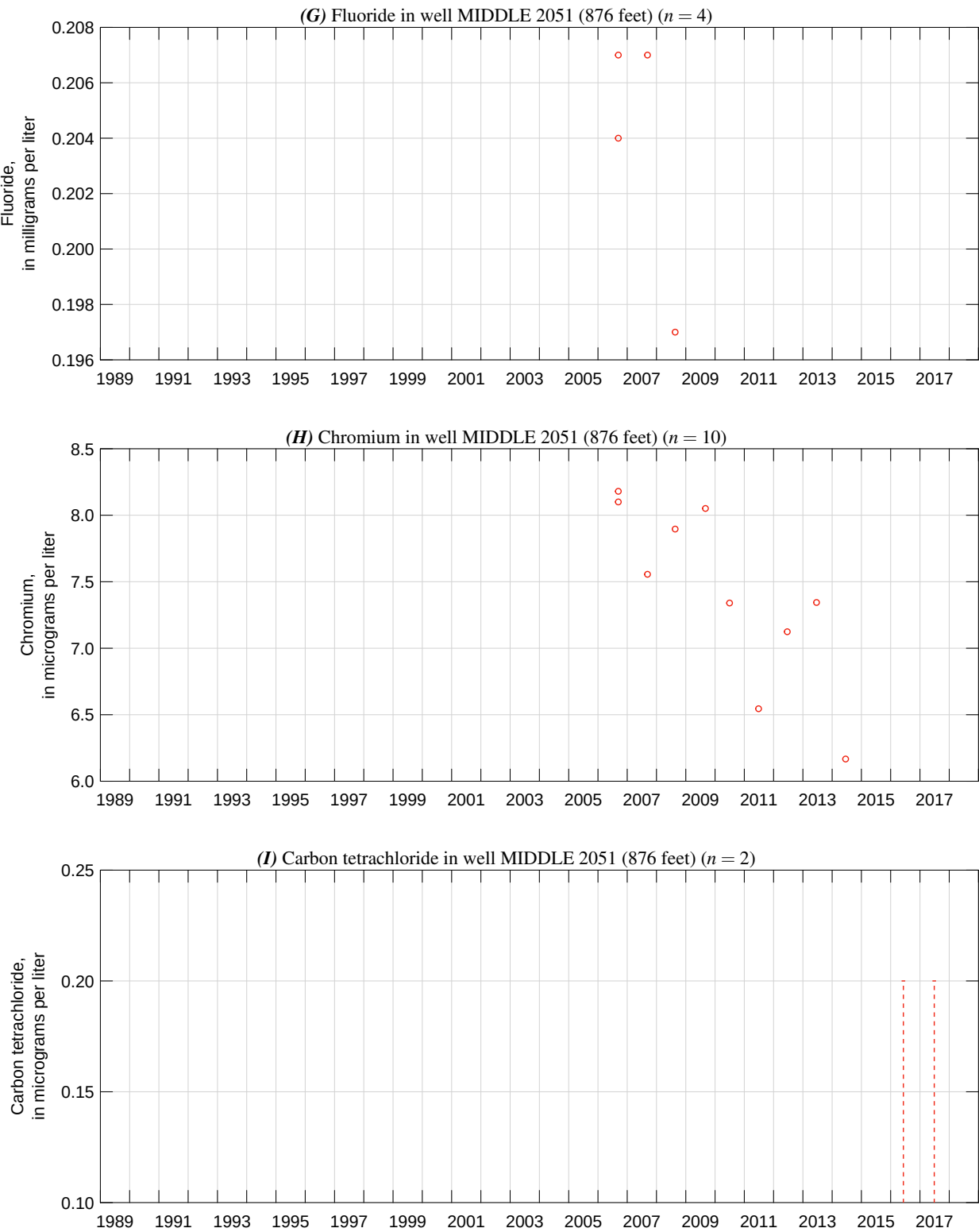


Figure 4.19. —Continued

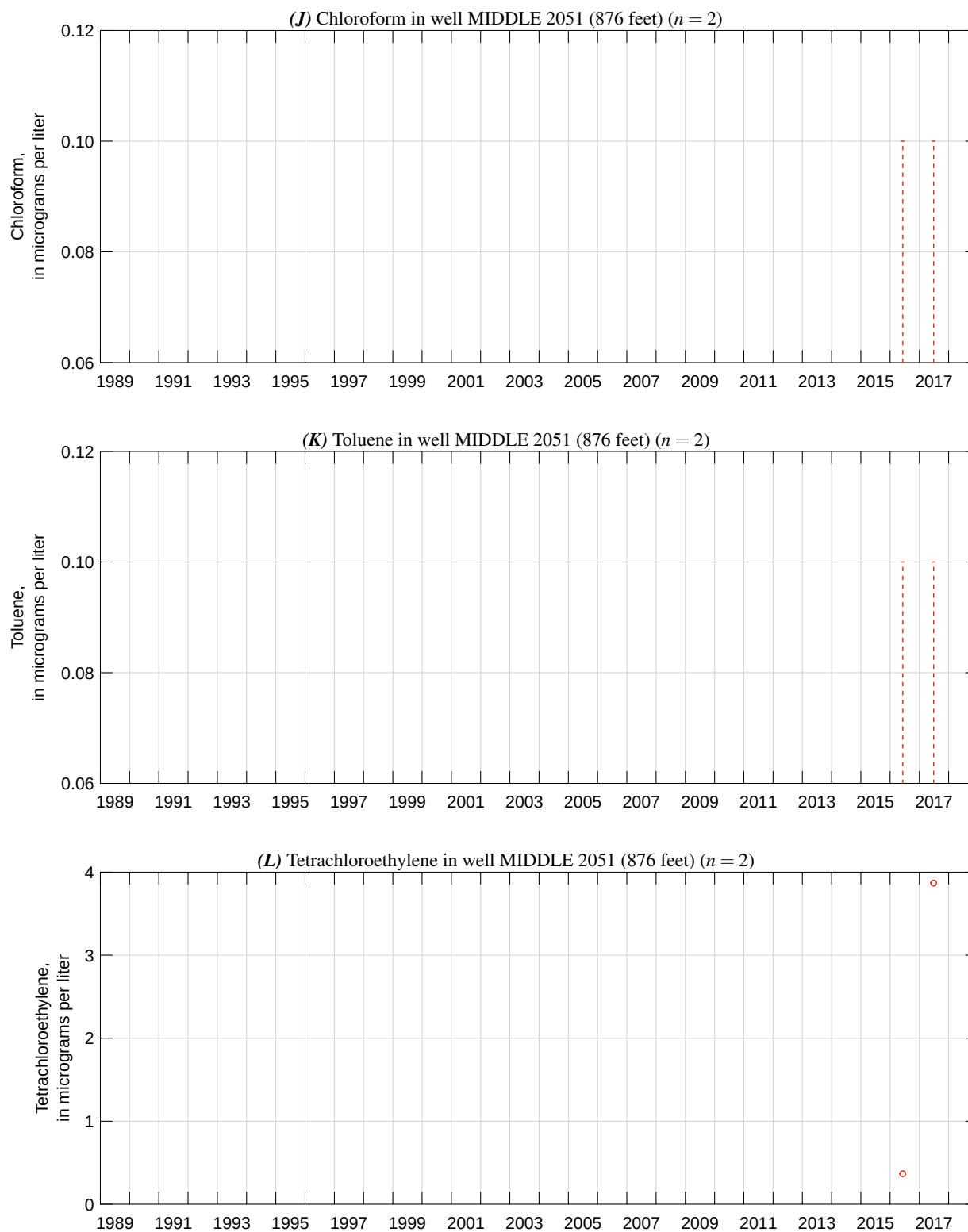


Figure 4.19. —Continued

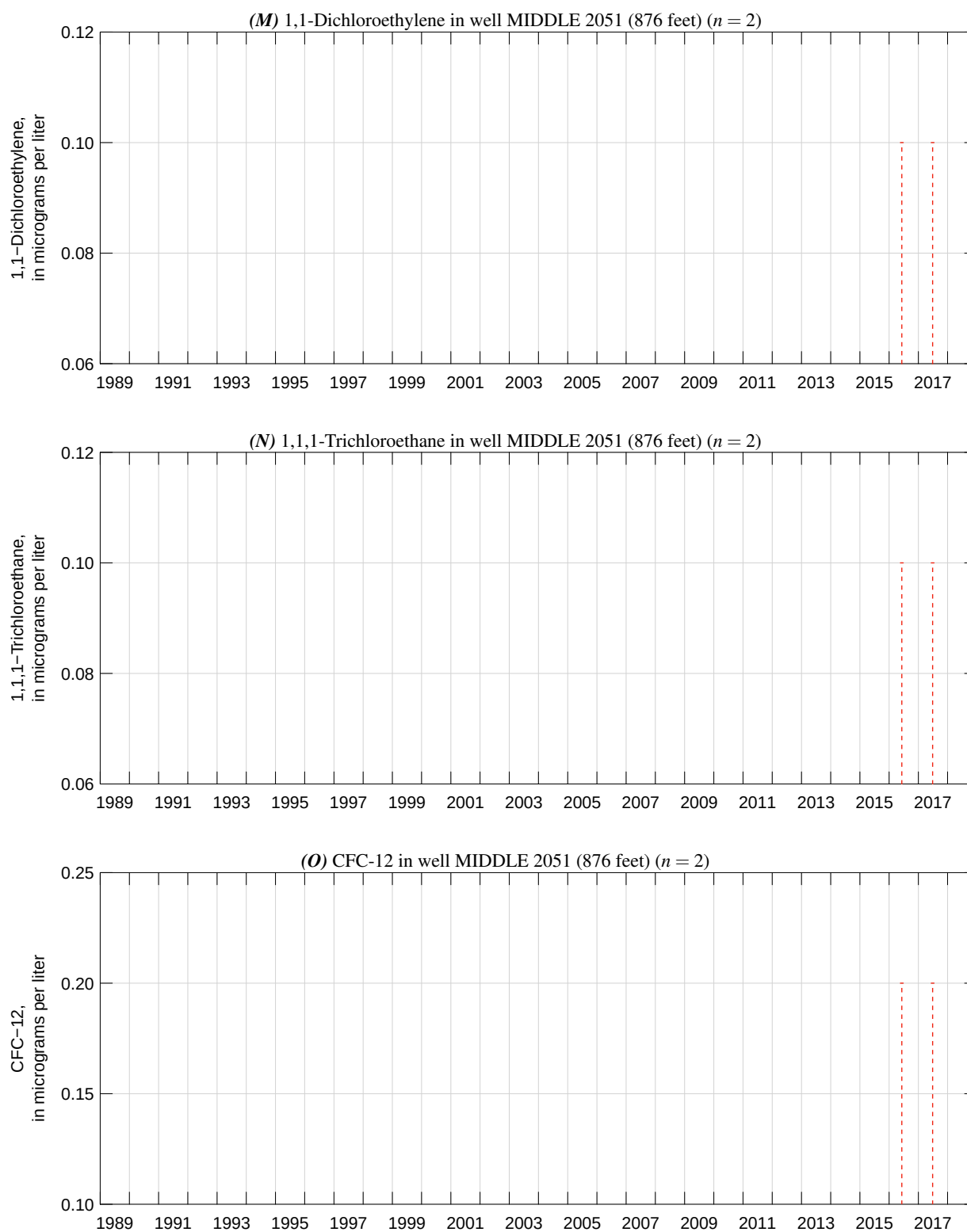


Figure 4.19. —Continued

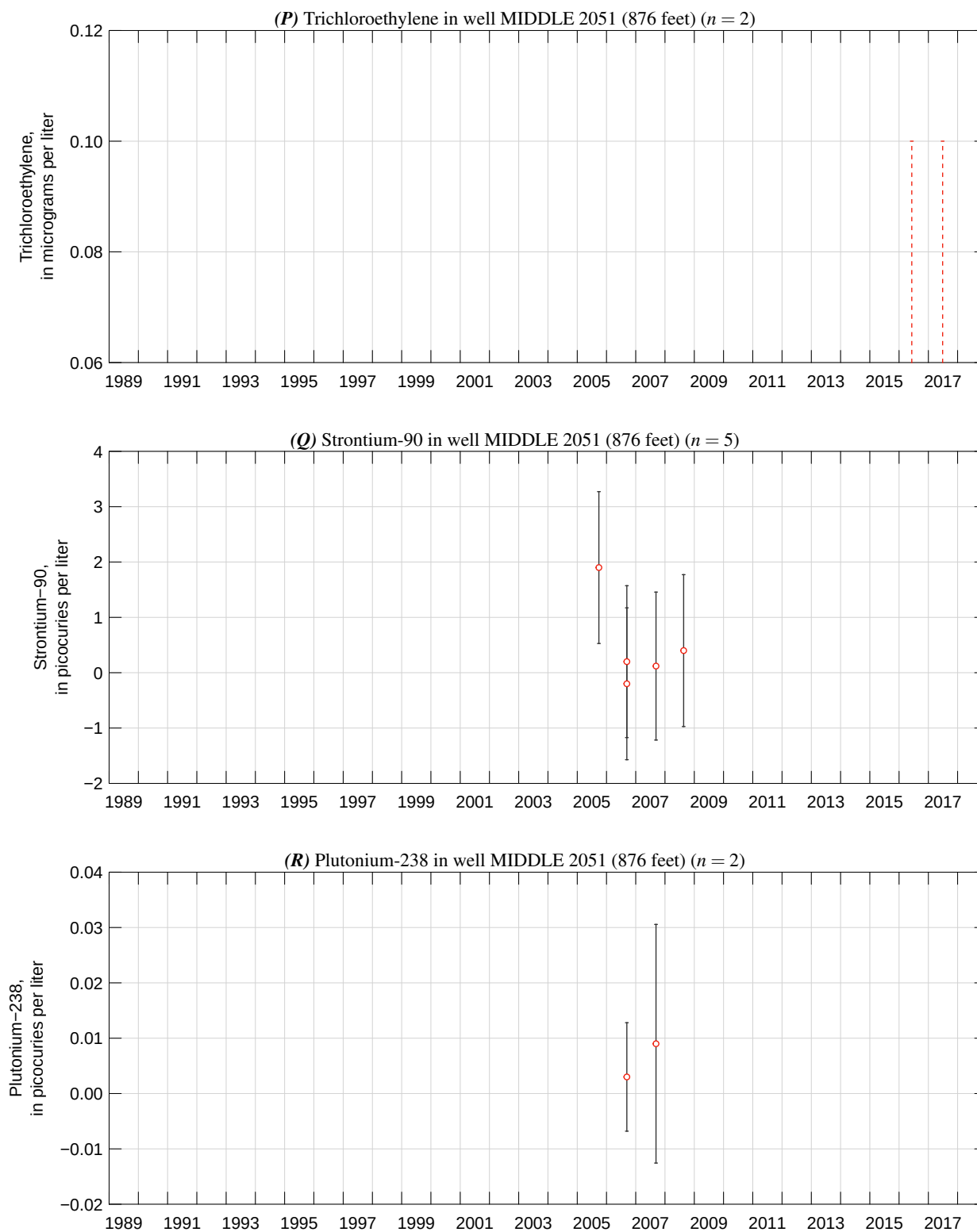


Figure 4.19. —Continued

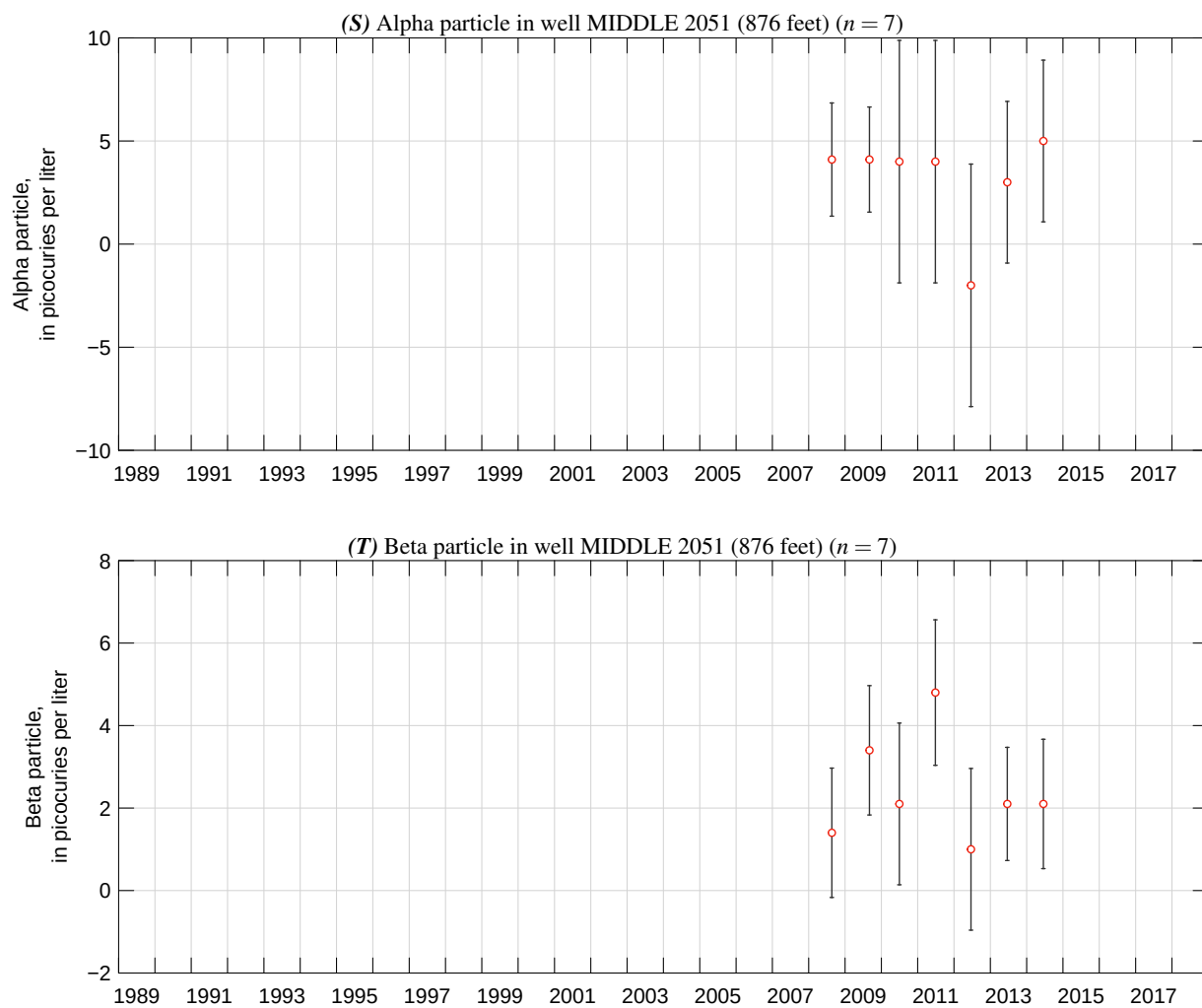


Figure 4.19. —Continued

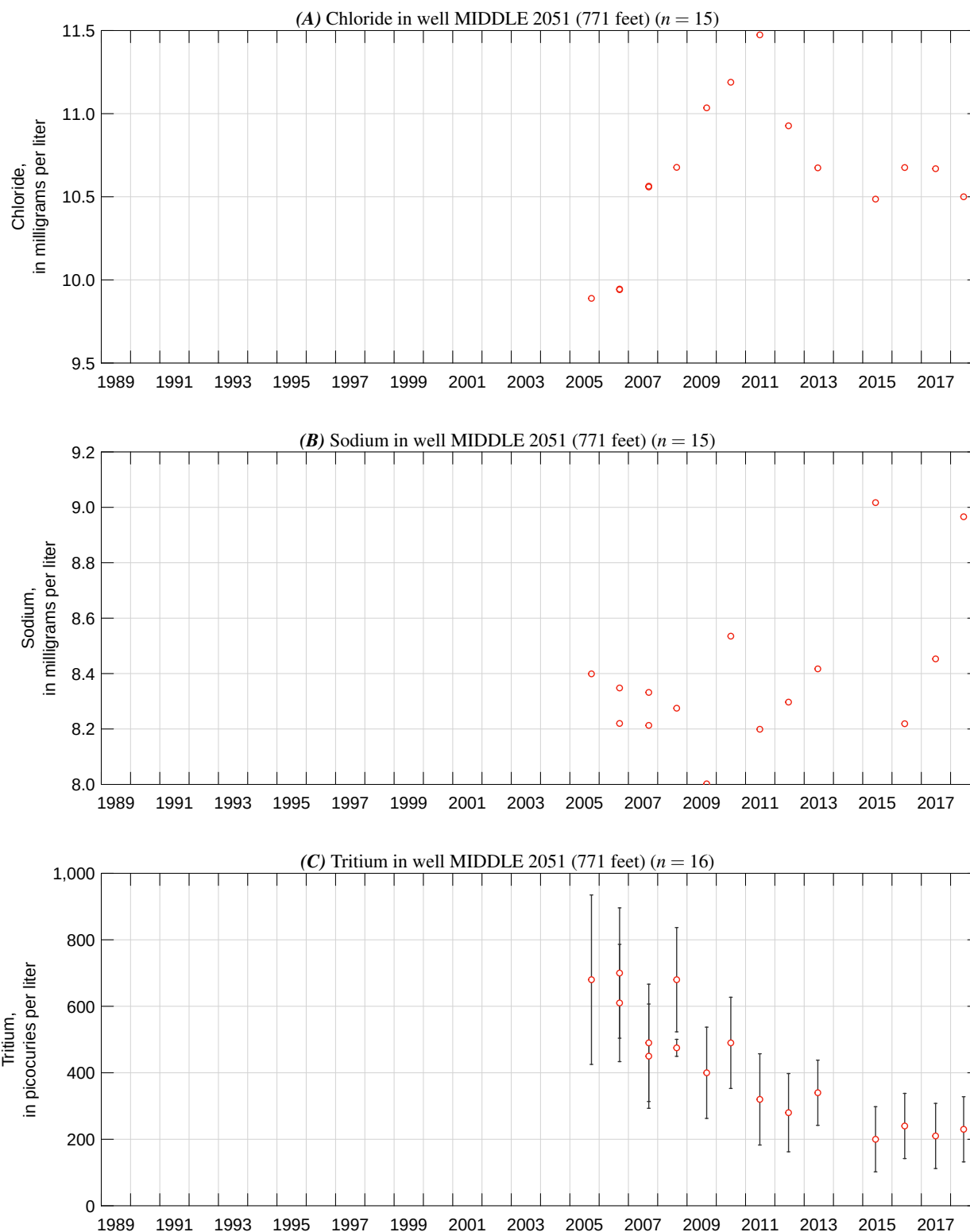


Figure 4.20. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, (R) plutonium-238, (S) alpha particle, and (T) beta particle concentrations in water collected from well MIDDLE 2051 (771 feet) (Site No. 433217113004909), Idaho National Laboratory, Idaho, 1989–2018.

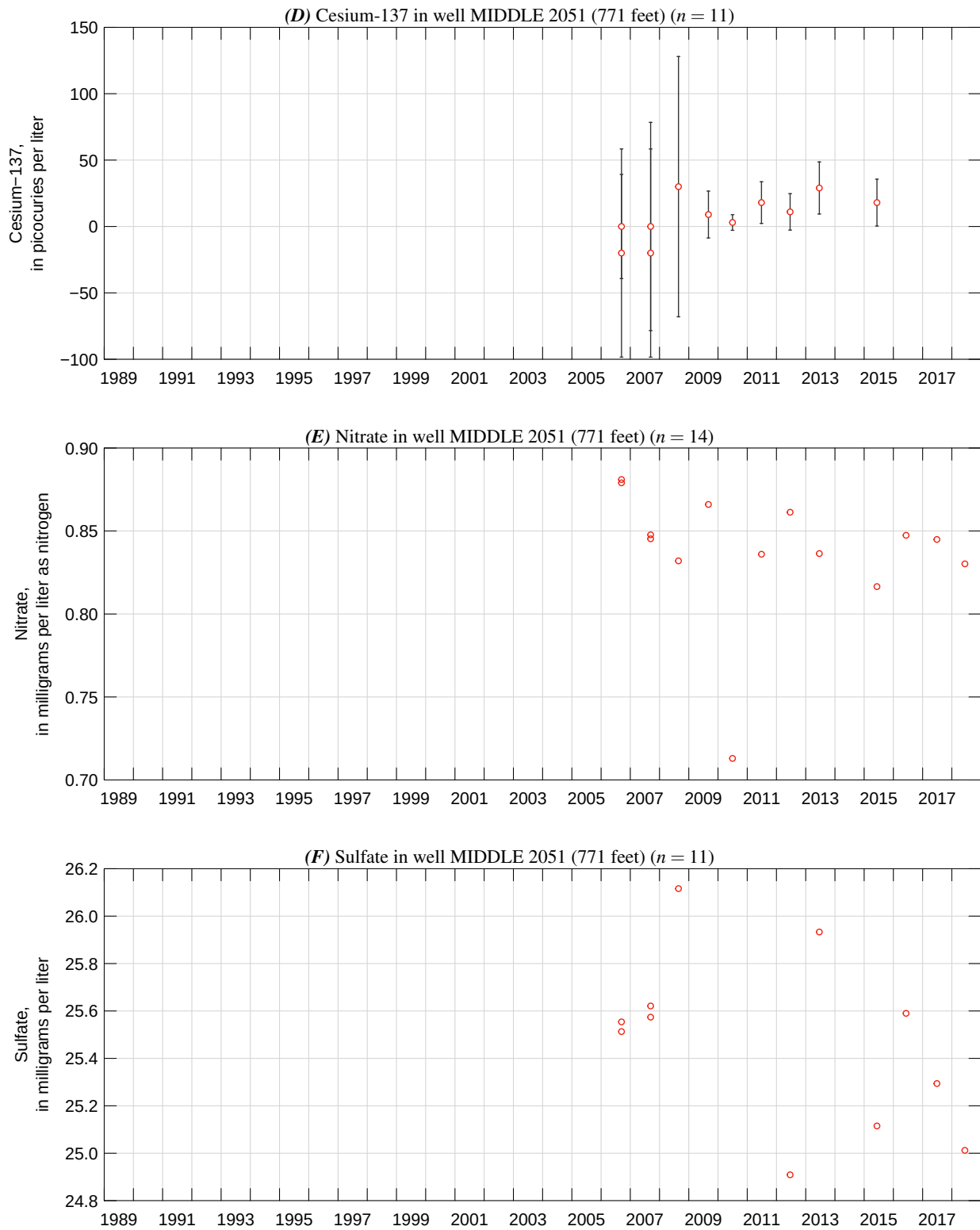


Figure 4.20. —Continued

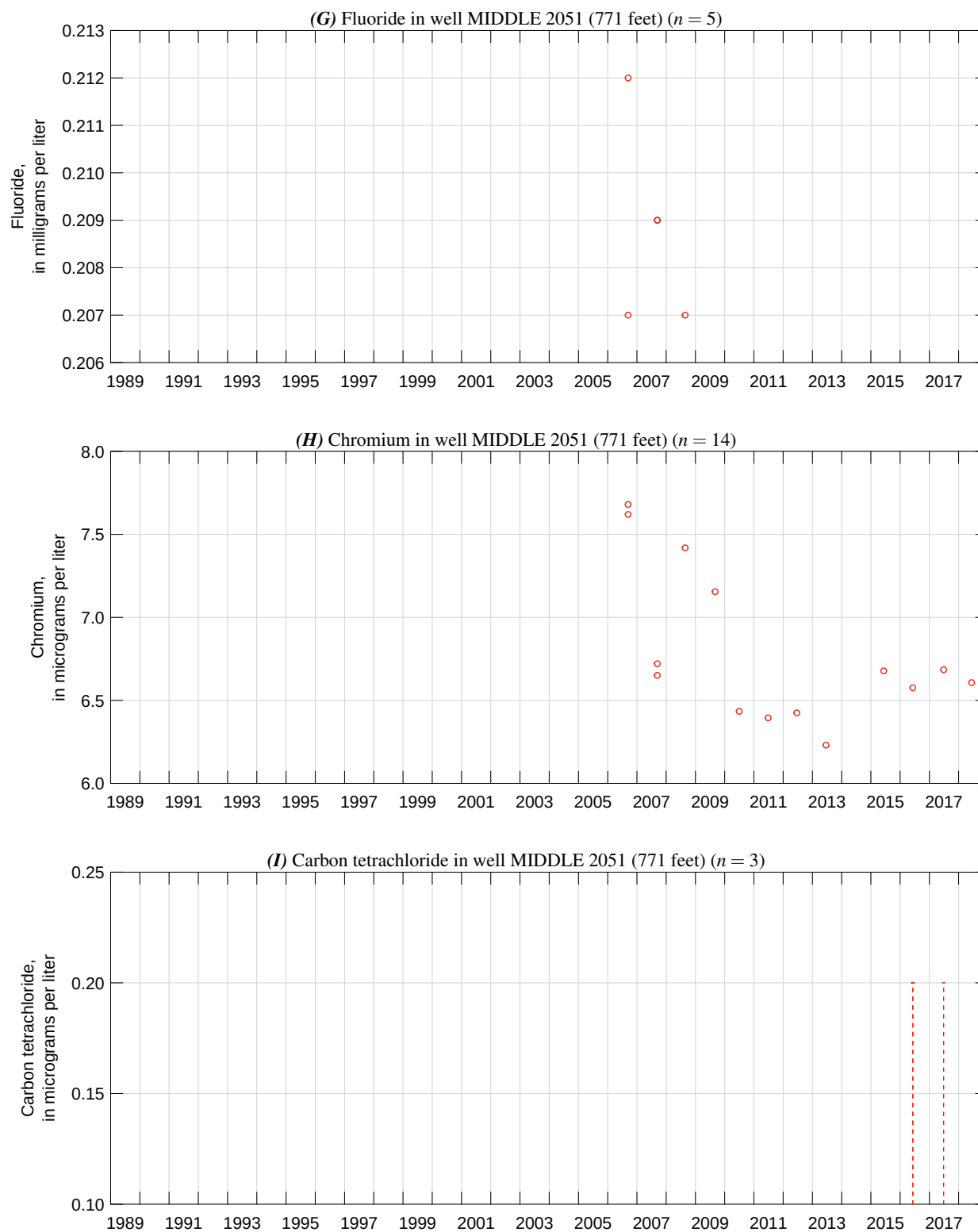


Figure 4.20. —Continued

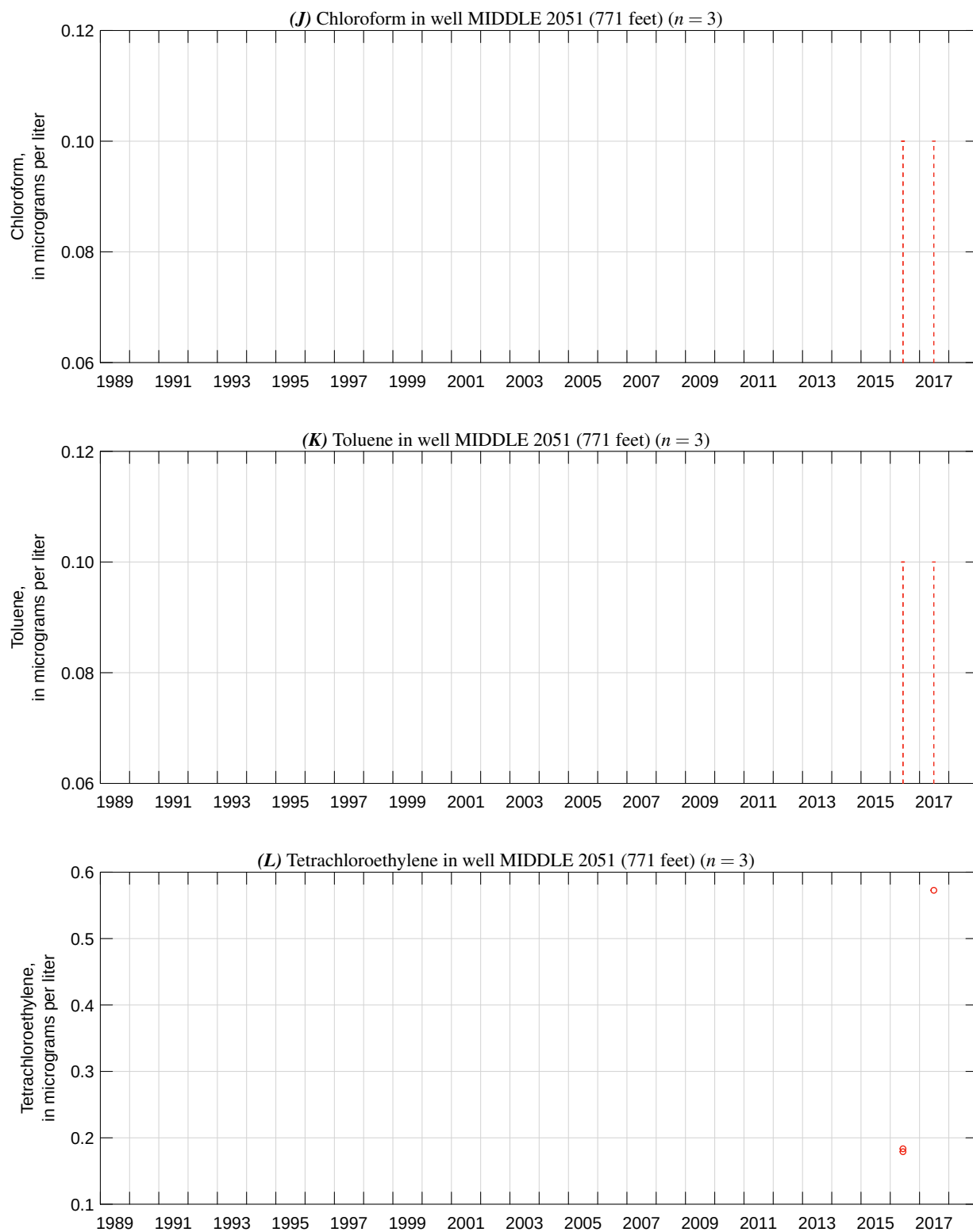


Figure 4.20. —Continued

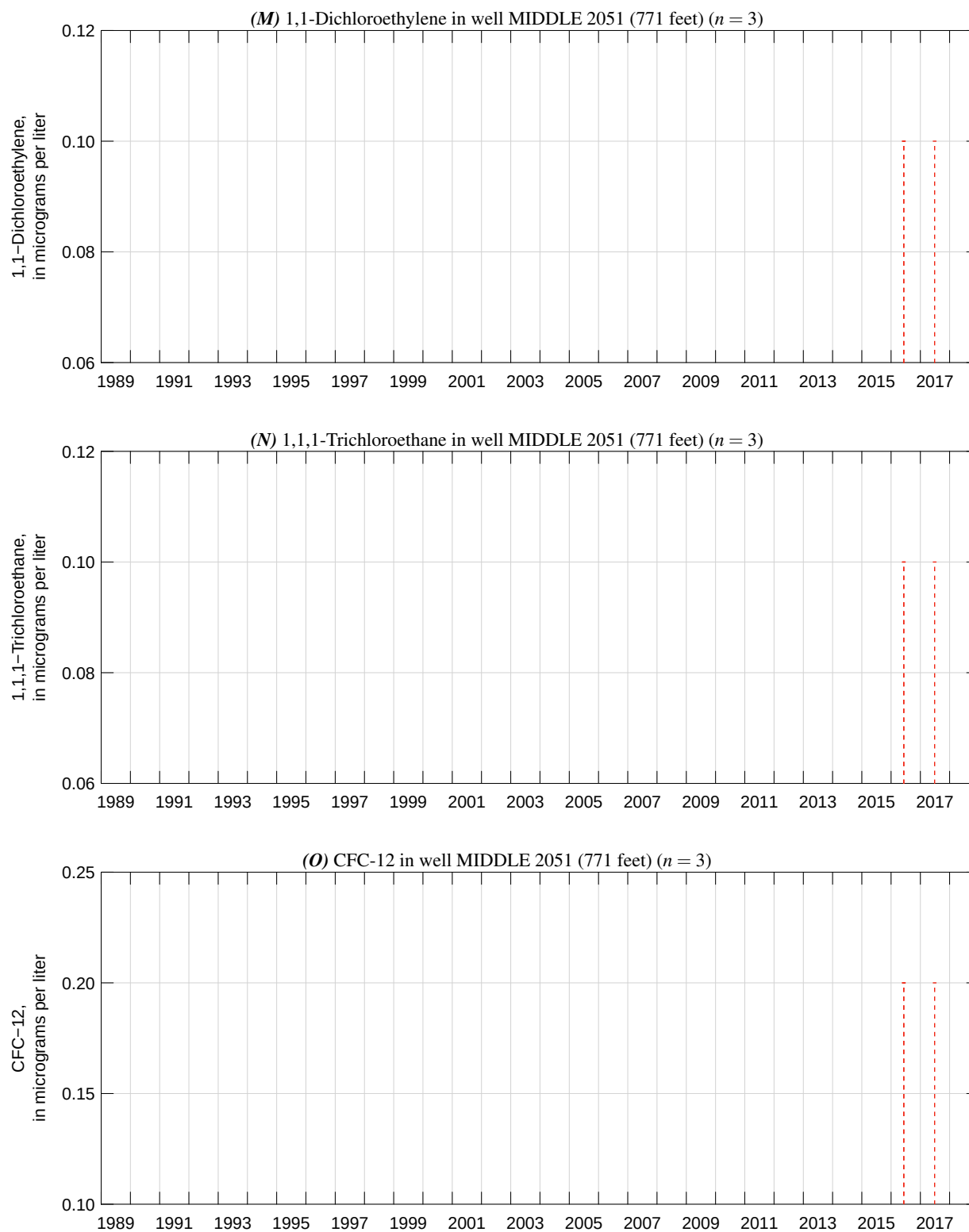


Figure 4.20. —Continued

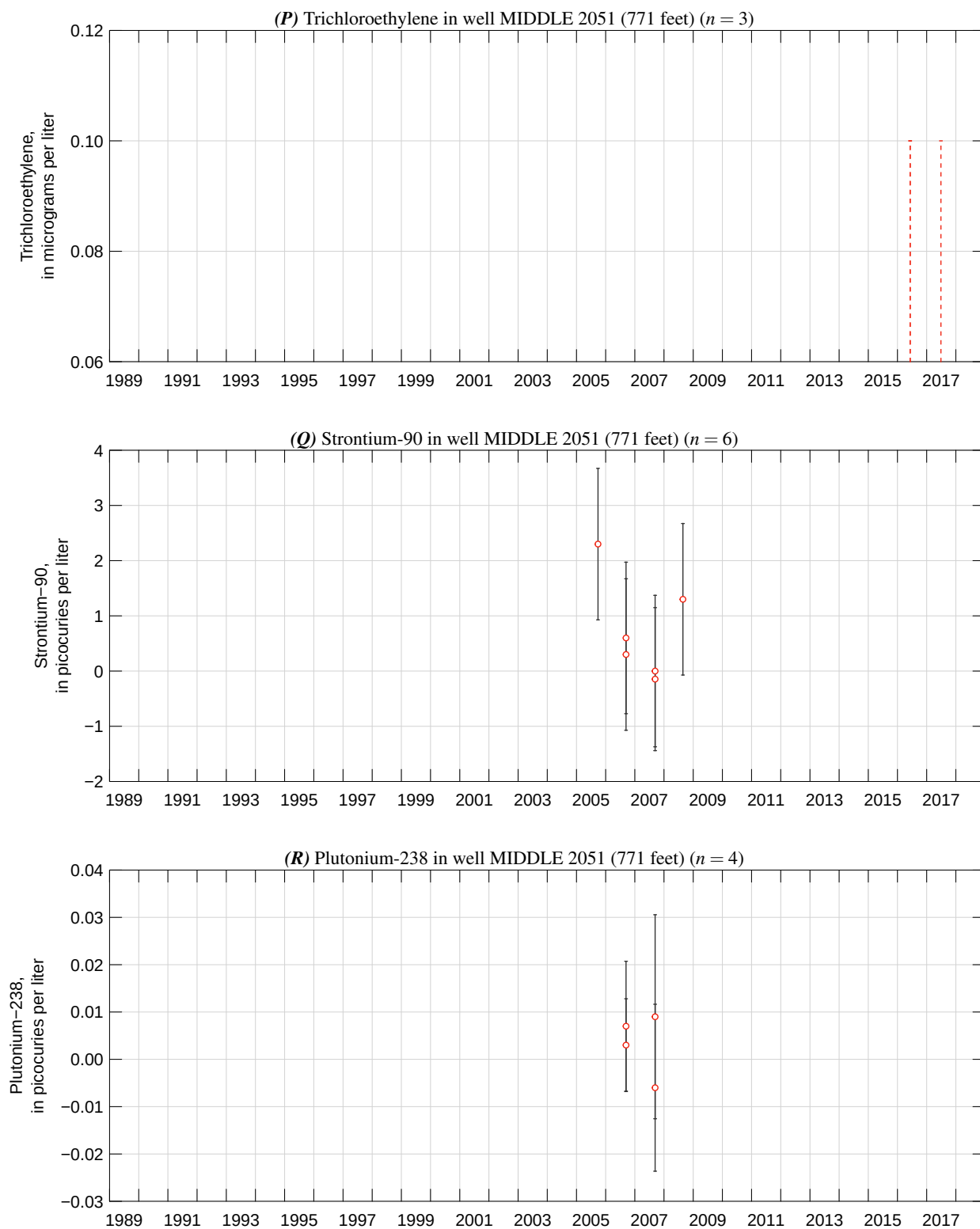


Figure 4.20. —Continued

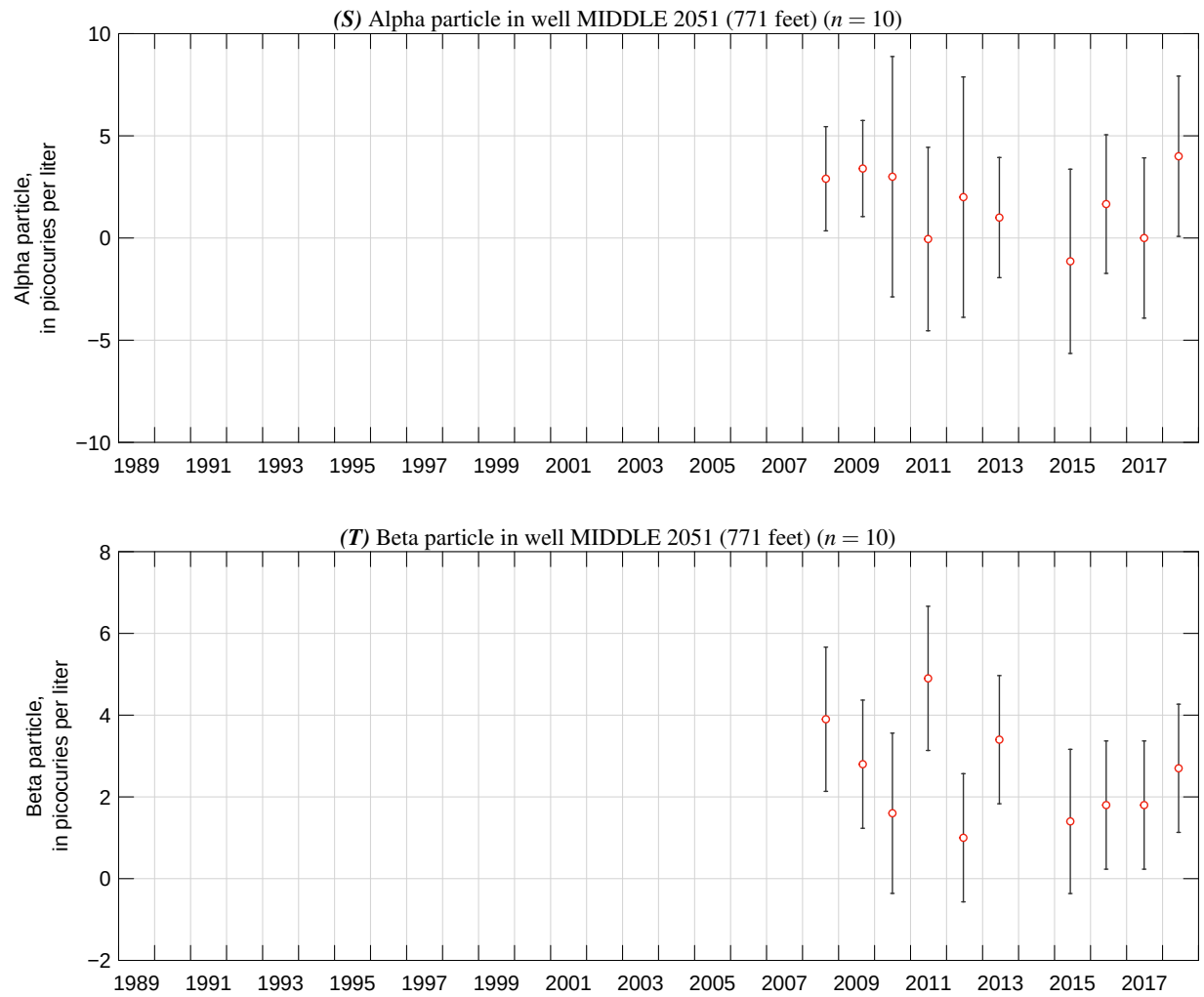


Figure 4.20. —Continued

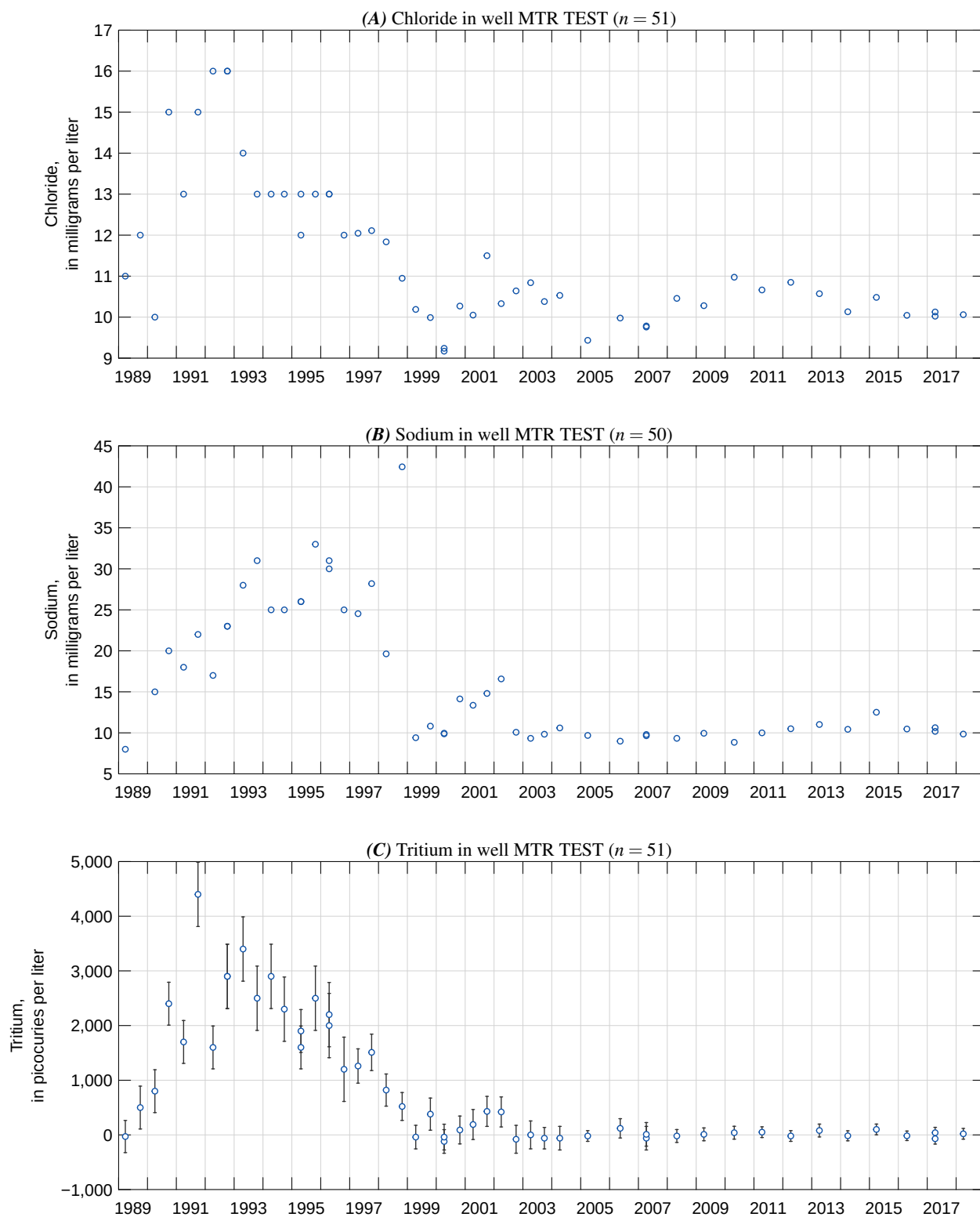


Figure 4.21. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) nitrate, (E) sulfate, (F) fluoride, and (G) chromium concentrations in water collected from well MTR TEST (Site No. 433520112572601), Idaho National Laboratory, Idaho, 1989–2018.

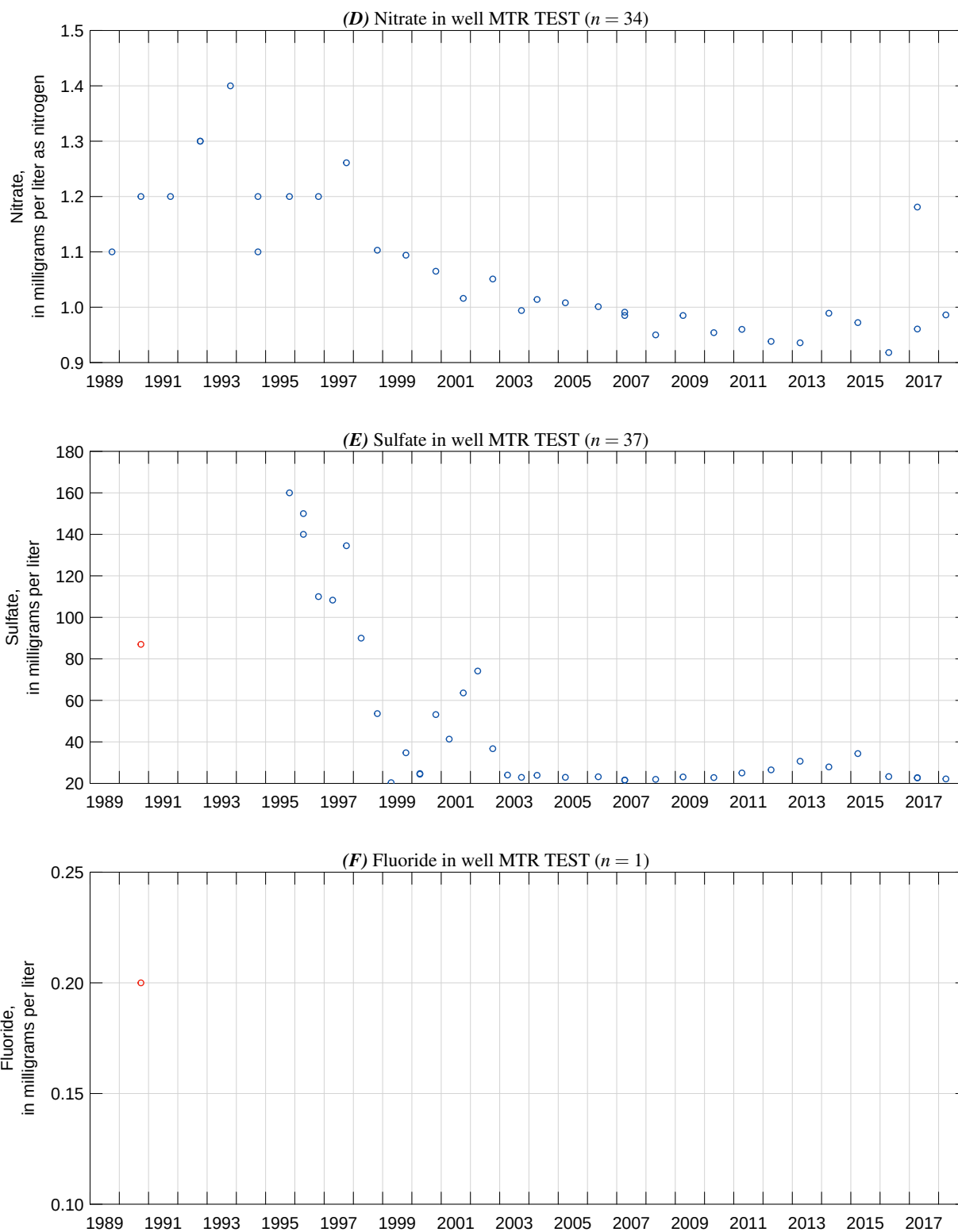


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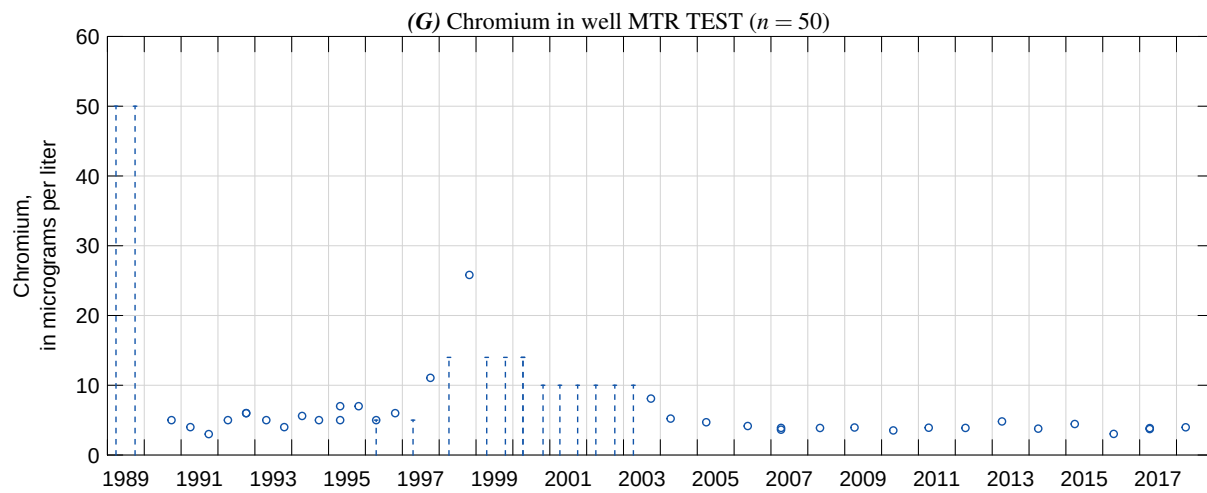


Figure 4.21. —Continued

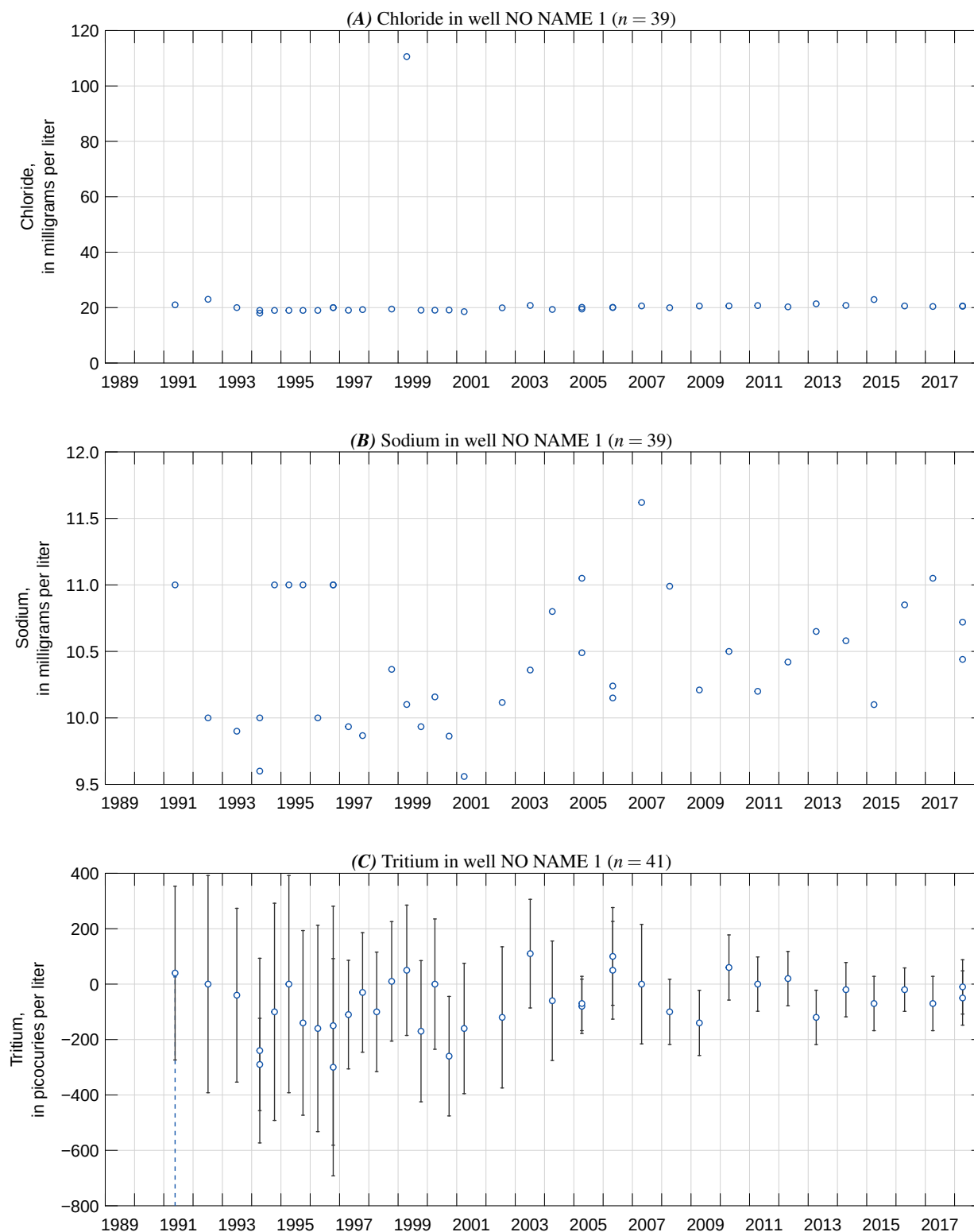


Figure 4.22. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, (R) plutonium-238, (S) alpha particle, and (T) beta particle concentrations in water collected from well NO NAME 1 (Site No. 435038112453401), Idaho National Laboratory, Idaho, 1989–2018.

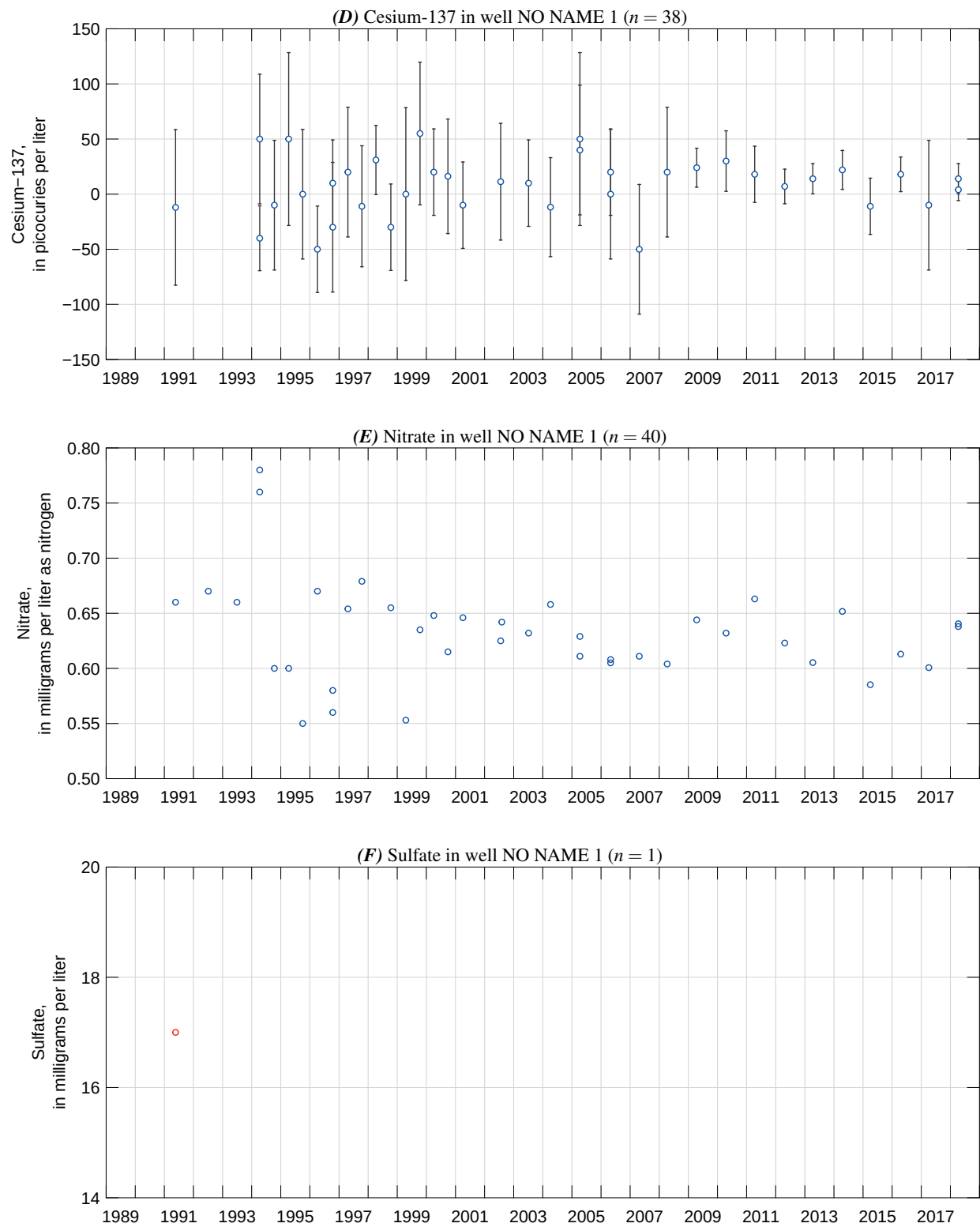


Figure 4.22. —Continued

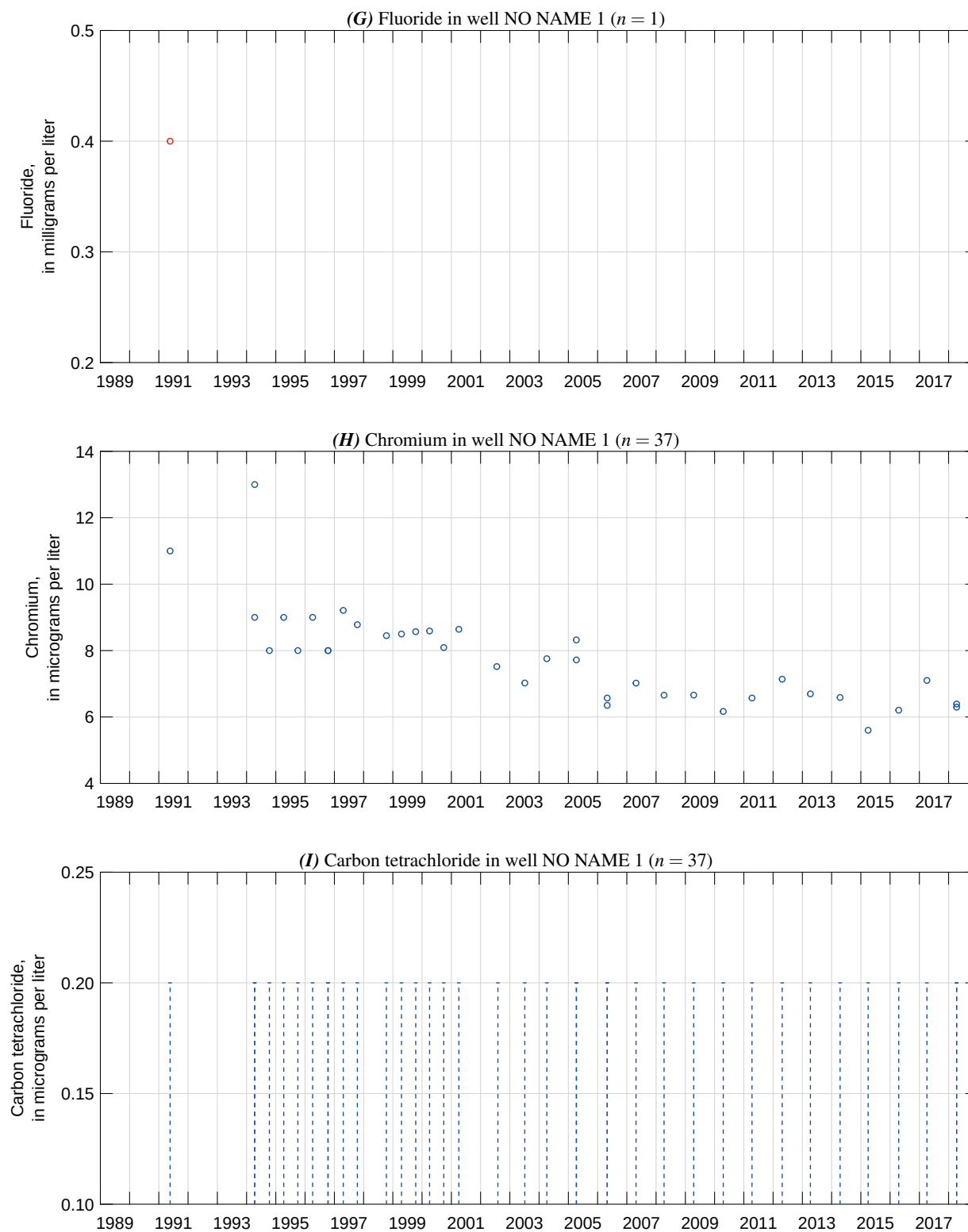


Figure 4.22. —Continued

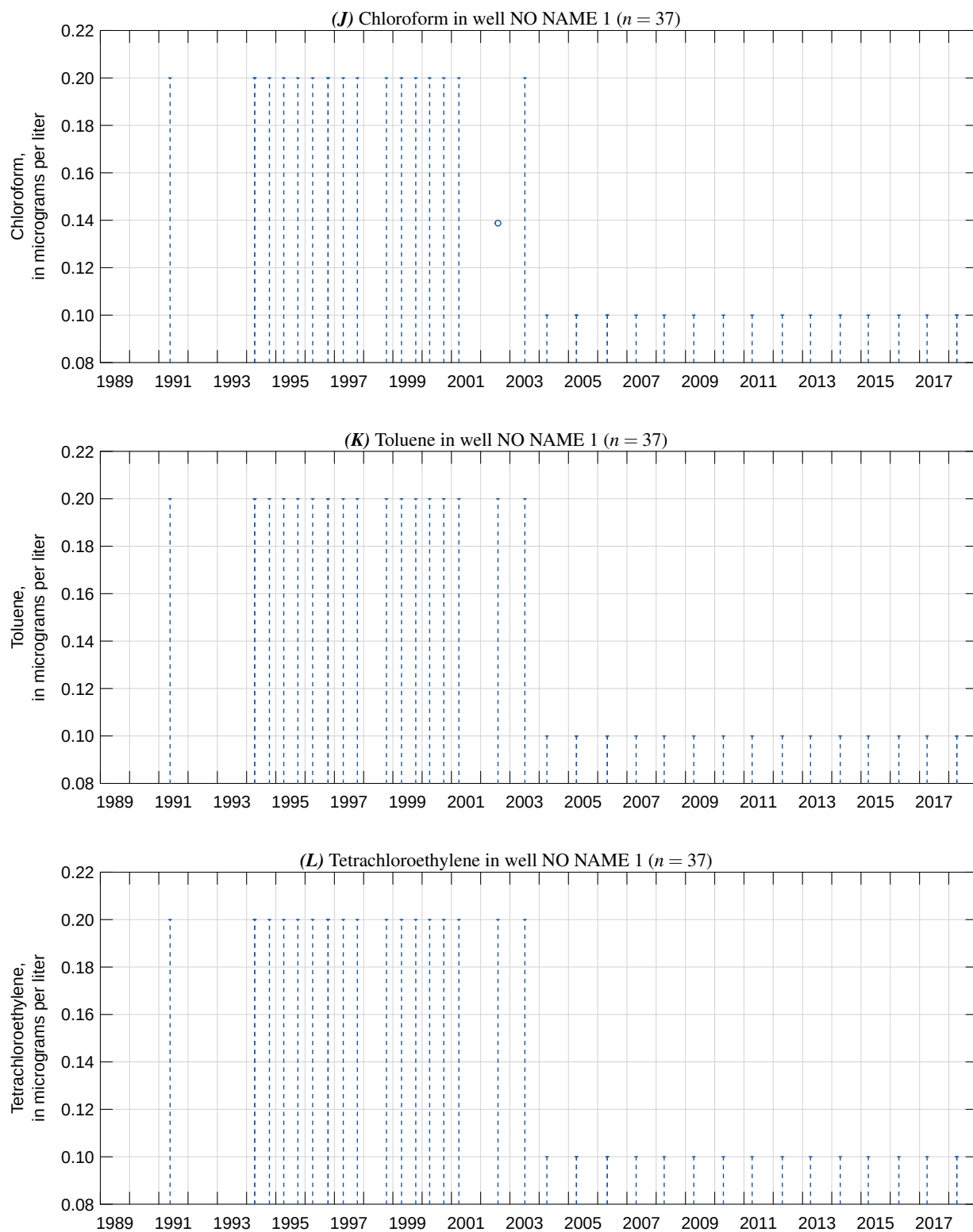


Figure 4.22. —Continued

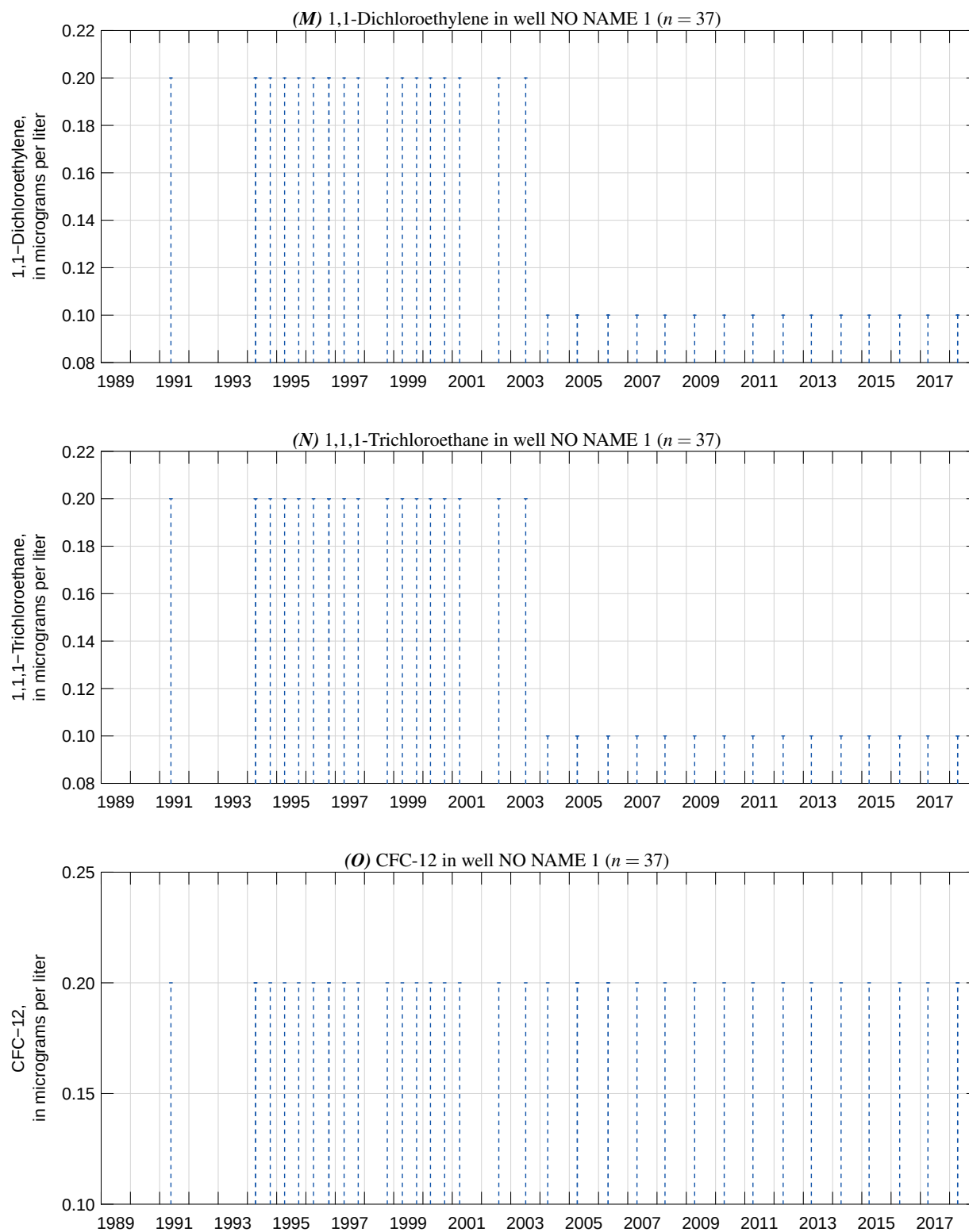


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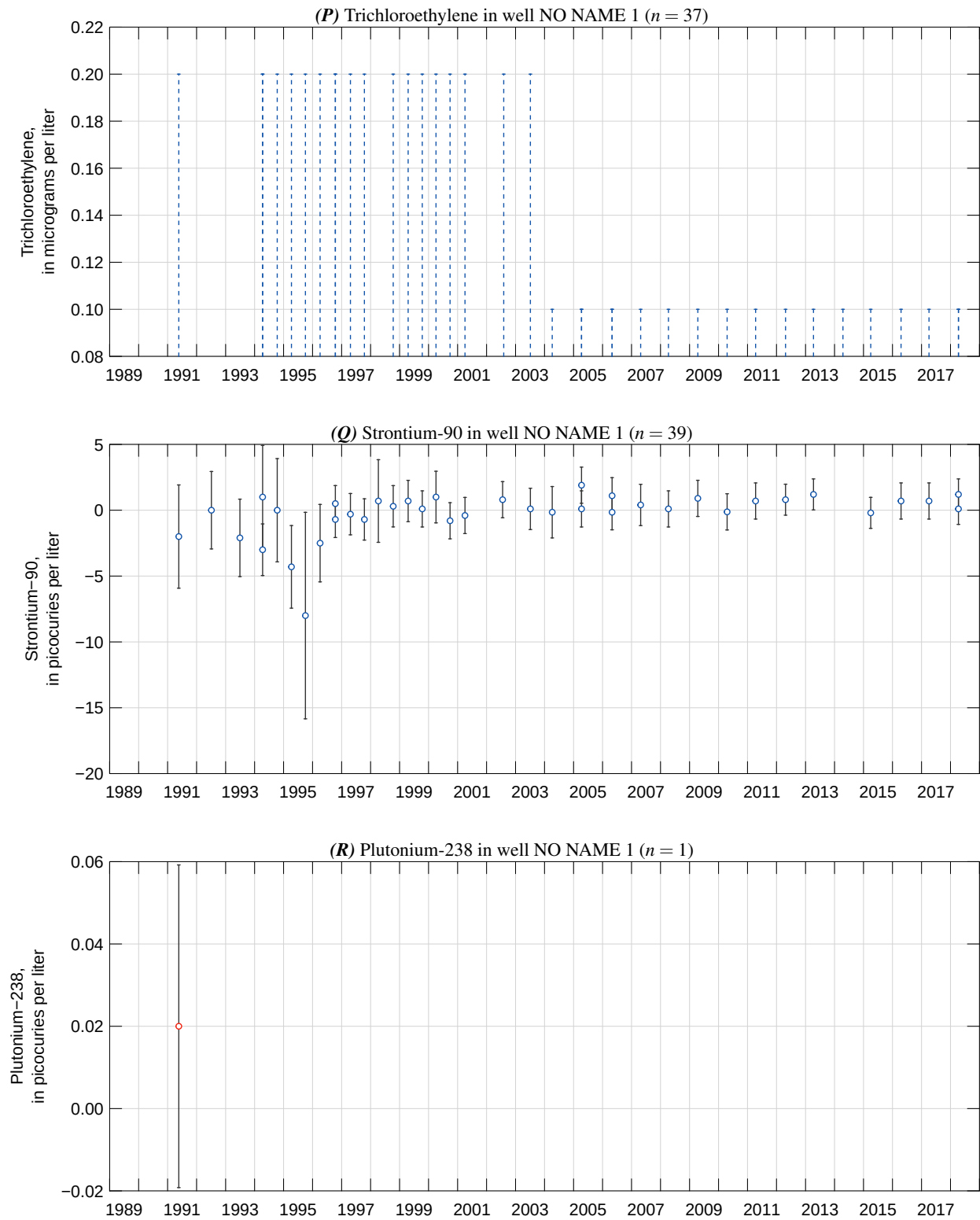


Figure 4.22. —Continued

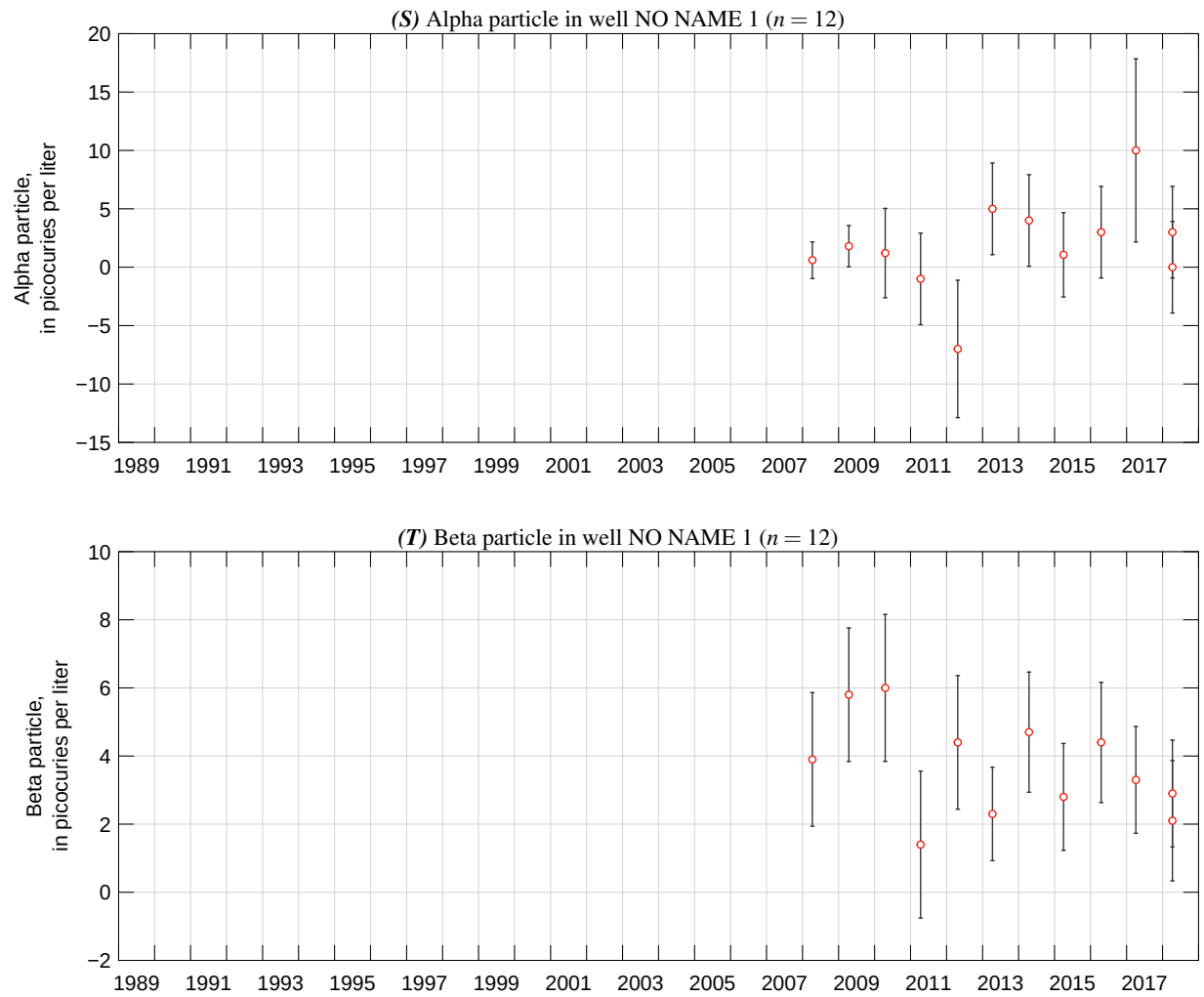


Figure 4.22. —Continued

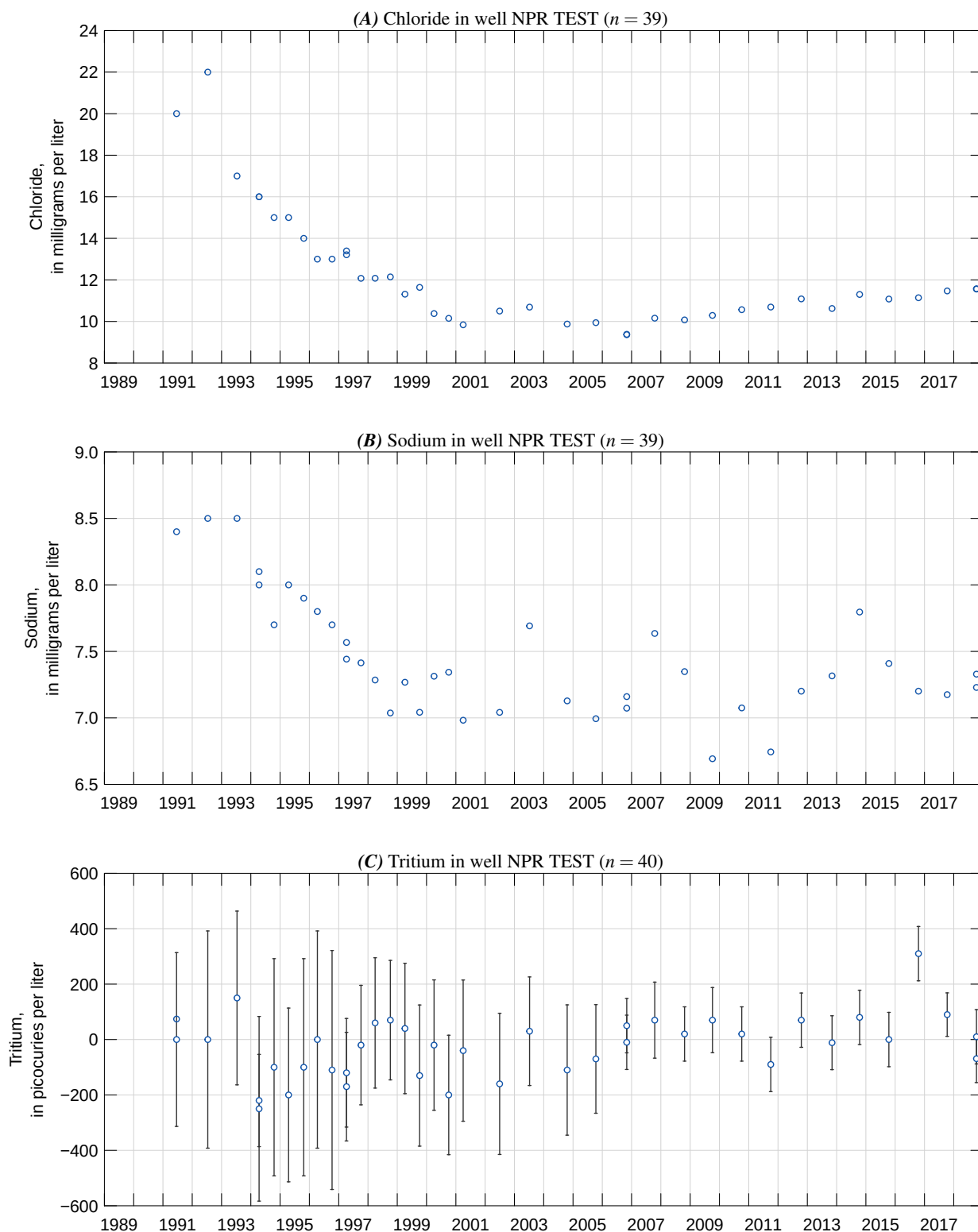


Figure 4.23. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, (R) plutonium-238, (S) alpha particle, and (T) beta particle concentrations in water collected from well NPR TEST (Site No. 433449112523101), Idaho National Laboratory, Idaho, 1989–2018.

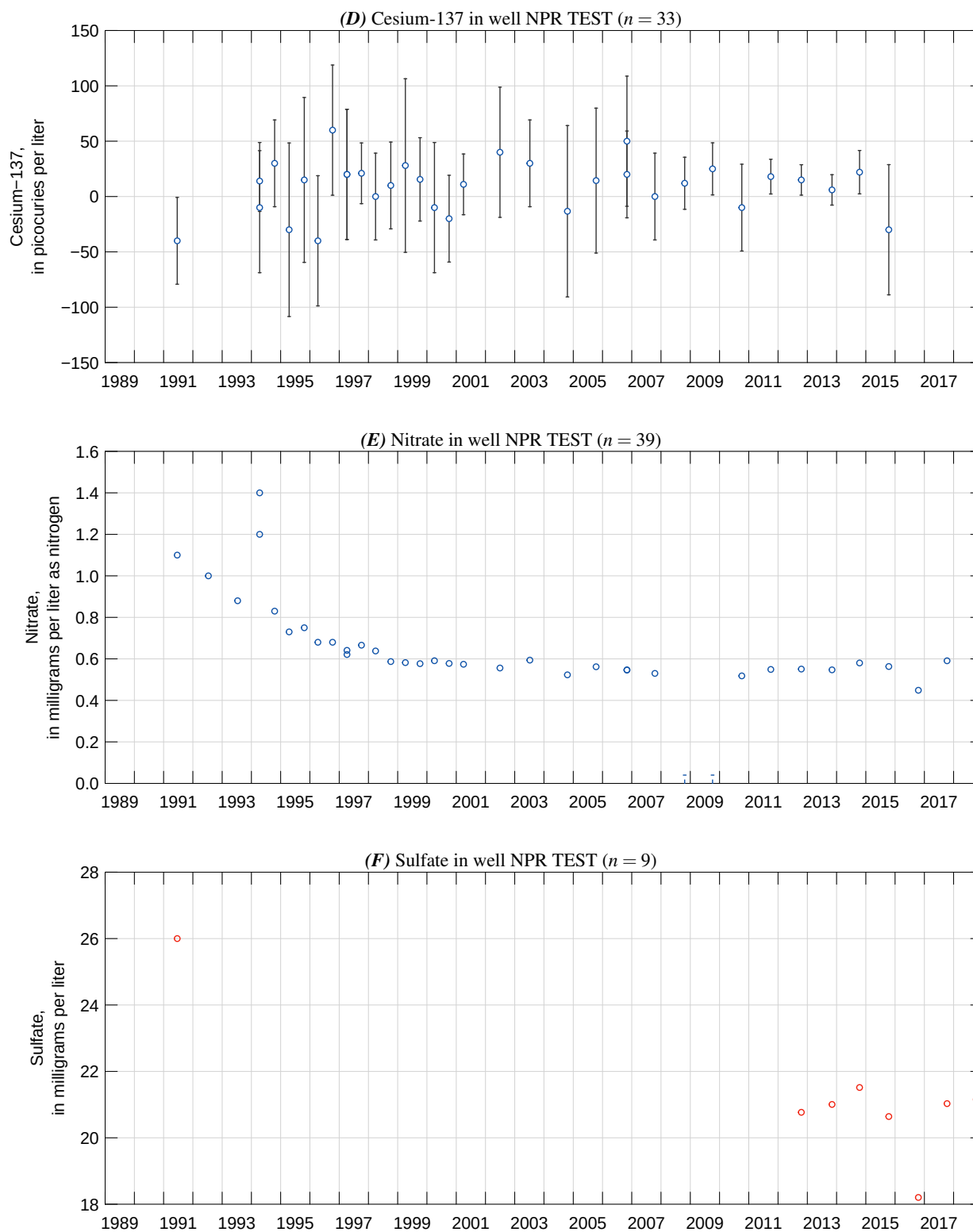


Figure 4.23. —Continued

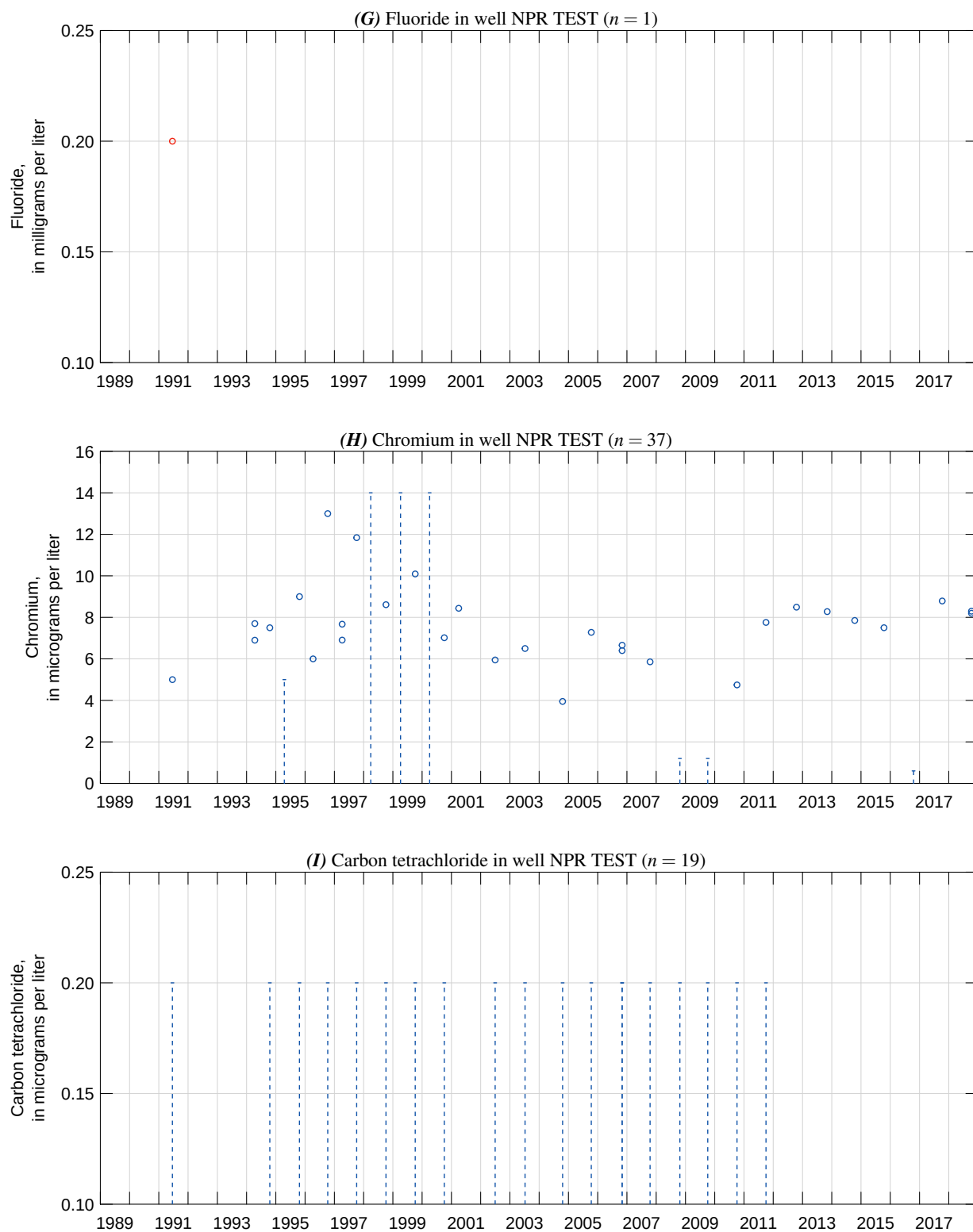


Figure 4.23. —Continued

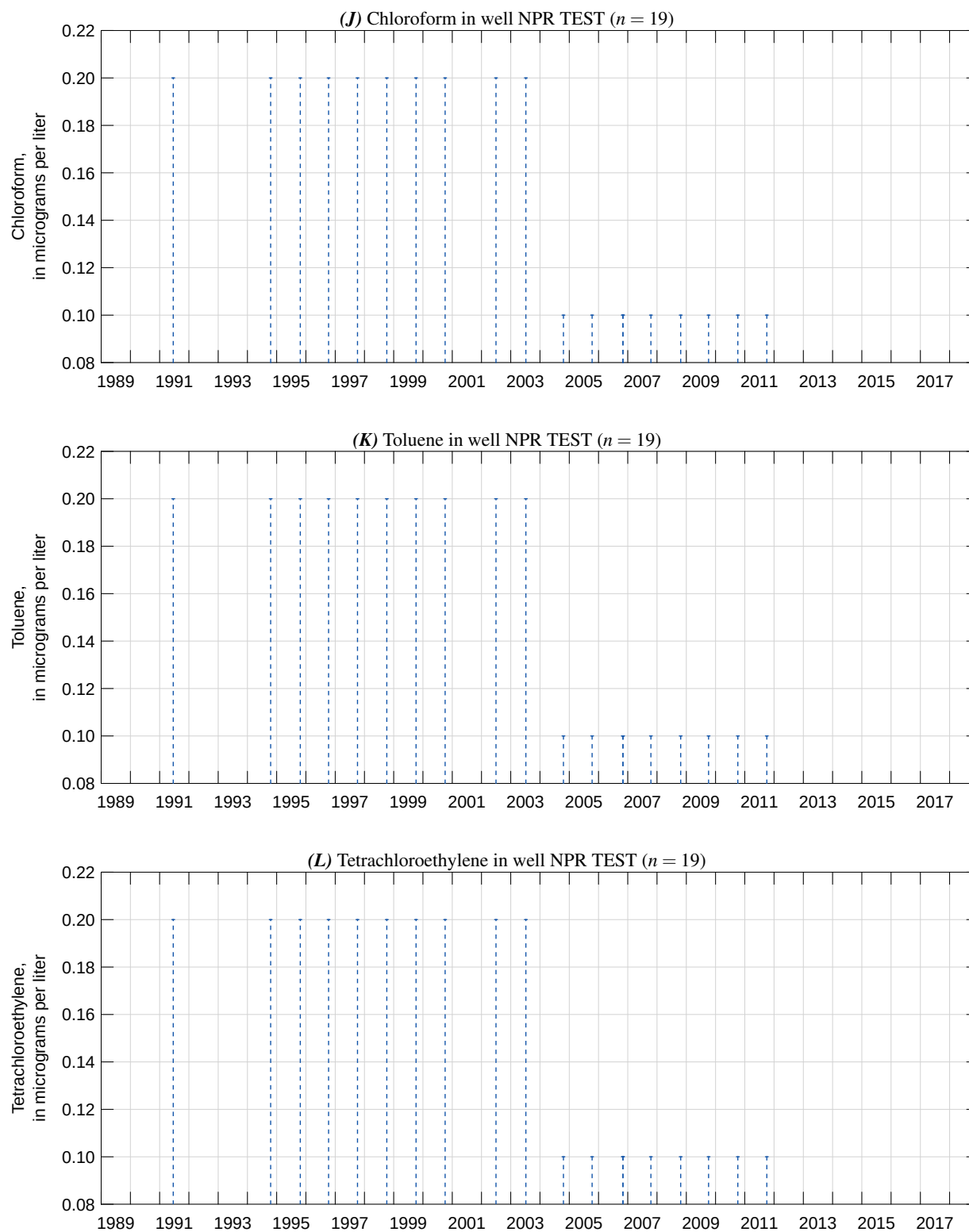


Figure 4.23. —Continued

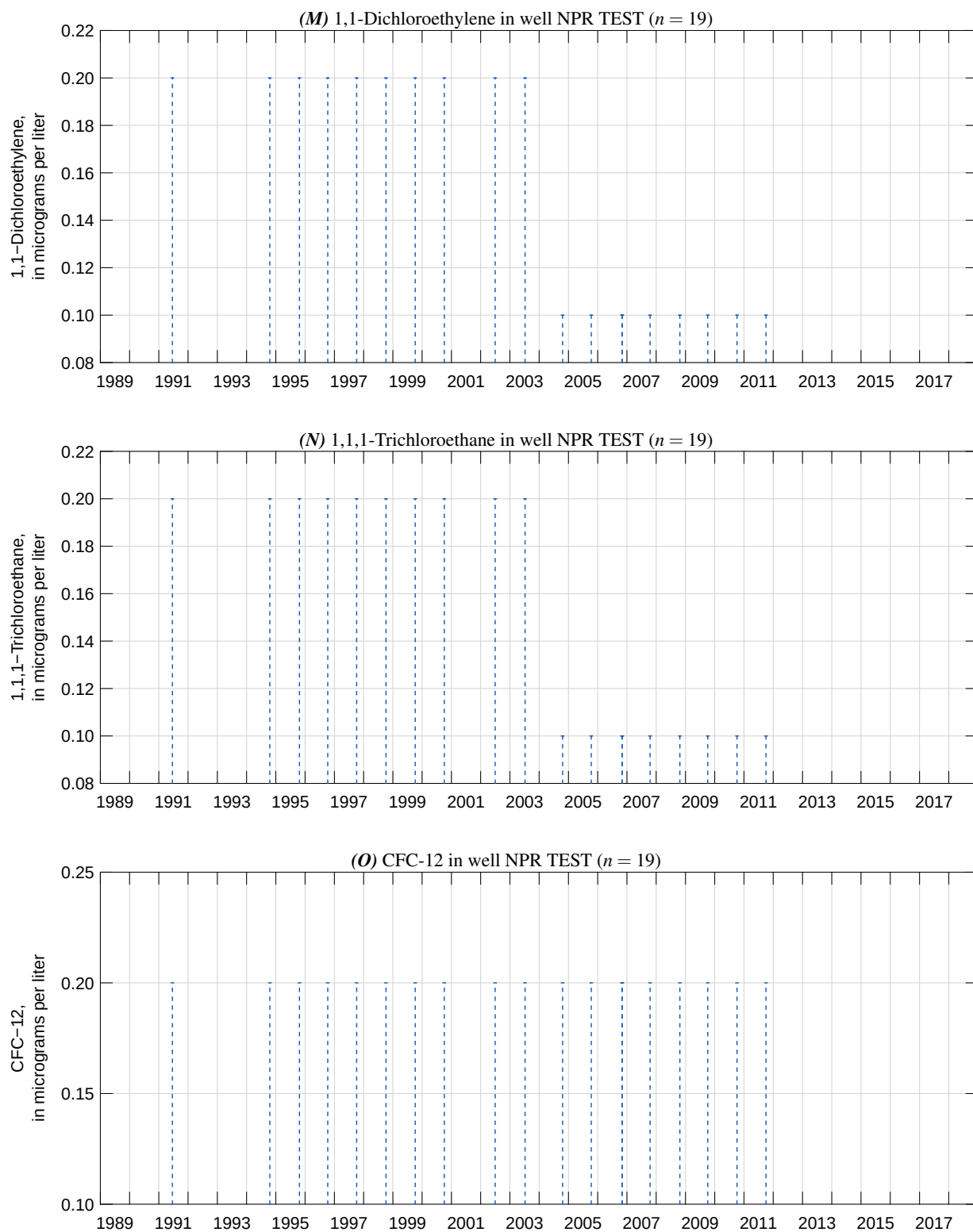


Figure 4.23. —Continued

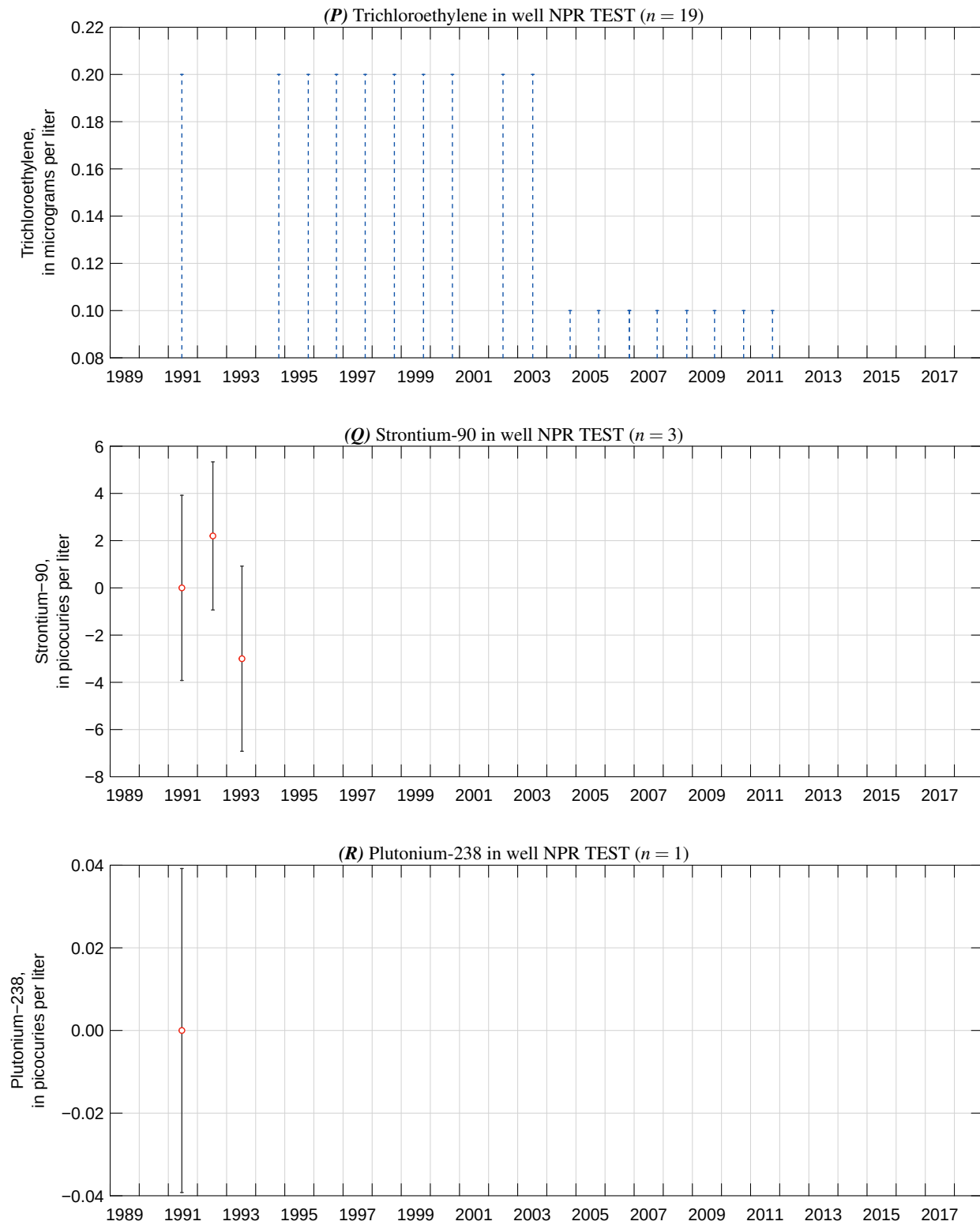


Figure 4.23. —Continued

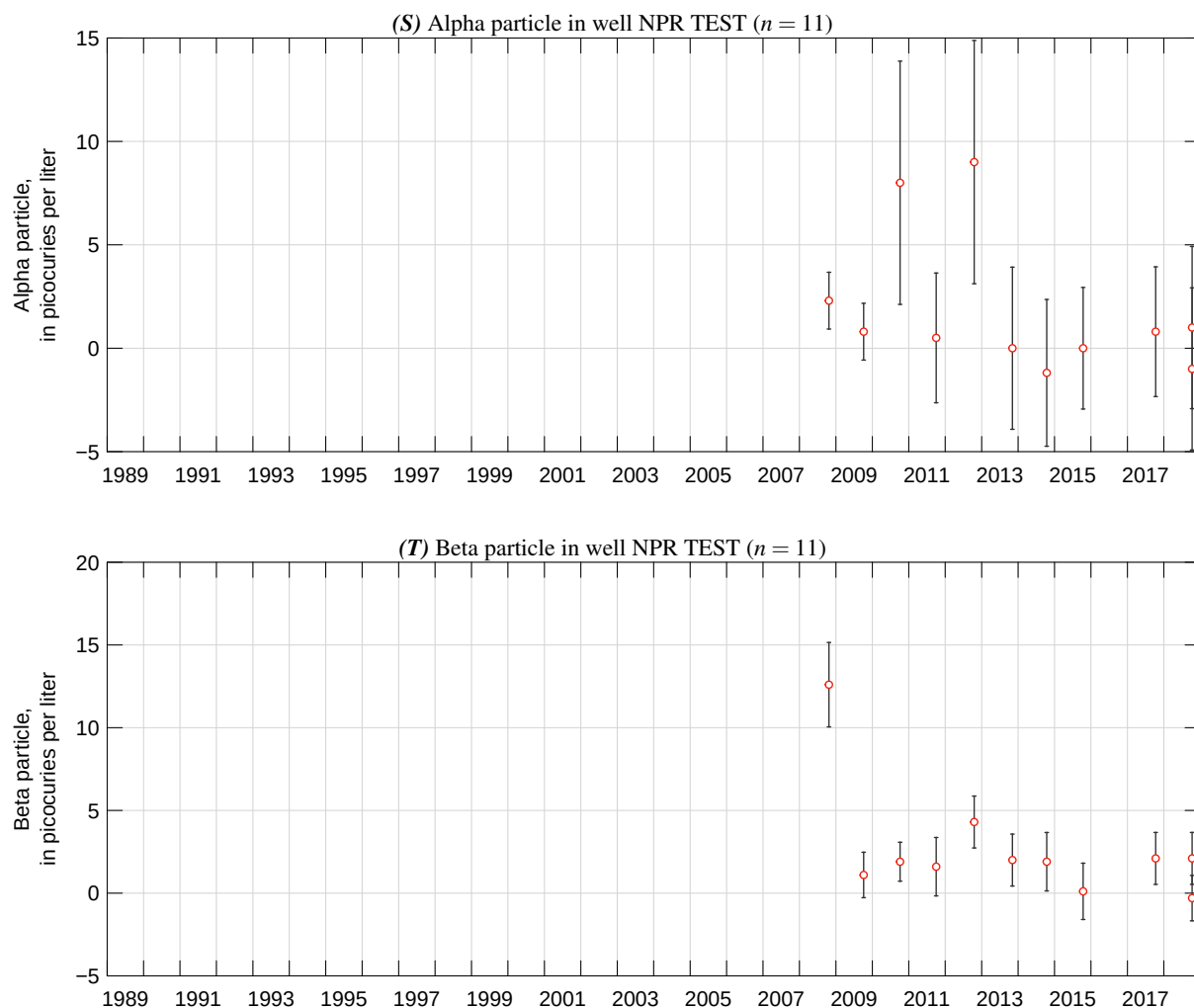


Figure 4.23. —Continued

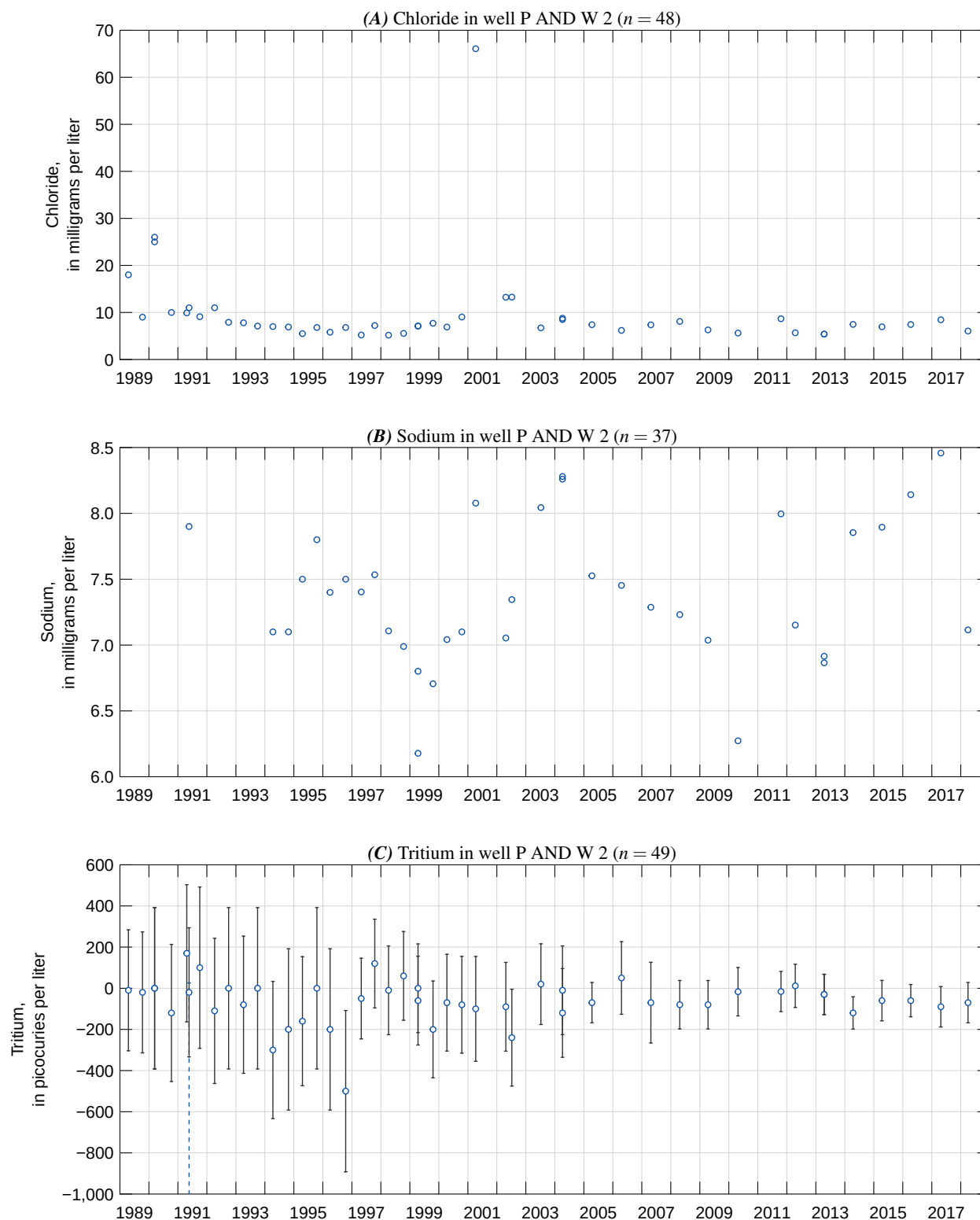


Figure 4.24. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, (R) plutonium-238, (S) alpha particle, and (T) beta particle concentrations in water collected from well P AND W 2 (Site No. 435419112453101), Idaho National Laboratory, Idaho, 1989–2018.

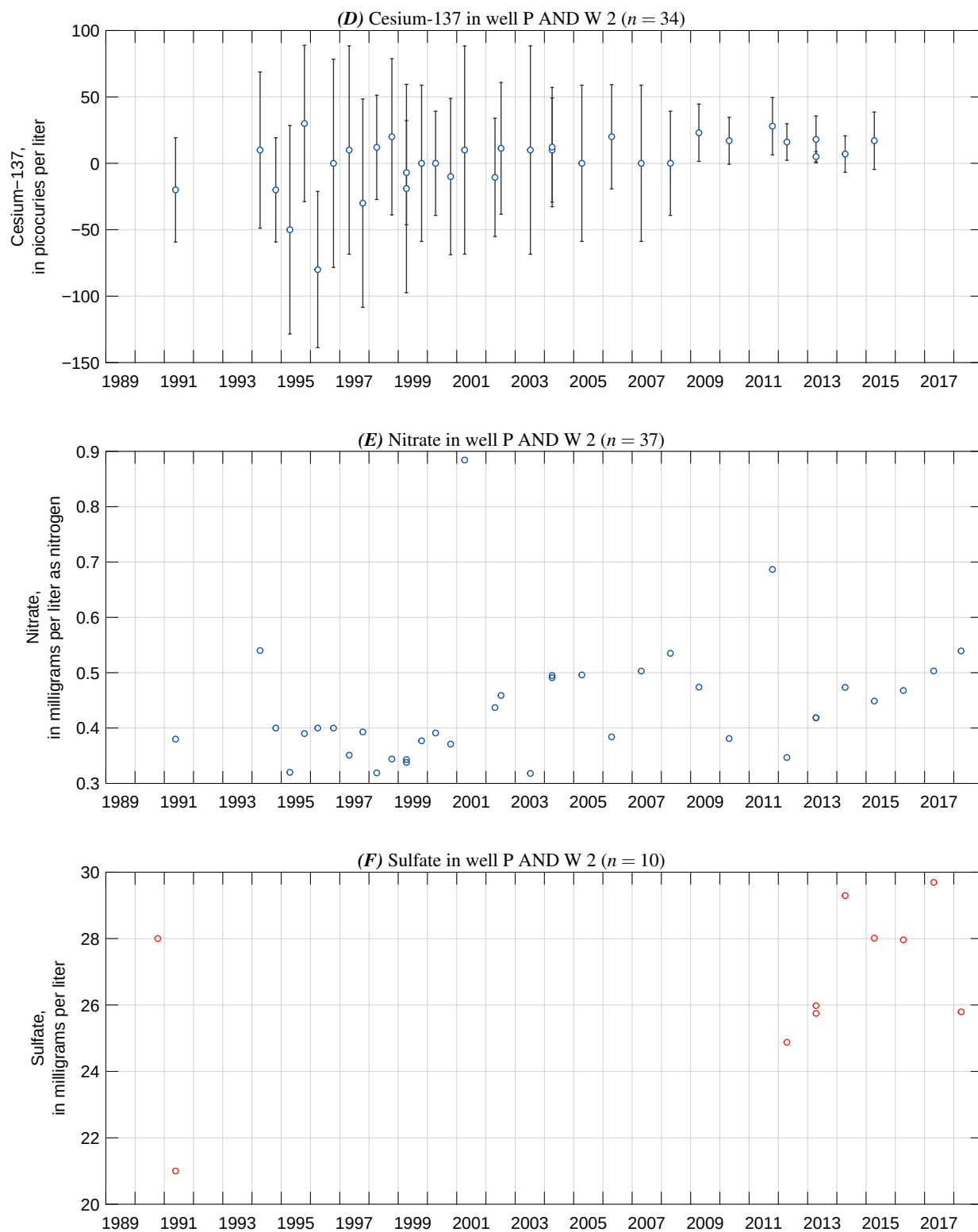


Figure 4.24. —Continued

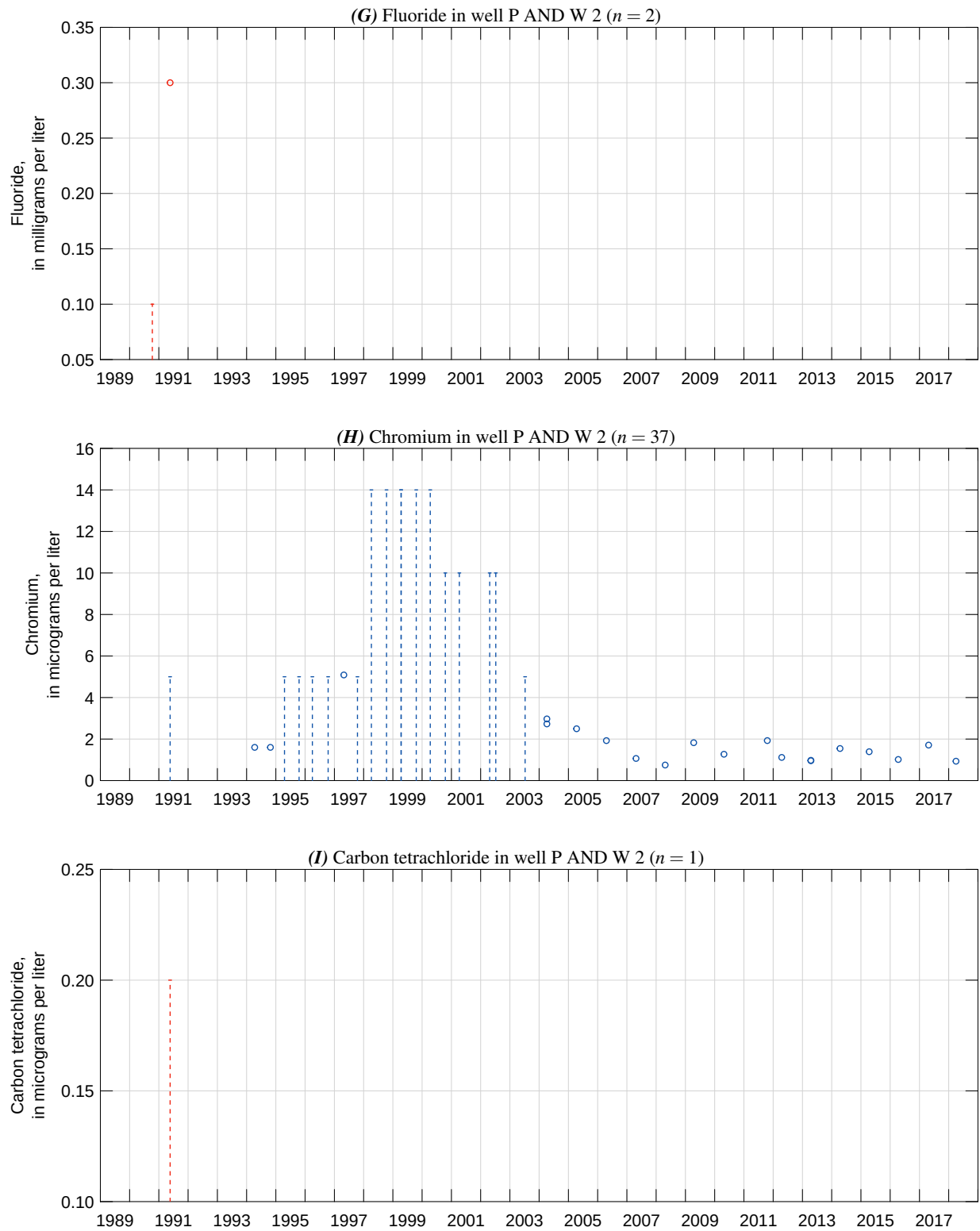


Figure 4.24. —Continued

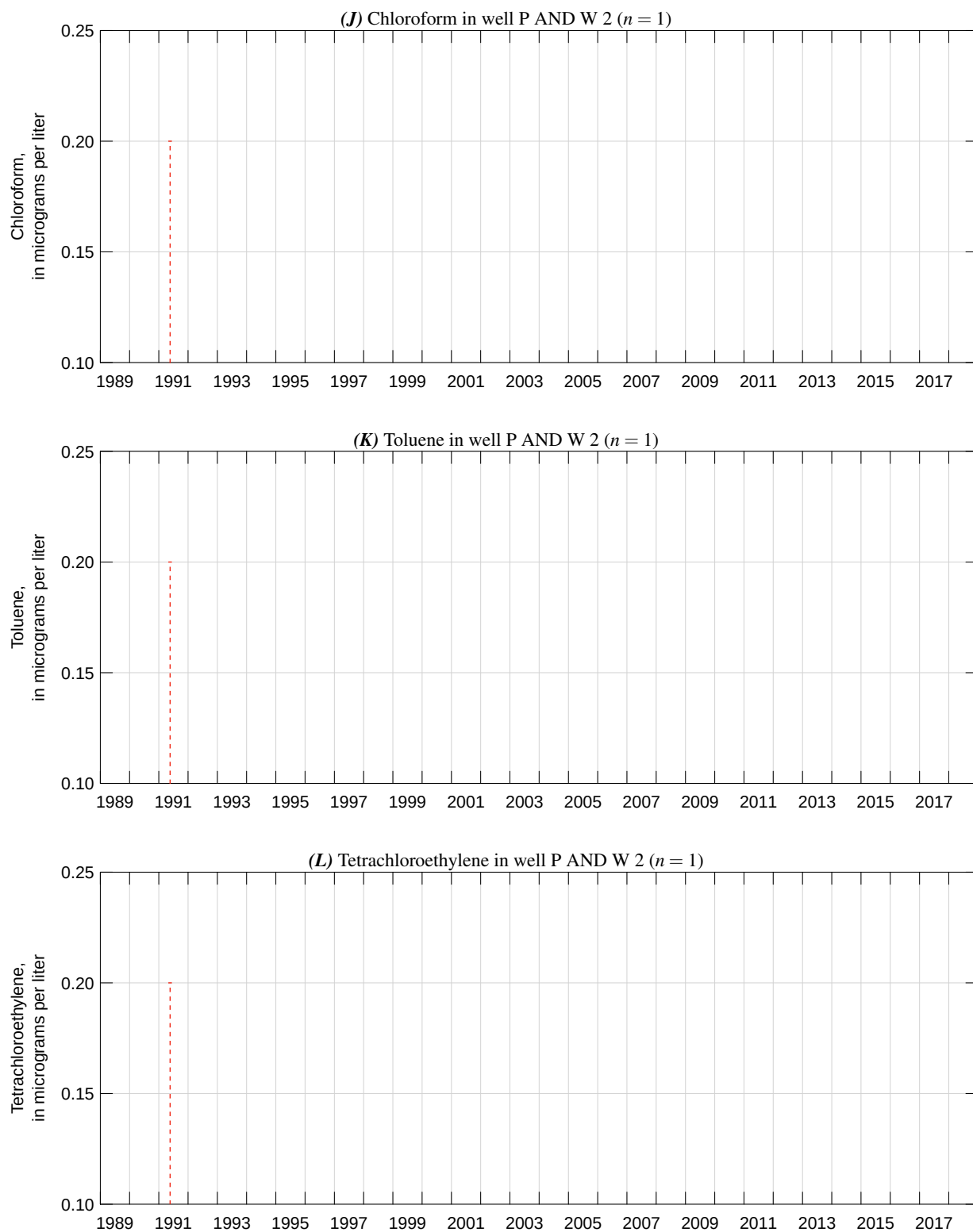


Figure 4.24. —Continued

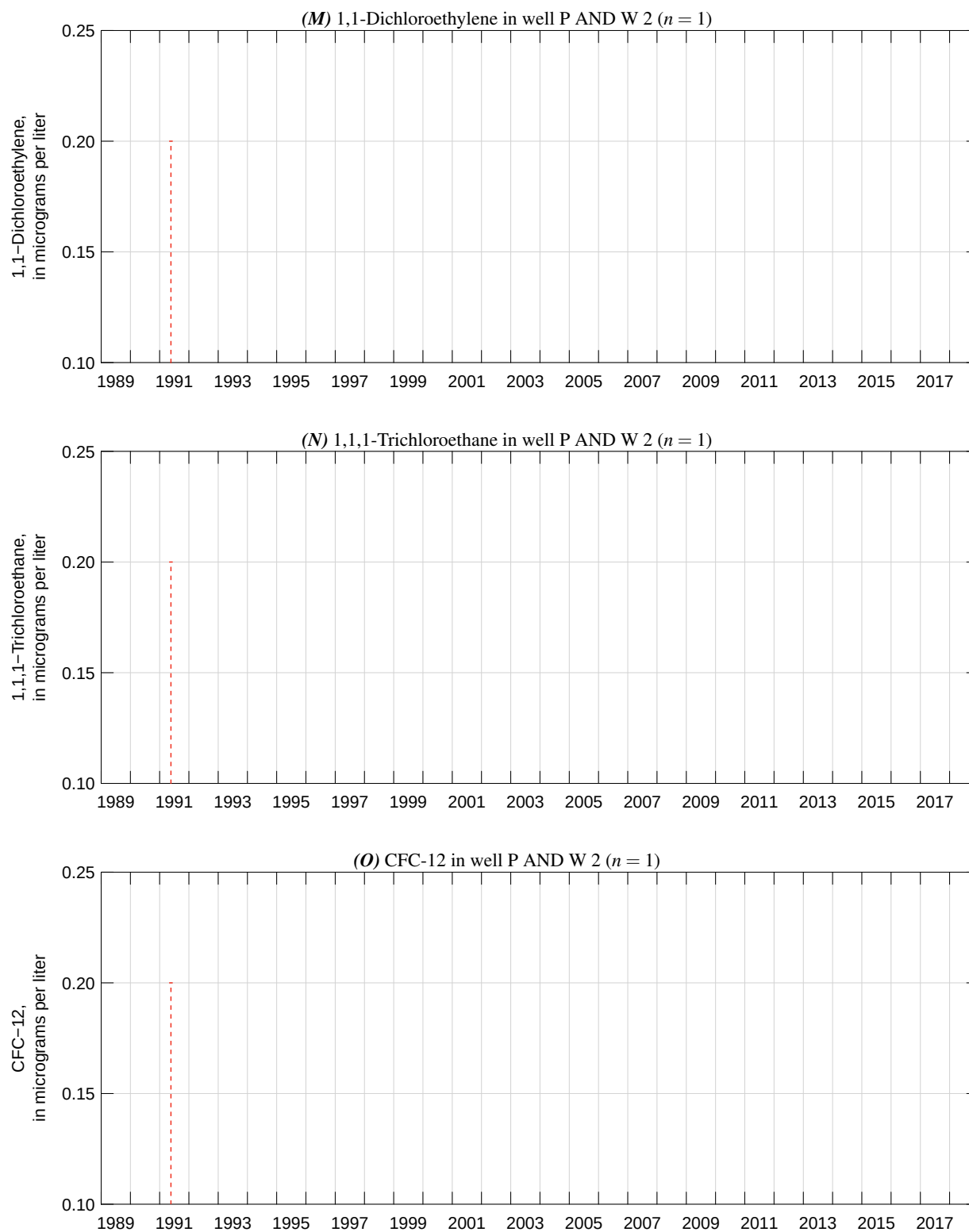


Figure 4.24. —Continued

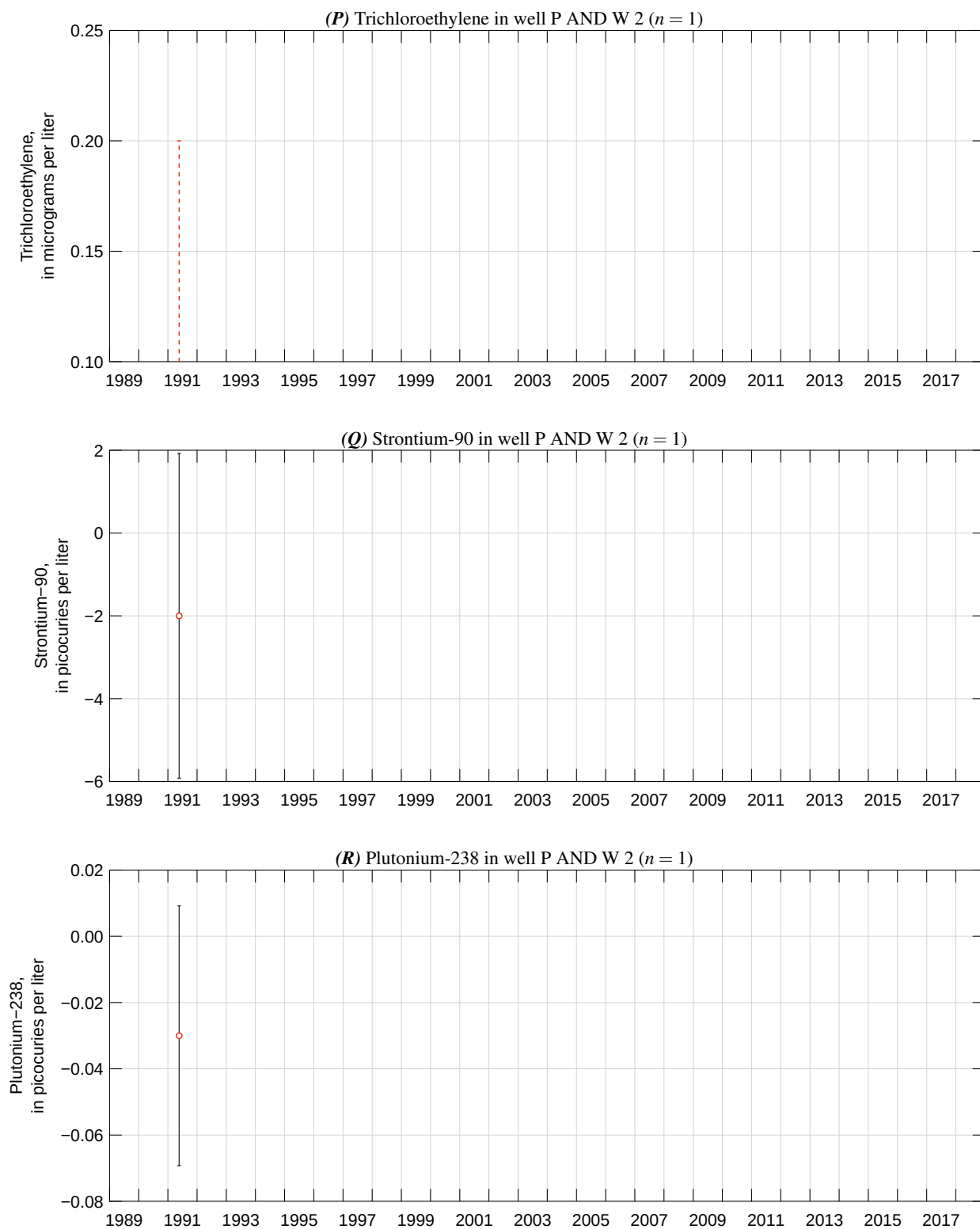


Figure 4.24. —Continued

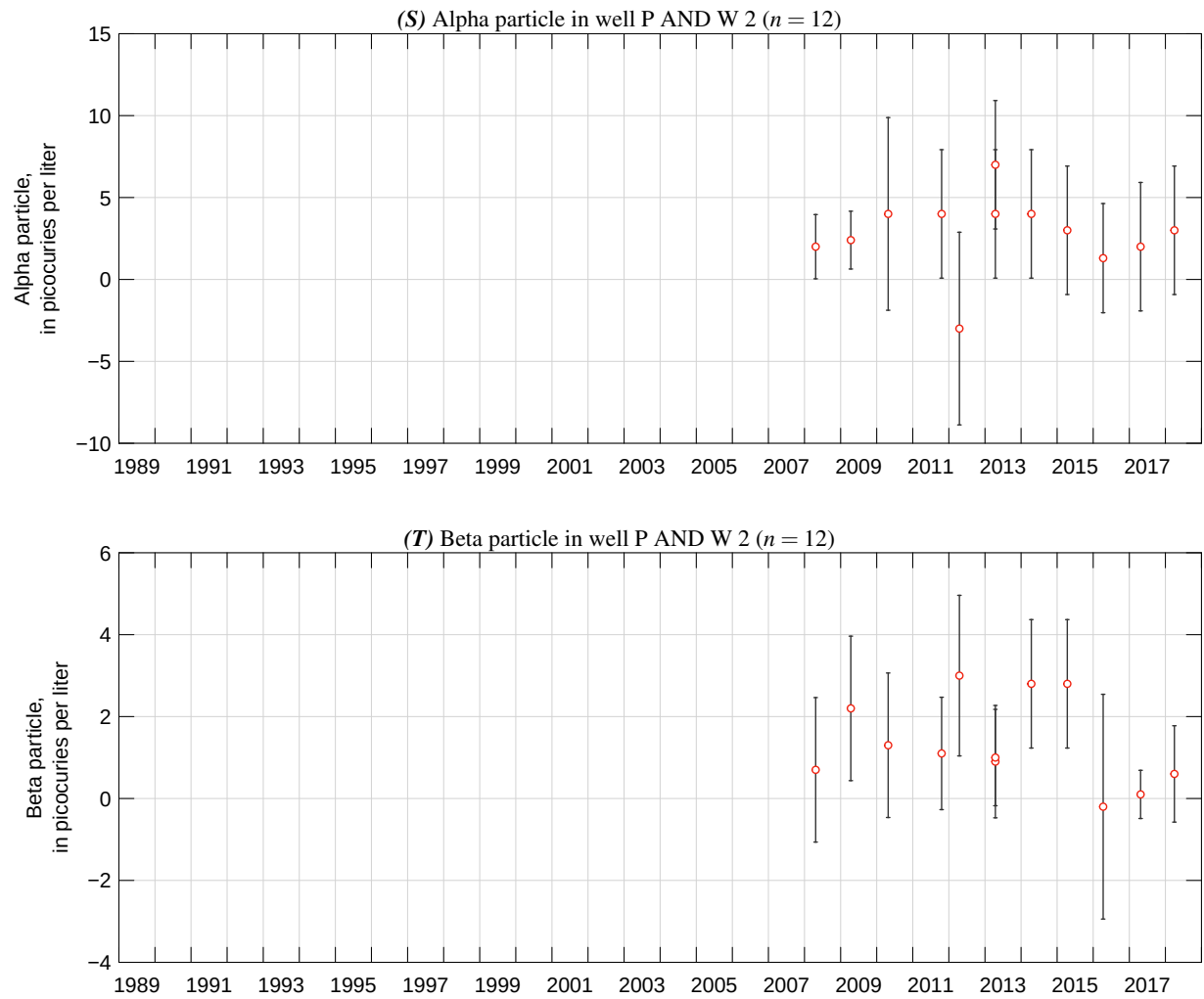


Figure 4.24. —Continued

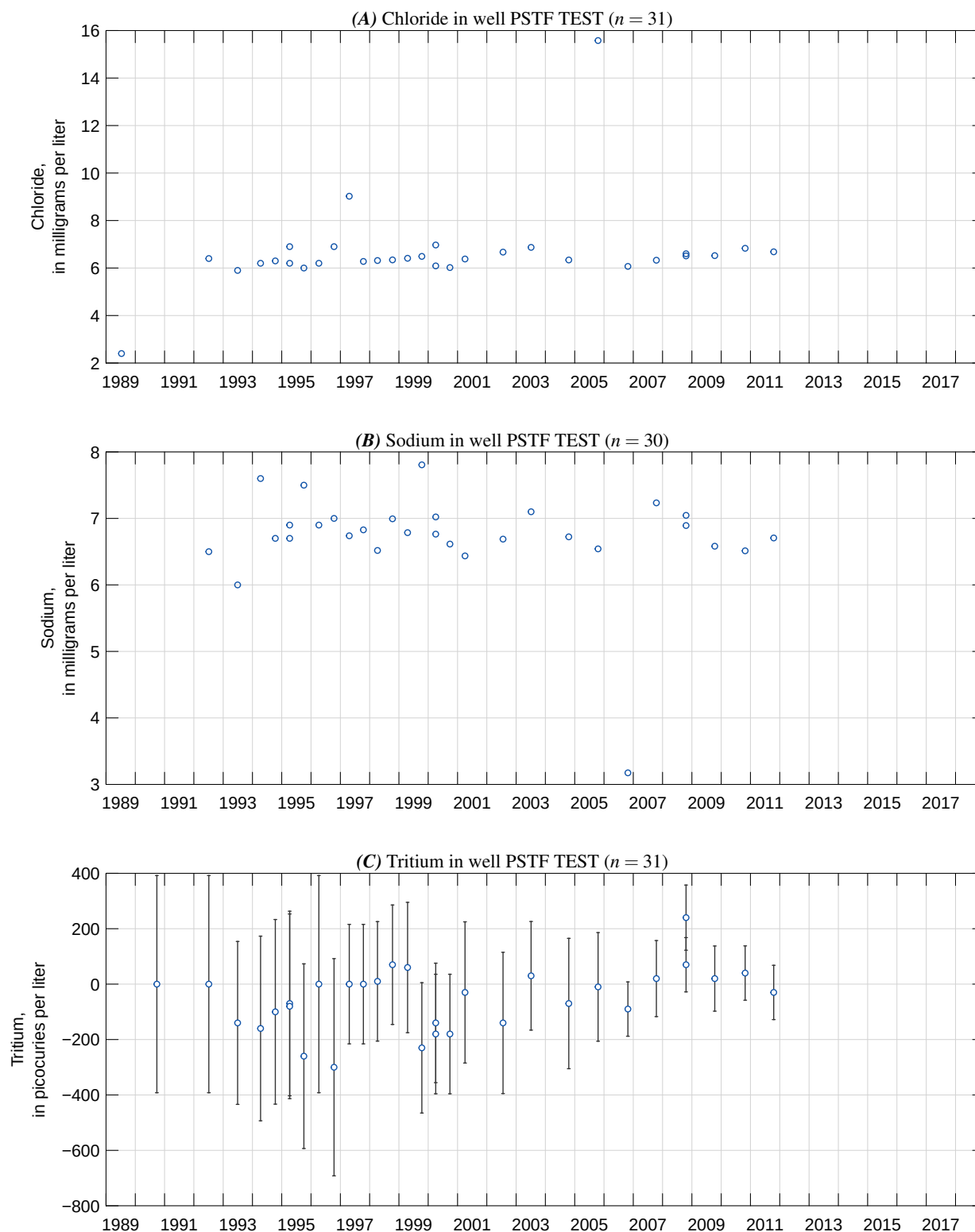


Figure 4.25. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) chromium, (G) carbon tetrachloride, (H) chloroform, (I) toluene, (J) tetrachloroethylene, (K) 1,1-dichloroethylene, (L) 1,1,1-trichloroethane, (M) cfc-12, (N) trichloroethylene, (O) strontium-90, (P) plutonium-238, (Q) alpha particle, and (R) beta particle concentrations in water collected from well PSTF TEST (Site No. 434941112454201), Idaho National Laboratory, Idaho, 1989–2018.

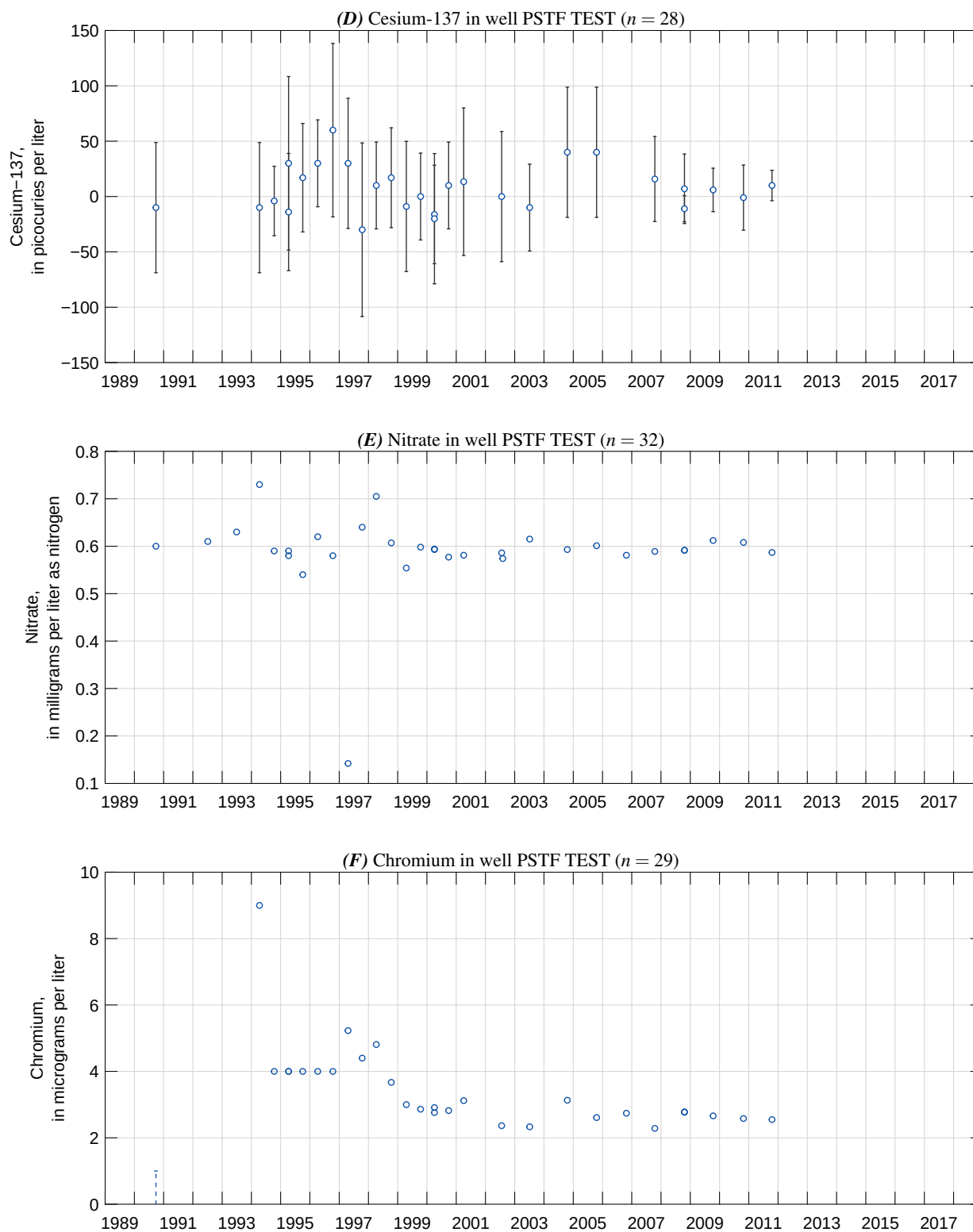


Figure 4.25. —Continued

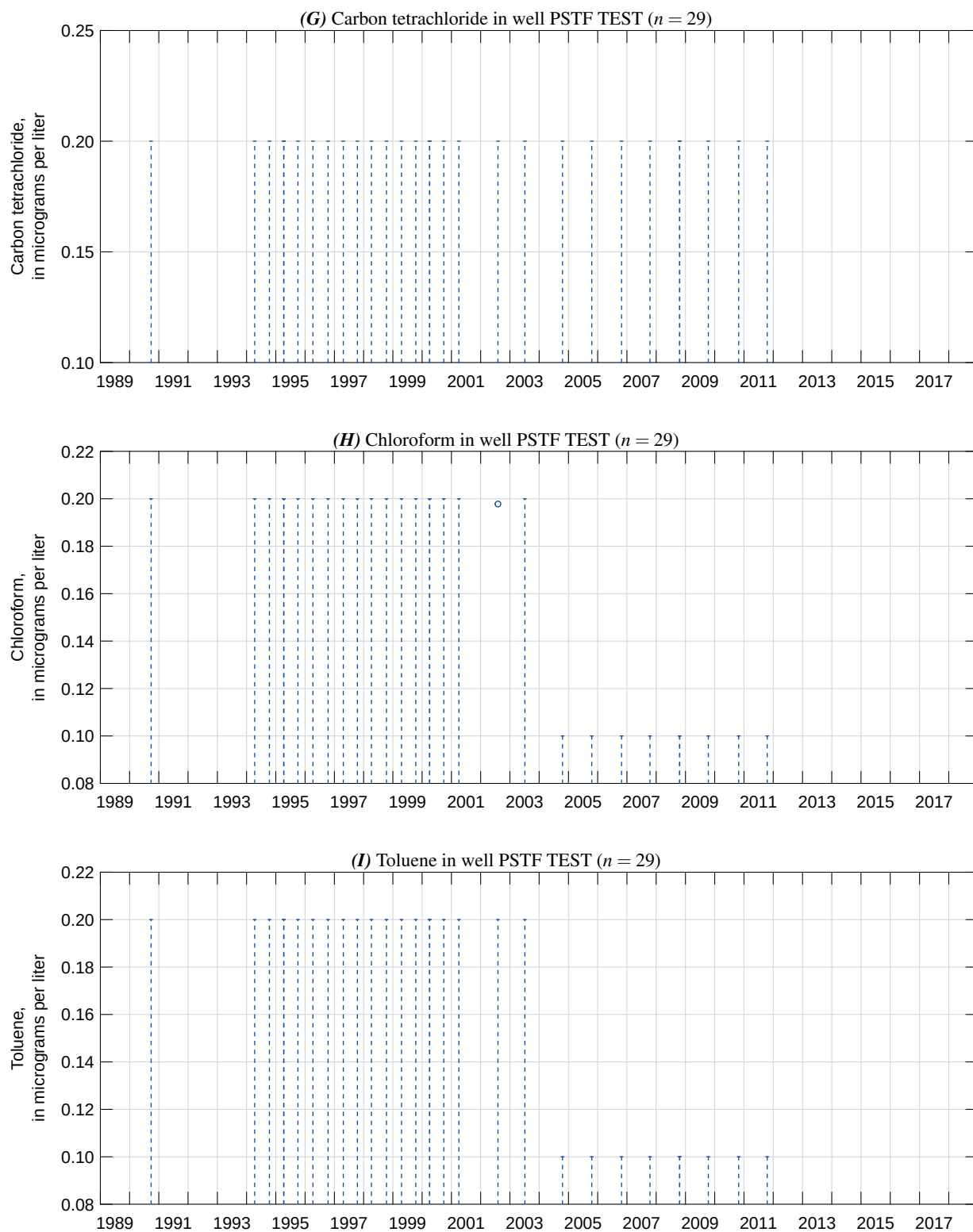


Figure 4.25. —Continued

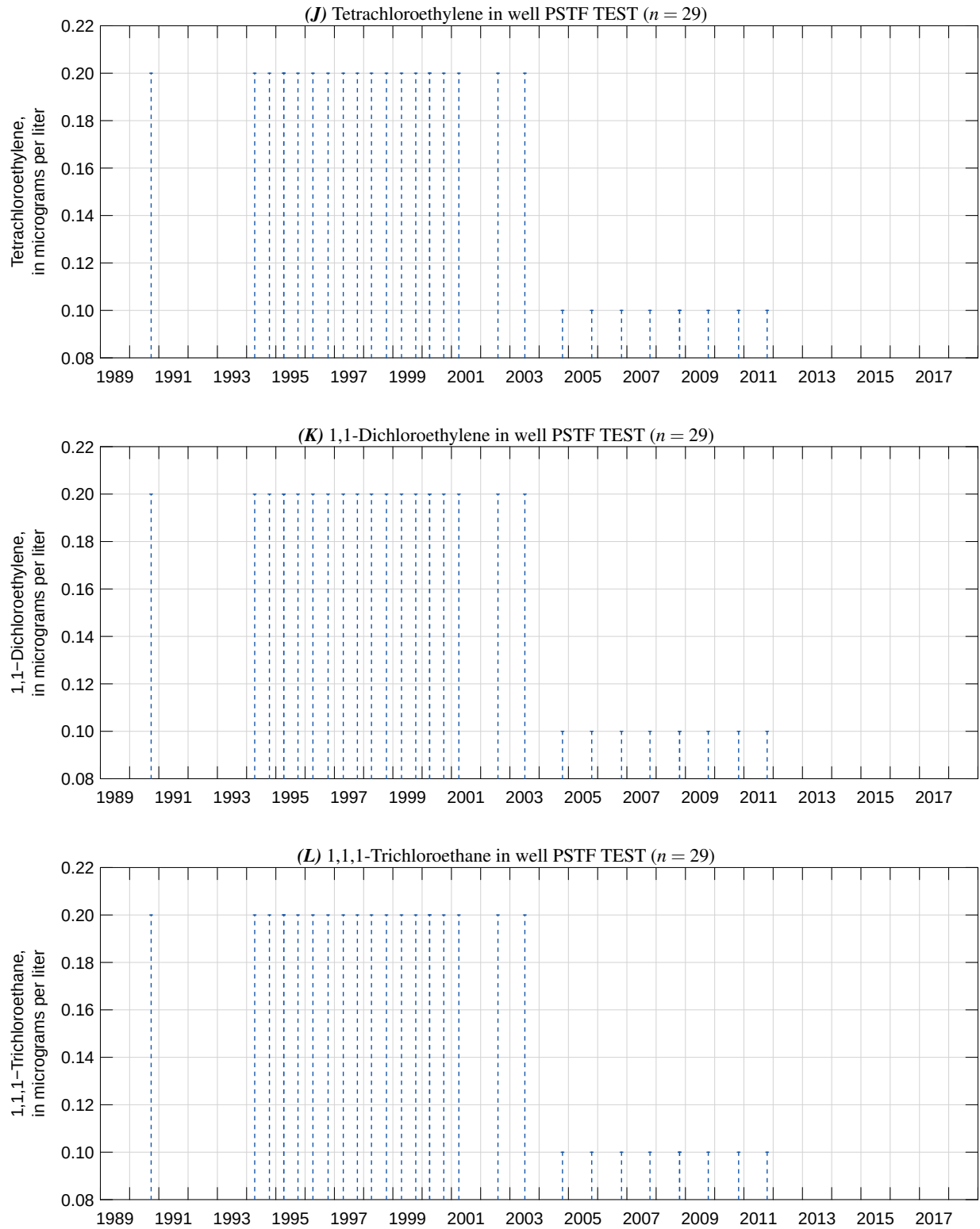


Figure 4.25. —Continued

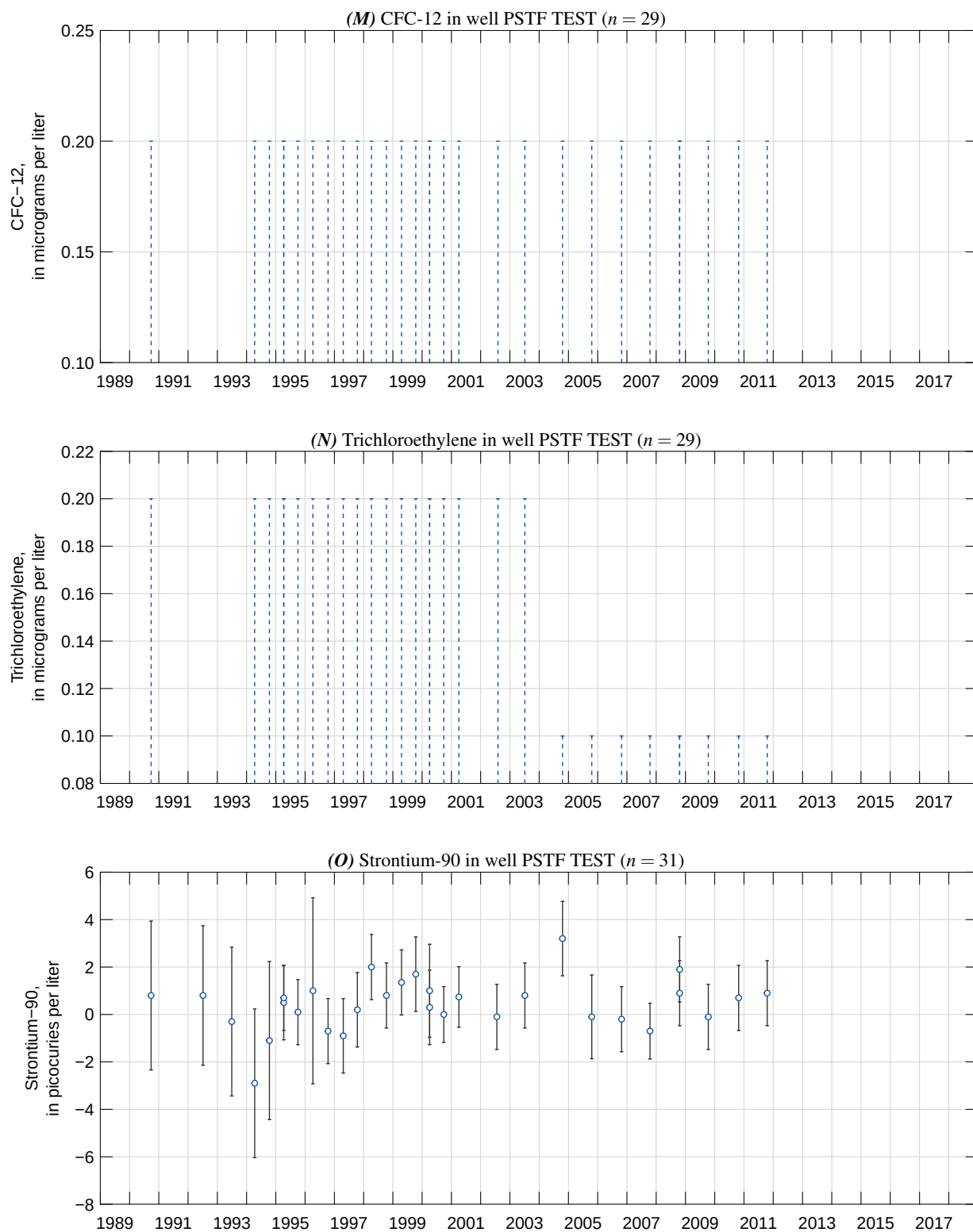


Figure 4.25. —Continued

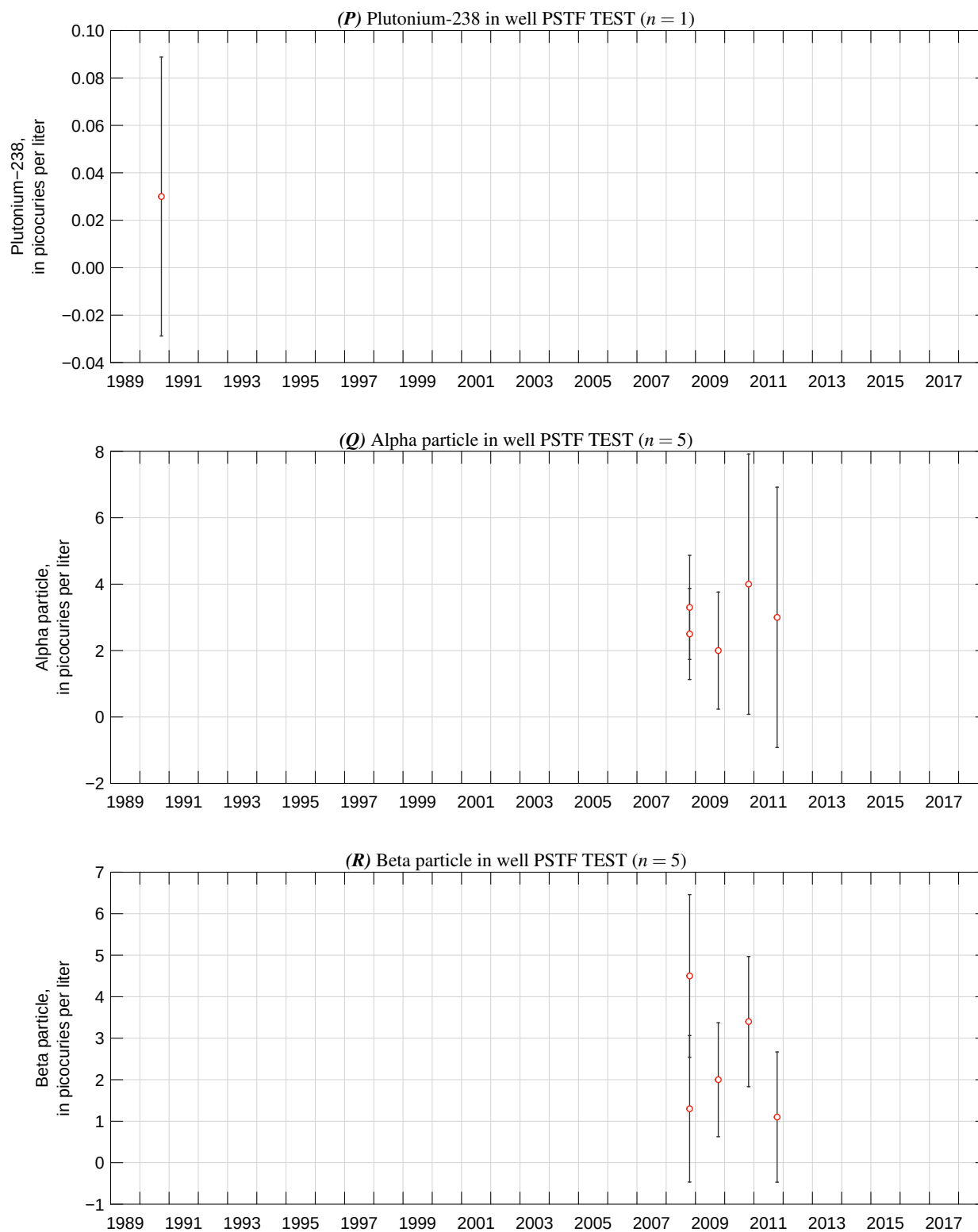


Figure 4.25. —Continued

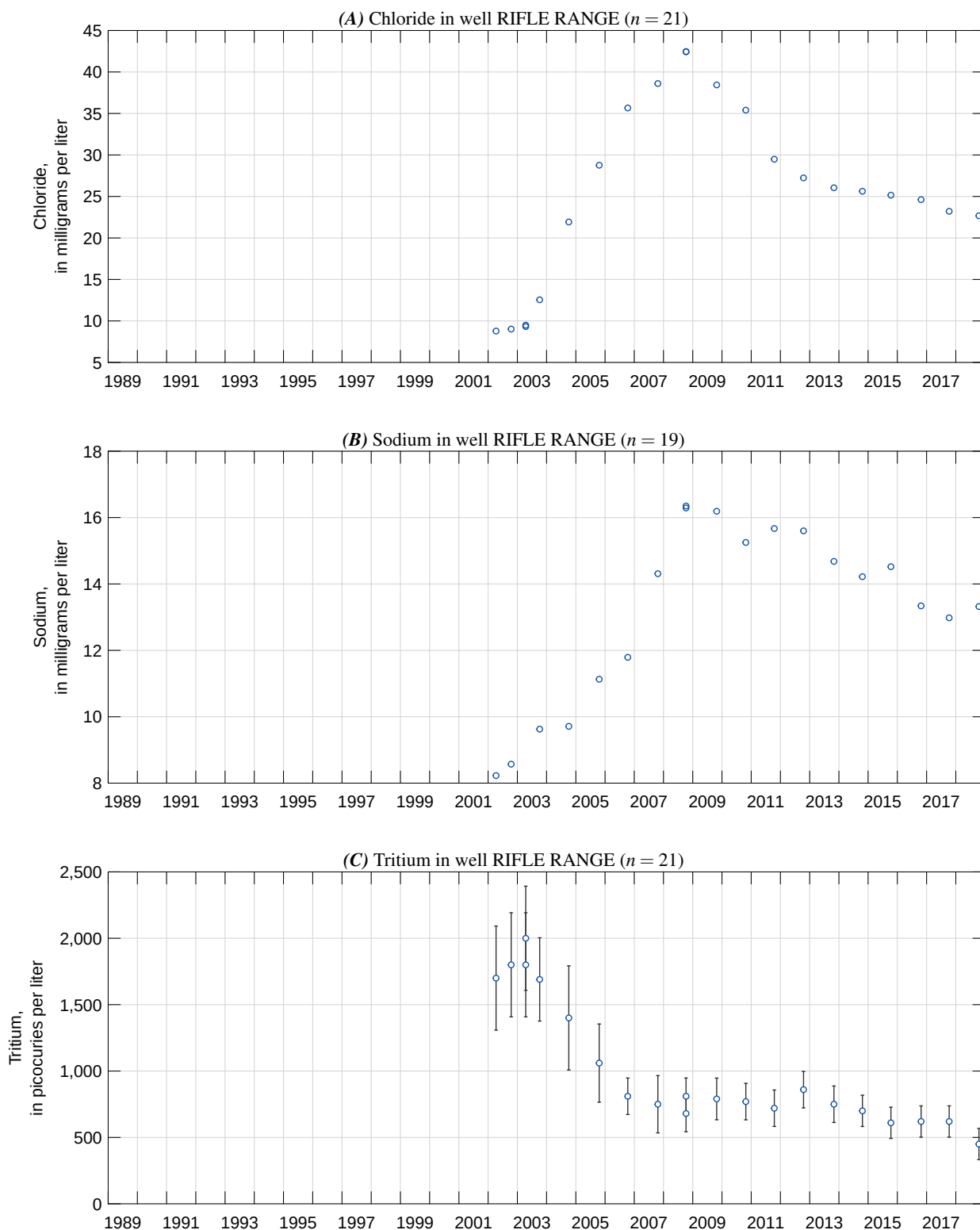


Figure 4.26. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, and (R) plutonium-238 concentrations in water collected from well RIFLE RANGE (Site No. 433243112591101), Idaho National Laboratory, Idaho, 1989–2018.

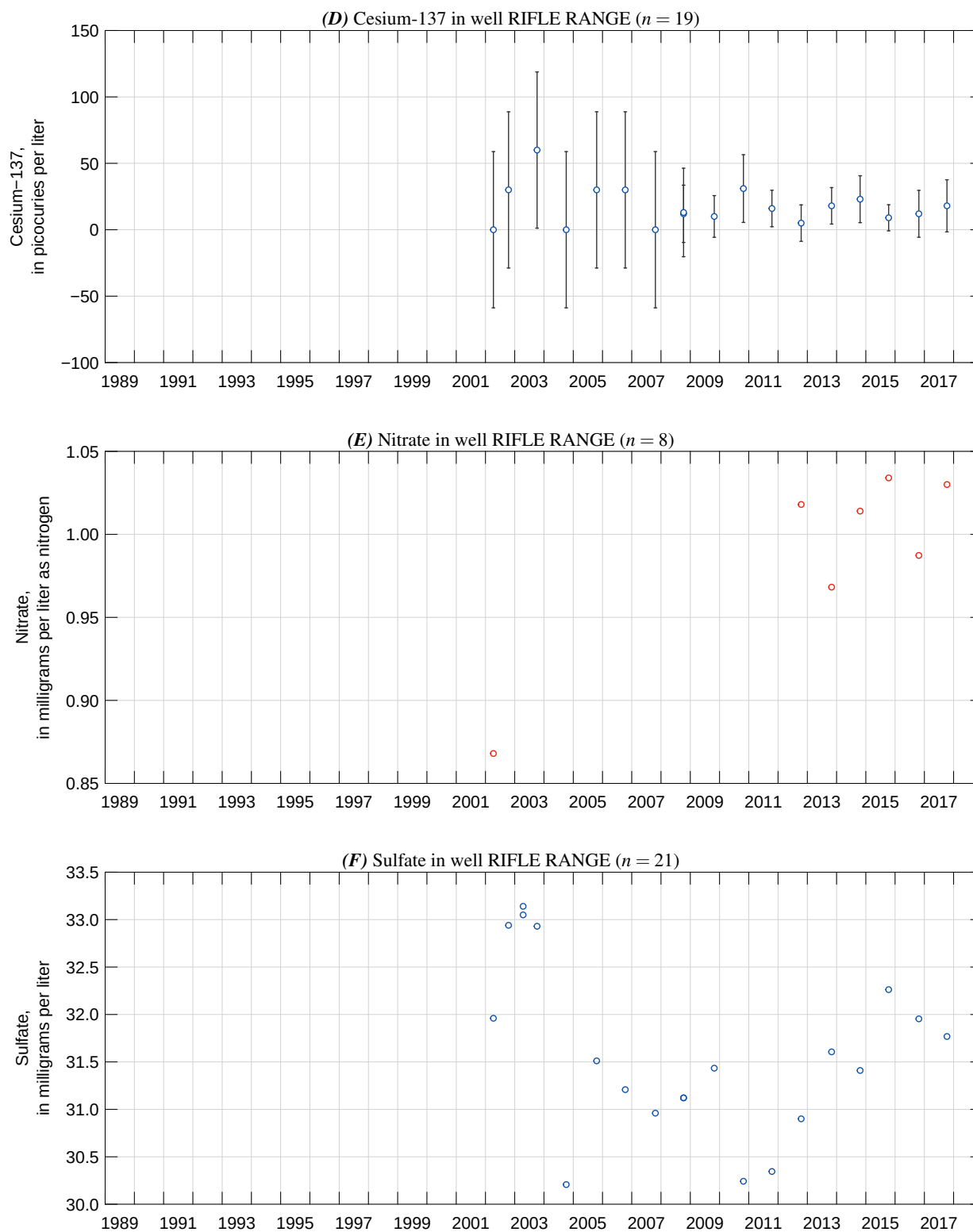


Figure 4.26. —Continued

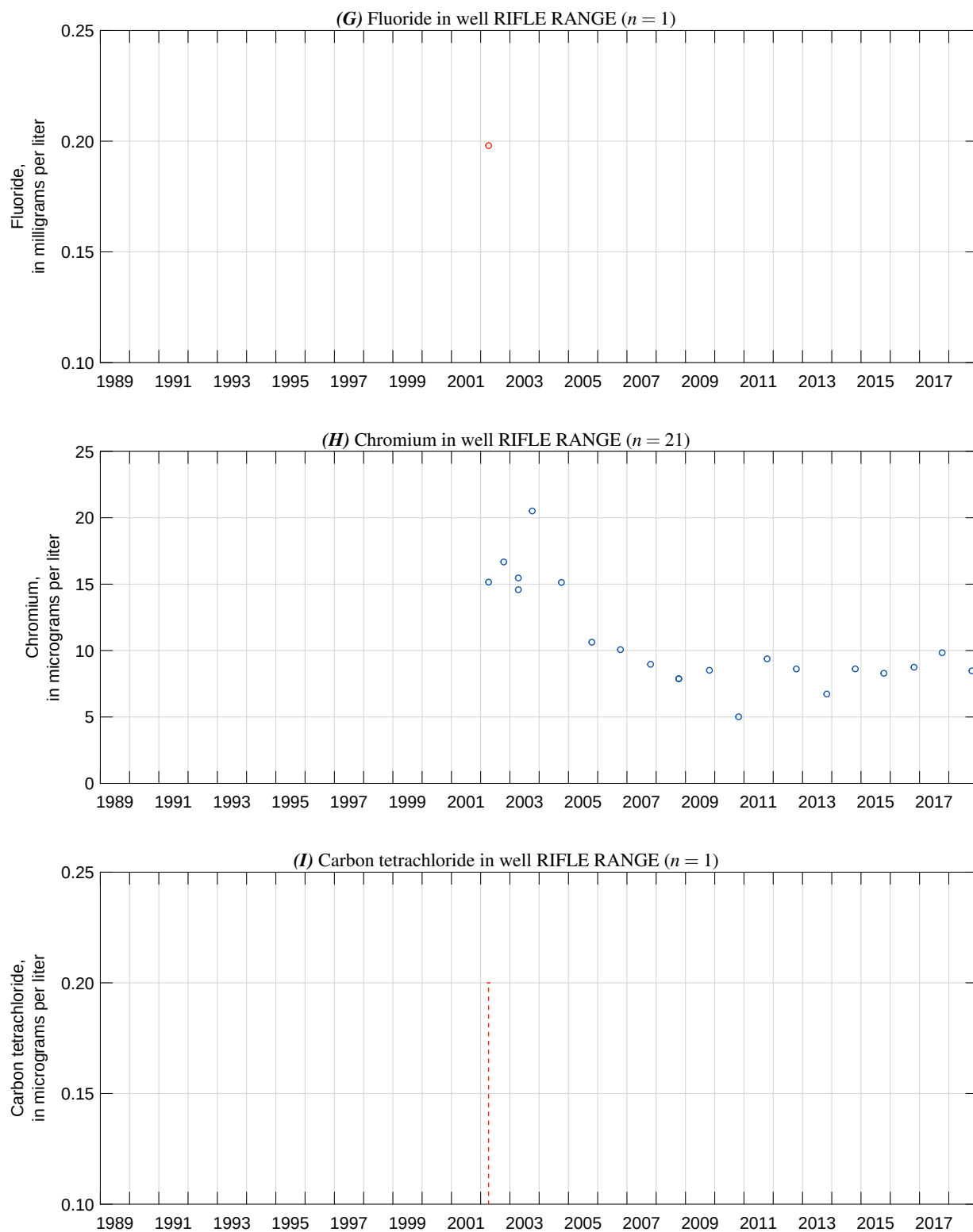
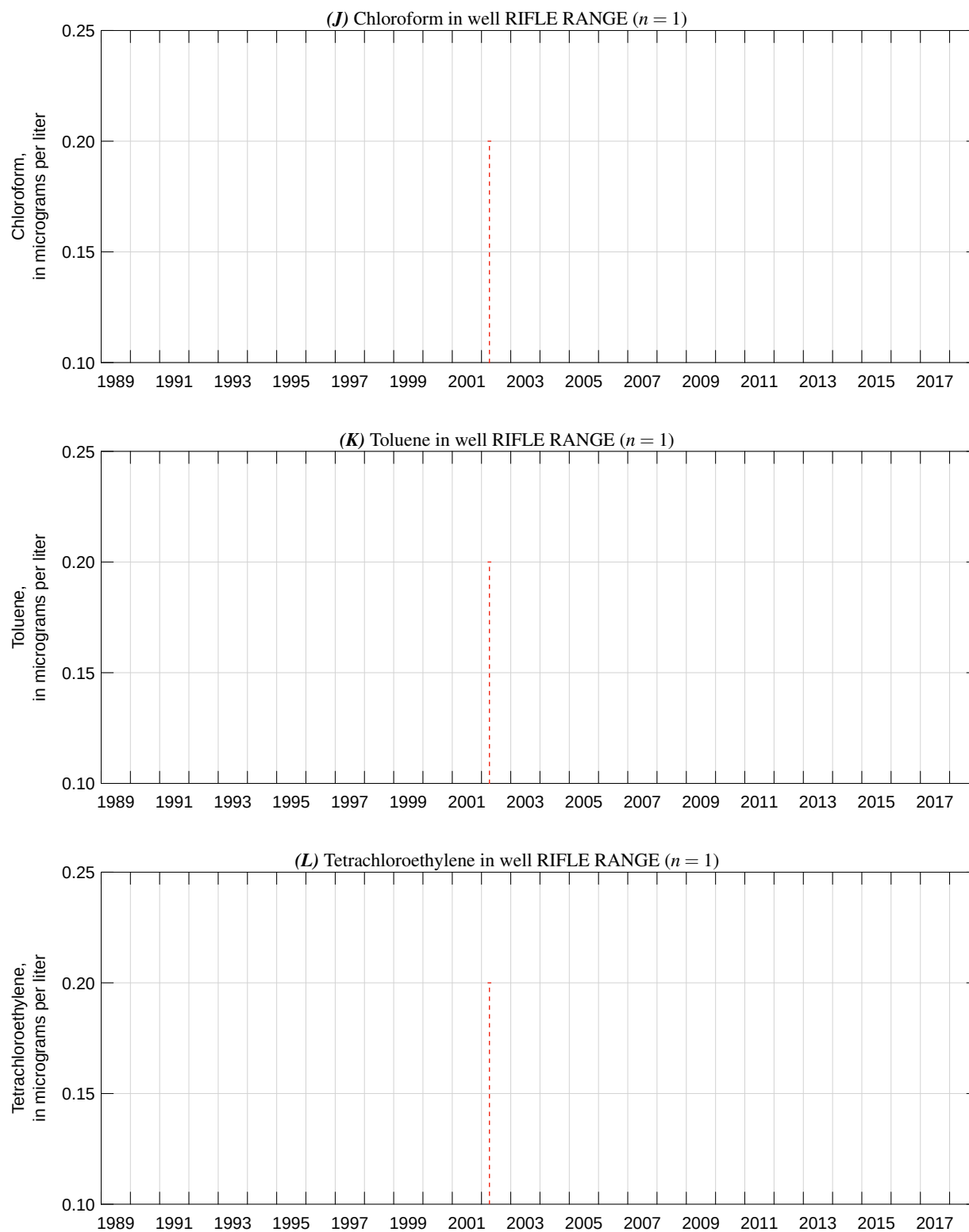


Figure 4.26. —Continued



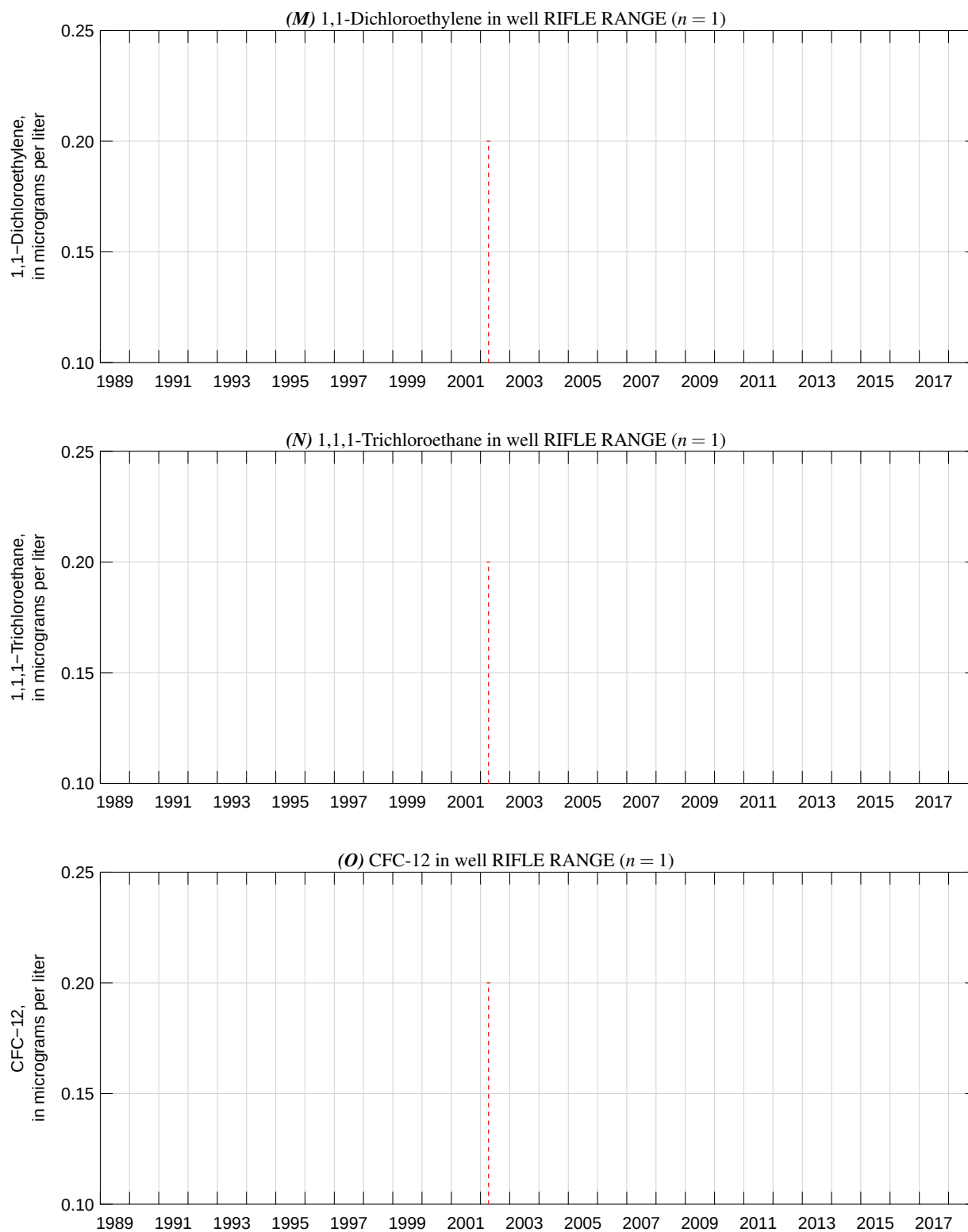


Figure 4.26. —Continued

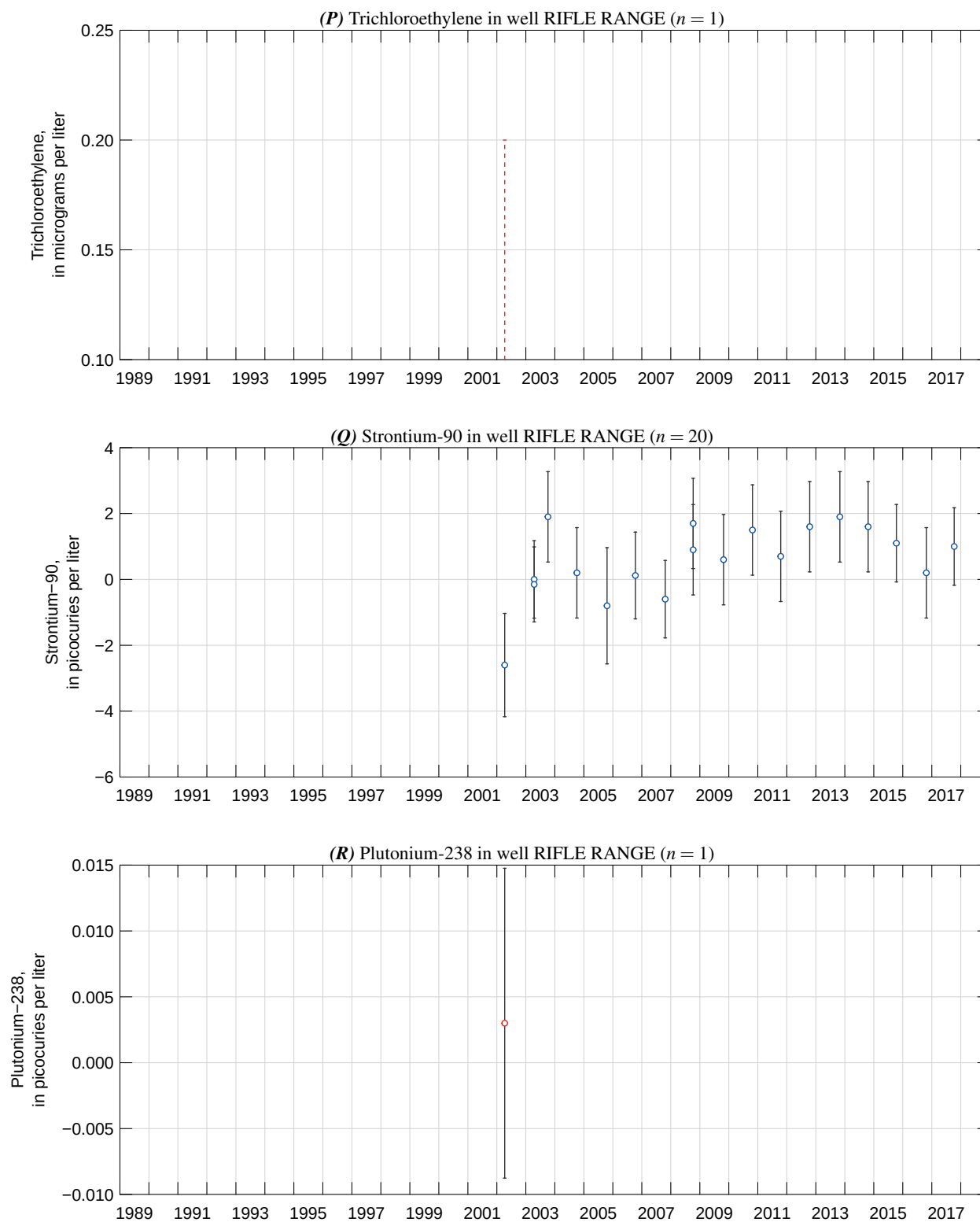


Figure 4.26. —Continued

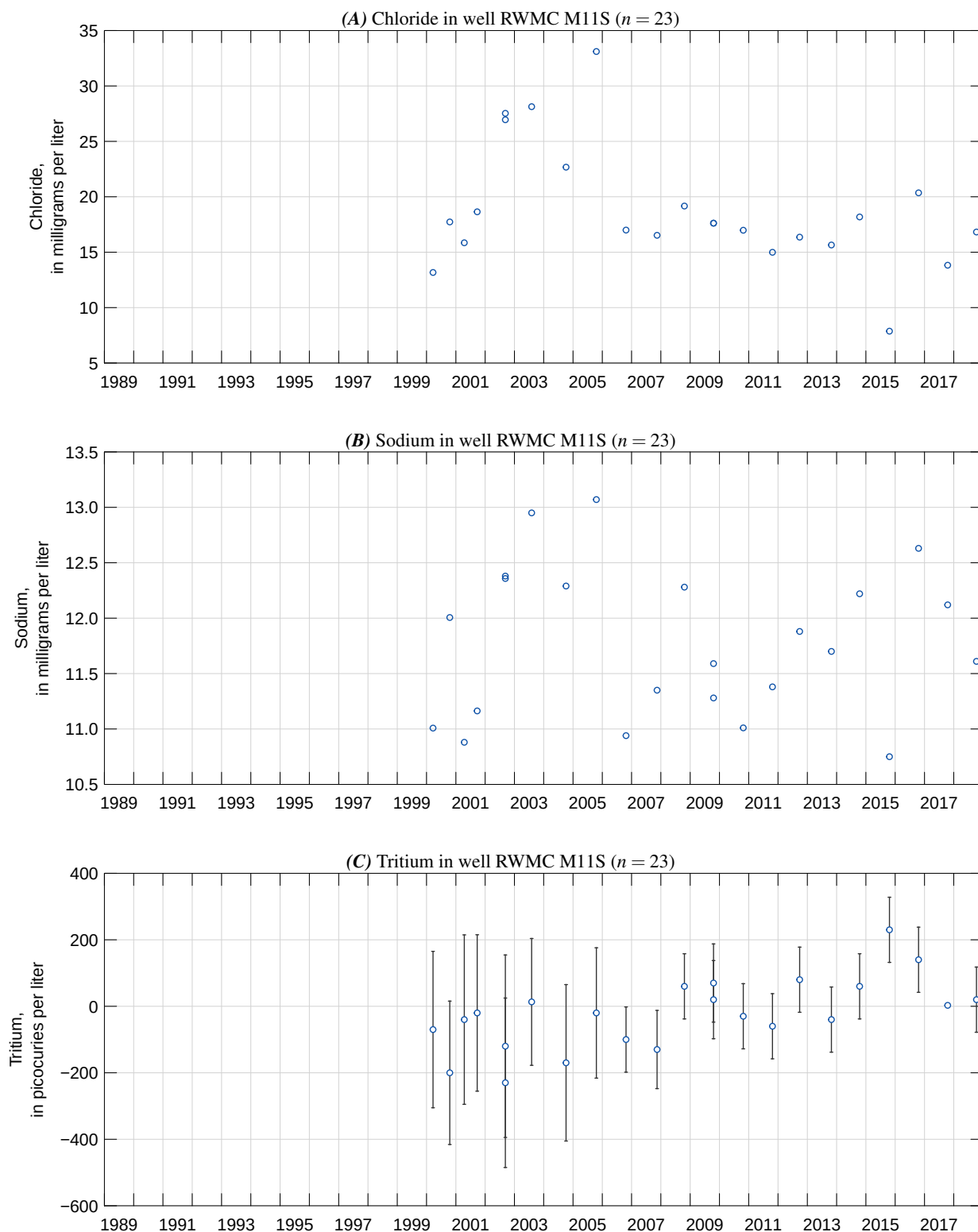


Figure 4.27. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, (R) plutonium-238, (S) alpha particle, and (T) beta particle concentrations in water collected from well RWMC M11S (Site No. 433058113010401), Idaho National Laboratory, Idaho, 1989–2018.

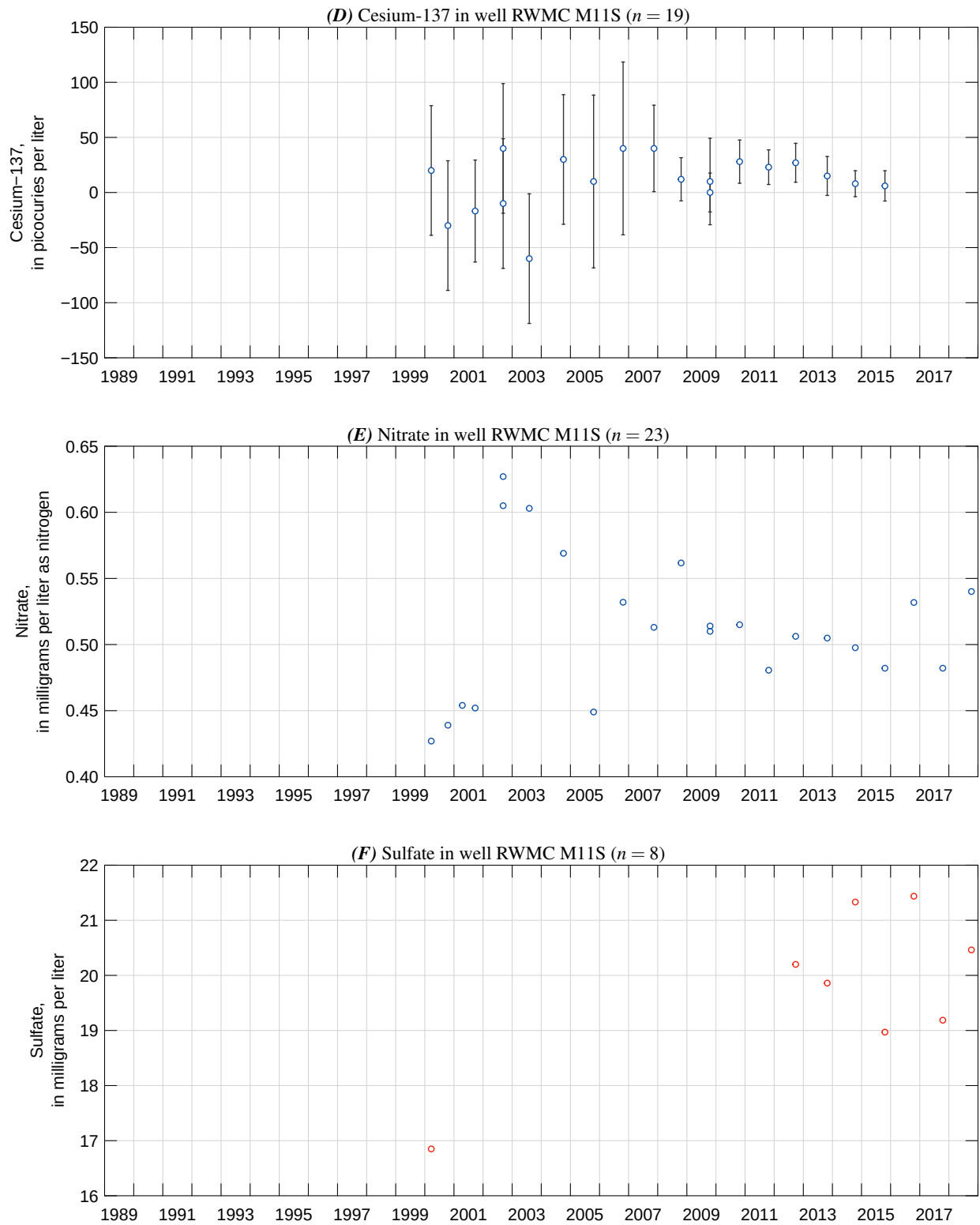


Figure 4.27. —Continued

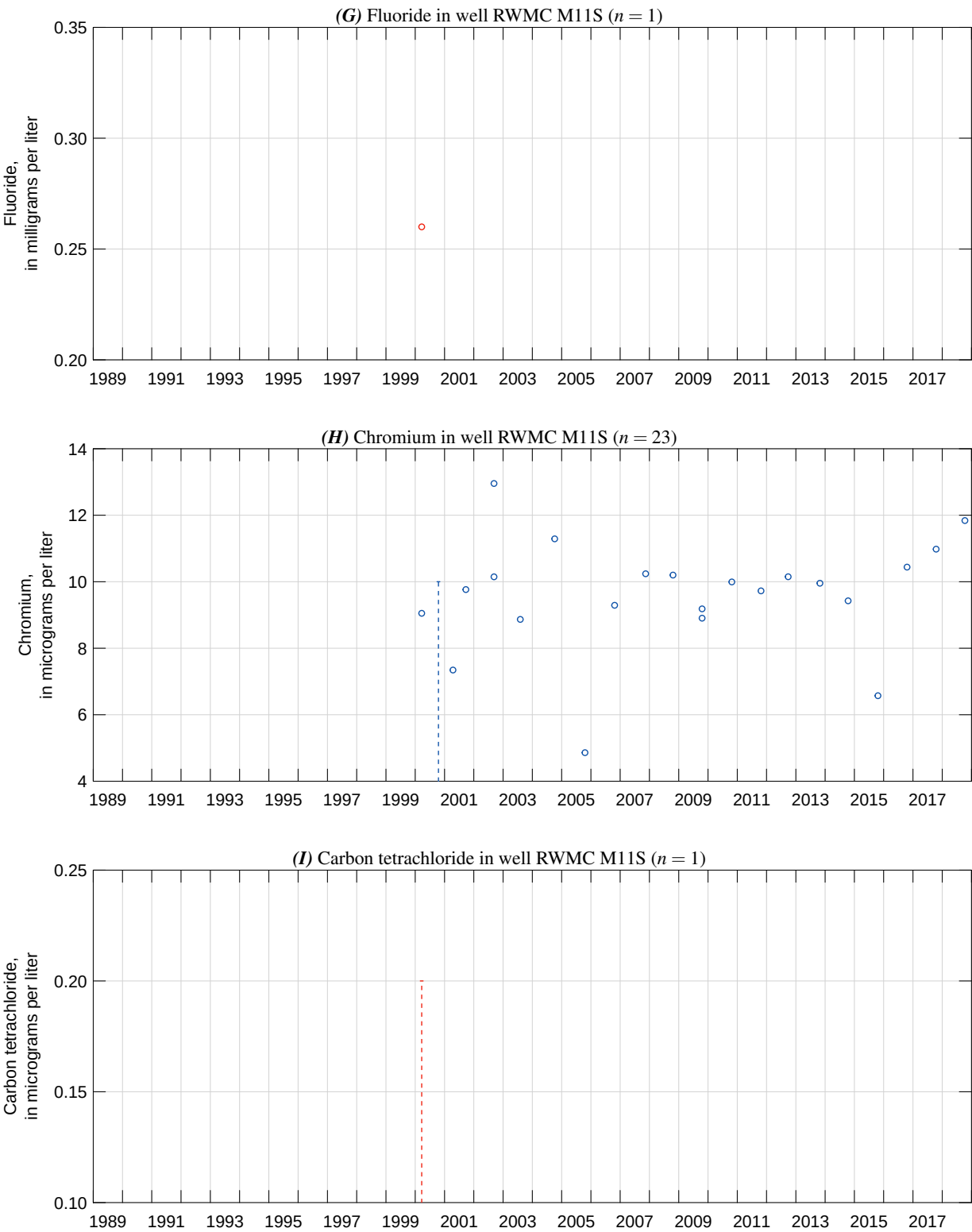


Figure 4.27. —Continued

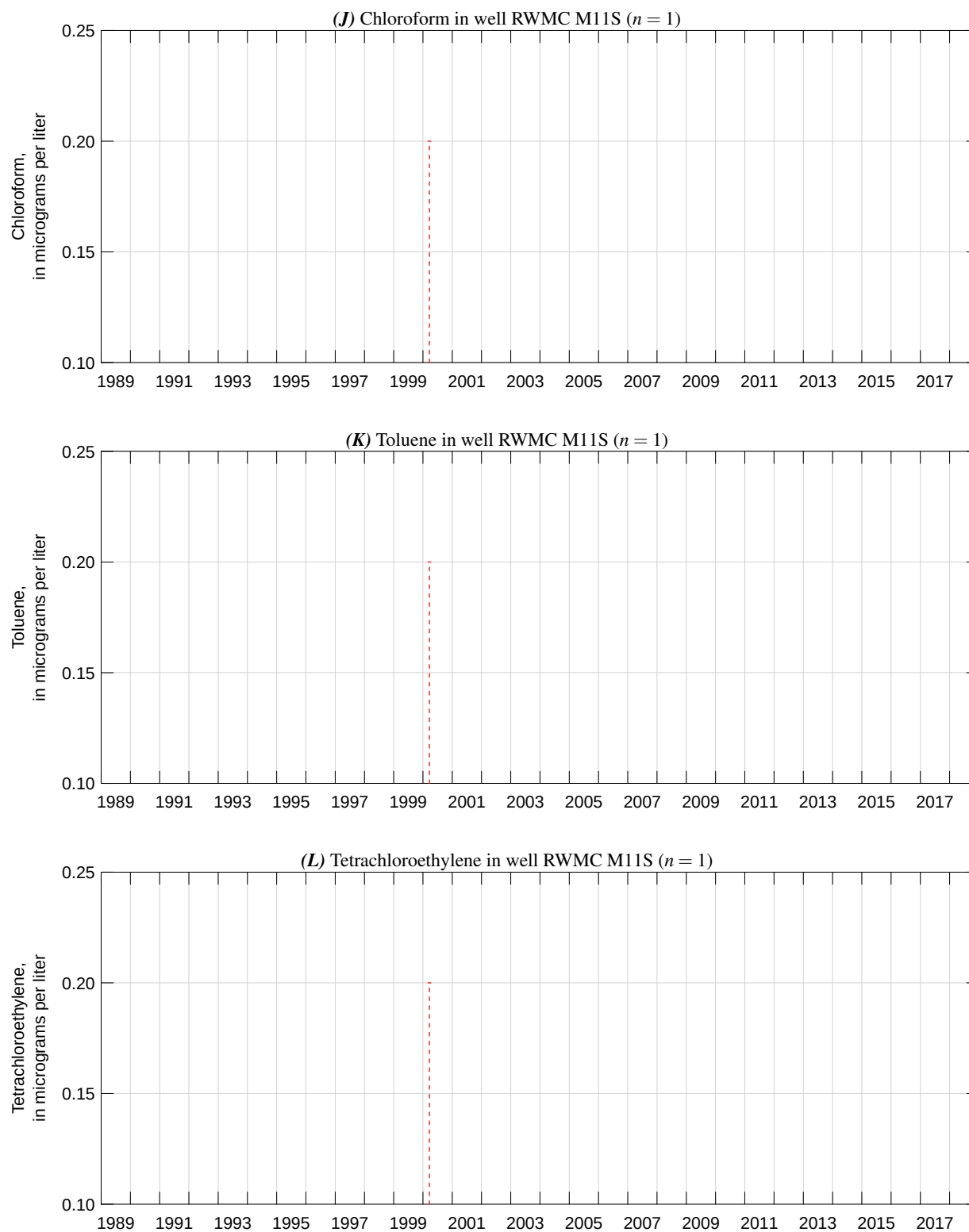


Figure 4.27. —Continued

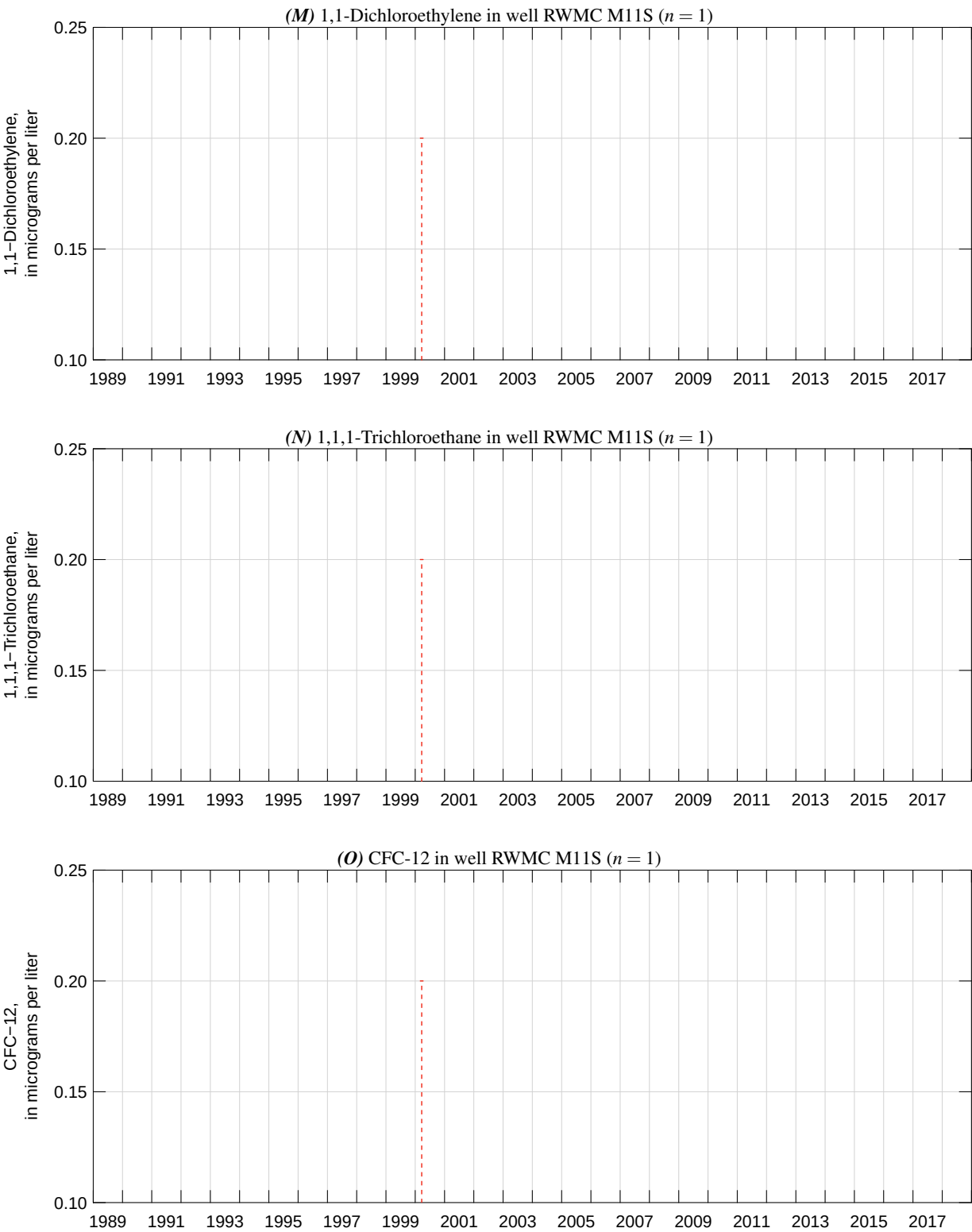


Figure 4.27. —Continued

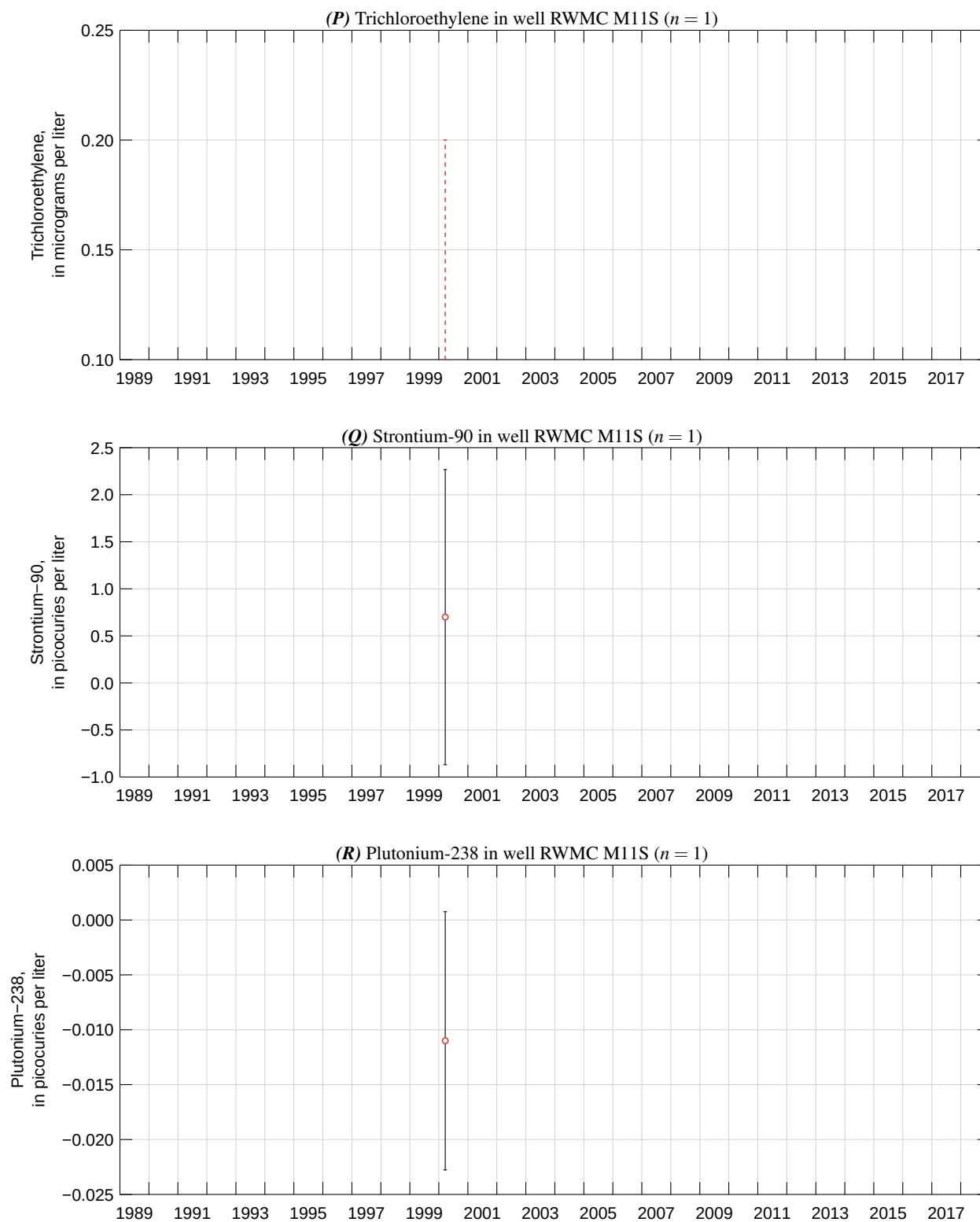


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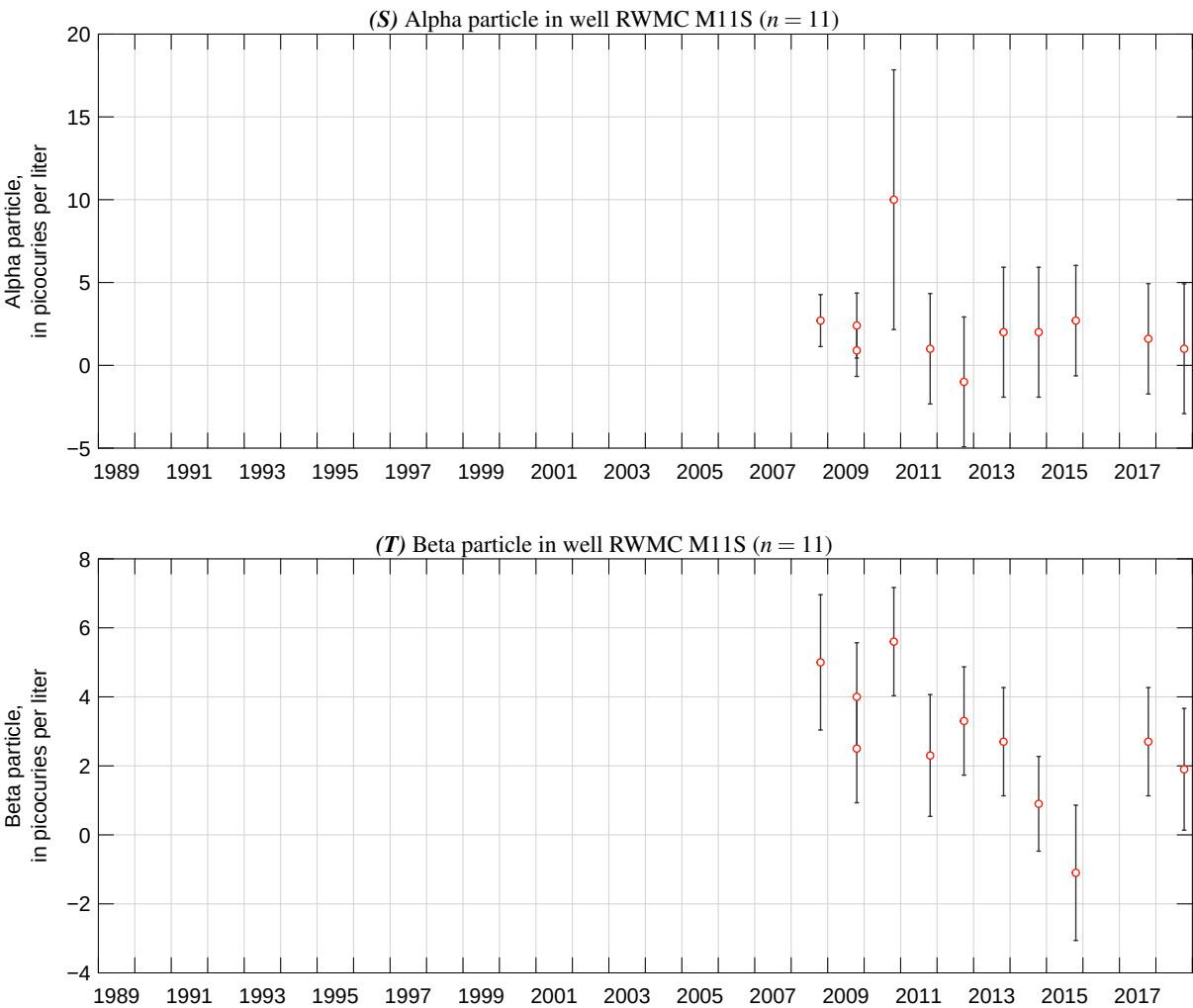


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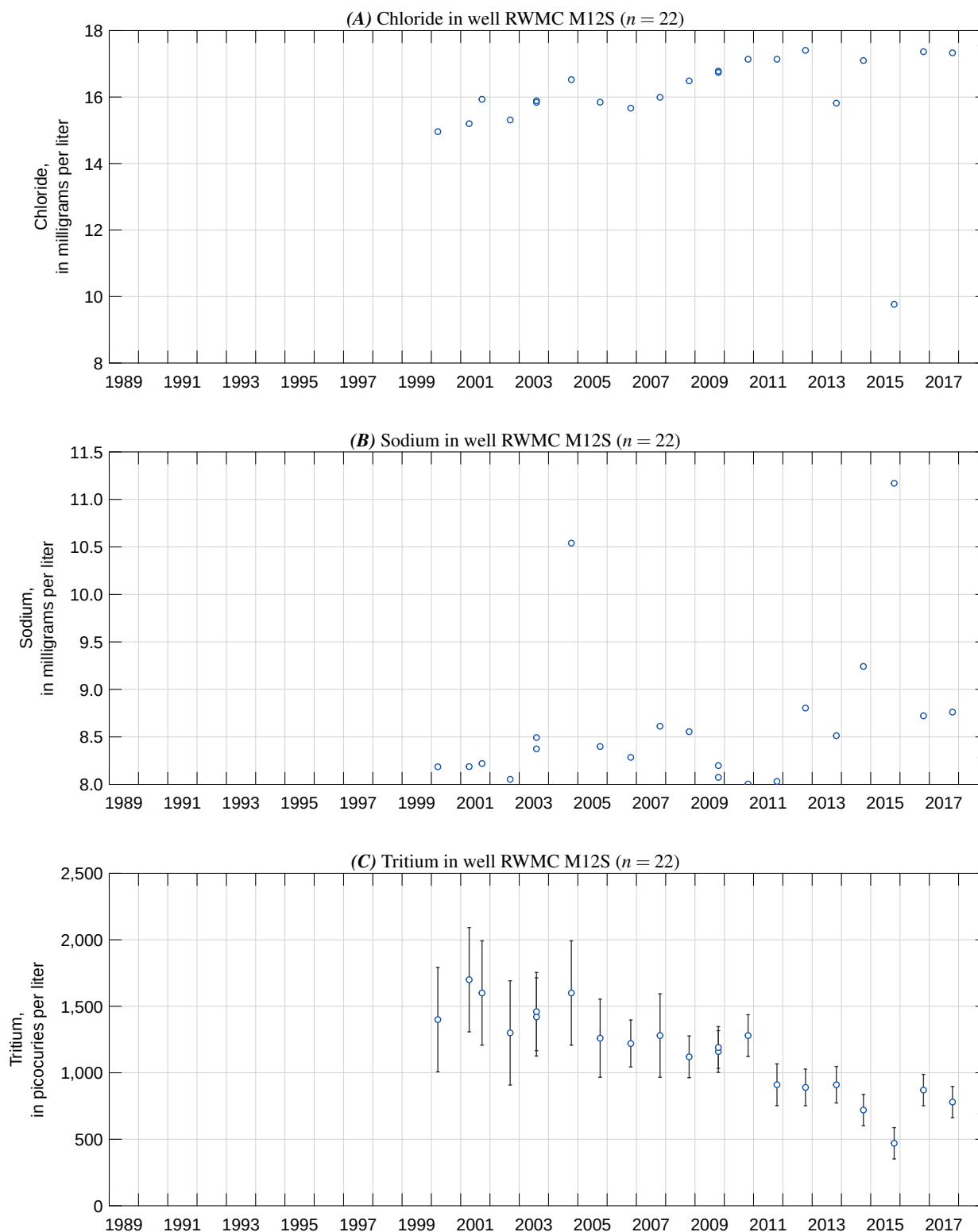


Figure 4.28. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, (R) plutonium-238, (S) alpha particle, and (T) beta particle concentrations in water collected from well RWMC M12S (Site No. 433118112593401), Idaho National Laboratory, Idaho, 1989–2018.

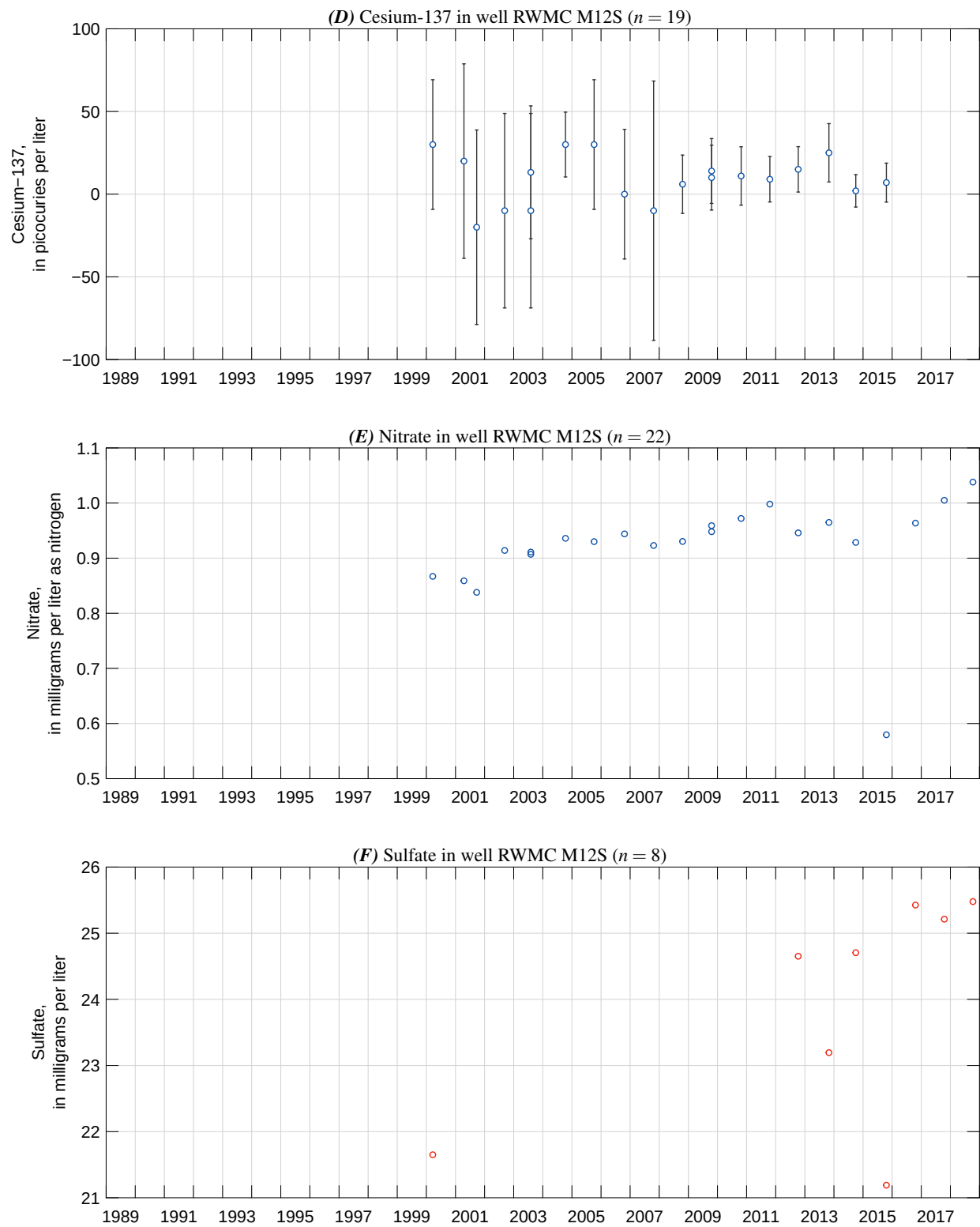


Figure 4.28. —Continued

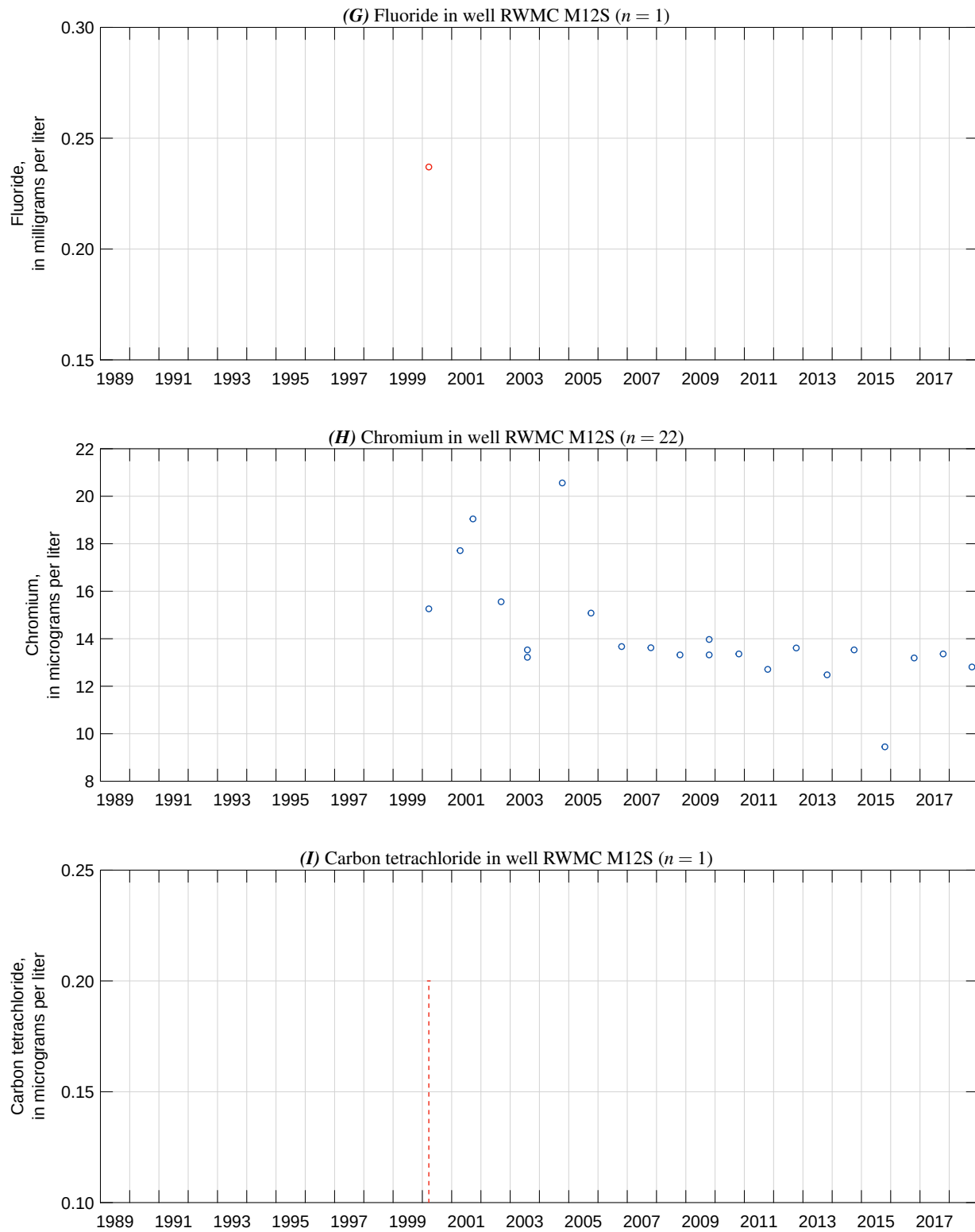


Figure 4.28. —Continued

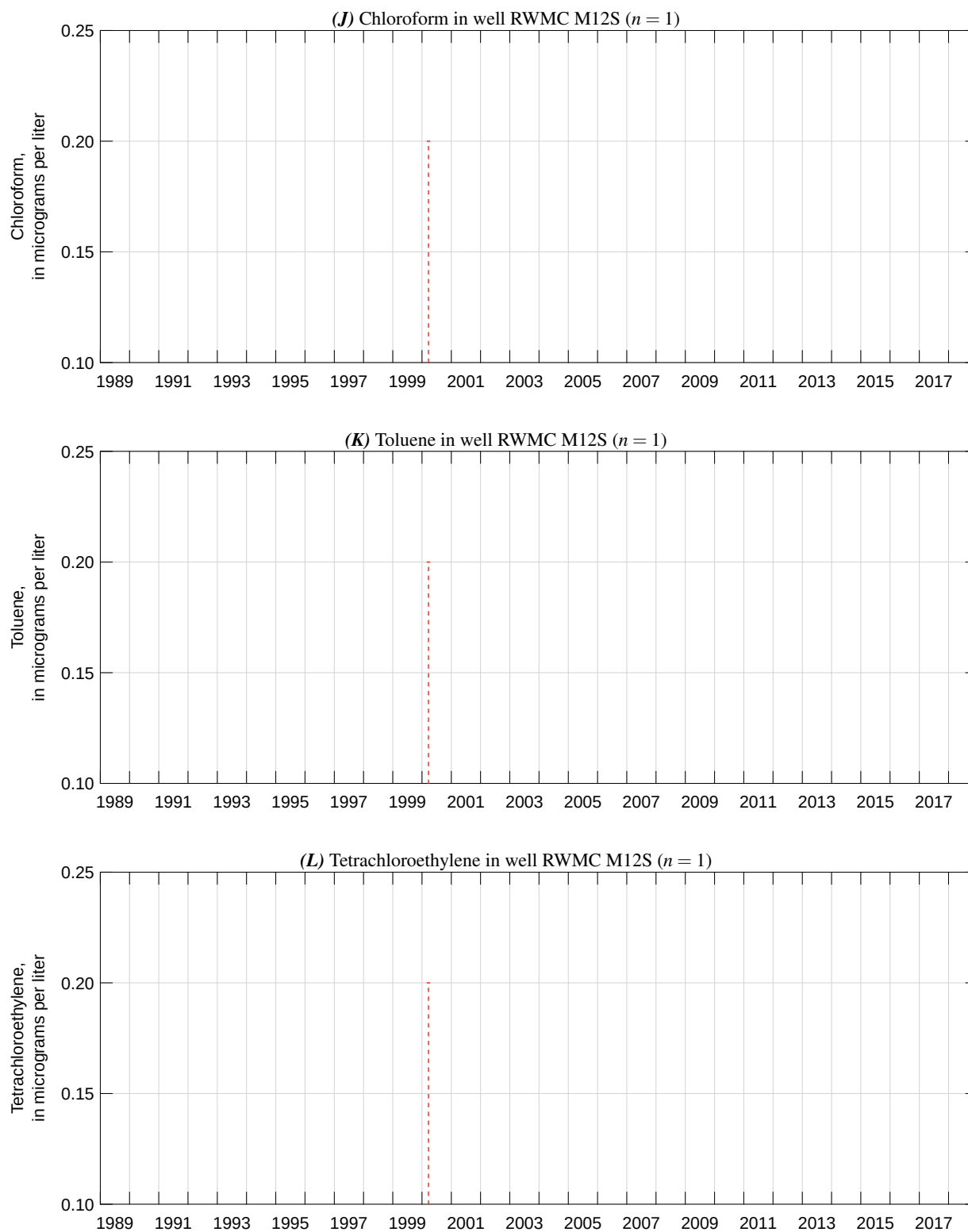


Figure 4.28. —Continued

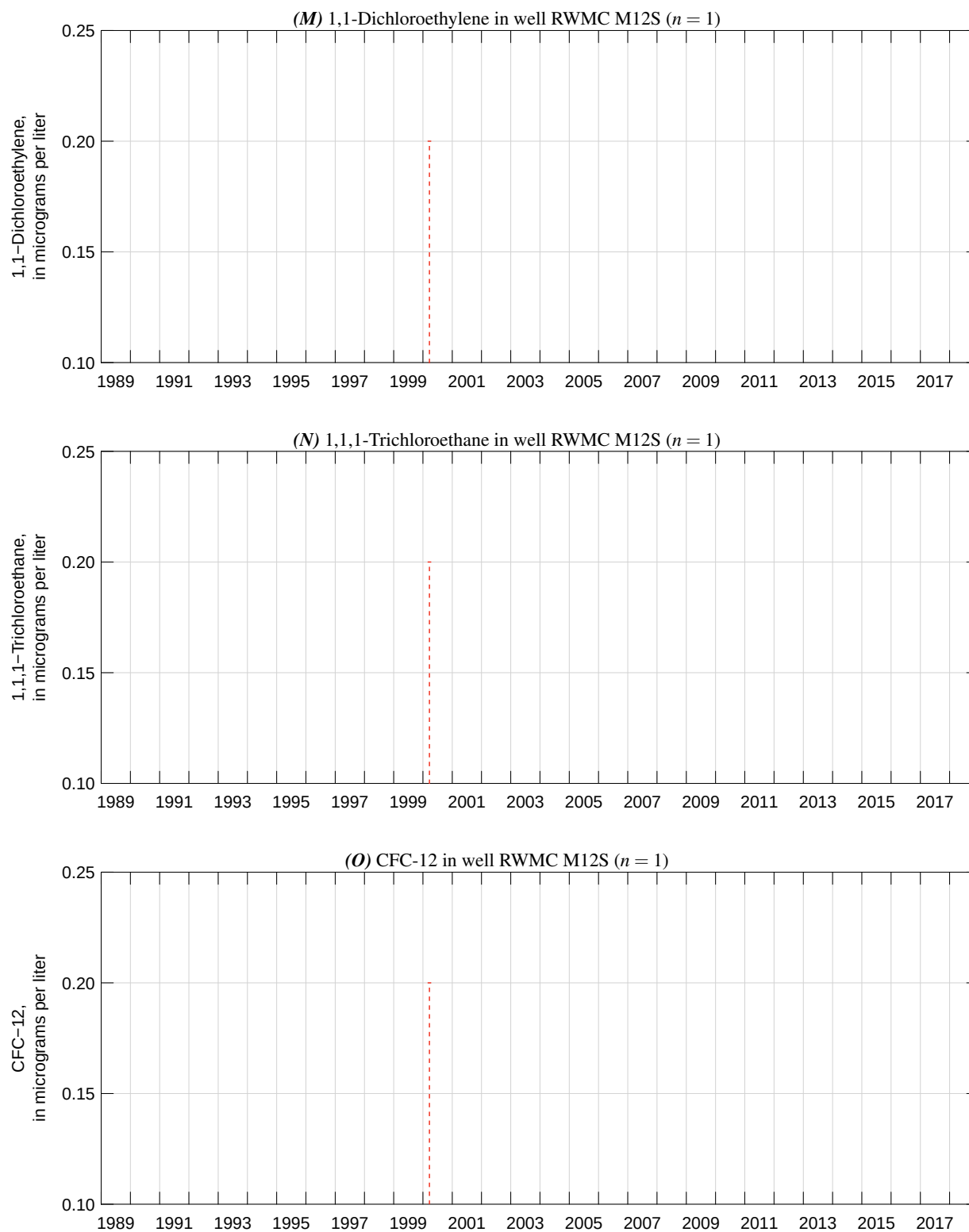


Figure 4.28. —Continued

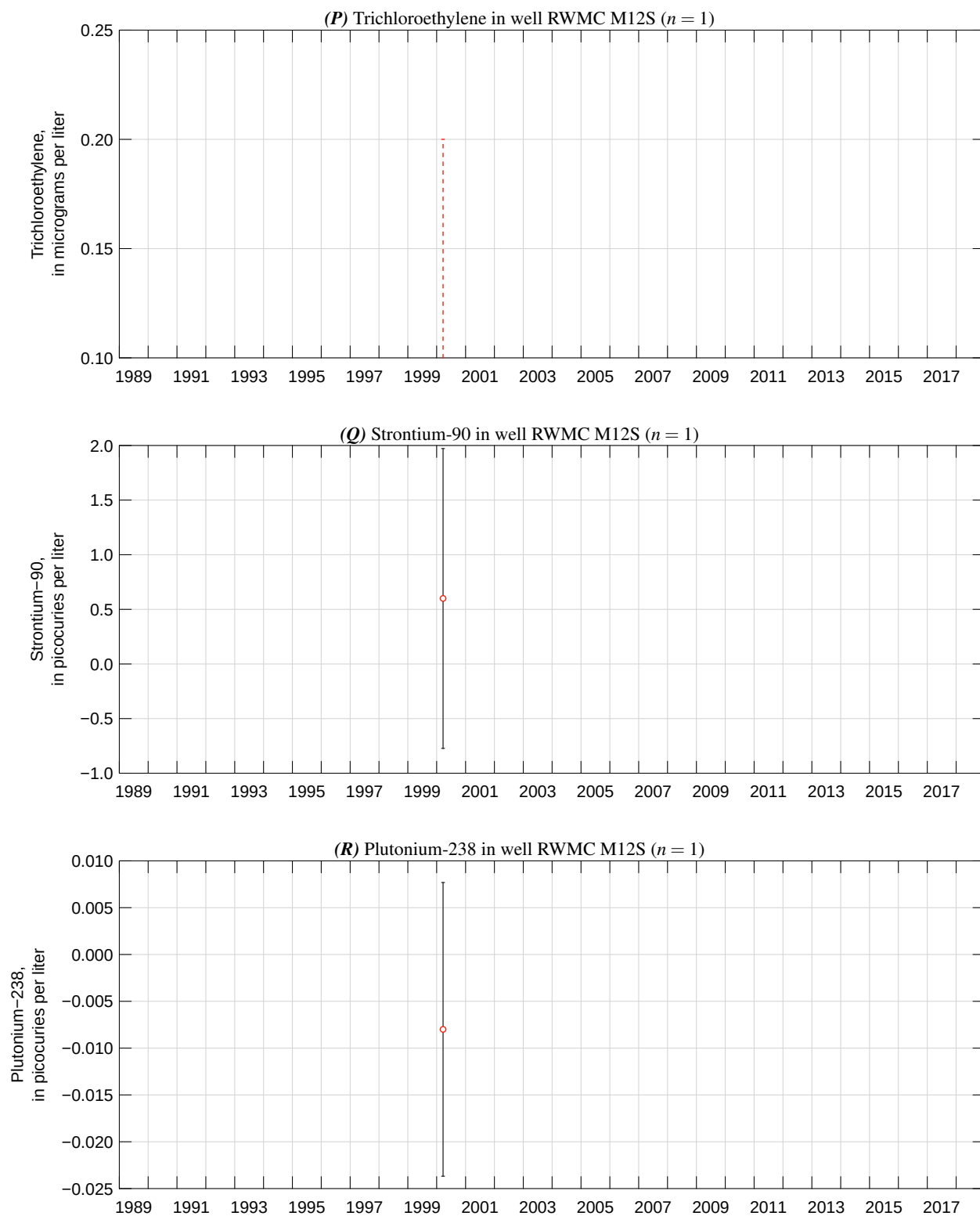


Figure 4.28. —Continued

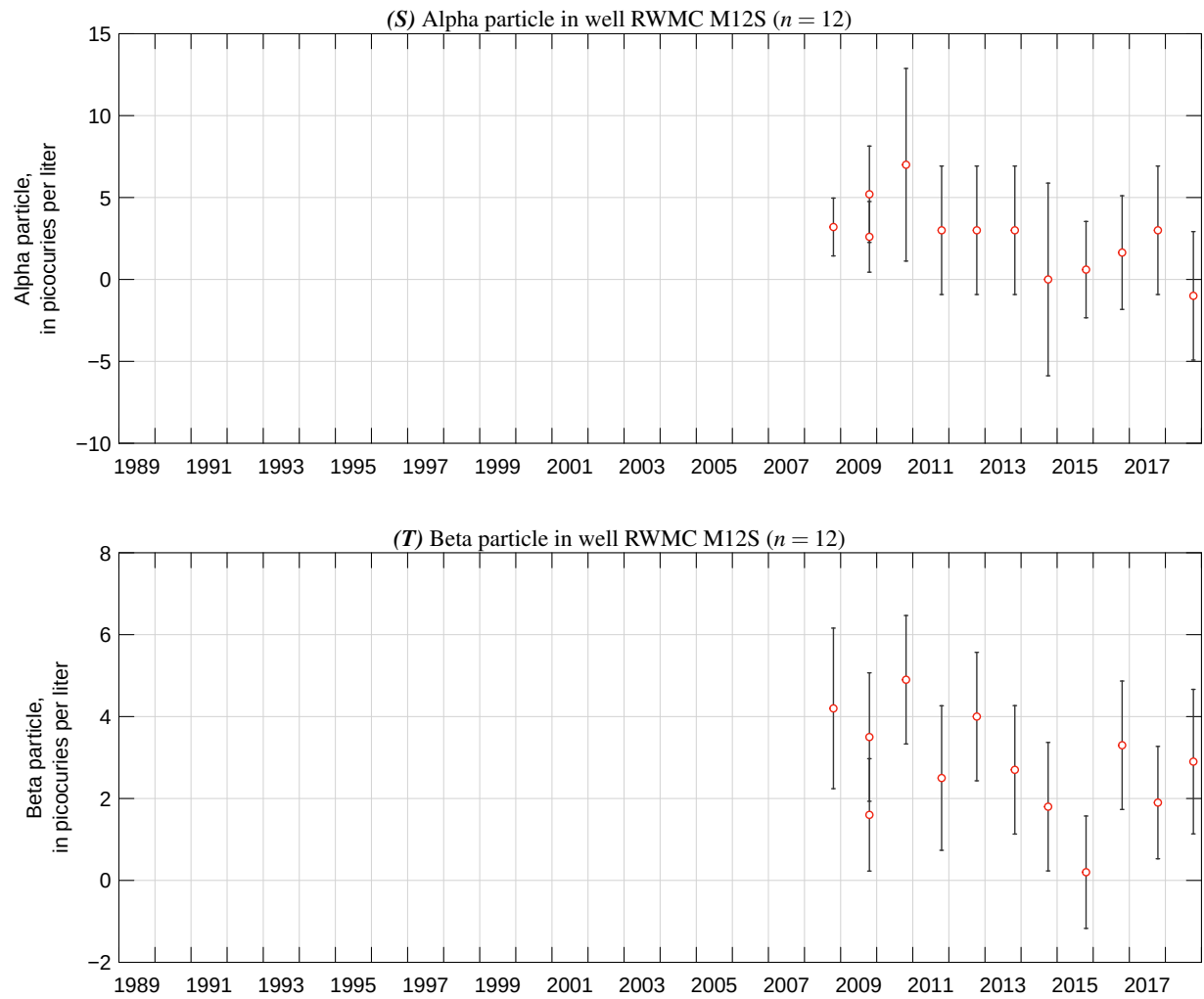


Figure 4.28. —Continued

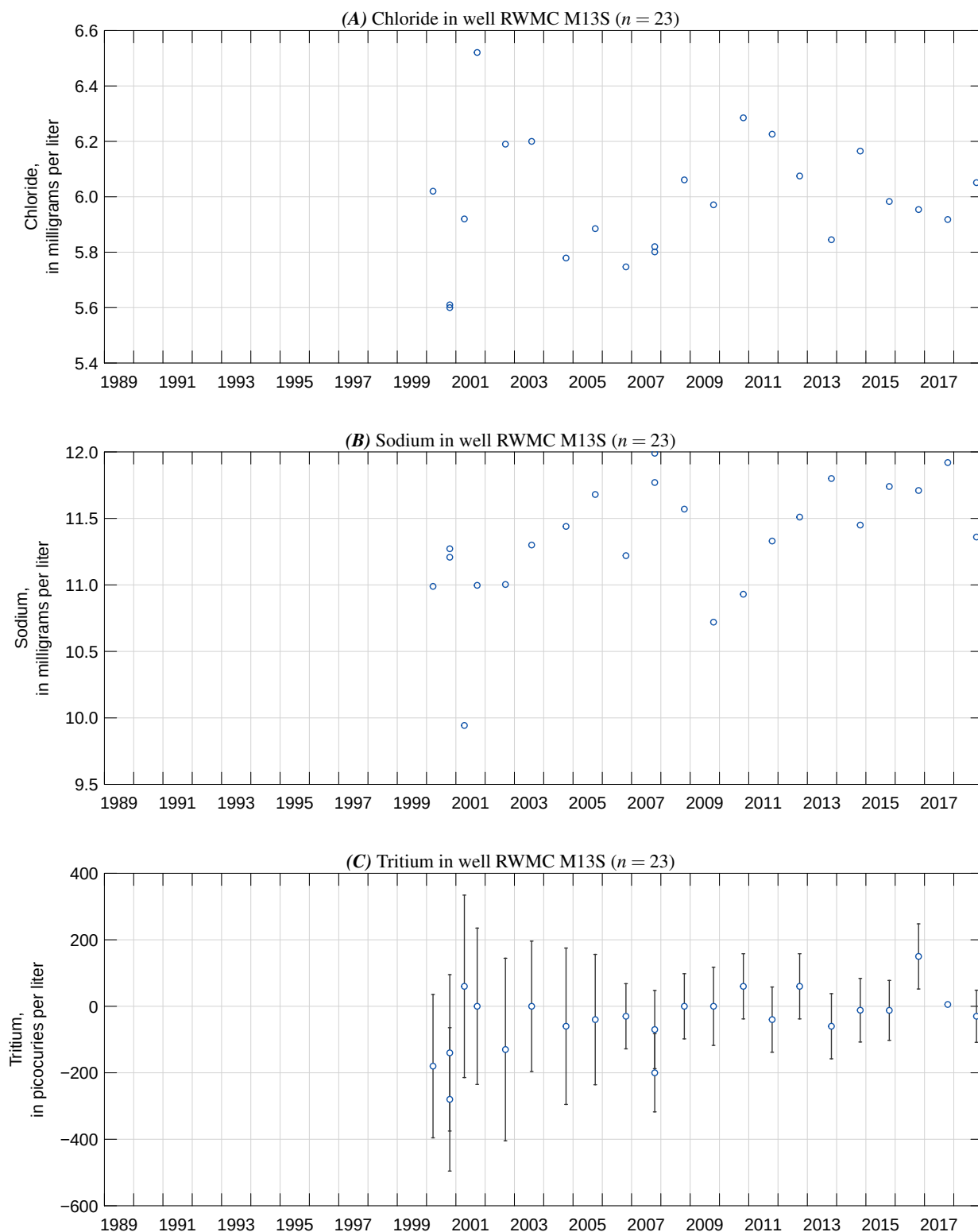


Figure 4.29. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, (R) plutonium-238, (S) alpha particle, and (T) beta particle concentrations in water collected from well RWMC M13S (Site No. 433037113002701), Idaho National Laboratory, Idaho, 1989–2018.

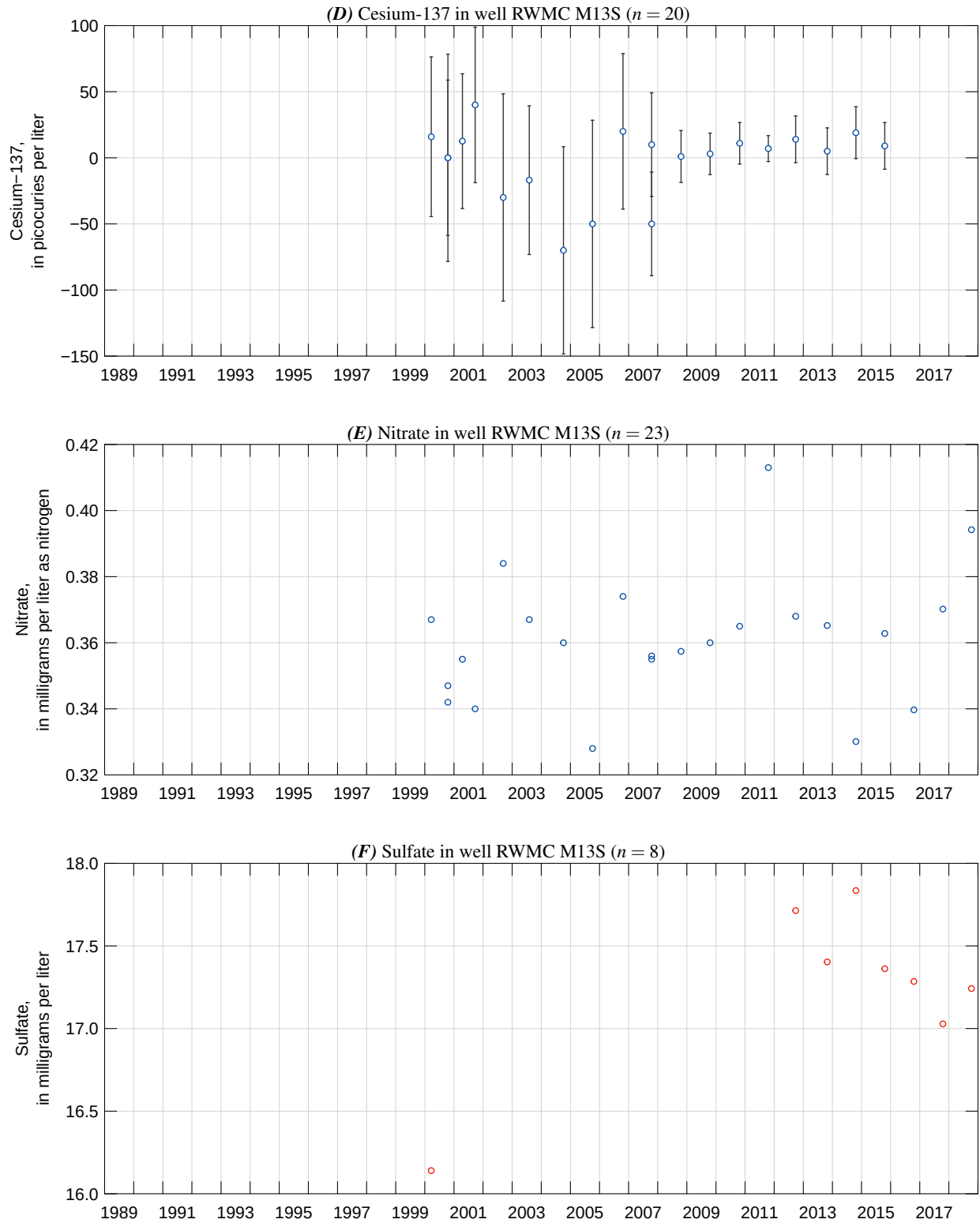


Figure 4.29. —Continued

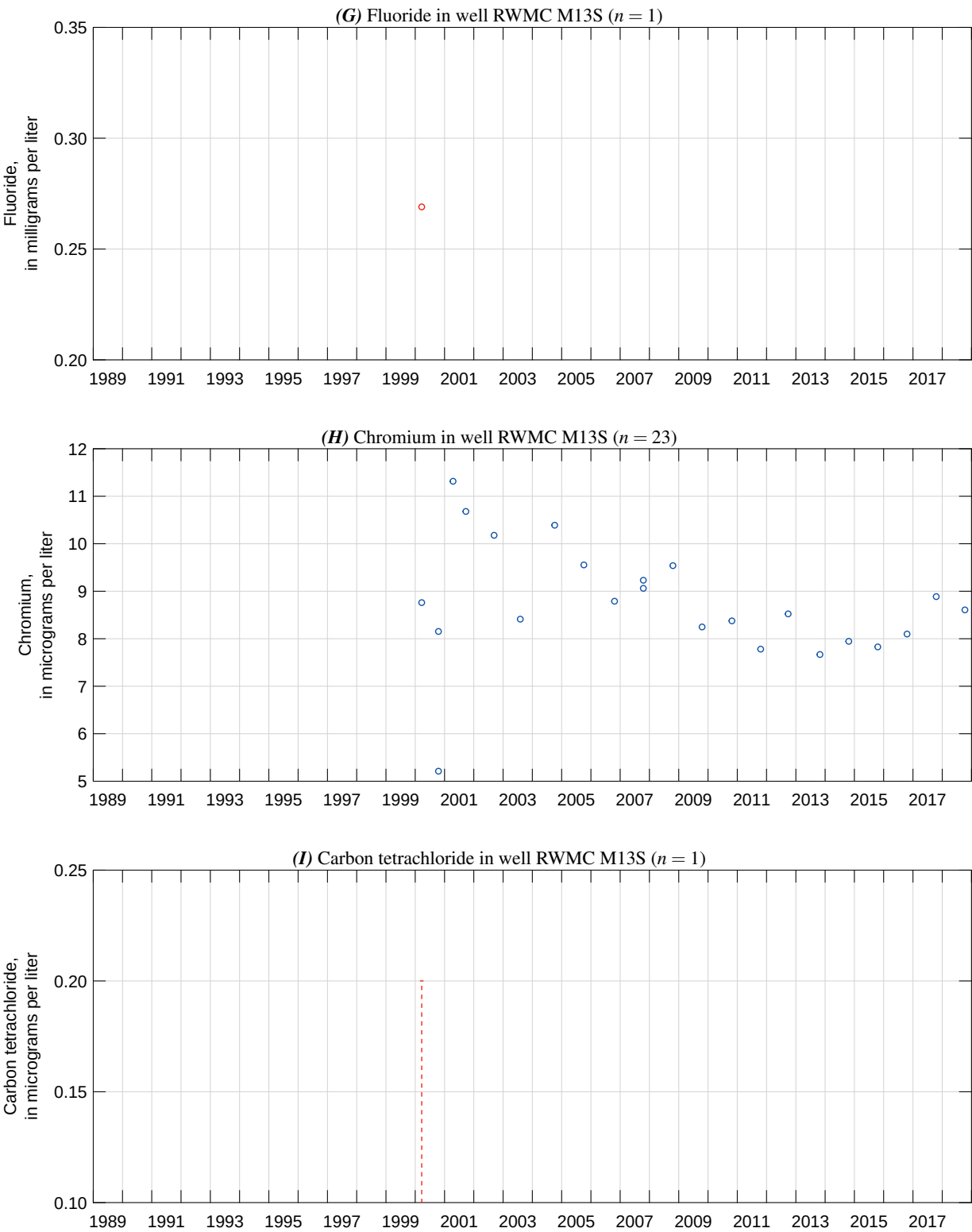


Figure 4.29. —Continued

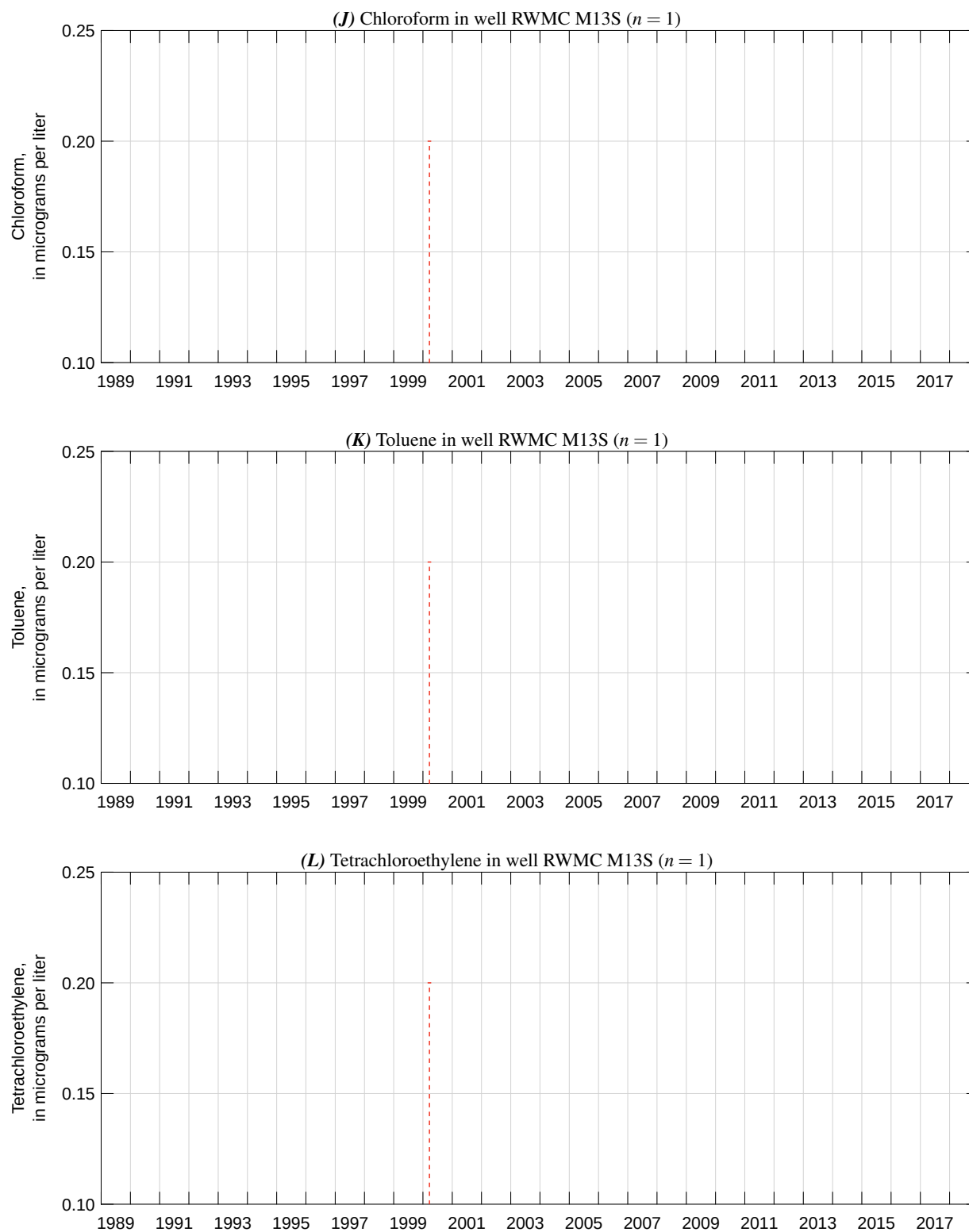


Figure 4.29. —Continued

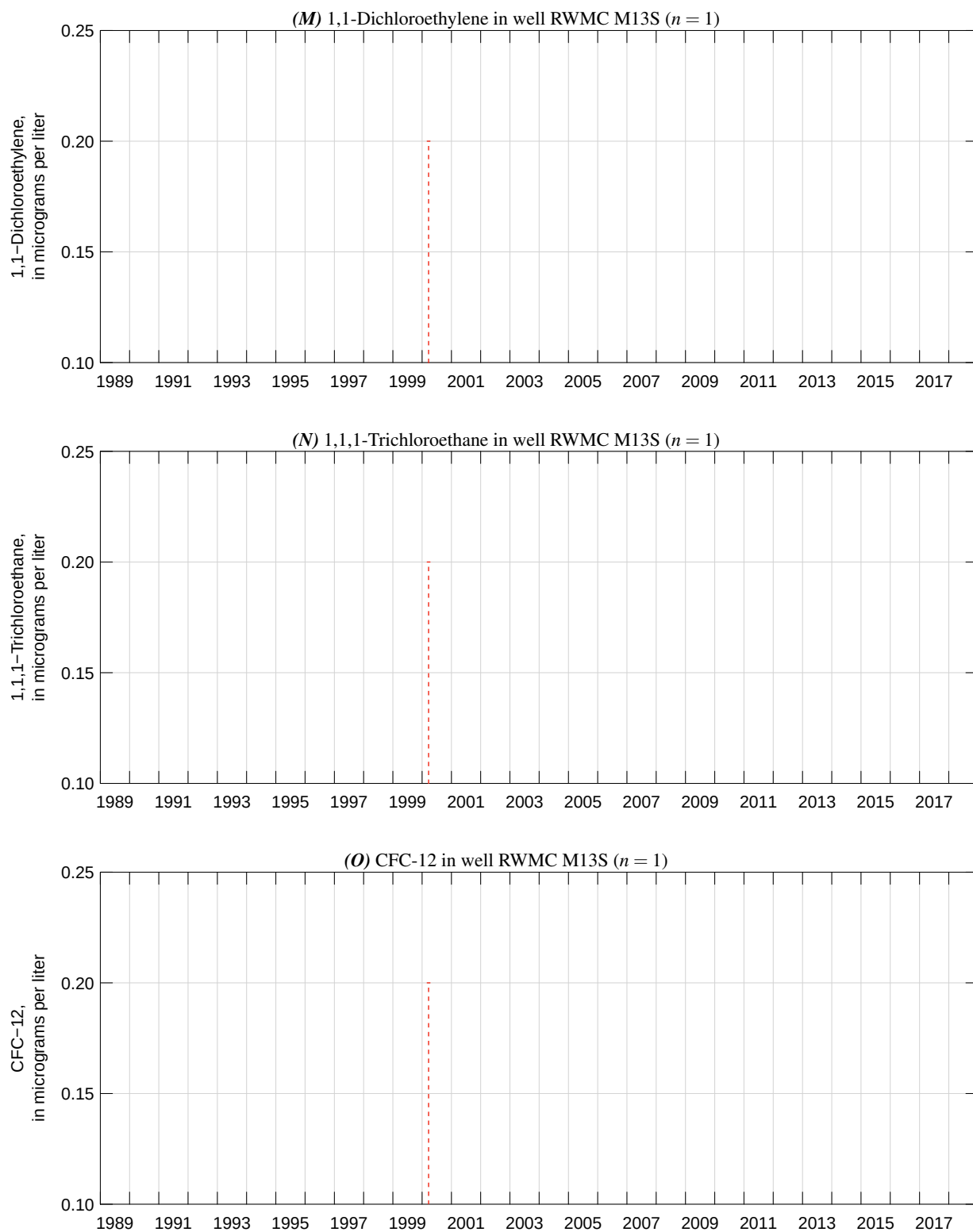


Figure 4.29. —Continued

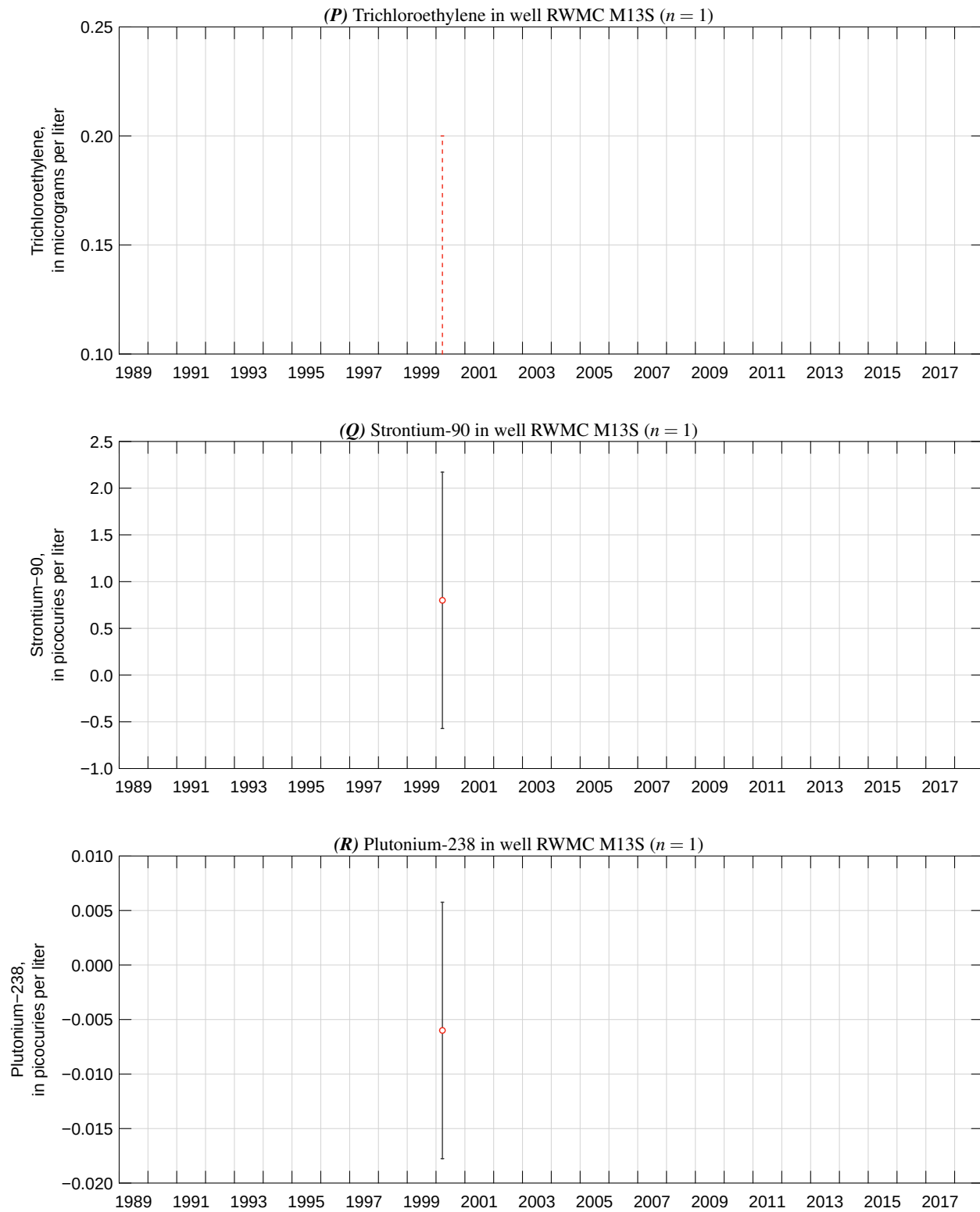


Figure 4.29. —Continued

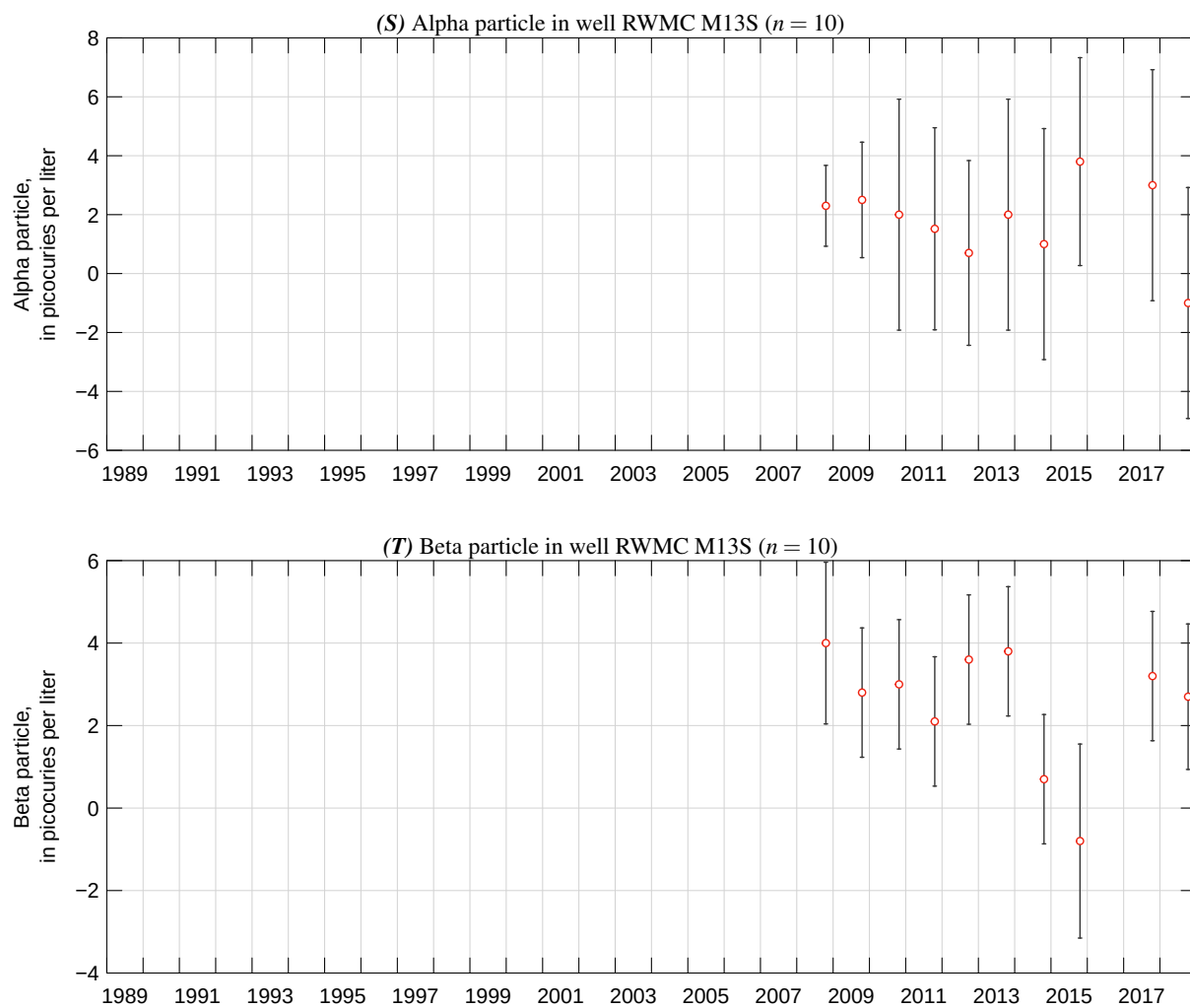


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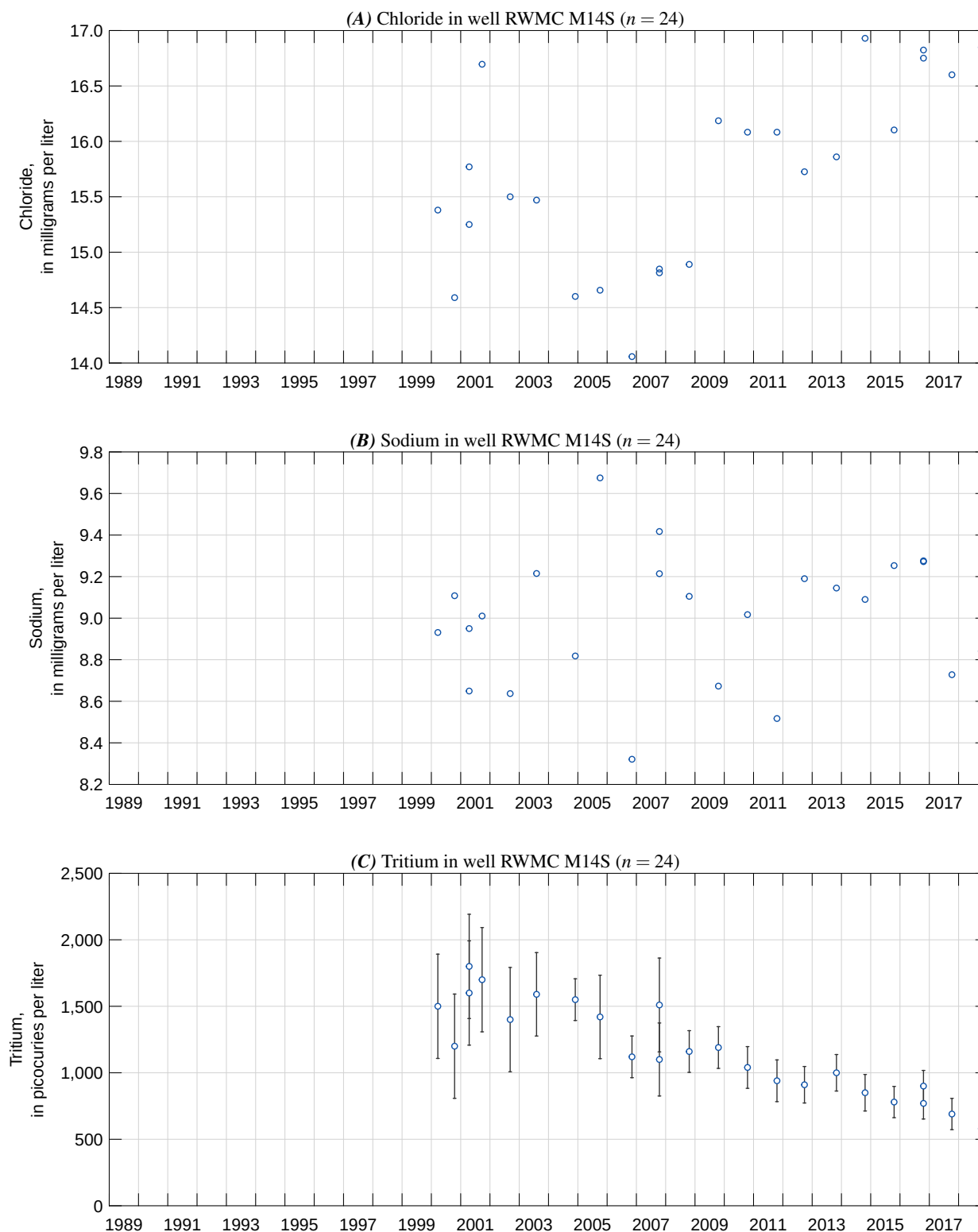


Figure 4.30. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, (R) plutonium-238, (S) alpha particle, and (T) beta particle concentrations in water collected from well RWMC M14S (Site No. 433052113025001), Idaho National Laboratory, Idaho, 1989–2018.

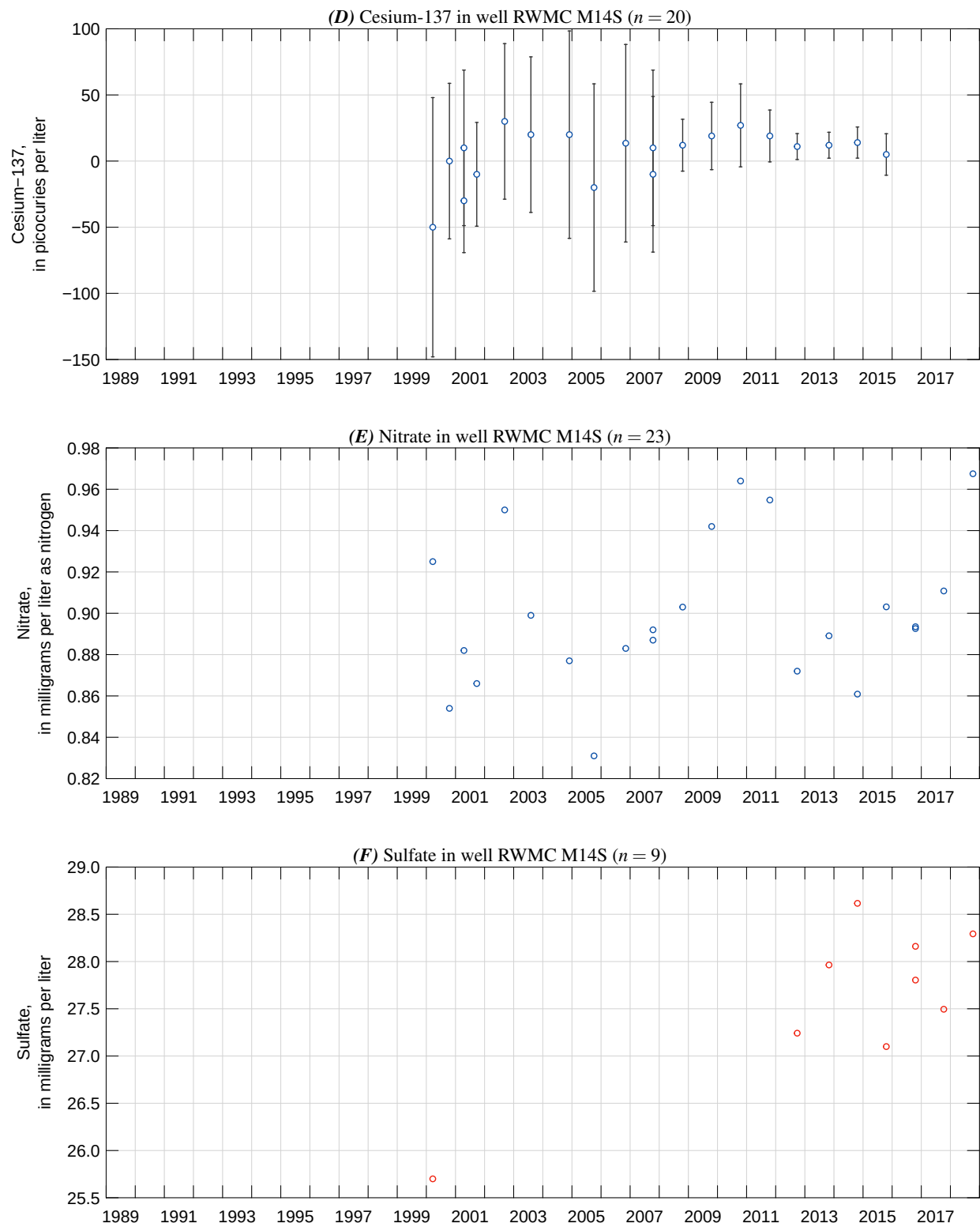


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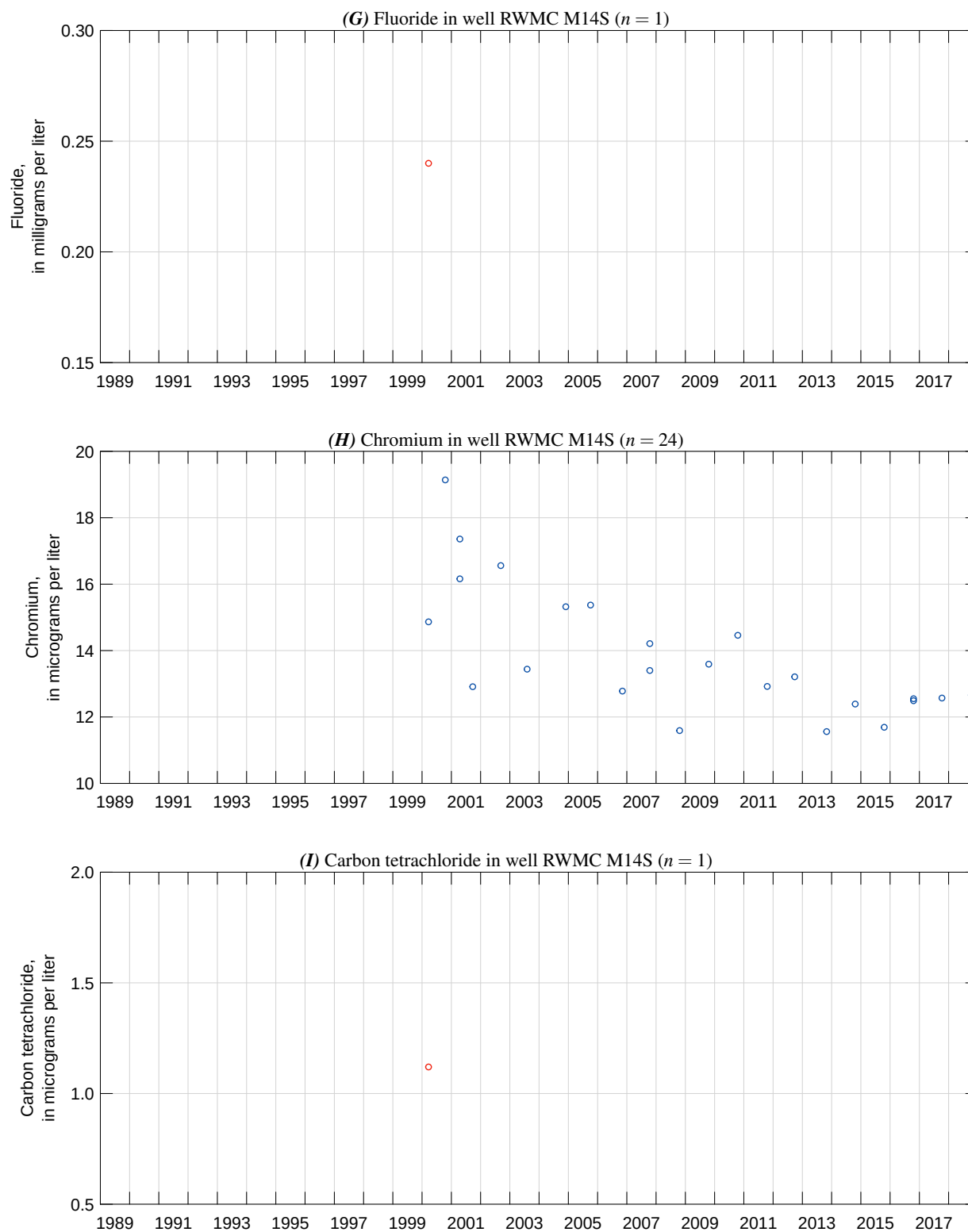


Figure 4.30. —Continued

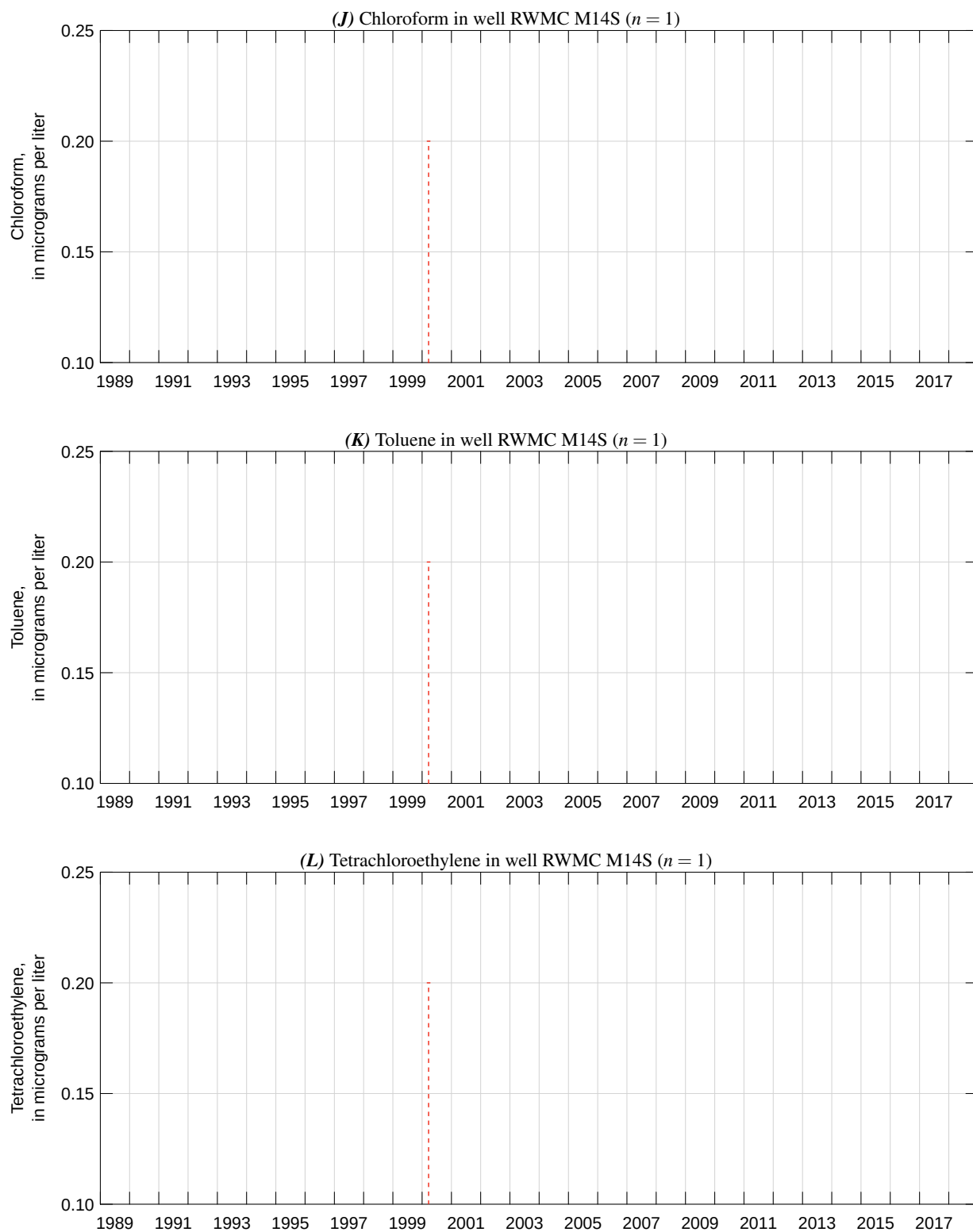


Figure 4.30. —Continued

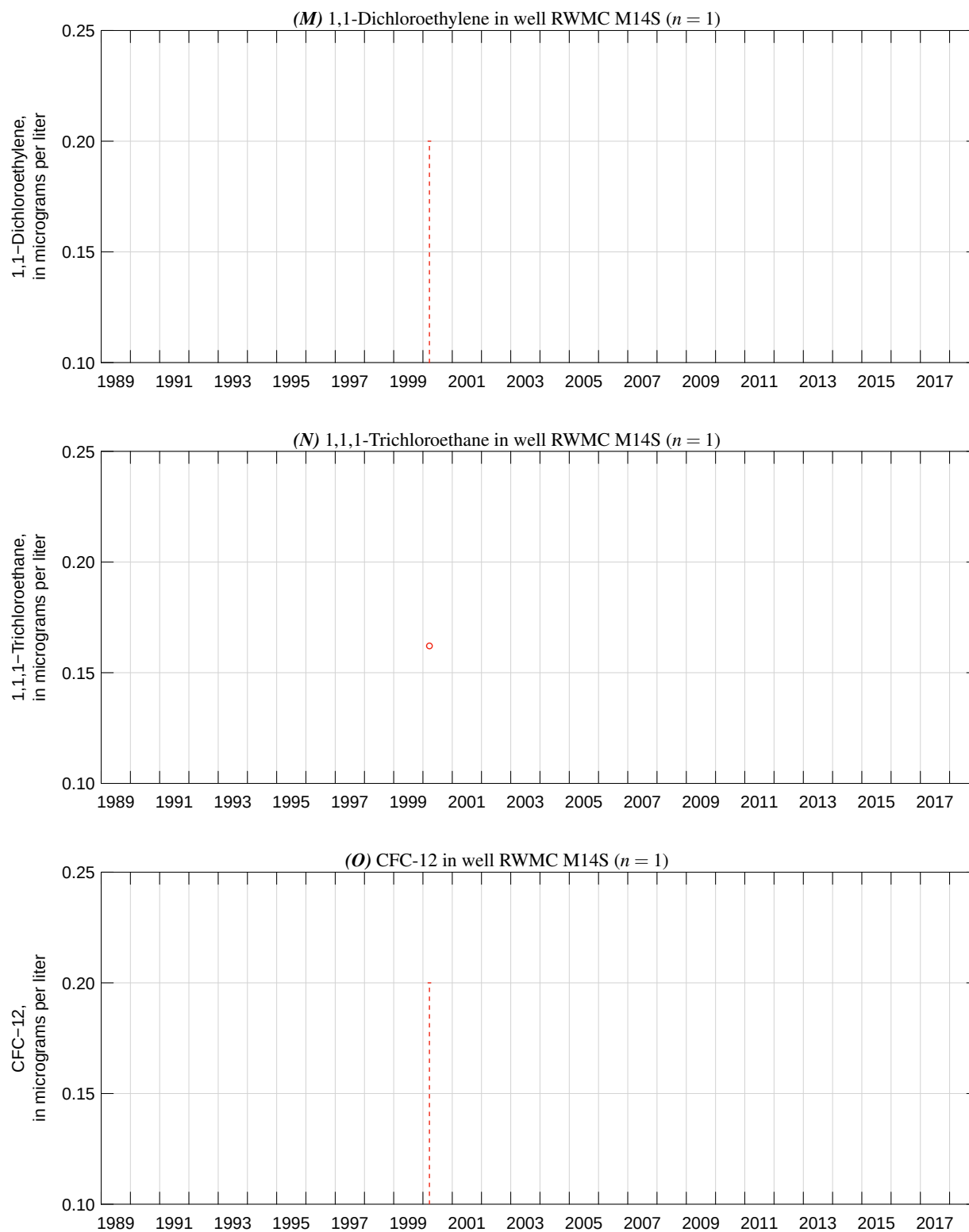


Figure 4.30. —Continued

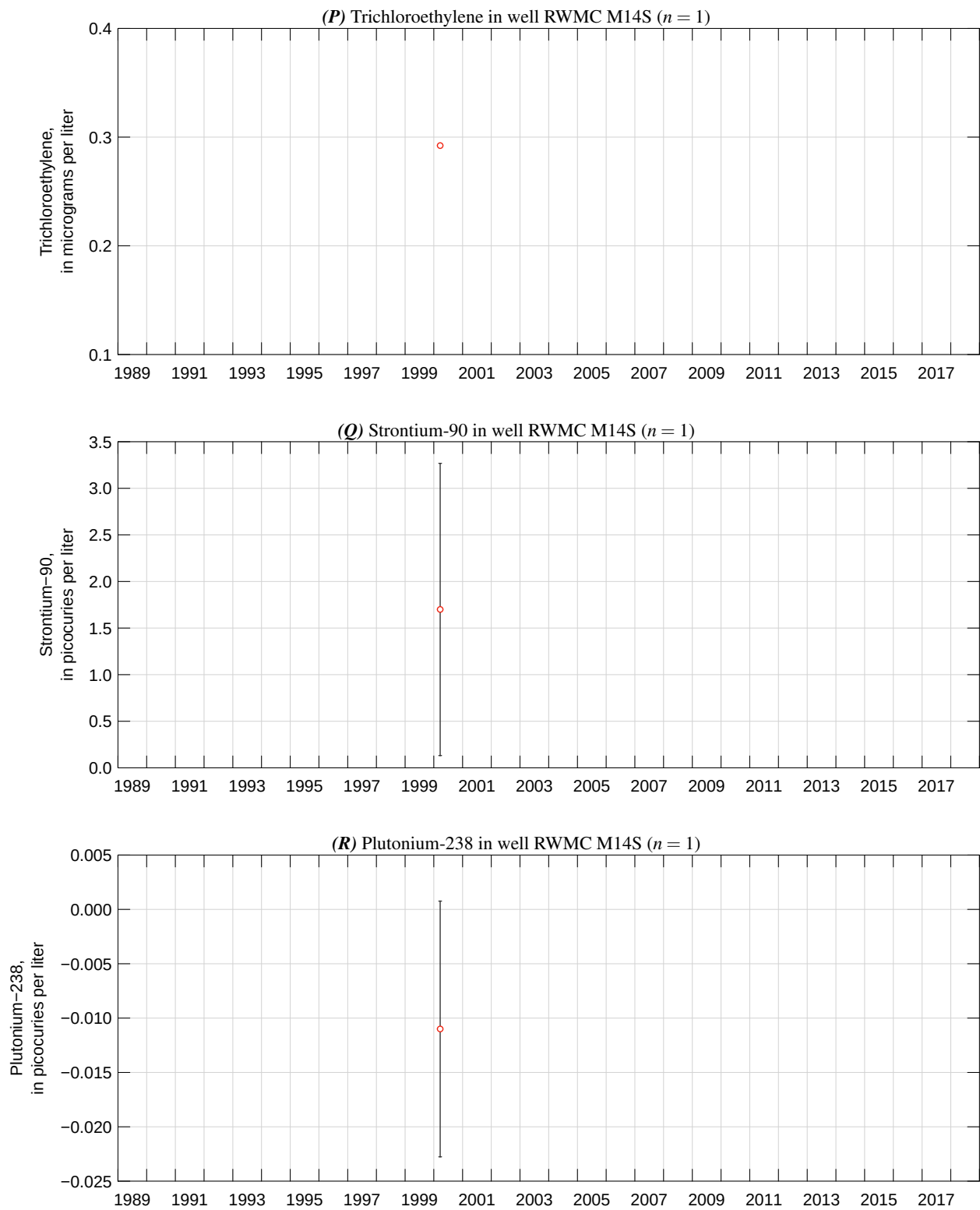


Figure 4.30. —Continued

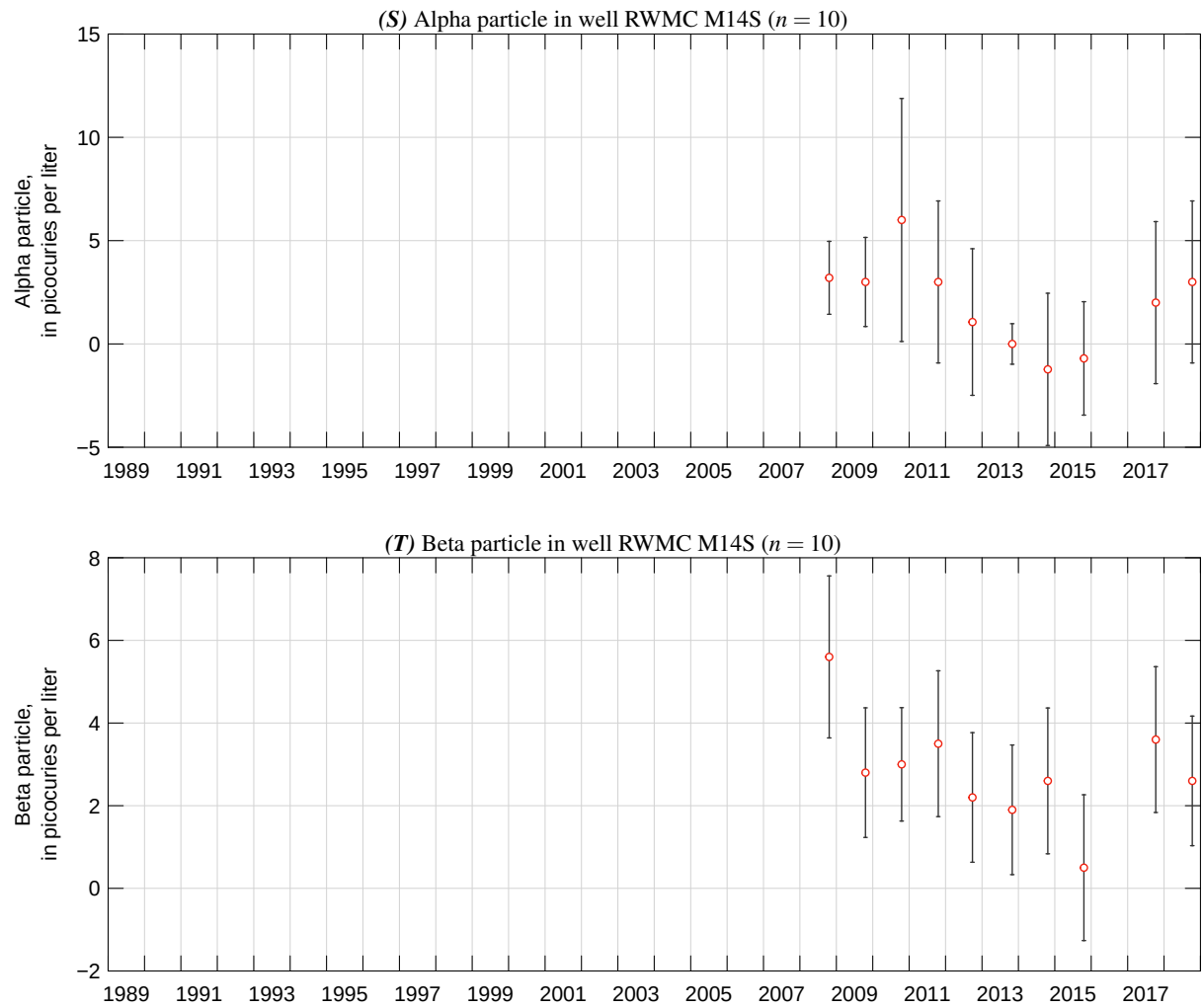


Figure 4.30. —Continued

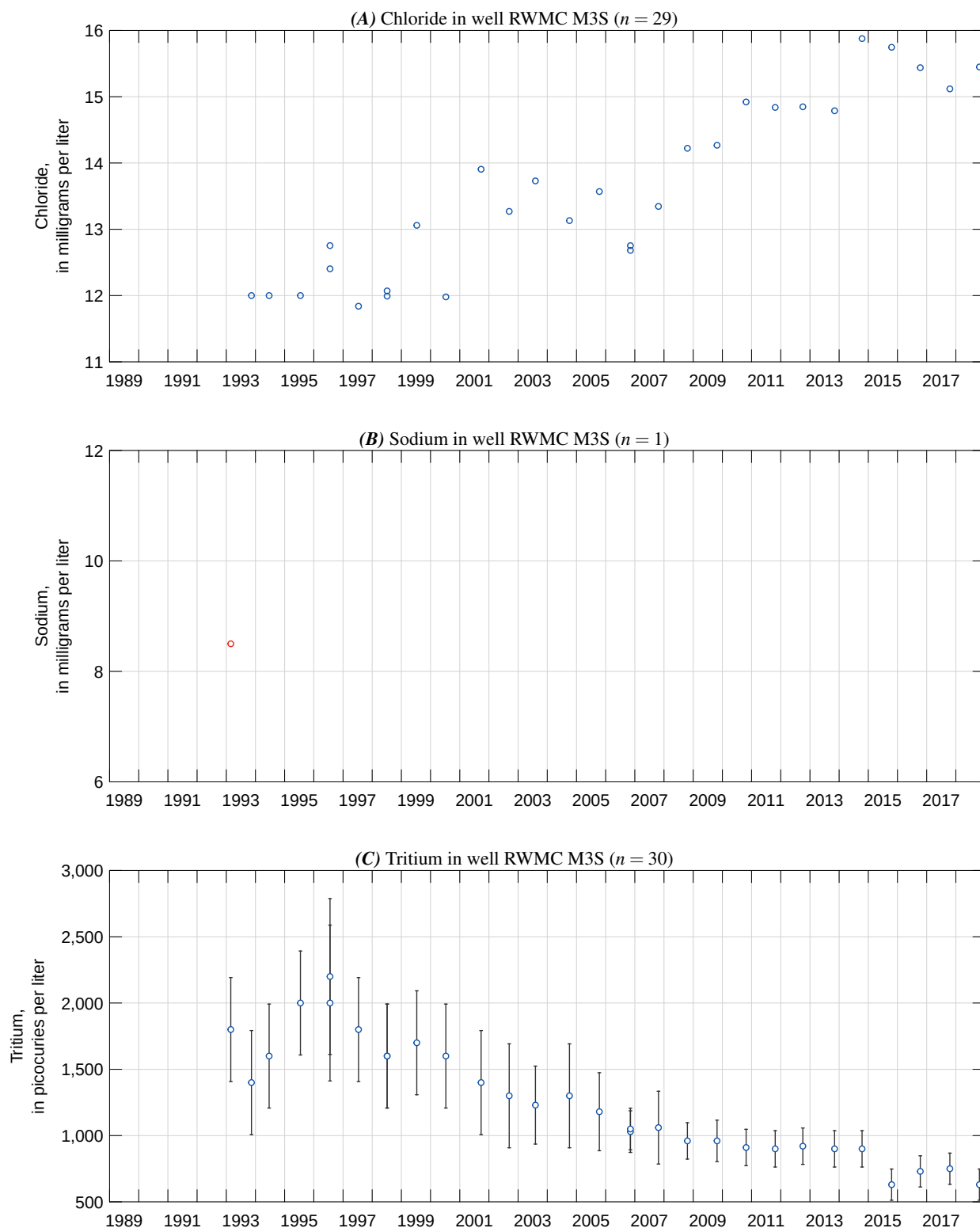


Figure 4.31. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) chromium, (G) carbon tetrachloride, (H) chloroform, (I) toluene, (J) tetrachloroethylene, (K) 1,1-dichloroethylene, (L) 1,1,1-trichloroethane, (M) cfc-12, (N) trichloroethylene, (O) strontium-90, and (P) plutonium-238 concentrations in water collected from well RWMC M3S (Site No. 433008113021801), Idaho National Laboratory, Idaho, 1989–2018.

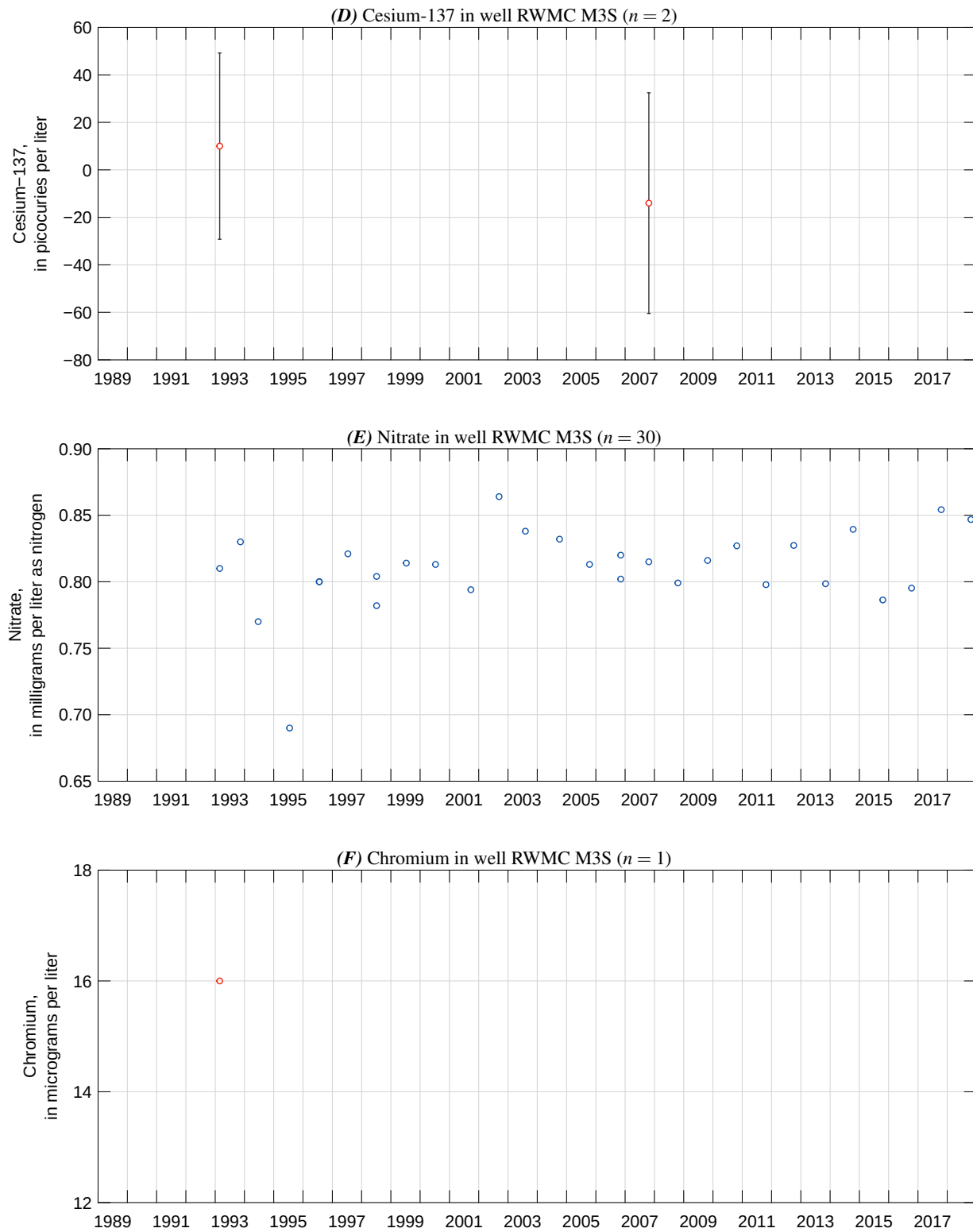


Figure 4.31. —Continued

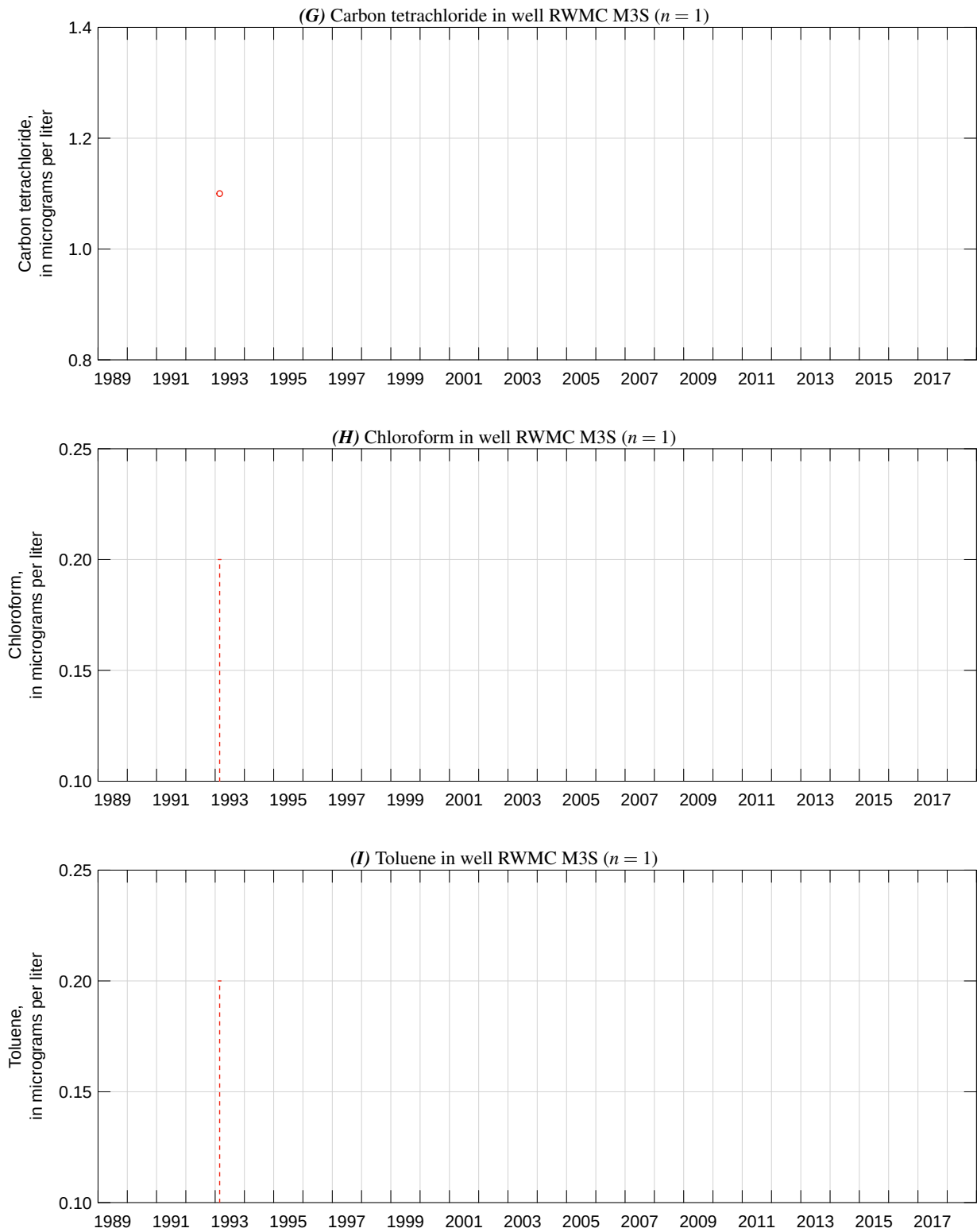


Figure 4.31. —Continued

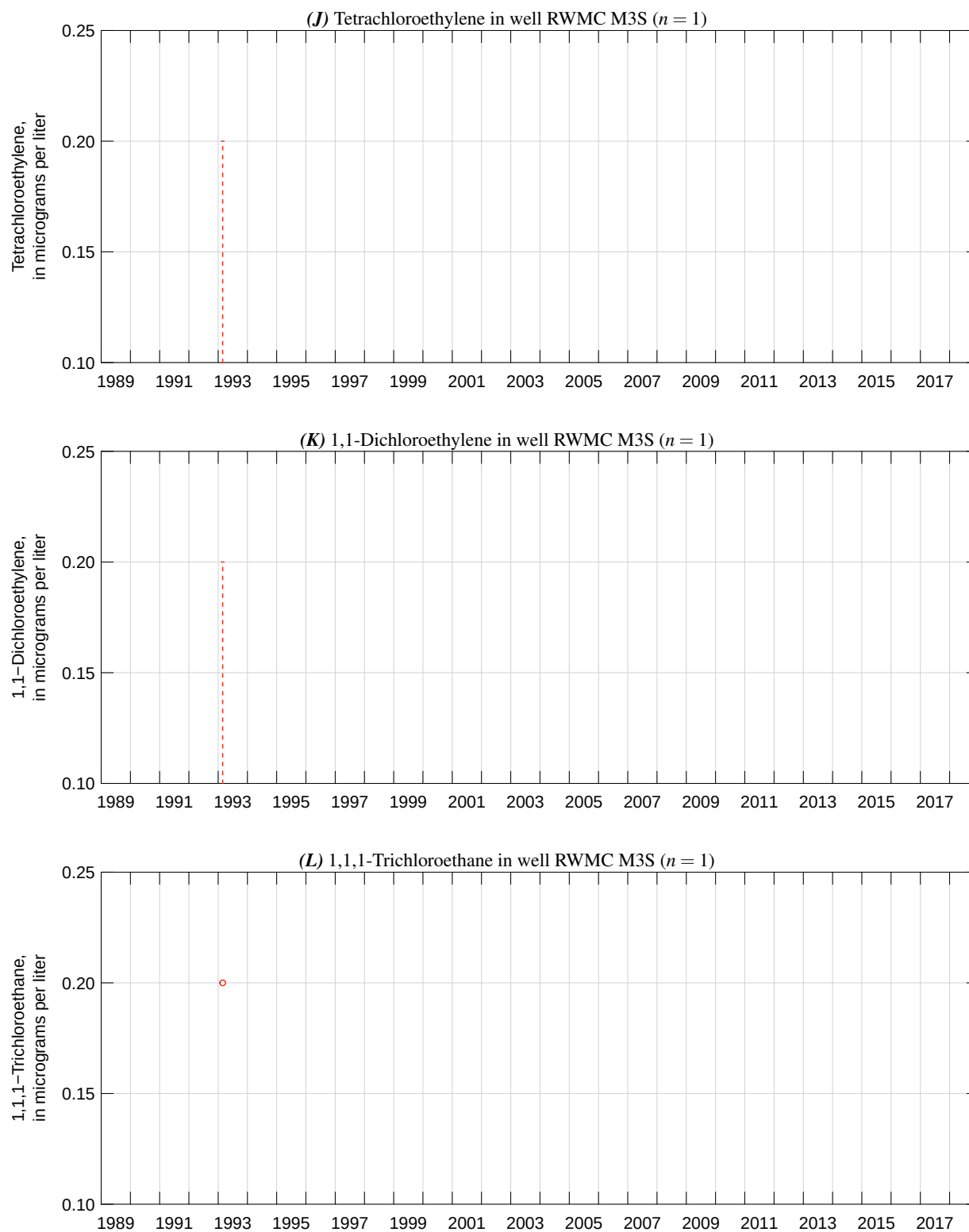


Figure 4.31. —Continued

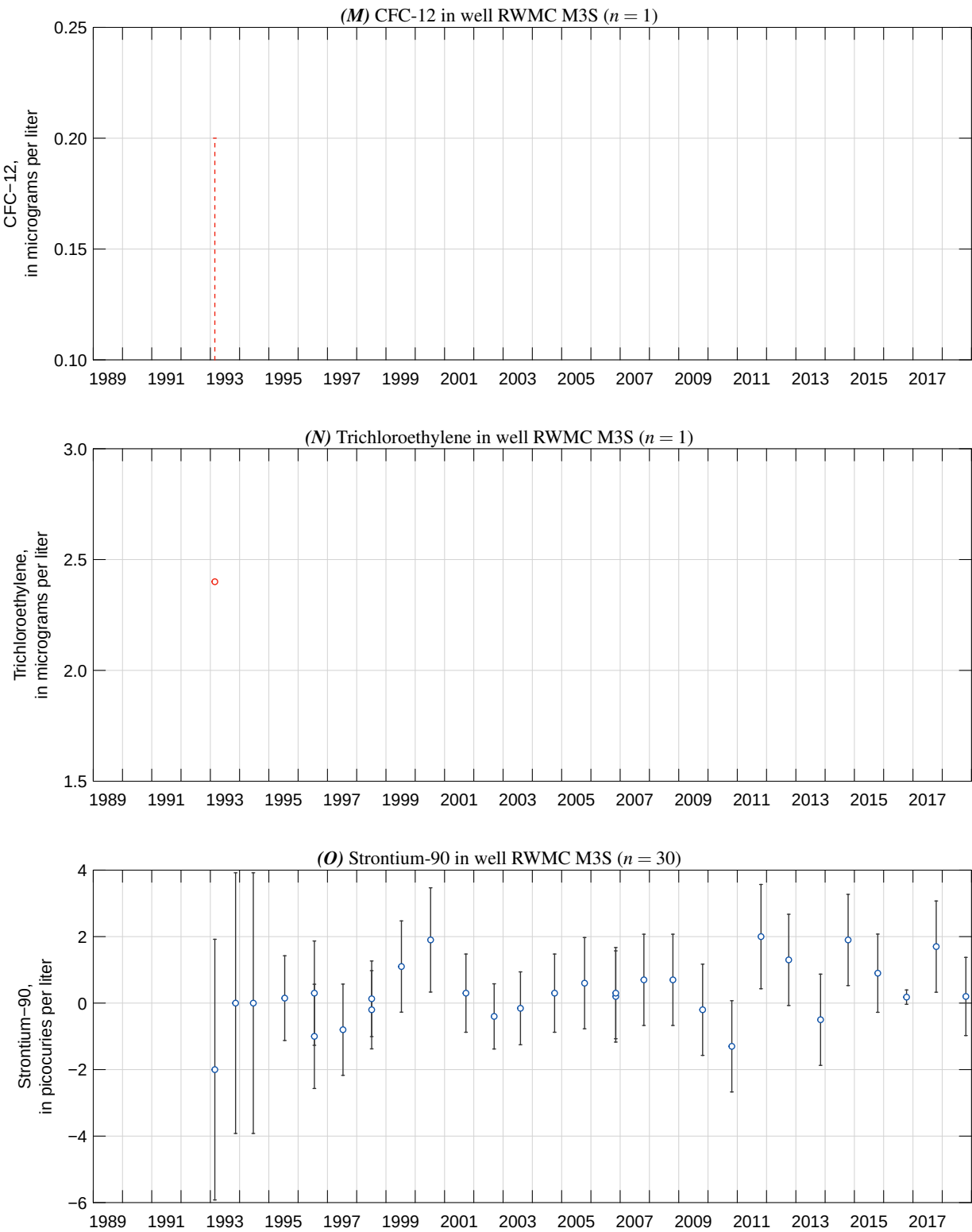
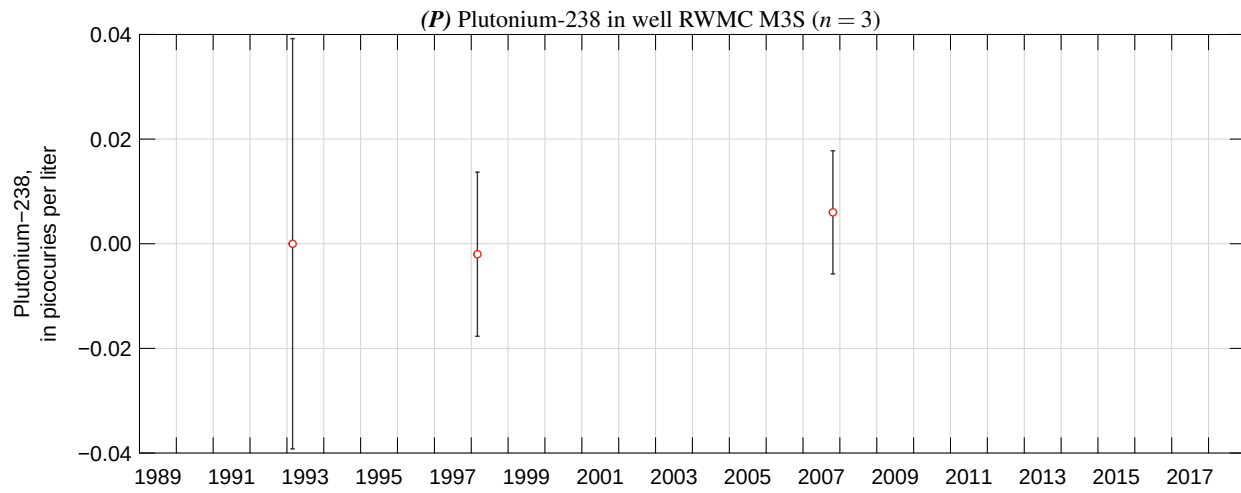


Figure 4.31. —Continued

**Figure 4.31.** —Continued

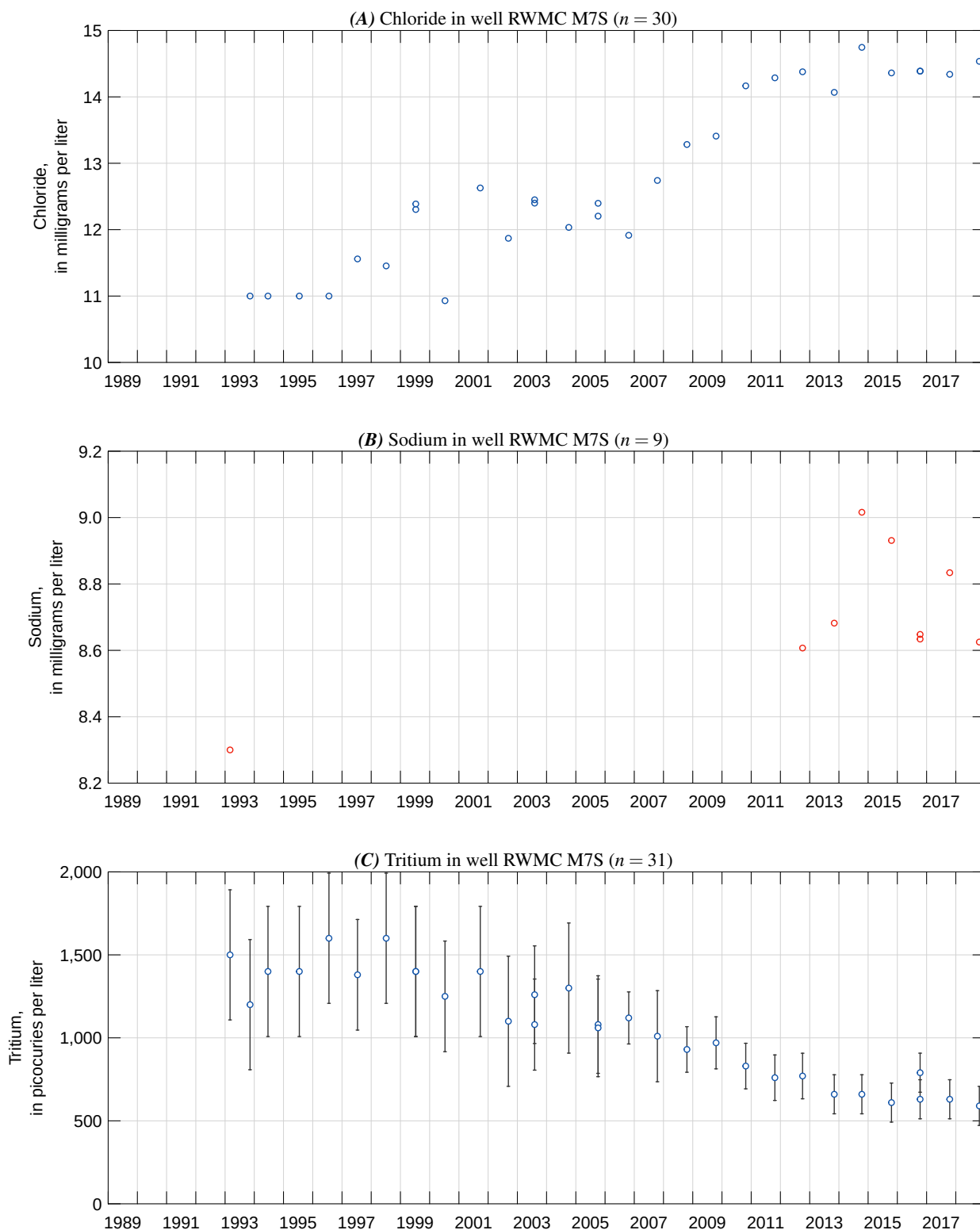


Figure 4.32. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) chromium, (H) carbon tetrachloride, (I) chloroform, (J) toluene, (K) tetrachloroethylene, (L) 1,1-dichloroethylene, (M) 1,1,1-trichloroethane, (N) cfc-12, (O) trichloroethylene, (P) strontium-90, and (Q) plutonium-238 concentrations in water collected from well RWMC M7S (Site No. 433023113014801), Idaho National Laboratory, Idaho, 1989–2018.

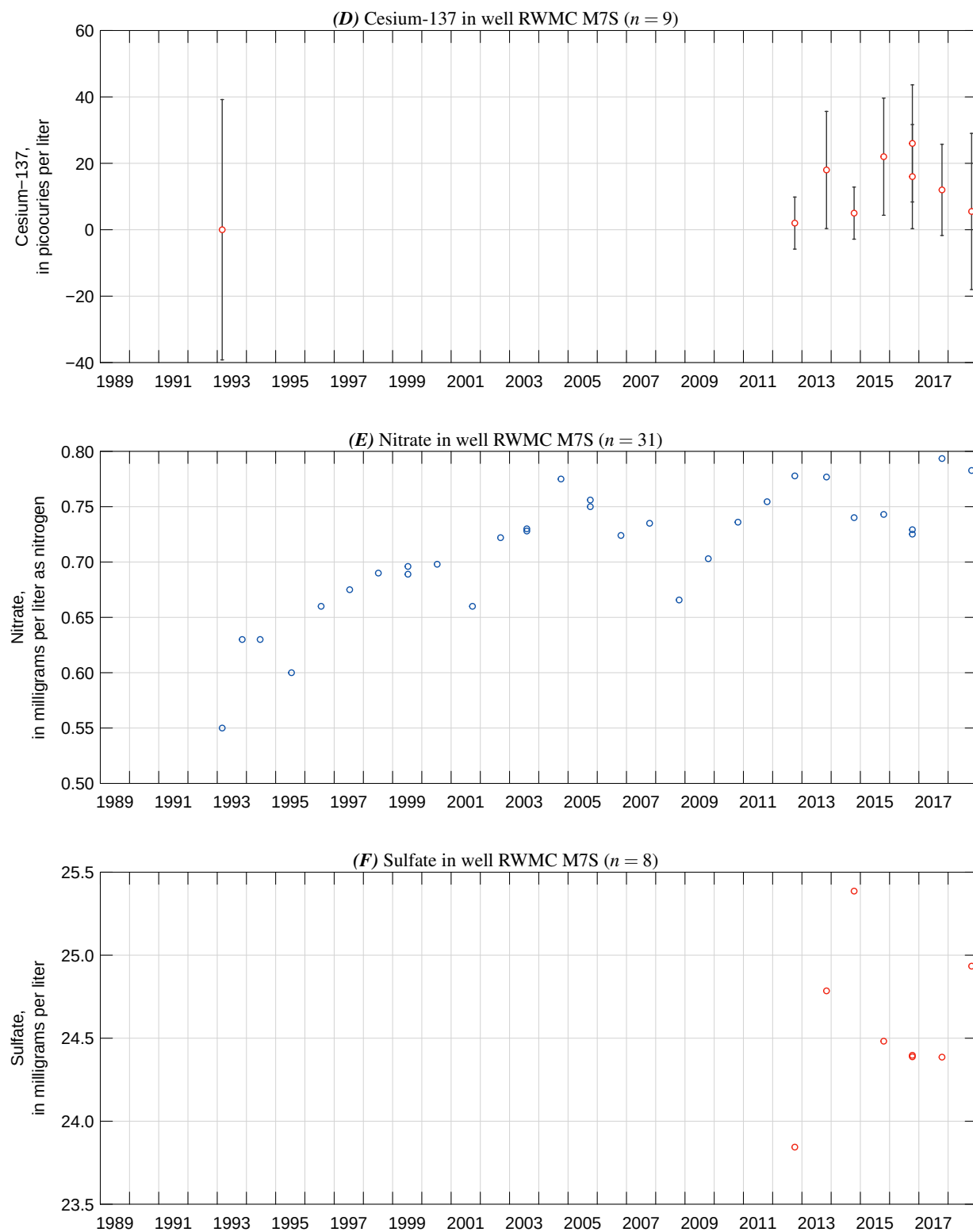


Figure 4.32. —Continued

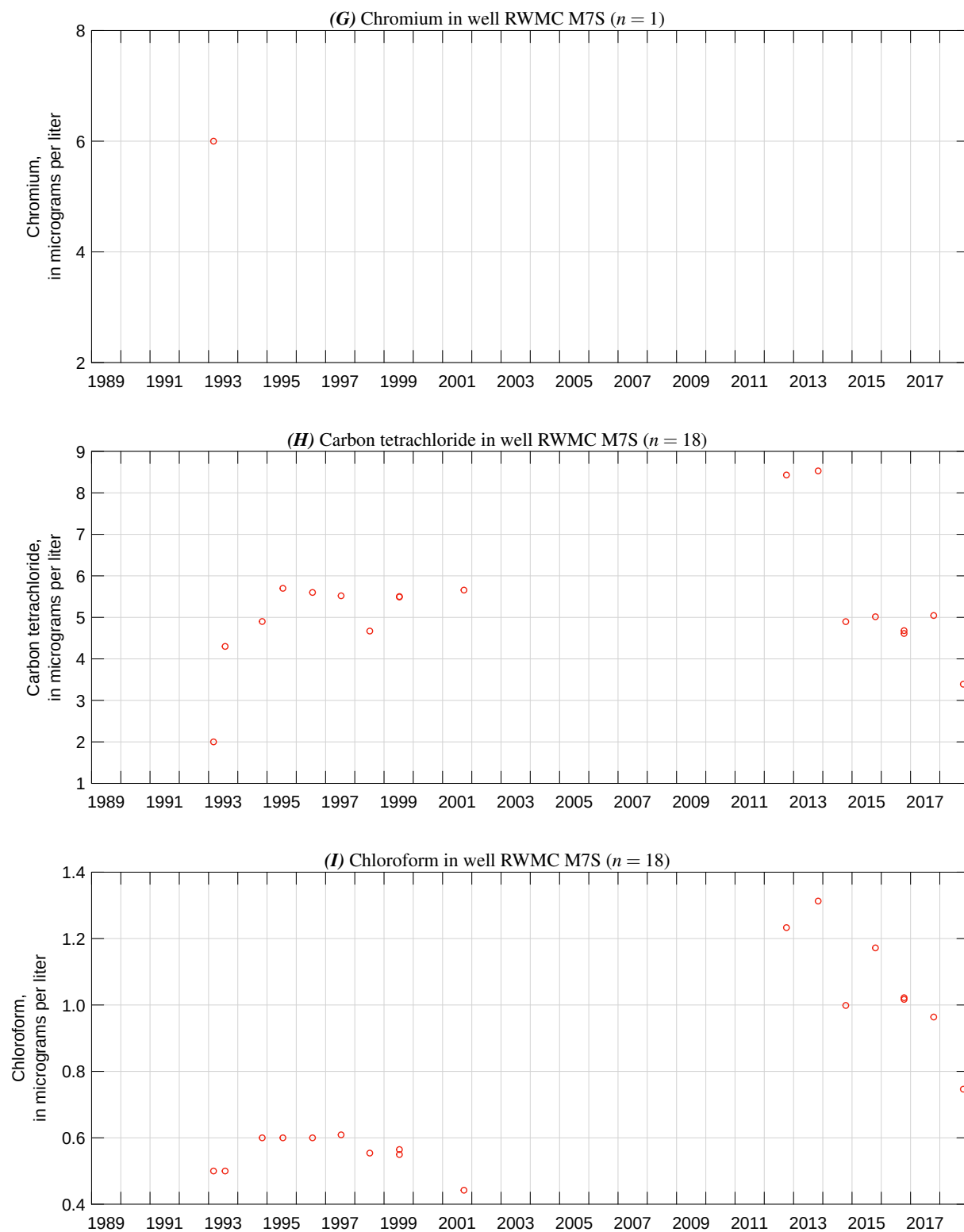


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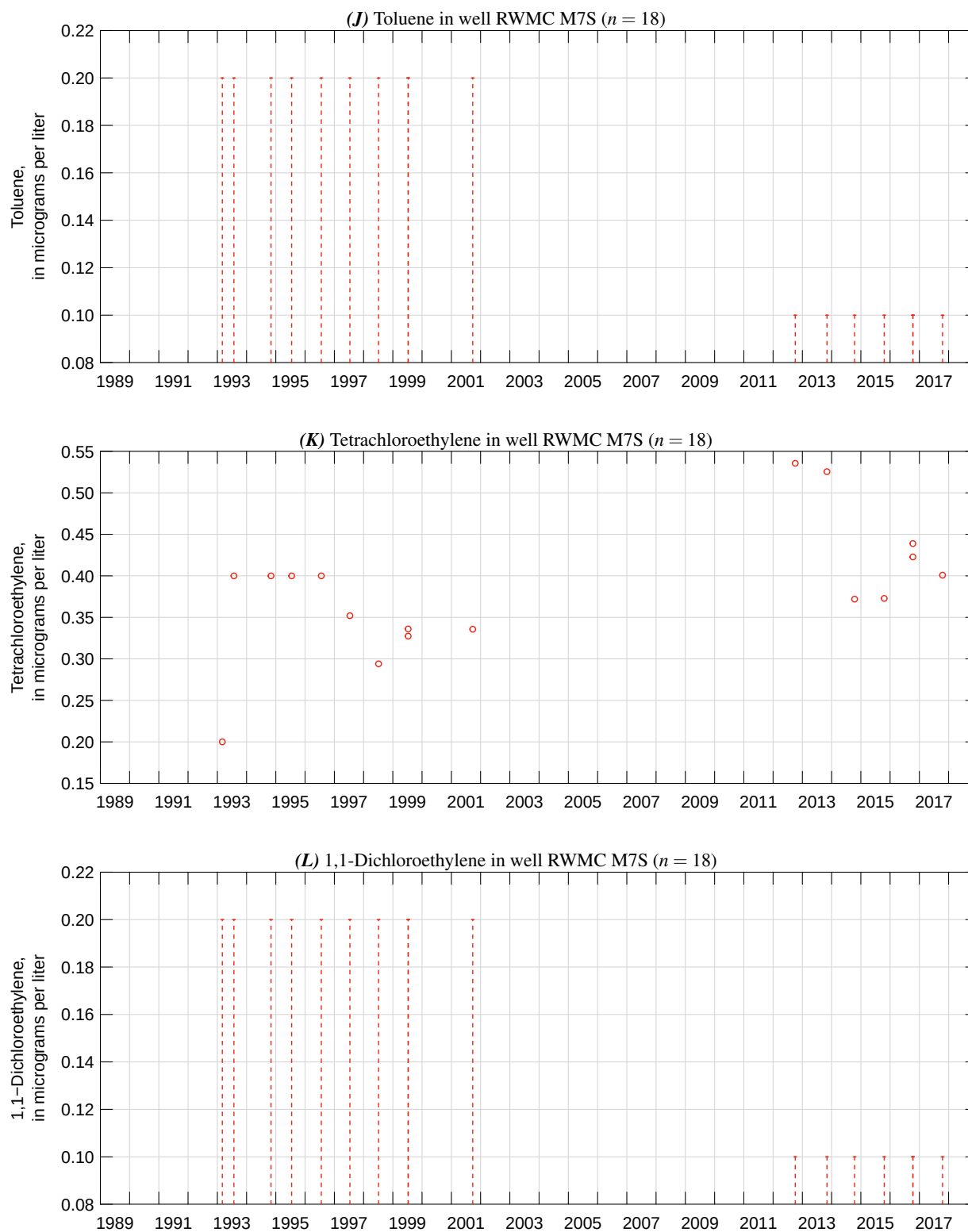


Figure 4.32. —Continued

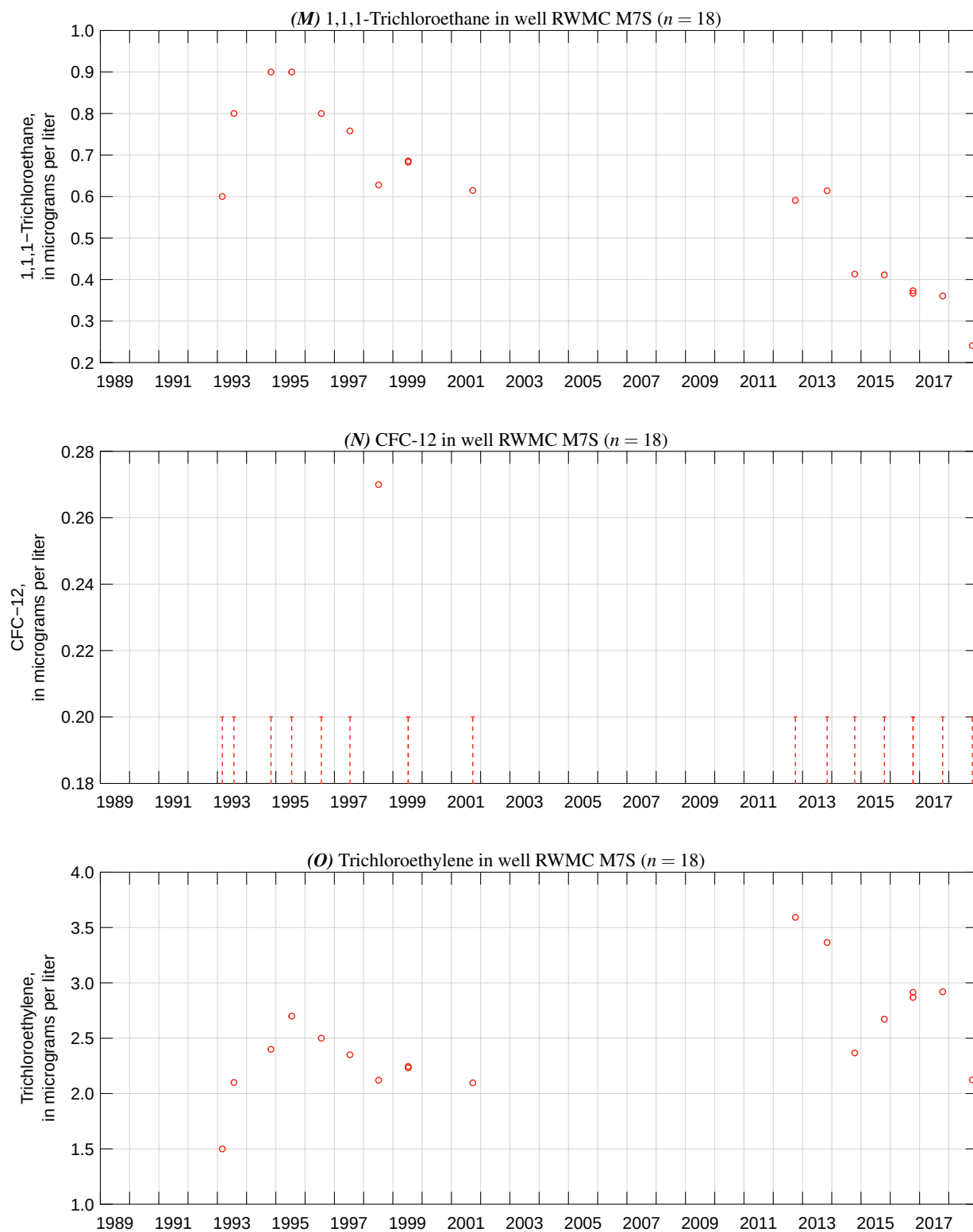


Figure 4.32. —Continued

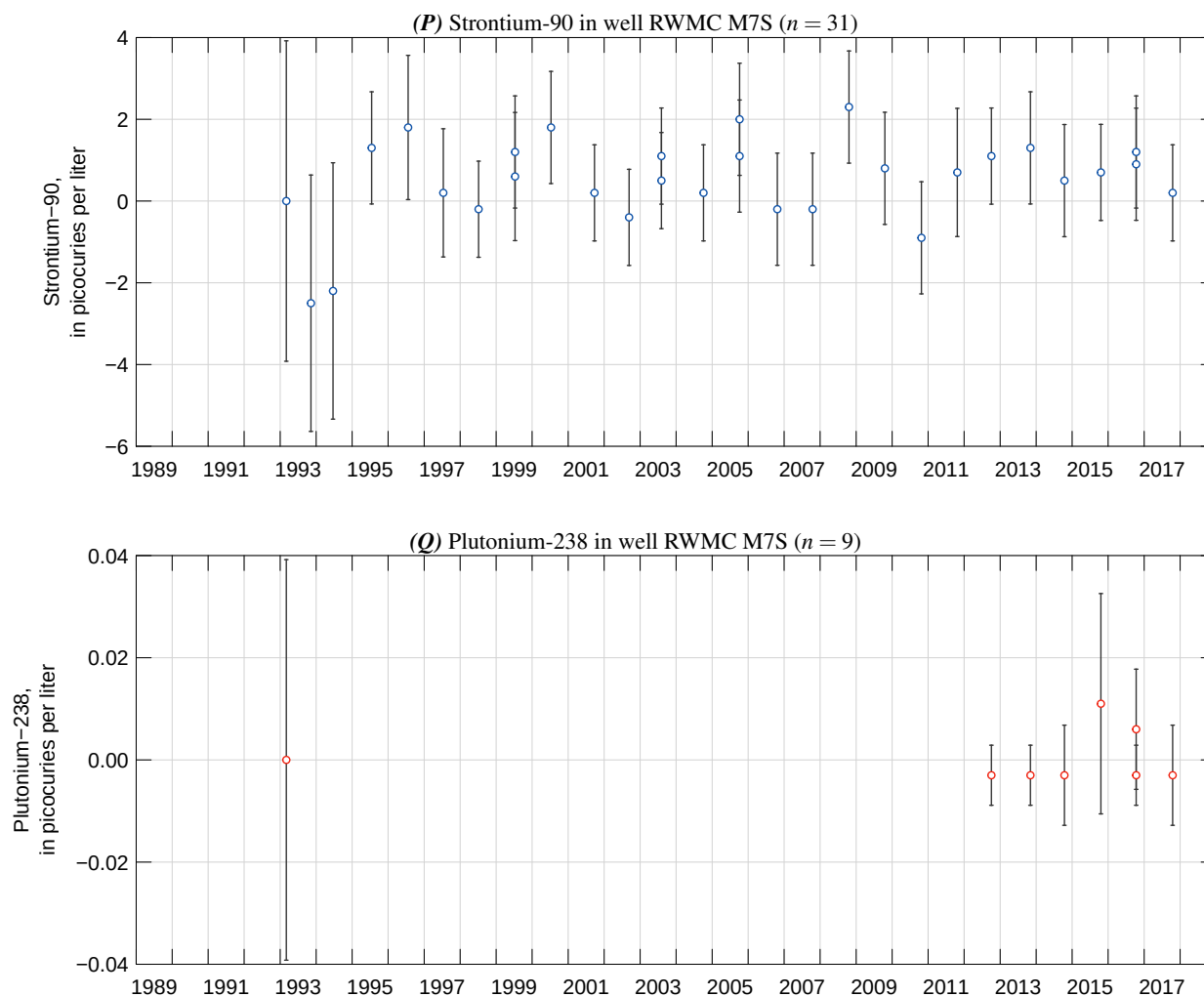


Figure 4.32. —Continued

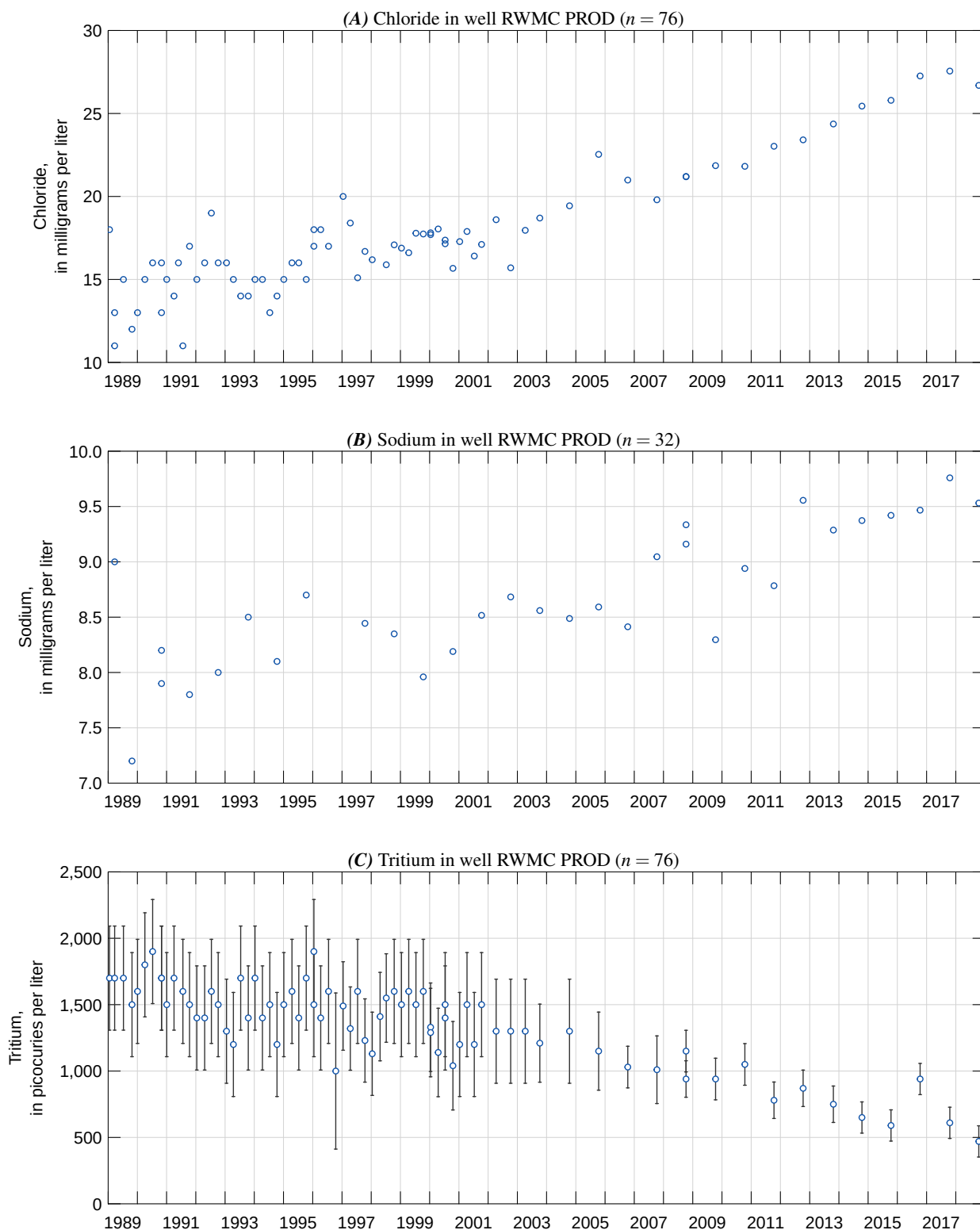


Figure 4.33. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, and (R) plutonium-238 concentrations in water collected from well RWMC PROD (Site No. 433002113021701), Idaho National Laboratory, Idaho, 1989–2018.

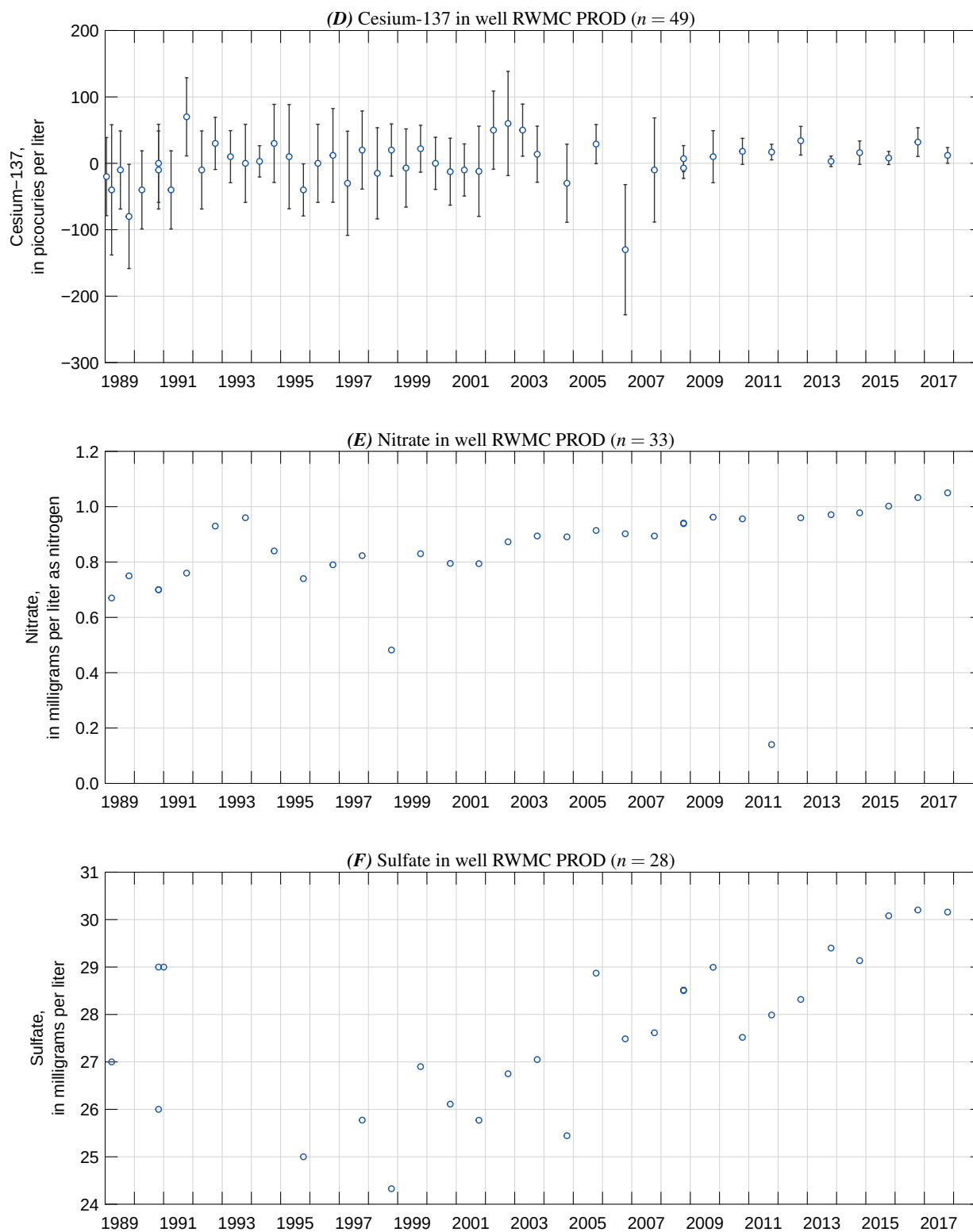


Figure 4.33. —Continued

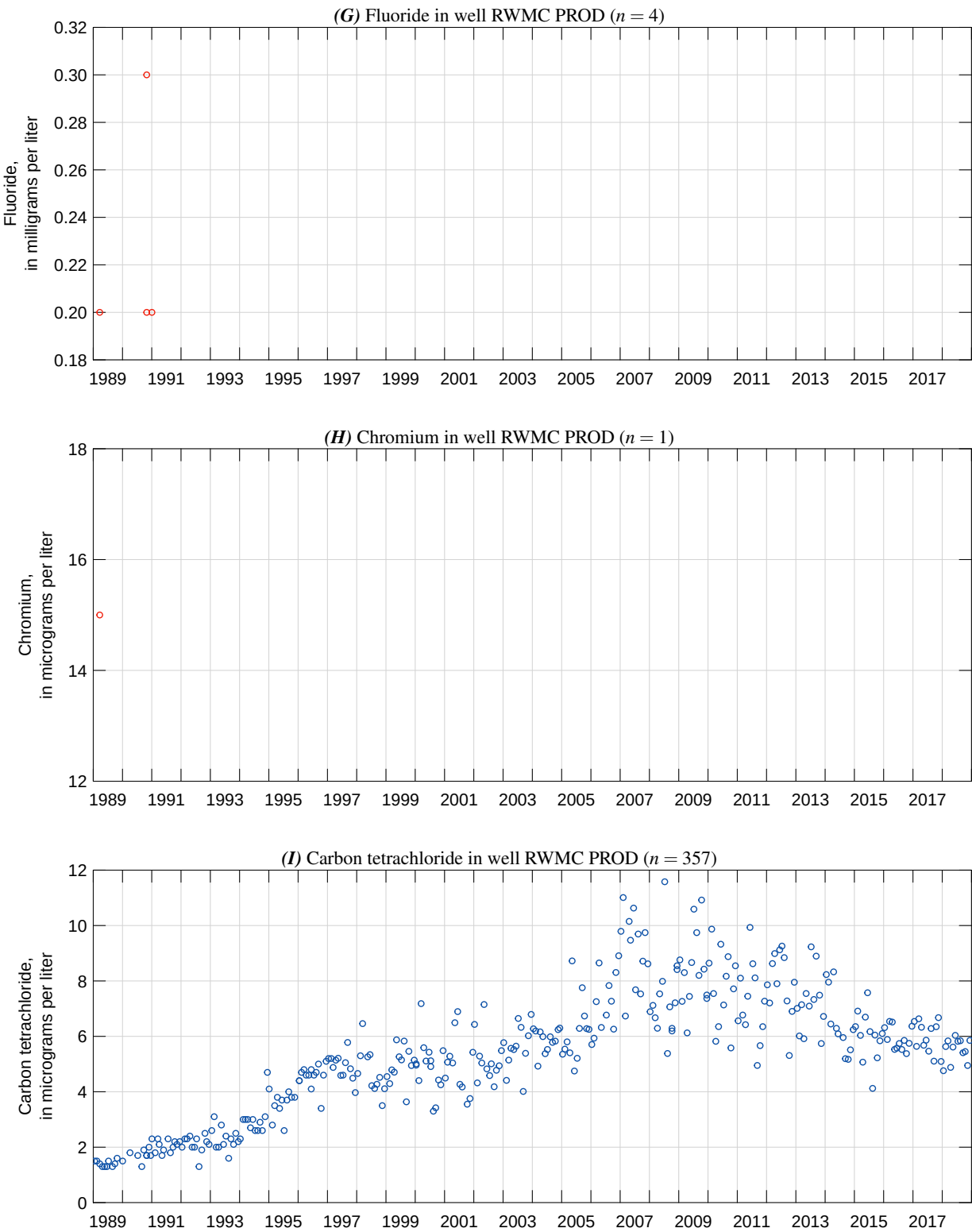


Figure 4.33. —Continued

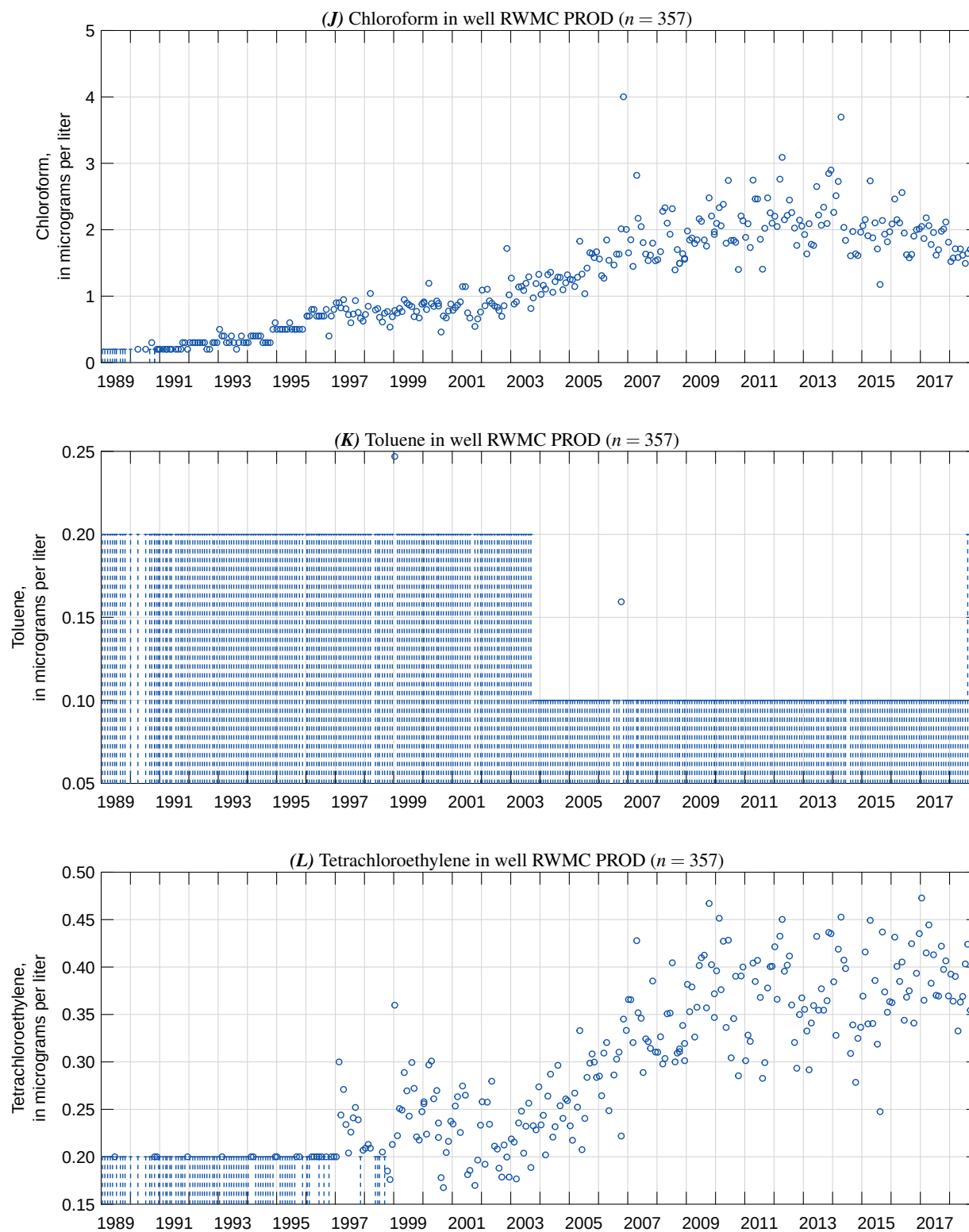


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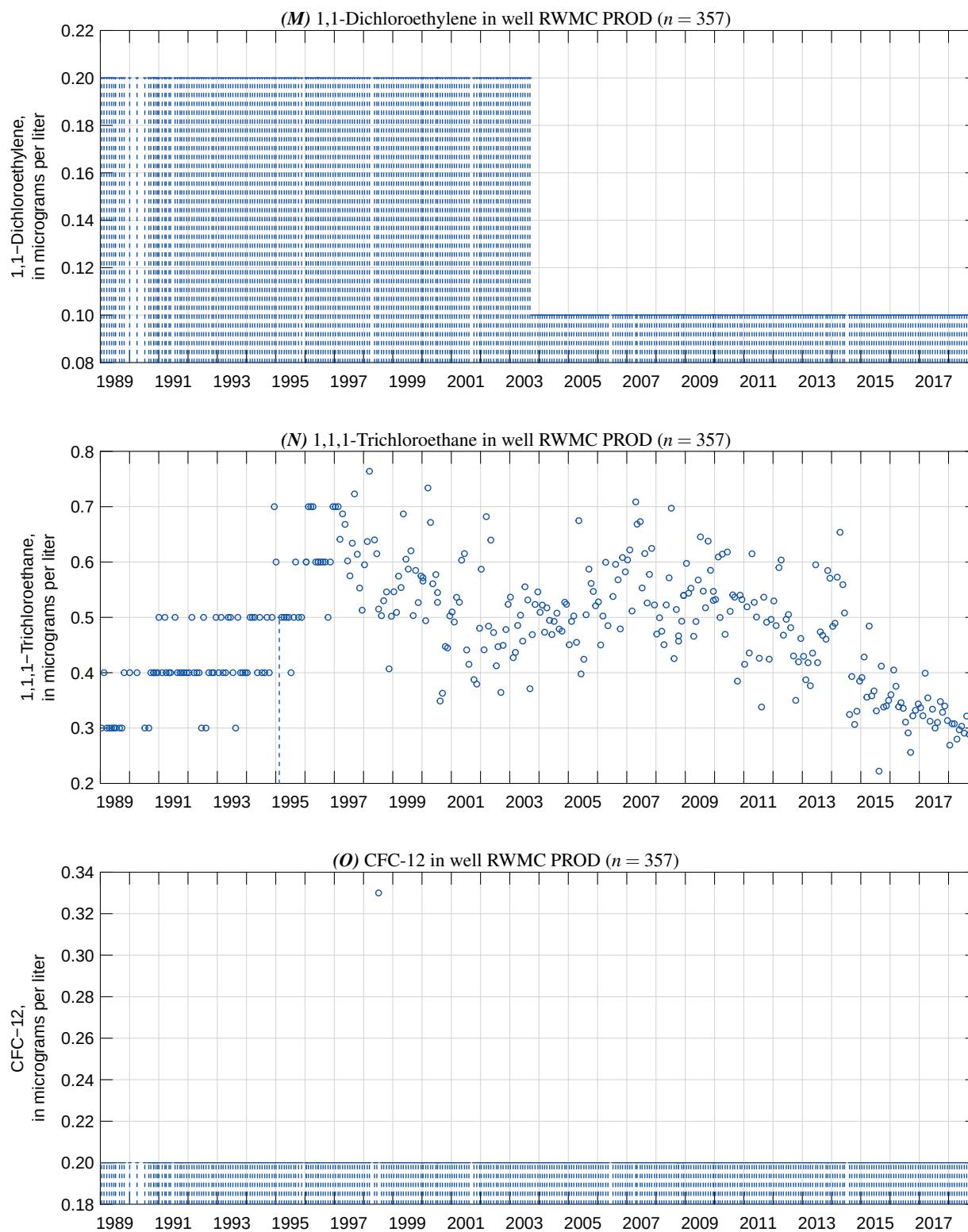


Figure 4.33. —Continued

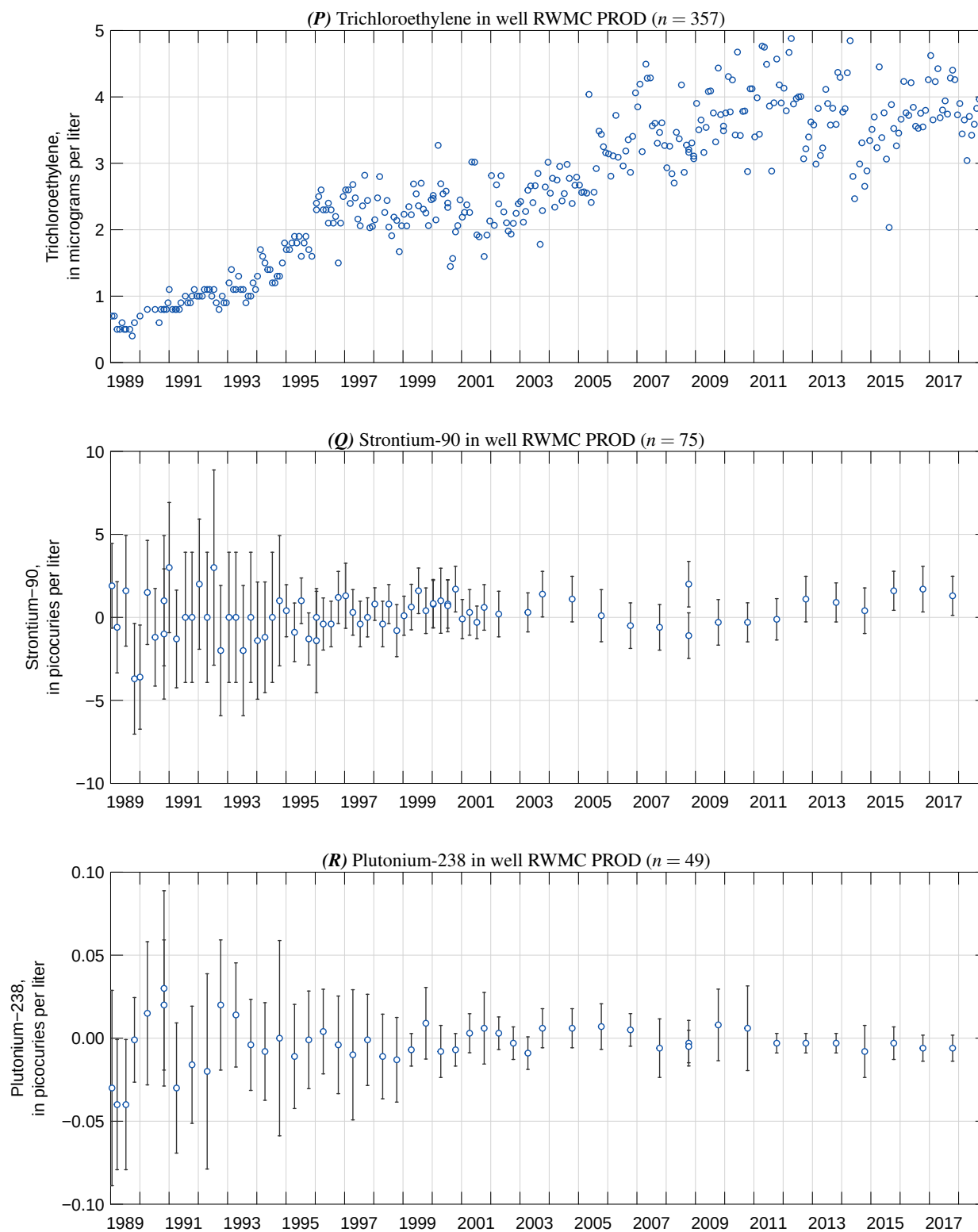


Figure 4.33. —Continued

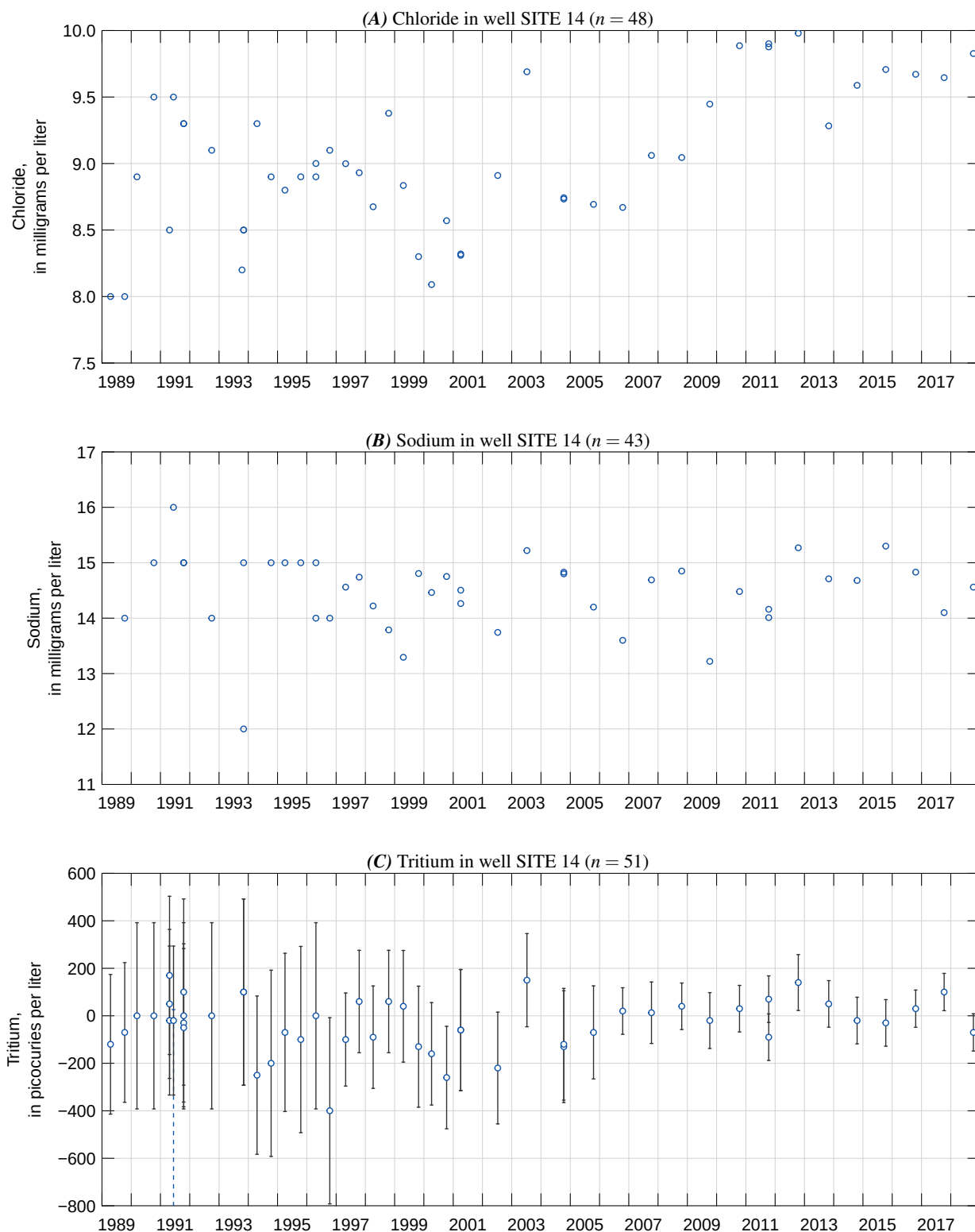


Figure 4.34. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, (R) plutonium-238, (S) alpha particle, and (T) beta particle concentrations in water collected from well SITE 14 (Site No. 434334112463101), Idaho National Laboratory, Idaho, 1989–2018.

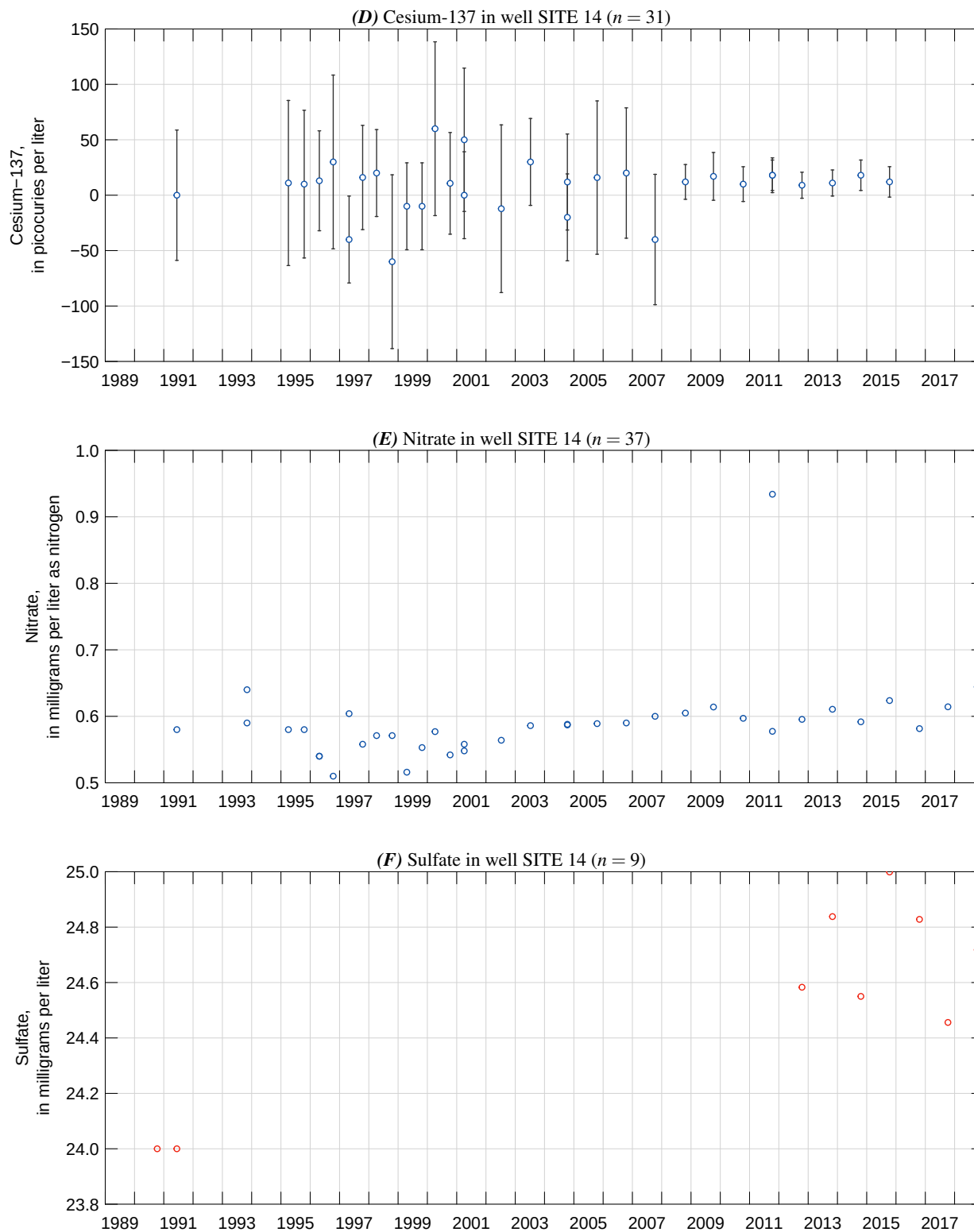


Figure 4.34. —Continued

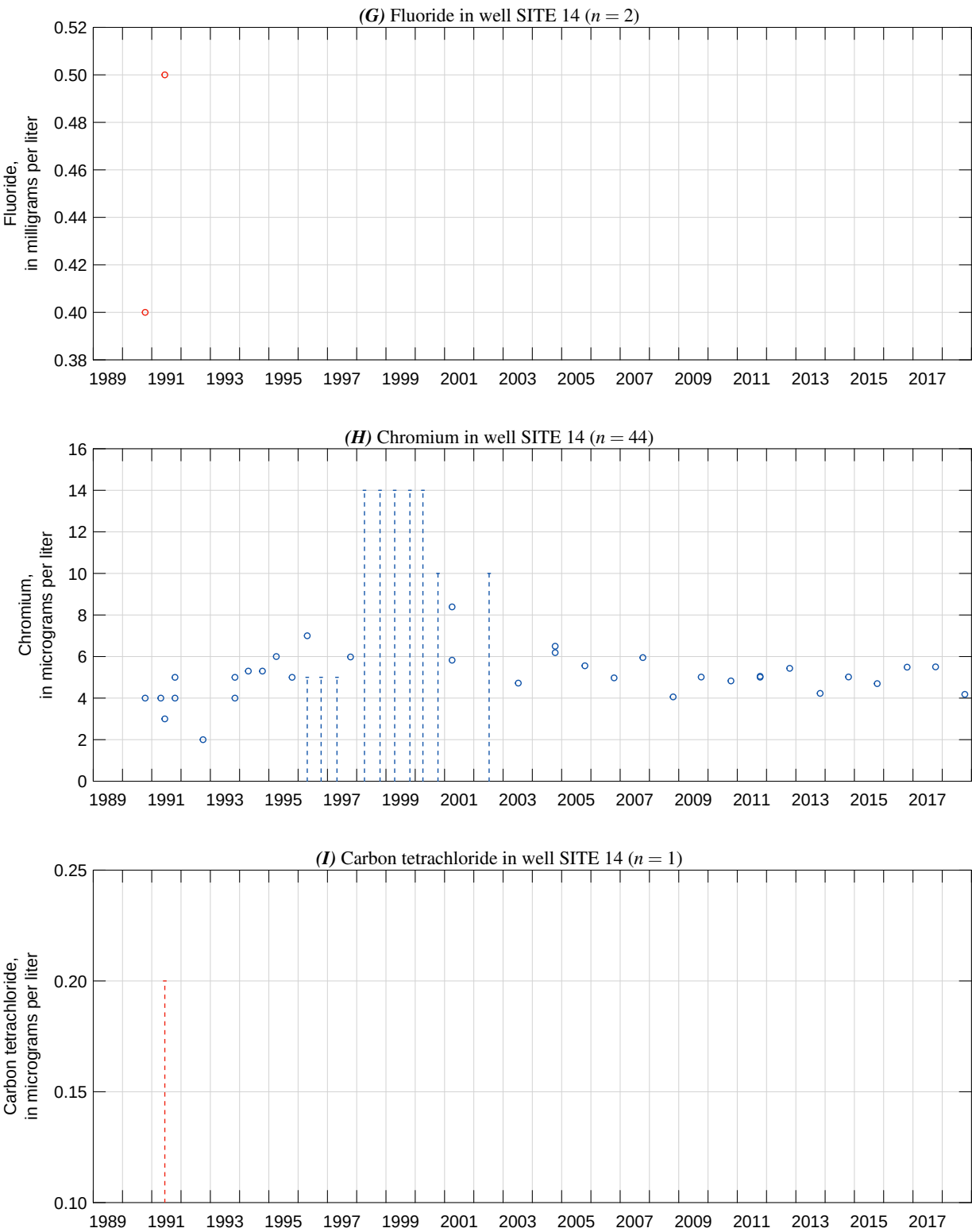


Figure 4.34. —Continued

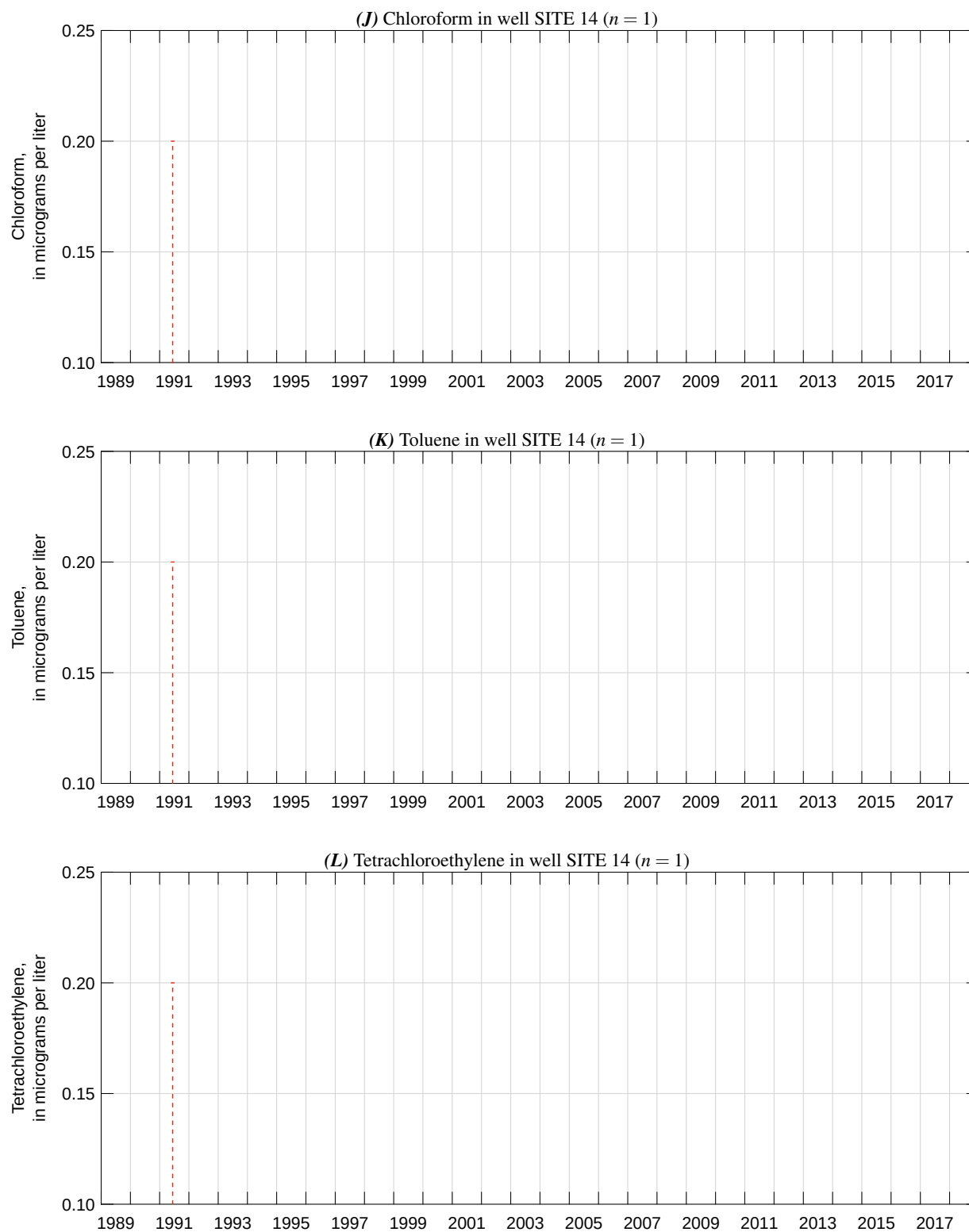


Figure 4.34. —Continued

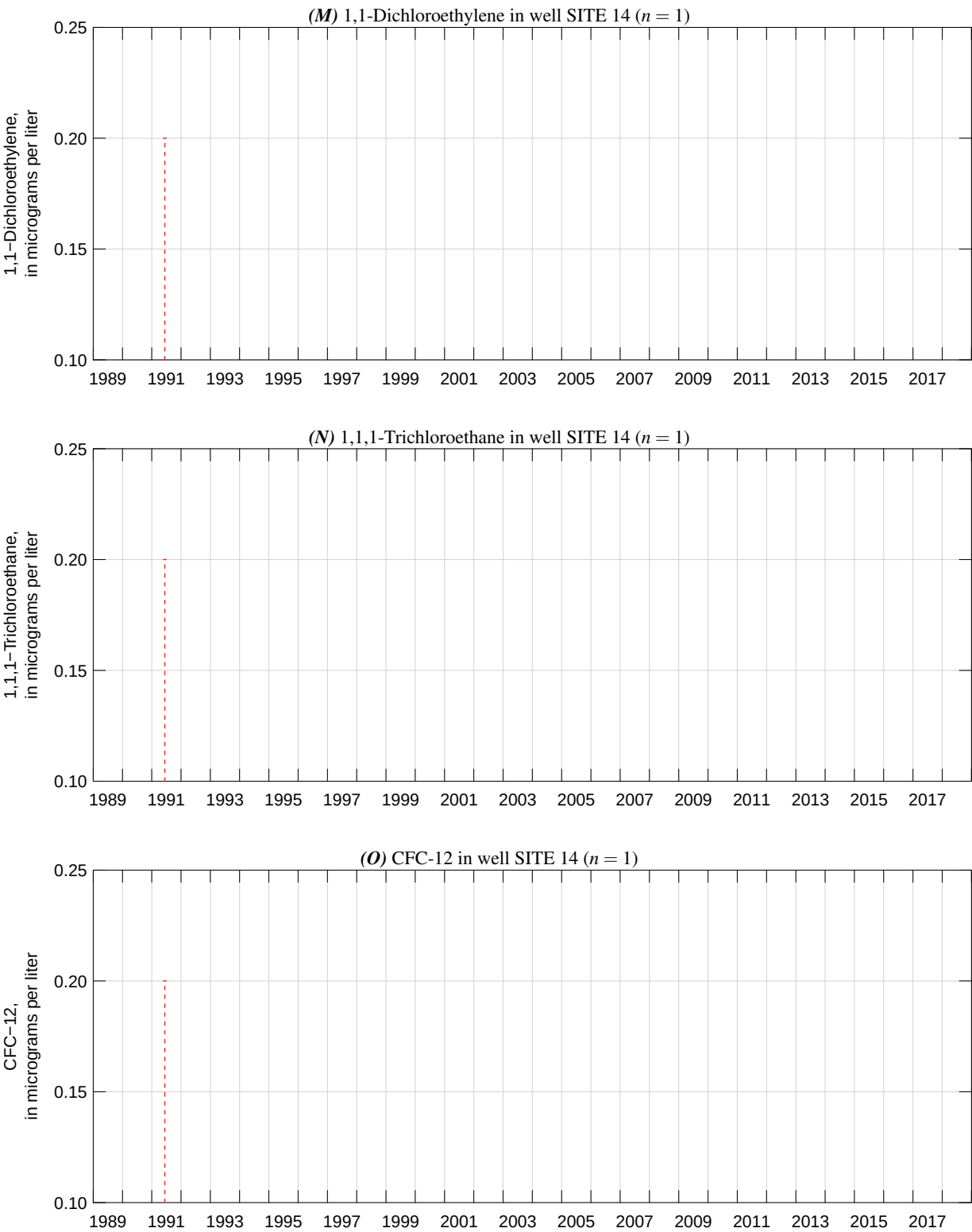


Figure 4.34. —Continued

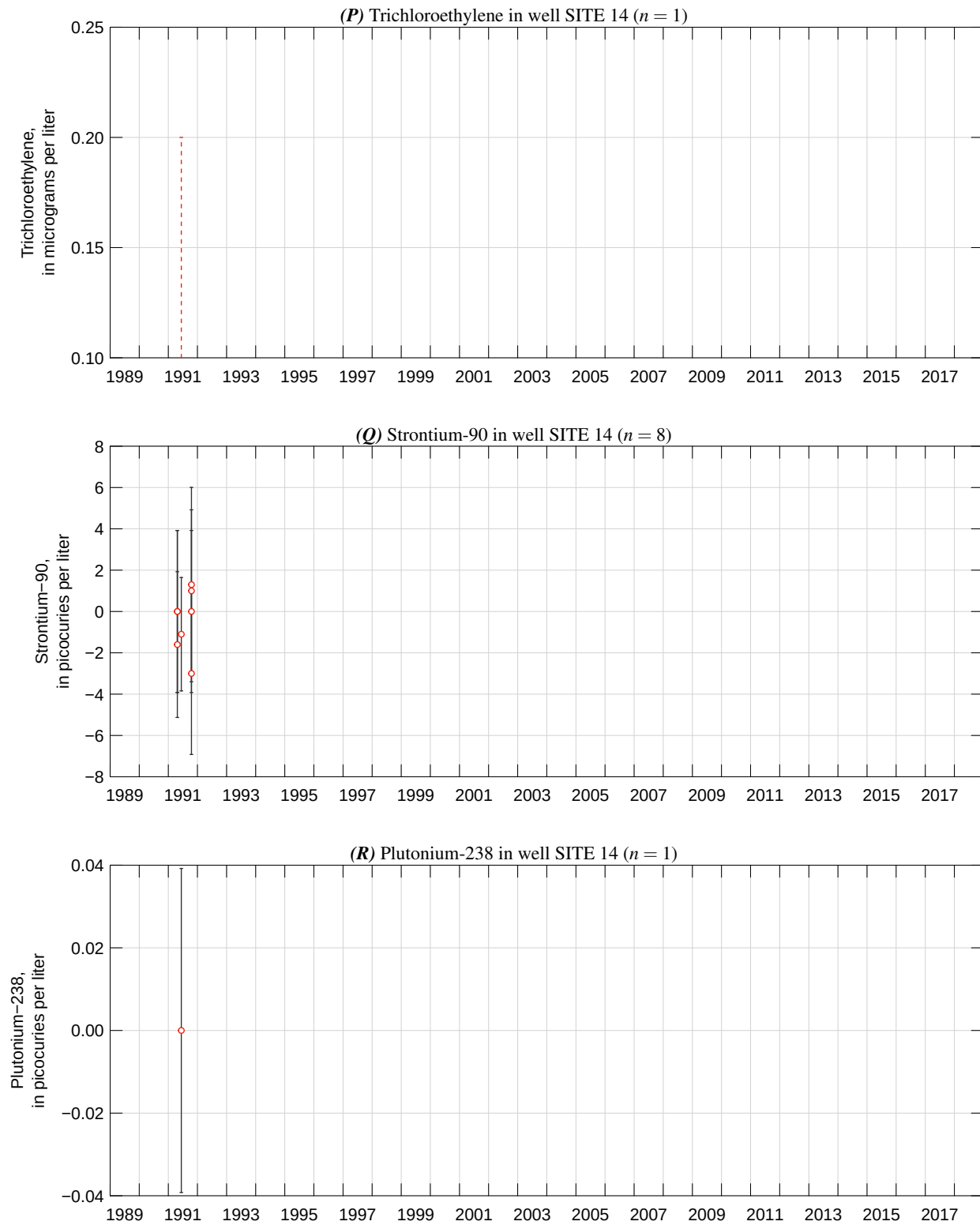


Figure 4.34. —Continued

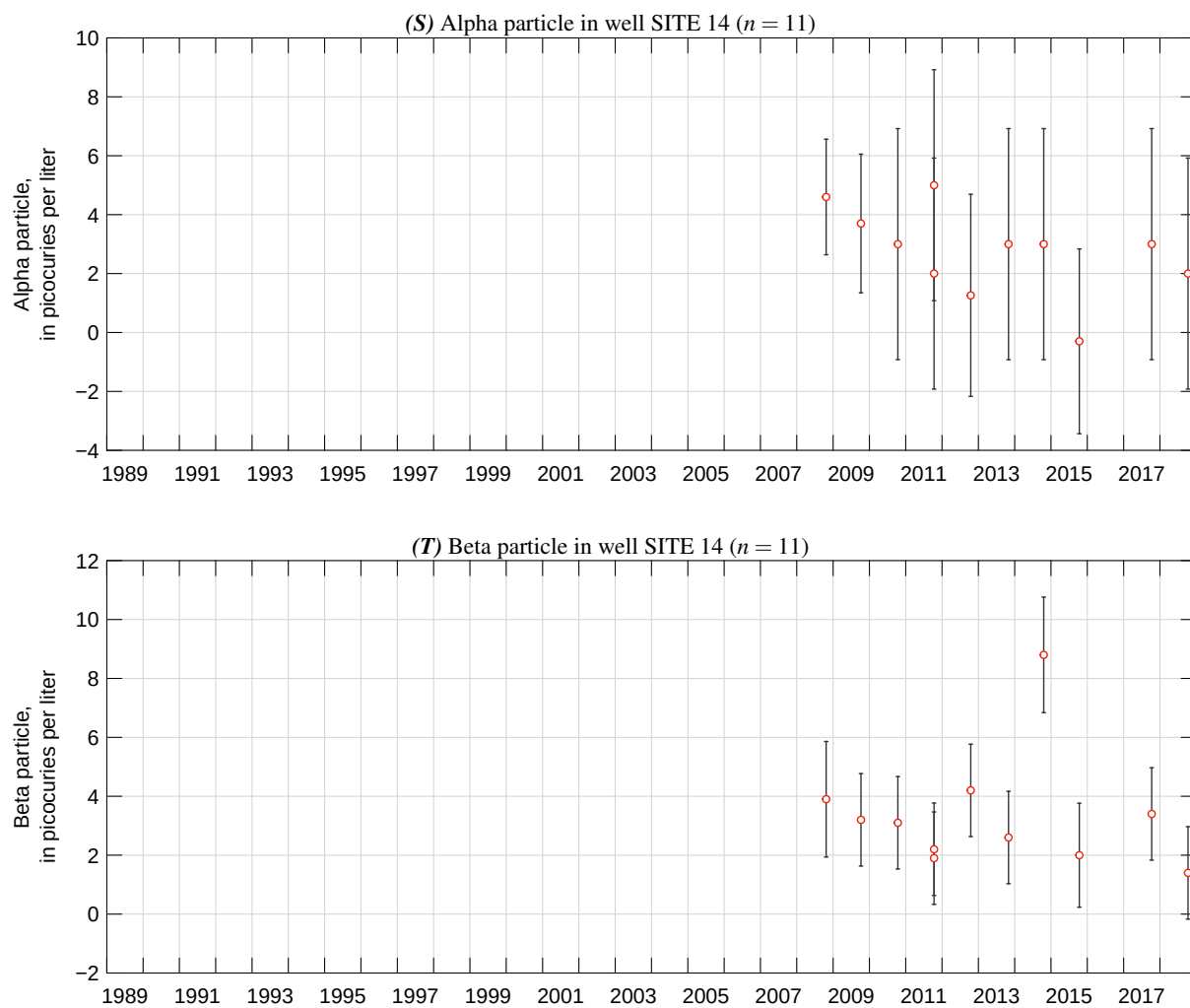


Figure 4.34. —Continued

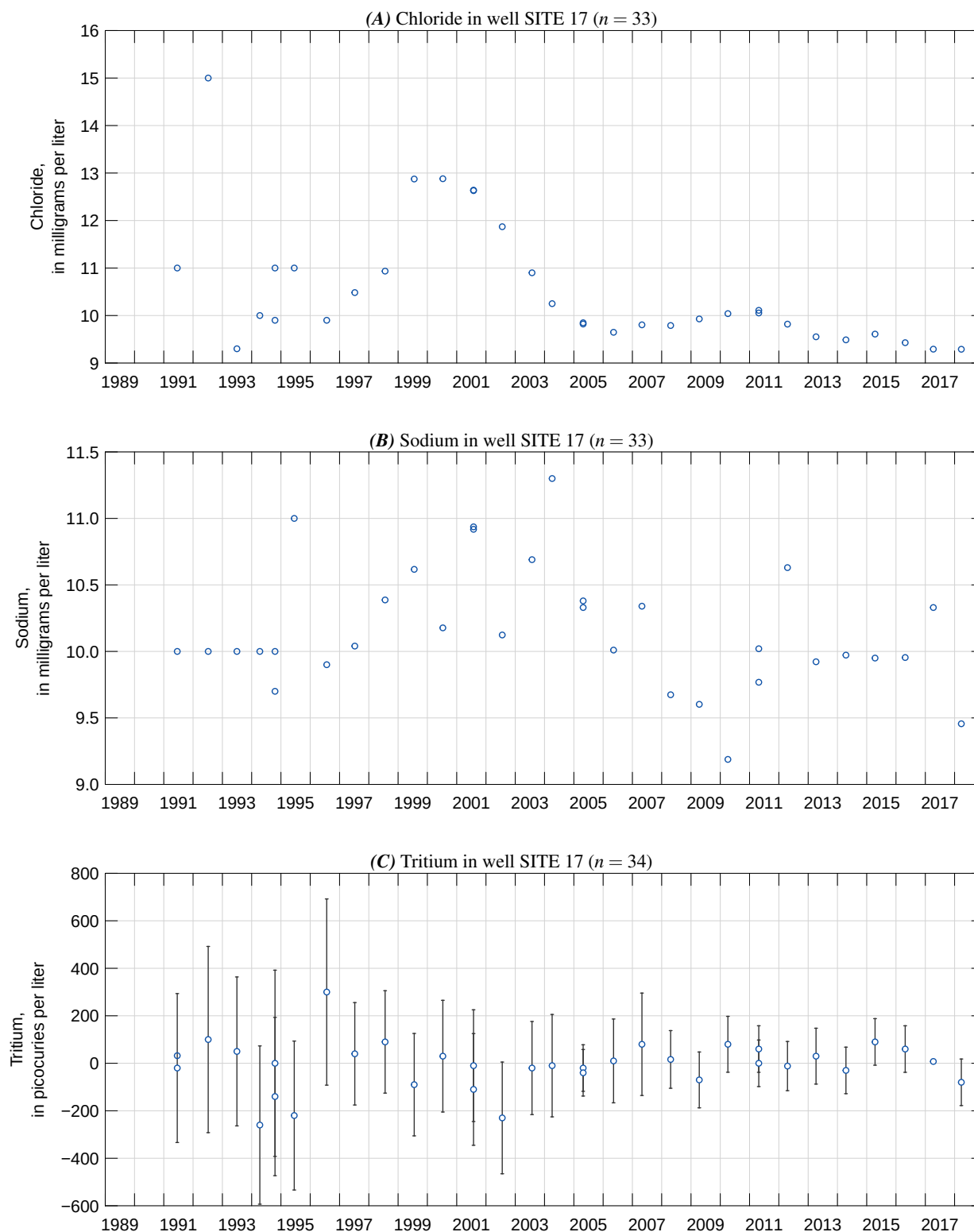


Figure 4.35. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, and (R) plutonium-238 concentrations in water collected from well SITE 17 (Site No. 434027112575701), Idaho National Laboratory, Idaho, 1989–2018.

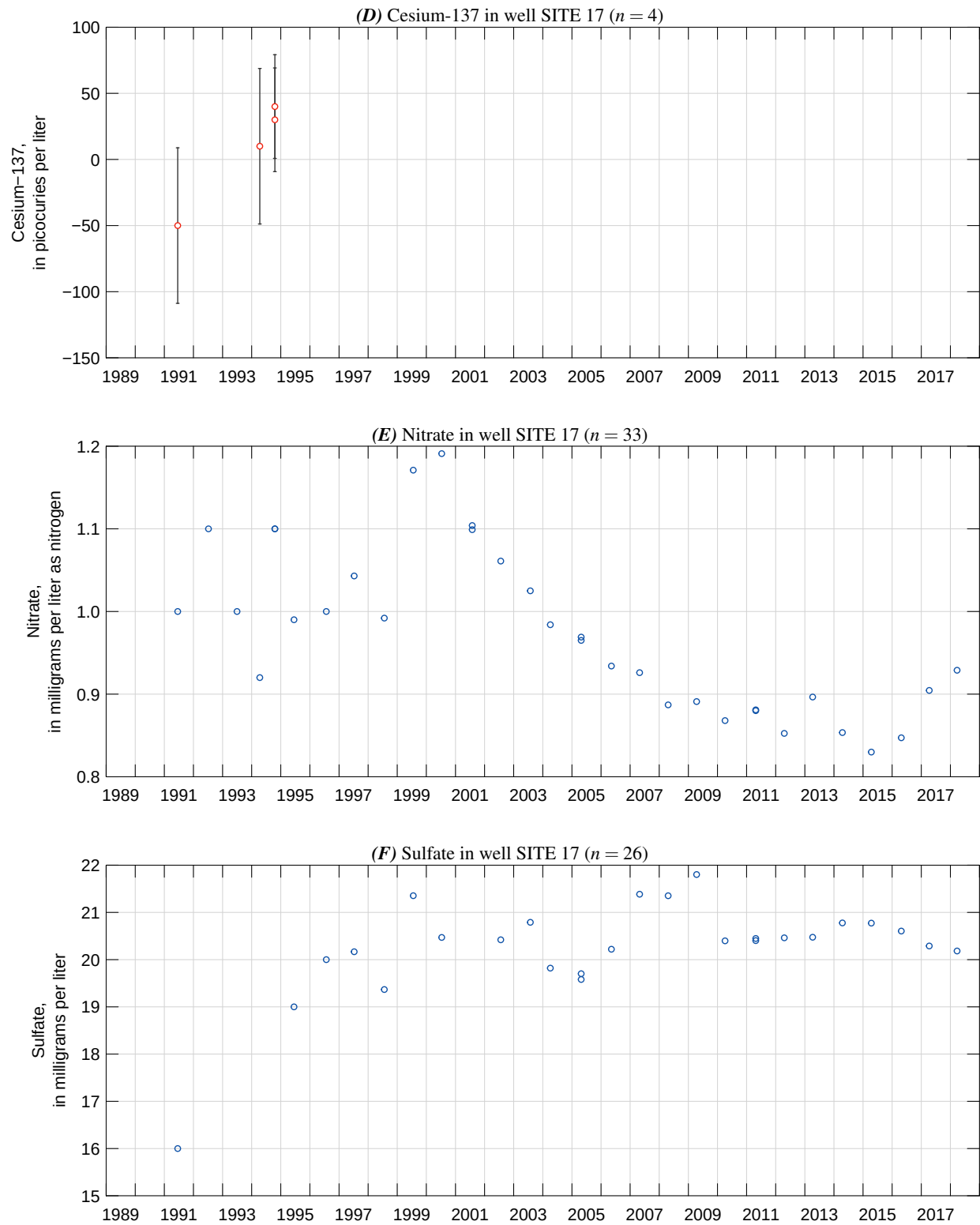


Figure 4.35. —Continued

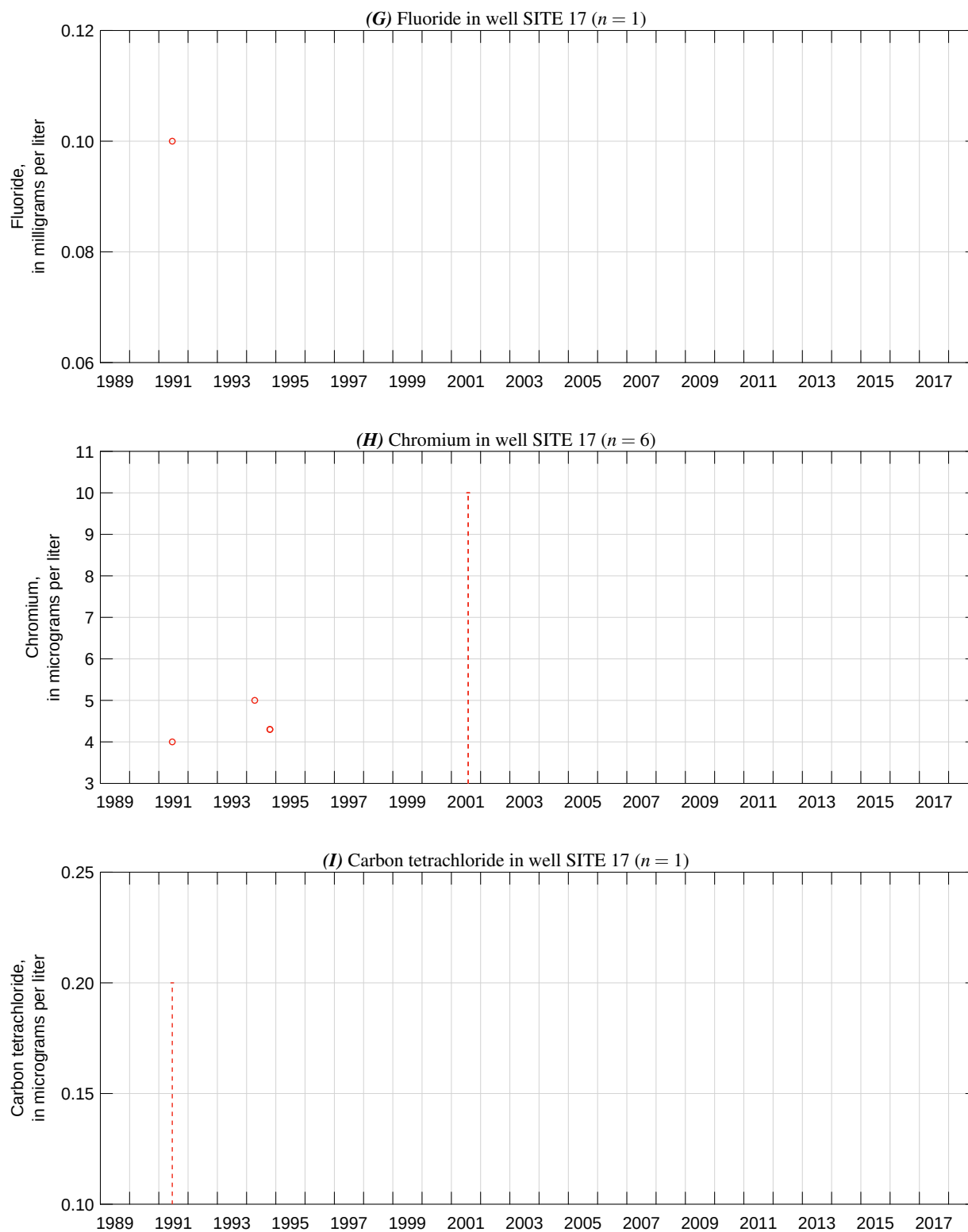


Figure 4.35. —Continued

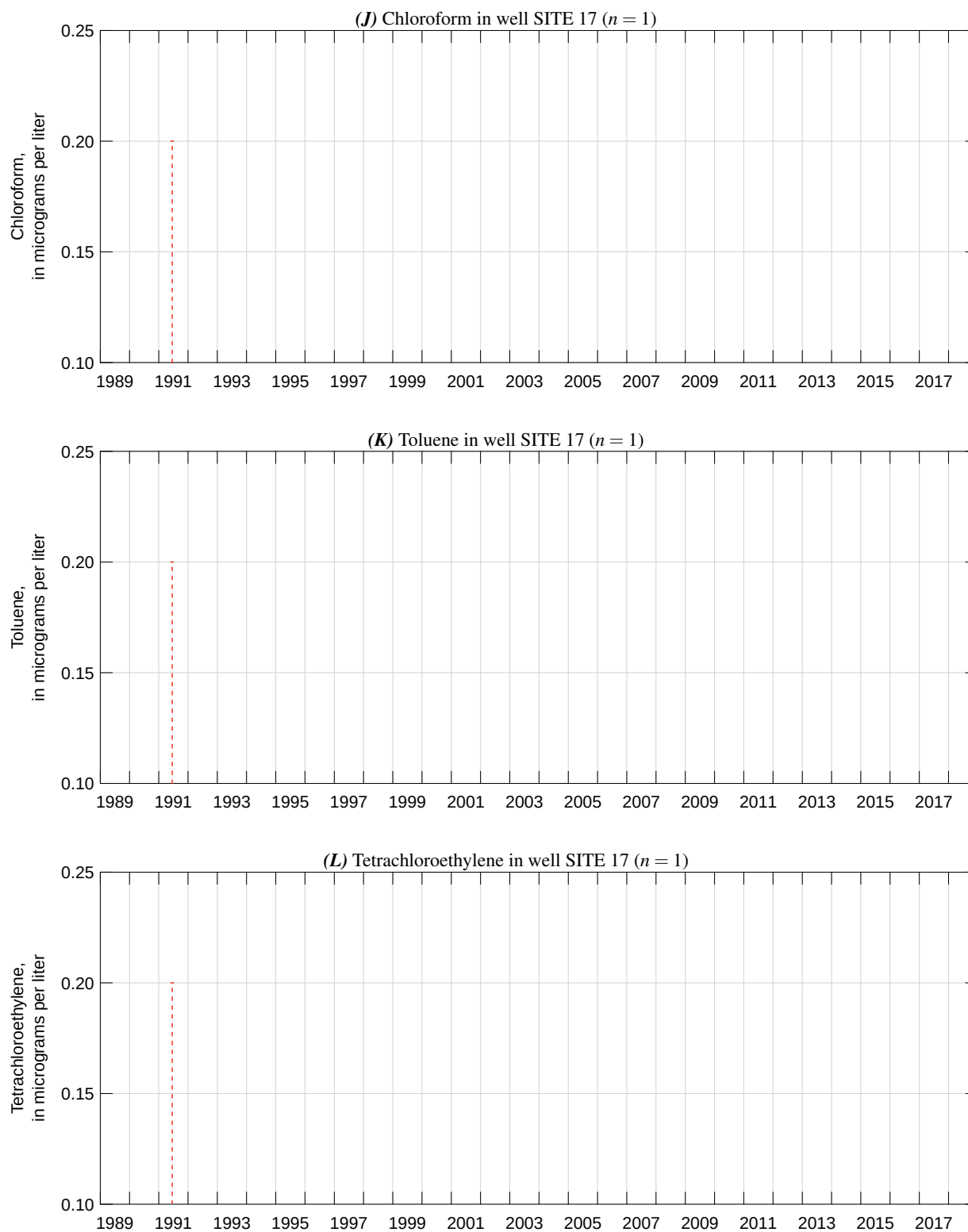


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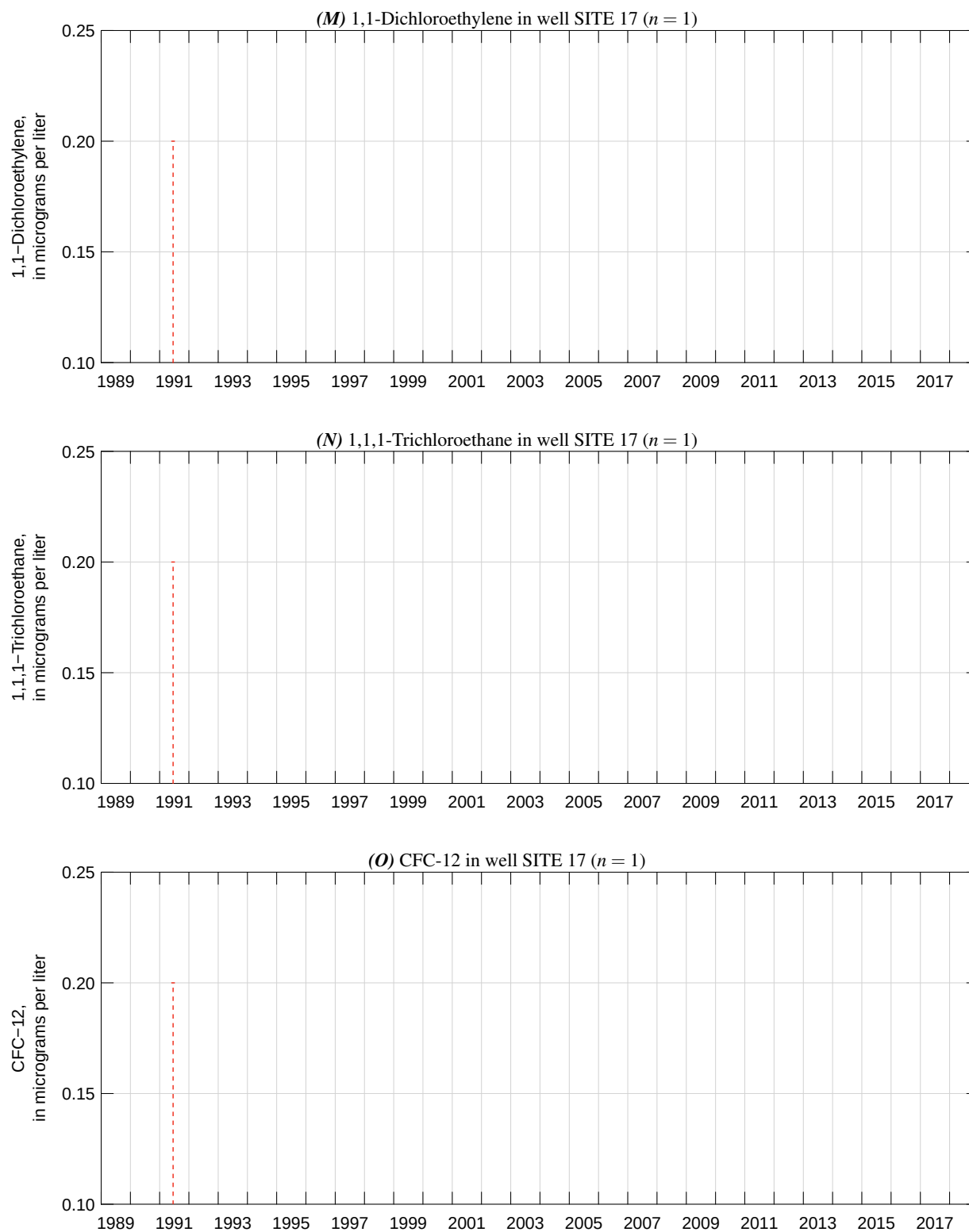


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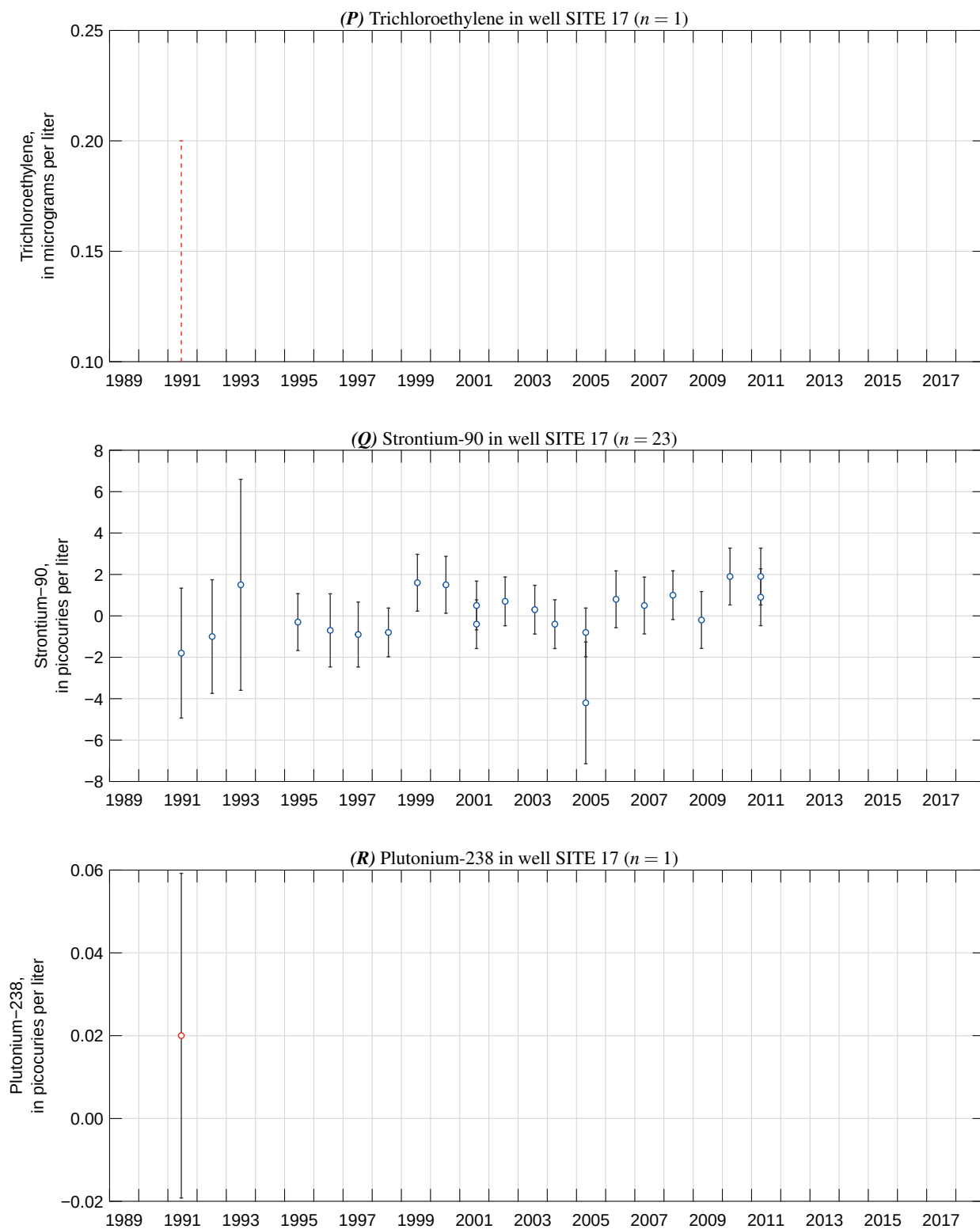


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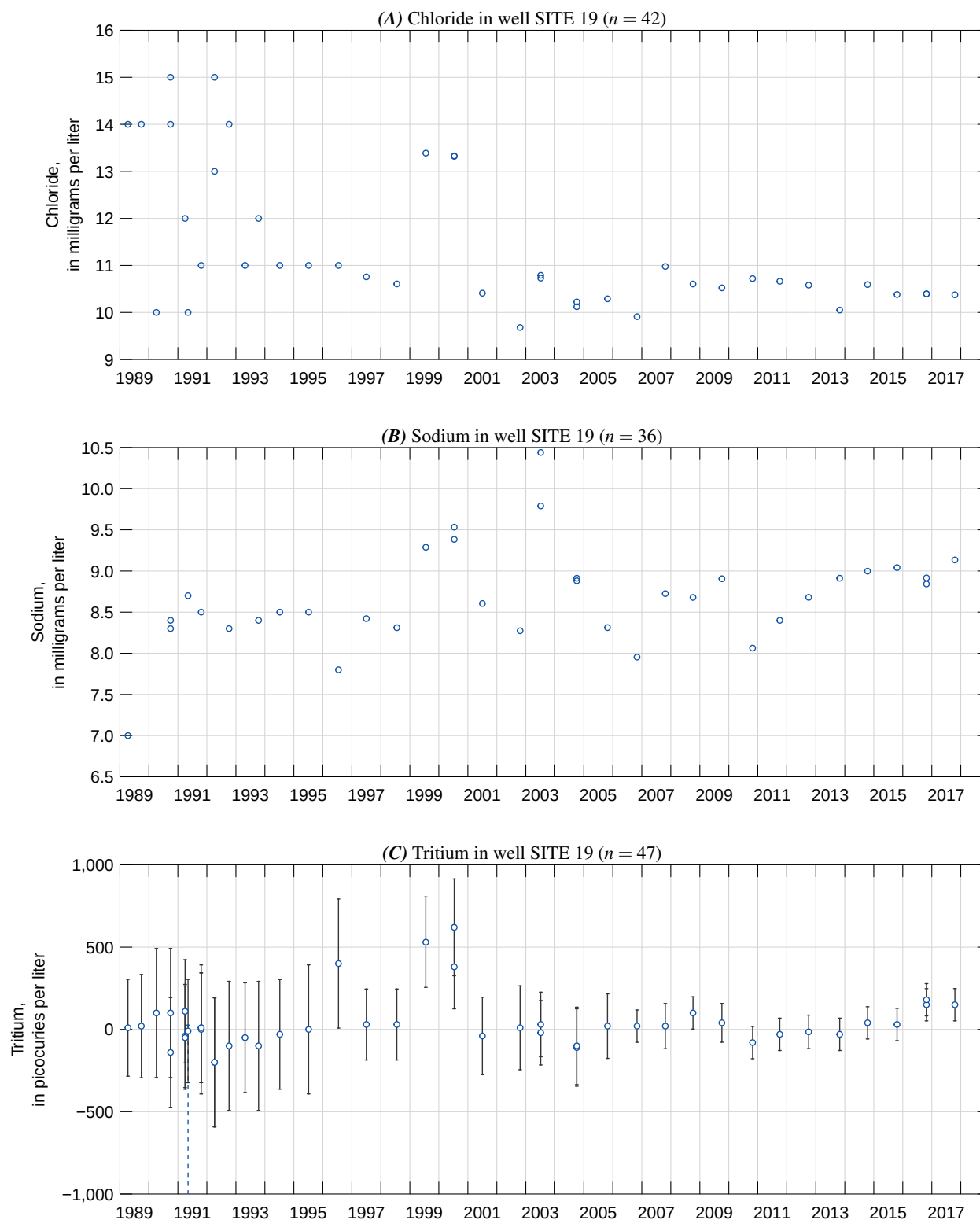


Figure 4.36. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, and (R) plutonium-238 concentrations in water collected from well SITE 19 (Site No. 433522112582101), Idaho National Laboratory, Idaho, 1989–2018.

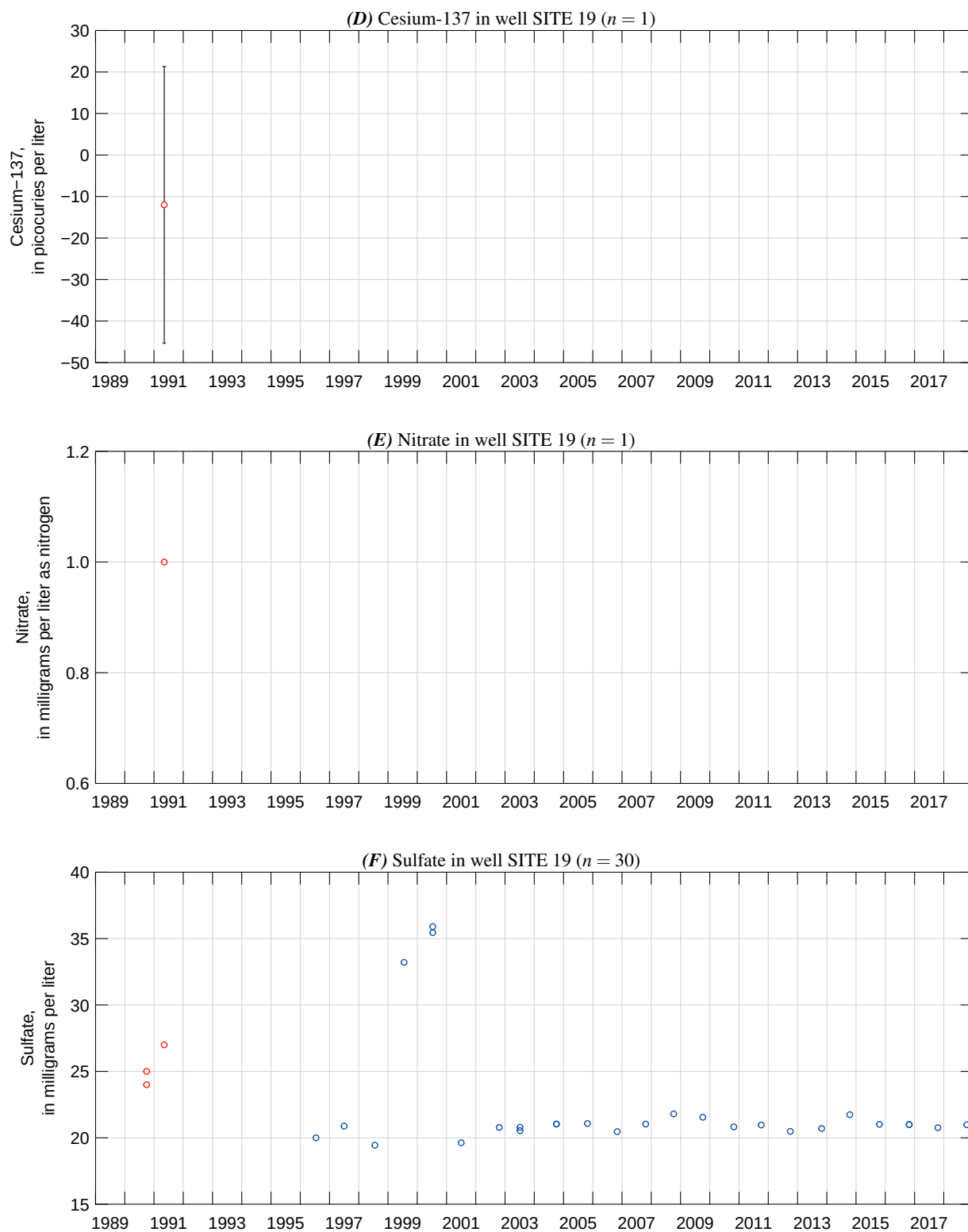


Figure 4.36. —Continued

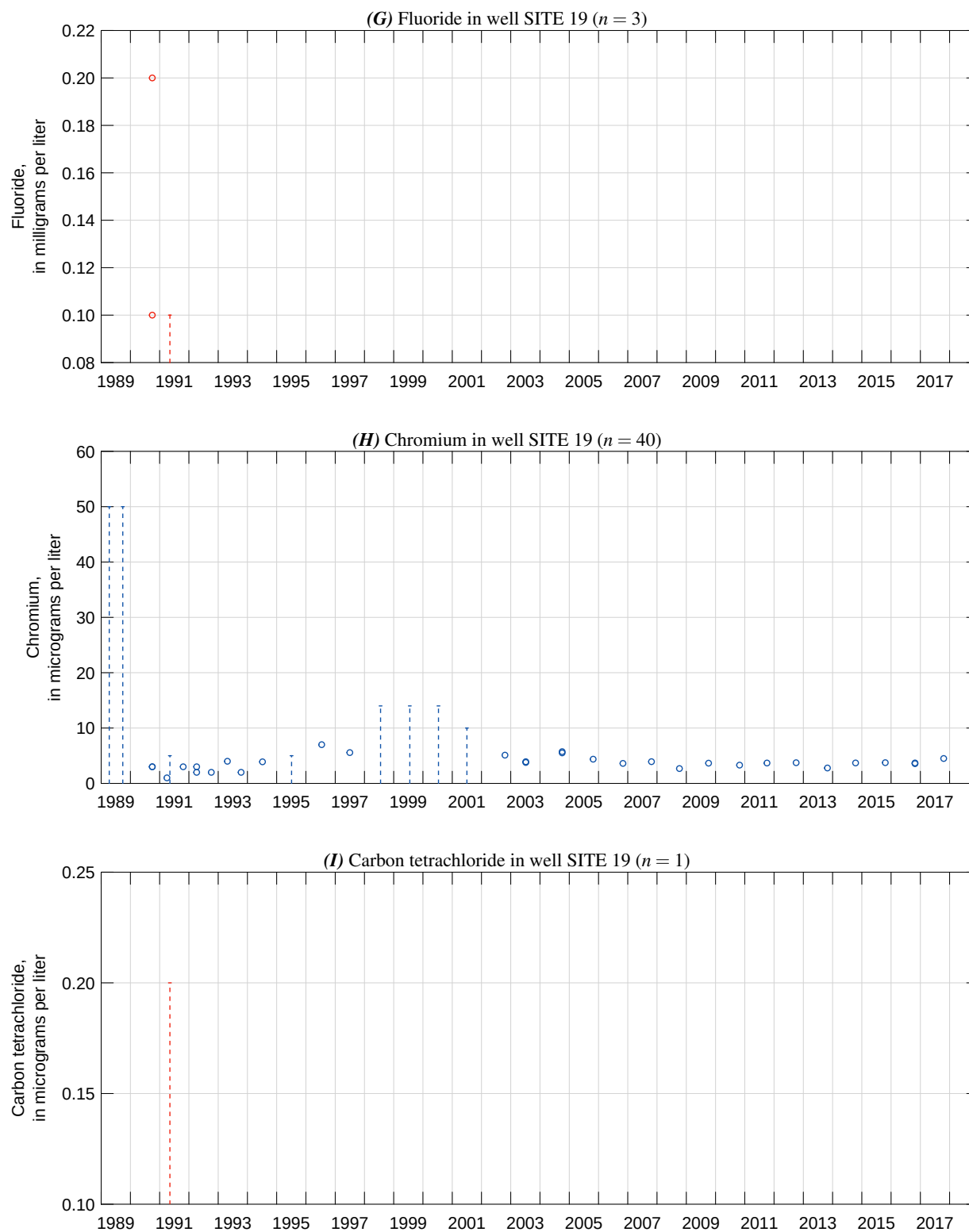


Figure 4.36. —Continued

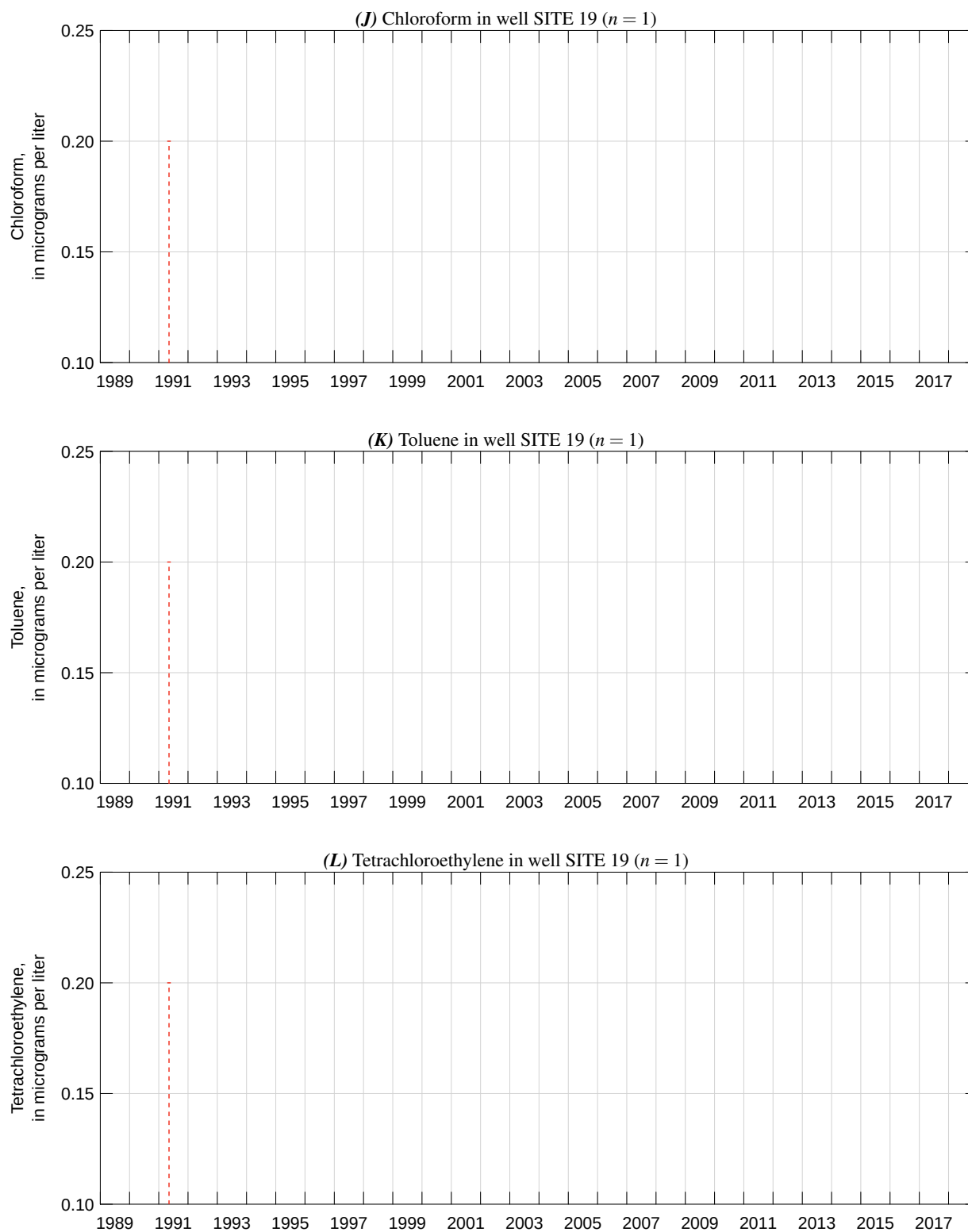


Figure 4.36. —Continued

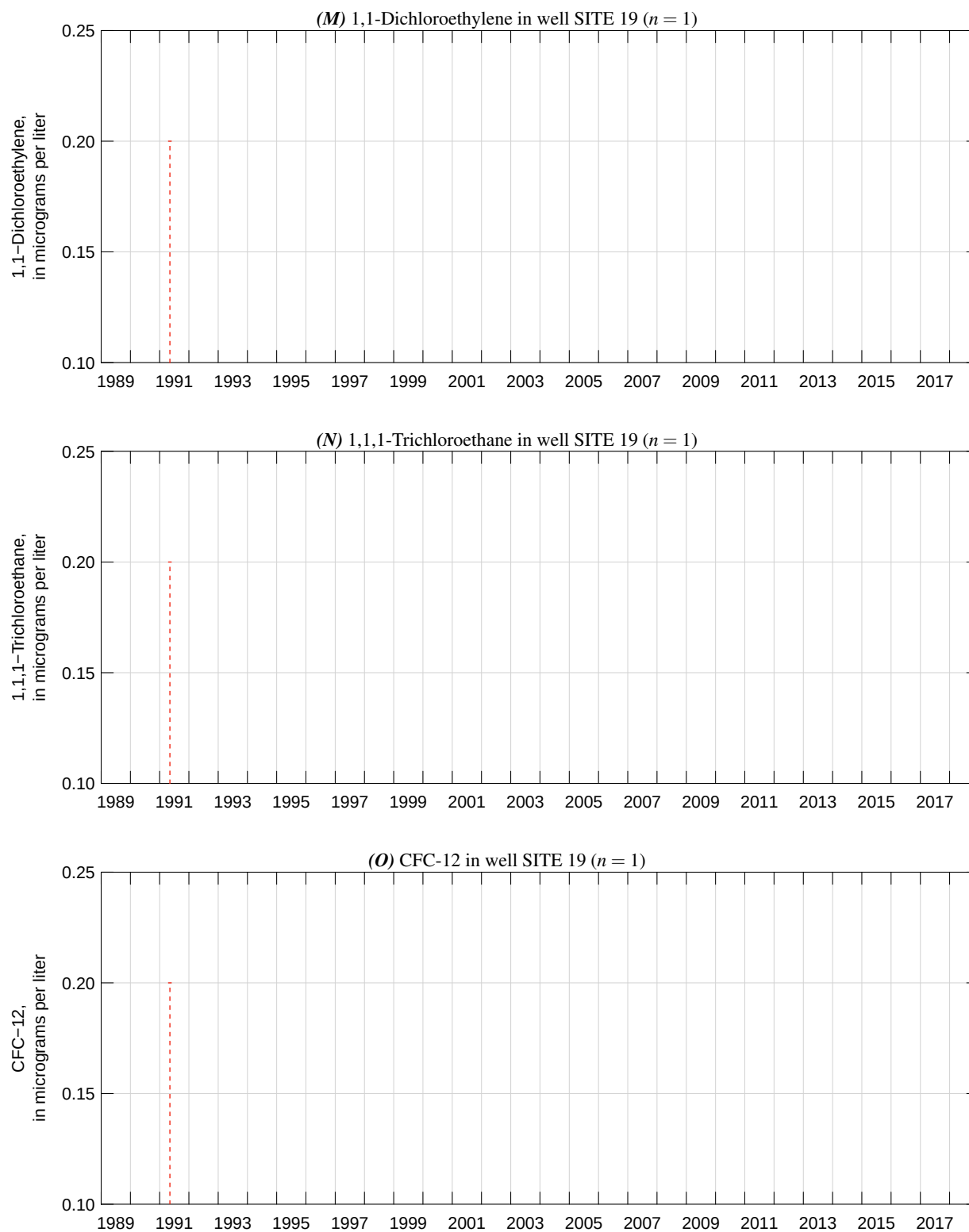


Figure 4.36. —Continued

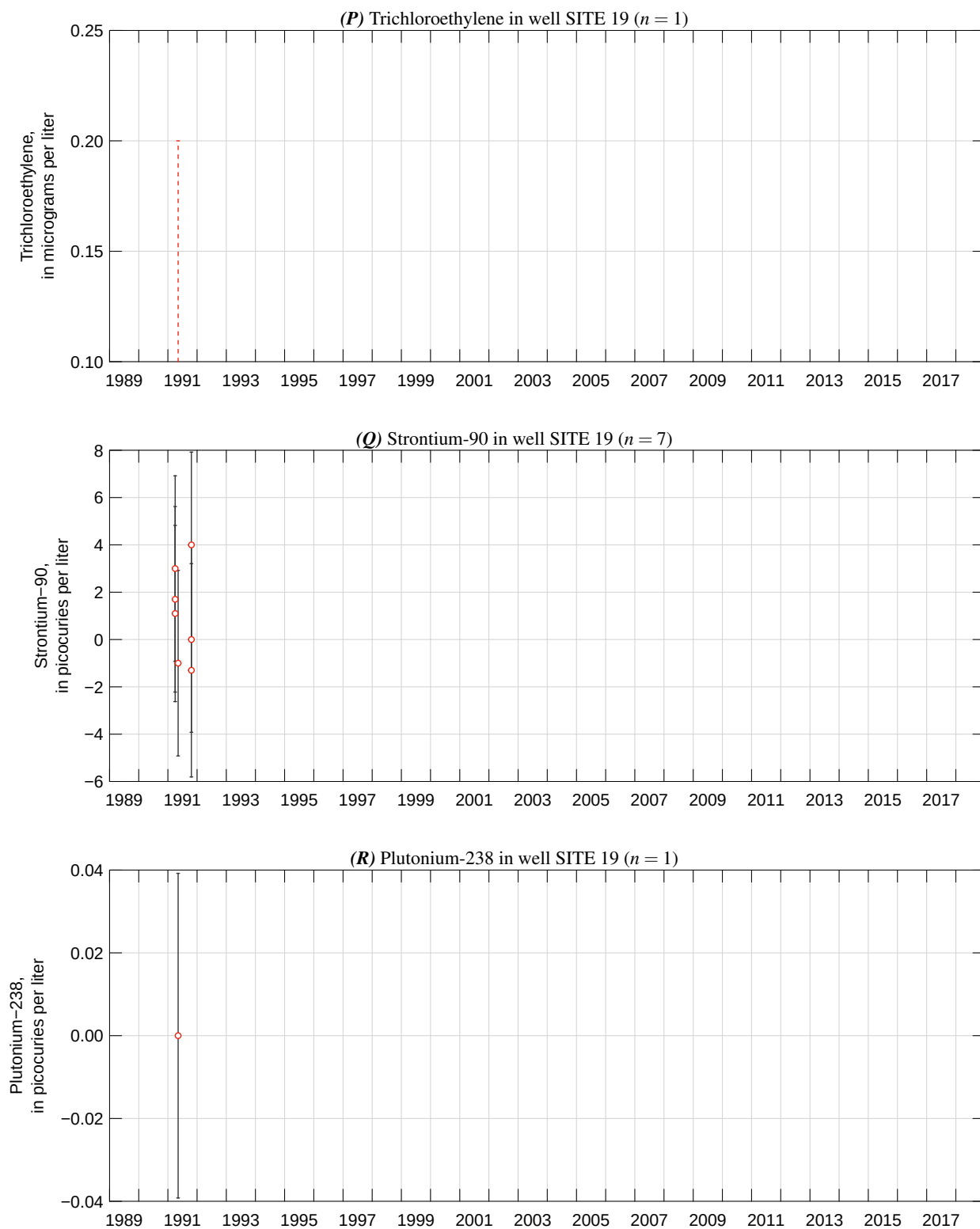


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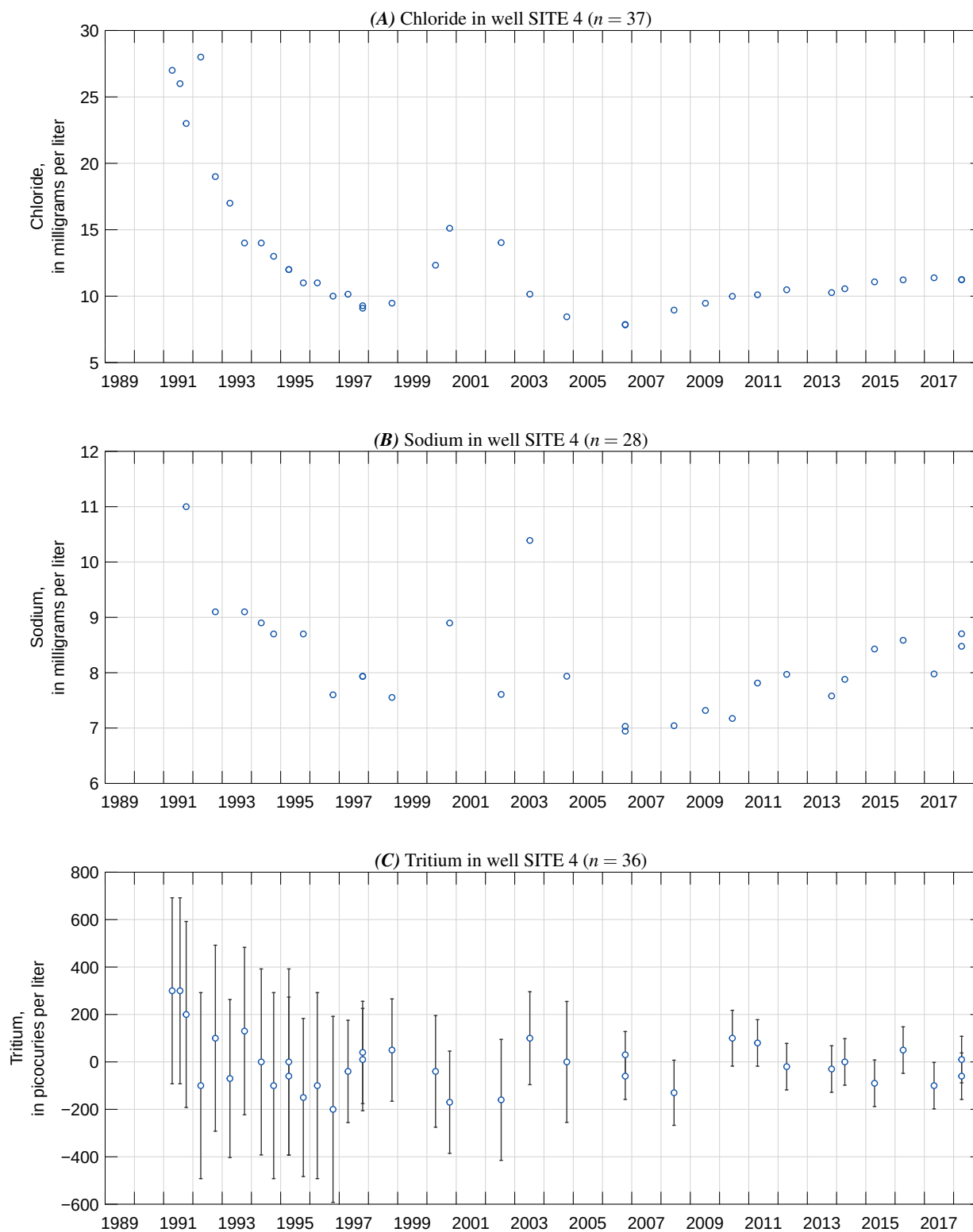


Figure 4.37. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, and (G) chromium concentrations in water collected from well SITE 4 (Site No. 433617112542001), Idaho National Laboratory, Idaho, 1989–2018.

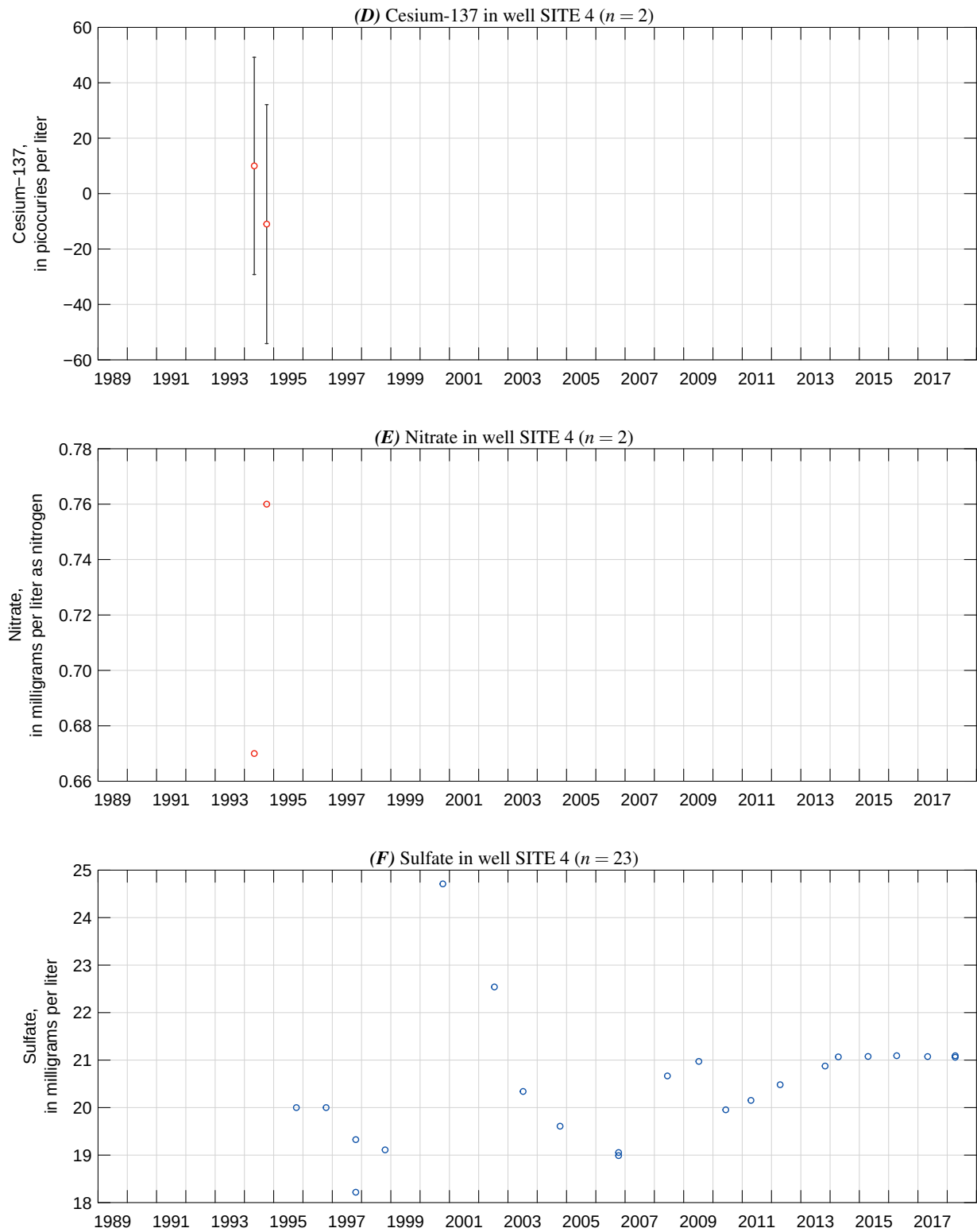


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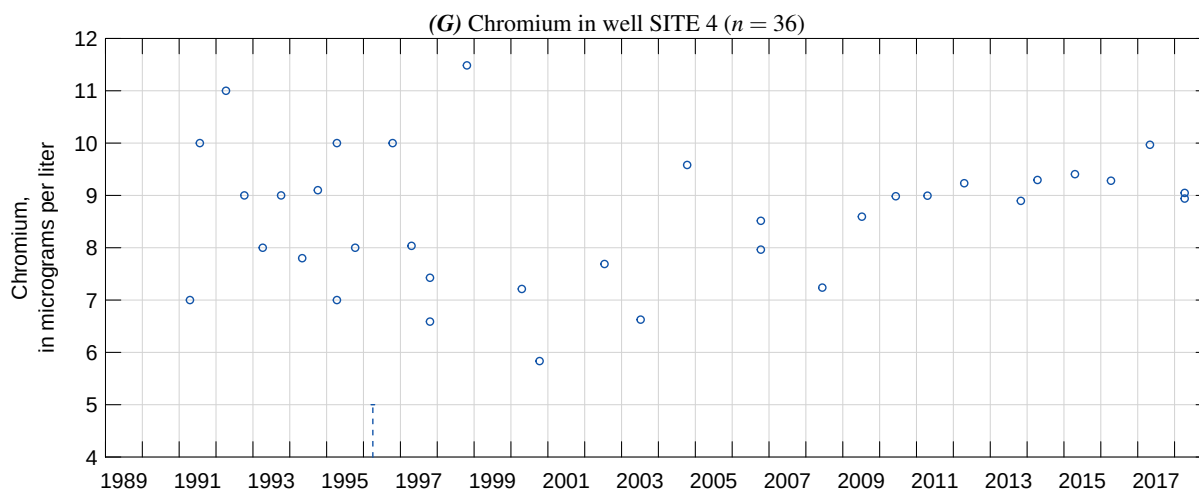


Figure 4.37. —Continued

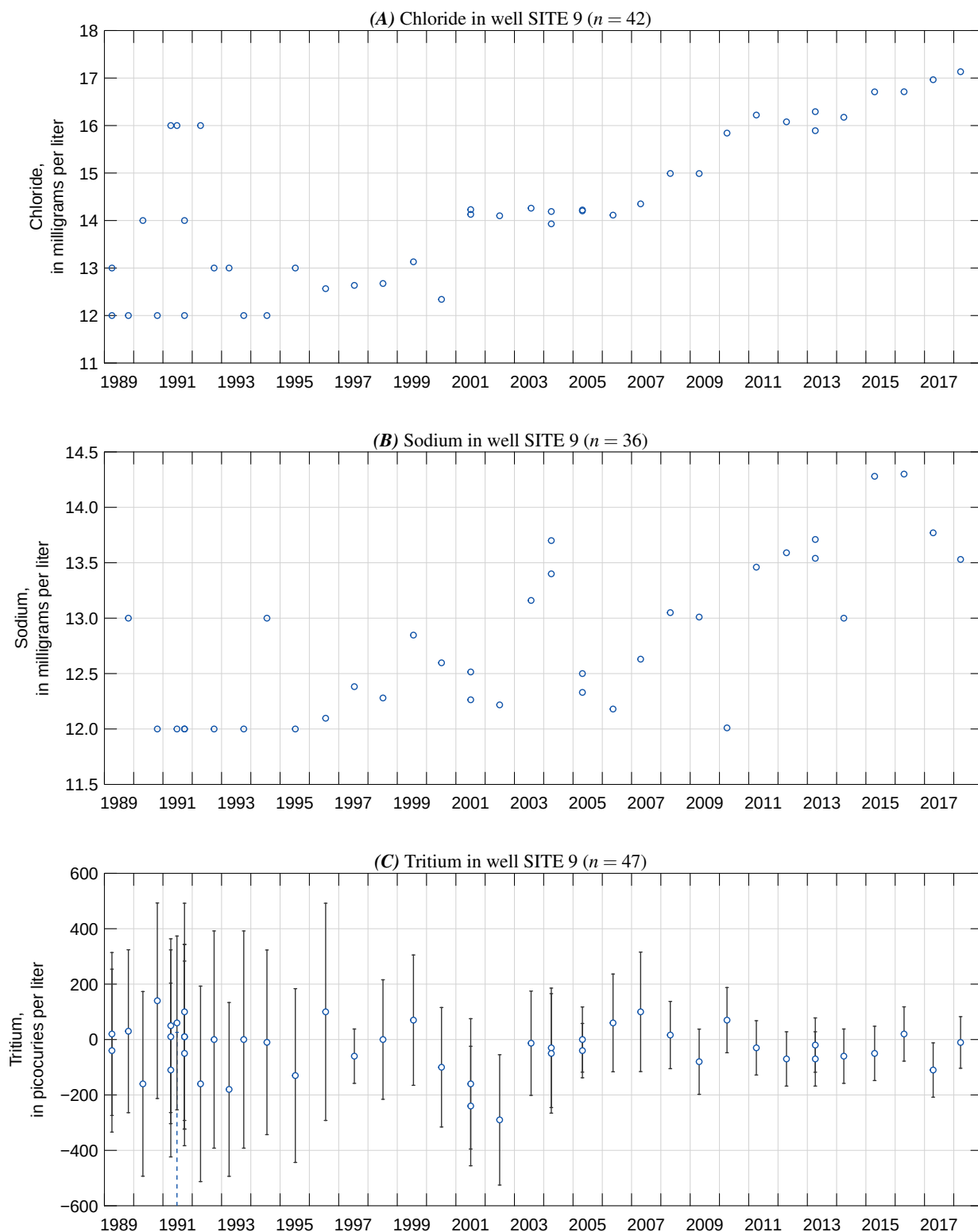


Figure 4.38. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, and (R) plutonium-238 concentrations in water collected from well SITE 9 (Site No. 433123112530101), Idaho National Laboratory, Idaho, 1989–2018.

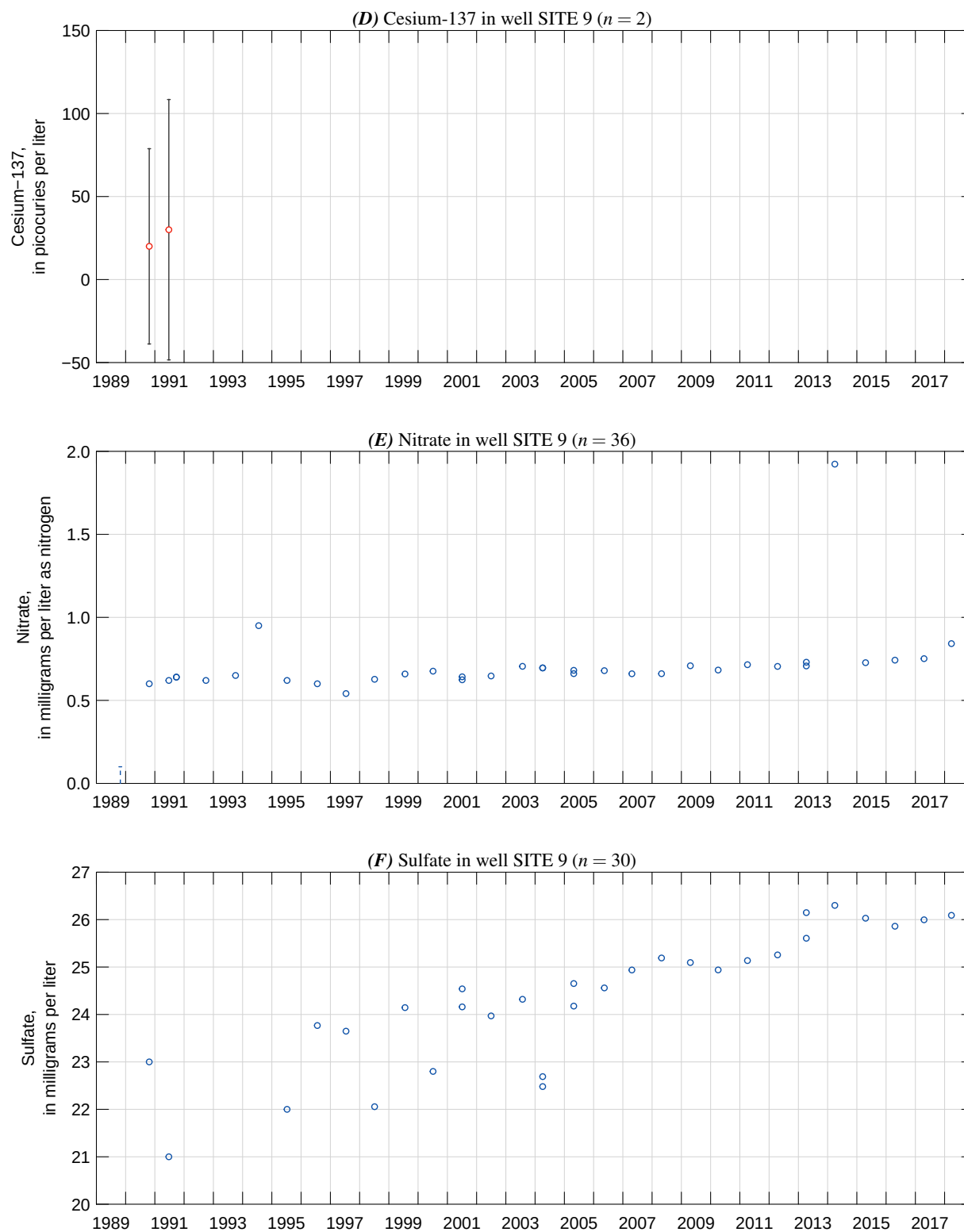


Figure 4.38. —Continued

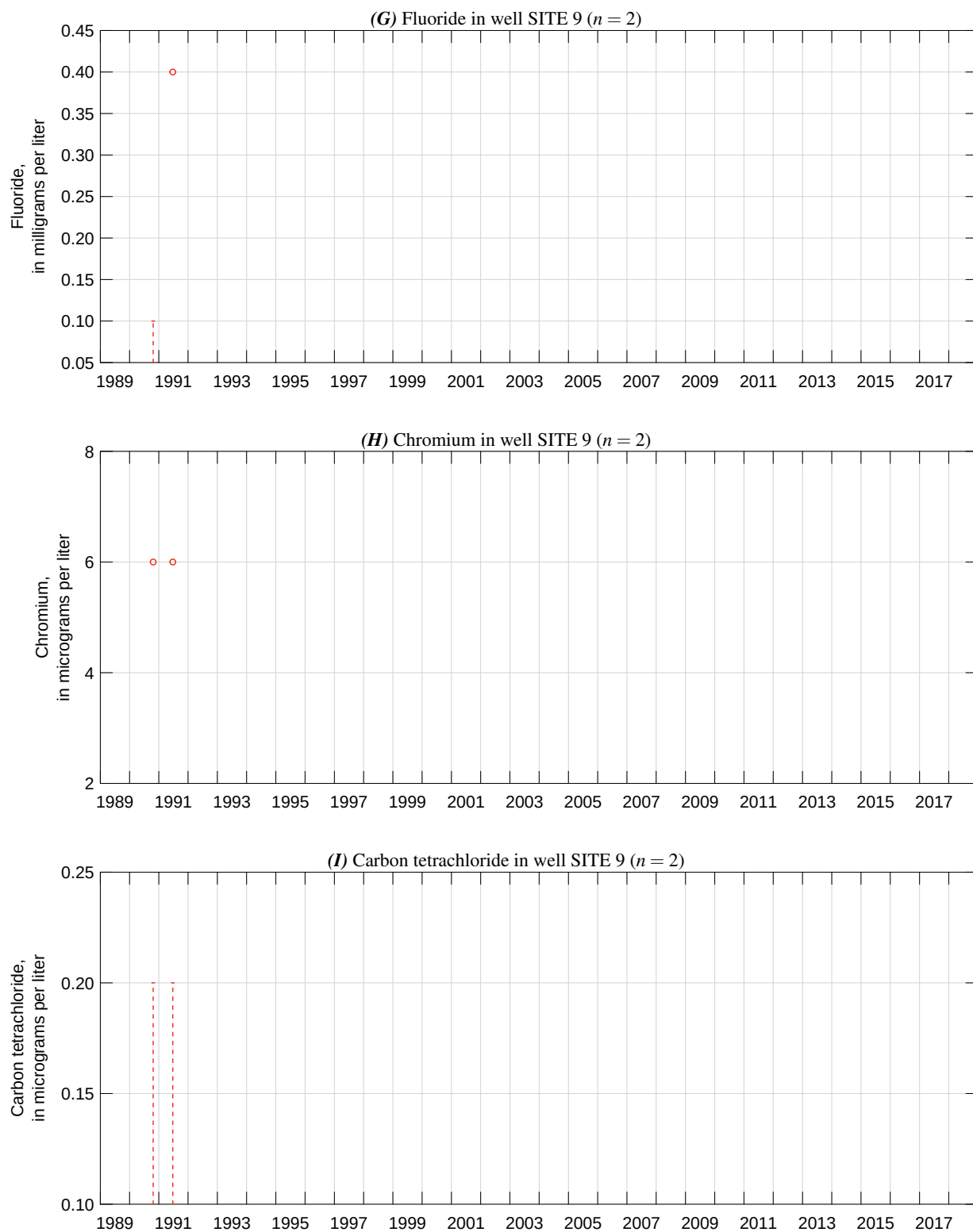
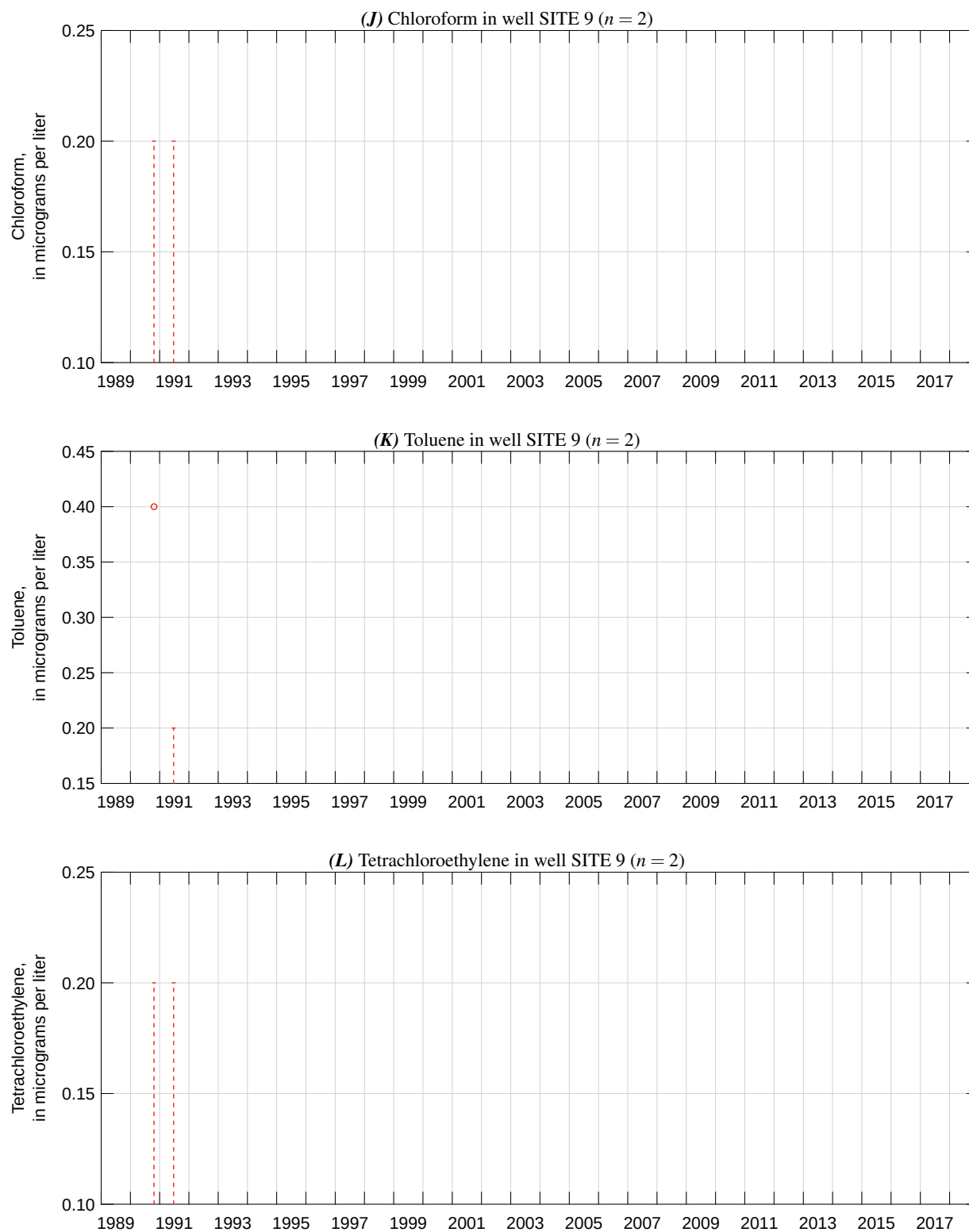


Figure 4.38. —Continued



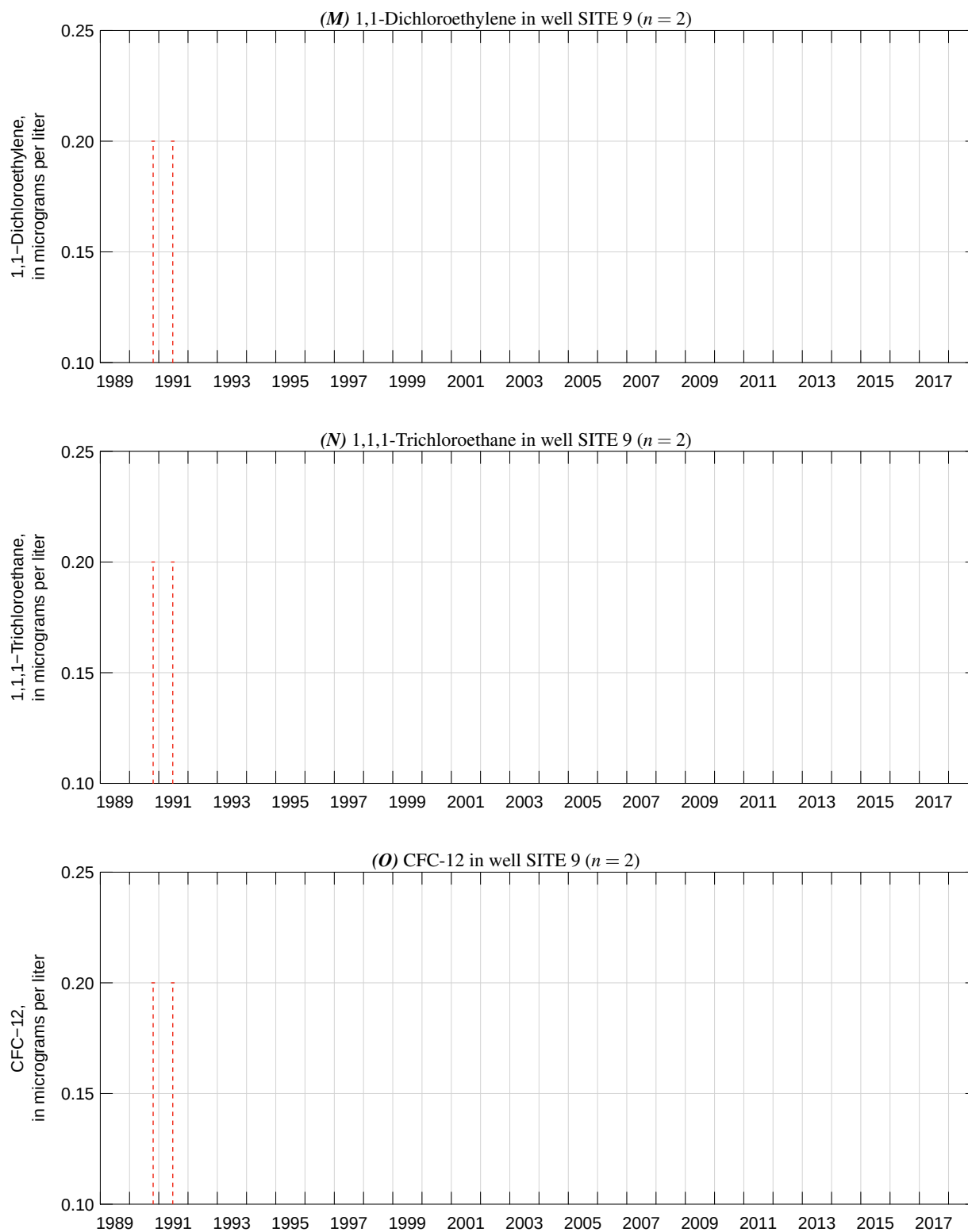


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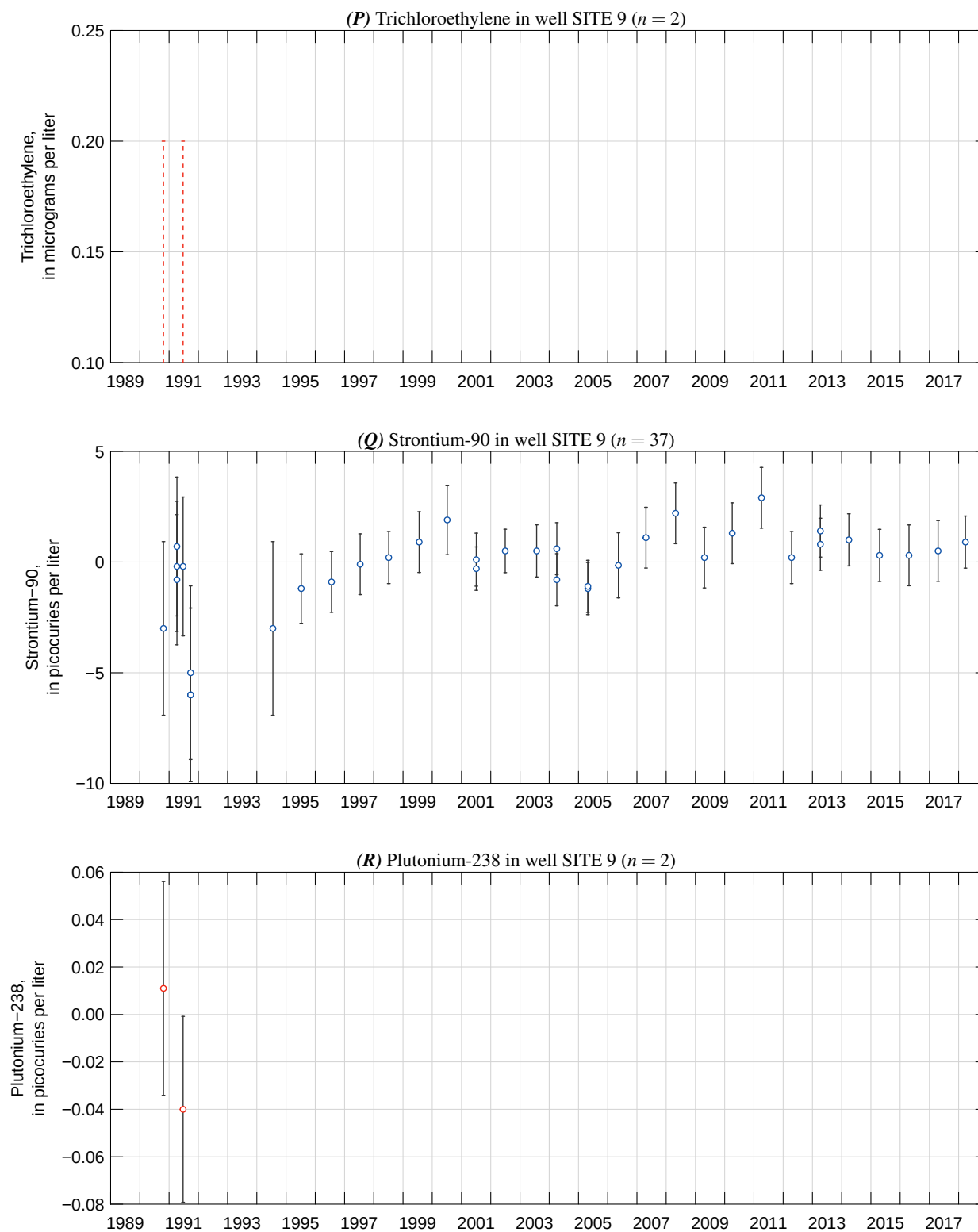


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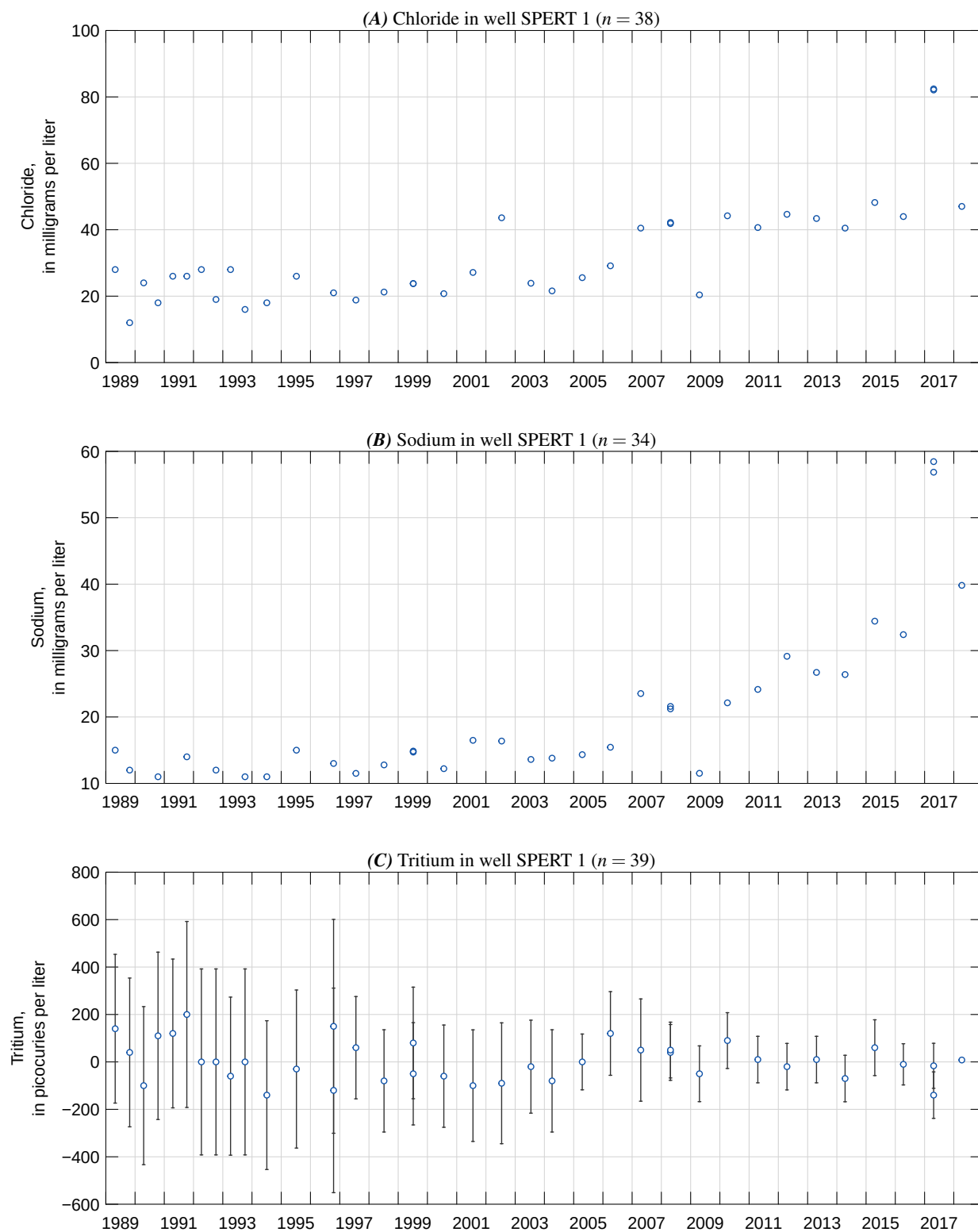


Figure 4.39. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) nitrate, (E) sulfate, and (F) fluoride concentrations in water collected from well SPERT 1 (Site No. 433252112520301), Idaho National Laboratory, Idaho, 1989–2018.

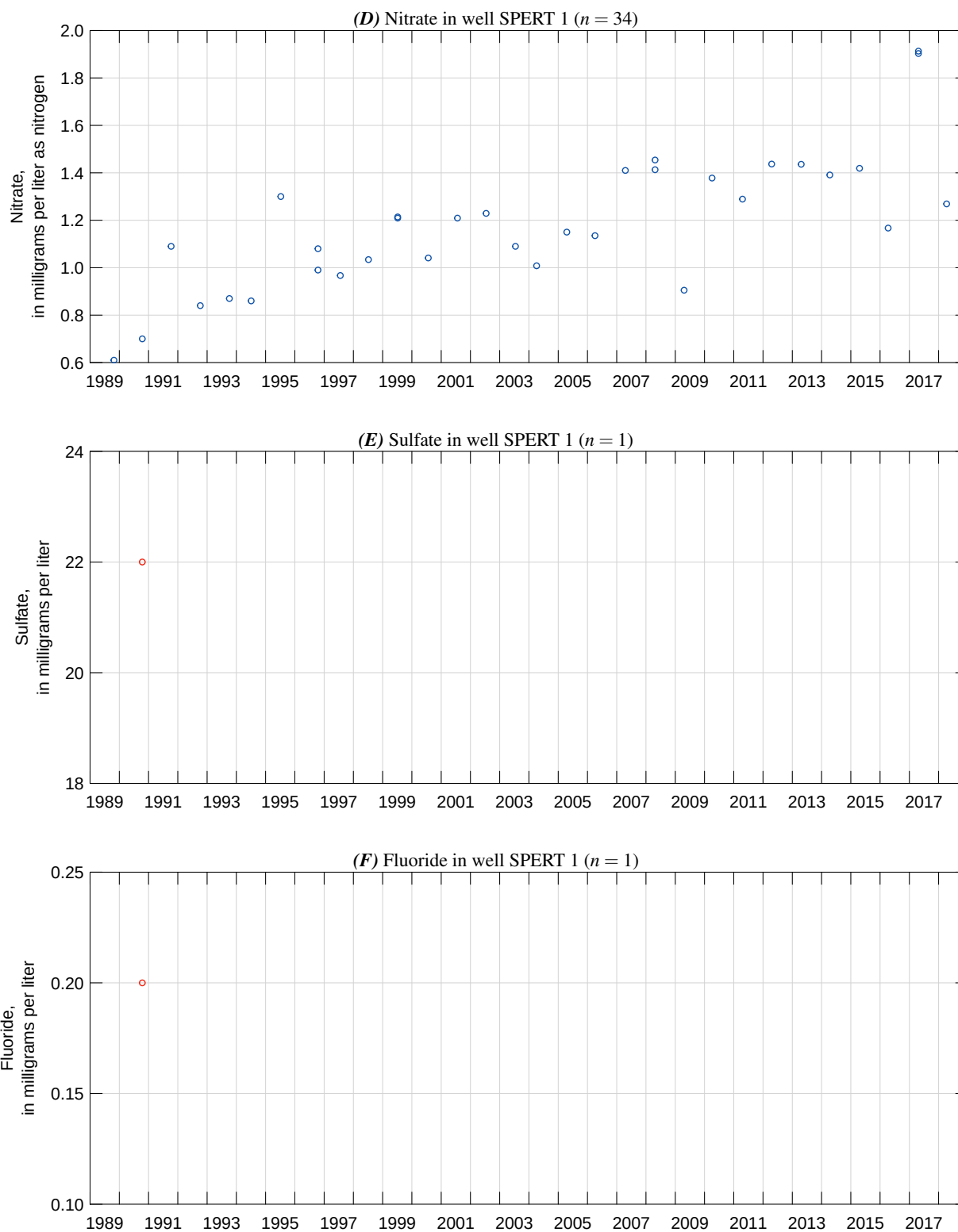


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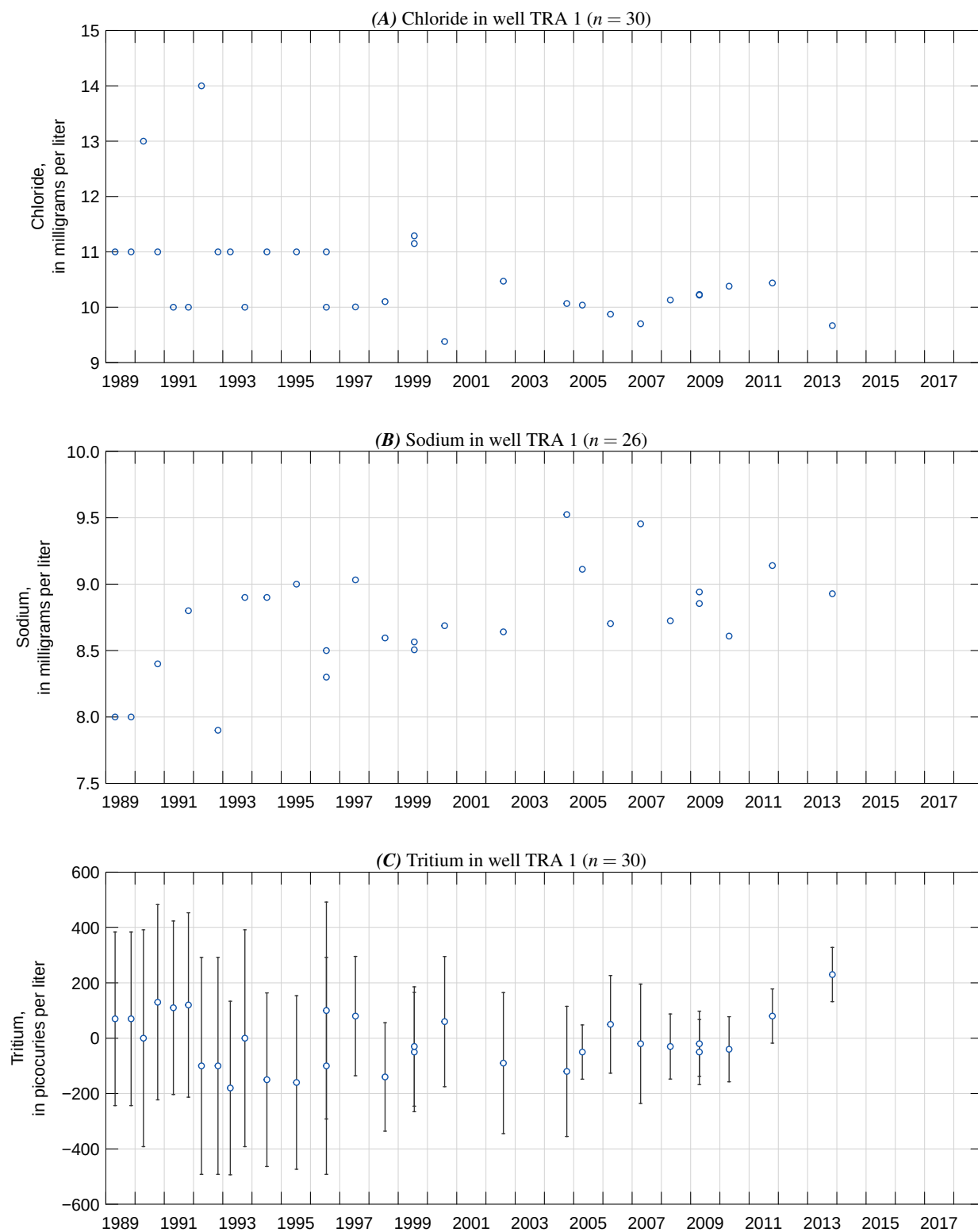


Figure 4.40. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) nitrate, (E) sulfate, (F) fluoride, and (G) chromium concentrations in water collected from well TRA 1 (Site No. 433521112573801), Idaho National Laboratory, Idaho, 1989–2018.

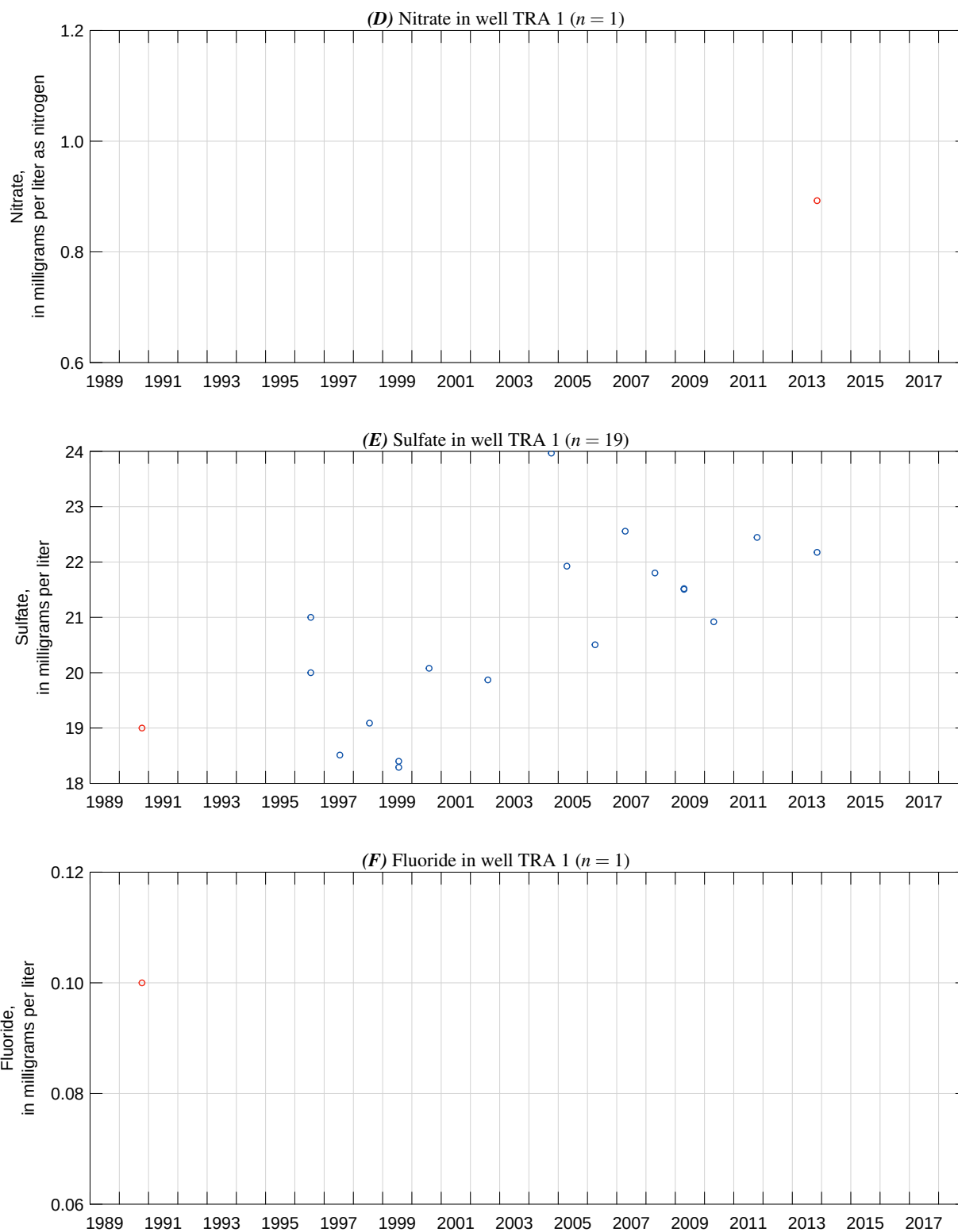


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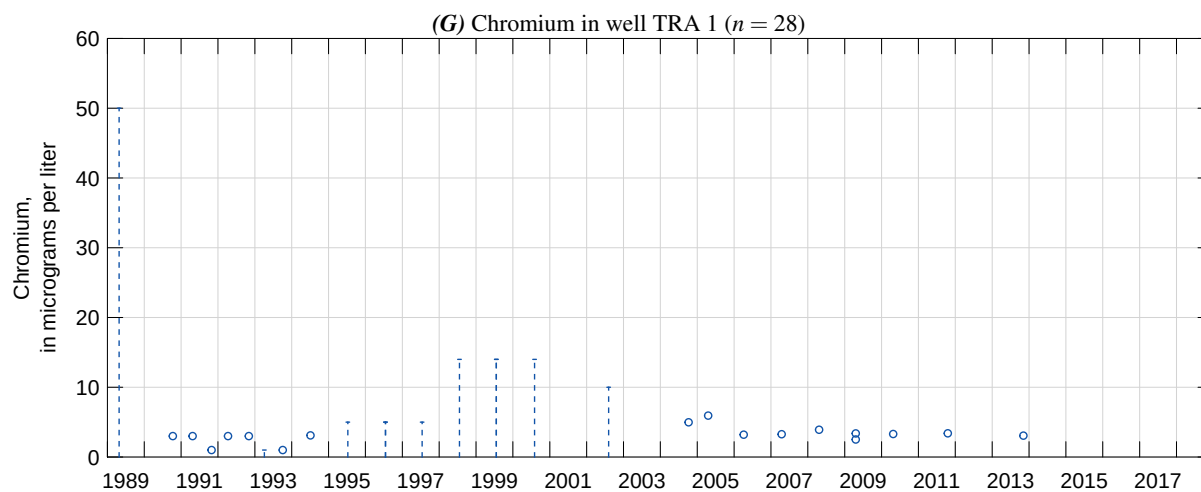


Figure 4.40. —Continued

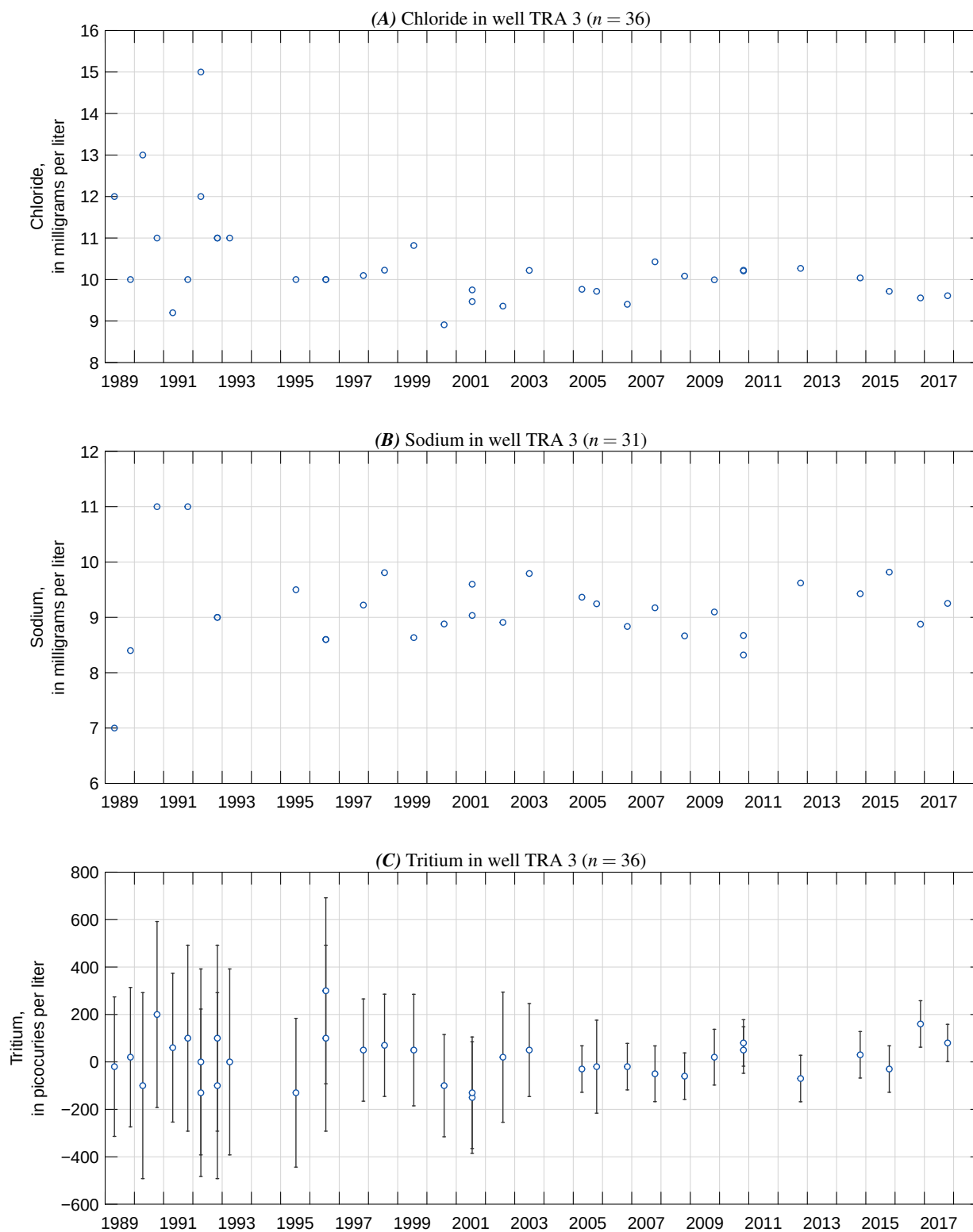


Figure 4.41. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) nitrate, (E) sulfate, (F) fluoride, and (G) chromium concentrations in water collected from well TRA 3 (Site No. 433522112573501), Idaho National Laboratory, Idaho, 1989–2018.

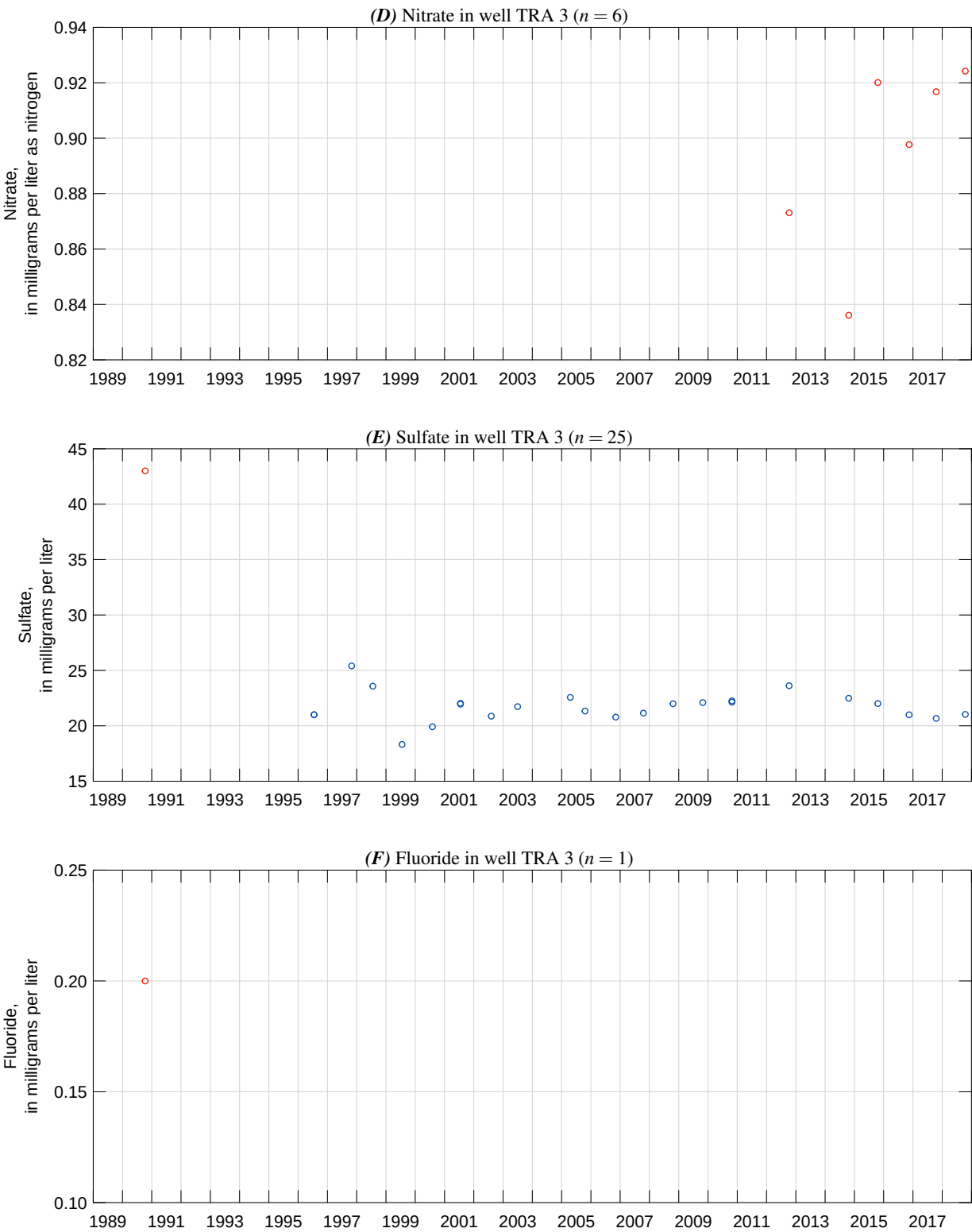


Figure 4.41. —Continued

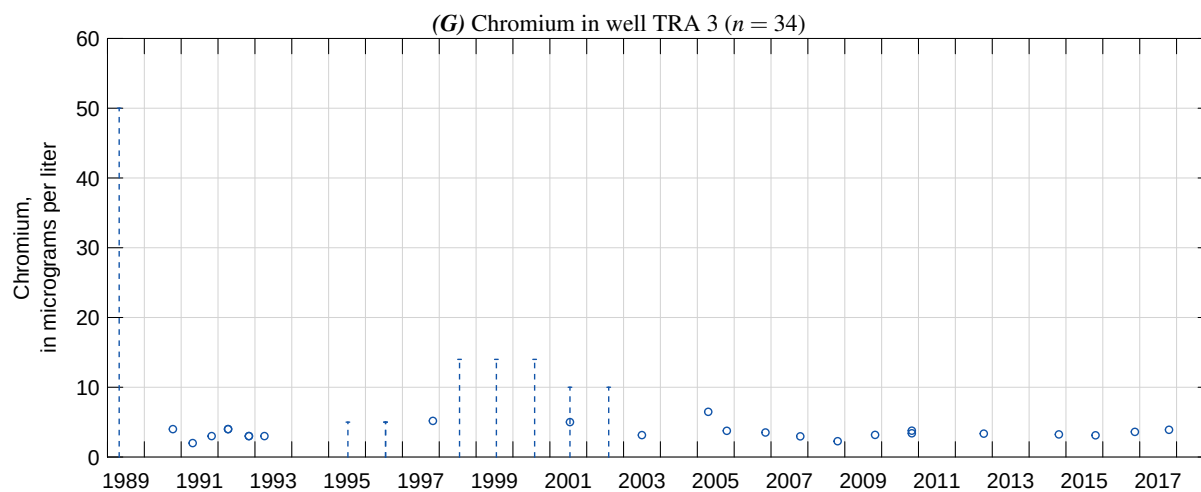


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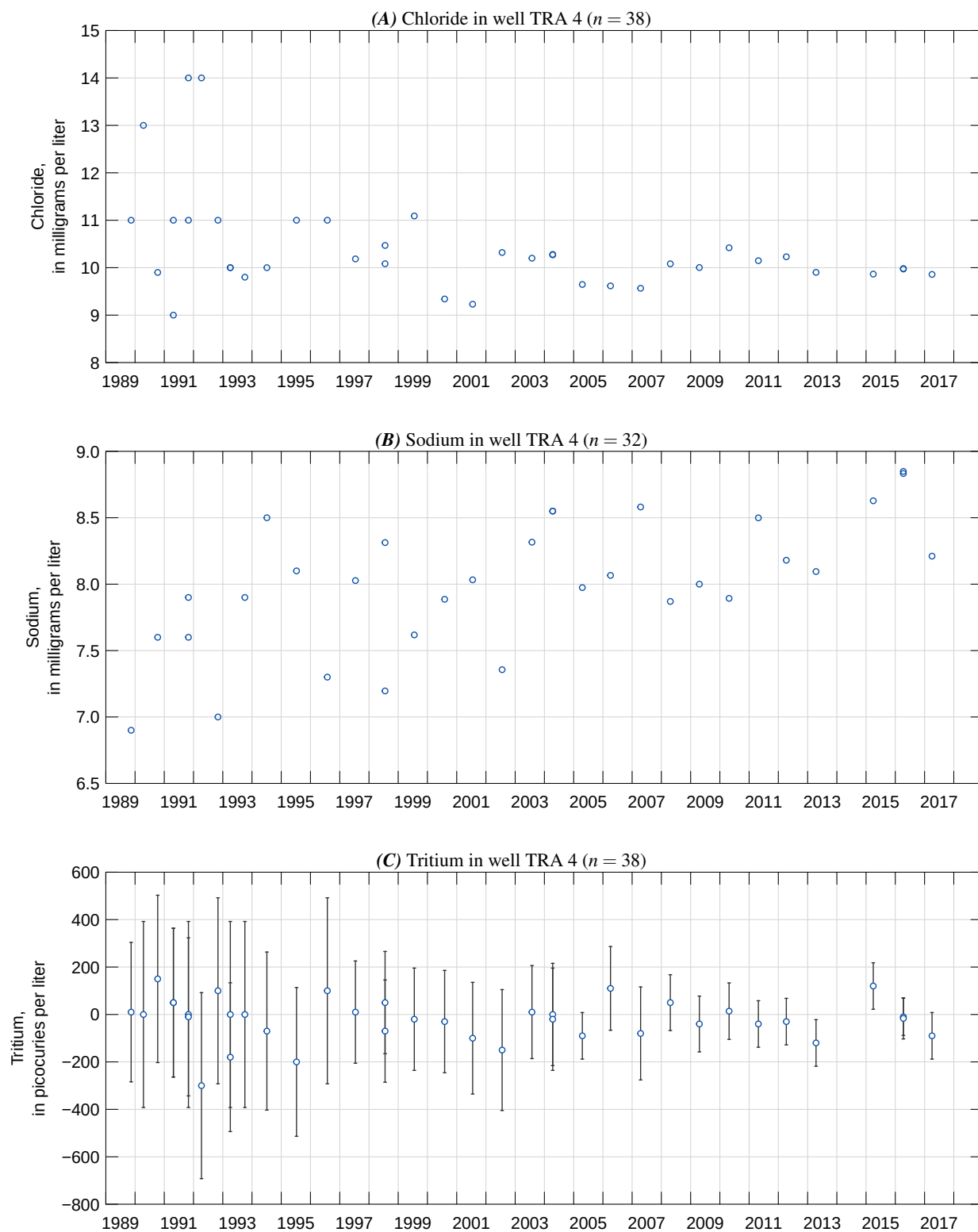


Figure 4.42. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) nitrate, (E) sulfate, (F) fluoride, and (G) chromium concentrations in water collected from well TRA 4 (Site No. 433521112574201), Idaho National Laboratory, Idaho, 1989–2018.

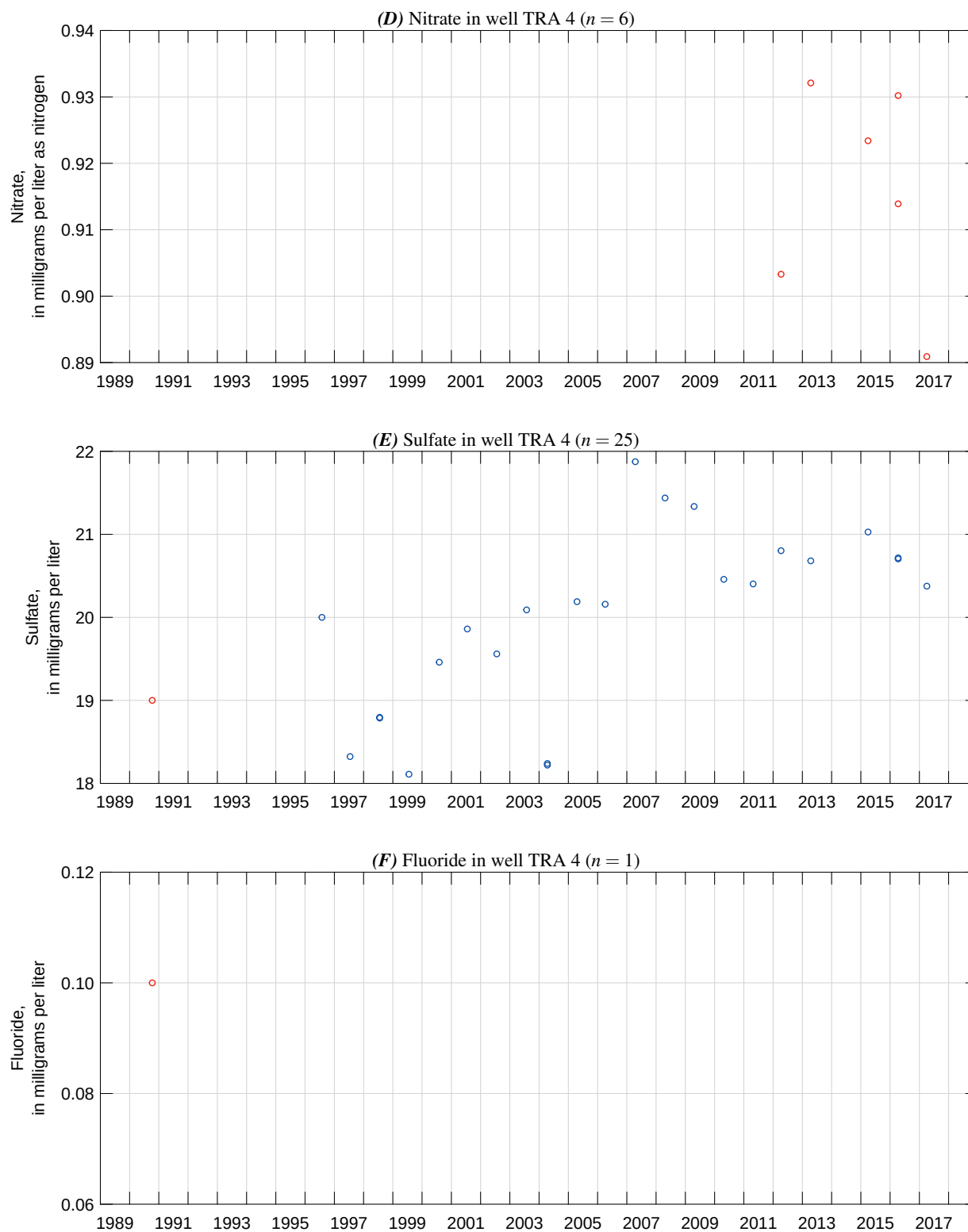
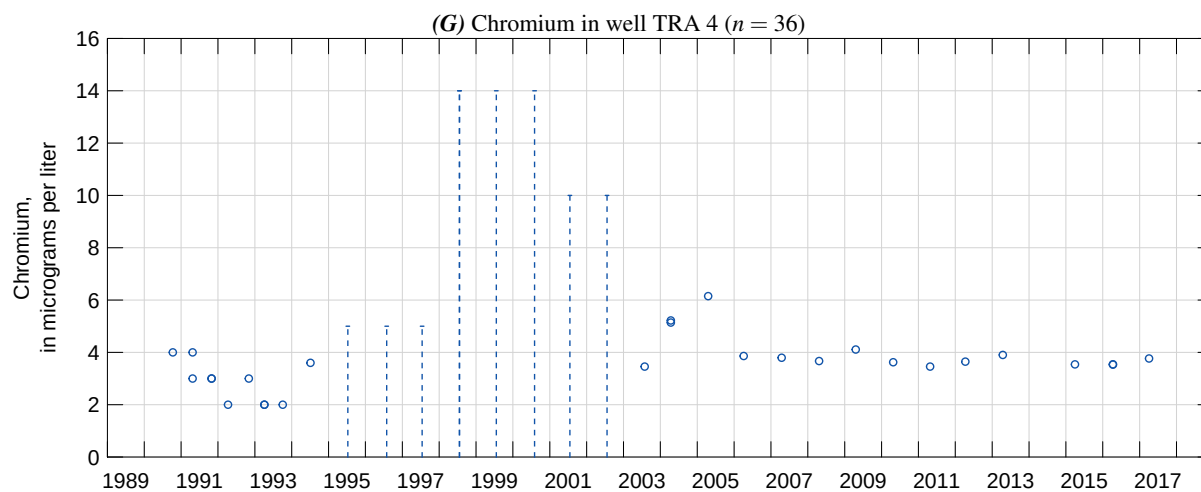


Figure 4.42. —Continued

**Figure 4.42.** —Continued

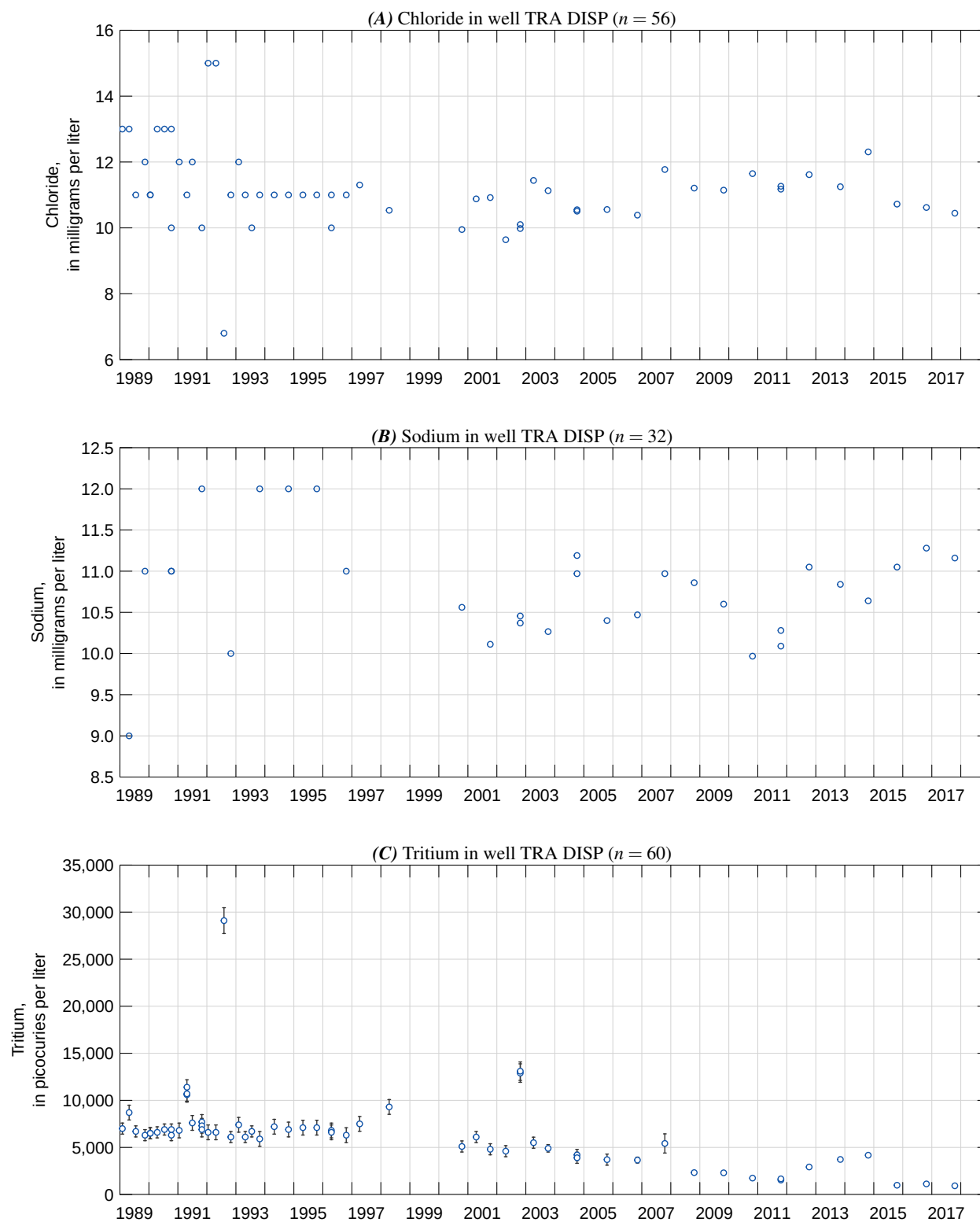


Figure 4.43. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, and (I) strontium-90 concentrations in water collected from well TRA DISP (Site No. 433506112572301), Idaho National Laboratory, Idaho, 1989–2018.

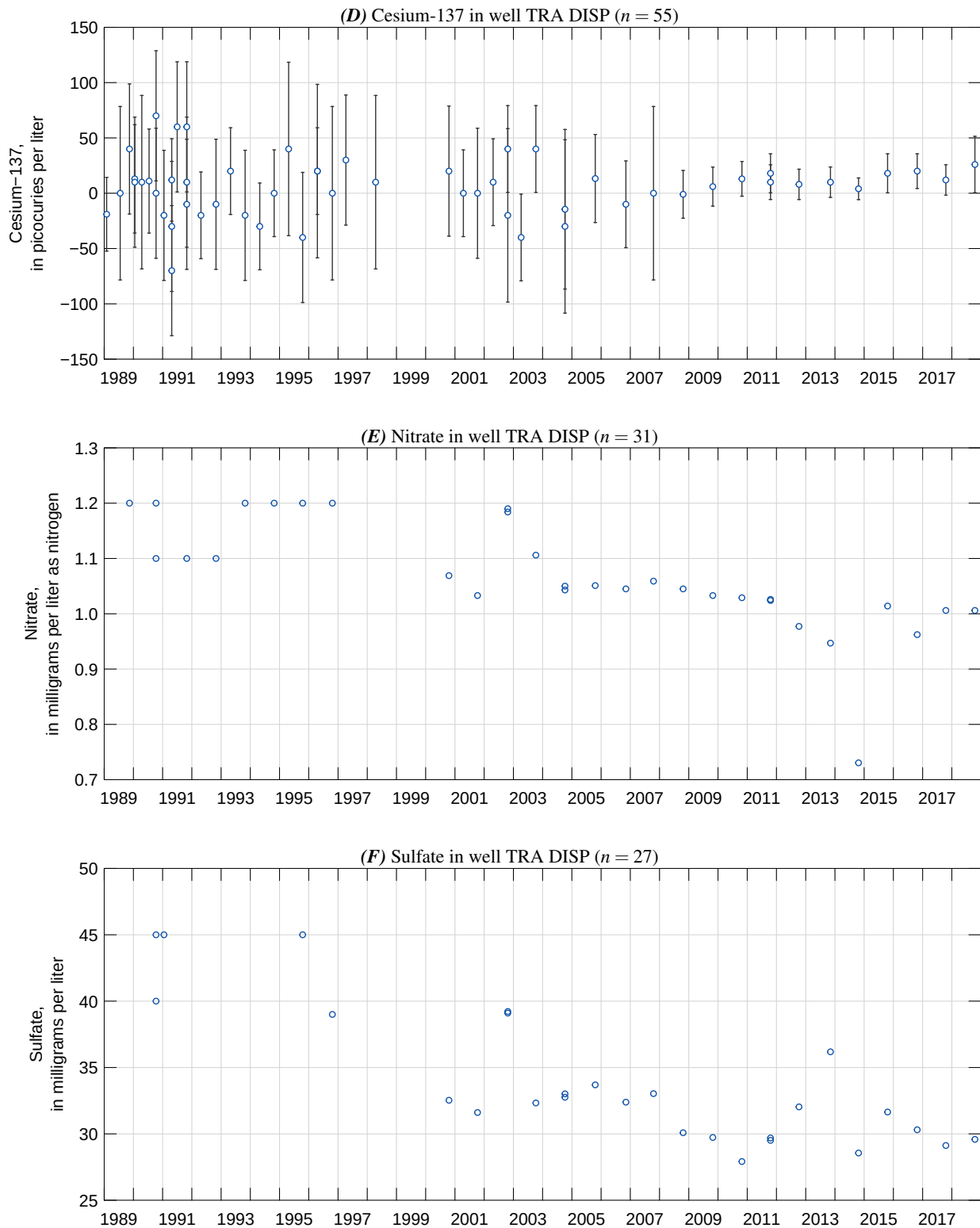


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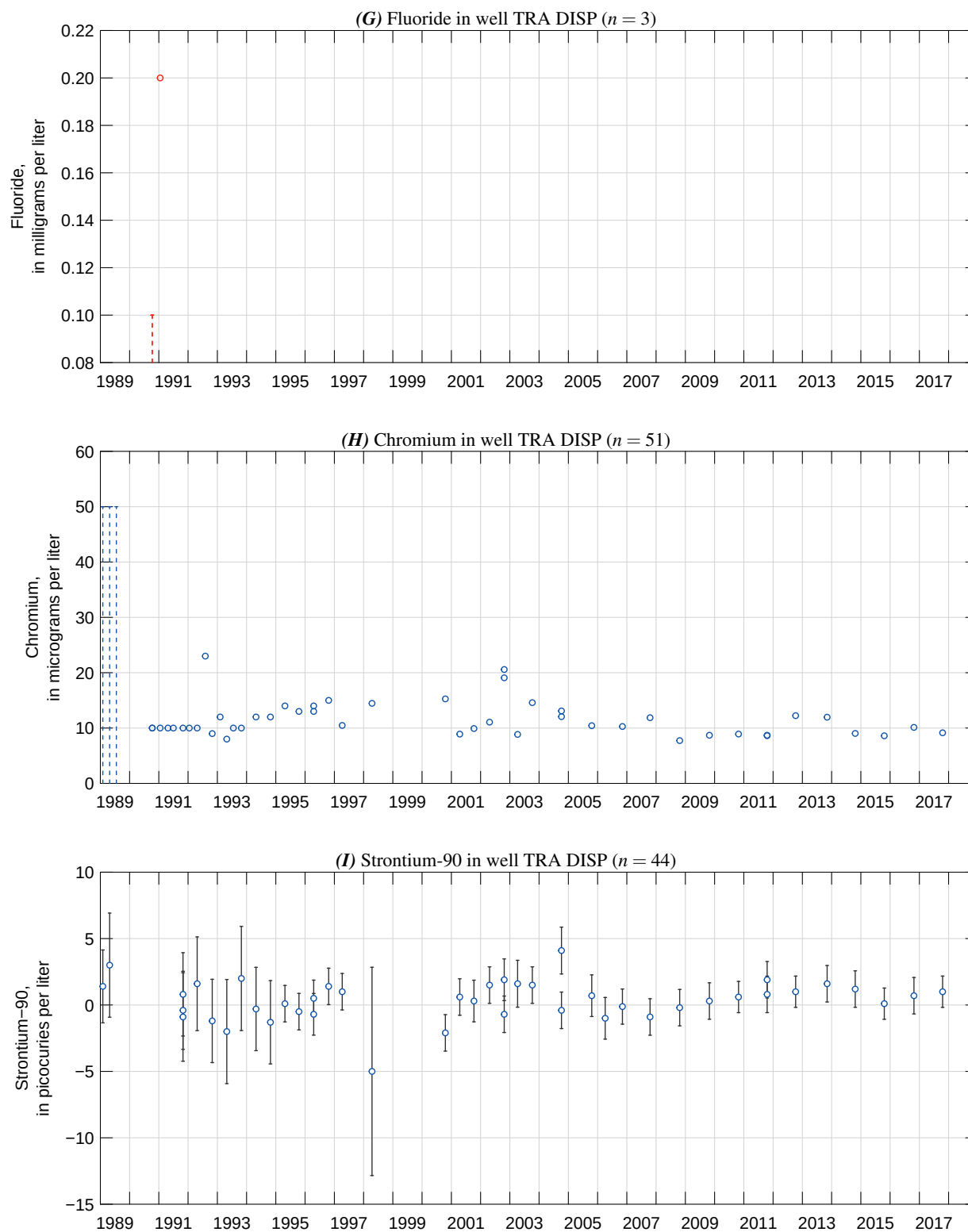


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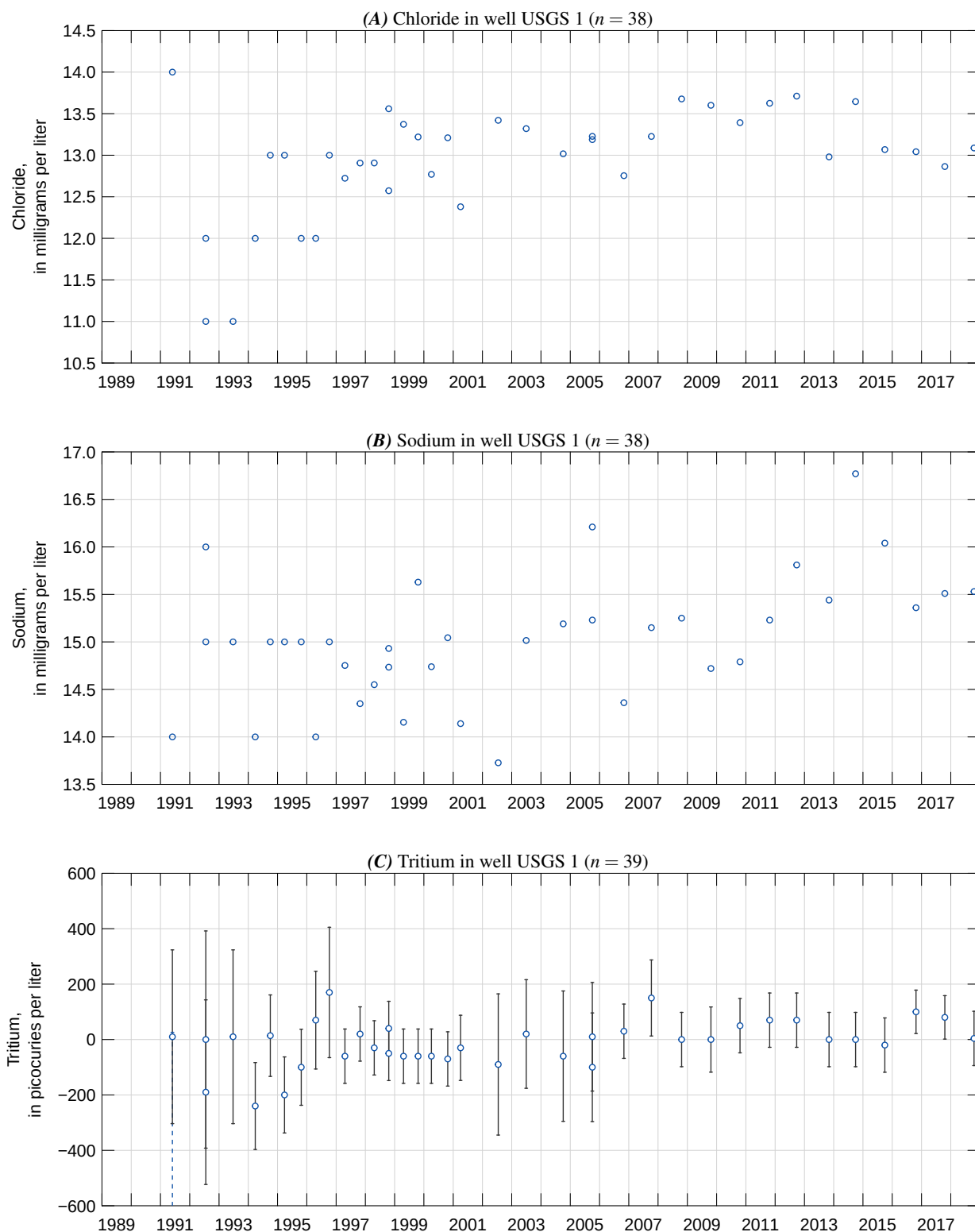


Figure 4.44. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, (R) plutonium-238, (S) alpha particle, and (T) beta particle concentrations in water collected from well USGS 1 (Site No. 432700112470801), Idaho National Laboratory, Idaho, 1989–2018.

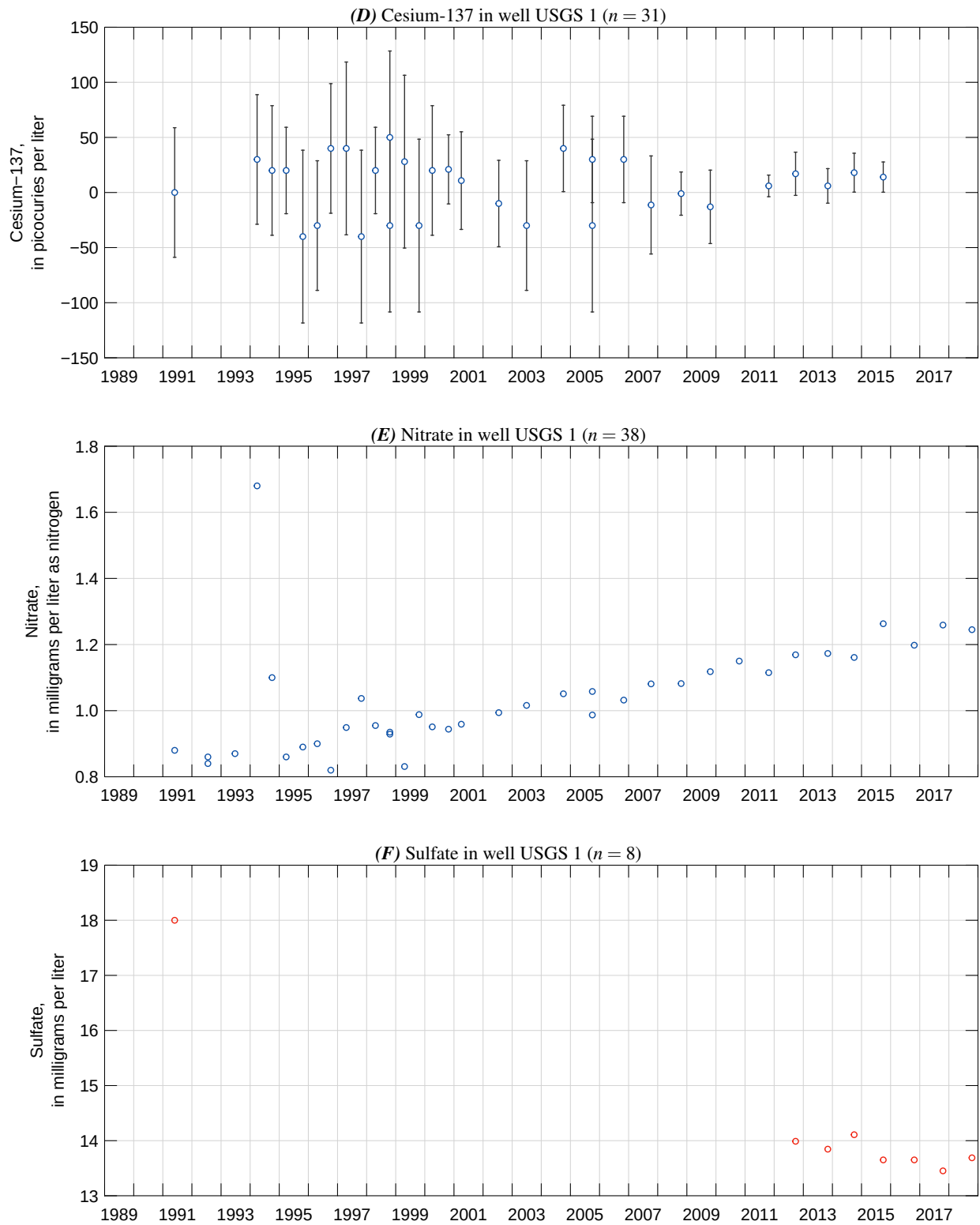


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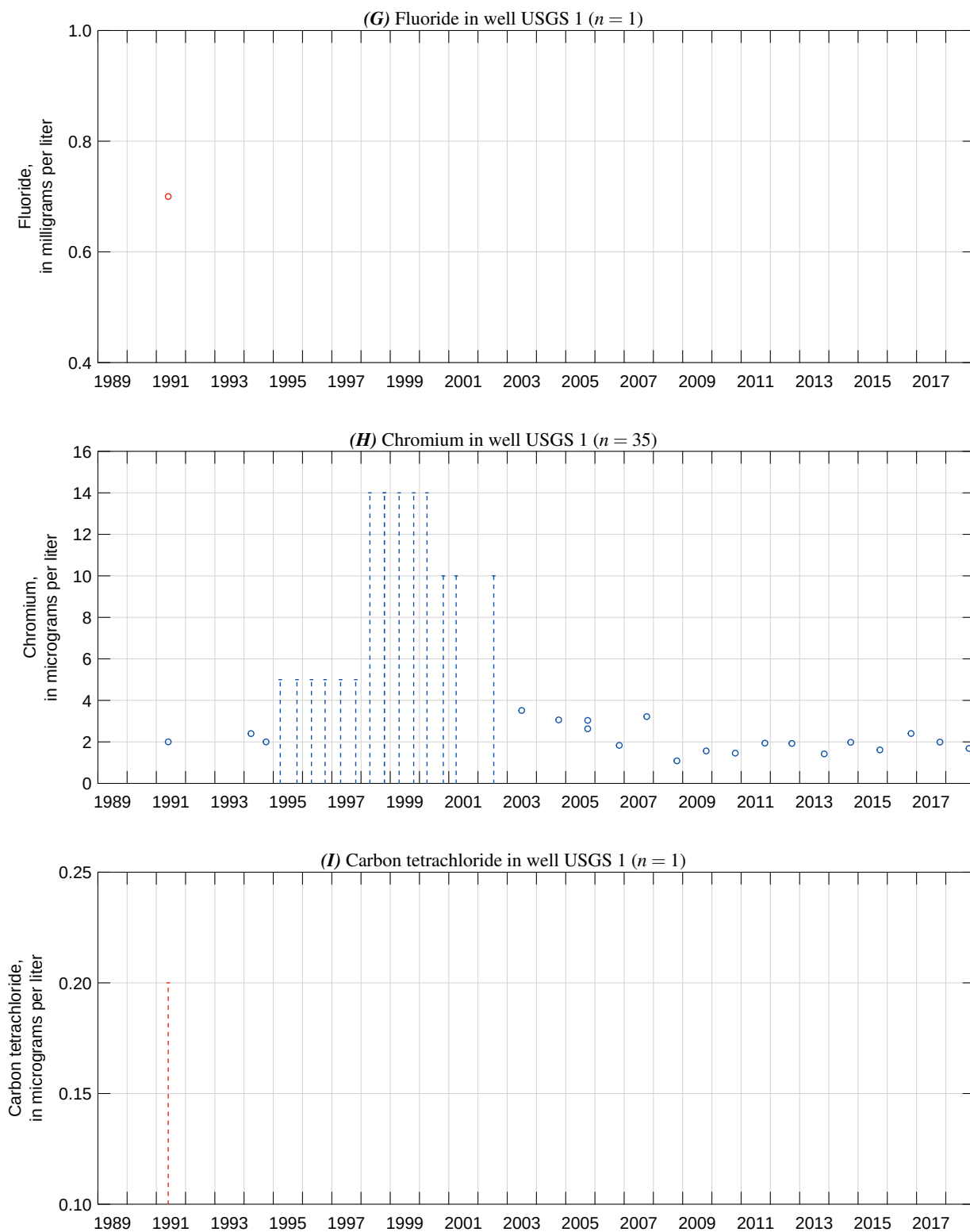
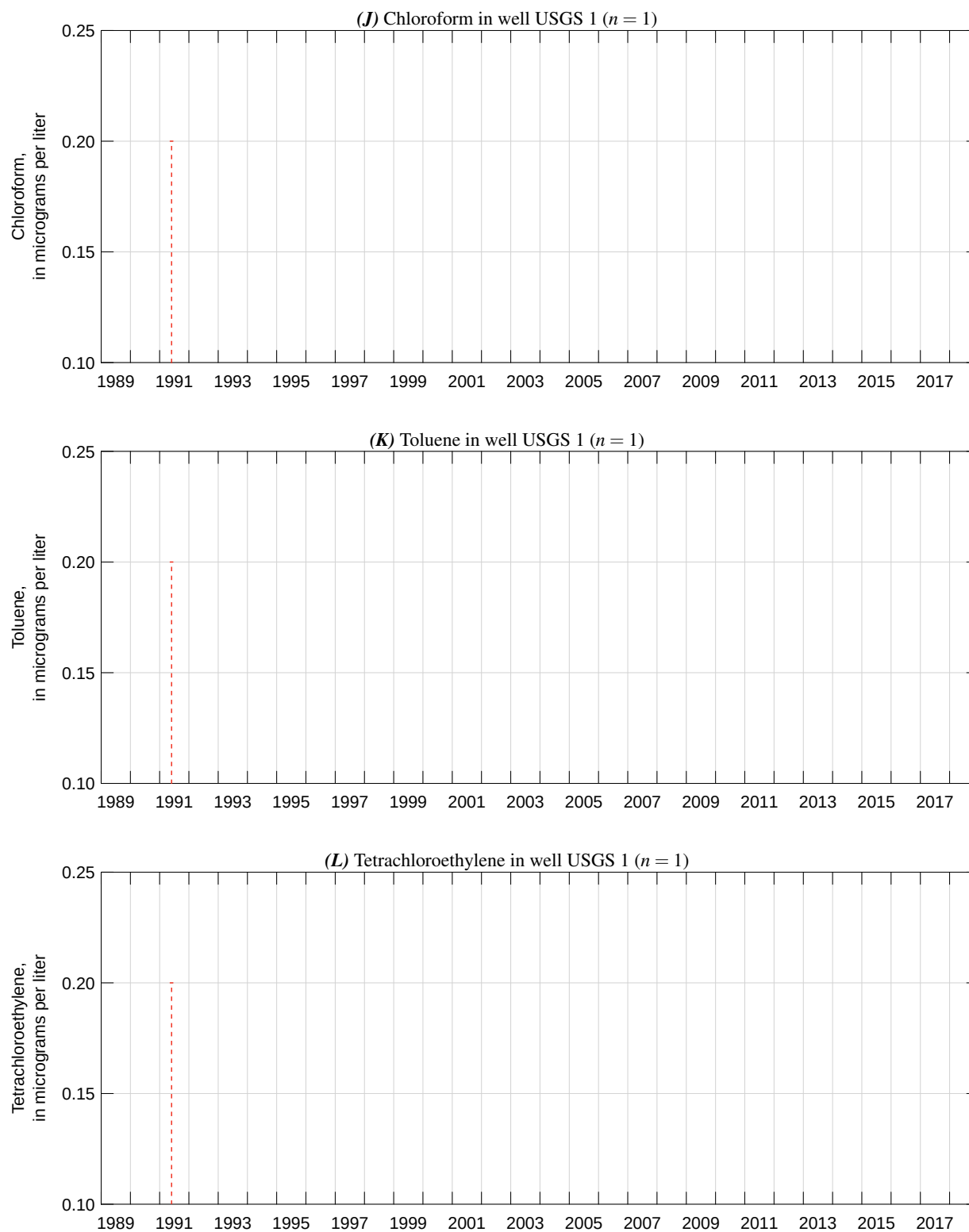


Figure 4.44. —Continued



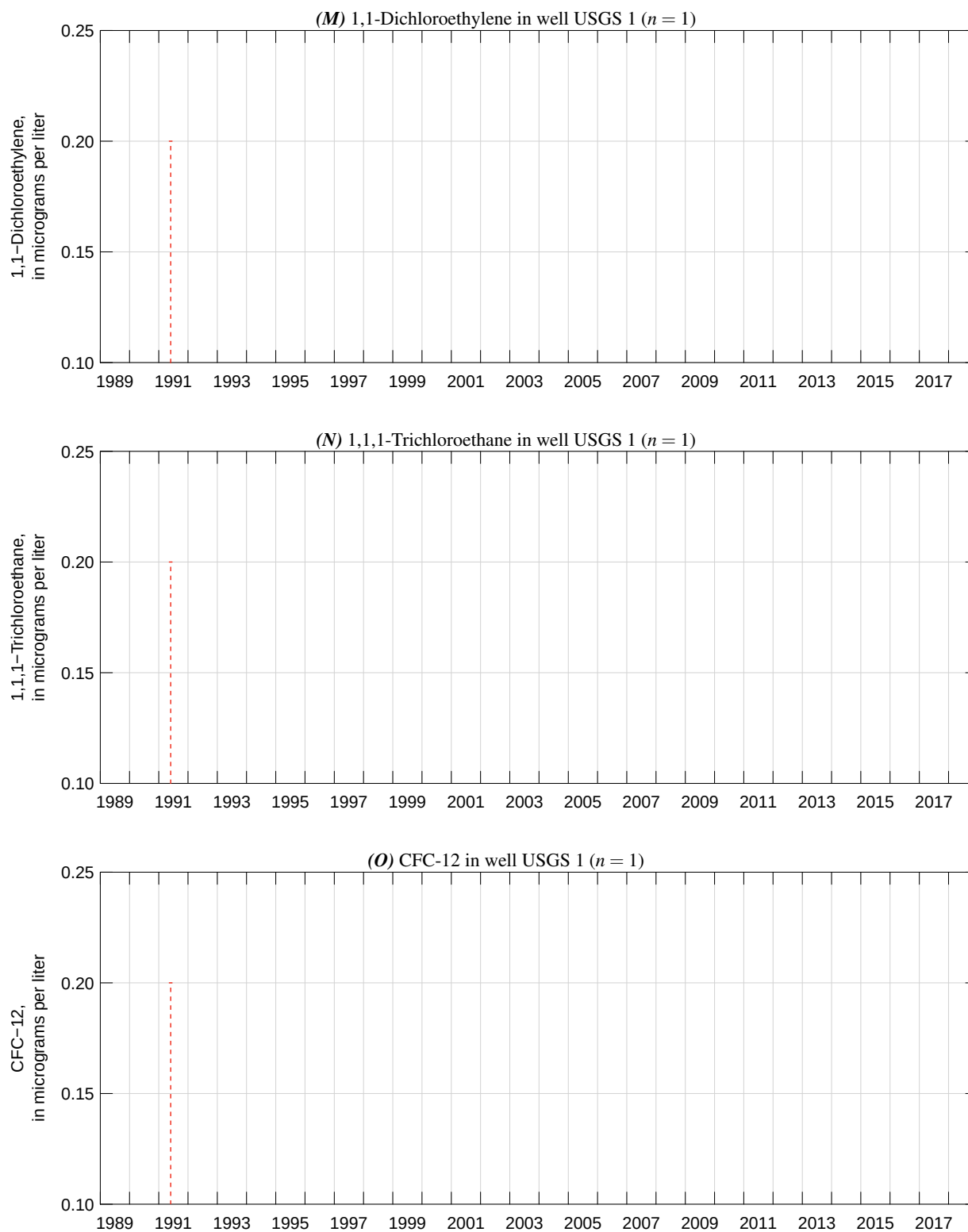


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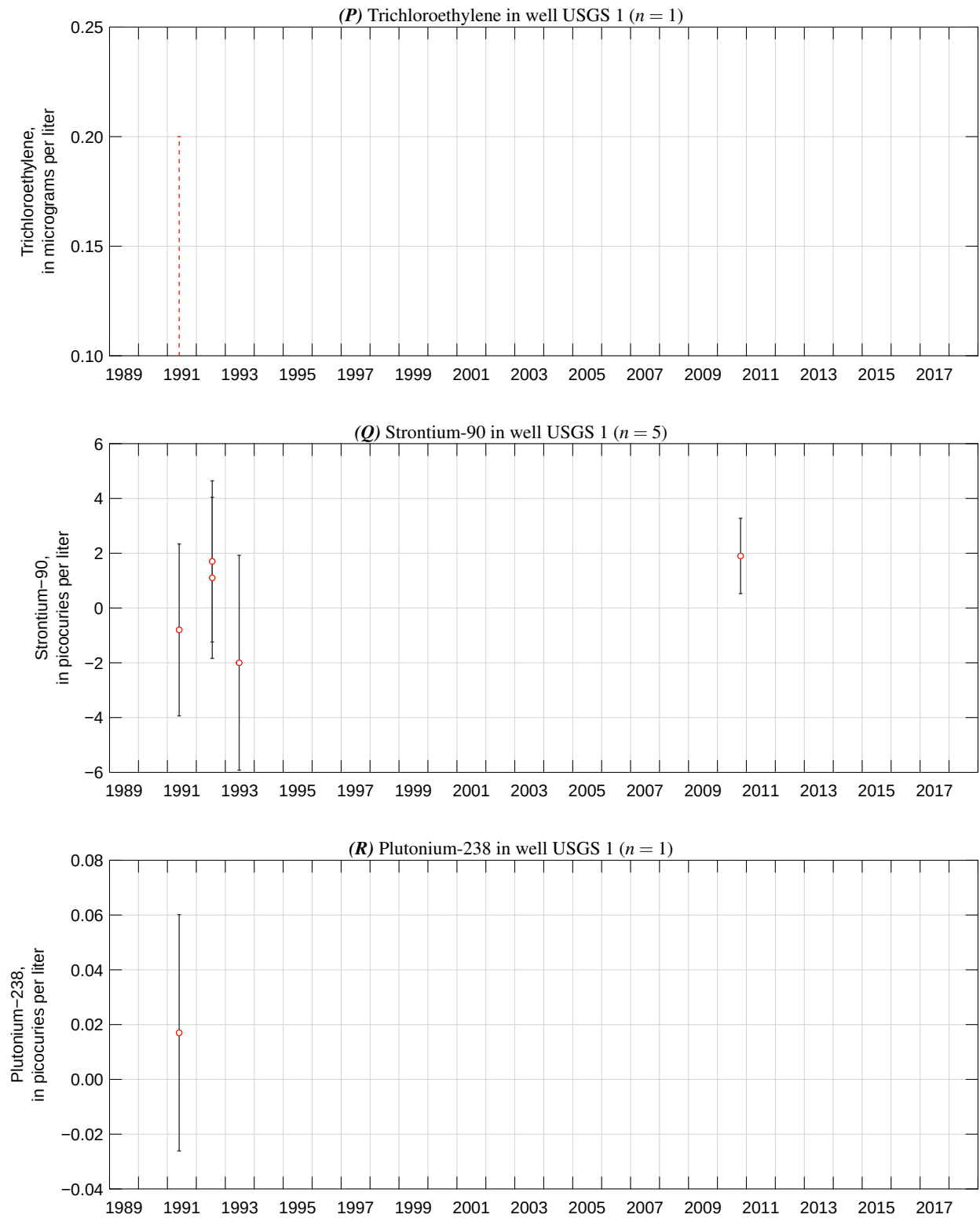


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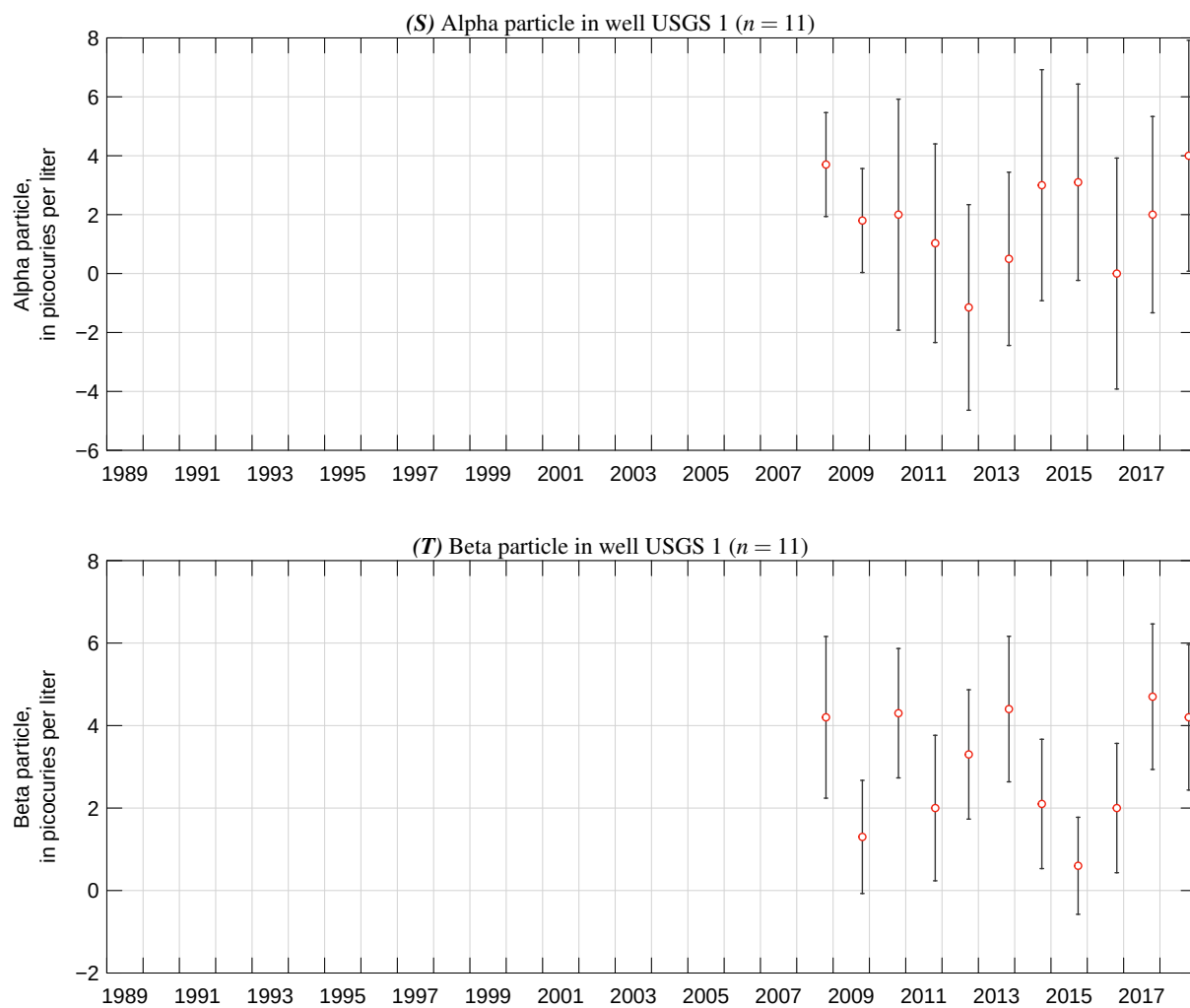


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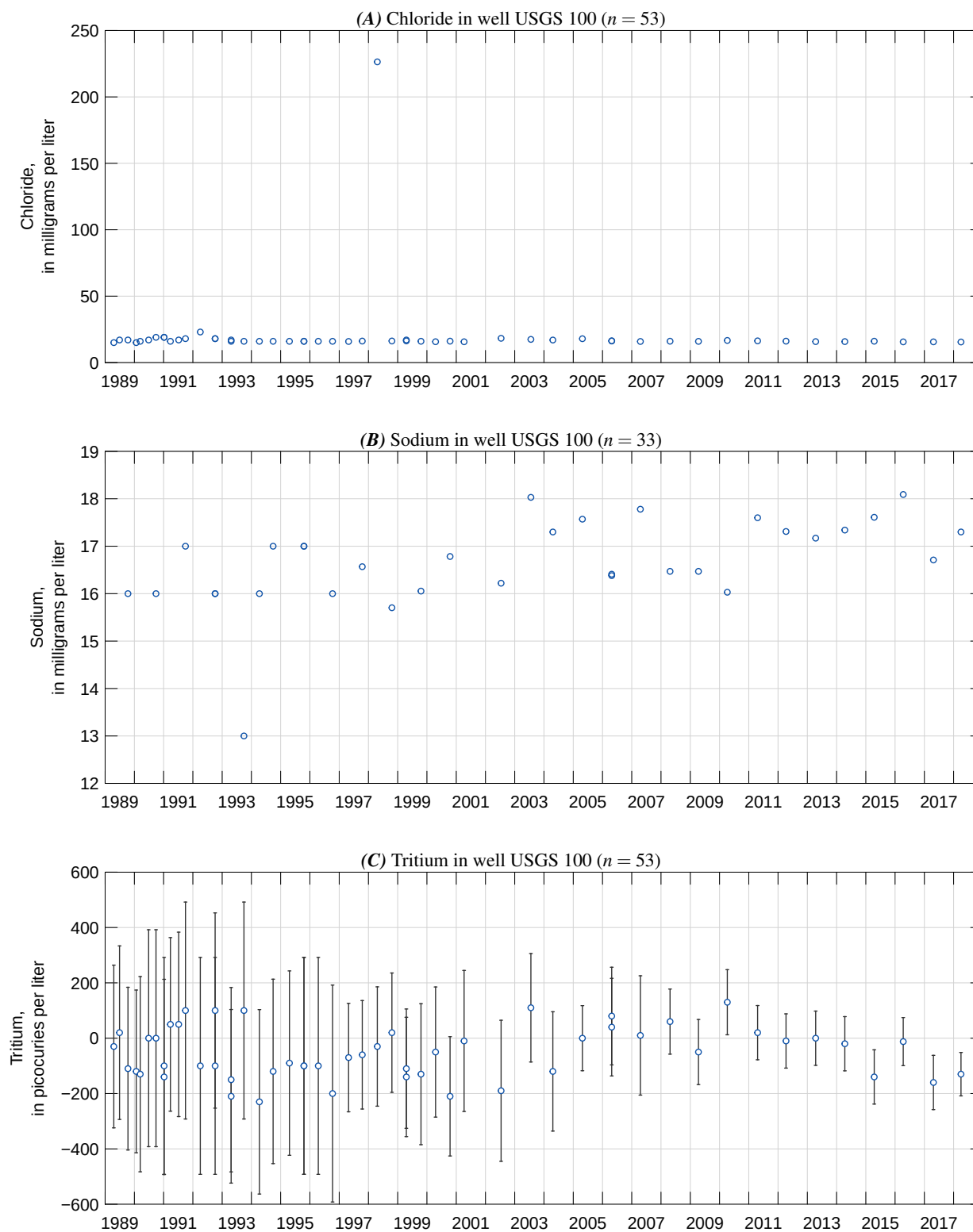


Figure 4.45. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, and (H) chromium concentrations in water collected from well USGS 100 (Site No. 433503112400701), Idaho National Laboratory, Idaho, 1989–2018.

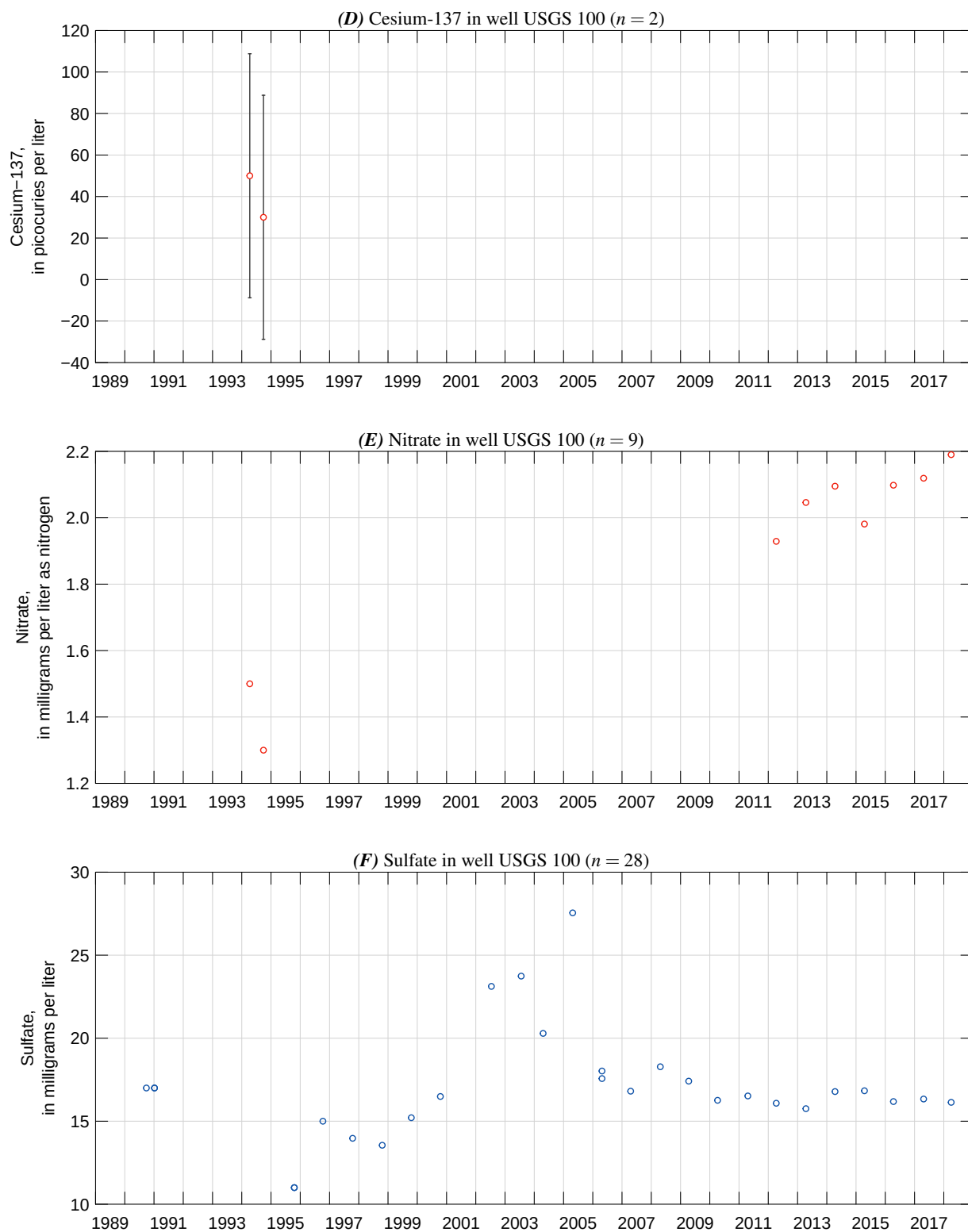


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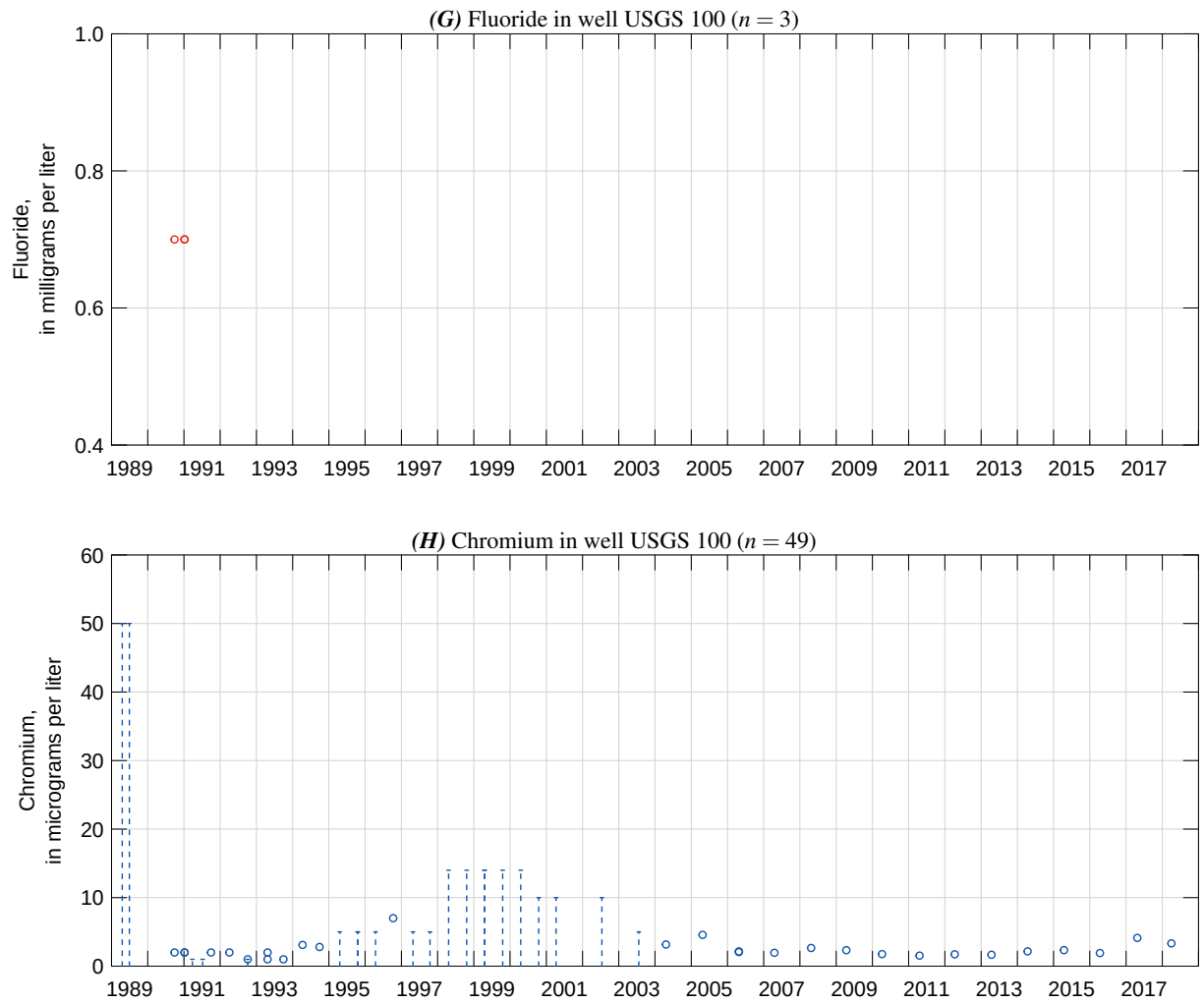


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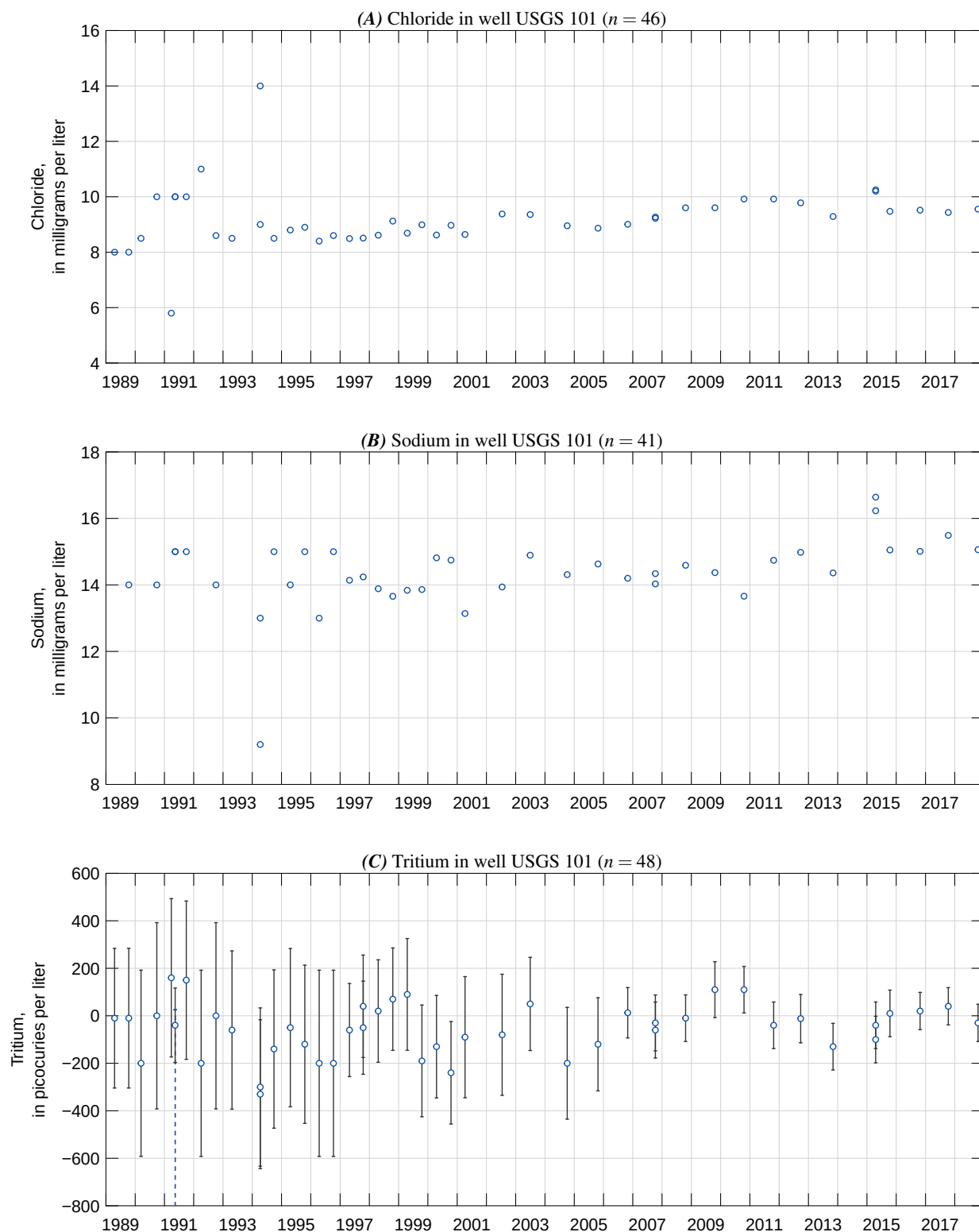


Figure 4.46. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, (R) plutonium-238, (S) alpha particle, and (T) beta particle concentrations in water collected from well USGS 101 (Site No. 433255112381801), Idaho National Laboratory, Idaho, 1989–2018.

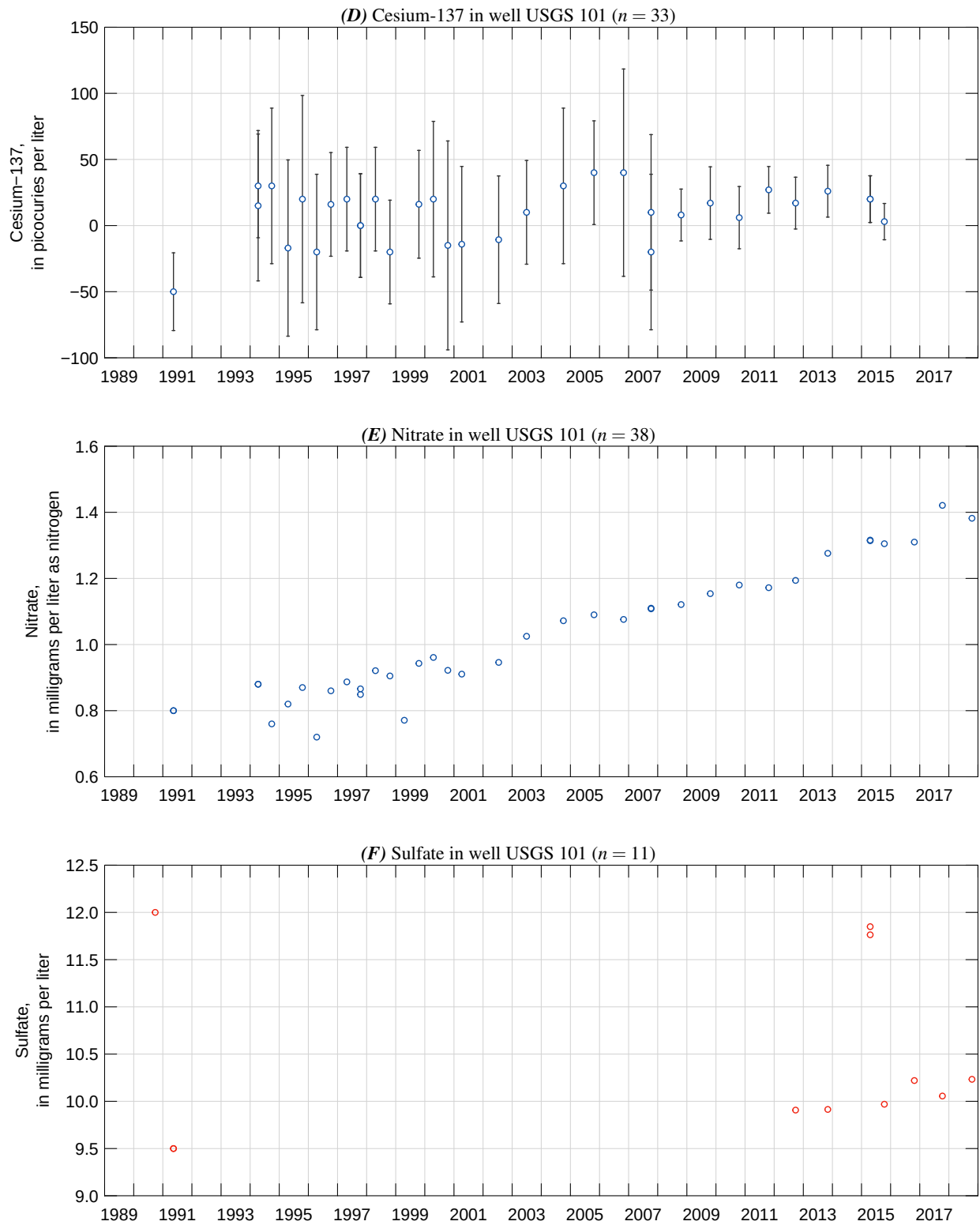


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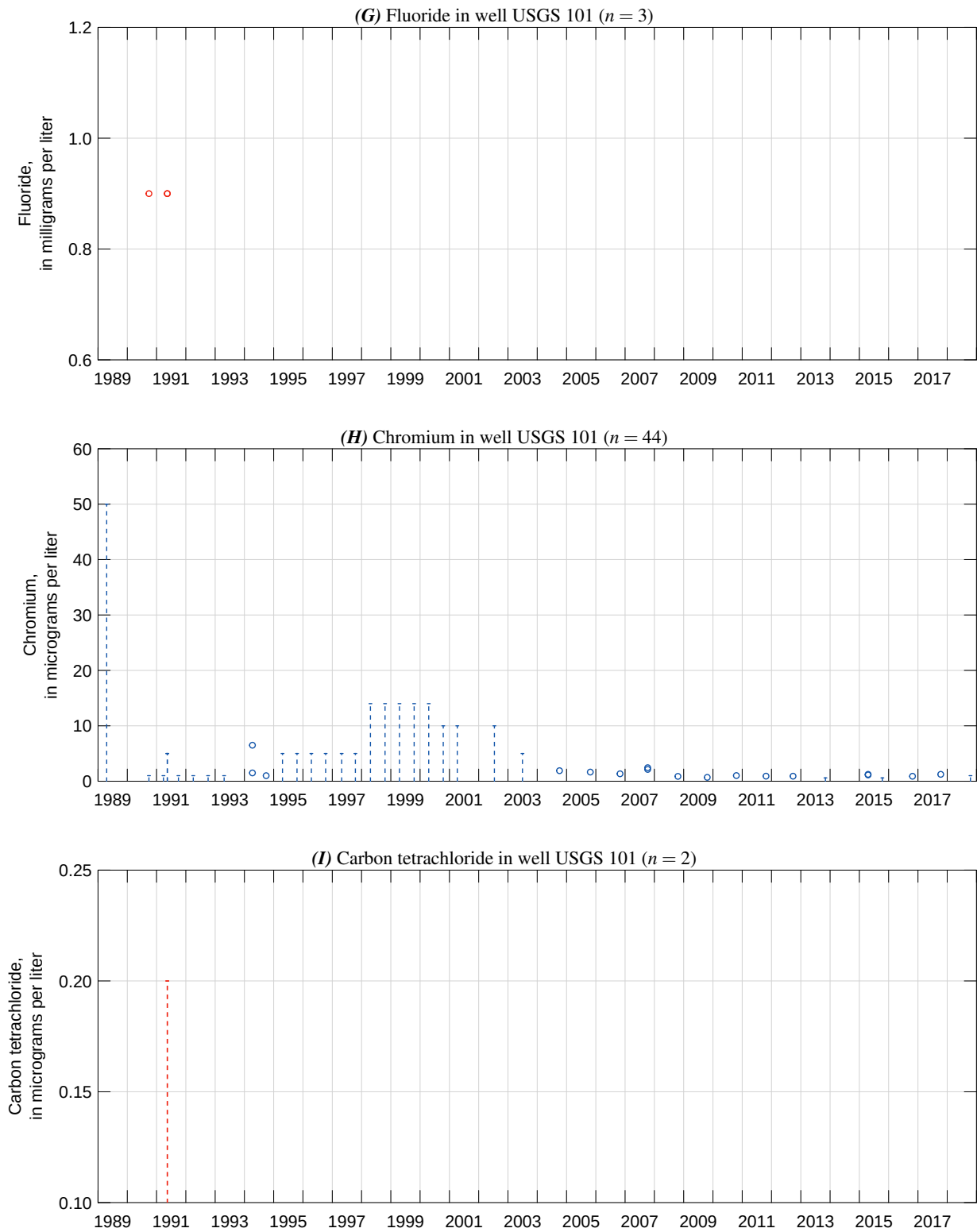


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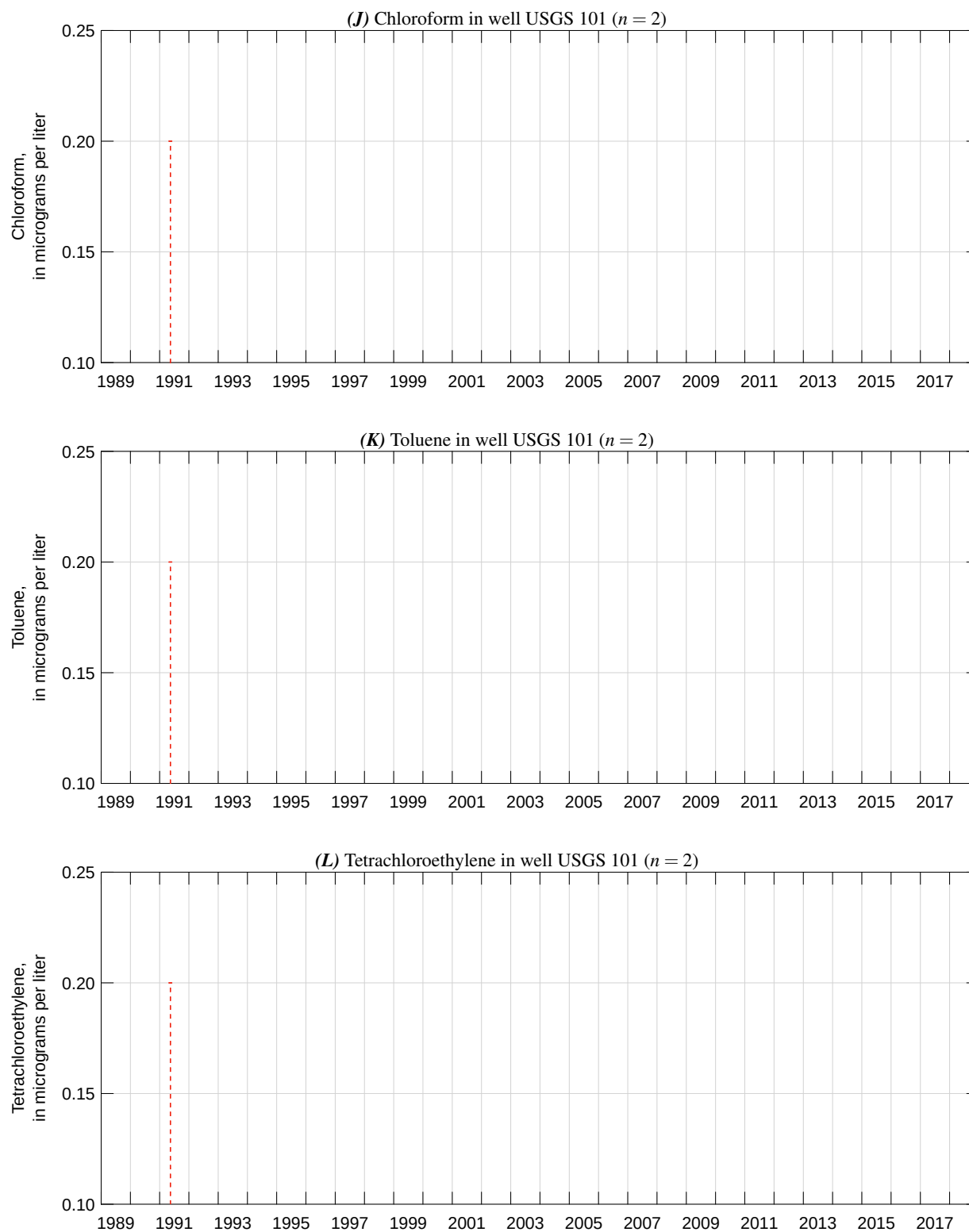


Figure 4.46. —Continued

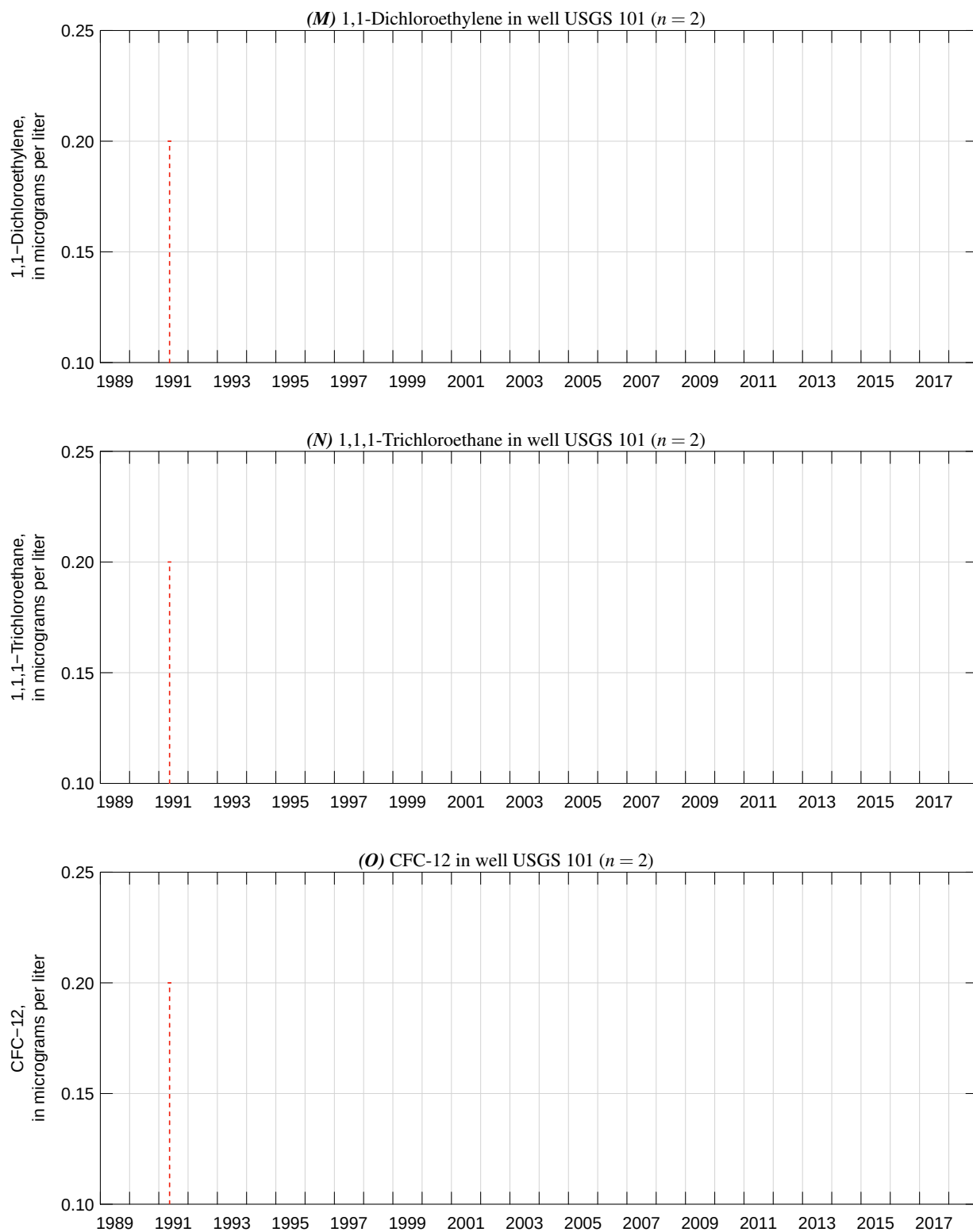


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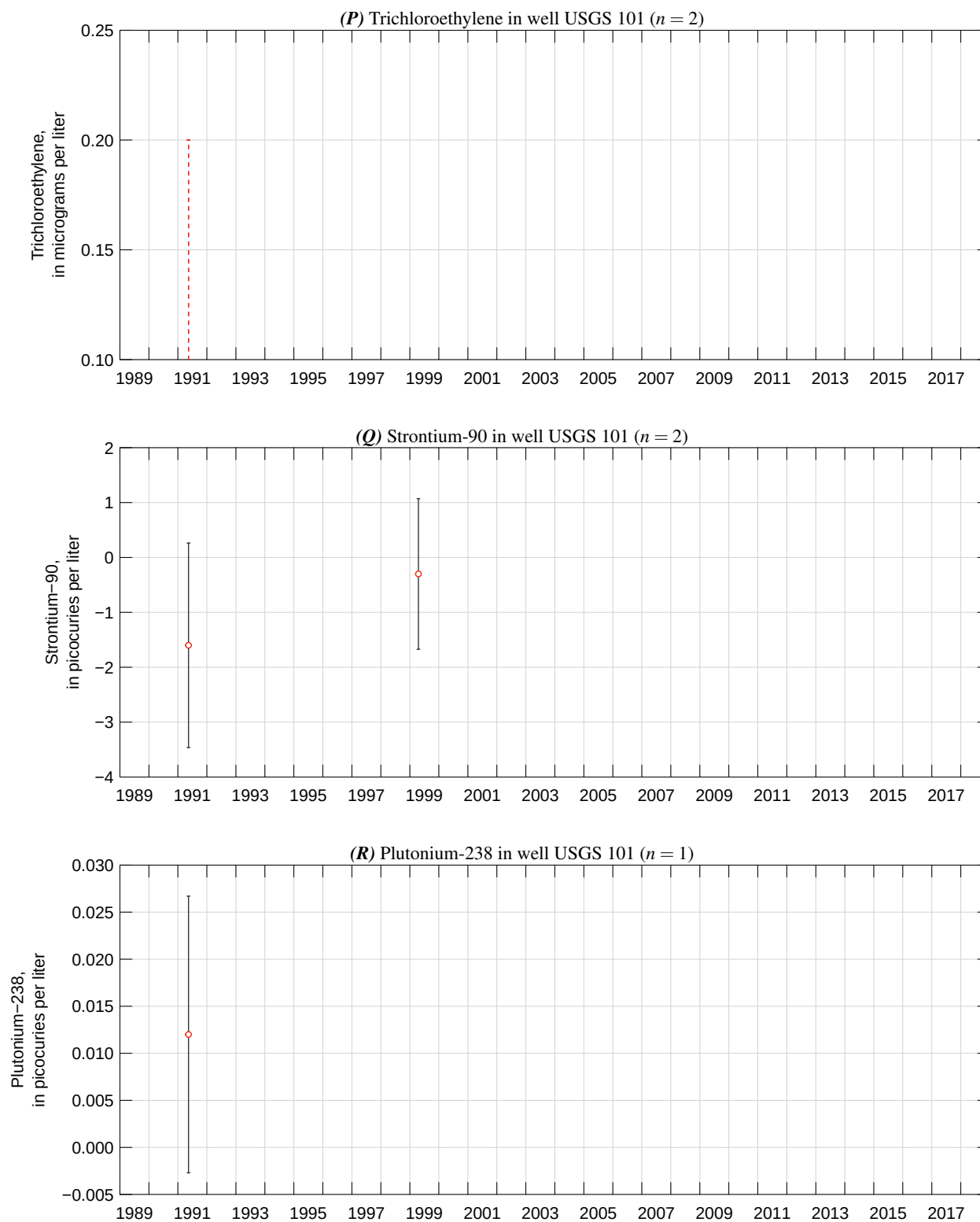


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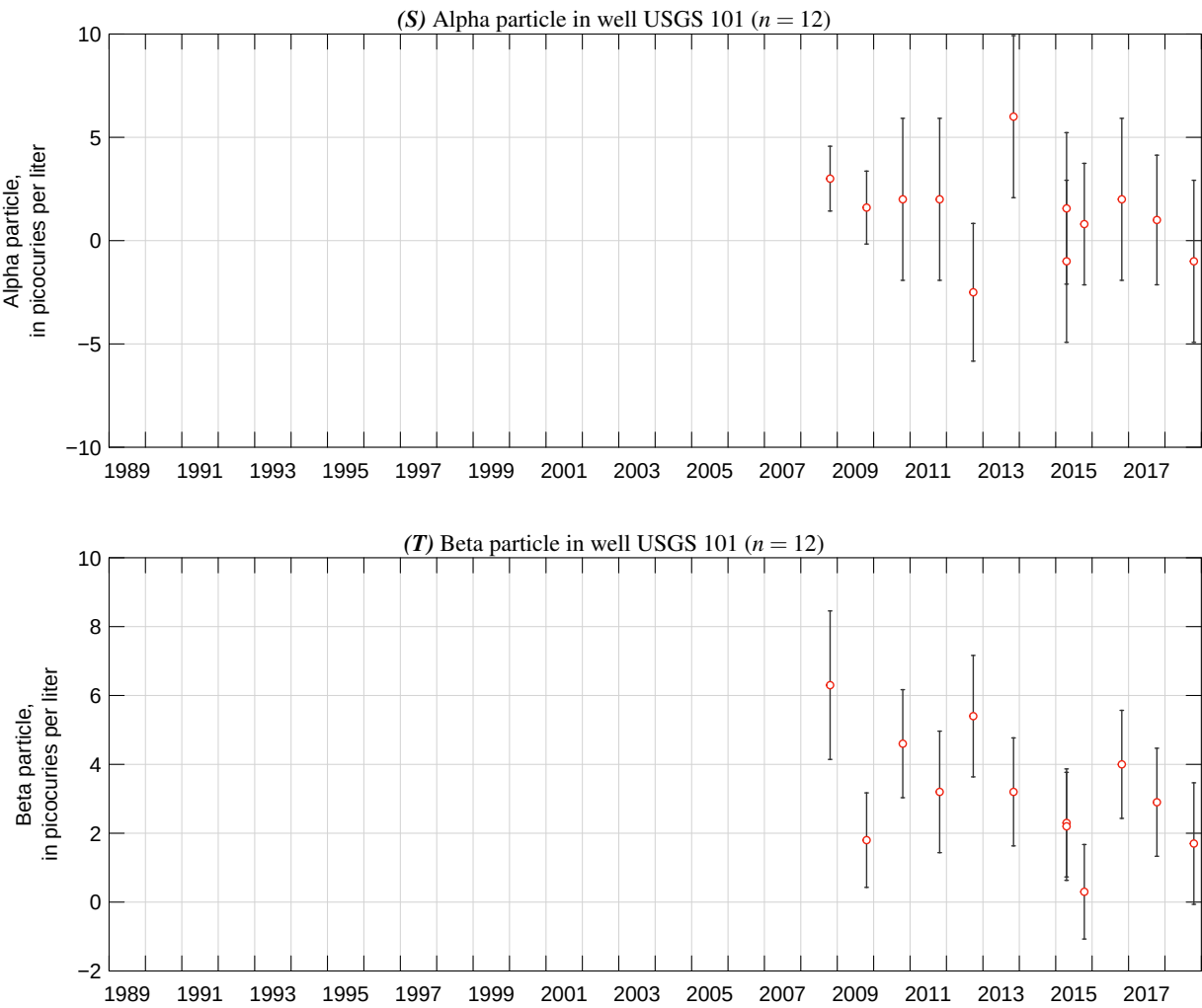


Figure 4.46. —Continued

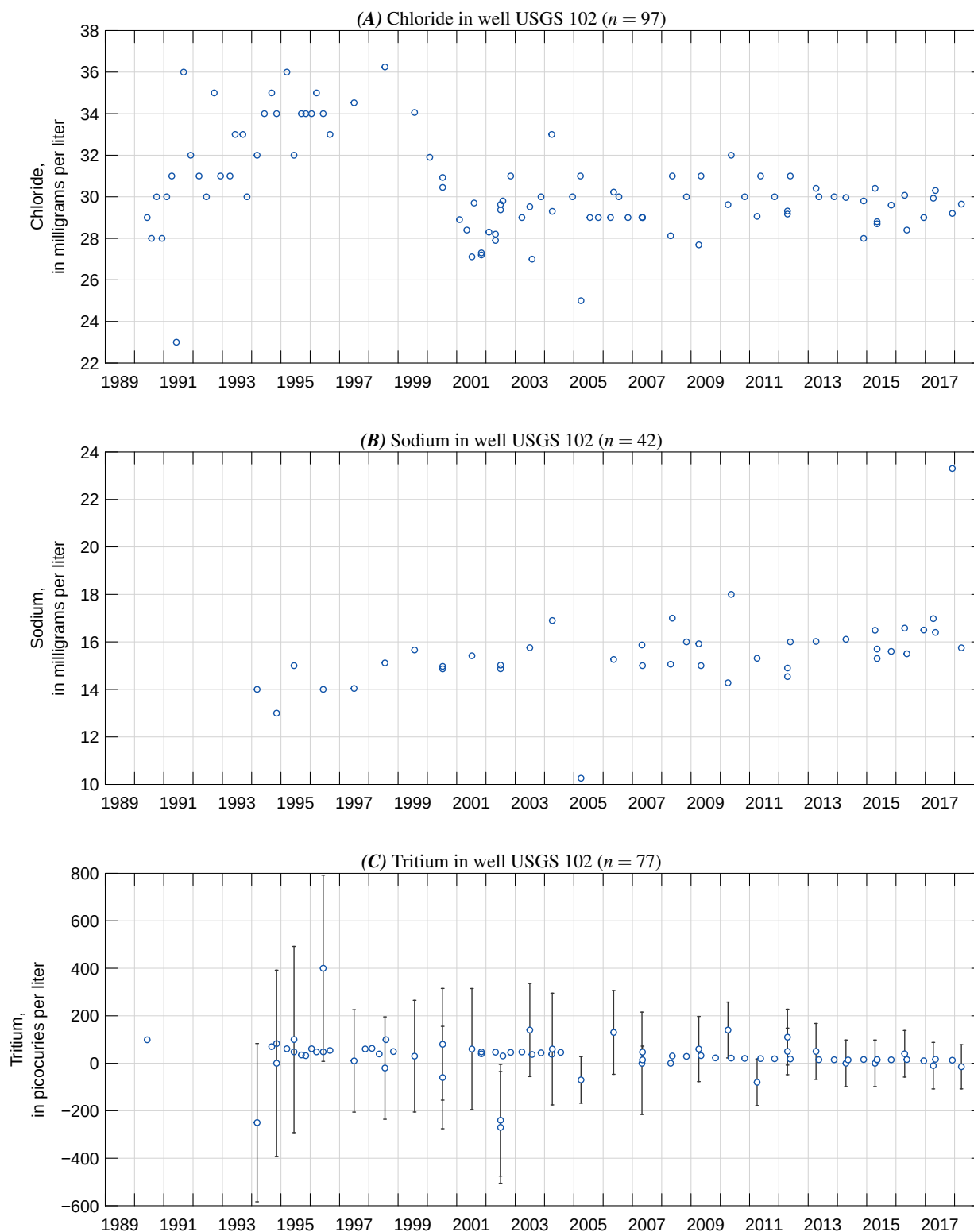


Figure 4.47. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, and (Q) strontium-90 concentrations in water collected from well USGS 102 (Site No. 433853112551601), Idaho National Laboratory, Idaho, 1989–2018.

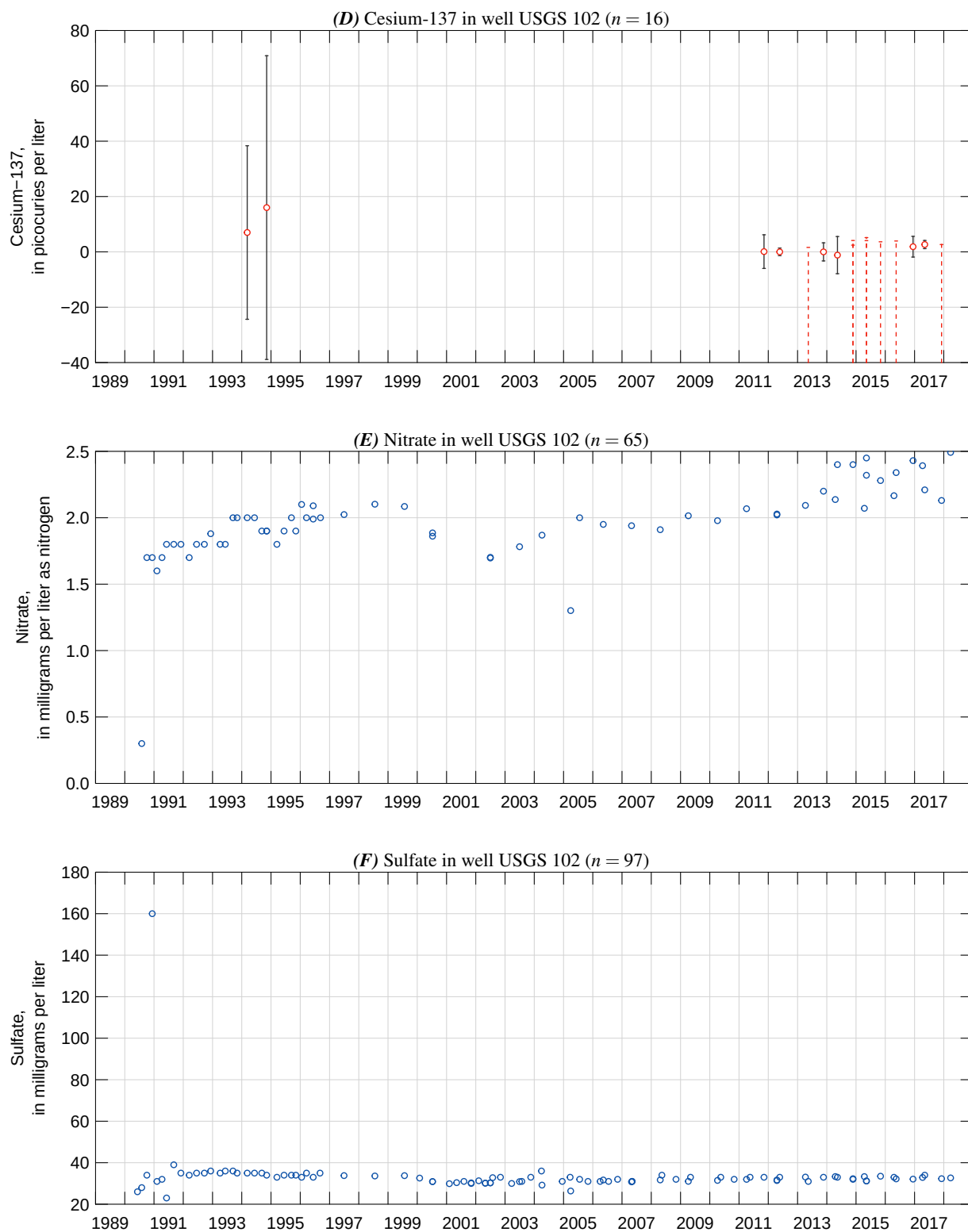


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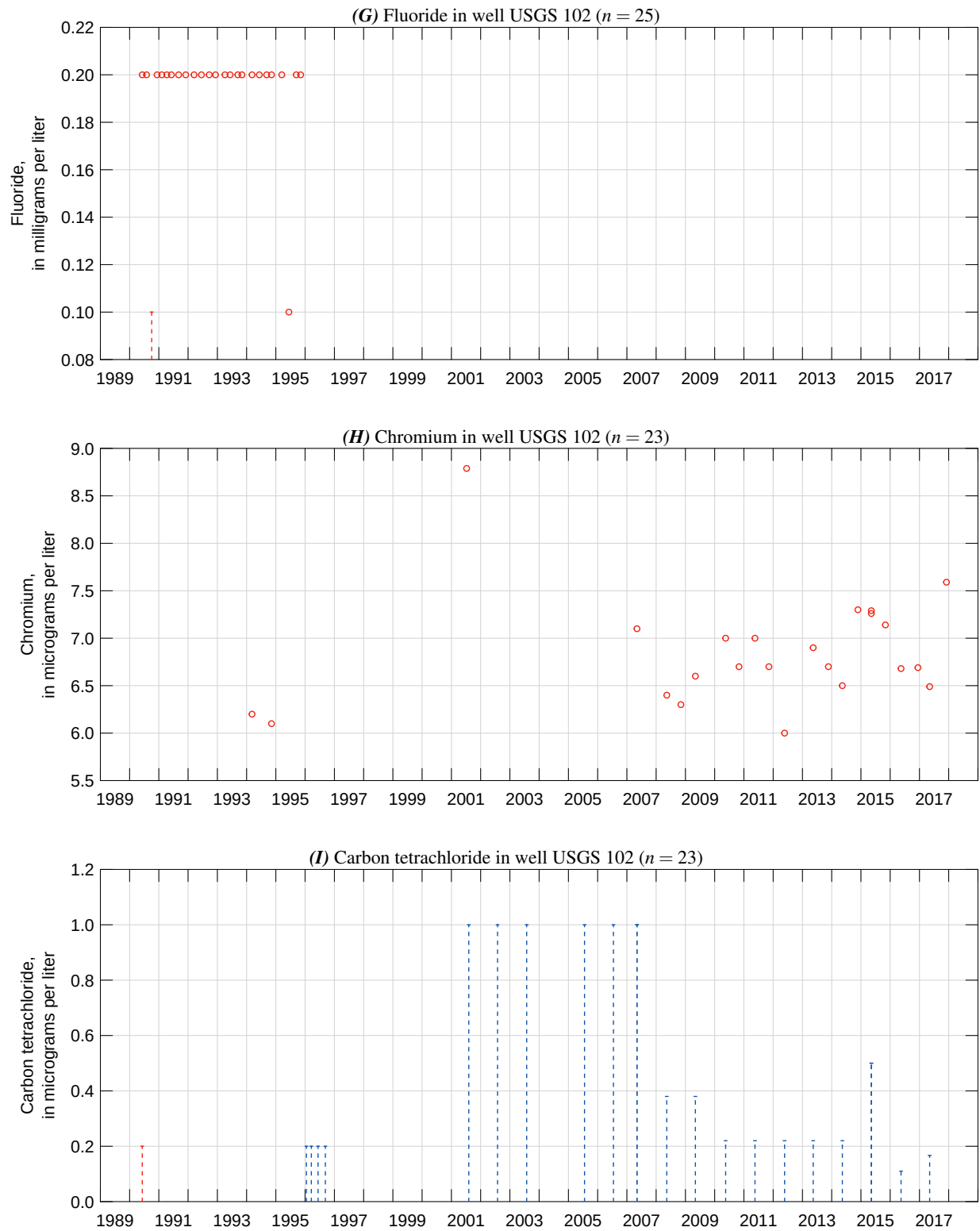


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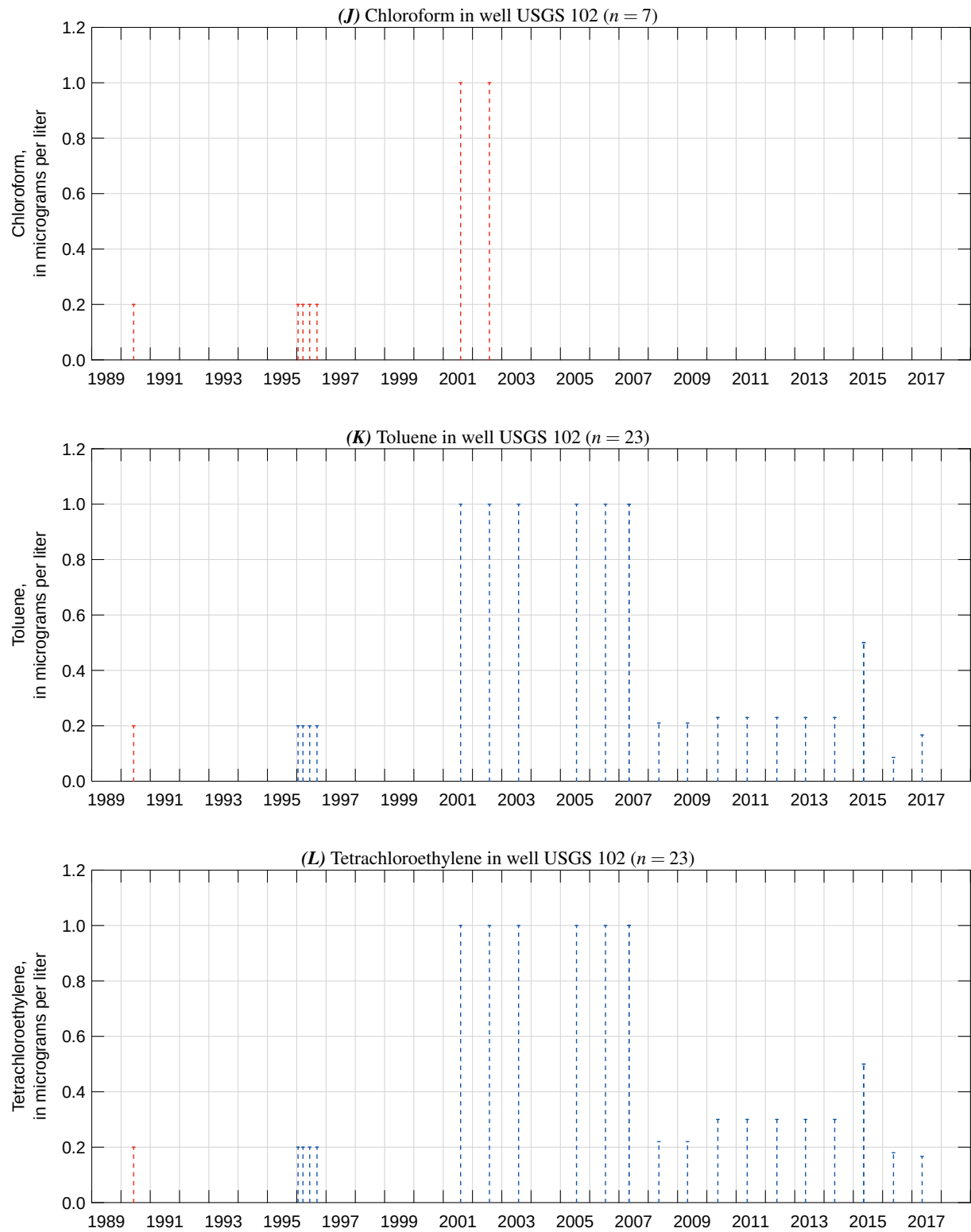


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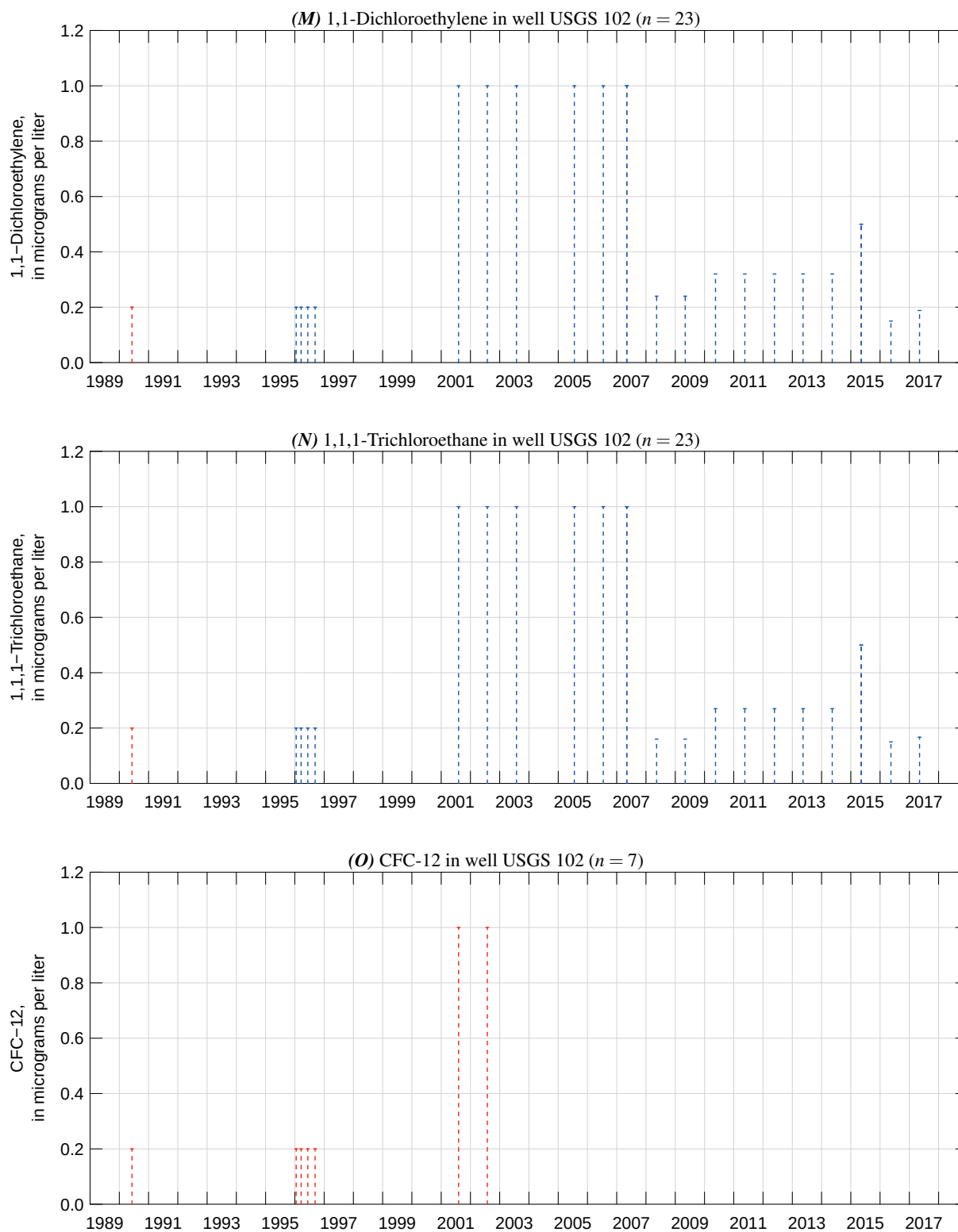


Figure 4.47. —Continued

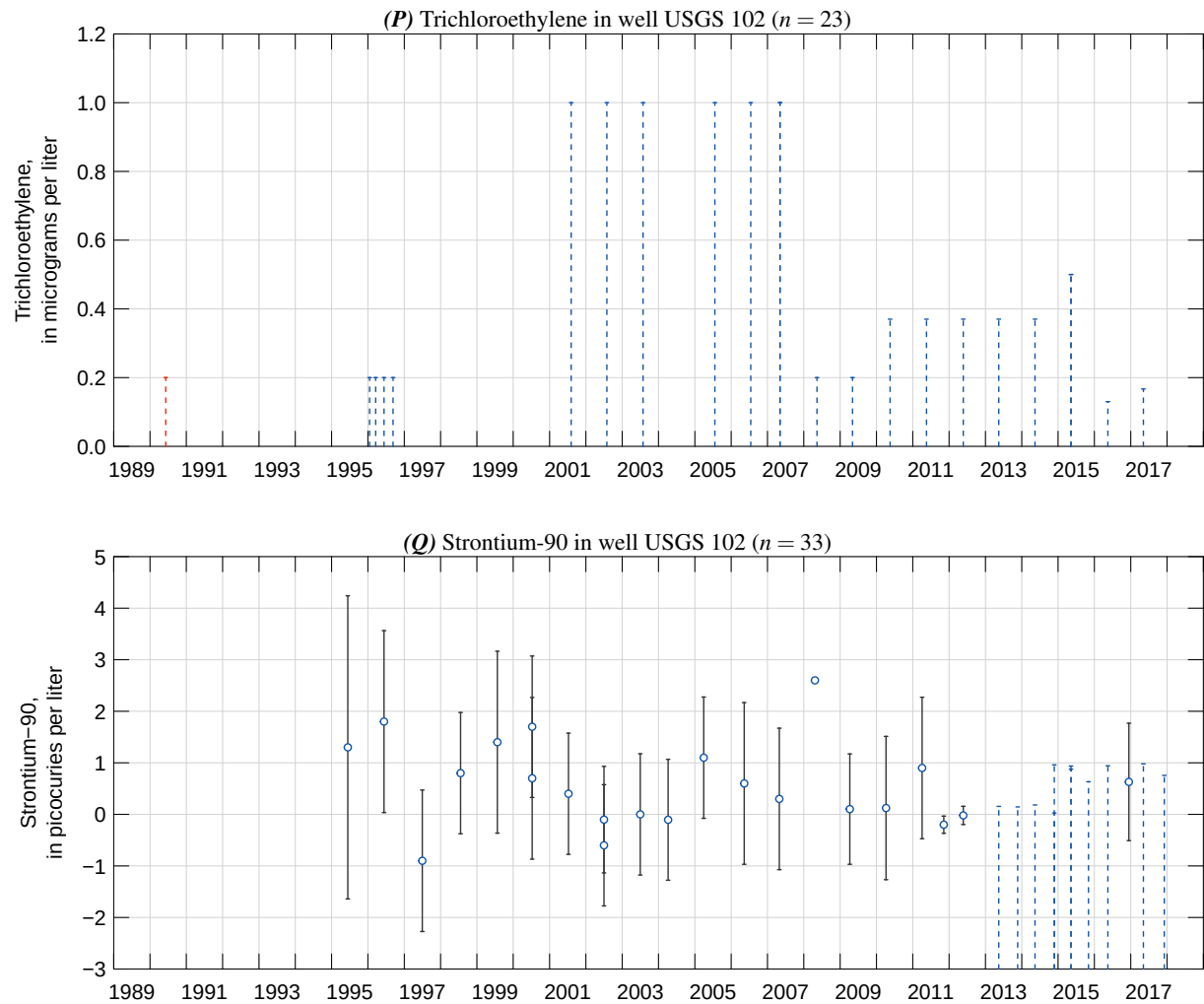


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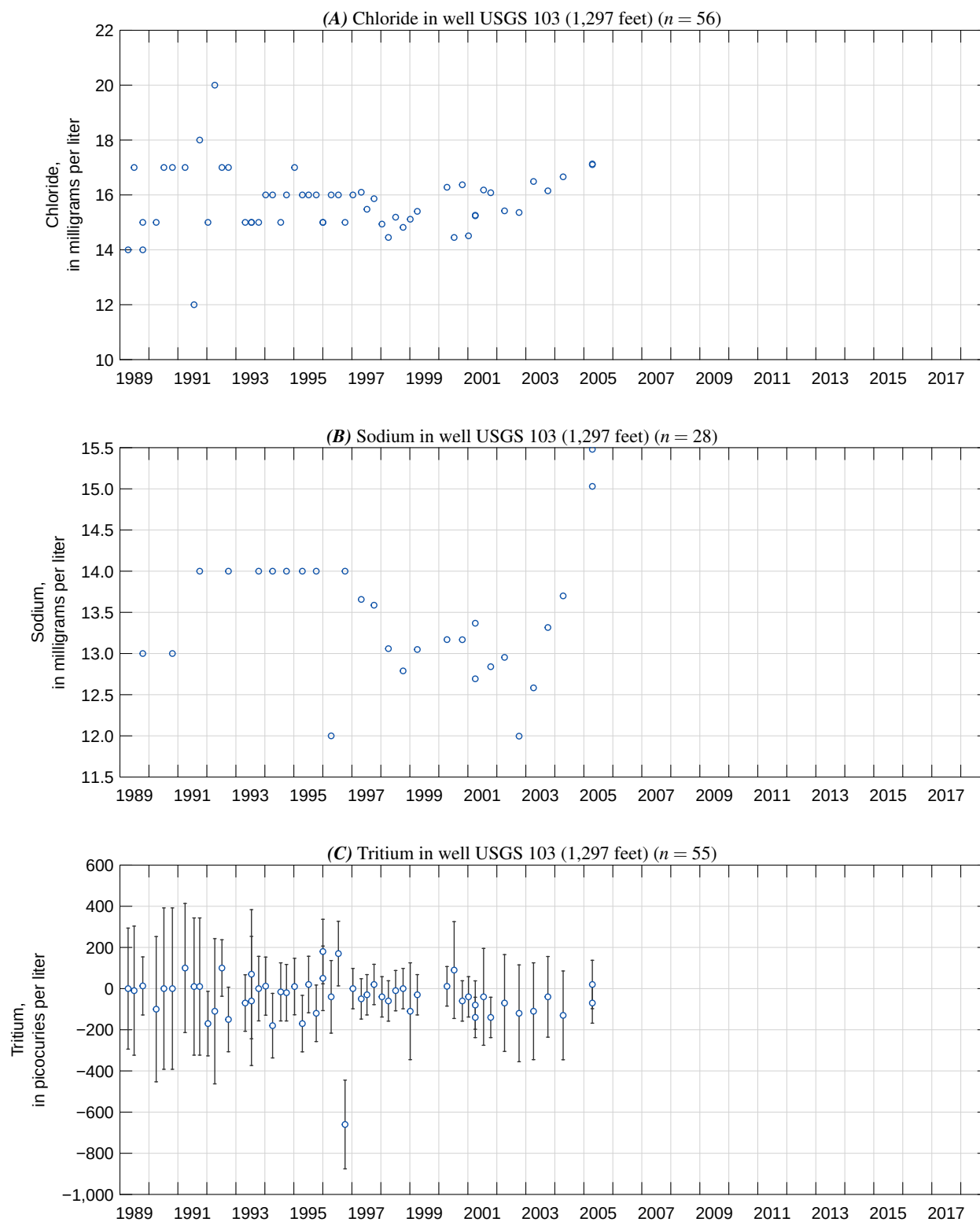


Figure 4.48. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, and (H) chromium concentrations in water collected from well USGS 103 (1,297 feet) (Site No. 432714112560701), Idaho National Laboratory, Idaho, 1989–2018.

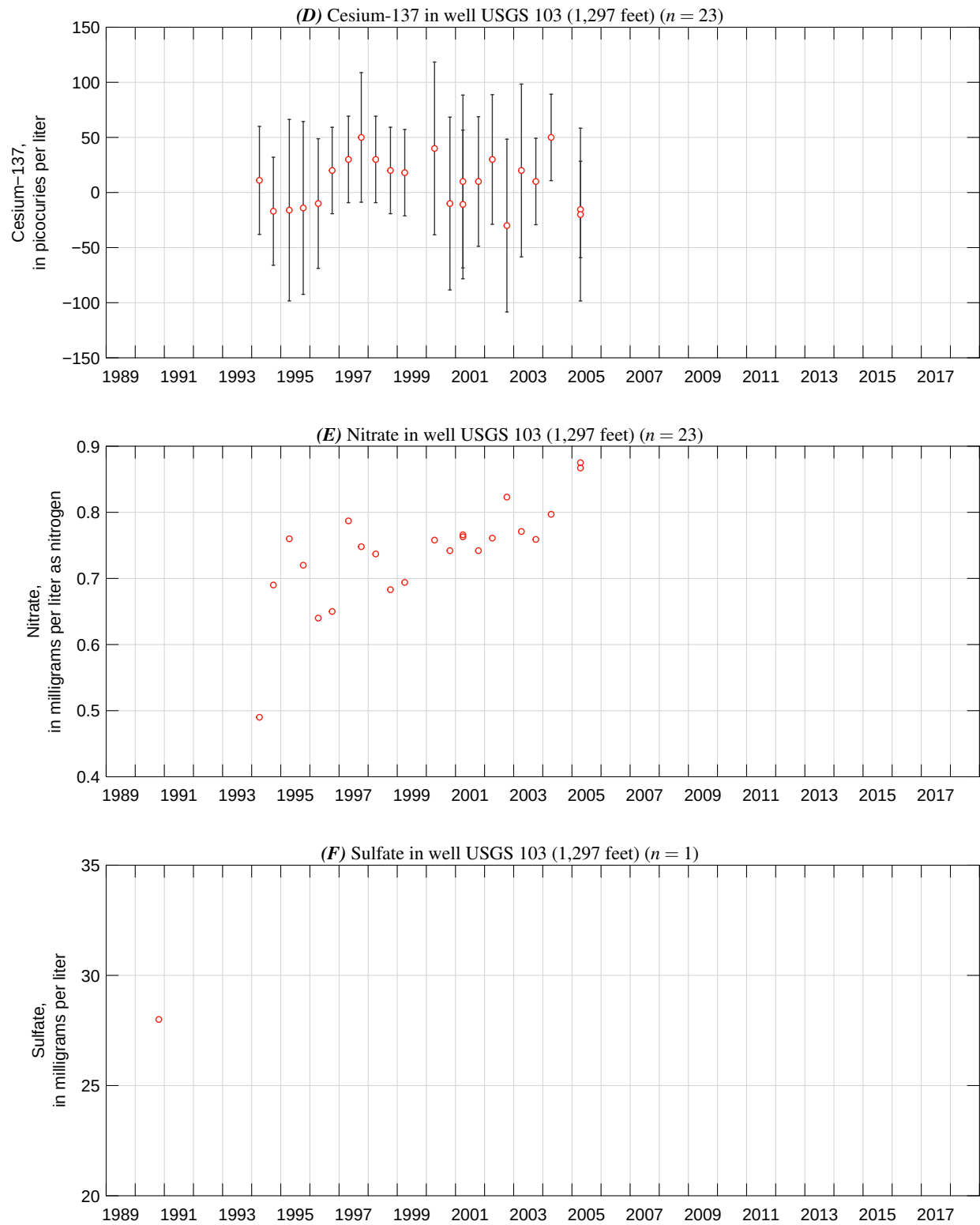
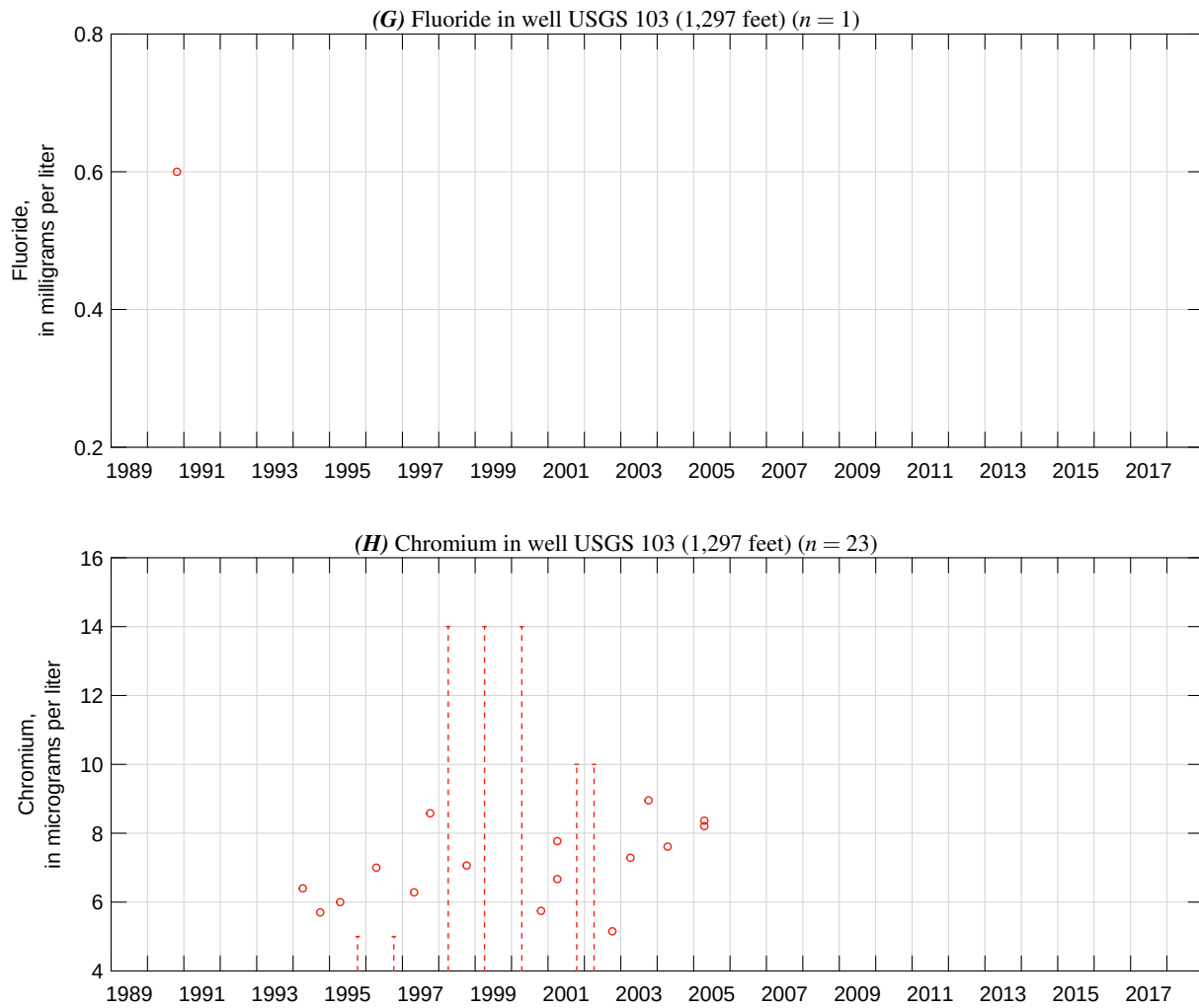


Figure 4.48. —Continued

**Figure 4.48.** —Continued

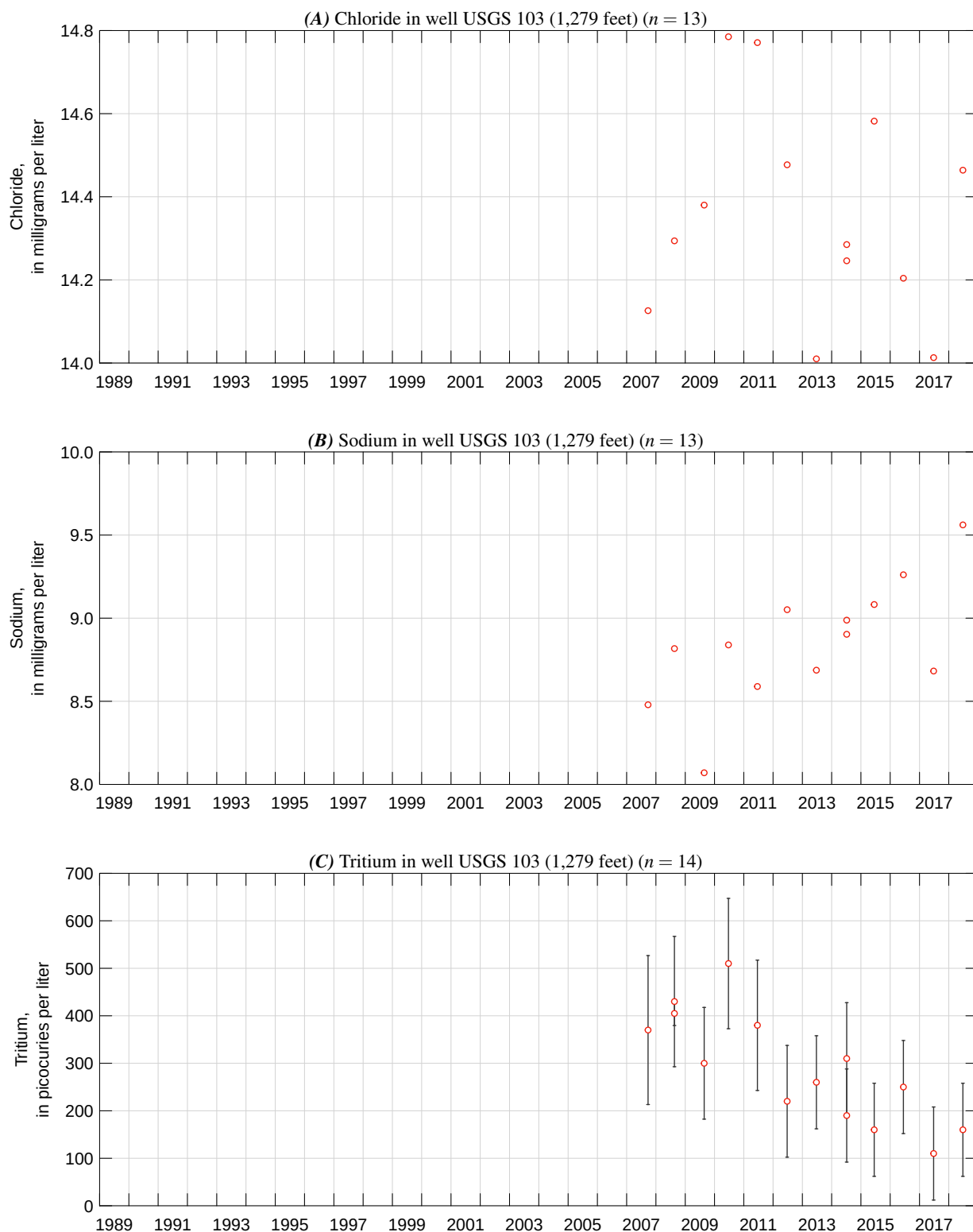


Figure 4.49. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) strontium-90, (J) plutonium-238, (K) alpha particle, and (L) beta particle concentrations in water collected from well USGS 103 (1,279 feet) (Site No. 432714112560702), Idaho National Laboratory, Idaho, 1989–2018.

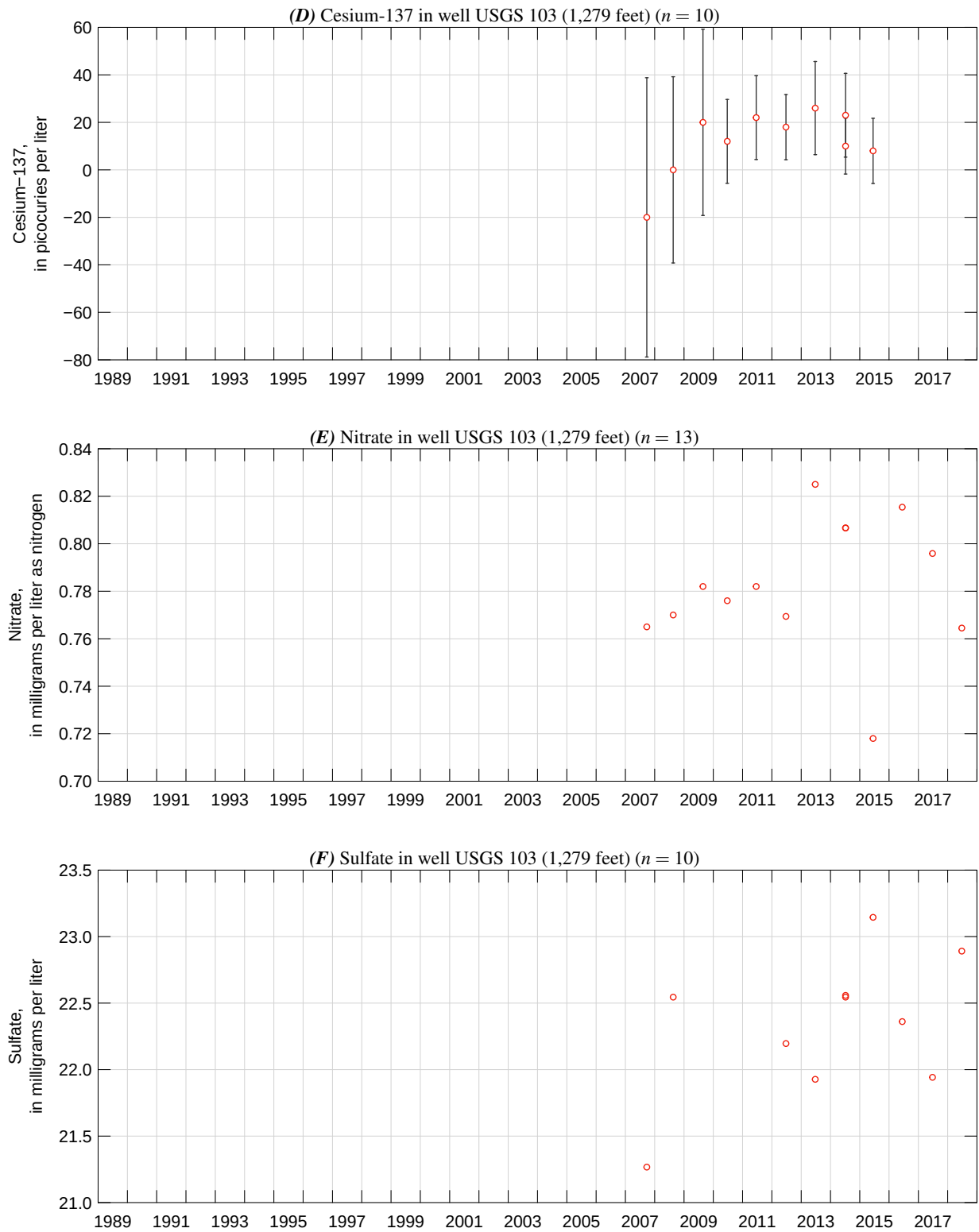


Figure 4.49. —Continued

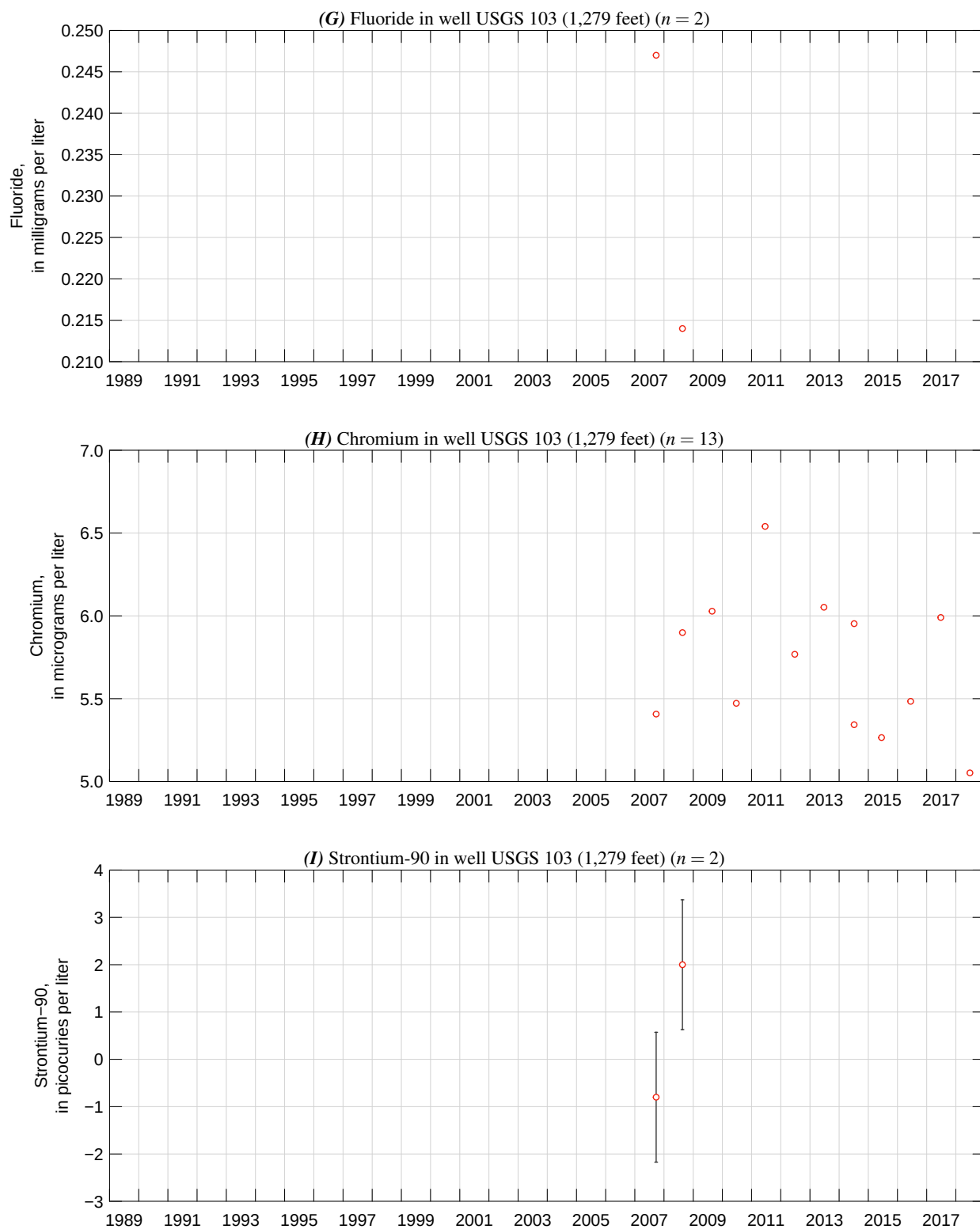


Figure 4.49. —Continued

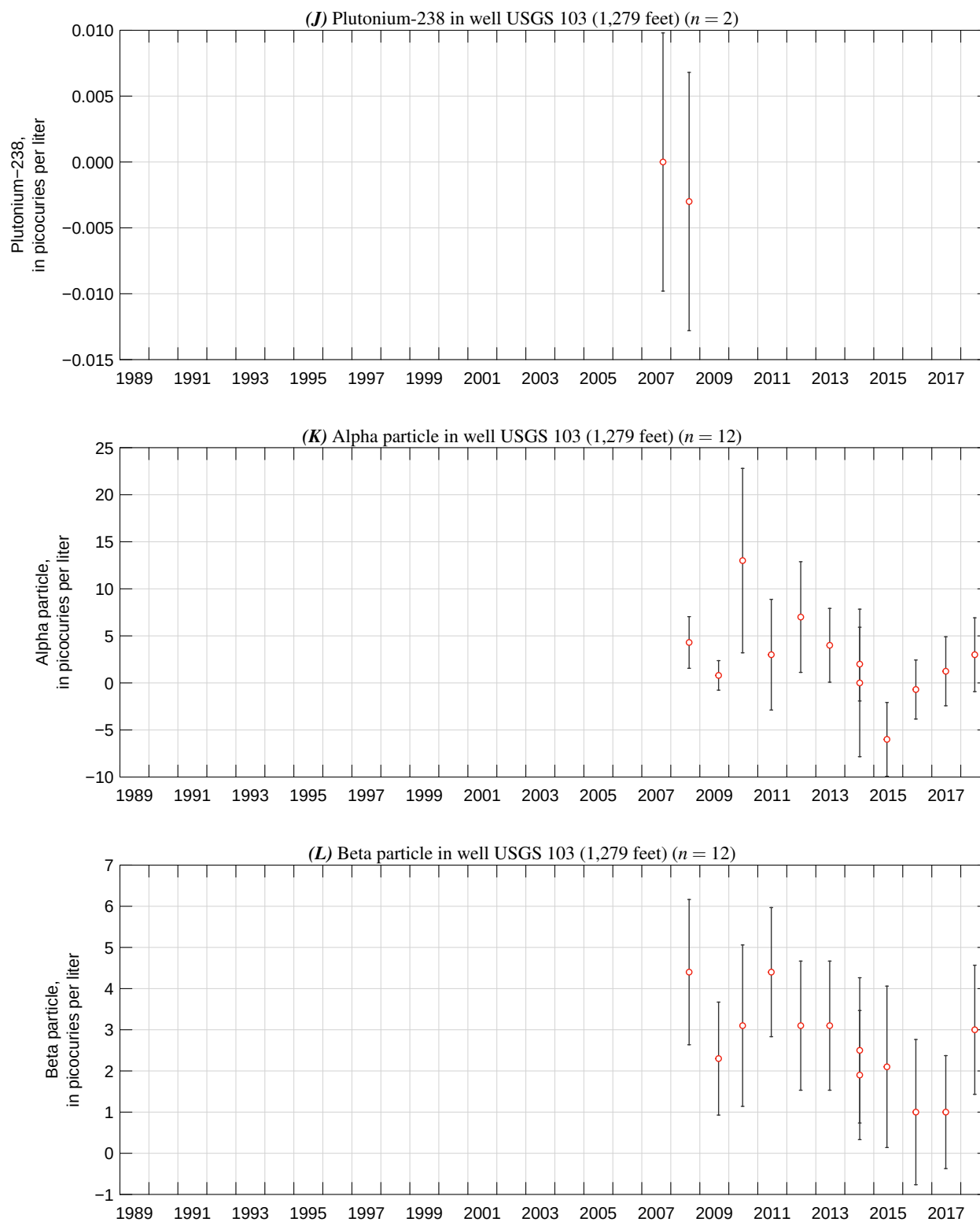


Figure 4.49. —Continued

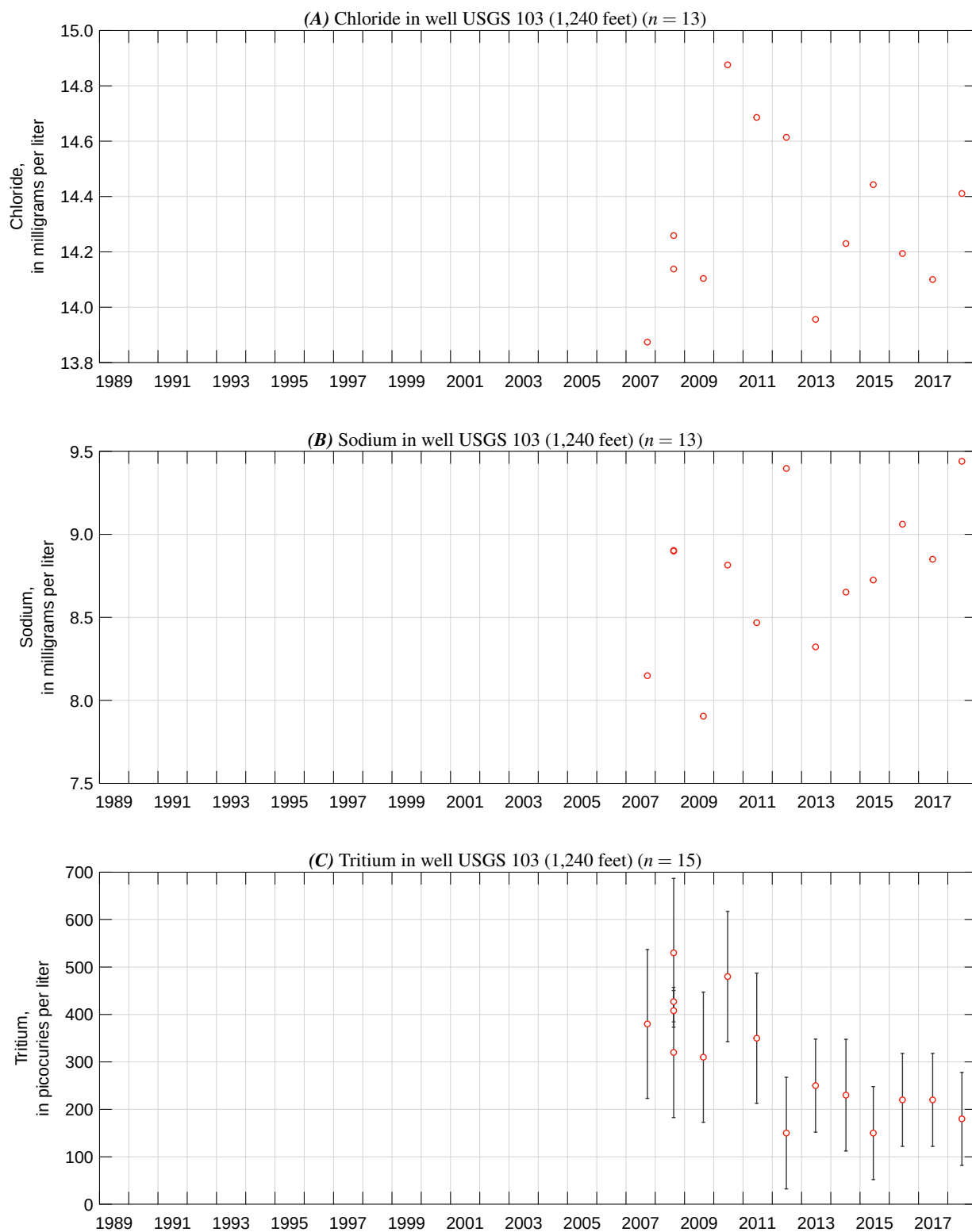


Figure 4.50. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) strontium-90, (J) plutonium-238, (K) alpha particle, and (L) beta particle concentrations in water collected from well USGS 103 (1,240 feet) (Site No. 432714112560704), Idaho National Laboratory, Idaho, 1989–2018.

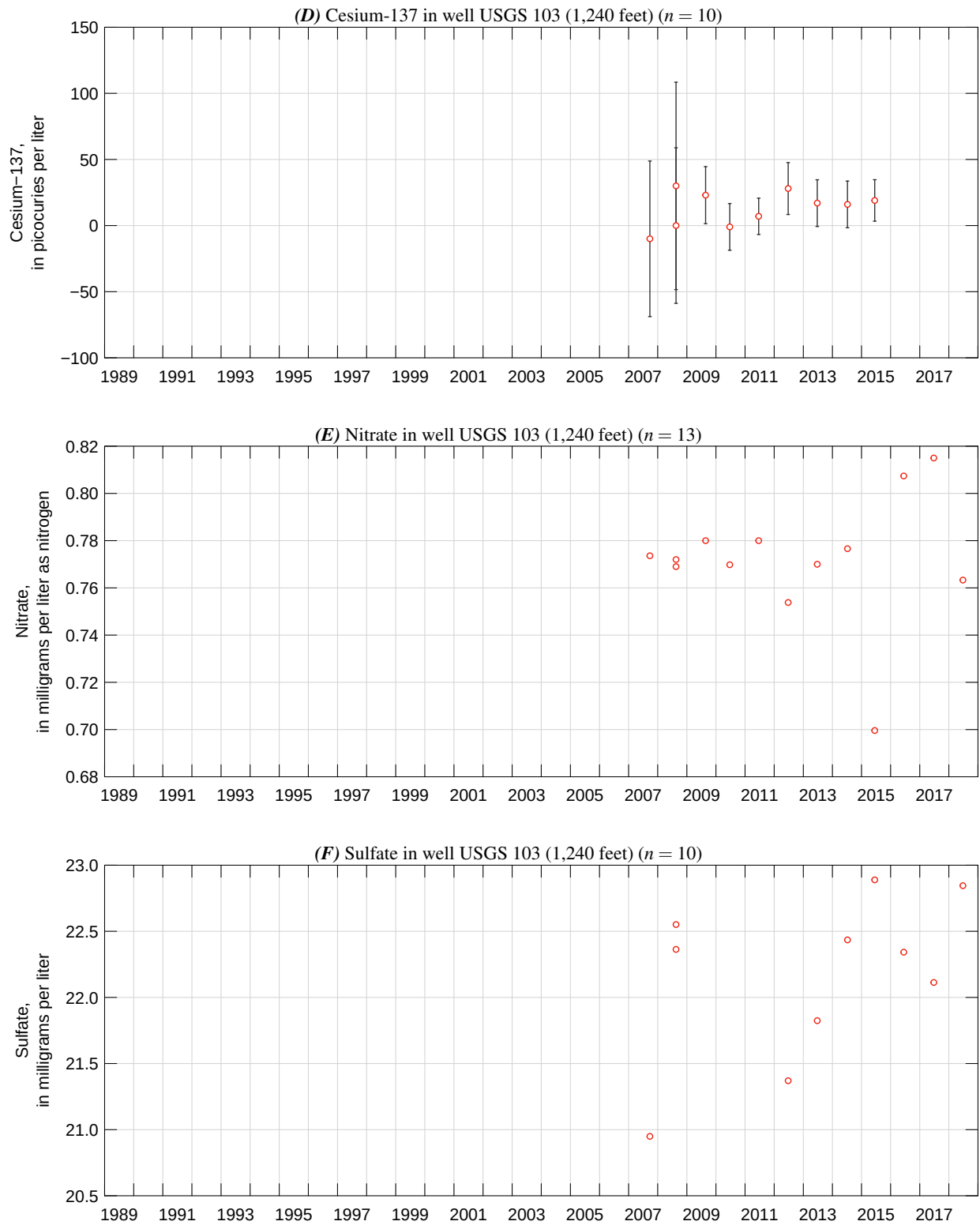


Figure 4.50. —Continued

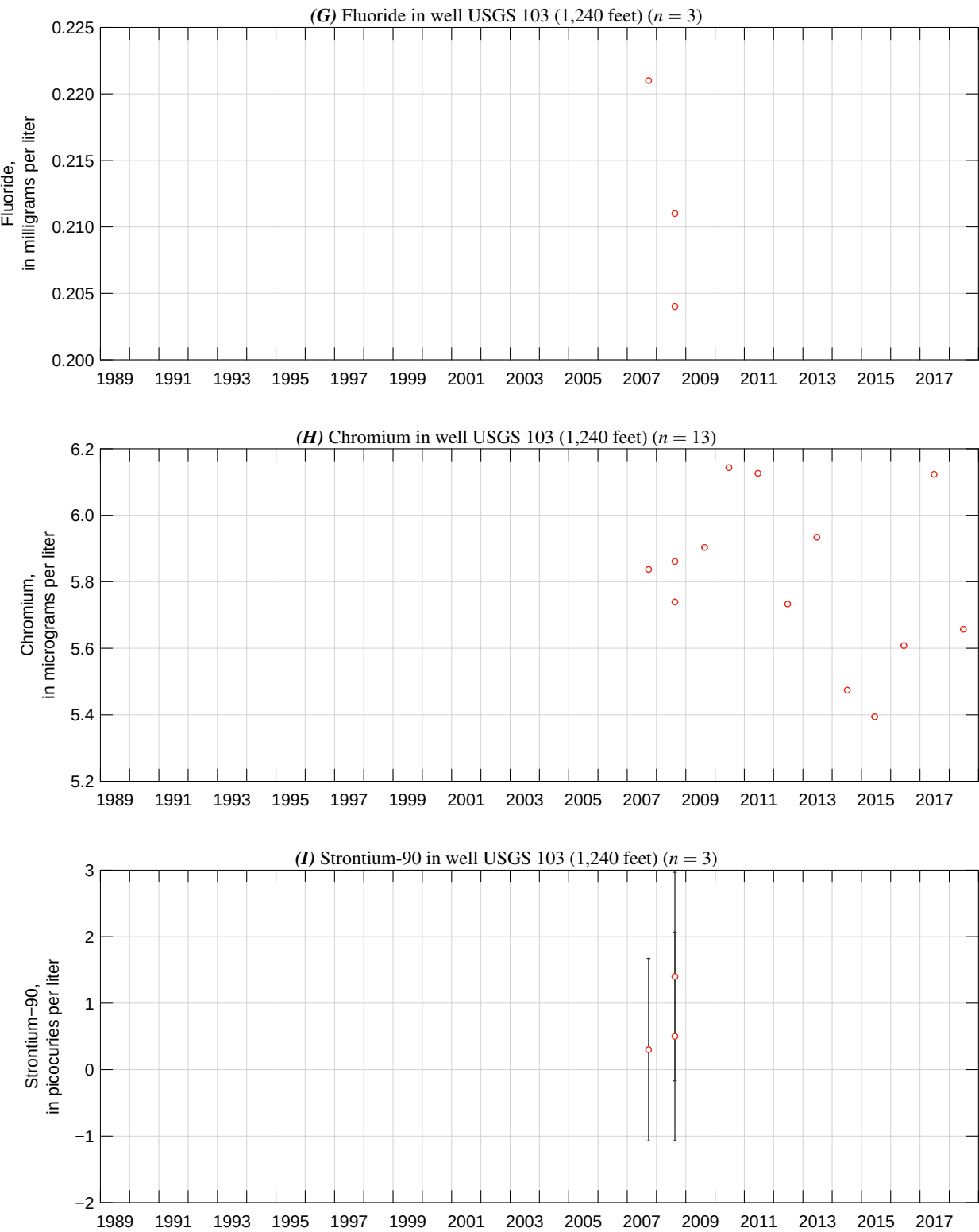


Figure 4.50. —Continued

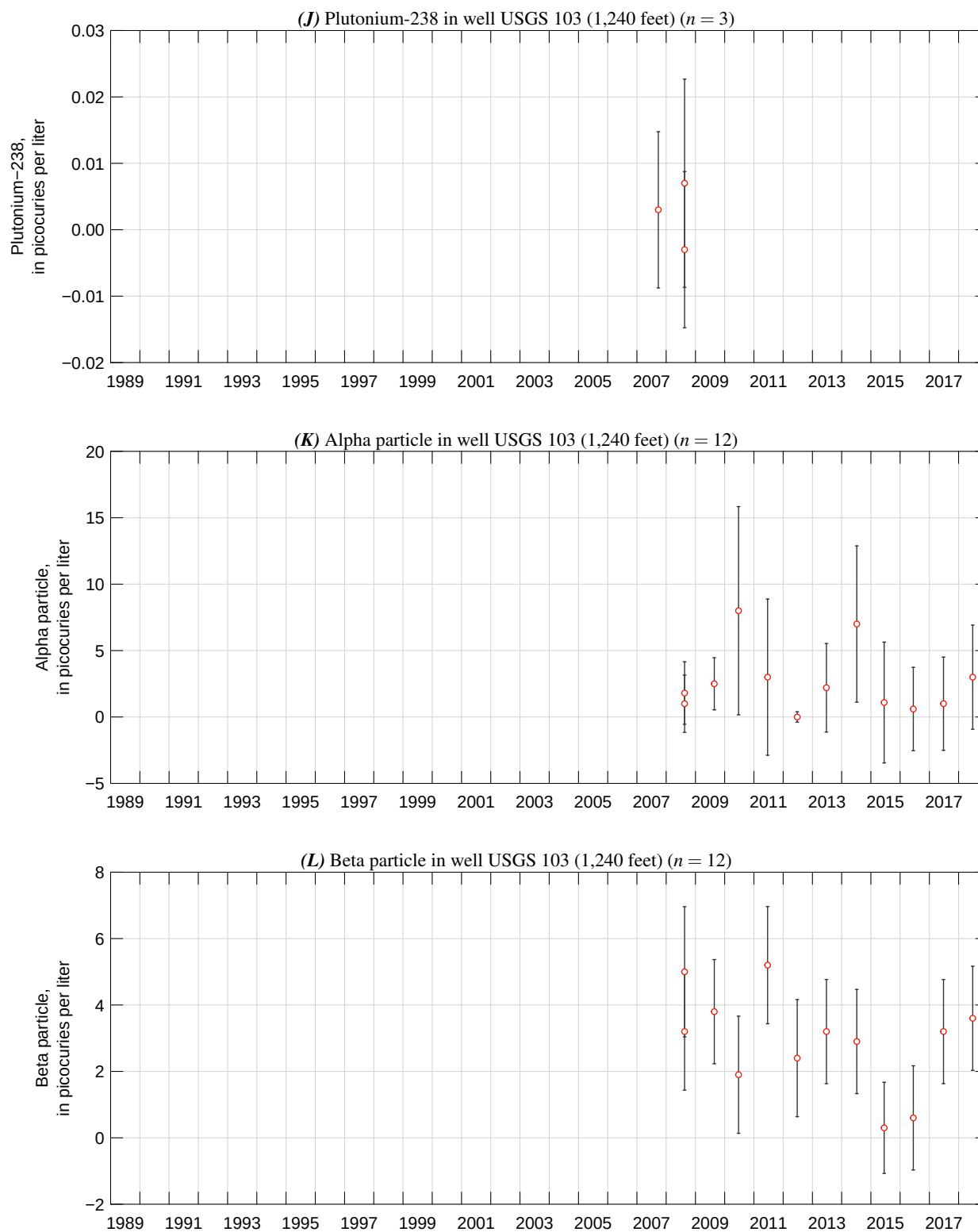


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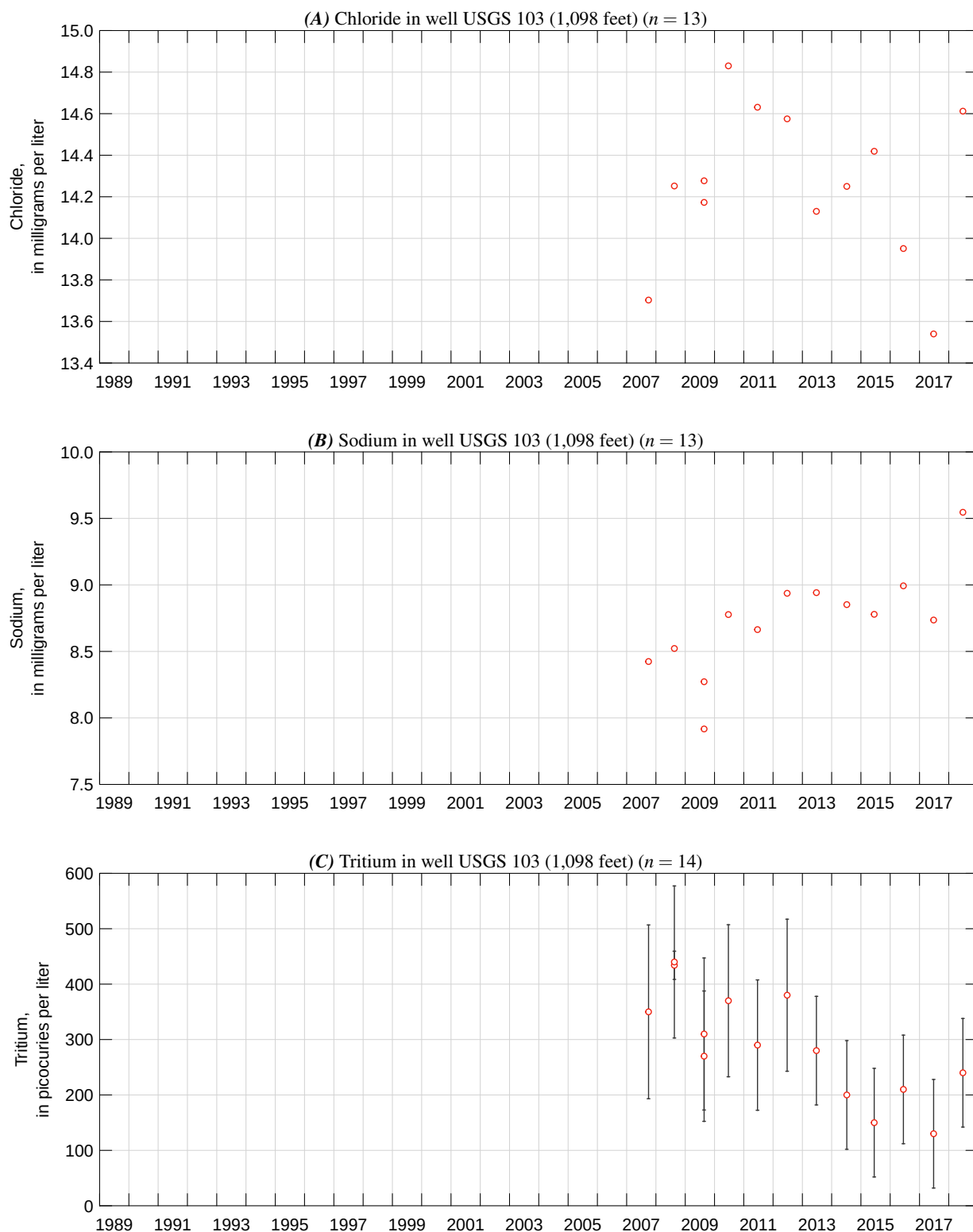


Figure 4.51. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) strontium-90, (J) plutonium-238, (K) alpha particle, and (L) beta particle concentrations in water collected from well USGS 103 (1,098 feet) (Site No. 432714112560708), Idaho National Laboratory, Idaho, 1989–2018.

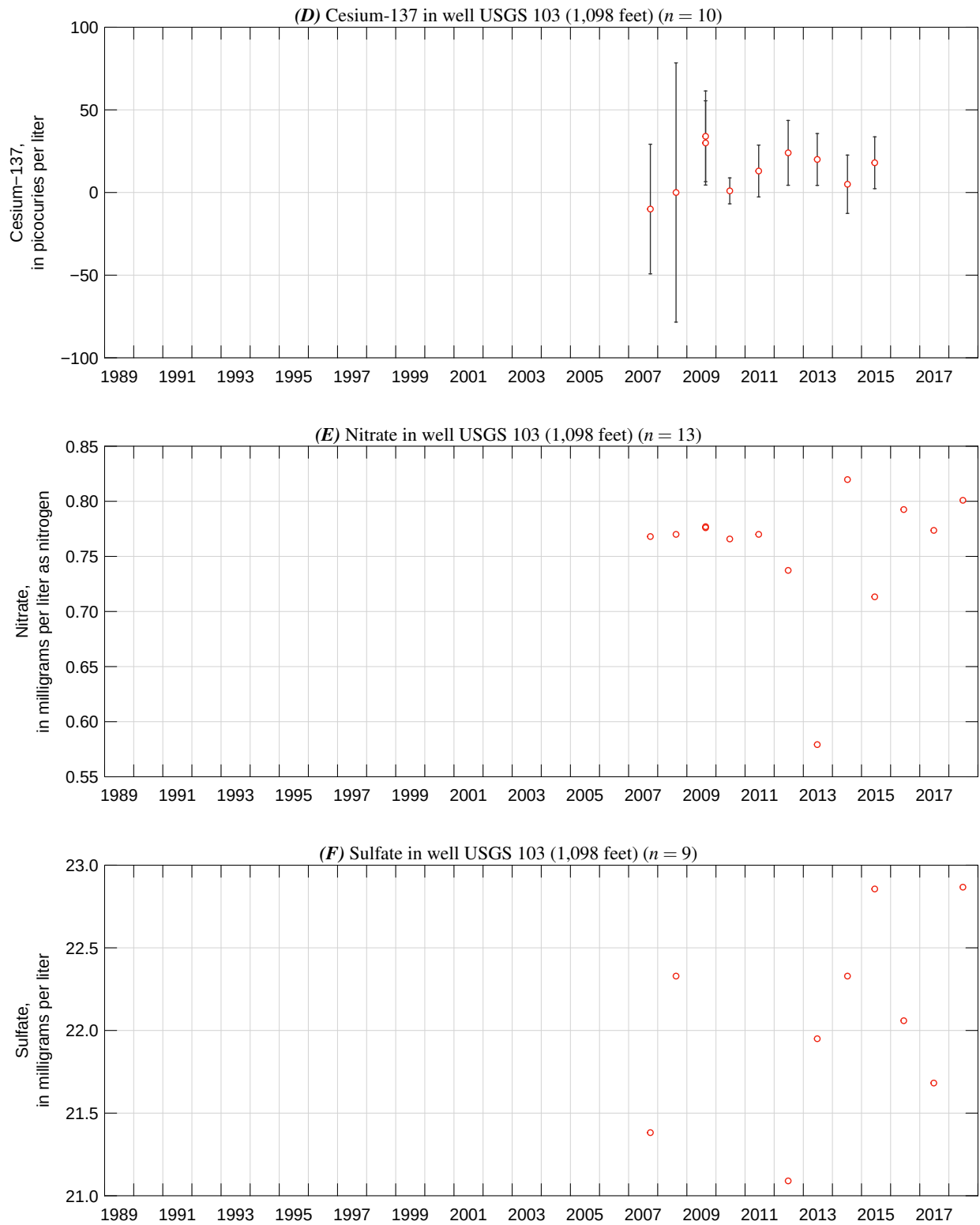


Figure 4.51. —Continued

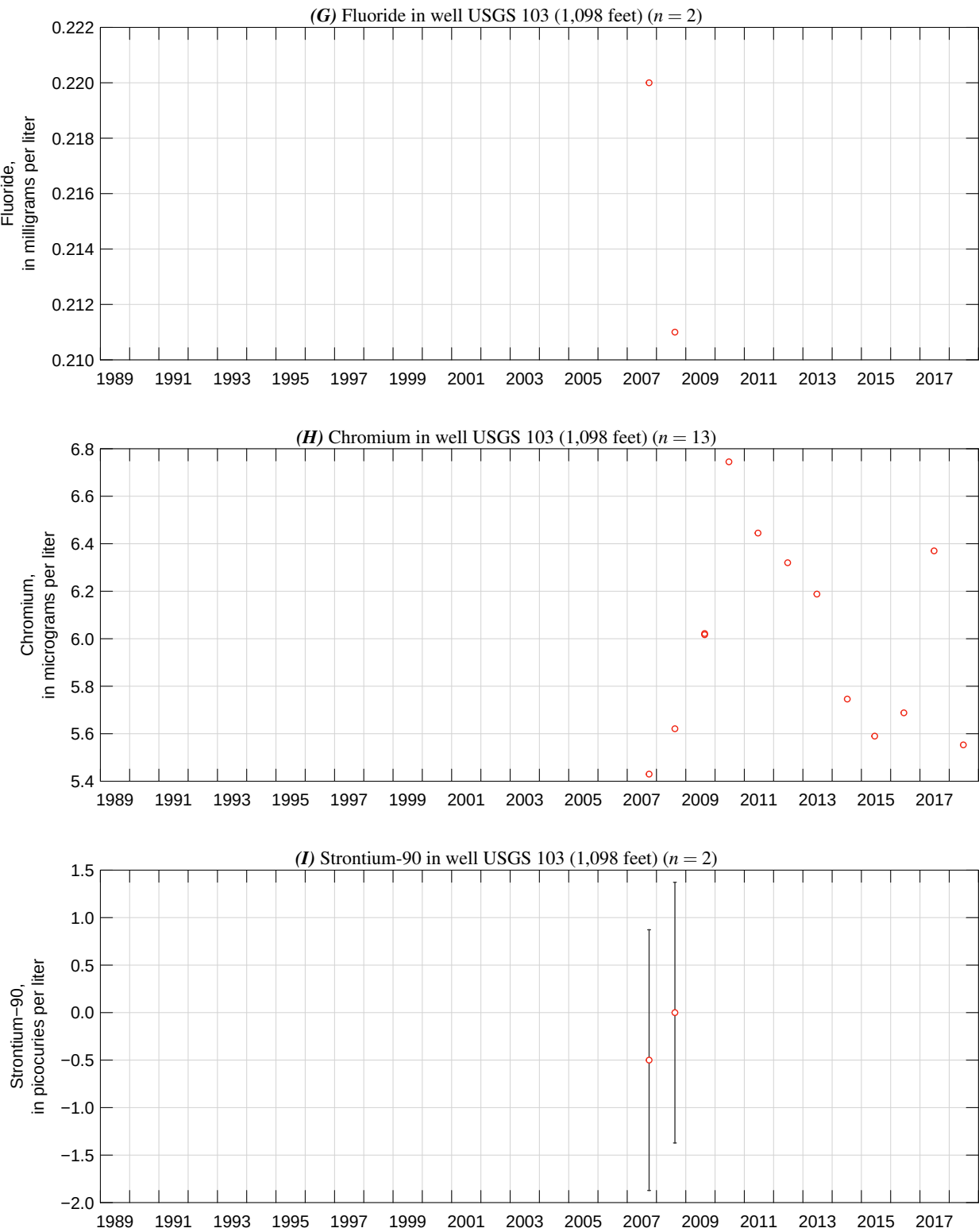


Figure 4.51. —Continued

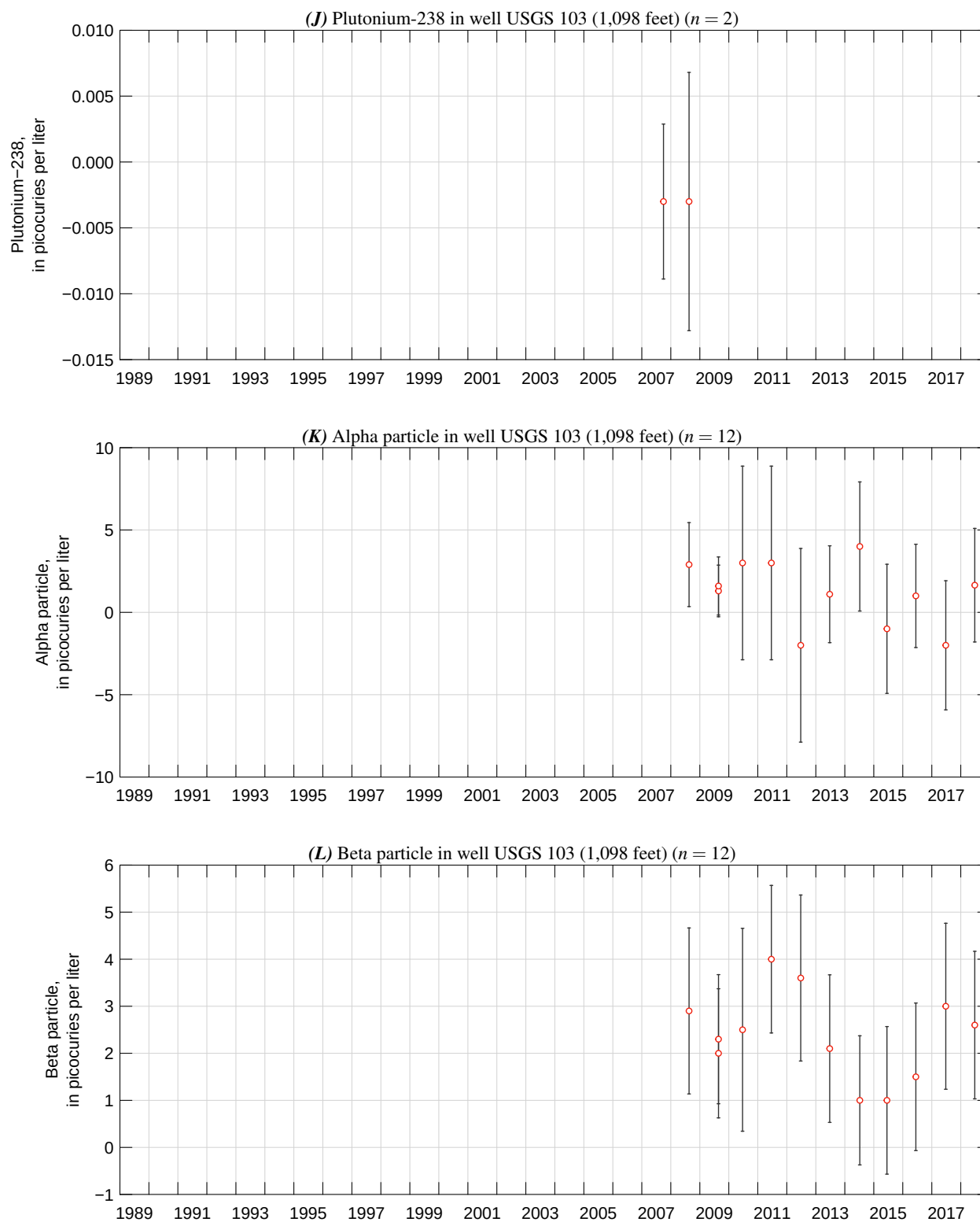


Figure 4.51. —Continued

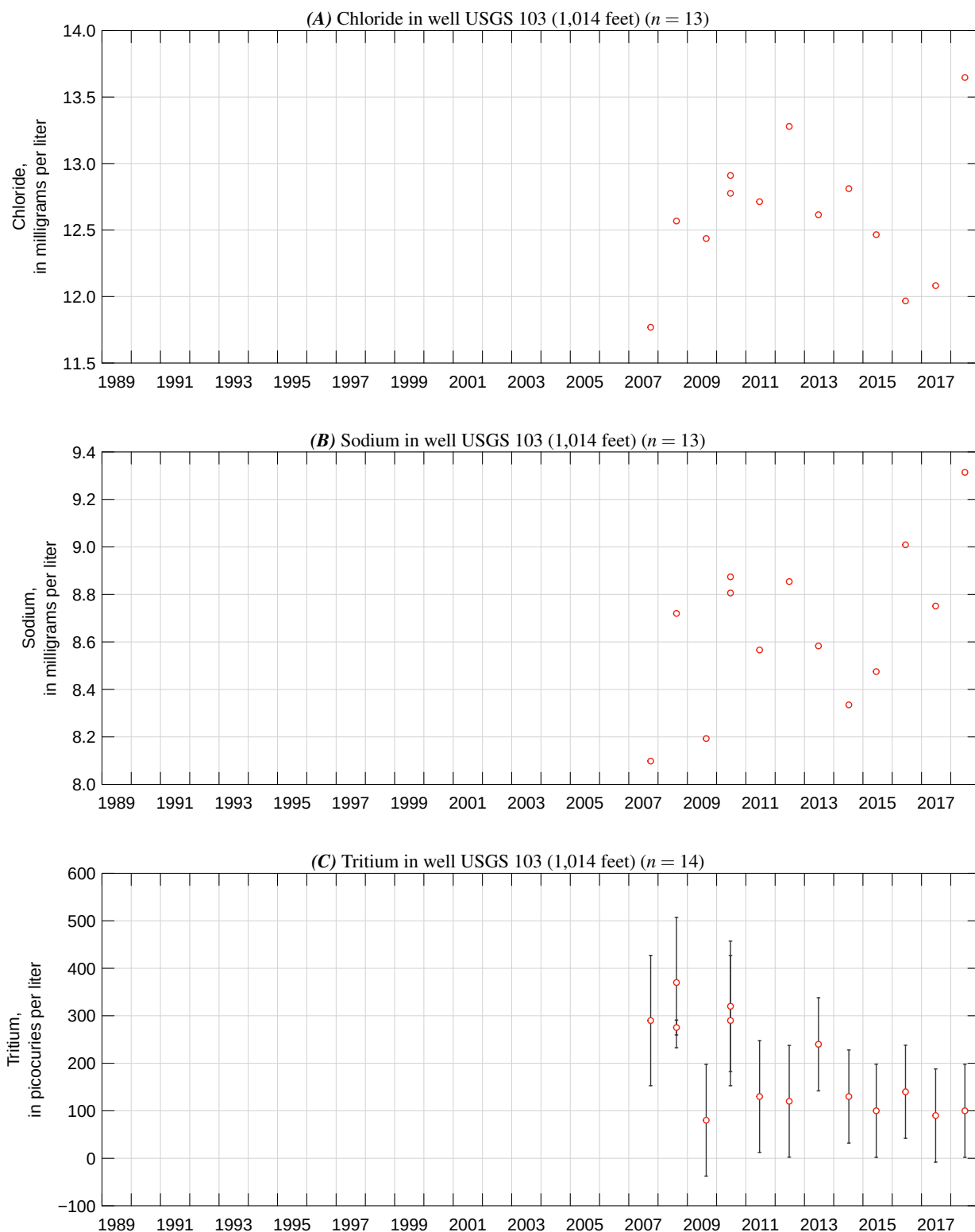


Figure 4.52. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) strontium-90, (J) plutonium-238, (K) alpha particle, and (L) beta particle concentrations in water collected from well USGS 103 (1,014 feet) (Site No. 432714112560712), Idaho National Laboratory, Idaho, 1989–2018.

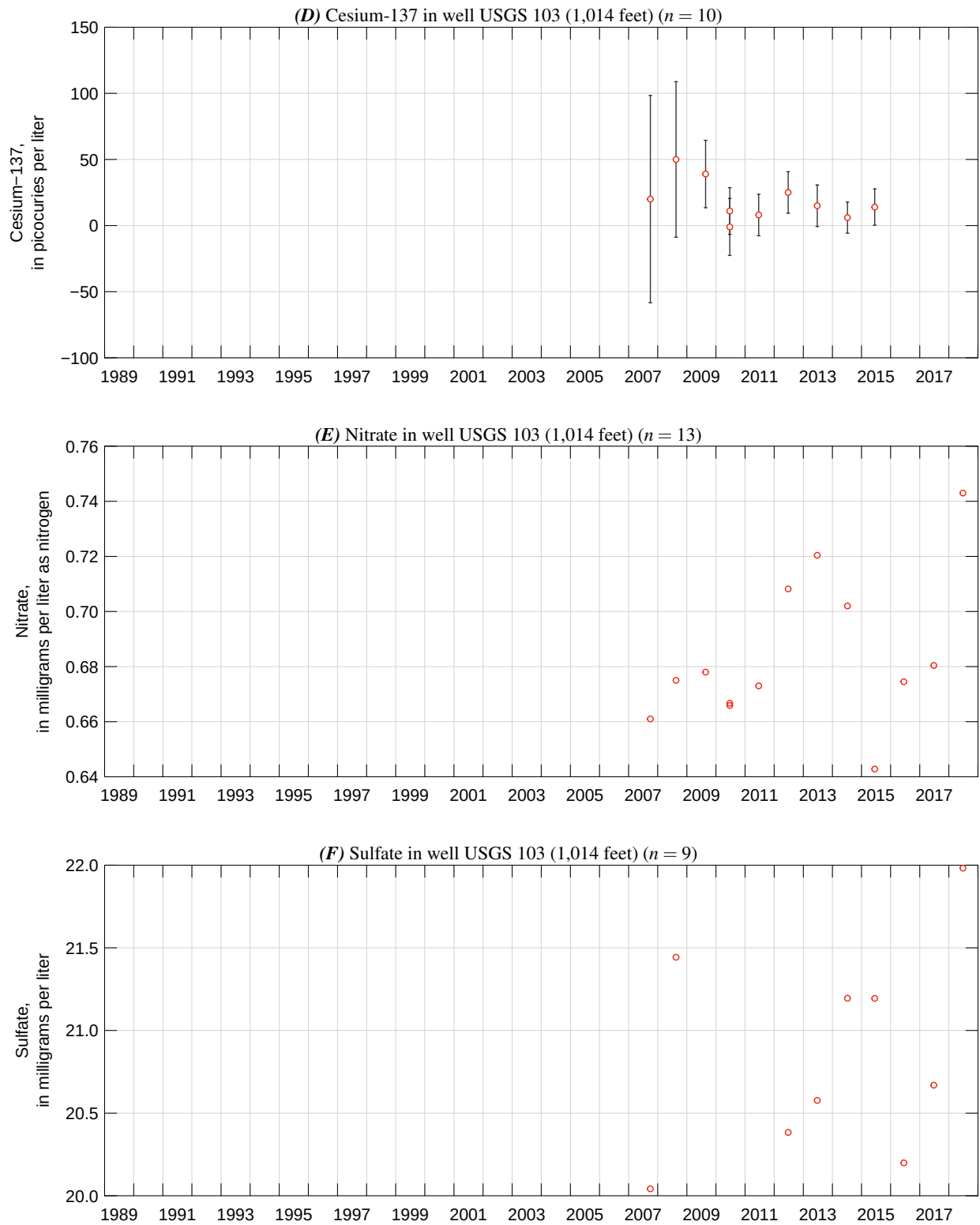


Figure 4.52. —Continued

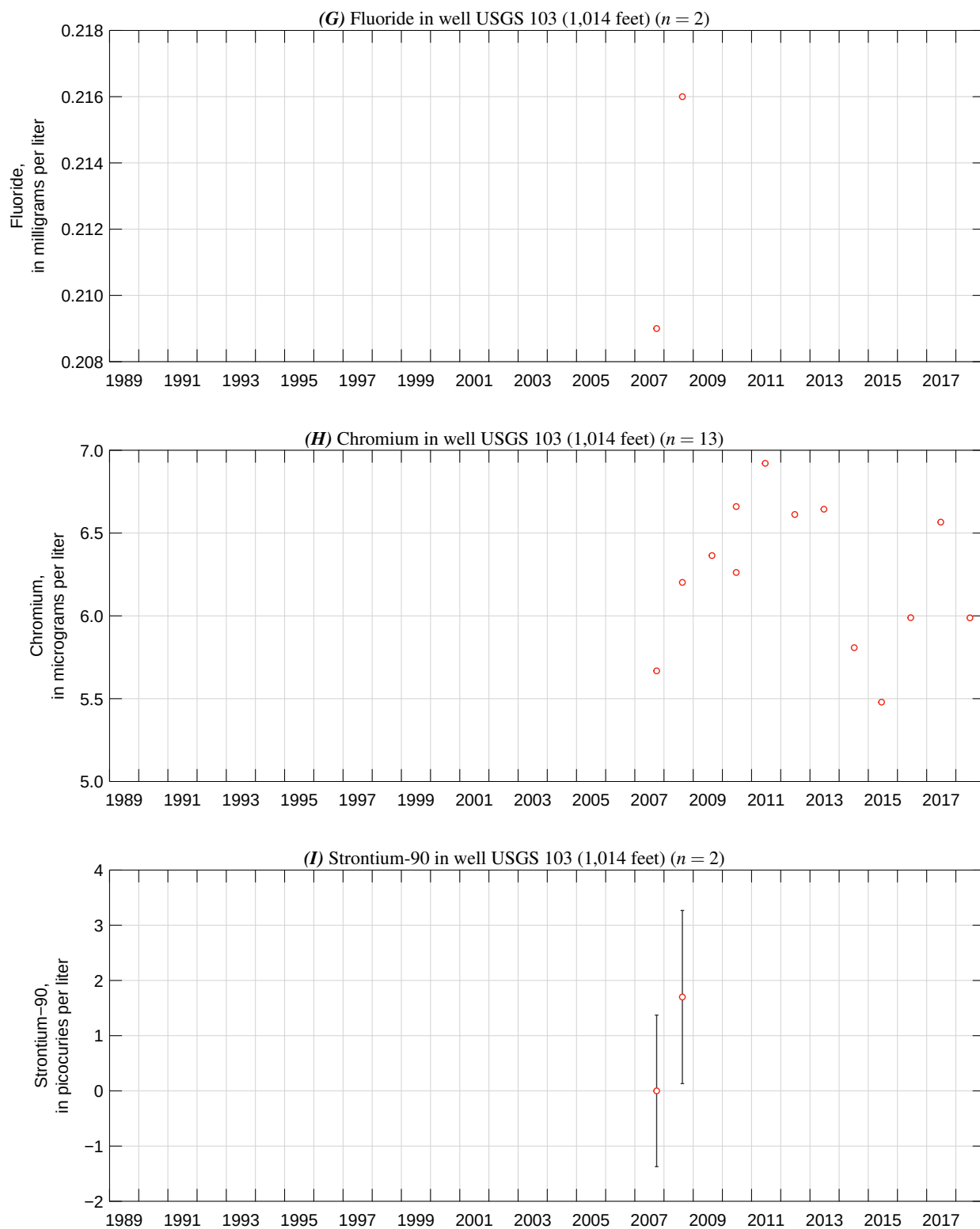


Figure 4.52. —Continued

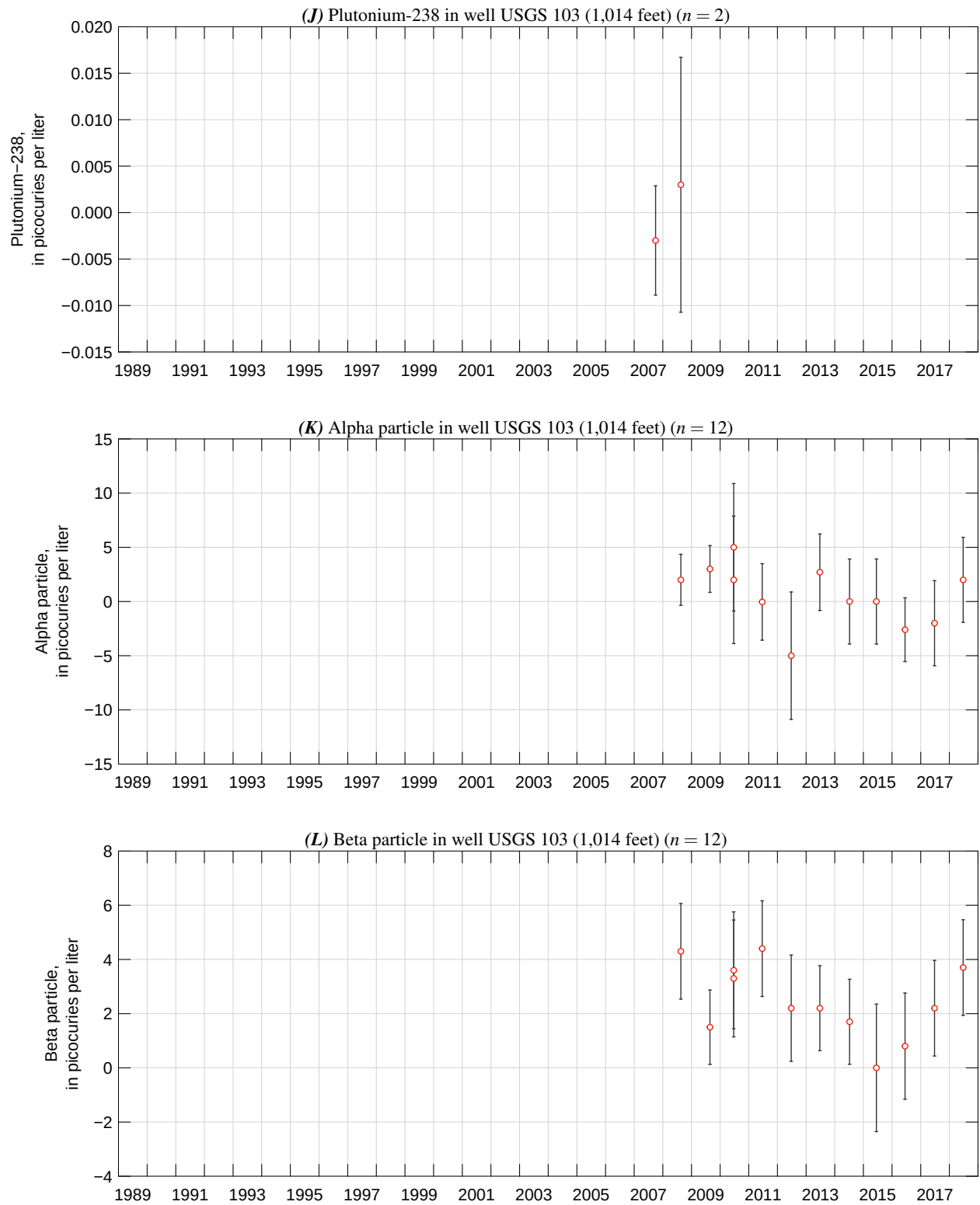


Figure 4.52. —Continued

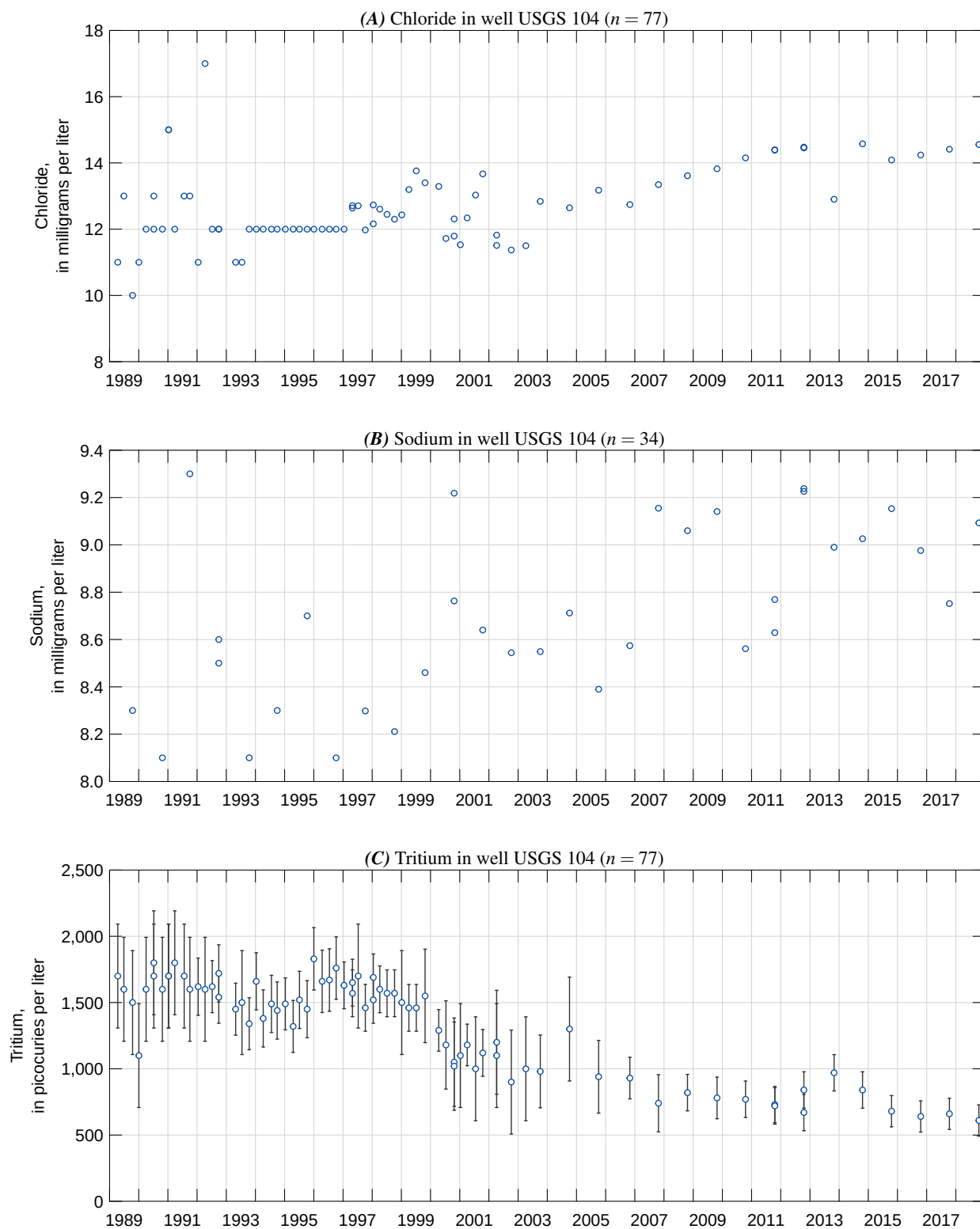


Figure 4.53. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) nitrate, (E) sulfate, and (F) fluoride concentrations in water collected from well USGS 104 (Site No. 432856112560801), Idaho National Laboratory, Idaho, 1989–2018.

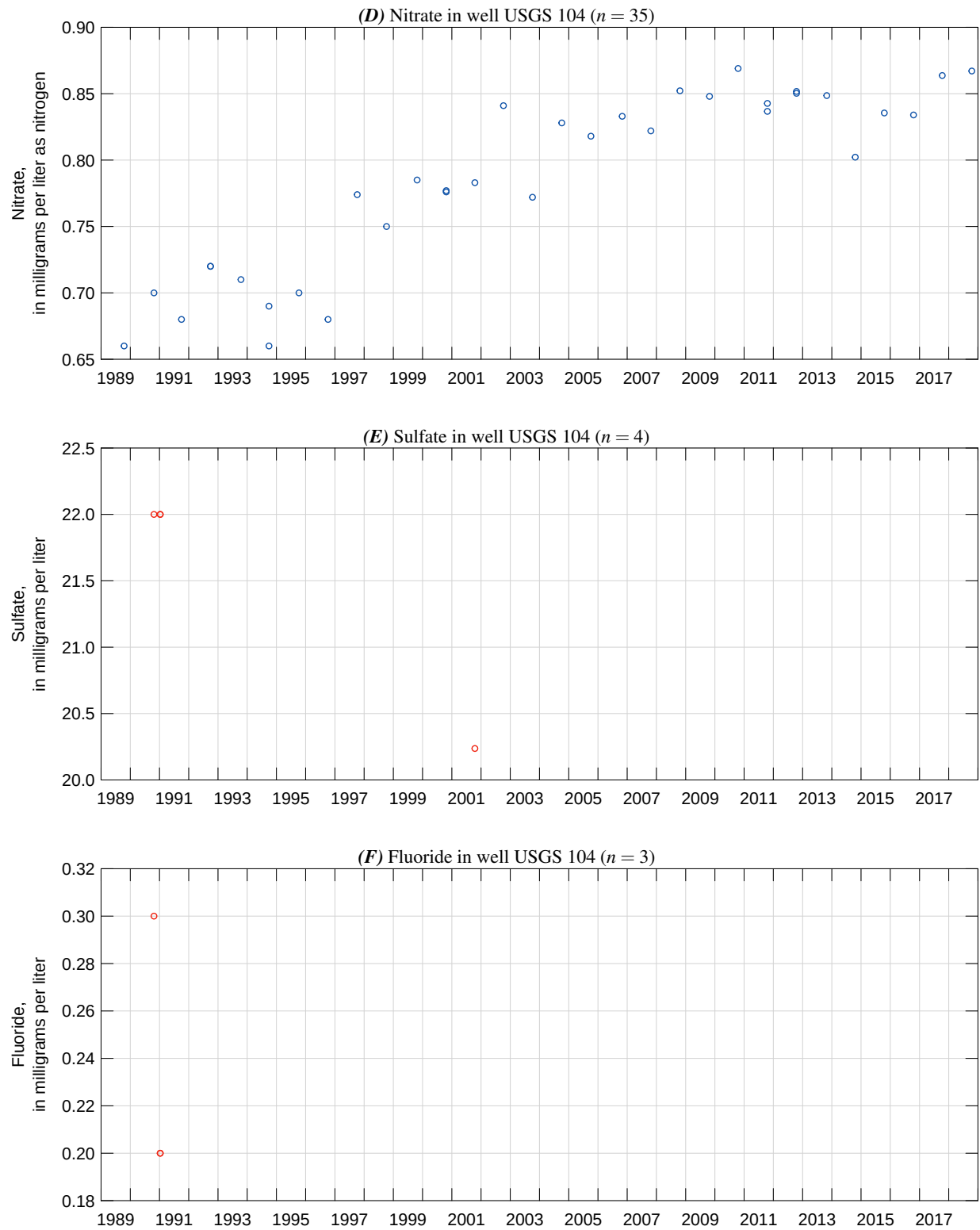


Figure 4.53. —Continued

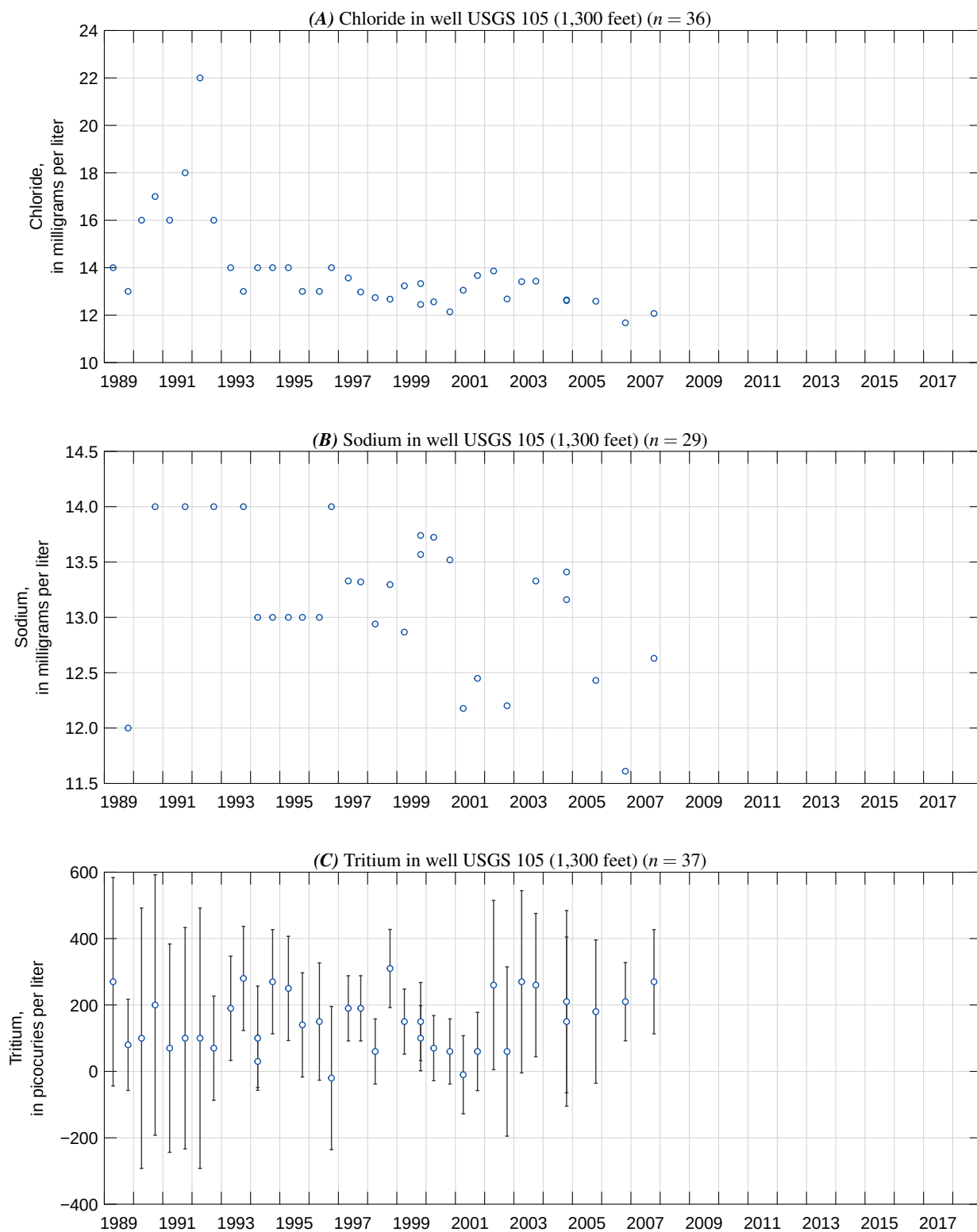


Figure 4.54. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, and (H) chromium concentrations in water collected from well USGS 105 (1,300 feet) (Site No. 432703113001801), Idaho National Laboratory, Idaho, 1989–2018.

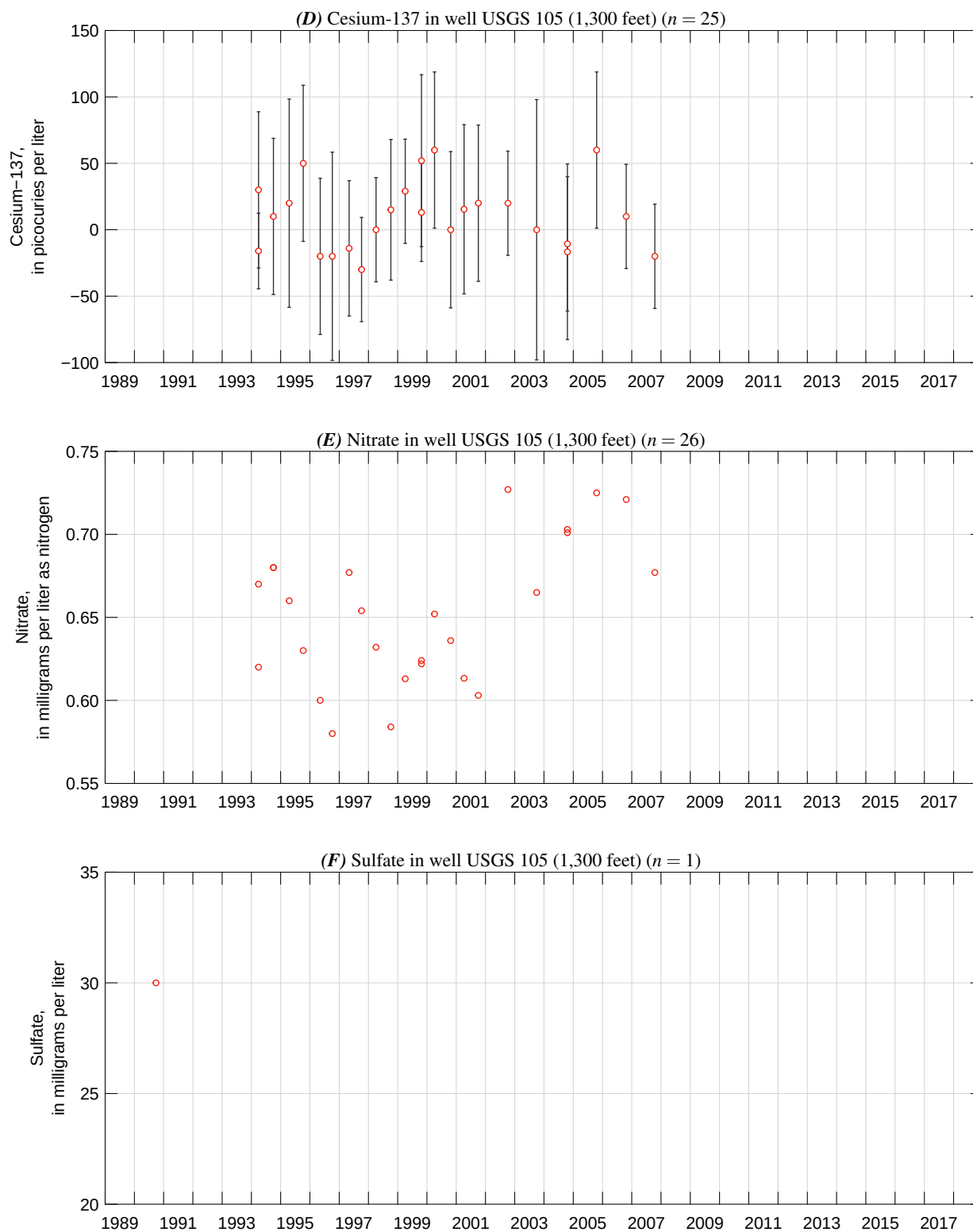


Figure 4.54. —Continued

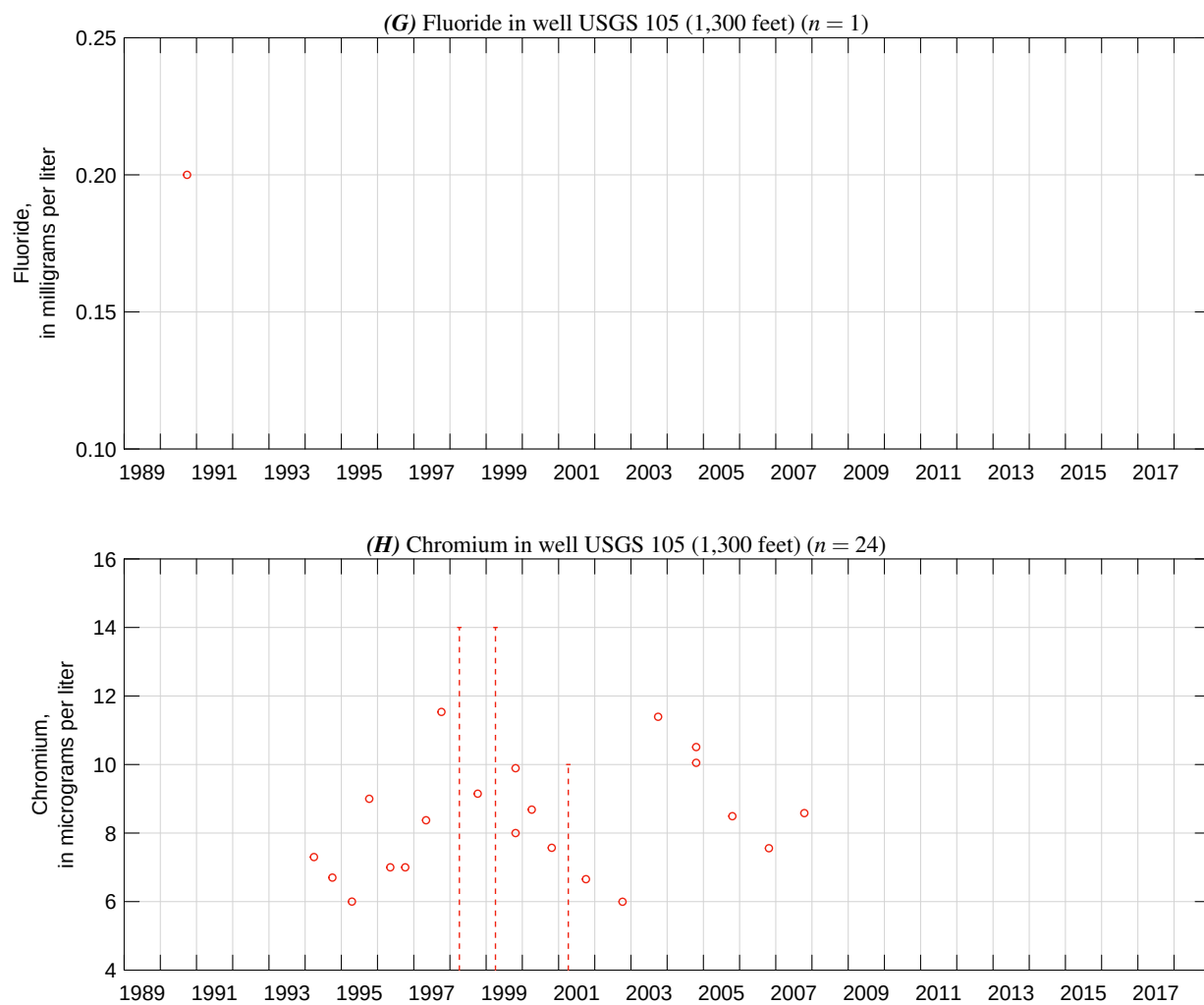


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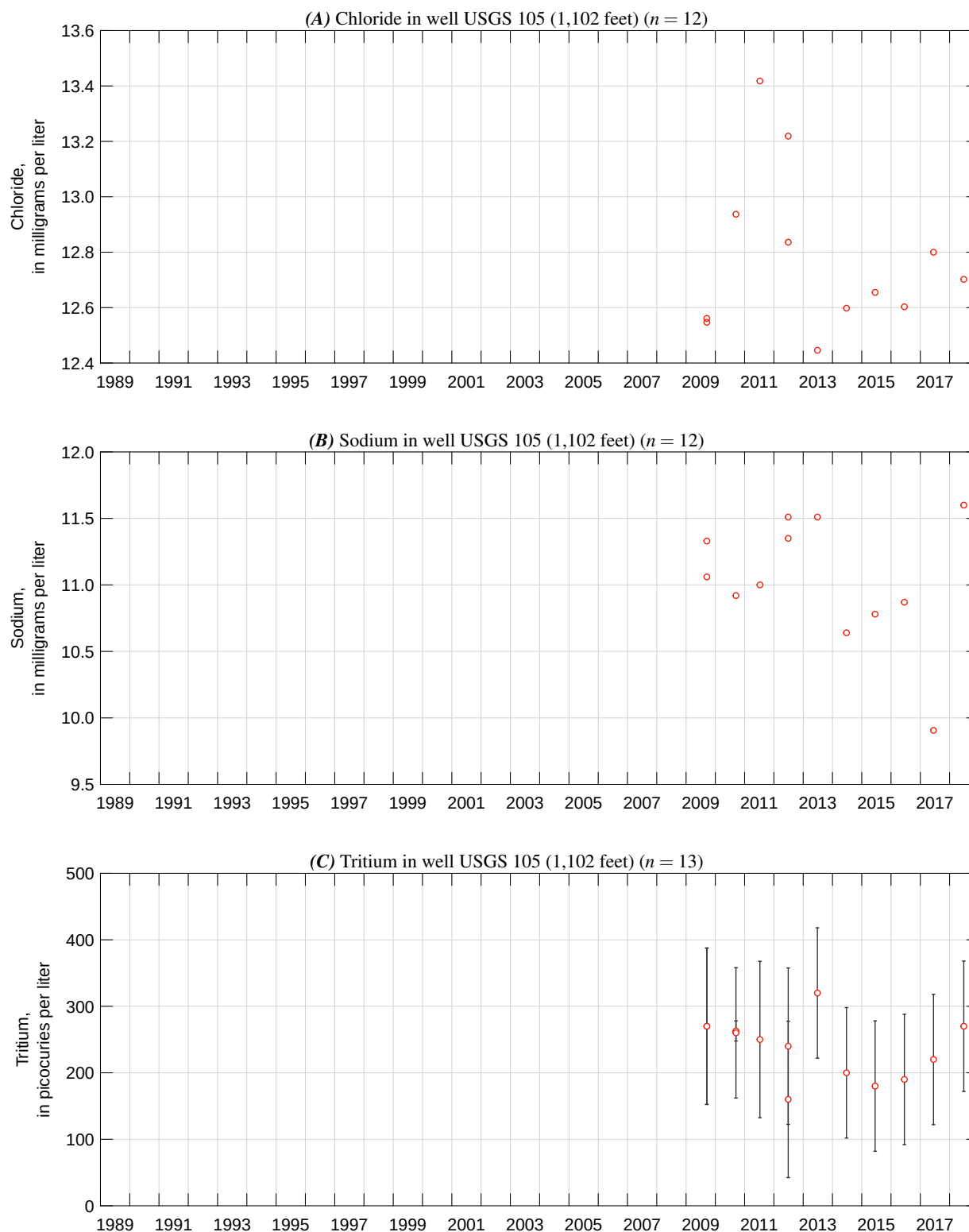


Figure 4.55. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) strontium-90, (J) plutonium-238, (K) alpha particle, and (L) beta particle concentrations in water collected from well USGS 105 (1,102 feet) (Site No. 432703113001807), Idaho National Laboratory, Idaho, 1989–2018.

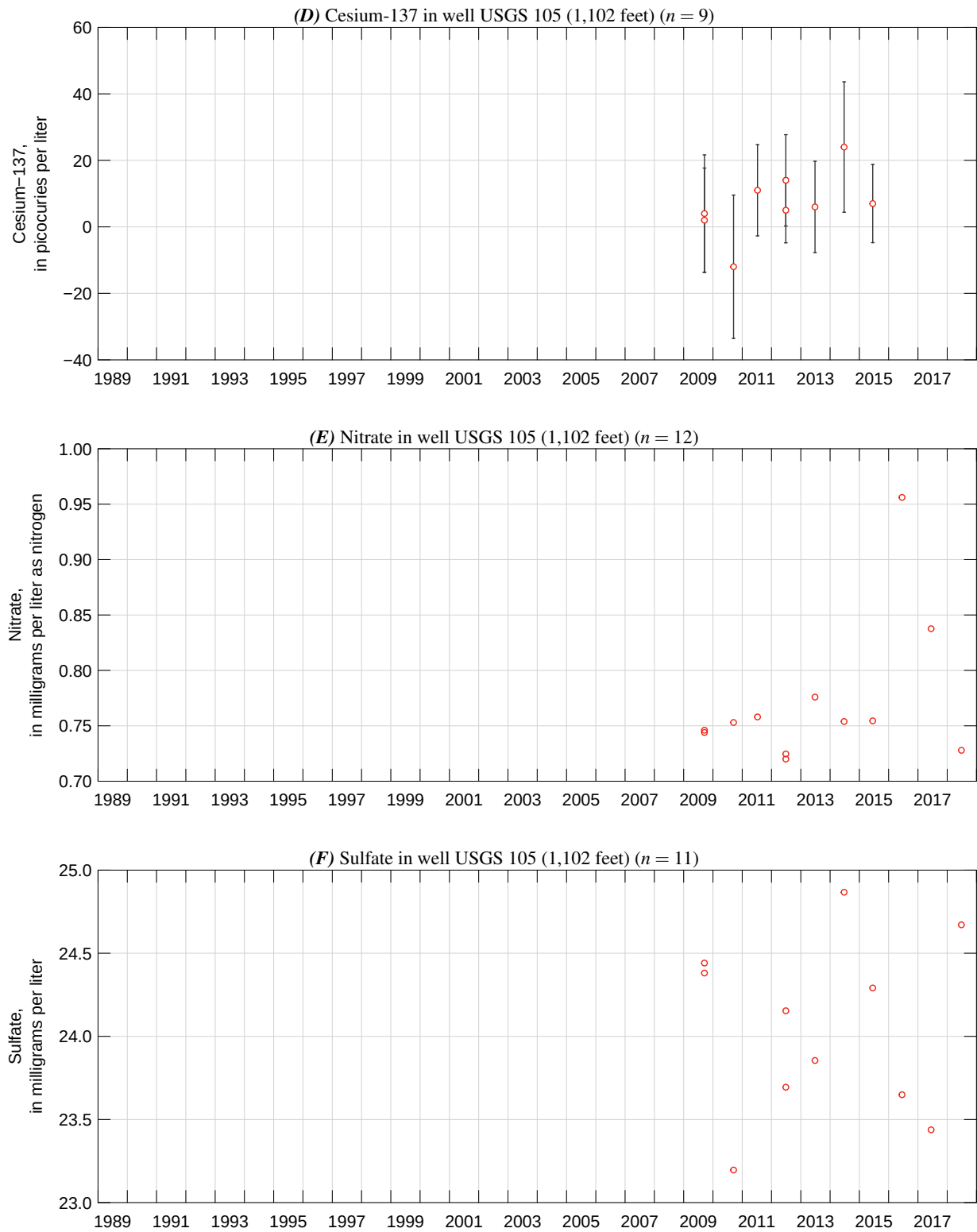


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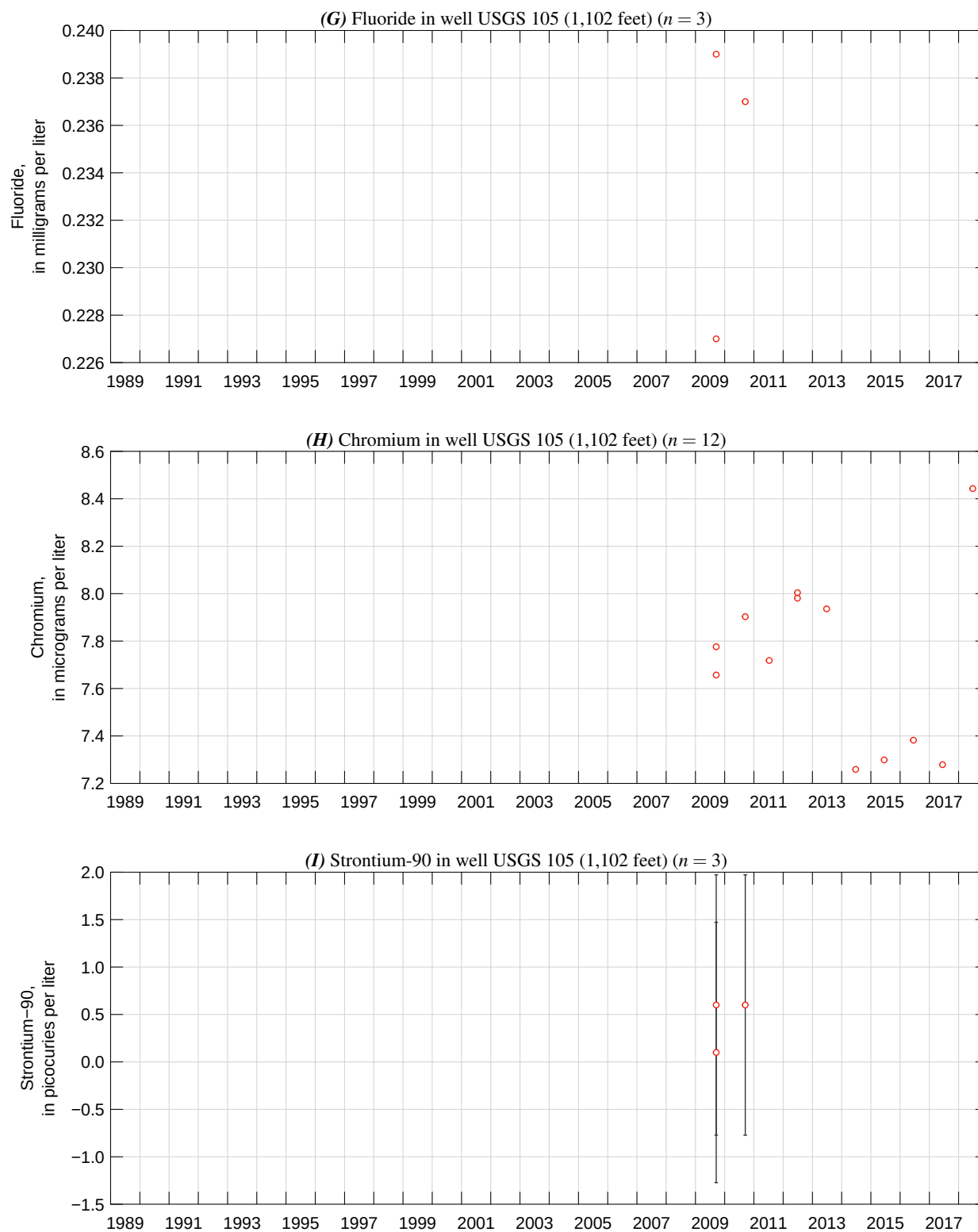


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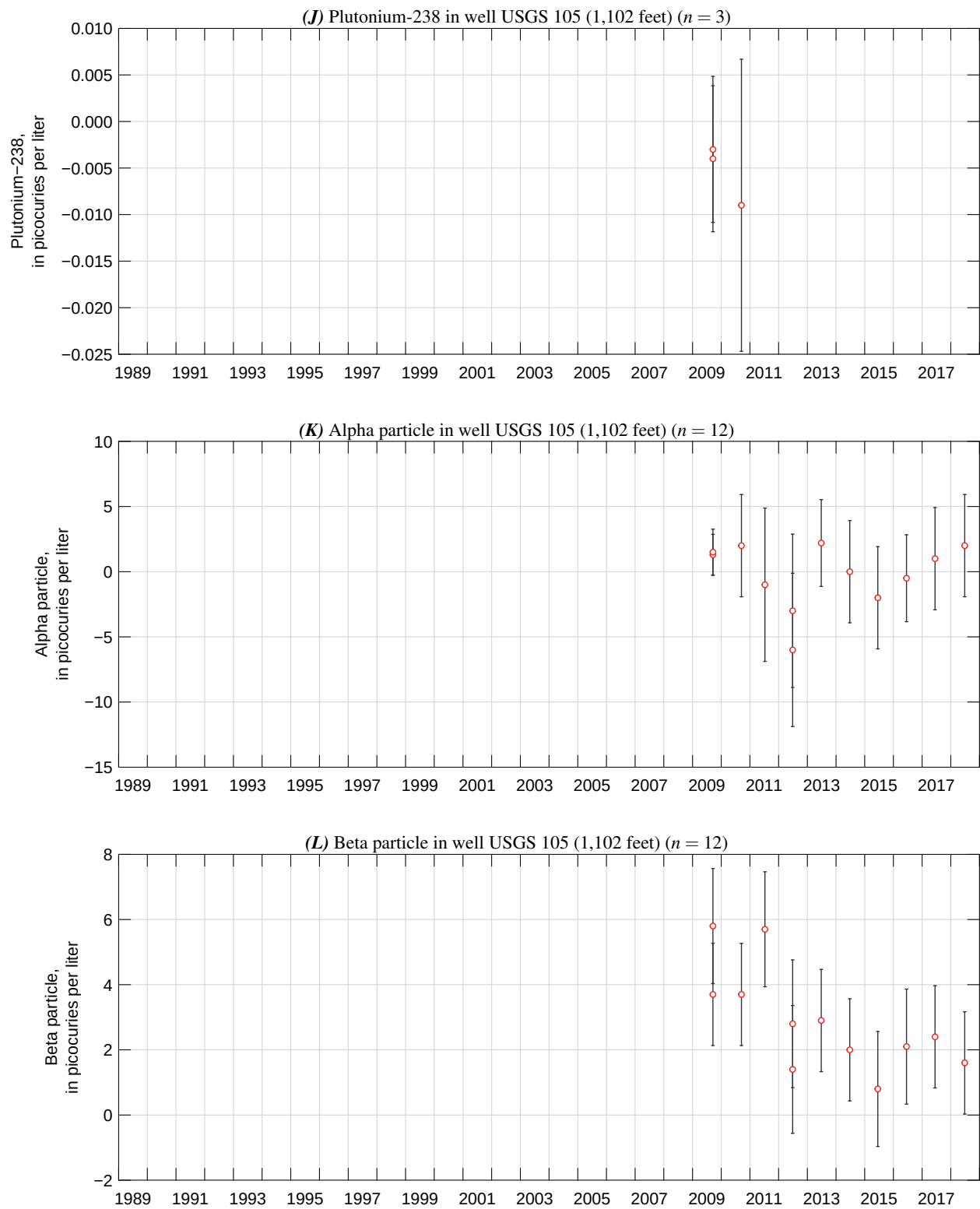


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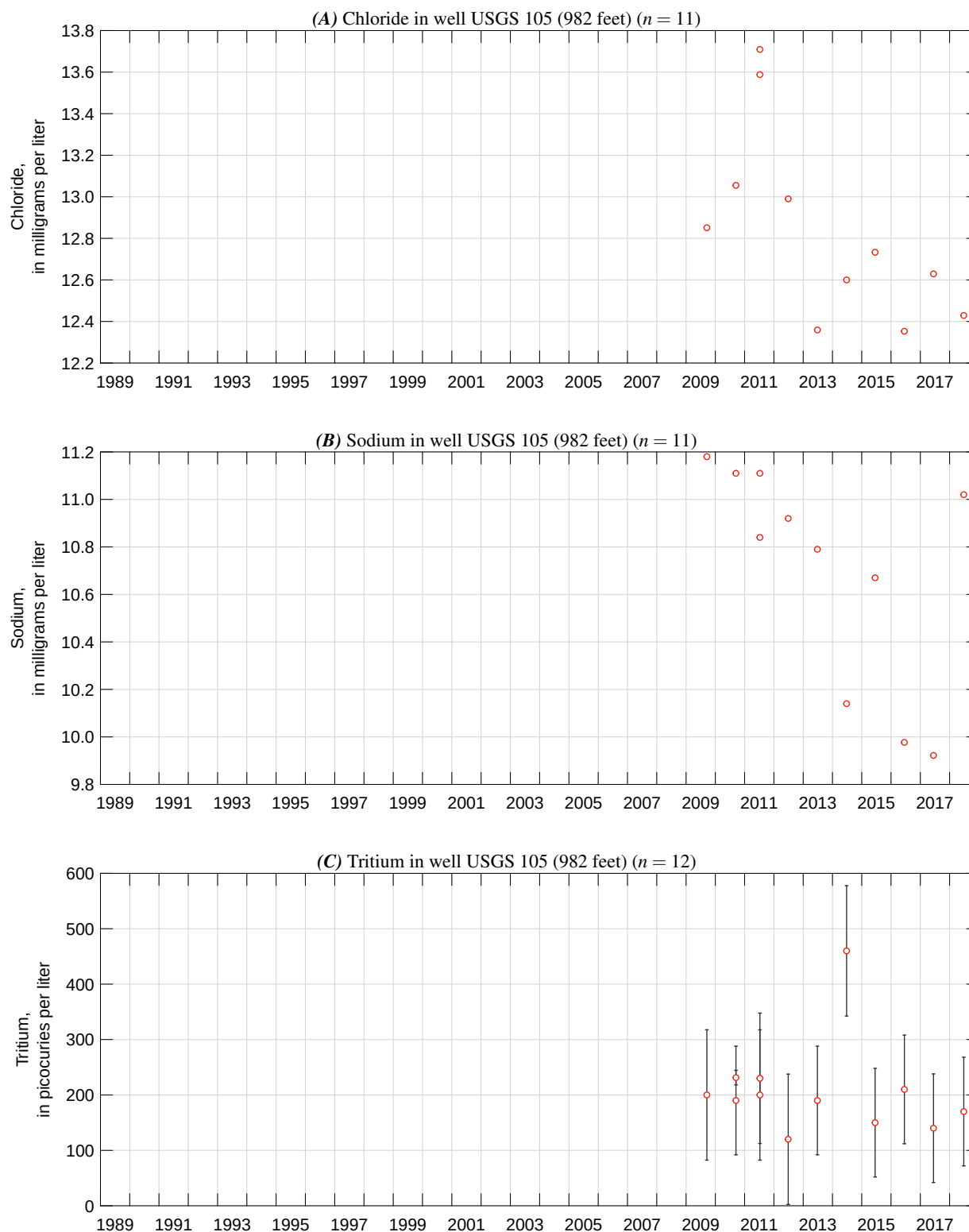


Figure 4.56. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) strontium-90, (J) plutonium-238, (K) alpha particle, and (L) beta particle concentrations in water collected from well USGS 105 (982 feet) (Site No. 432703113001811), Idaho National Laboratory, Idaho, 1989–2018.

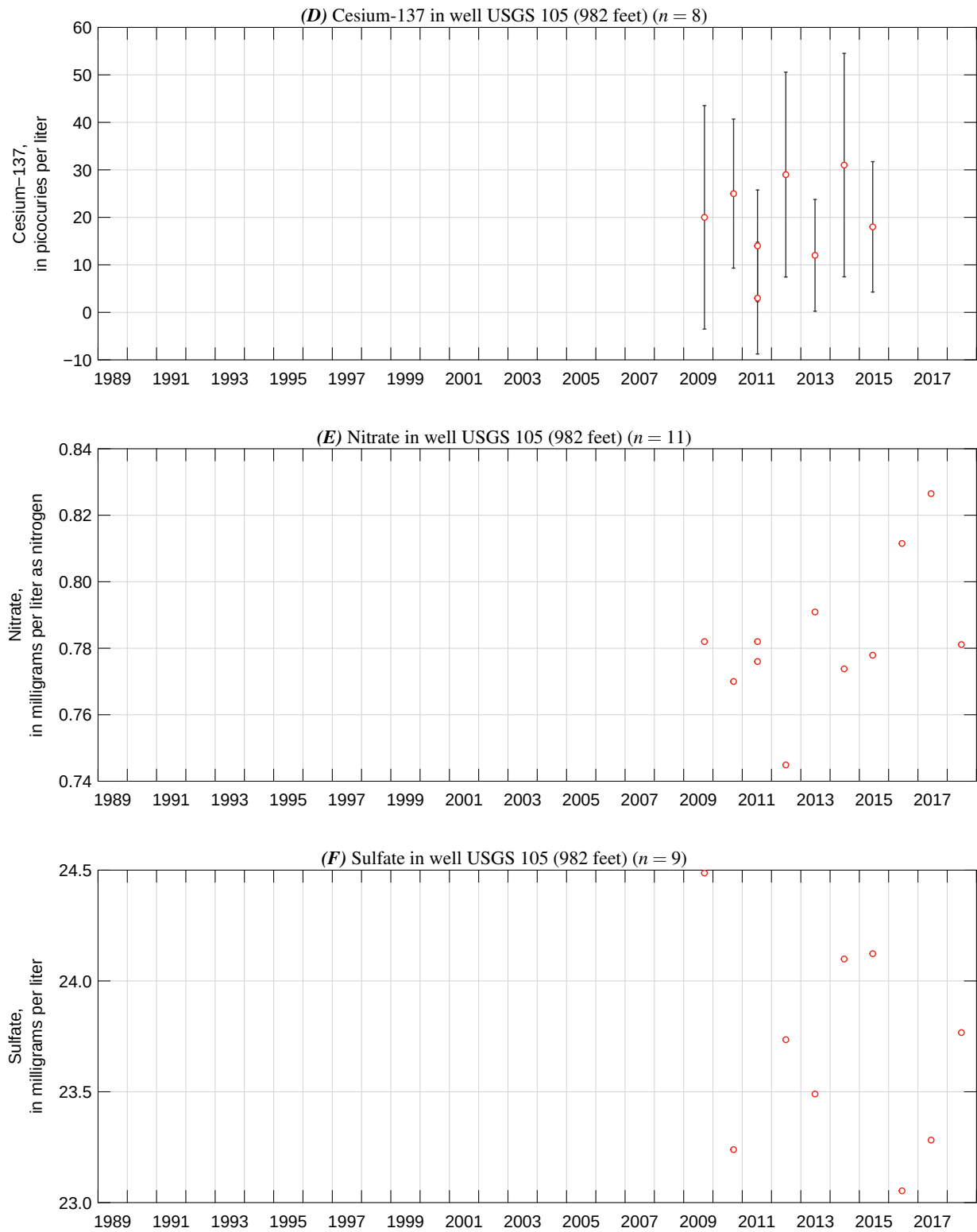


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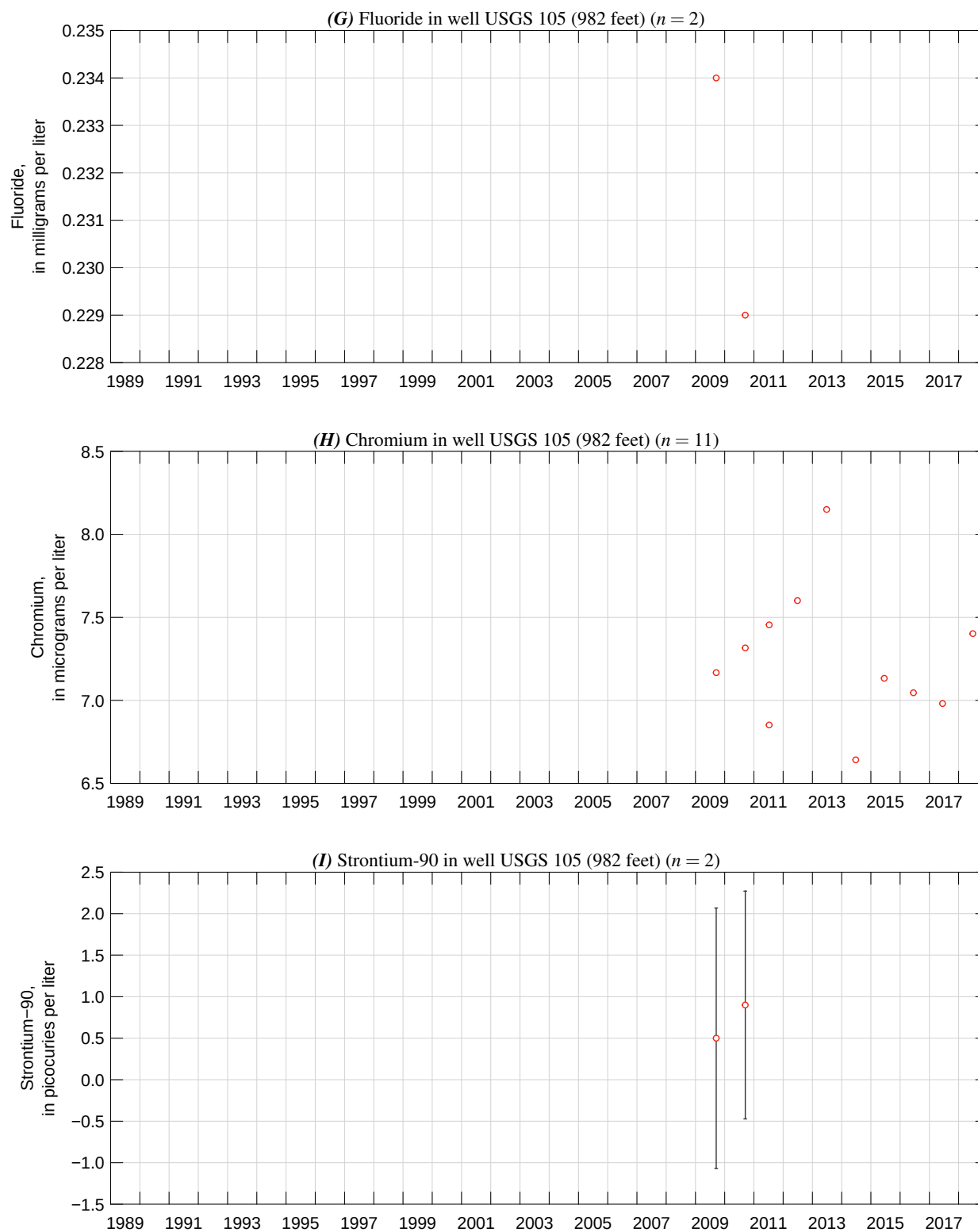


Figure 4.56. —Continued

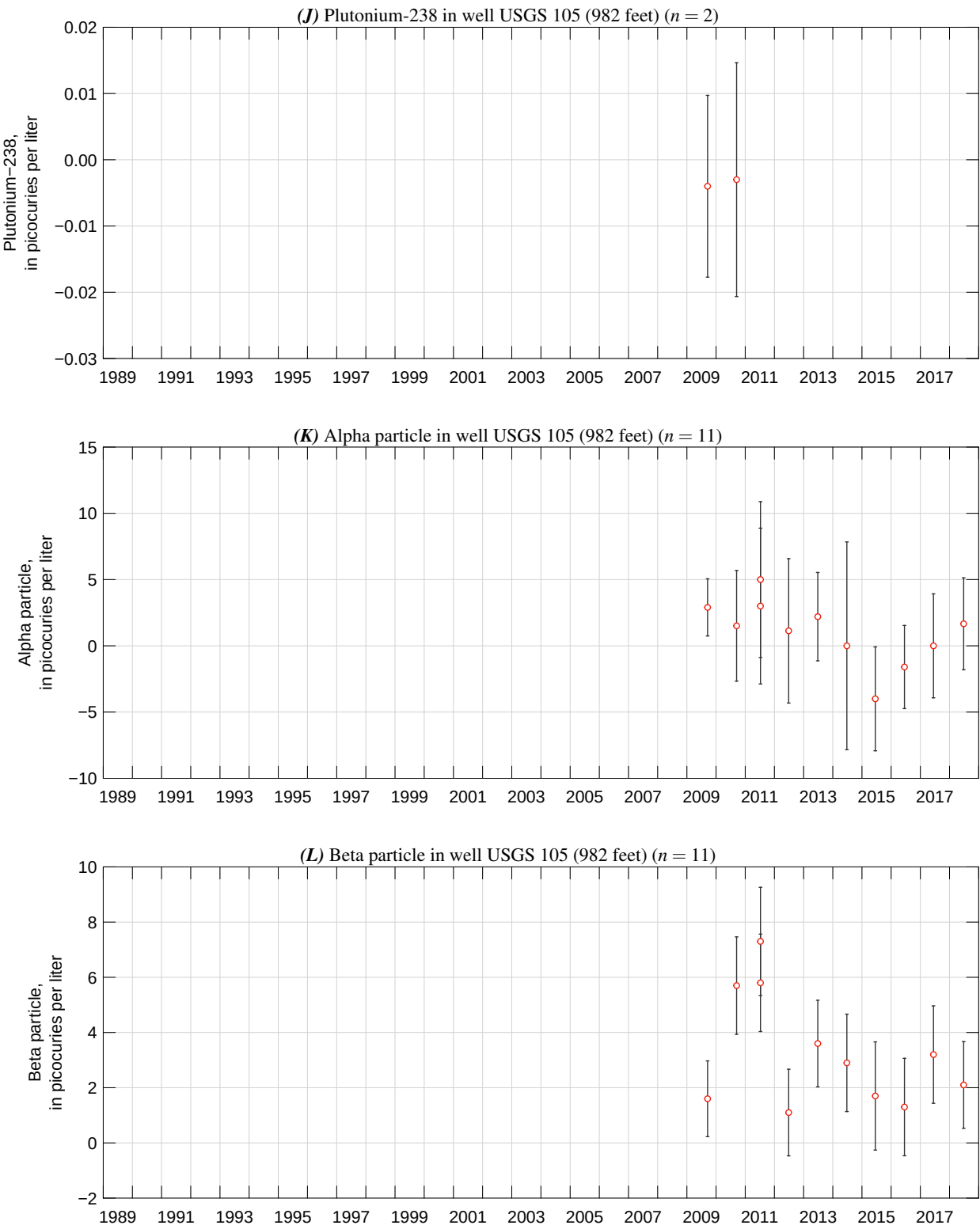


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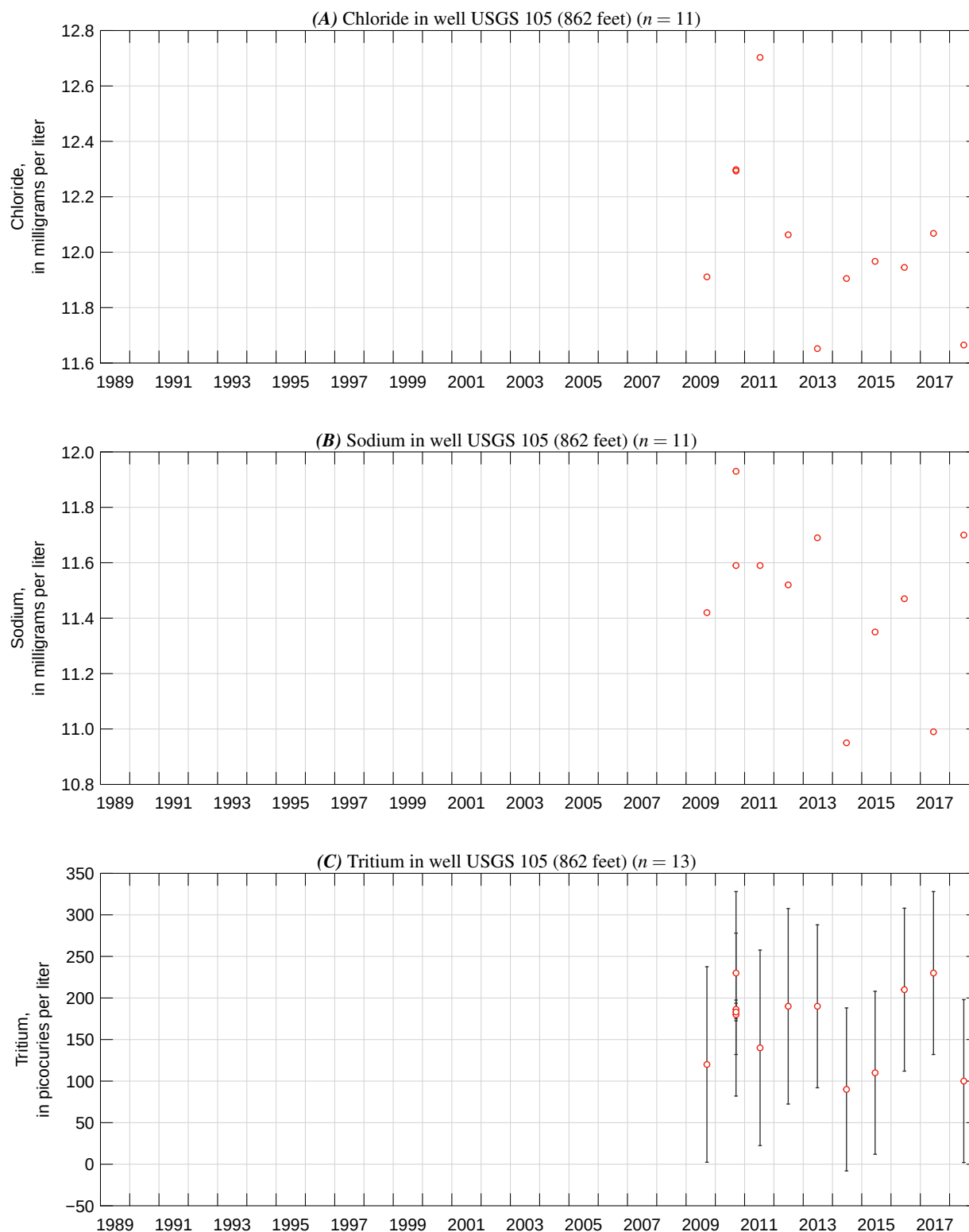


Figure 4.57. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) strontium-90, (J) plutonium-238, (K) alpha particle, and (L) beta particle concentrations in water collected from well USGS 105 (862 feet) (Site No. 432703113001815), Idaho National Laboratory, Idaho, 1989–2018.

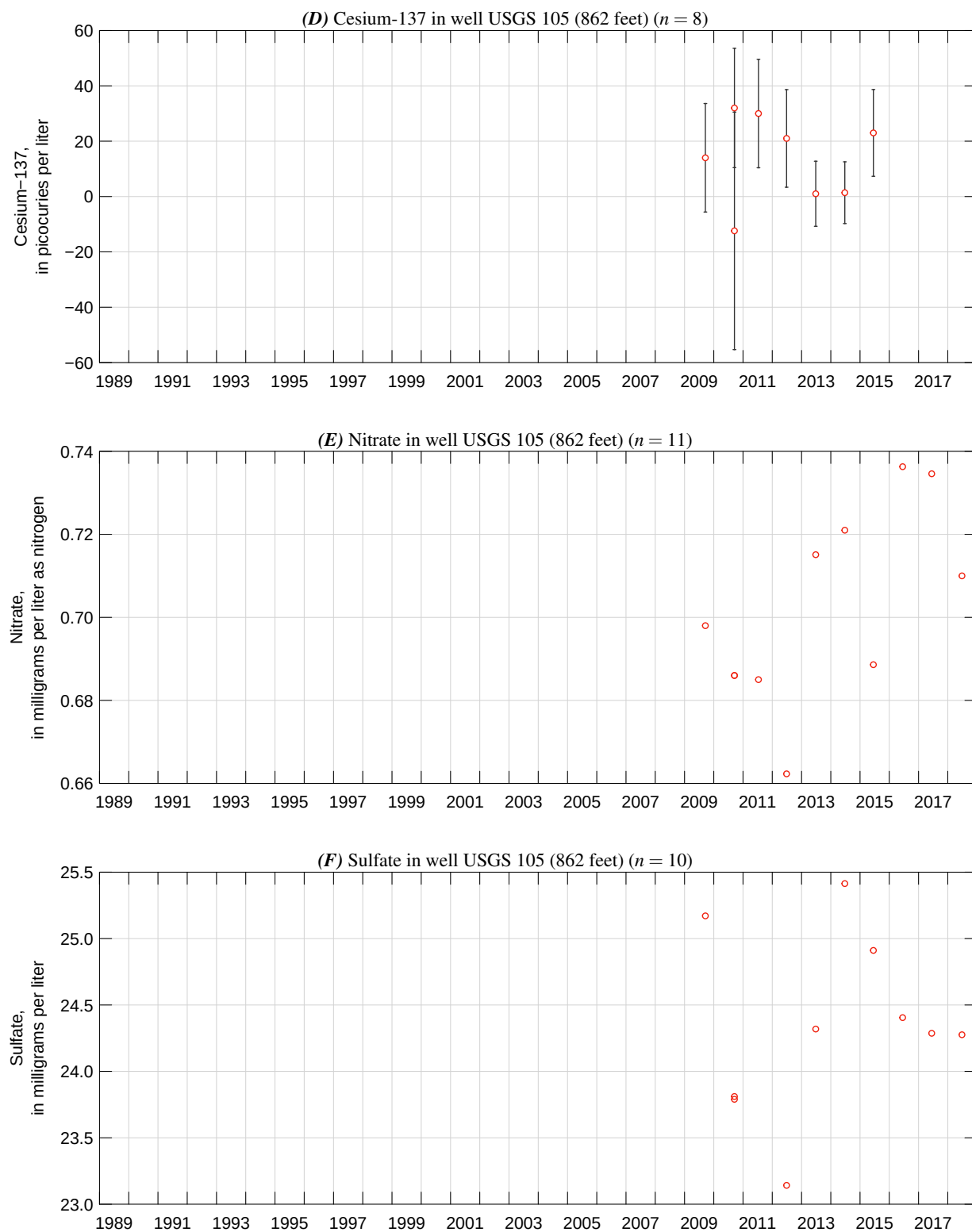


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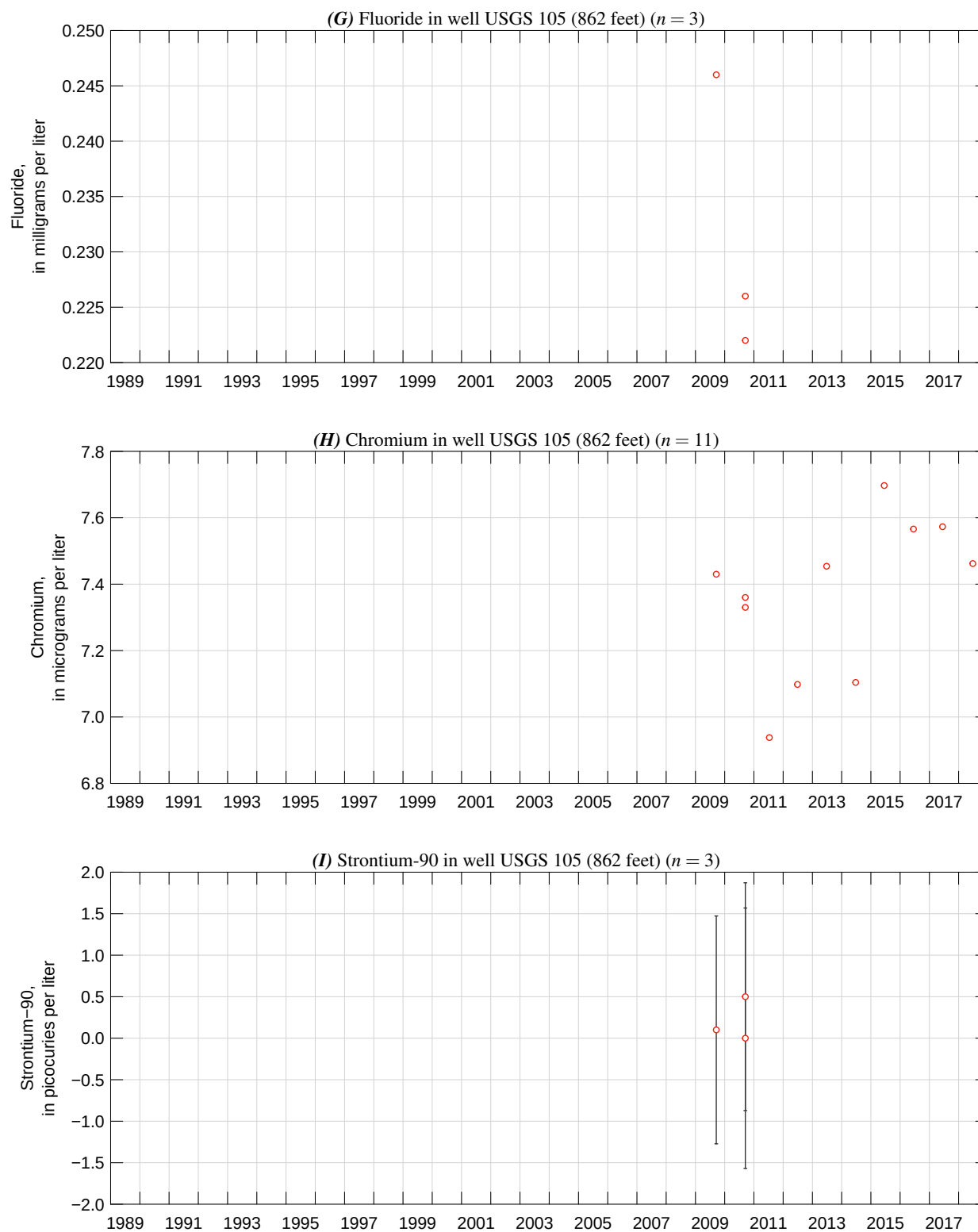


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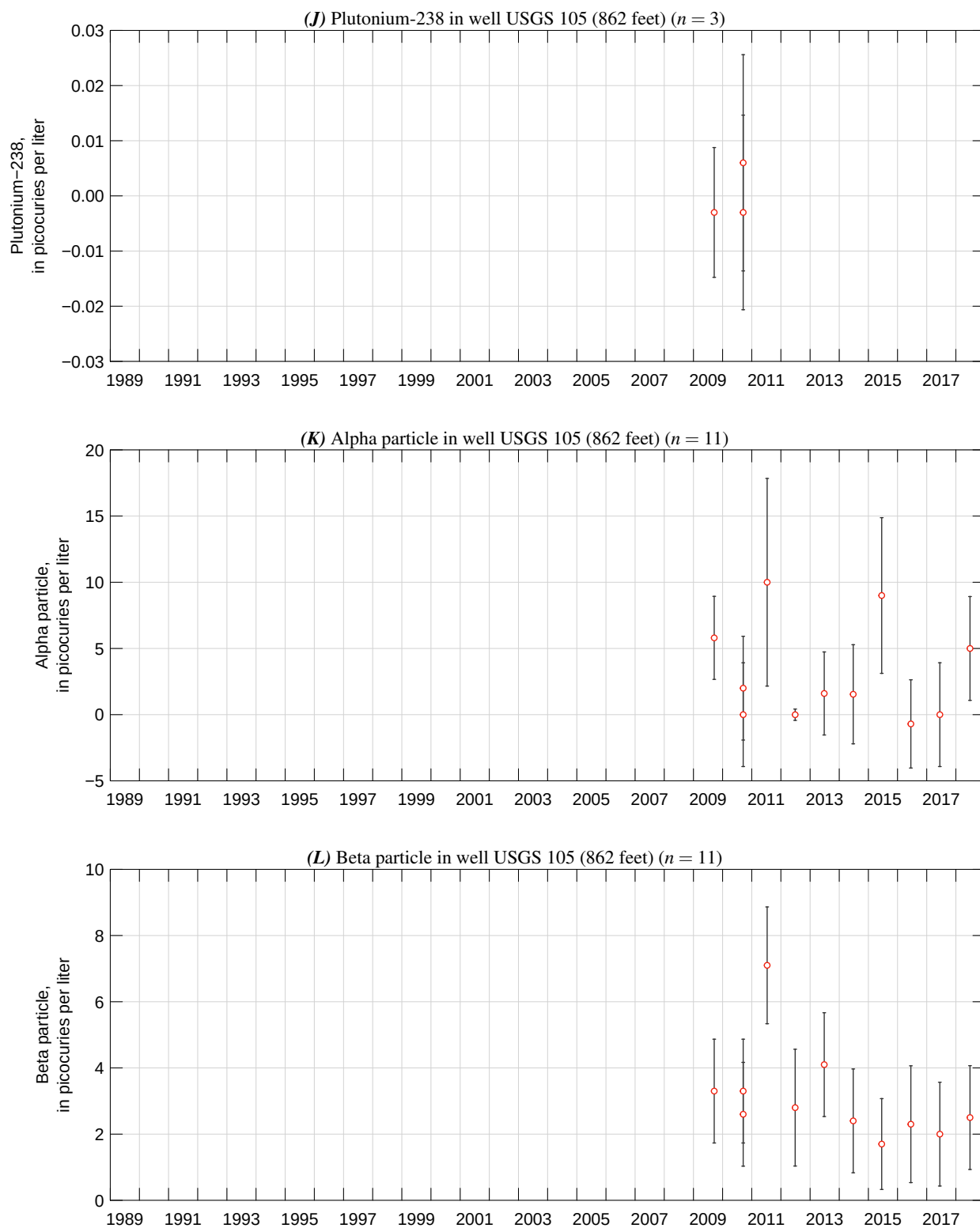


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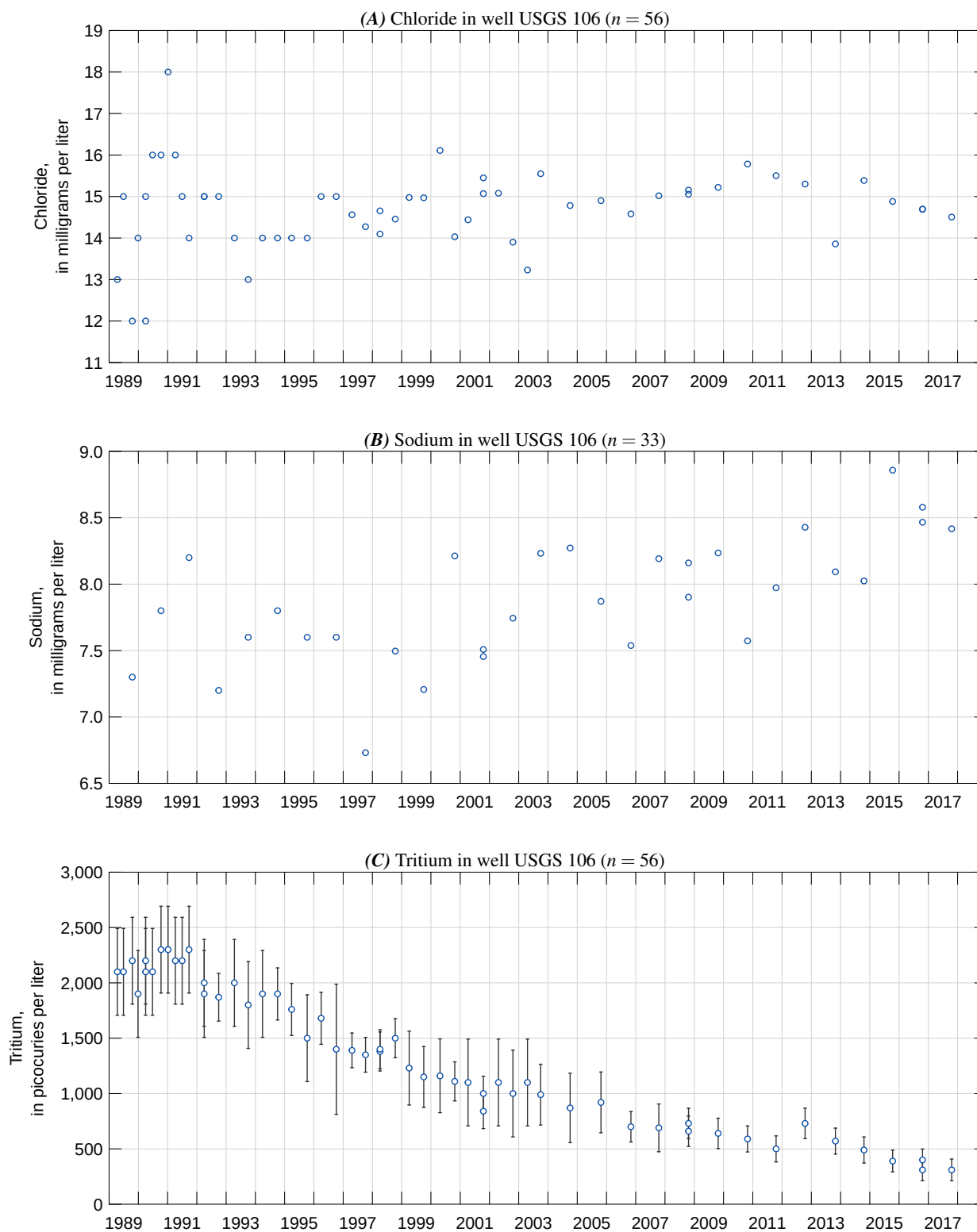


Figure 4.58. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) nitrate, (E) sulfate, (F) fluoride, and (G) strontium-90 concentrations in water collected from well USGS 106 (Site No. 432959112593101), Idaho National Laboratory, Idaho, 1989–2018.

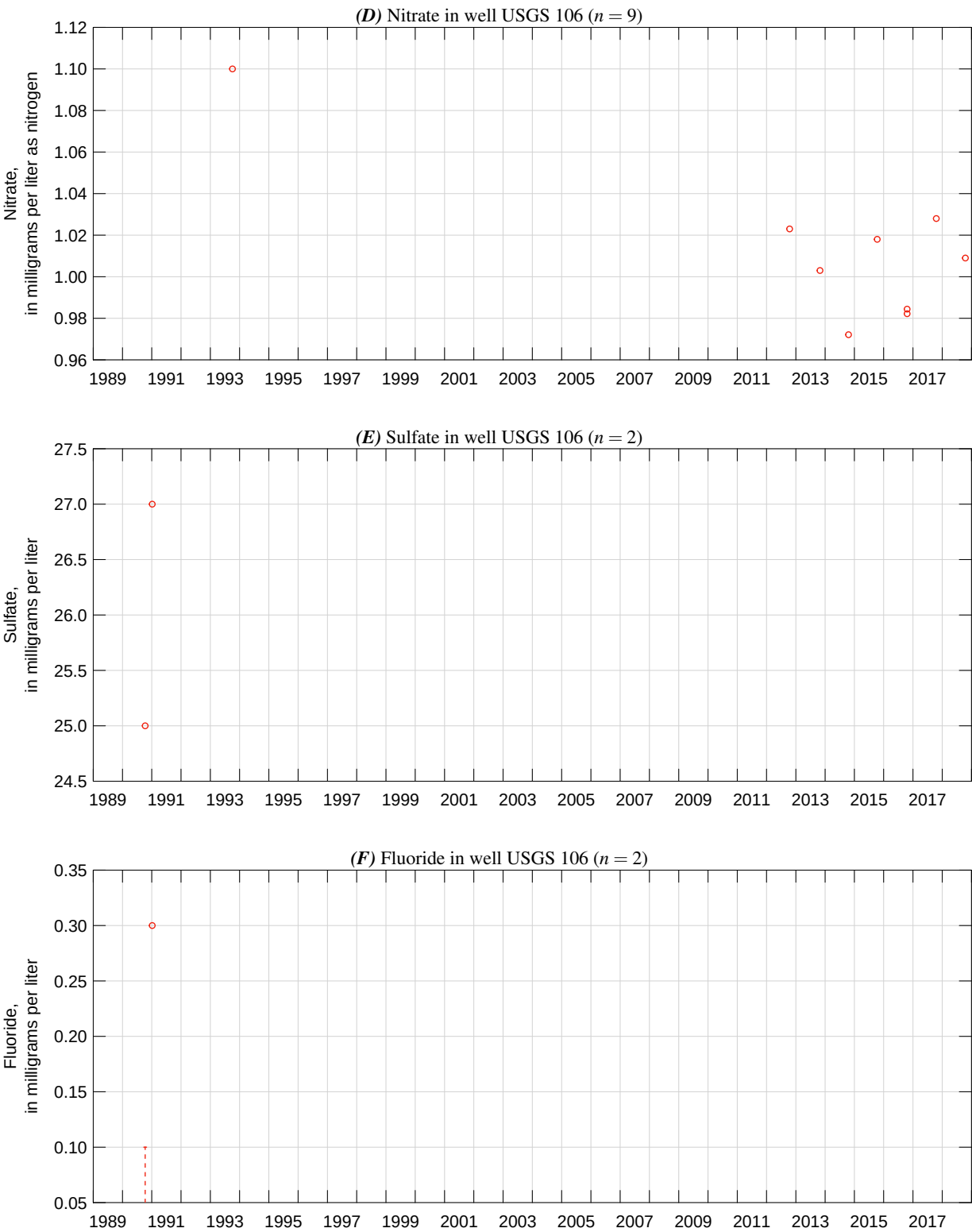


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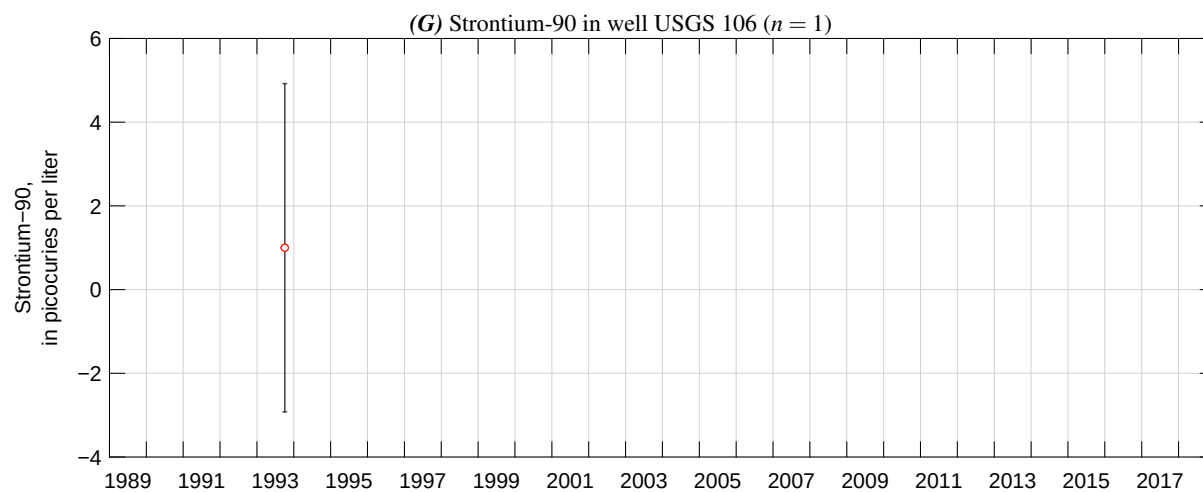


Figure 4.58. —Continued

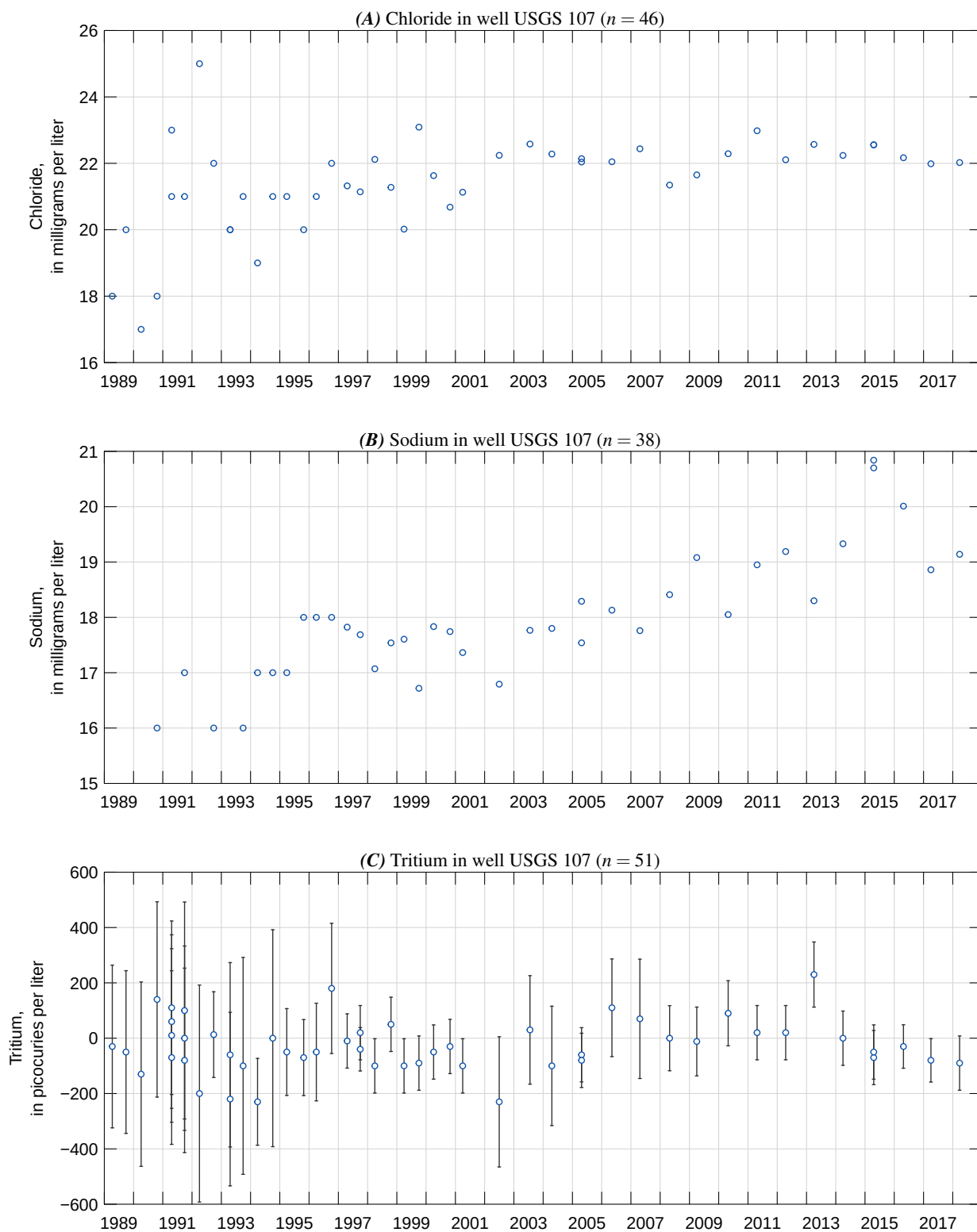


Figure 4.59. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, (R) alpha particle, and (S) beta particle concentrations in water collected from well USGS 107 (Site No. 432942112532801), Idaho National Laboratory, Idaho, 1989–2018.

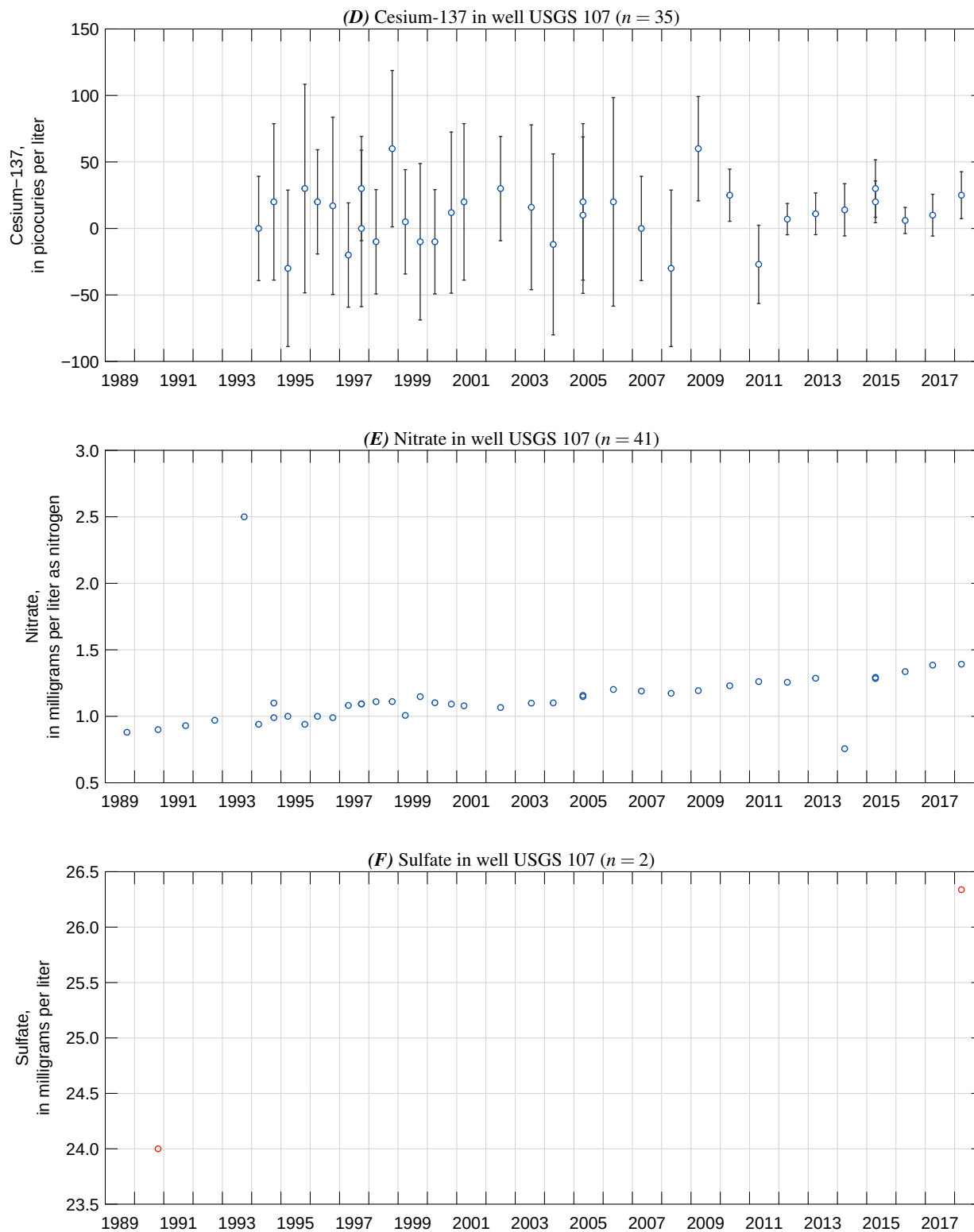


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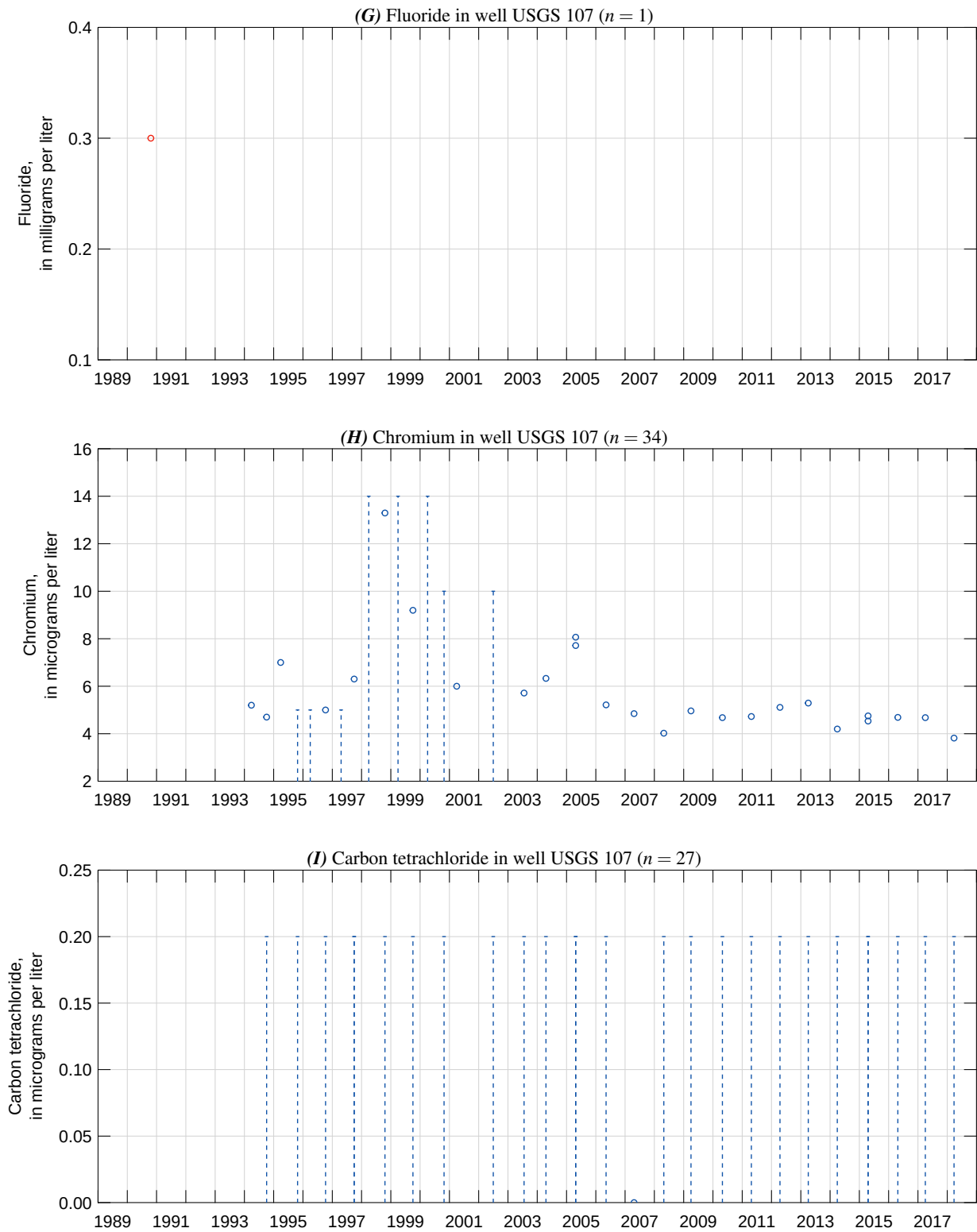


Figure 4.59. —Continued

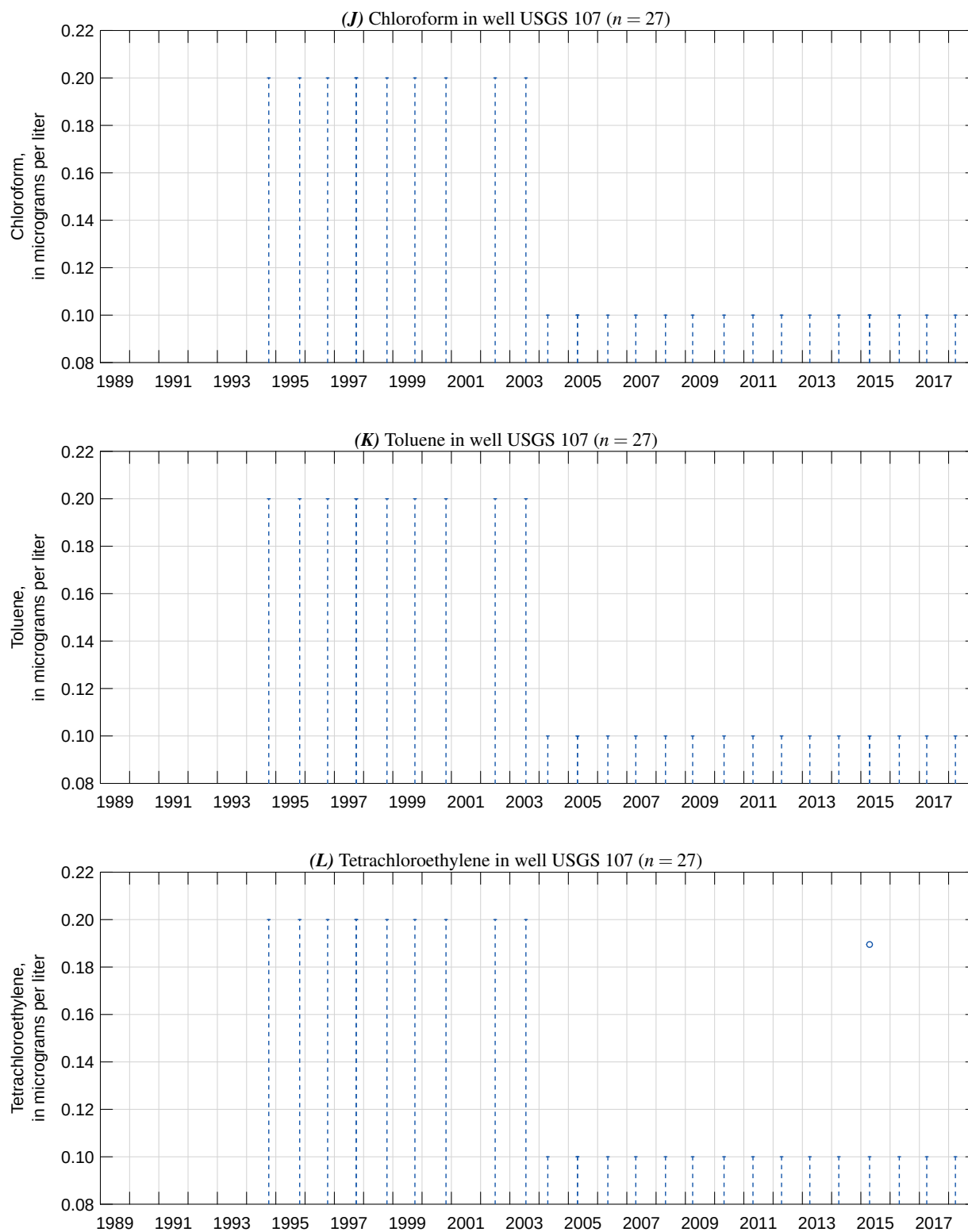


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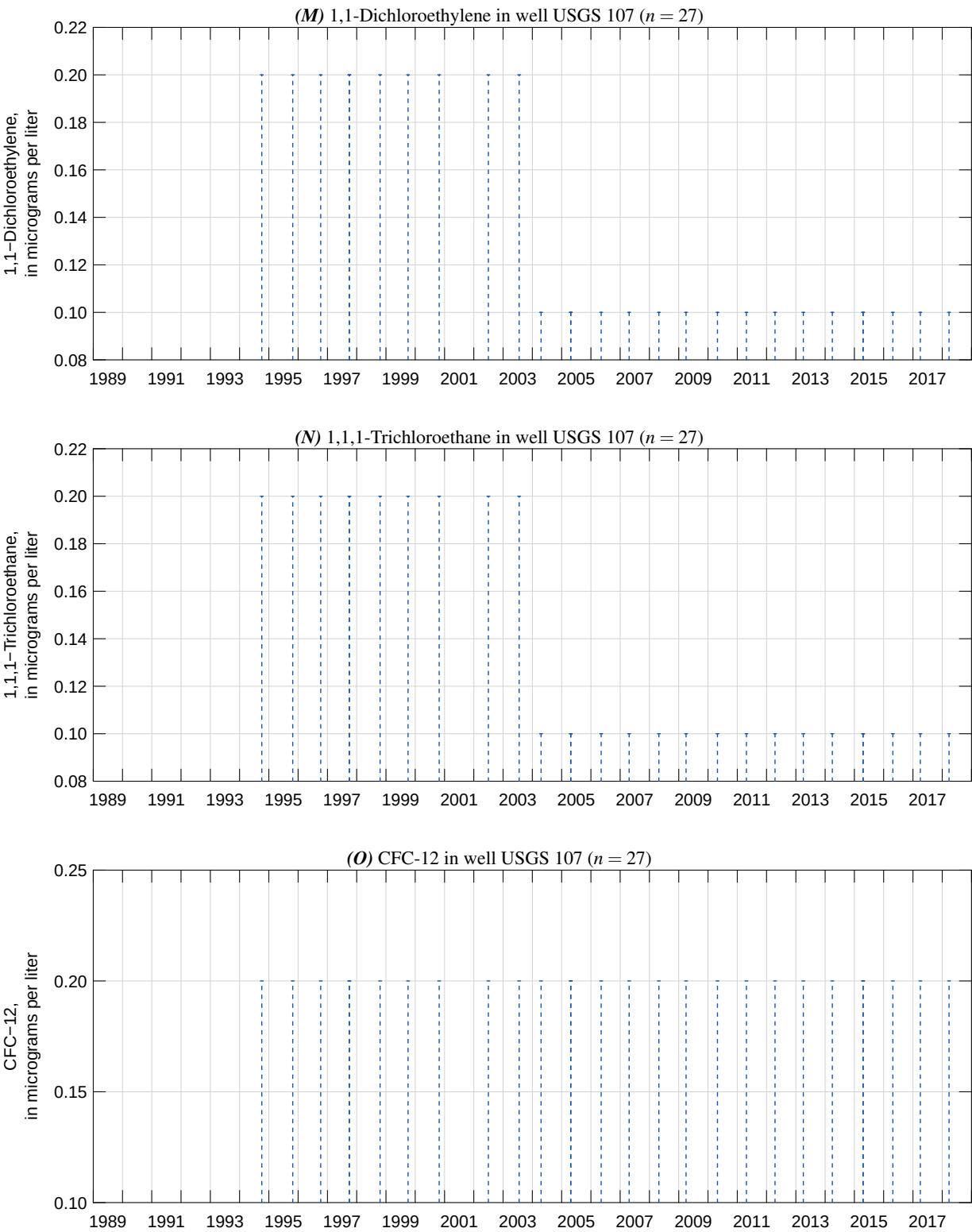


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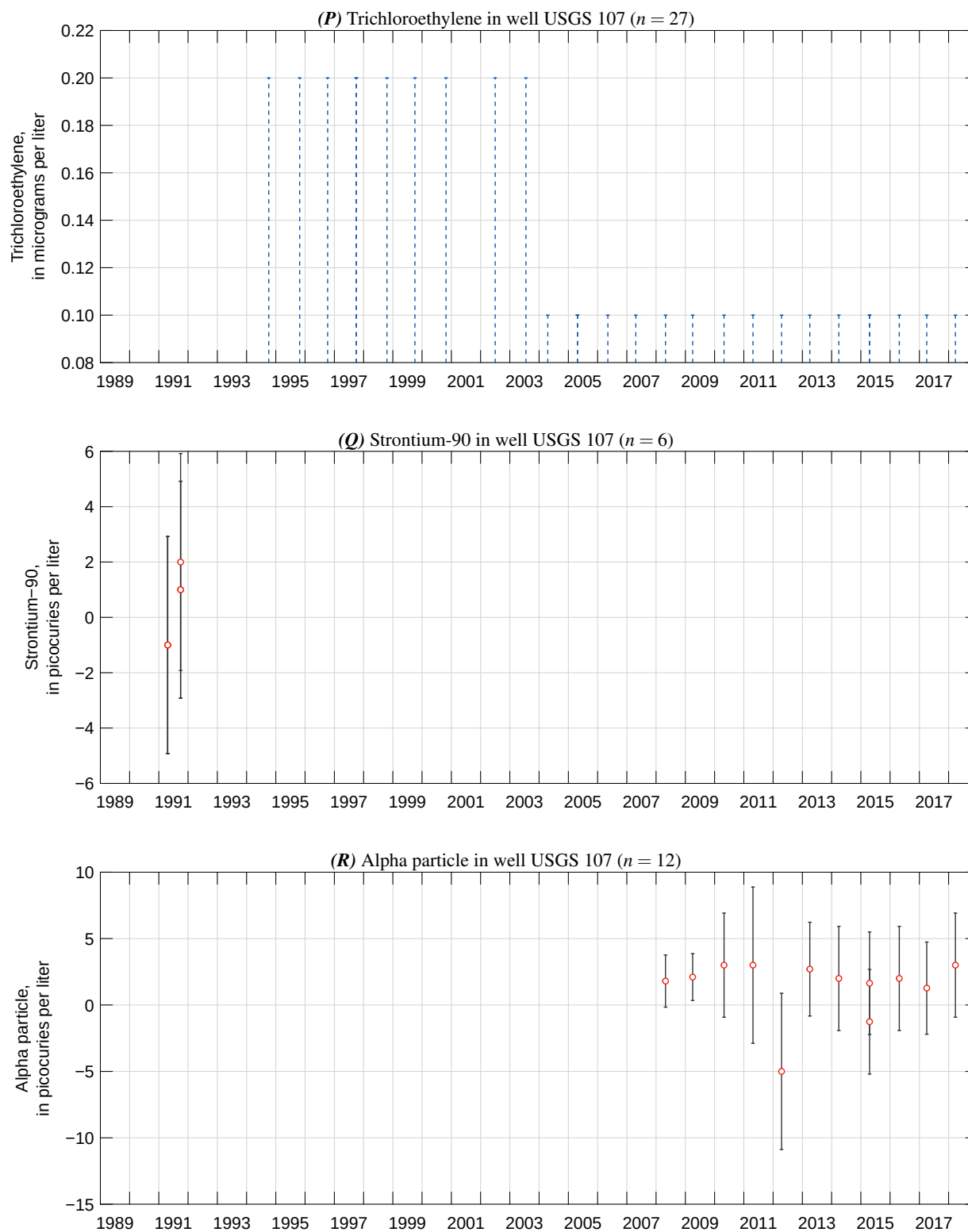
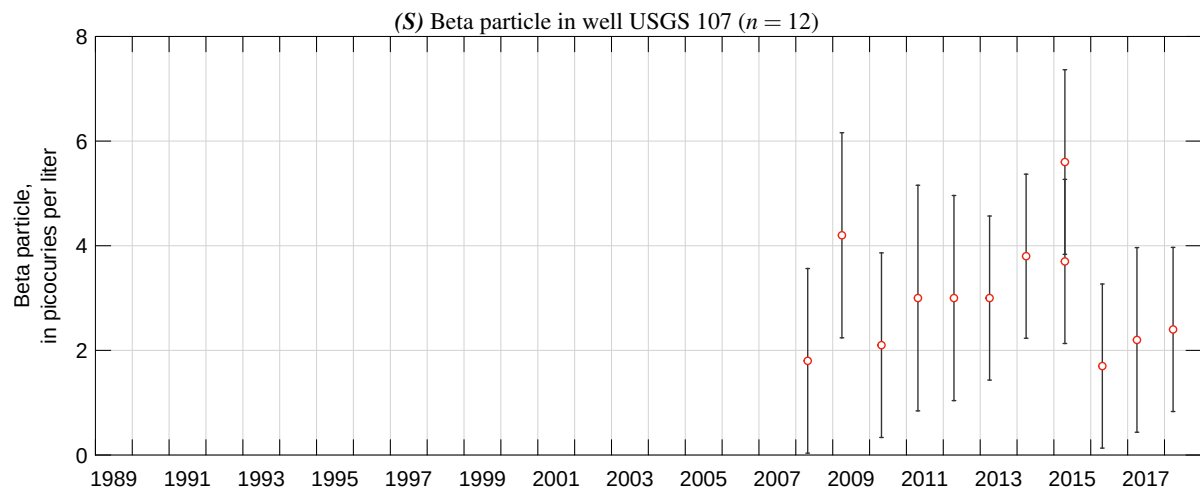


Figure 4.59. —Continued

**Figure 4.59.** —Continued

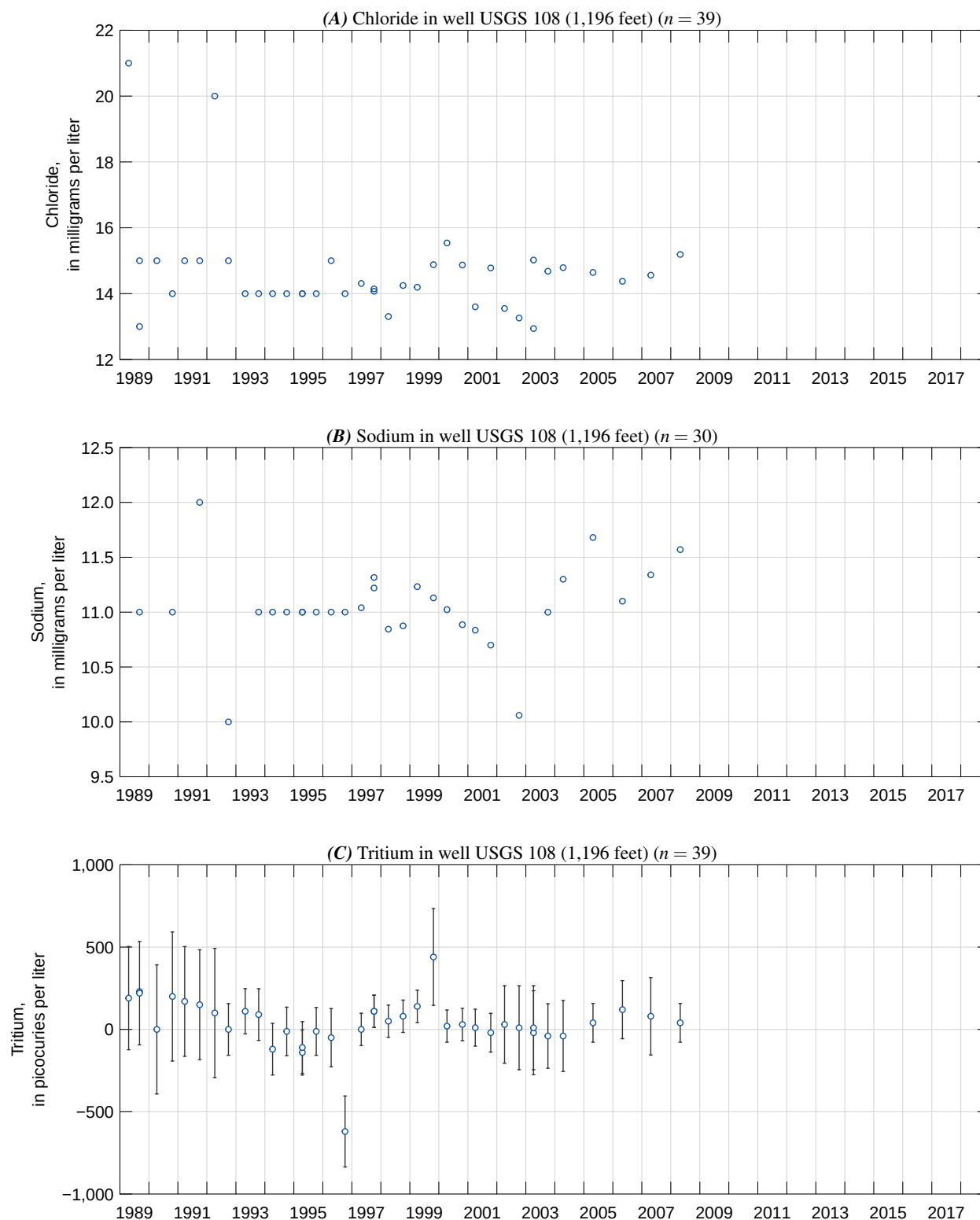


Figure 4.60. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, (R) plutonium-238, (S) alpha particle, and (T) beta particle concentrations in water collected from well USGS 108 (1,196 feet) (Site No. 432659112582601), Idaho National Laboratory, Idaho, 1989–2018.

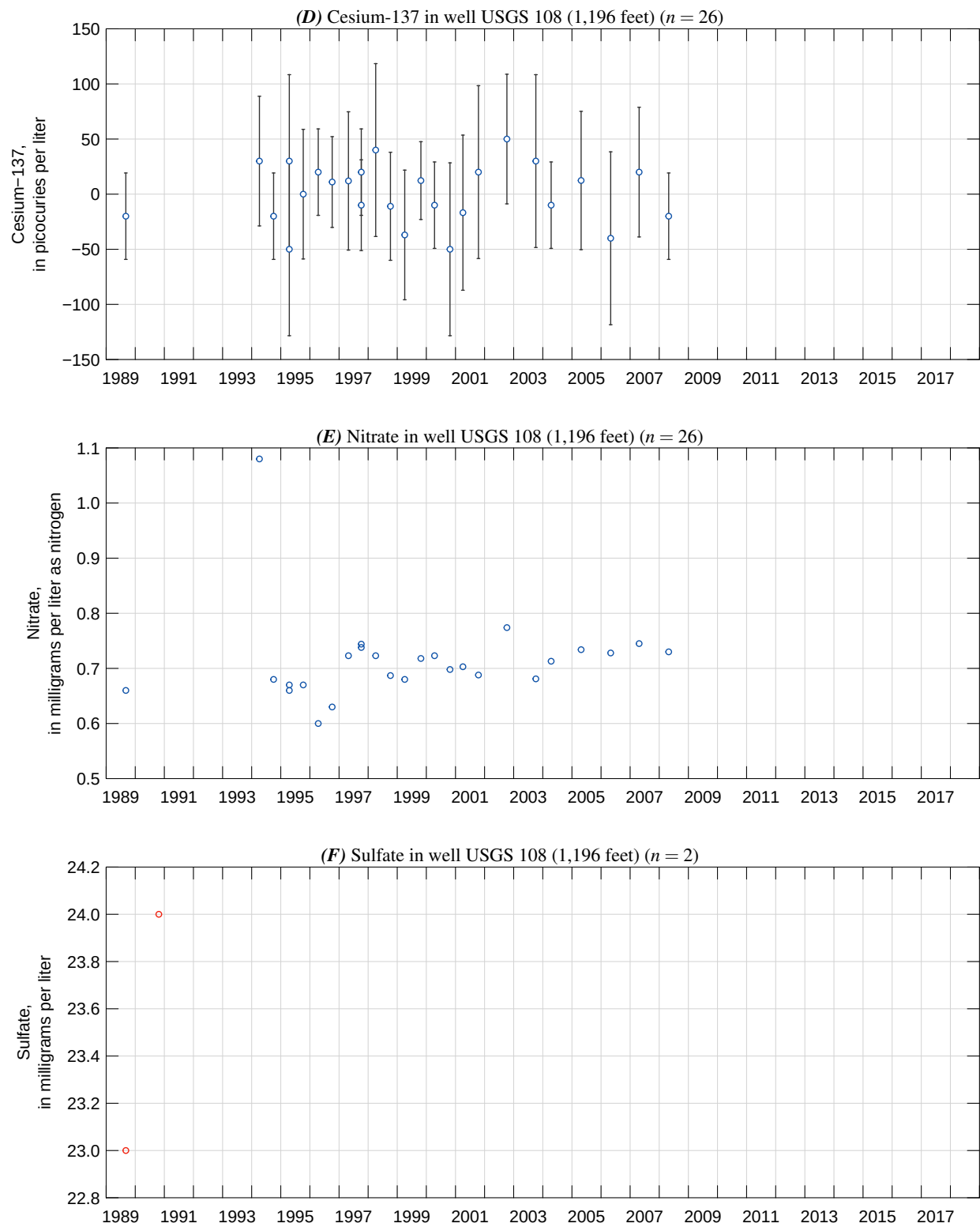


Figure 4.60. —Continued

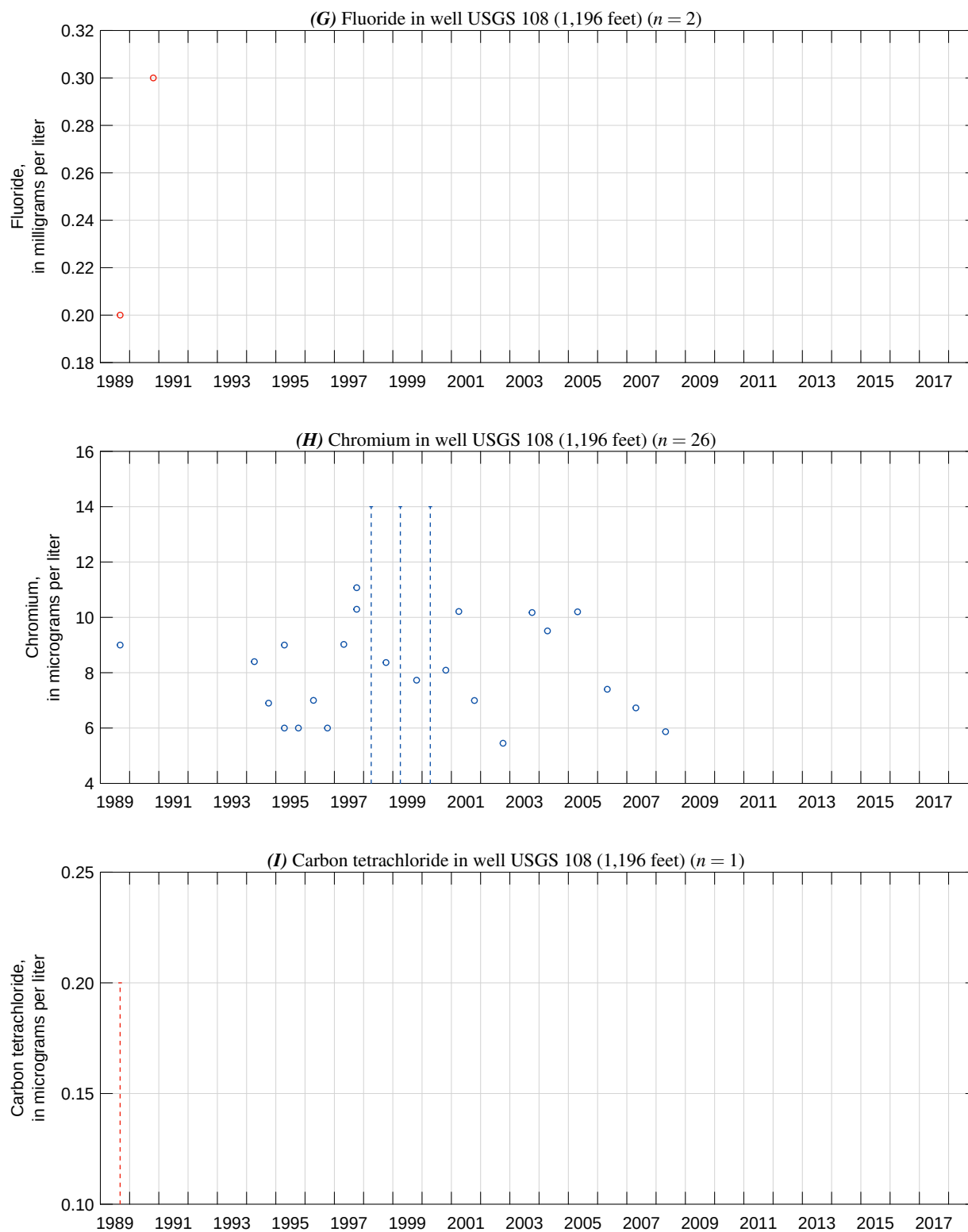


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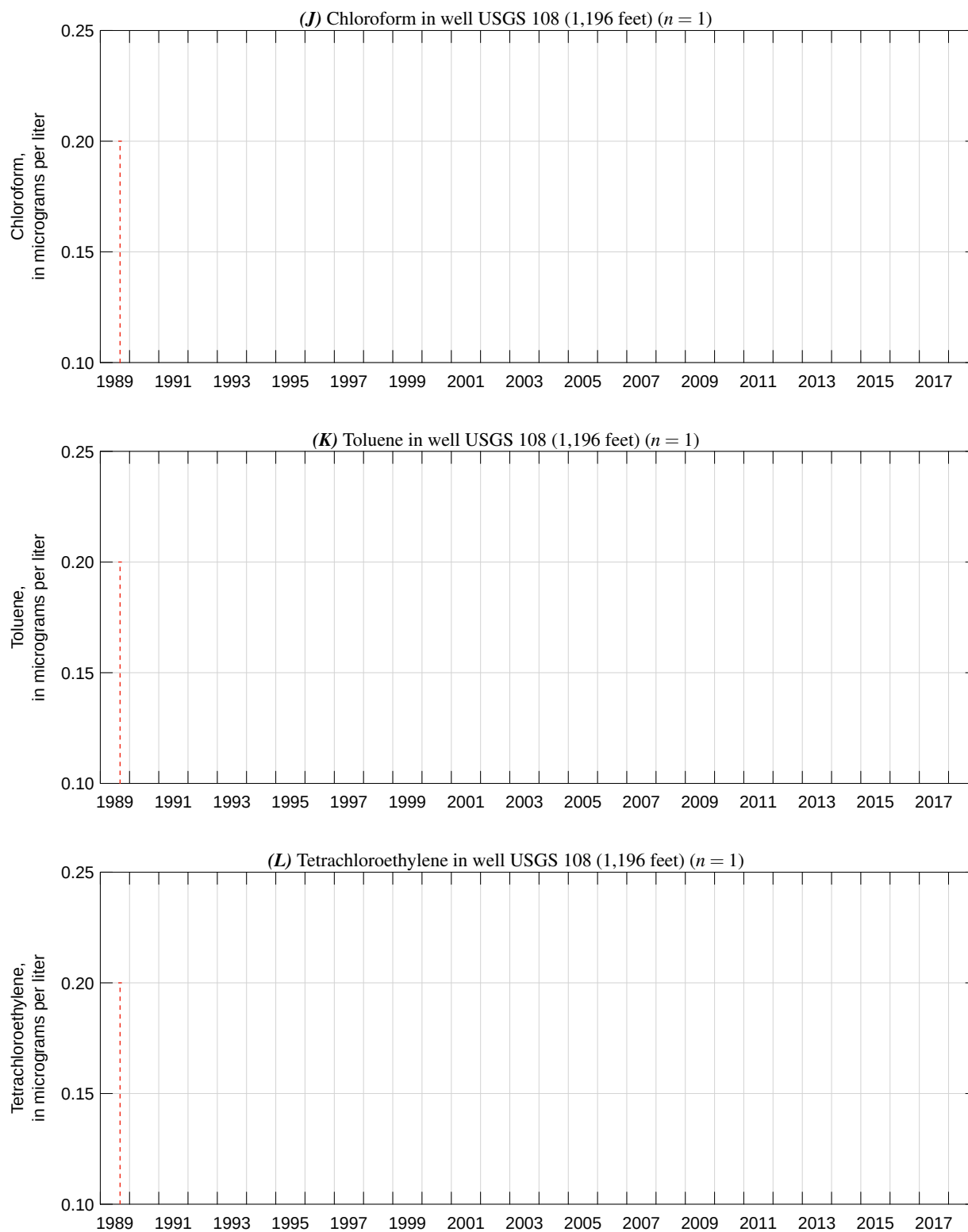


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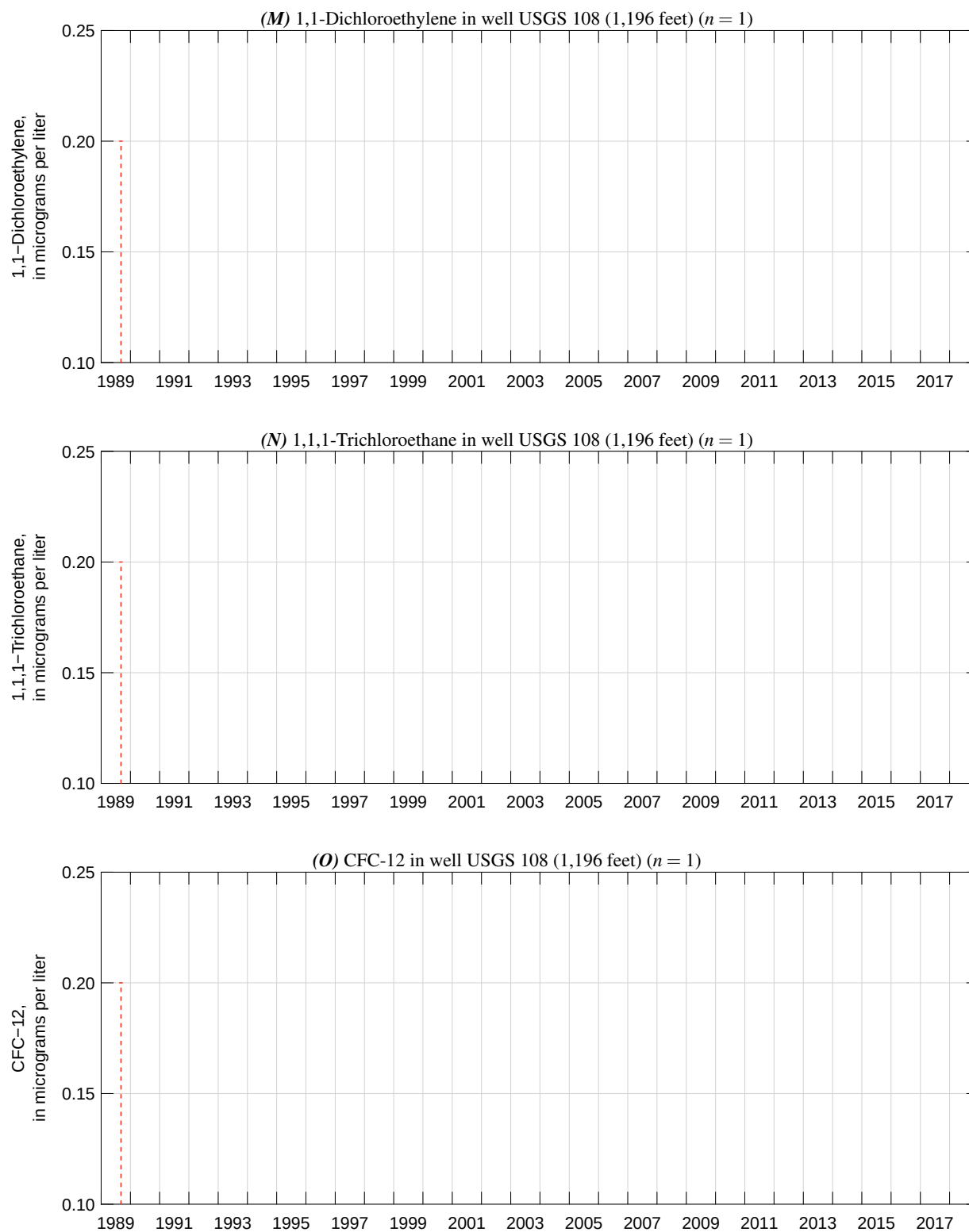


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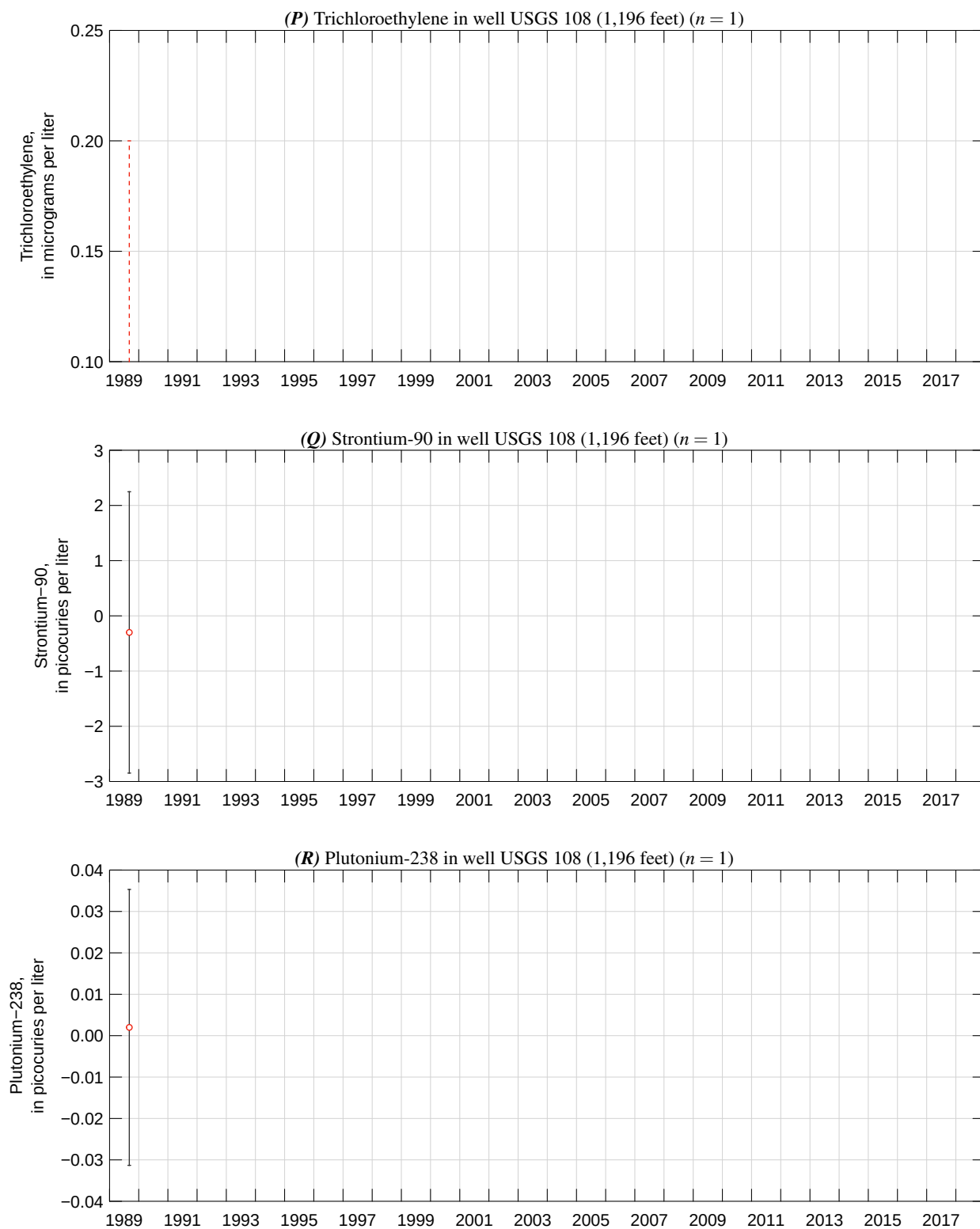


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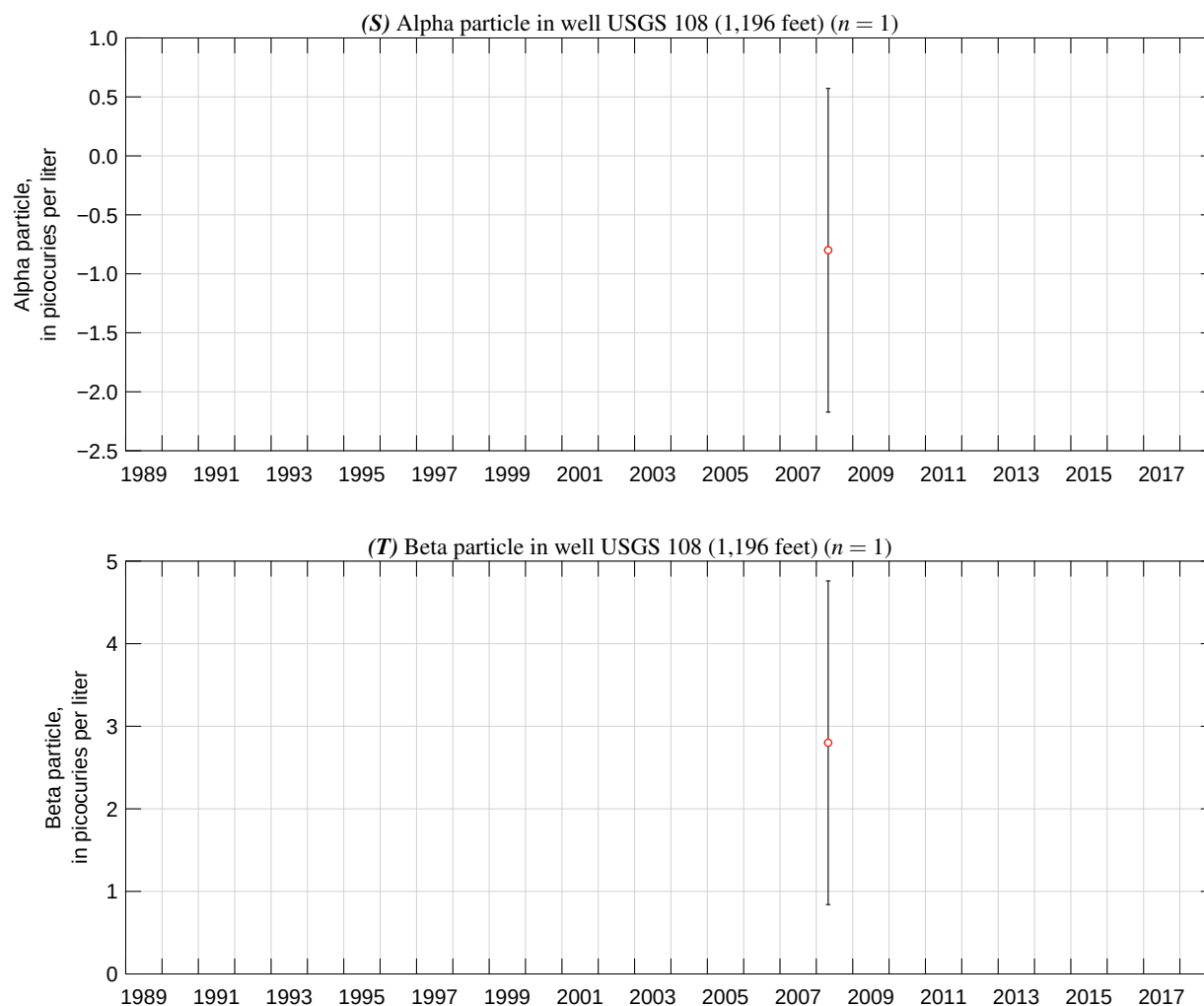


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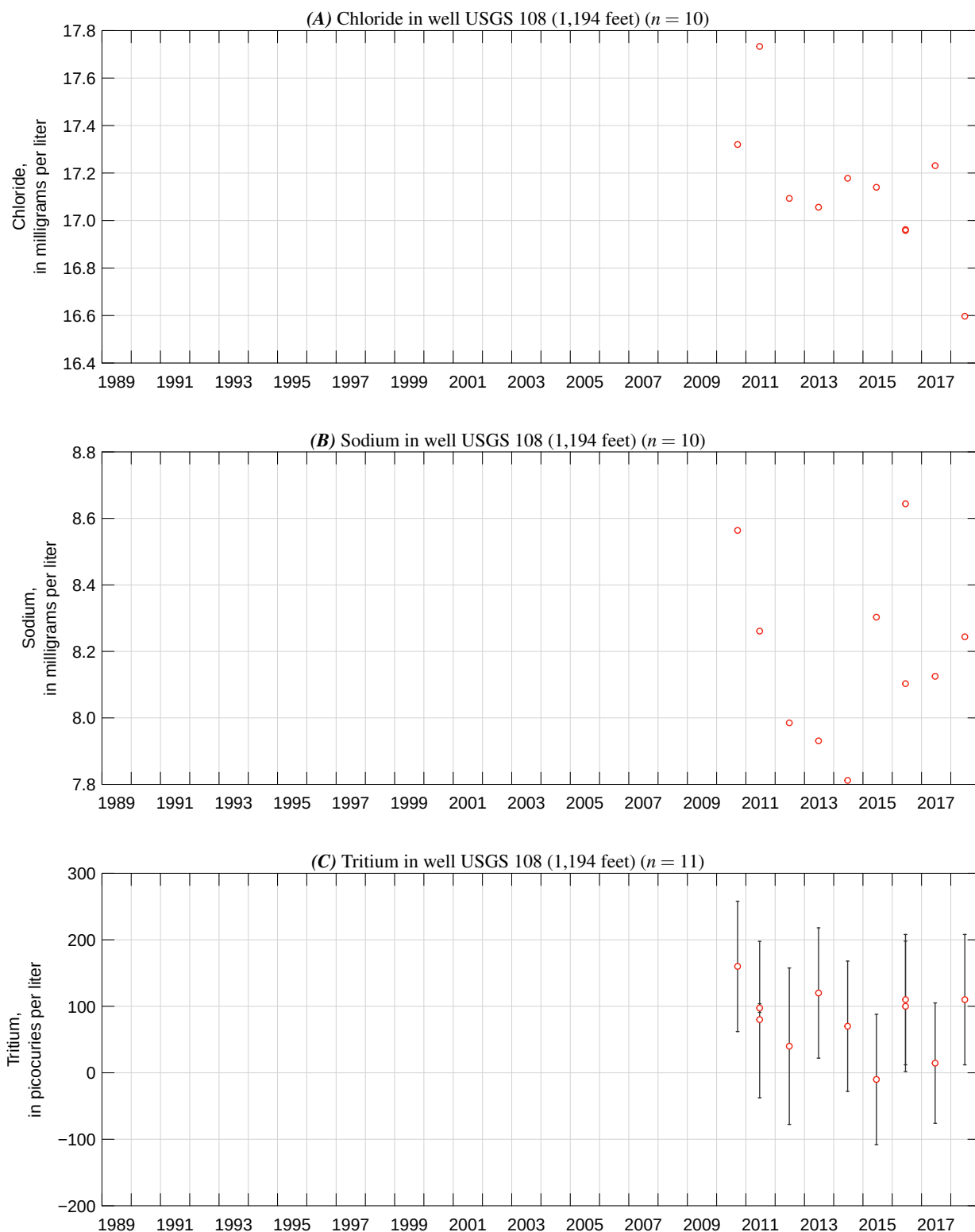


Figure 4.61. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) strontium-90, (J) plutonium-238, (K) alpha particle, and (L) beta particle concentrations in water collected from well USGS 108 (1,194 feet) (Site No. 432659112582602), Idaho National Laboratory, Idaho, 1989–2018.

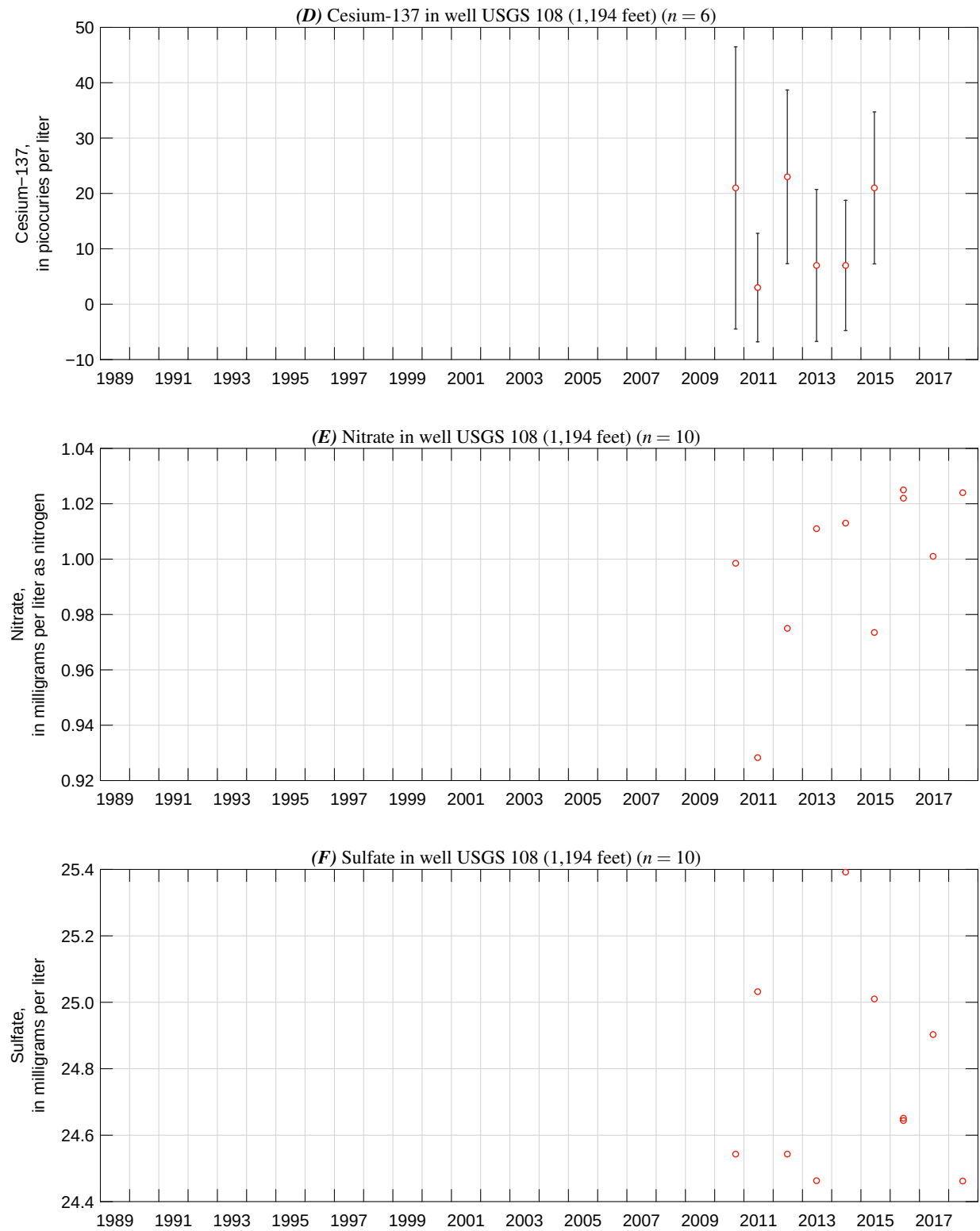


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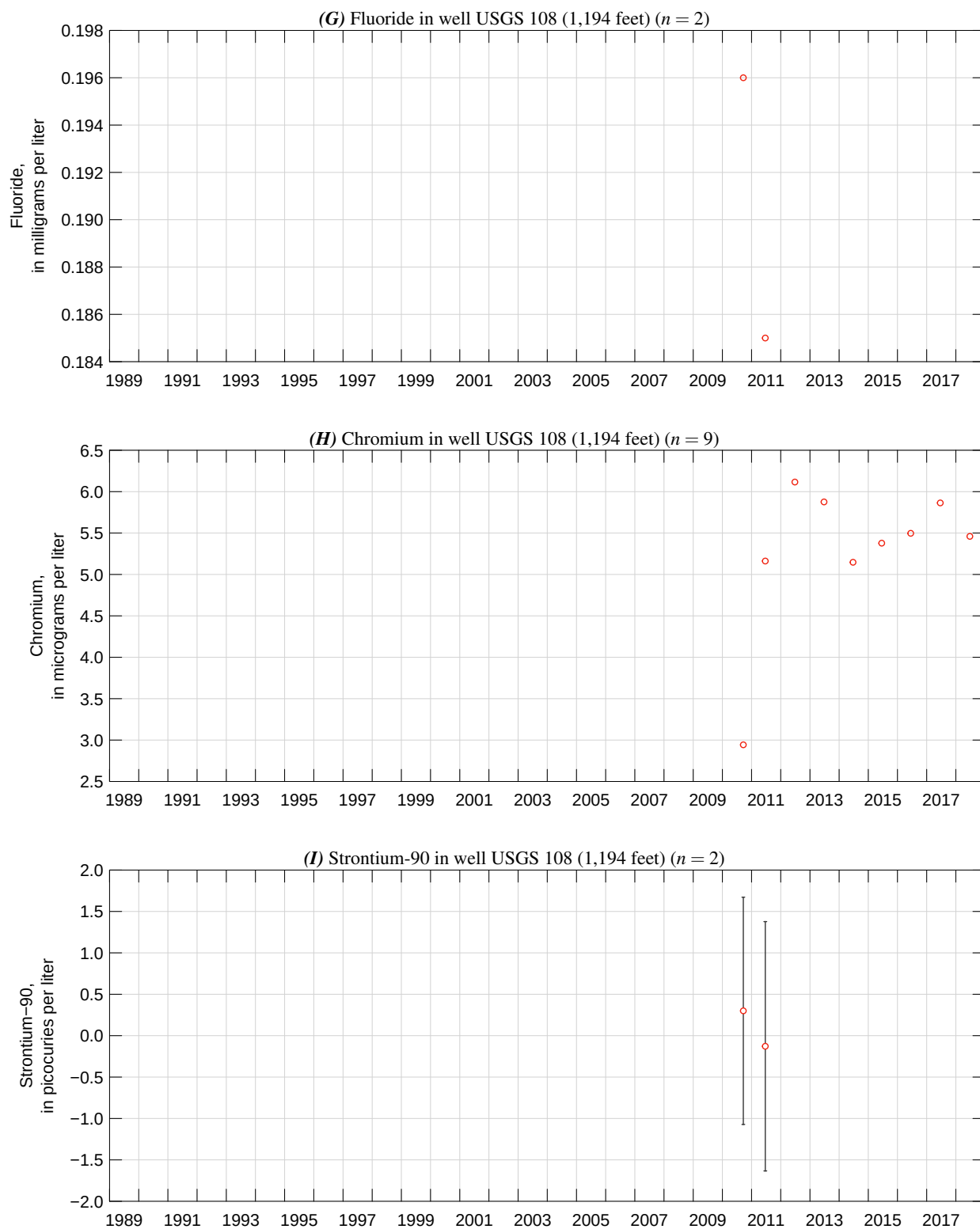


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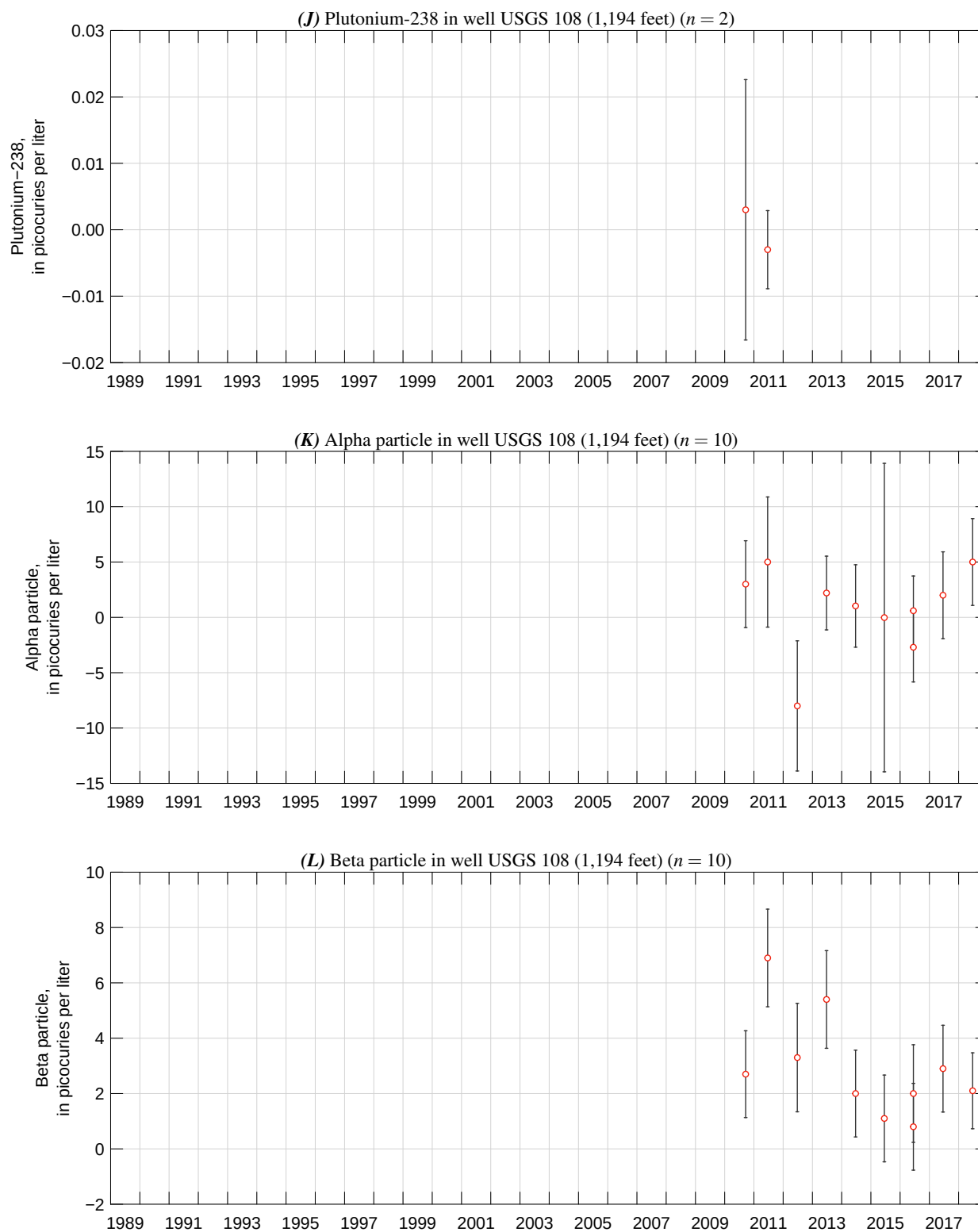


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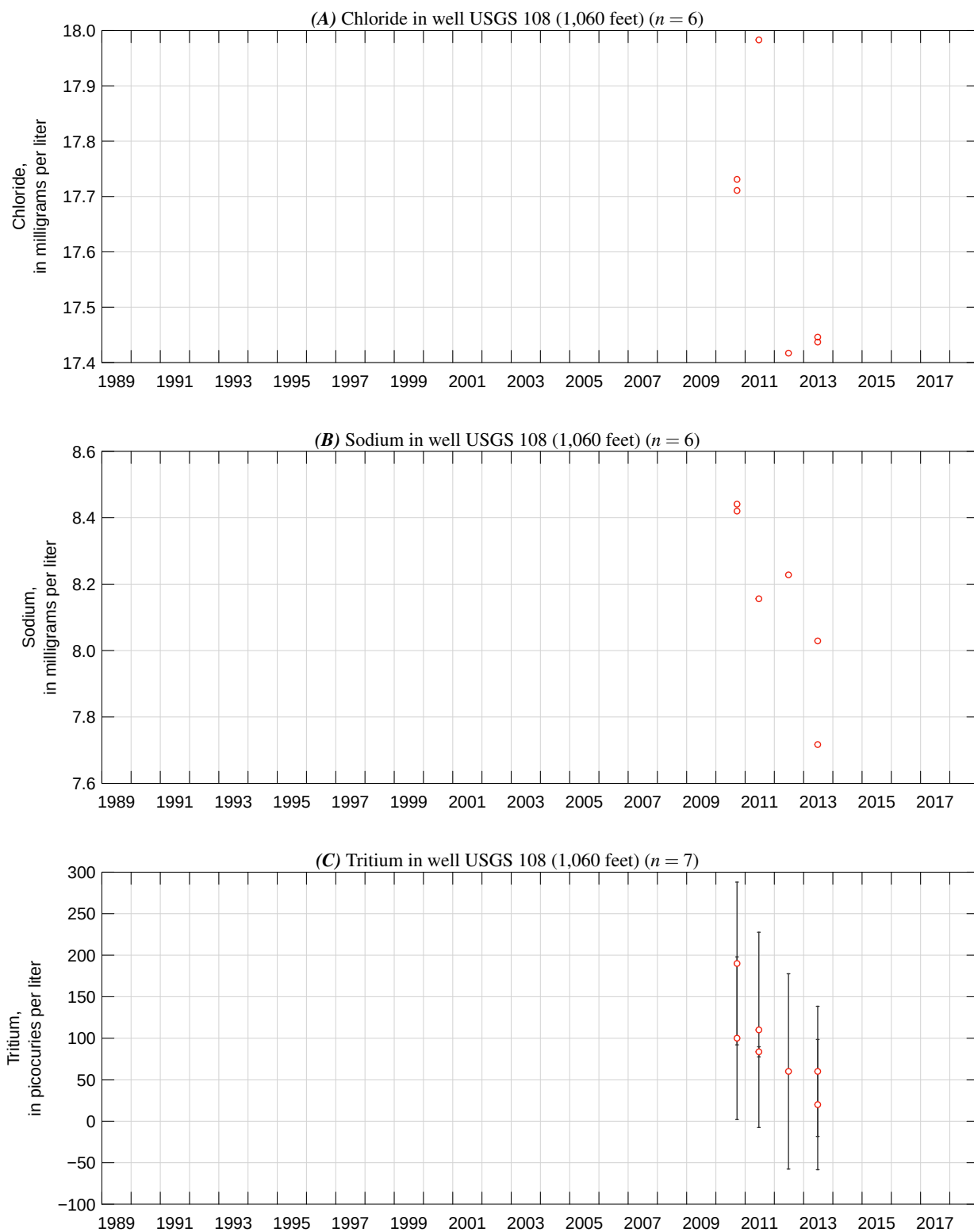


Figure 4.62. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) strontium-90, (J) plutonium-238, (K) alpha particle, and (L) beta particle concentrations in water collected from well USGS 108 (1,060 feet) (Site No. 432659112582606), Idaho National Laboratory, Idaho, 1989–2018.

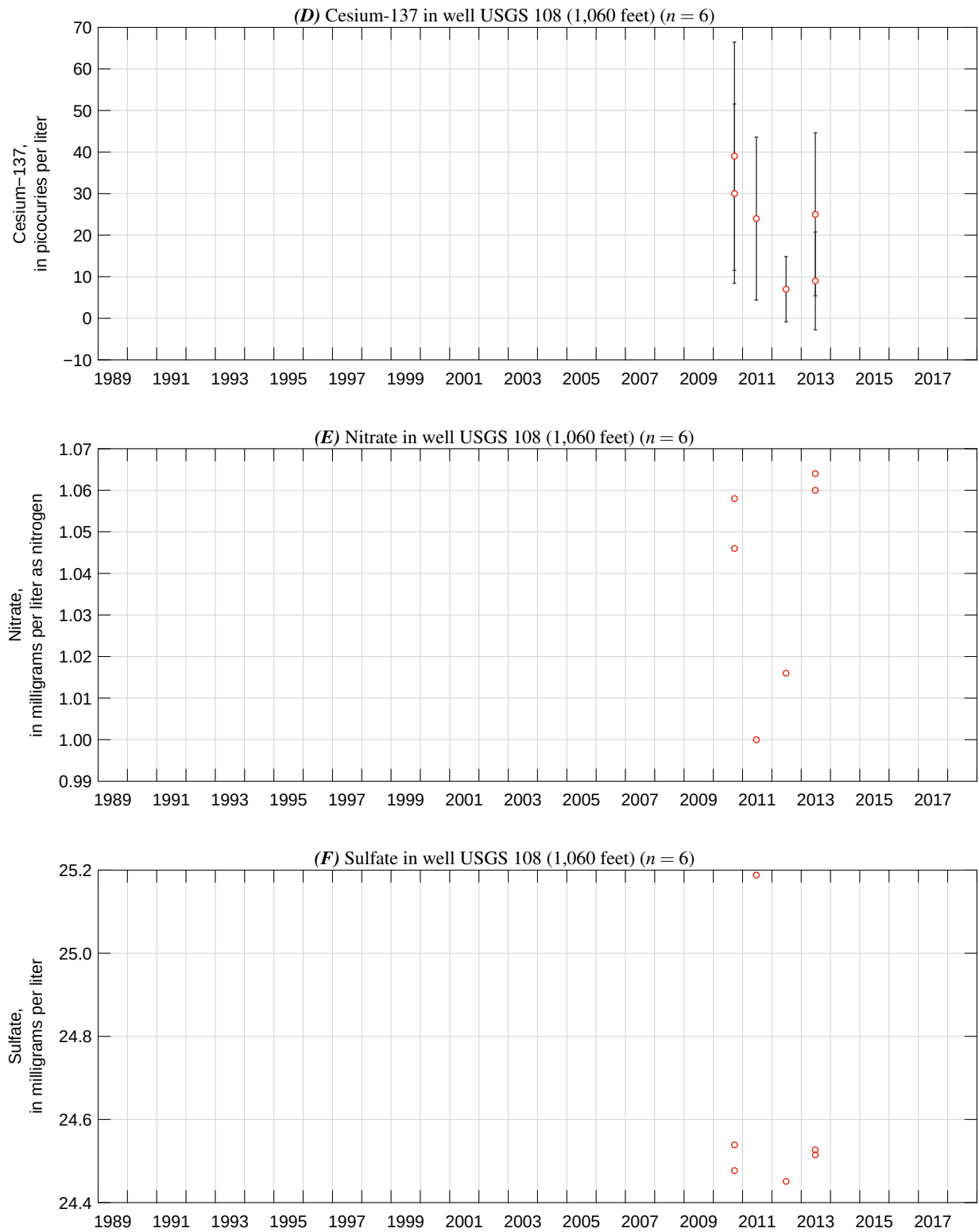


Figure 4.62. —Continued

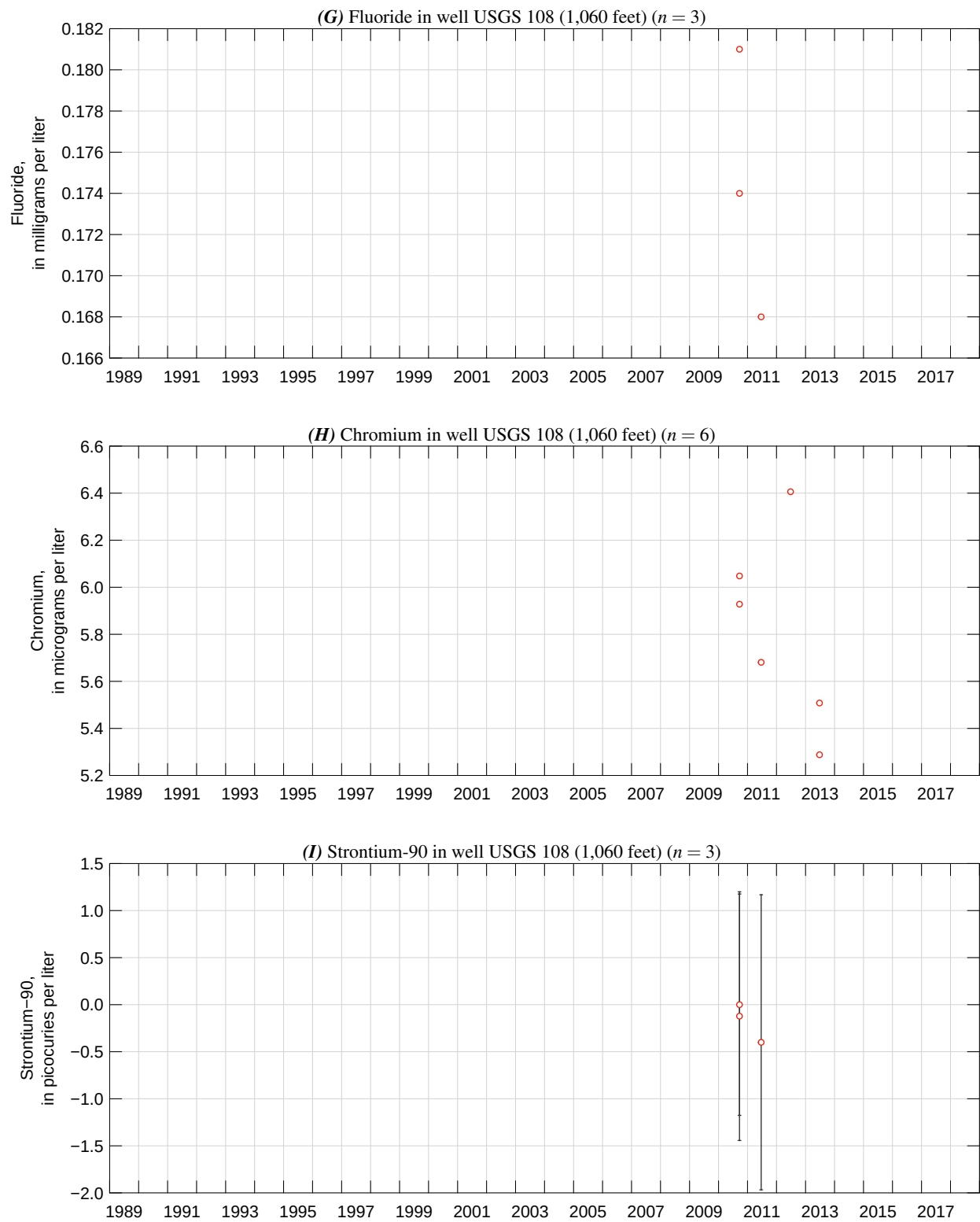
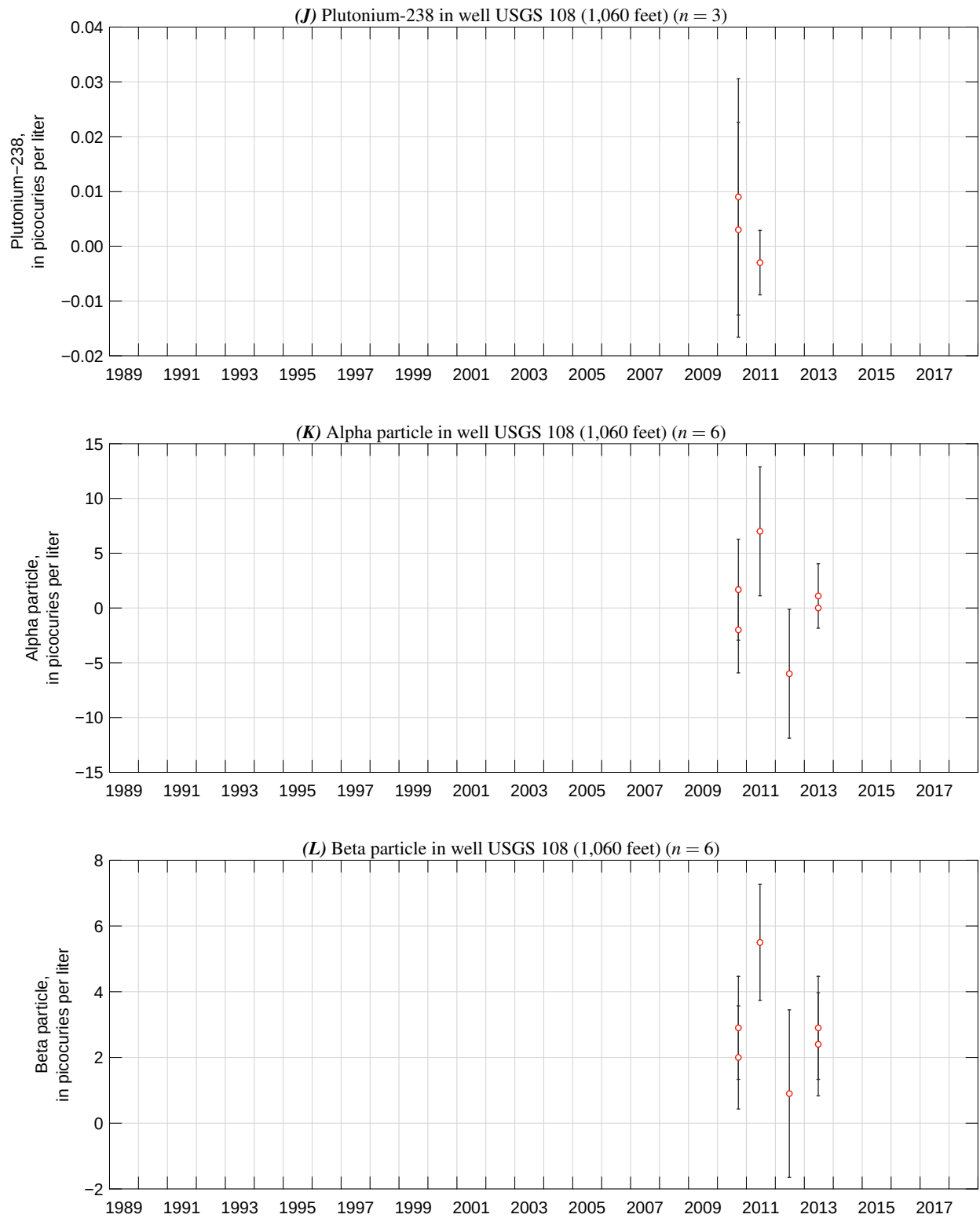


Figure 4.62. —Continued



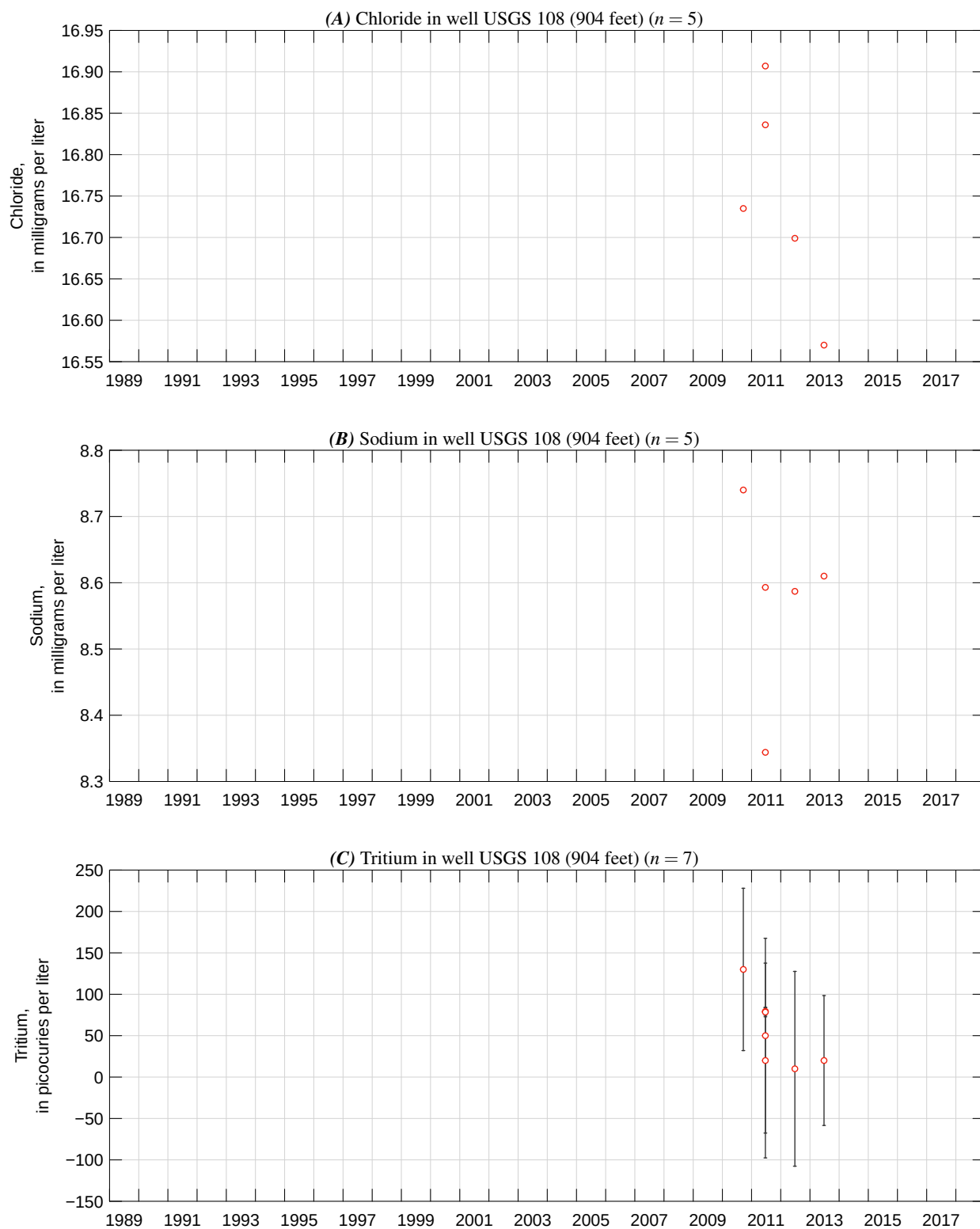


Figure 4.63. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) strontium-90, (J) plutonium-238, (K) alpha particle, and (L) beta particle concentrations in water collected from well USGS 108 (904 feet) (Site No. 432659112582610), Idaho National Laboratory, Idaho, 1989–2018.

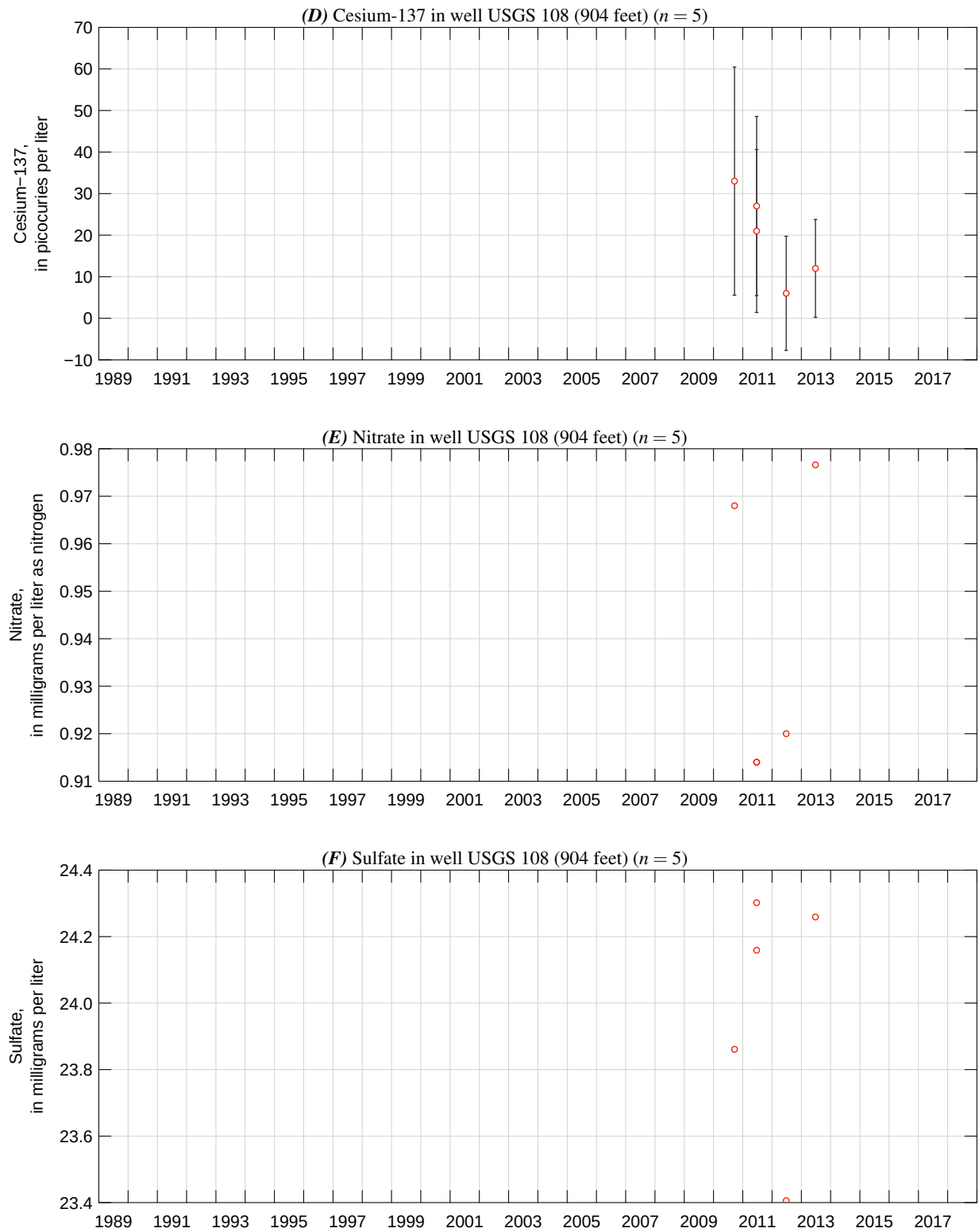


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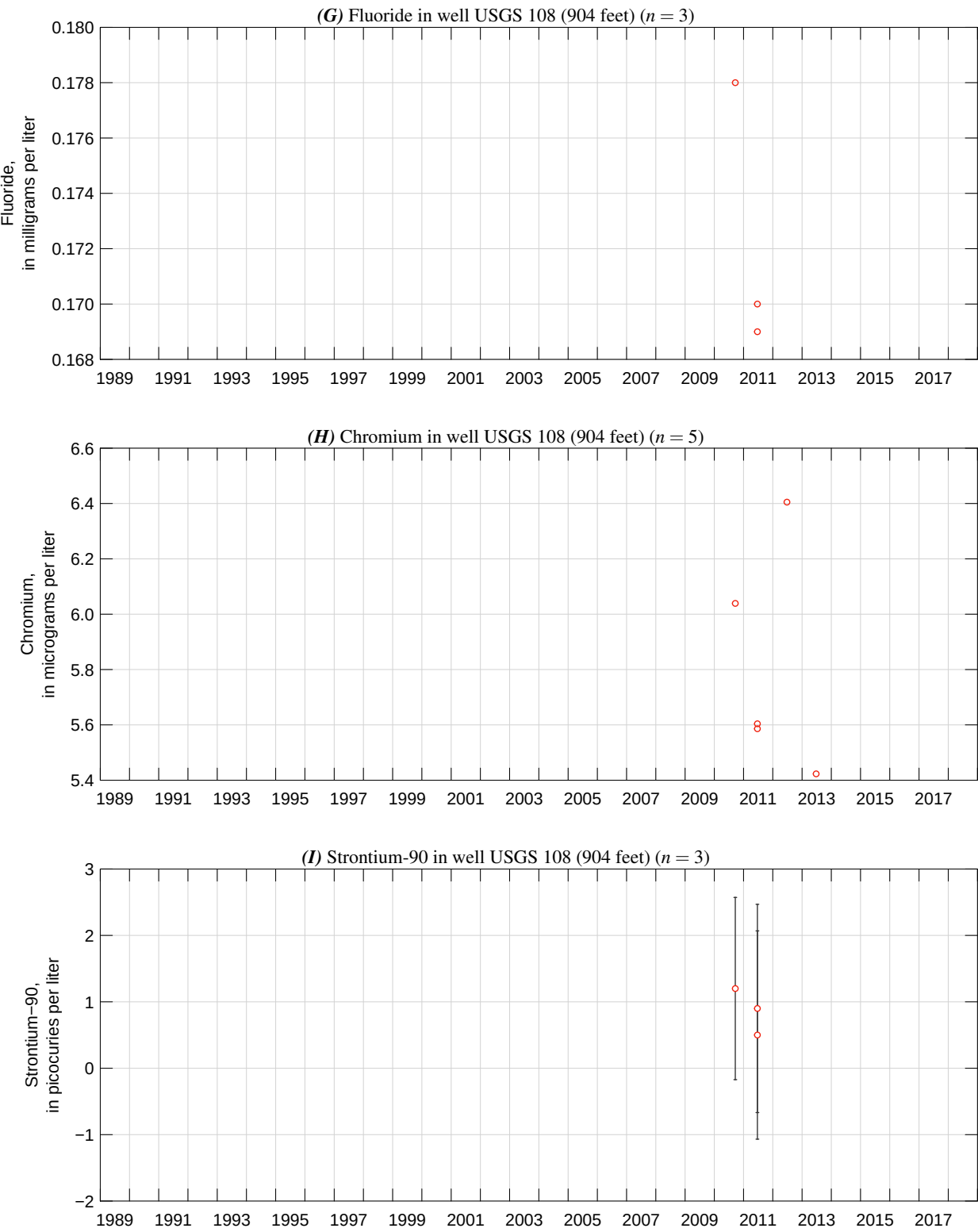


Figure 4.63. —Continued

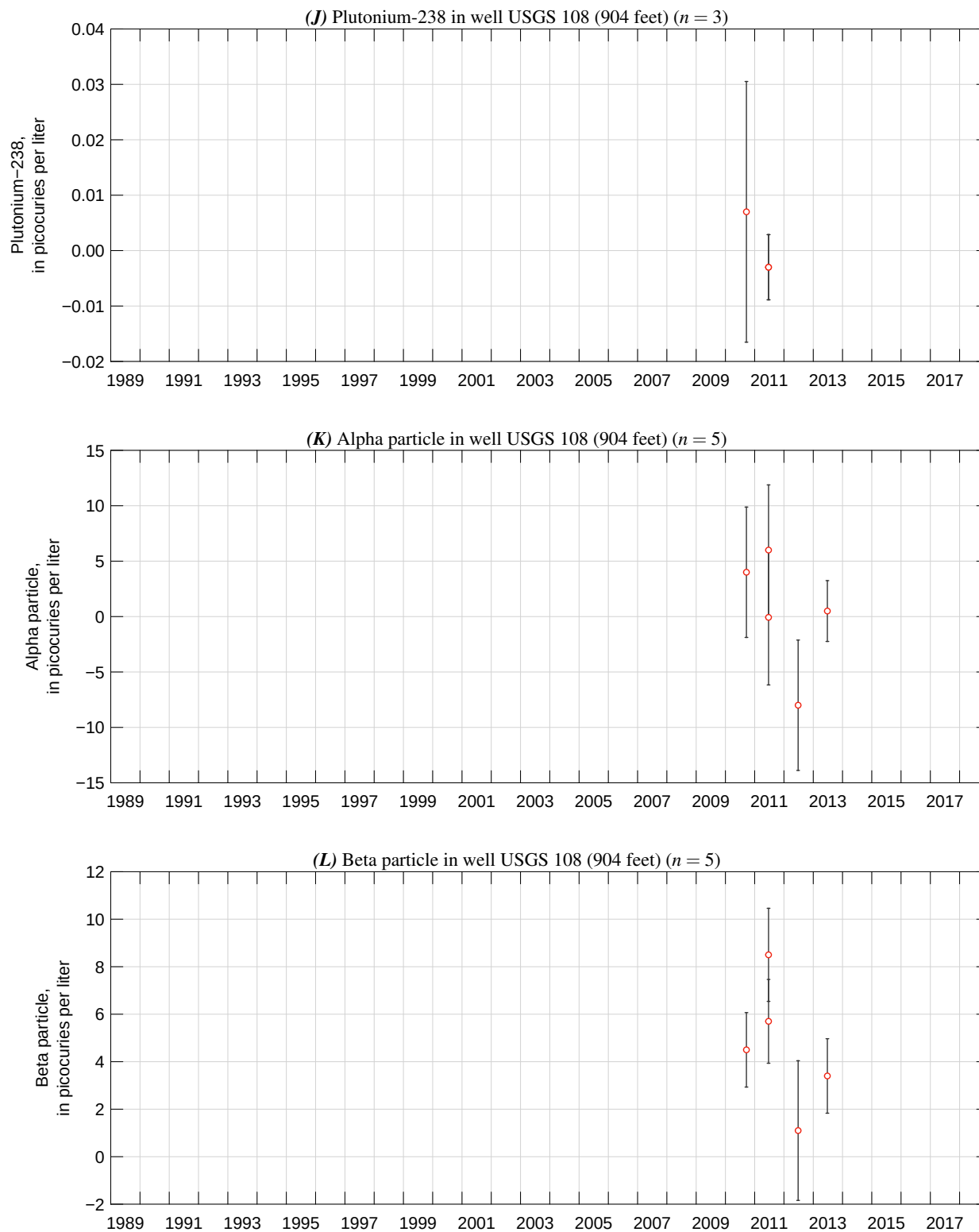


Figure 4.63. —Continued

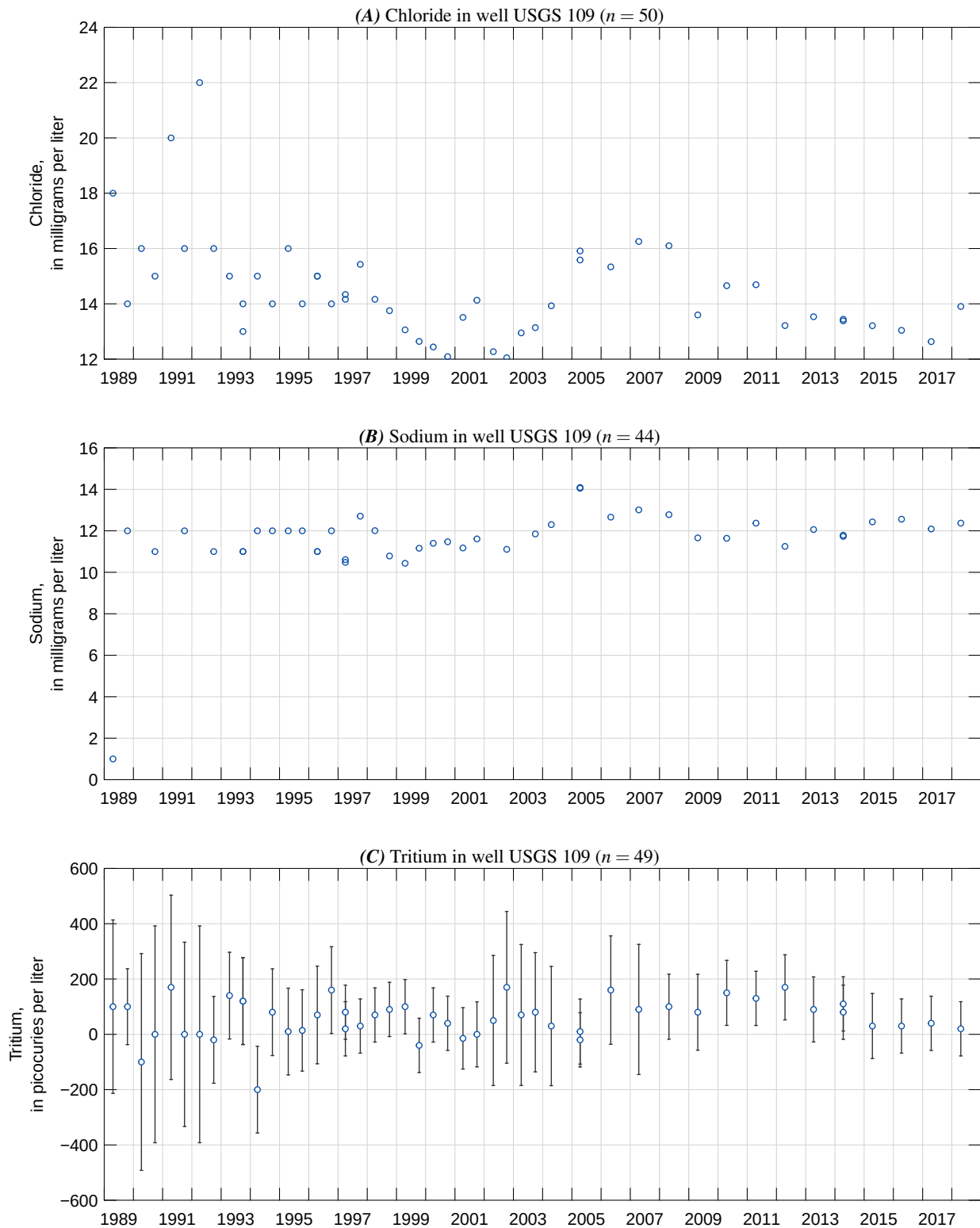


Figure 4.64. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) alpha particle, and (J) beta particle concentrations in water collected from well USGS 109 (Site No. 432701113025601), Idaho National Laboratory, Idaho, 1989–2018.

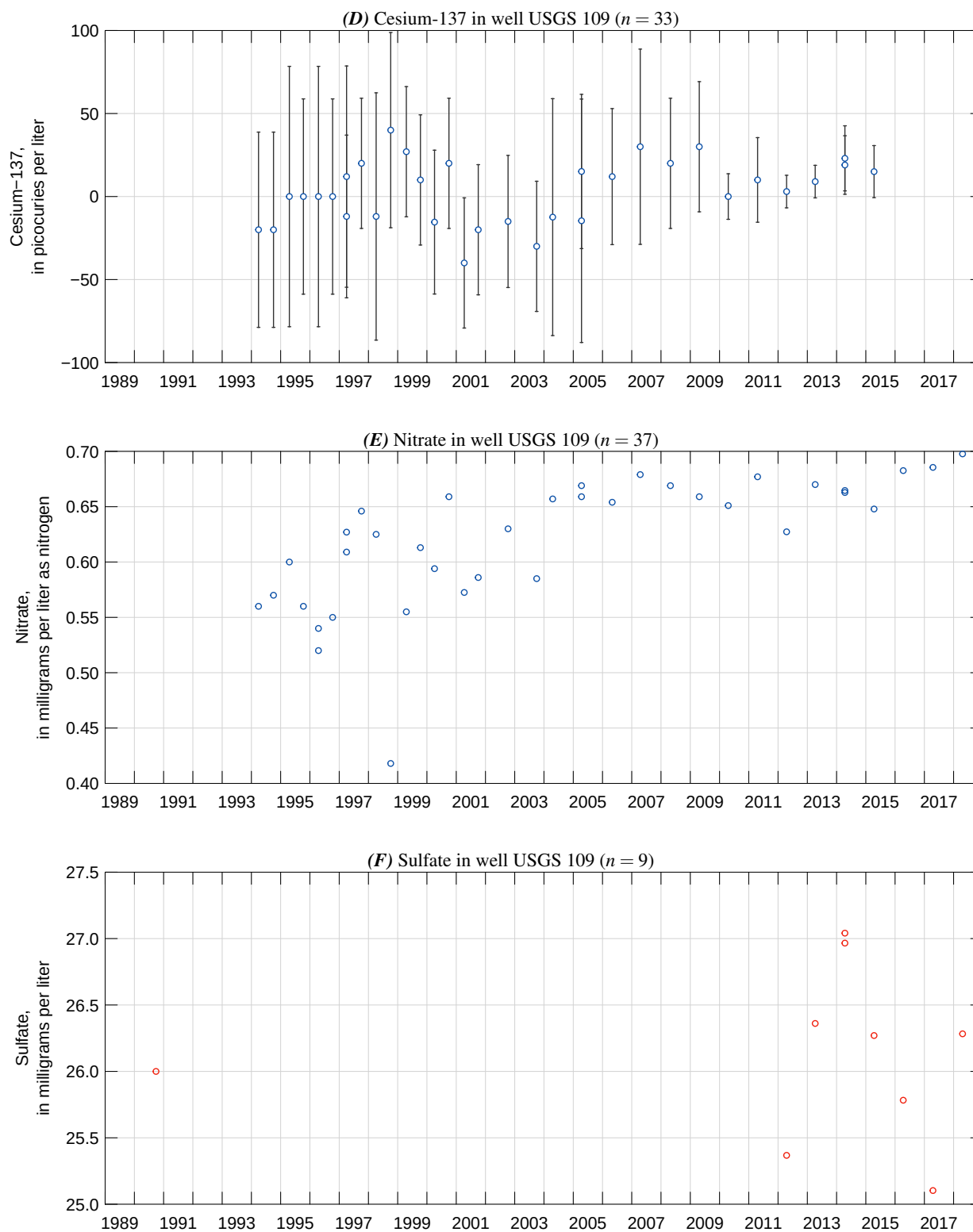


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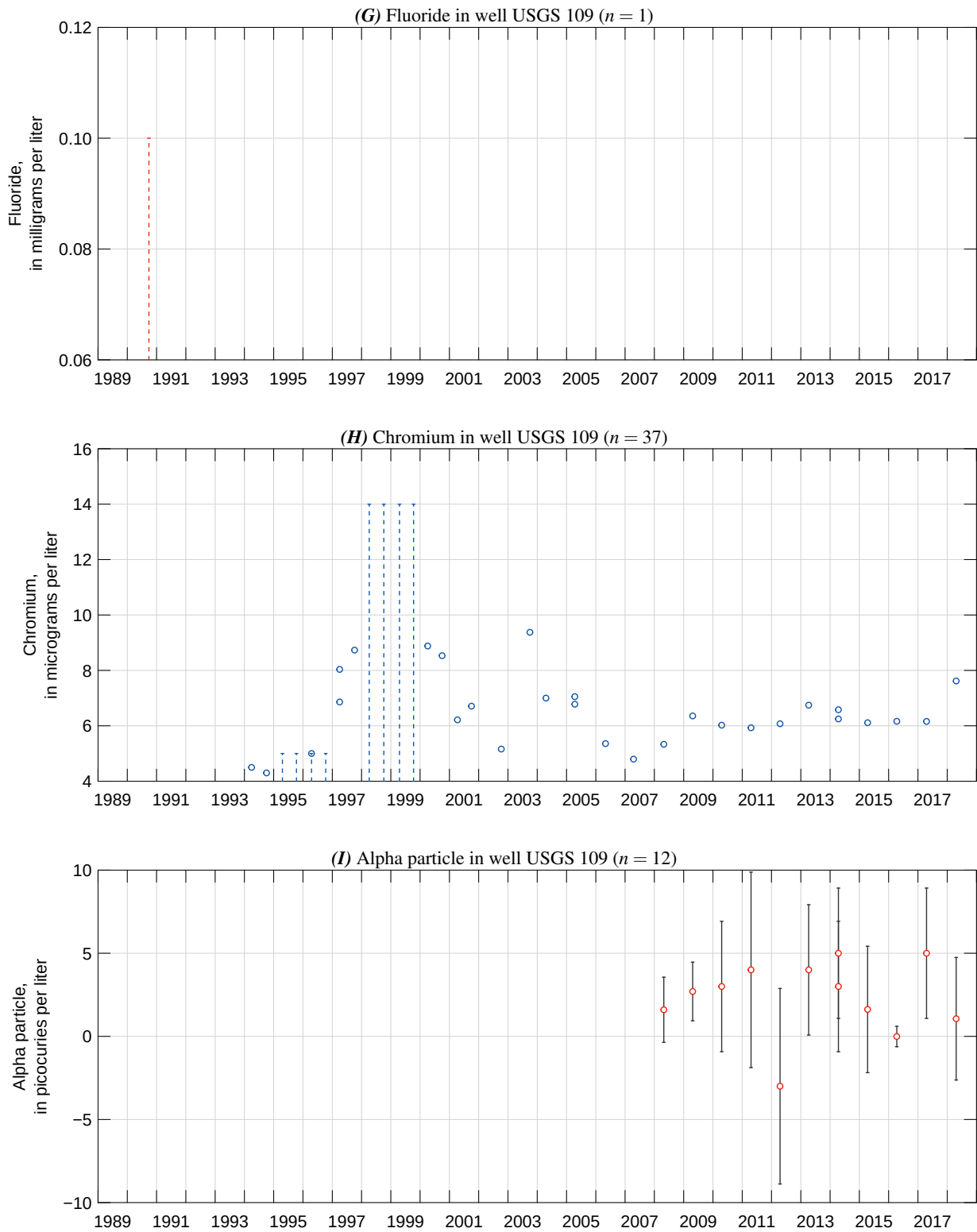


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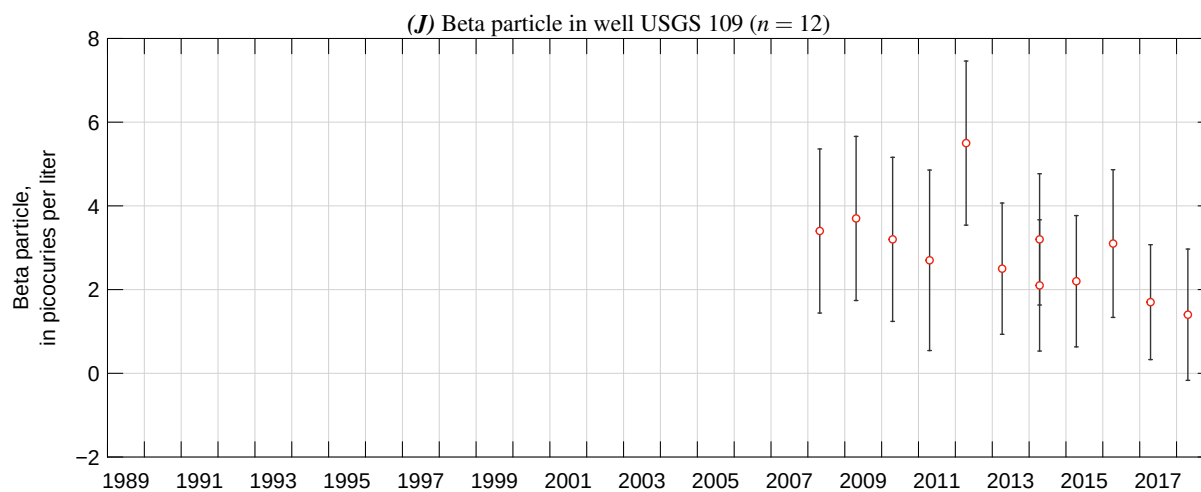


Figure 4.64. —Continued

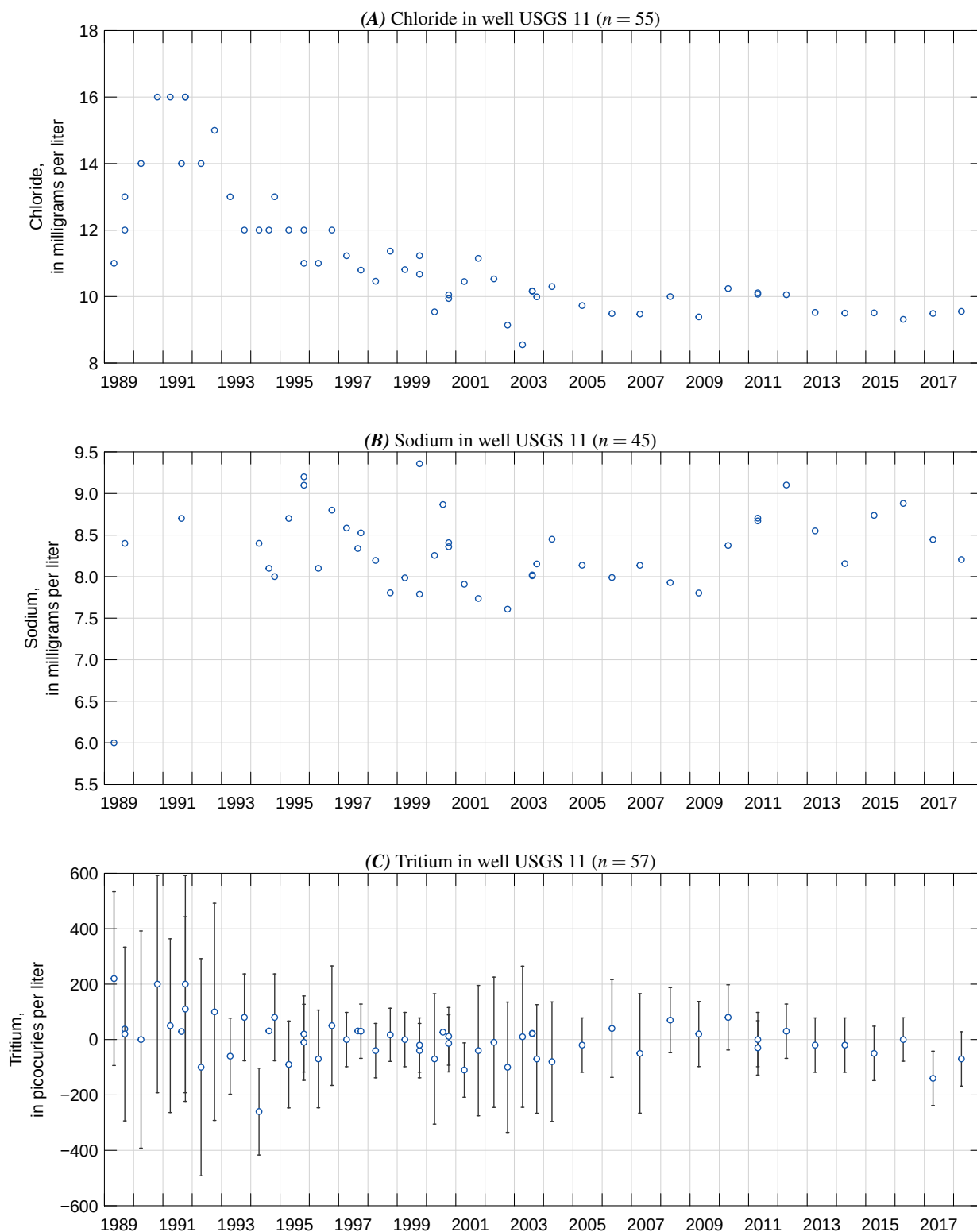


Figure 4.65. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, (R) plutonium-238, (S) alpha particle, and (T) beta particle concentrations in water collected from well USGS 11 (Site No. 432336113064201), Idaho National Laboratory, Idaho, 1989–2018.

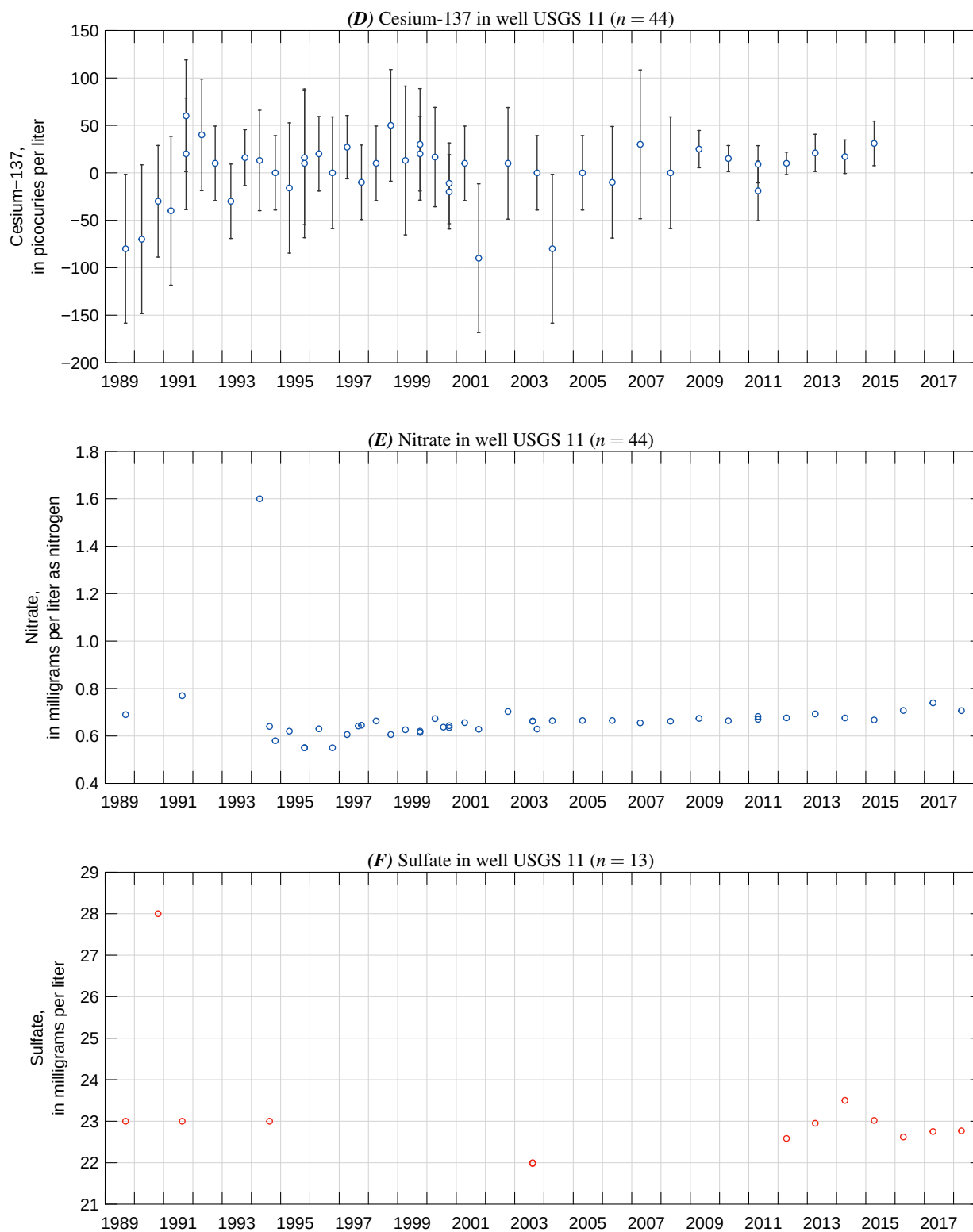


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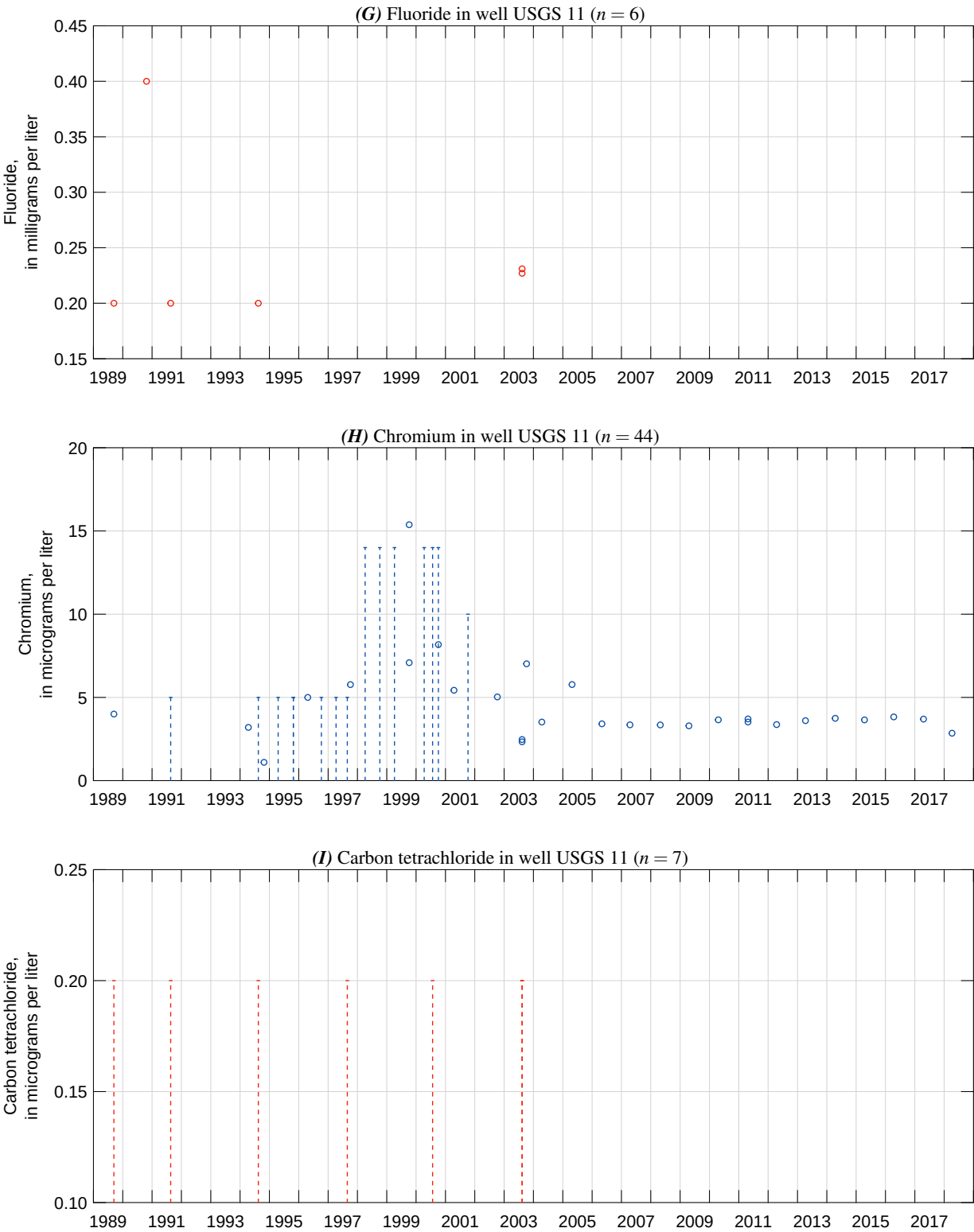


Figure 4.65. —Continued

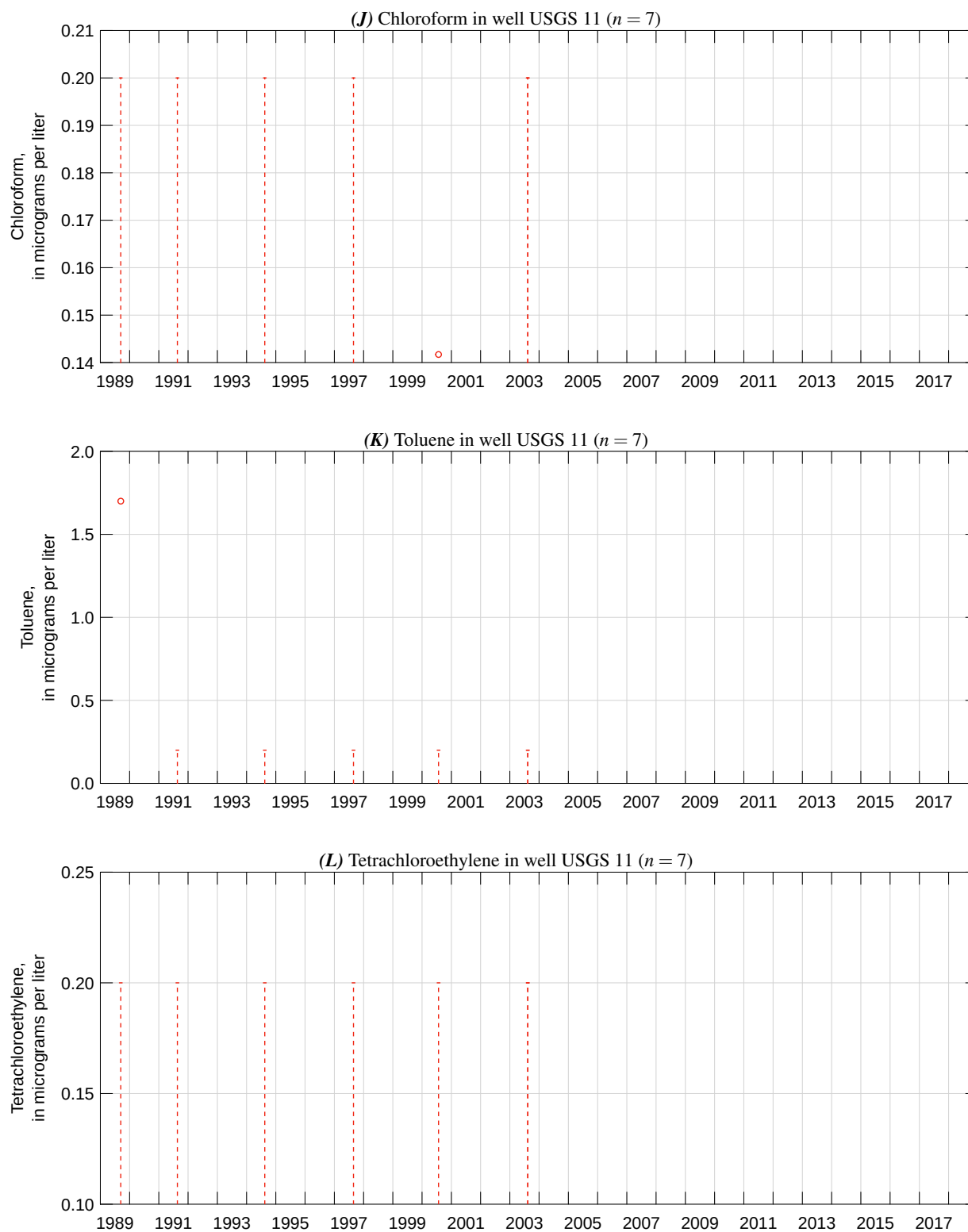


Figure 4.65. —Continued

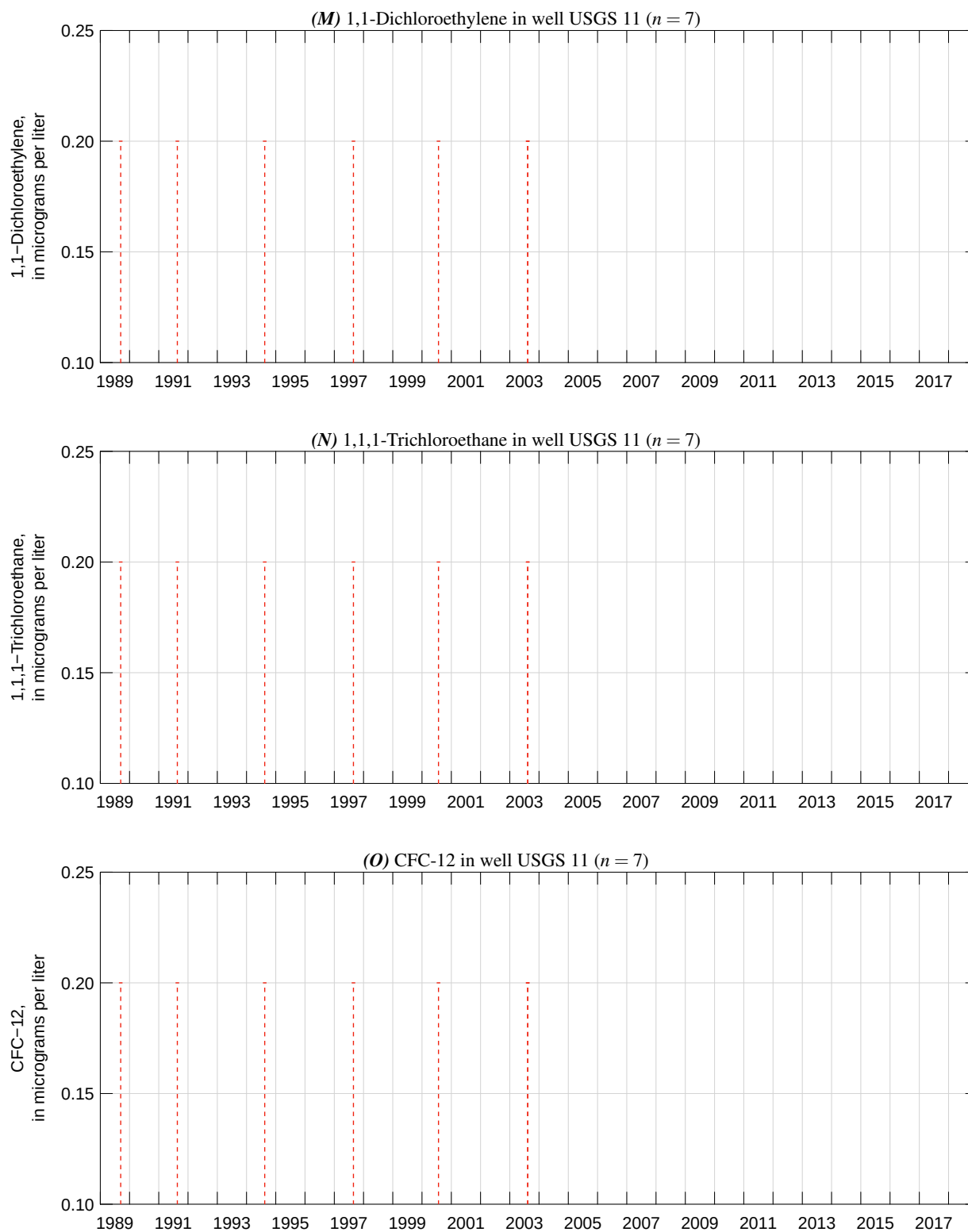


Figure 4.65. —Continued

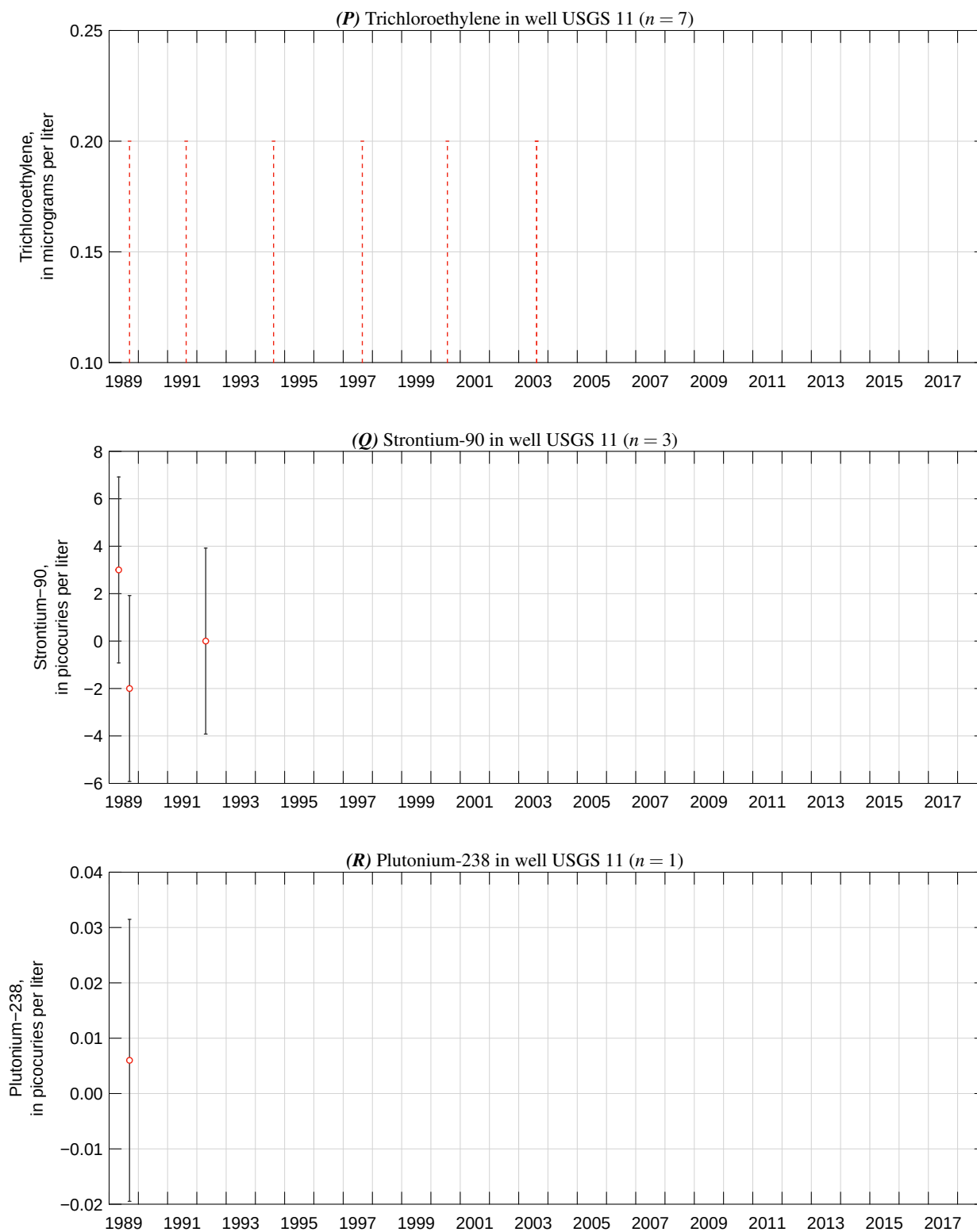


Figure 4.65. —Continued

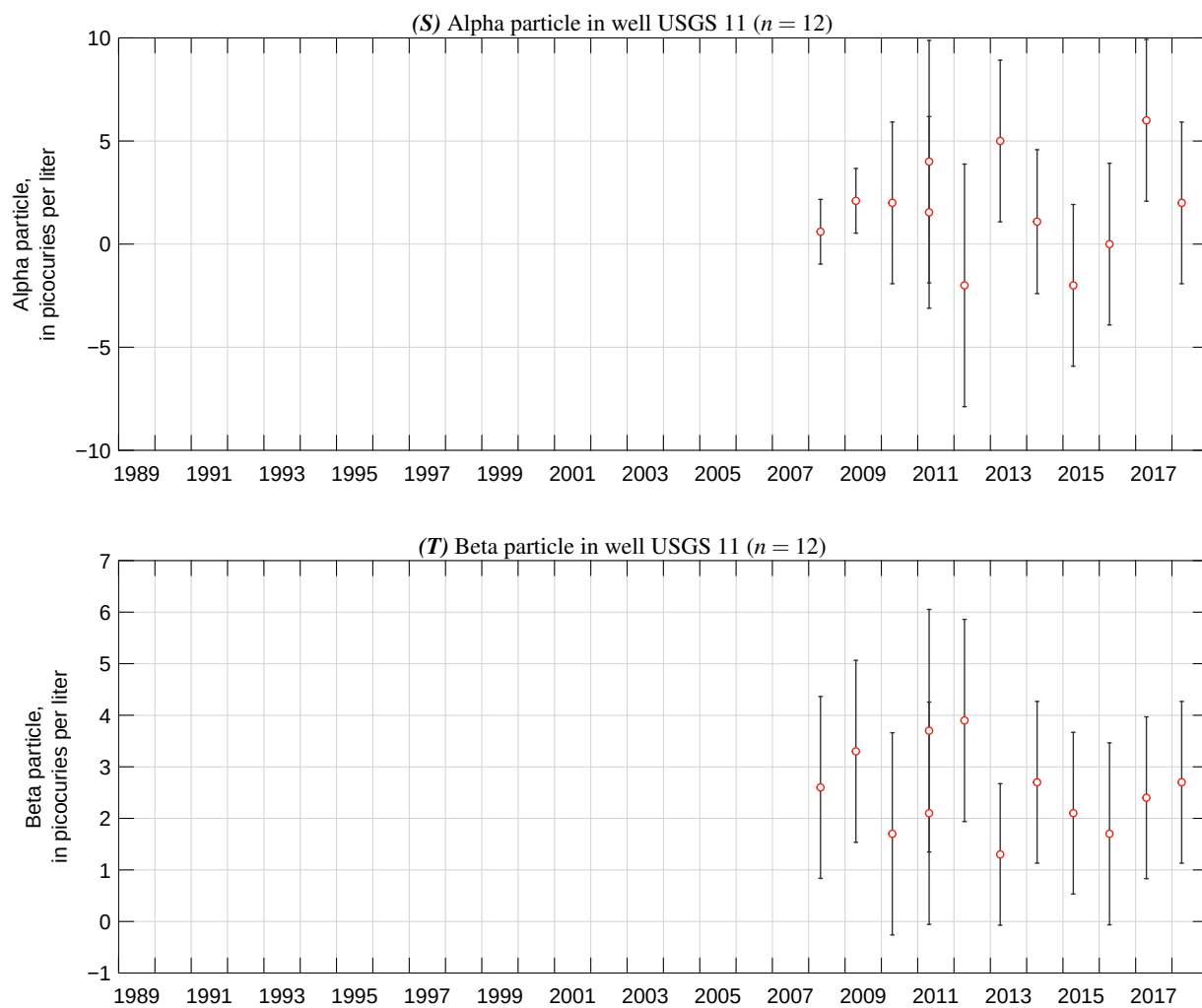


Figure 4.65. —Continued

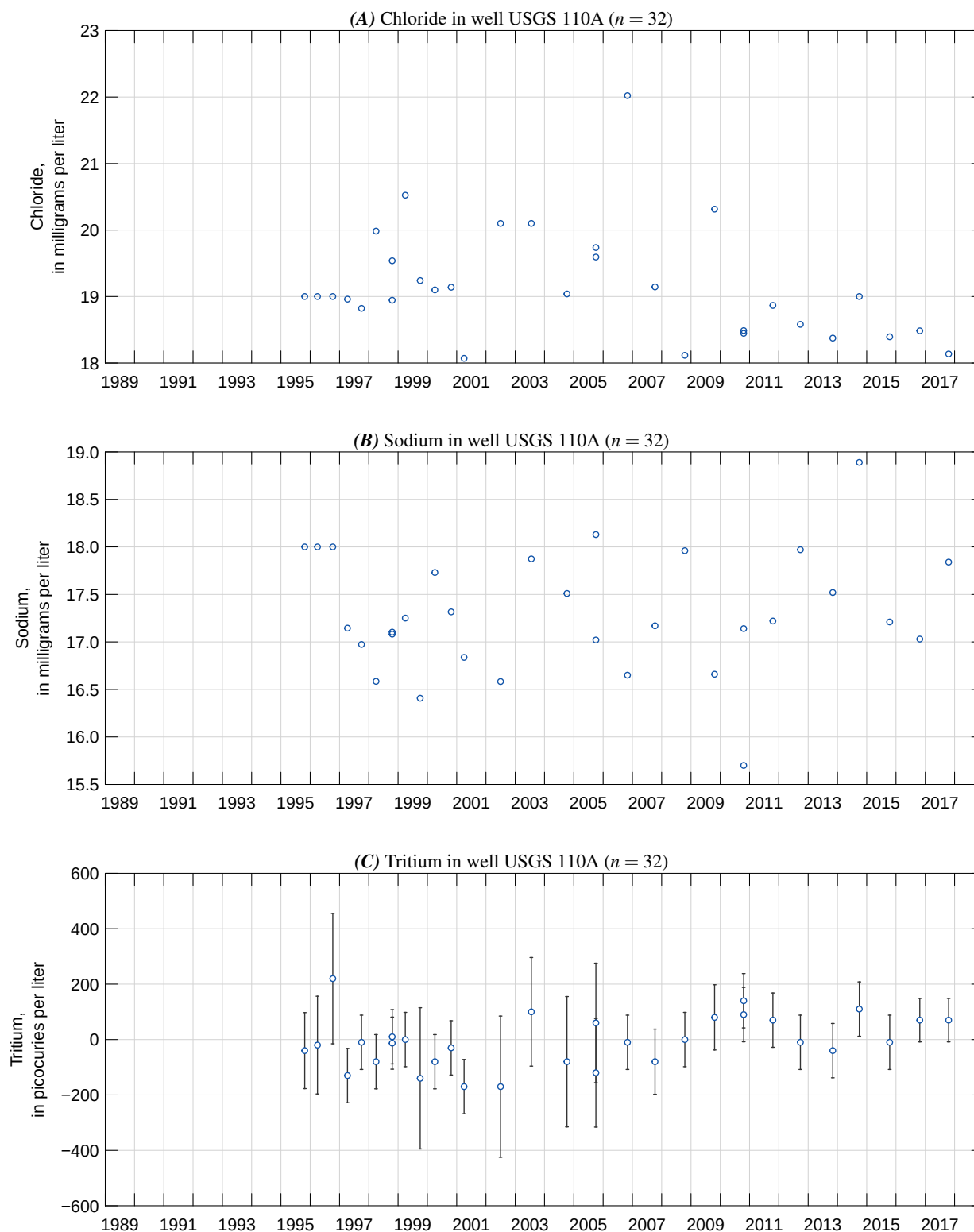


Figure 4.66. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) chromium, (H) carbon tetrachloride, (I) chloroform, (J) toluene, (K) tetrachloroethylene, (L) 1,1-dichloroethylene, (M) 1,1,1-trichloroethane, (N) cfc-12, (O) trichloroethylene, (P) strontium-90, (Q) plutonium-238, (R) alpha particle, and (S) beta particle concentrations in water collected from well USGS 110A (Site No. 432717112501502), Idaho National Laboratory, Idaho, 1989–2018.

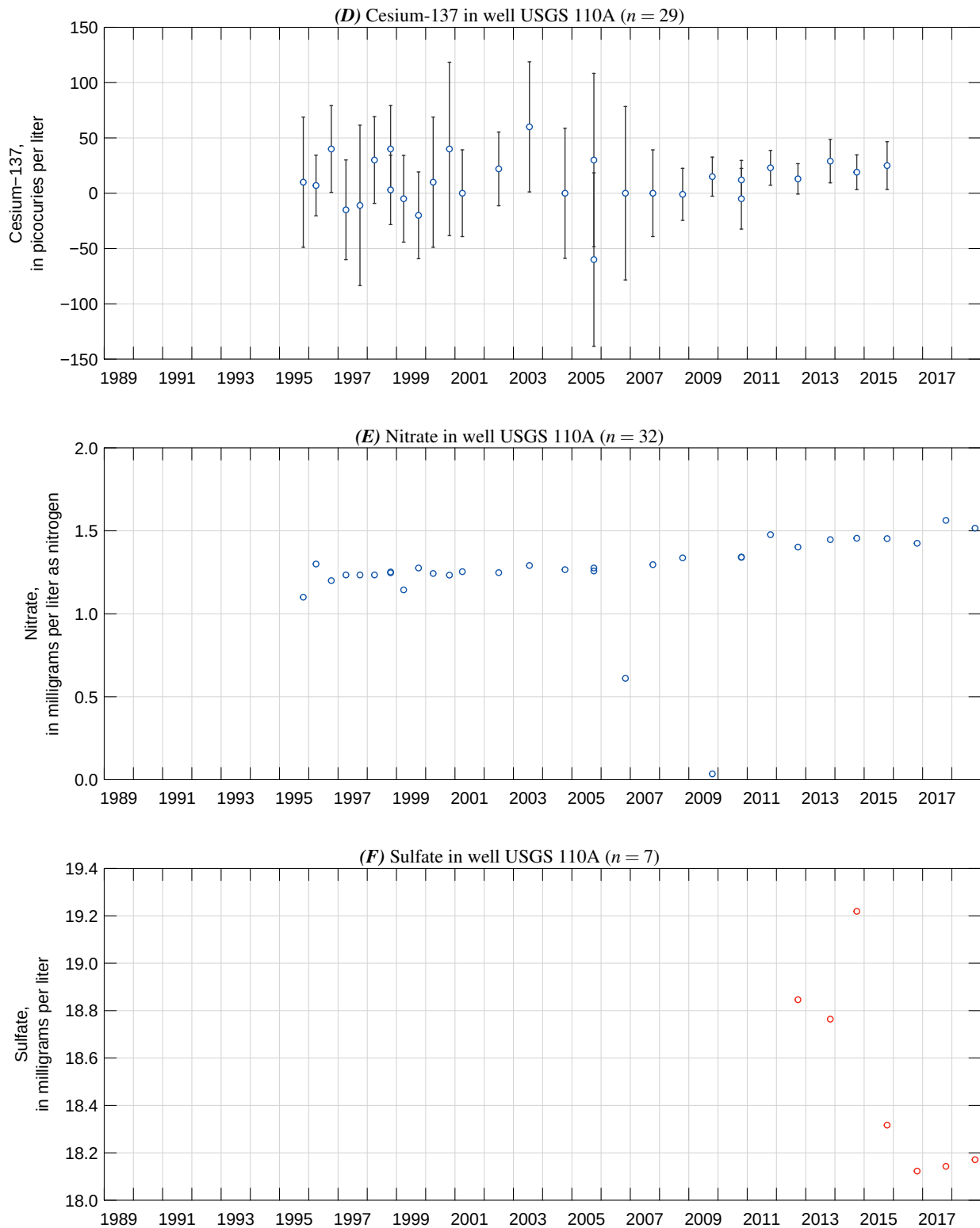


Figure 4.66. —Continued

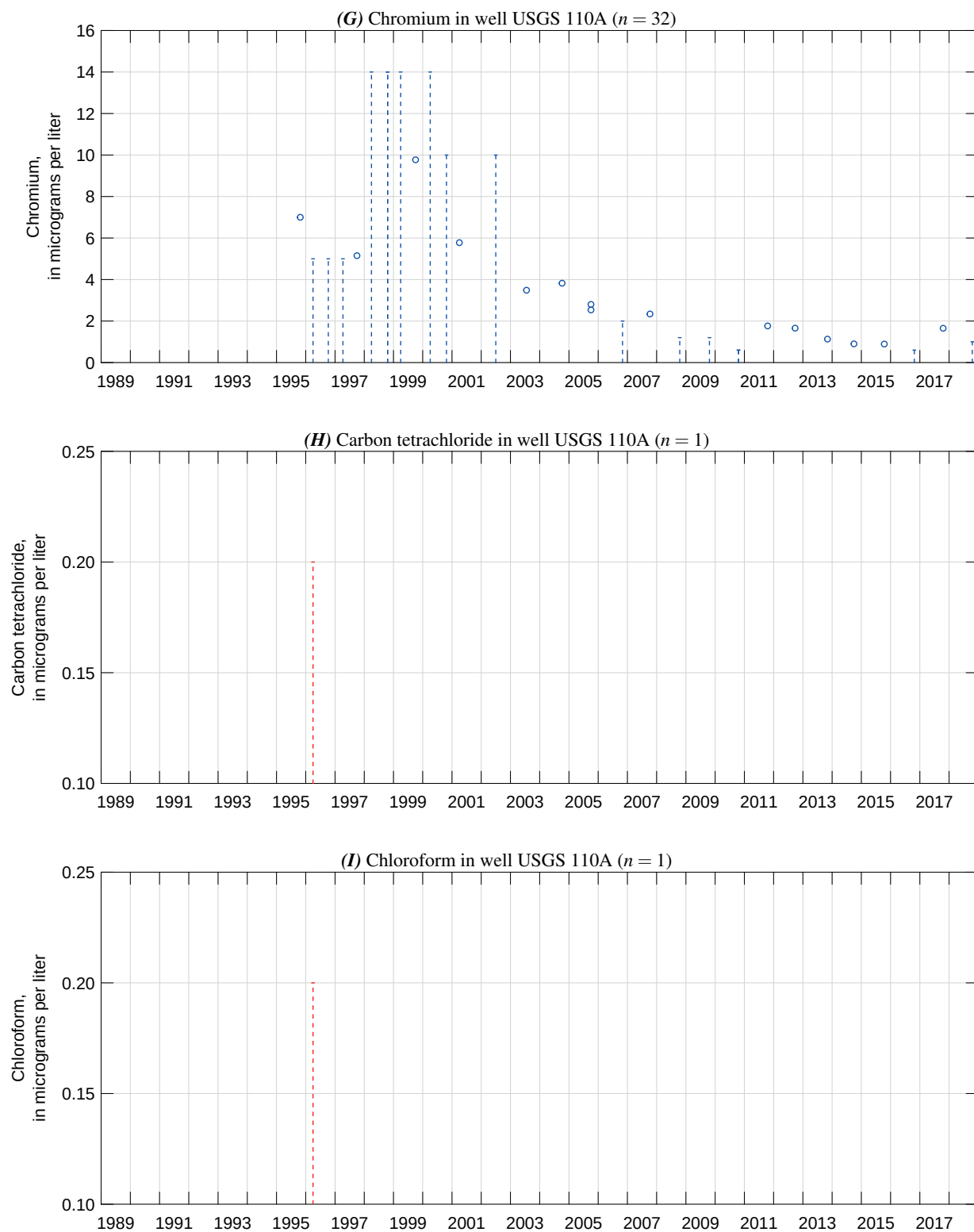


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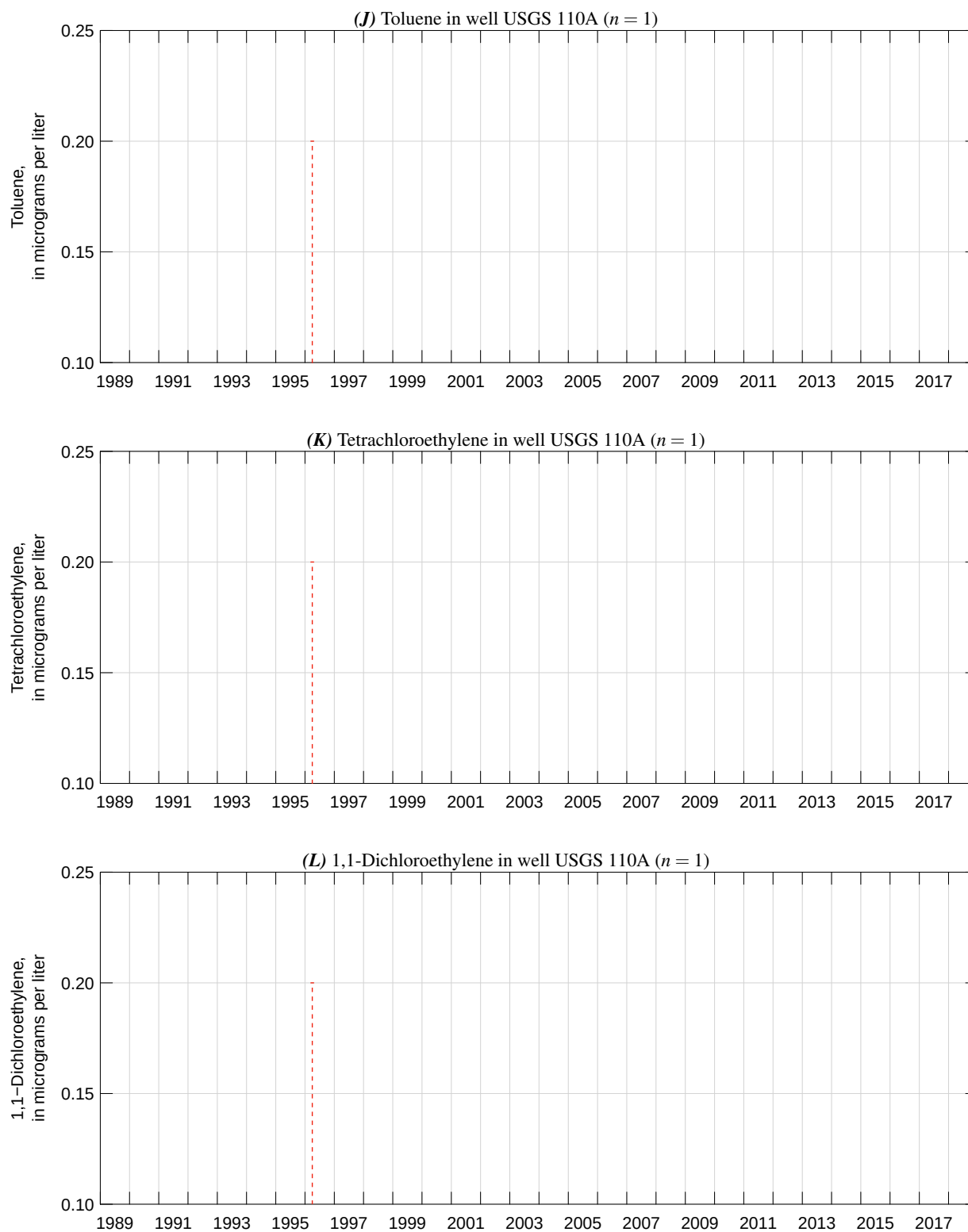


Figure 4.66. —Continued

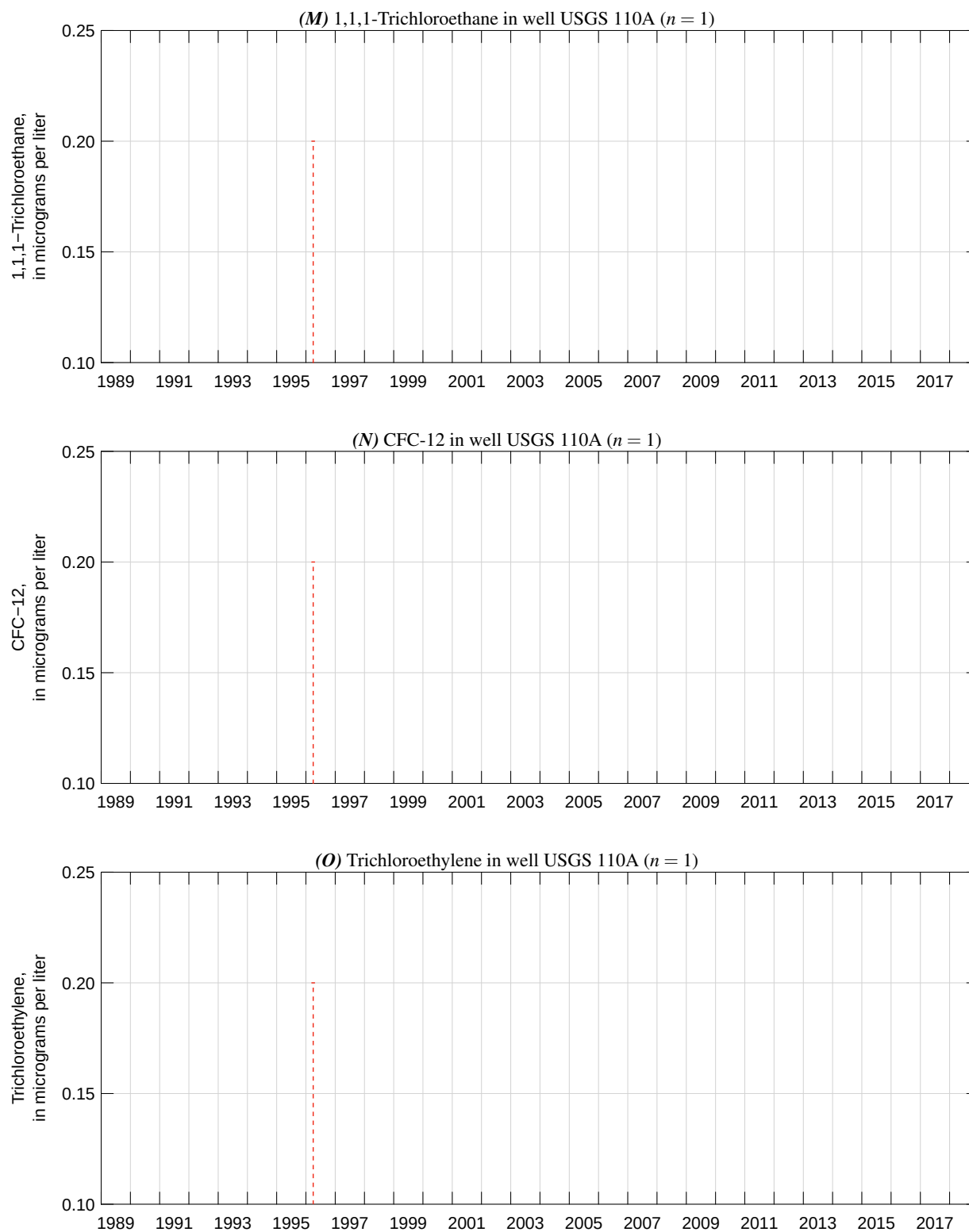


Figure 4.66. —Continued

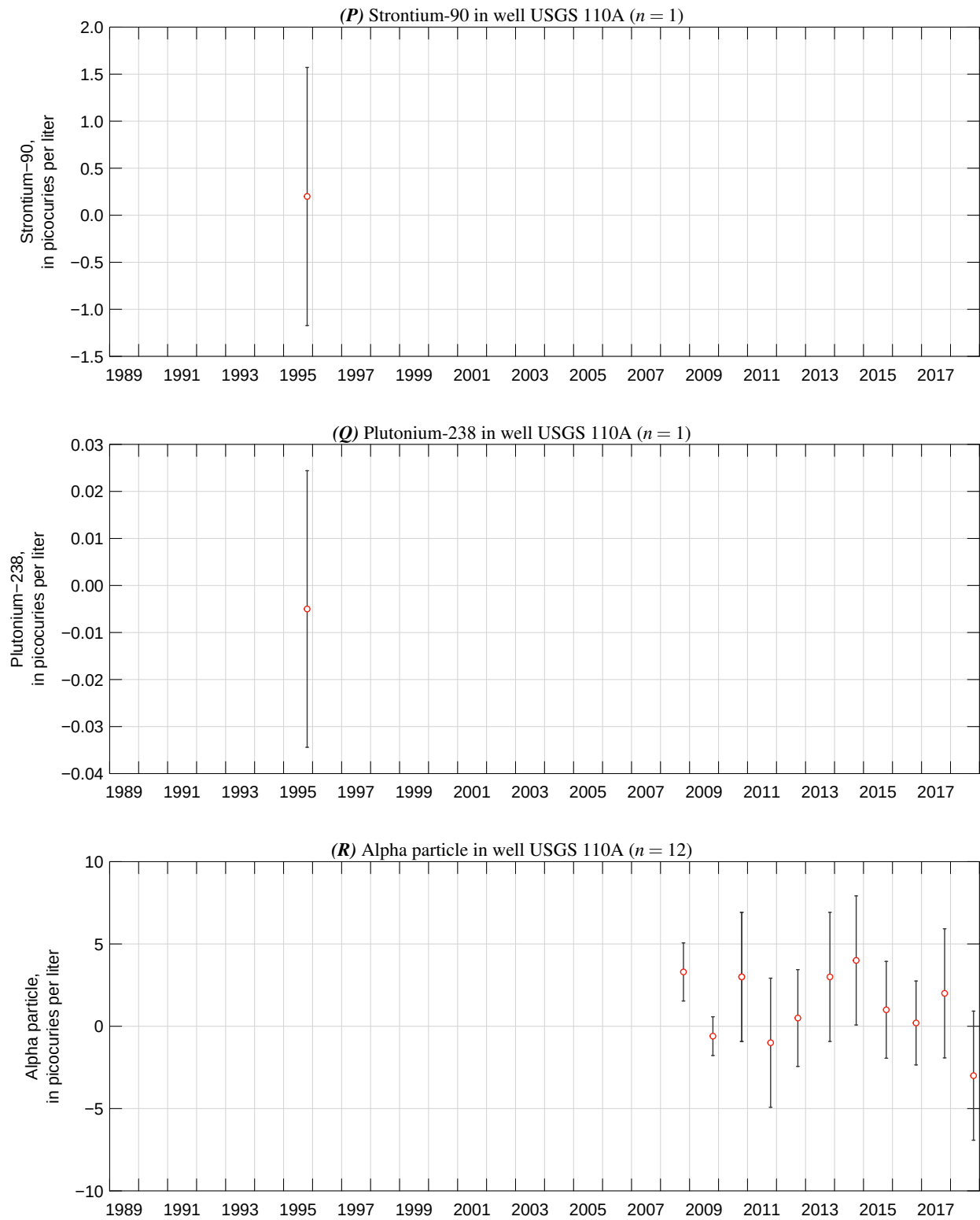


Figure 4.66. —Continued

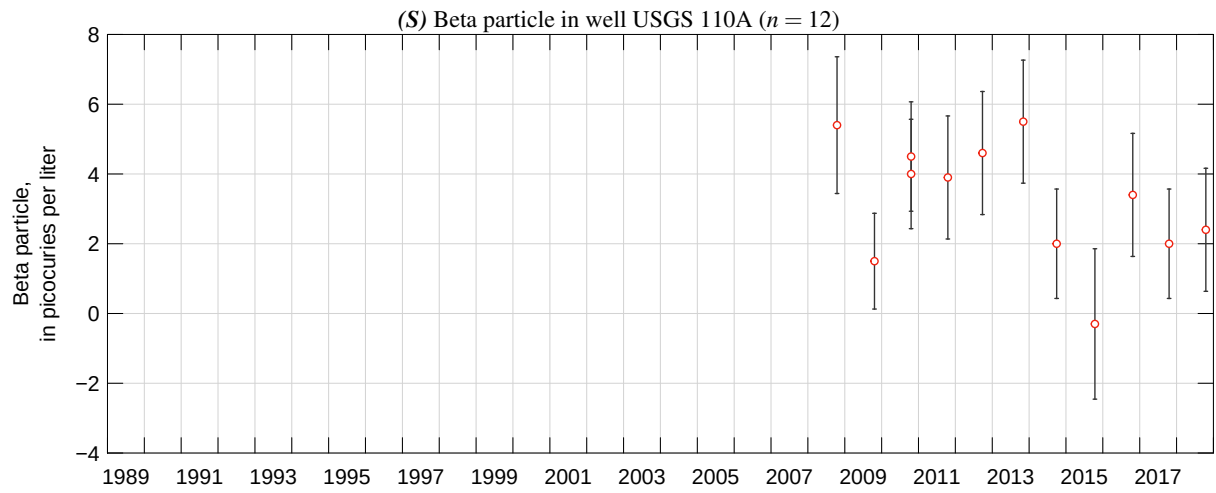


Figure 4.66. —Continued

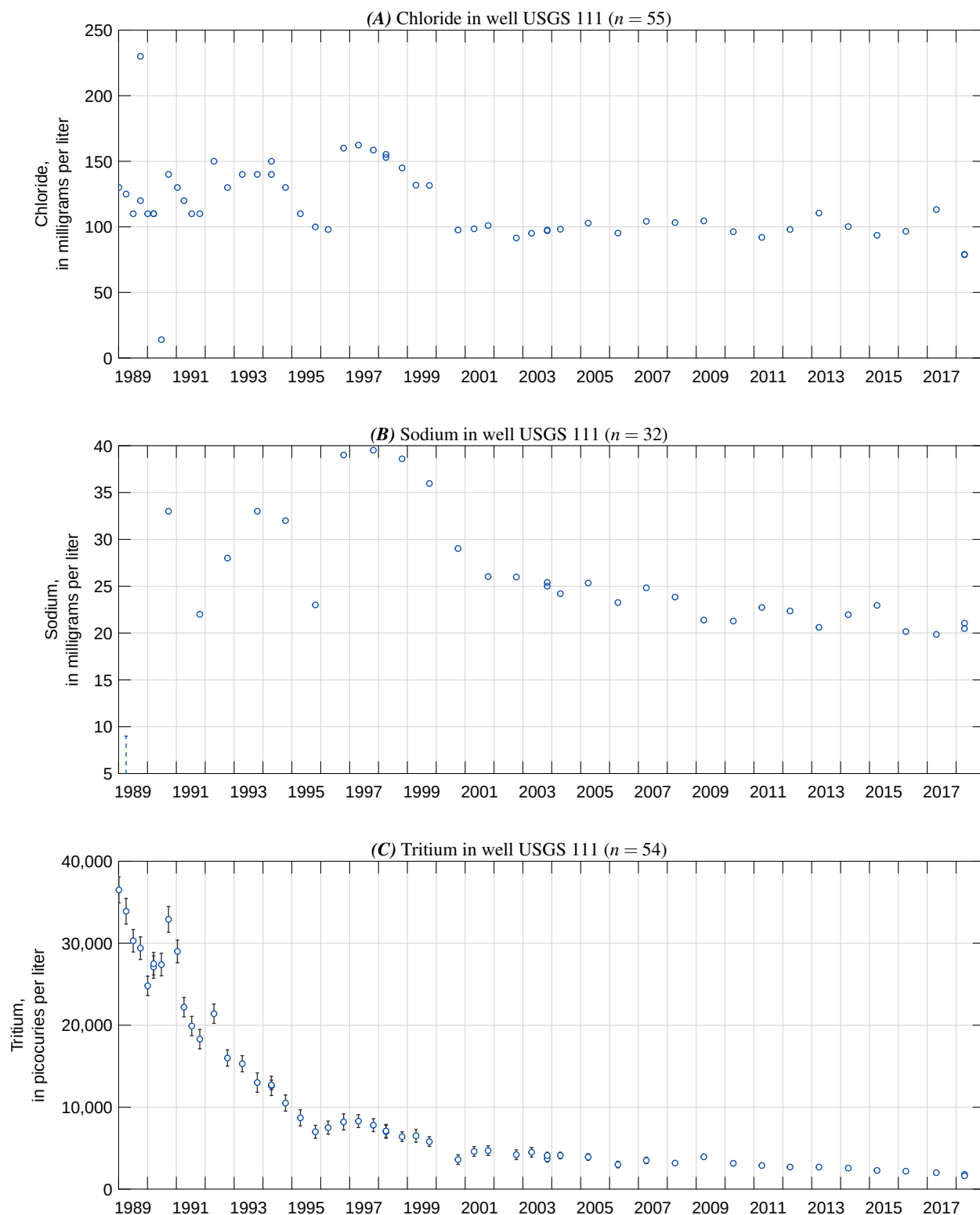


Figure 4.67. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) nitrate, (E) sulfate, (F) fluoride, (G) carbon tetrachloride, (H) chloroform, (I) toluene, (J) tetrachloroethylene, (K) 1,1-dichloroethylene, (L) 1,1,1-trichloroethane, (M) trichloroethylene, and (N) strontium-90 concentrations in water collected from well USGS 111 (Site No. 433331112560501), Idaho National Laboratory, Idaho, 1989–2018.

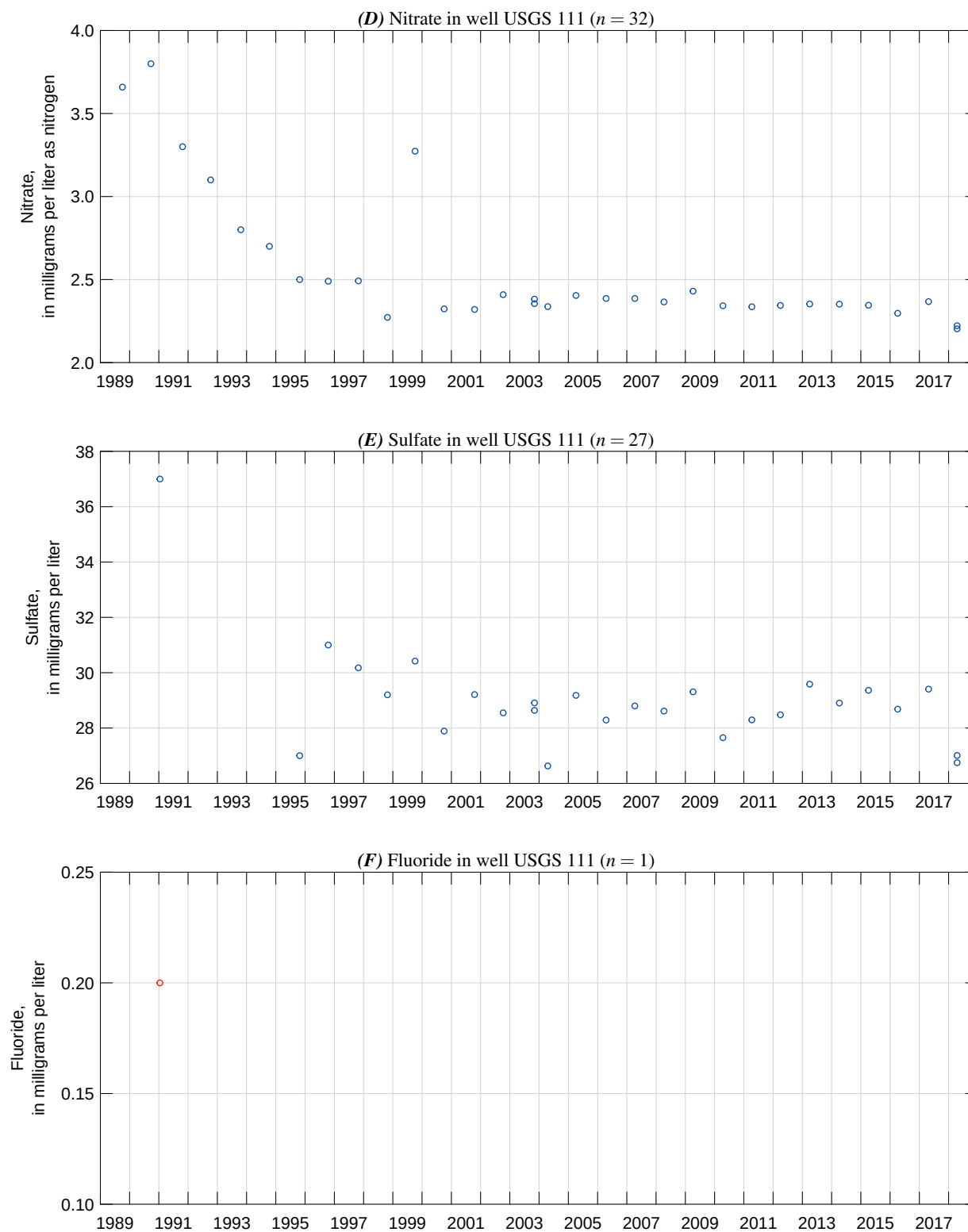


Figure 4.67. —Continued

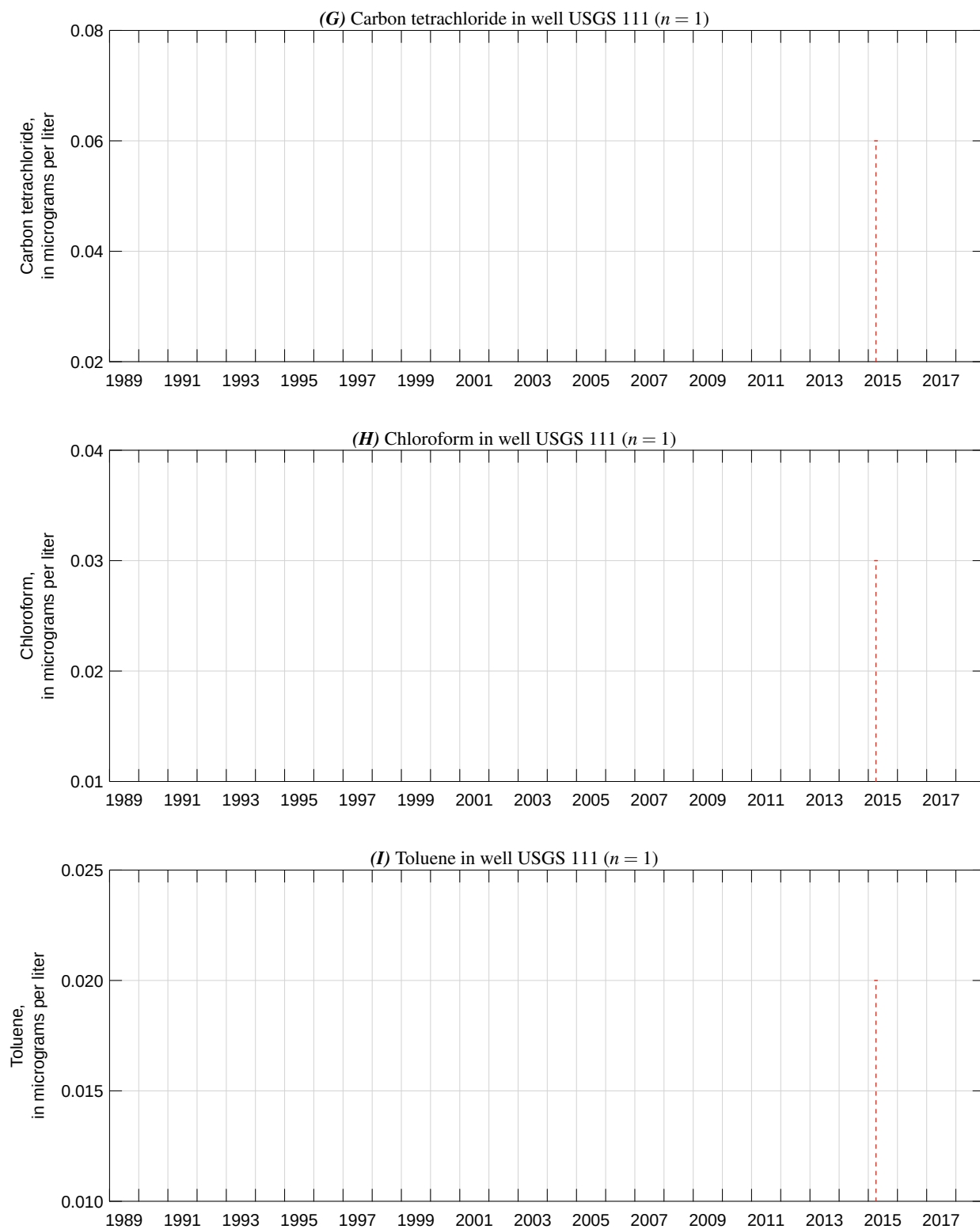


Figure 4.67. —Continued

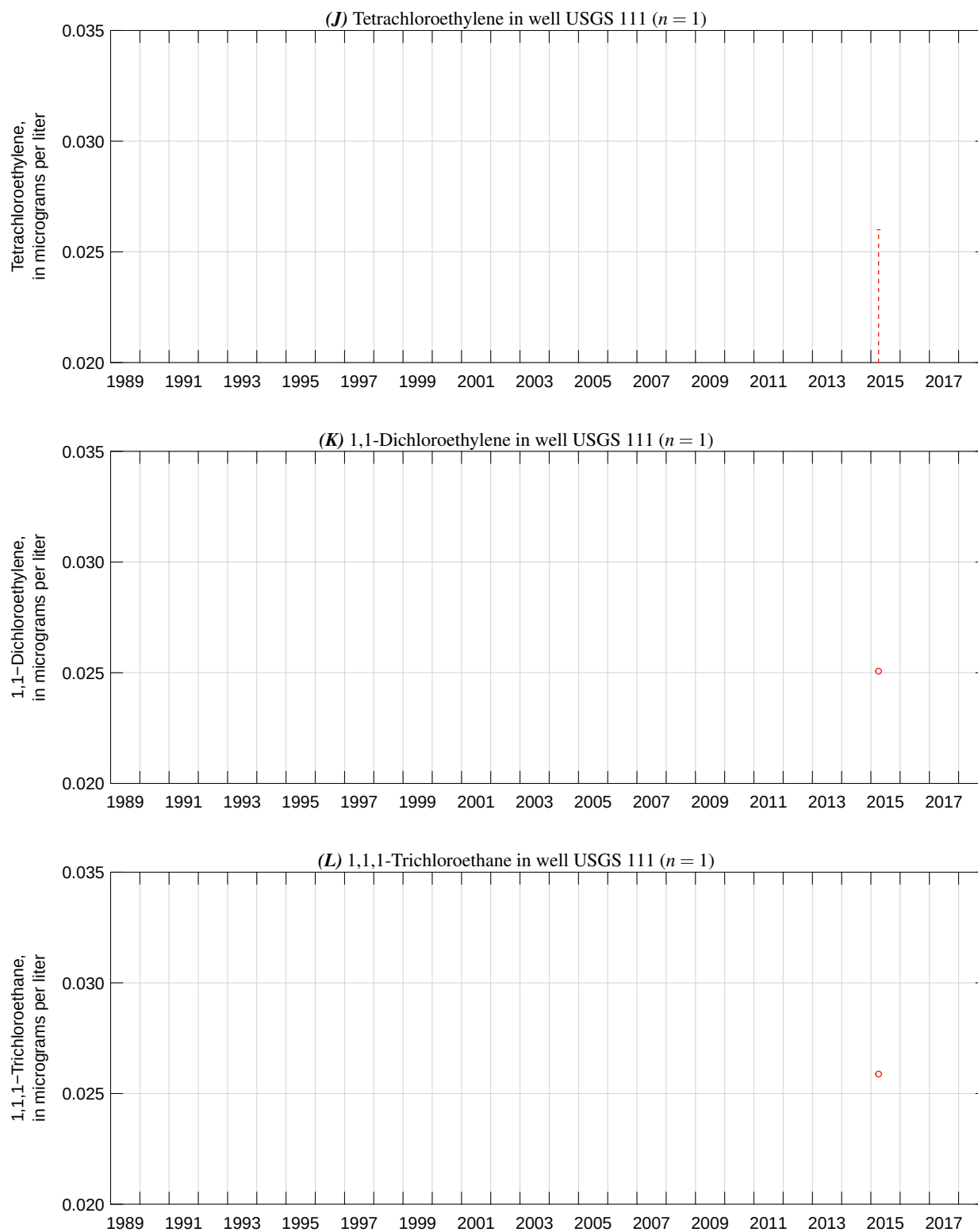


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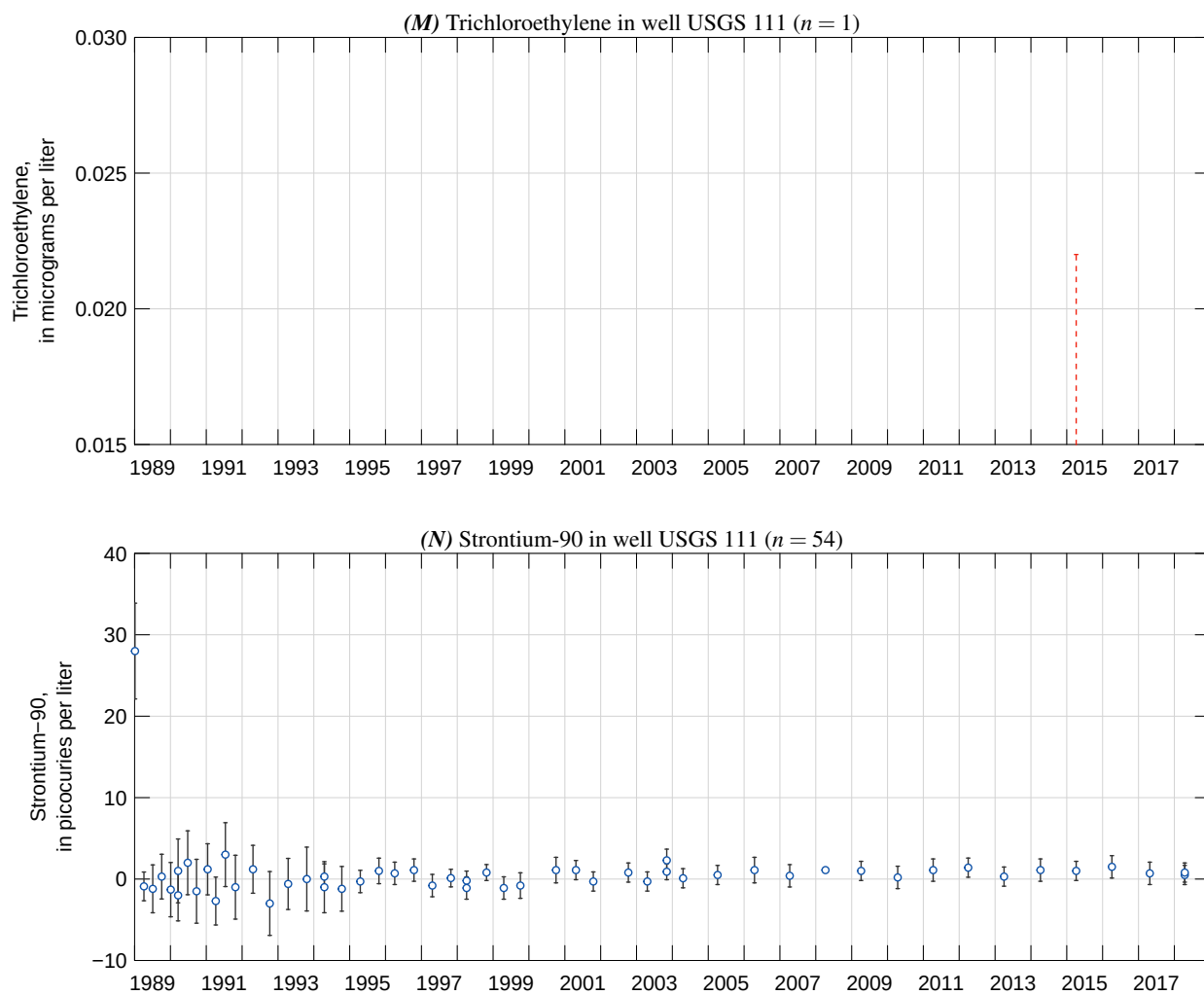


Figure 4.67. —Continued

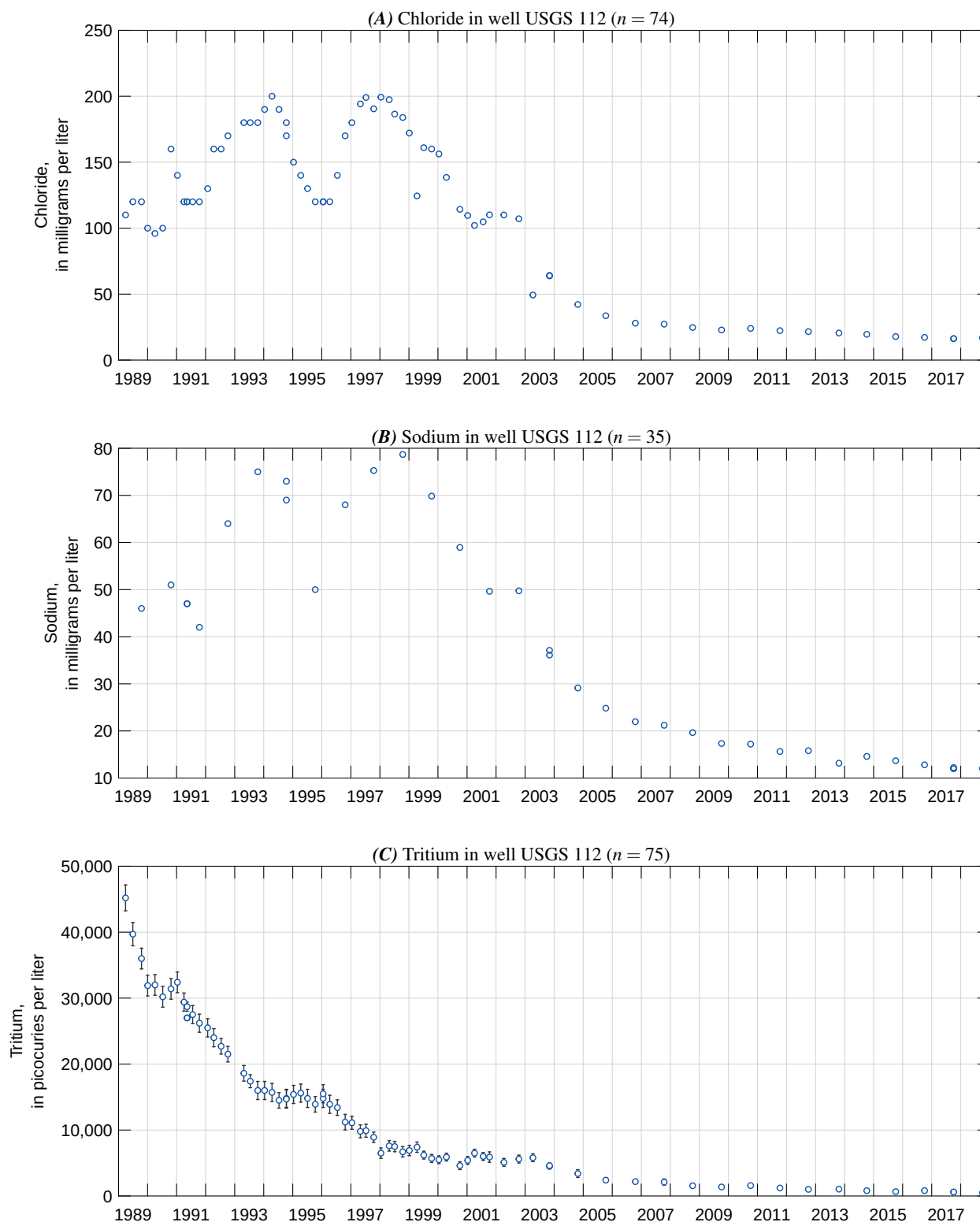


Figure 4.68. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, and (R) plutonium-238 concentrations in water collected from well USGS 112 (Site No. 433314112563001), Idaho National Laboratory, Idaho, 1989–2018.

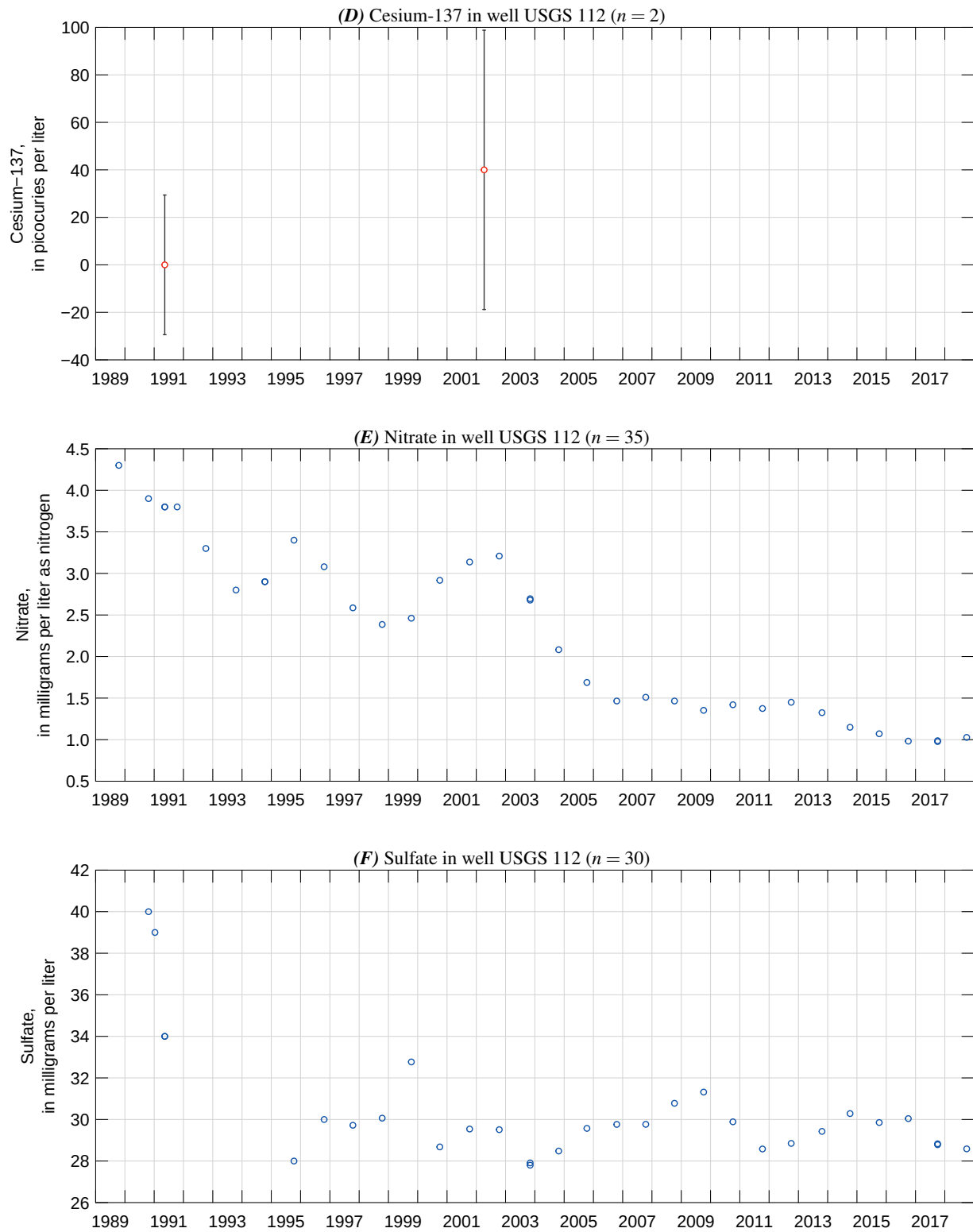


Figure 4.68. —Continued

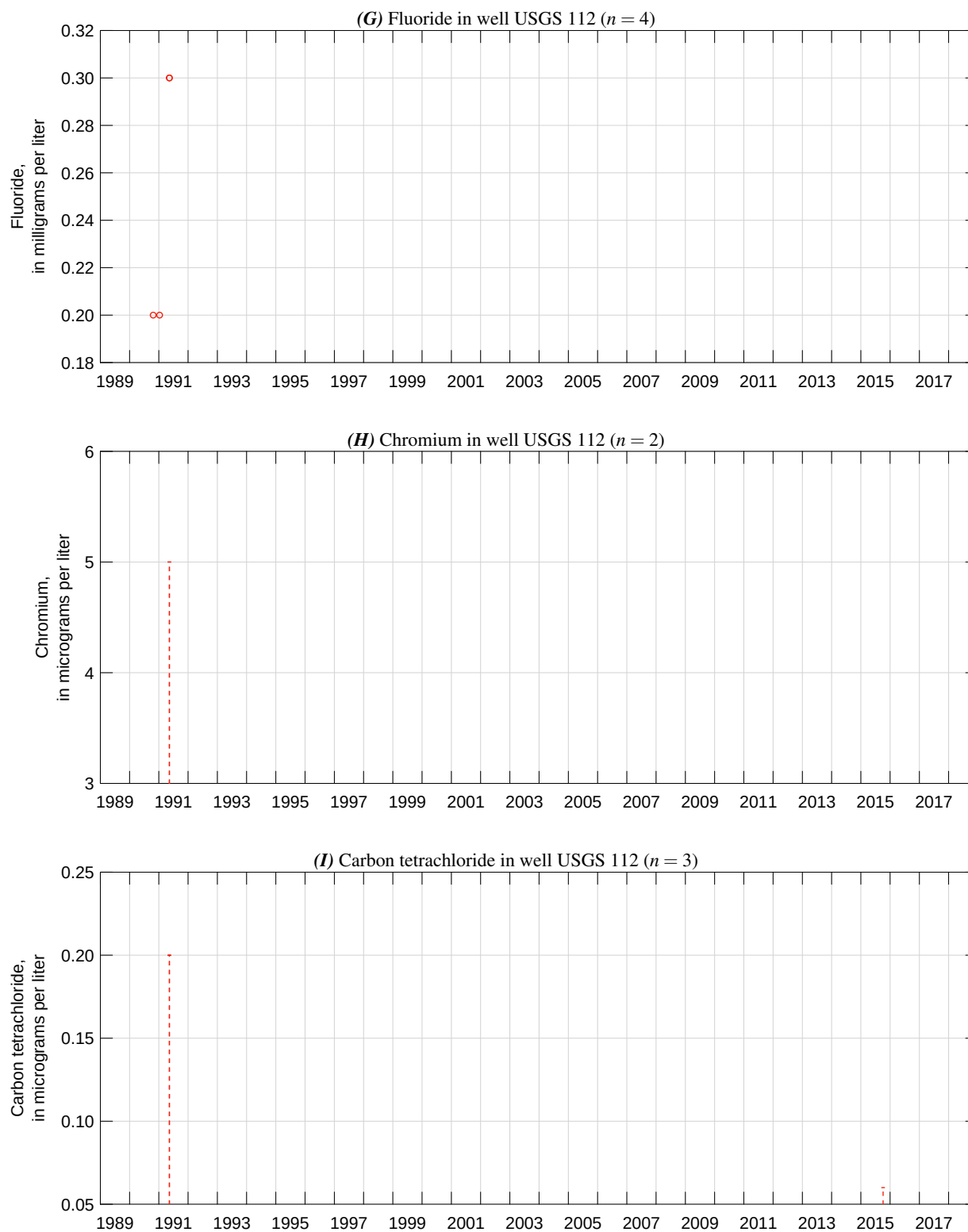


Figure 4.68. —Continued

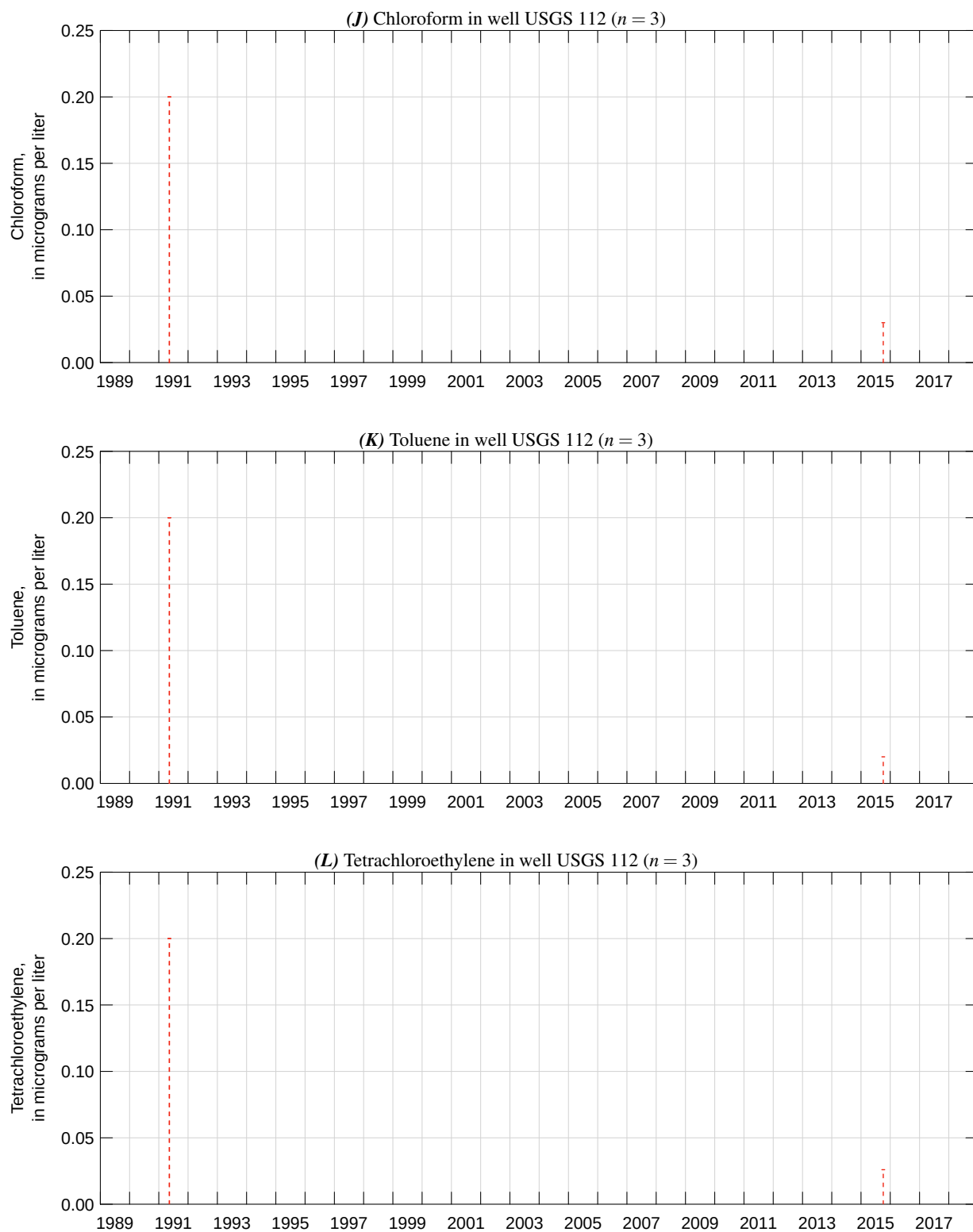


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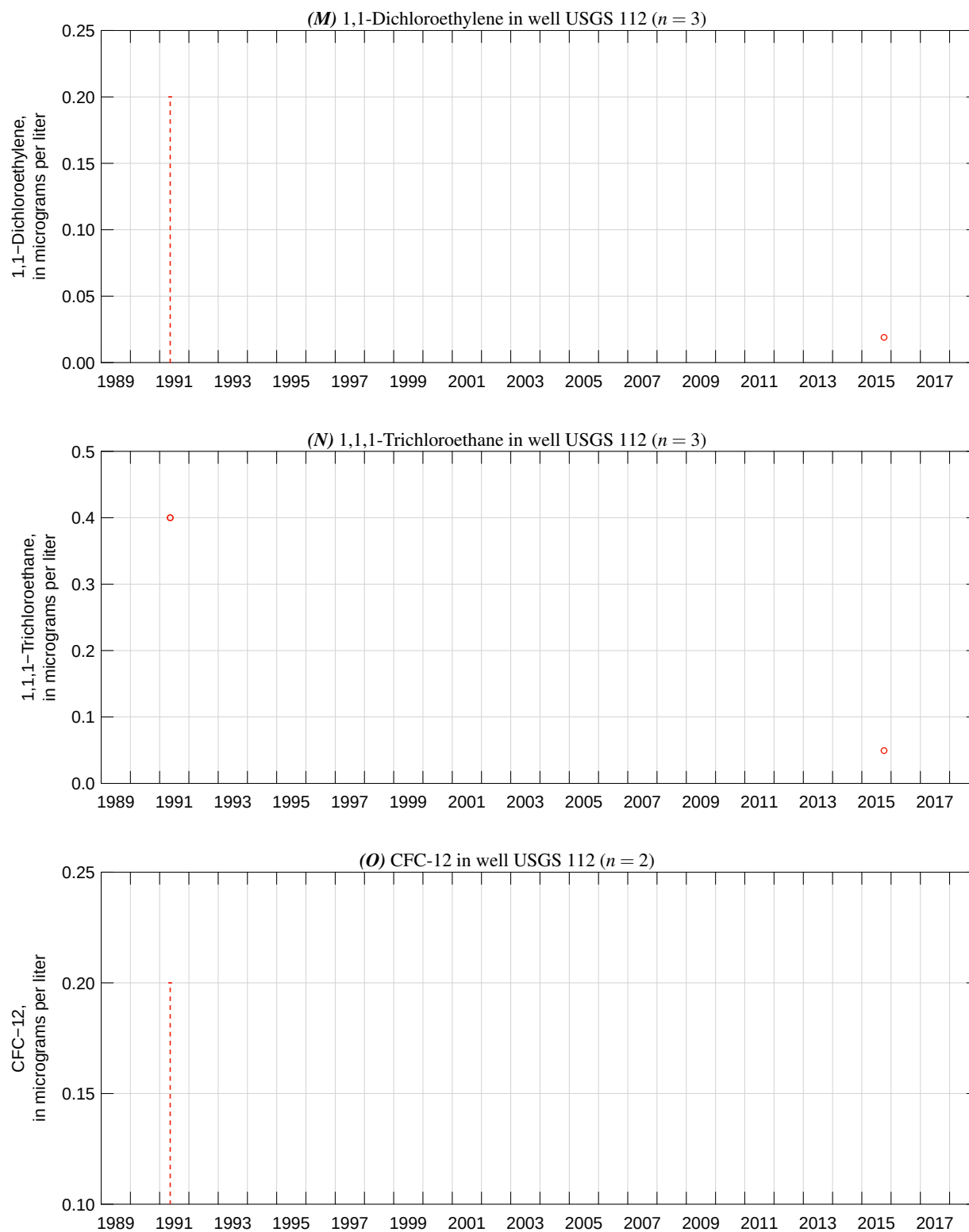


Figure 4.68. —Continued

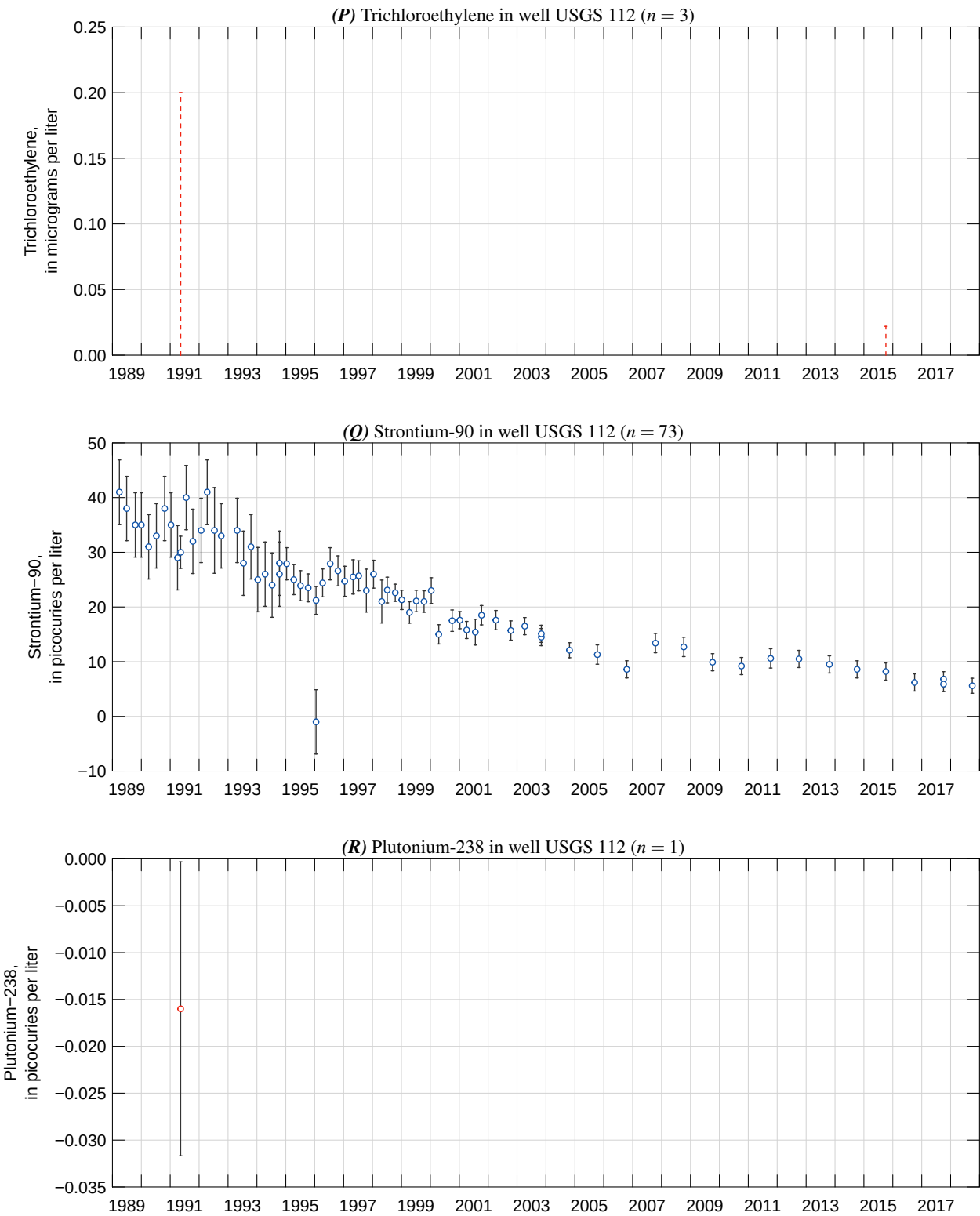


Figure 4.68. —Continued

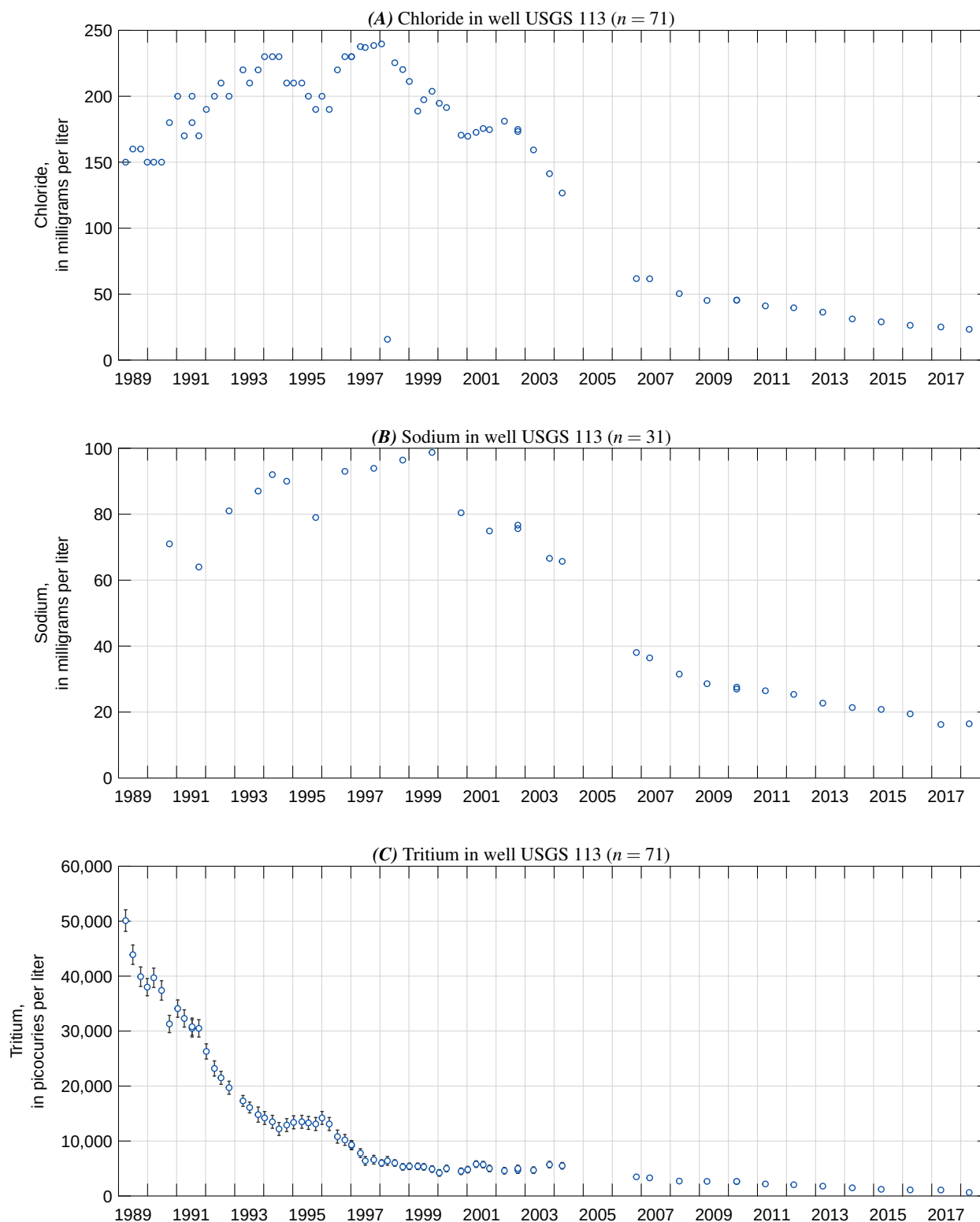


Figure 4.69. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, and (R) plutonium-238 concentrations in water collected from well USGS 113 (Site No. 433314112561801), Idaho National Laboratory, Idaho, 1989–2018.

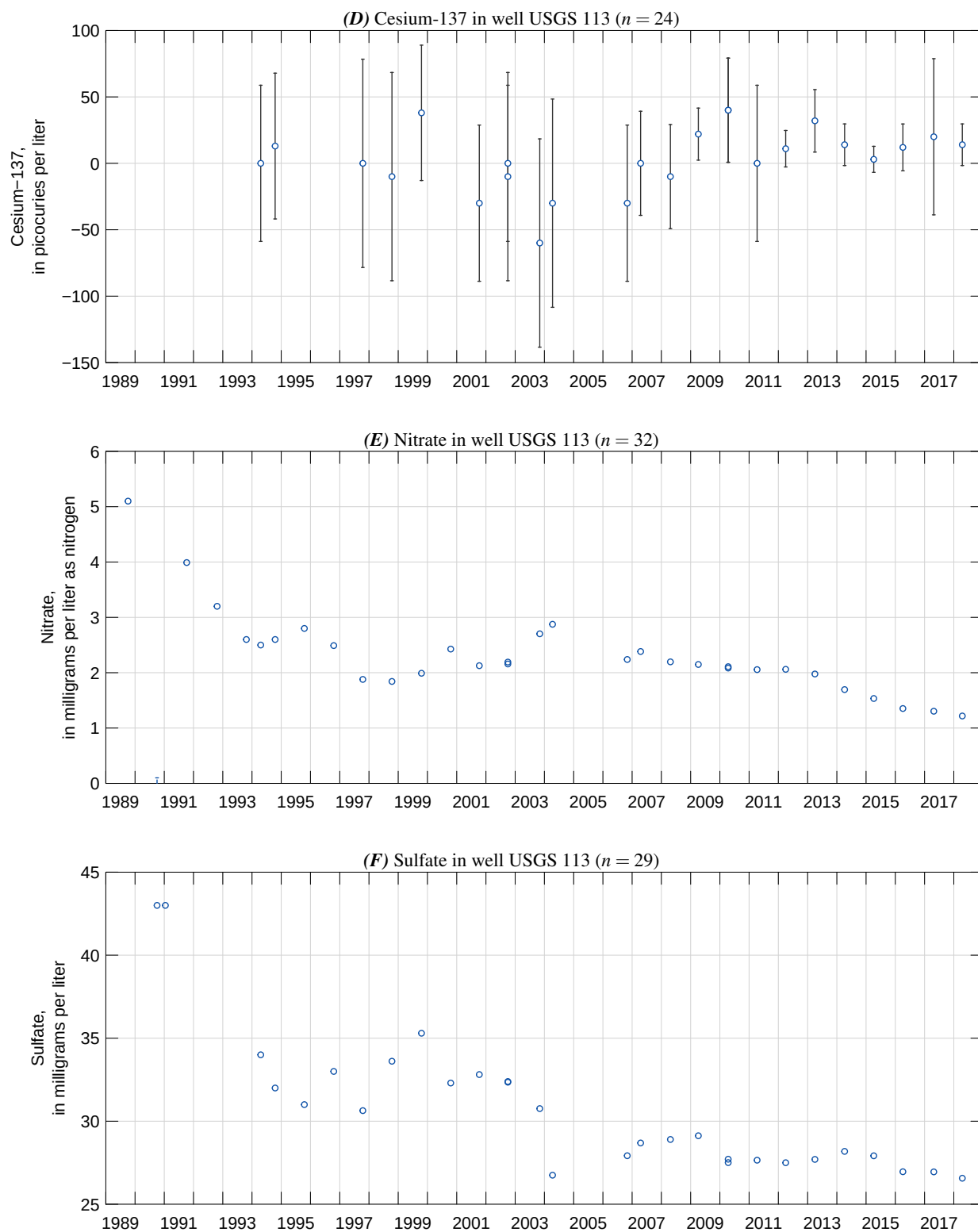


Figure 4.69. —Continued

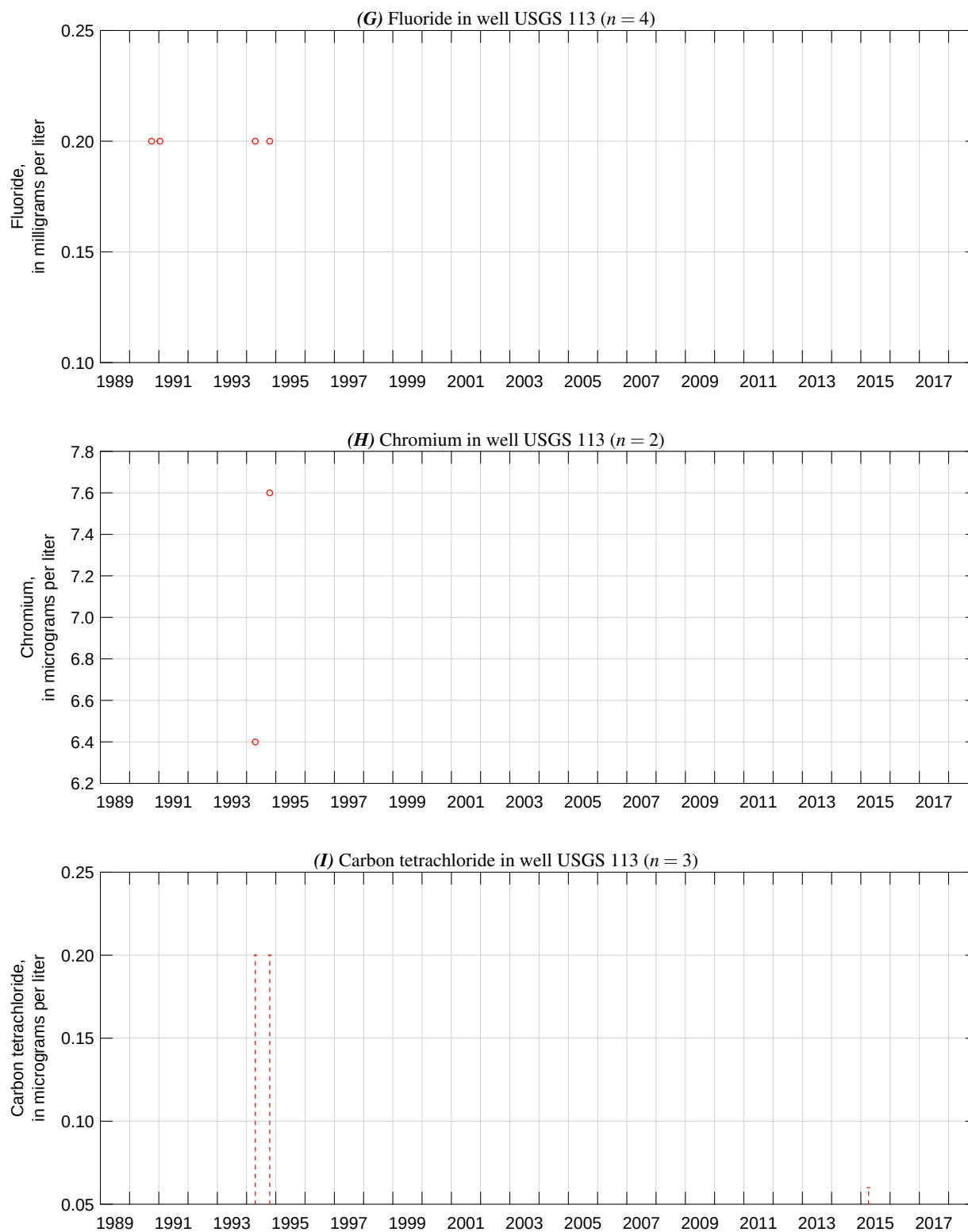


Figure 4.69. —Continued

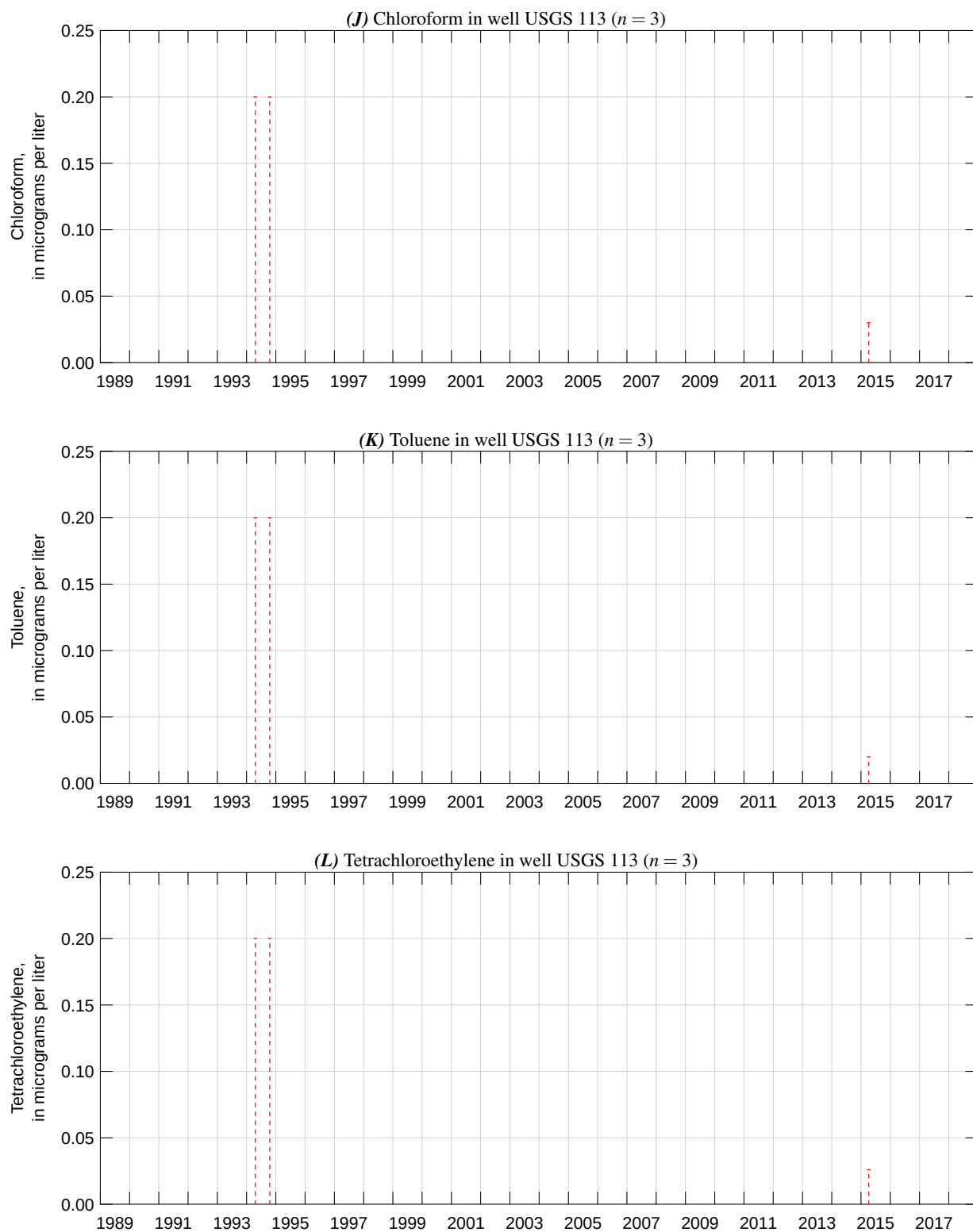


Figure 4.69. —Continued

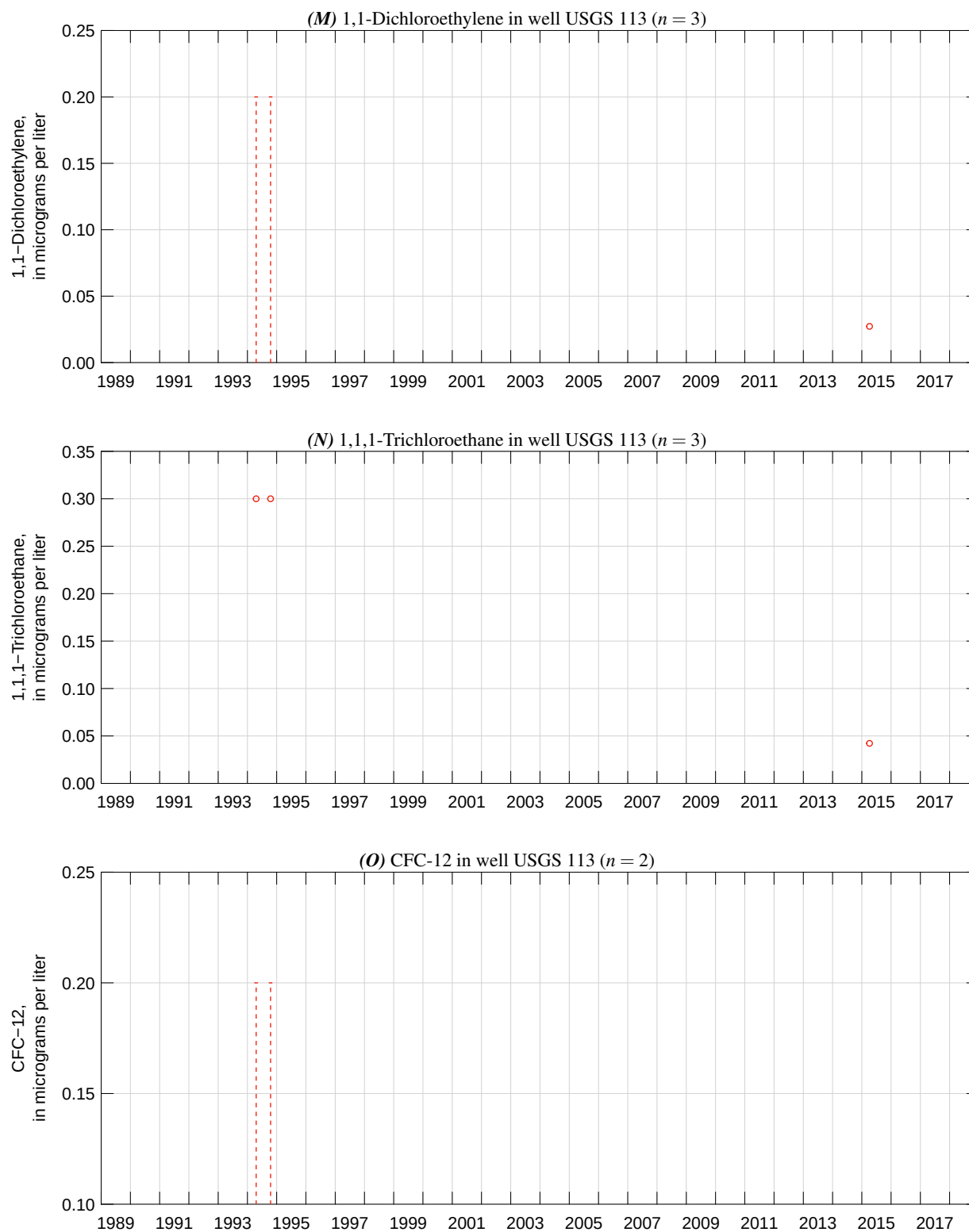


Figure 4.69. —Continued

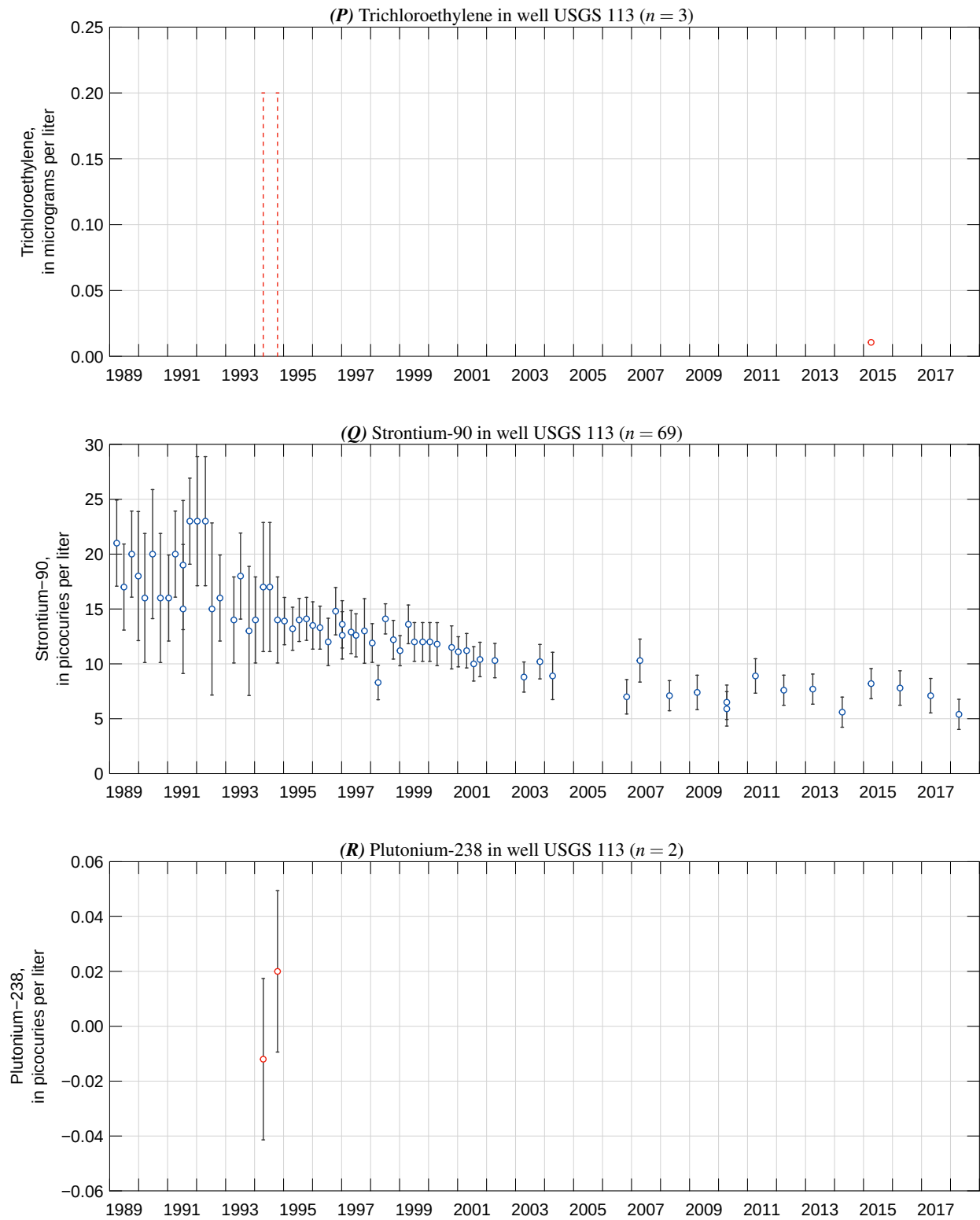


Figure 4.69. —Continued

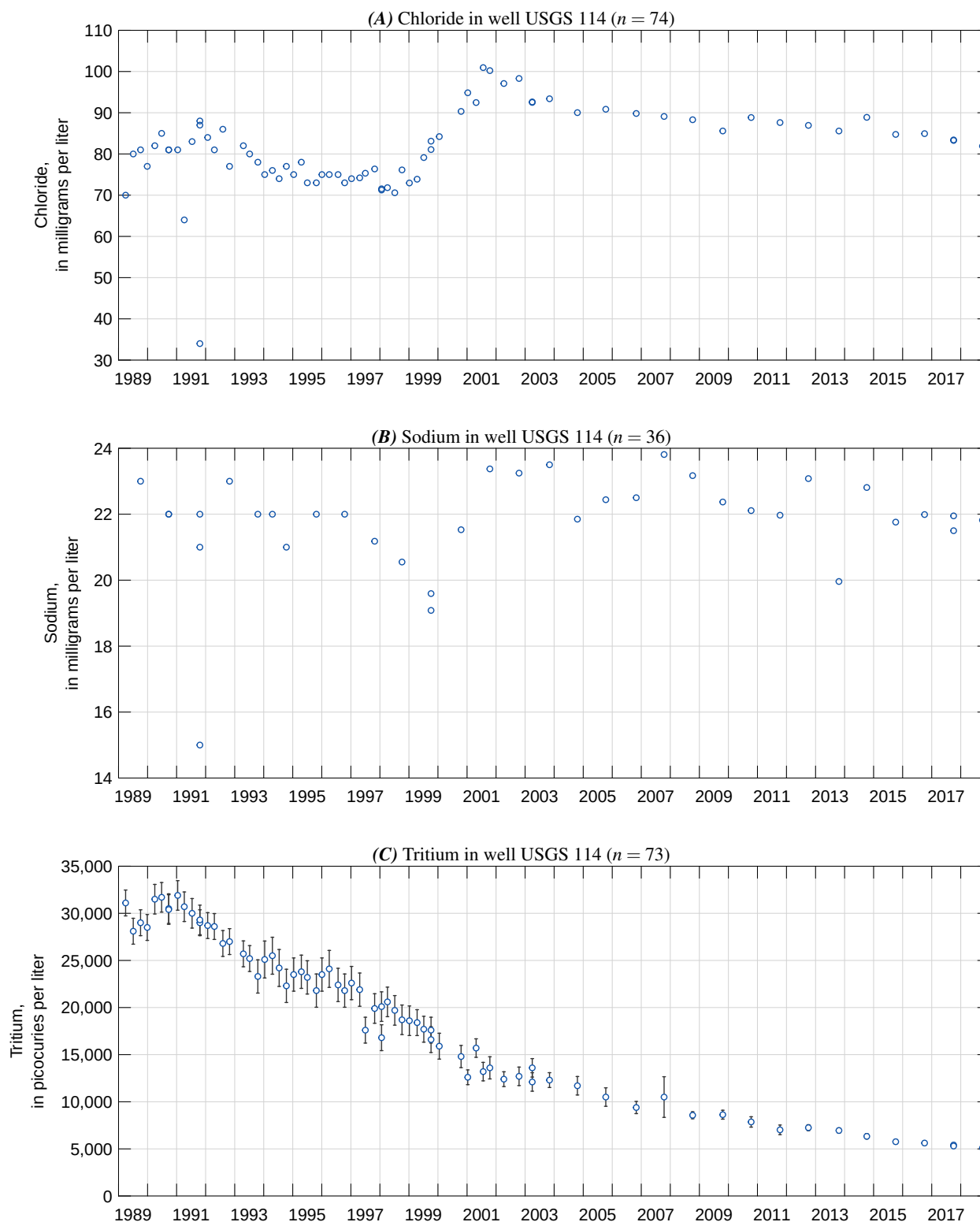


Figure 4.70. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, and (R) plutonium-238 concentrations in water collected from well USGS 114 (Site No. 433318112555001), Idaho National Laboratory, Idaho, 1989–2018.

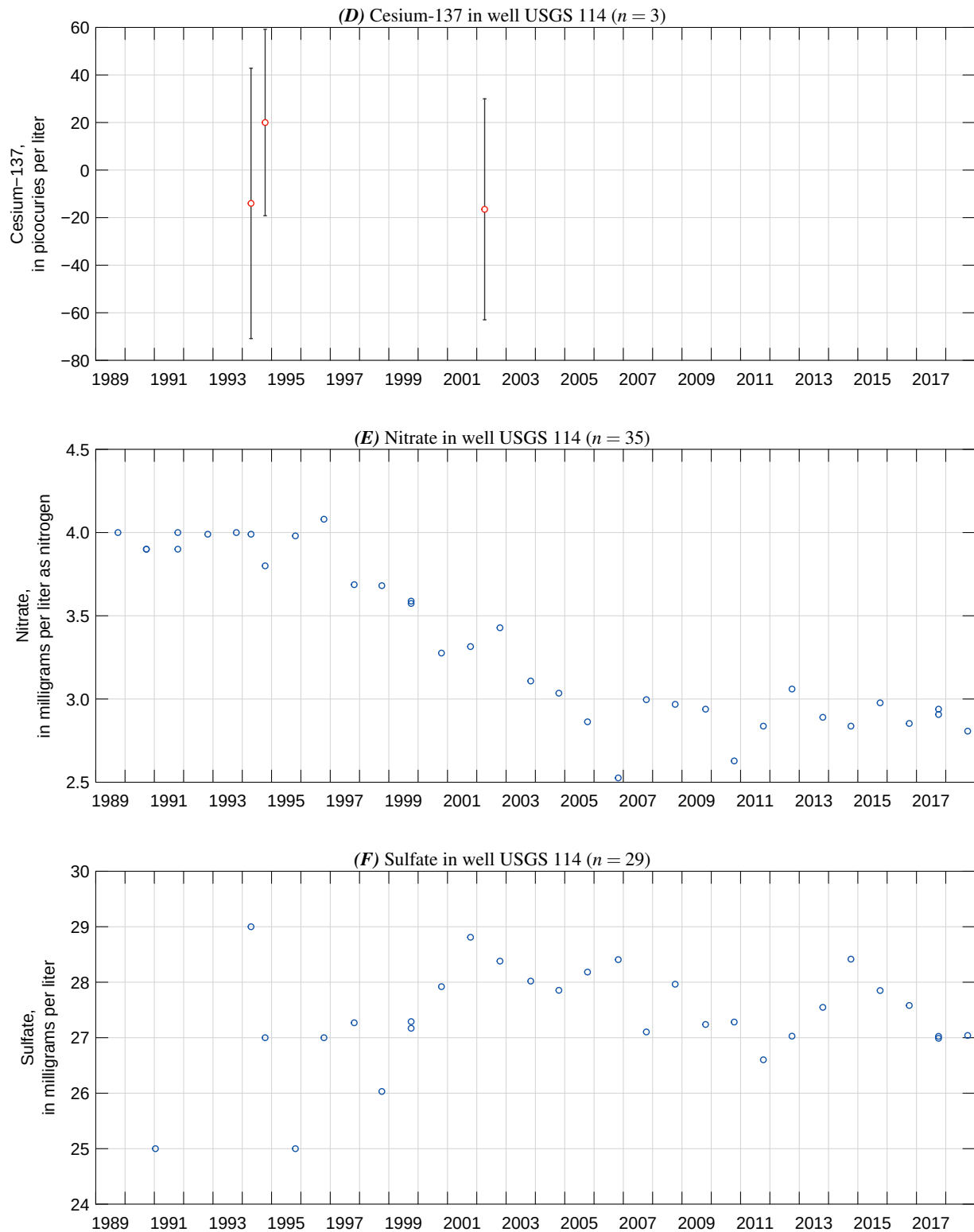


Figure 4.70. —Continued

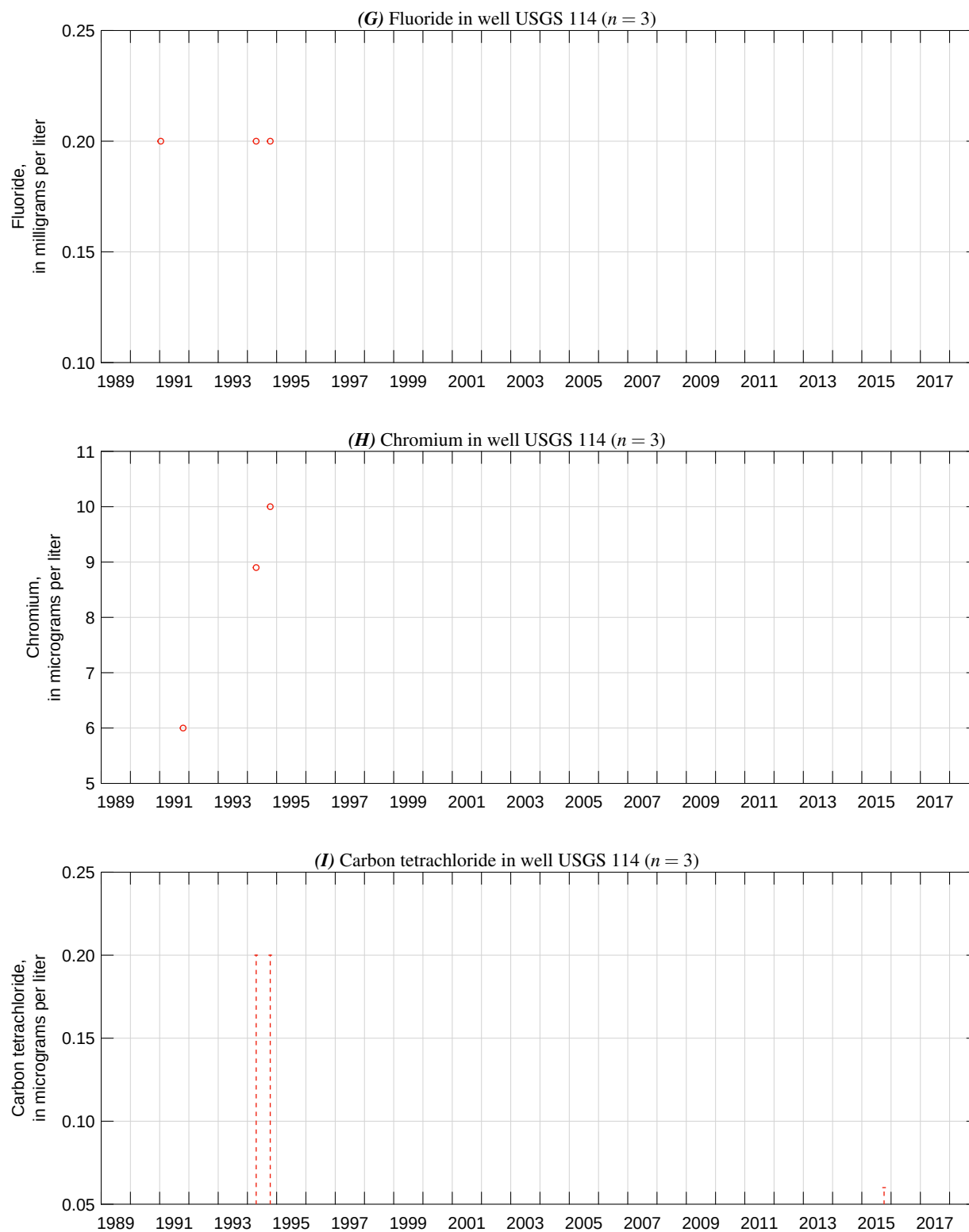


Figure 4.70. —Continued

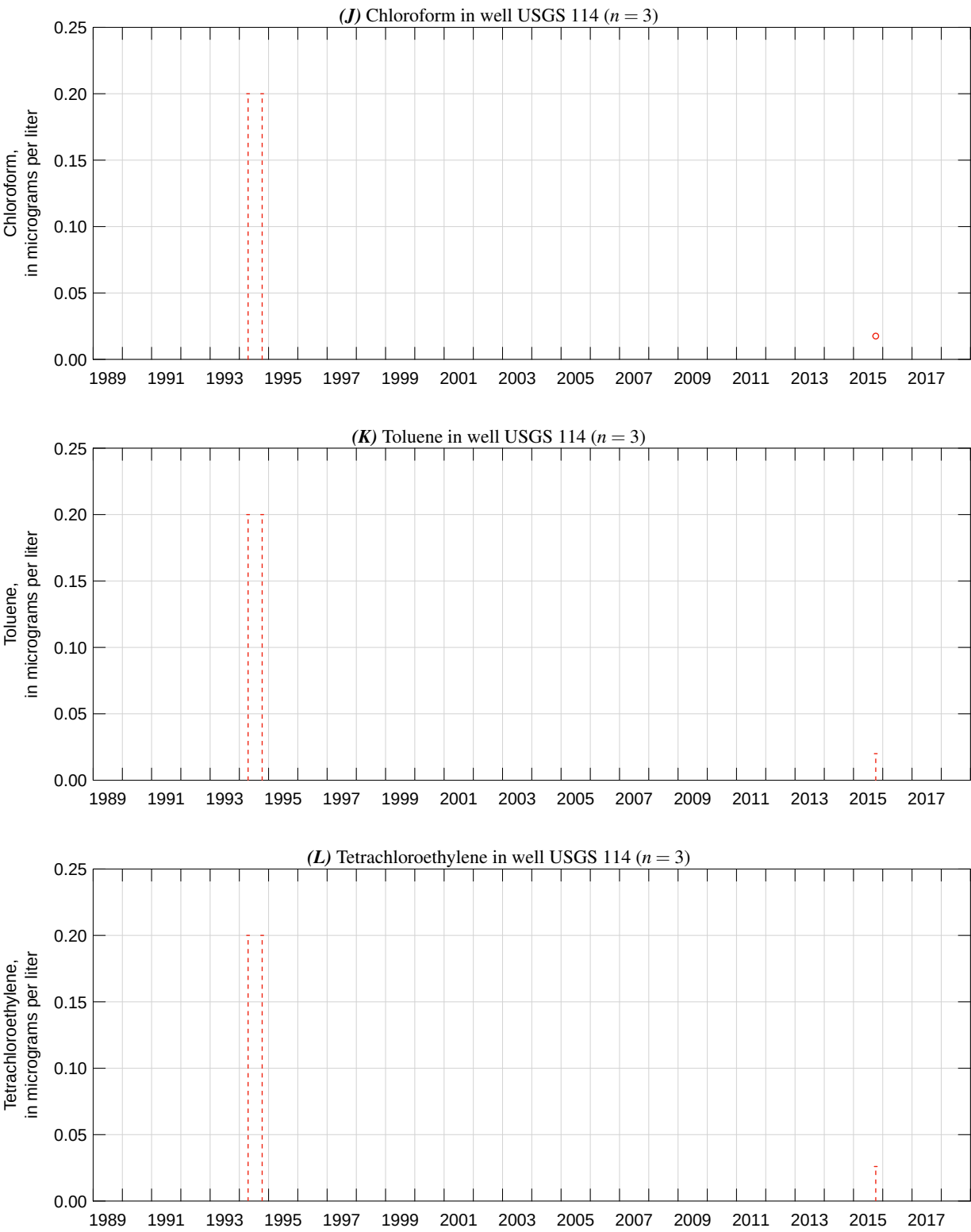


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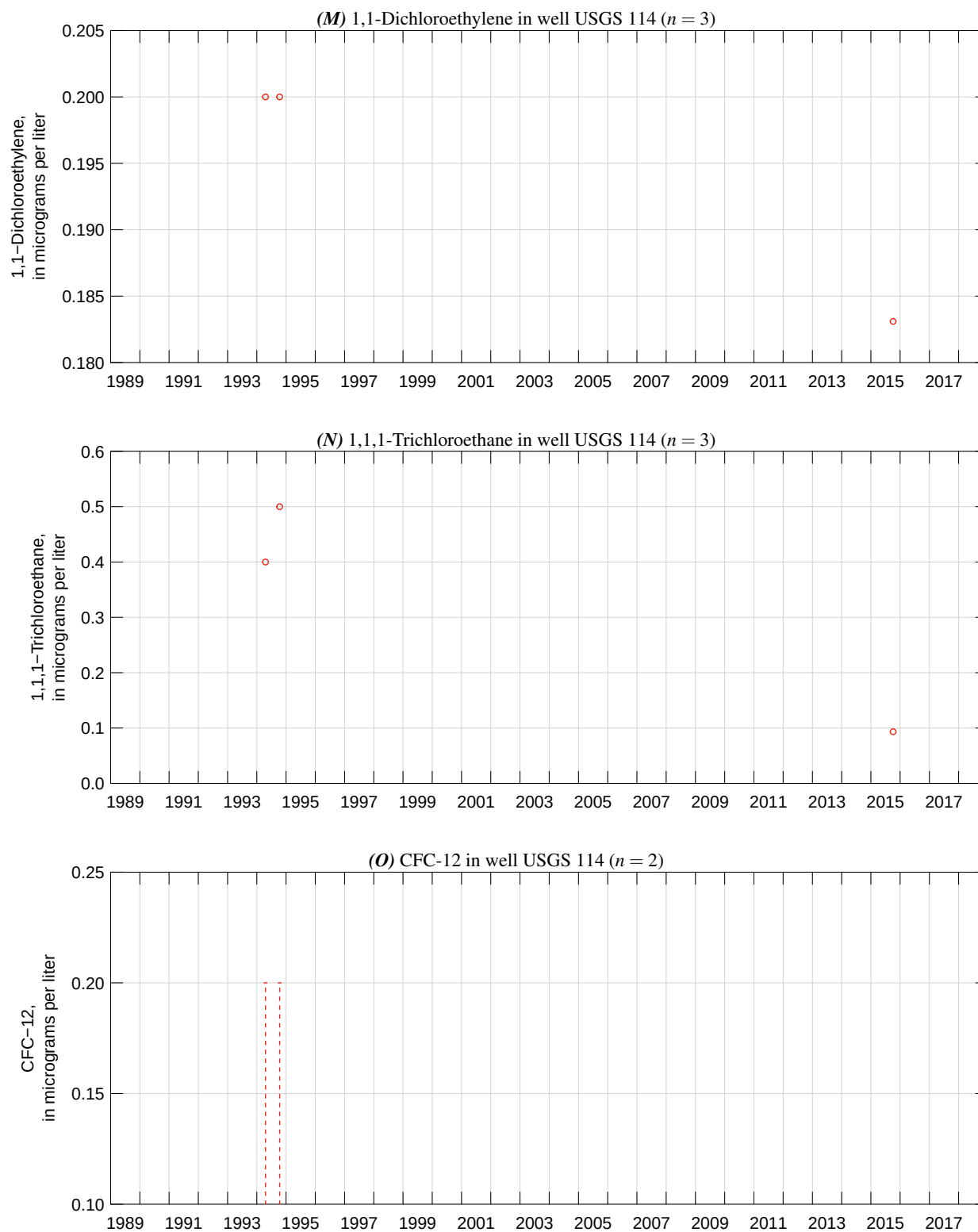


Figure 4.70. —Continued

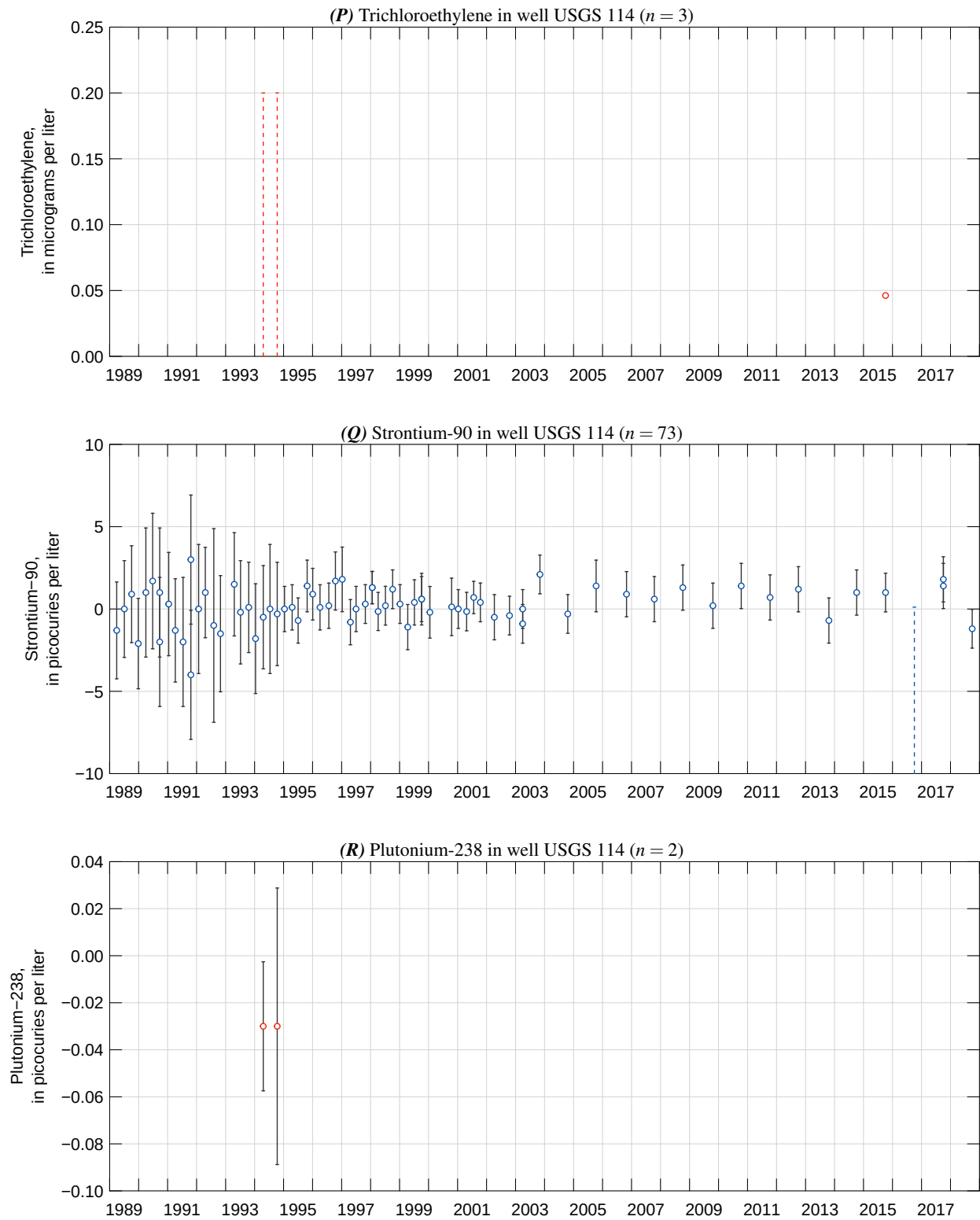


Figure 4.70. —Continued

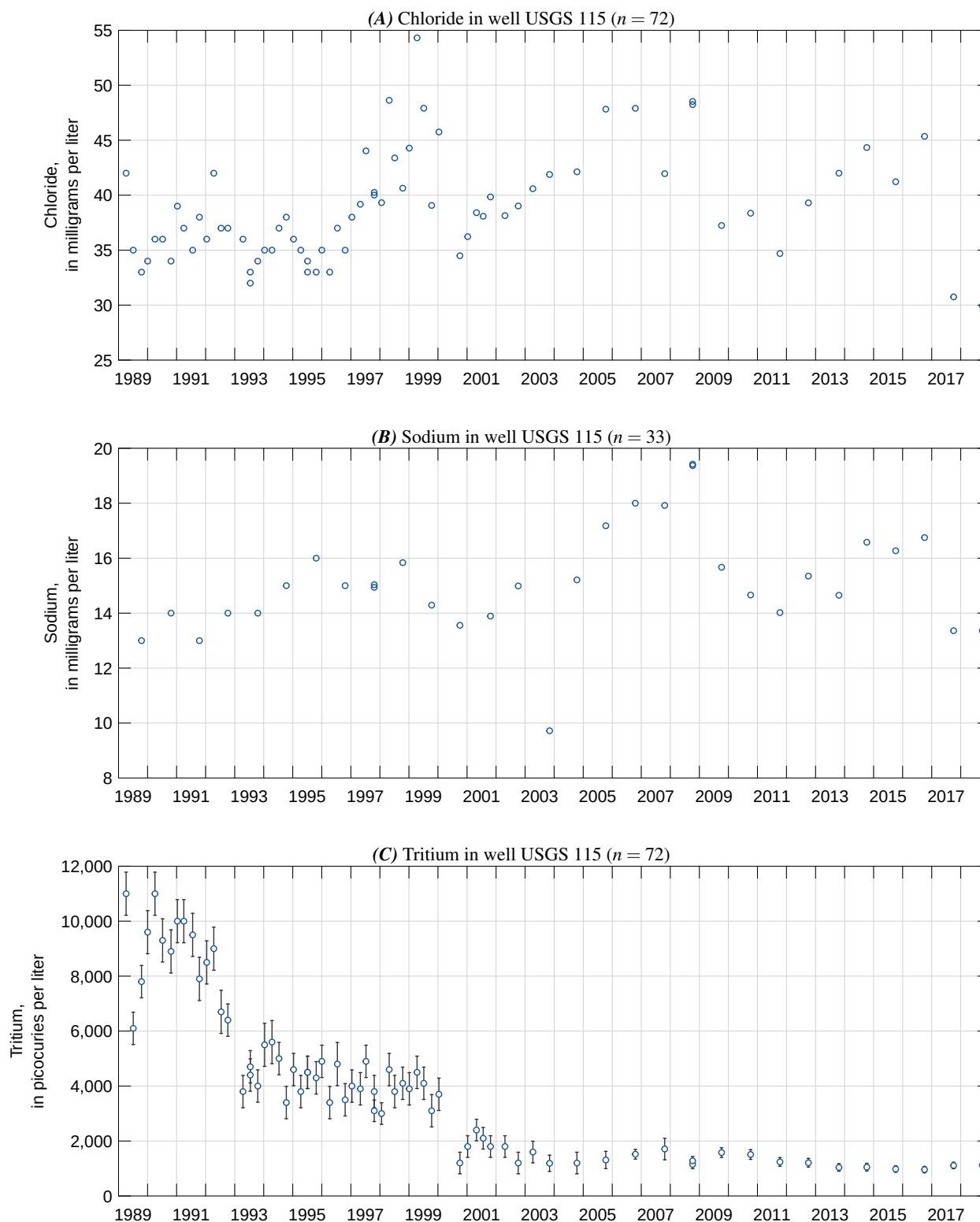


Figure 4.71. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) nitrate, (E) sulfate, (F) fluoride, (G) carbon tetrachloride, (H) chloroform, (I) toluene, (J) tetrachloroethylene, (K) 1,1-dichloroethylene, (L) 1,1,1-trichloroethane, (M) trichloroethylene, and (N) strontium-90 concentrations in water collected from well USGS 115 (Site No. 433320112554101), Idaho National Laboratory, Idaho, 1989–2018.

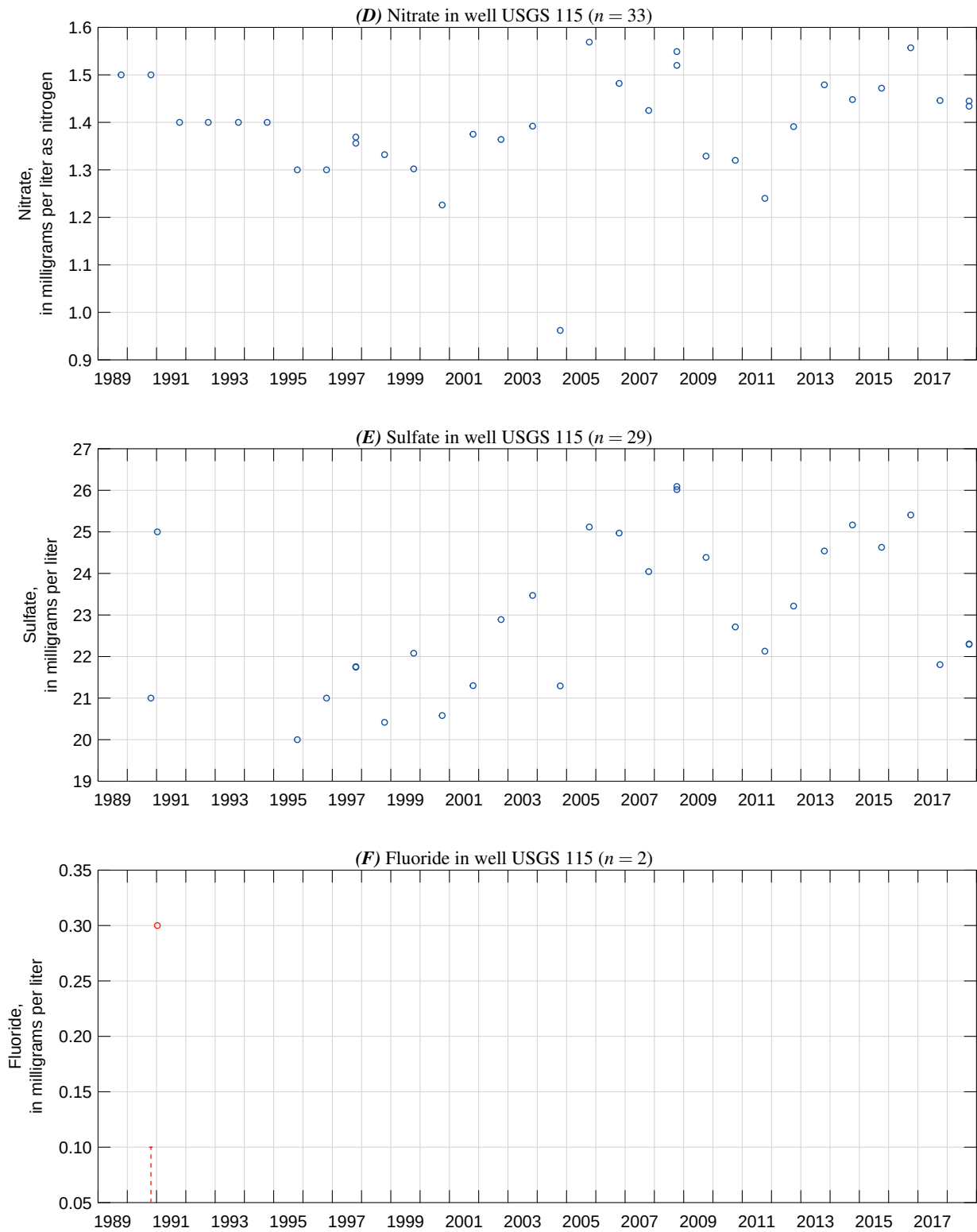
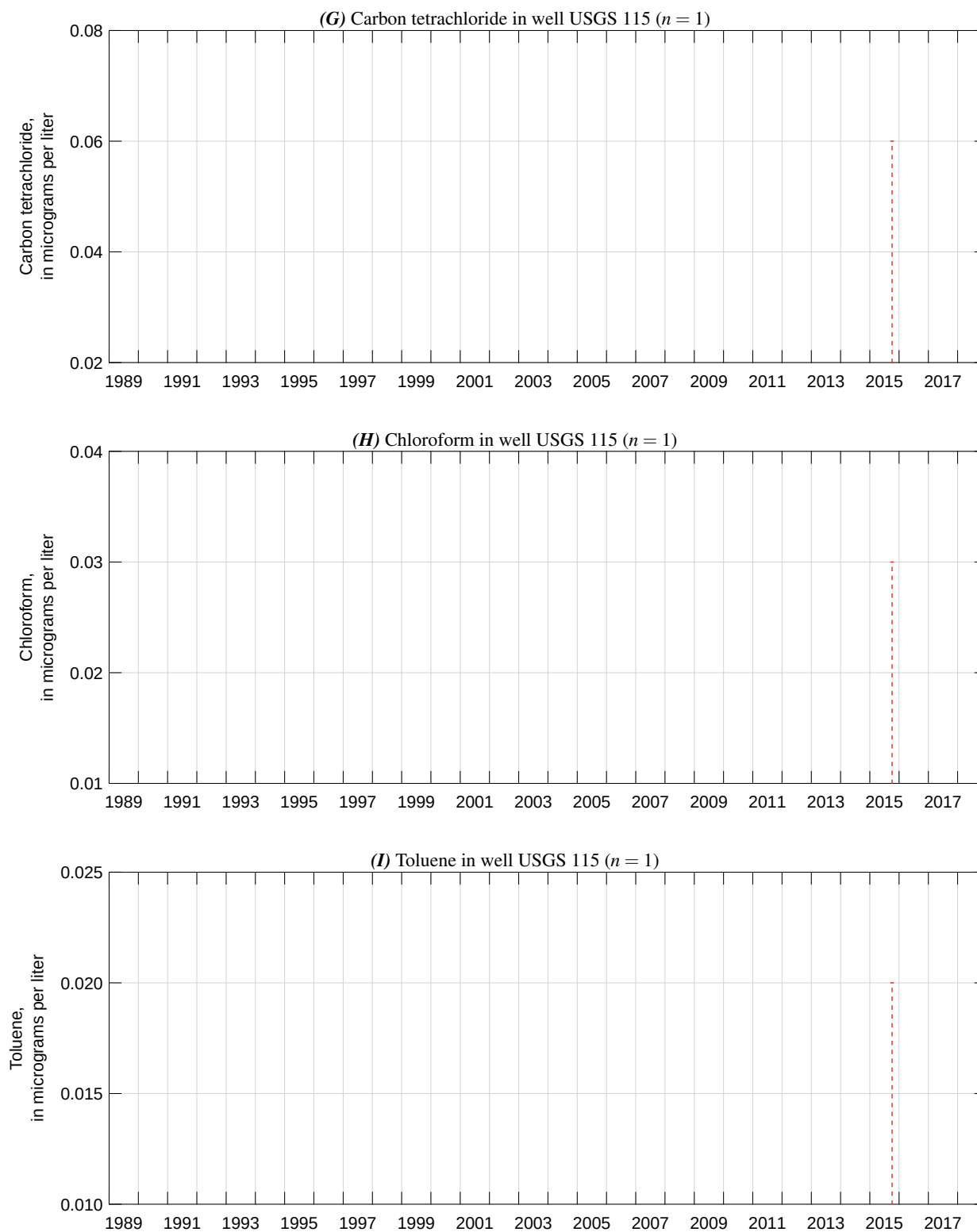


Figure 4.71. —Continued



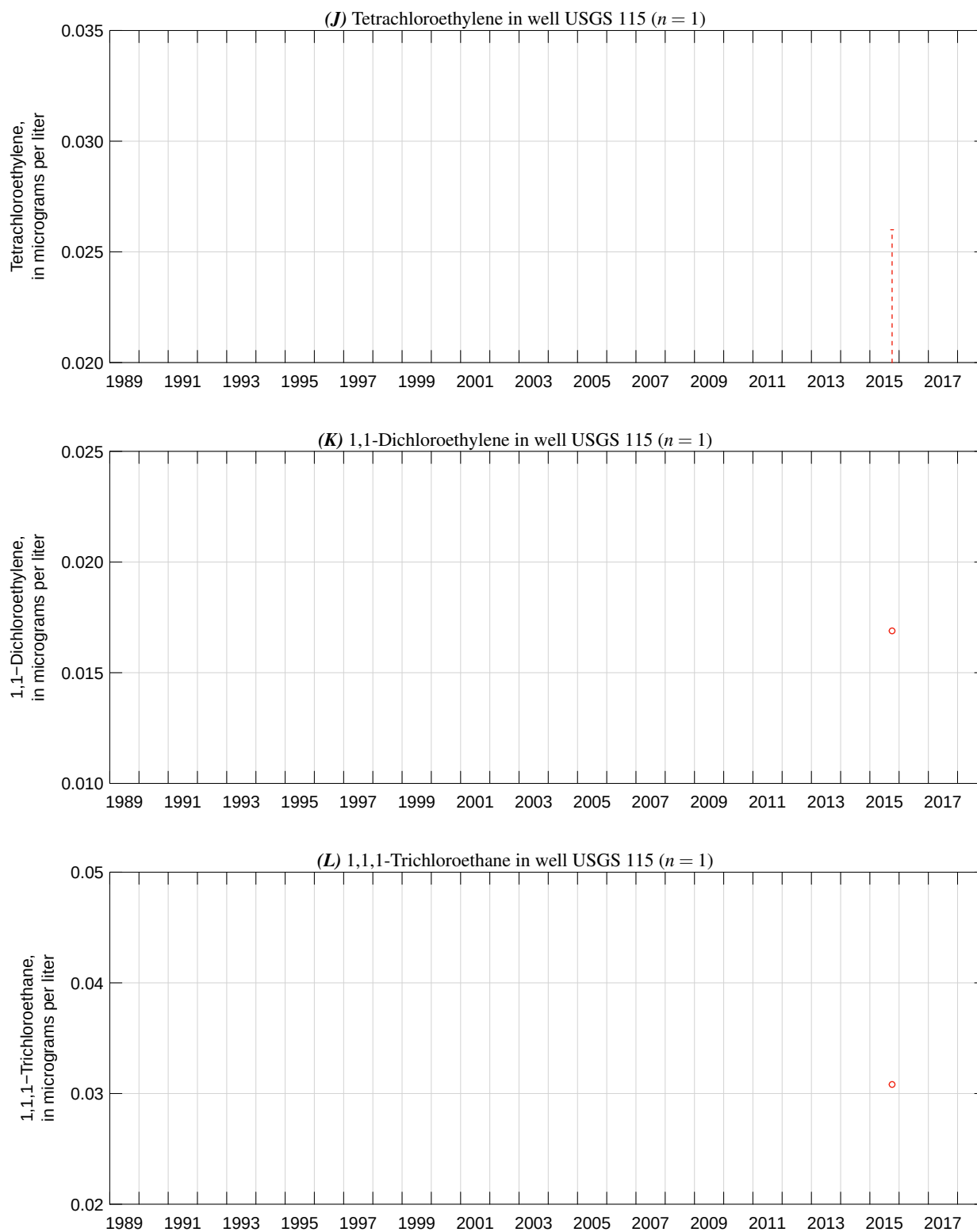


Figure 4.71. —Continued

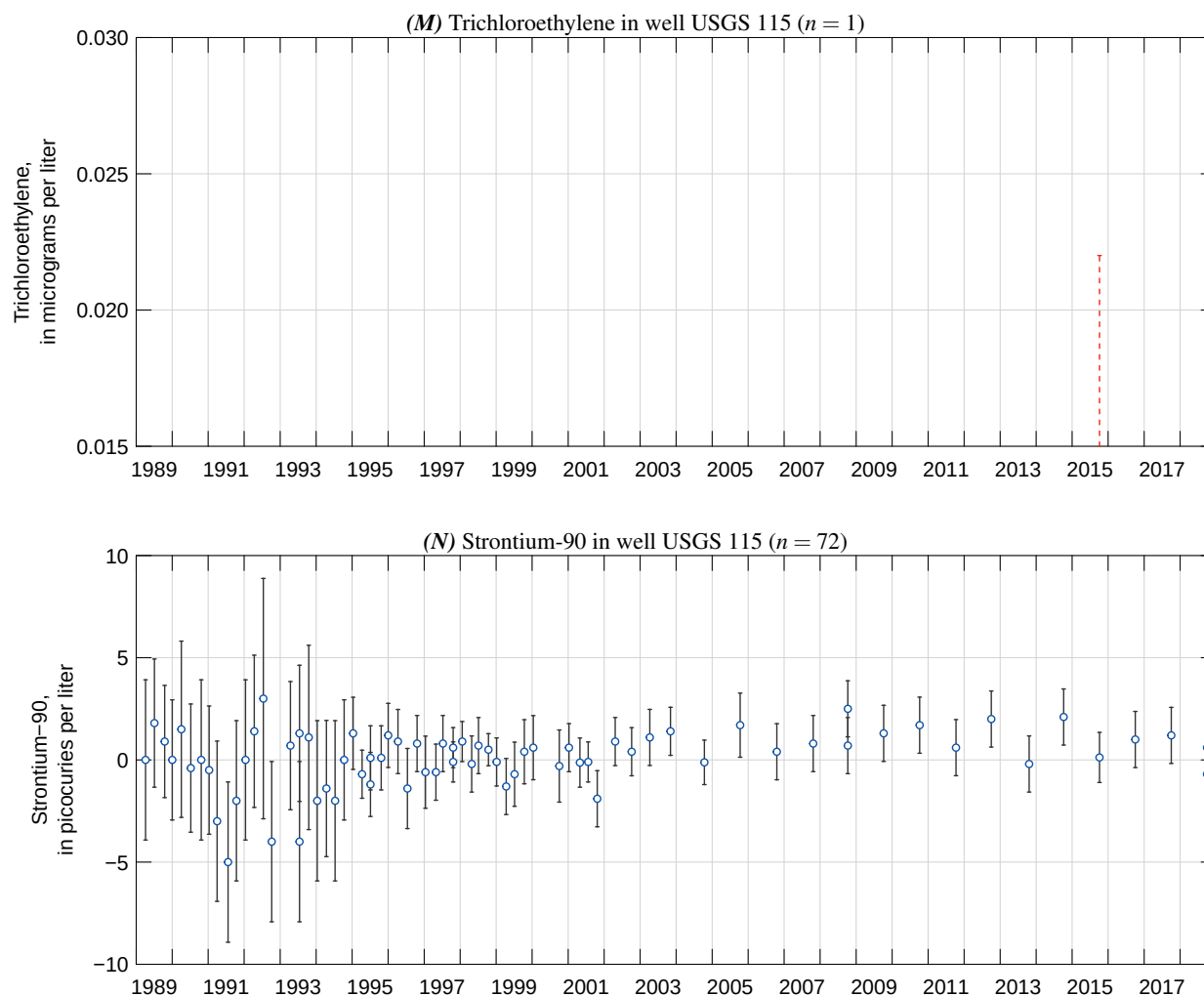


Figure 4.71. —Continued

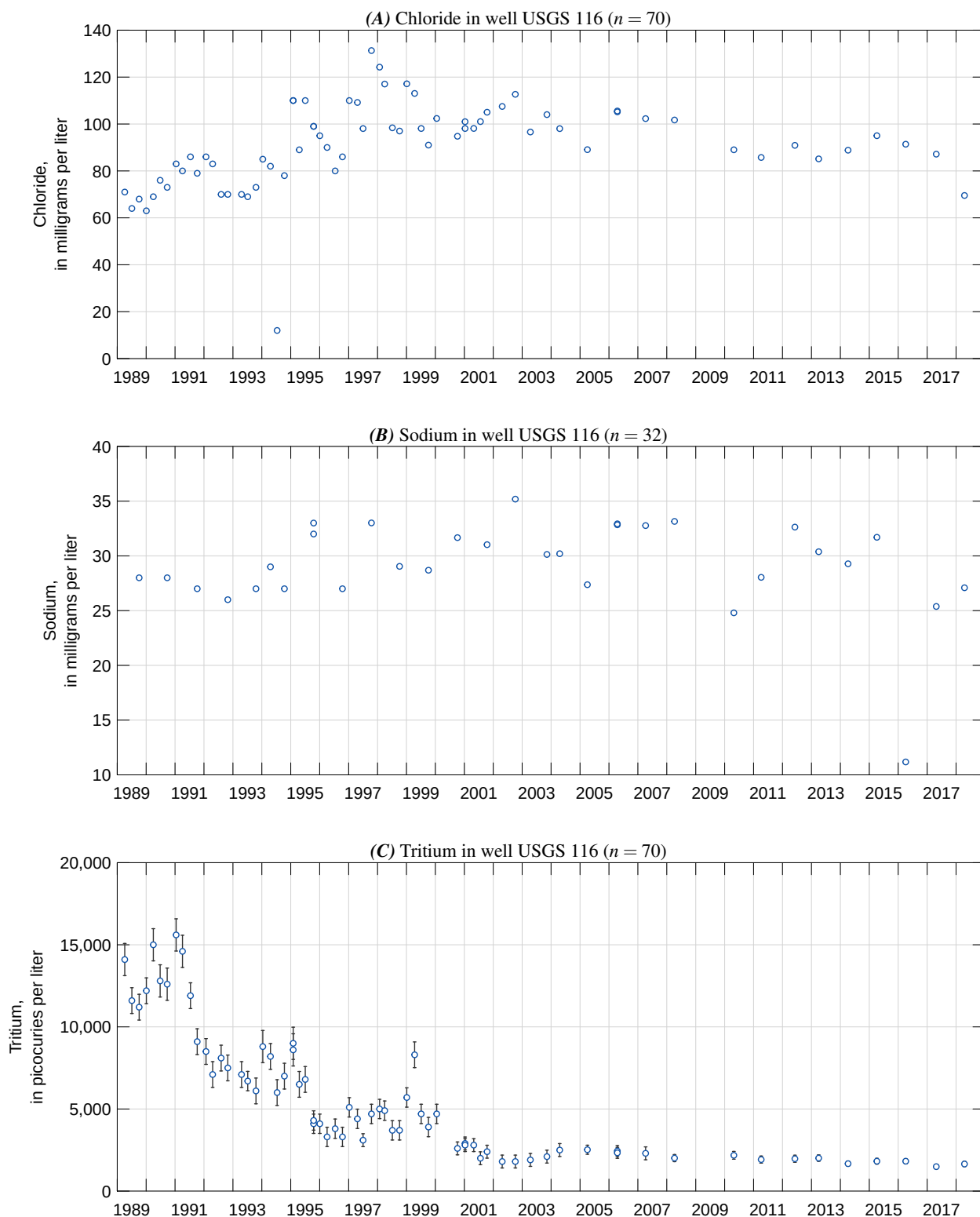


Figure 4.72. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, and (R) plutonium-238 concentrations in water collected from well USGS 116 (Site No. 433331112553201), Idaho National Laboratory, Idaho, 1989–2018.

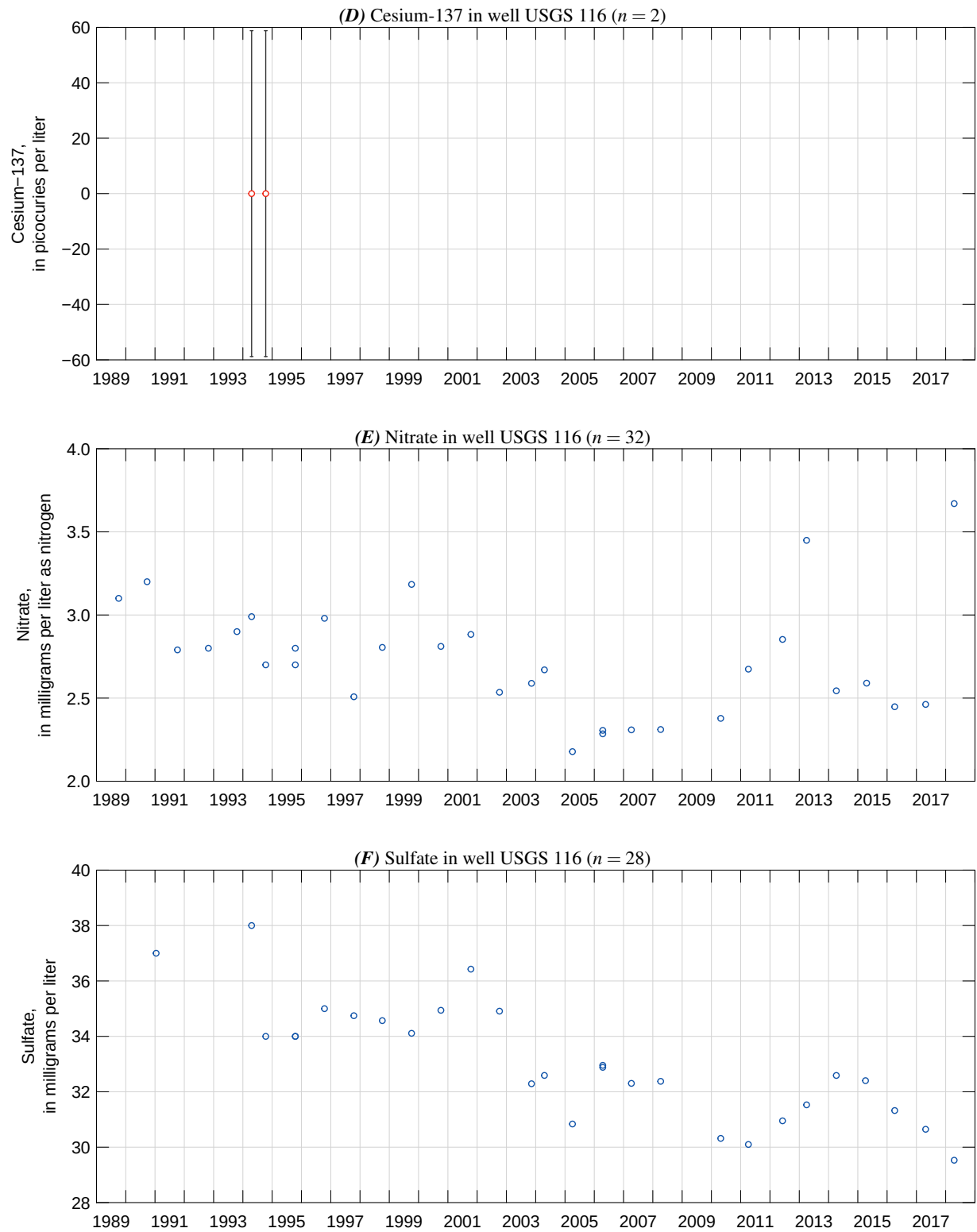


Figure 4.72. —Continued

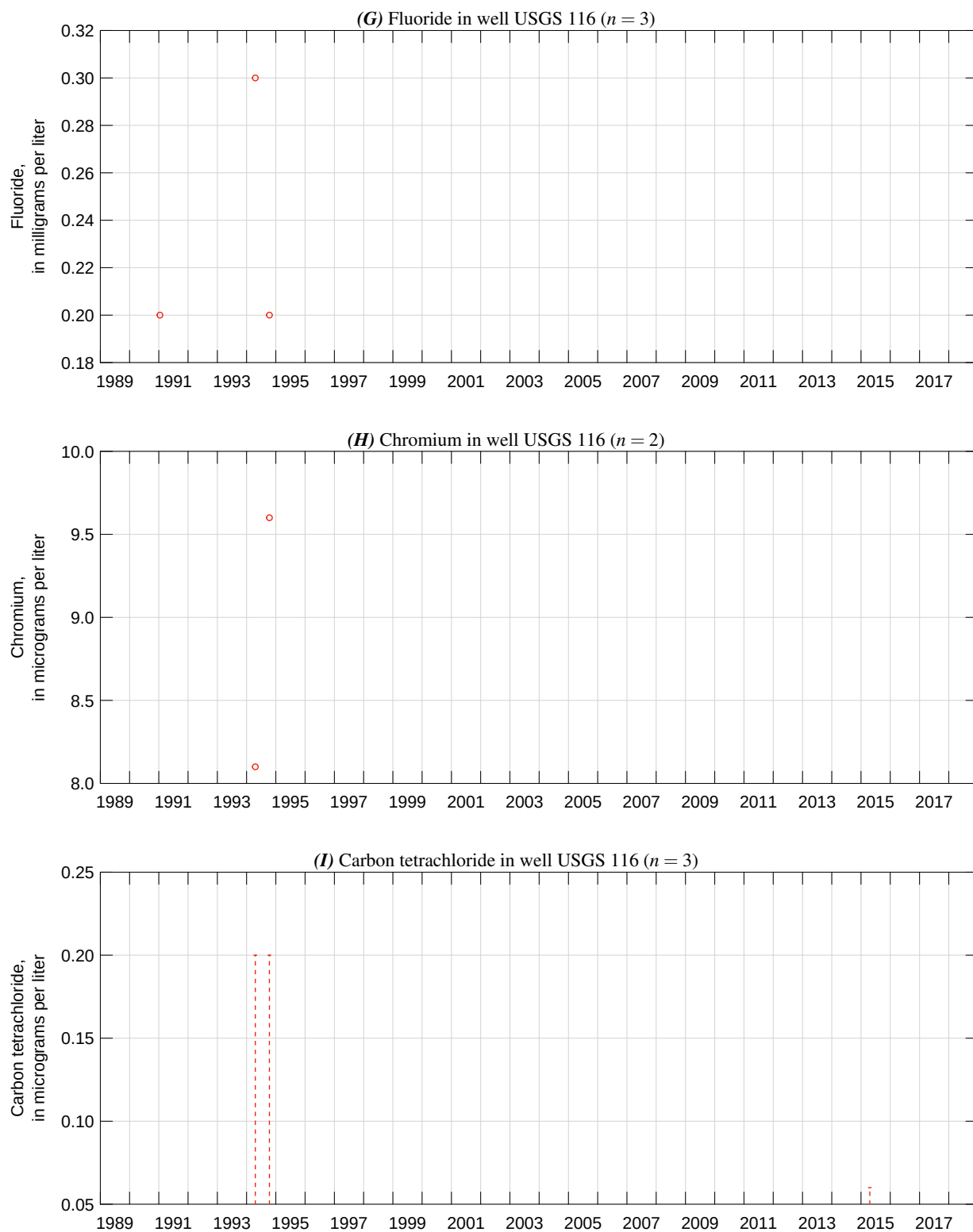


Figure 4.72. —Continued

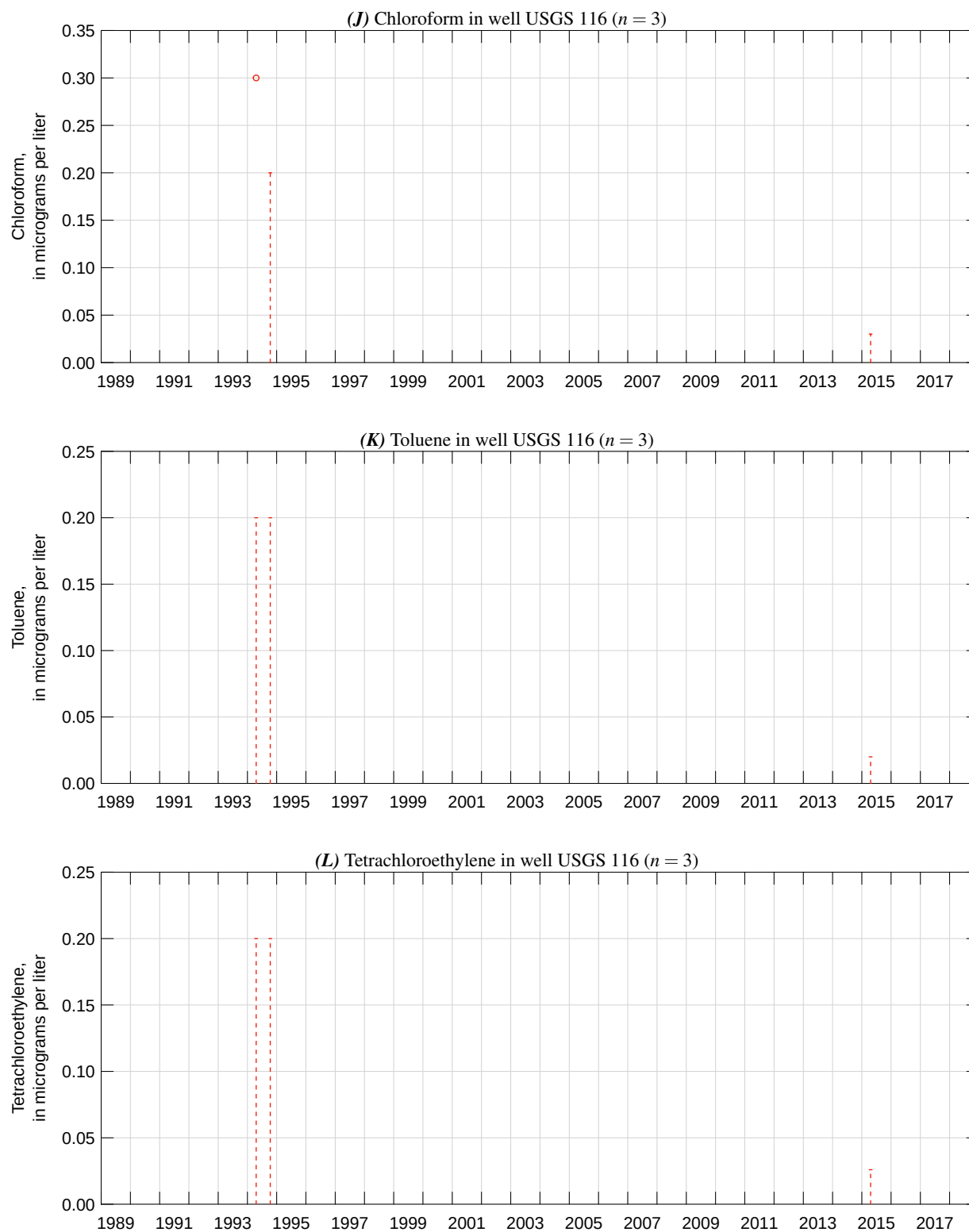


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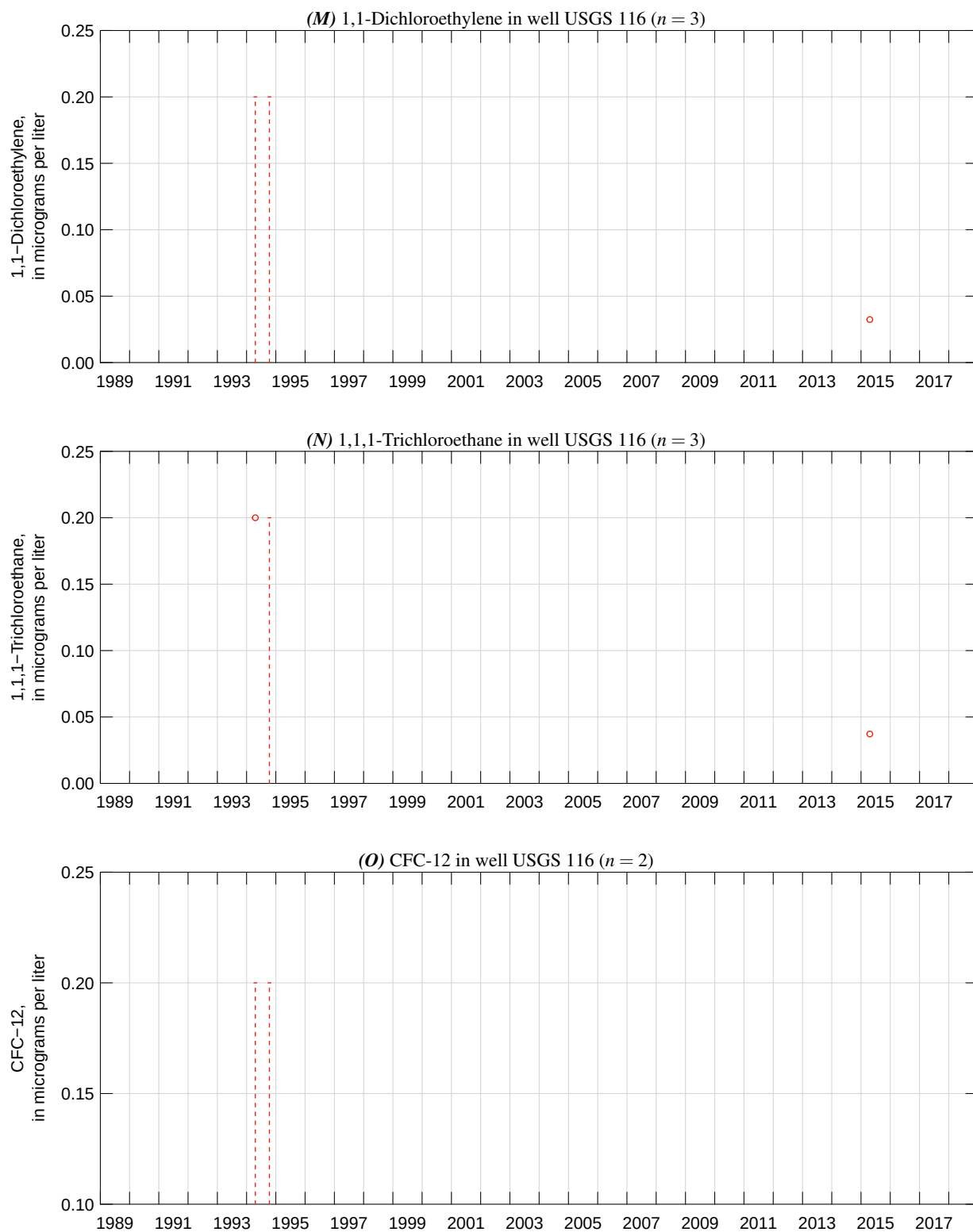


Figure 4.72. —Continued

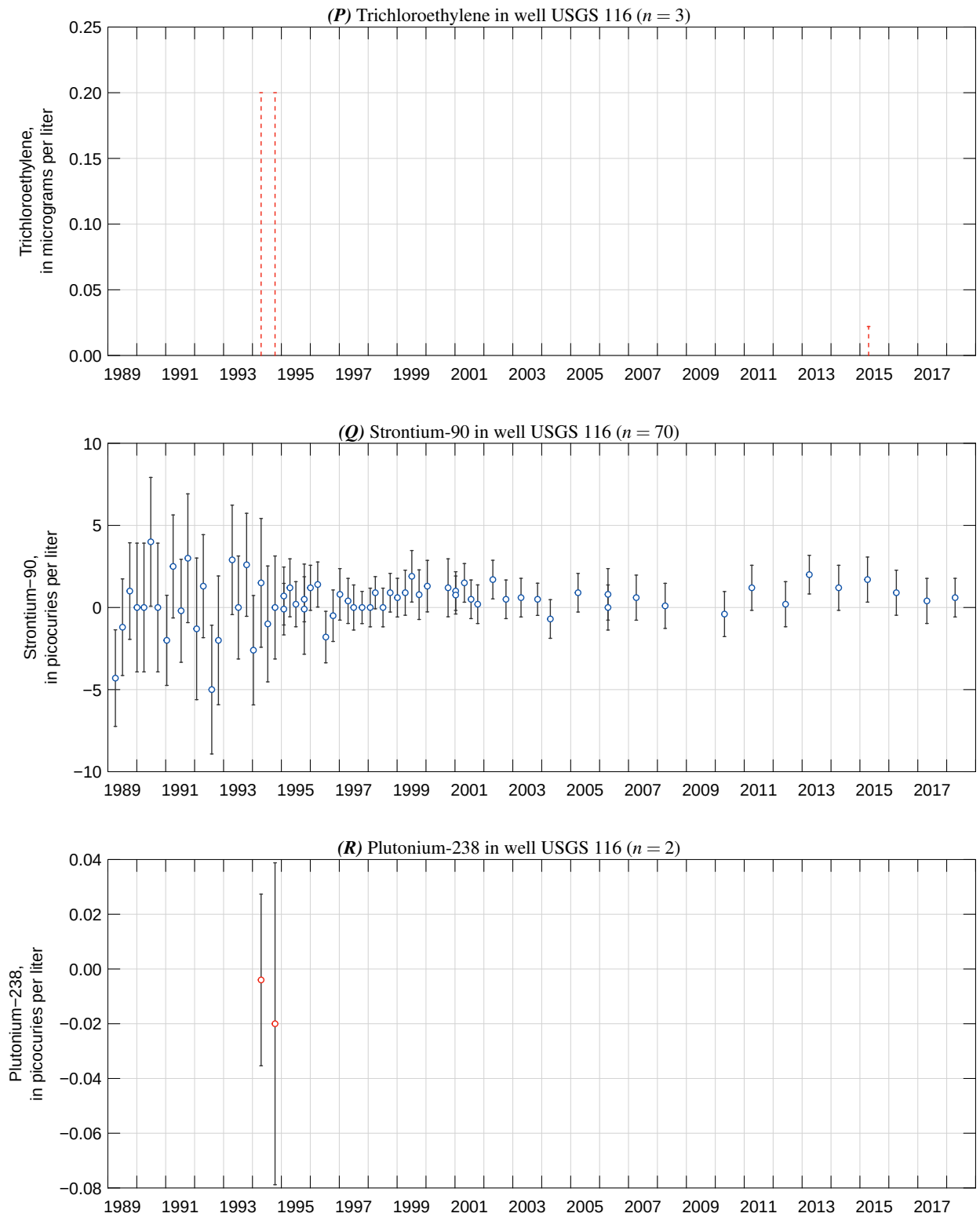


Figure 4.72. —Continued

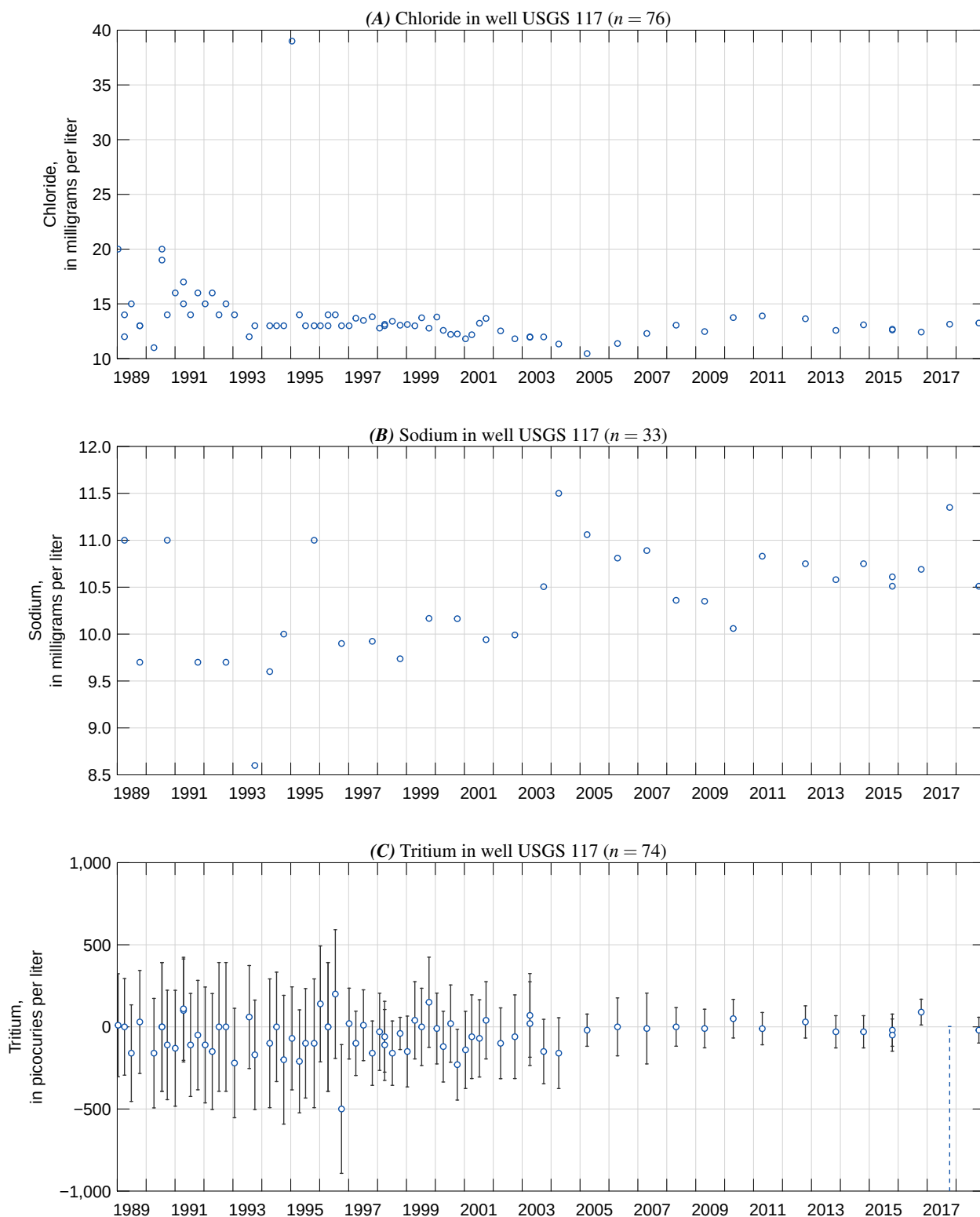


Figure 4.73. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, and (R) plutonium-238 concentrations in water collected from well USGS 117 (Site No. 432955113025901), Idaho National Laboratory, Idaho, 1989–2018.

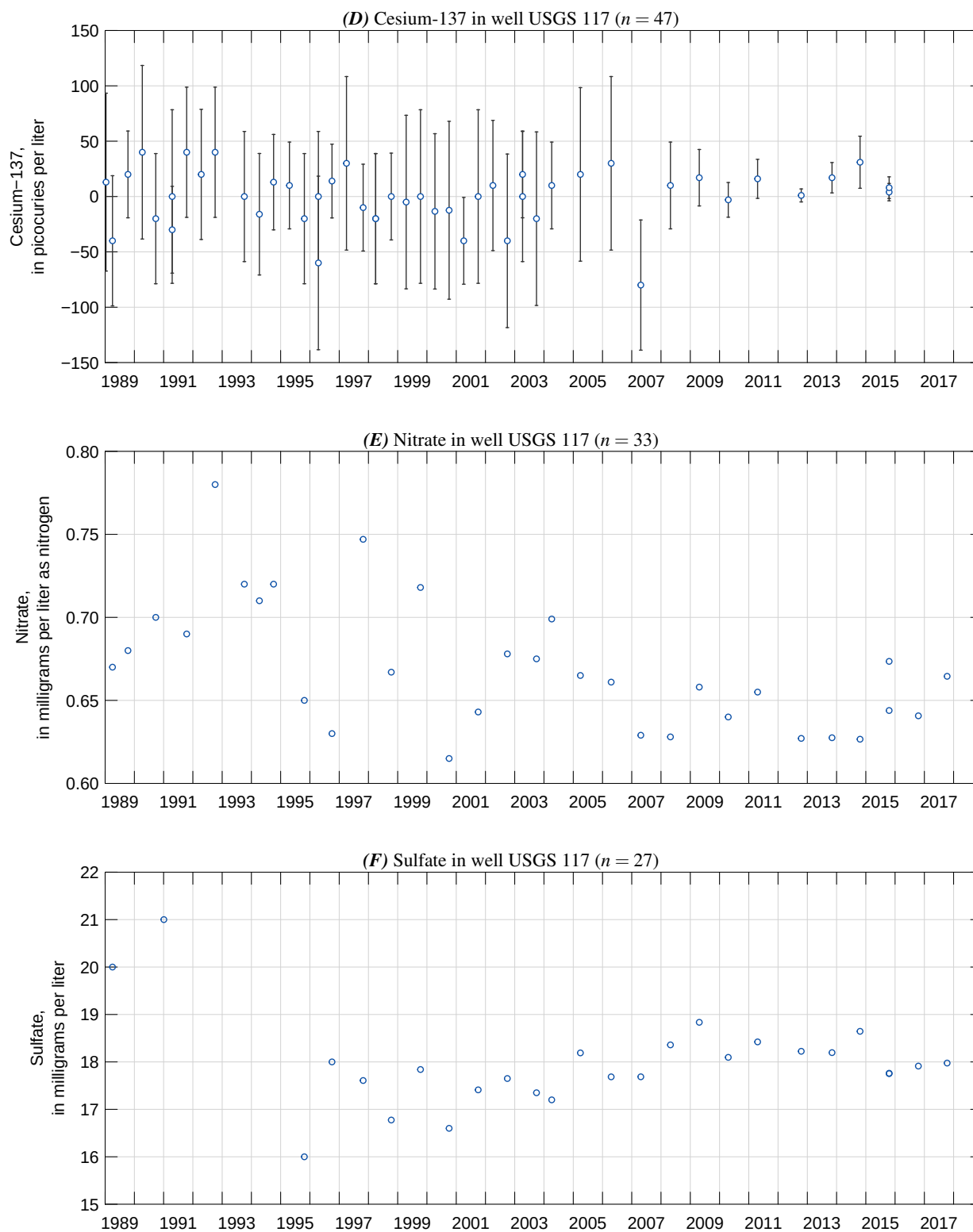


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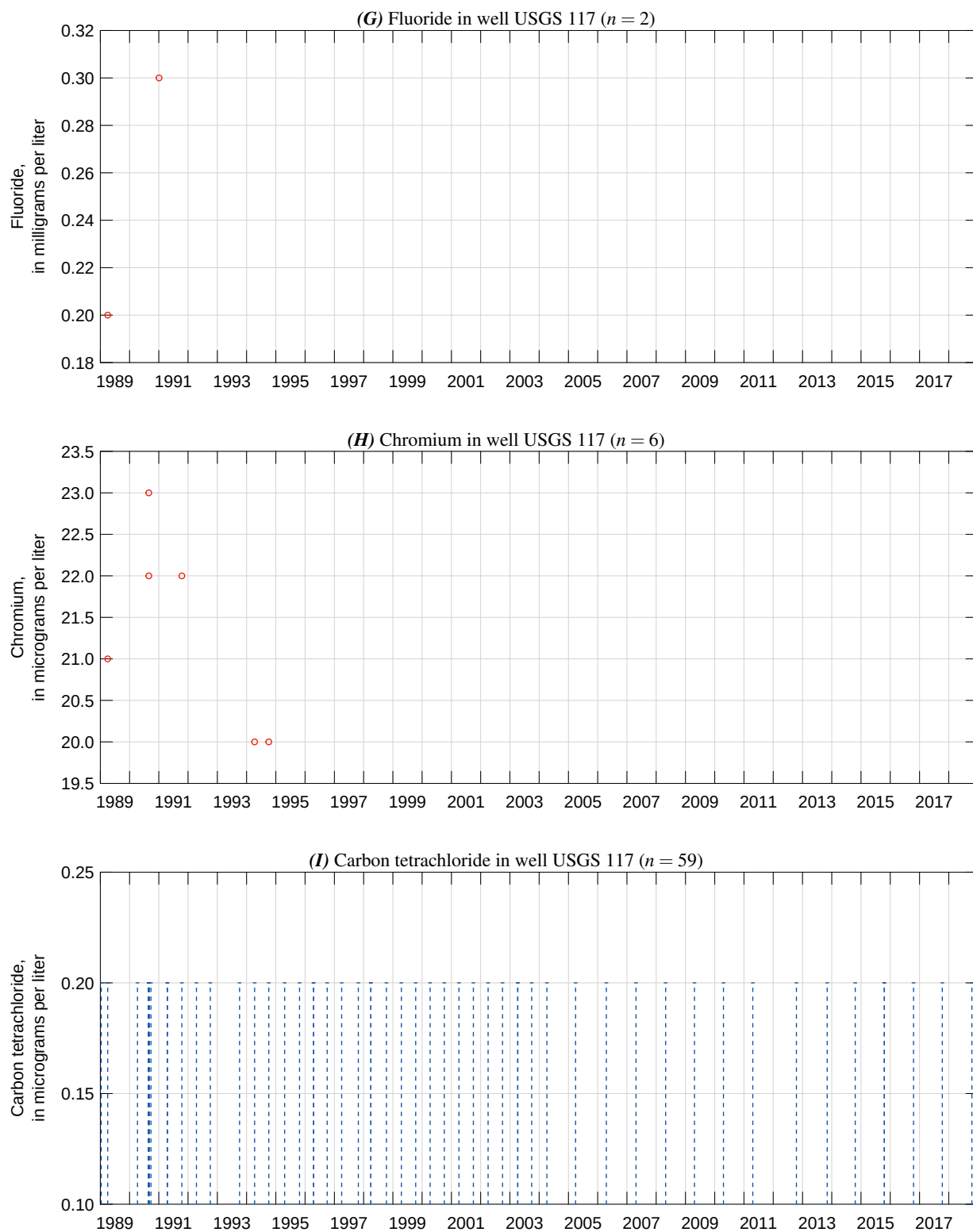


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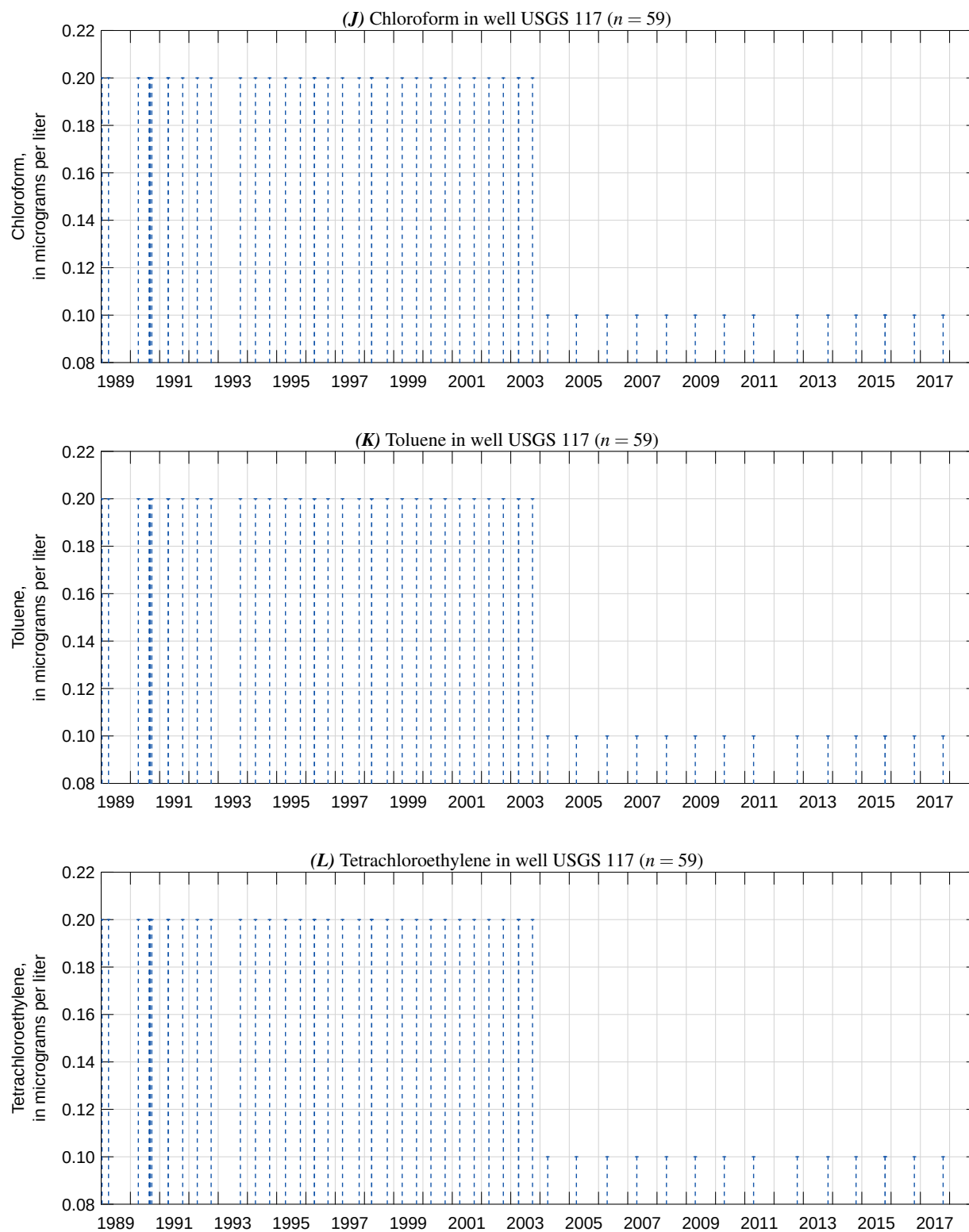


Figure 4.73. —Continued

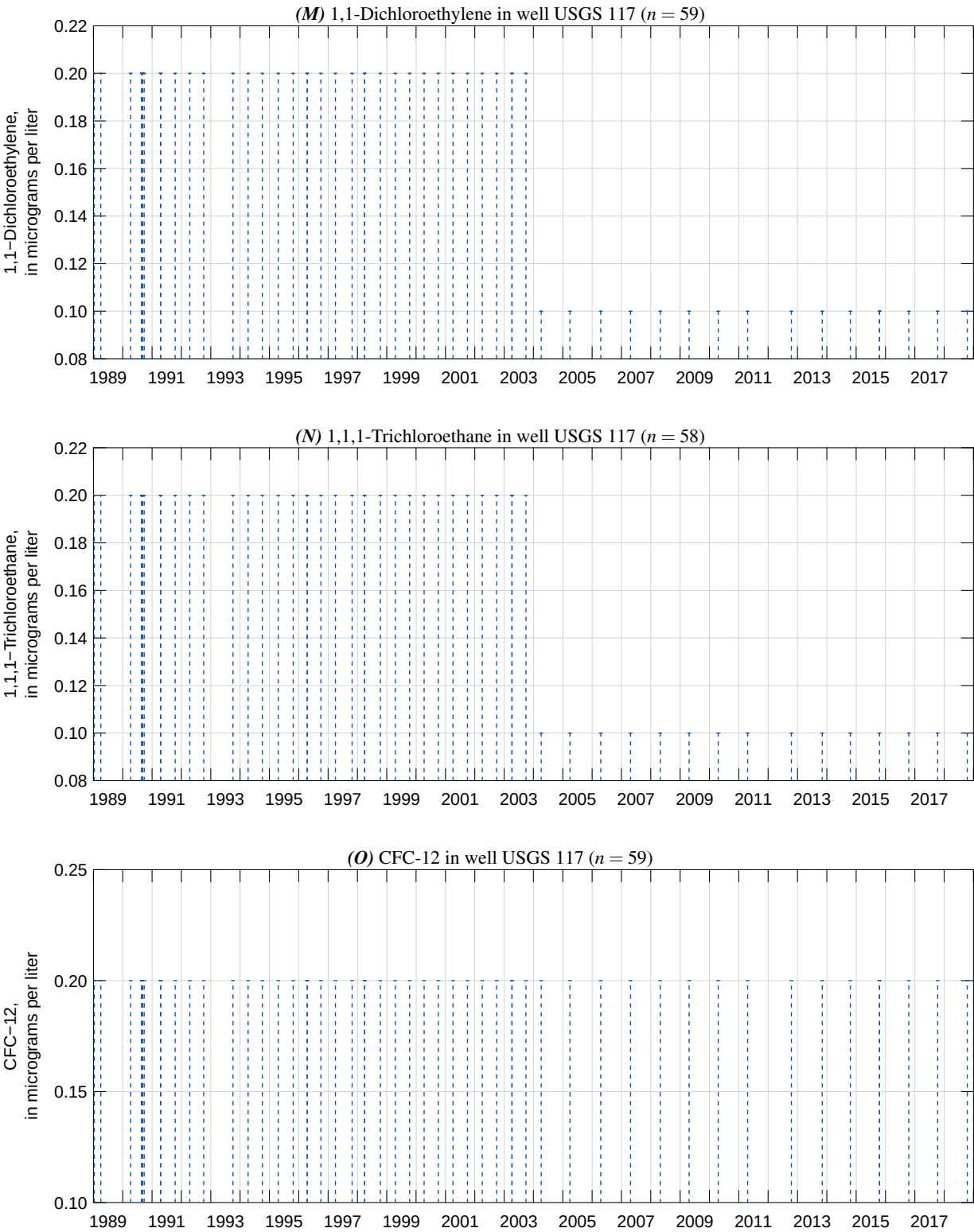


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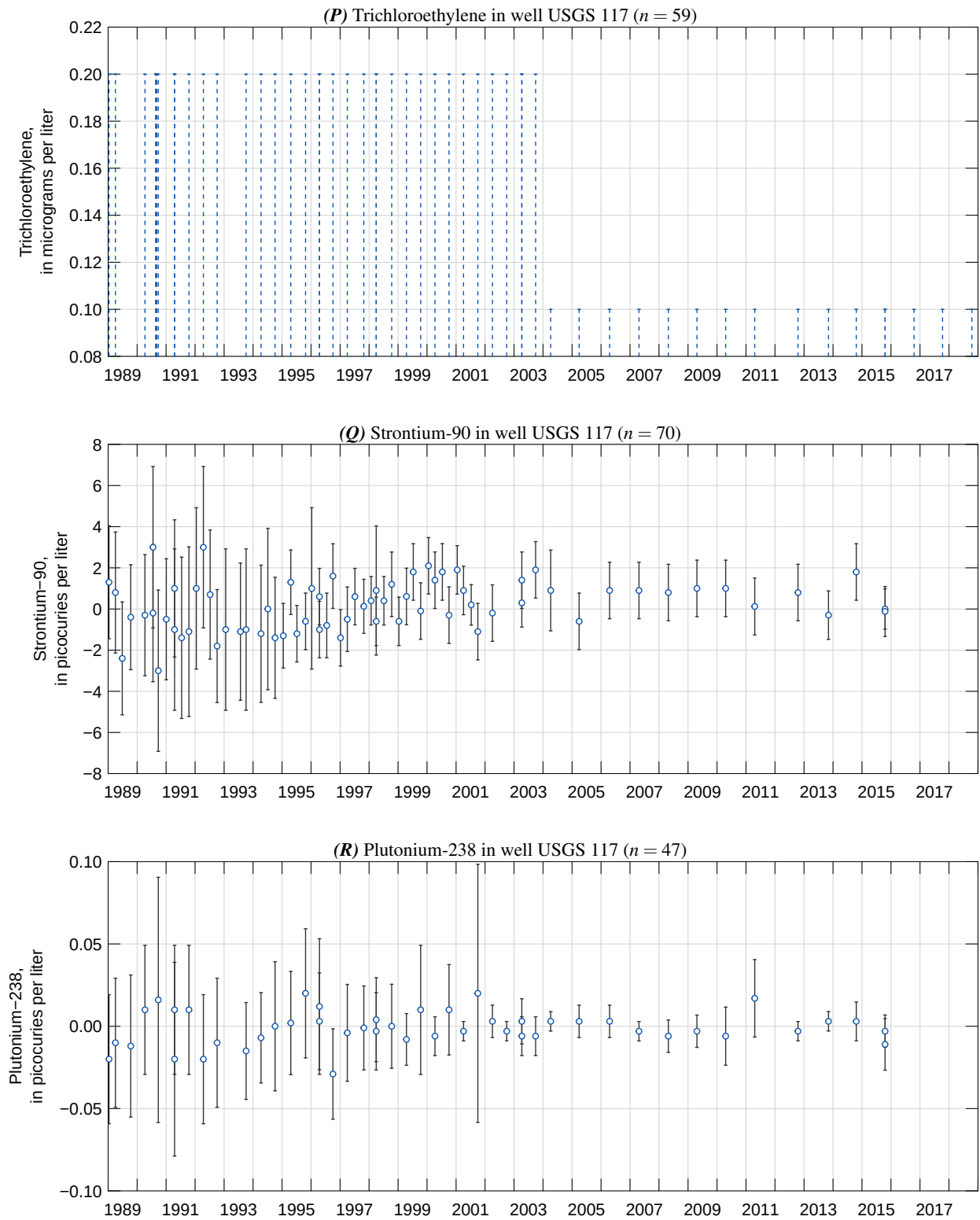


Figure 4.73. —Continued

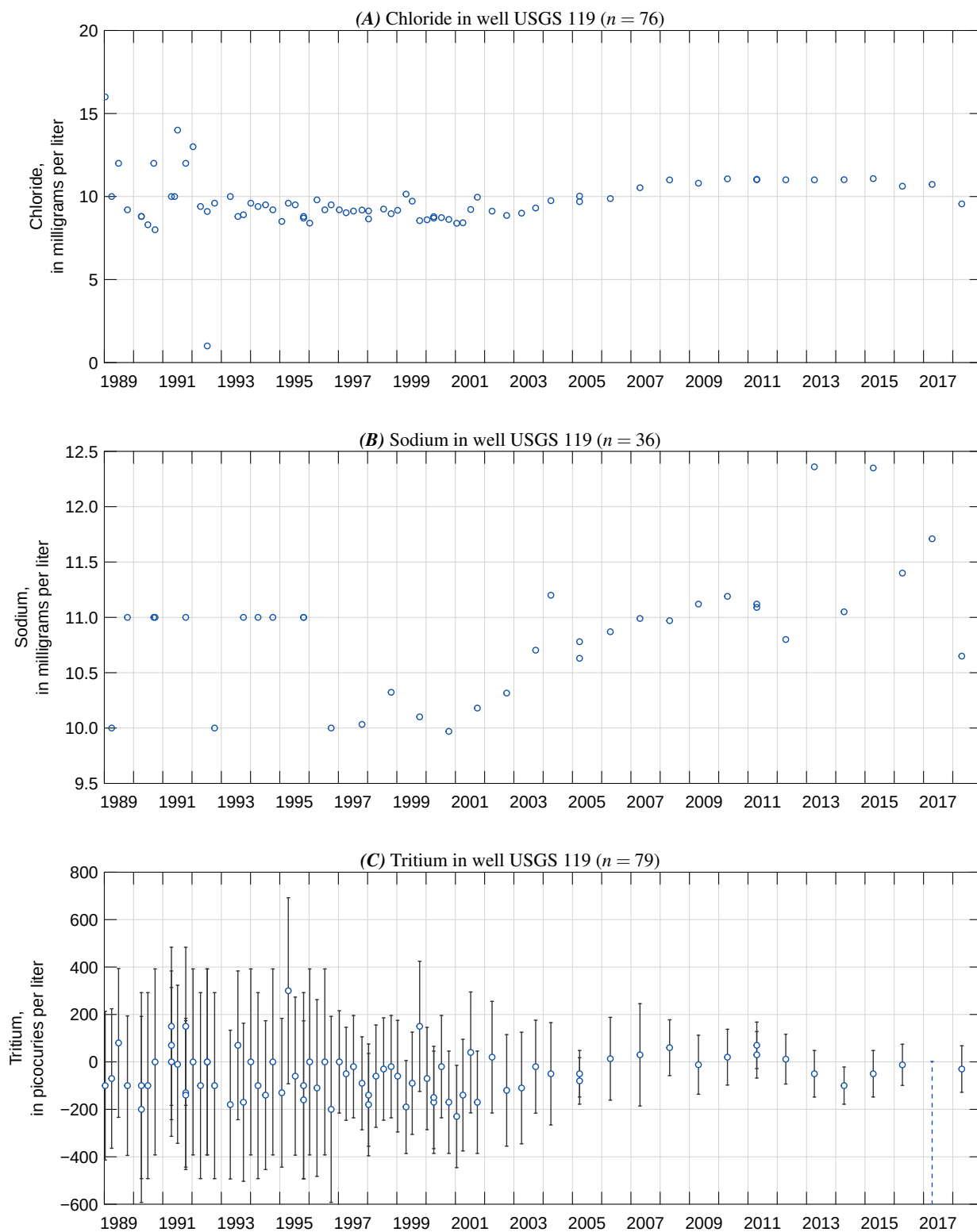


Figure 4.74. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, and (R) plutonium-238 concentrations in water collected from well USGS 119 (Site No. 432945113023401), Idaho National Laboratory, Idaho, 1989–2018.

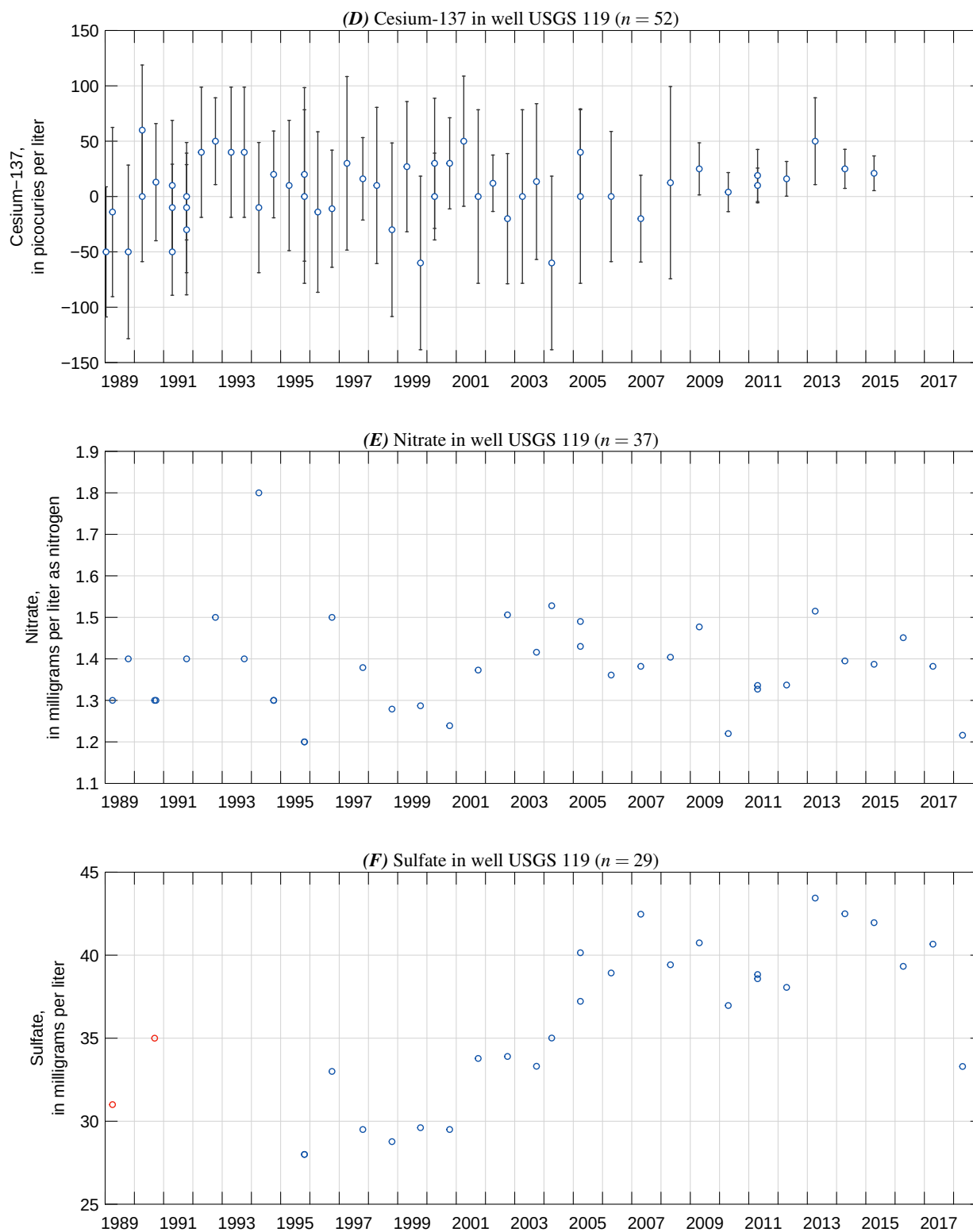


Figure 4.74. —Continued

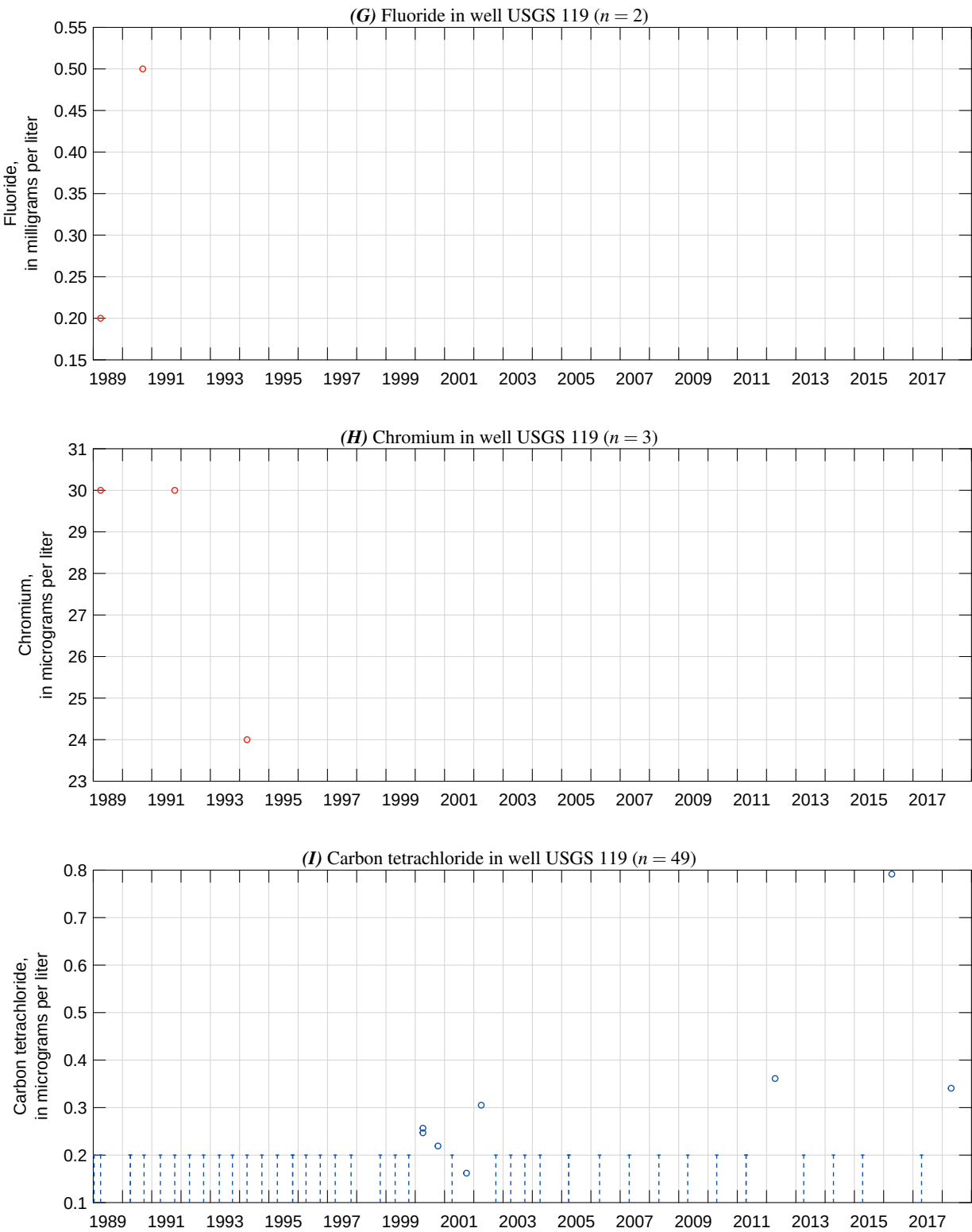
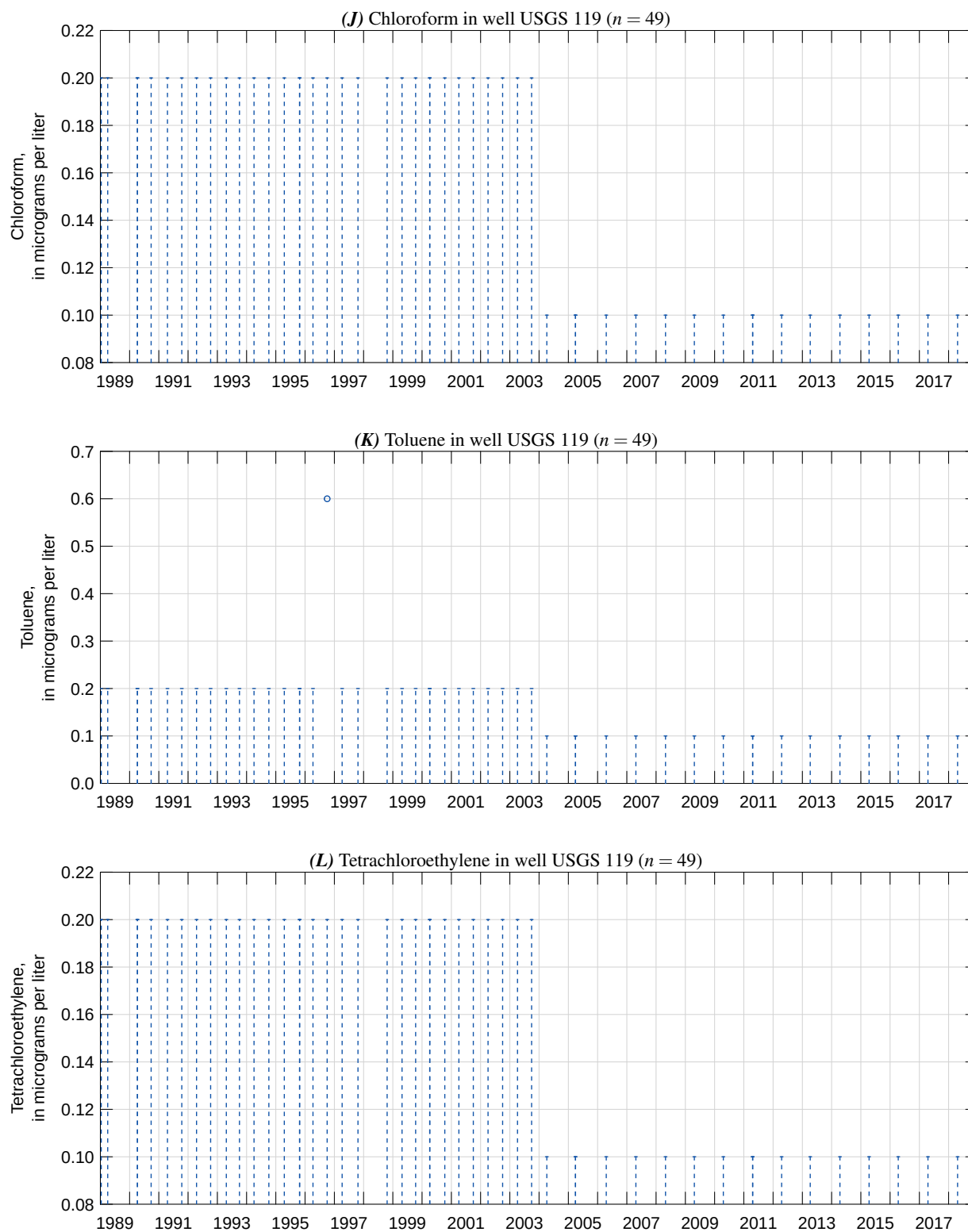


Figure 4.74. —Continued



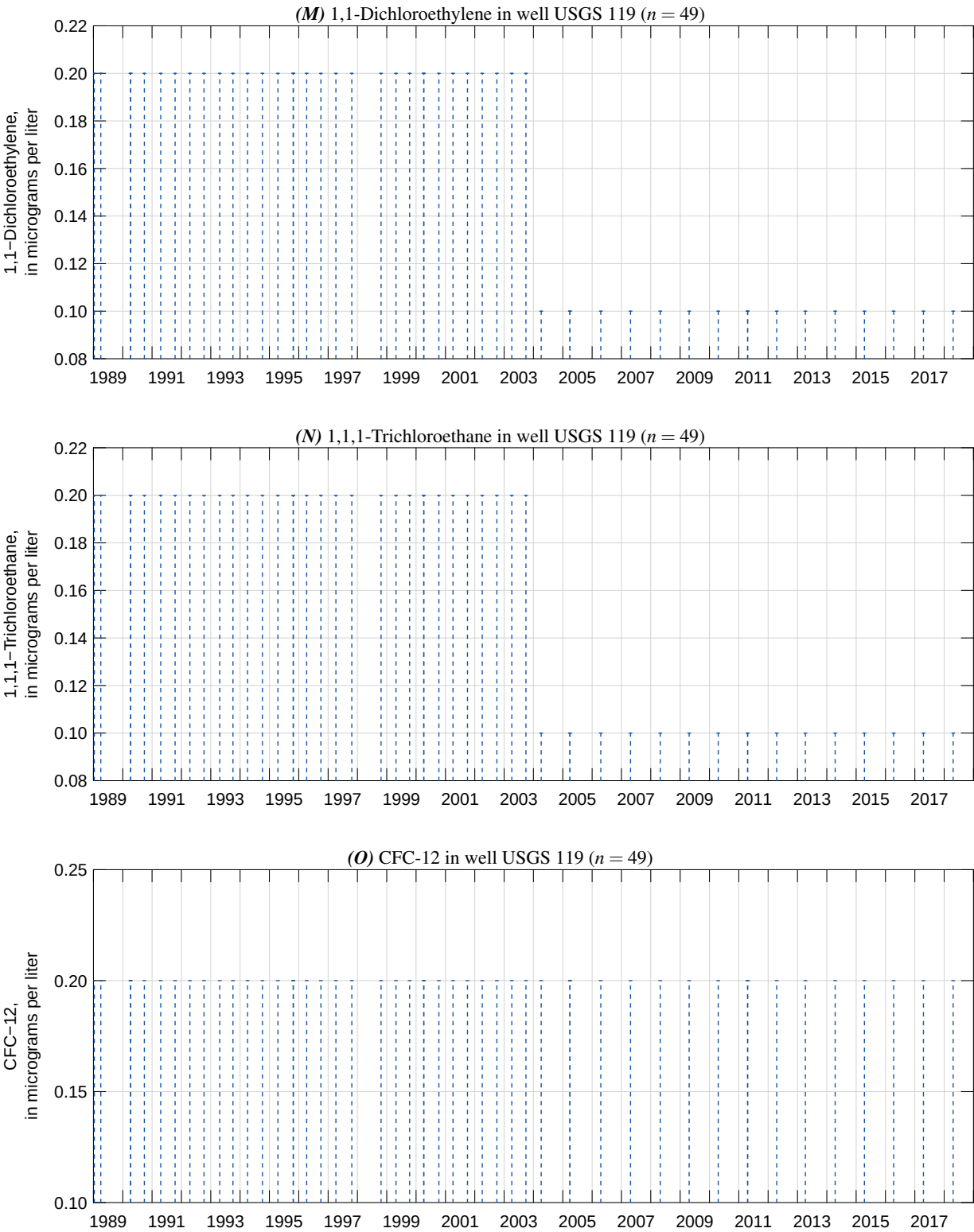


Figure 4.74. —Continued

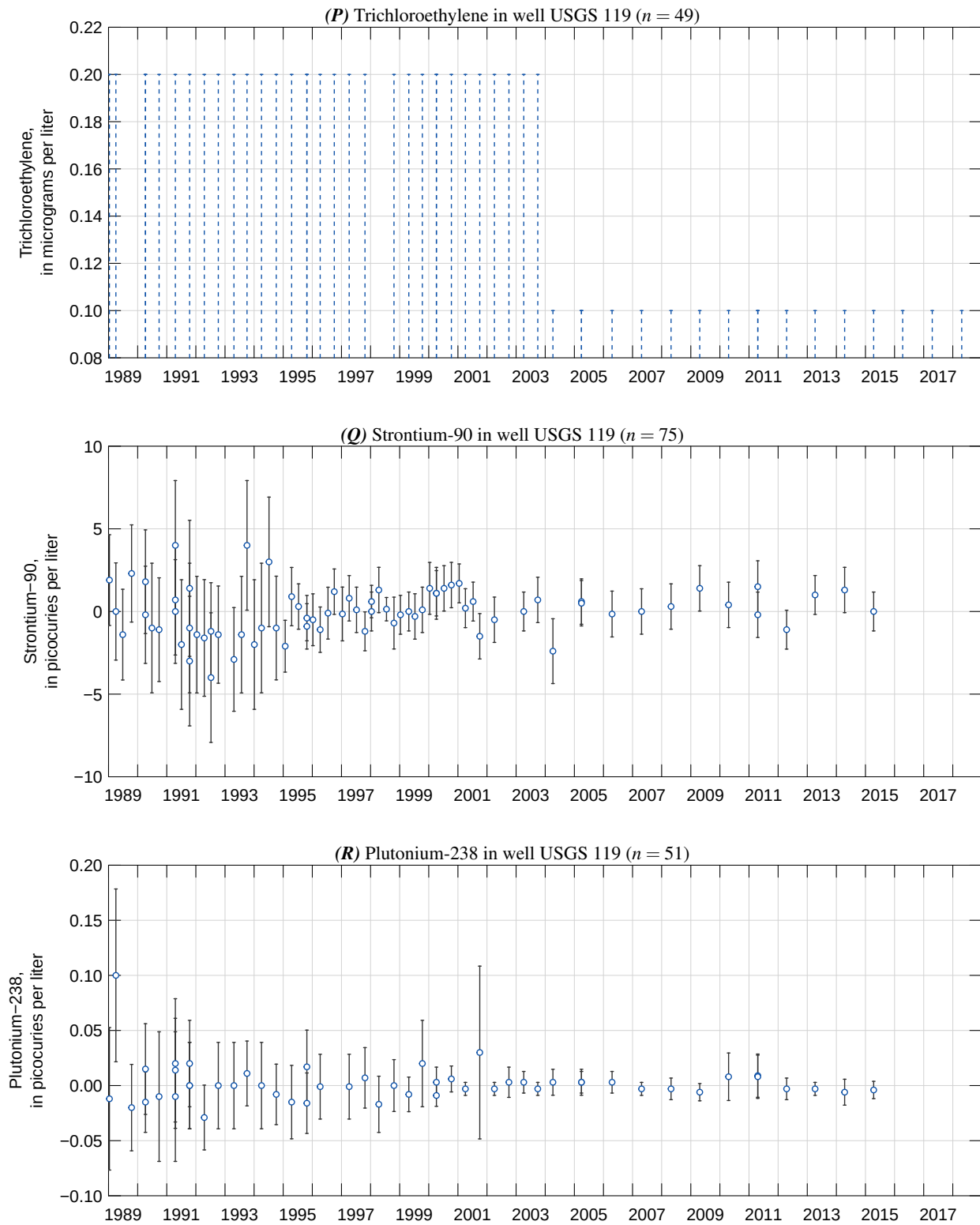


Figure 4.74. —Continued

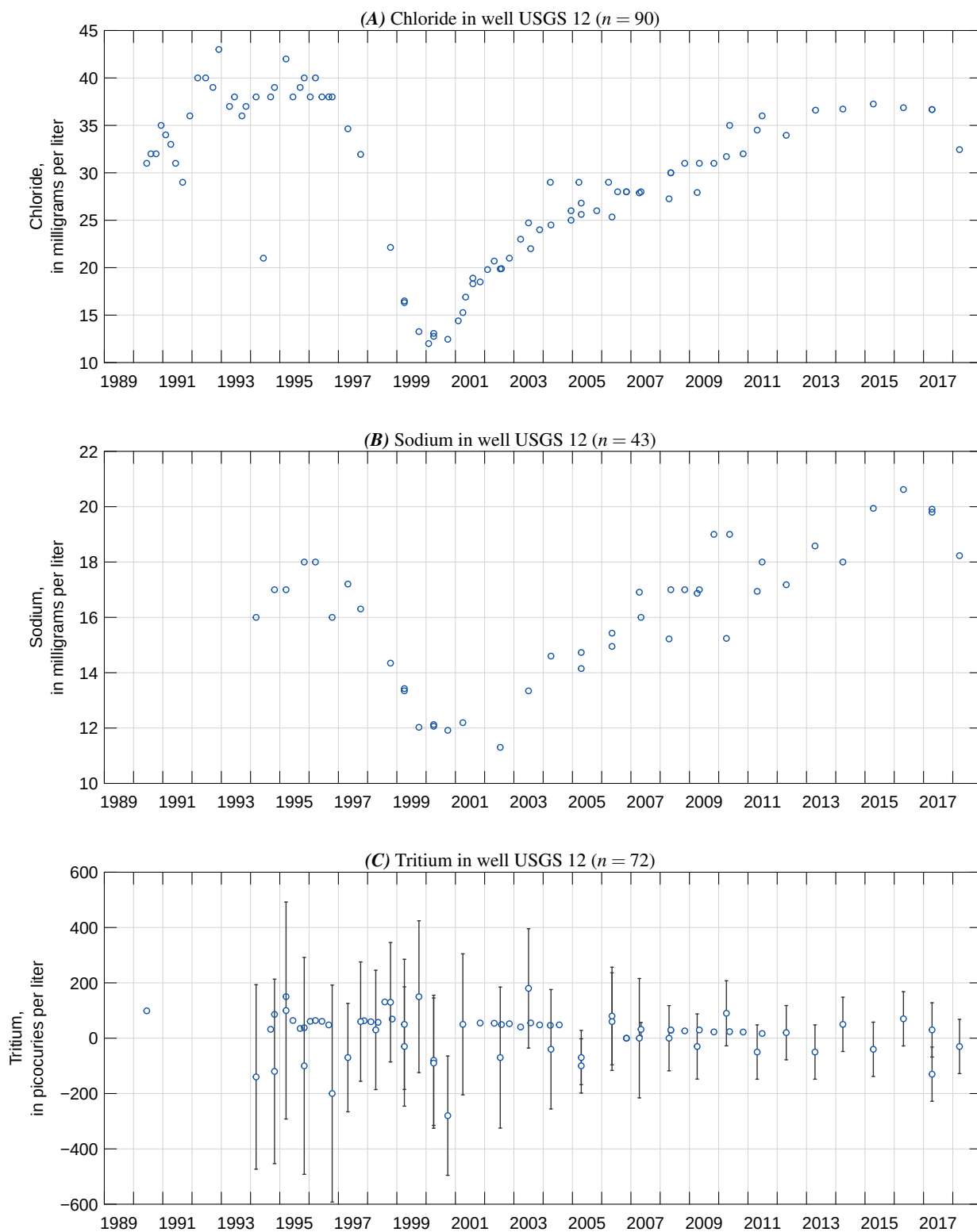


Figure 4.75. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) alpha particle, and (R) beta particle concentrations in water collected from well USGS 12 (Site No. 434126112550701), Idaho National Laboratory, Idaho, 1989–2018.

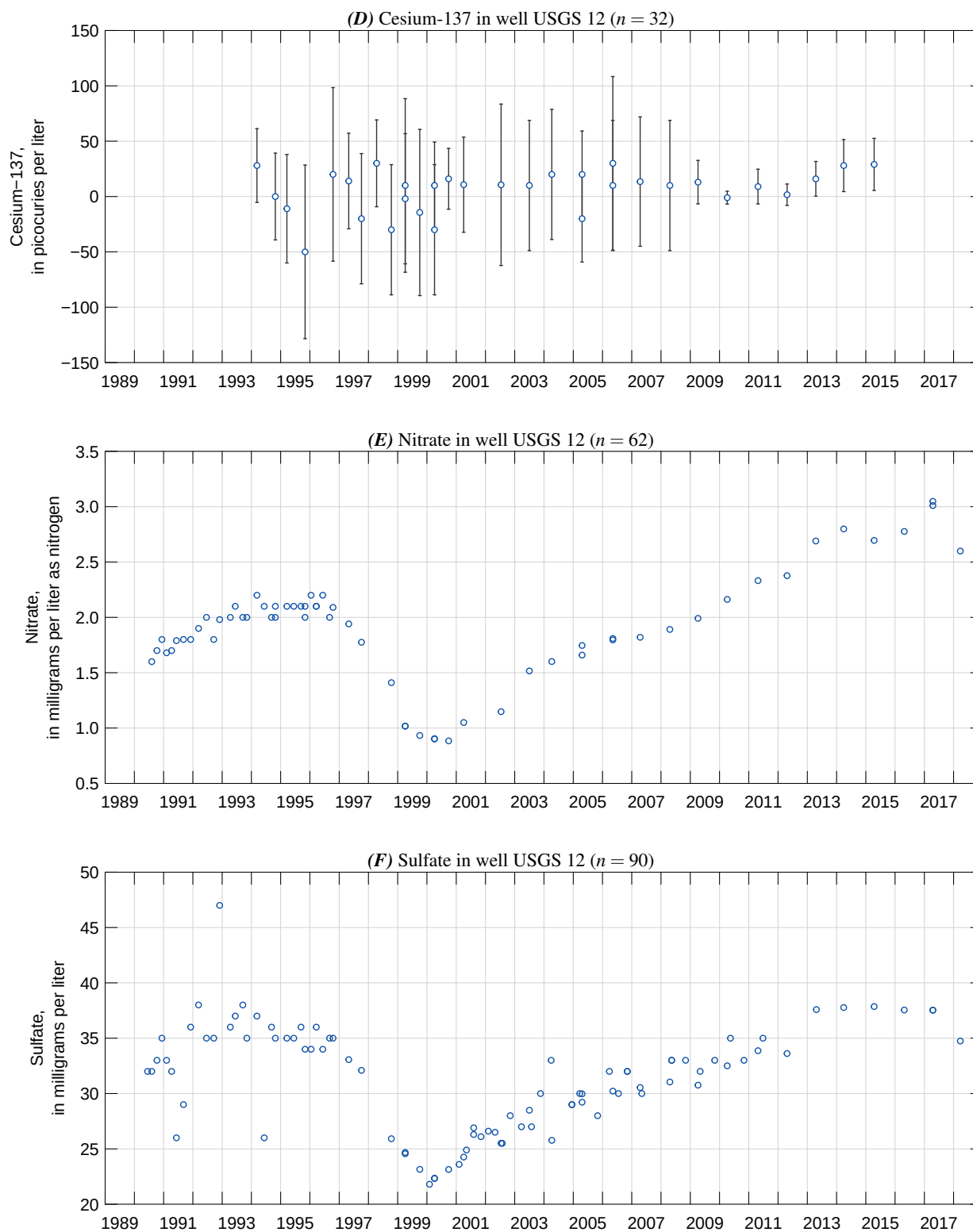


Figure 4.75. —Continued

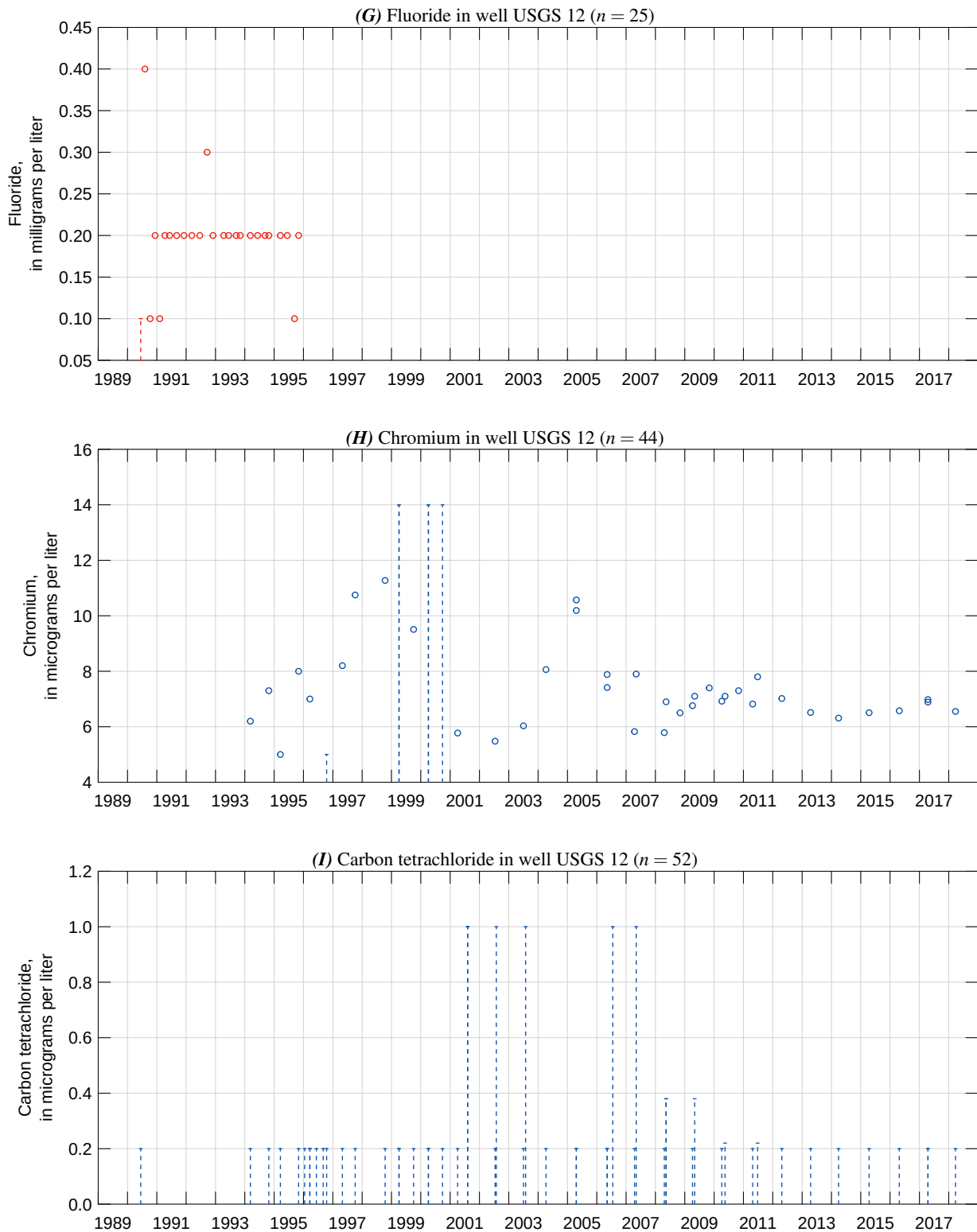


Figure 4.75. —Continued

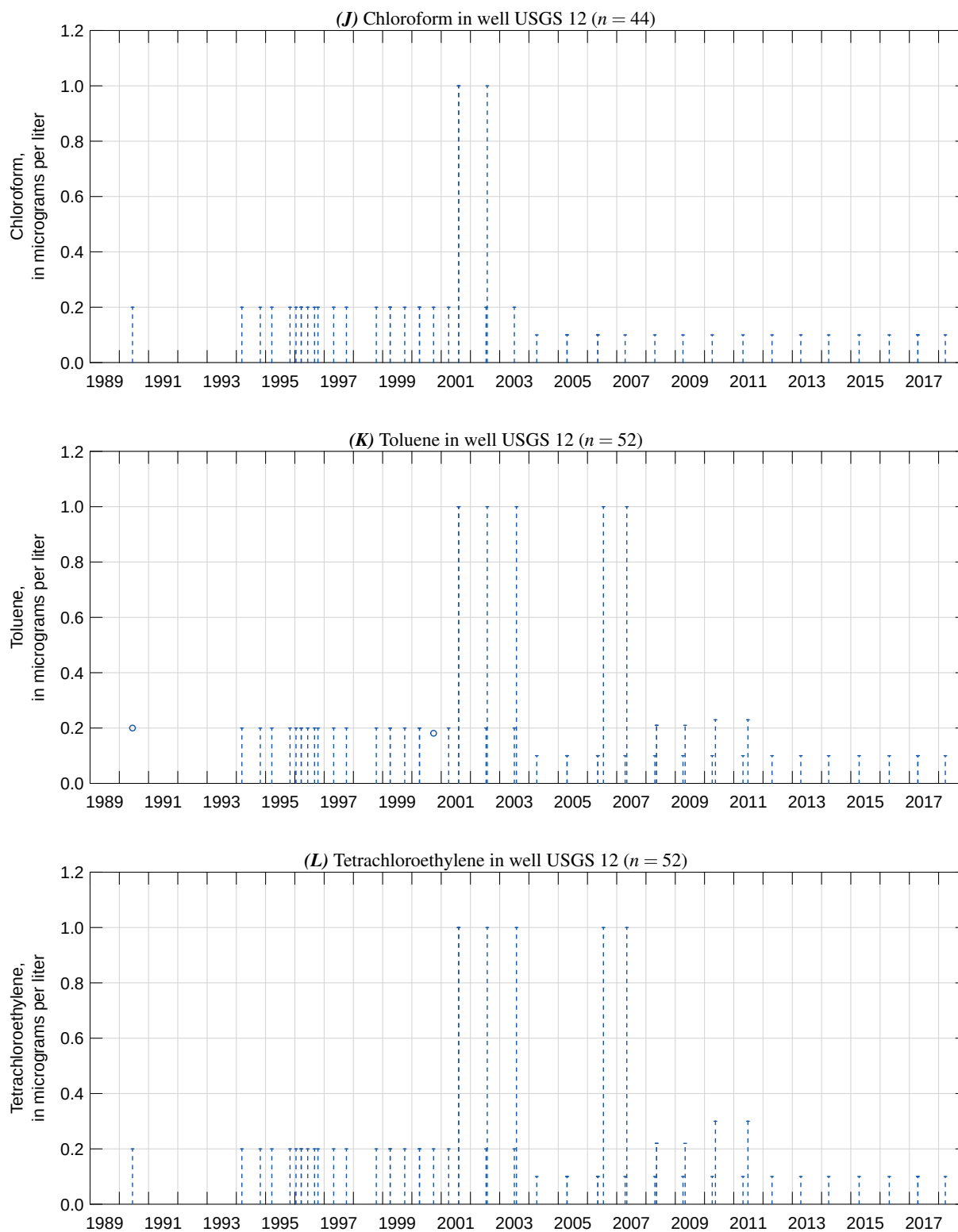


Figure 4.75. —Continued

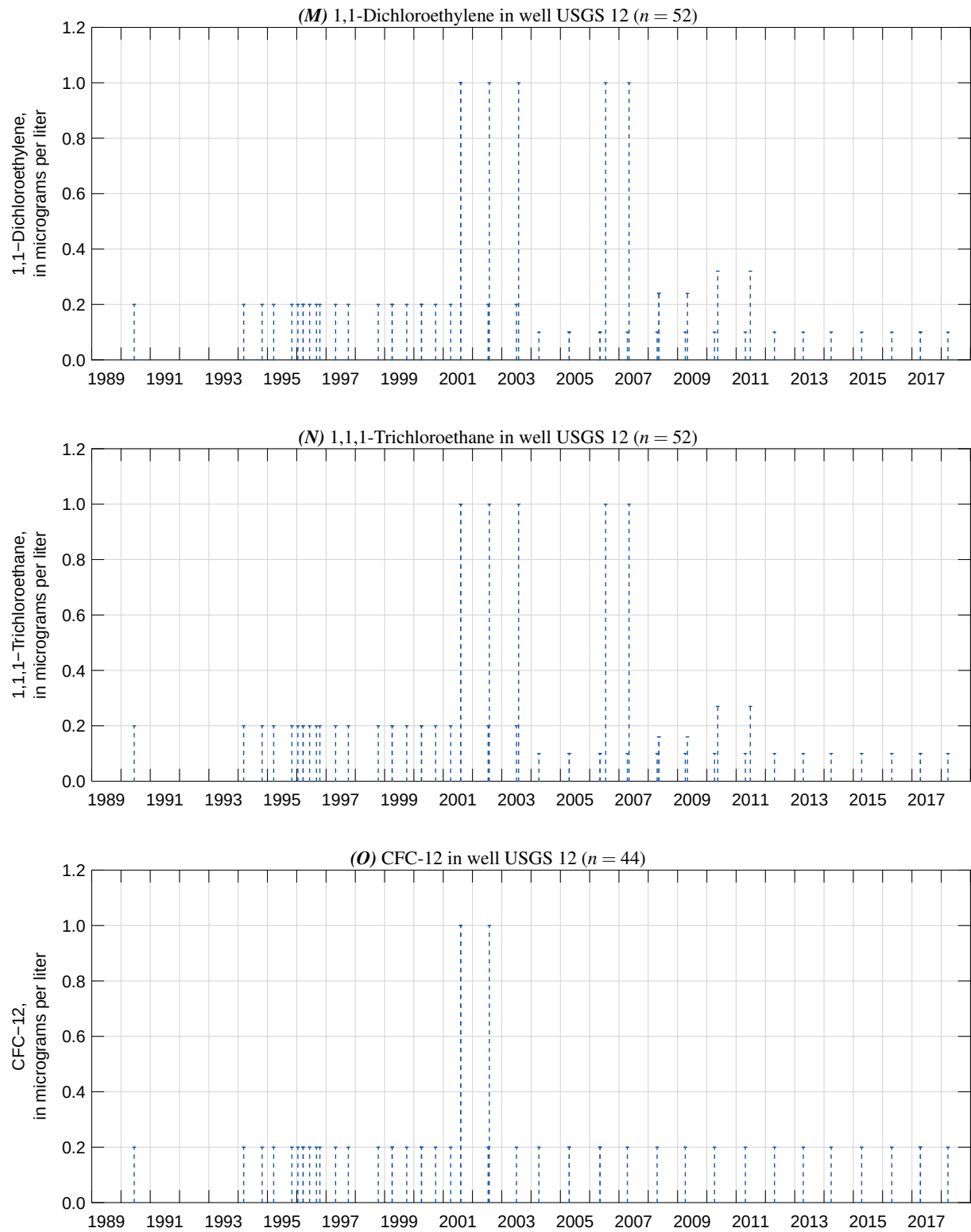


Figure 4.75. —Continued

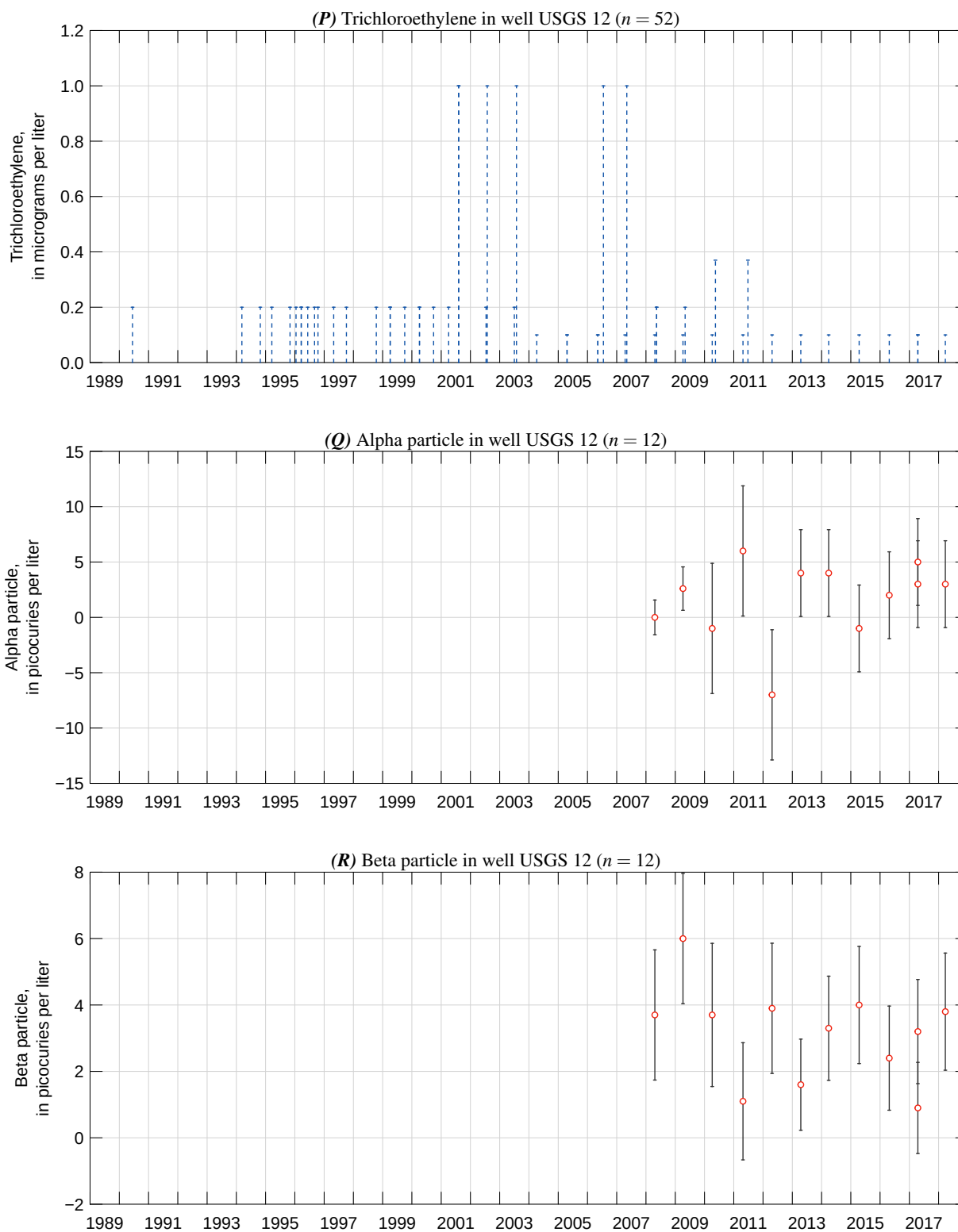


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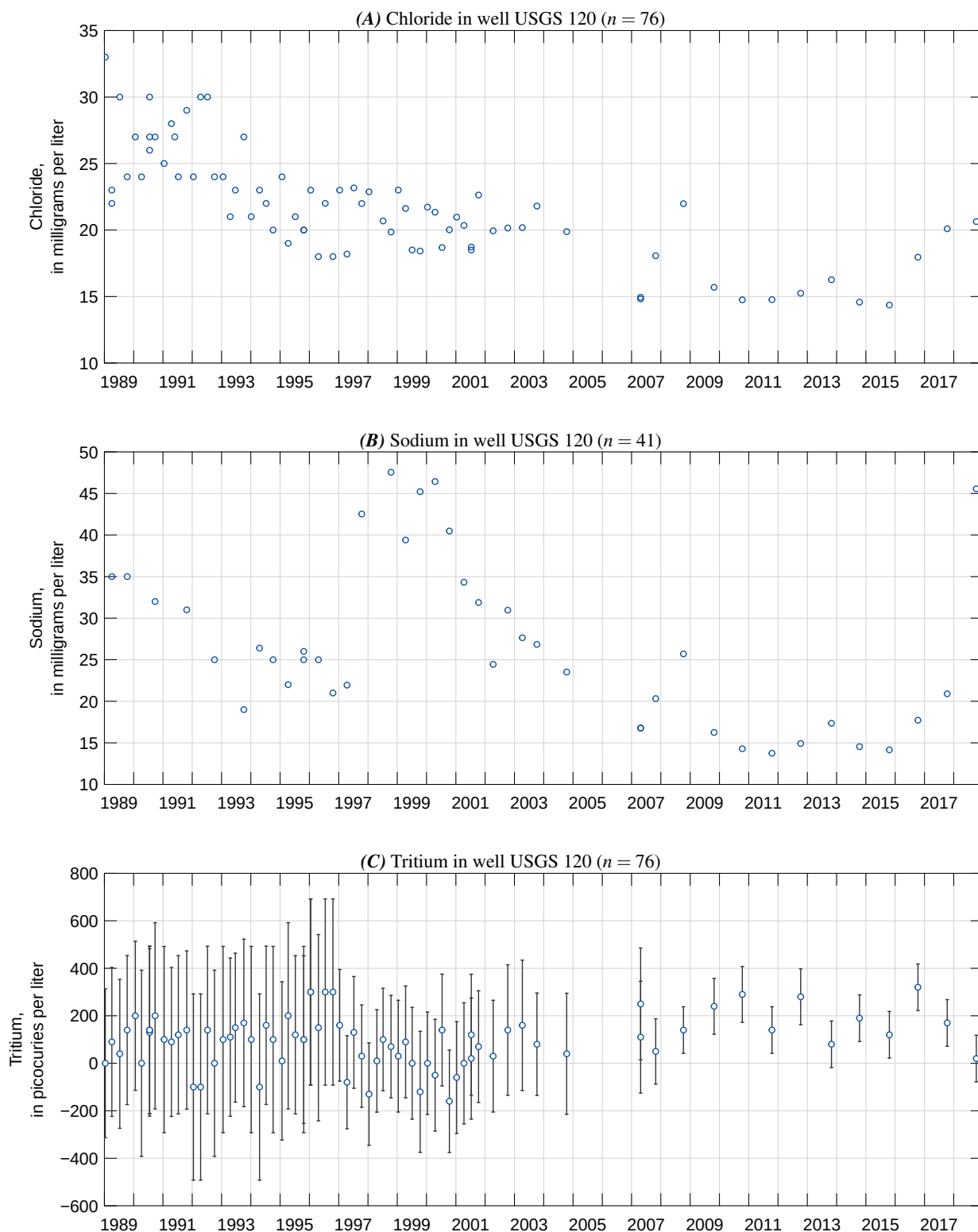


Figure 4.76. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, (R) plutonium-238, (S) alpha particle, and (T) beta particle concentrations in water collected from well USGS 120 (Site No. 432919113031501), Idaho National Laboratory, Idaho, 1989–2018.

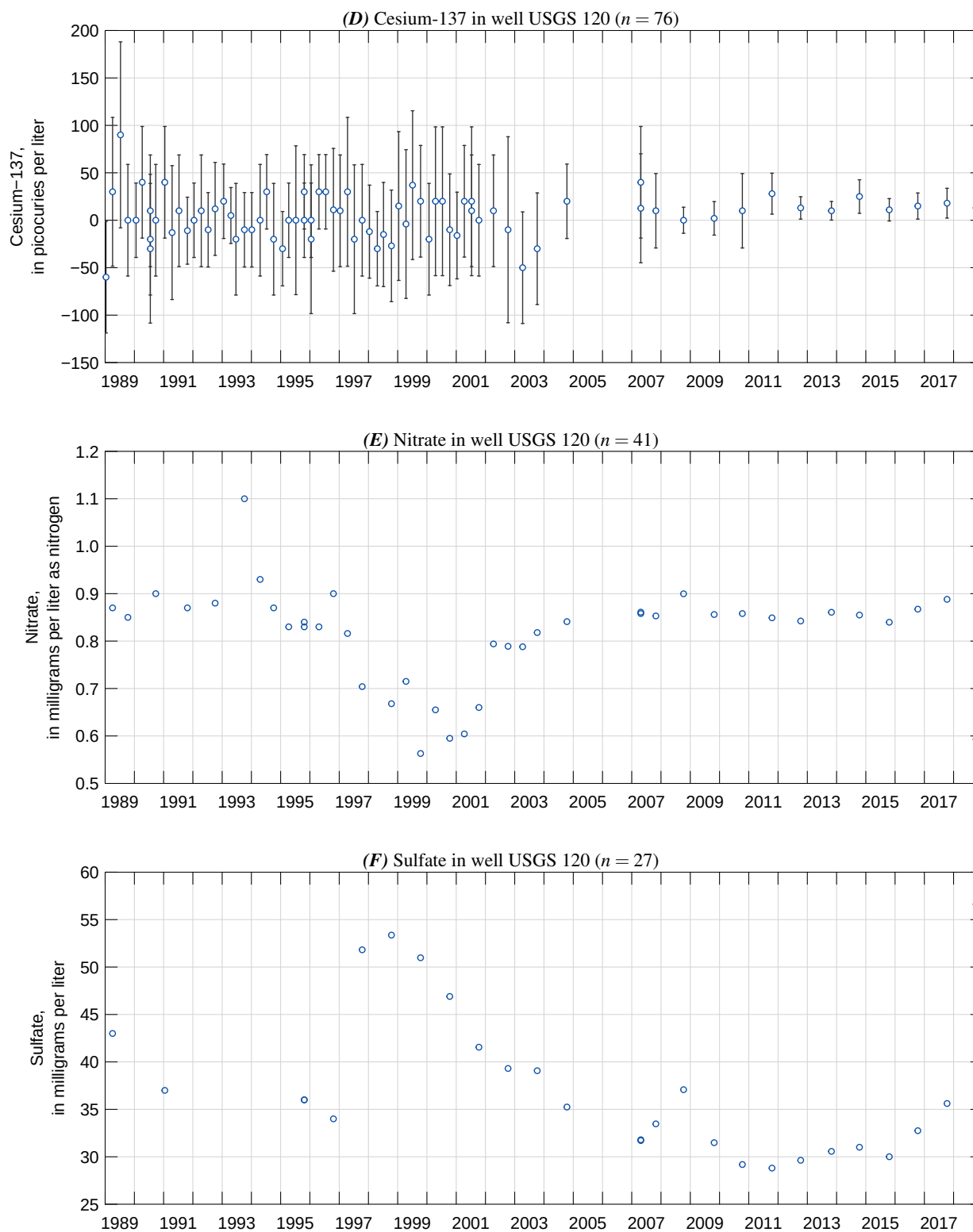


Figure 4.76. —Continued

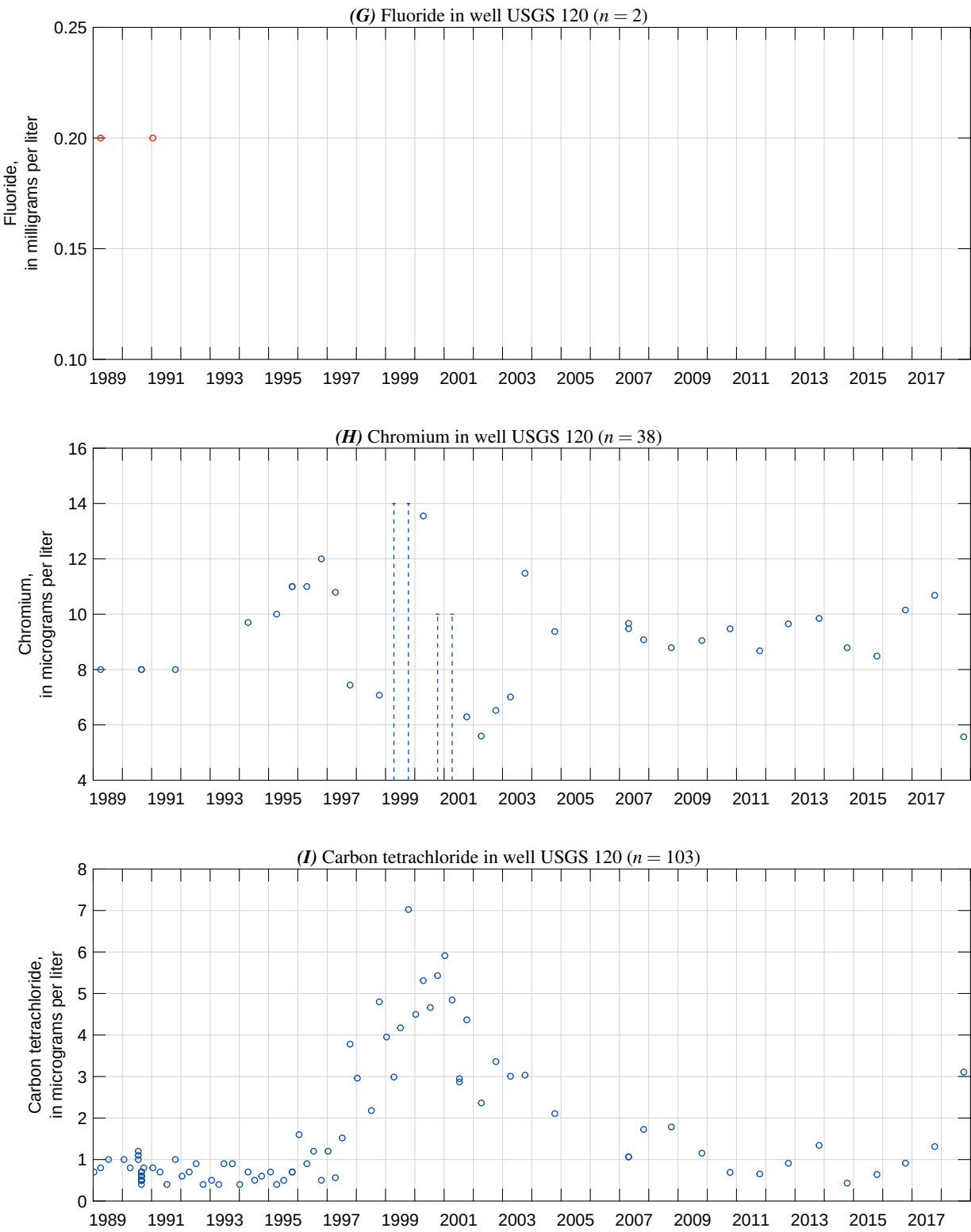
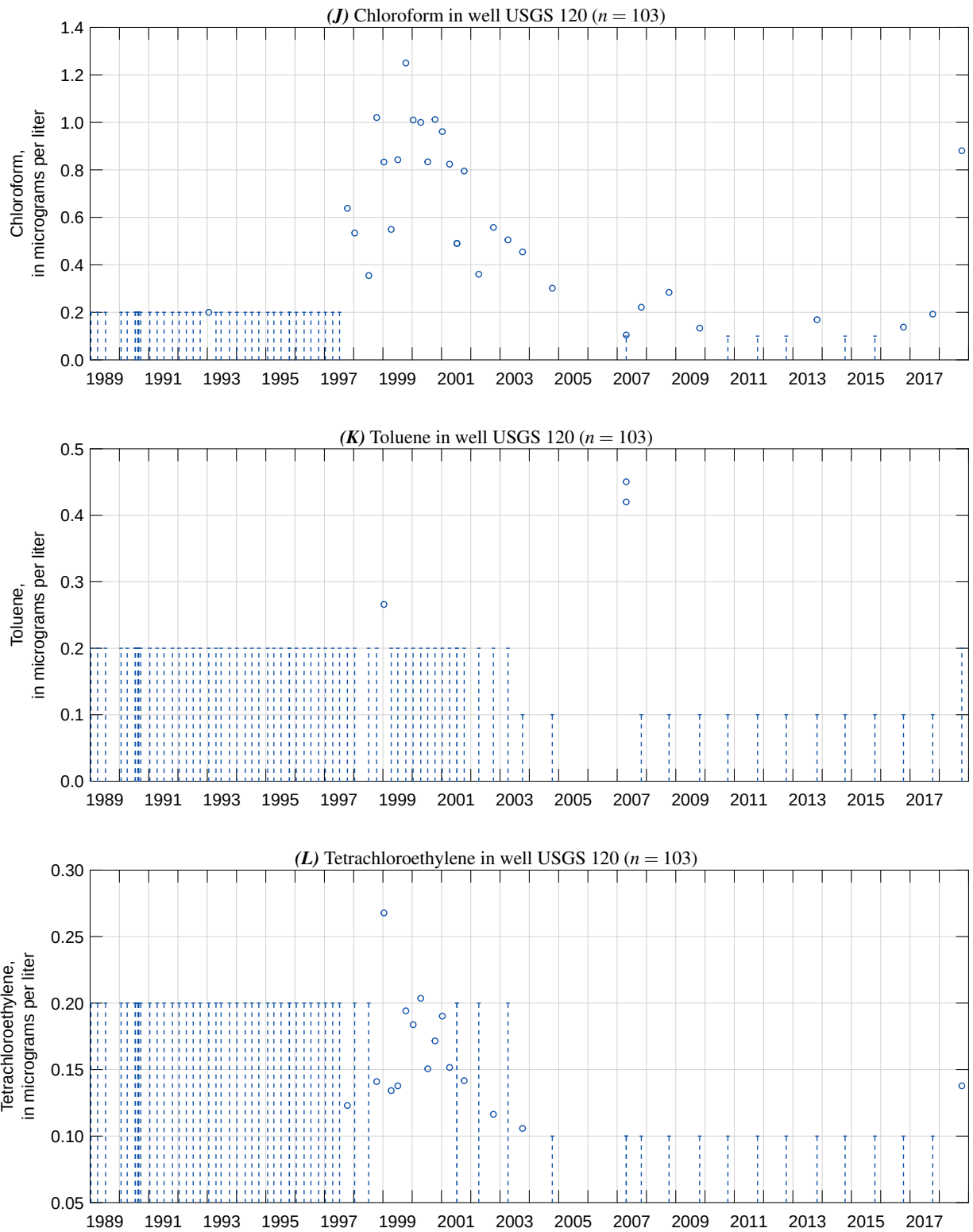


Figure 4.76. —Continued



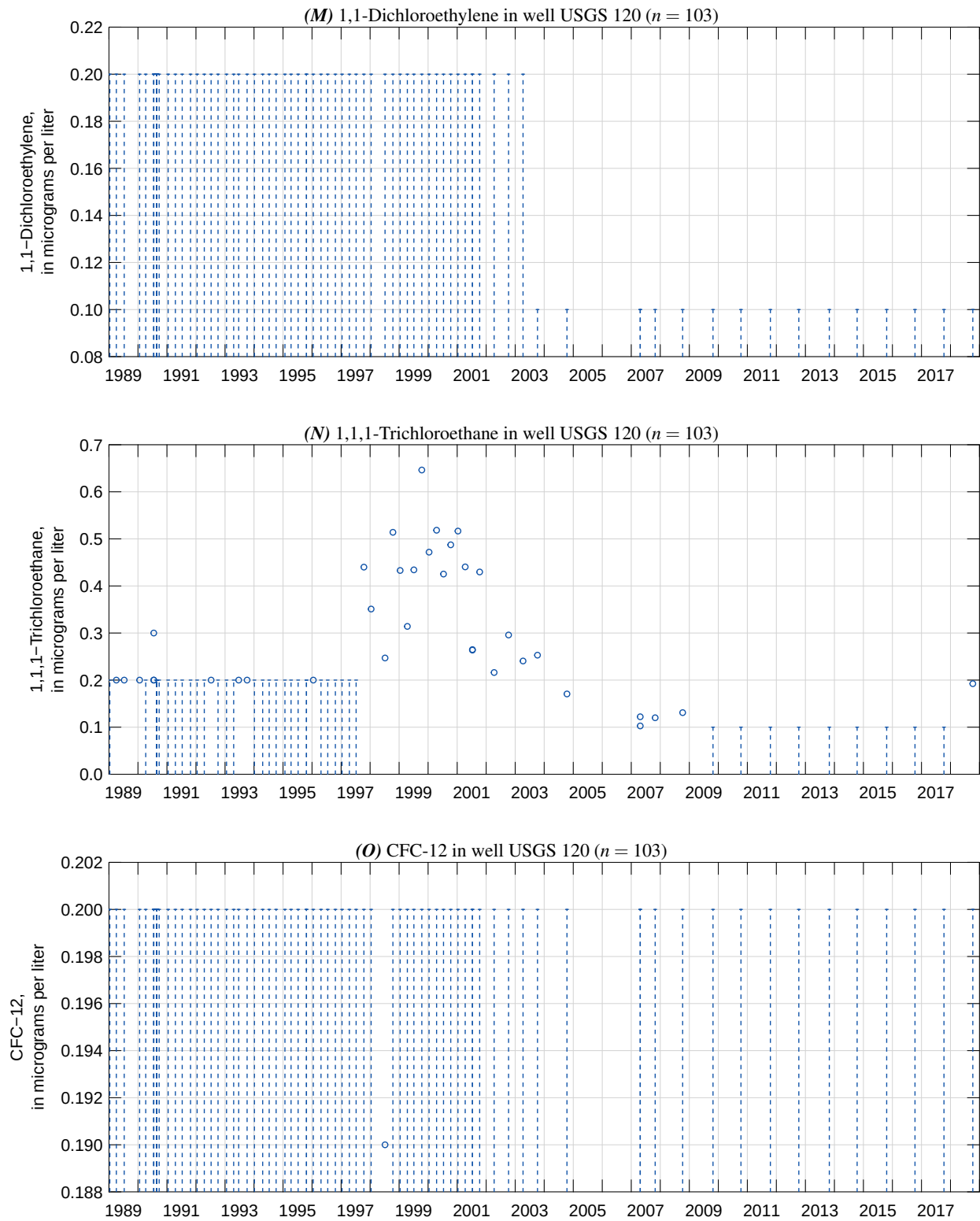


Figure 4.76. —Continued

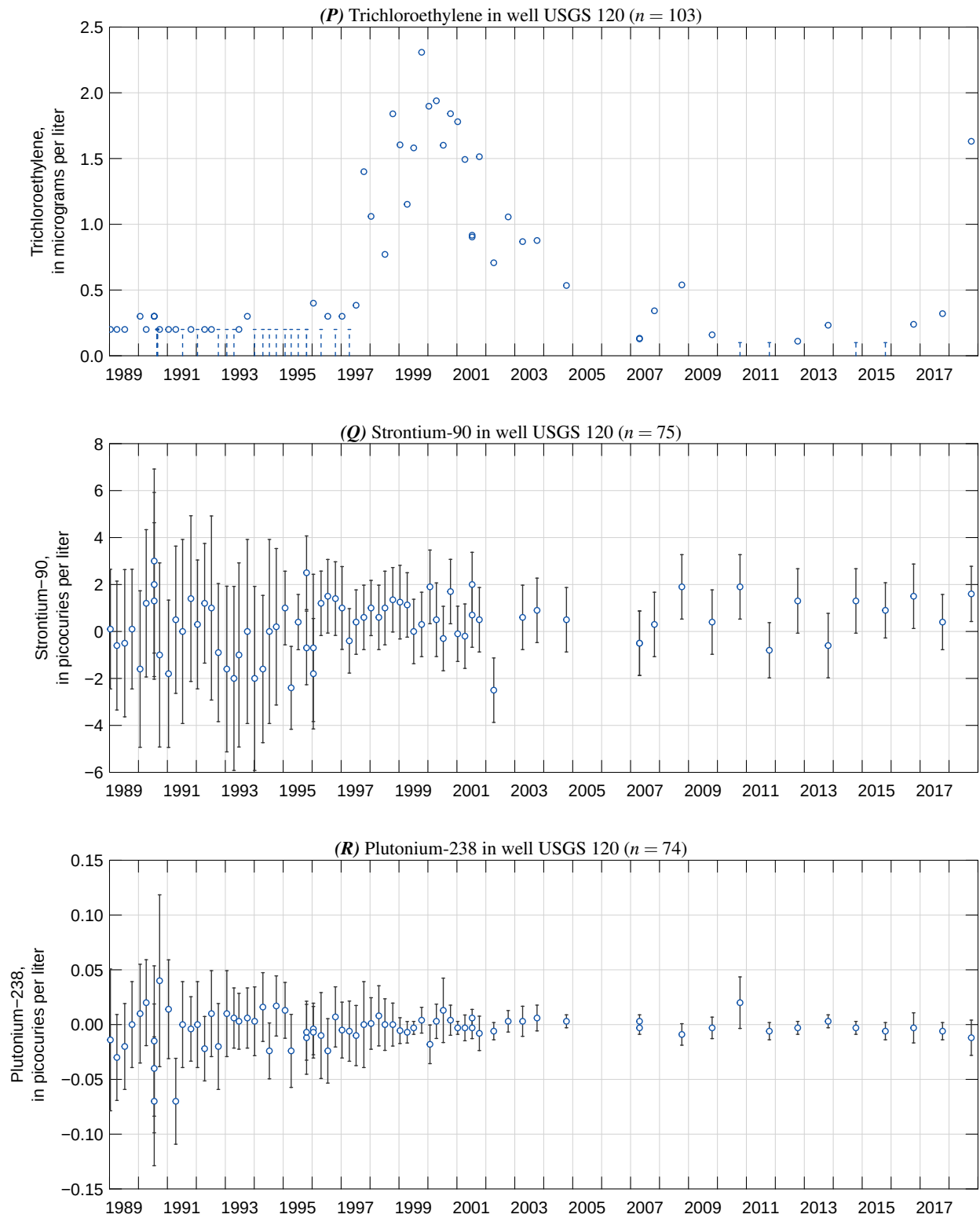


Figure 4.76. —Continued

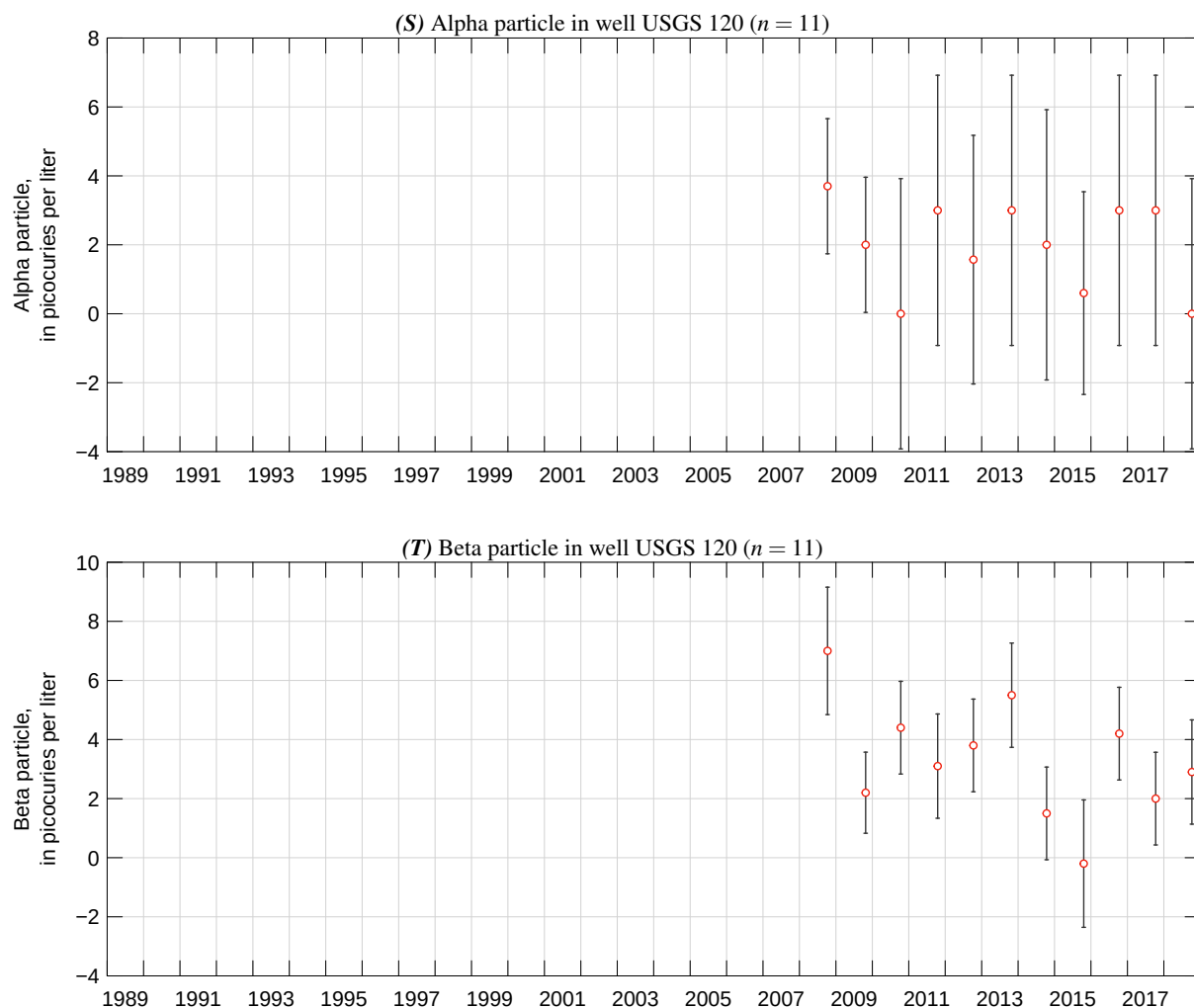


Figure 4.76. —Continued

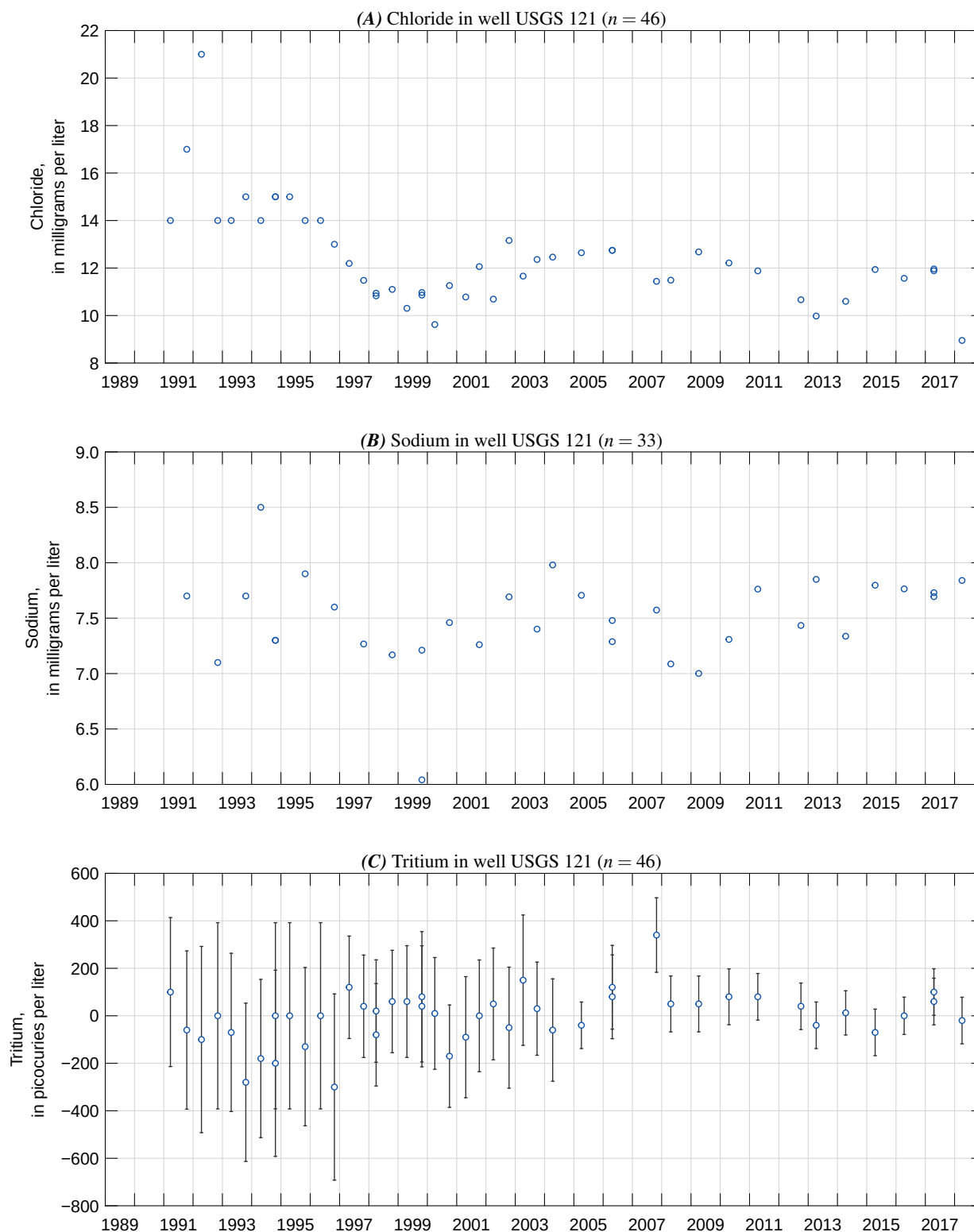


Figure 4.77. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, and (R) plutonium-238 concentrations in water collected from well USGS 121 (Site No. 433450112560301), Idaho National Laboratory, Idaho, 1989–2018.

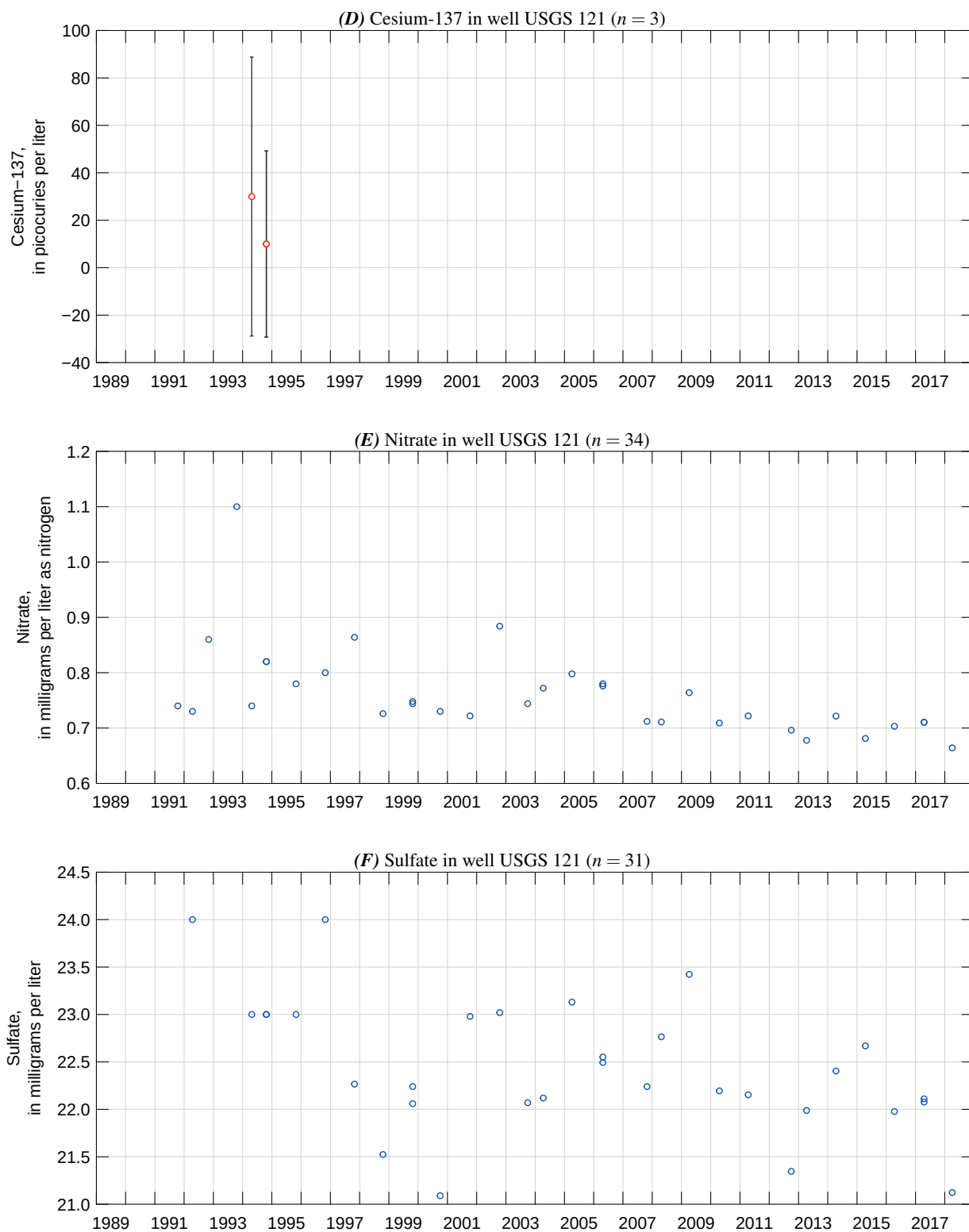


Figure 4.77. —Continued

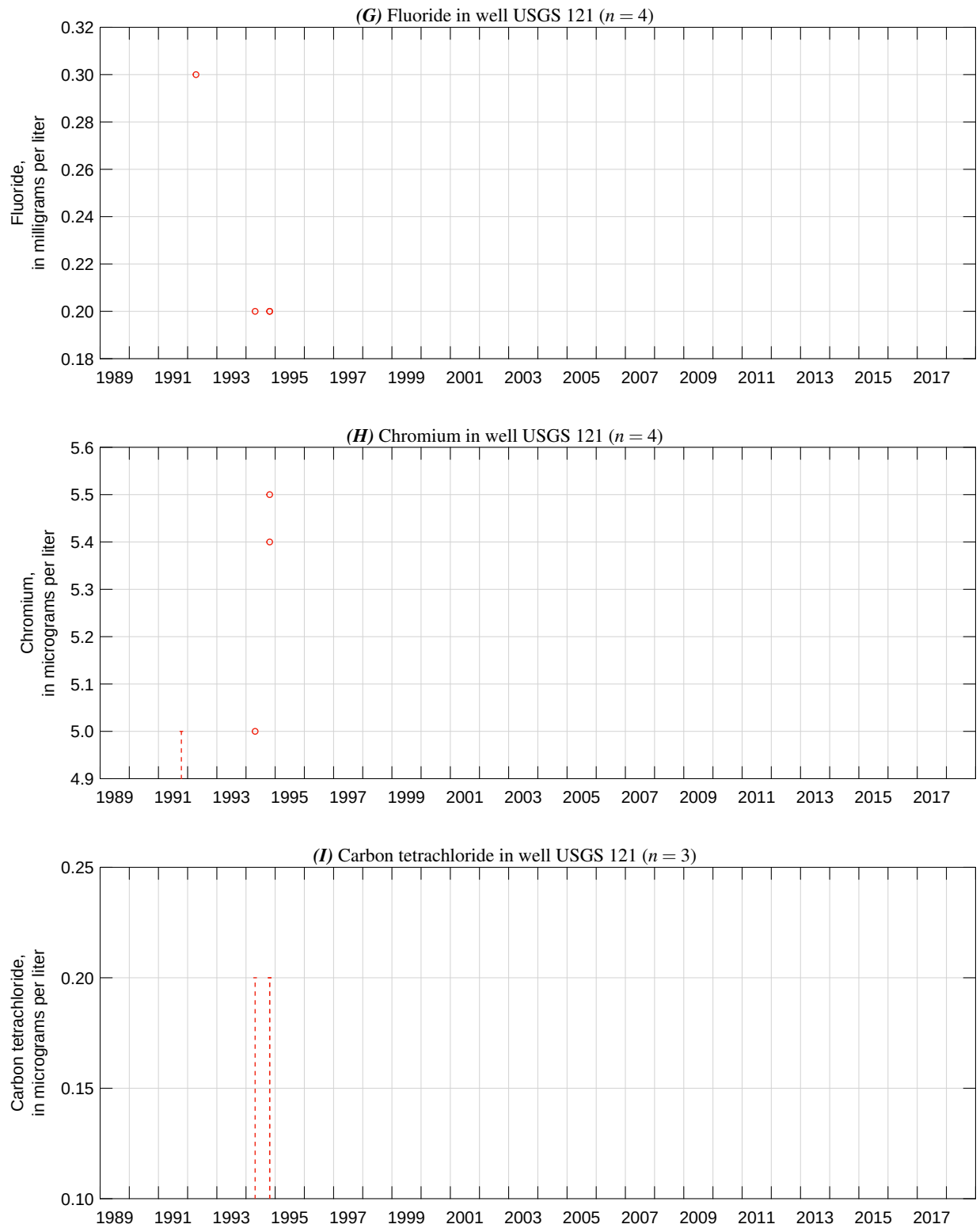


Figure 4.77. —Continued

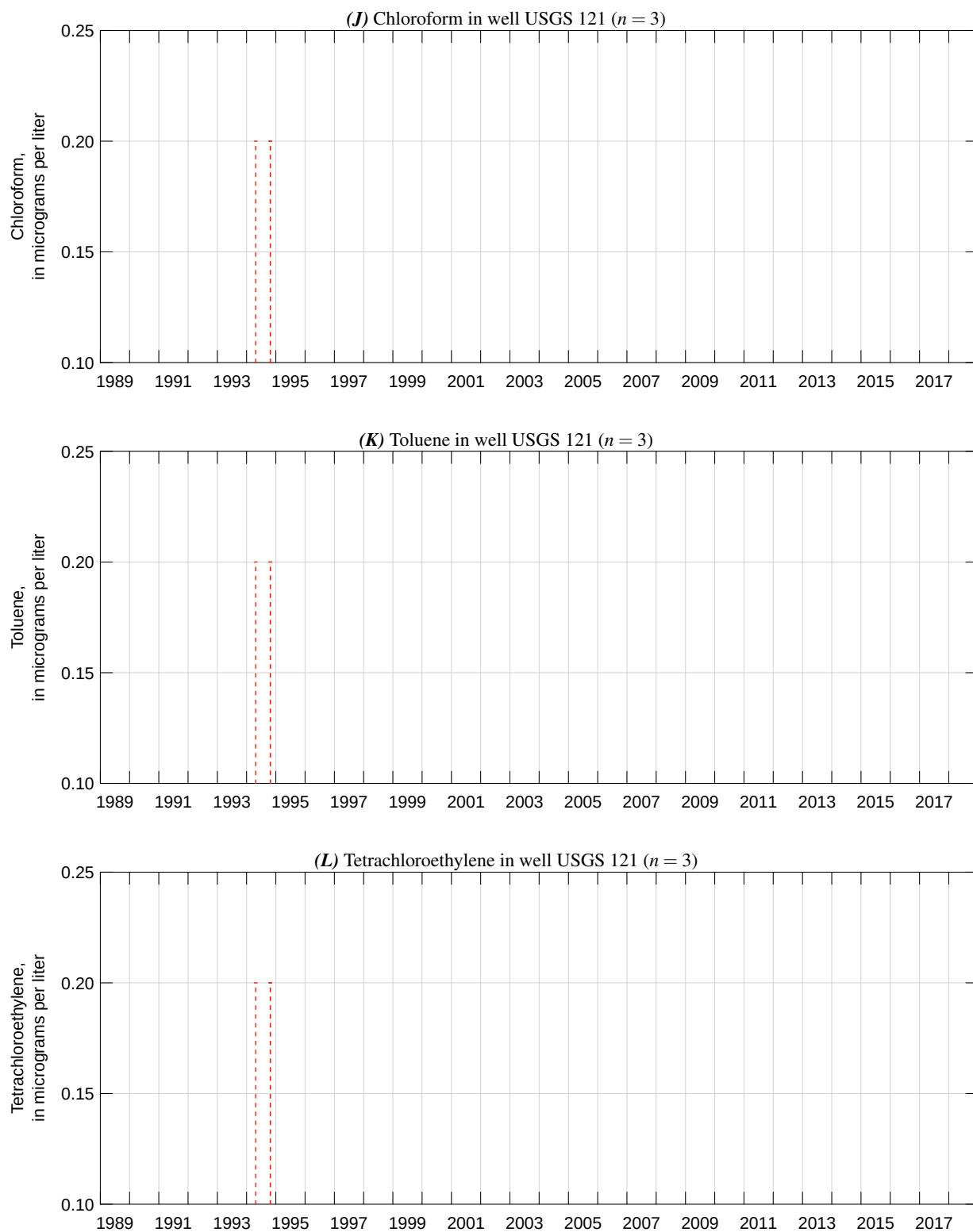


Figure 4.77. —Continued

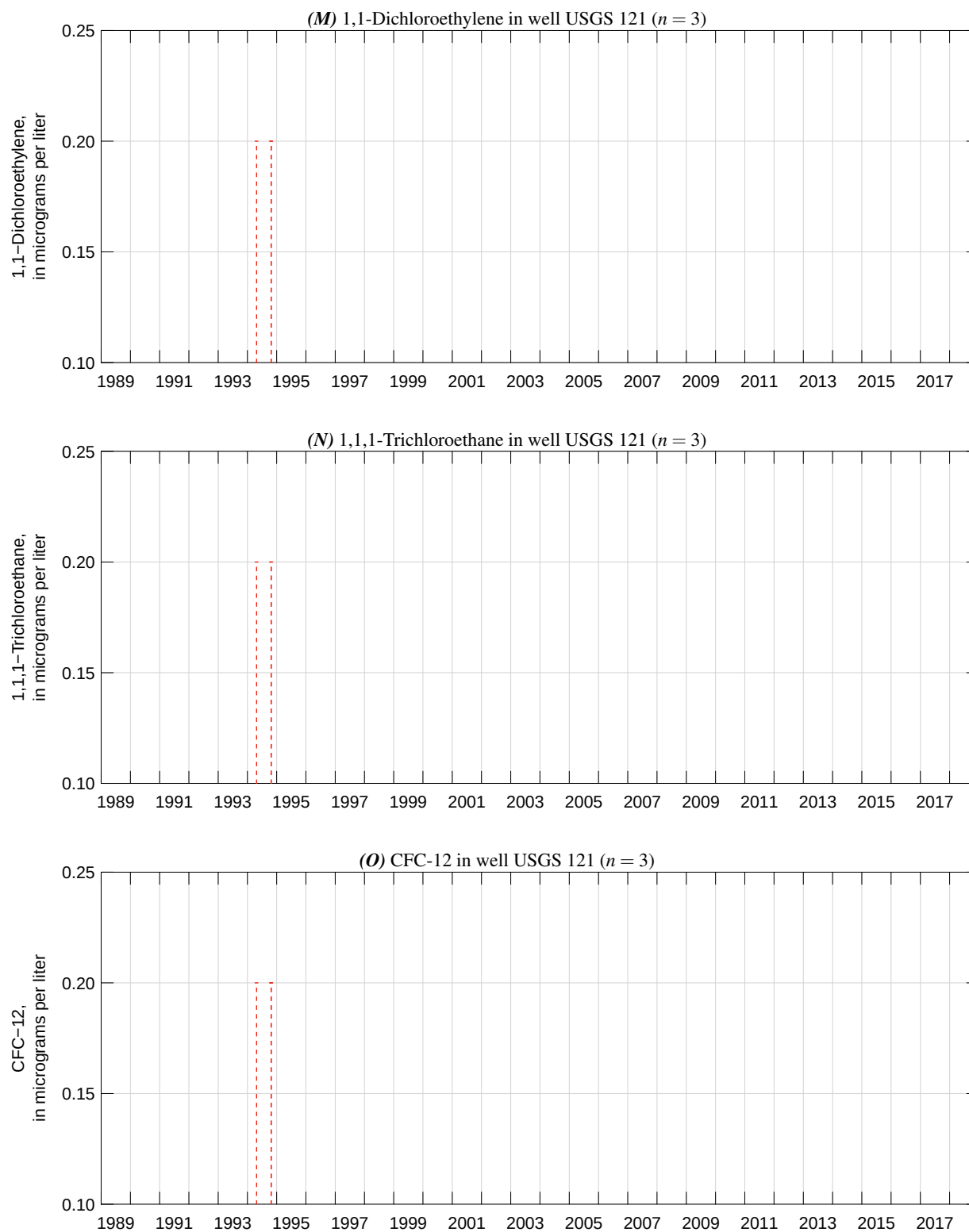
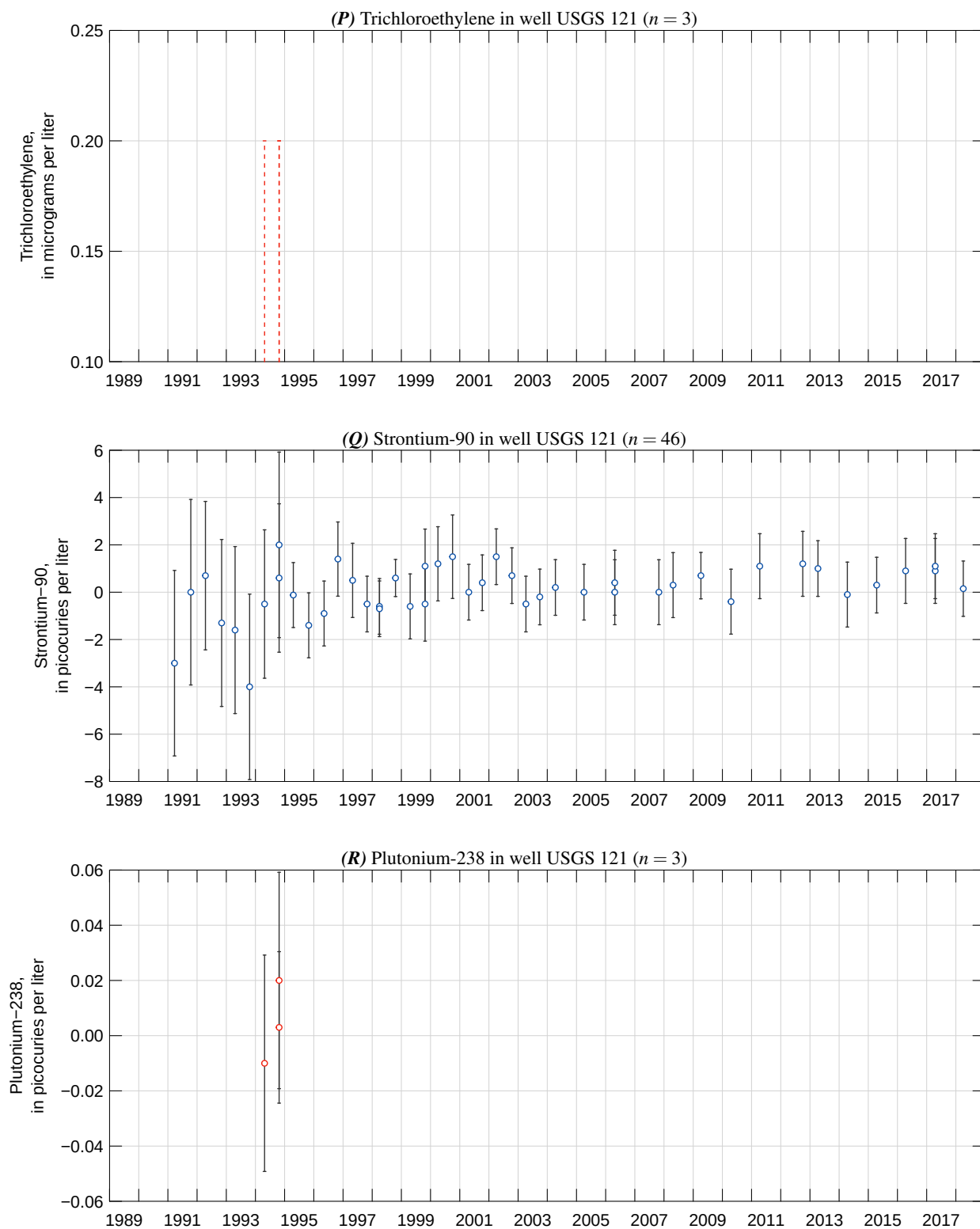


Figure 4.77. —Continued



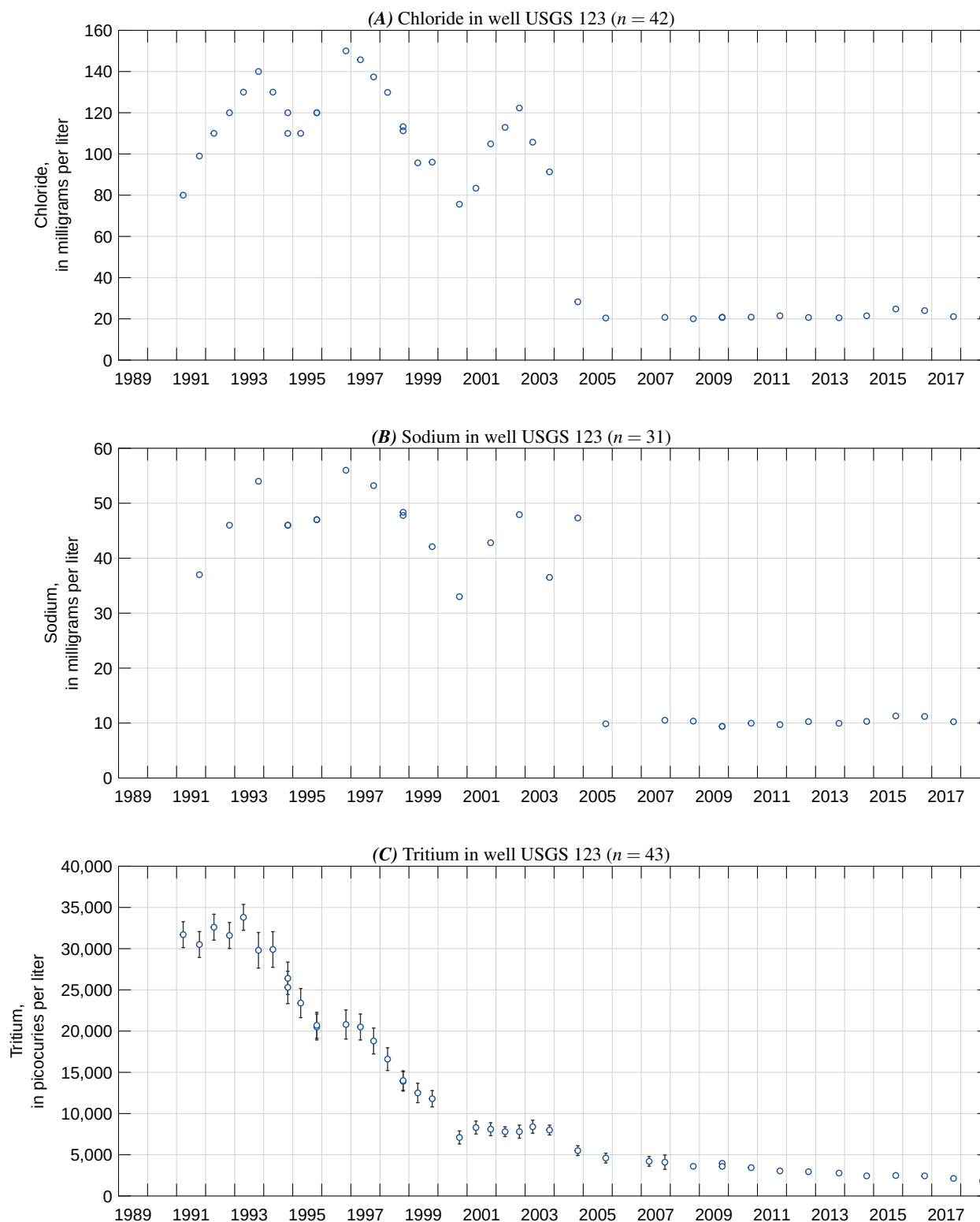


Figure 4.78. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) nitrate, (E) sulfate, (F) chromium, (G) carbon tetrachloride, (H) chloroform, (I) toluene, (J) tetrachloroethylene, (K) 1,1-dichloroethylene, (L) 1,1,1-trichloroethane, (M) trichloroethylene, and (N) strontium-90 concentrations in water collected from well USGS 123 (Site No. 433352112561401), Idaho National Laboratory, Idaho, 1989–2018.

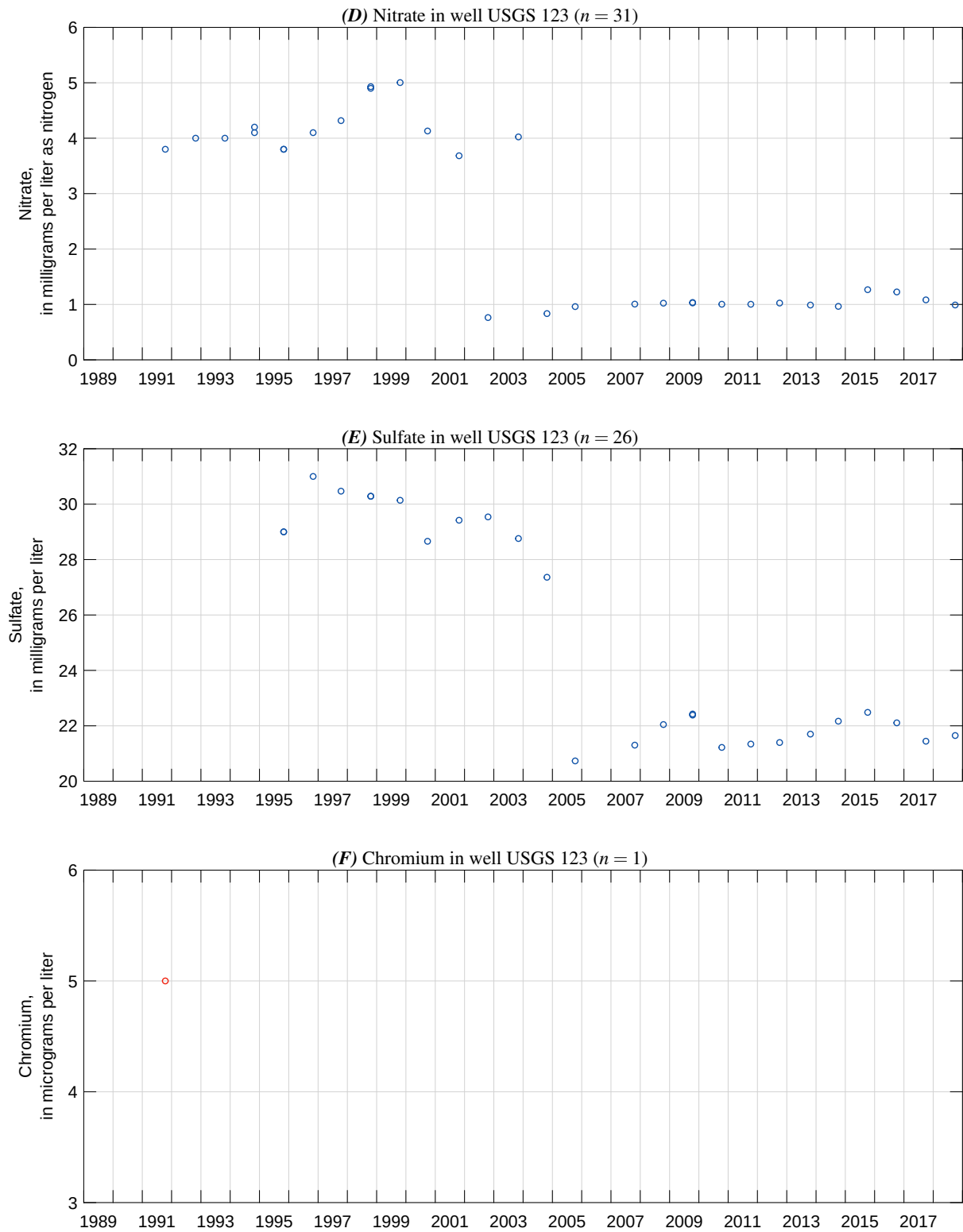


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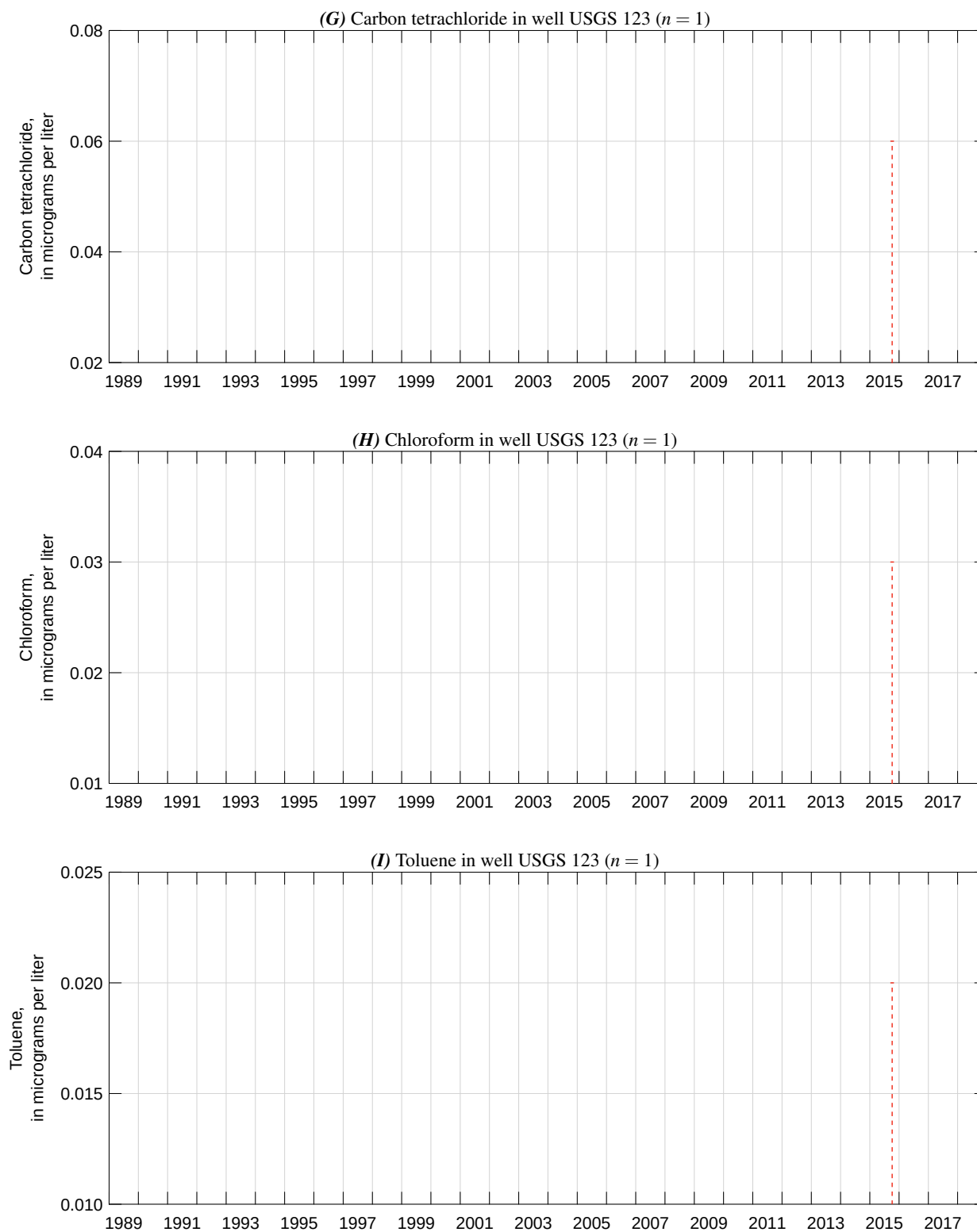


Figure 4.78. —Continued

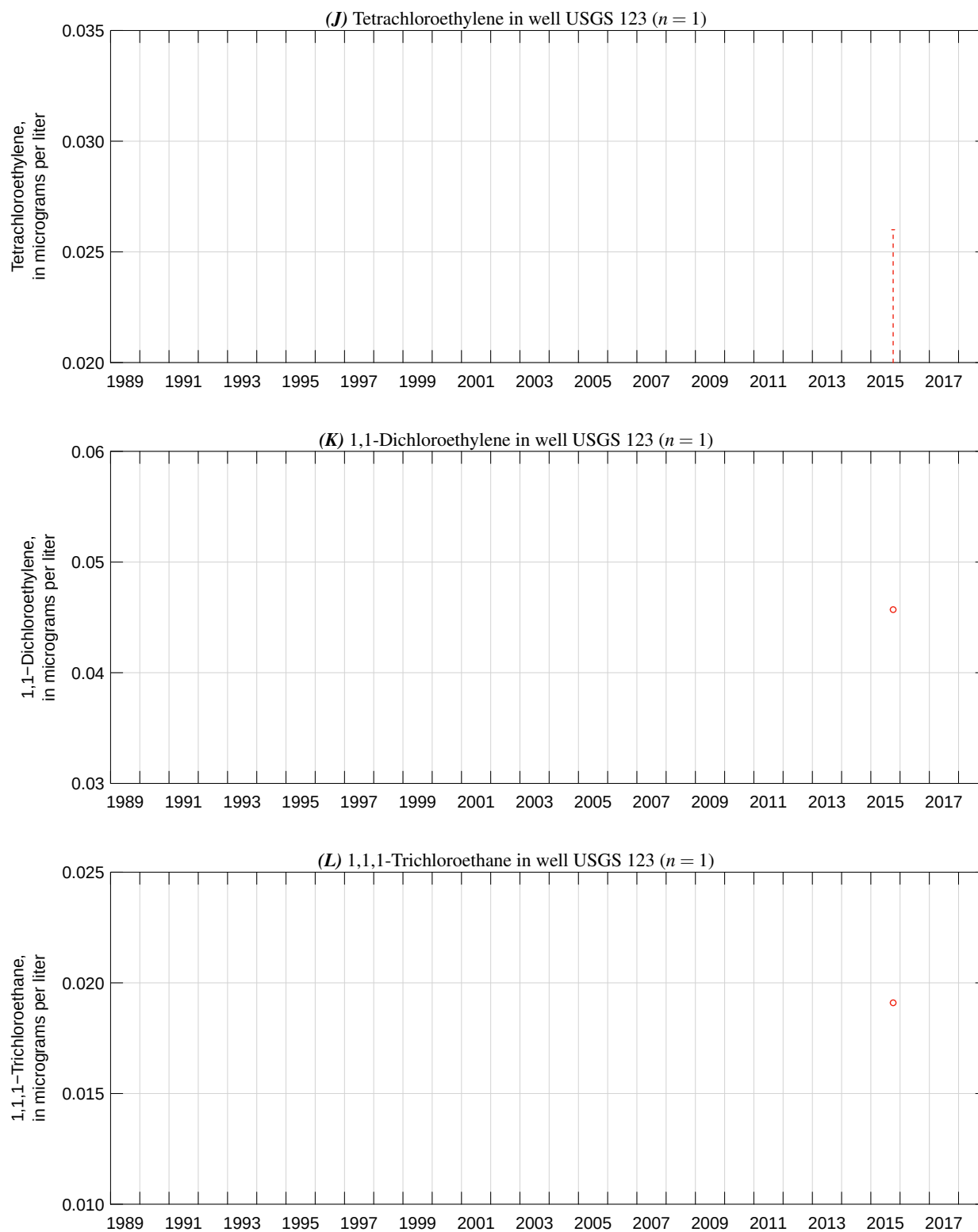


Figure 4.78. —Continued

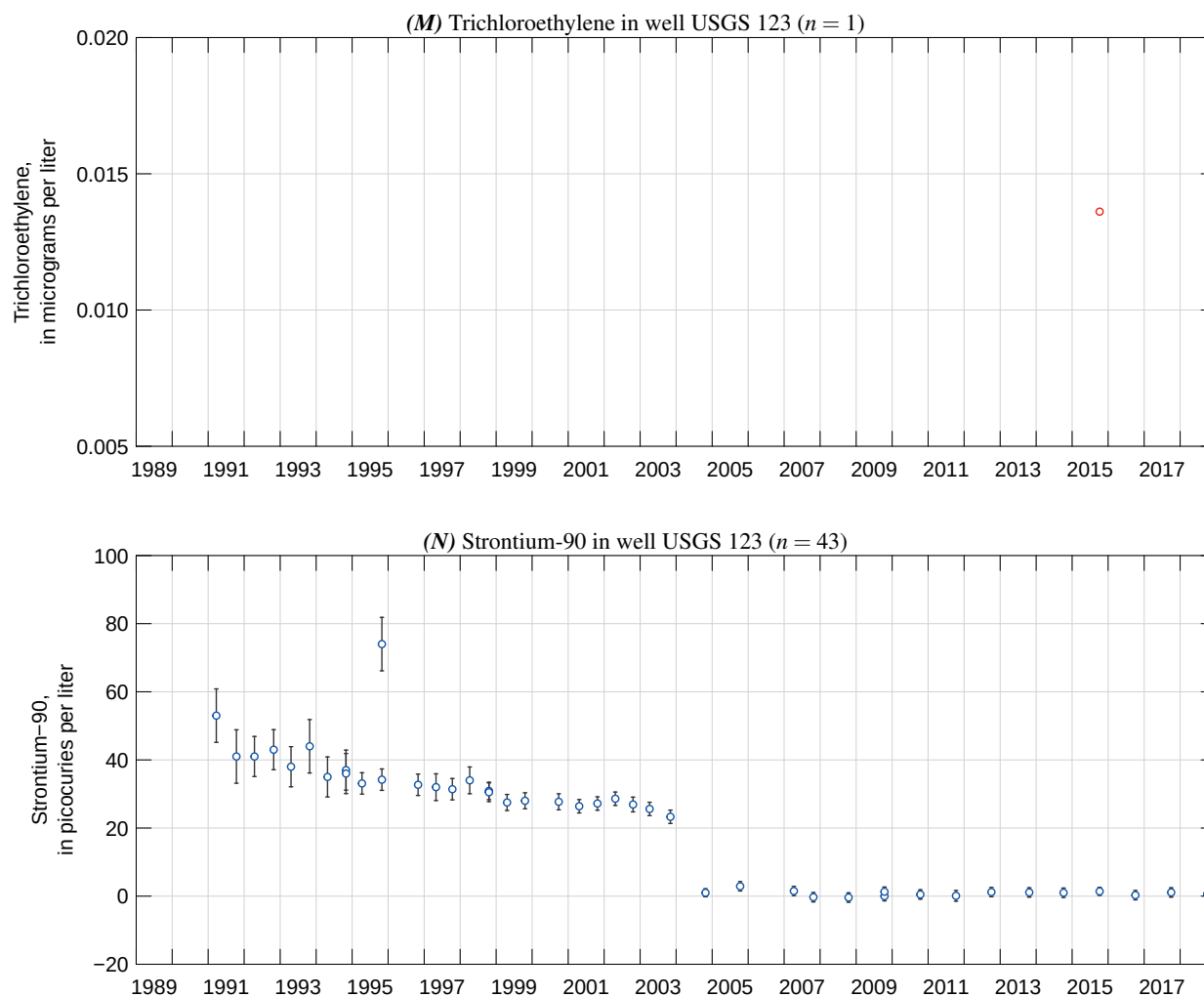


Figure 4.78. —Continued

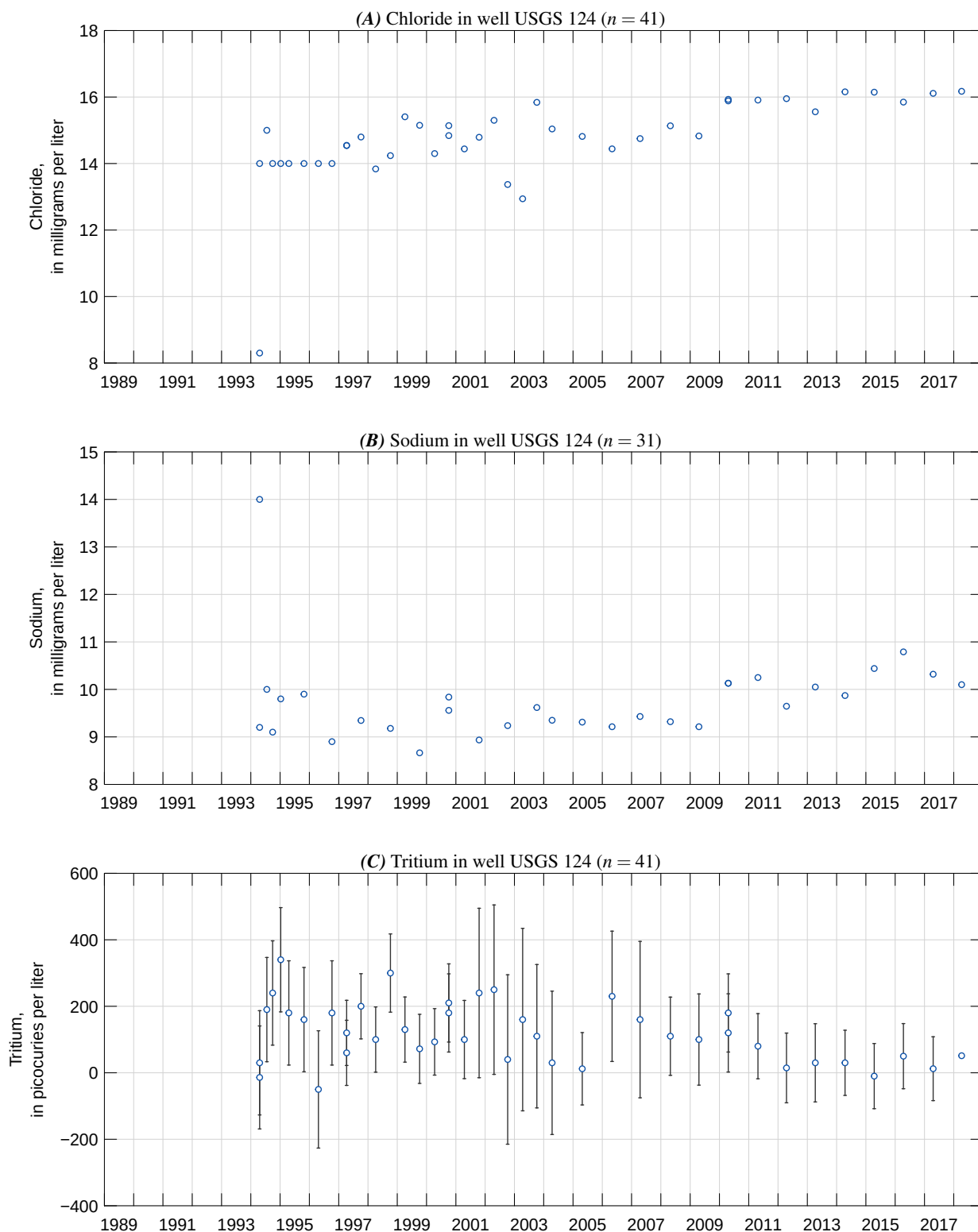


Figure 4.79. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) chromium, (G) carbon tetrachloride, (H) chloroform, (I) toluene, (J) tetrachloroethylene, (K) 1,1-dichloroethylene, (L) 1,1,1-trichloroethane, (M) cfc-12, (N) trichloroethylene, (O) strontium-90, and (P) plutonium-238 concentrations in water collected from well USGS 124 (Site No. 432307112583101), Idaho National Laboratory, Idaho, 1989–2018.

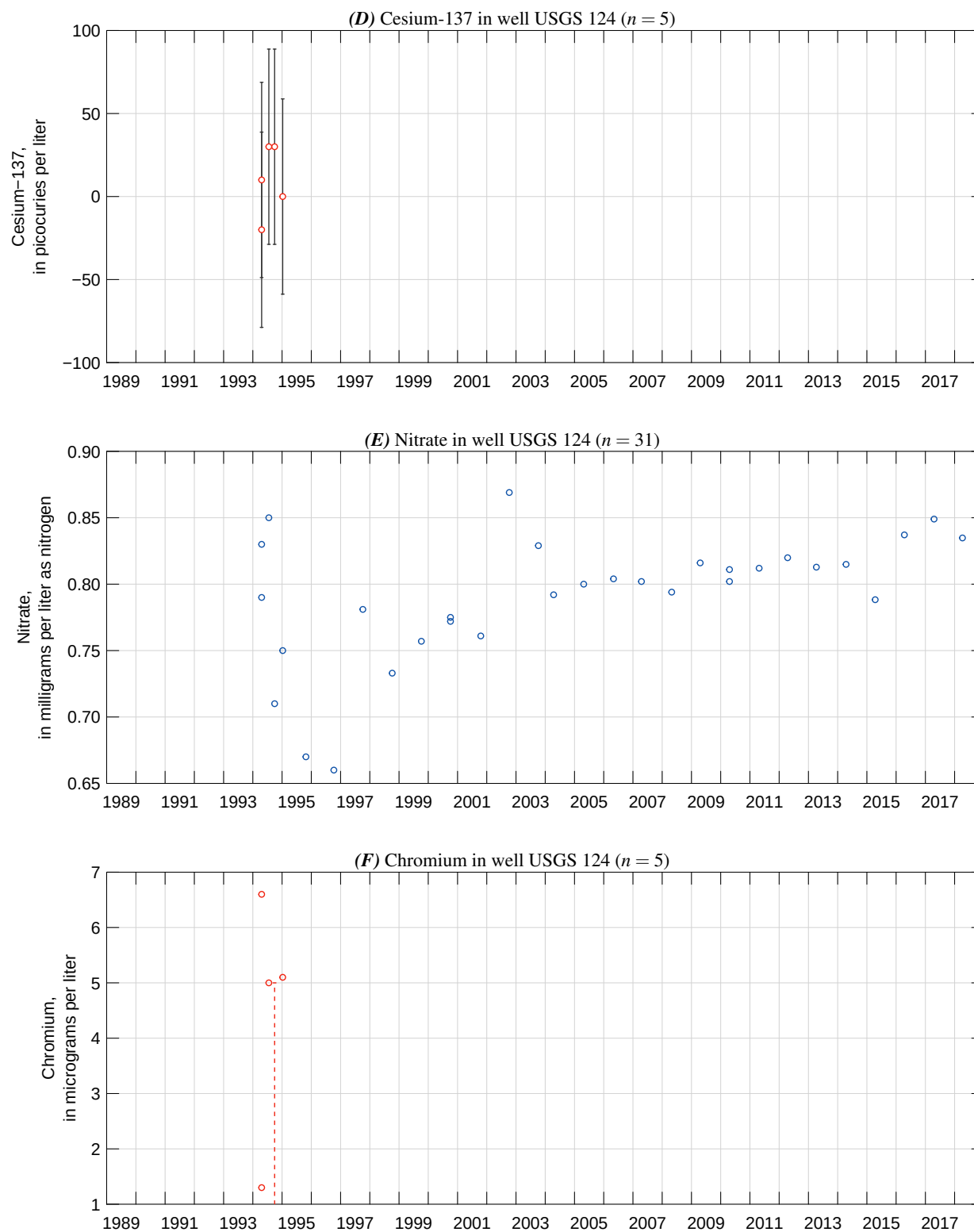
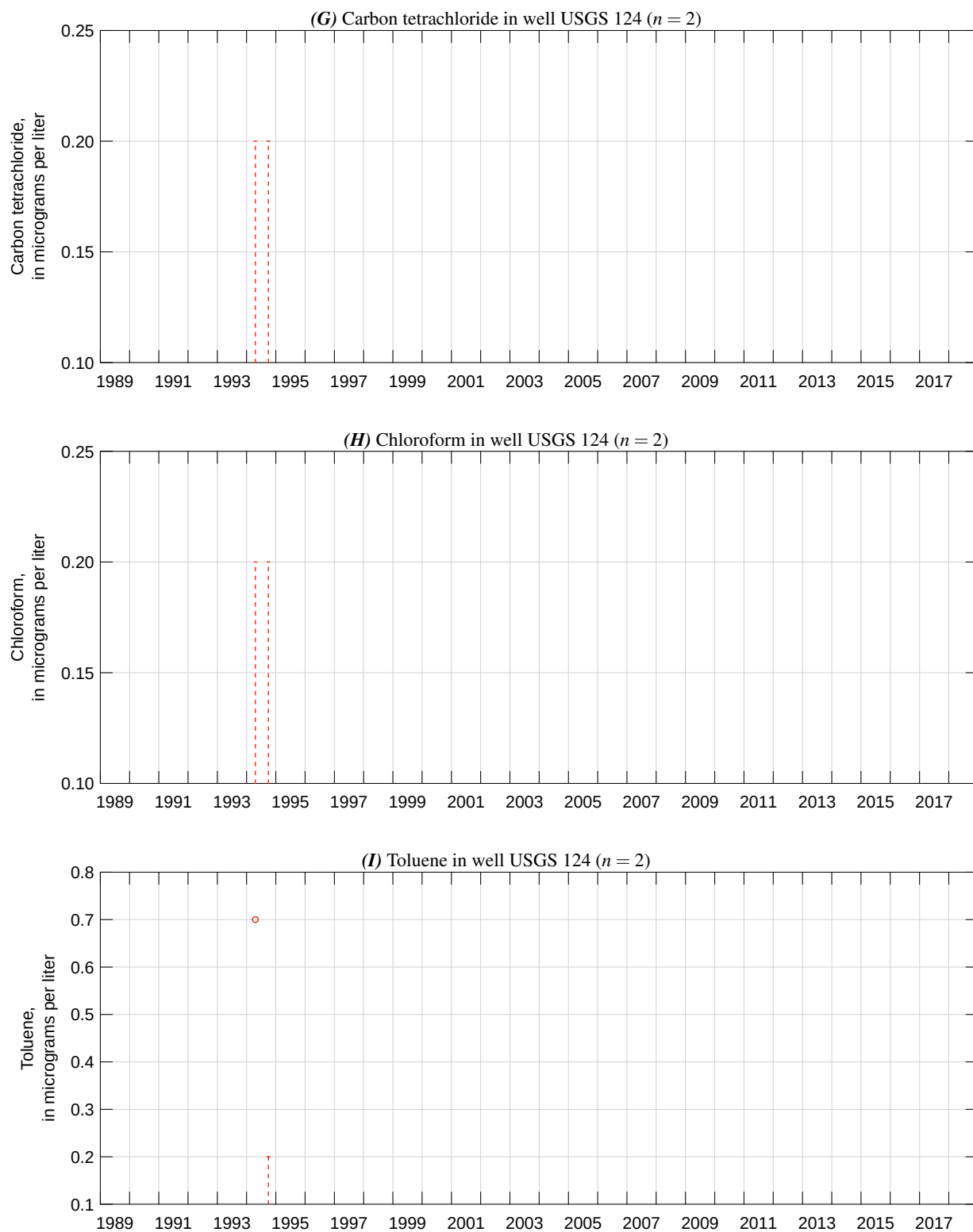


Figure 4.79. —Continued



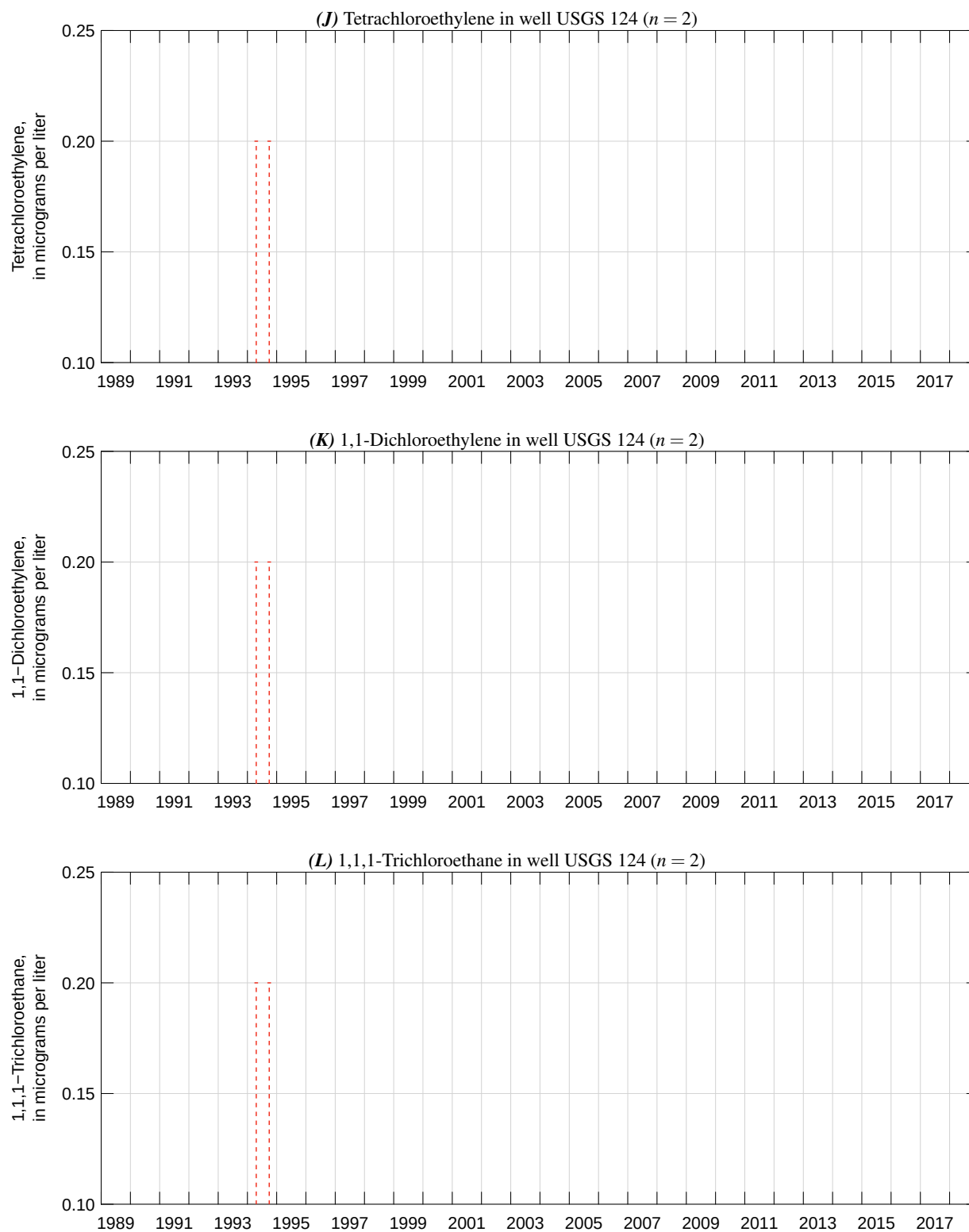


Figure 4.79. —Continued

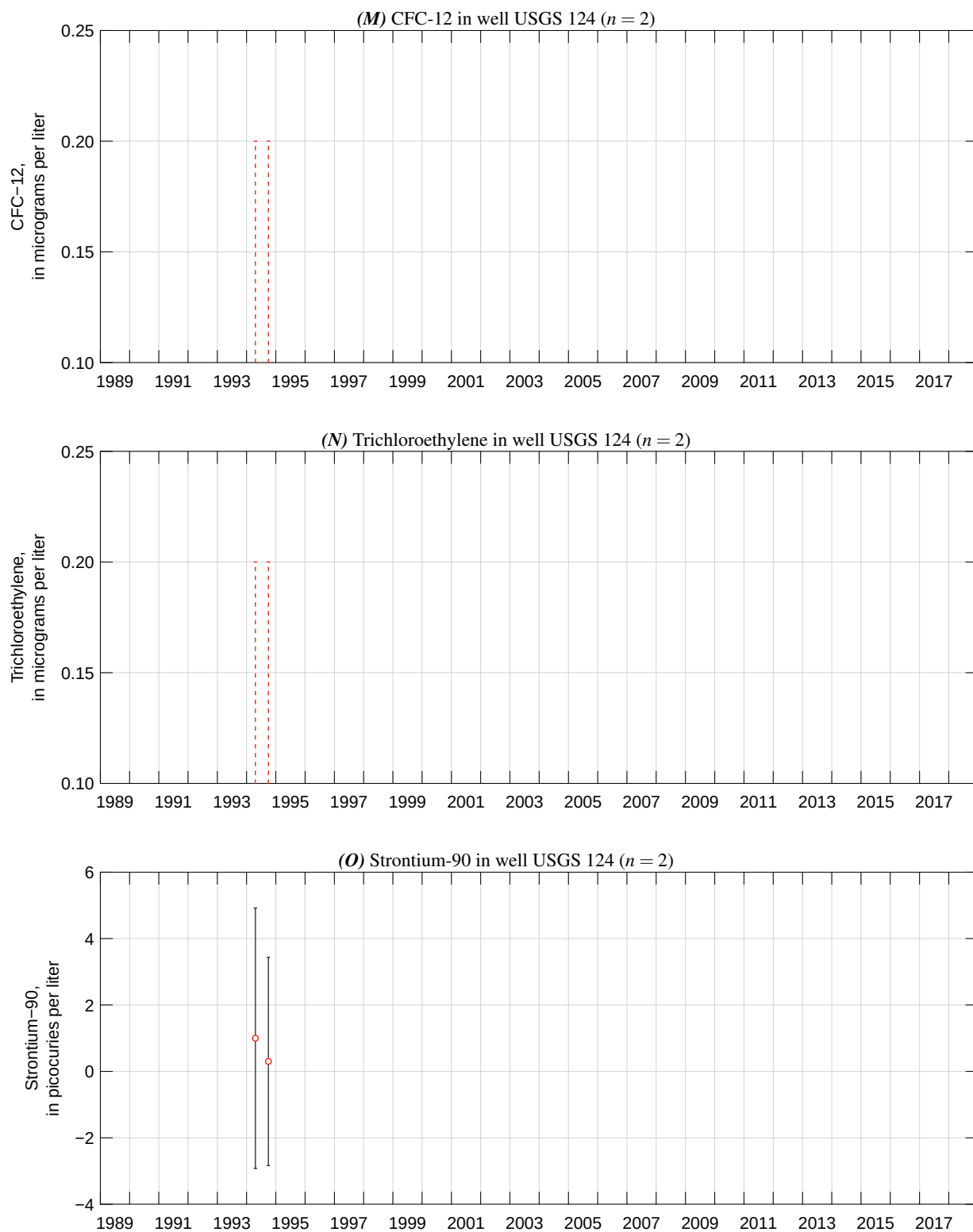
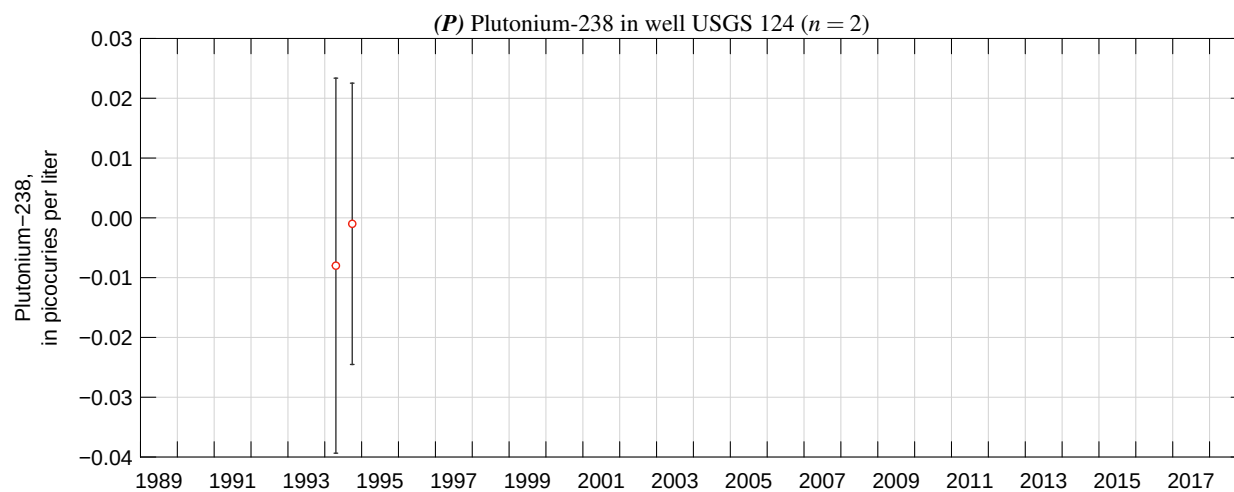


Figure 4.79. —Continued

**Figure 4.79.** —Continued

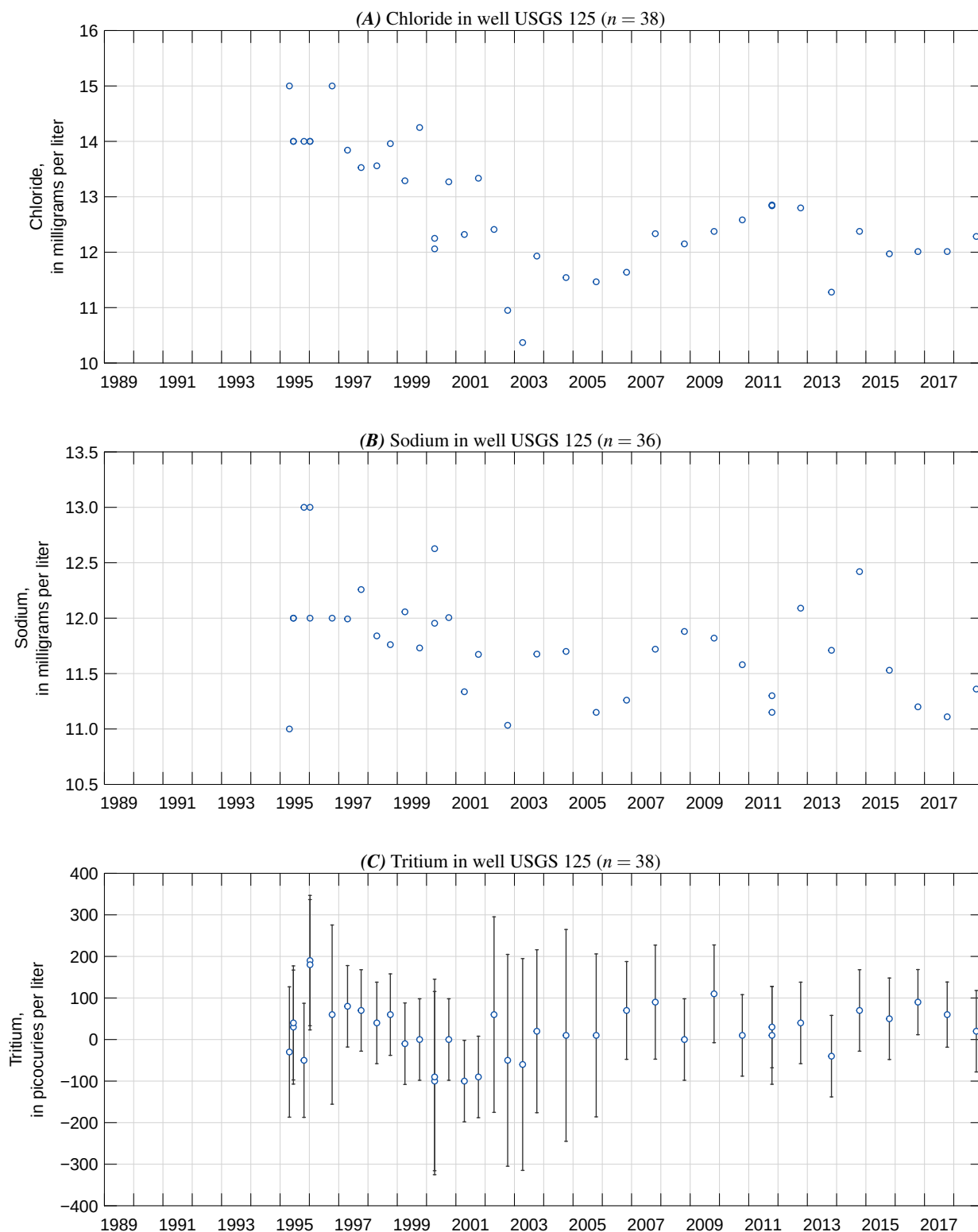


Figure 4.80. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) chromium, (H) carbon tetrachloride, (I) chloroform, (J) toluene, (K) tetrachloroethylene, (L) 1,1-dichloroethylene, (M) 1,1,1-trichloroethane, (N) cfc-12, (O) trichloroethylene, (P) strontium-90, (Q) plutonium-238, (R) alpha particle, and (S) beta particle concentrations in water collected from well USGS 125 (Site No. 432602113052801), Idaho National Laboratory, Idaho, 1989–2018.

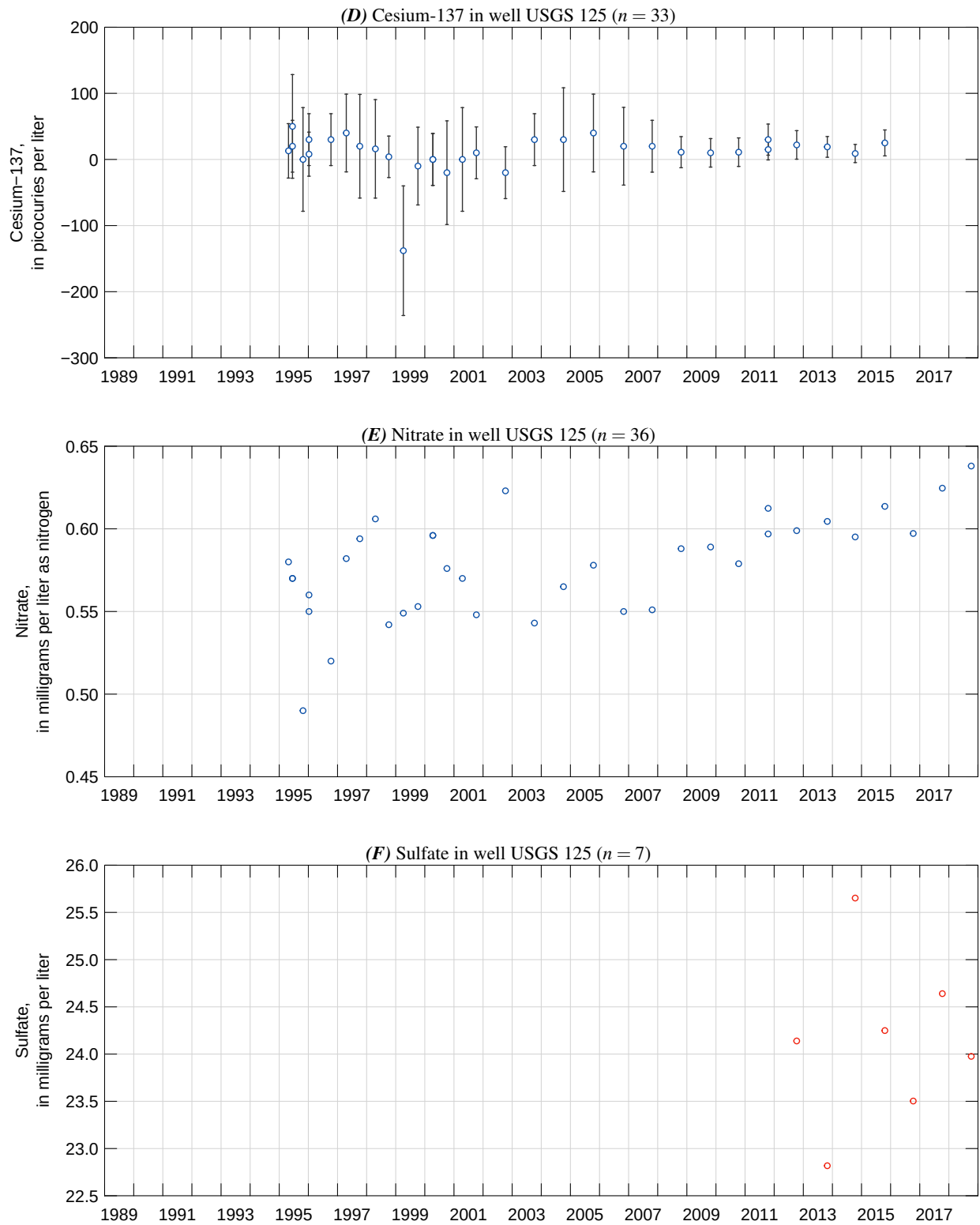


Figure 4.80. —Continued

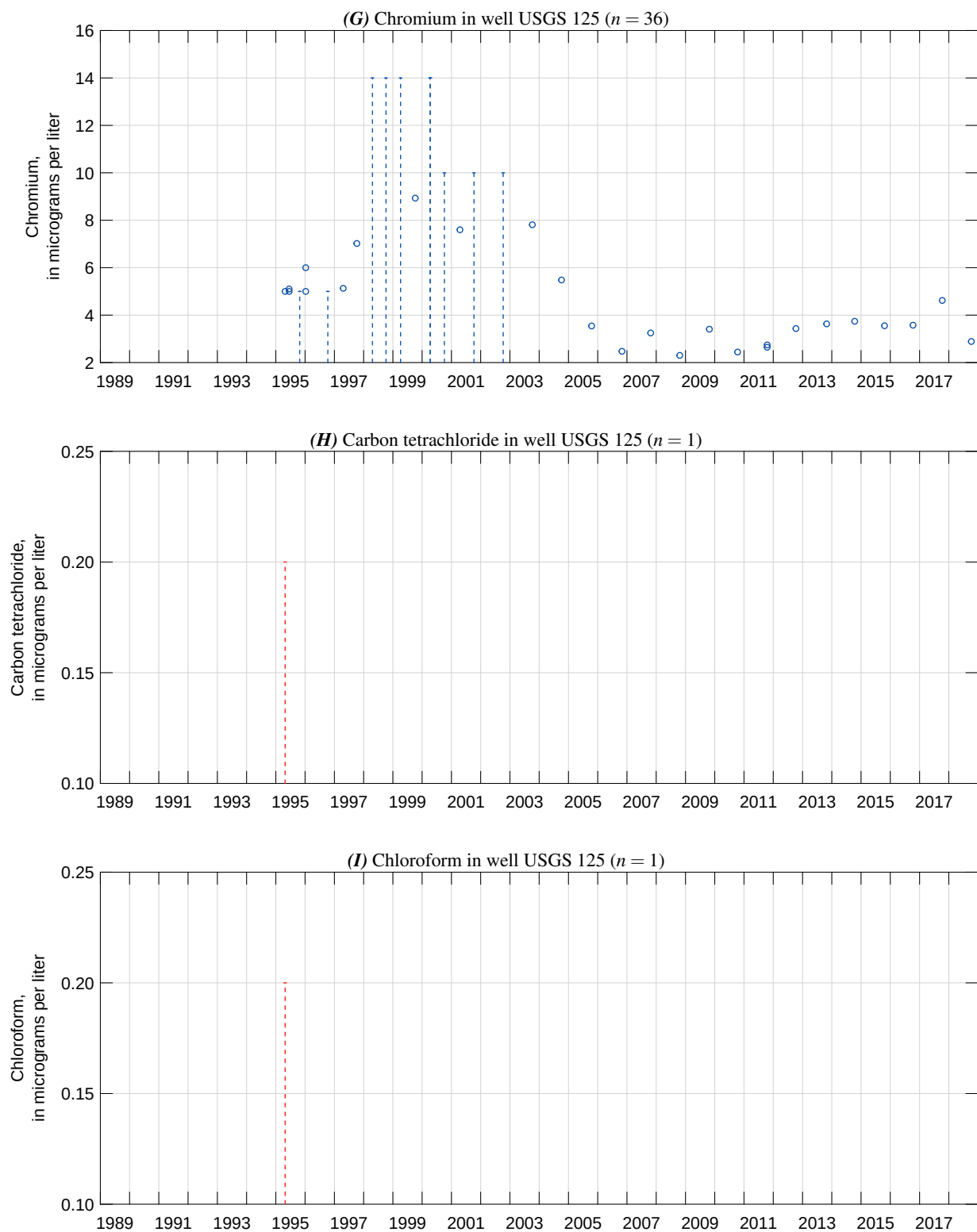


Figure 4.80. —Continued

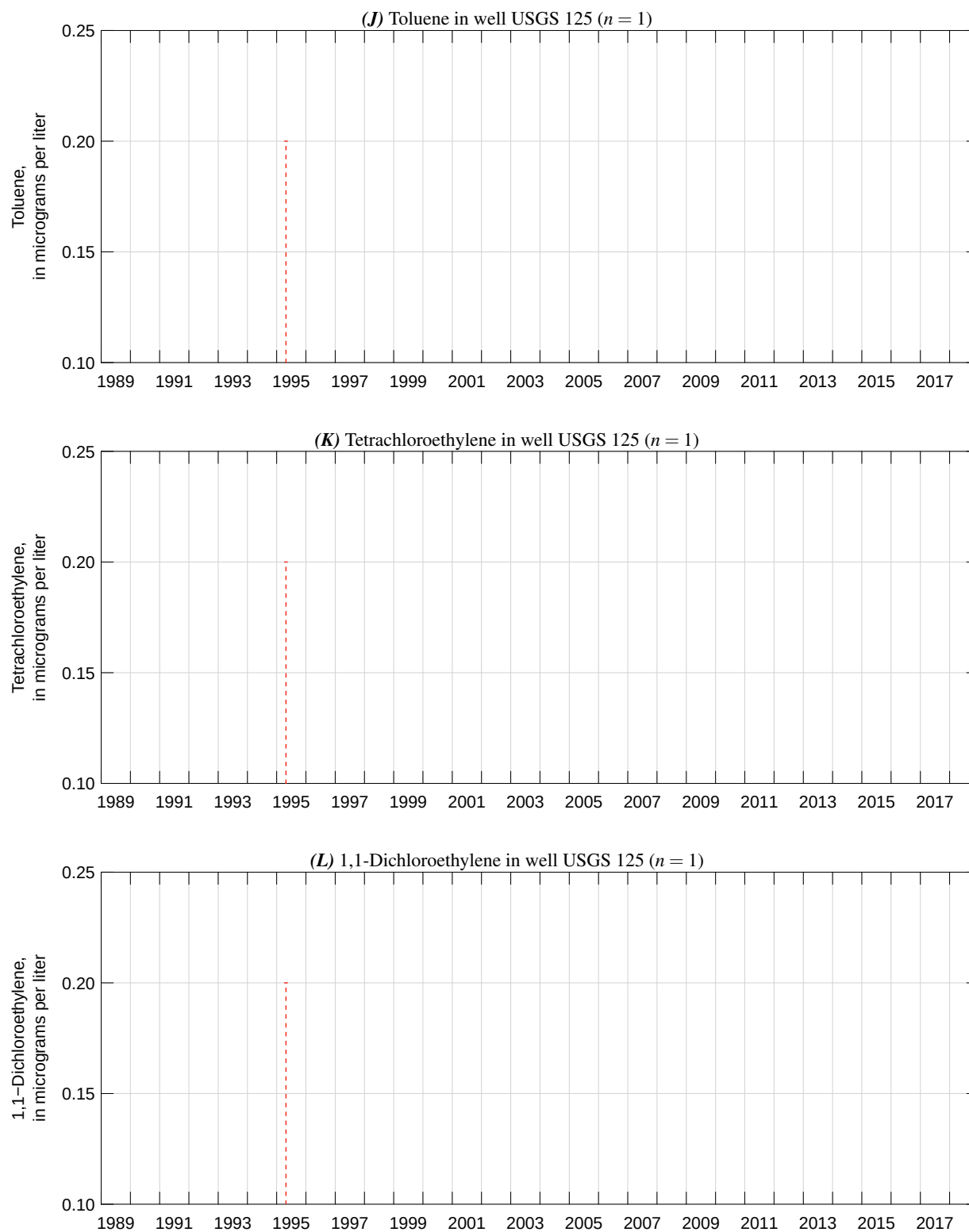
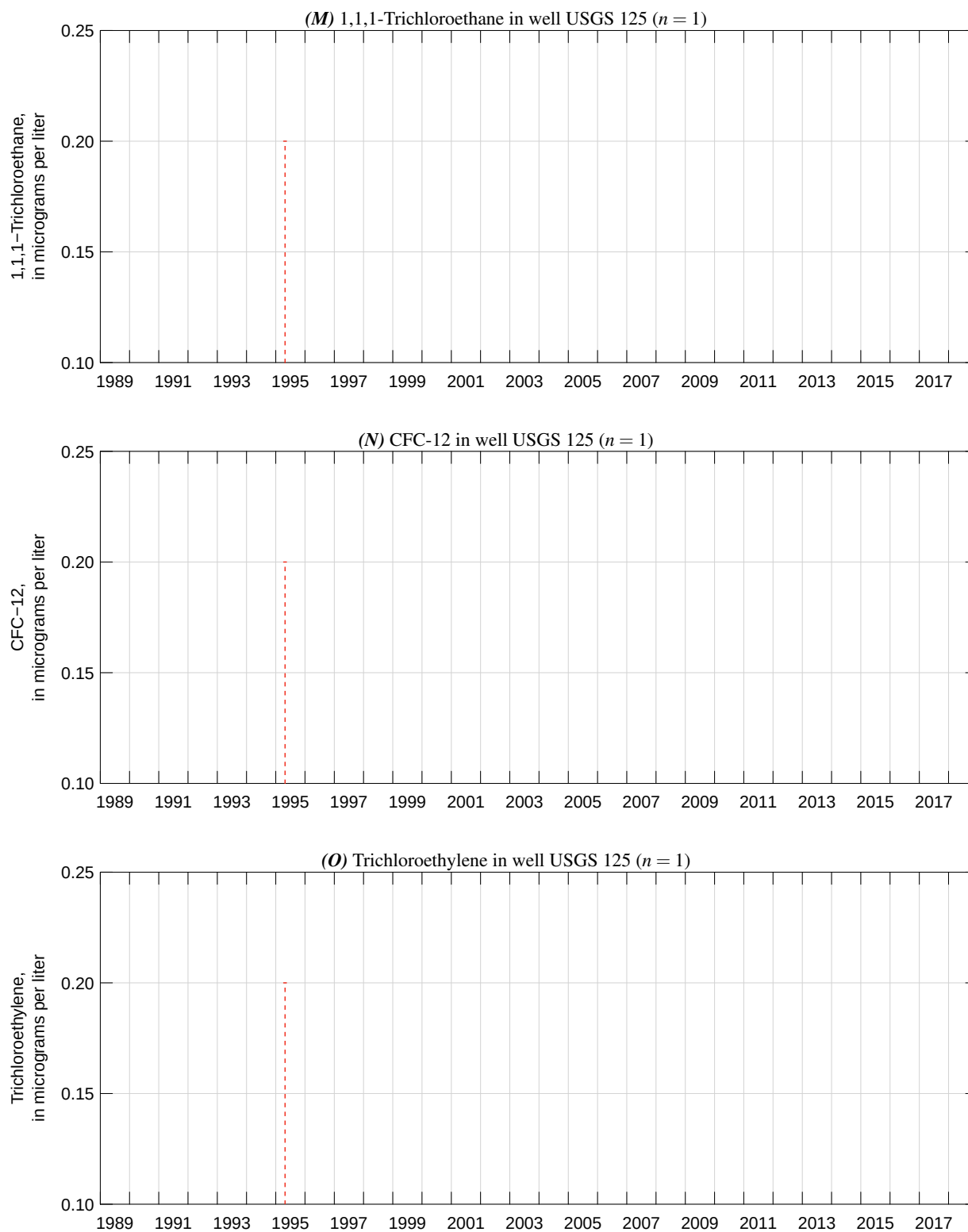


Figure 4.80. —Continued



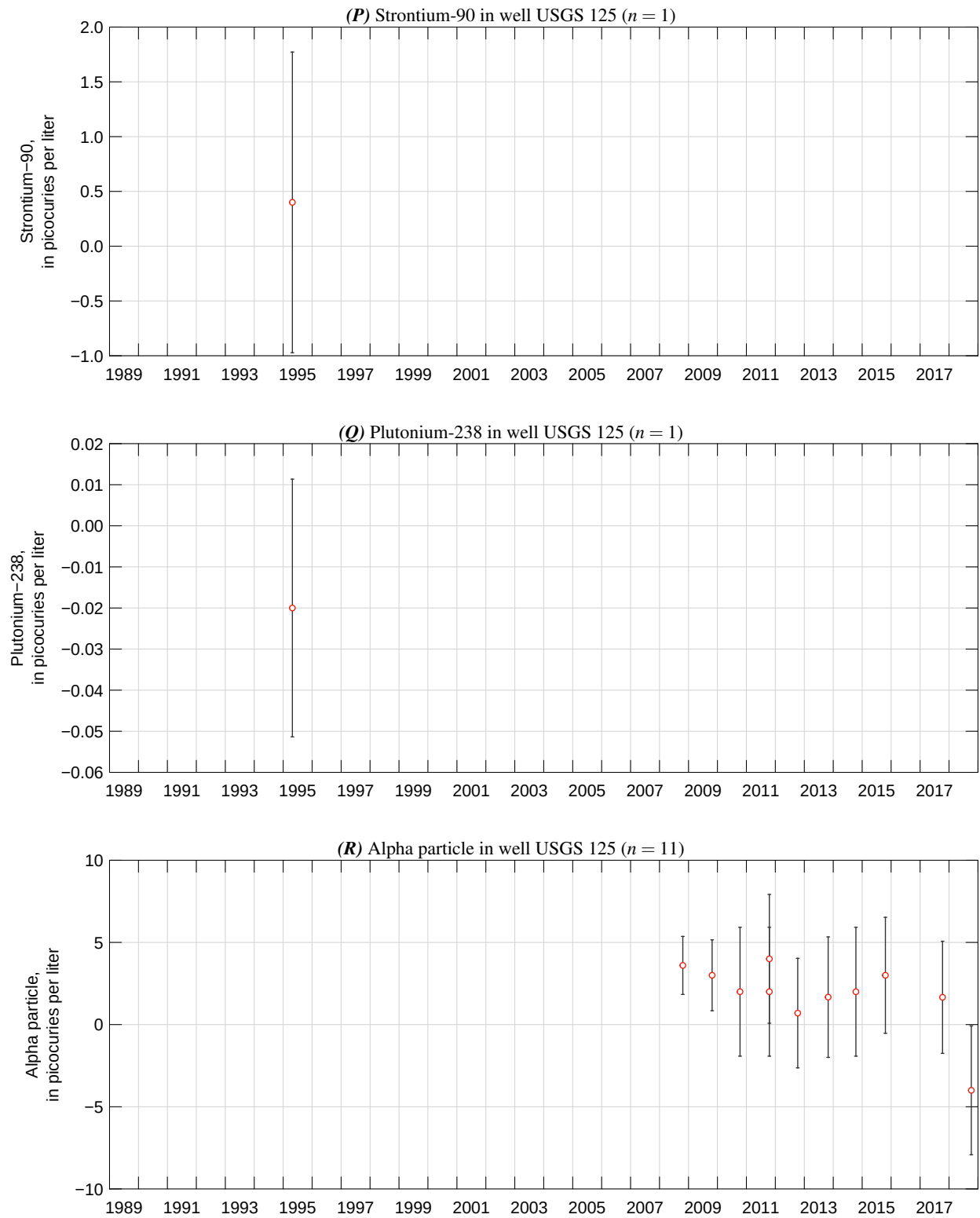


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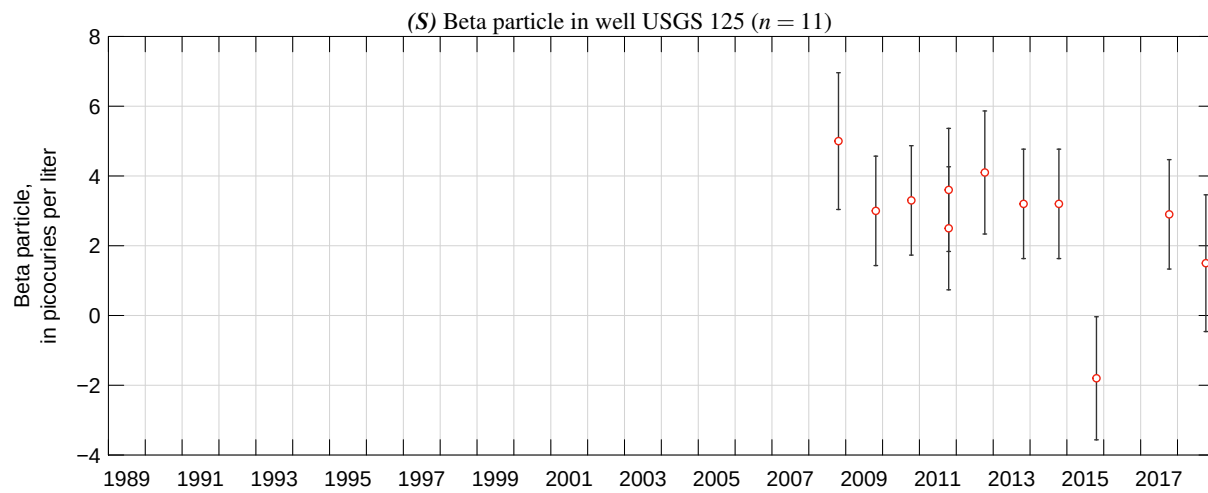


Figure 4.80. —Continued

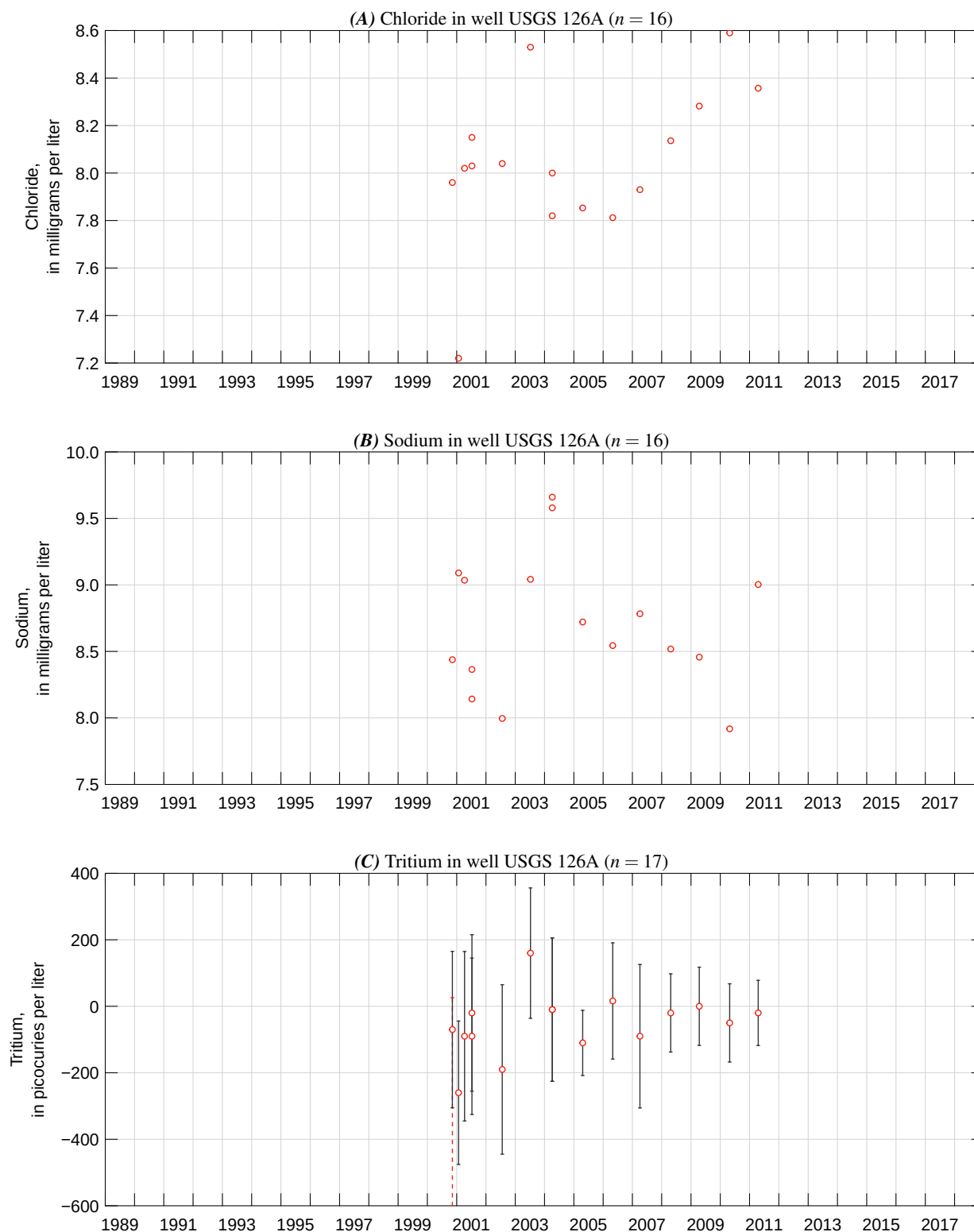


Figure 4.81. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, (R) plutonium-238, (S) alpha particle, and (T) beta particle concentrations in water collected from well USGS 126A (Site No. 435529112471301), Idaho National Laboratory, Idaho, 1989–2018.

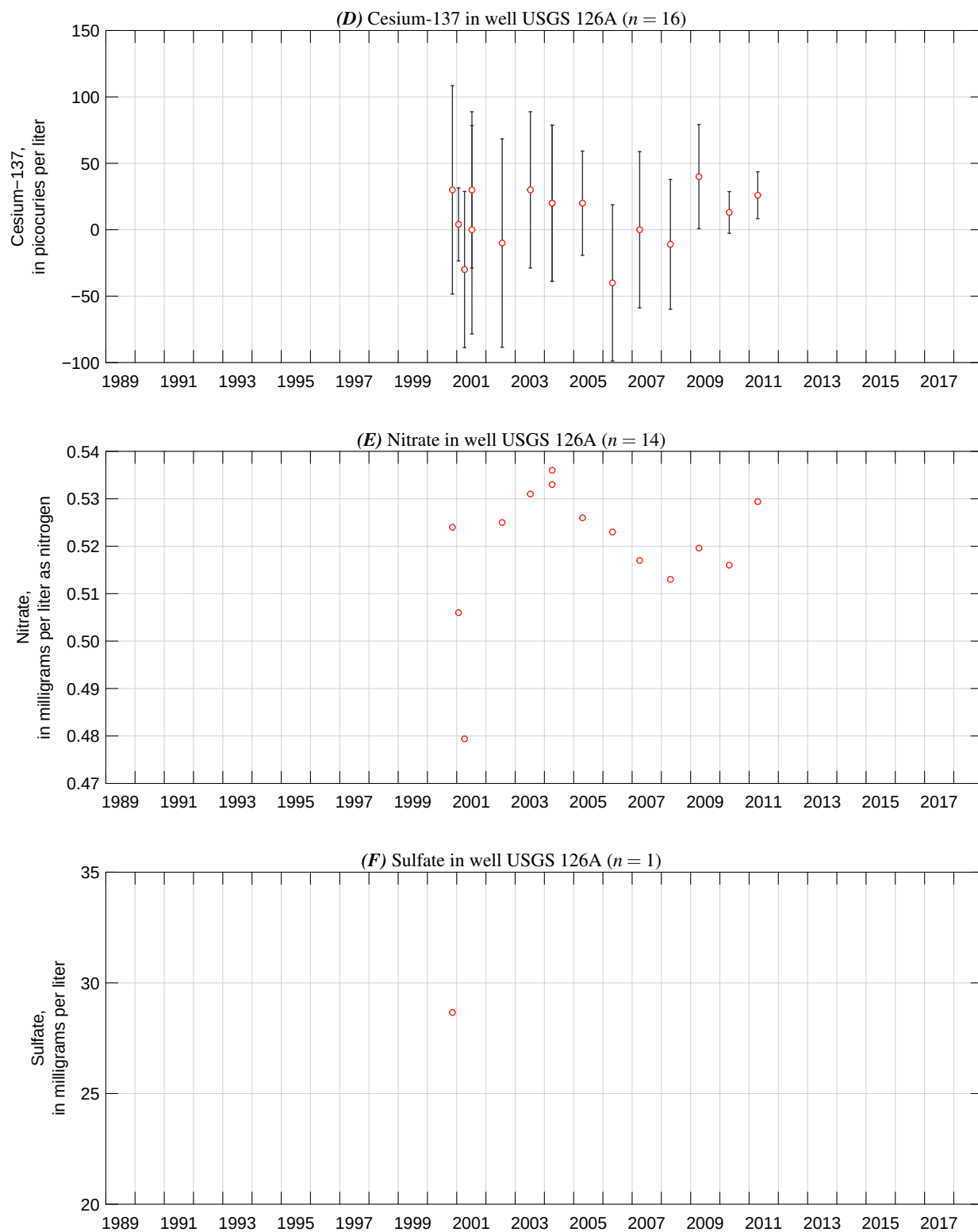


Figure 4.81. —Continued

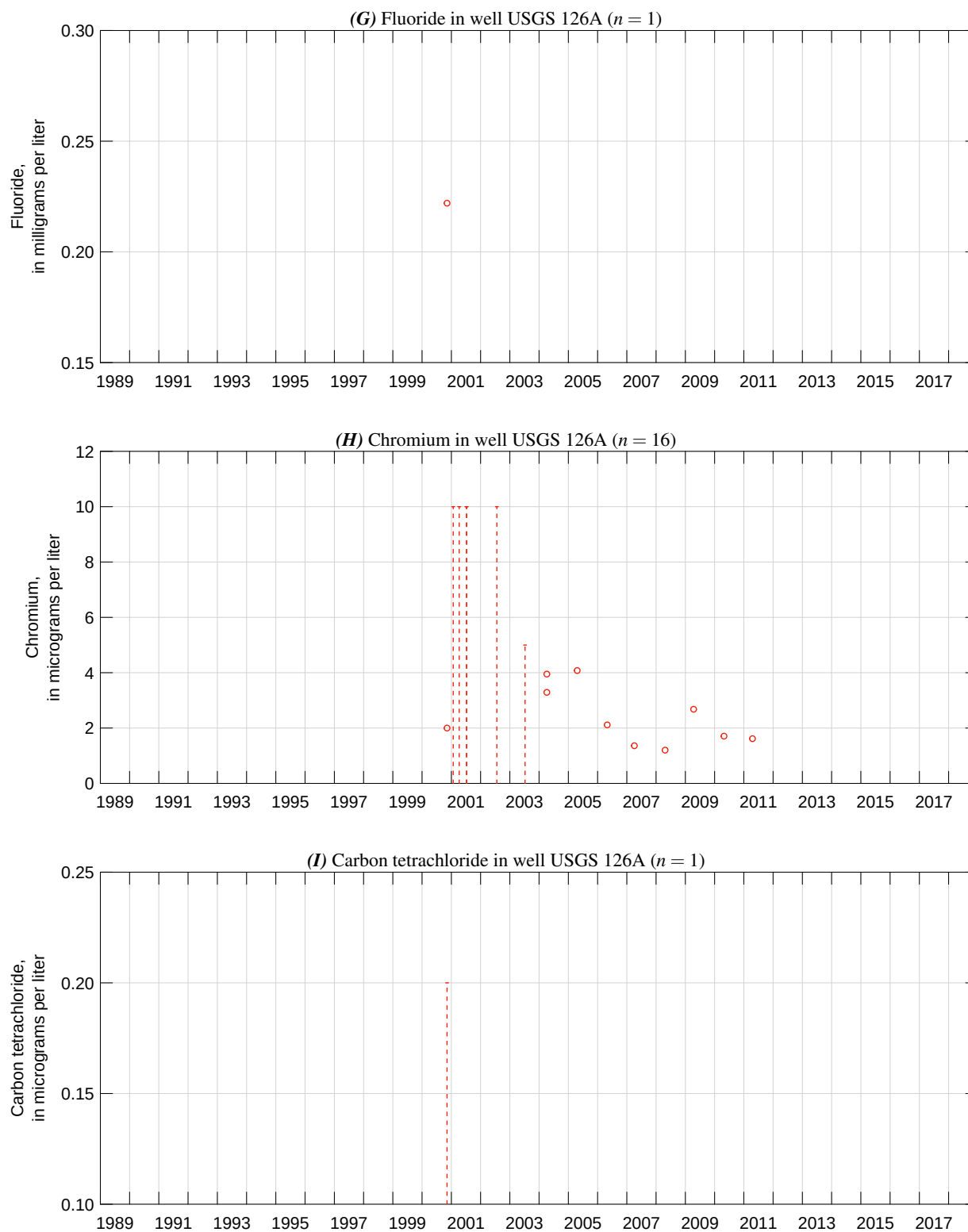


Figure 4.81. —Continued

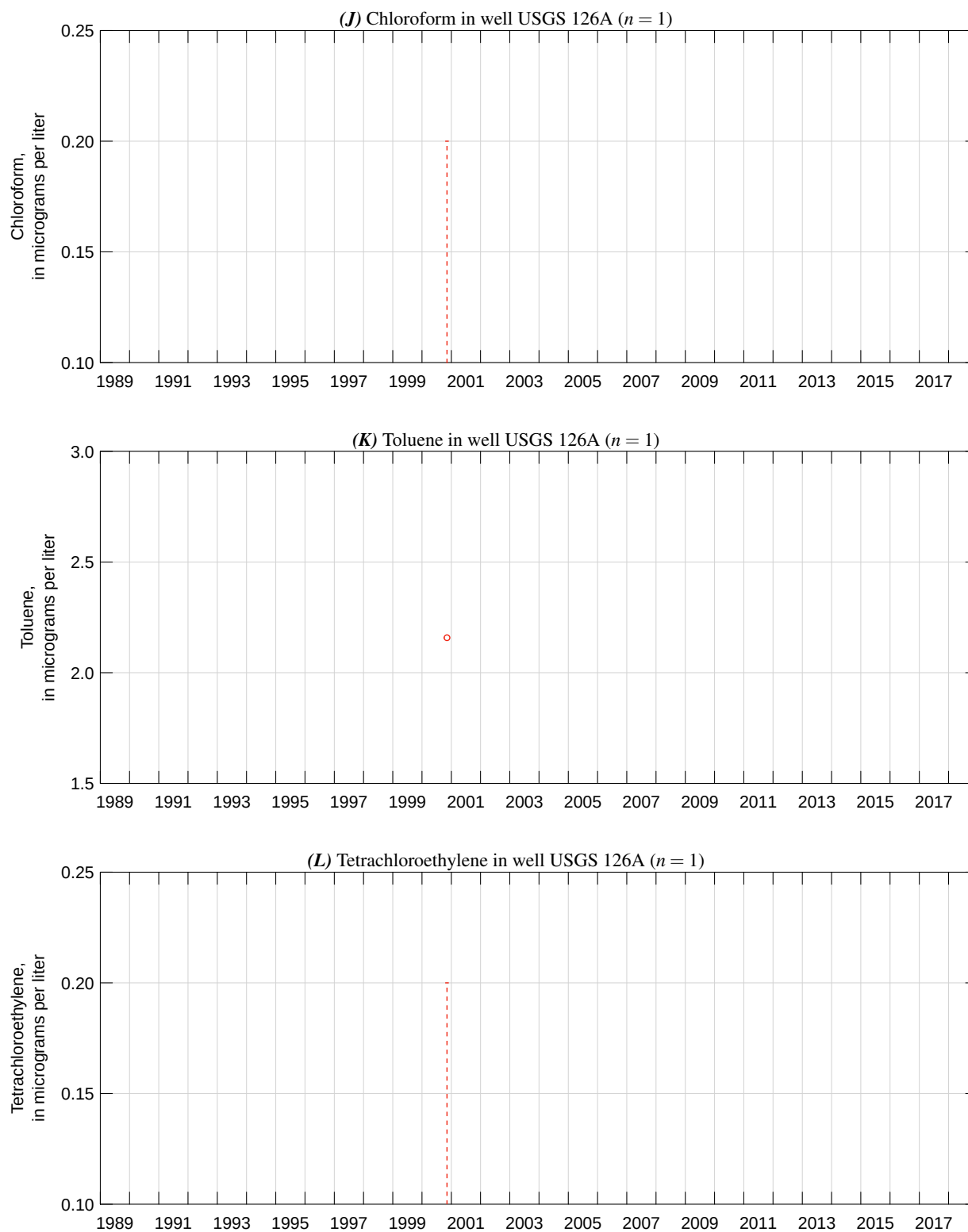


Figure 4.81. —Continued

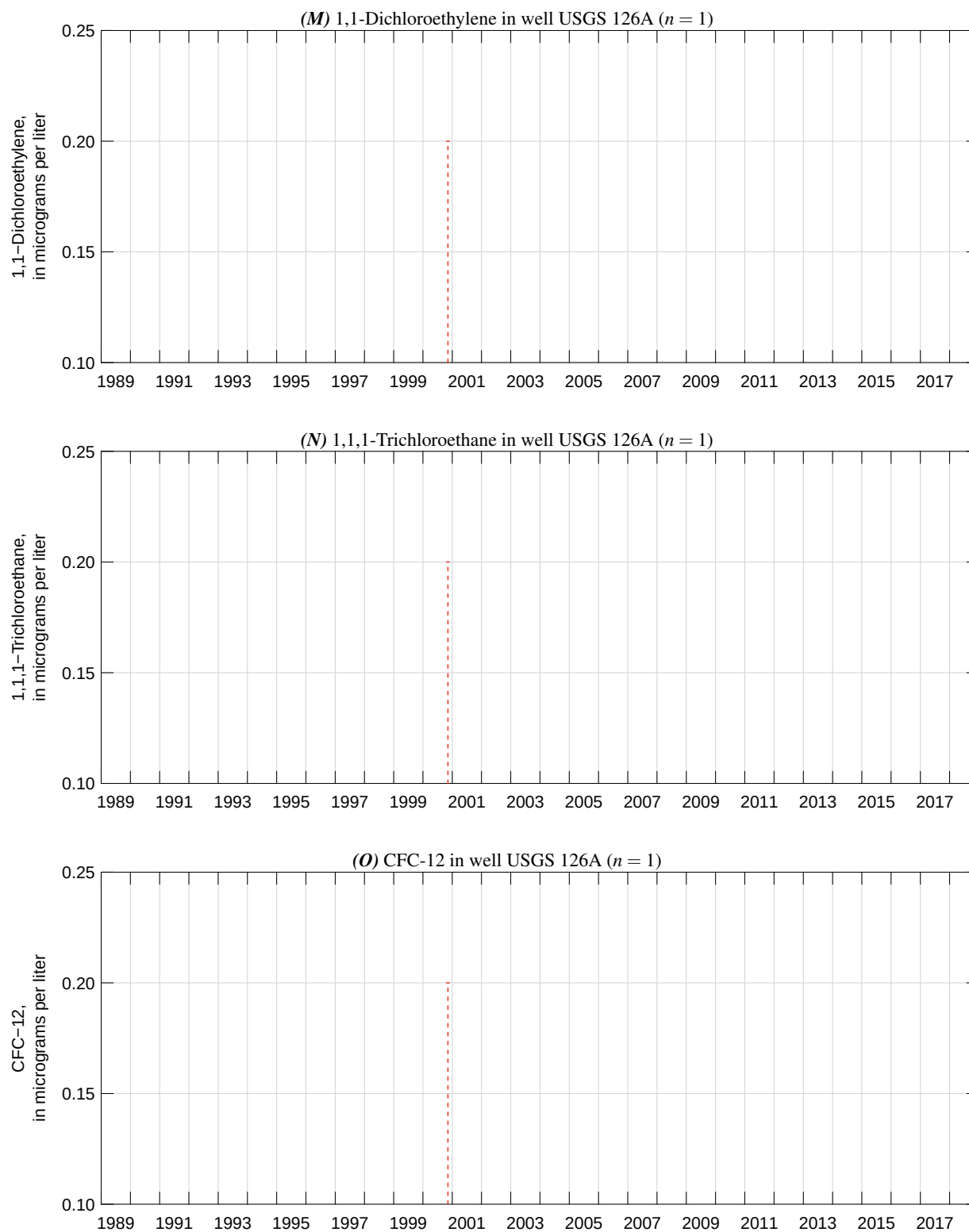


Figure 4.81. —Continued

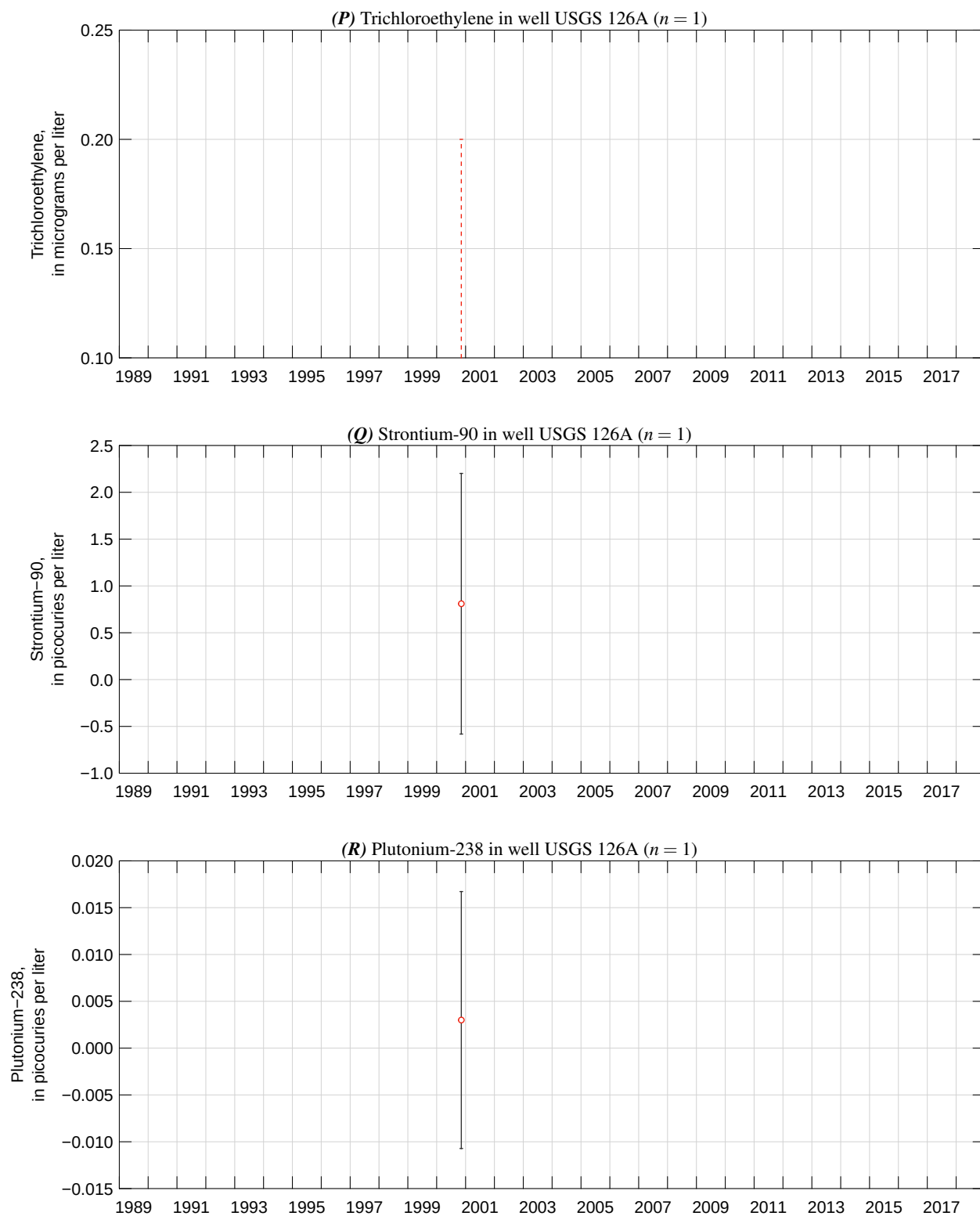


Figure 4.81. —Continued

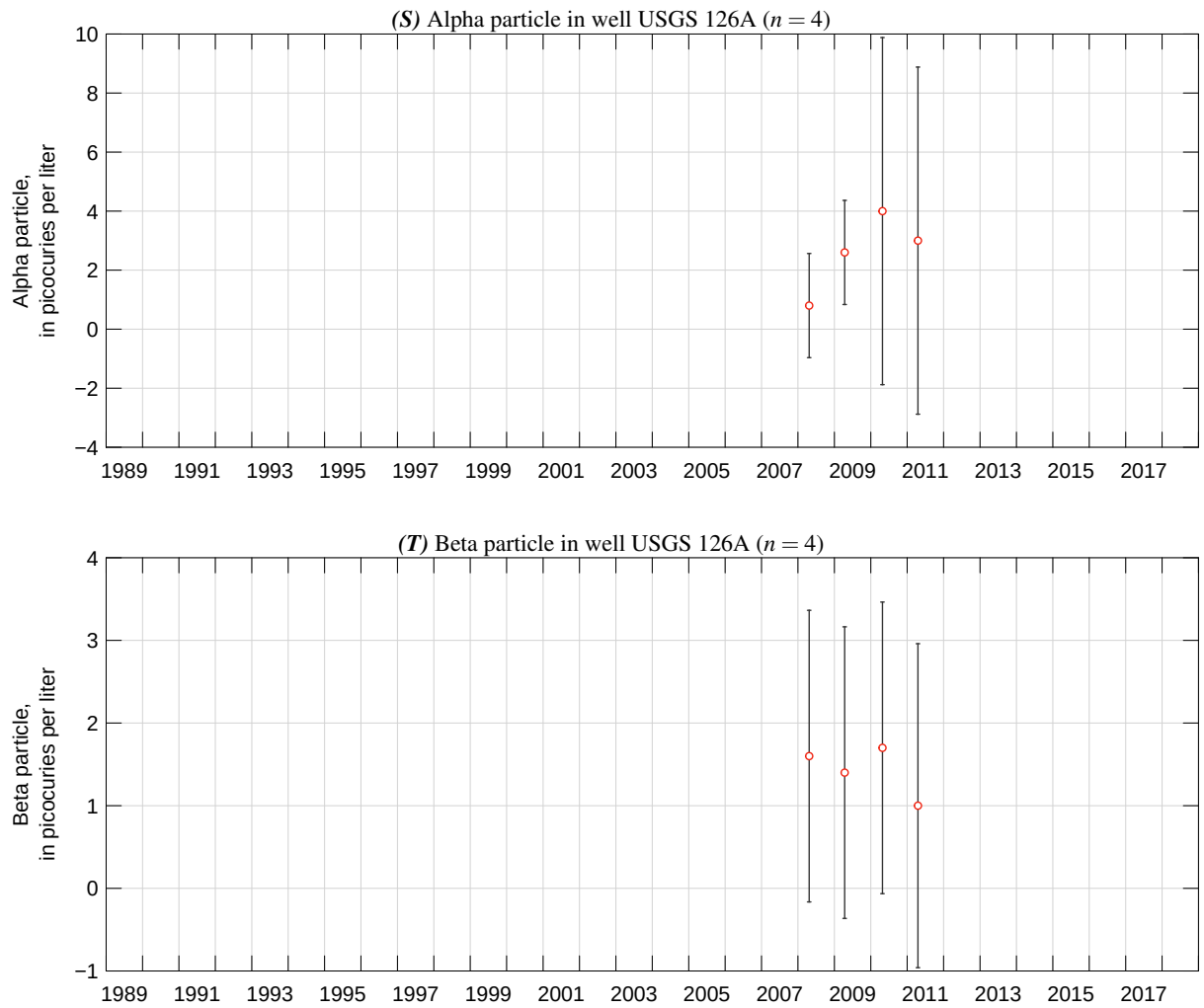


Figure 4.81. —Continued

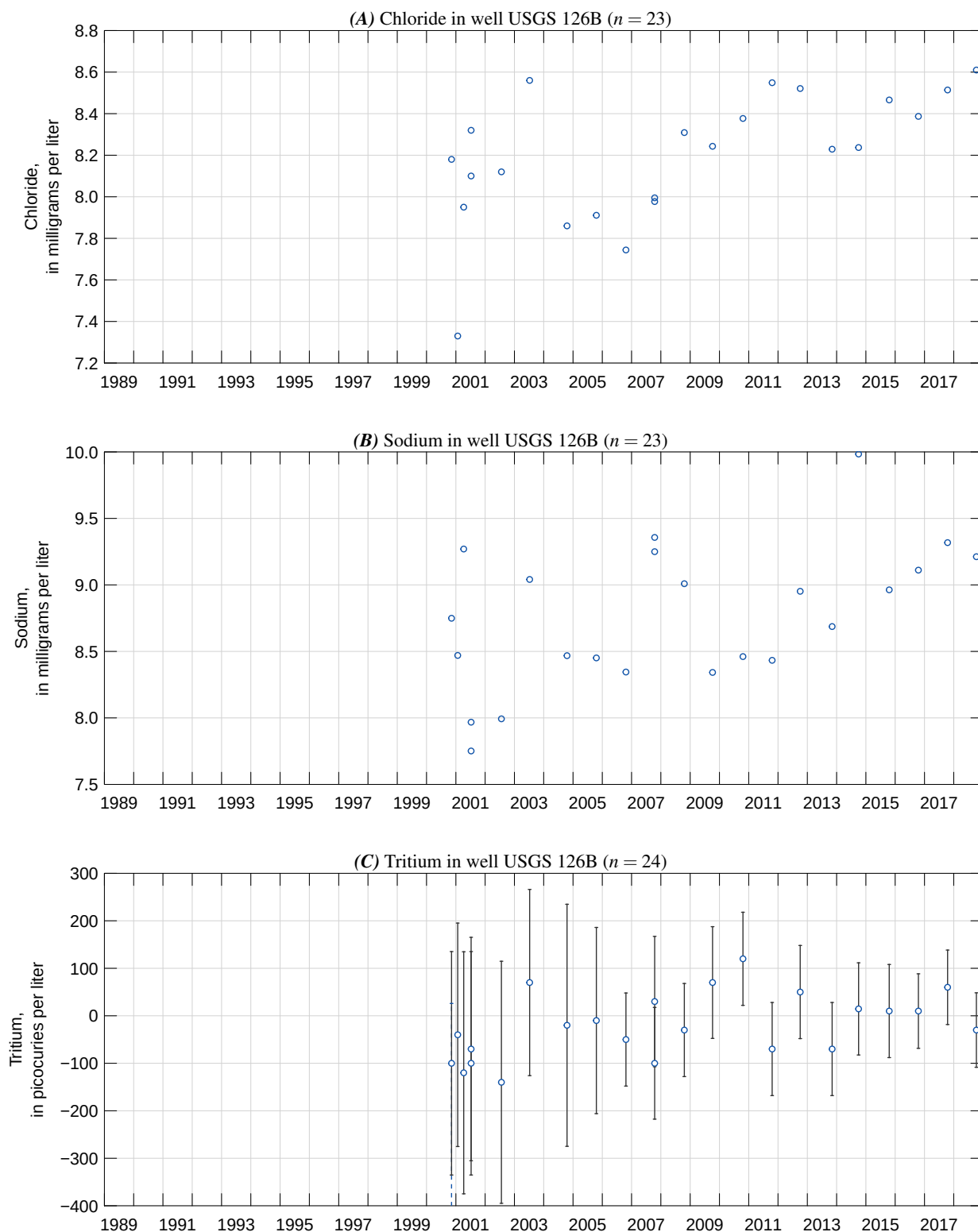


Figure 4.82. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, (R) plutonium-238, (S) alpha particle, and (T) beta particle concentrations in water collected from well USGS 126B (Site No. 435529112471401), Idaho National Laboratory, Idaho, 1989–2018.

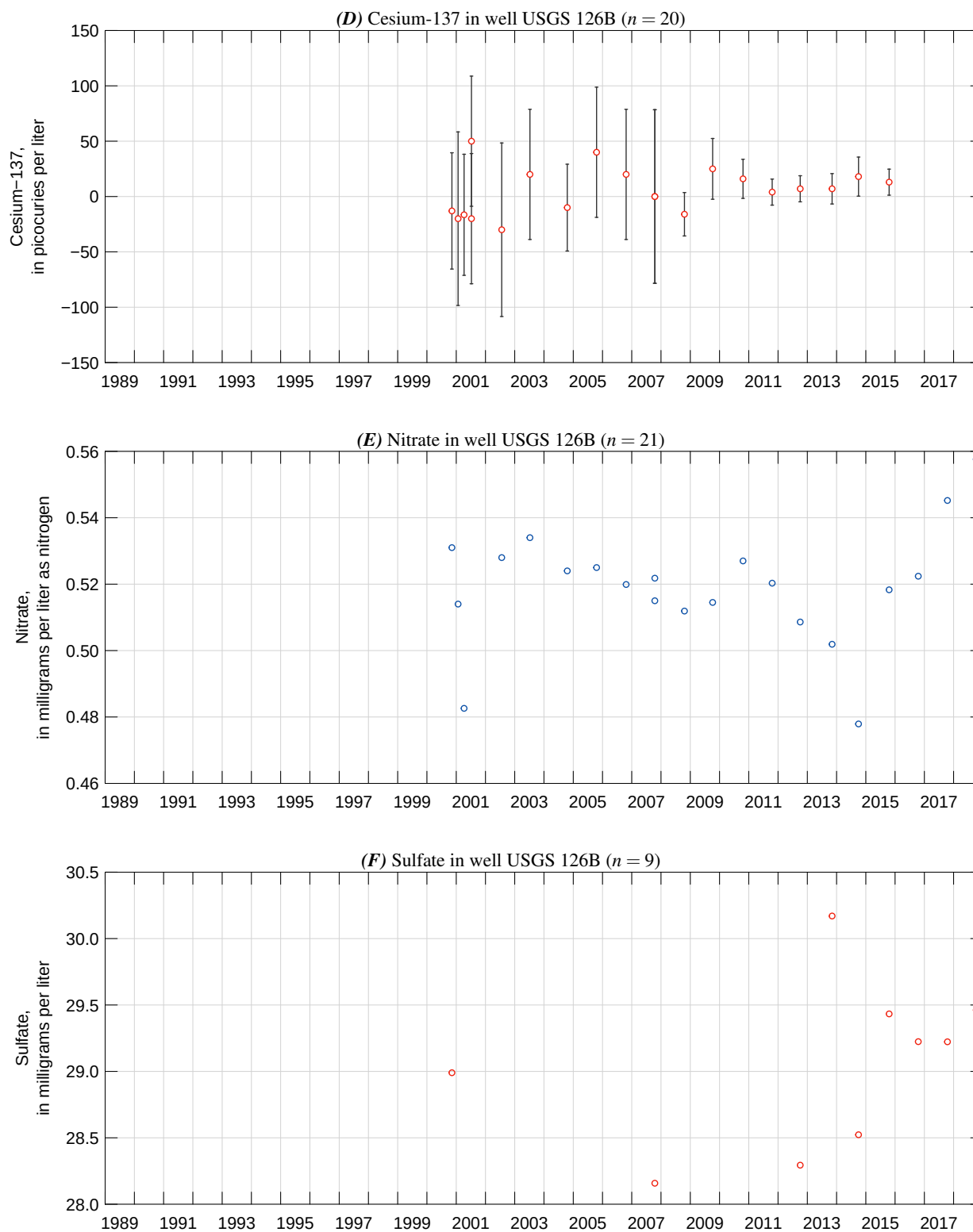


Figure 4.82. —Continued

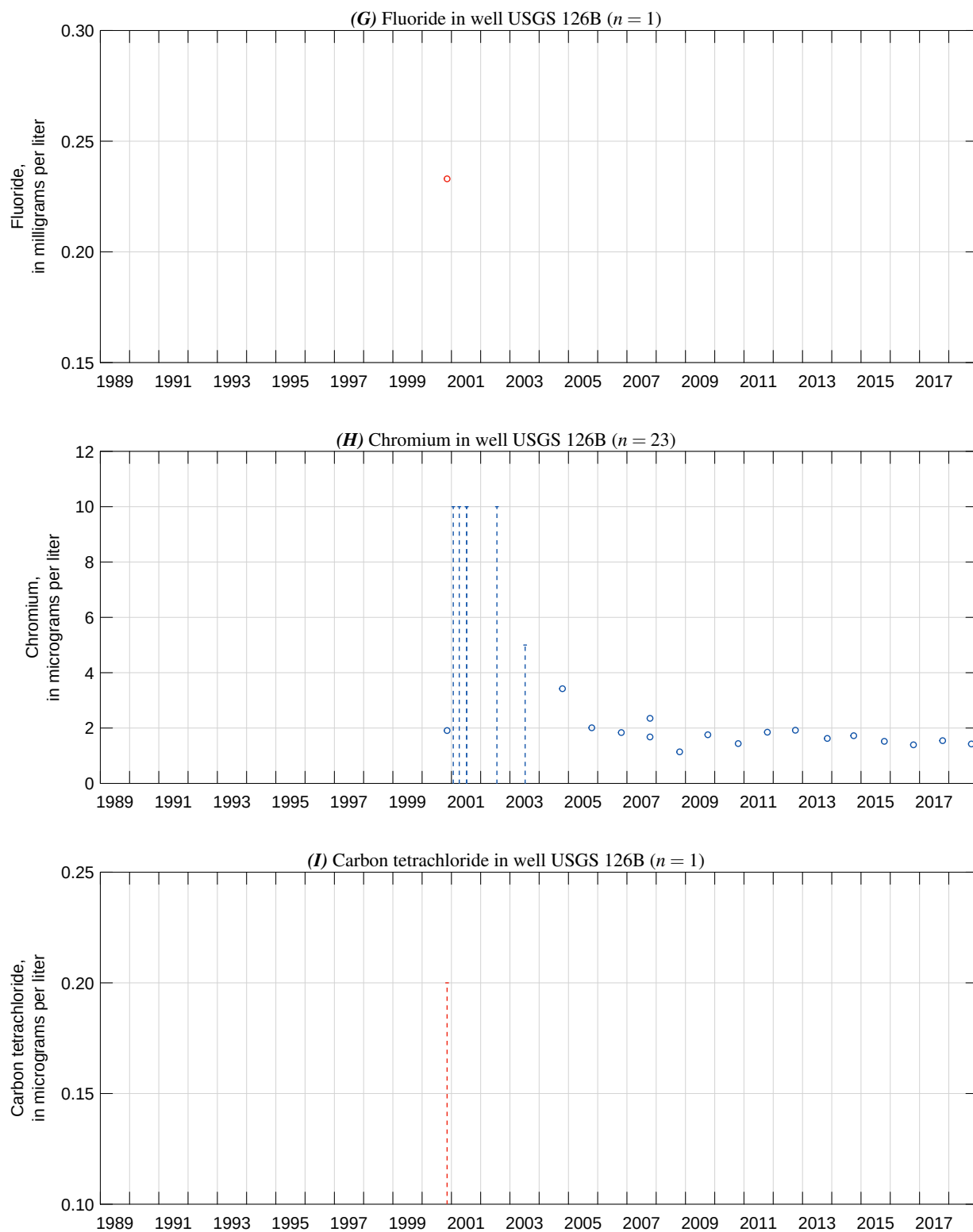


Figure 4.82. —Continued

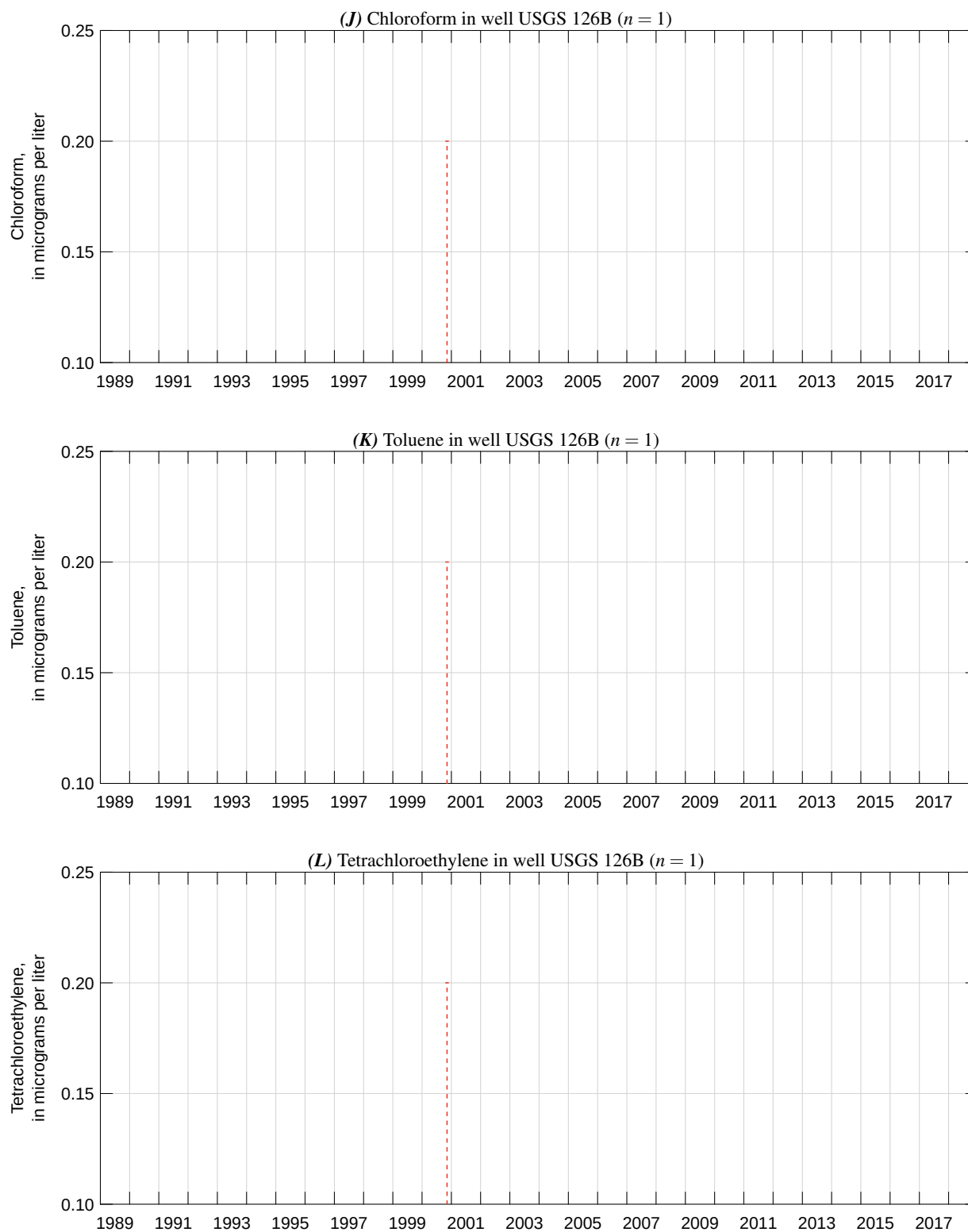


Figure 4.82. —Continued

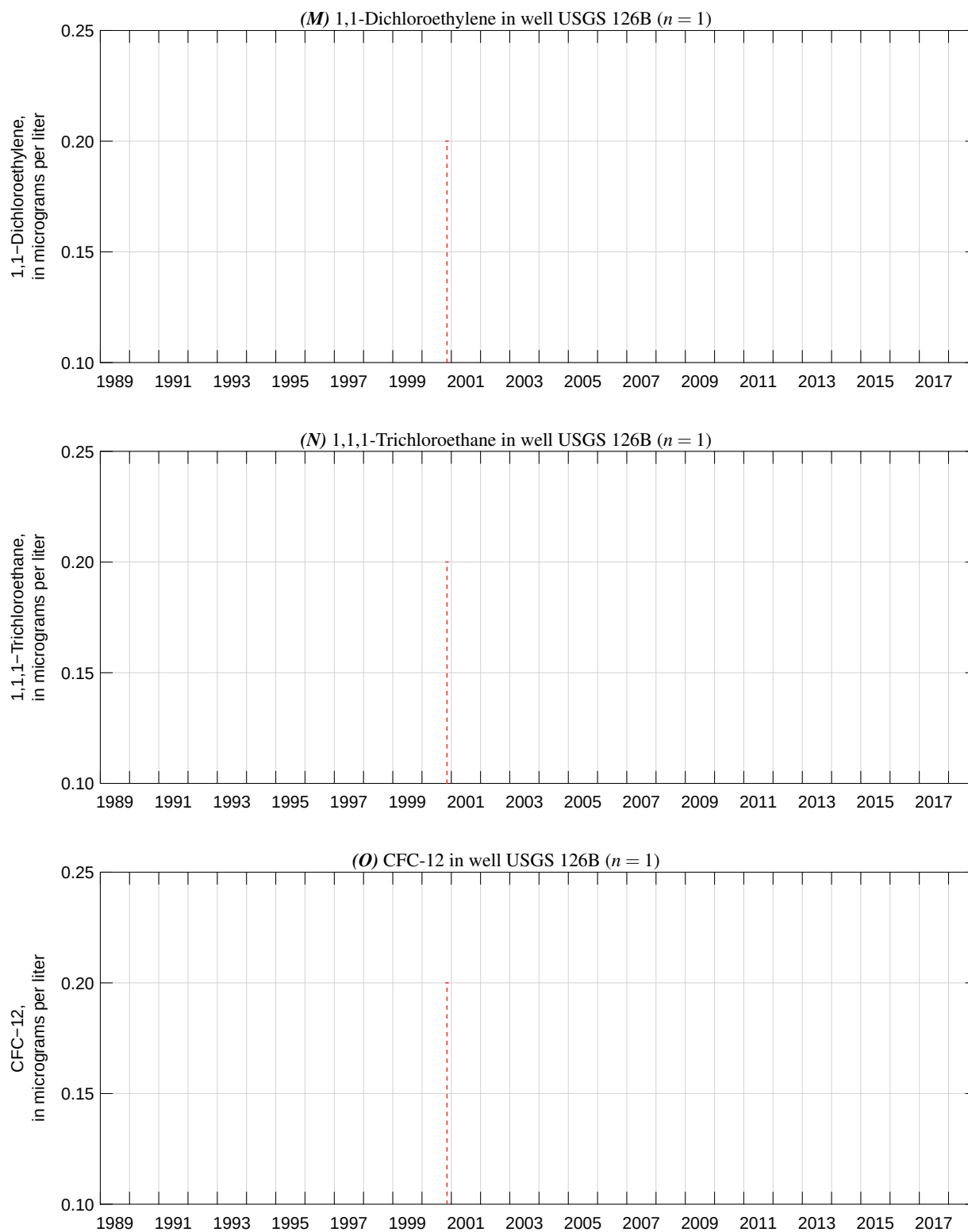


Figure 4.82. —Continued

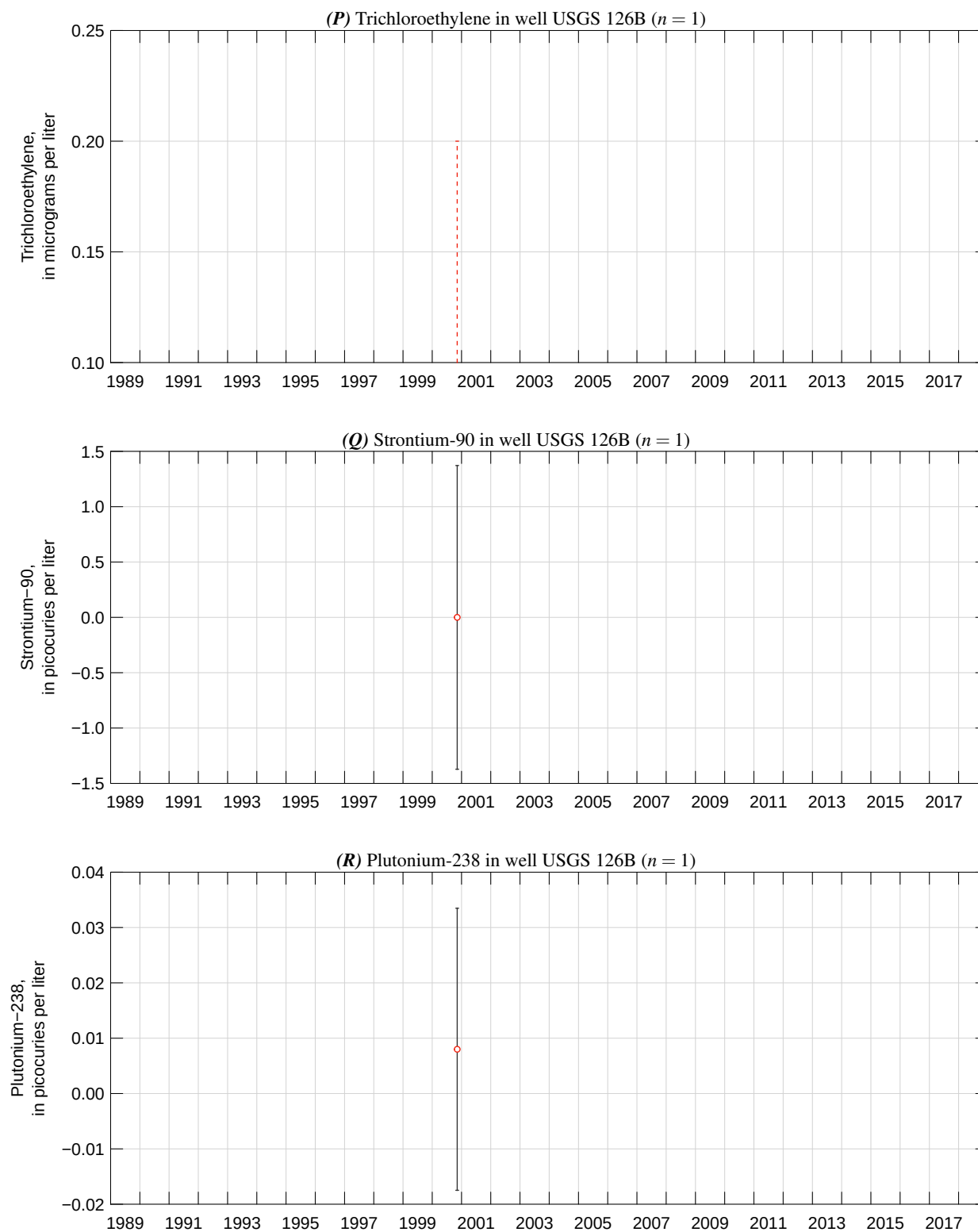


Figure 4.82. —Continued

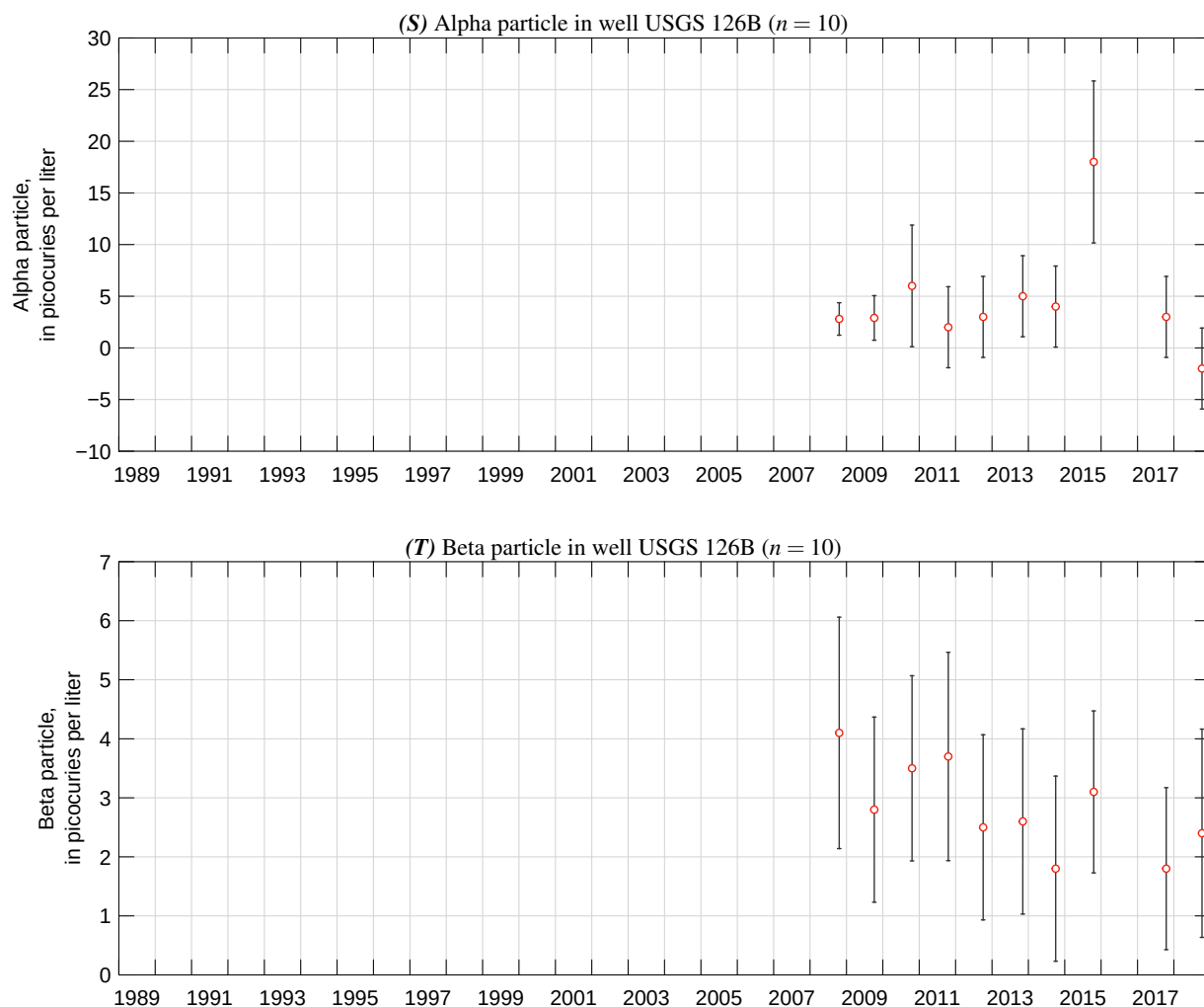


Figure 4.82. —Continued

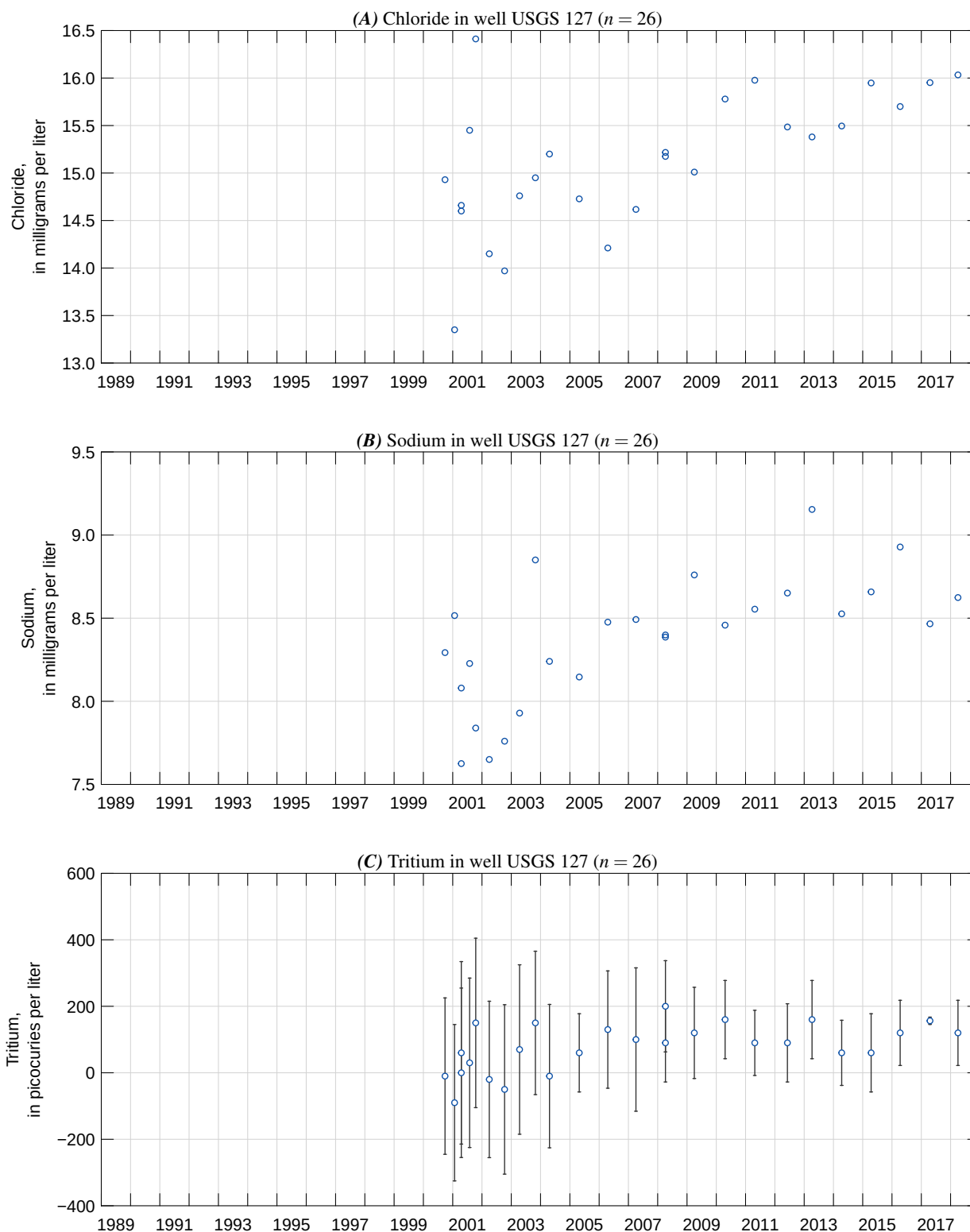


Figure 4.83. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, (R) plutonium-238, (S) alpha particle, and (T) beta particle concentrations in water collected from well USGS 127 (Site No. 433058112572201), Idaho National Laboratory, Idaho, 1989–2018.

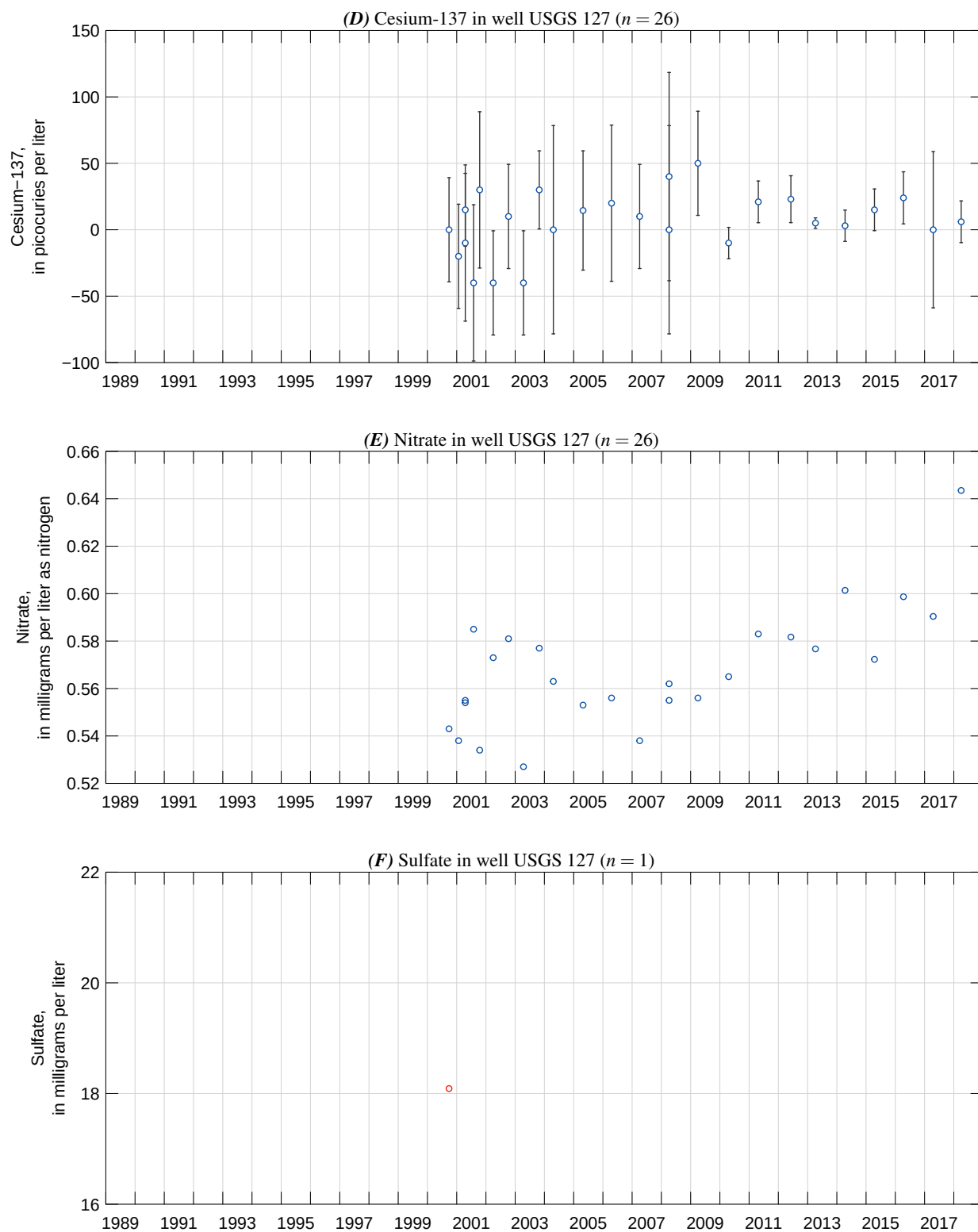


Figure 4.83. —Continued

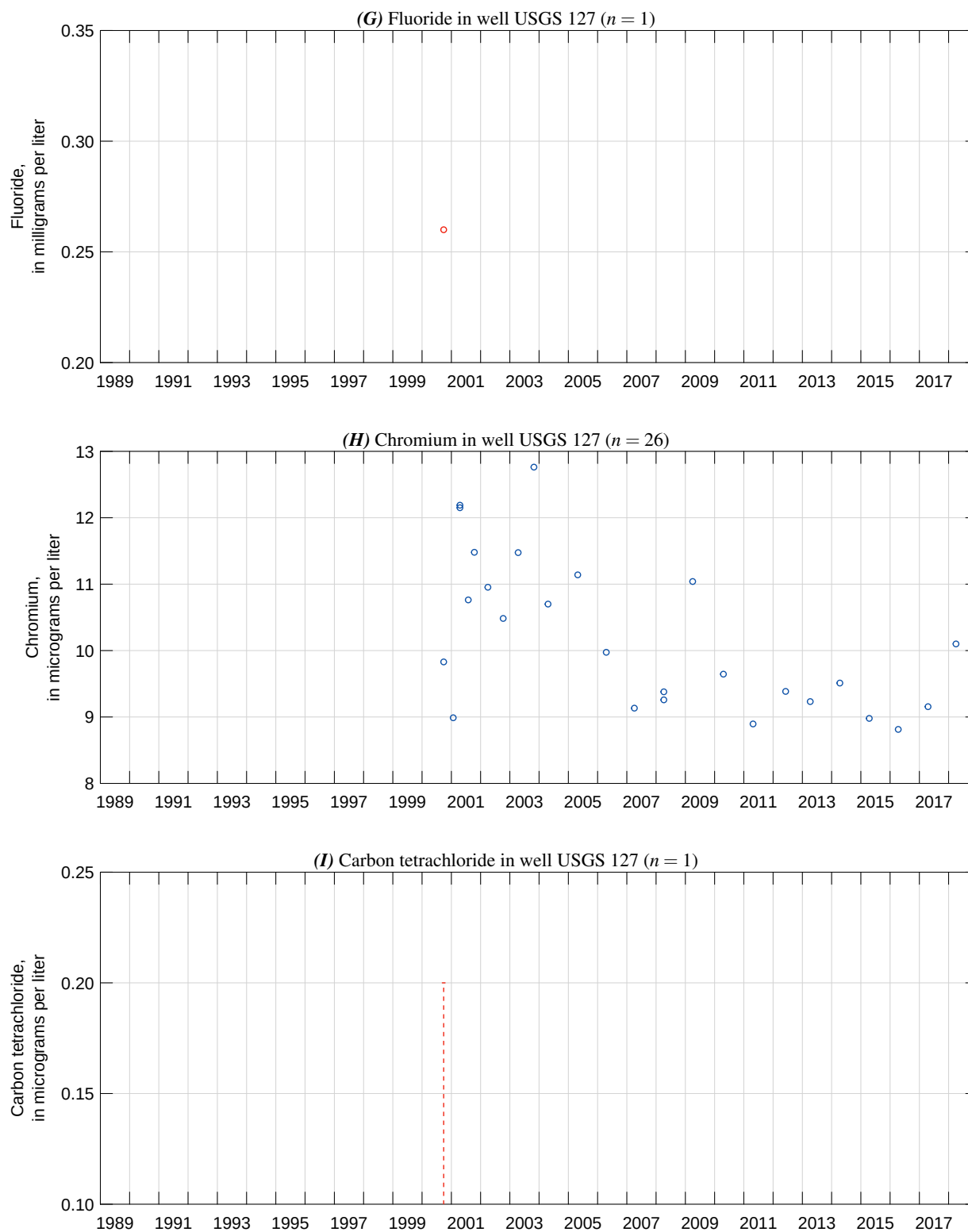


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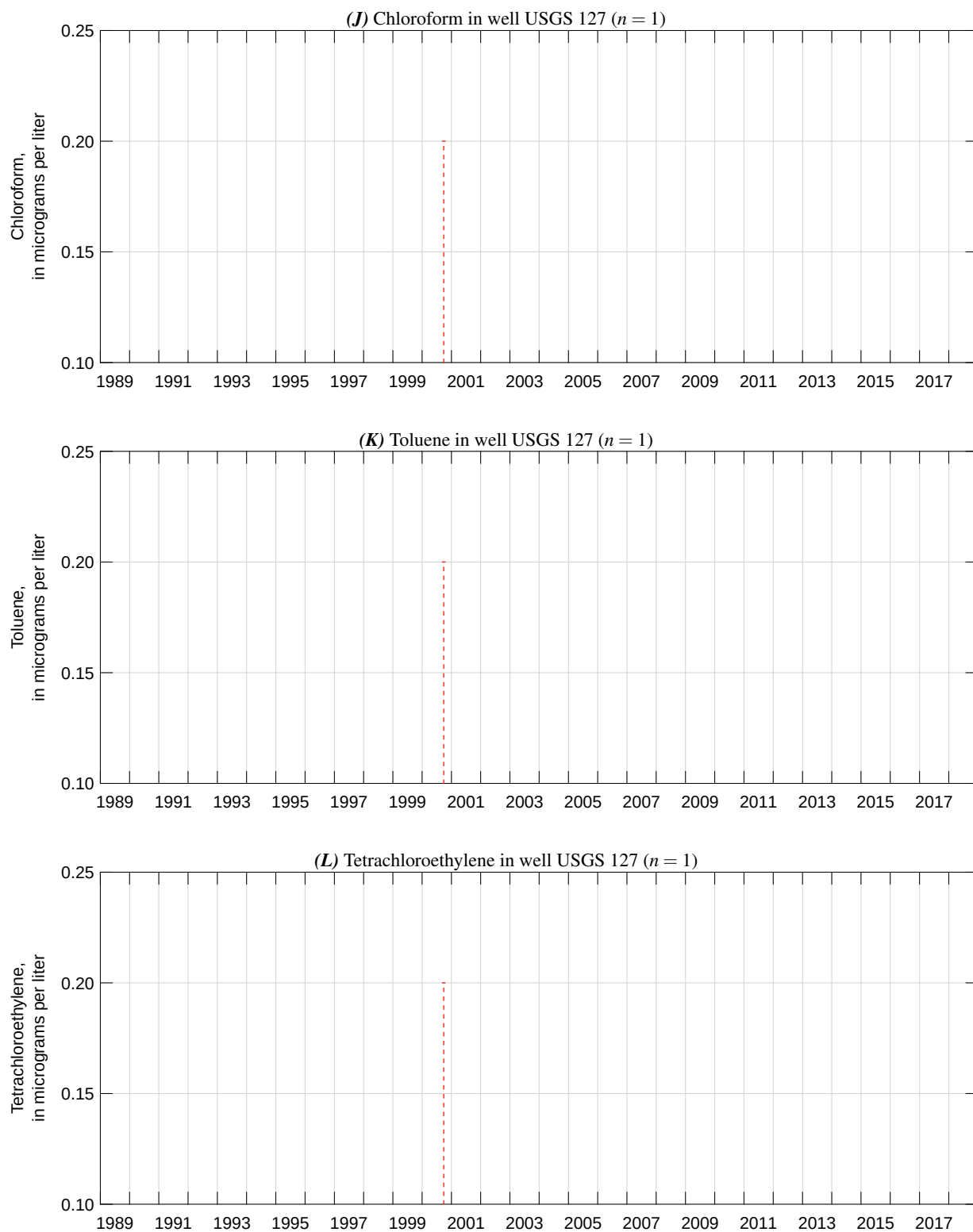


Figure 4.83. —Continued

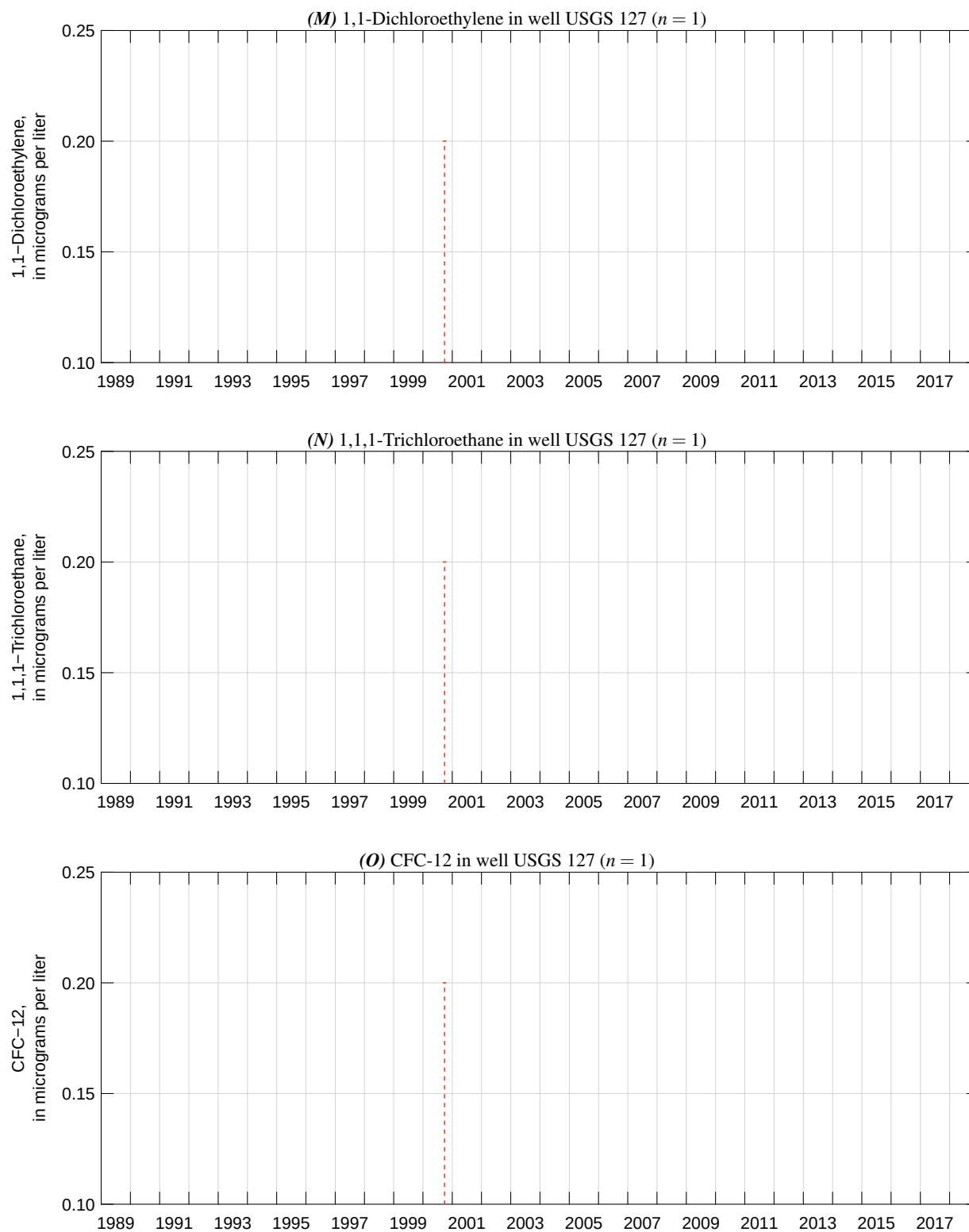


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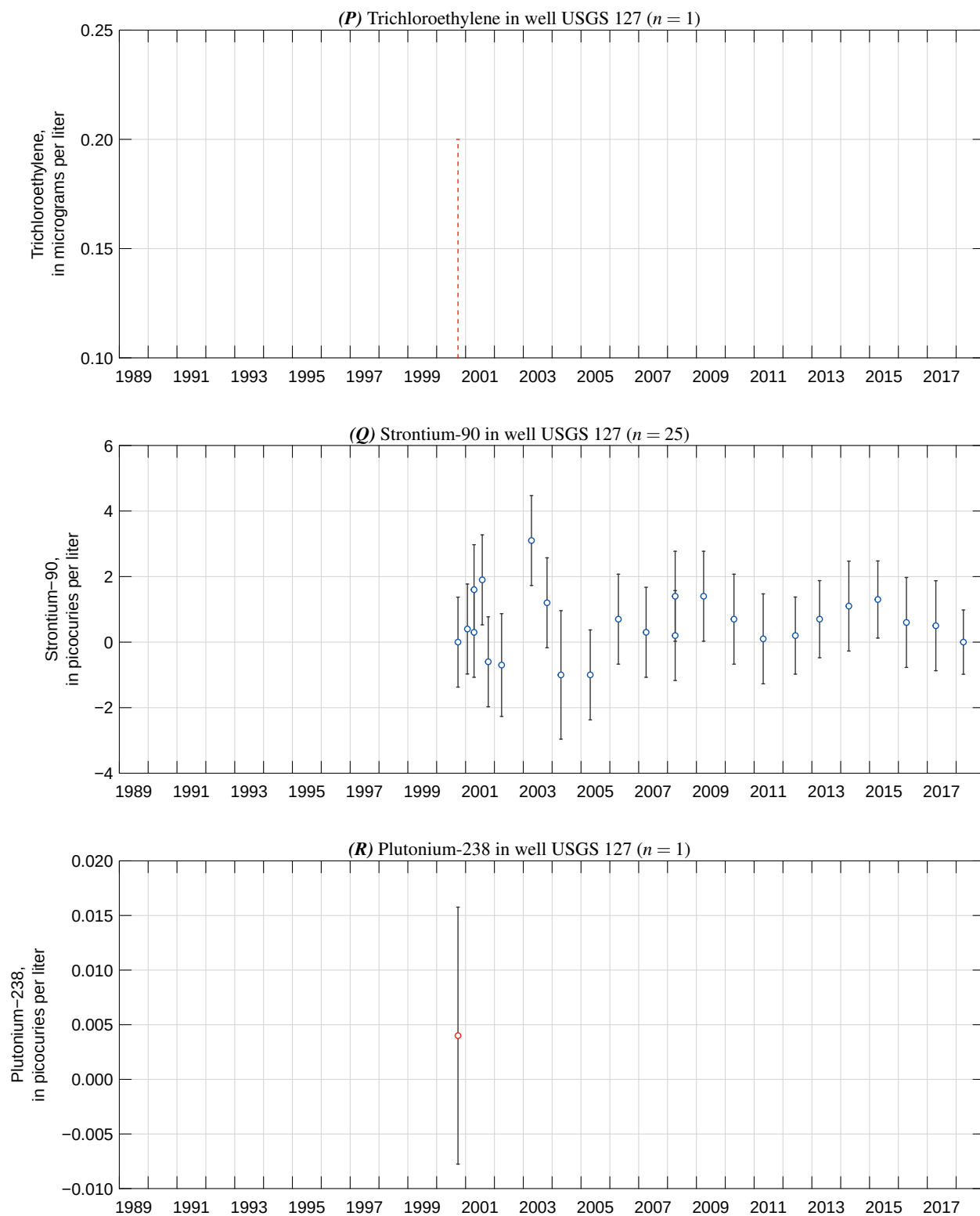


Figure 4.83. —Continued

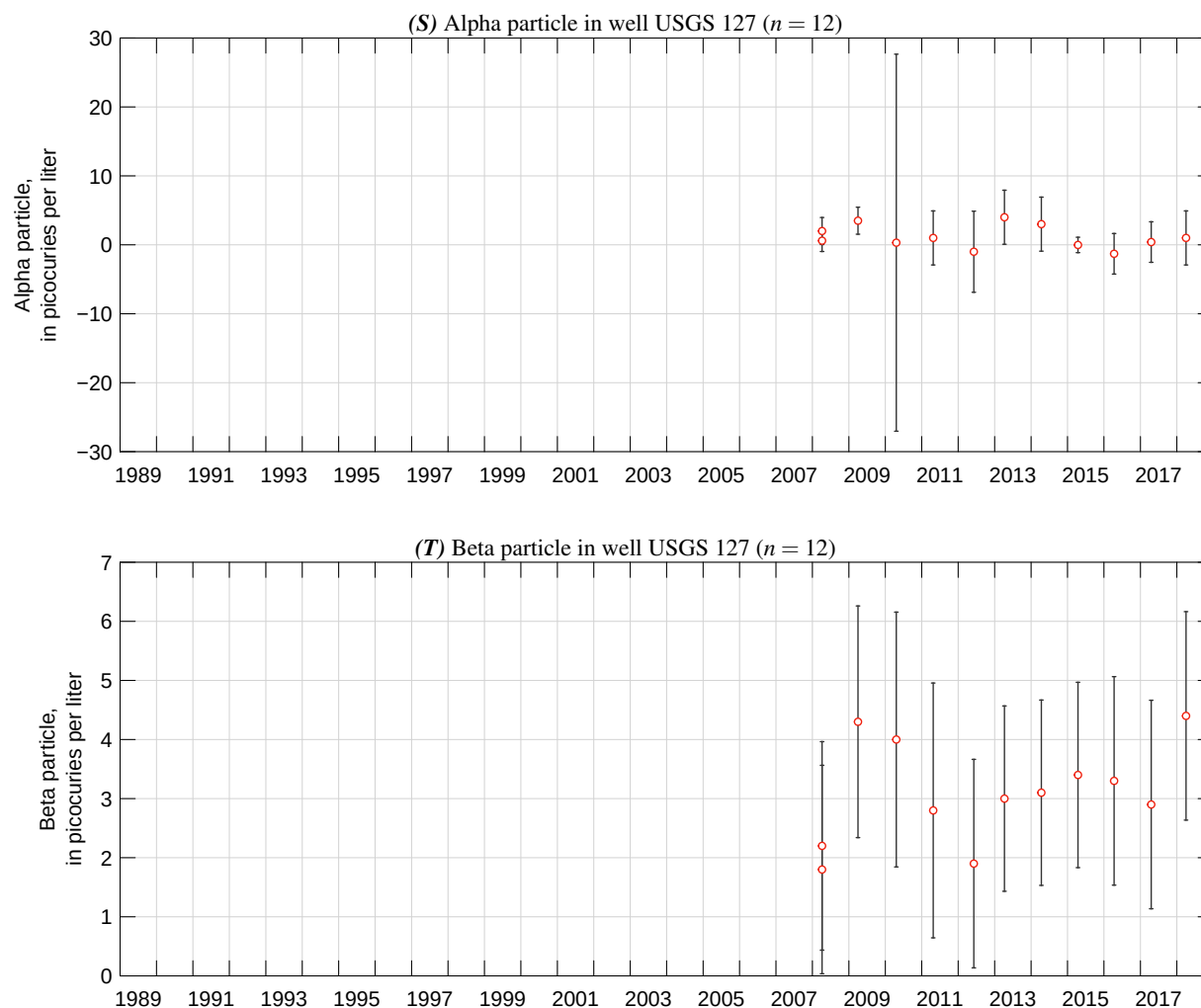


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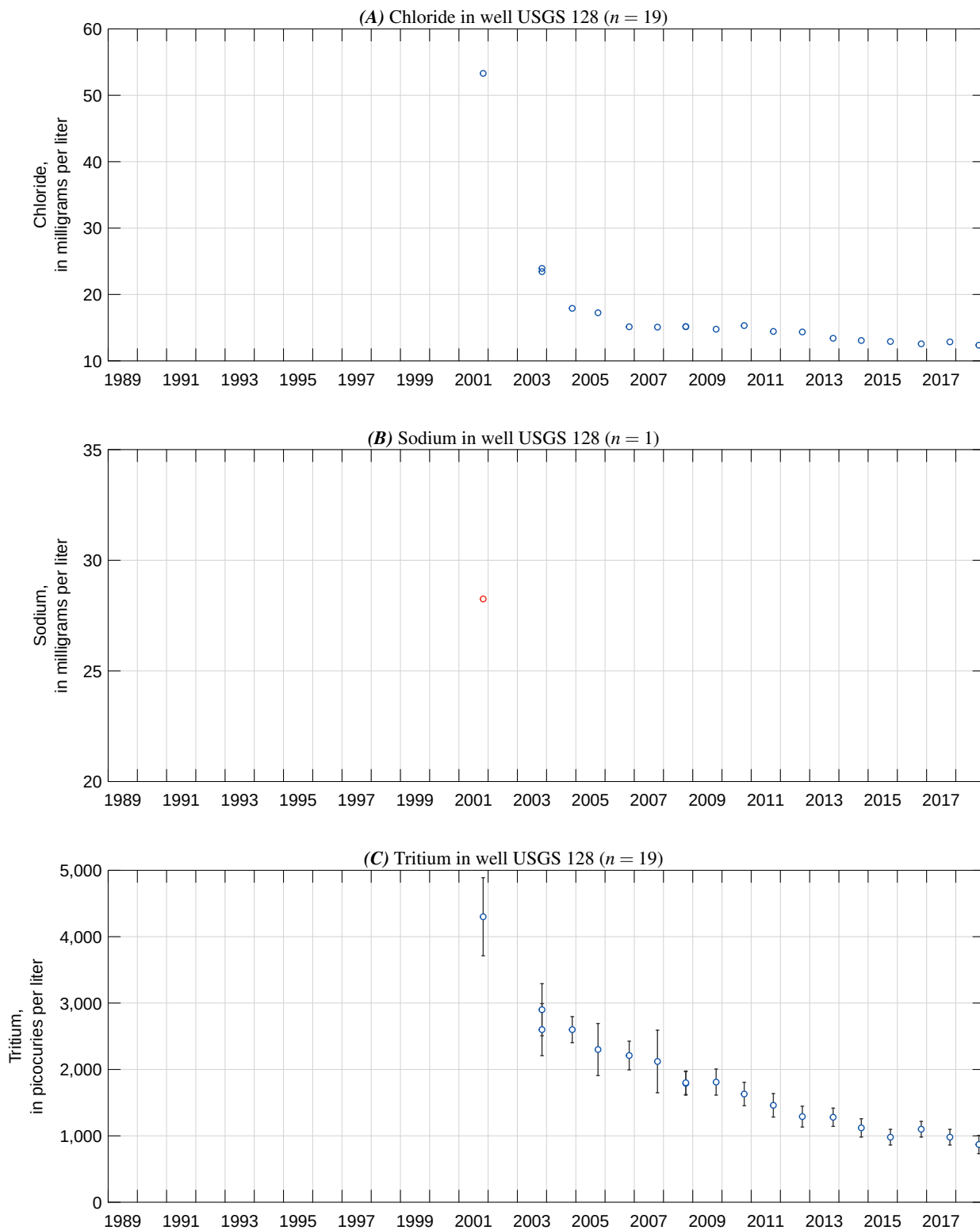


Figure 4.84. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, and (Q) strontium-90 concentrations in water collected from well USGS 128 (Site No. 433250112565601), Idaho National Laboratory, Idaho, 1989–2018.

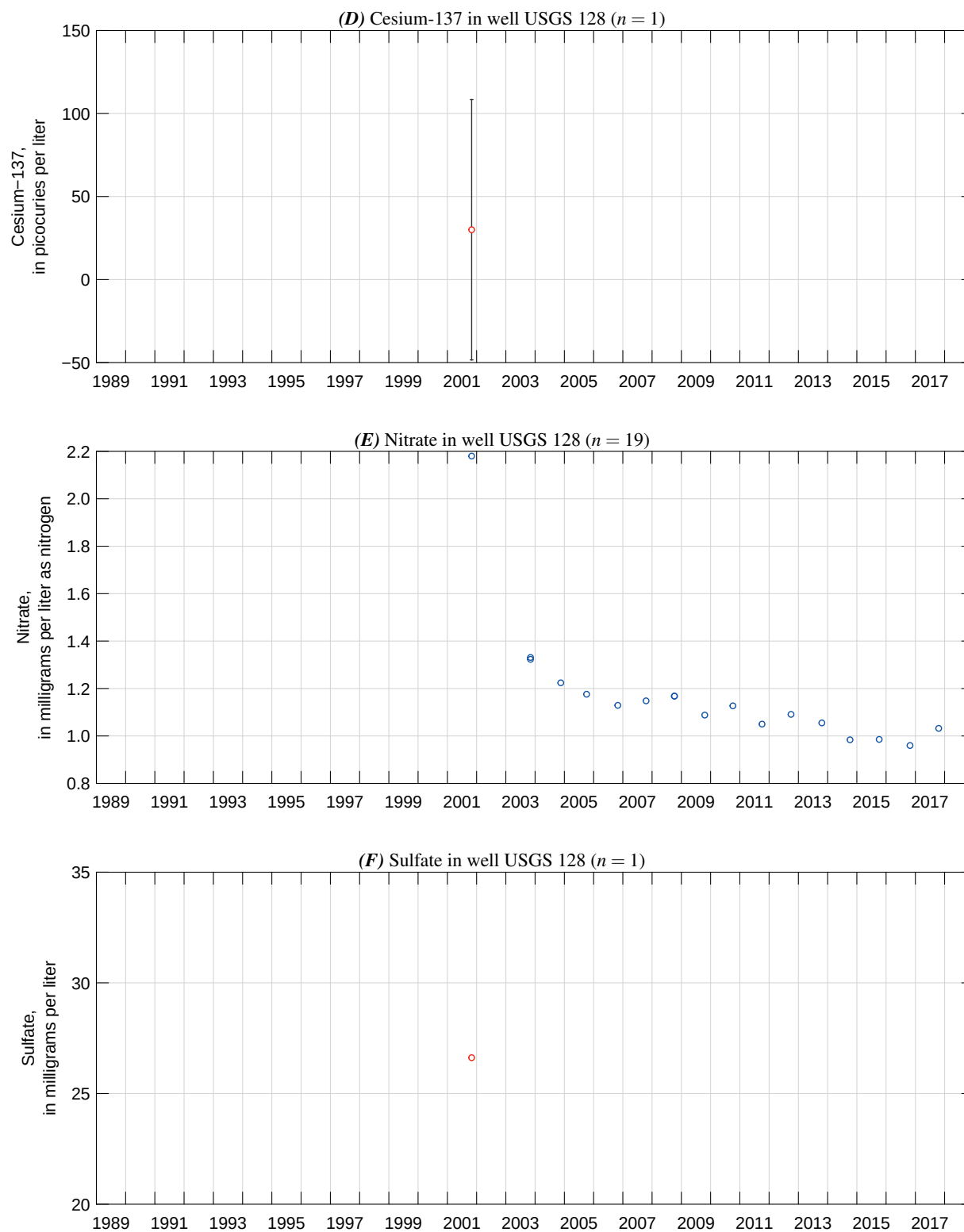


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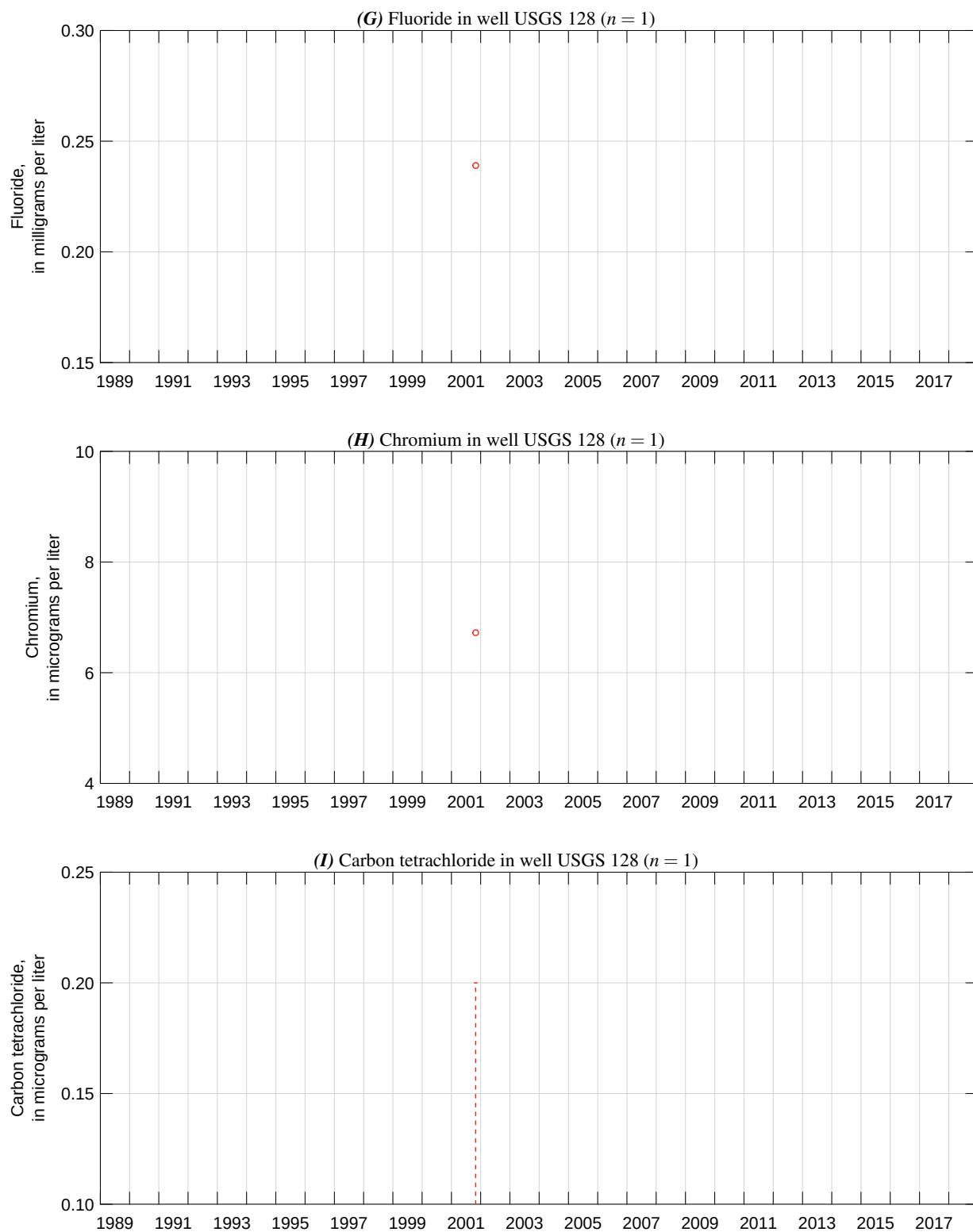
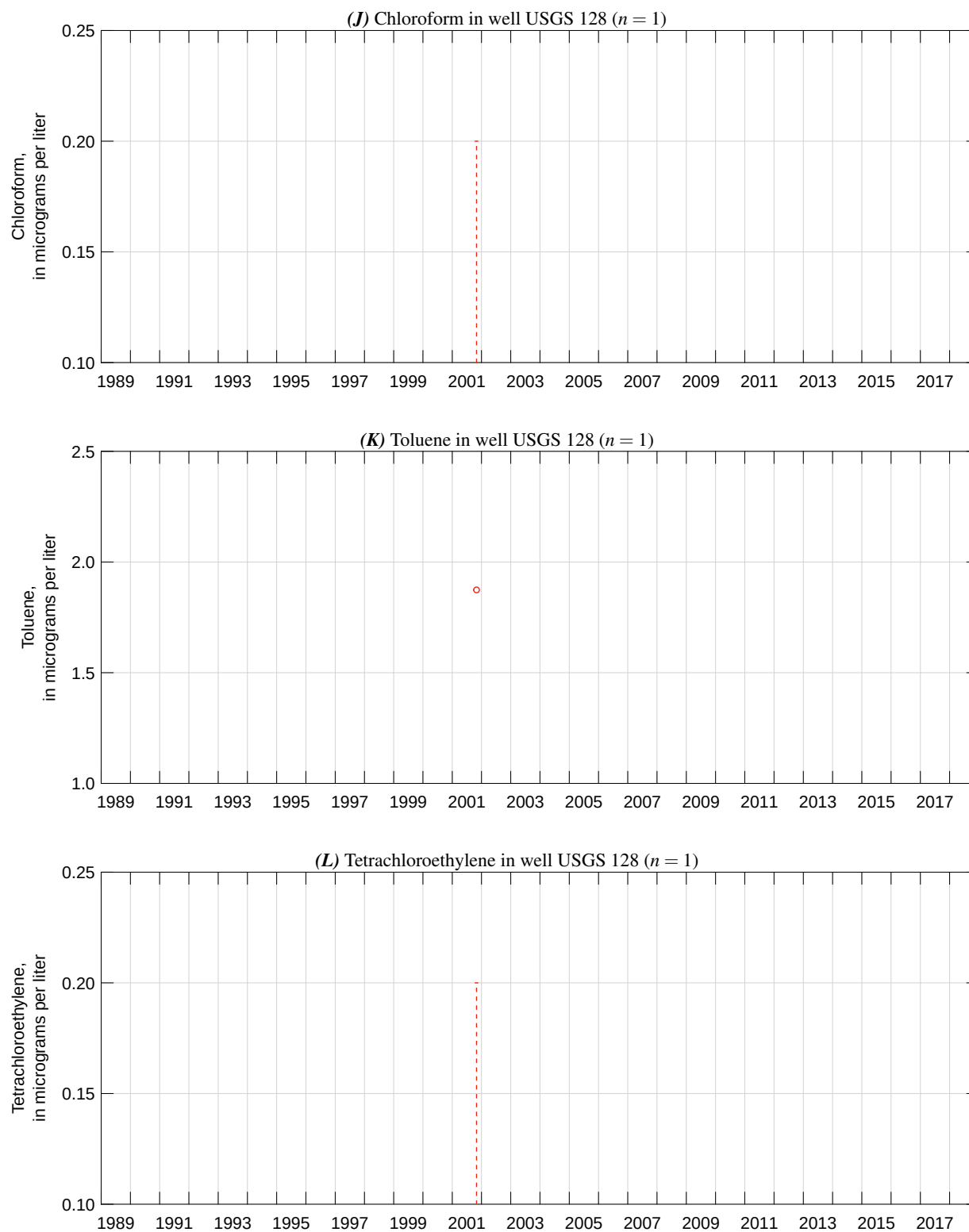


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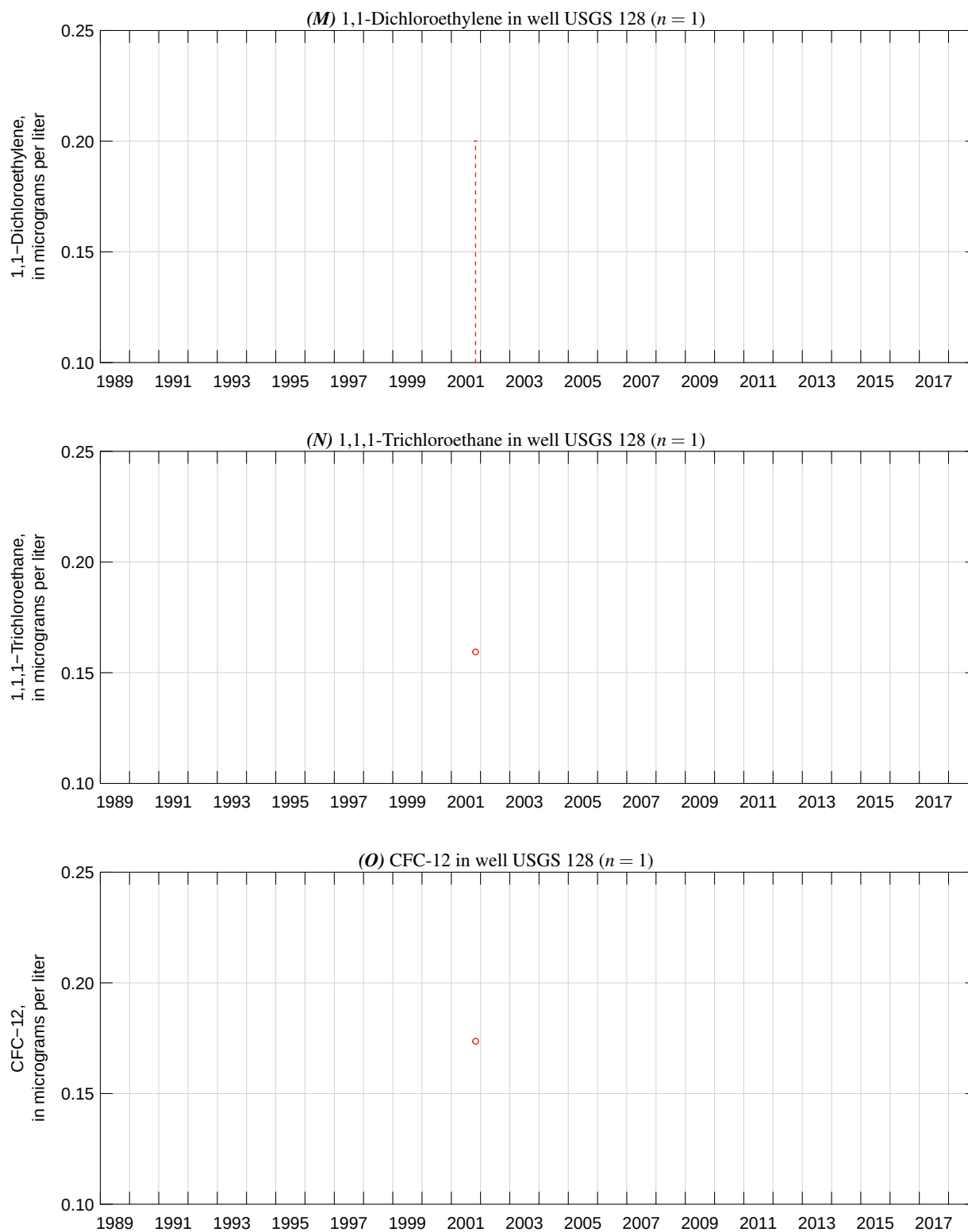


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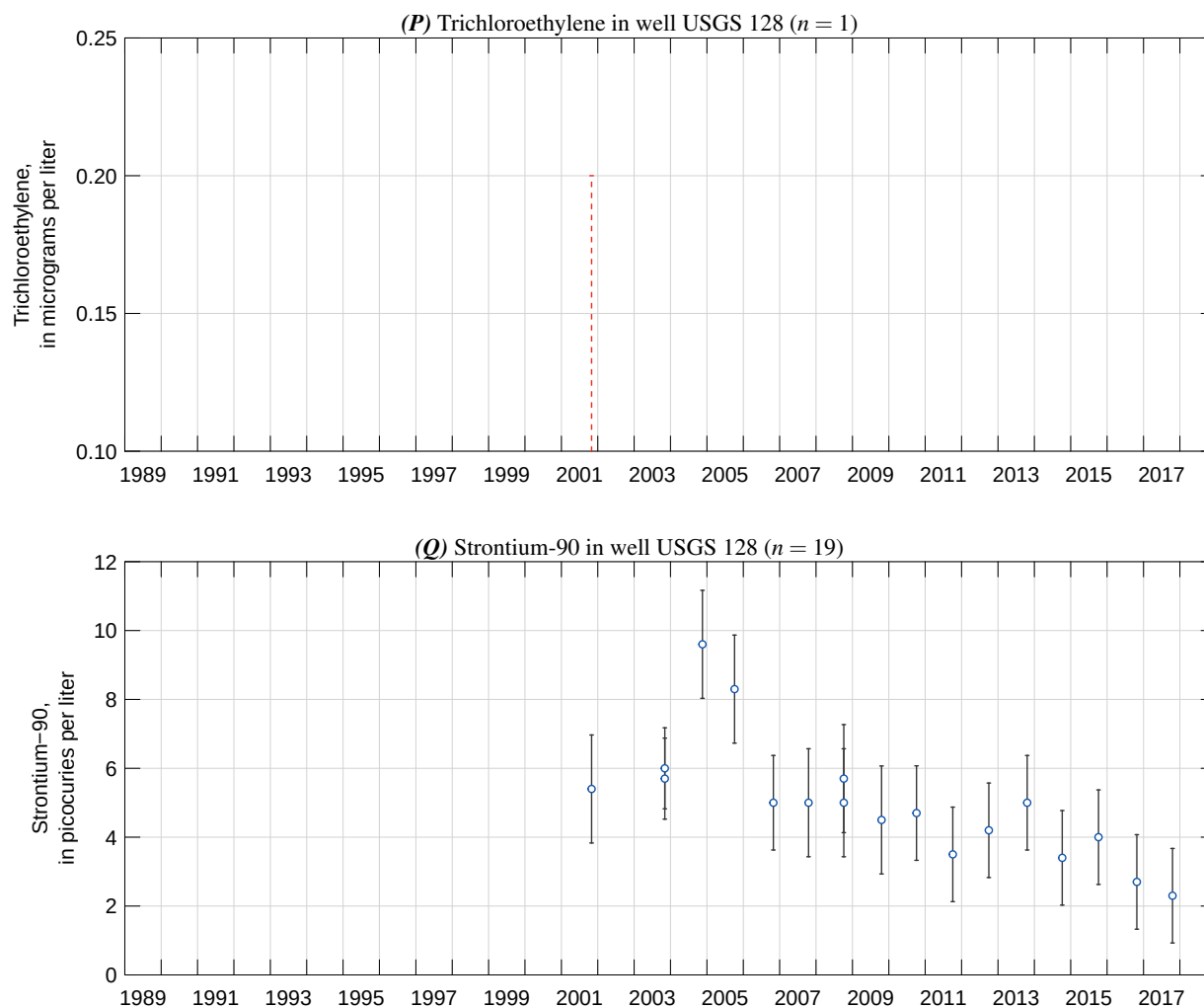


Figure 4.84. —Continued

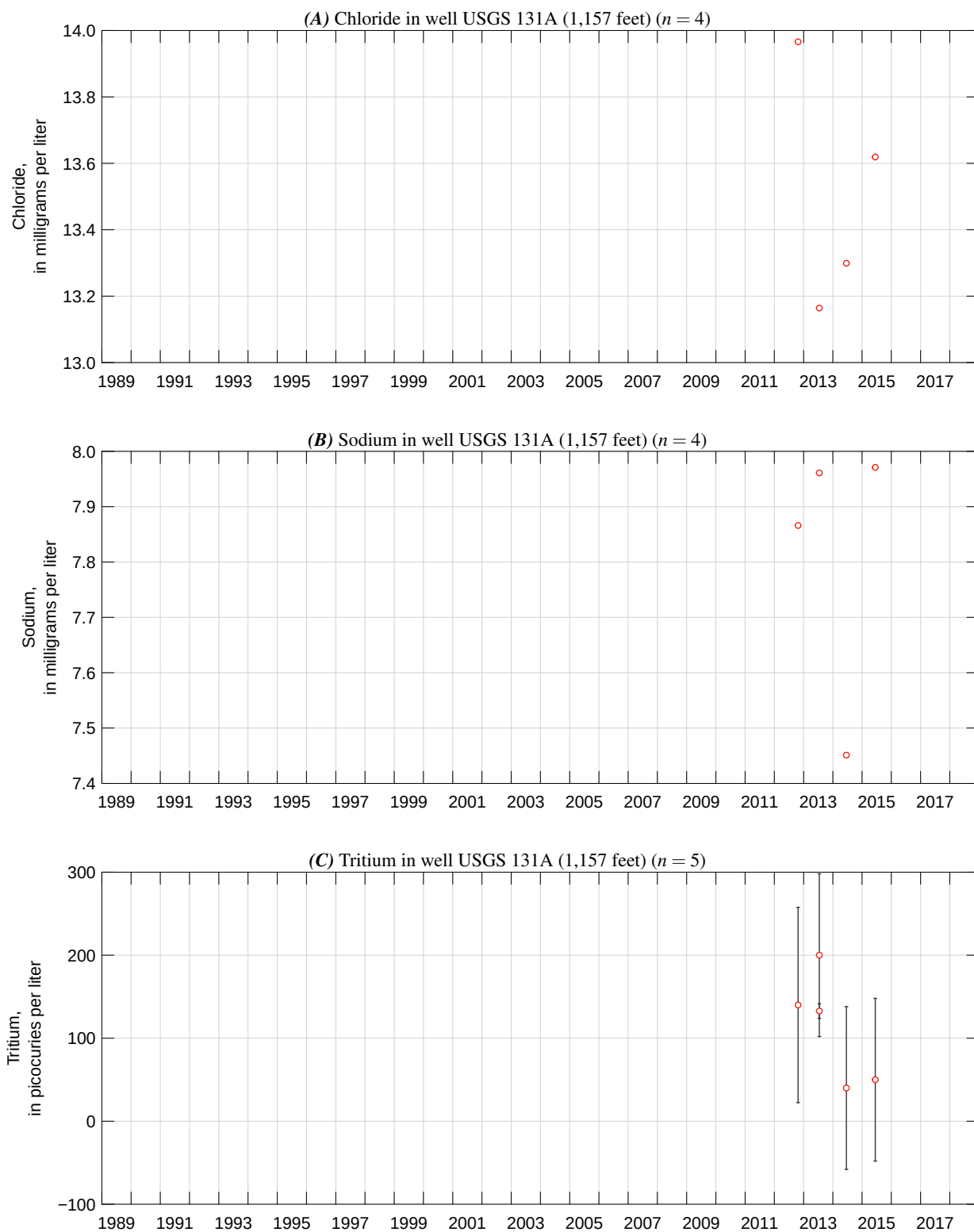


Figure 4.85. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) strontium-90, (J) plutonium-238, (K) alpha particle, and (L) beta particle concentrations in water collected from well USGS 131A (1,157 feet) (Site No. 433036112581803), Idaho National Laboratory, Idaho, 1989–2018.

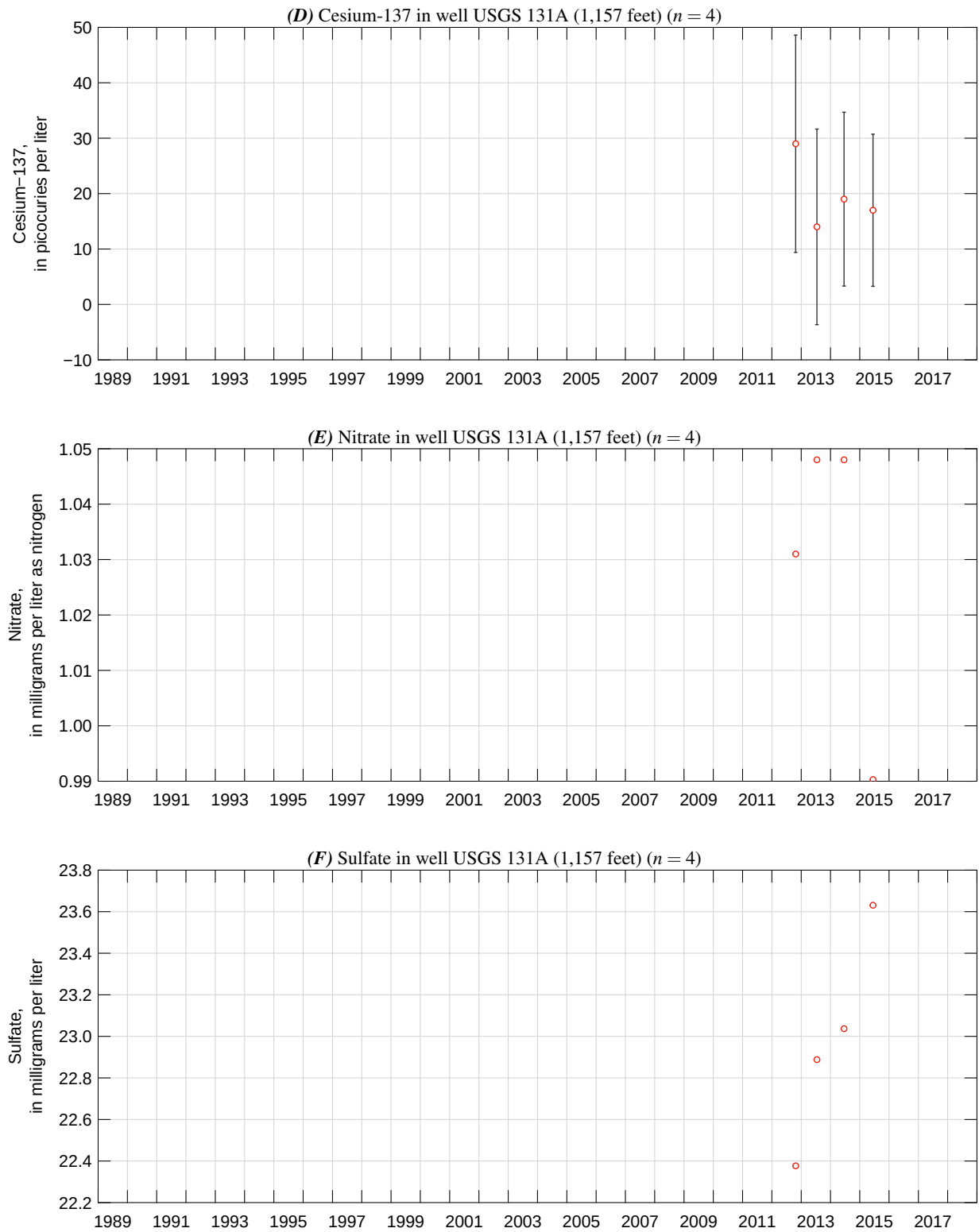


Figure 4.85. —Continued

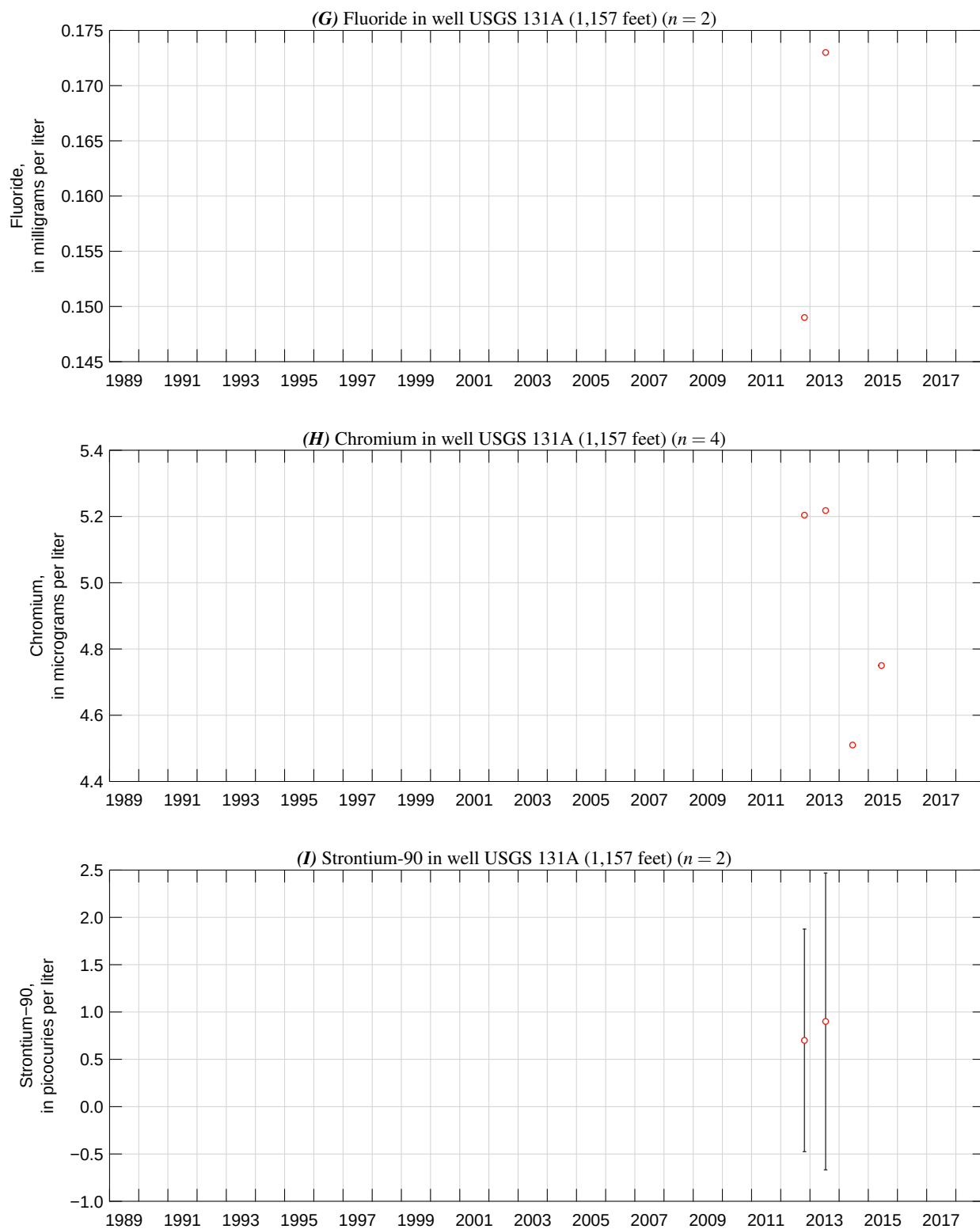


Figure 4.85. —Continued

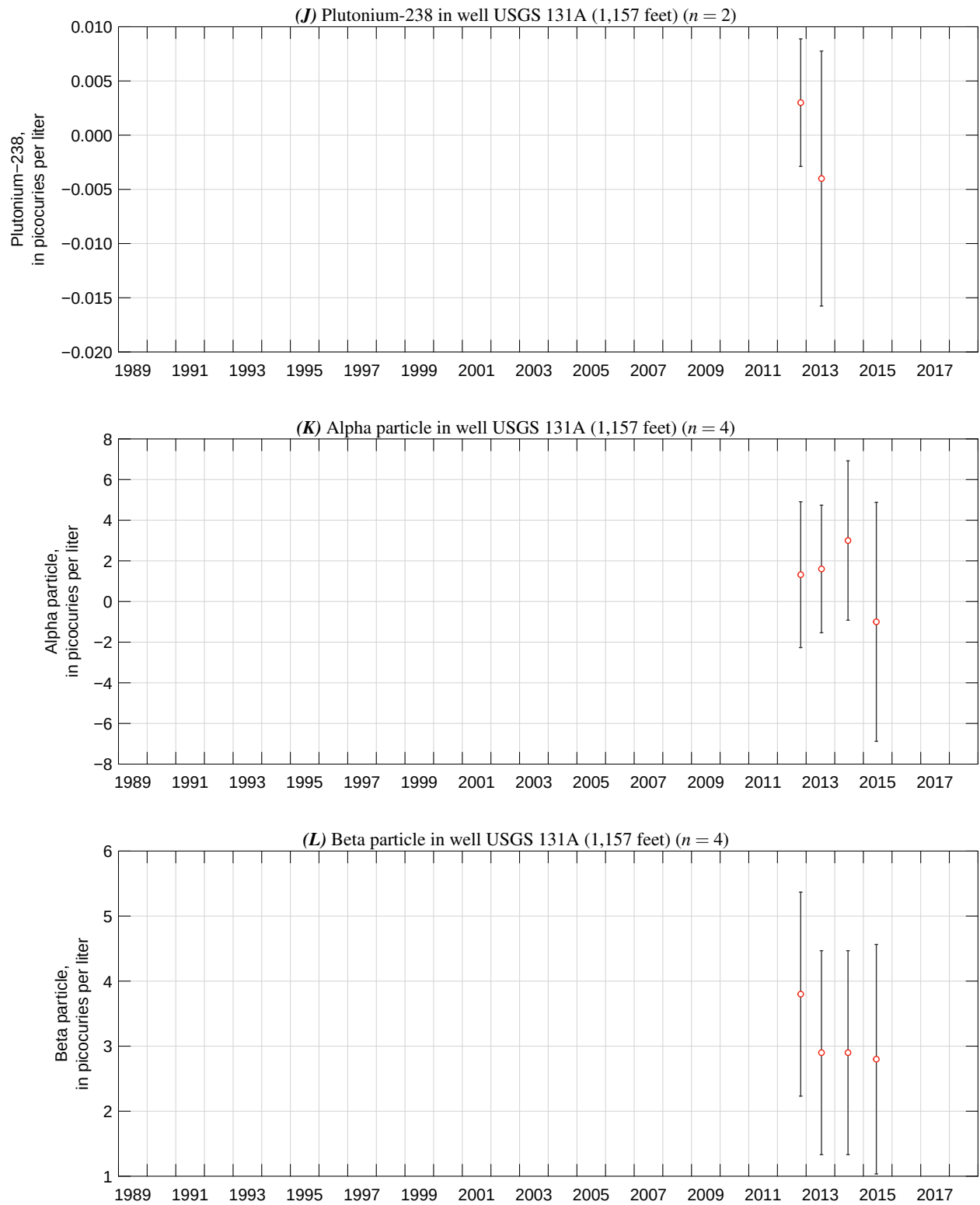


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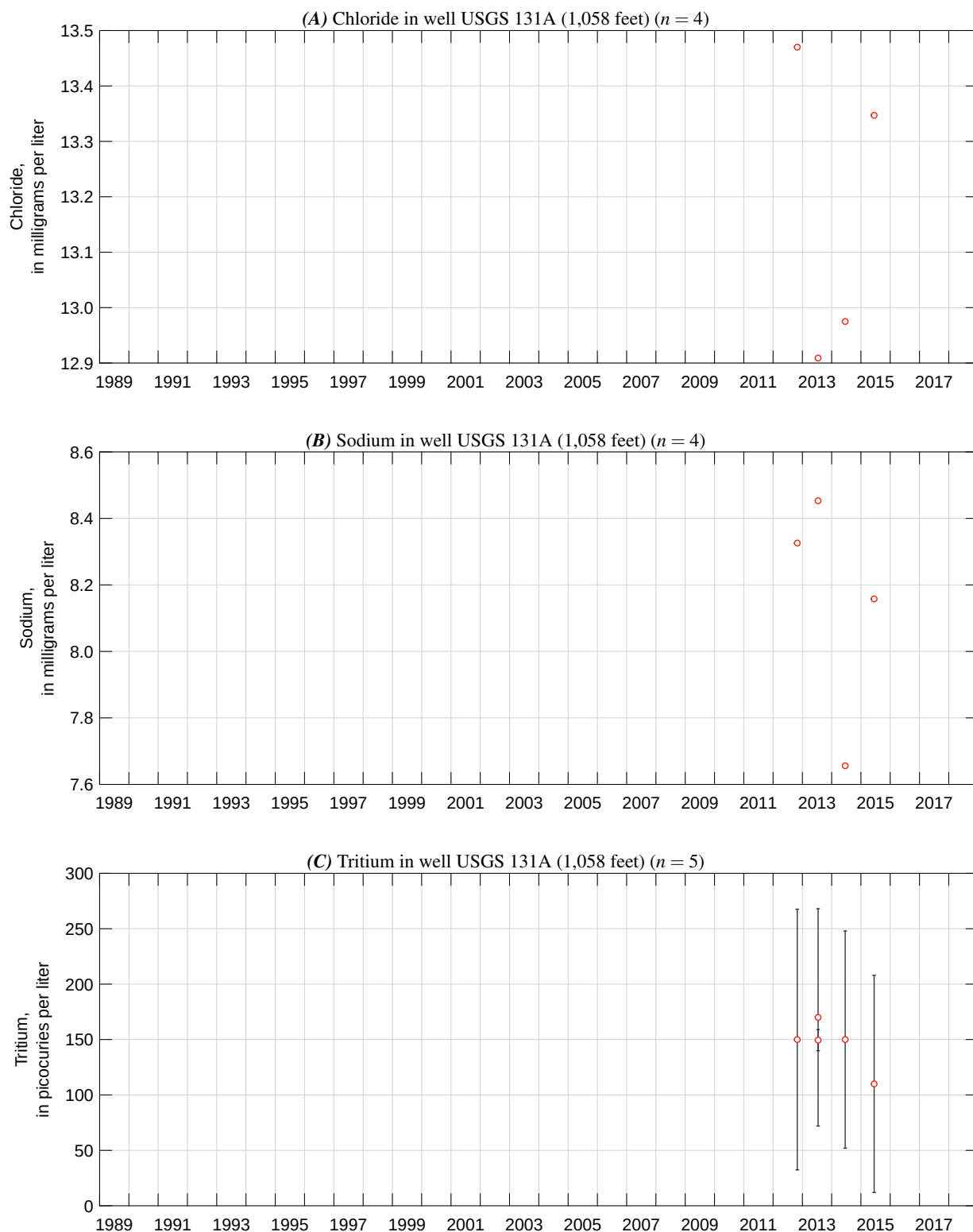


Figure 4.86. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, (R) plutonium-238, (S) alpha particle, and (T) beta particle concentrations in water collected from well USGS 131A (1,058 feet) (Site No. 433036112581806), Idaho National Laboratory, Idaho, 1989–2018.

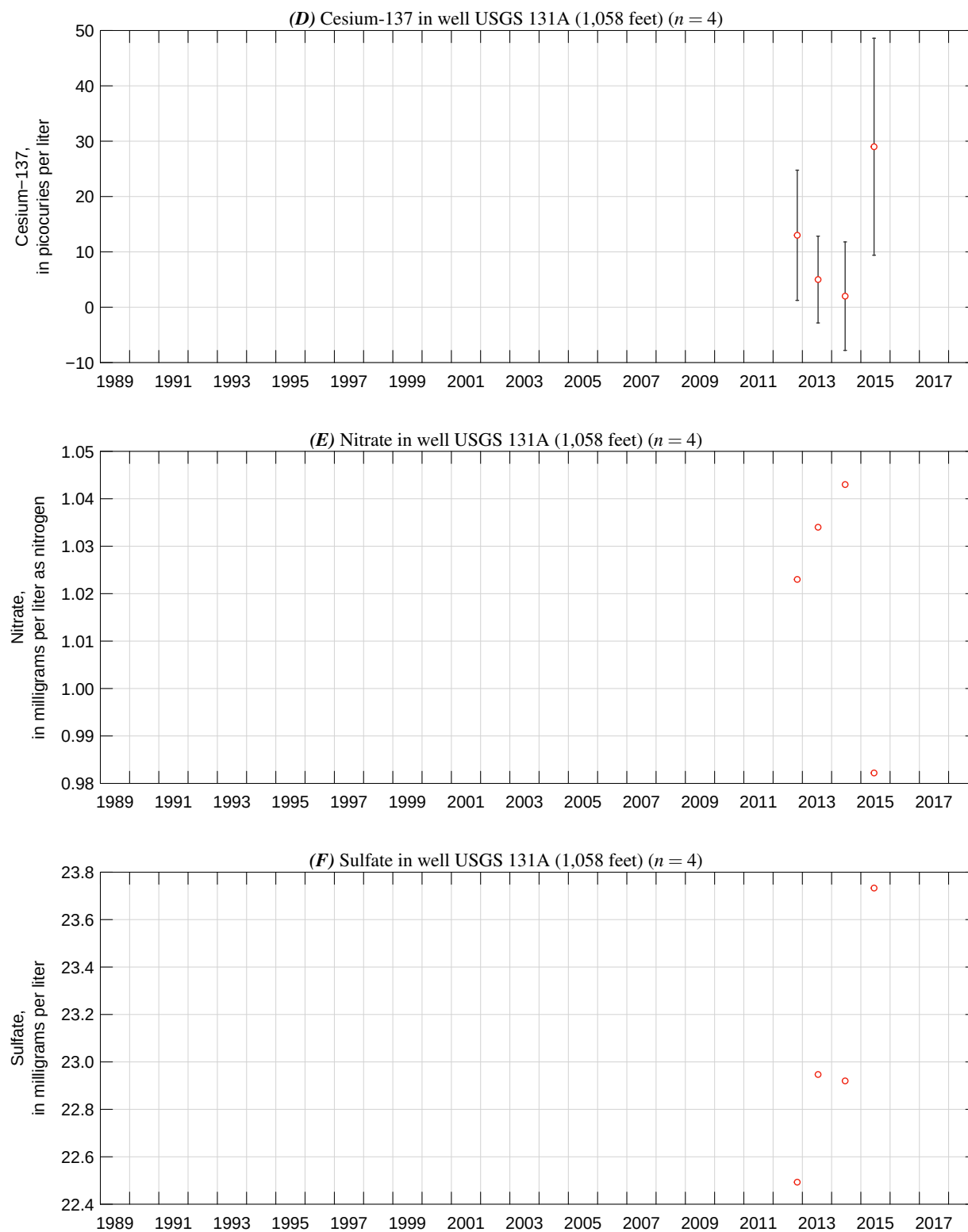


Figure 4.86. —Continued

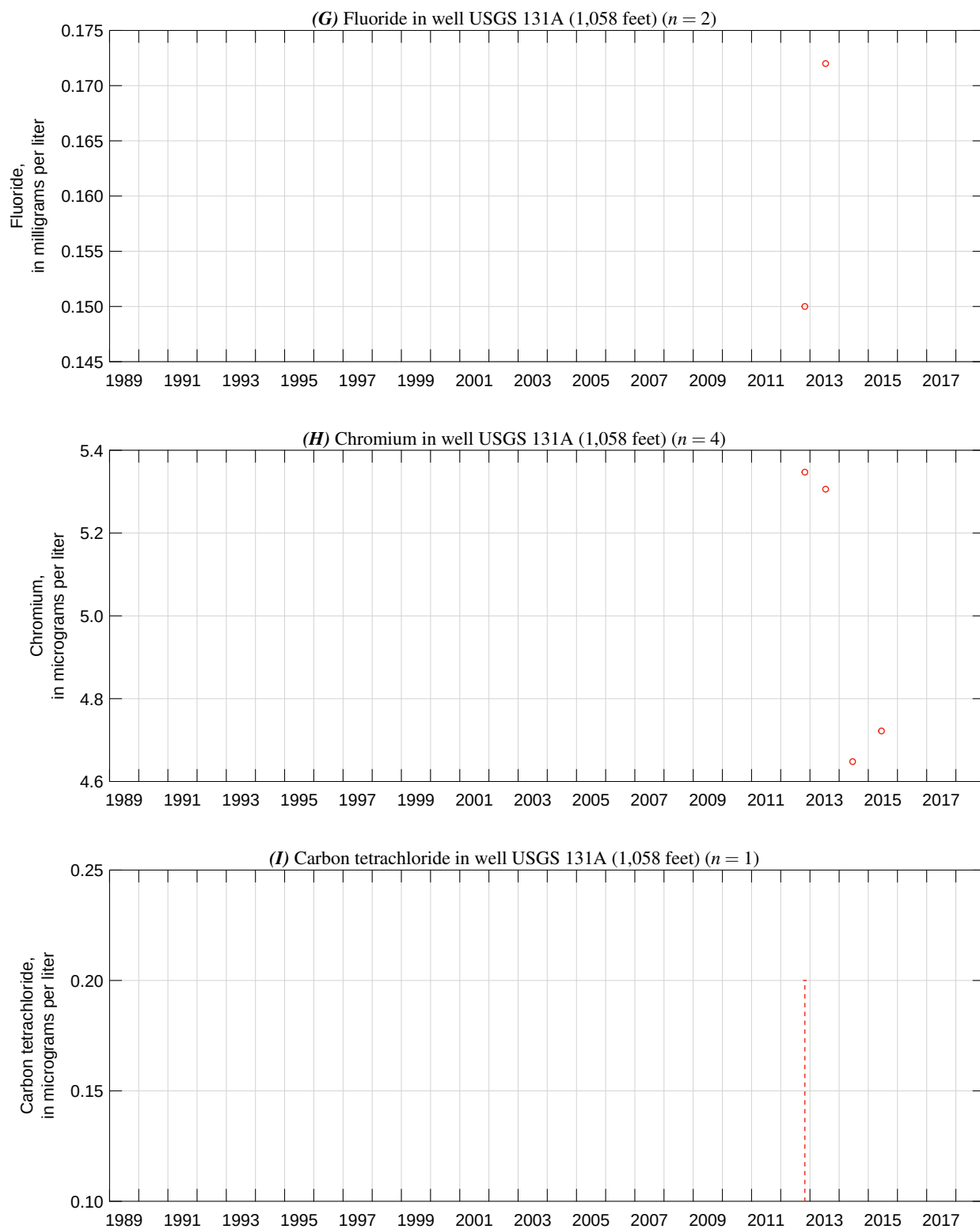


Figure 4.86. —Continued

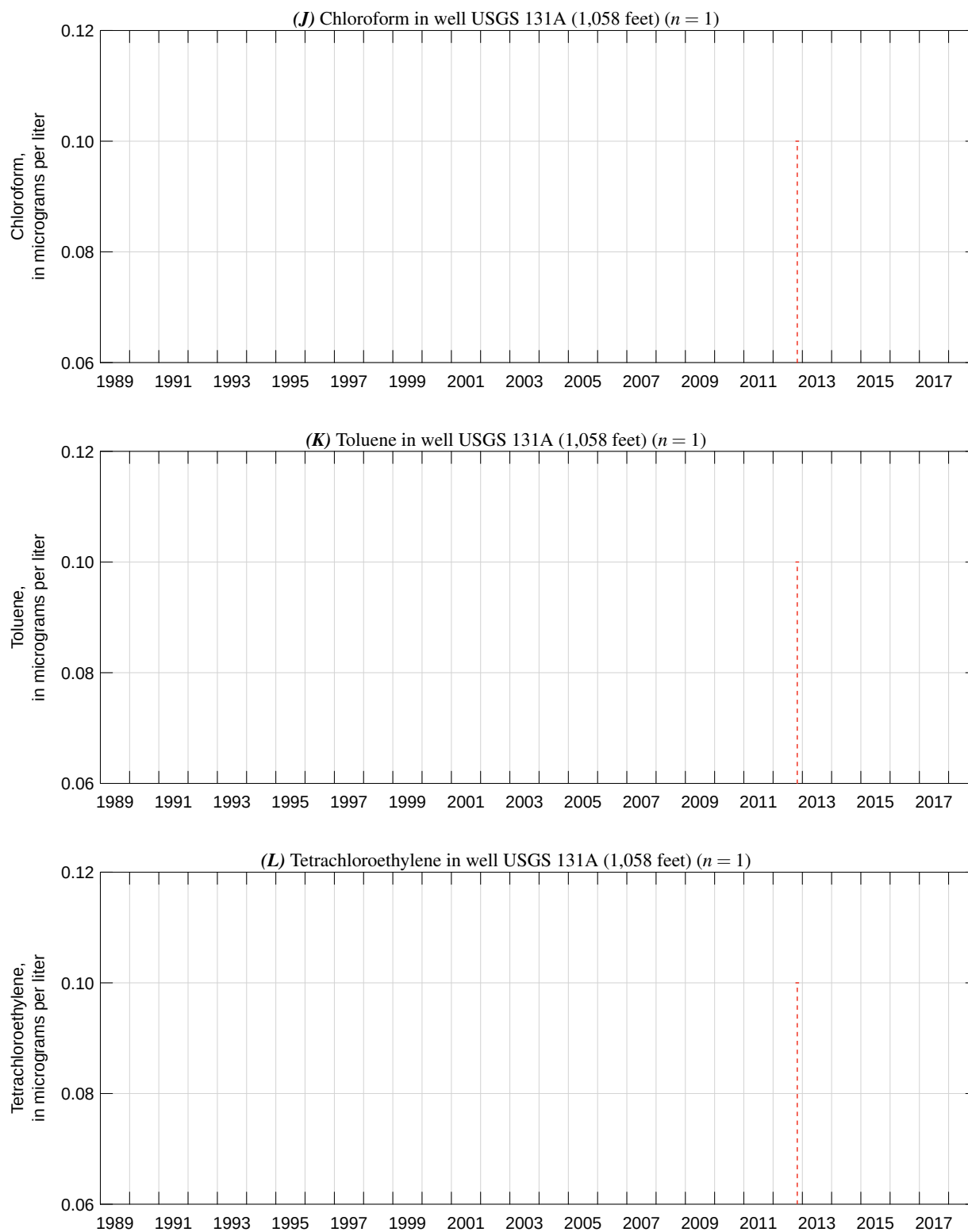


Figure 4.86. —Continued

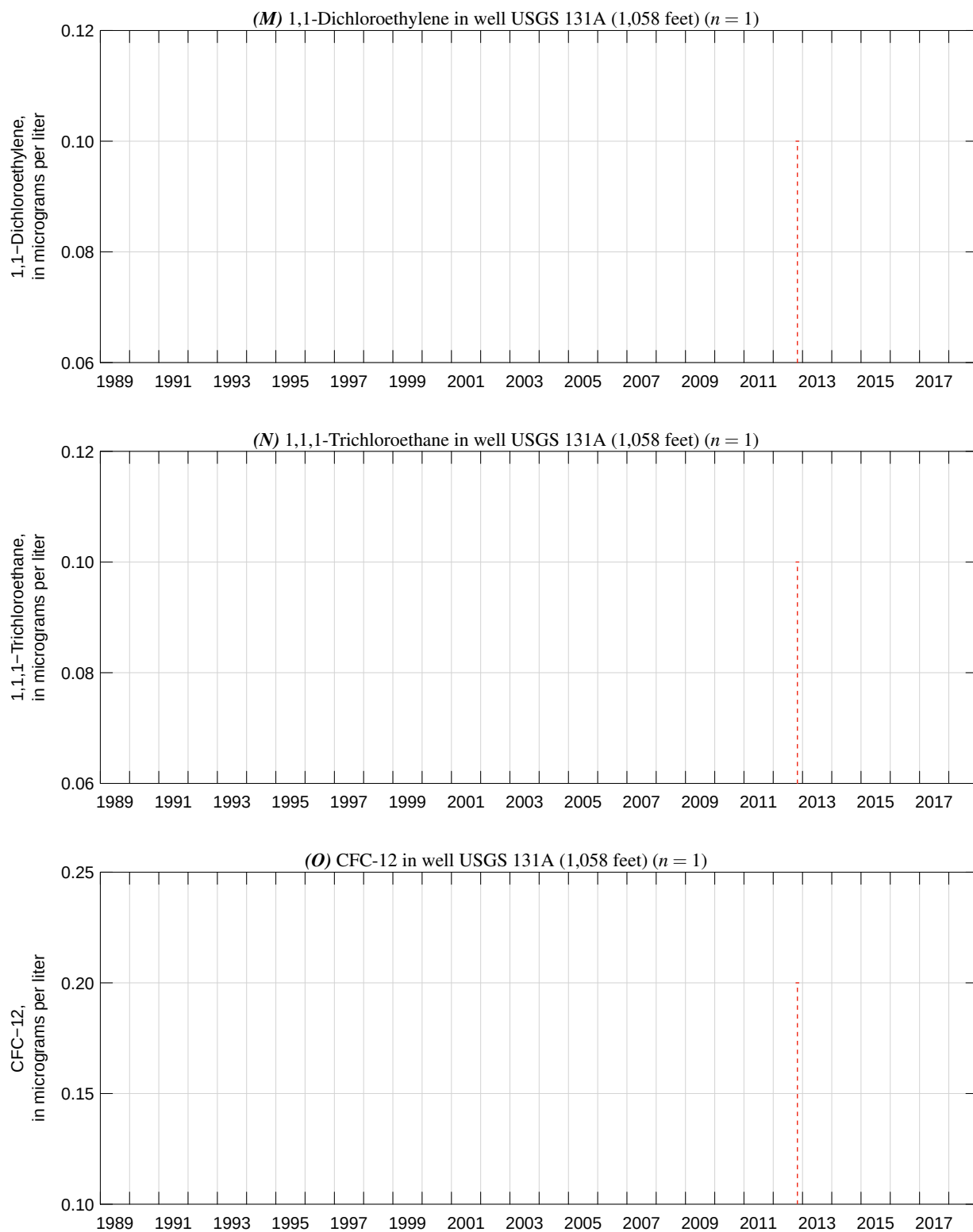


Figure 4.86. —Continued

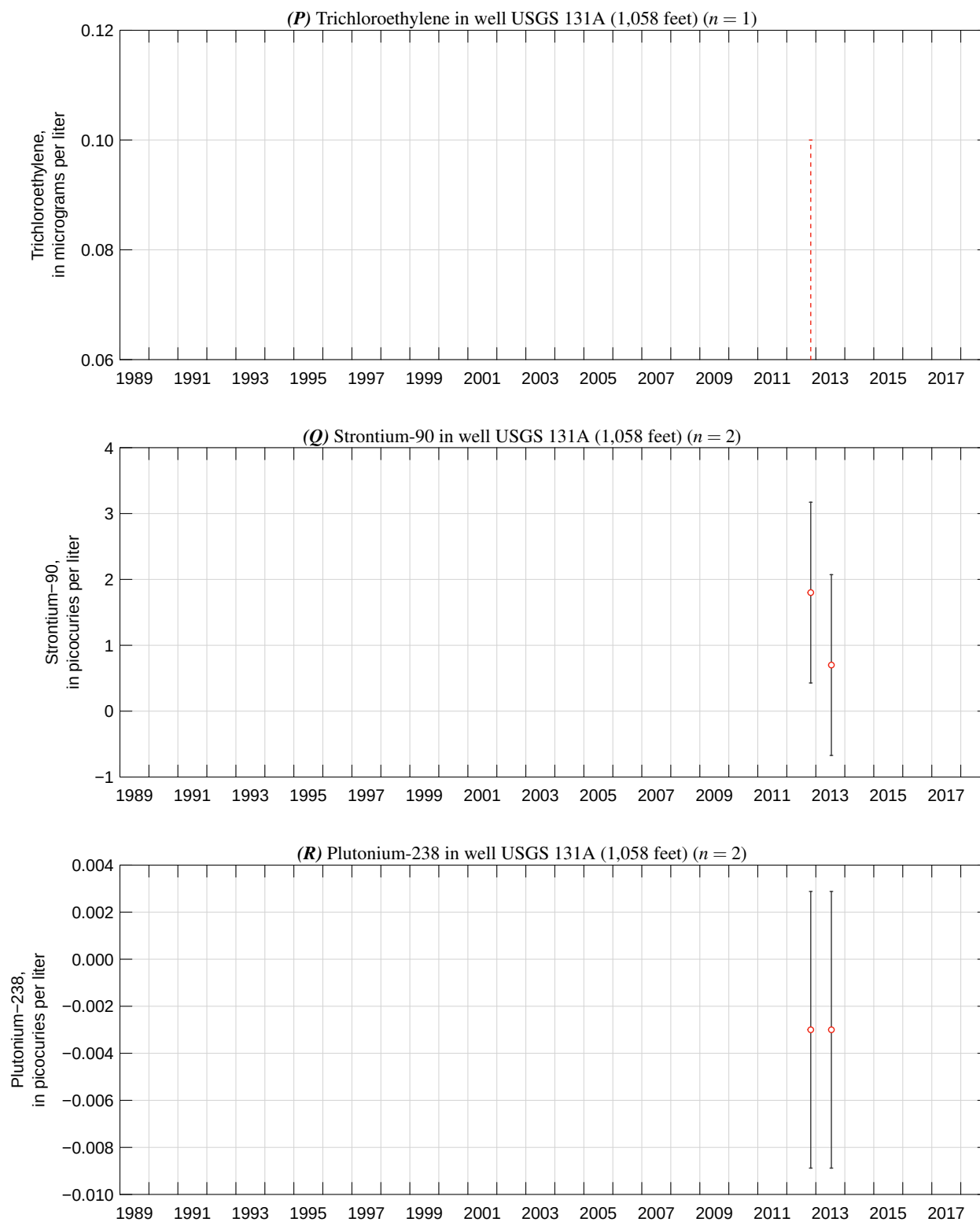


Figure 4.86. —Continued

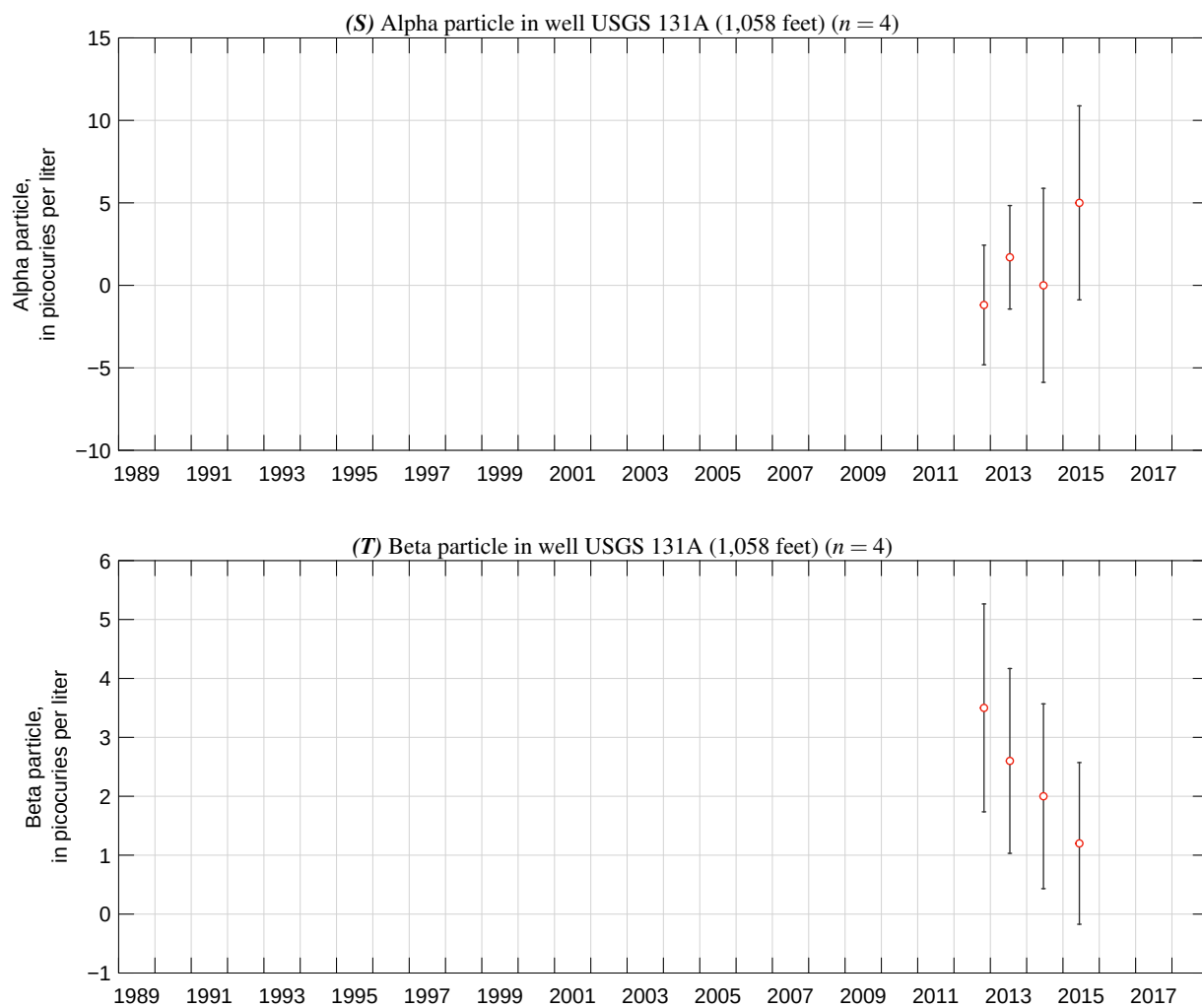


Figure 4.86. —Continued

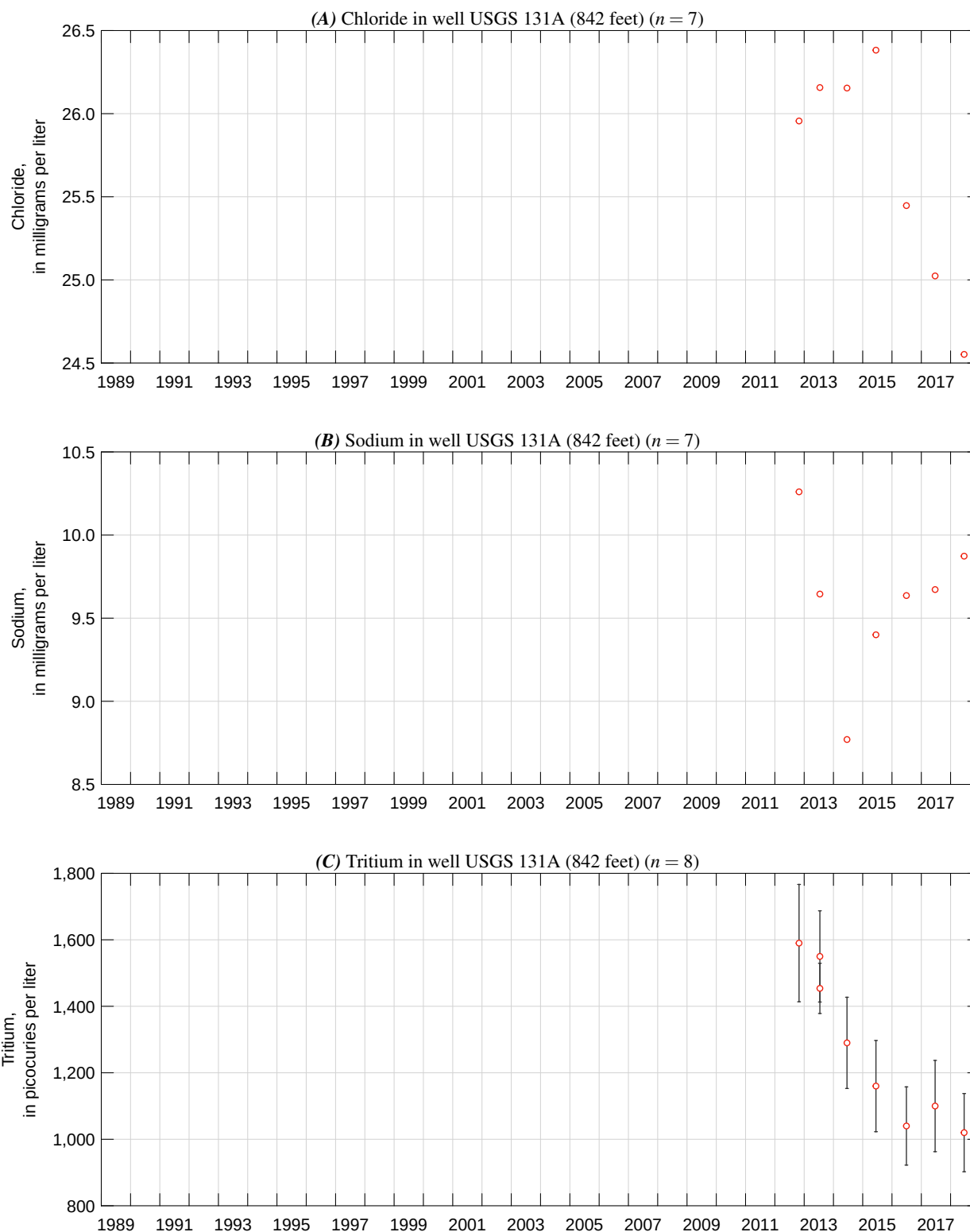


Figure 4.87. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, (R) plutonium-238, (S) alpha particle, and (T) beta particle concentrations in water collected from well USGS 131A (842 feet) (Site No. 433036112581810), Idaho National Laboratory, Idaho, 1989–2018.

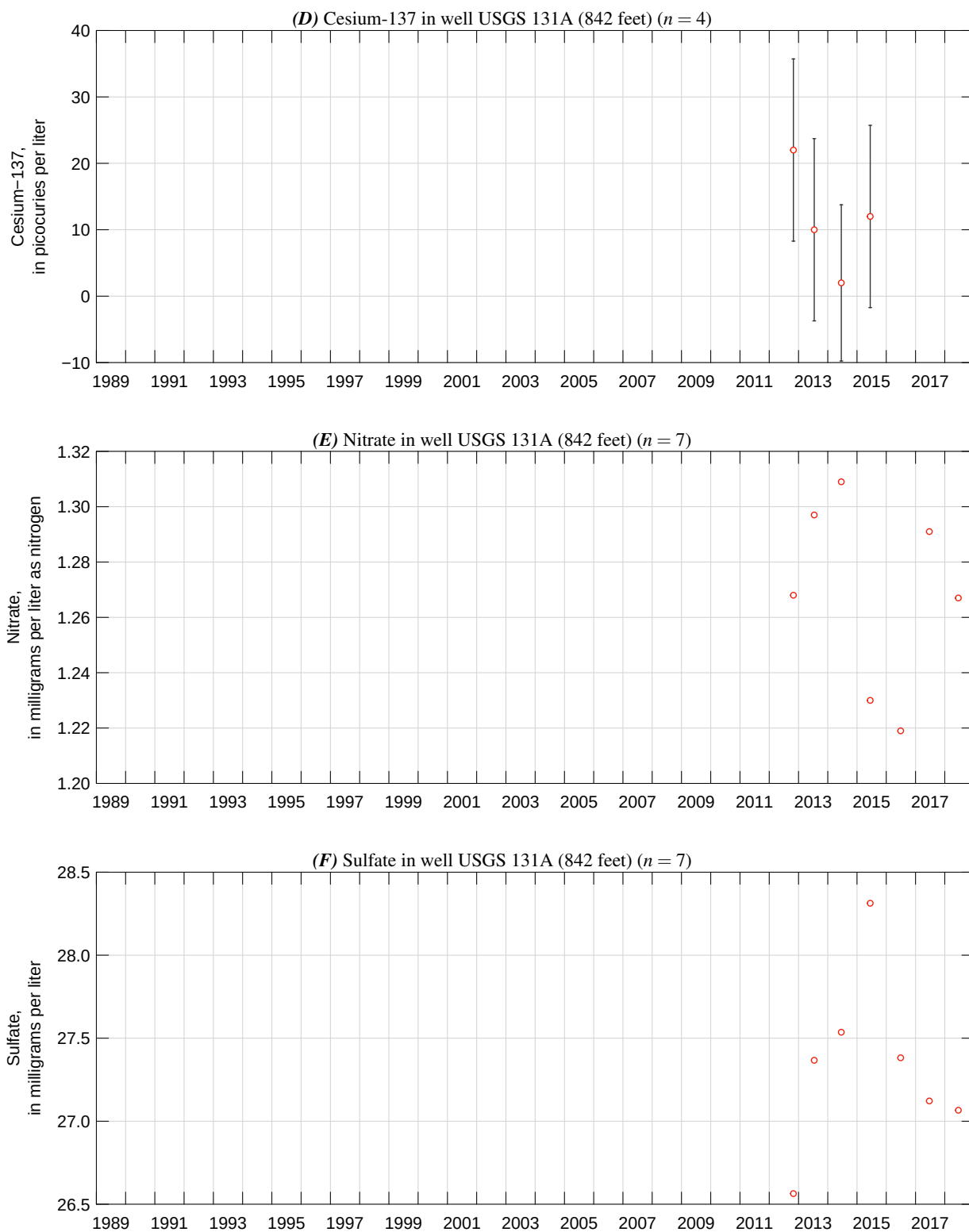


Figure 4.87. —Continued

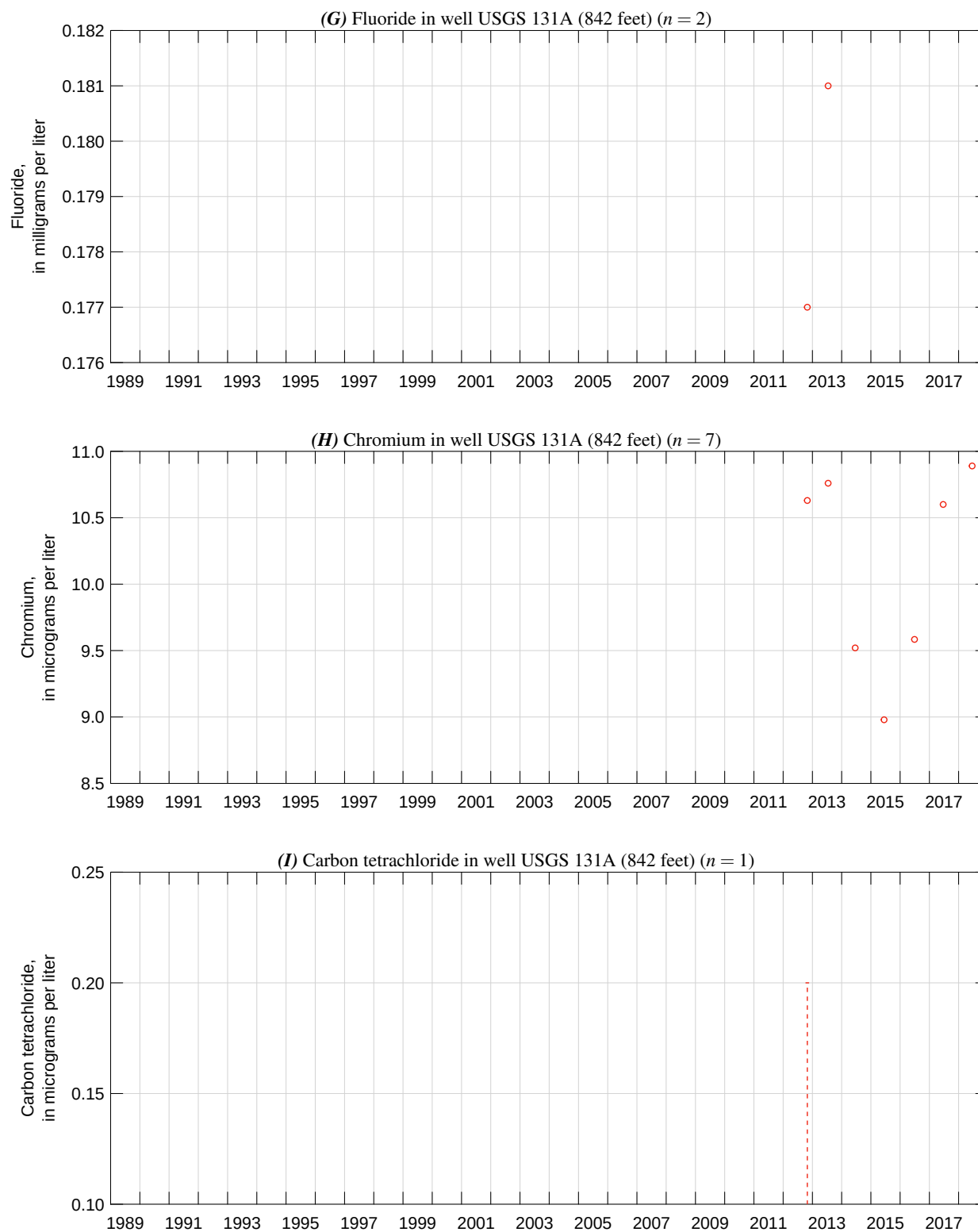


Figure 4.87. —Continued

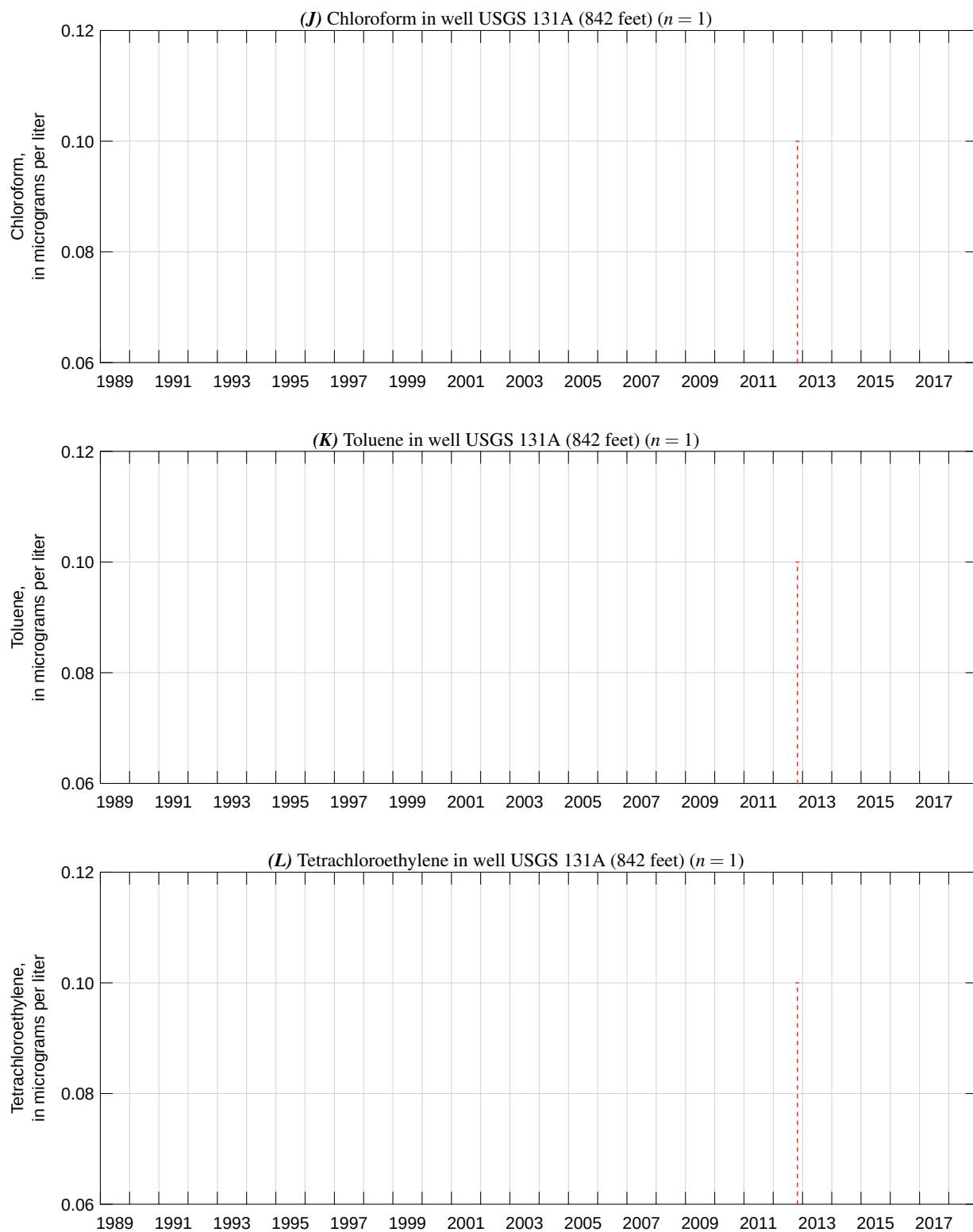


Figure 4.87. —Continued

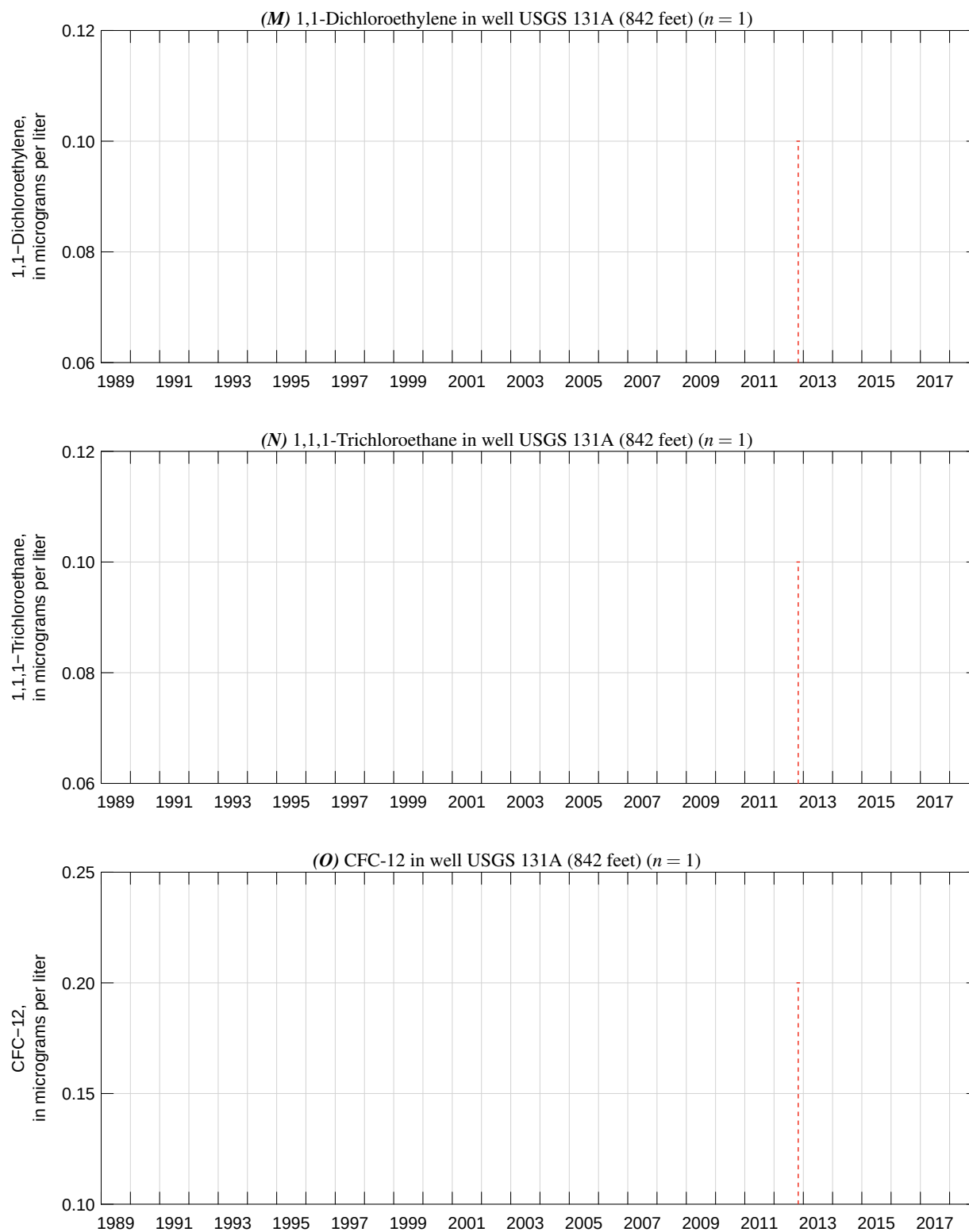


Figure 4.87. —Continued

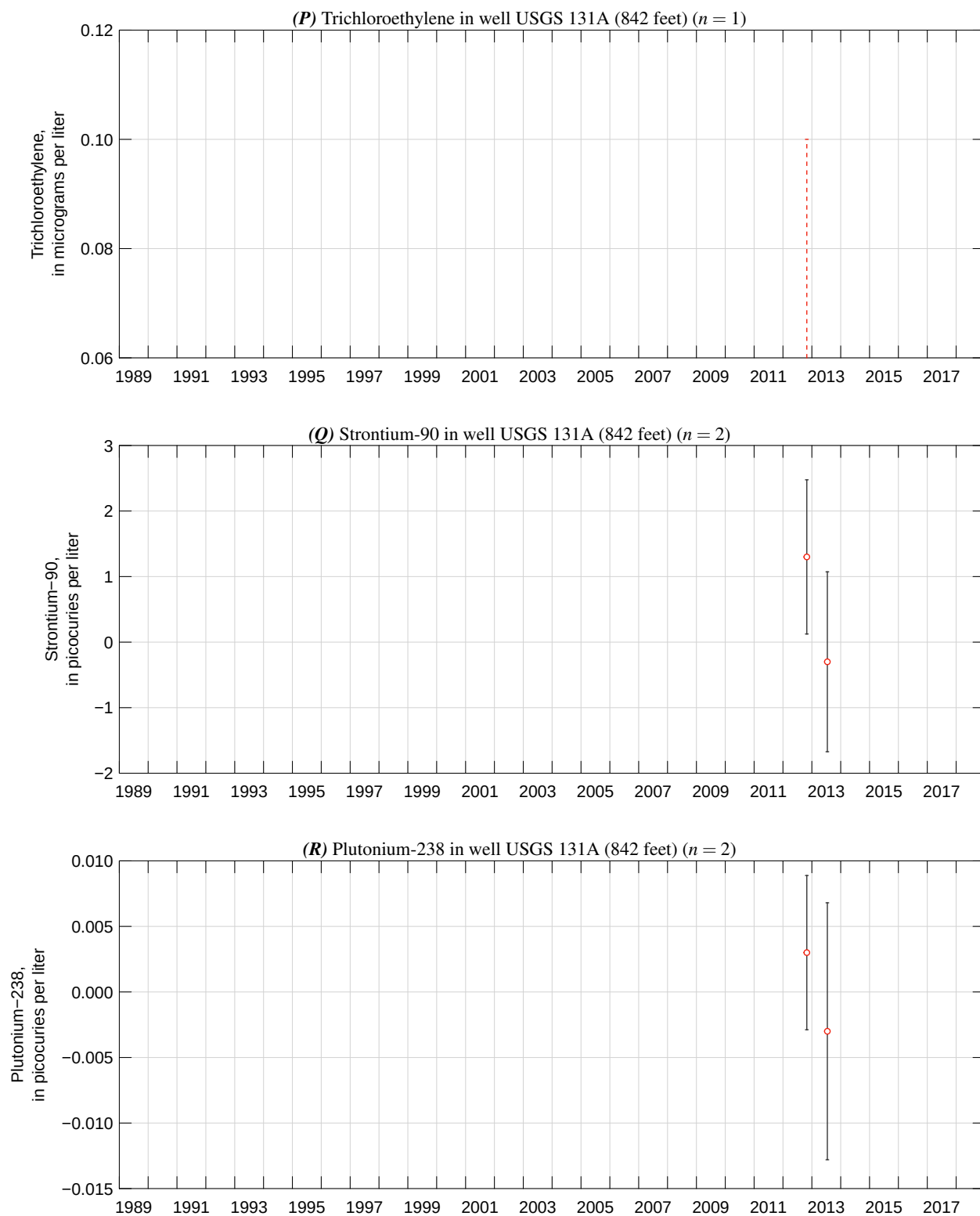


Figure 4.87. —Continued

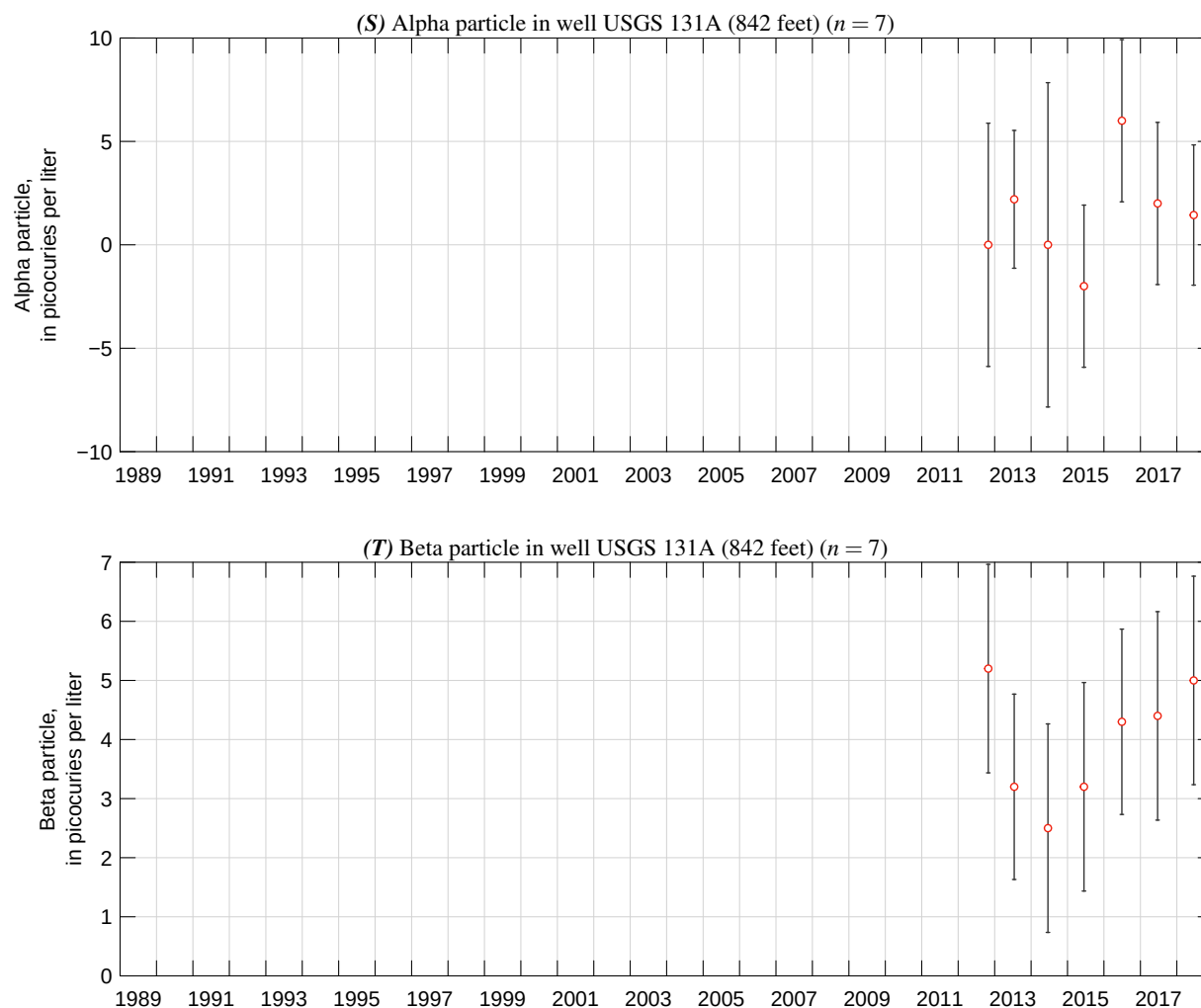


Figure 4.87. —Continued

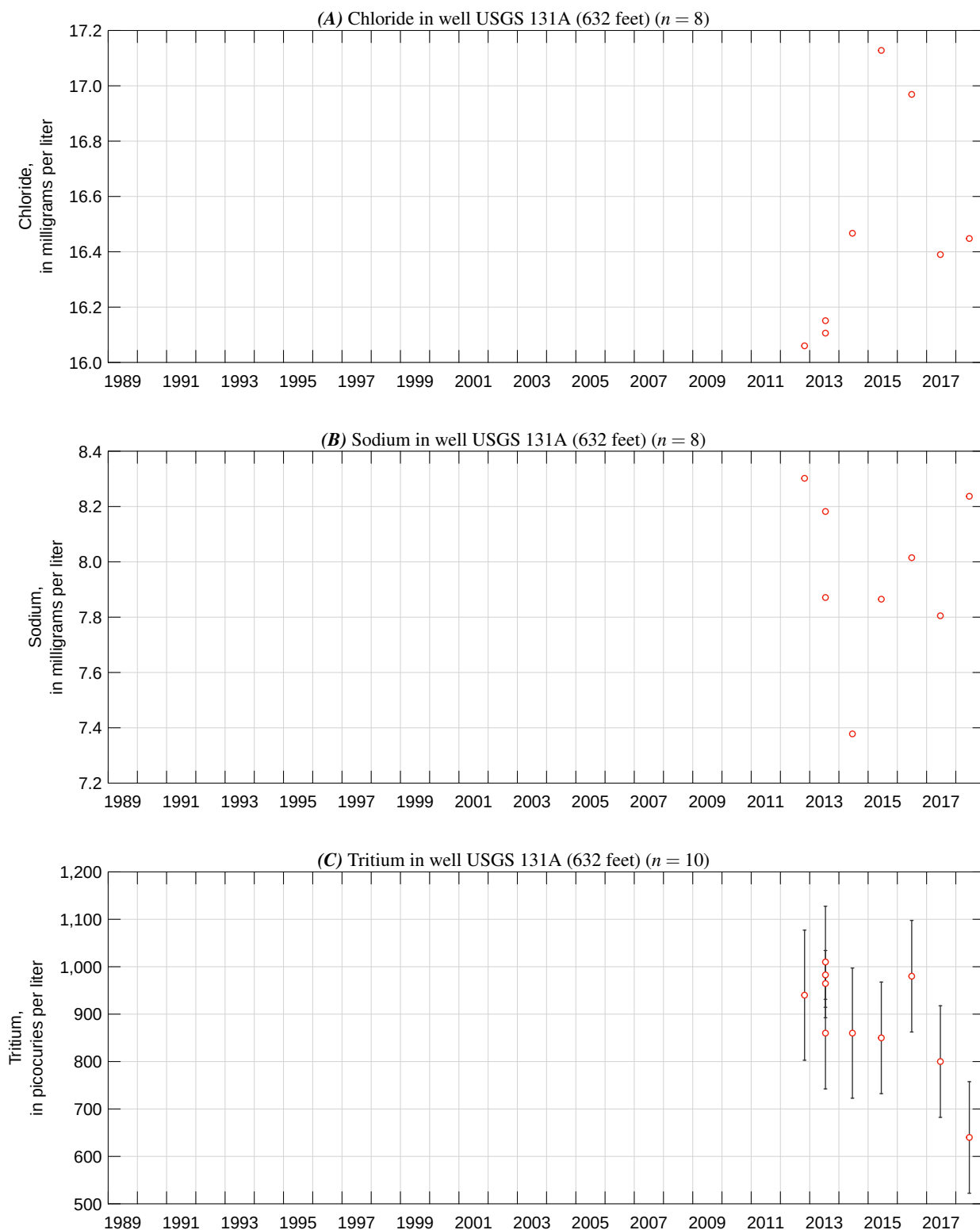


Figure 4.88. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, (R) plutonium-238, (S) alpha particle, and (T) beta particle concentrations in water collected from well USGS 131A (632 feet) (Site No. 433036112581815), Idaho National Laboratory, Idaho, 1989–2018.

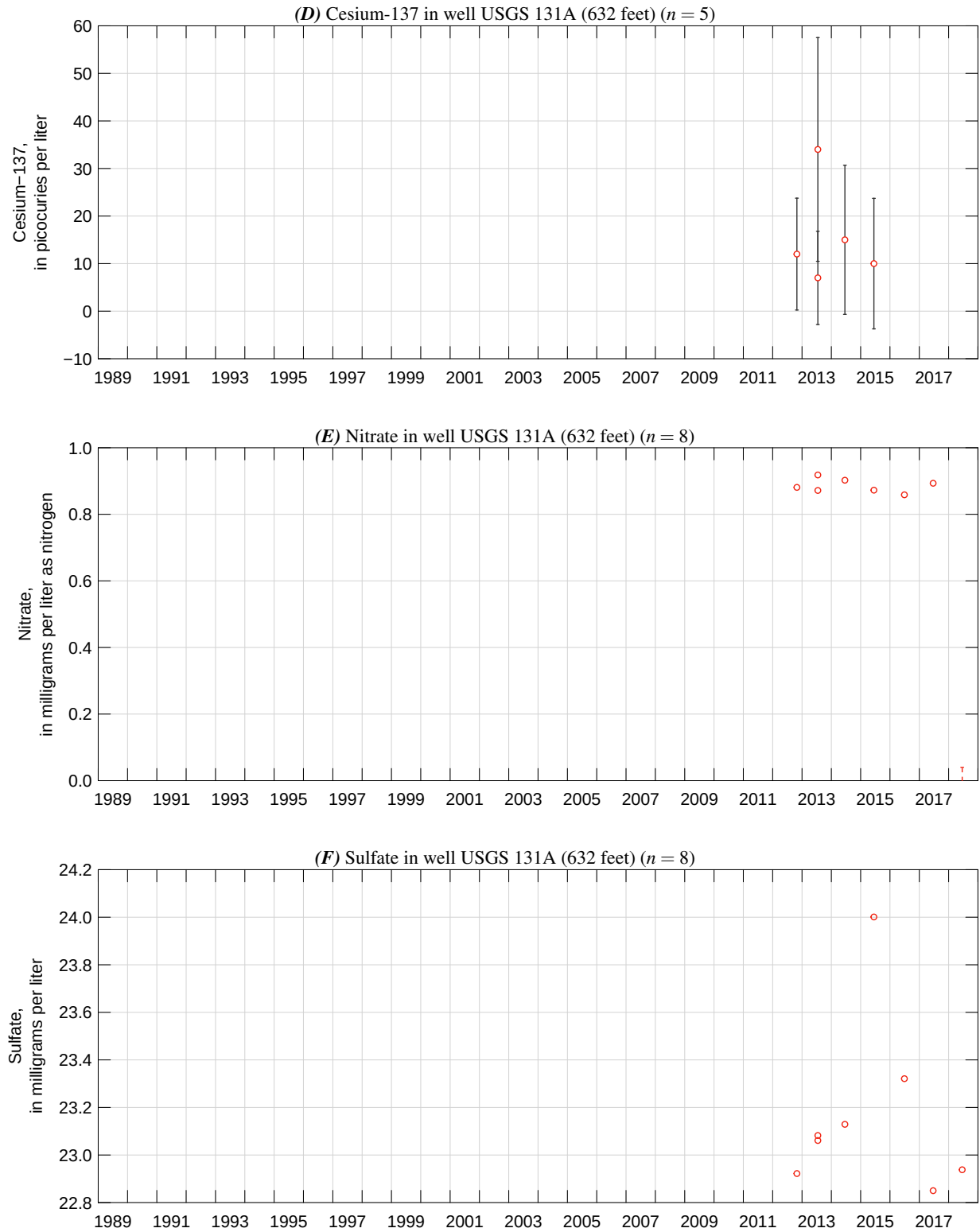


Figure 4.88. —Continued

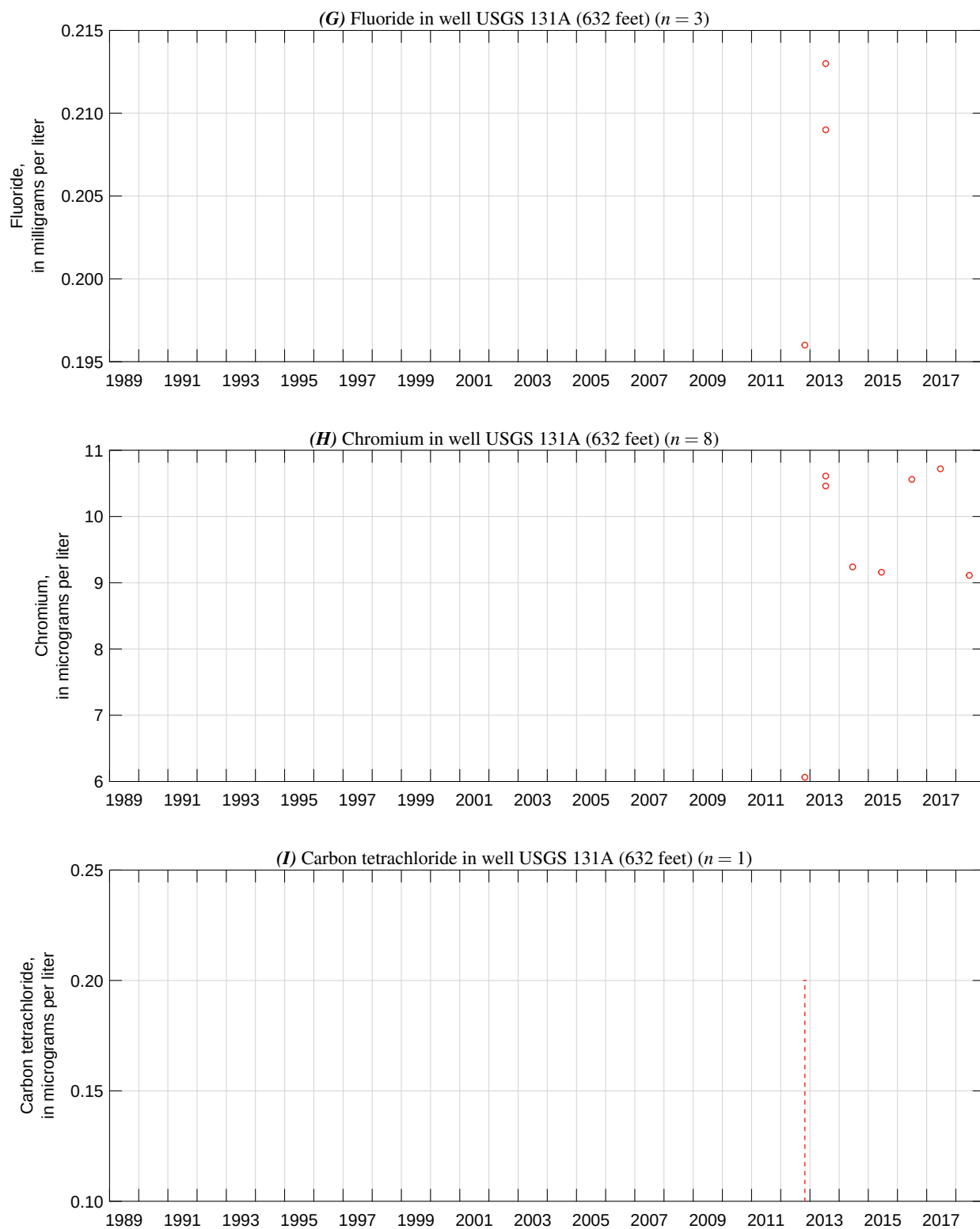


Figure 4.88. —Continued

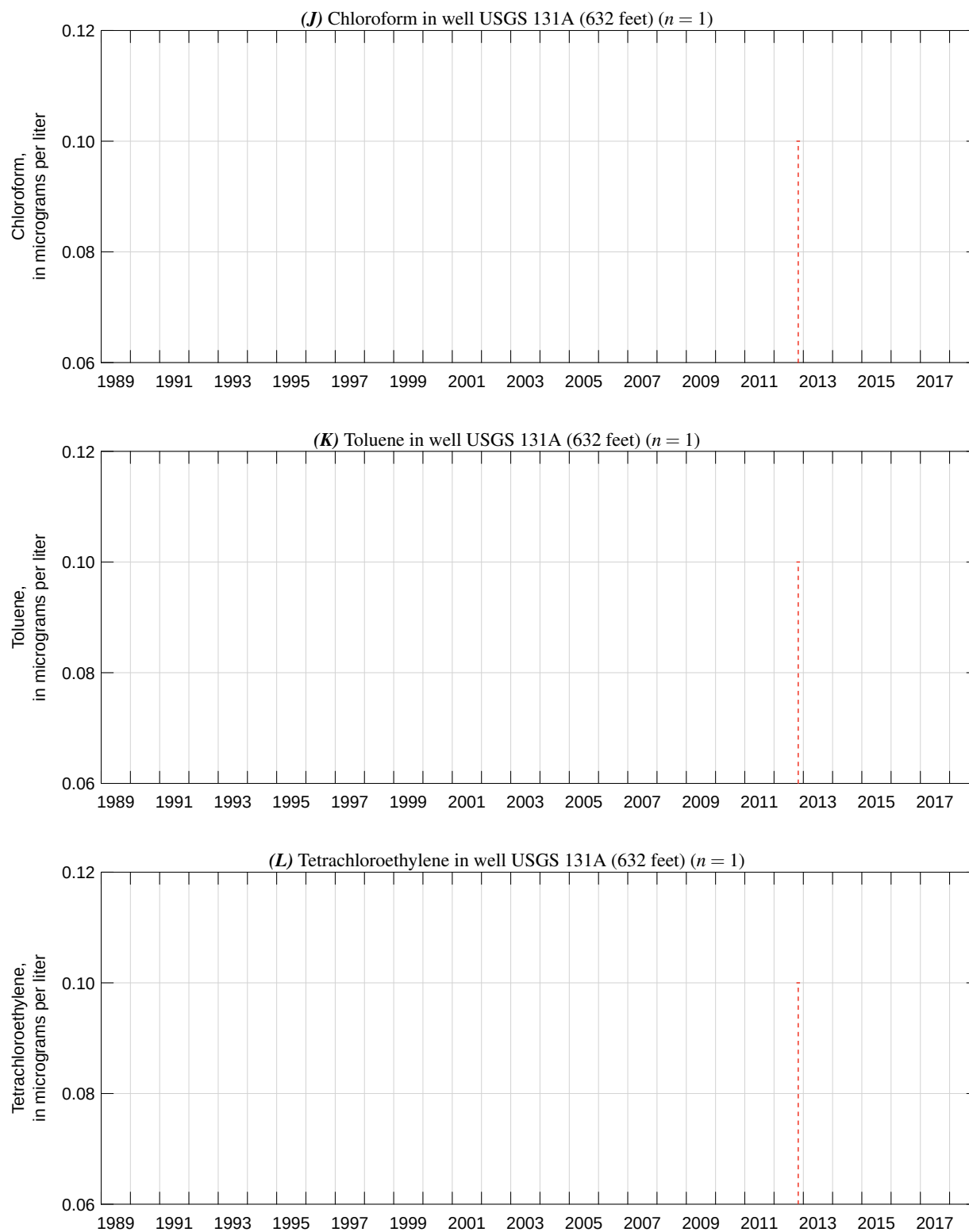


Figure 4.88. —Continued

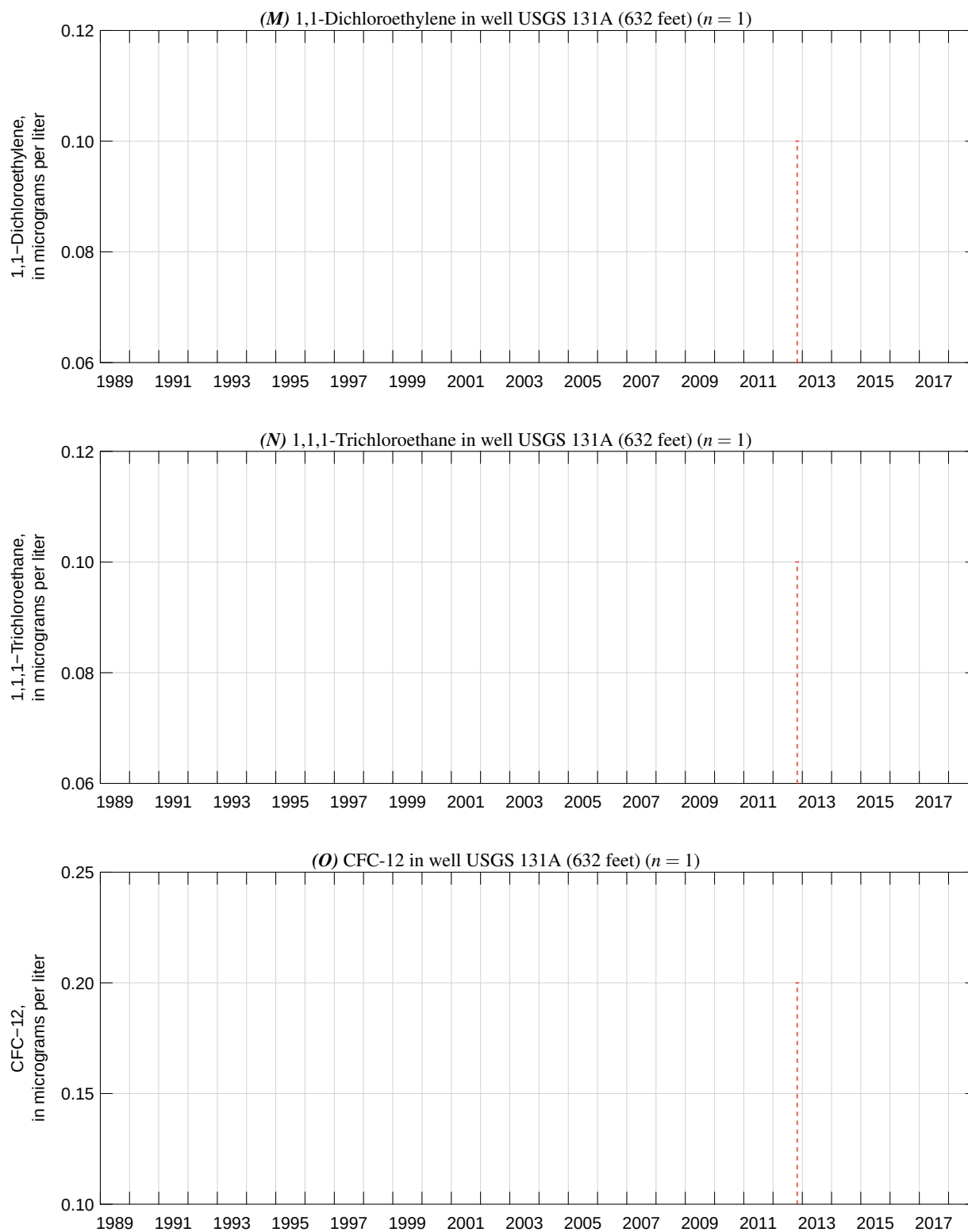


Figure 4.88. —Continued

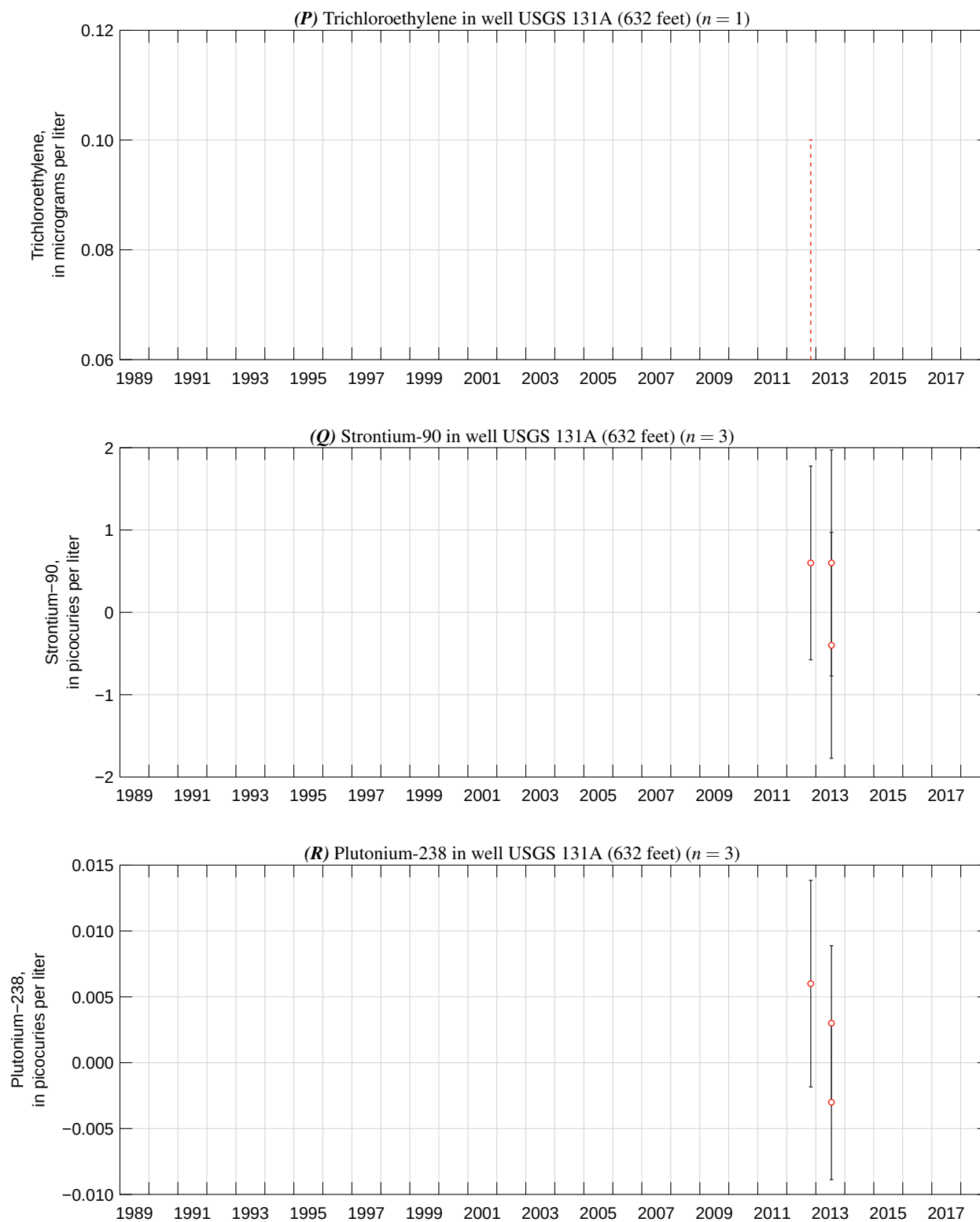


Figure 4.88. —Continued

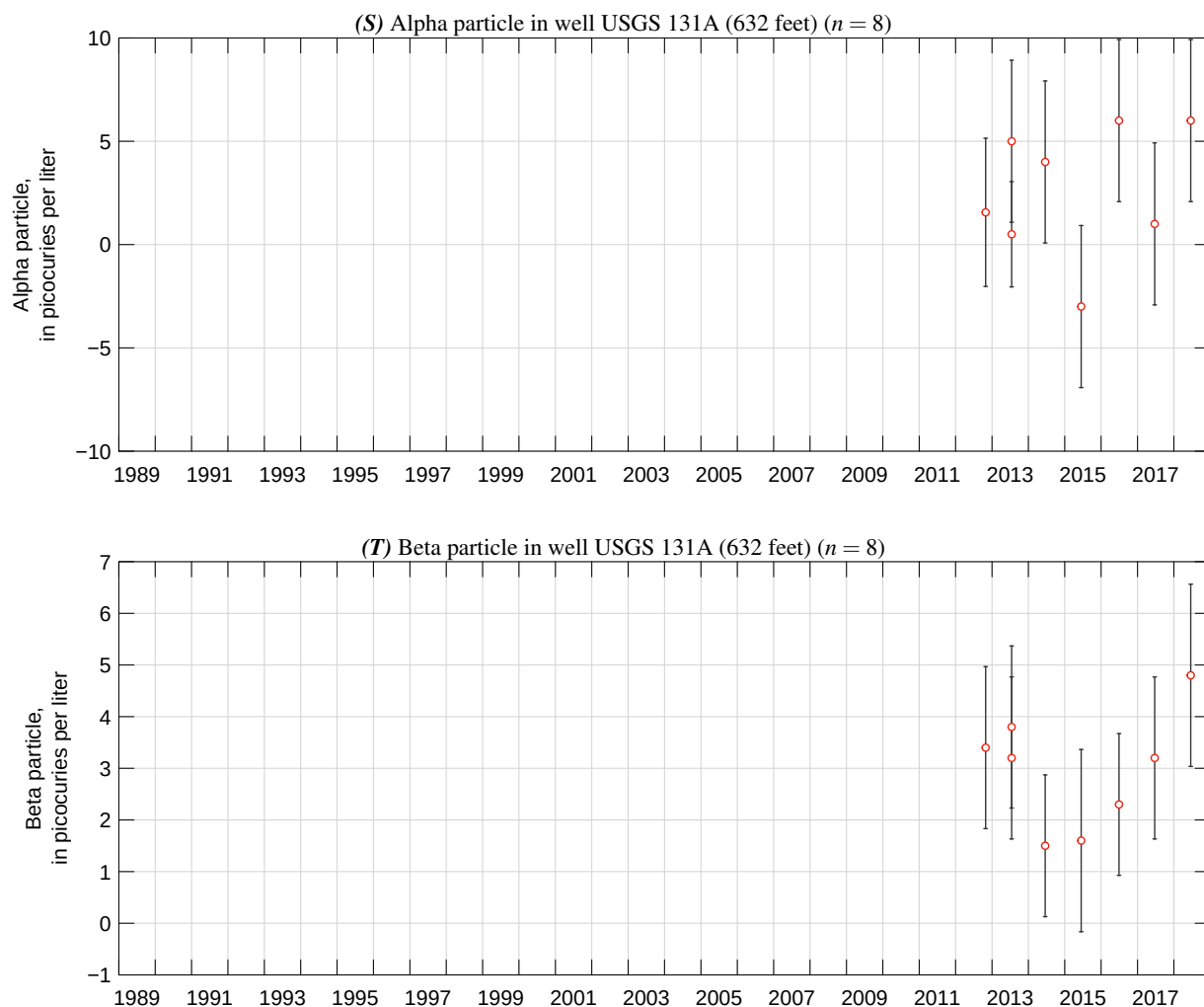


Figure 4.88. —Continued

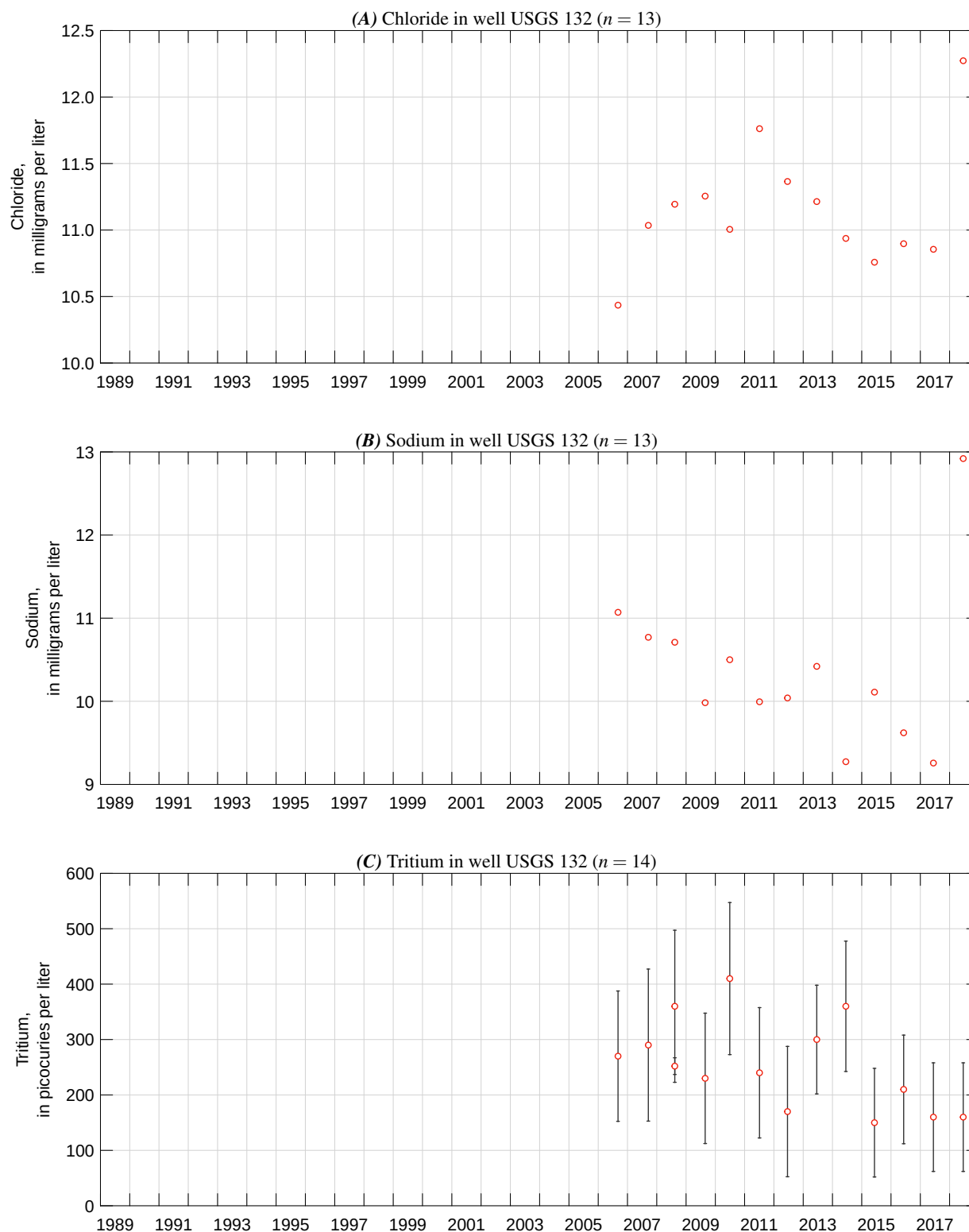


Figure 4.89. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, (R) plutonium-238, (S) alpha particle, and (T) beta particle concentrations in water collected from well USGS 132 (Site No. 432906113025018), Idaho National Laboratory, Idaho, 1989–2018.

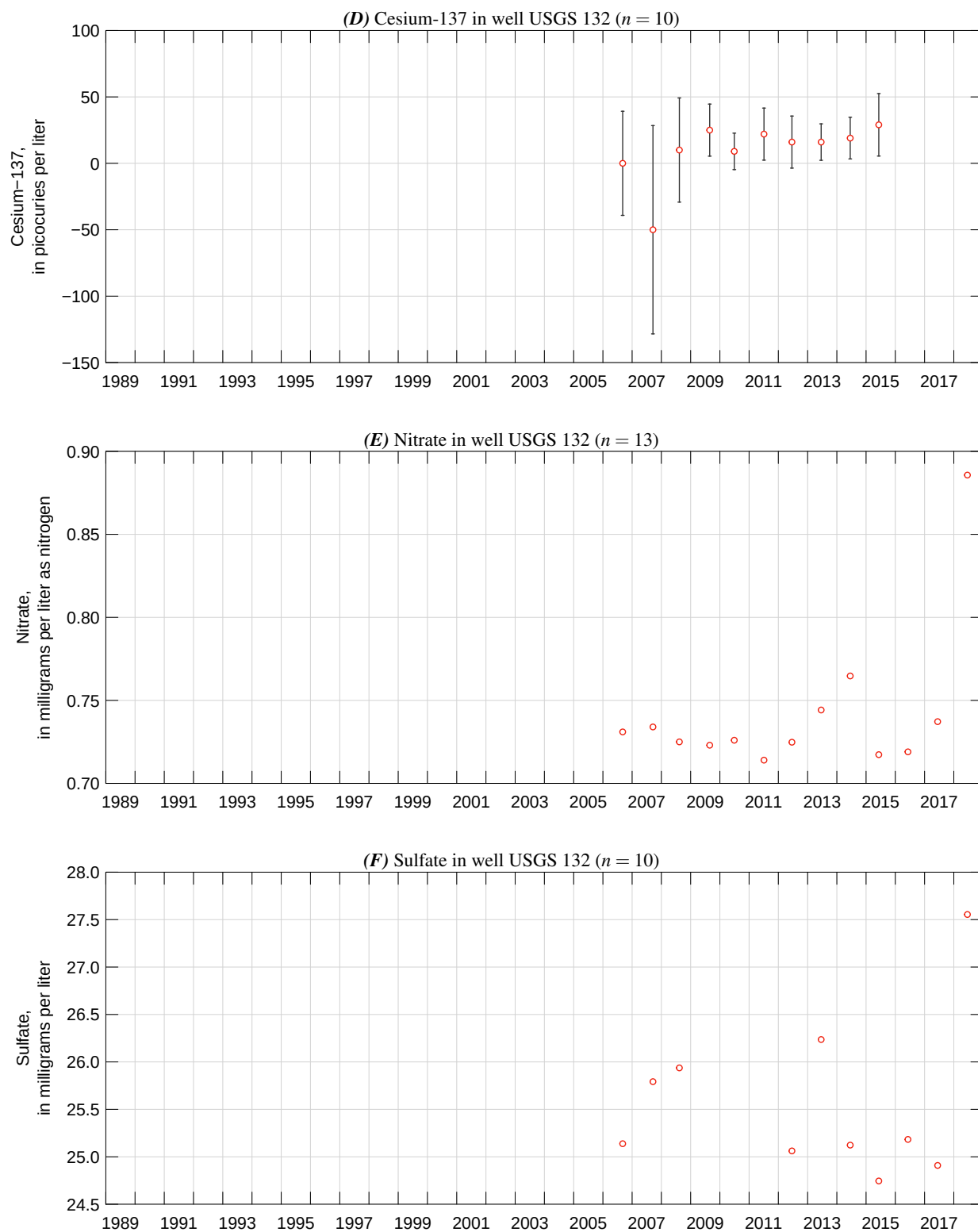


Figure 4.89. —Continued

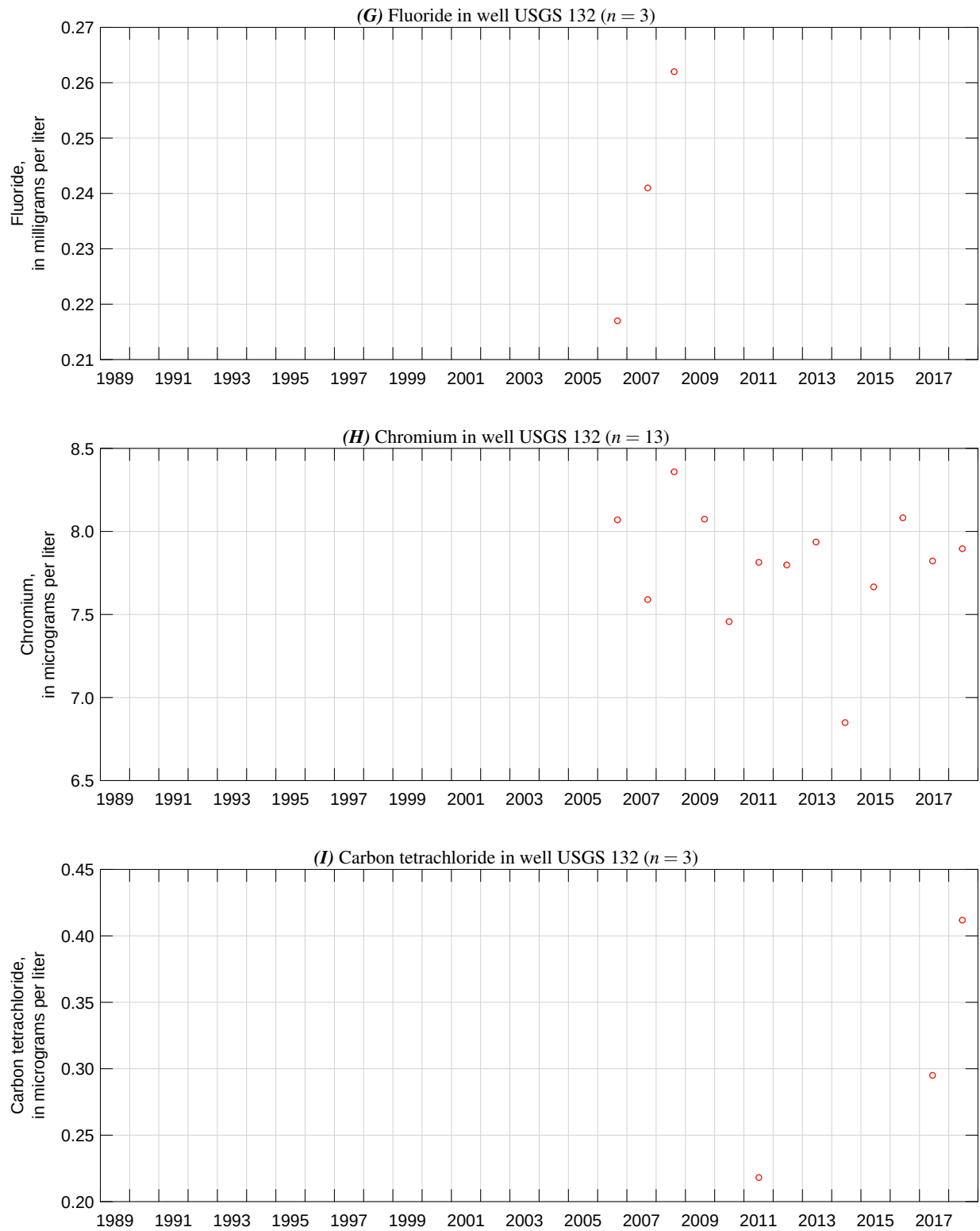


Figure 4.89. —Continued

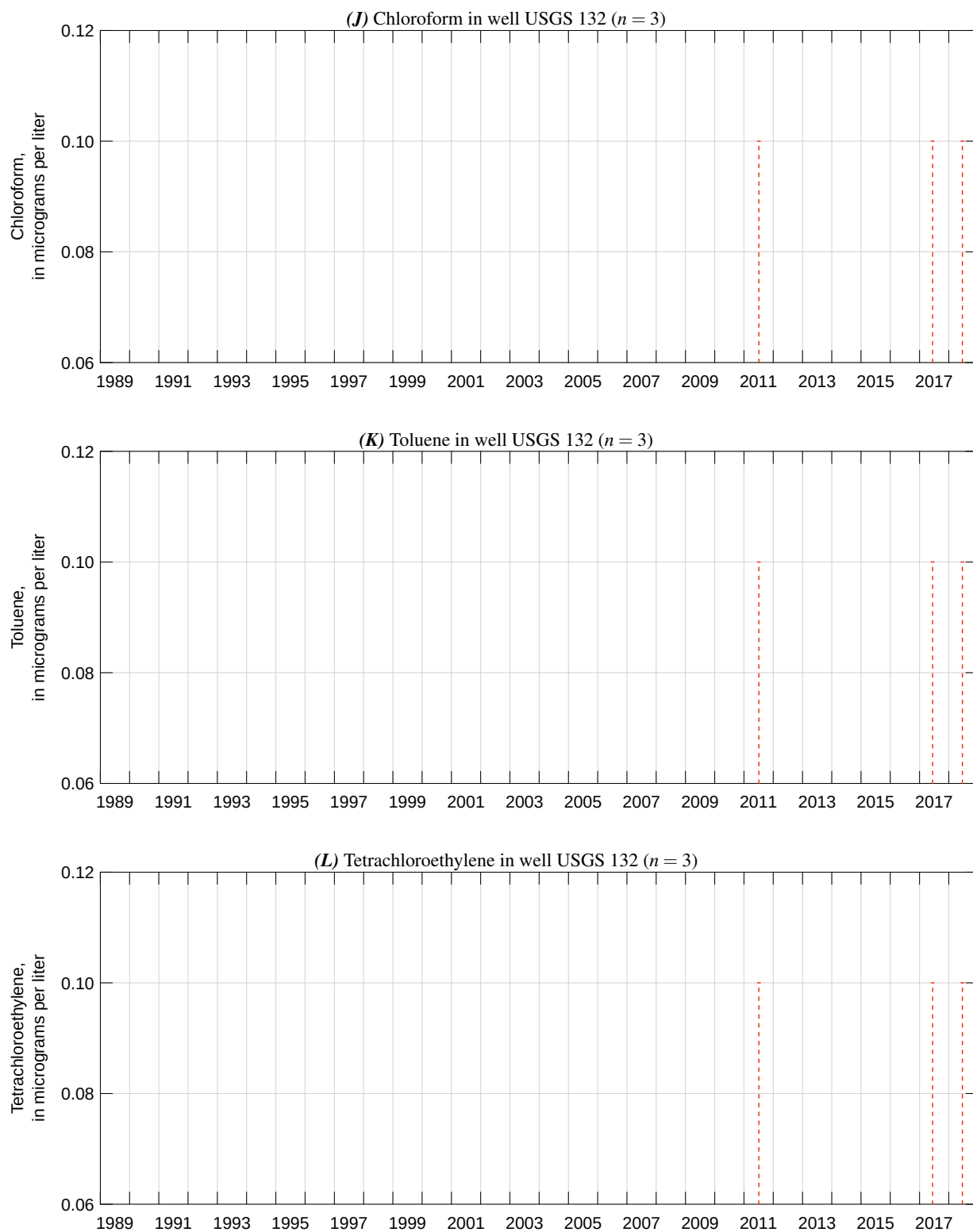


Figure 4.89. —Continued

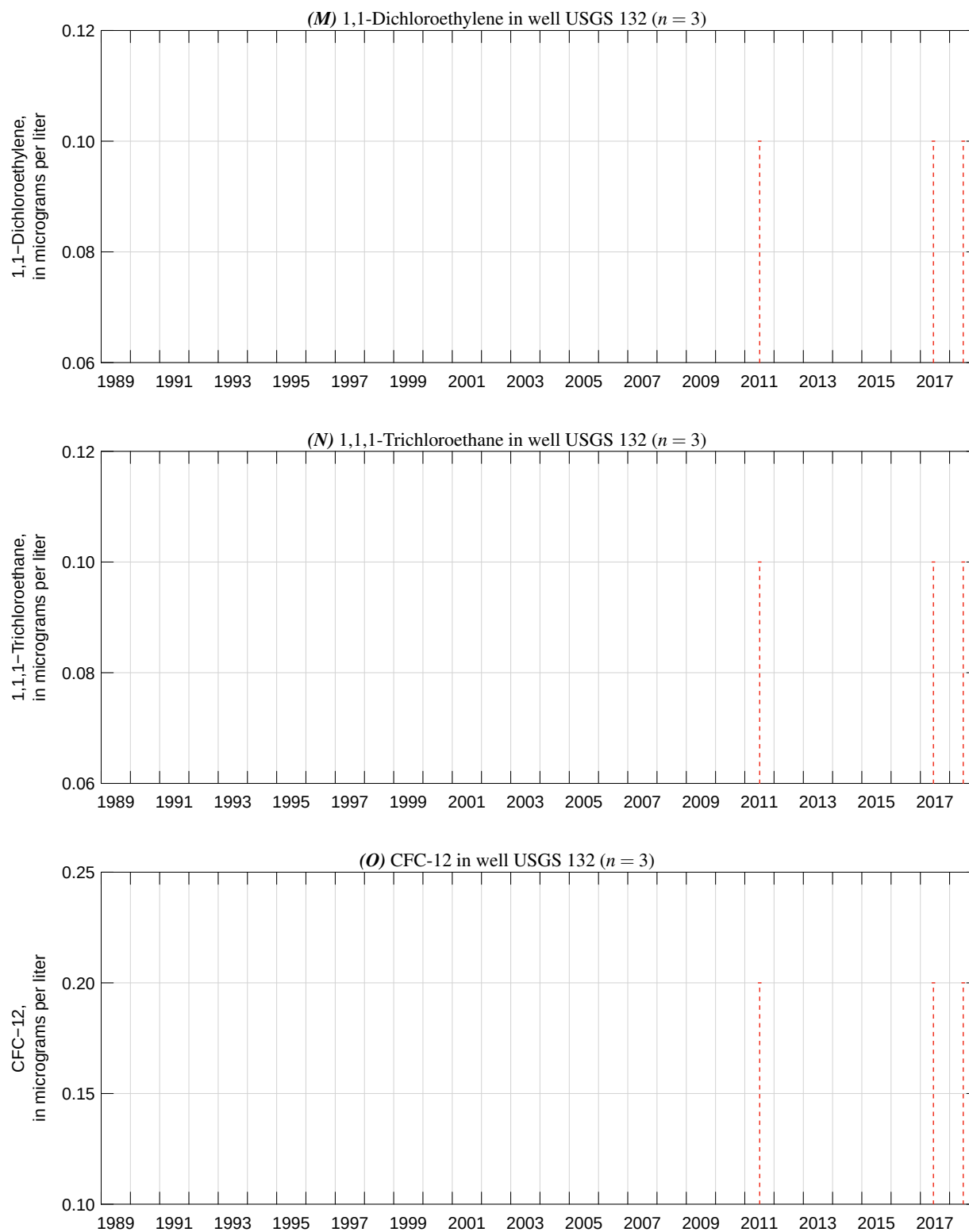


Figure 4.89. —Continued

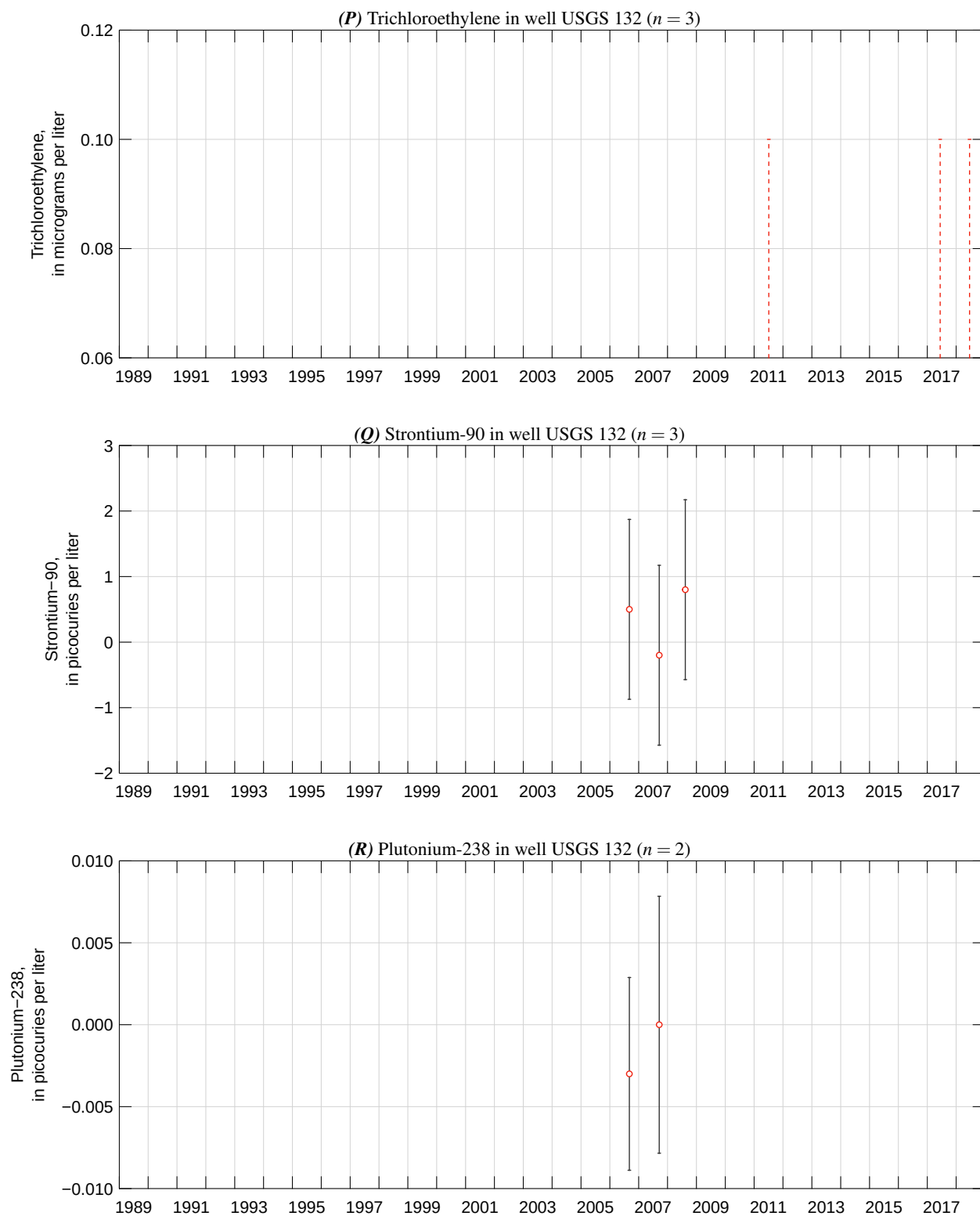


Figure 4.89. —Continued

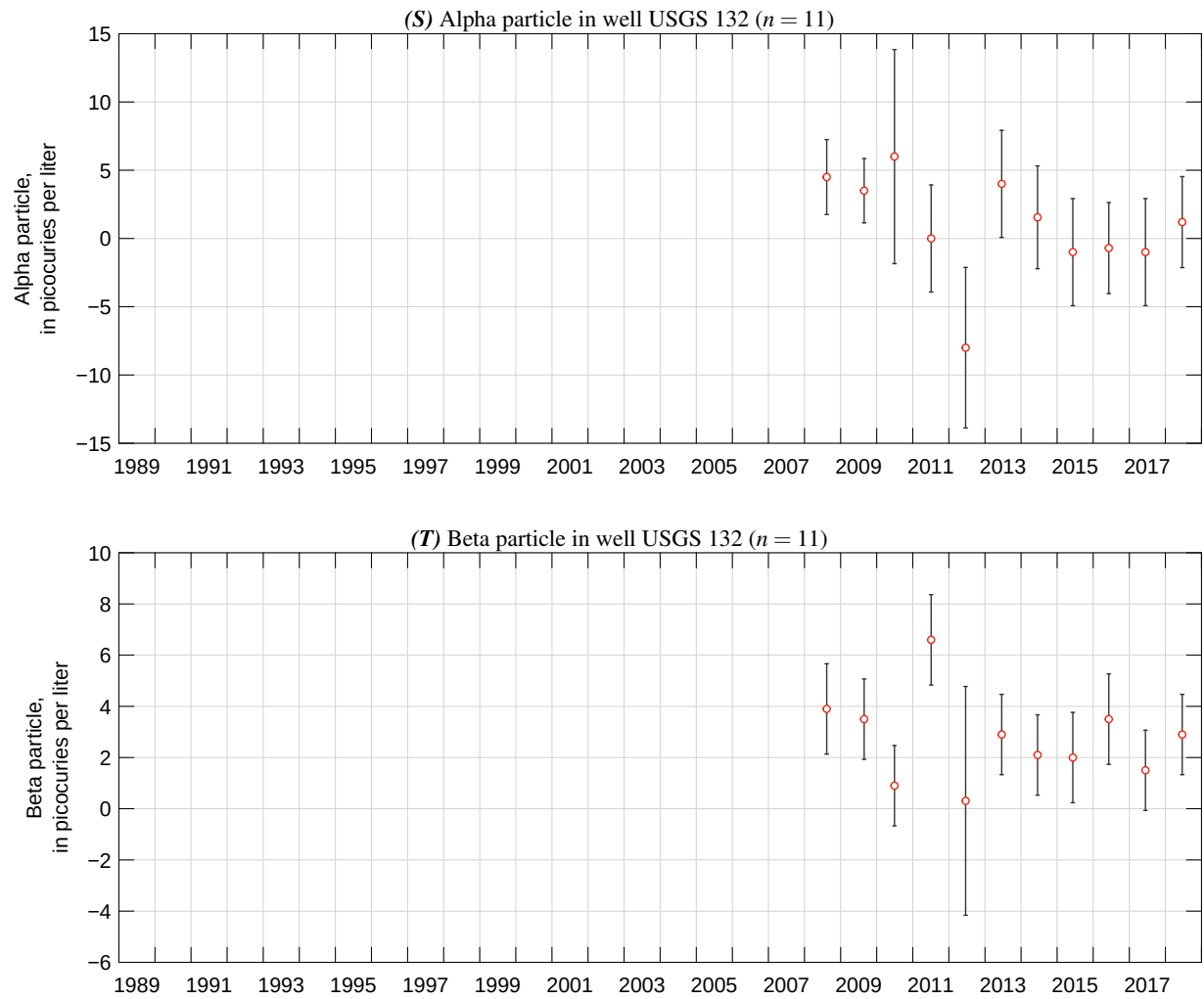


Figure 4.89. —Continued

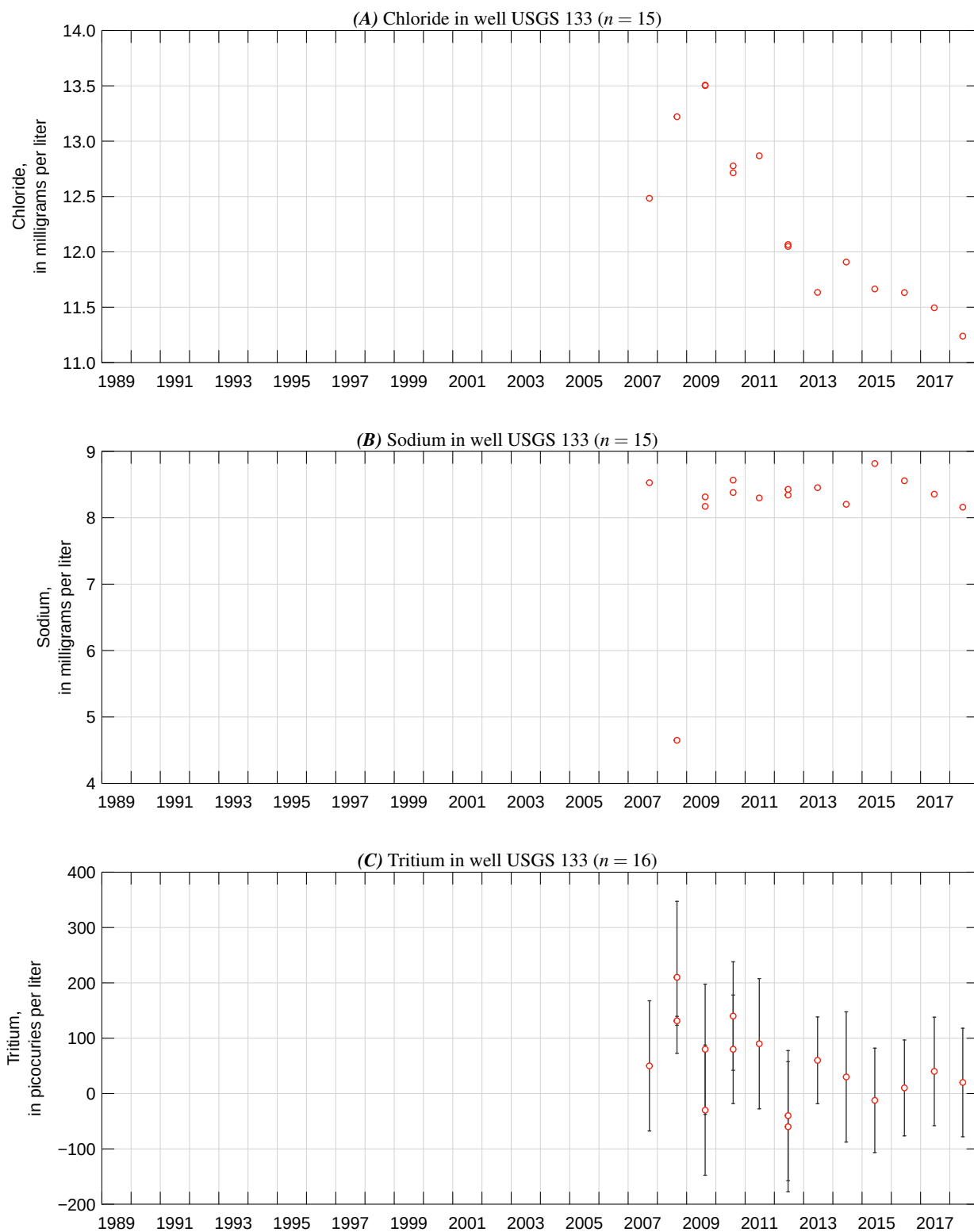


Figure 4.90. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) strontium-90, (J) plutonium-238, (K) alpha particle, and (L) beta particle concentrations in water collected from well USGS 133 (Site No. 433605112554312), Idaho National Laboratory, Idaho, 1989–2018.

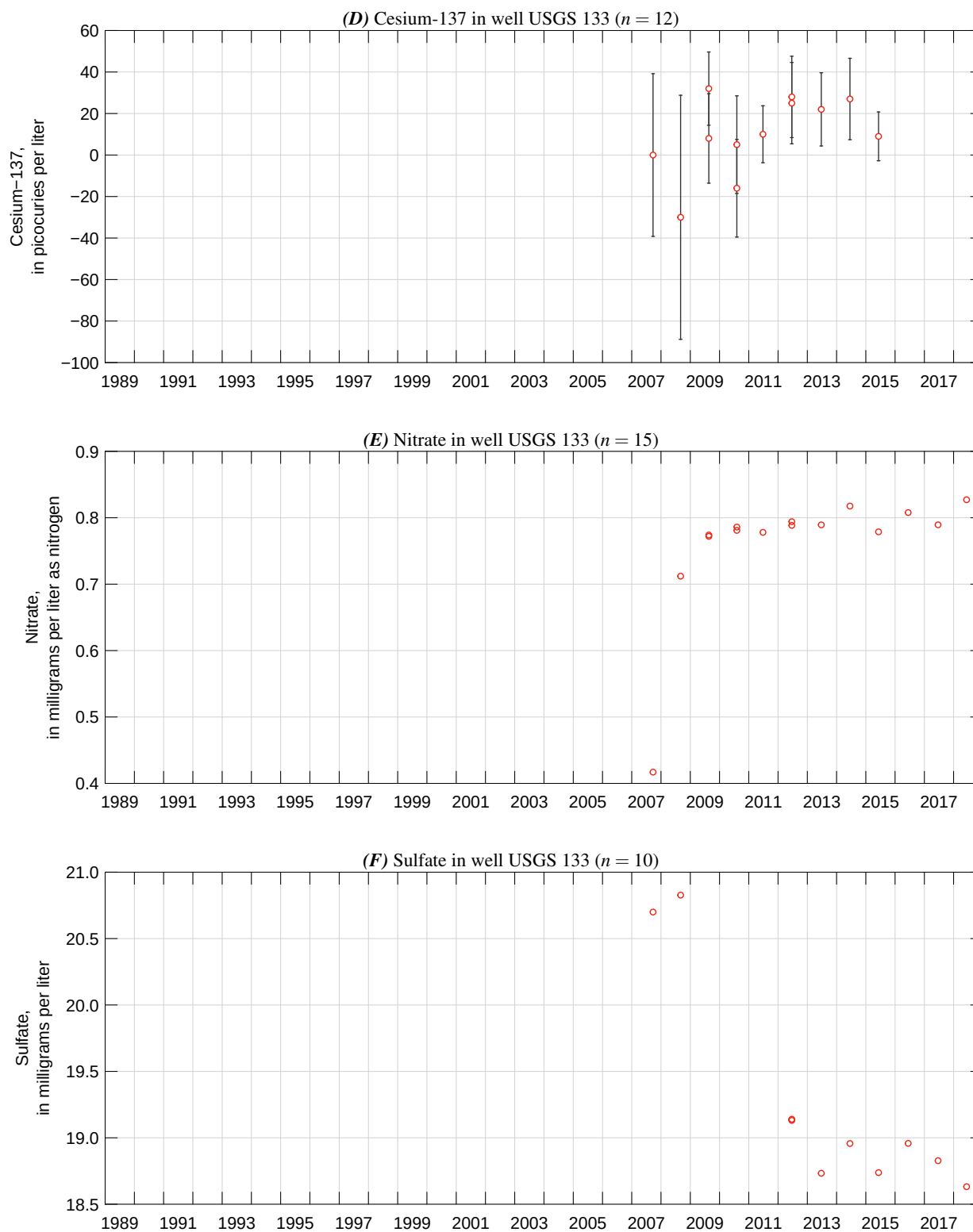


Figure 4.90. —Continued

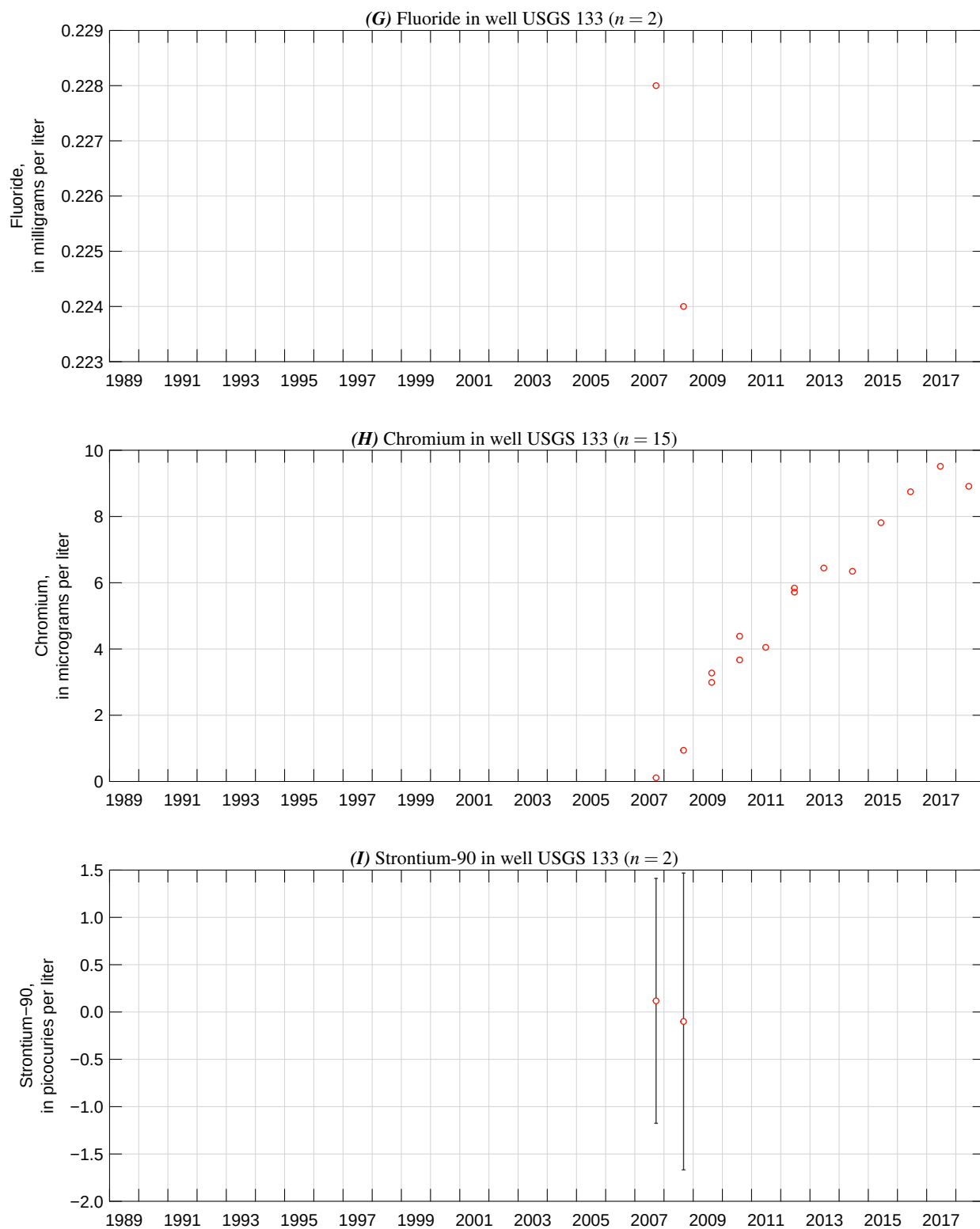


Figure 4.90. —Continued

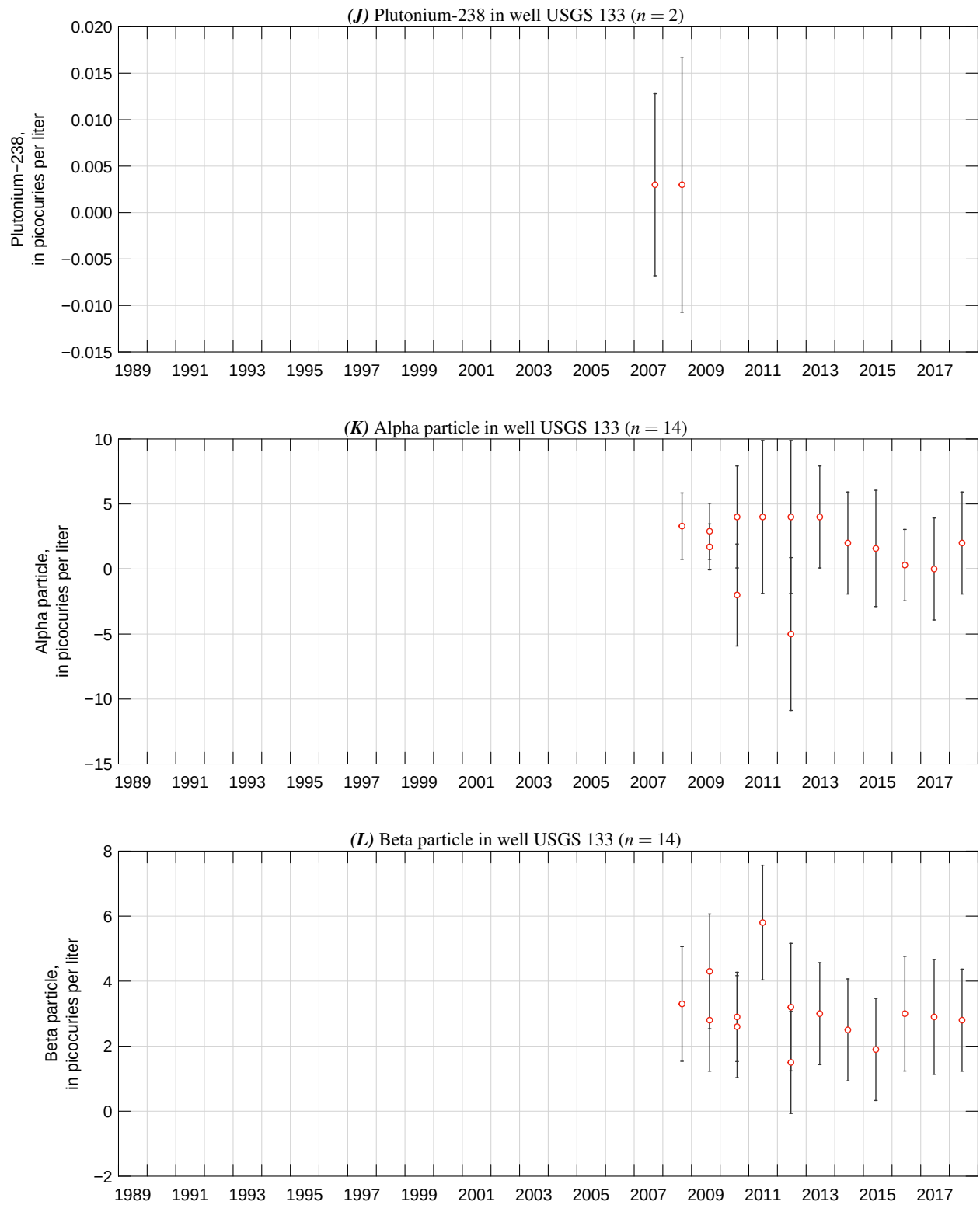


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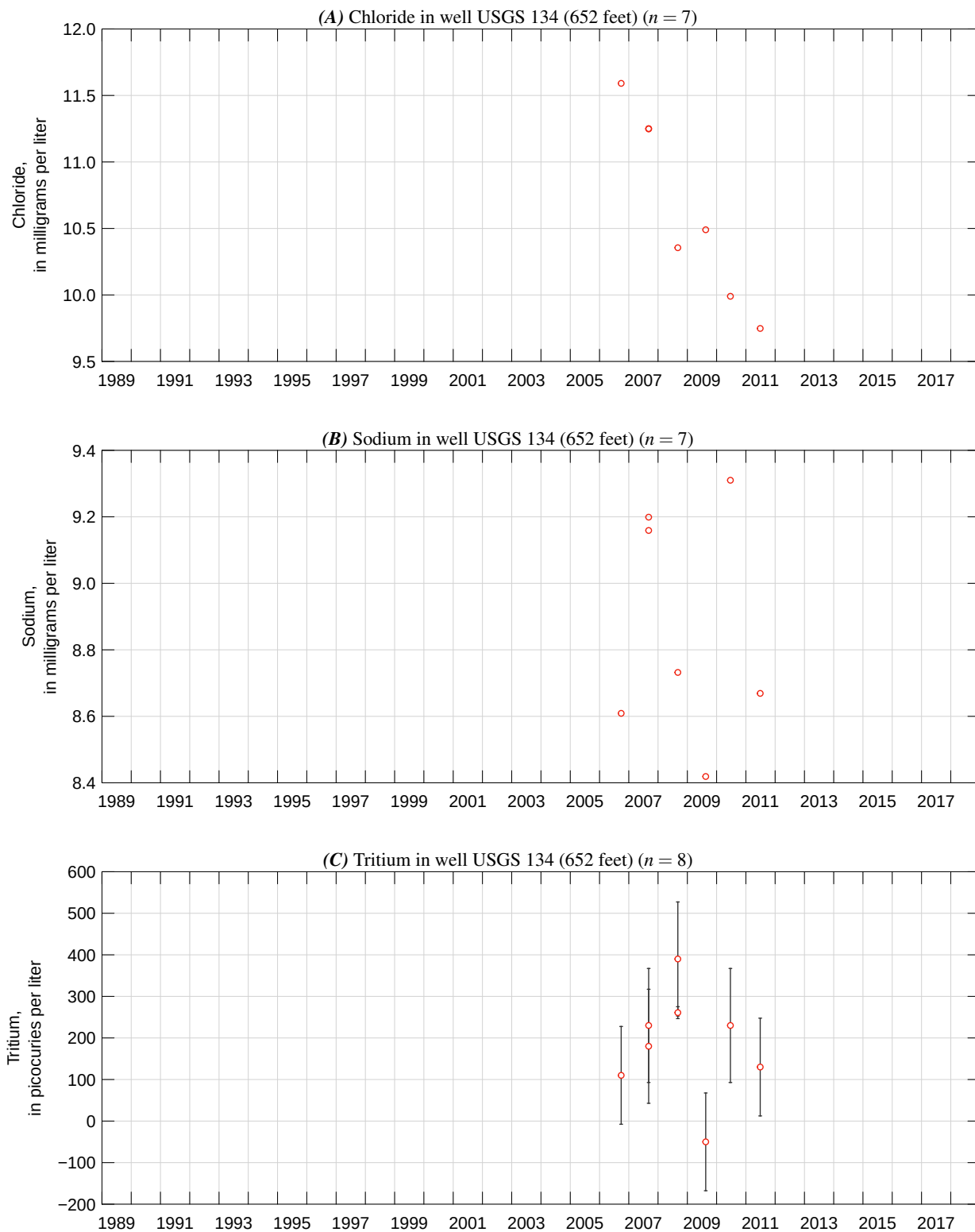


Figure 4.91. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) strontium-90, (J) plutonium-238, (K) alpha particle, and (L) beta particle concentrations in water collected from well USGS 134 (652 feet) (Site No. 433611112595815), Idaho National Laboratory, Idaho, 1989–2018.

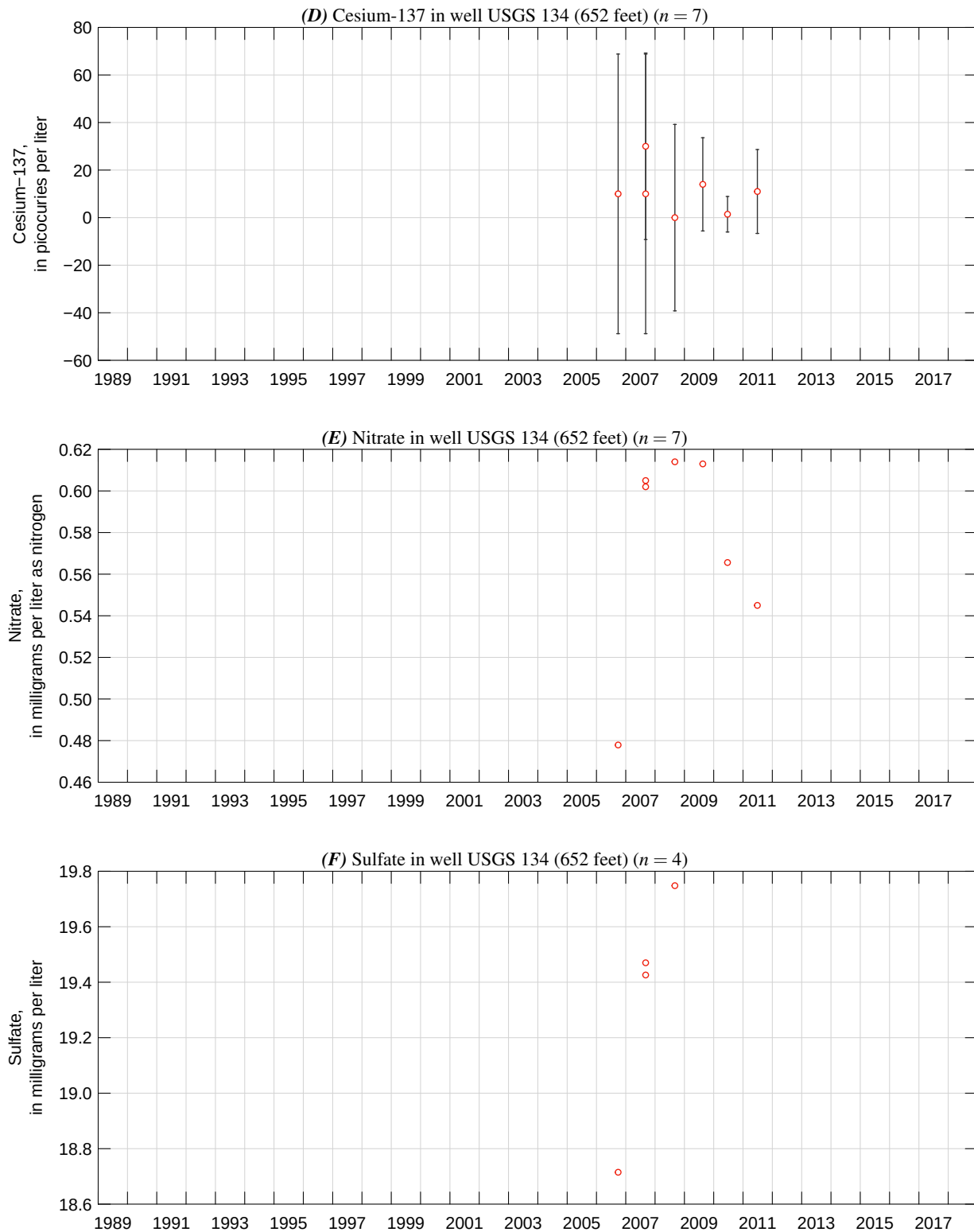


Figure 4.91. —Continued

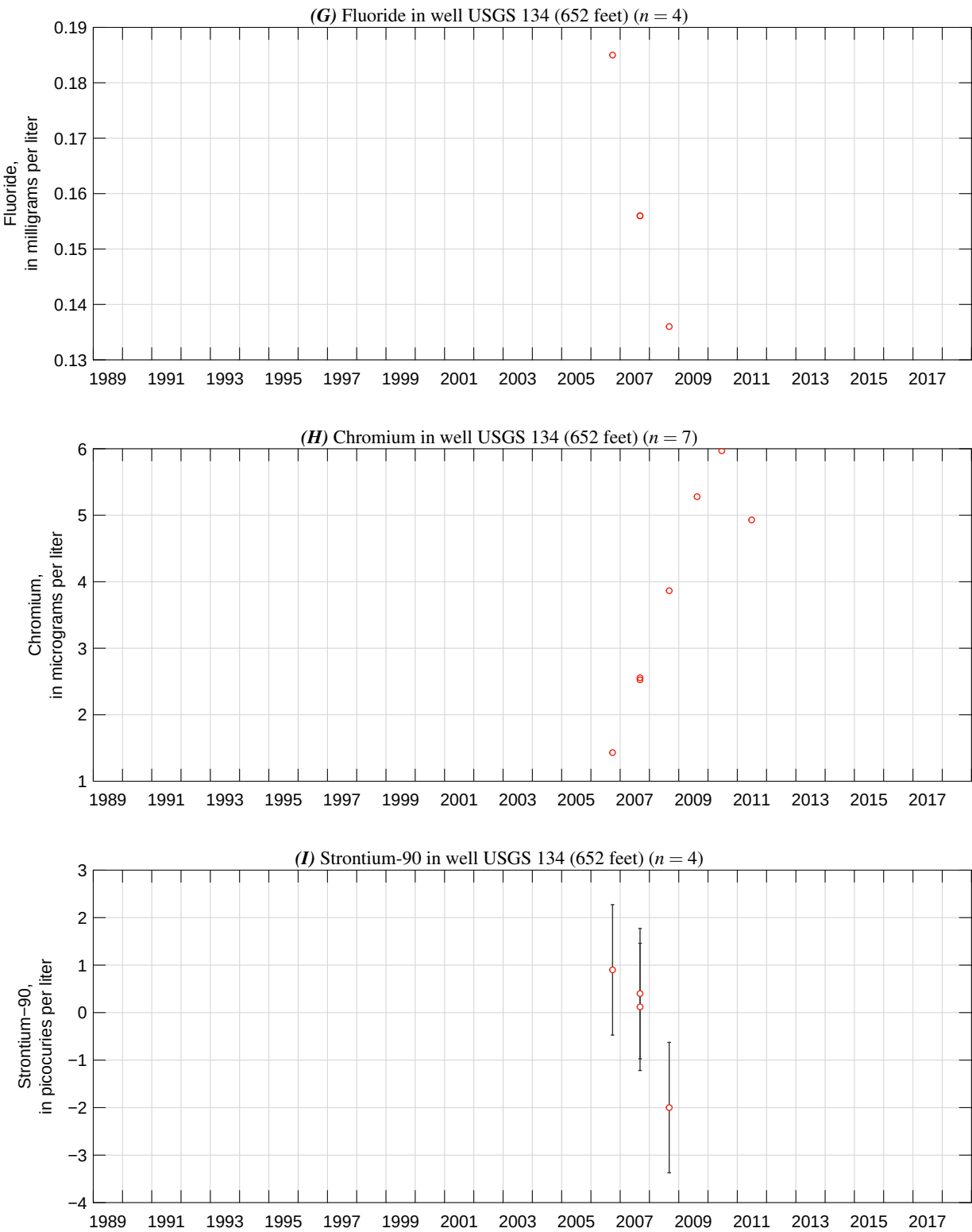


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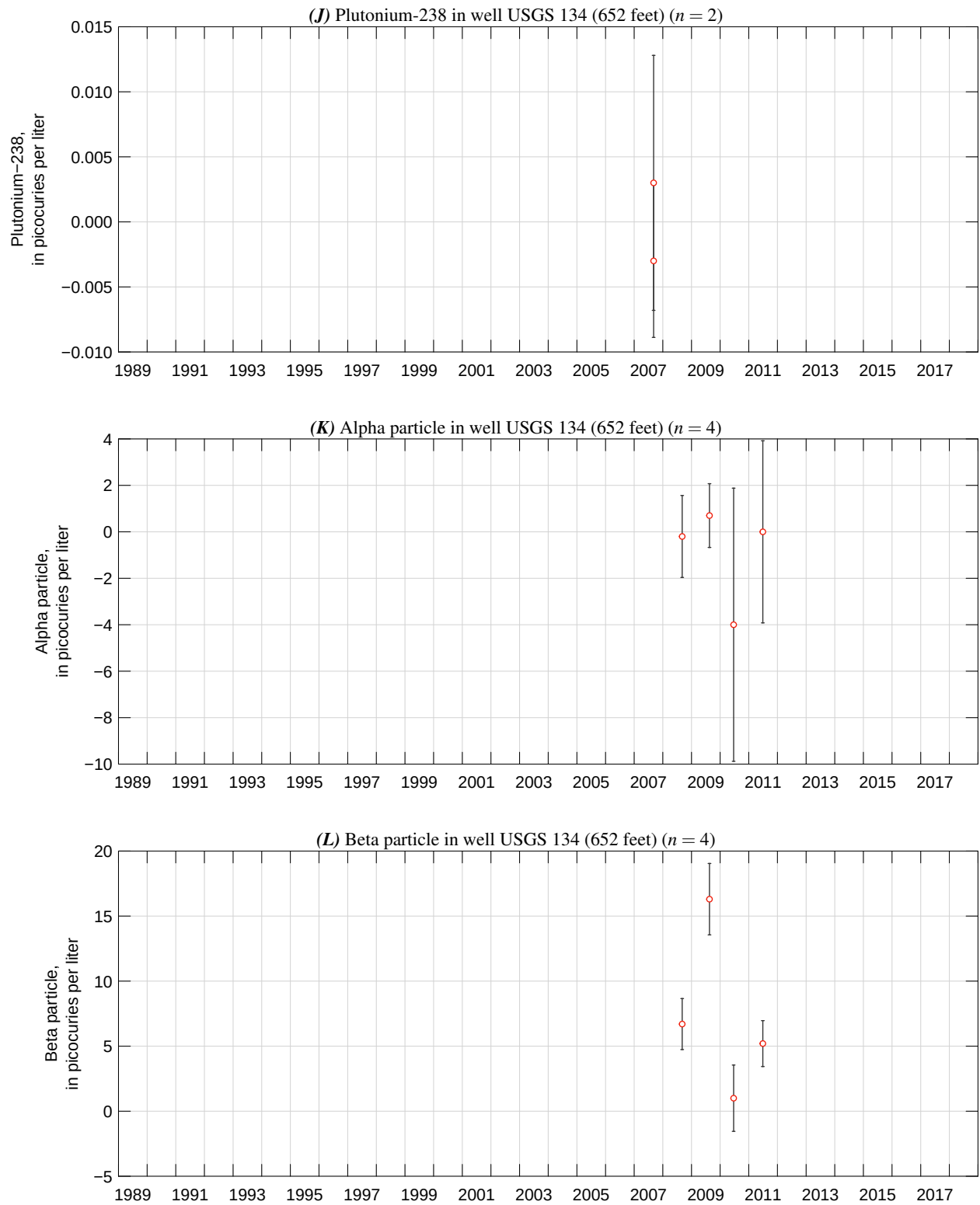


Figure 4.91. —Continued

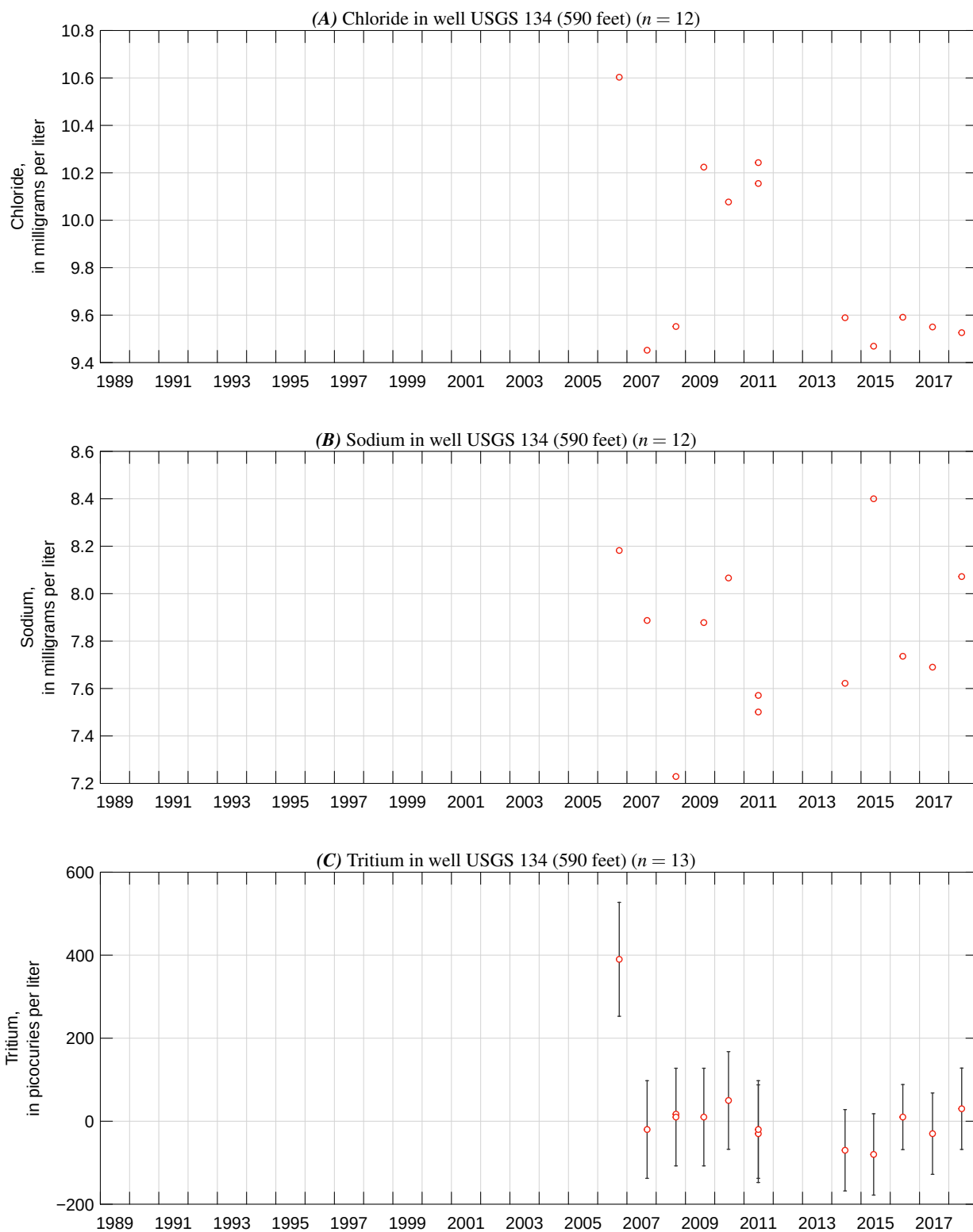


Figure 4.92. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) strontium-90, (J) plutonium-238, (K) alpha particle, and (L) beta particle concentrations in water collected from well USGS 134 (590 feet) (Site No. 433611112595819), Idaho National Laboratory, Idaho, 1989–2018.

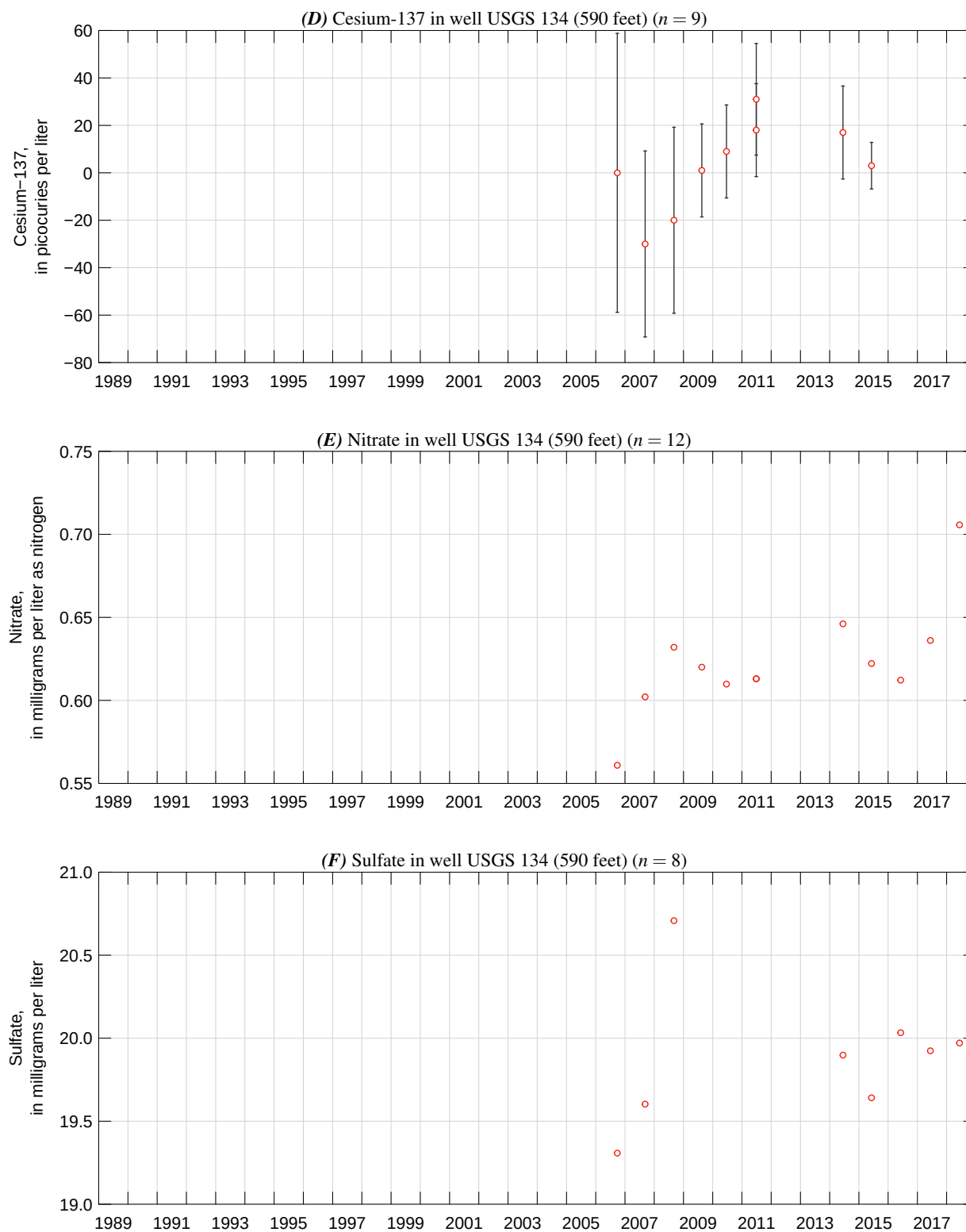


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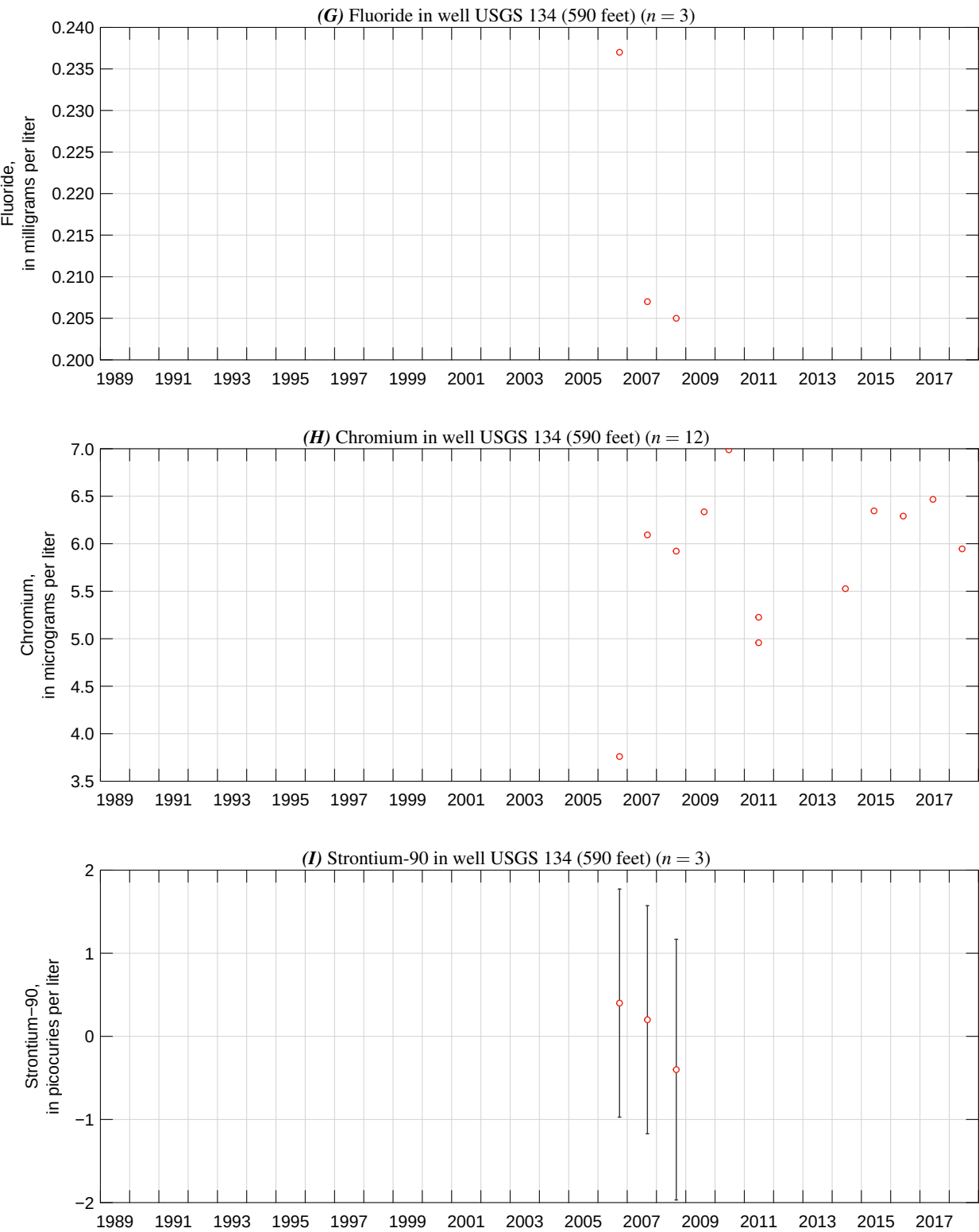


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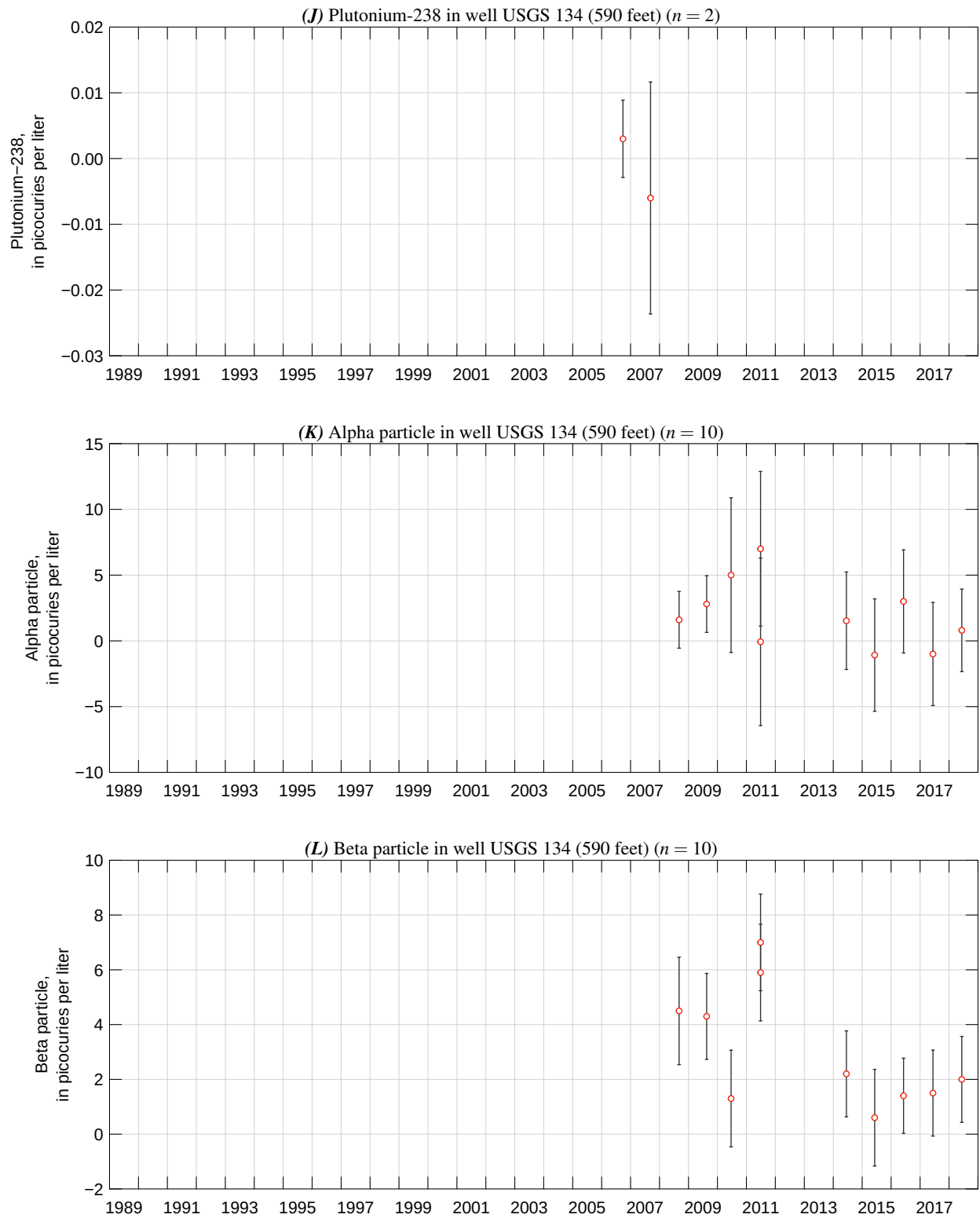


Figure 4.92. —Continued

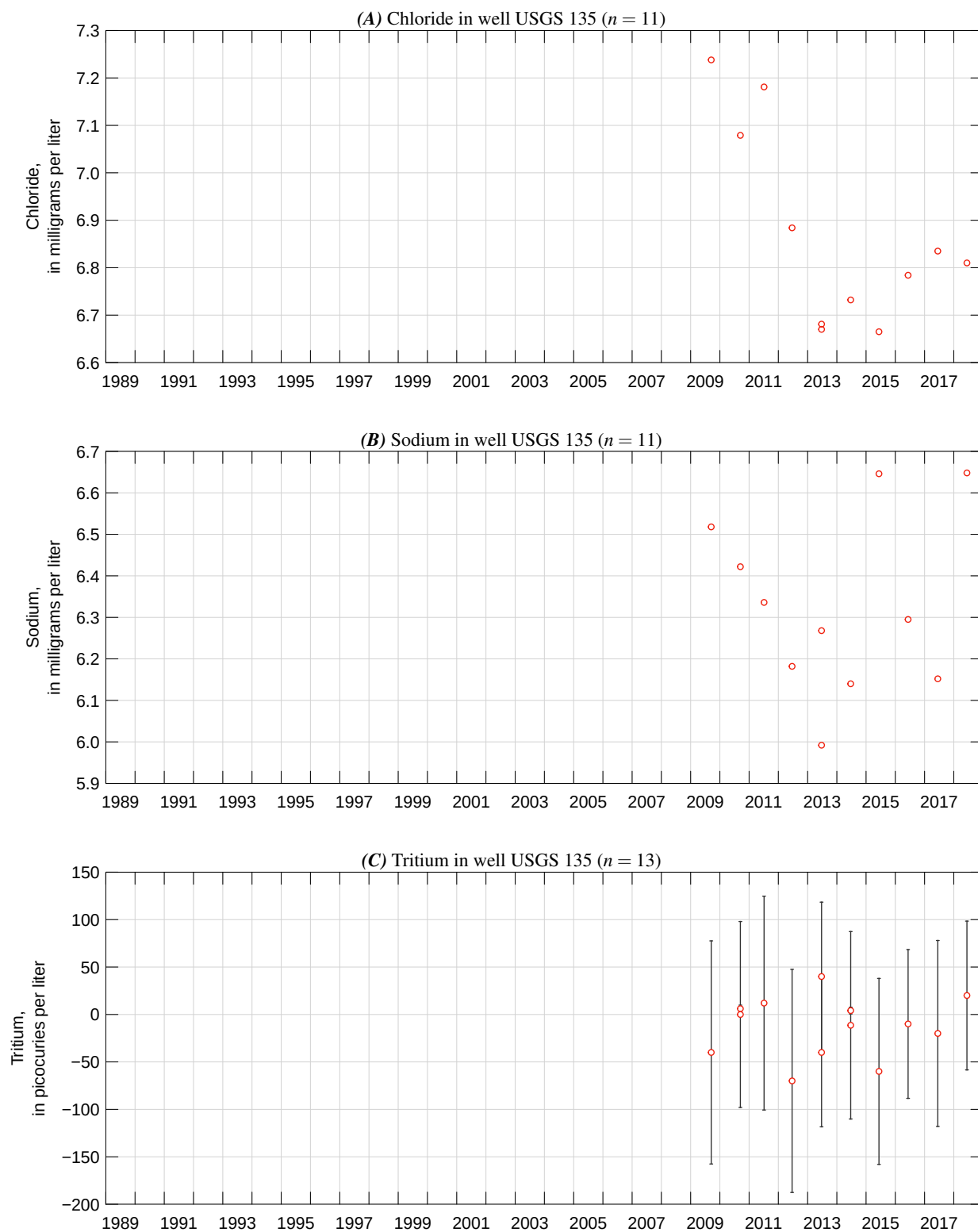


Figure 4.93. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) strontium-90, (J) plutonium-238, (K) alpha particle, and (L) beta particle concentrations in water collected from well USGS 135 (Site No. 432753113093609), Idaho National Laboratory, Idaho, 1989–2018.

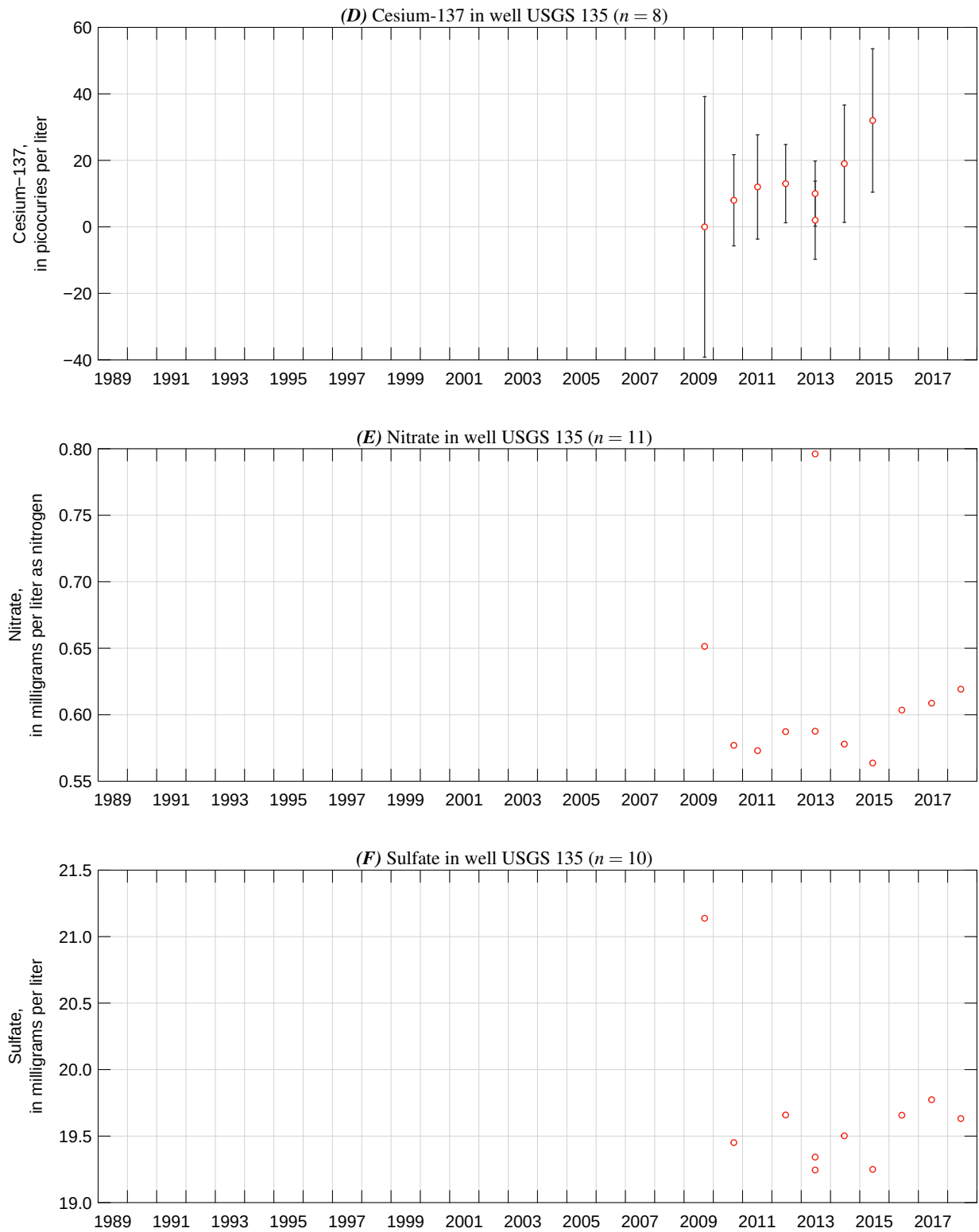


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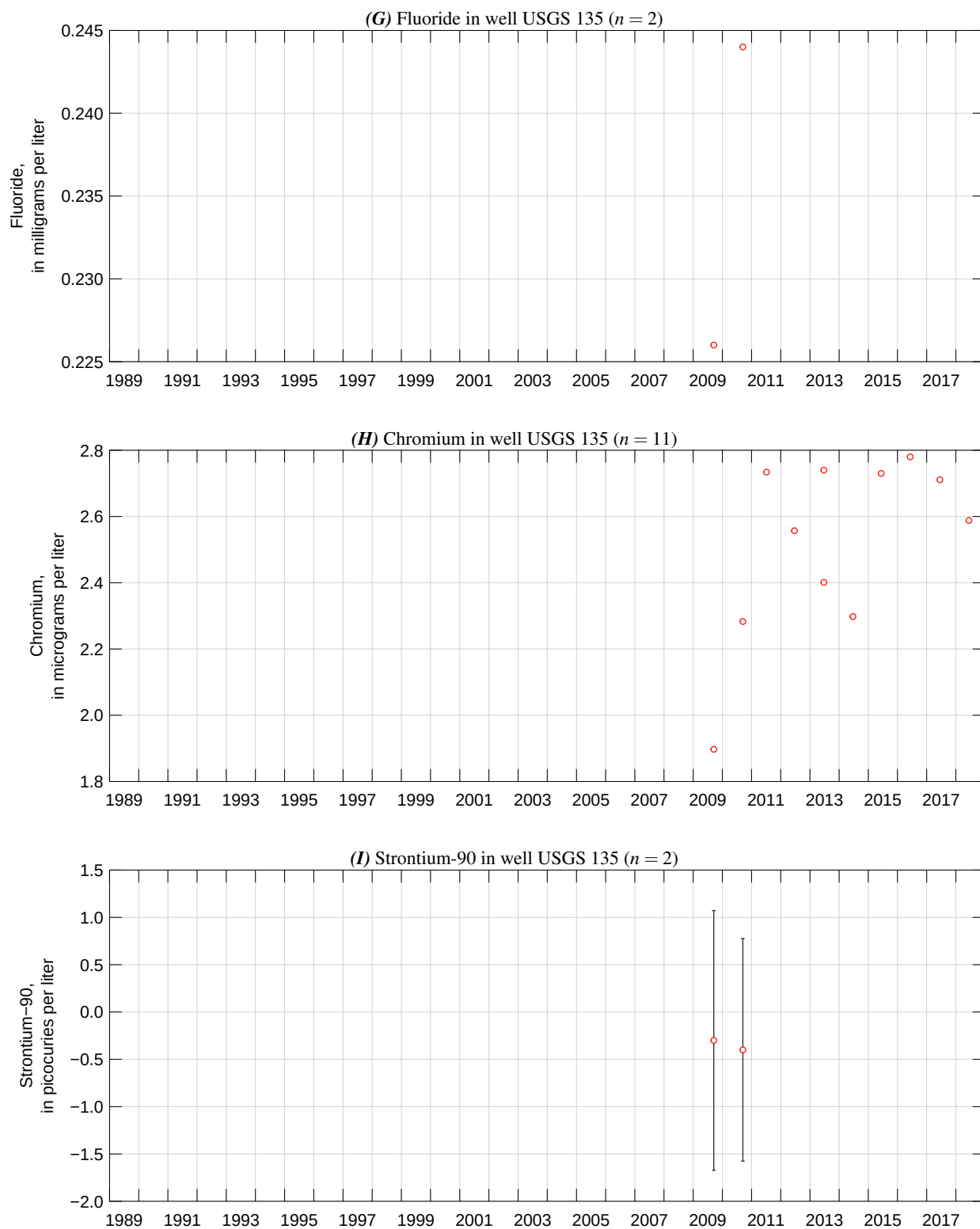


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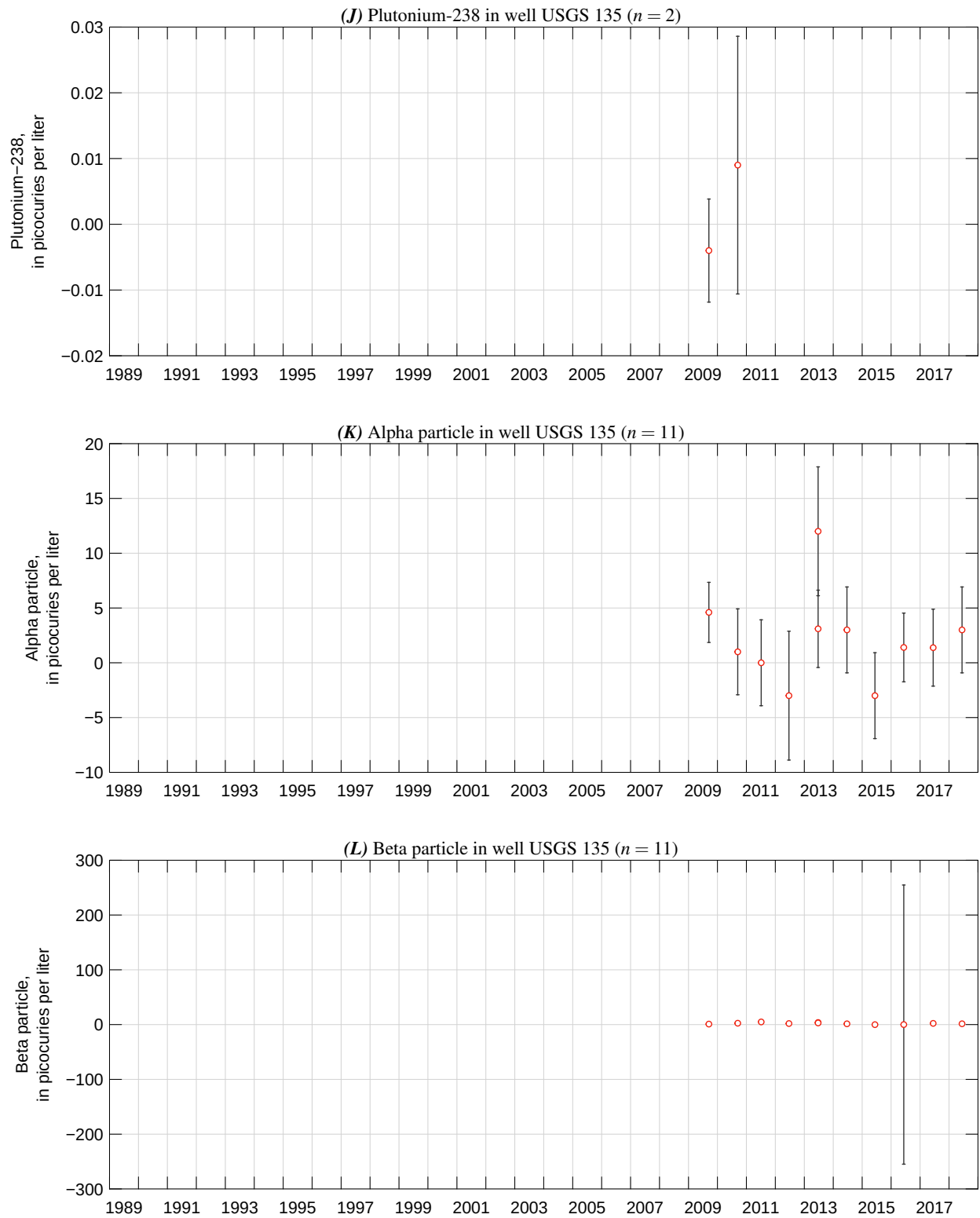


Figure 4.93. —Continued

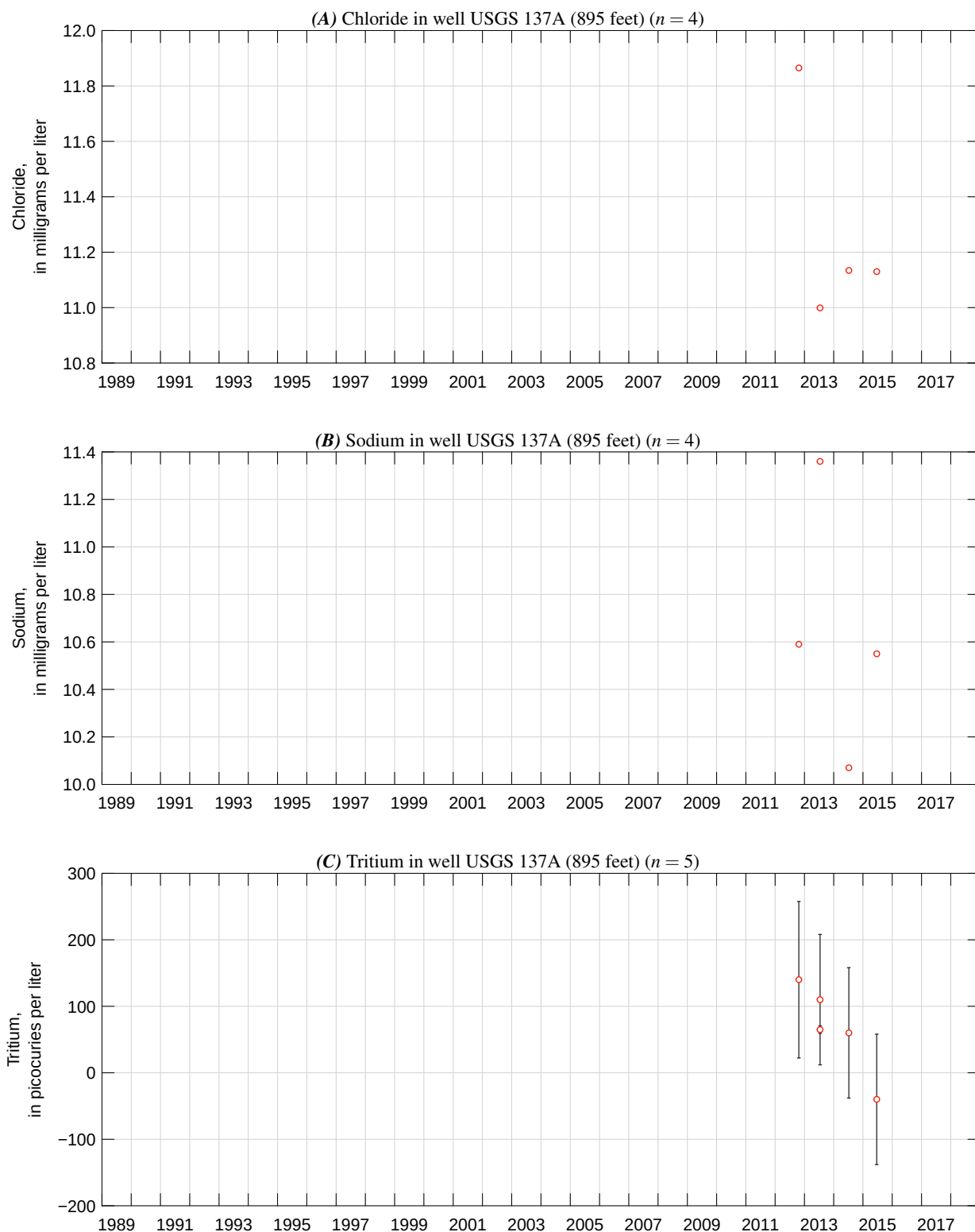


Figure 4.94. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, (R) plutonium-238, (S) alpha particle, and (T) beta particle concentrations in water collected from well USGS 137A (895 feet) (Site No. 432701113025801), Idaho National Laboratory, Idaho, 1989–2018.

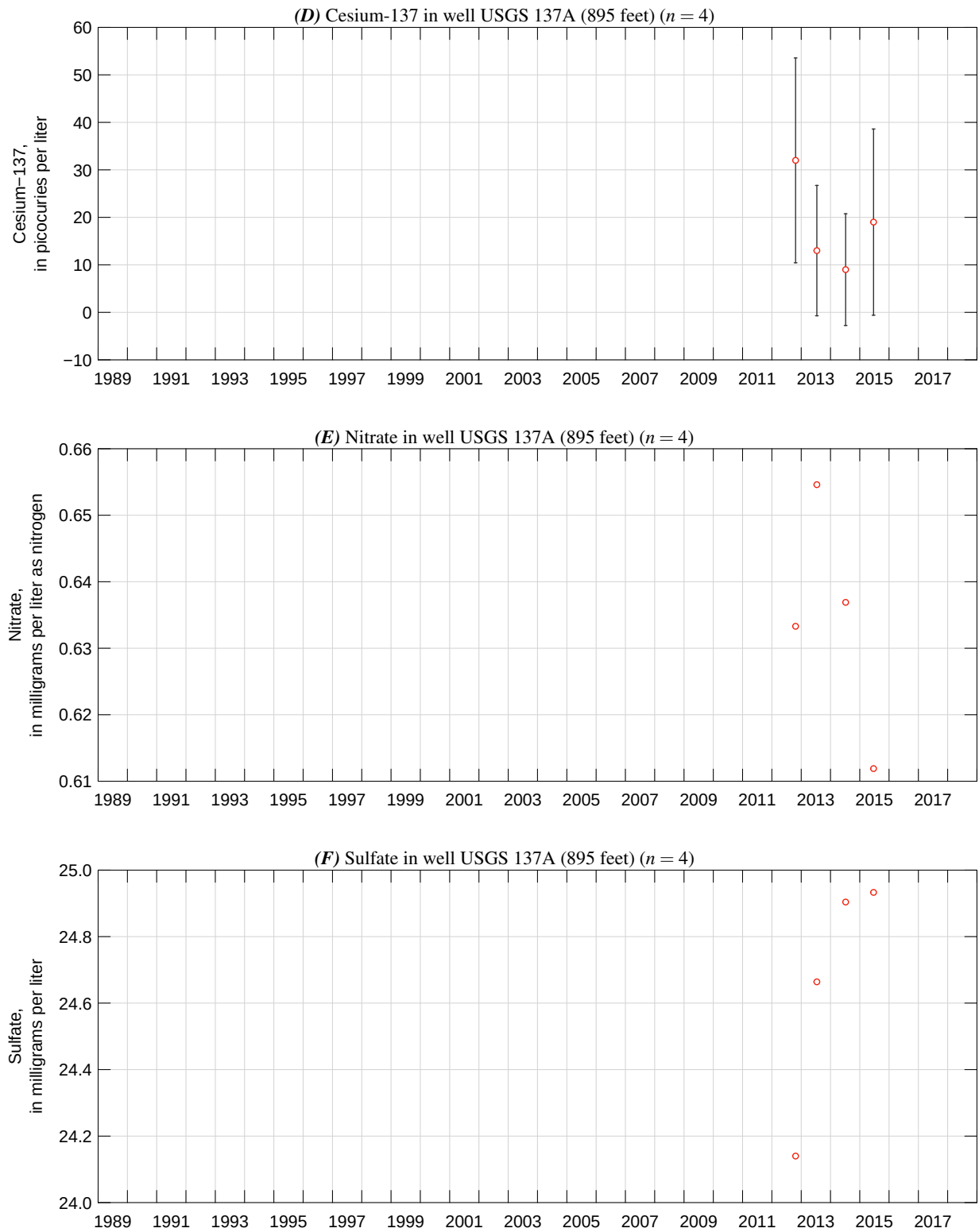


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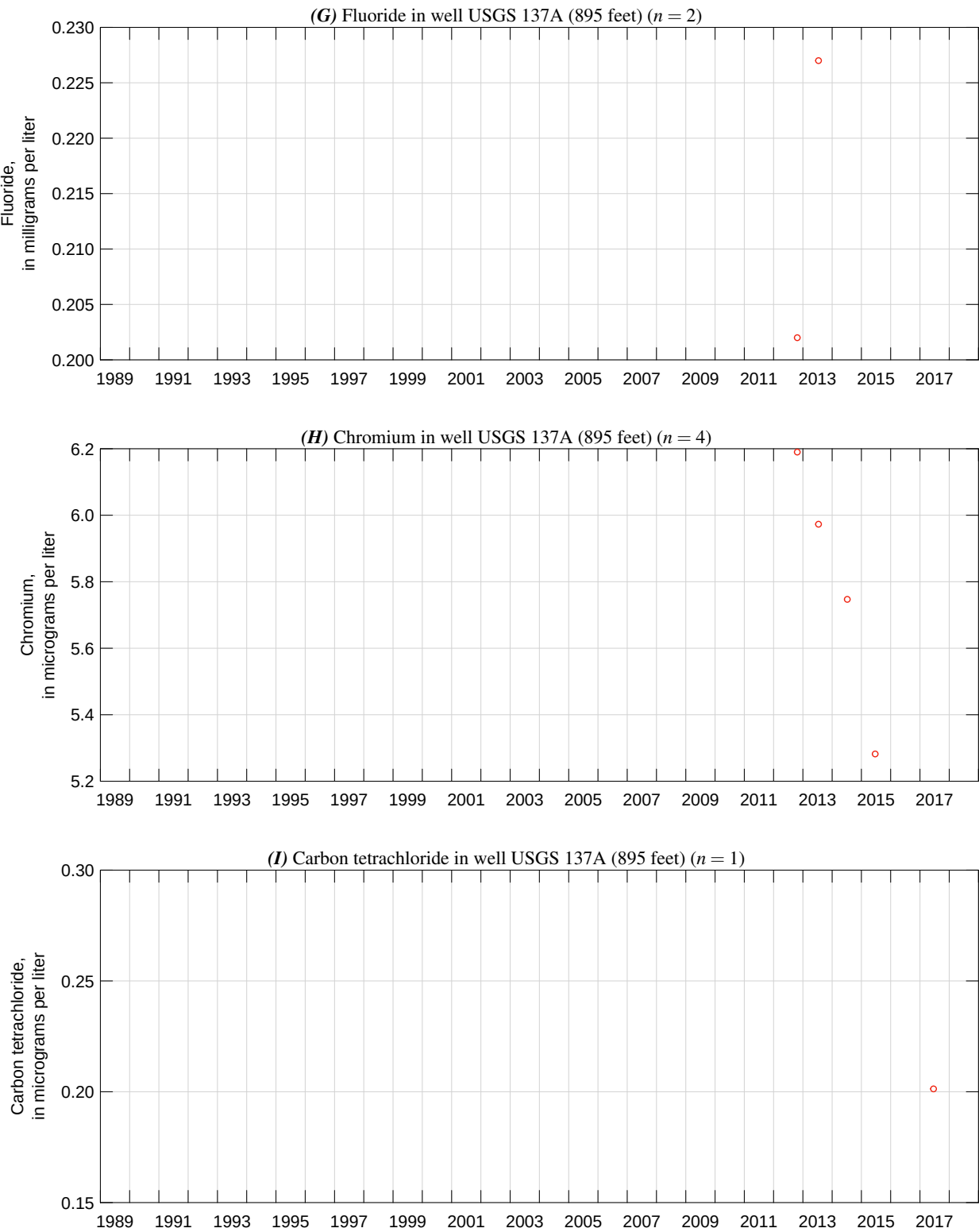


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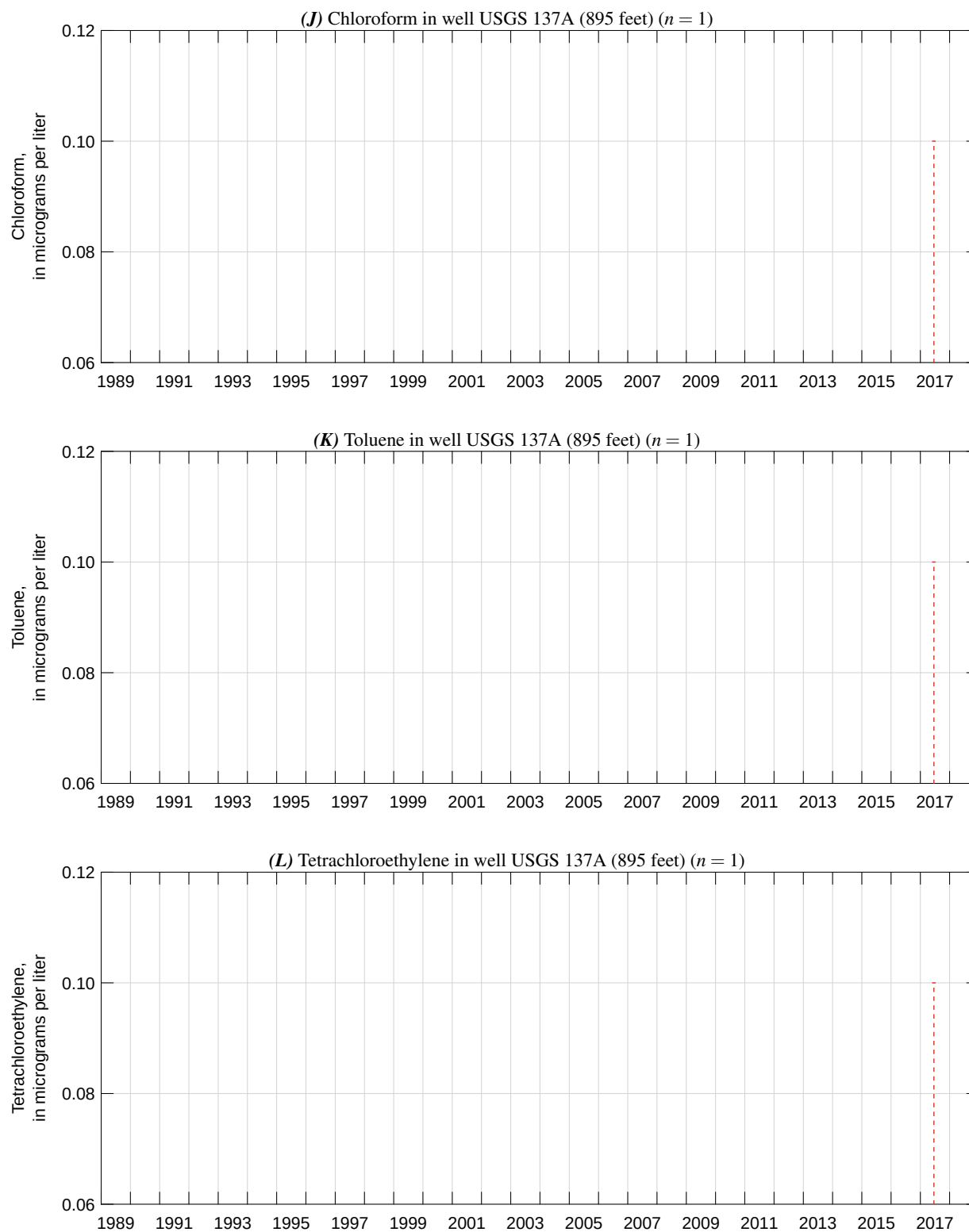


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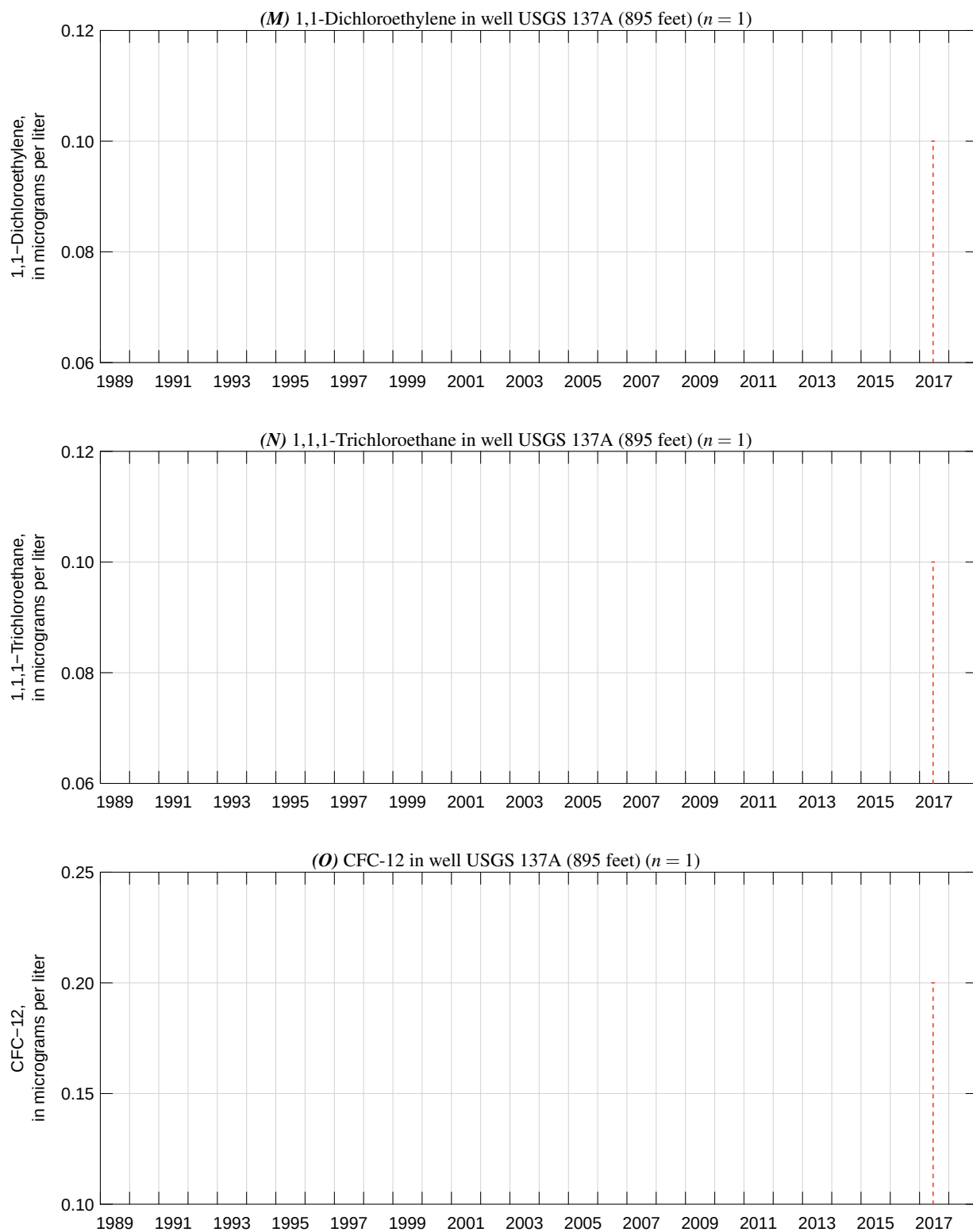


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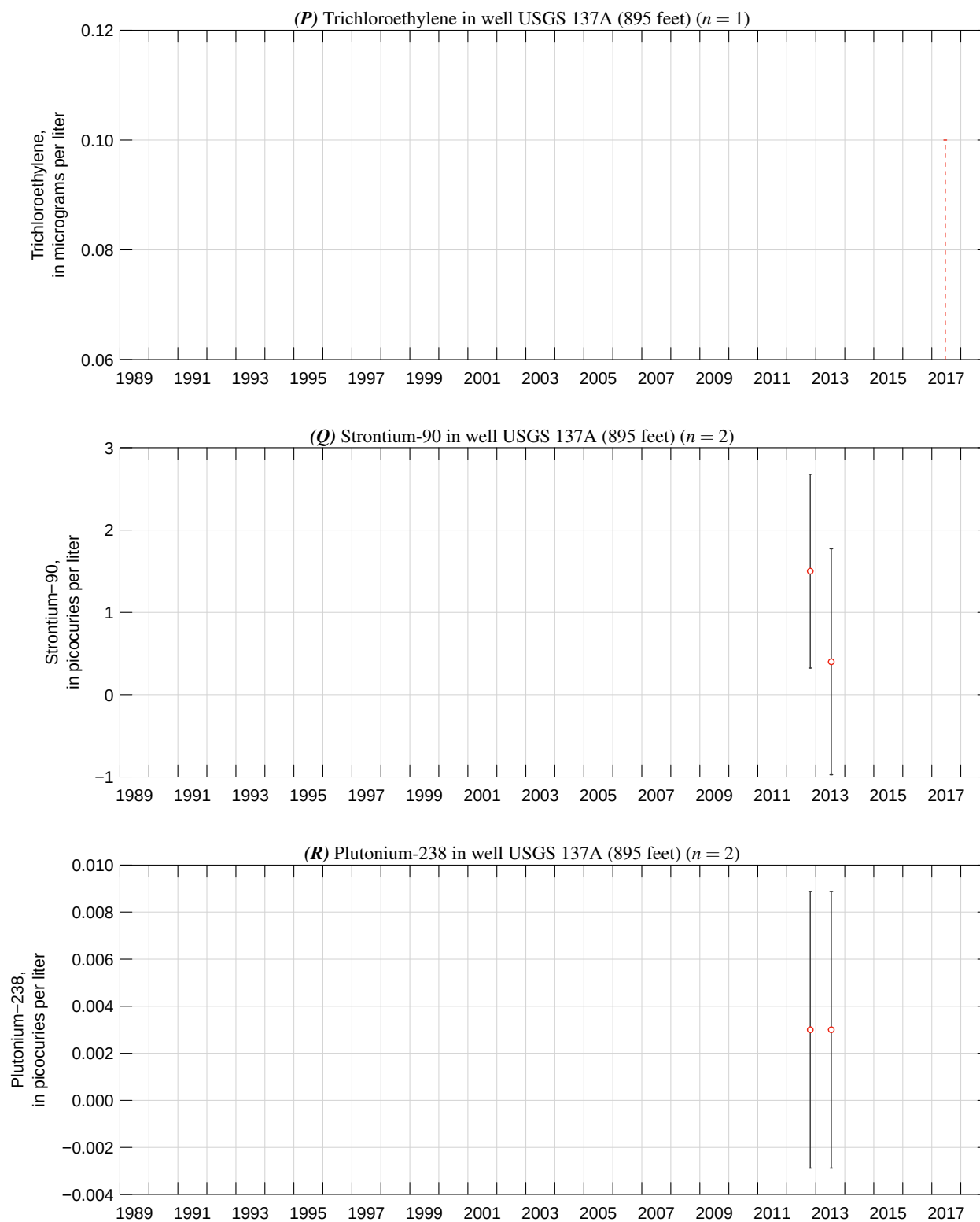


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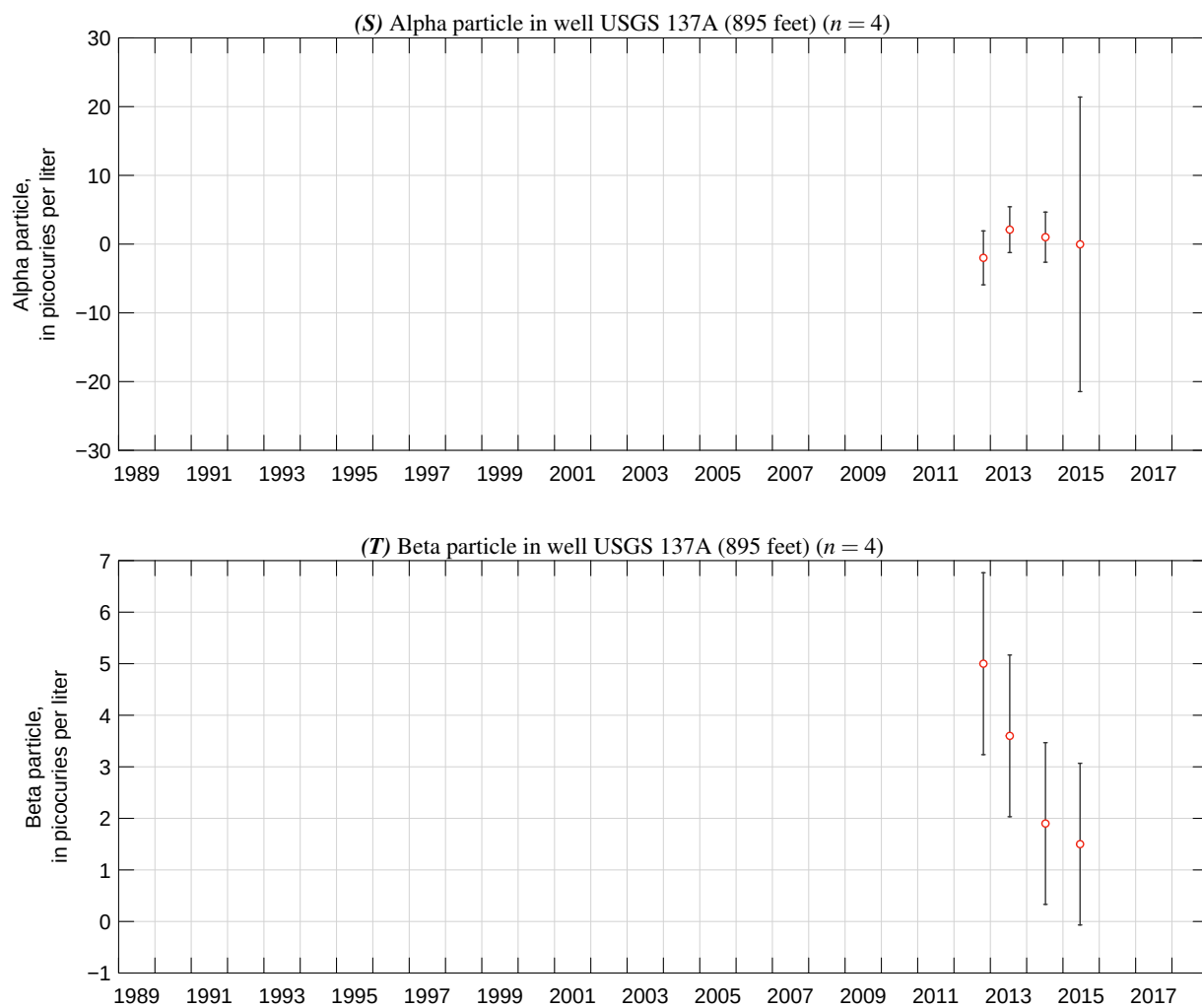


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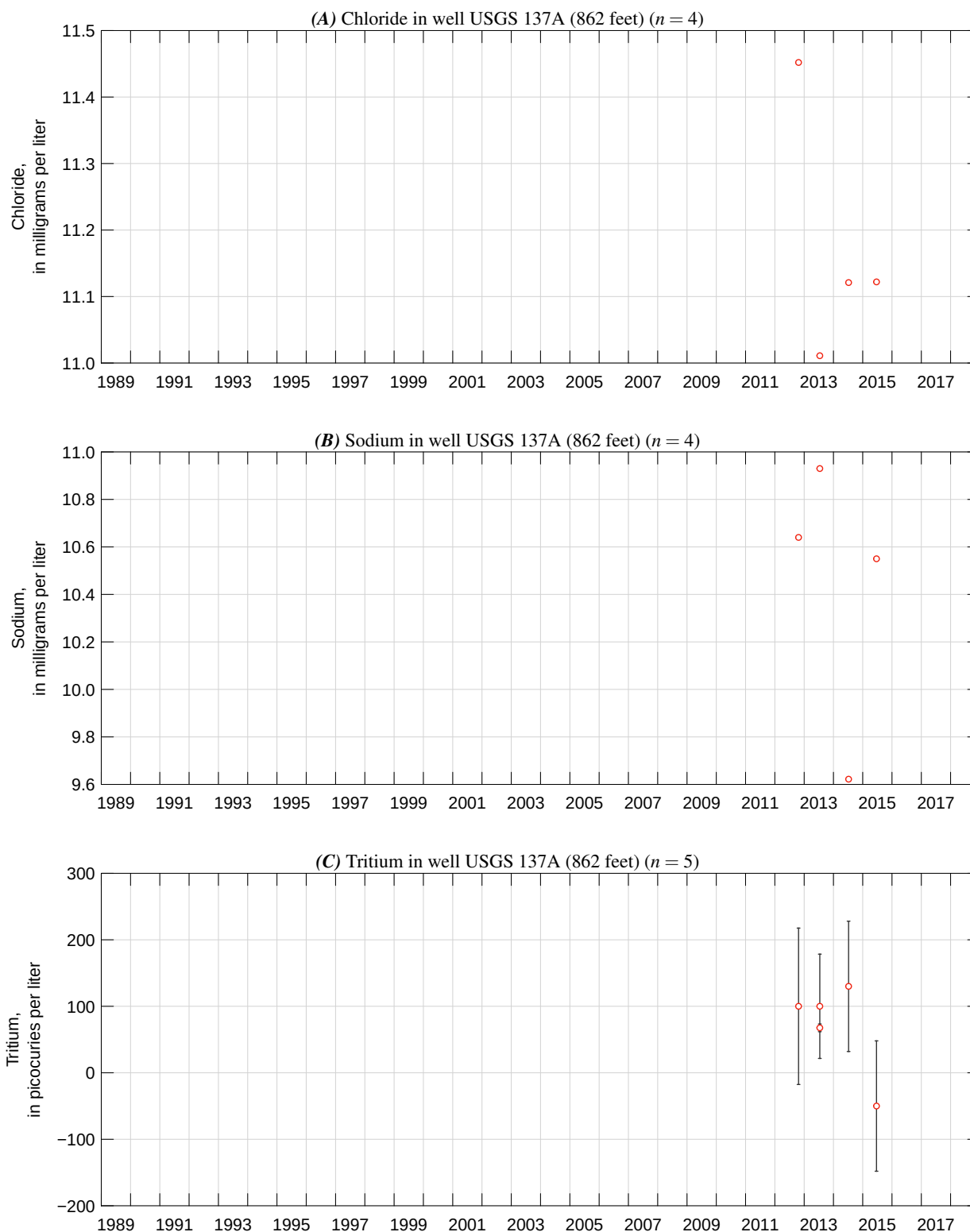


Figure 4.95. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, (R) plutonium-238, (S) alpha particle, and (T) beta particle concentrations in water collected from well USGS 137A (862 feet) (Site No. 432701113025803), Idaho National Laboratory, Idaho, 1989–2018.

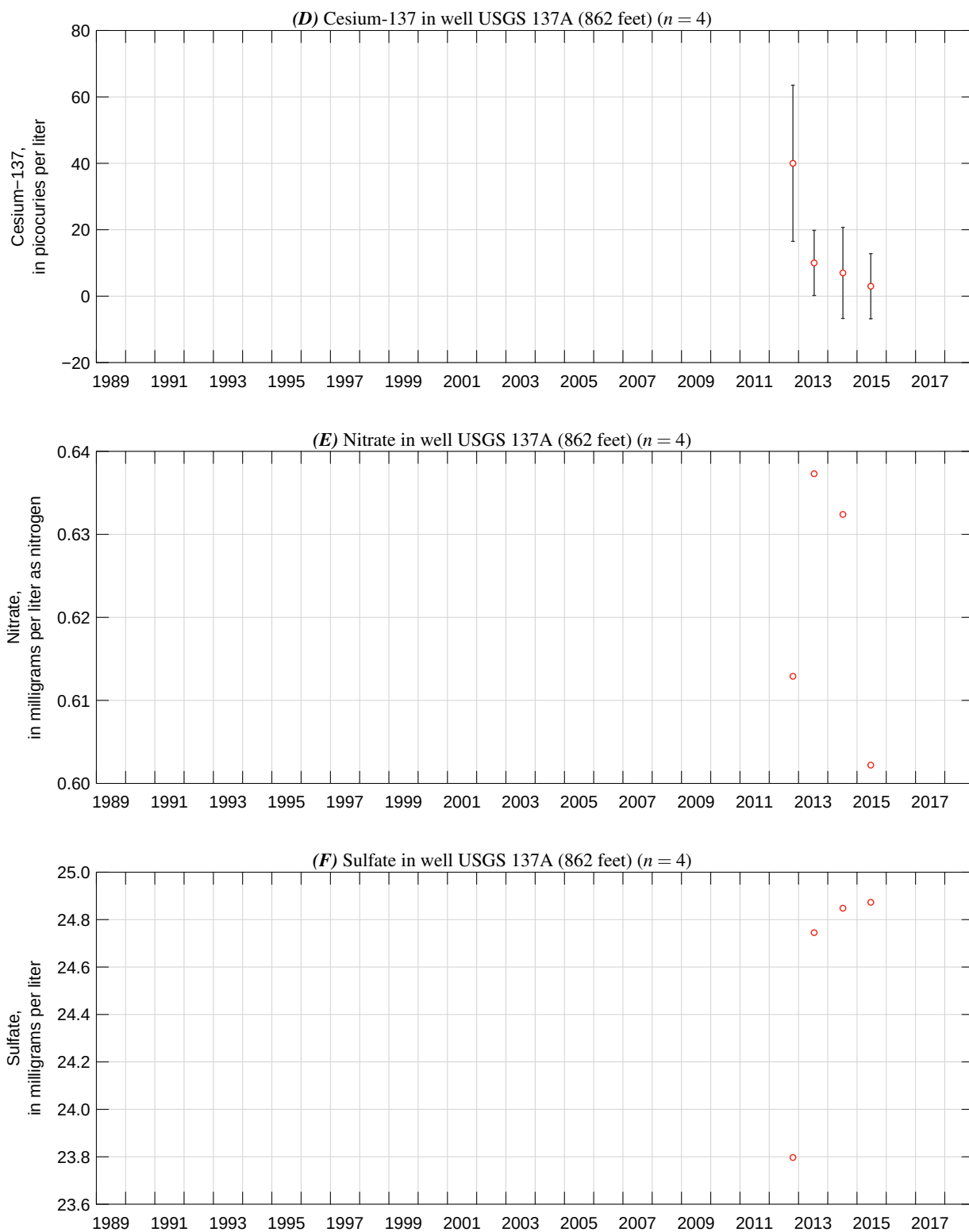


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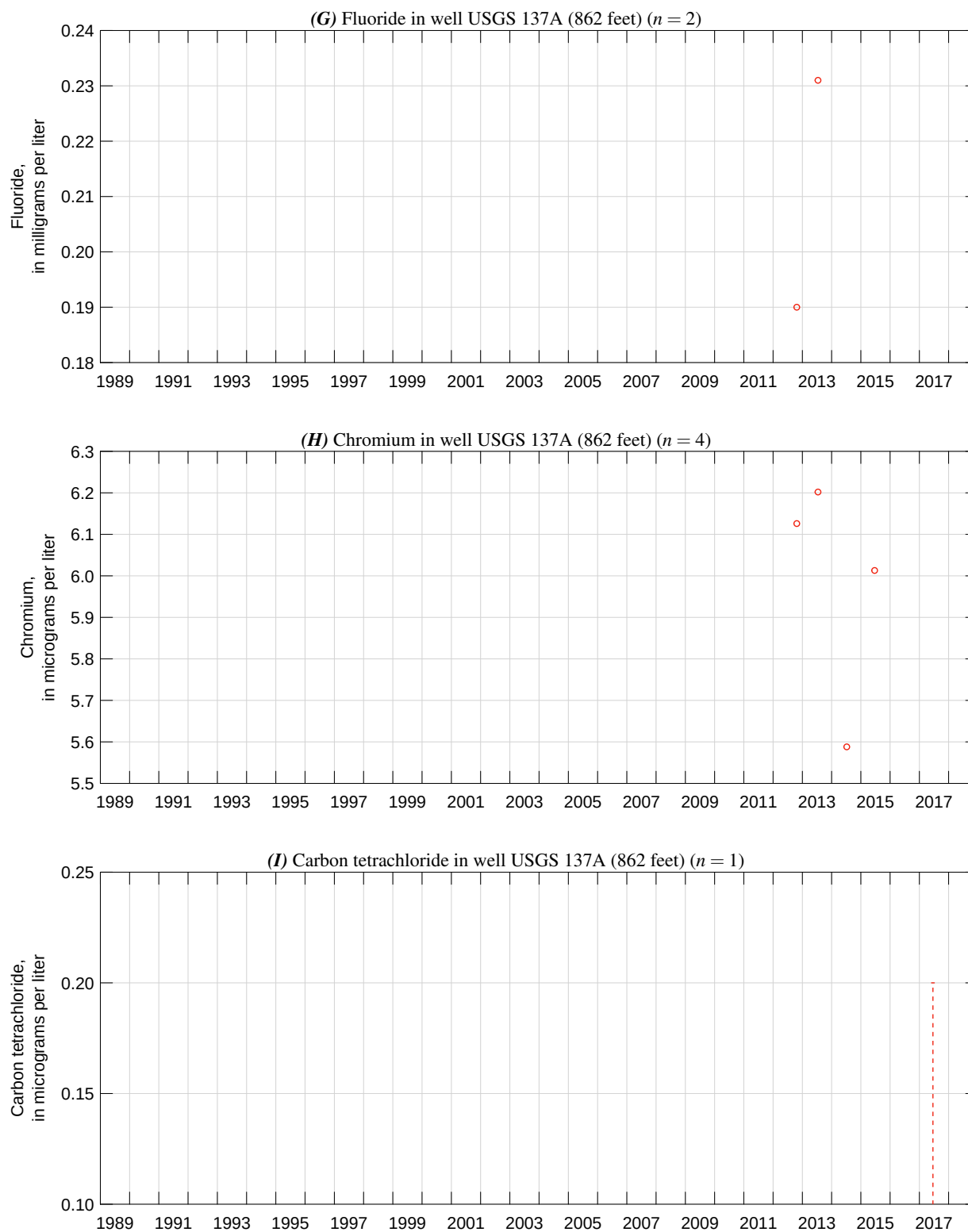


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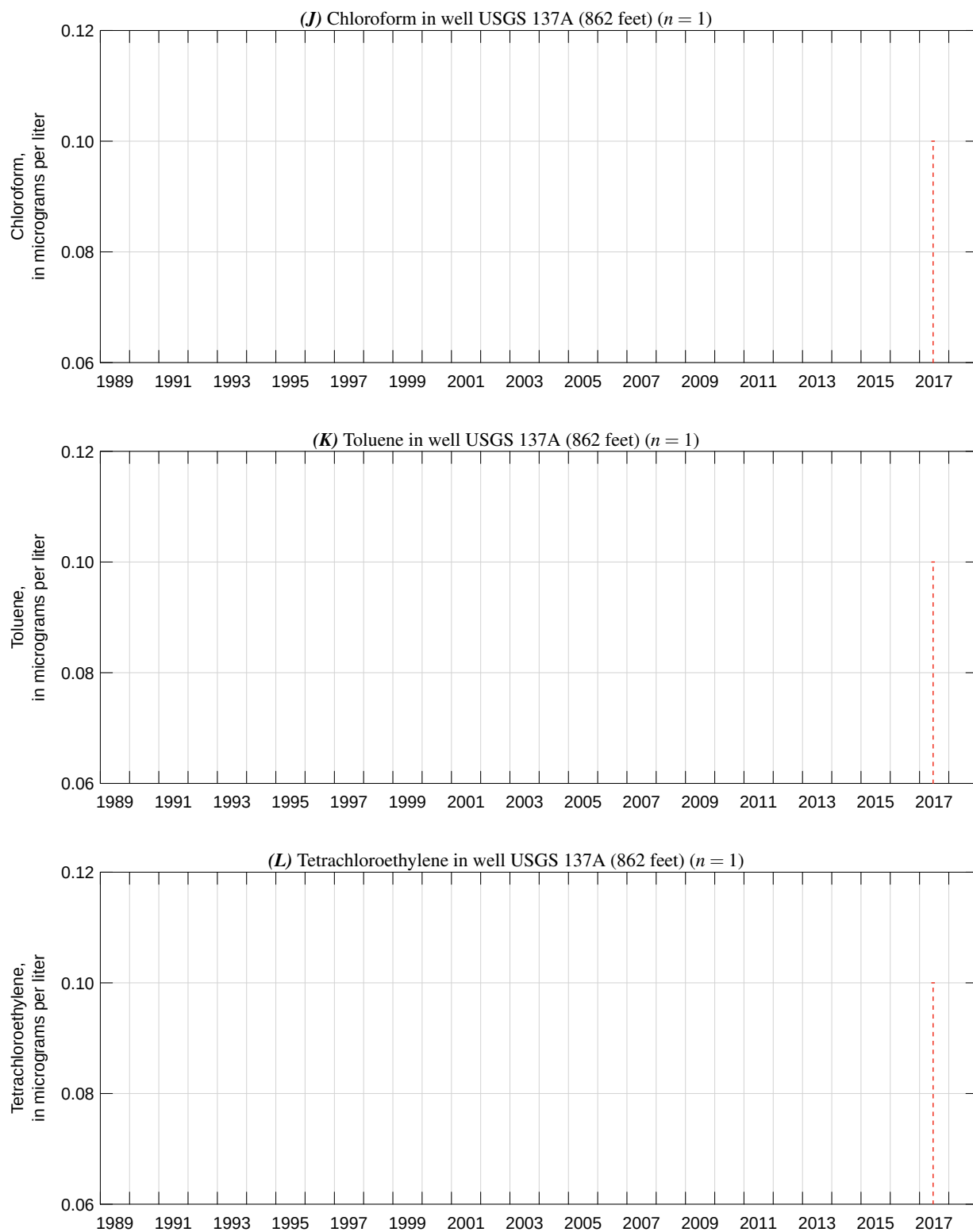


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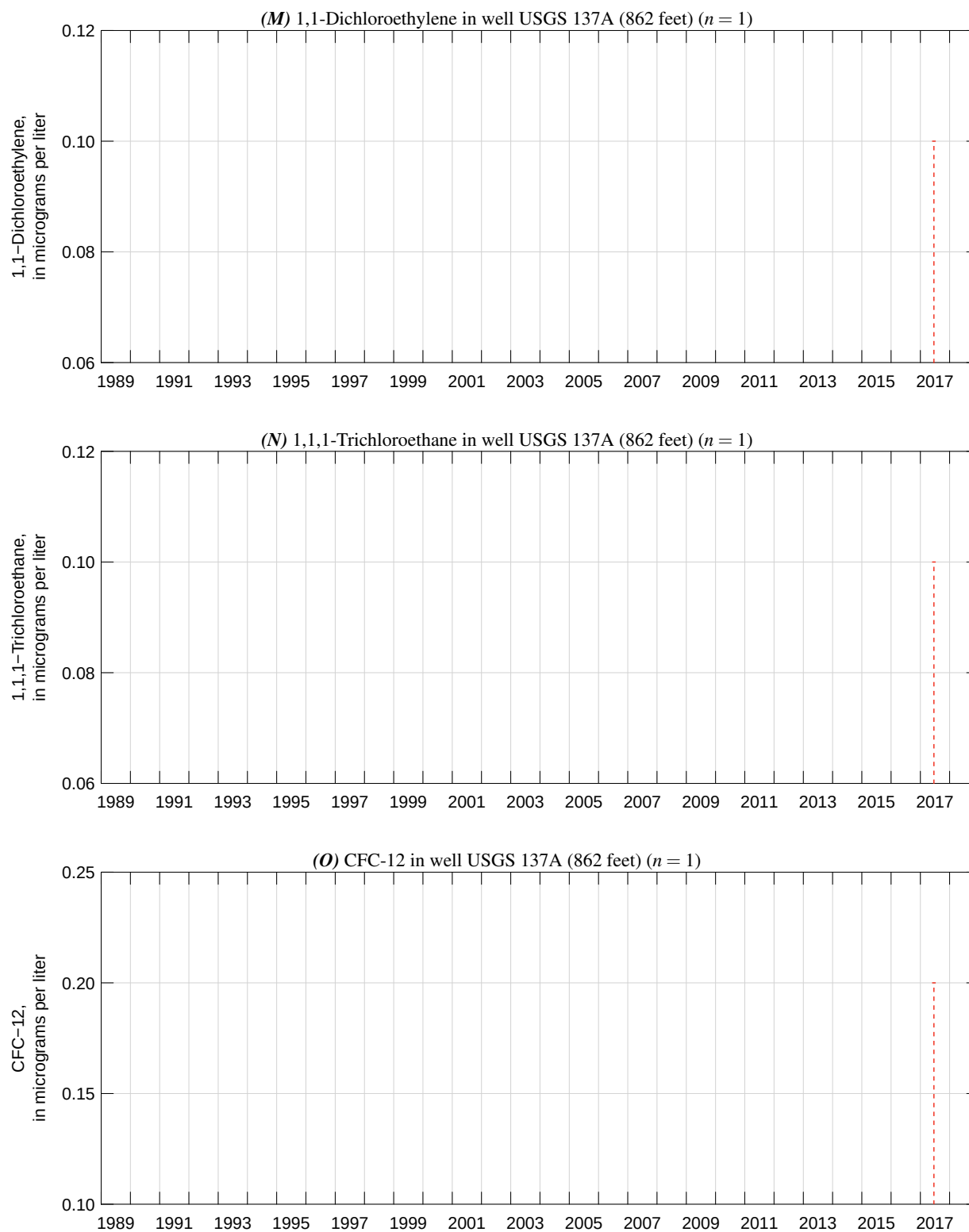


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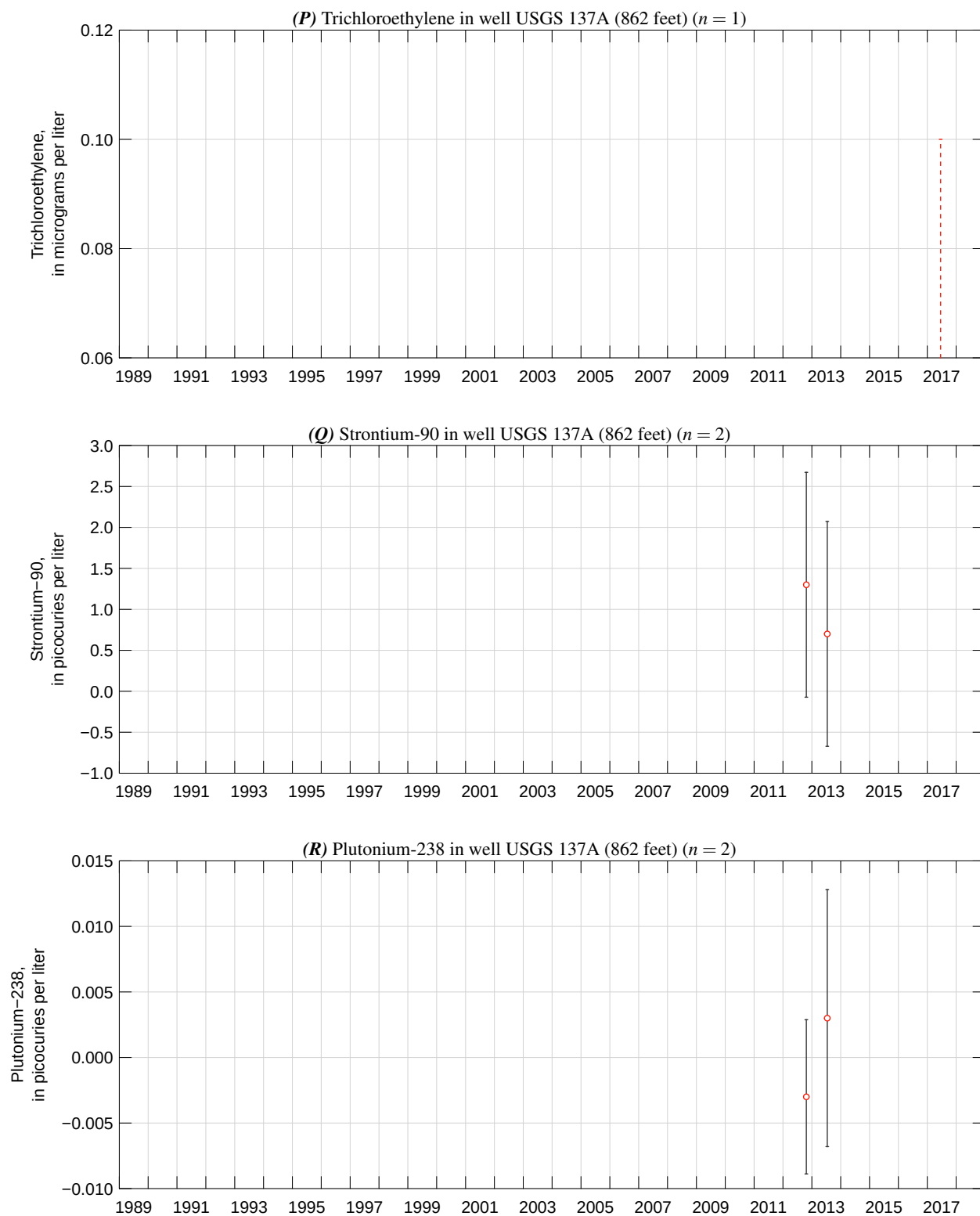


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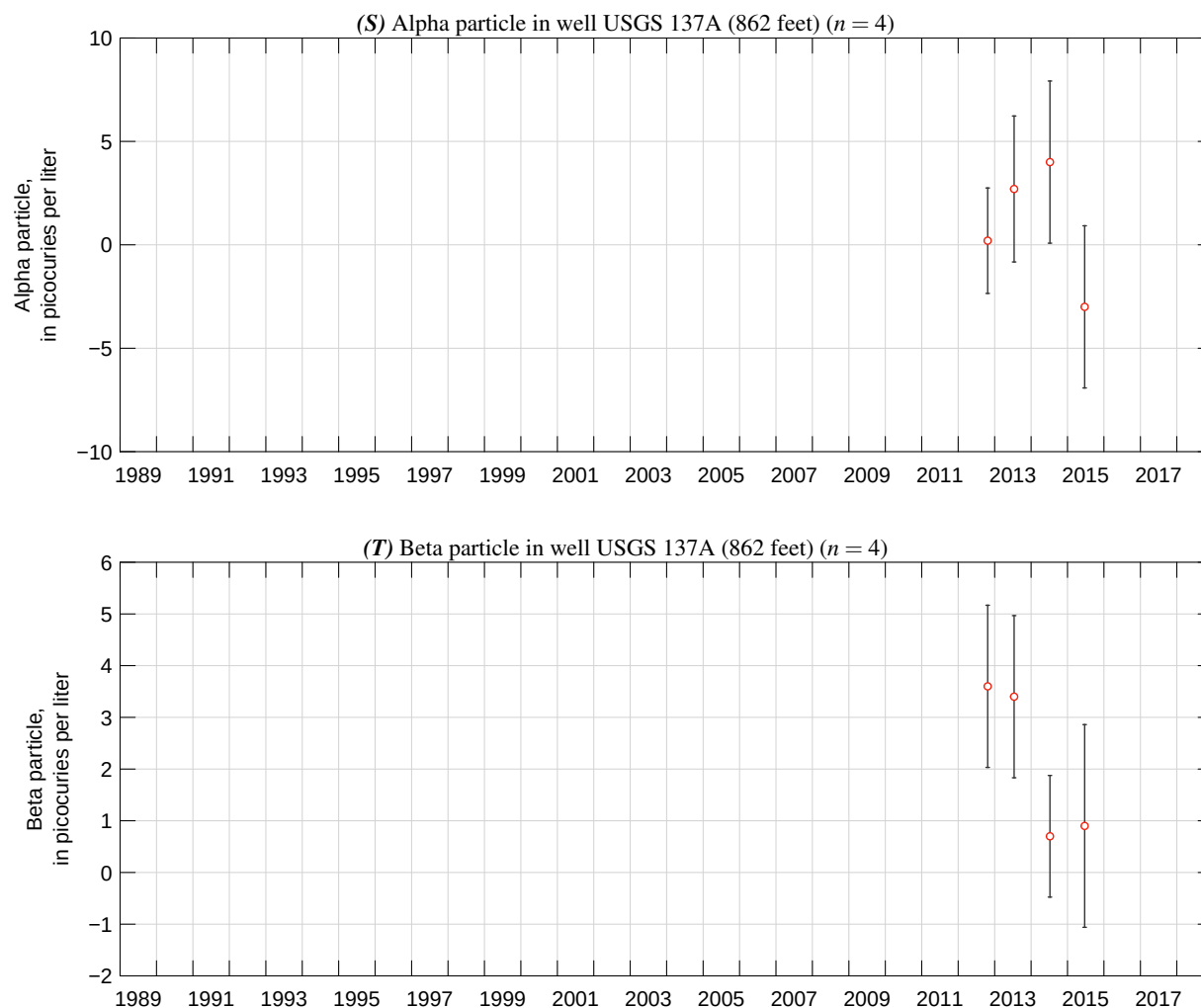


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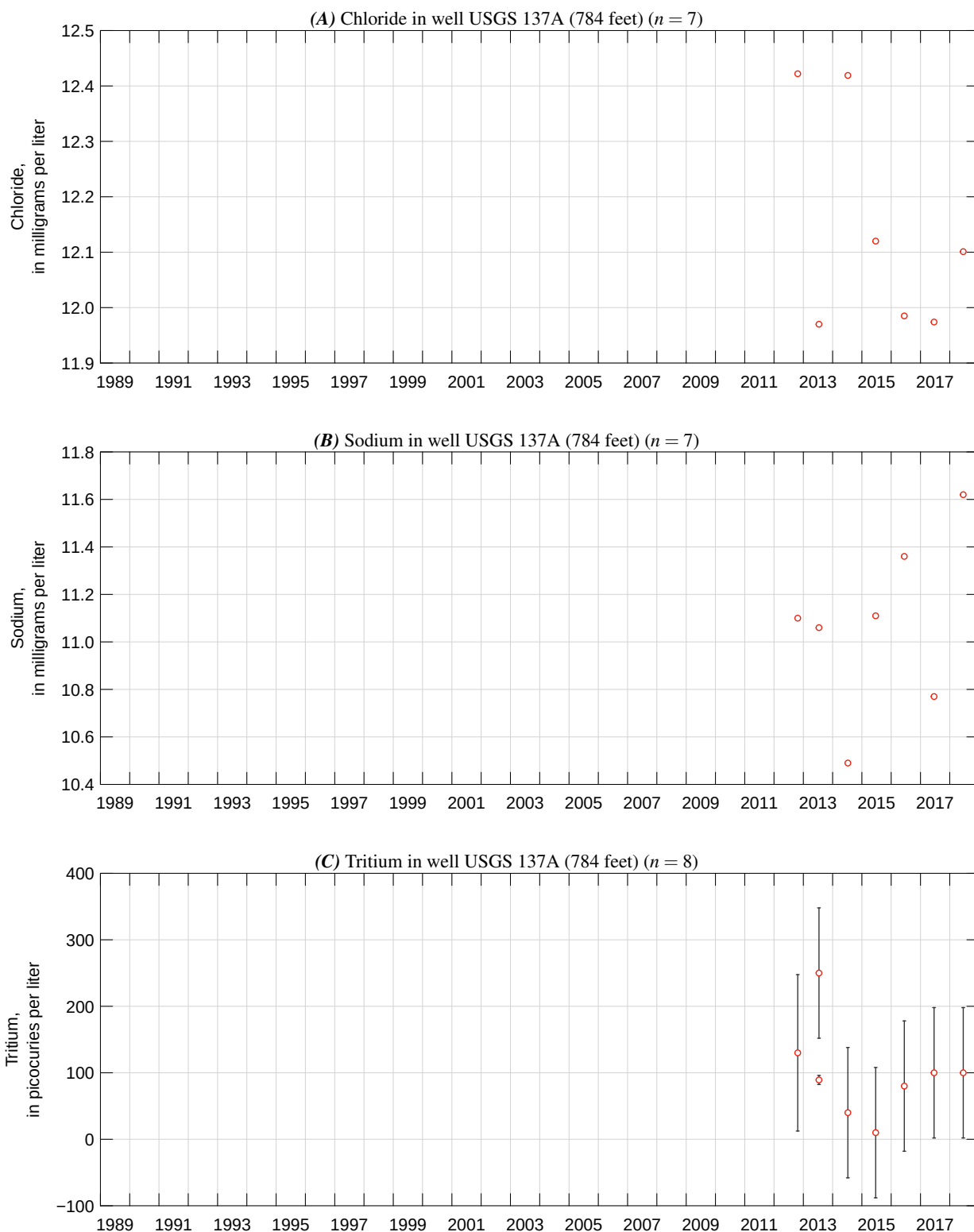


Figure 4.96. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, (R) plutonium-238, (S) alpha particle, and (T) beta particle concentrations in water collected from well USGS 137A (784 feet) (Site No. 432701113025805), Idaho National Laboratory, Idaho, 1989–2018.

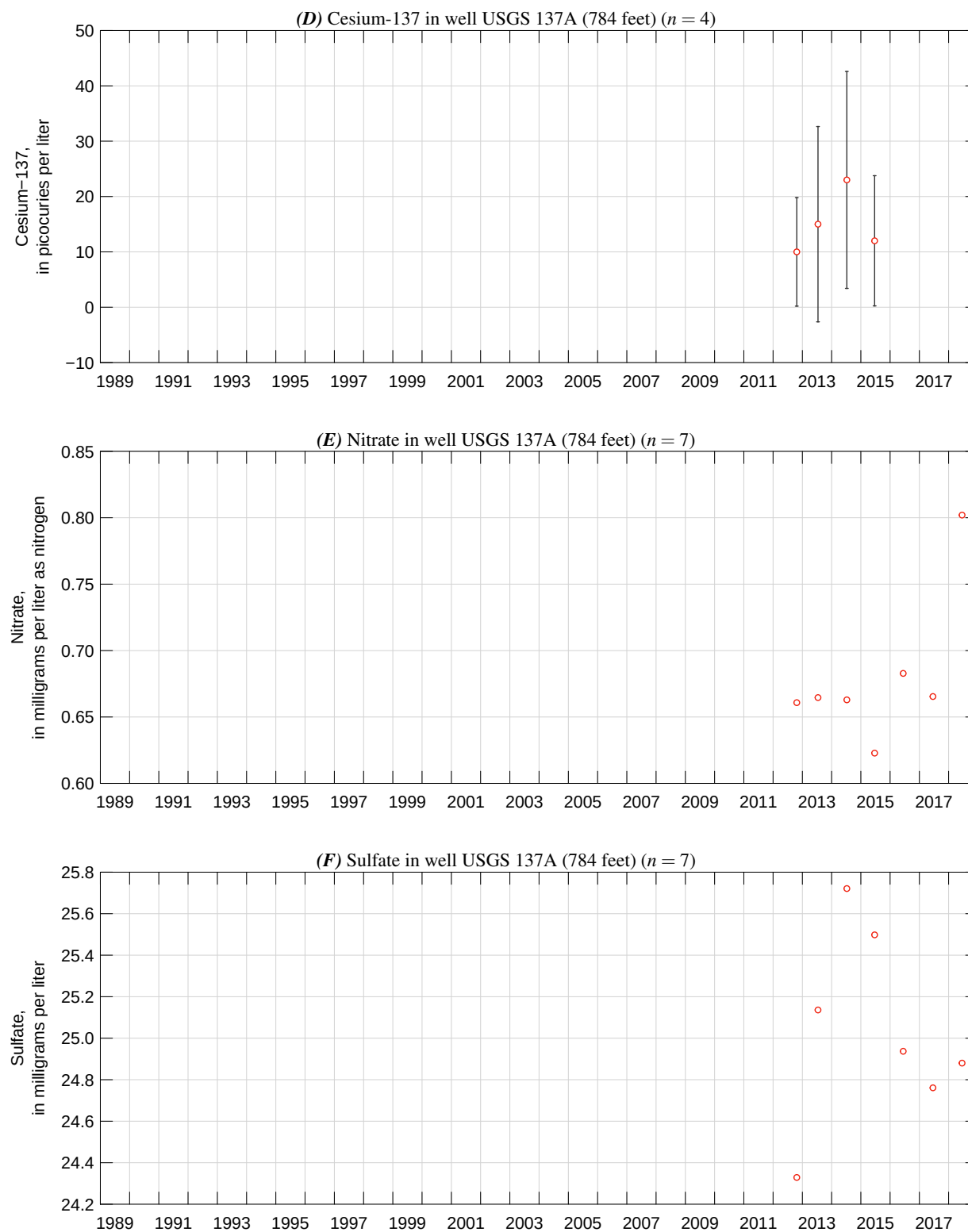


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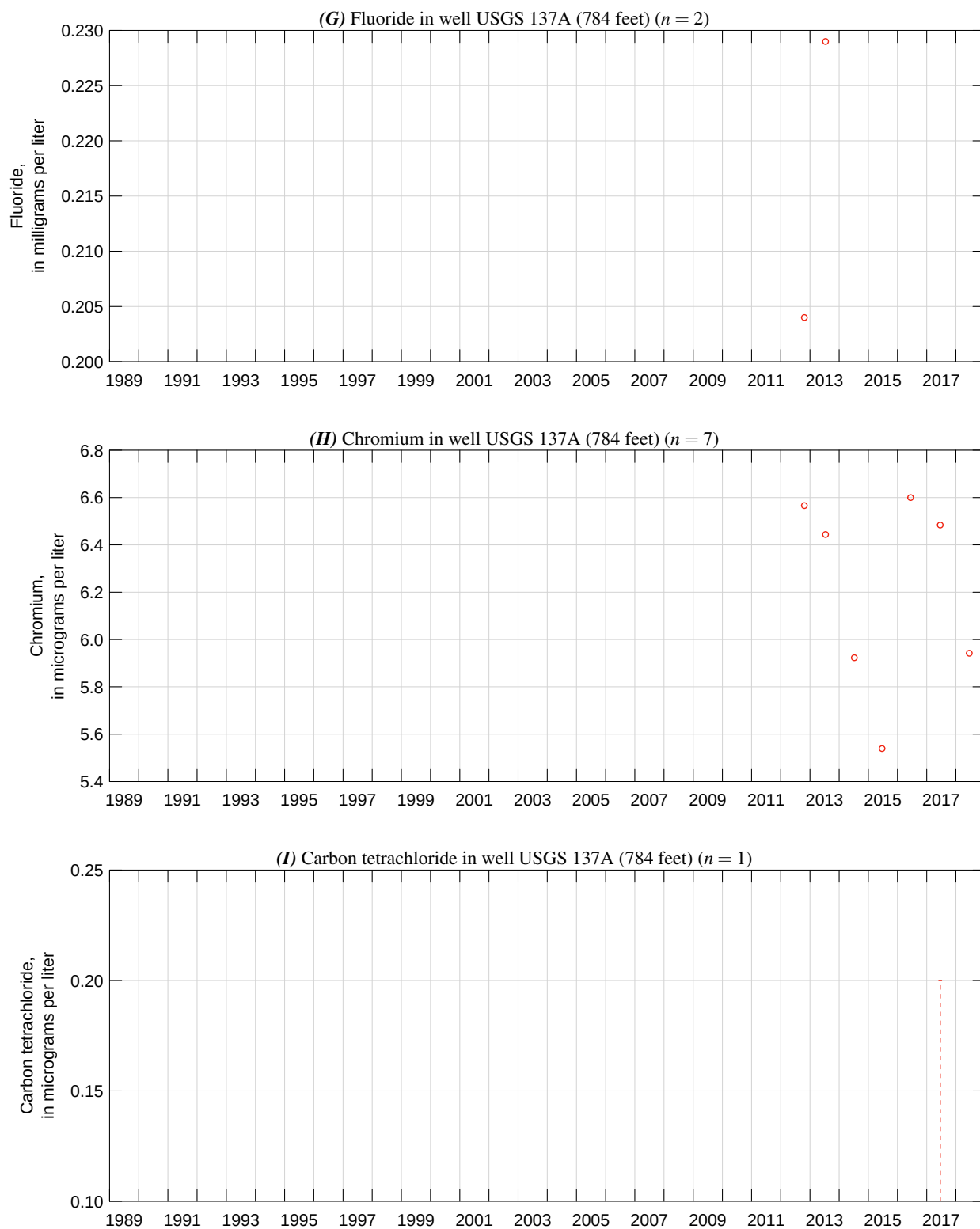


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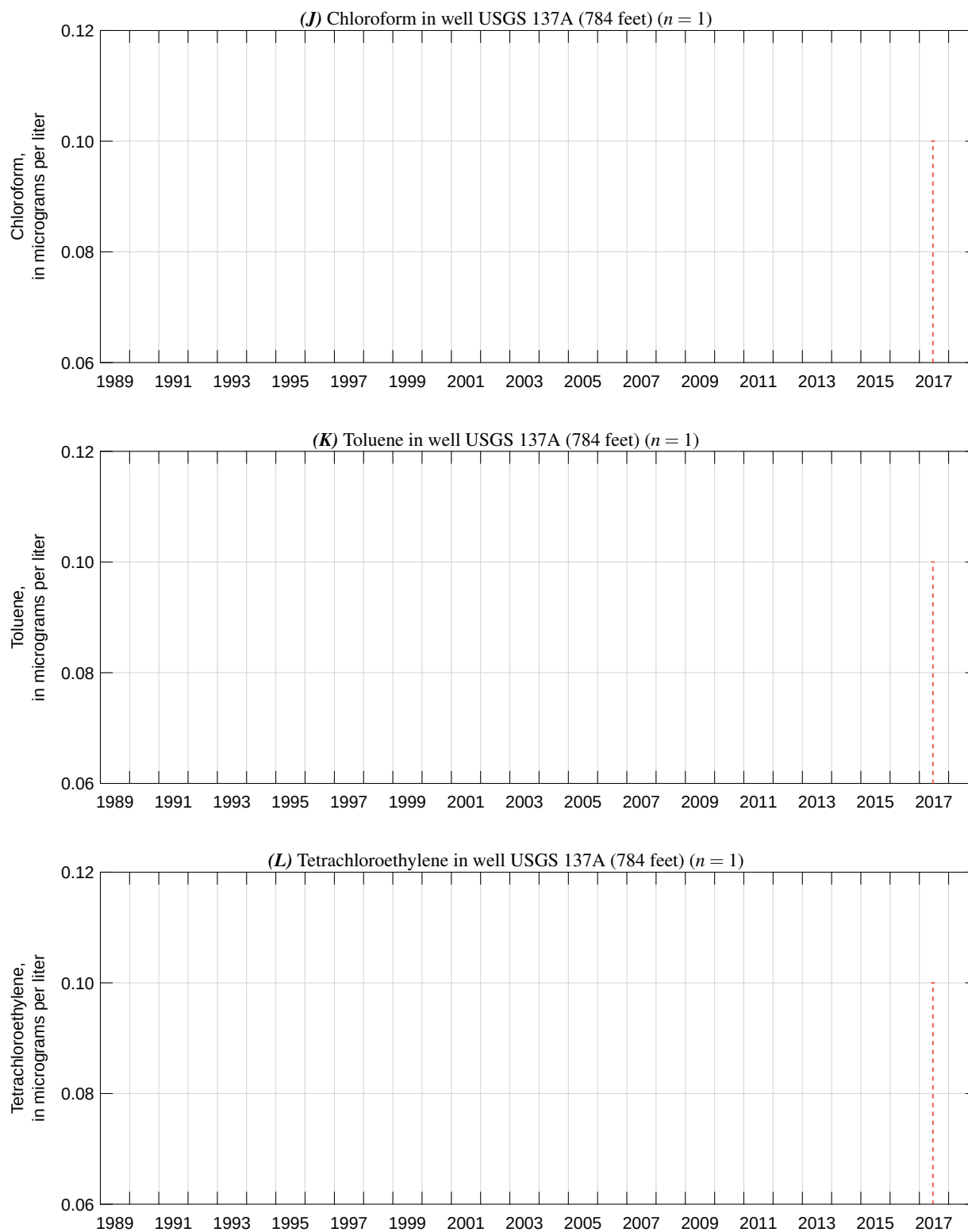


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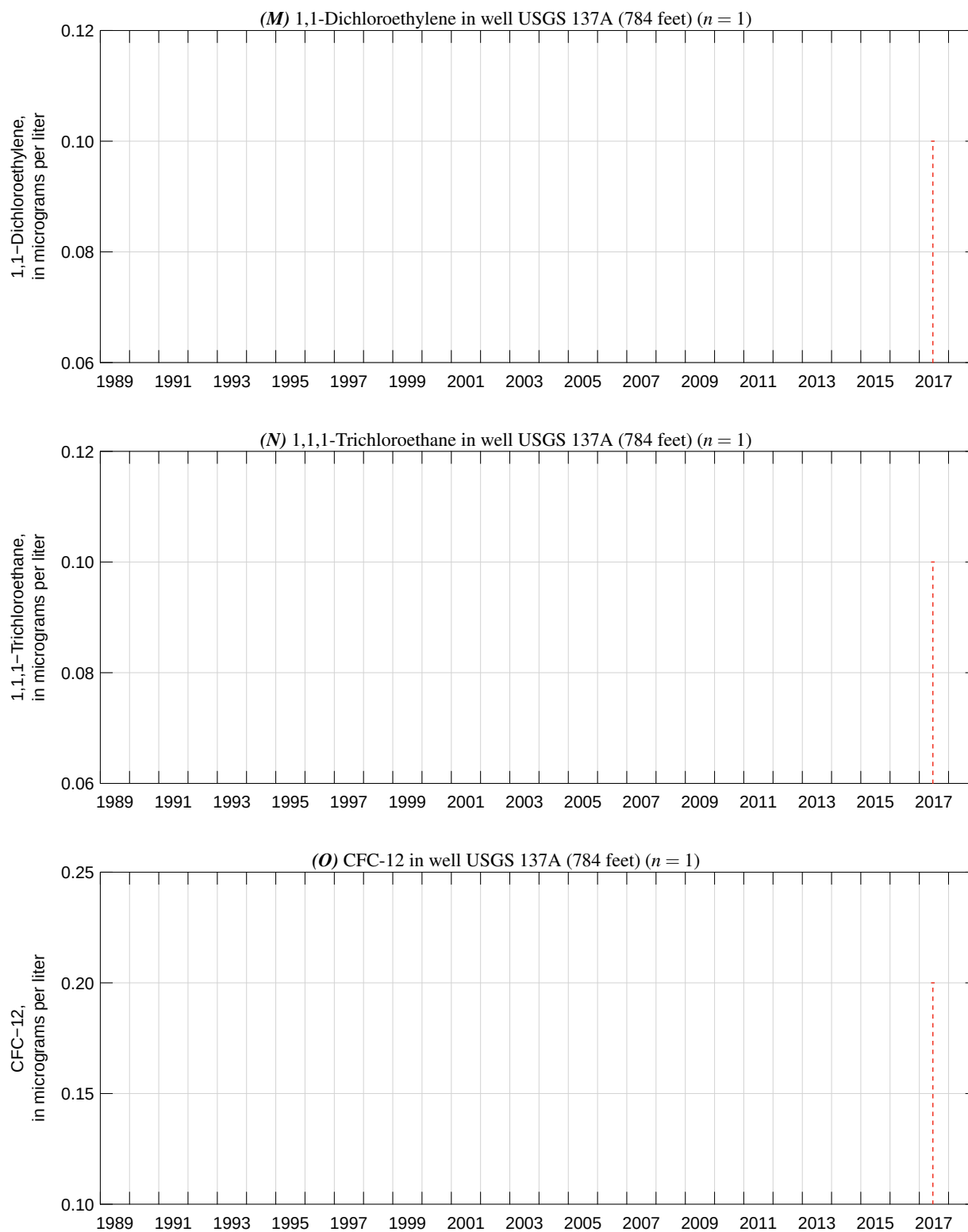


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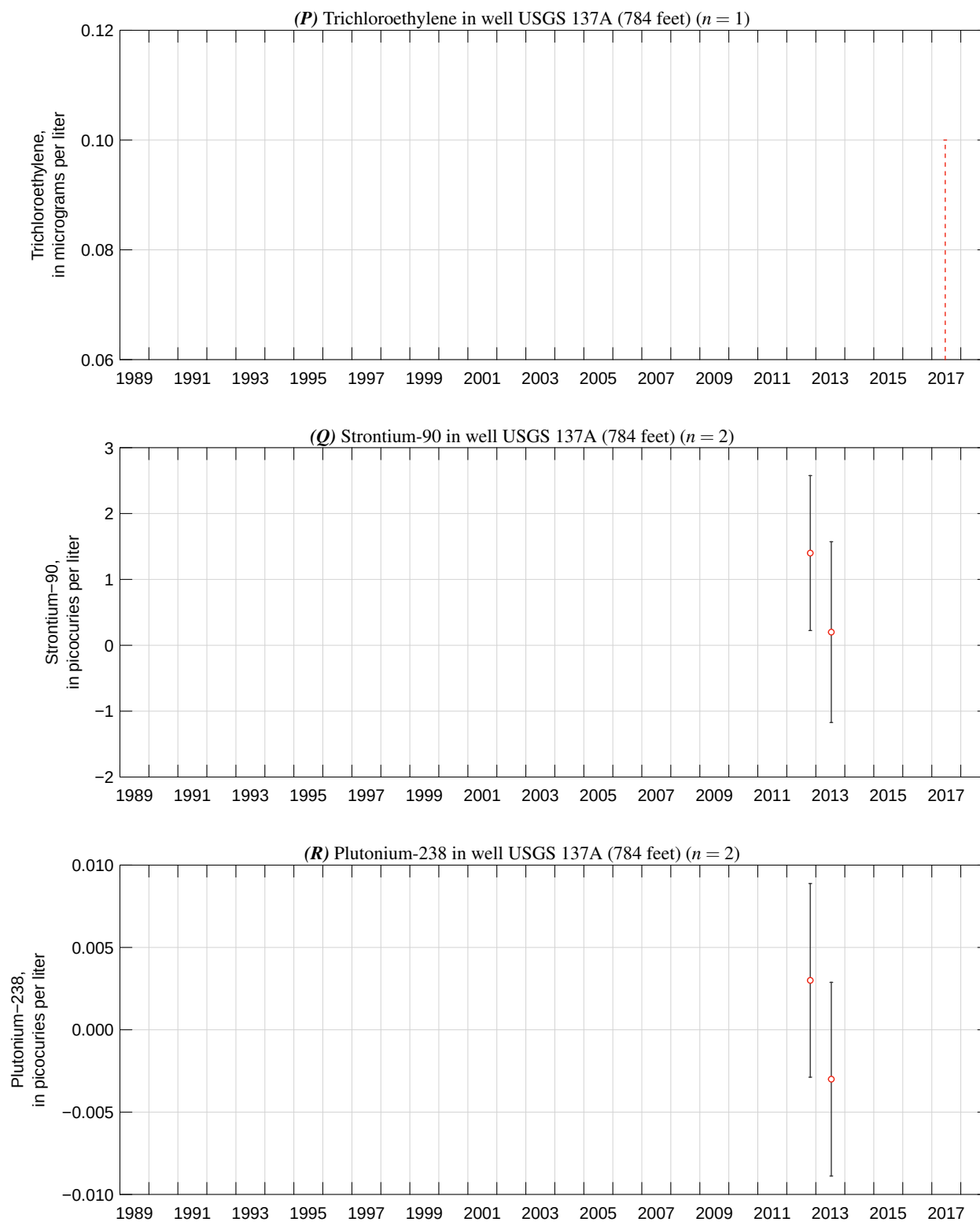
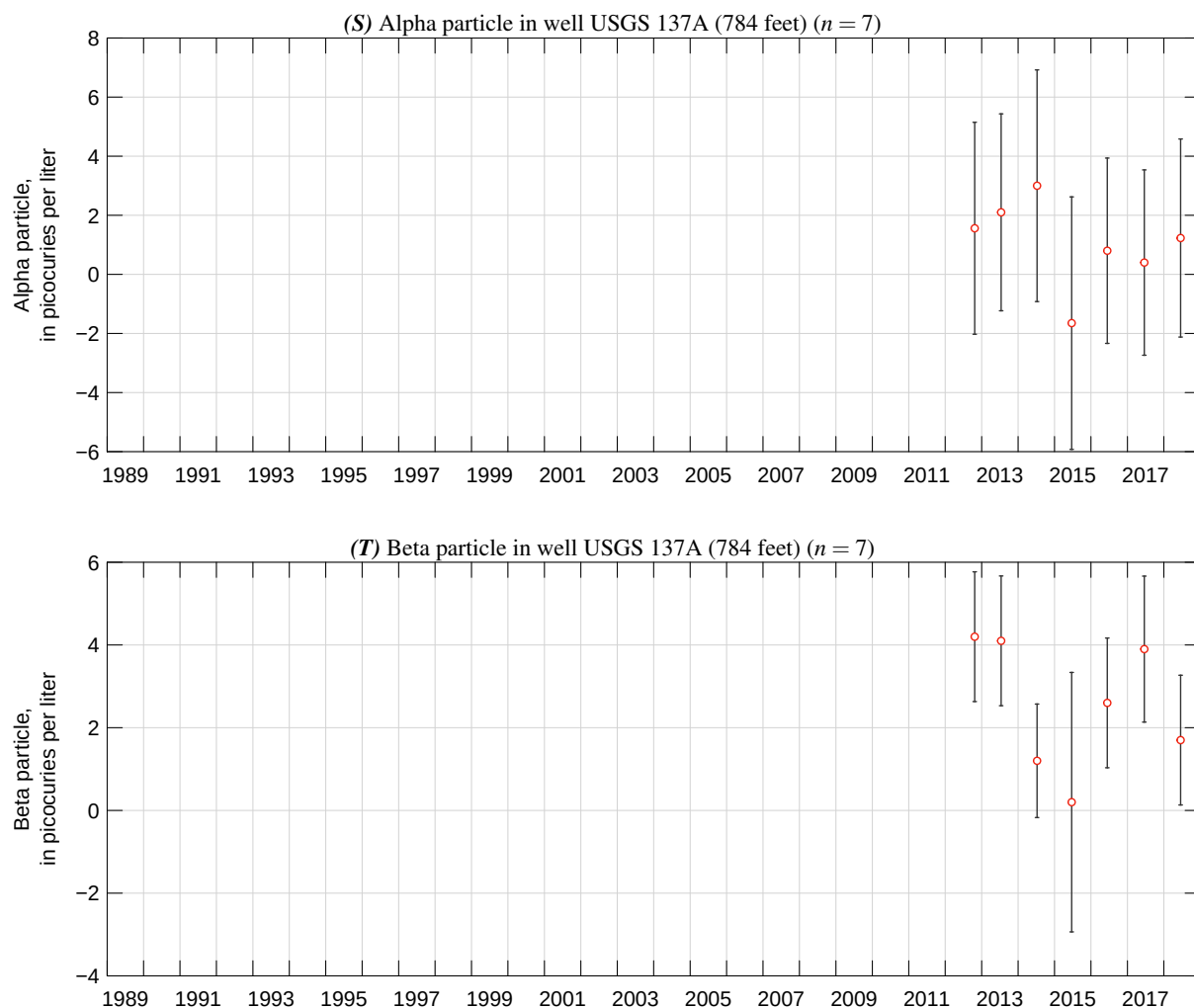


Figure 4.96. —Continued



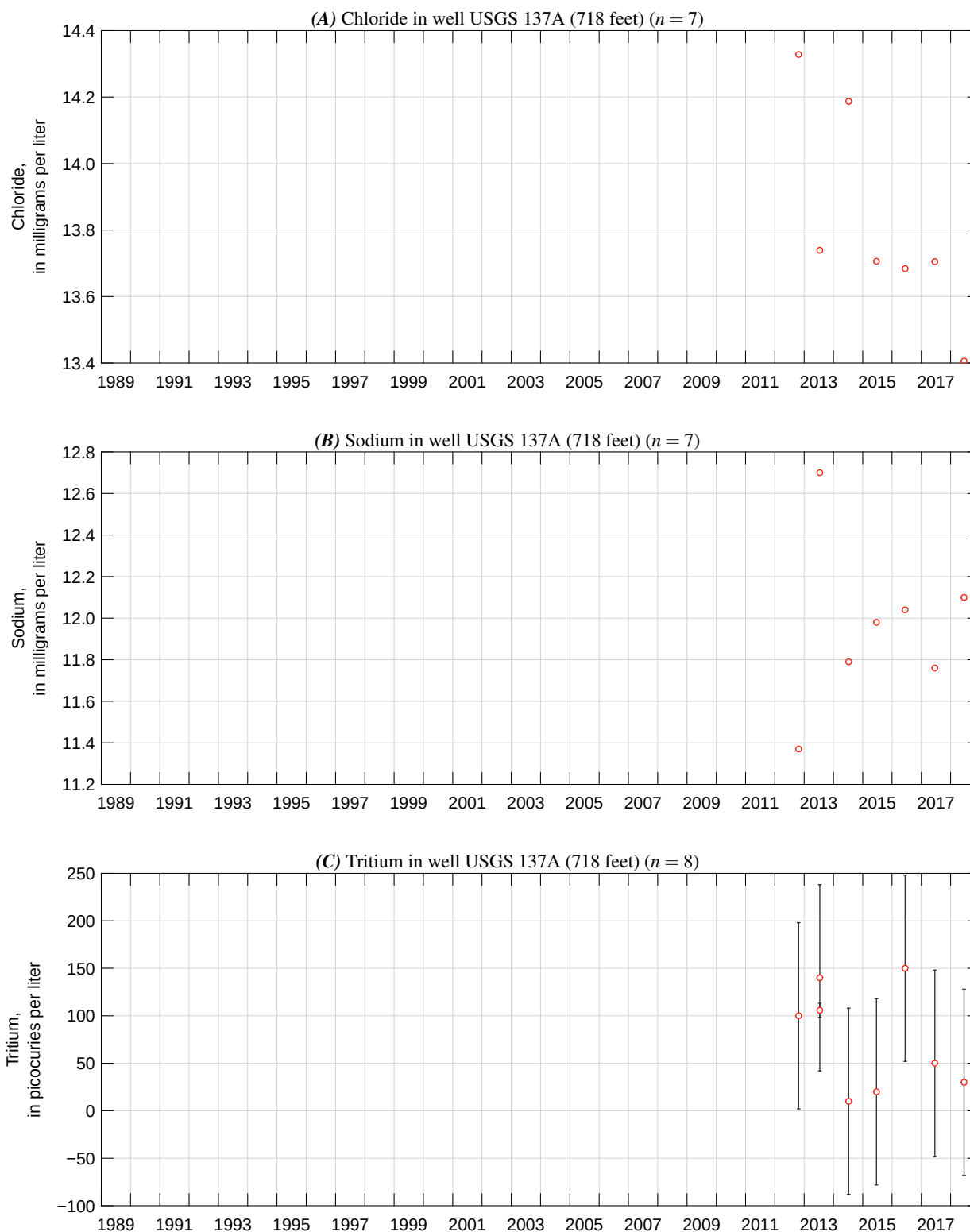


Figure 4.97. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, (R) plutonium-238, (S) alpha particle, and (T) beta particle concentrations in water collected from well USGS 137A (718 feet) (Site No. 432701113025807), Idaho National Laboratory, Idaho, 1989–2018.

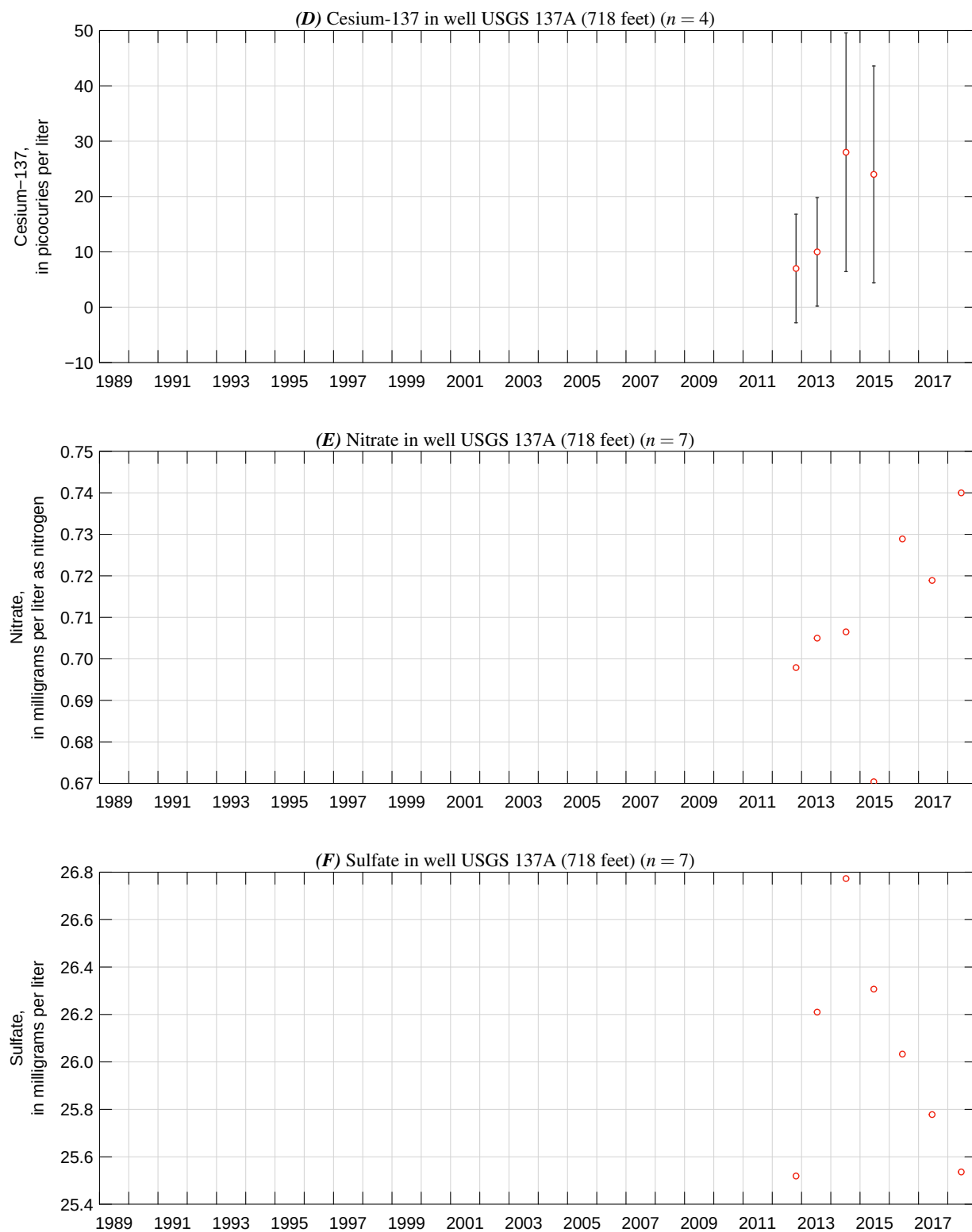


Figure 4.97. —Continued

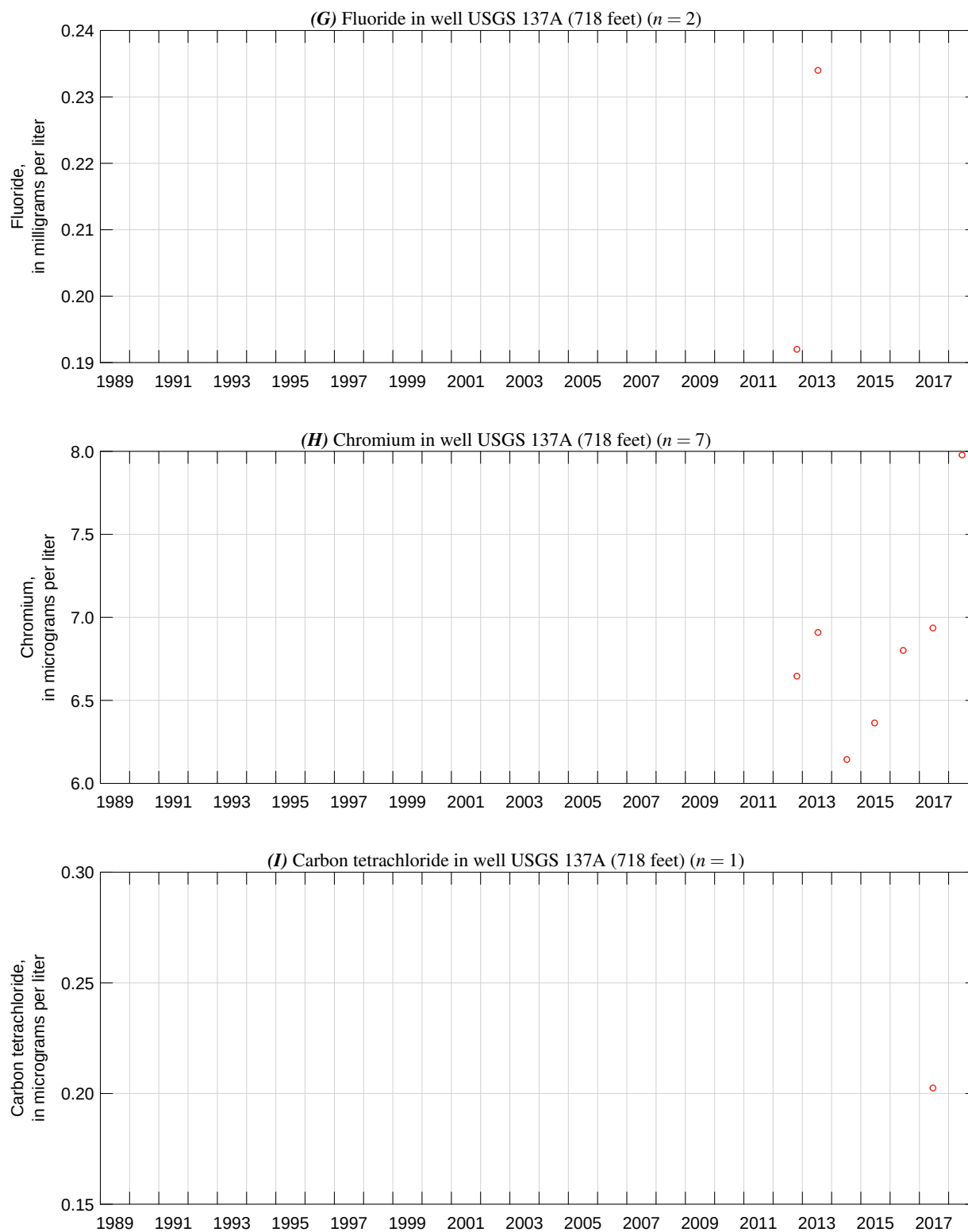


Figure 4.97. —Continued

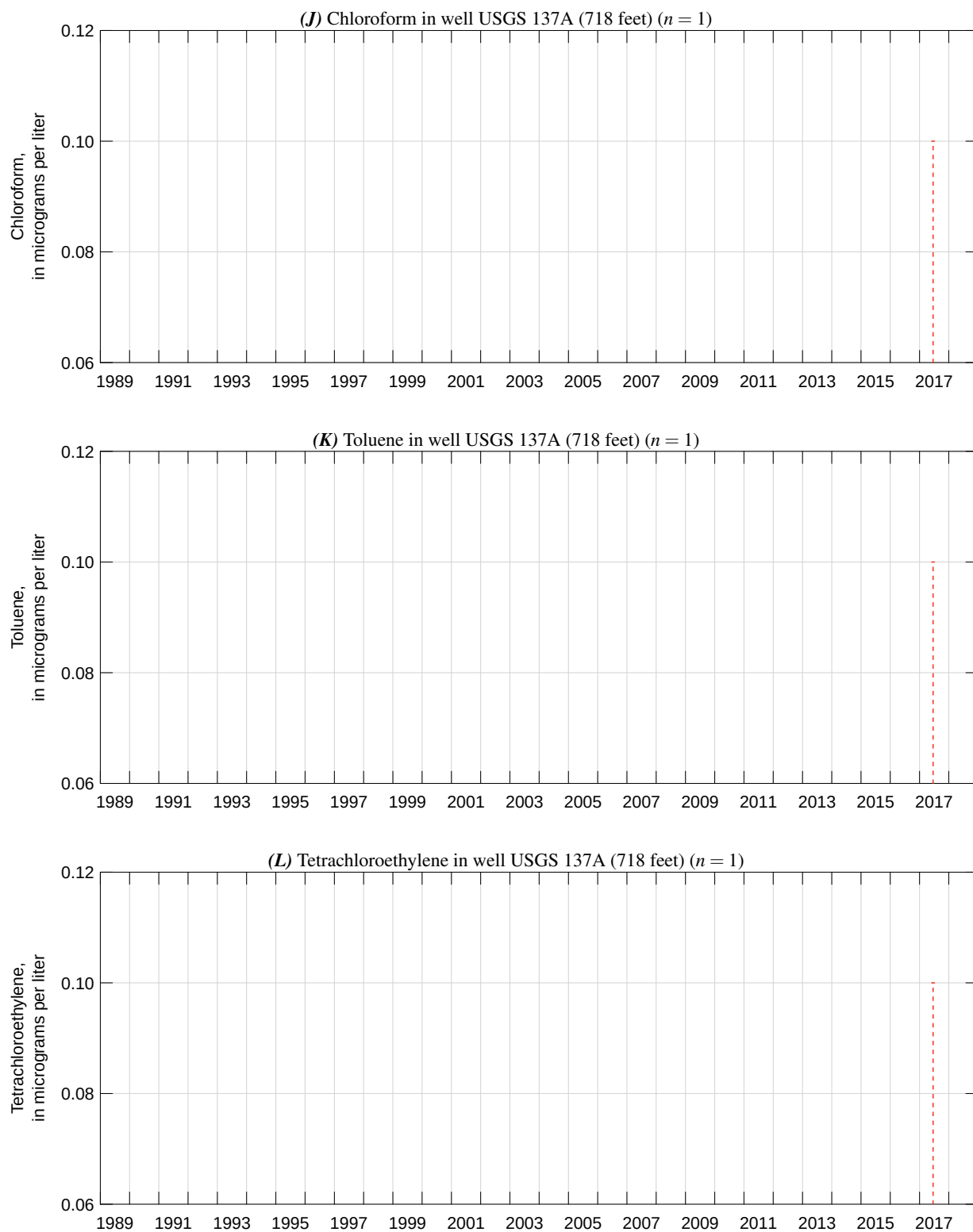


Figure 4.97. —Continued

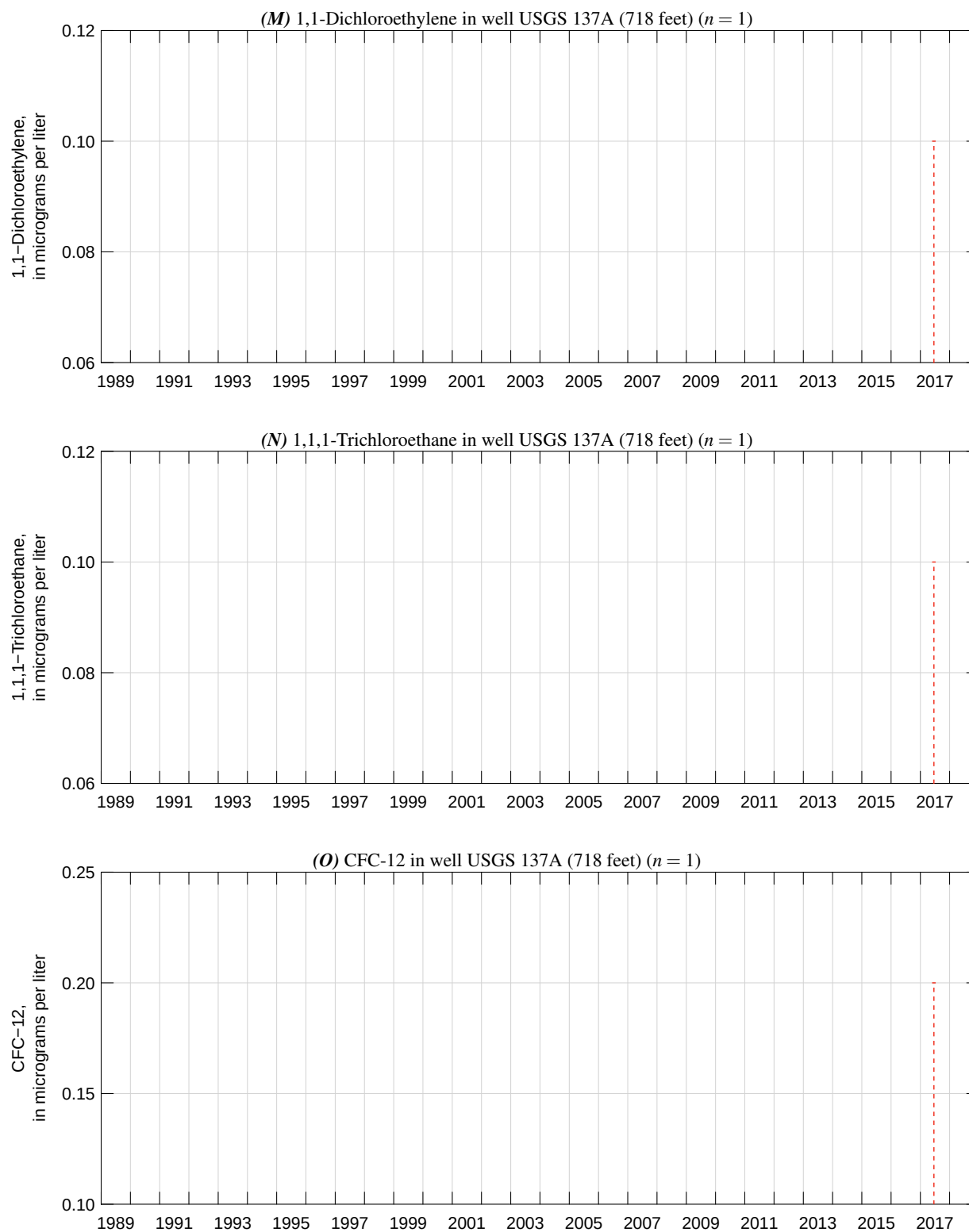


Figure 4.97. —Continued

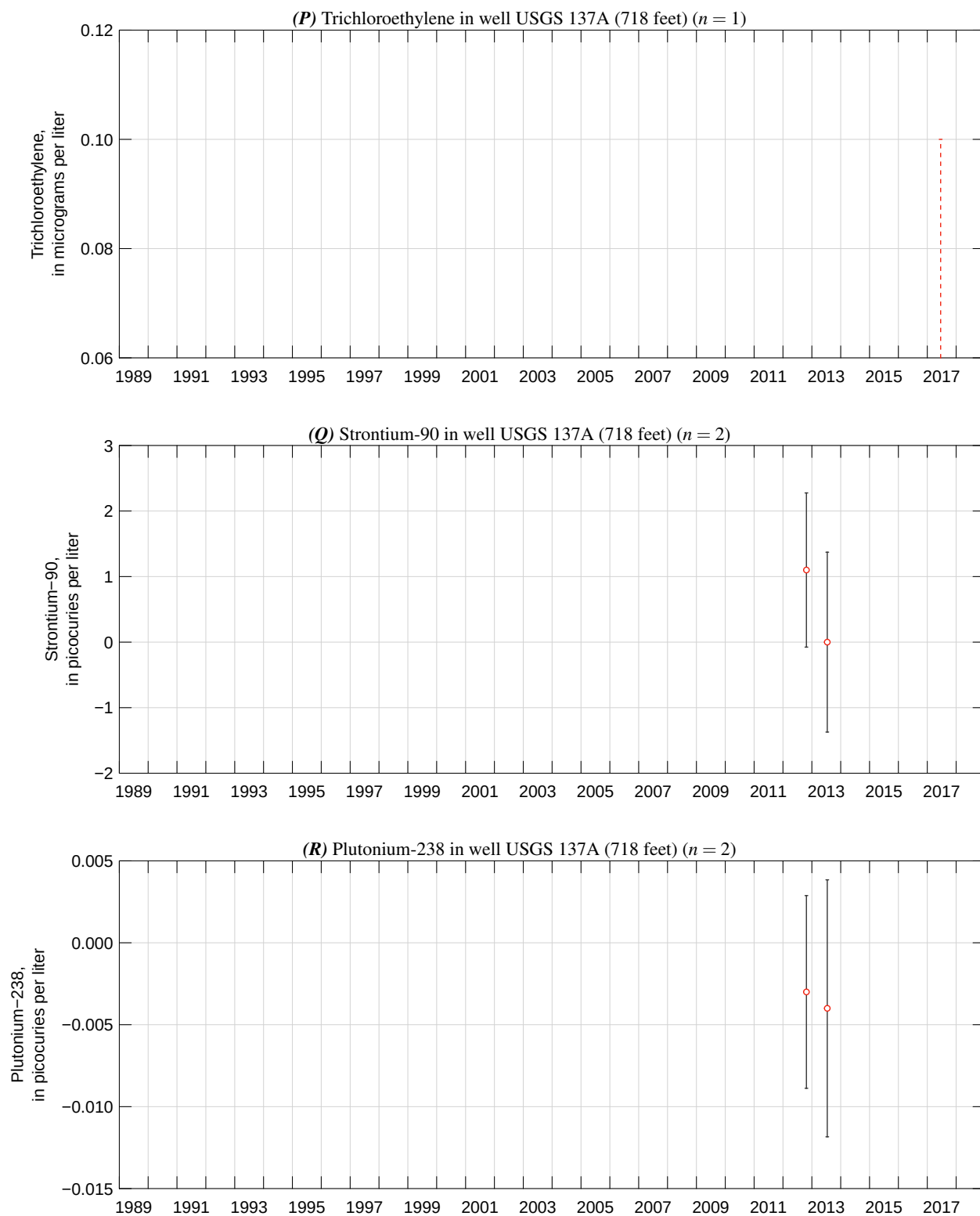


Figure 4.97. —Continued

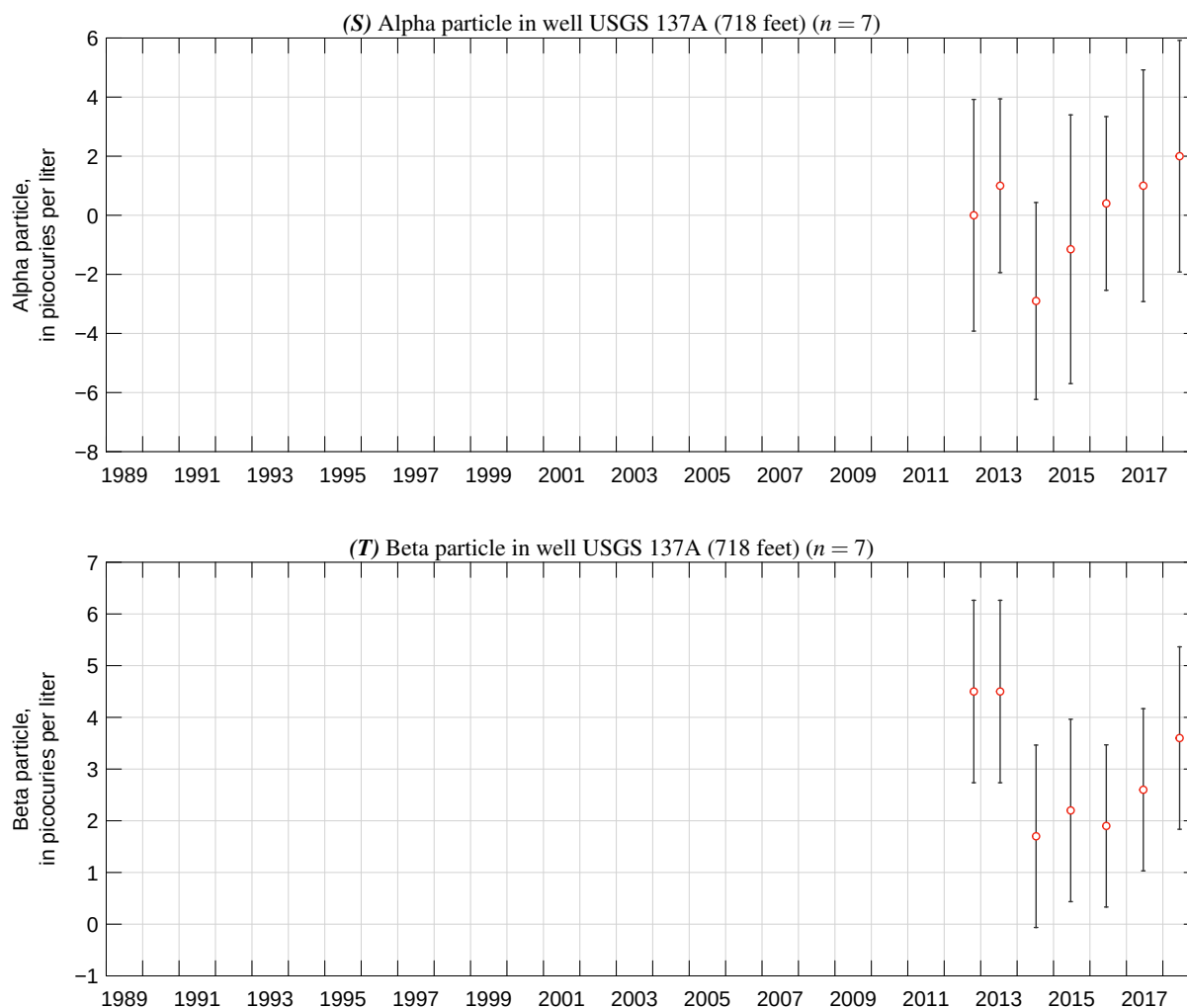


Figure 4.97. —Continued

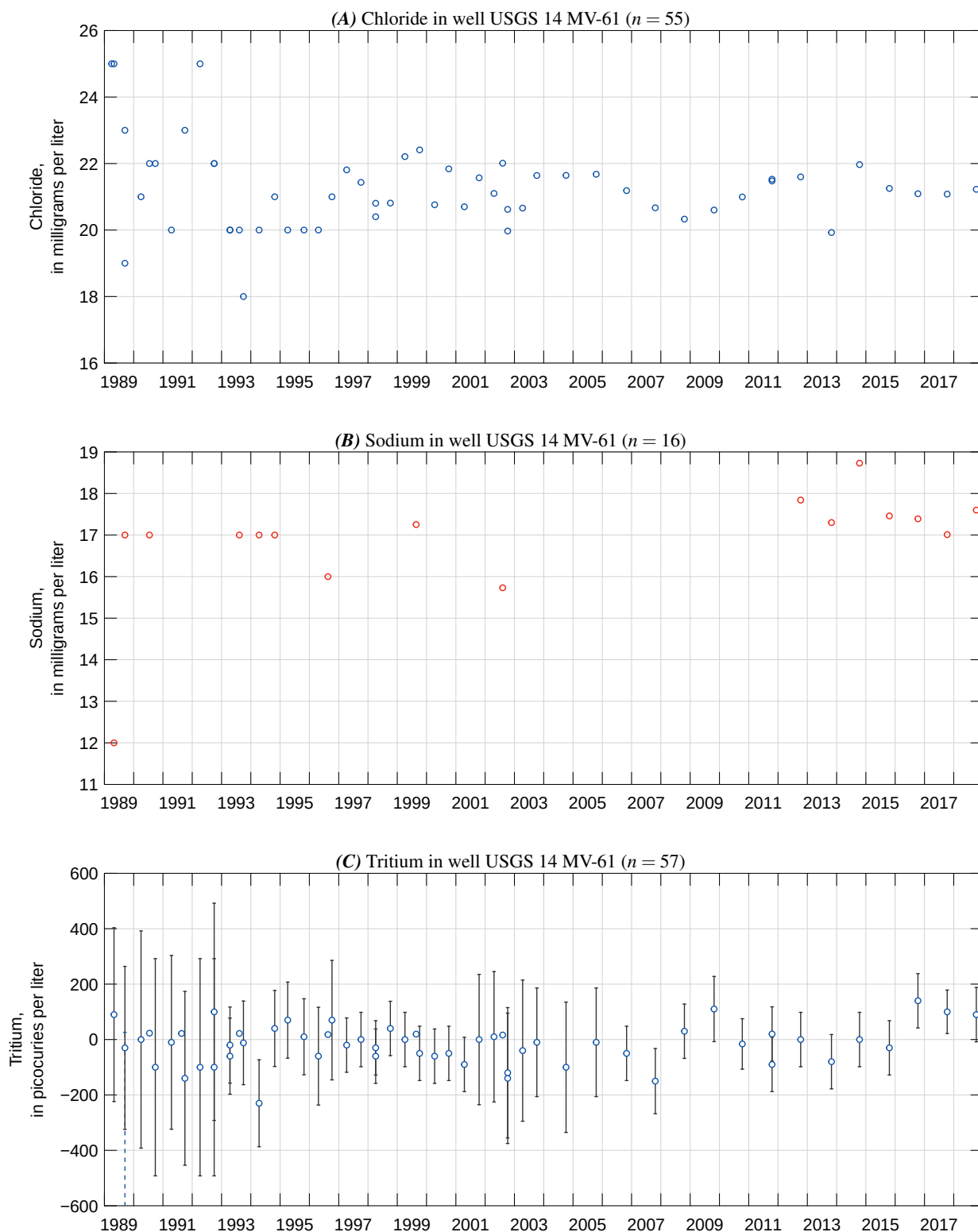


Figure 4.98. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, (R) plutonium-238, (S) alpha particle, and (T) beta particle concentrations in water collected from well USGS 14 MV-61 (Site No. 432019112563201), Idaho National Laboratory, Idaho, 1989–2018.

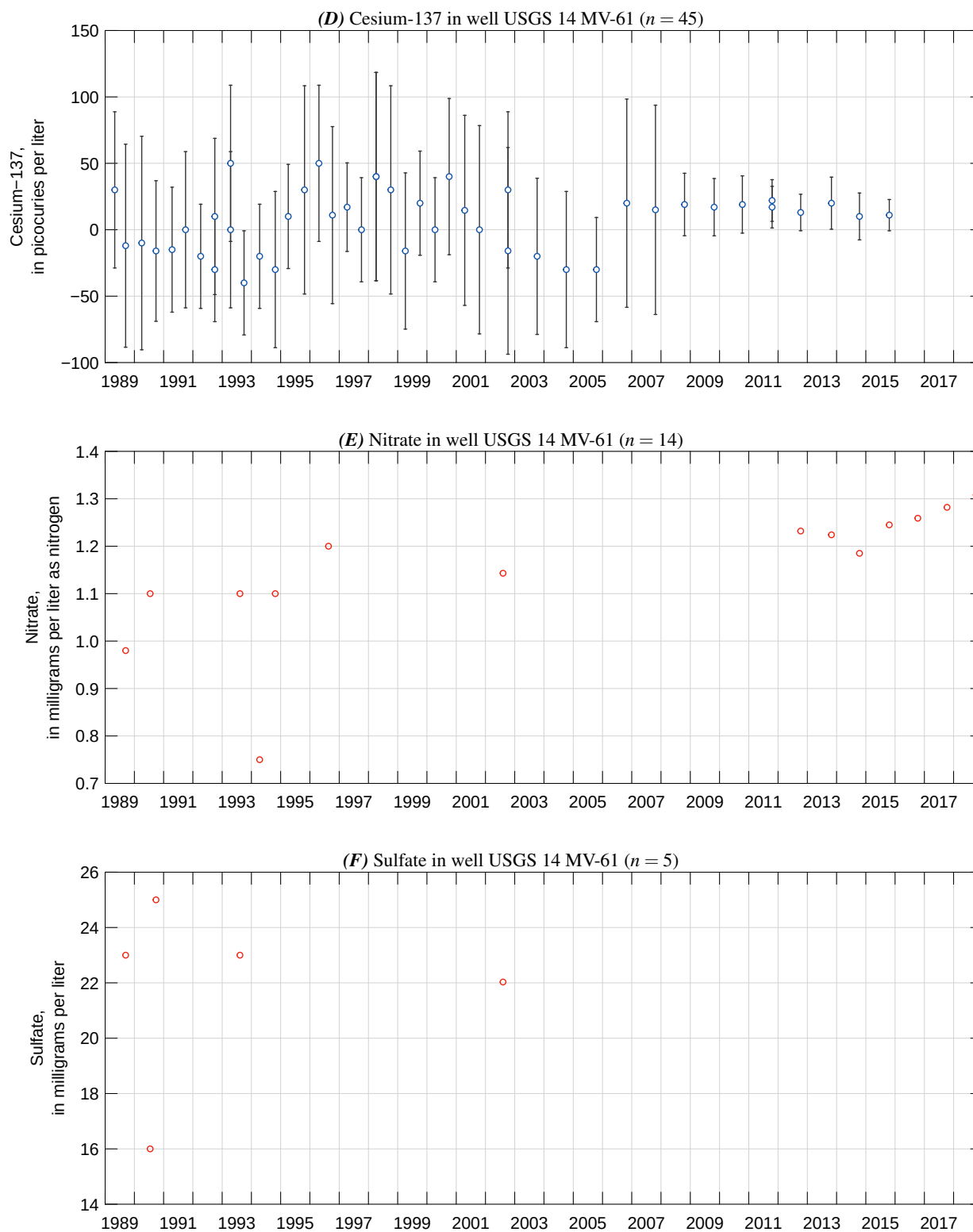


Figure 4.98. —Continued

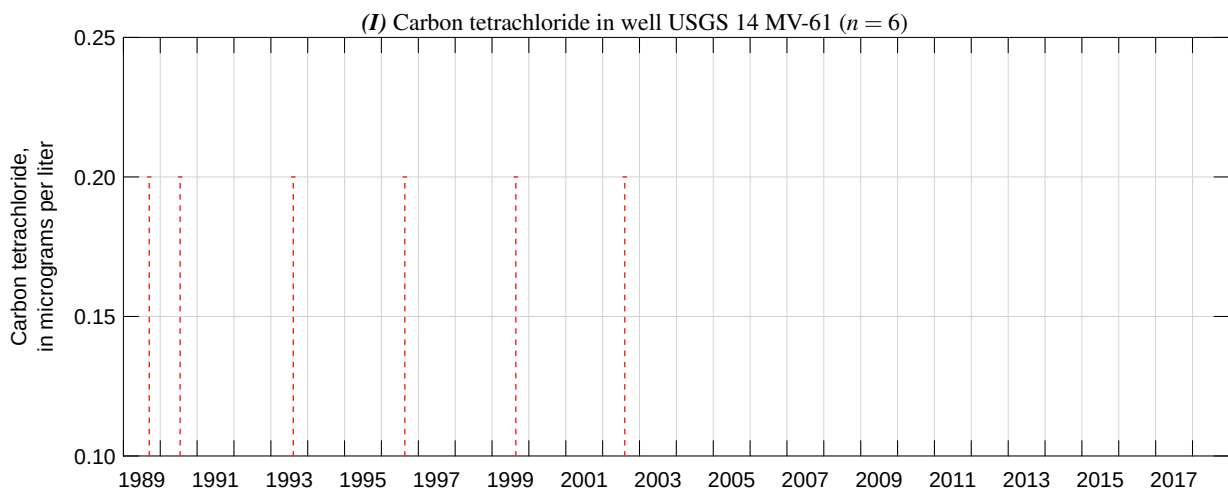
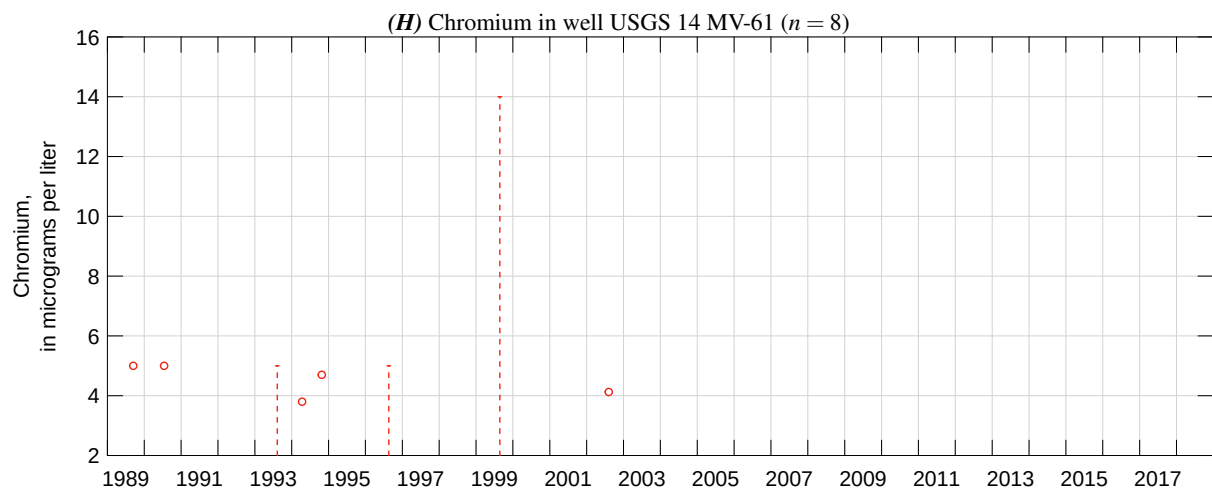
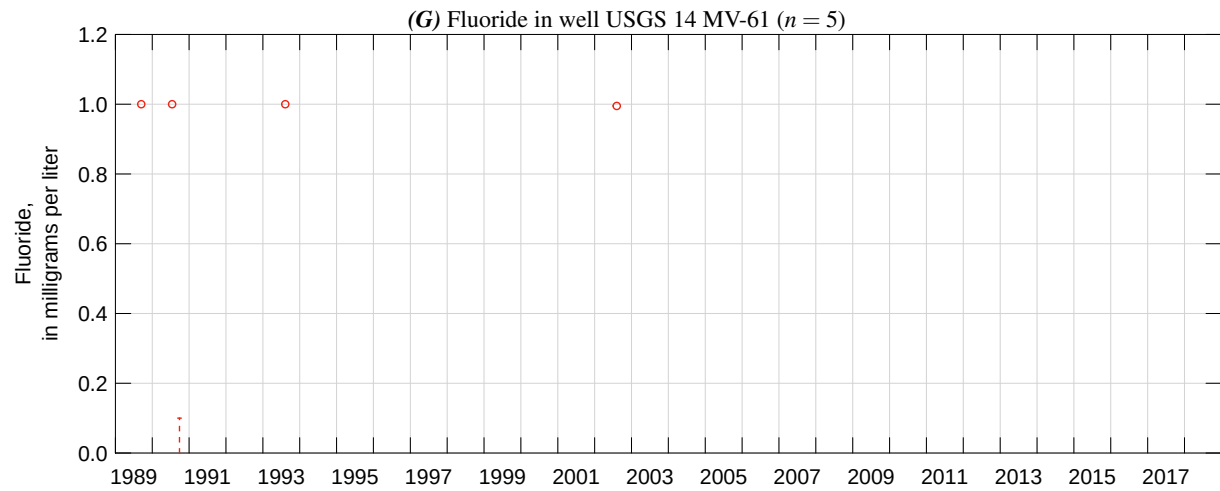


Figure 4.98. —Continued

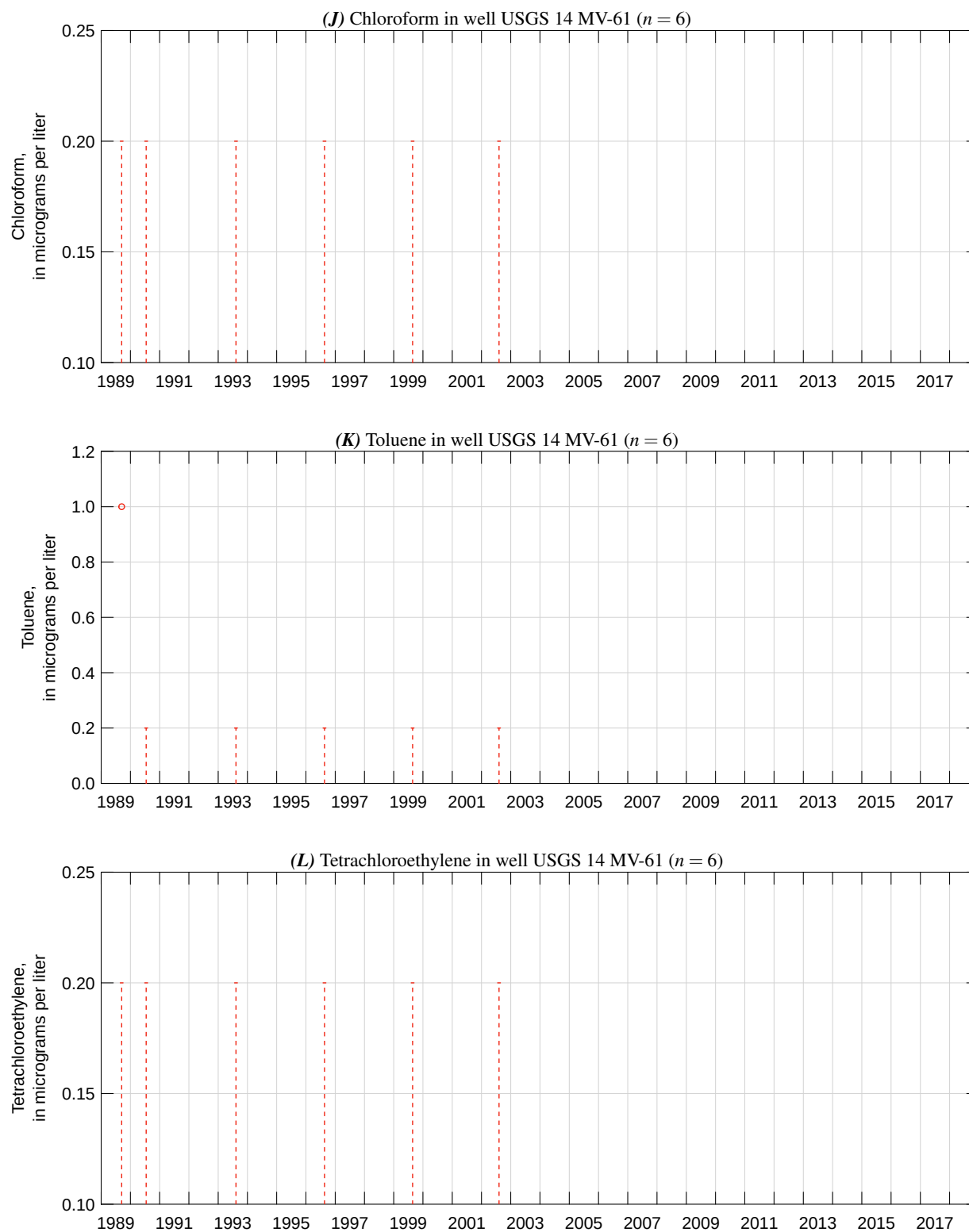


Figure 4.98. —Continued

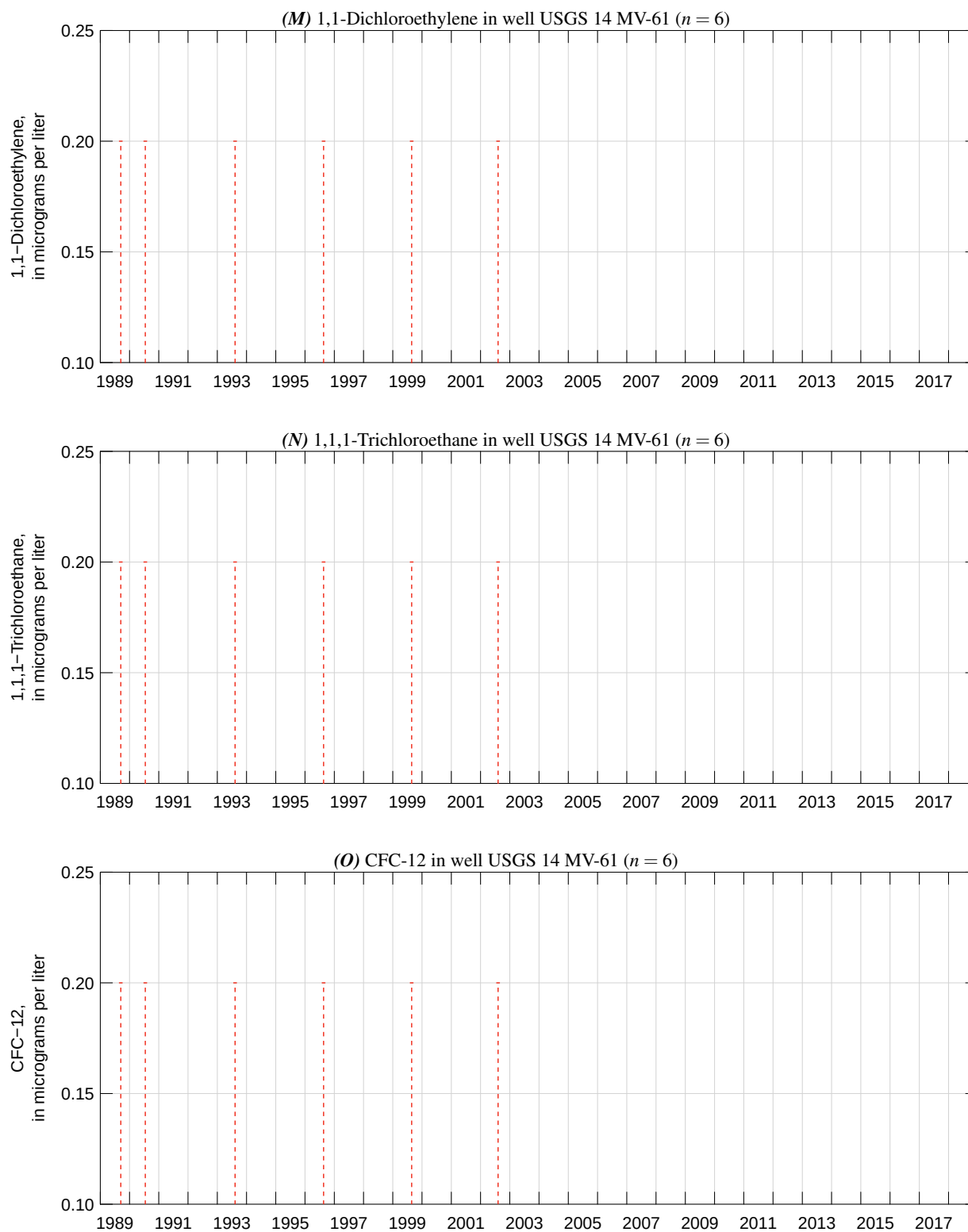


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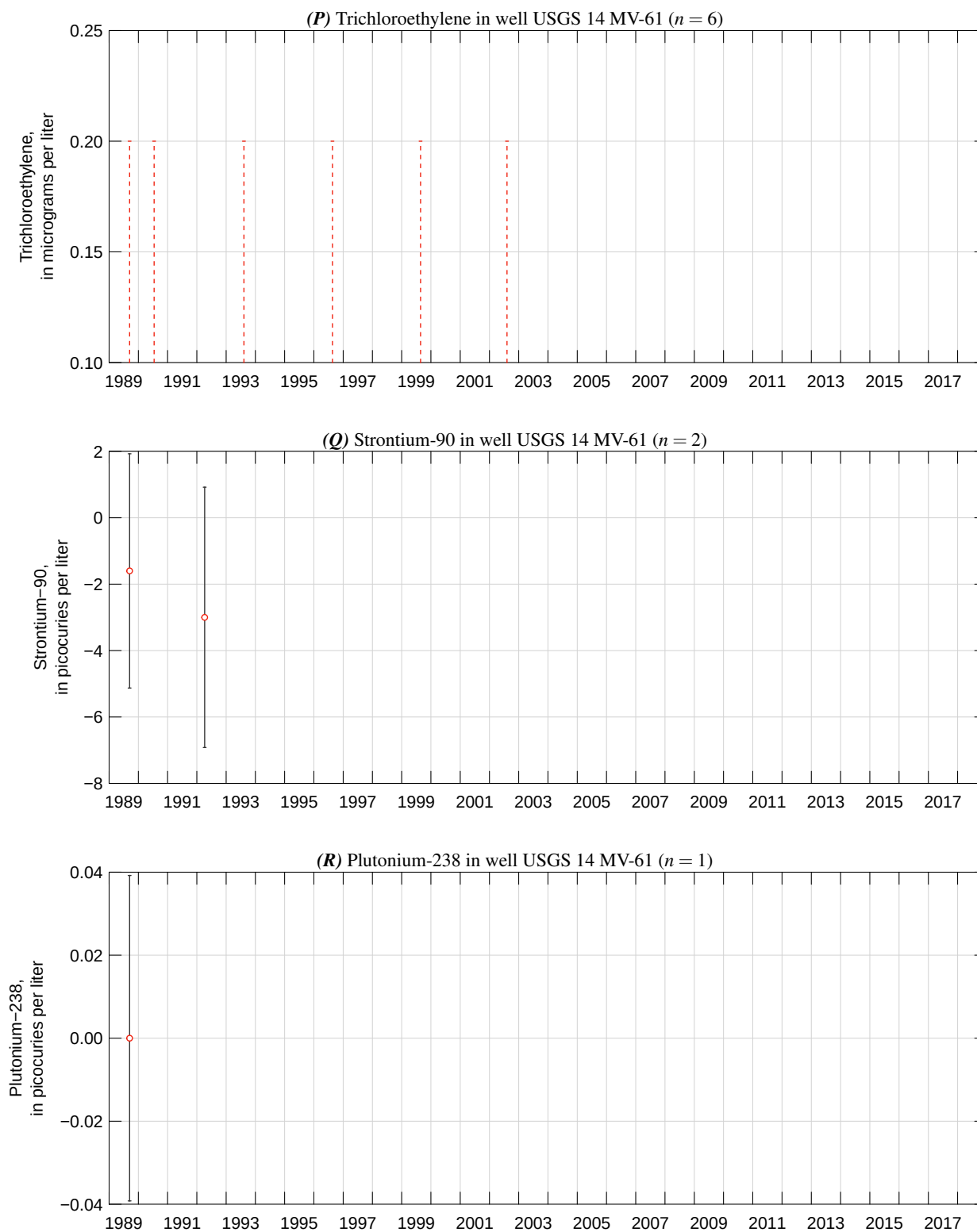


Figure 4.98. —Continued

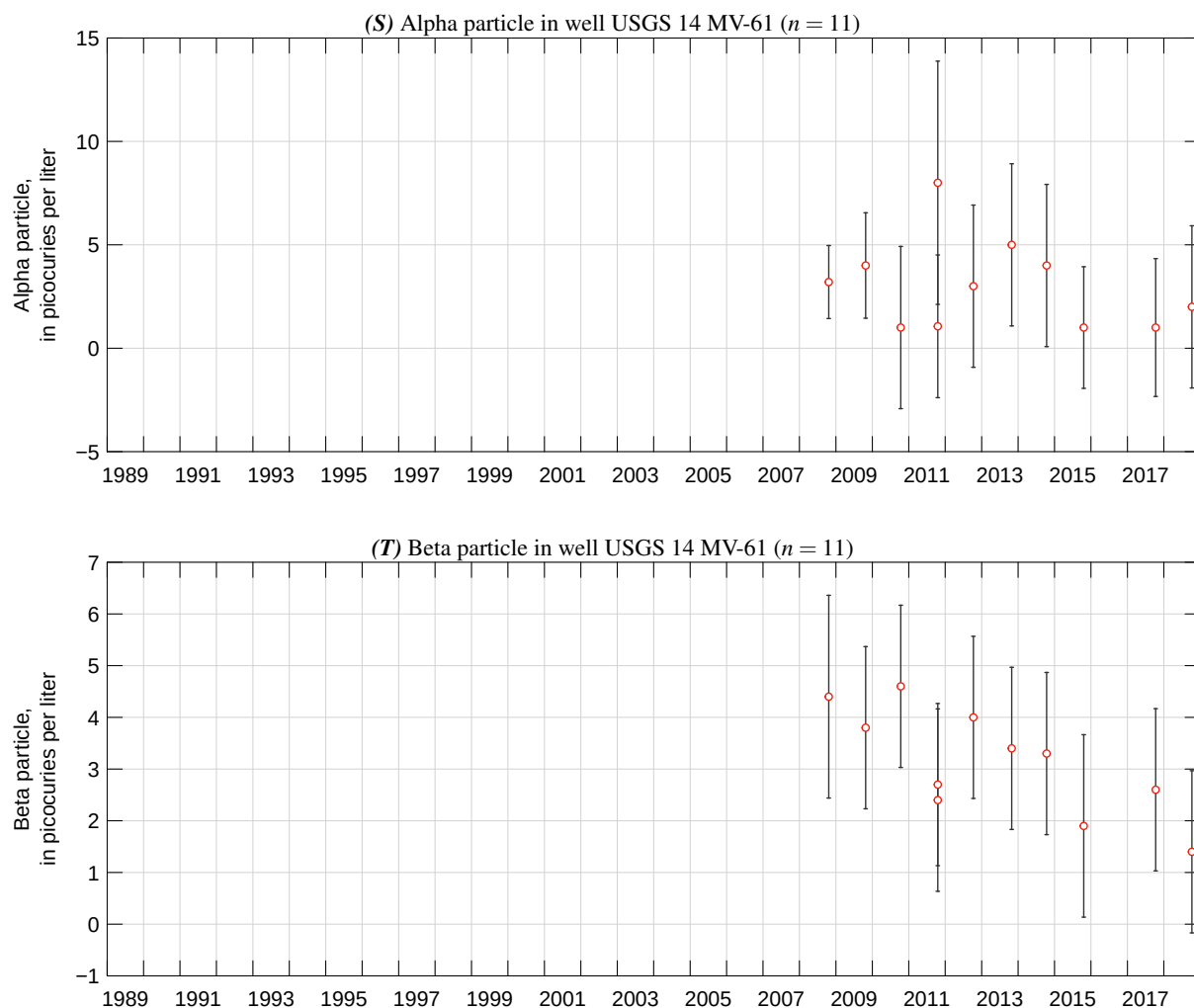


Figure 4.98. —Continued

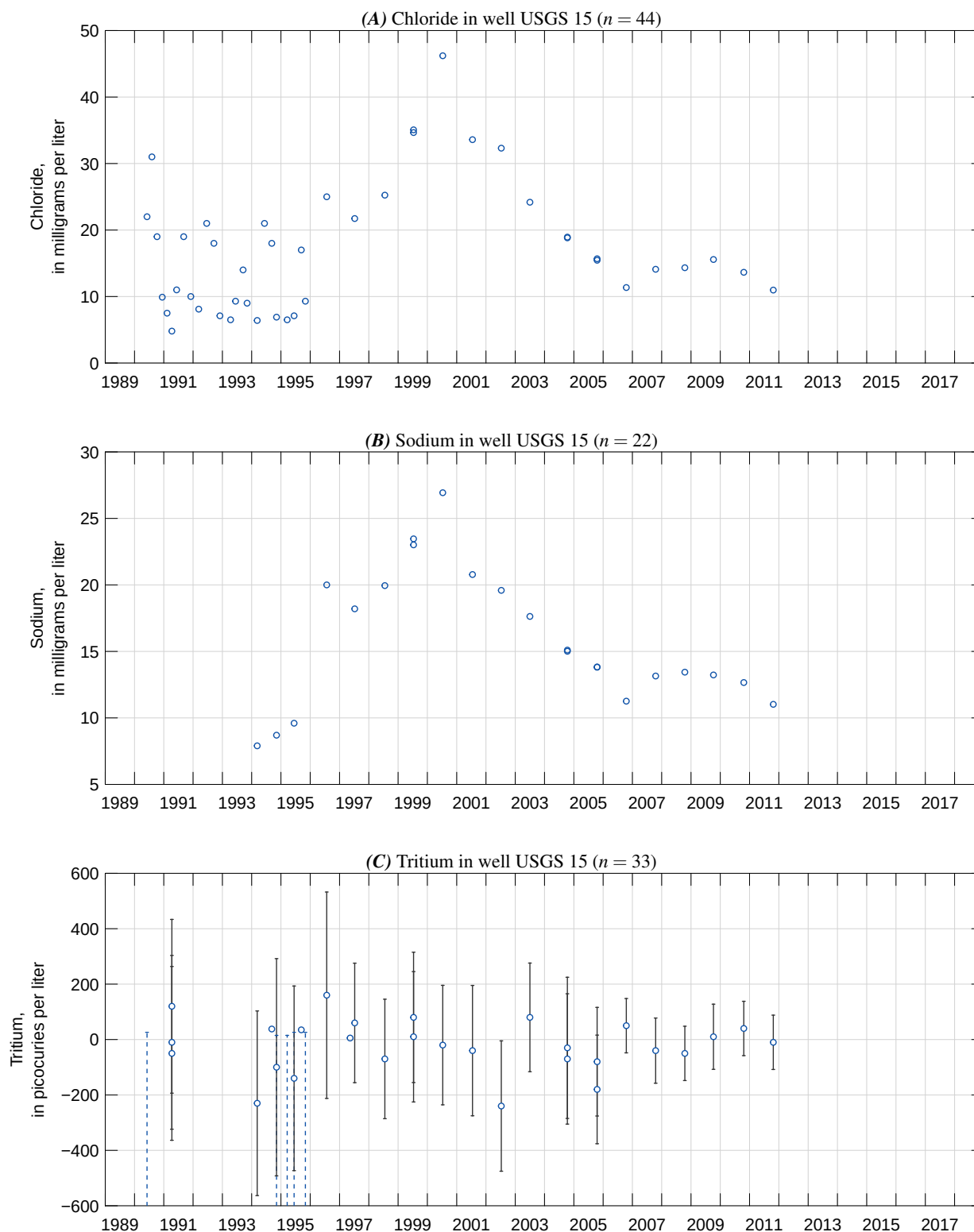


Figure 4.99. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, and (Q) strontium-90 concentrations in water collected from well USGS 15 (Site No. 434234112551701), Idaho National Laboratory, Idaho, 1989–2018.

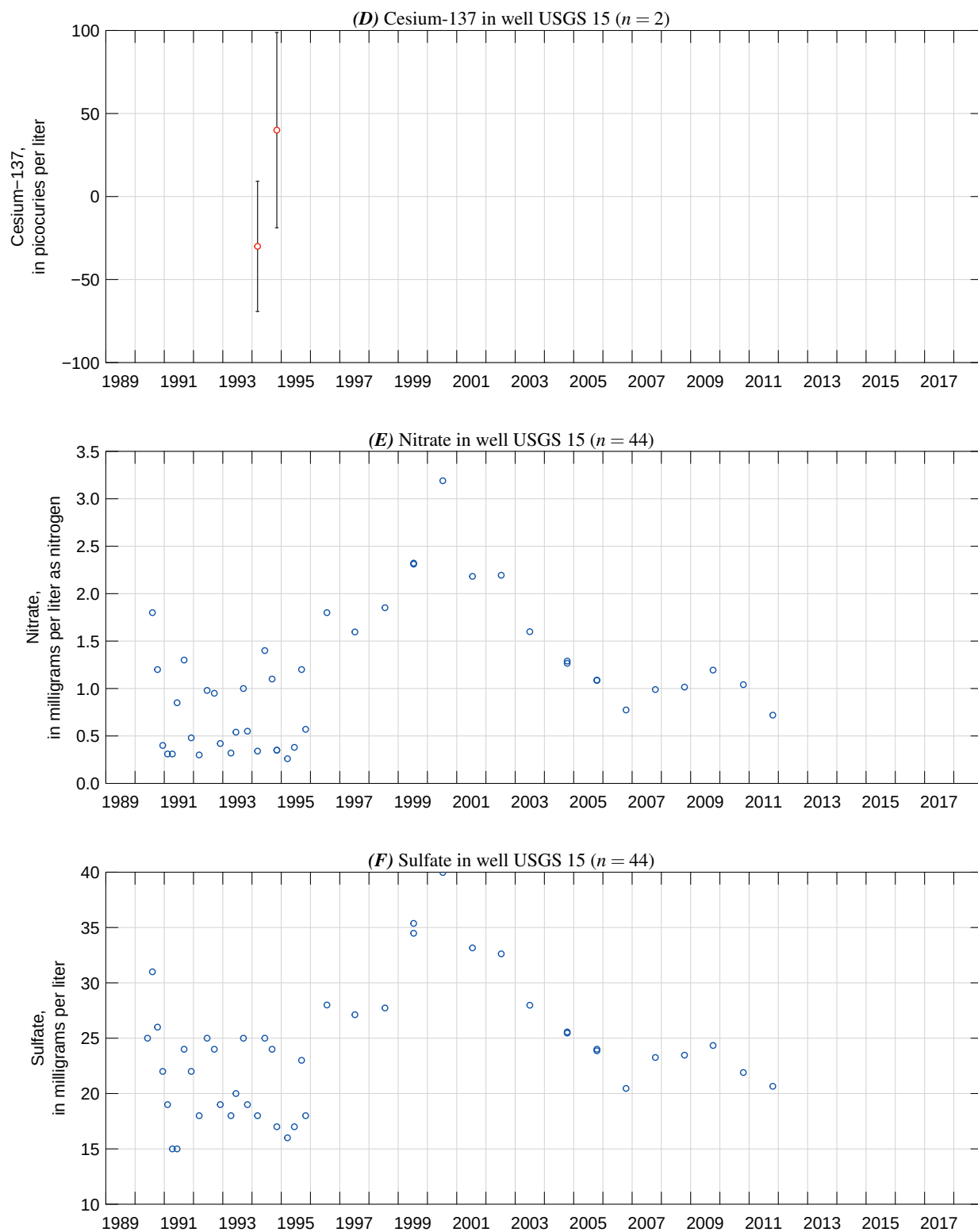


Figure 4.99. —Continued

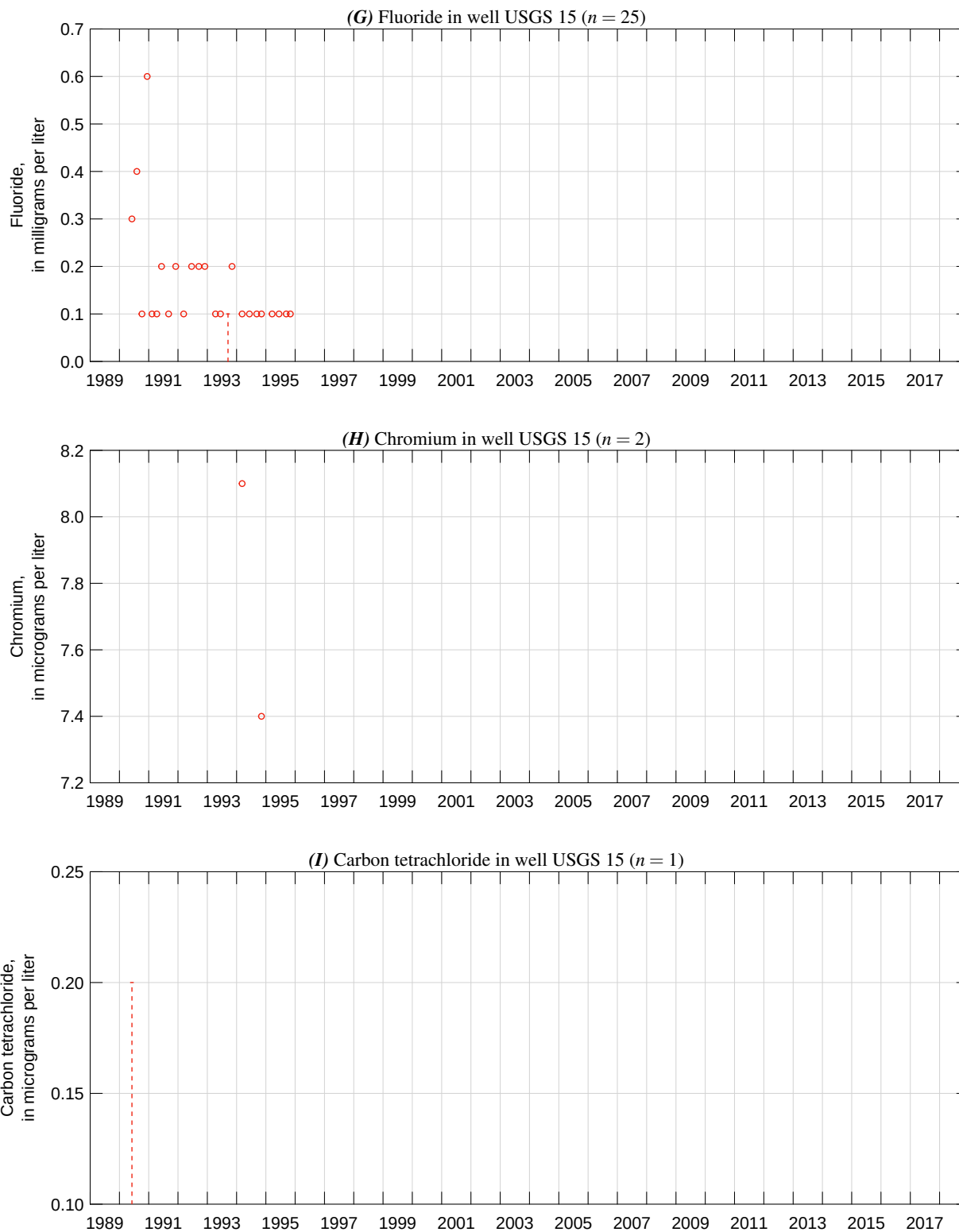


Figure 4.99. —Continued

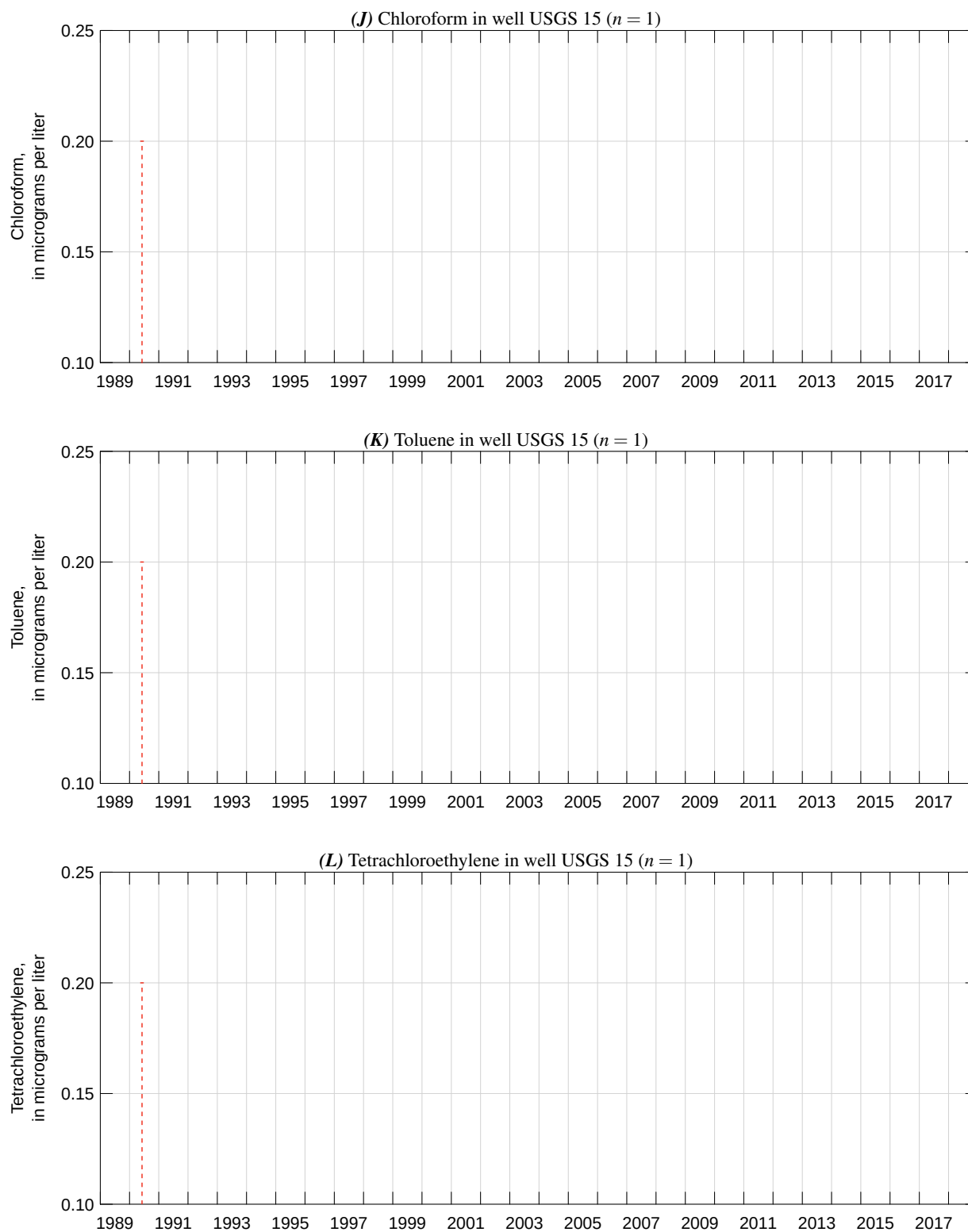


Figure 4.99. —Continued

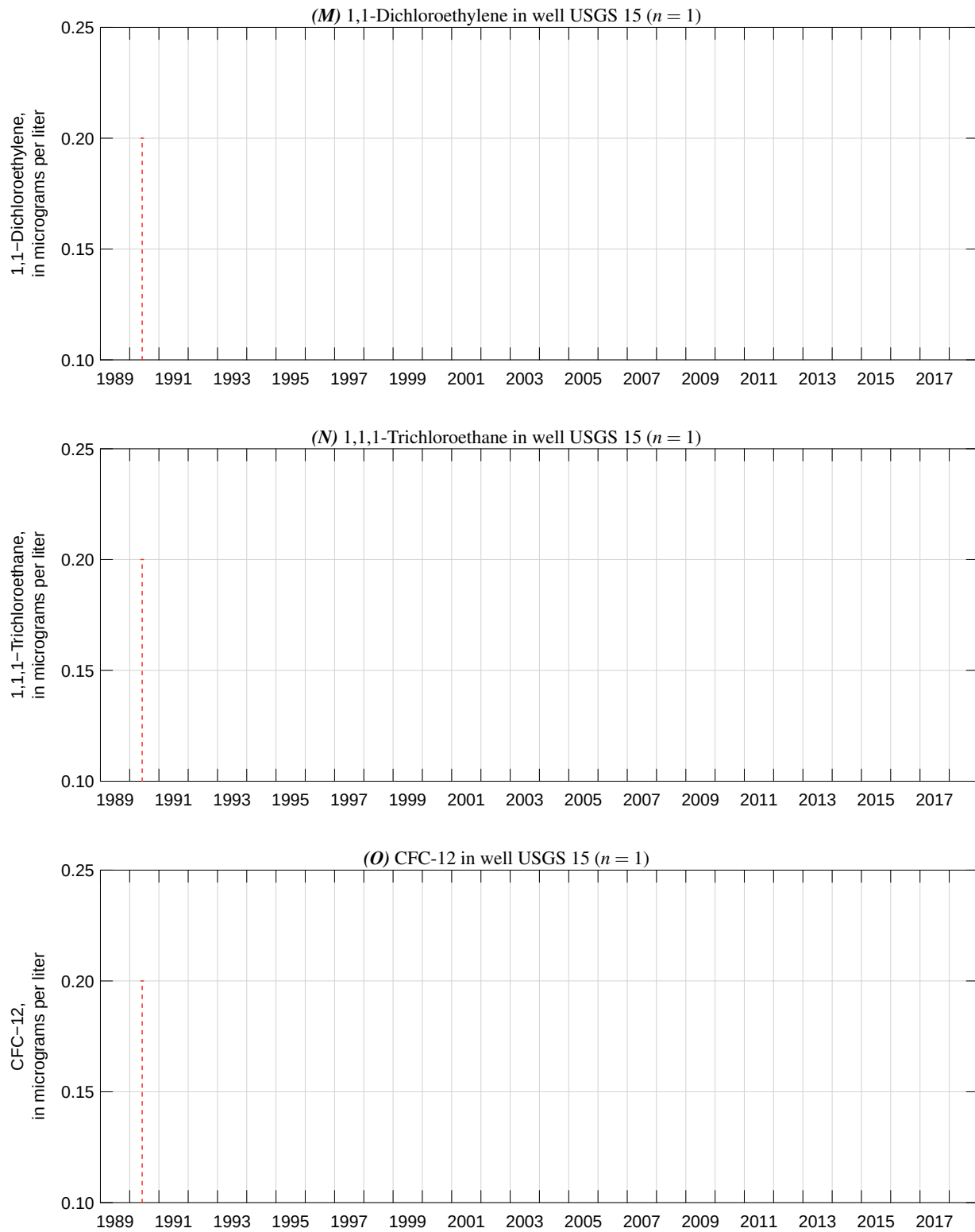


Figure 4.99. —Continued

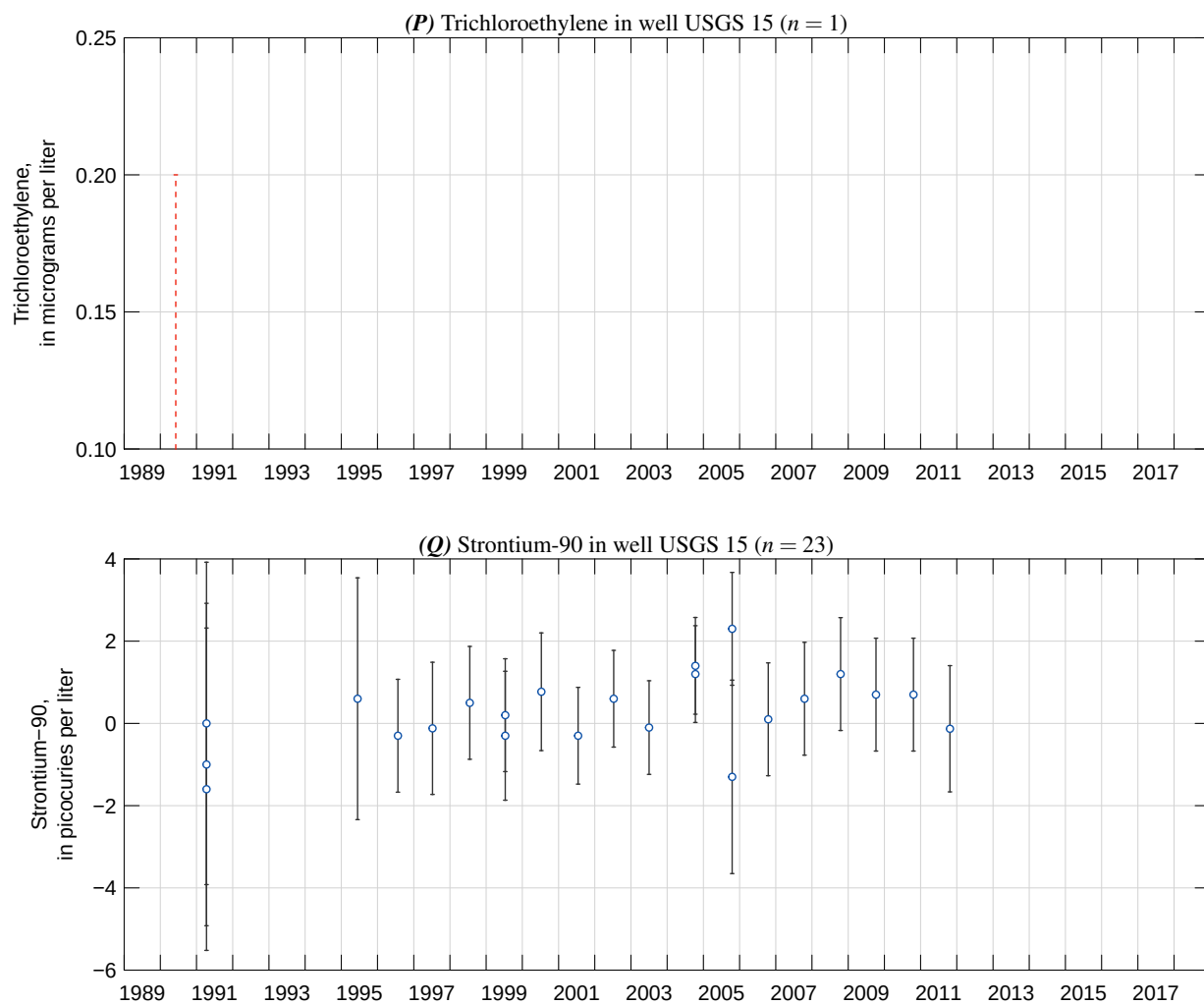


Figure 4.99. —Continued

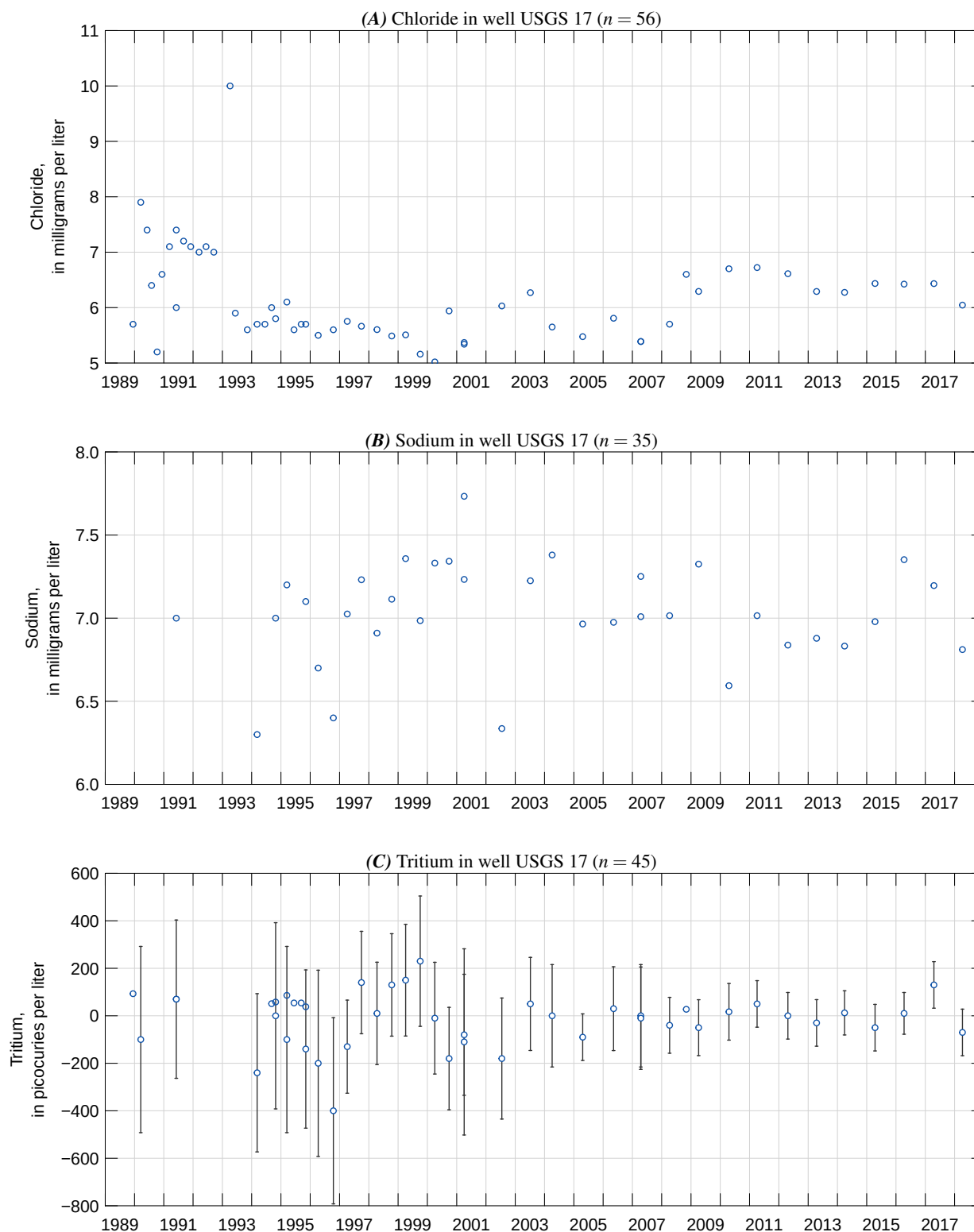


Figure 4.100. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, (R) plutonium-238, (S) alpha particle, and (T) beta particle concentrations in water collected from well USGS 17 (Site No. 433937112515401), Idaho National Laboratory, Idaho, 1989–2018.

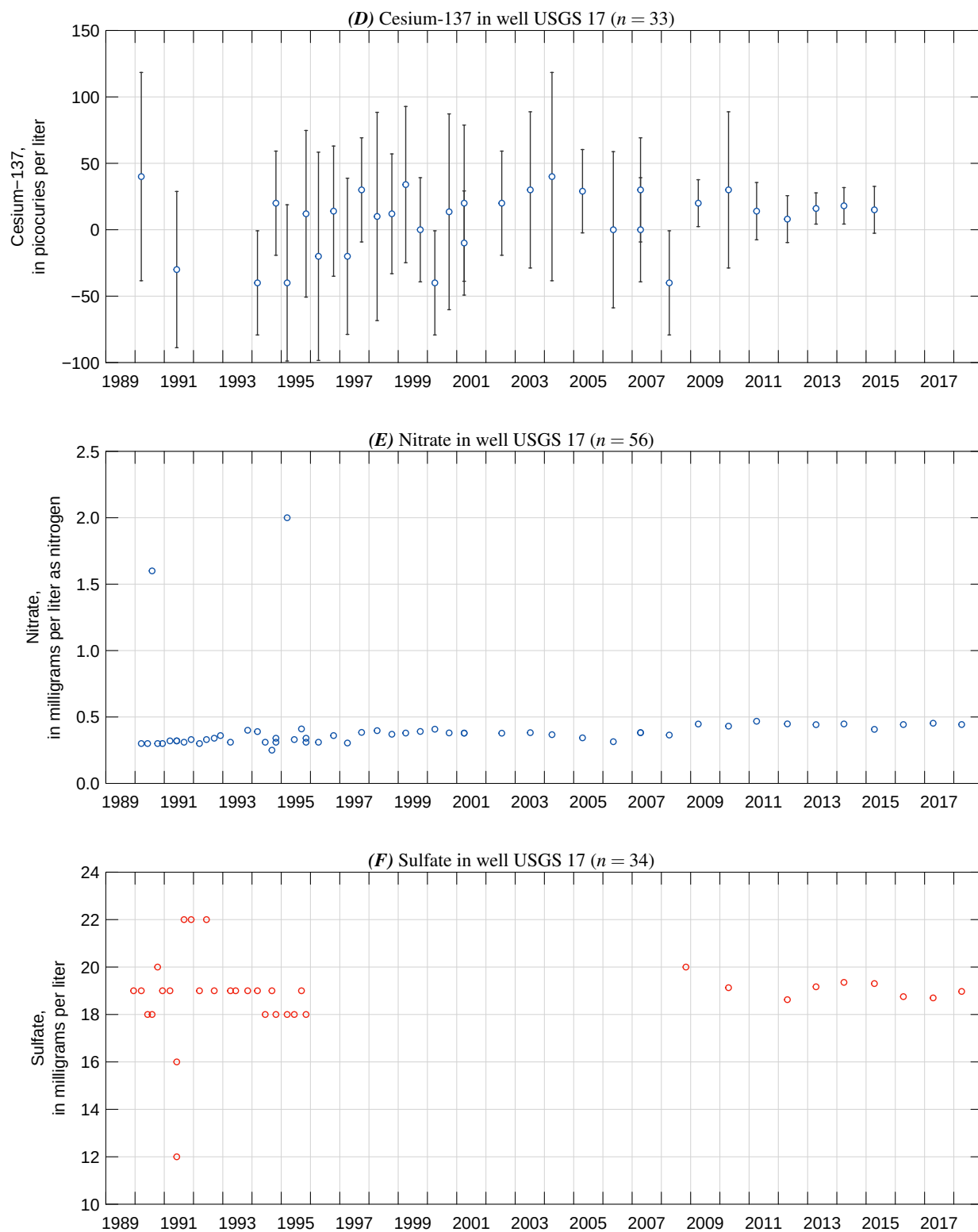


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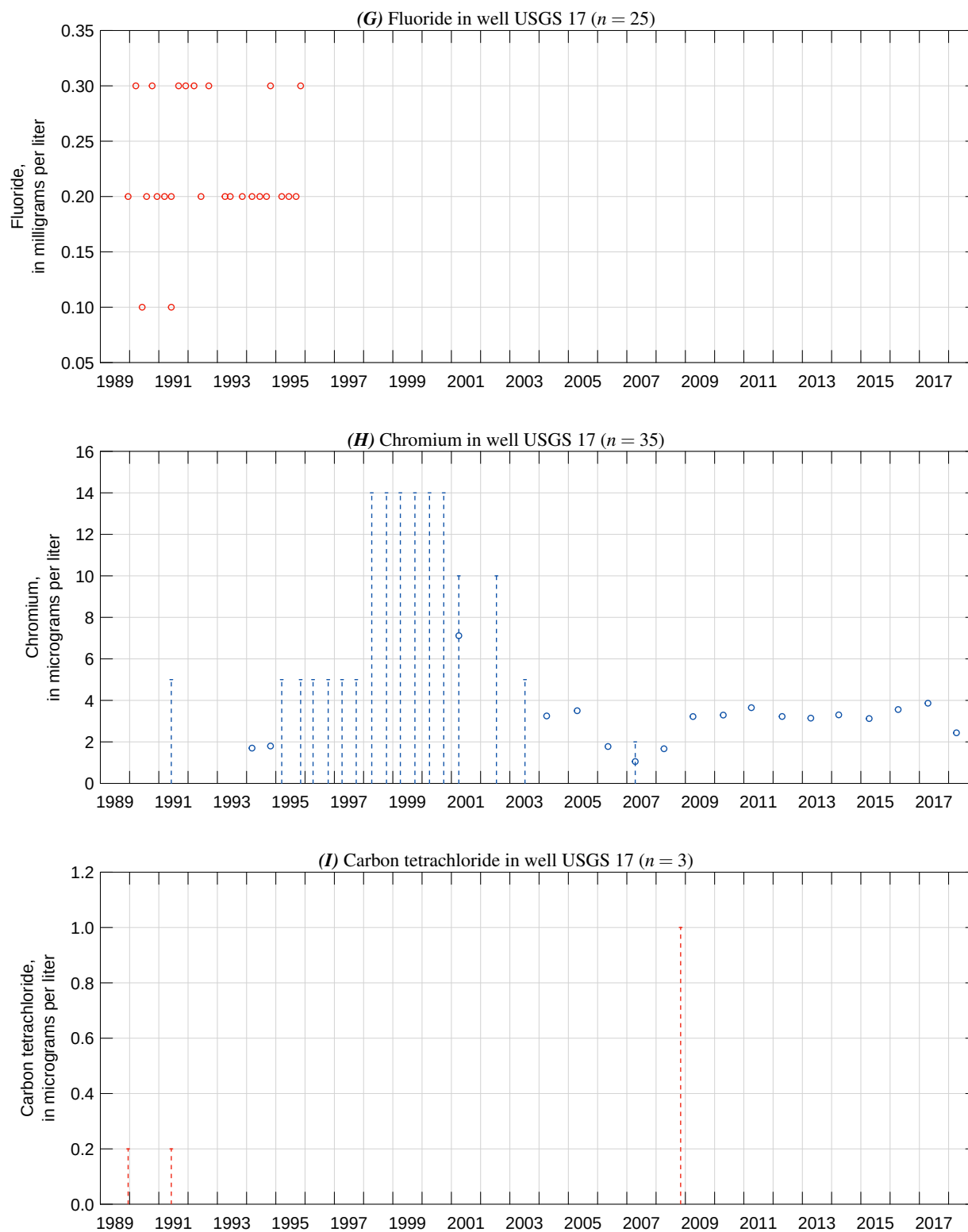


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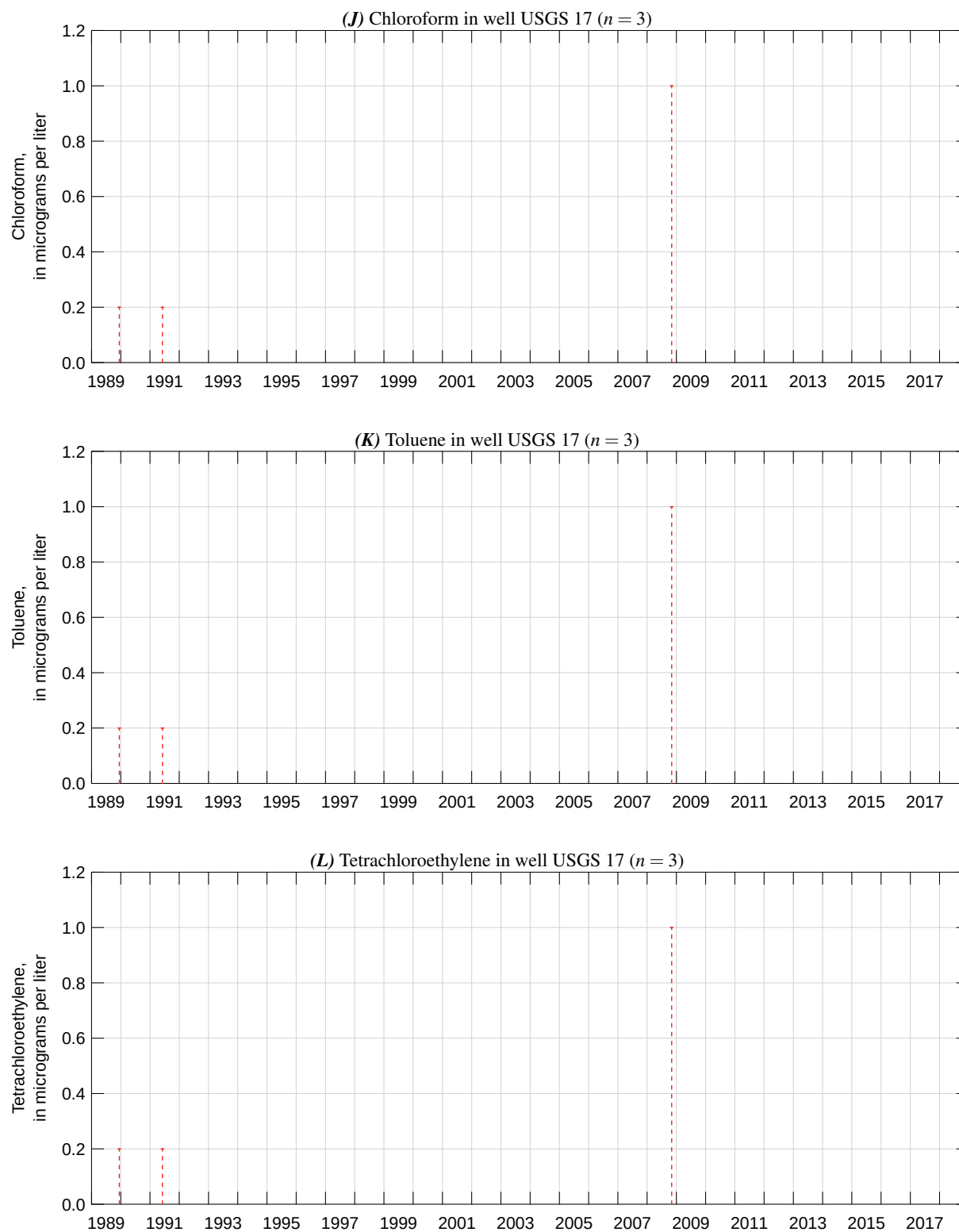


Figure 4.100. —Continued

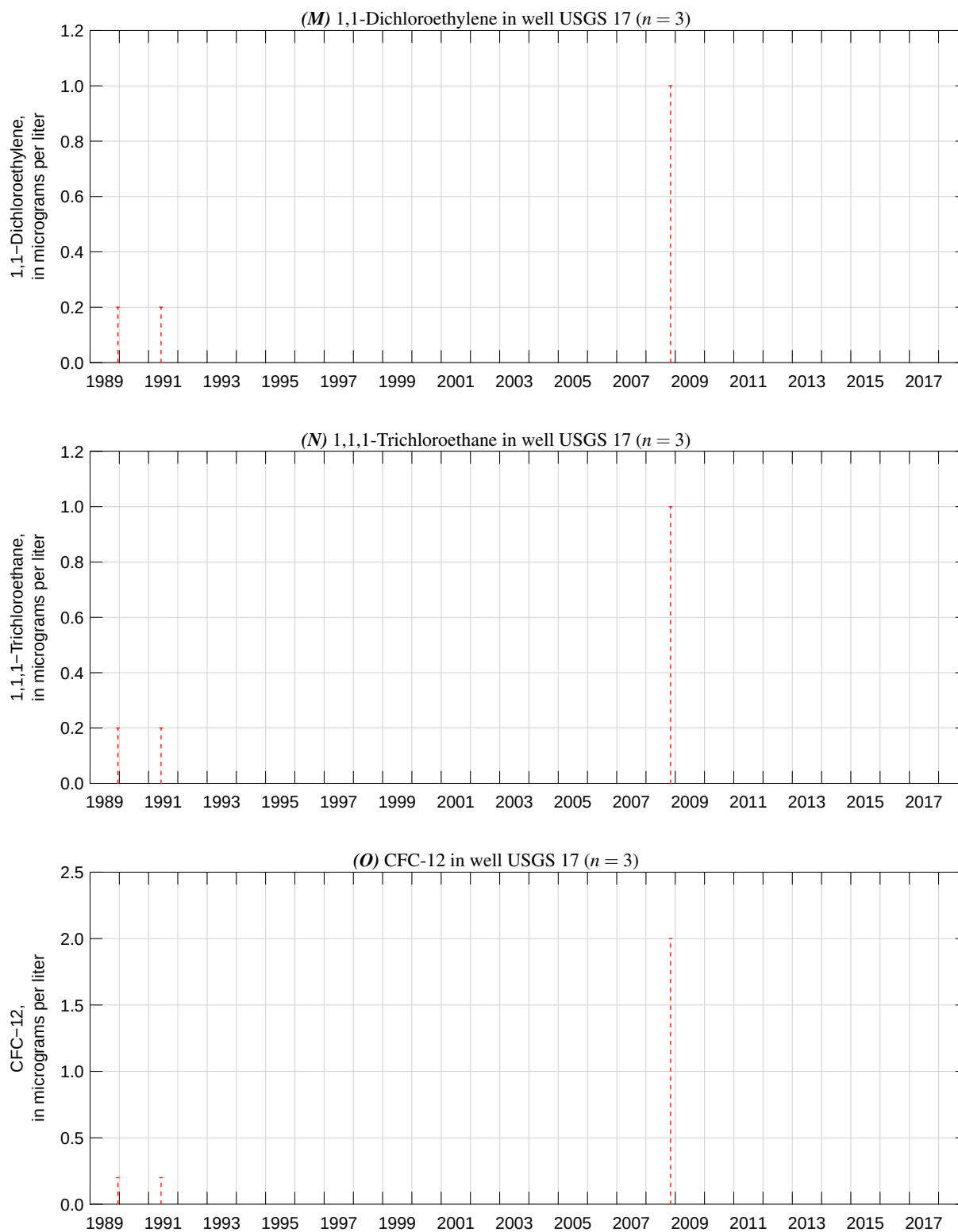


Figure 4.100. —Continued

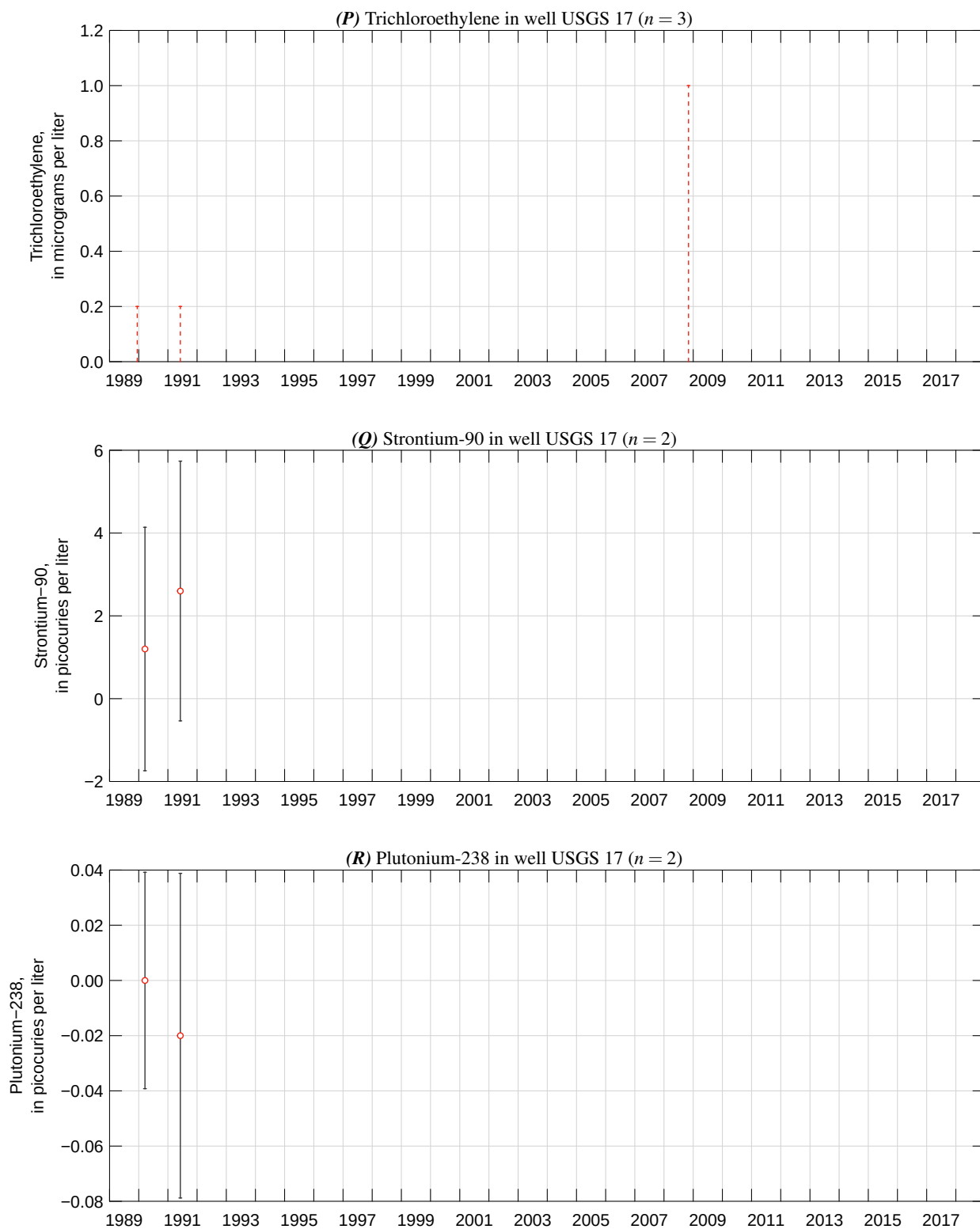


Figure 4.100. —Continued

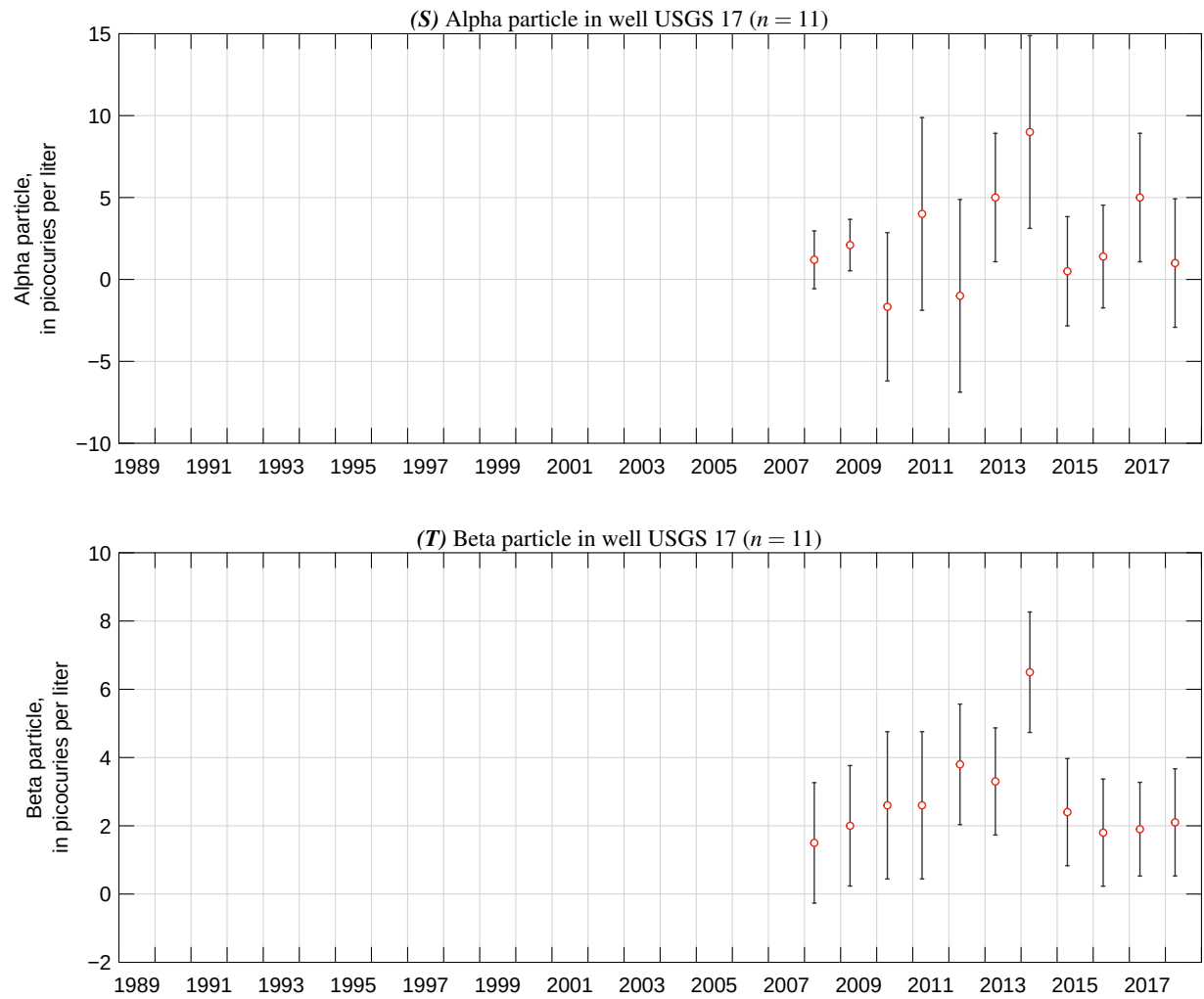


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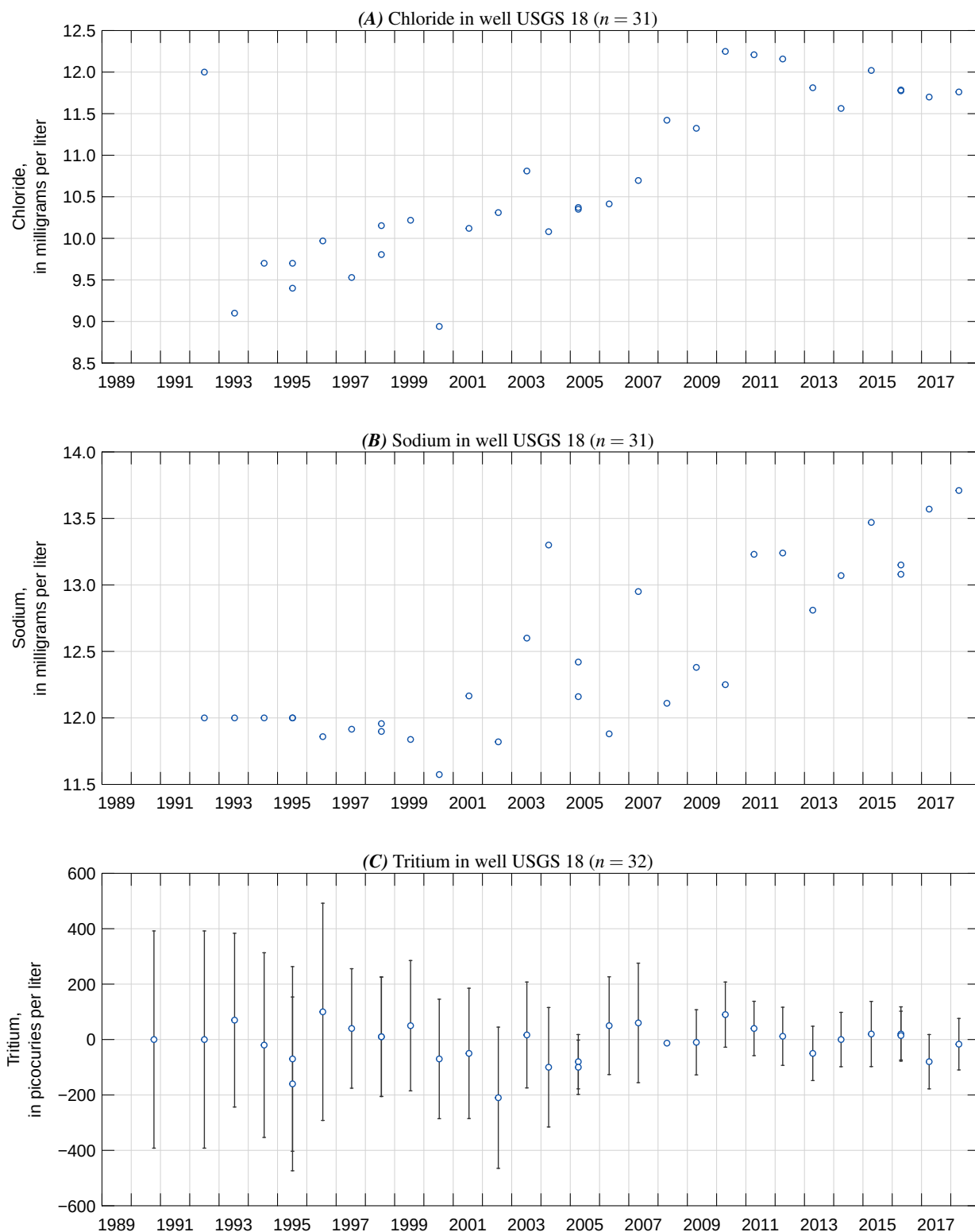


Figure 4.101. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) chromium, (H) carbon tetrachloride, (I) chloroform, (J) toluene, (K) tetrachloroethylene, (L) 1,1-dichloroethylene, (M) 1,1,1-trichloroethane, (N) cfc-12, (O) trichloroethylene, (P) strontium-90, and (Q) plutonium-238 concentrations in water collected from well USGS 18 (Site No. 434540112440901), Idaho National Laboratory, Idaho, 1989–2018.

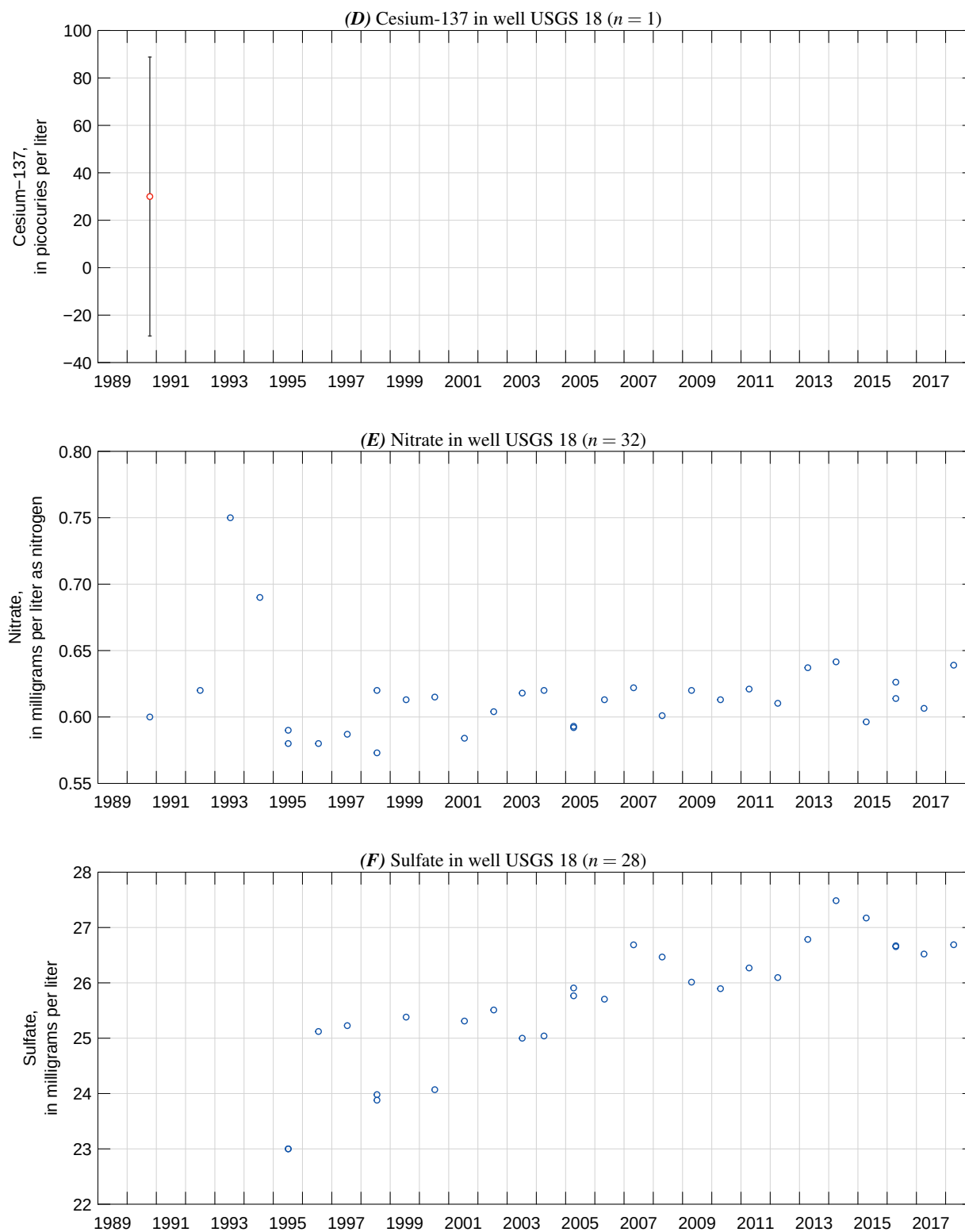


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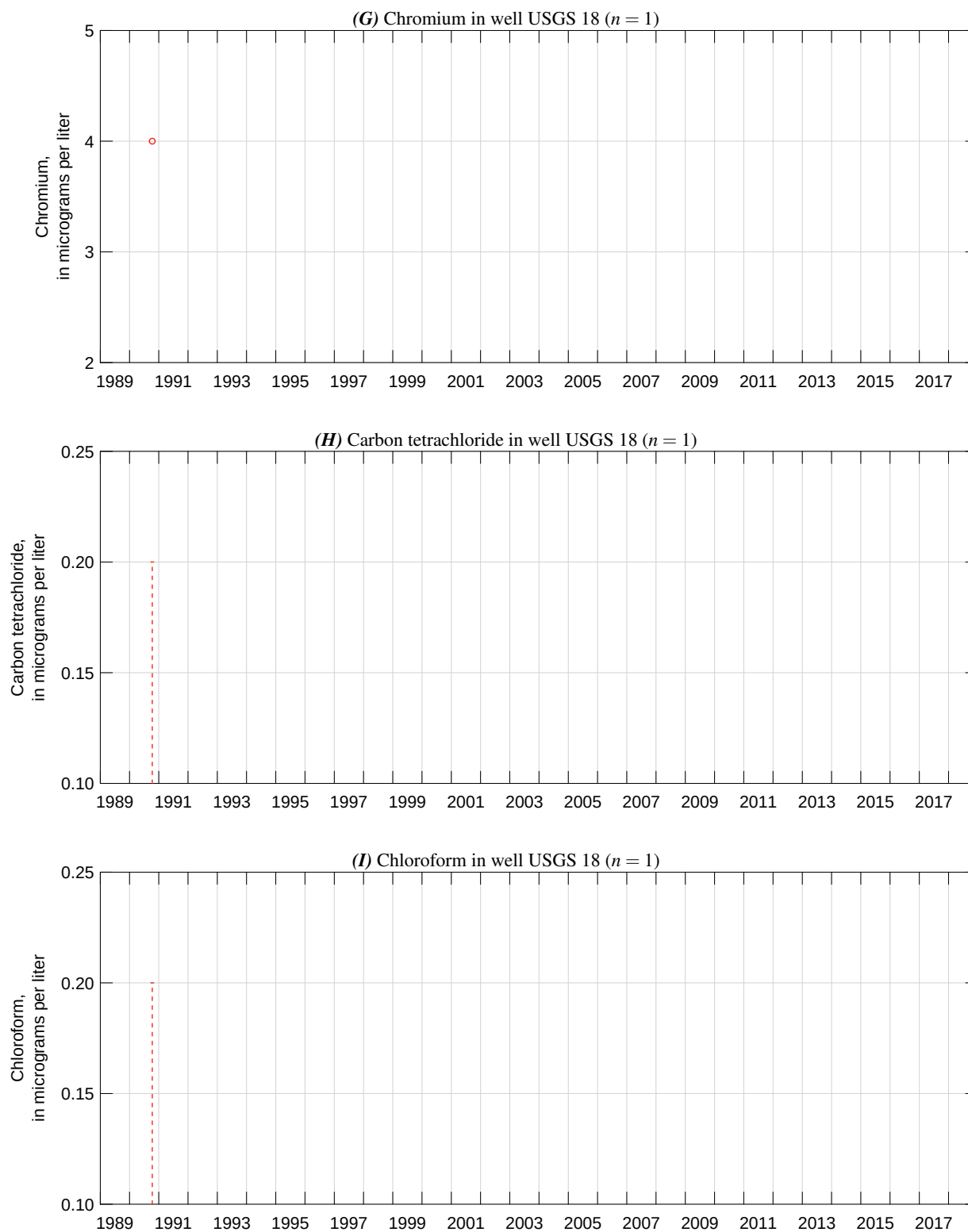


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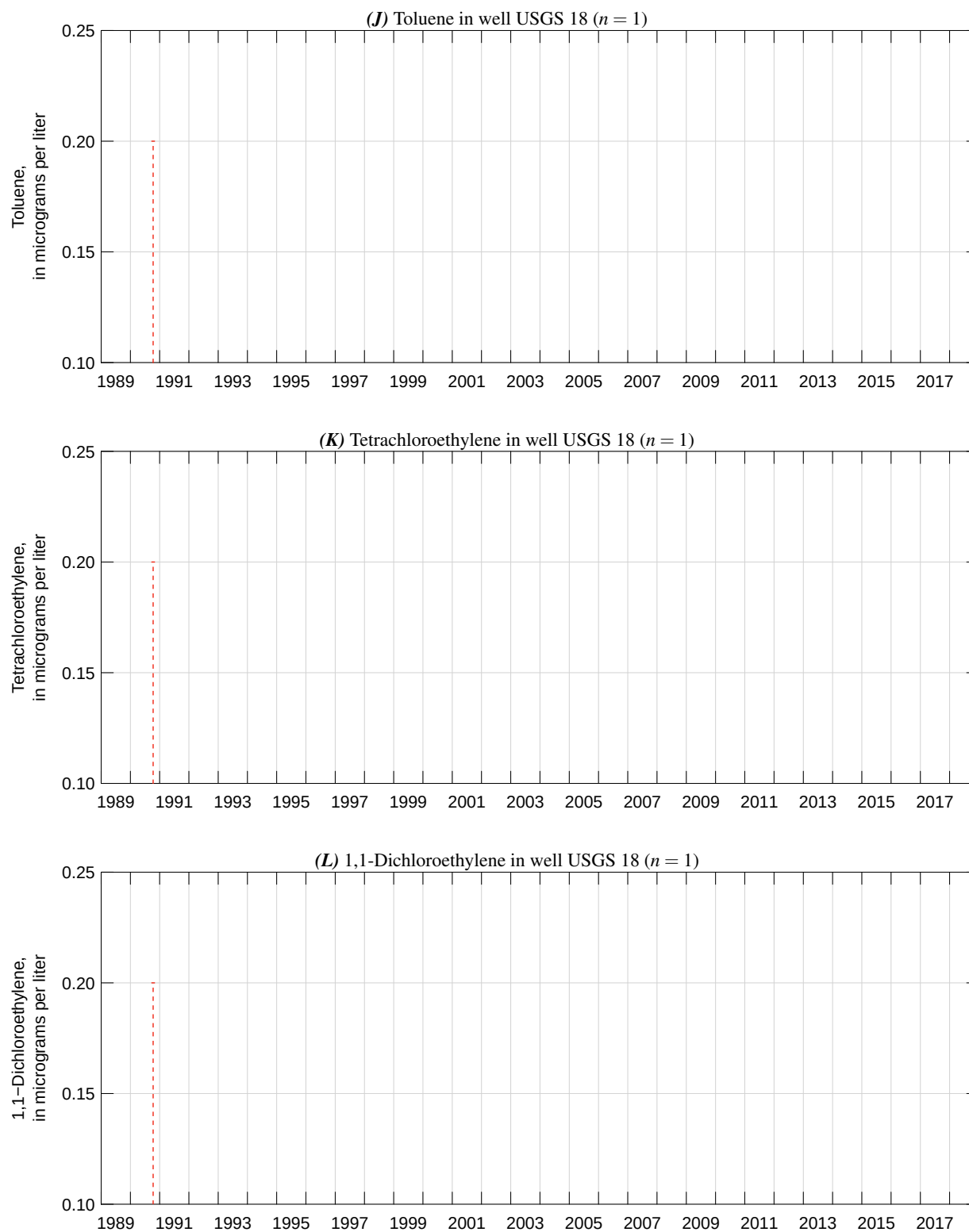


Figure 4.101. —Continued

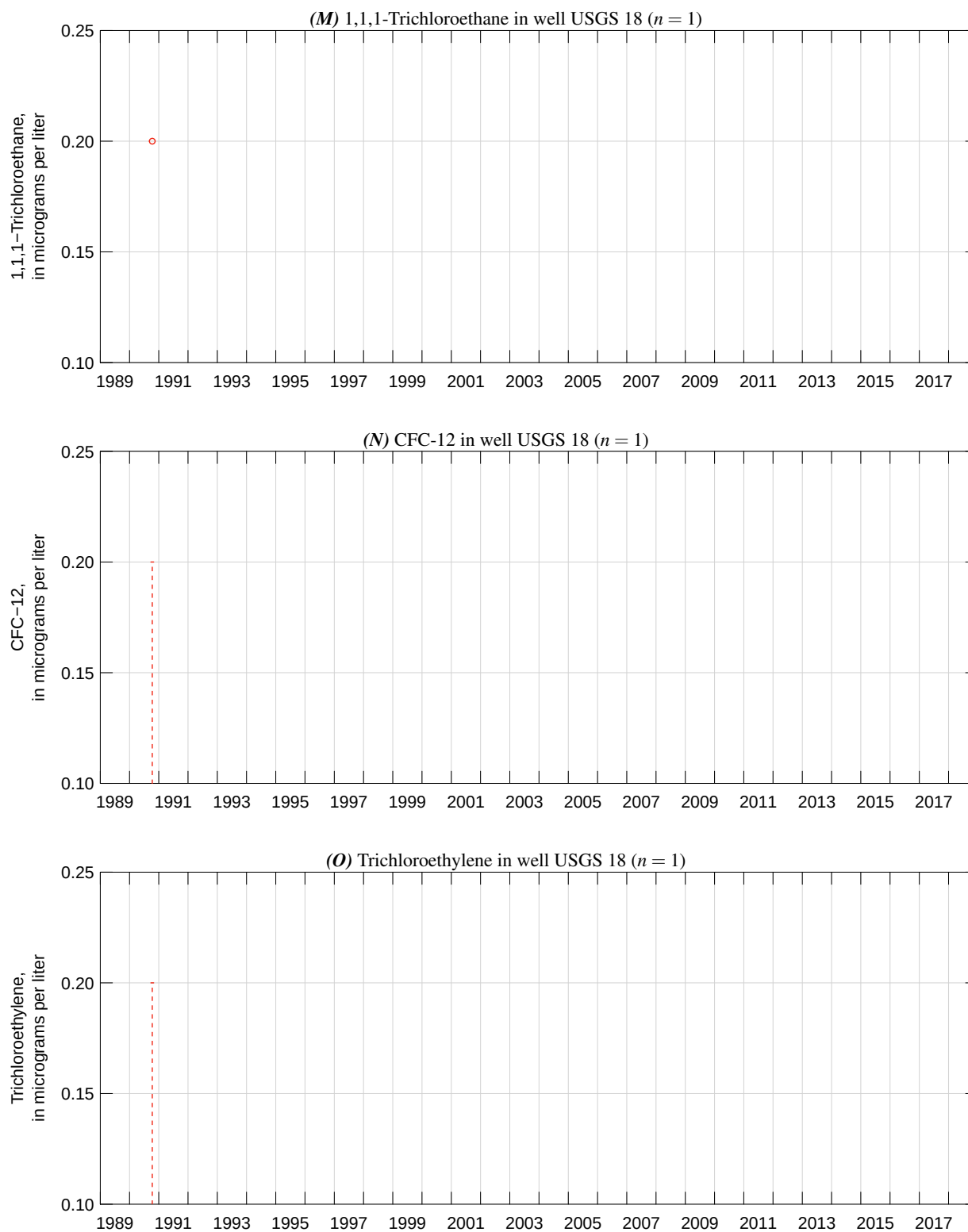


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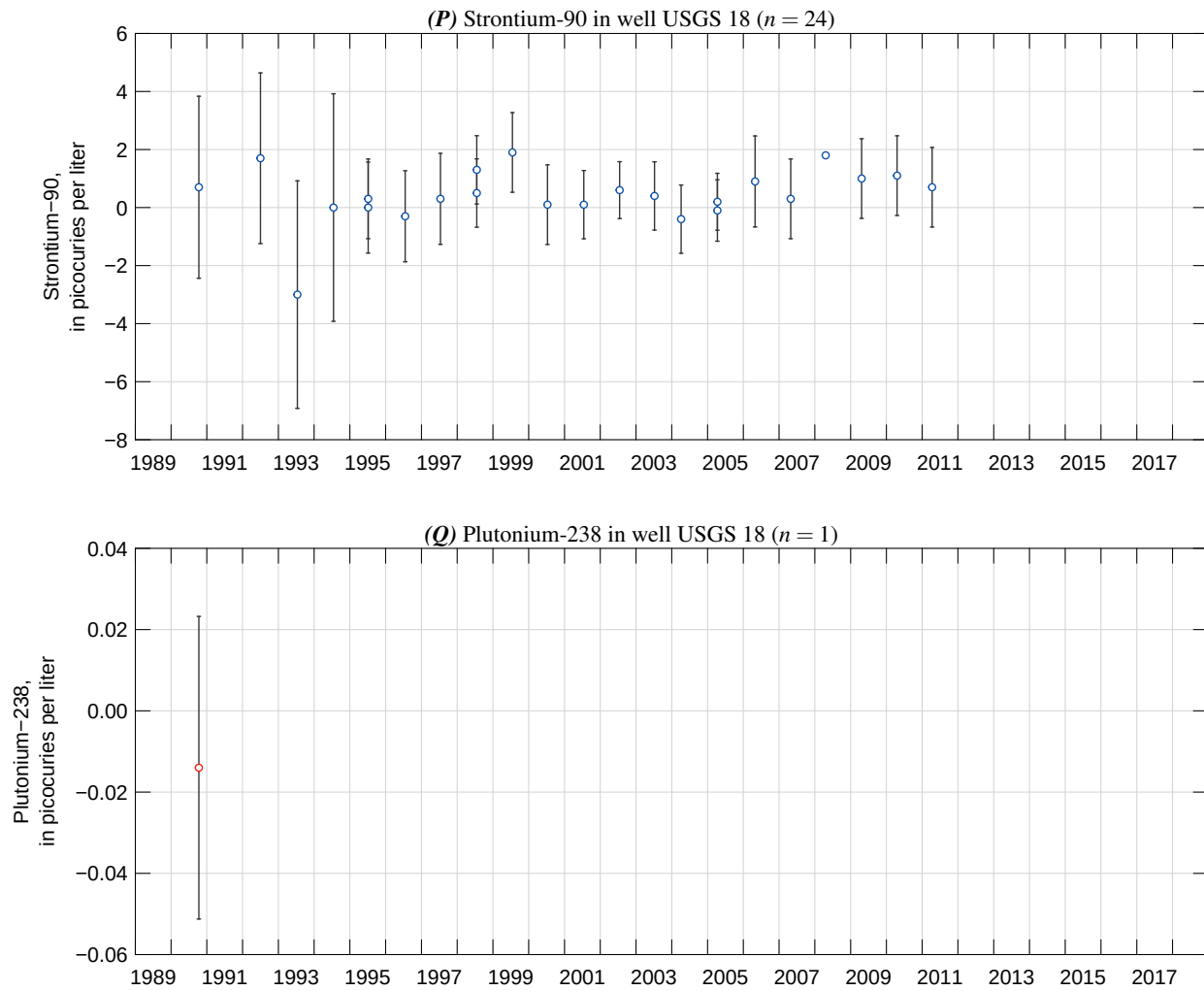


Figure 4.101. —Continued

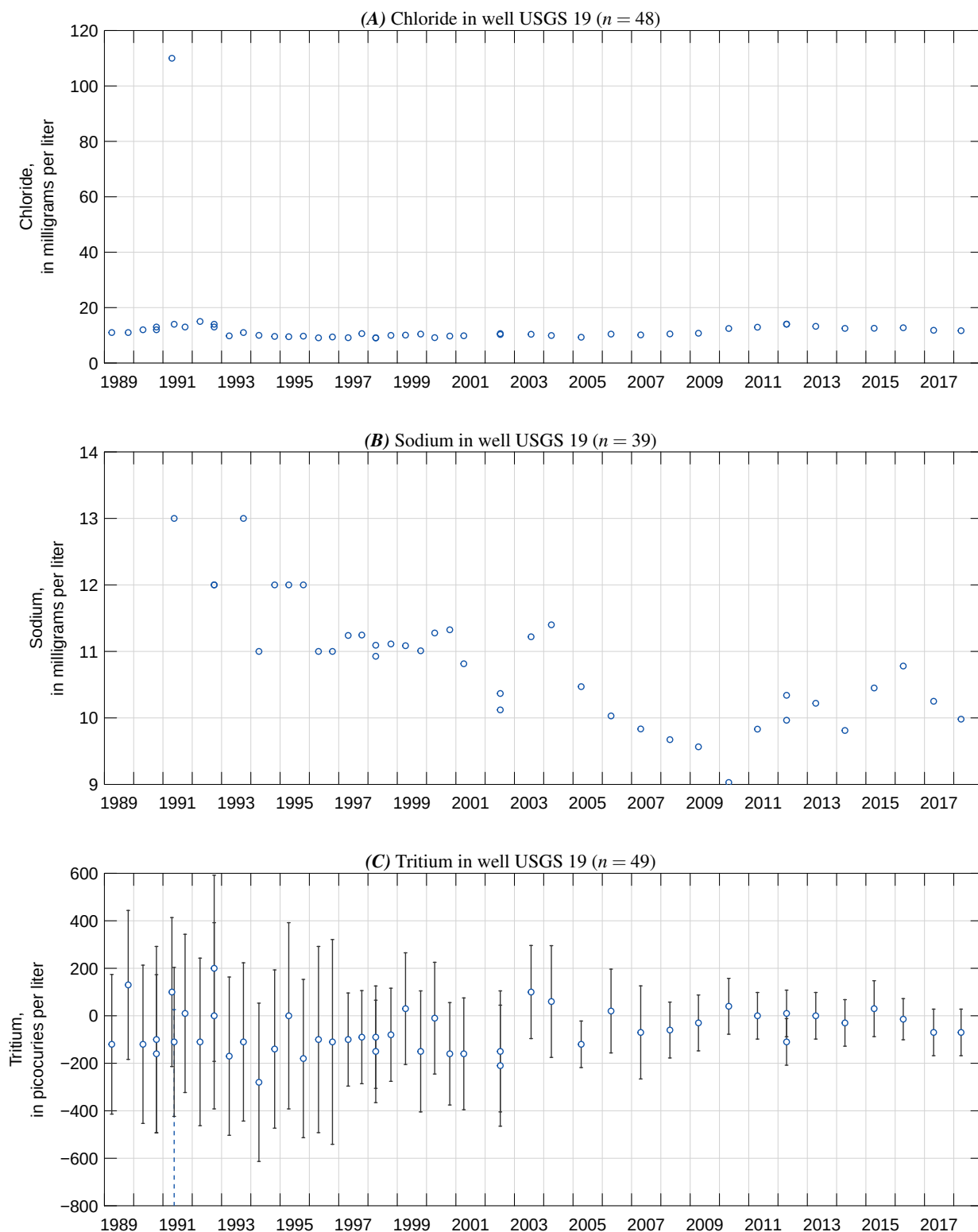


Figure 4.102. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, (R) plutonium-238, (S) alpha particle, and (T) beta particle concentrations in water collected from well USGS 19 (Site No. 434426112575701), Idaho National Laboratory, Idaho, 1989–2018.

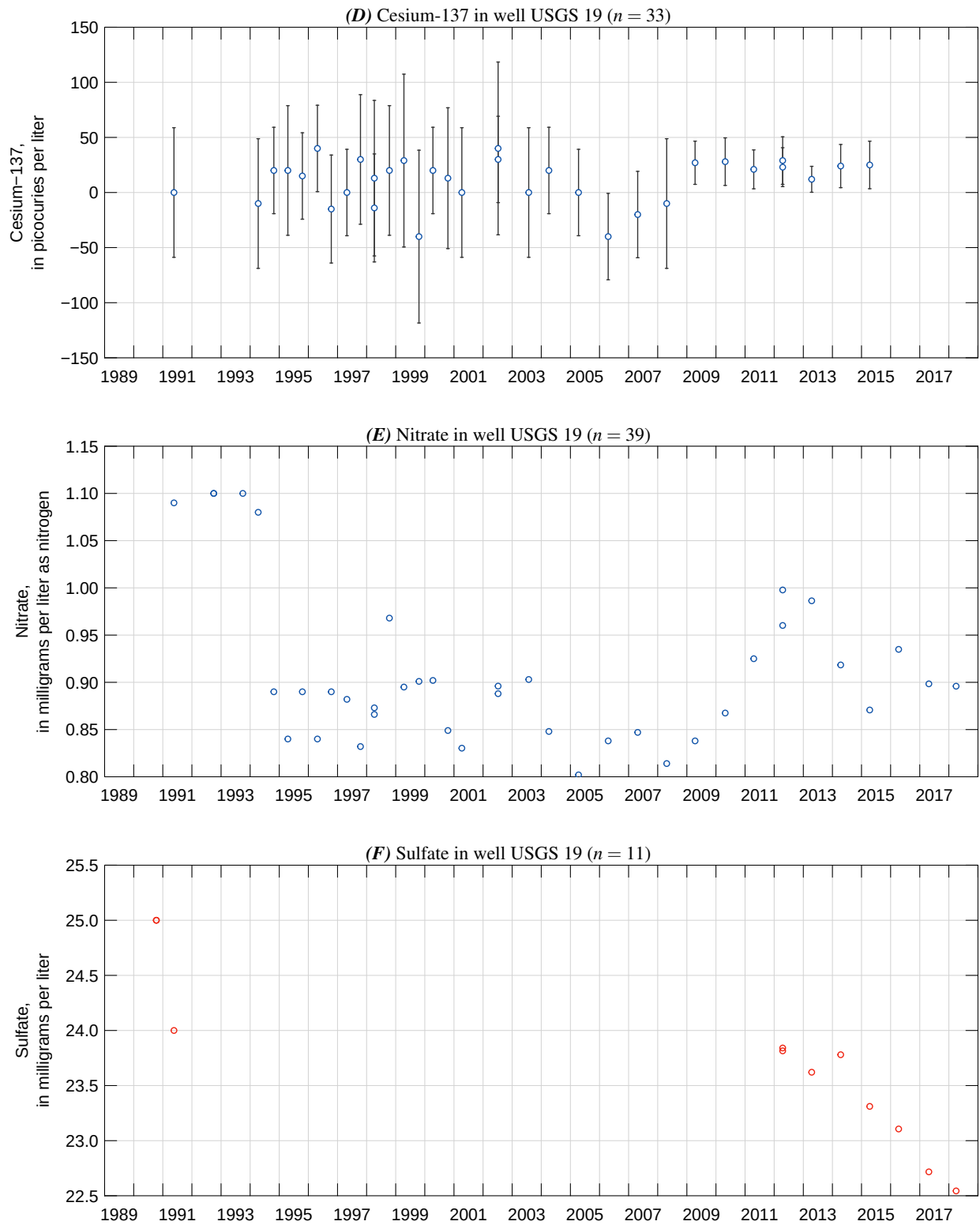


Figure 4.102. —Continued

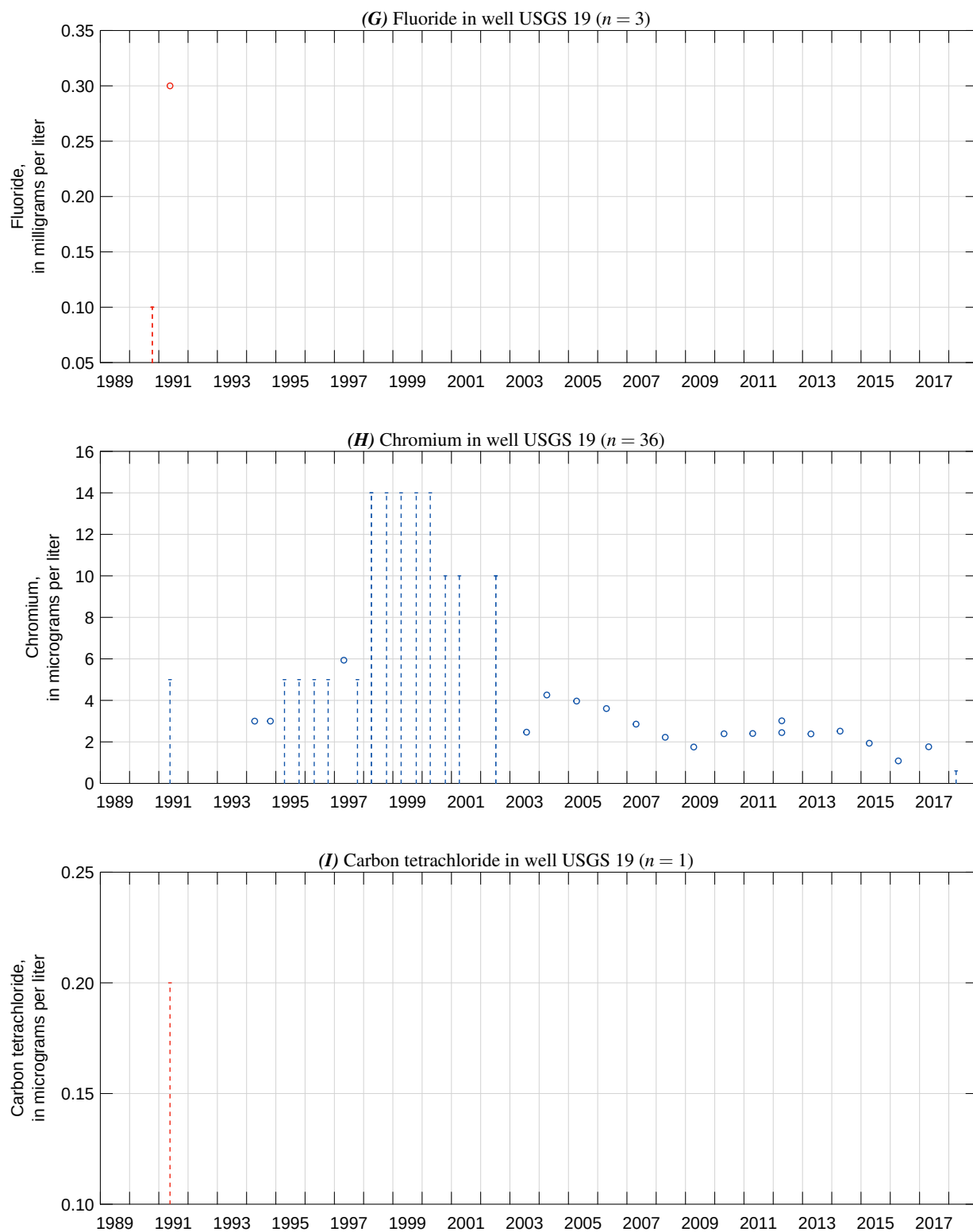


Figure 4.102. —Continued

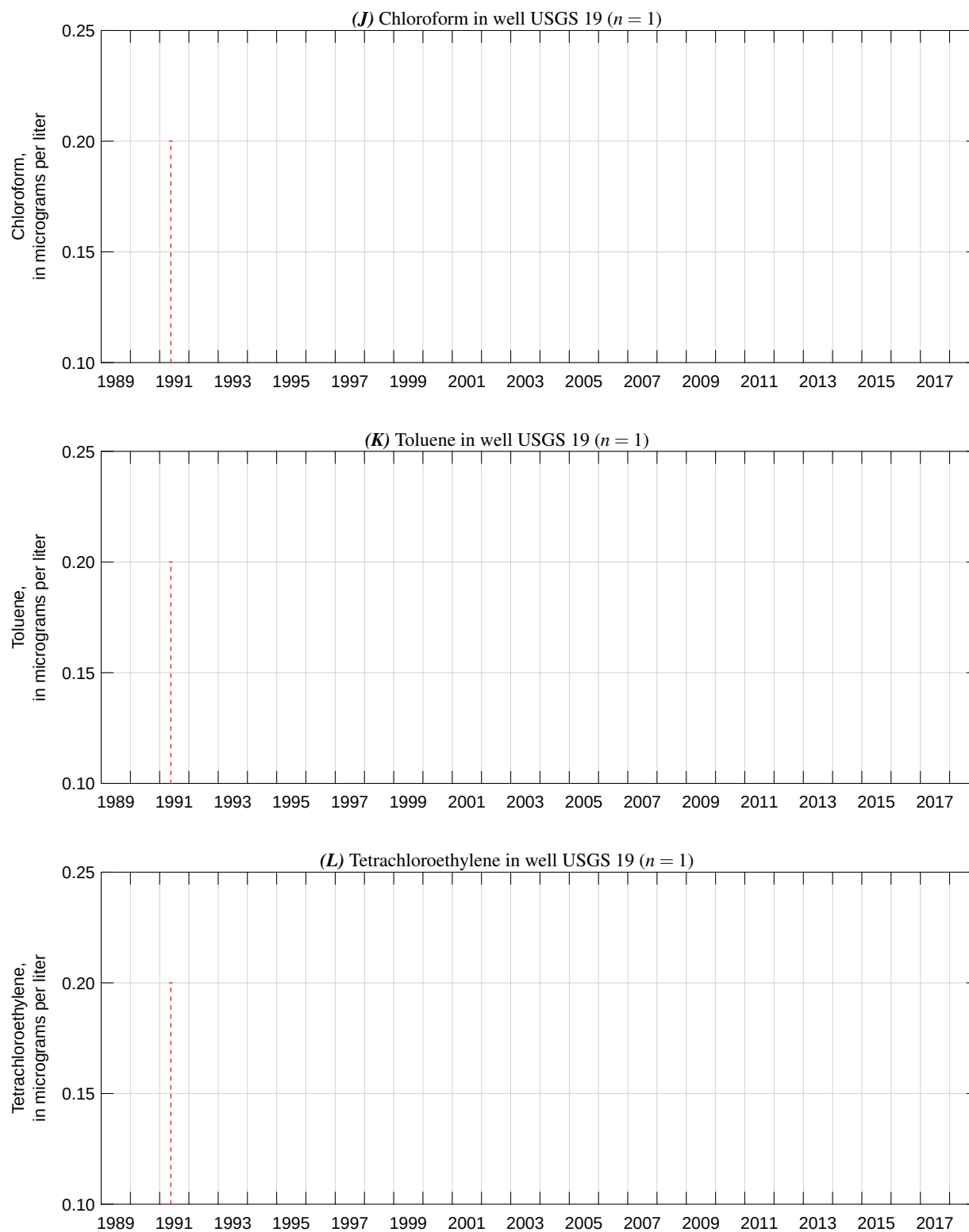


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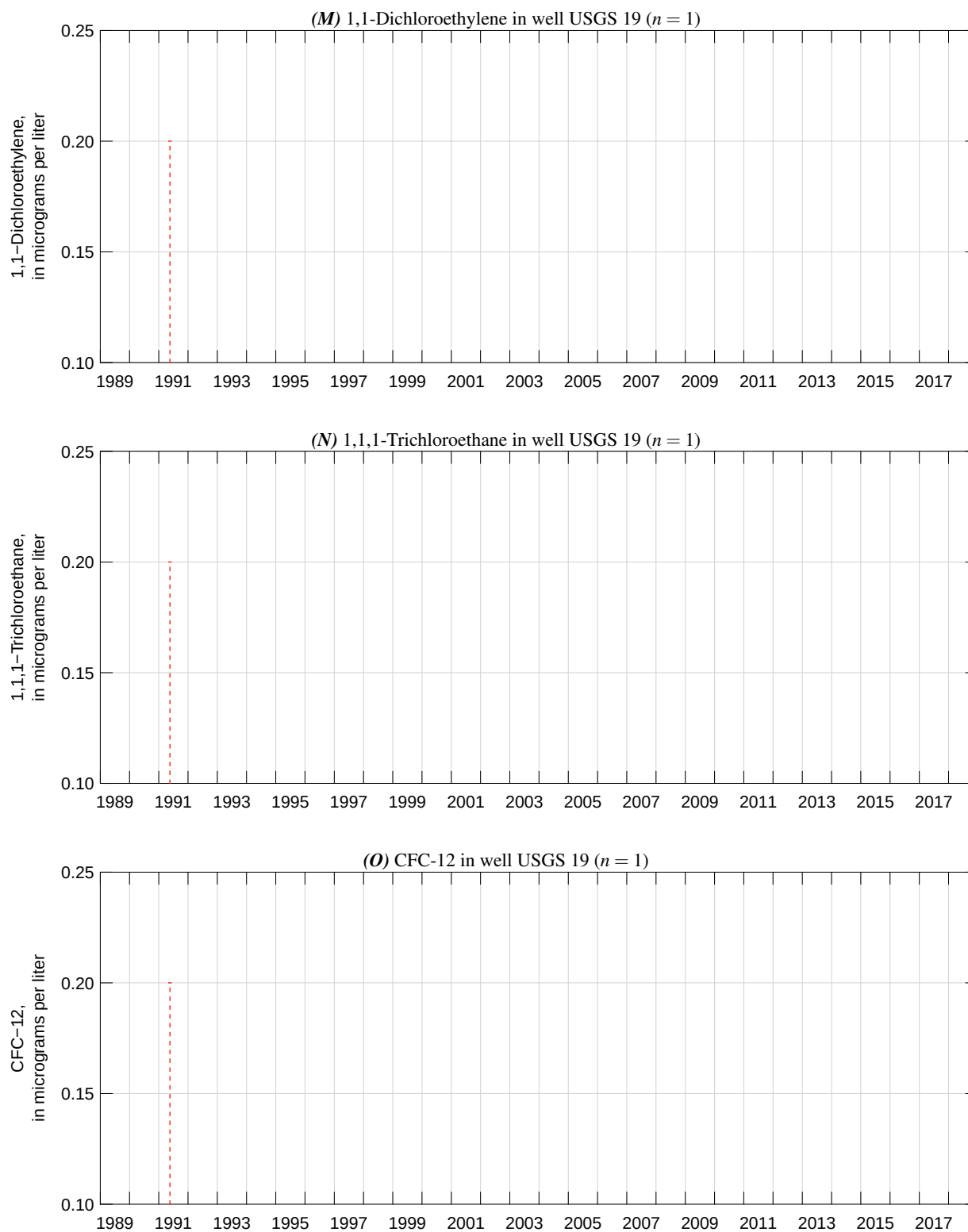


Figure 4.102. —Continued

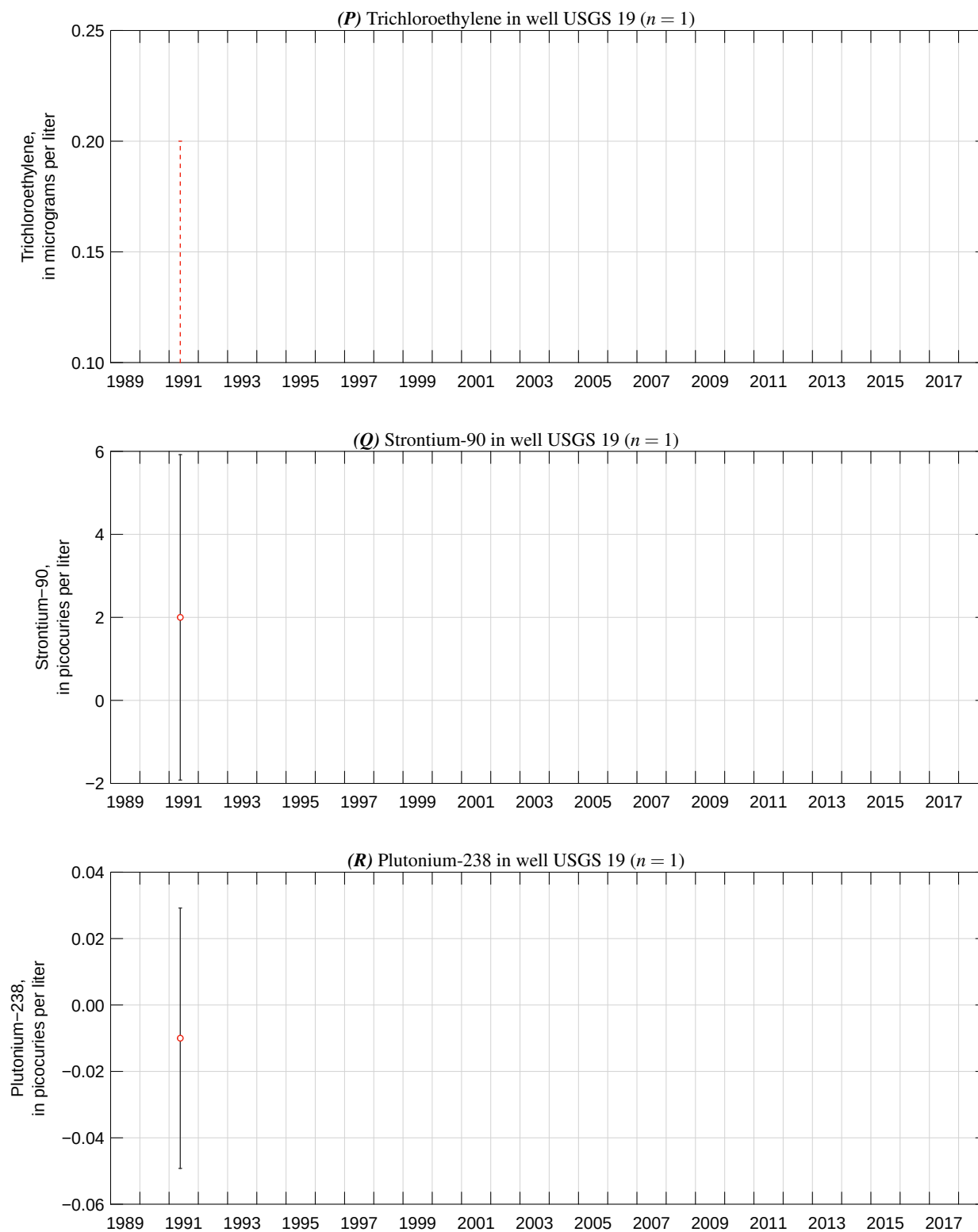


Figure 4.102. —Continued

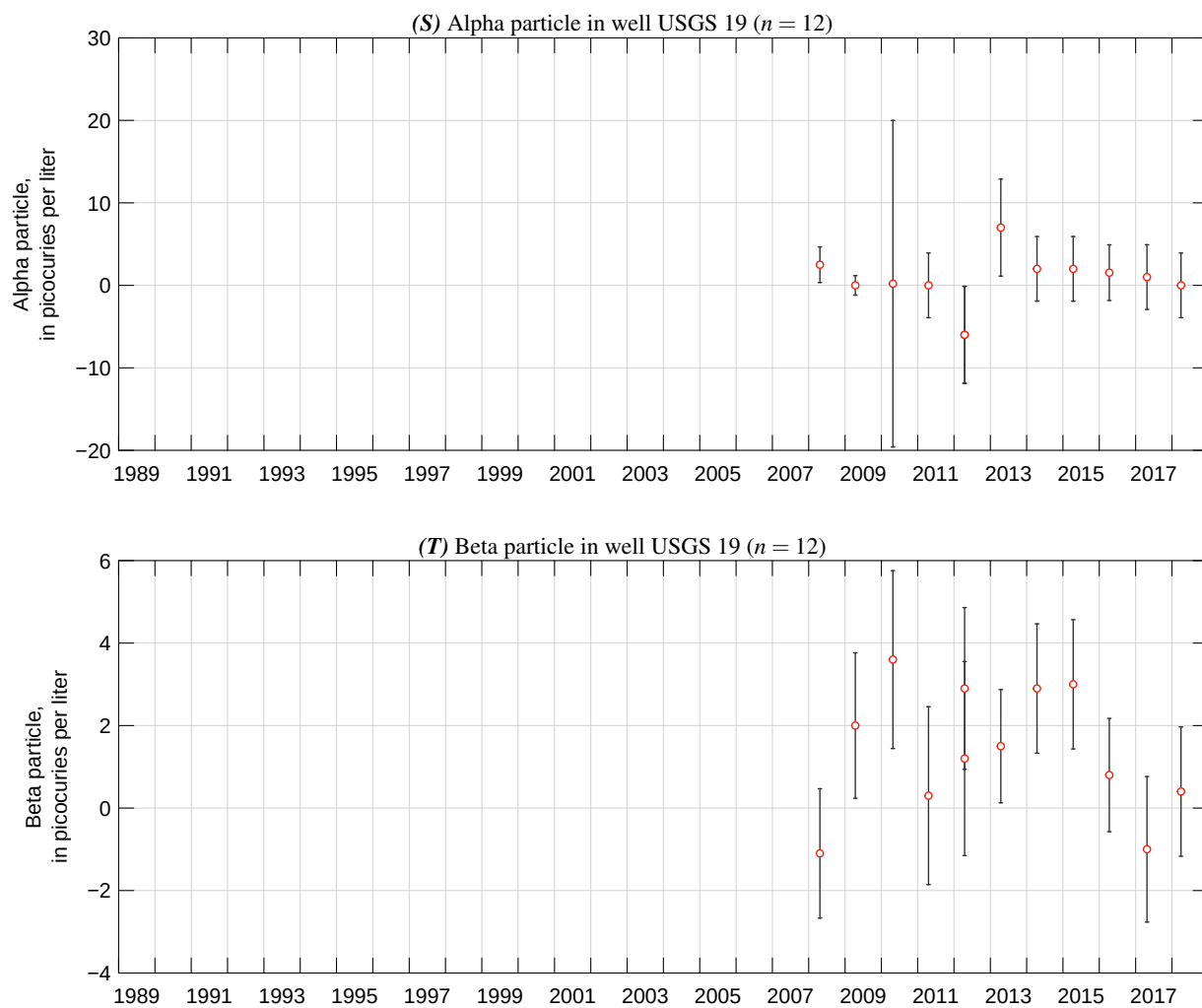


Figure 4.102. —Continued

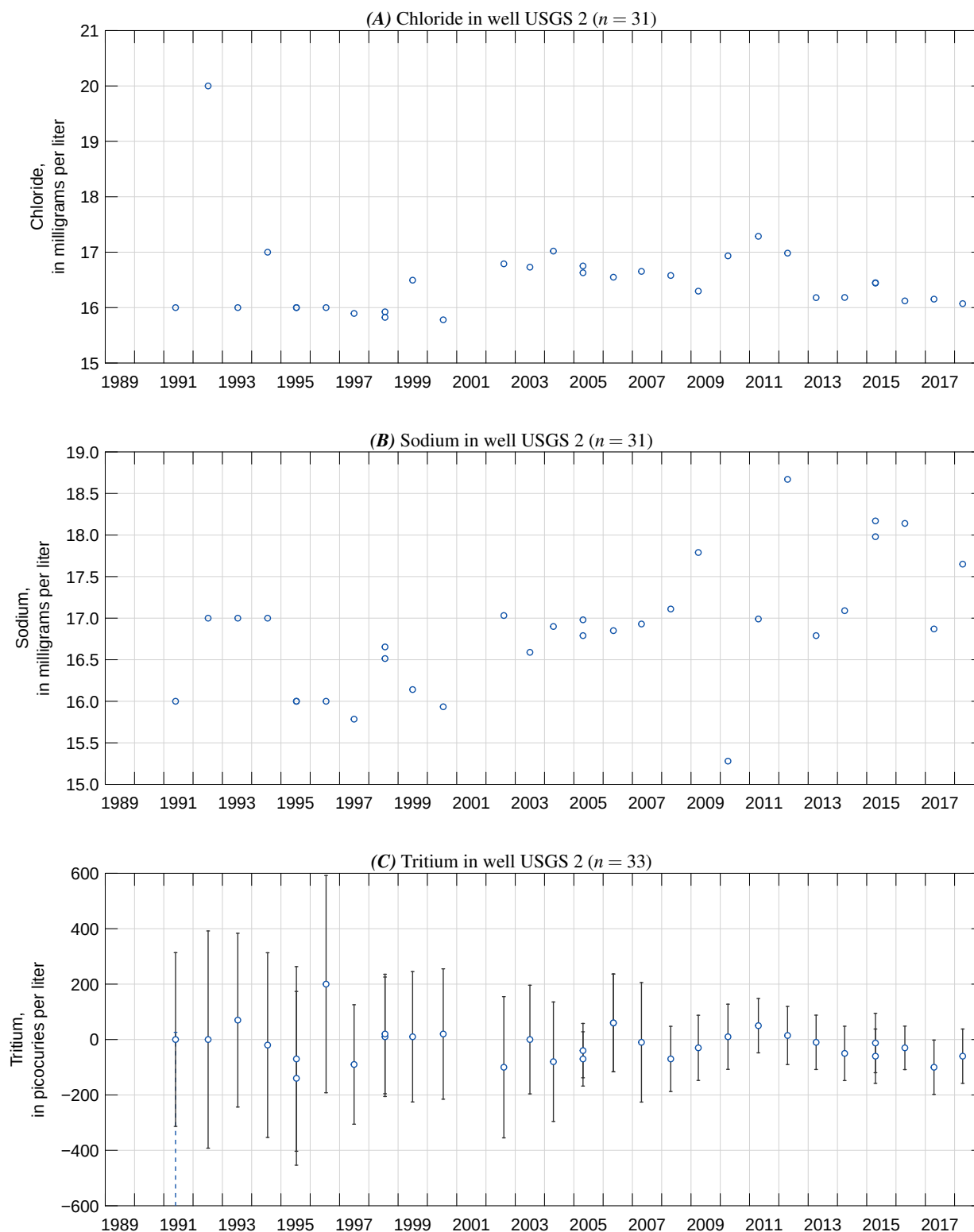


Figure 4.103. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, and (R) plutonium-238 concentrations in water collected from well USGS 2 (Site No. 433320112432301), Idaho National Laboratory, Idaho, 1989–2018.

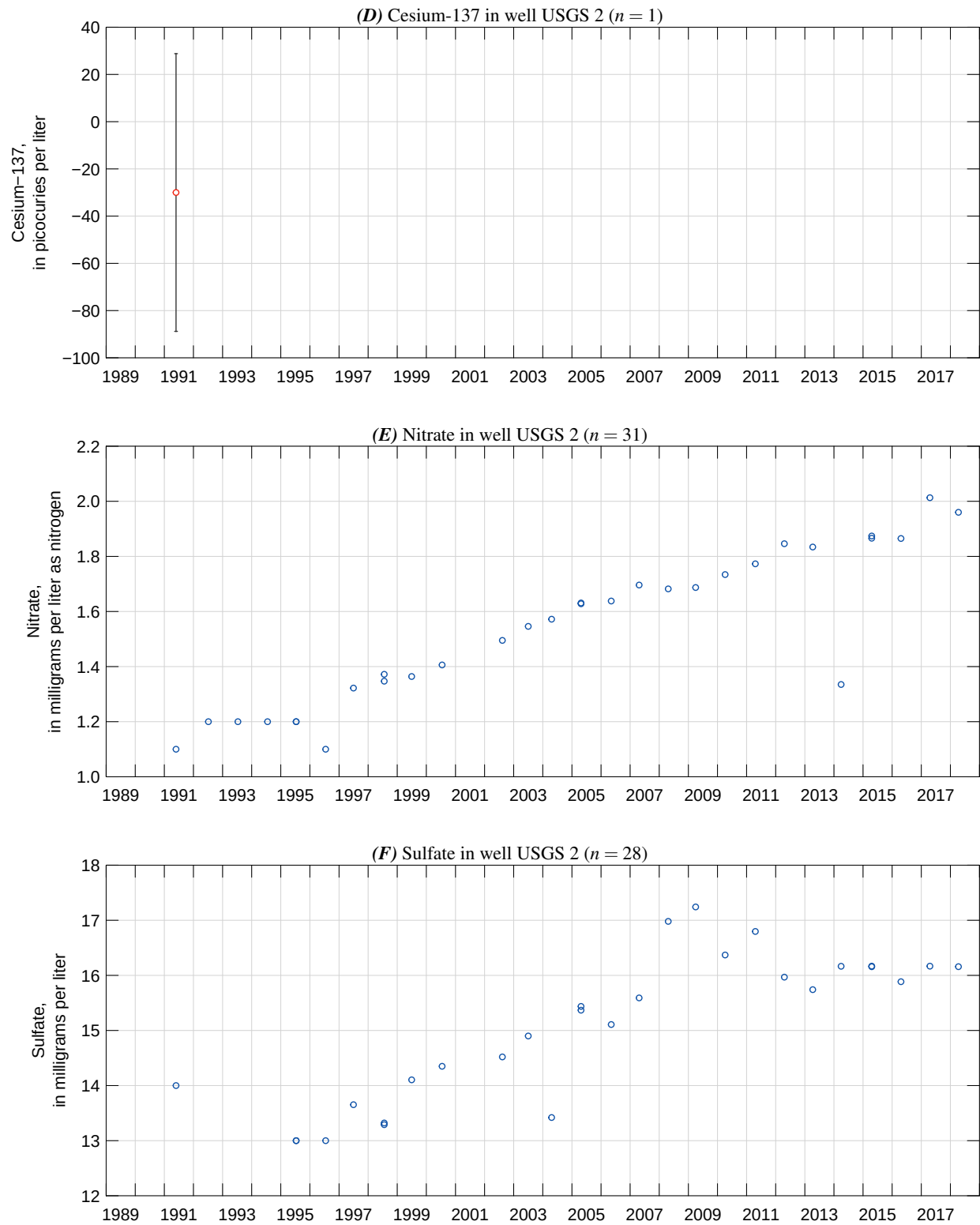


Figure 4.103. —Continued

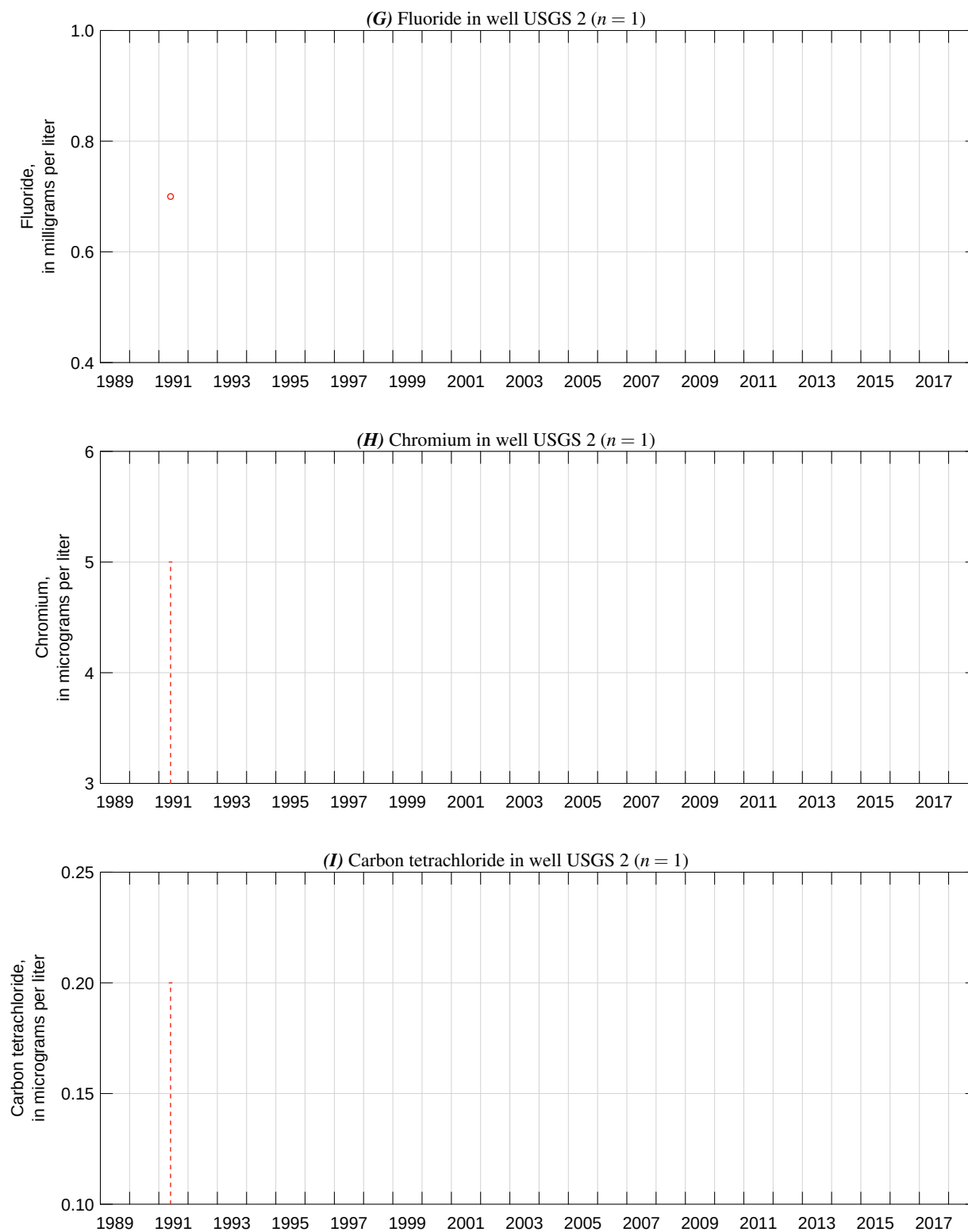


Figure 4.103. —Continued

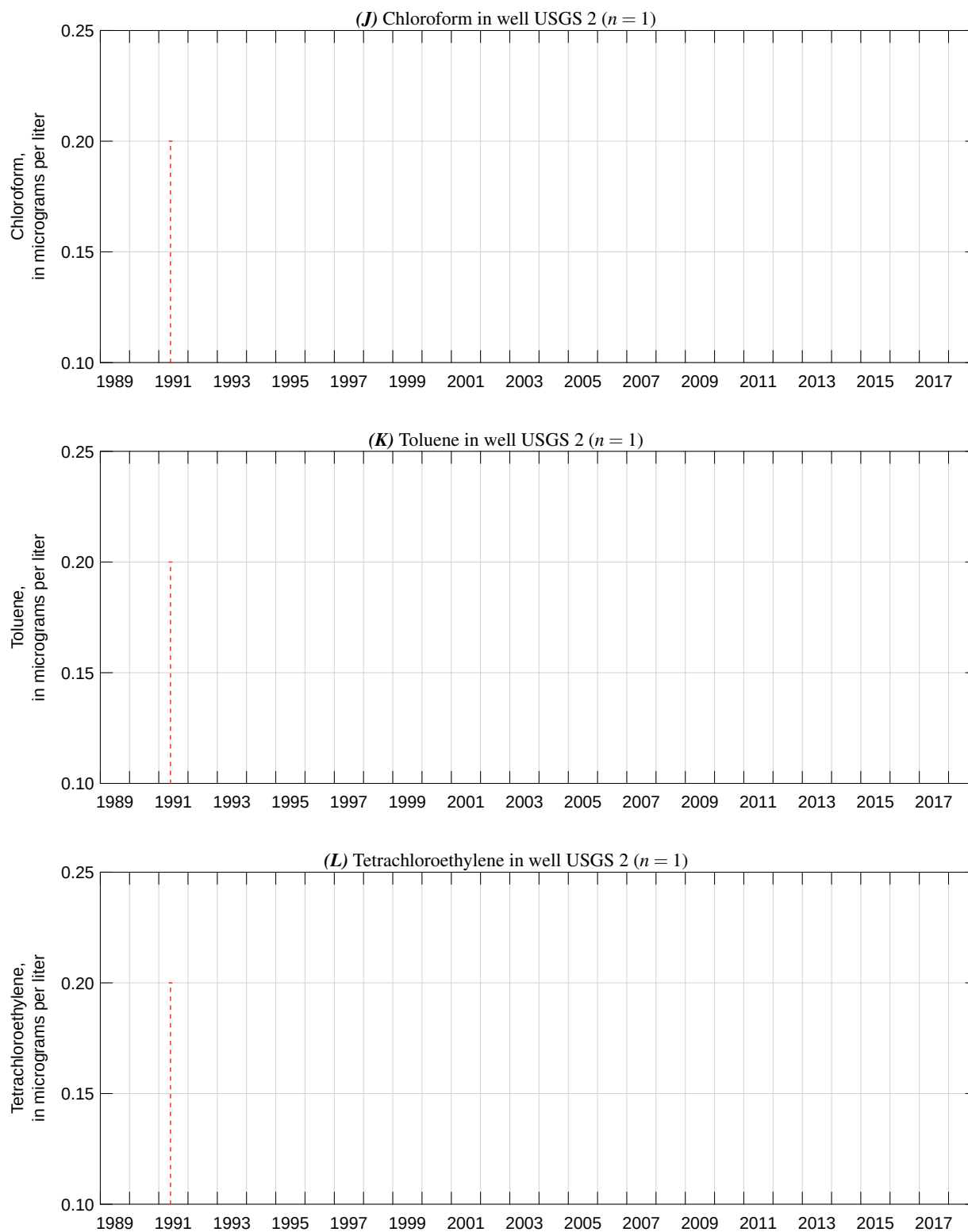


Figure 4.103. —Continued

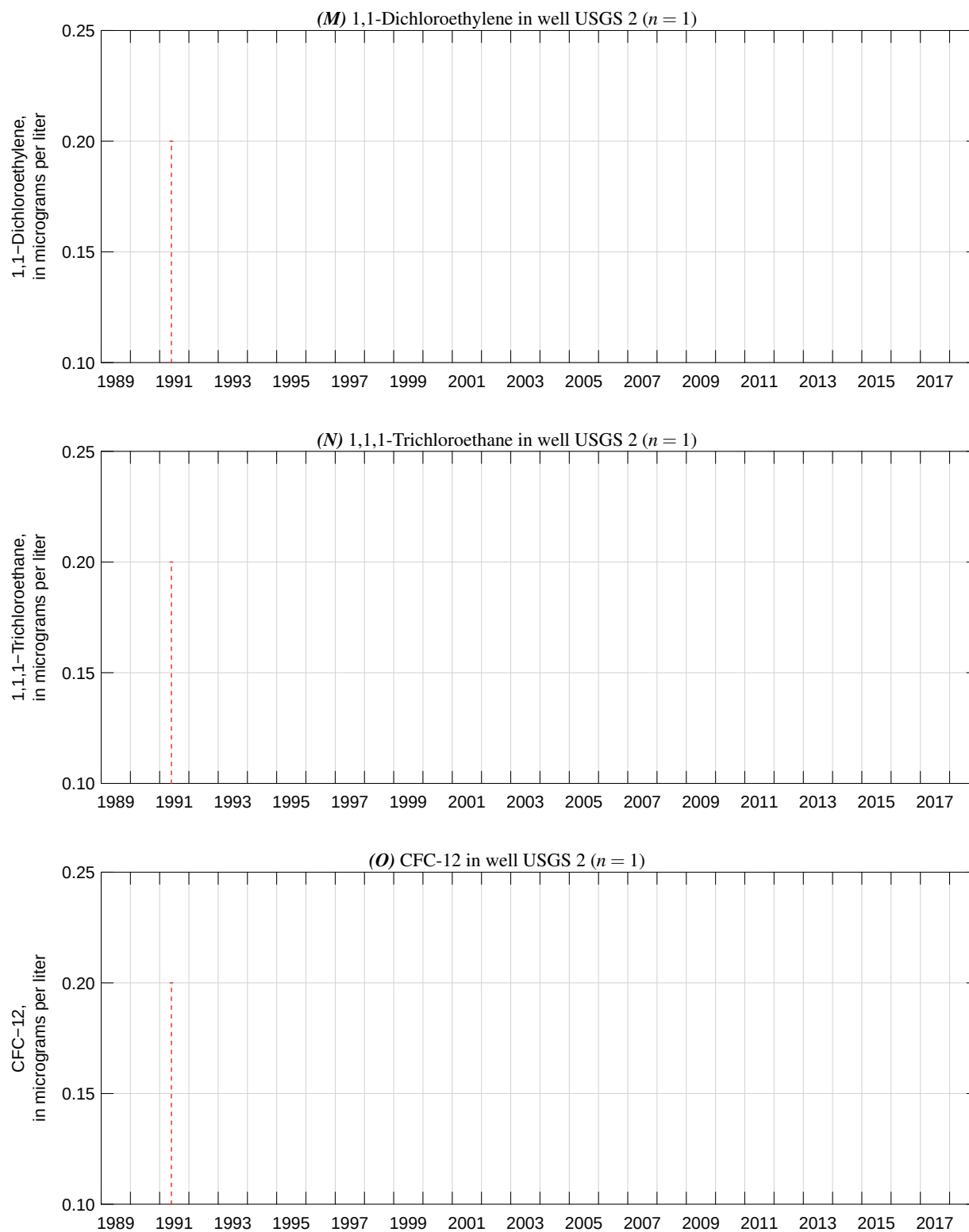


Figure 4.103. —Continued

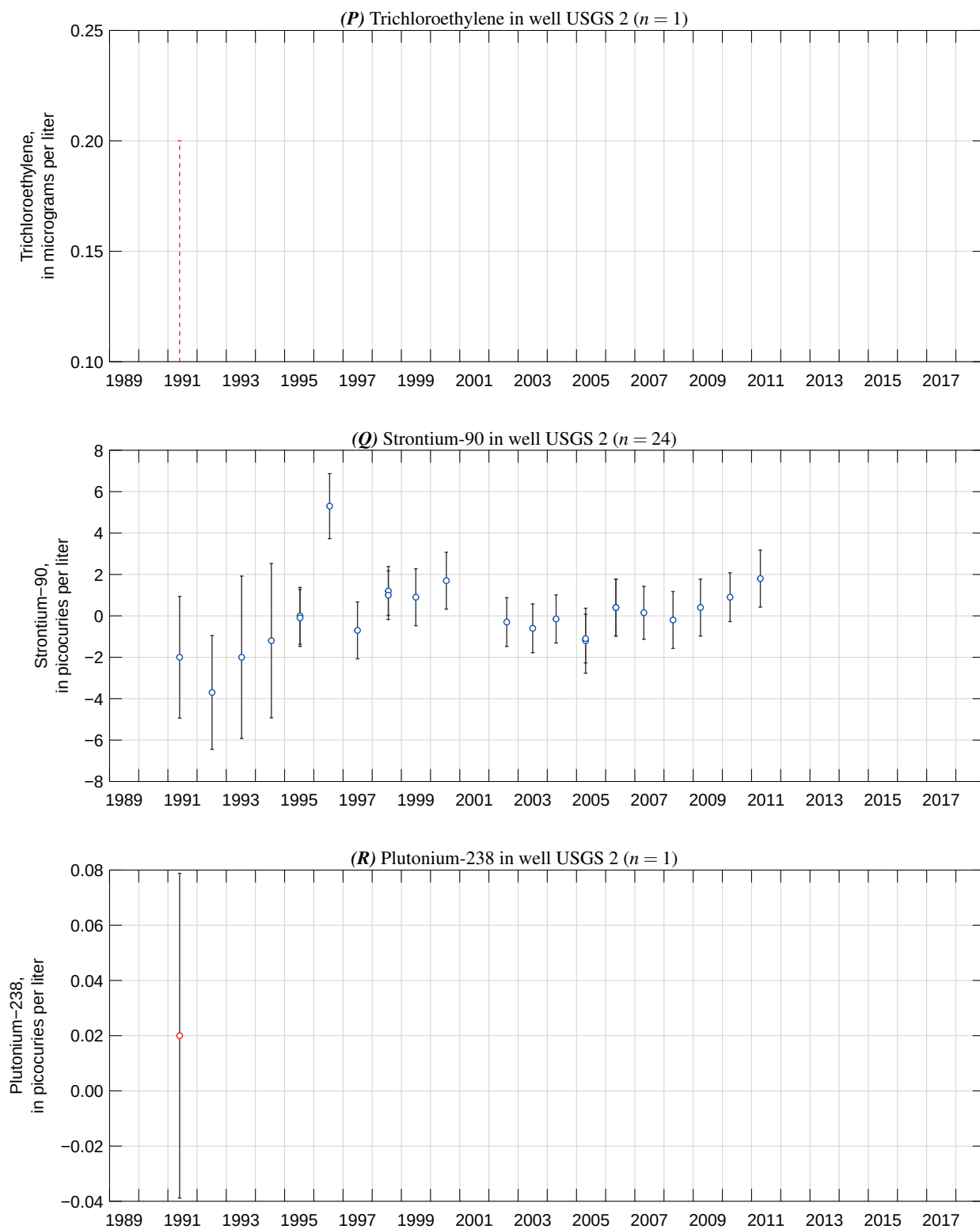


Figure 4.103. —Continued

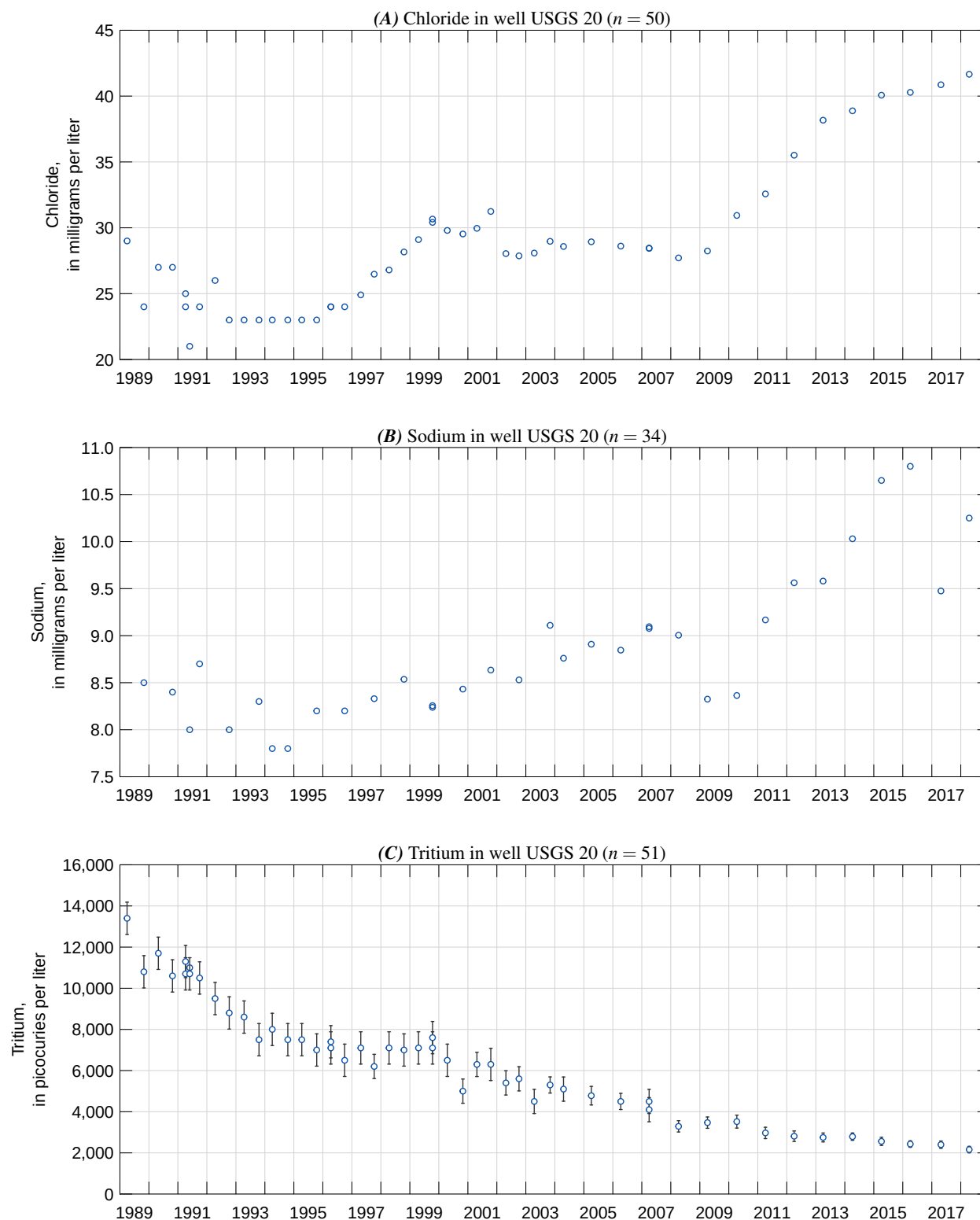


Figure 4.104. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, and (R) plutonium-238 concentrations in water collected from well USGS 20 (Site No. 433253112545901), Idaho National Laboratory, Idaho, 1989–2018.

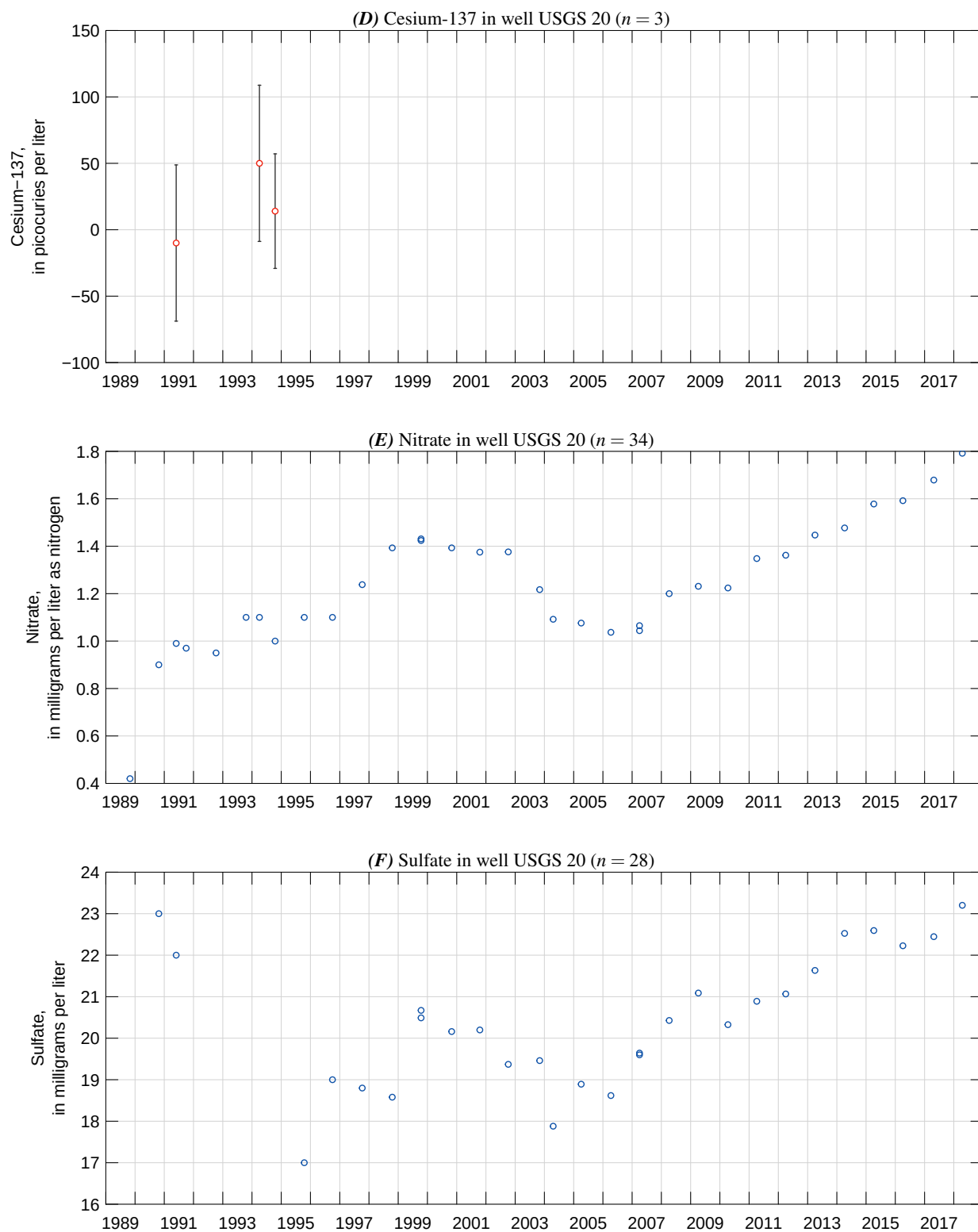


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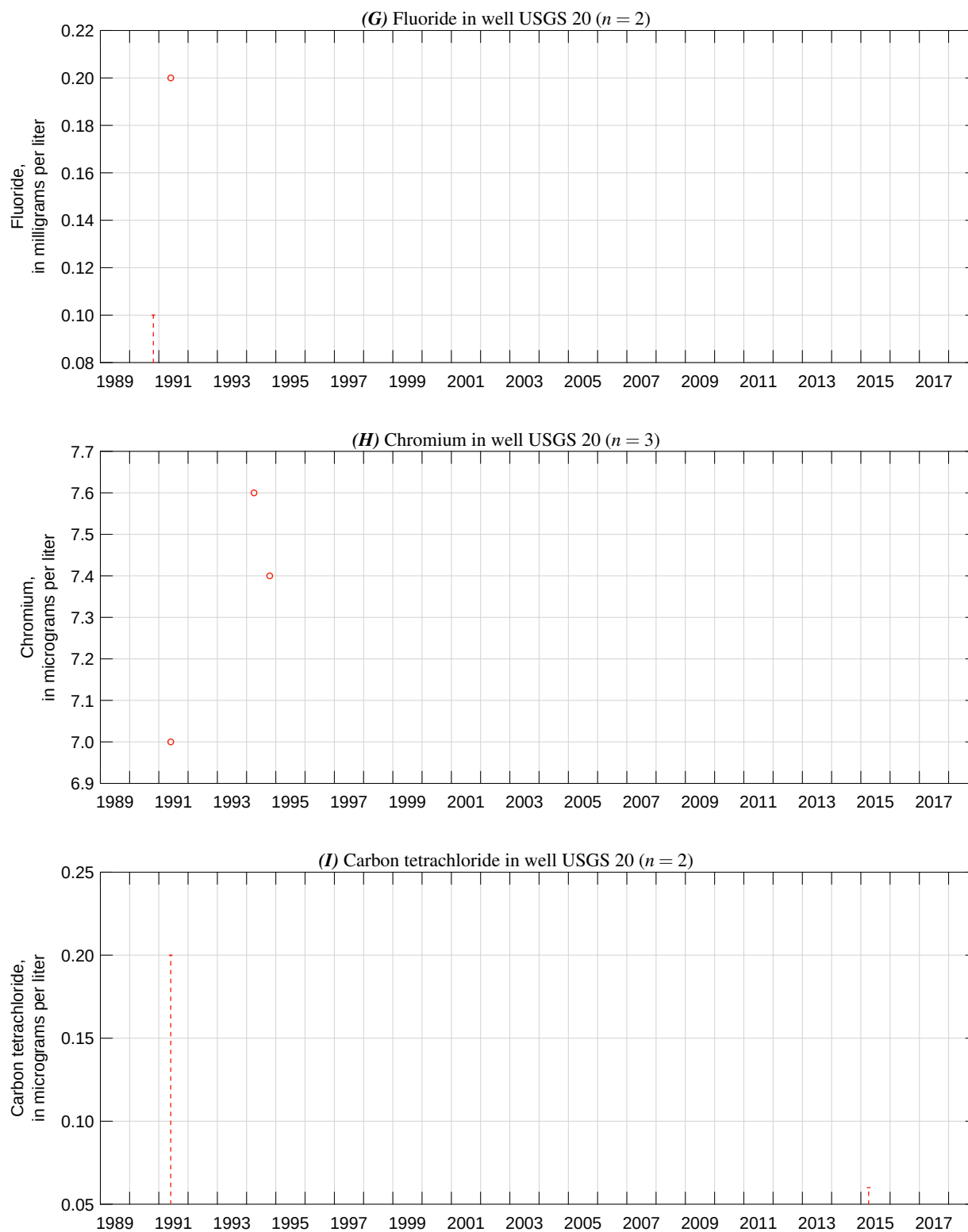


Figure 4.104. —Continued

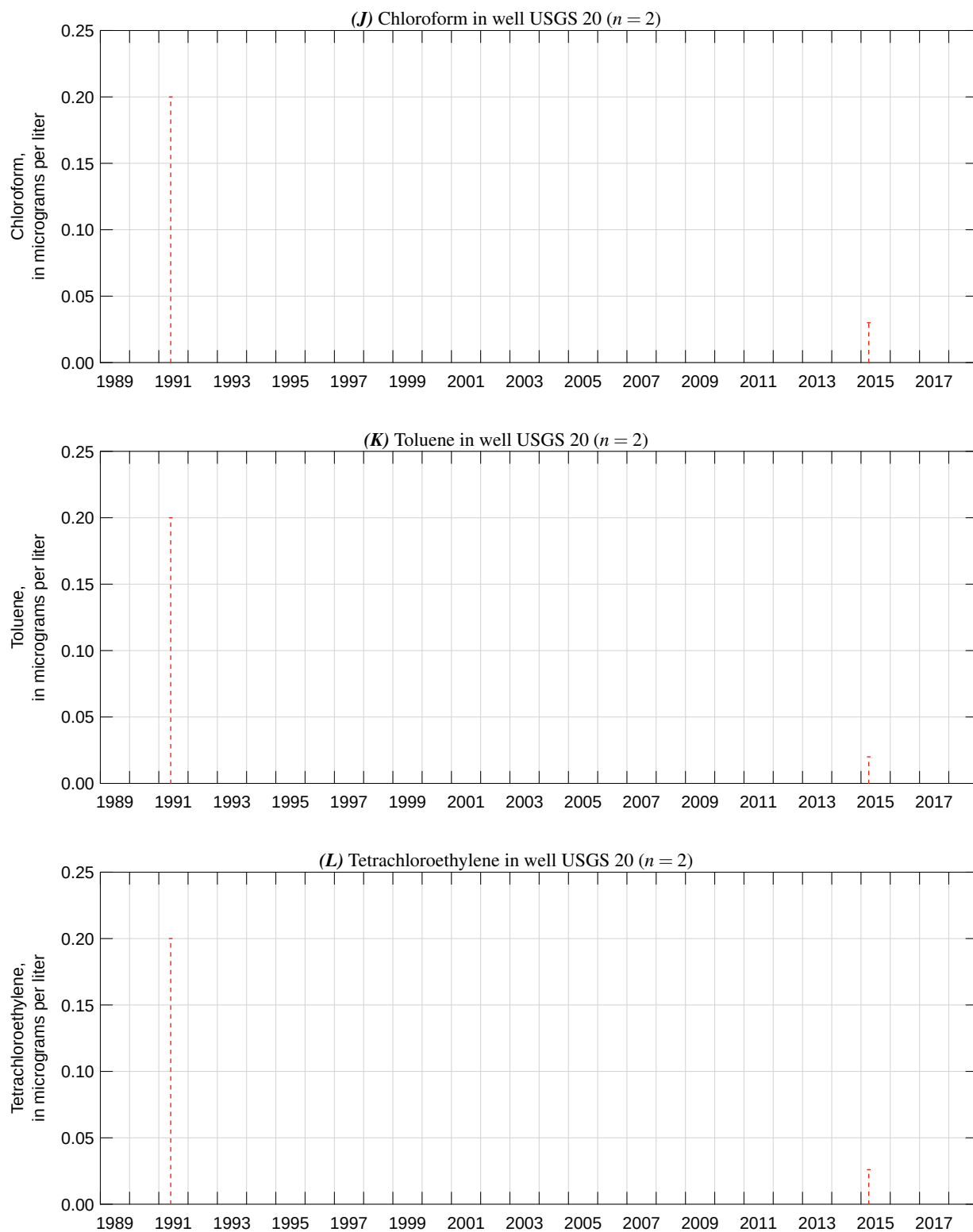


Figure 4.104. —Continued

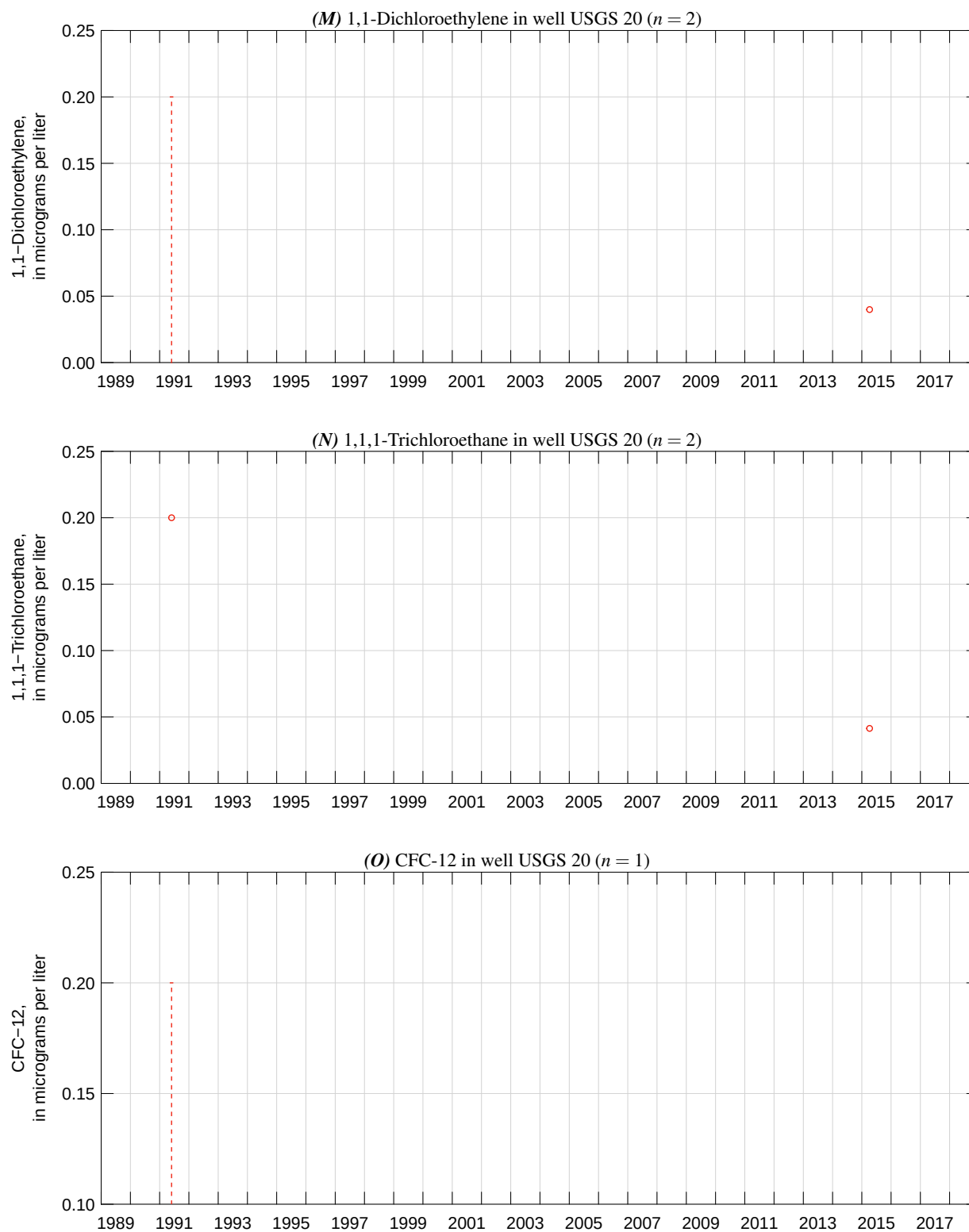


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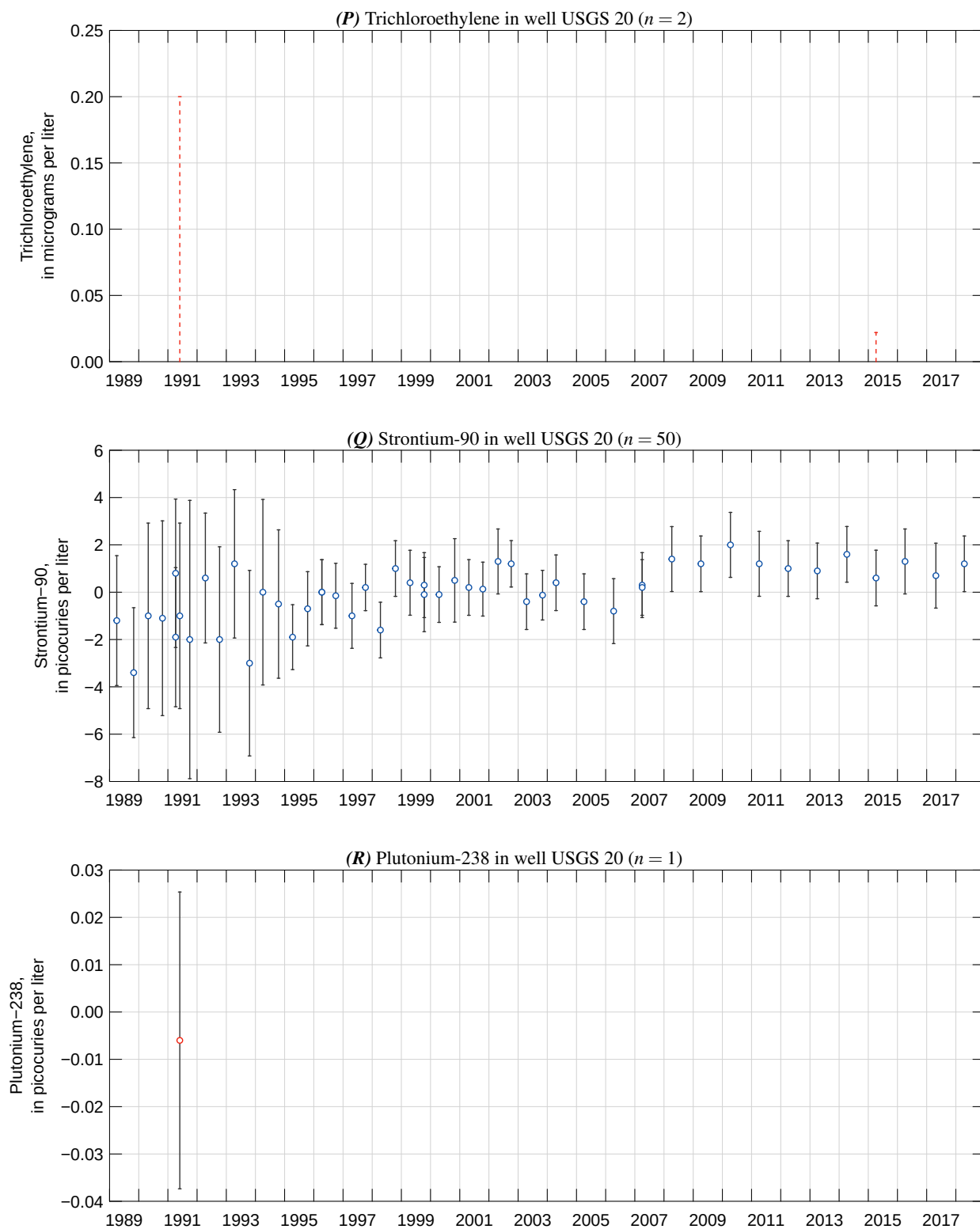


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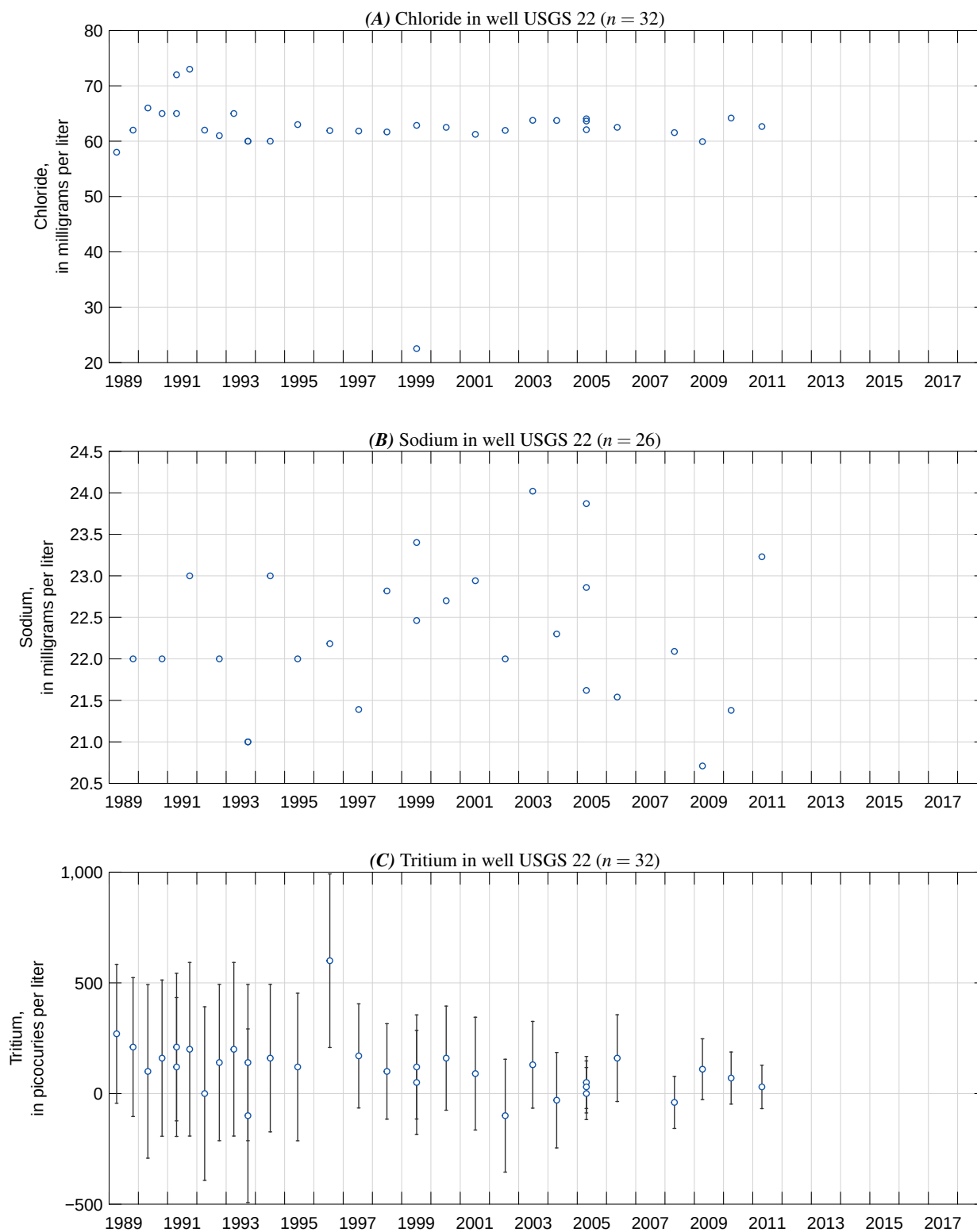


Figure 4.105. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, and (R) plutonium-238 concentrations in water collected from well USGS 22 (Site No. 433422113031701), Idaho National Laboratory, Idaho, 1989–2018.

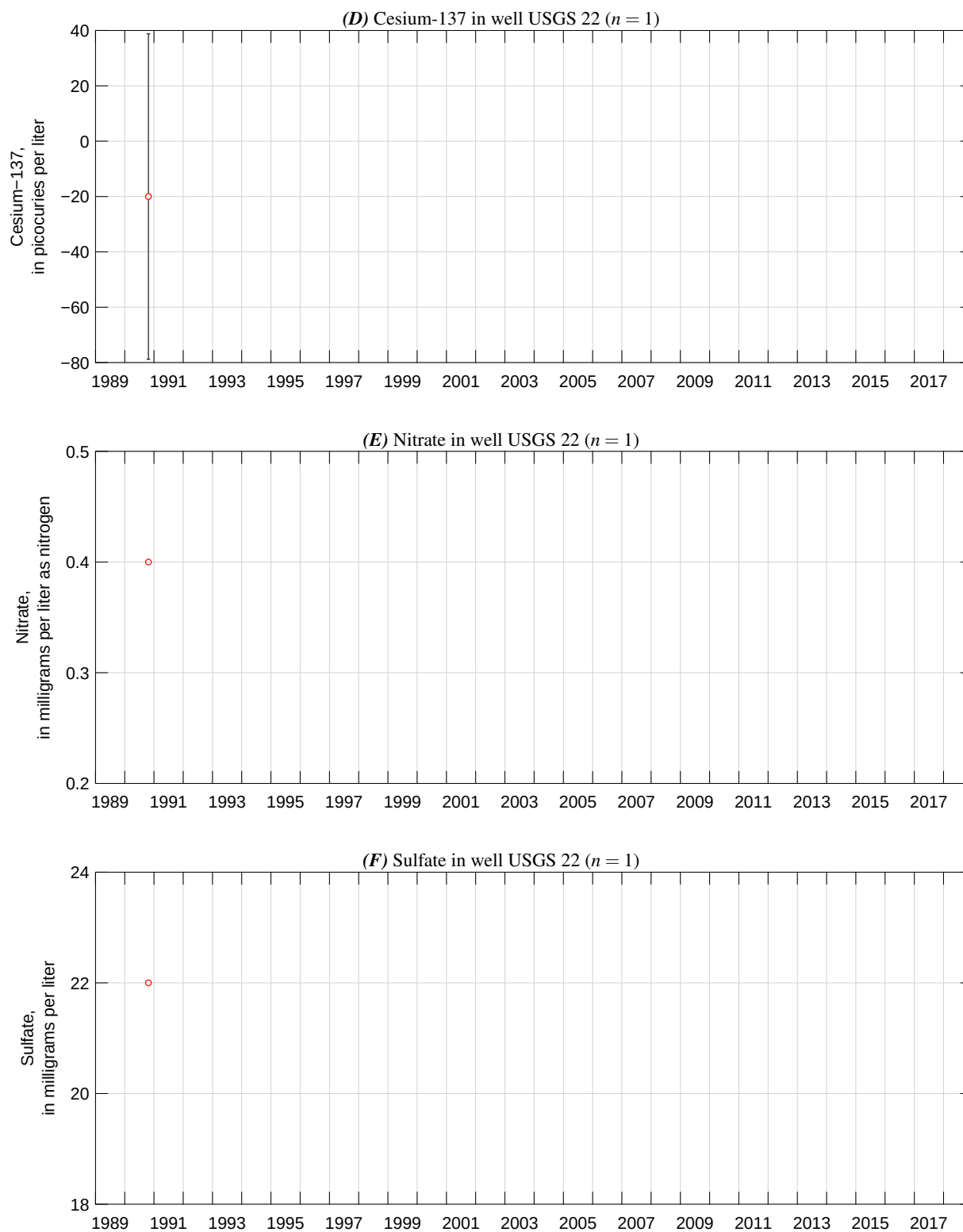


Figure 4.105. —Continued

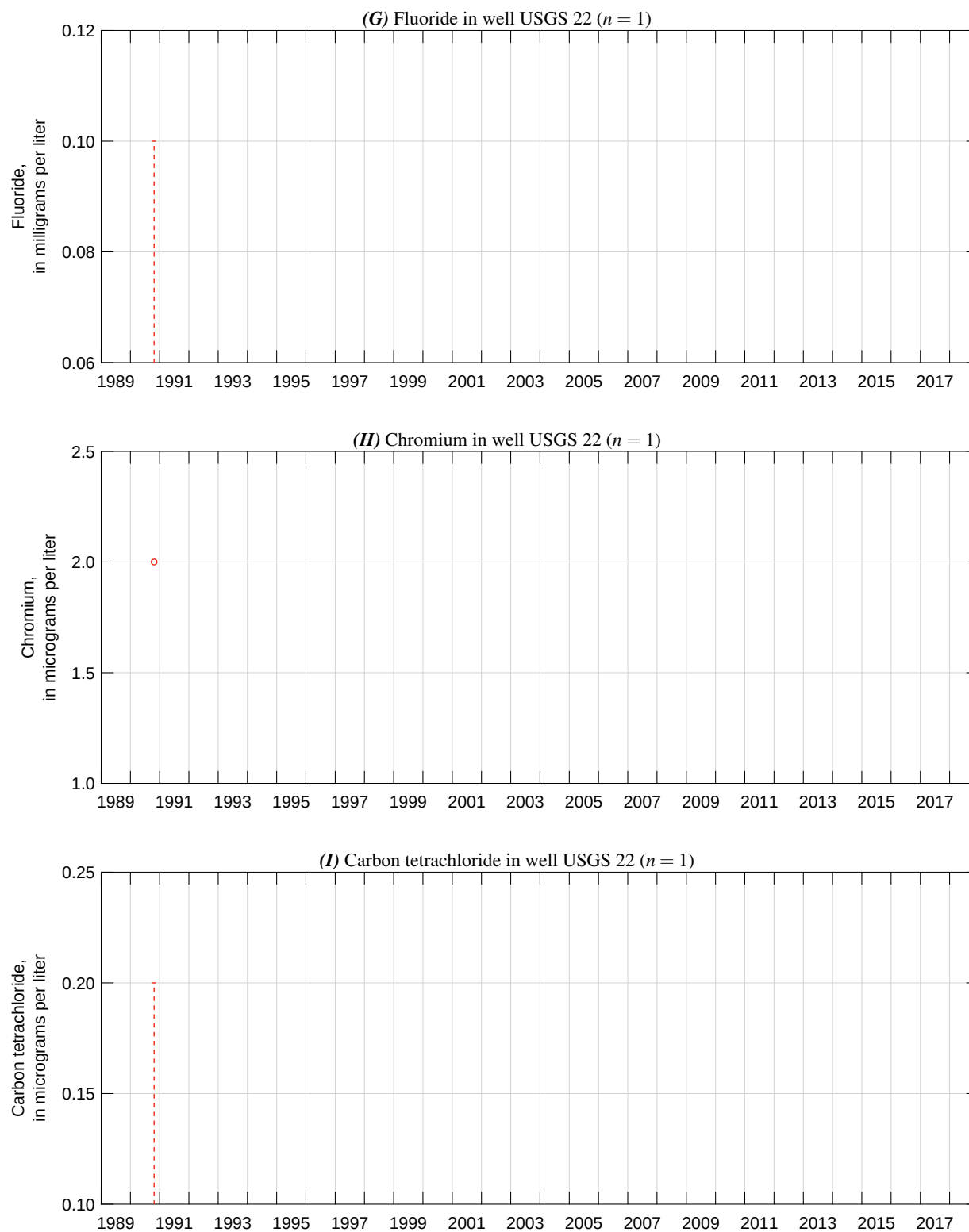


Figure 4.105. —Continued

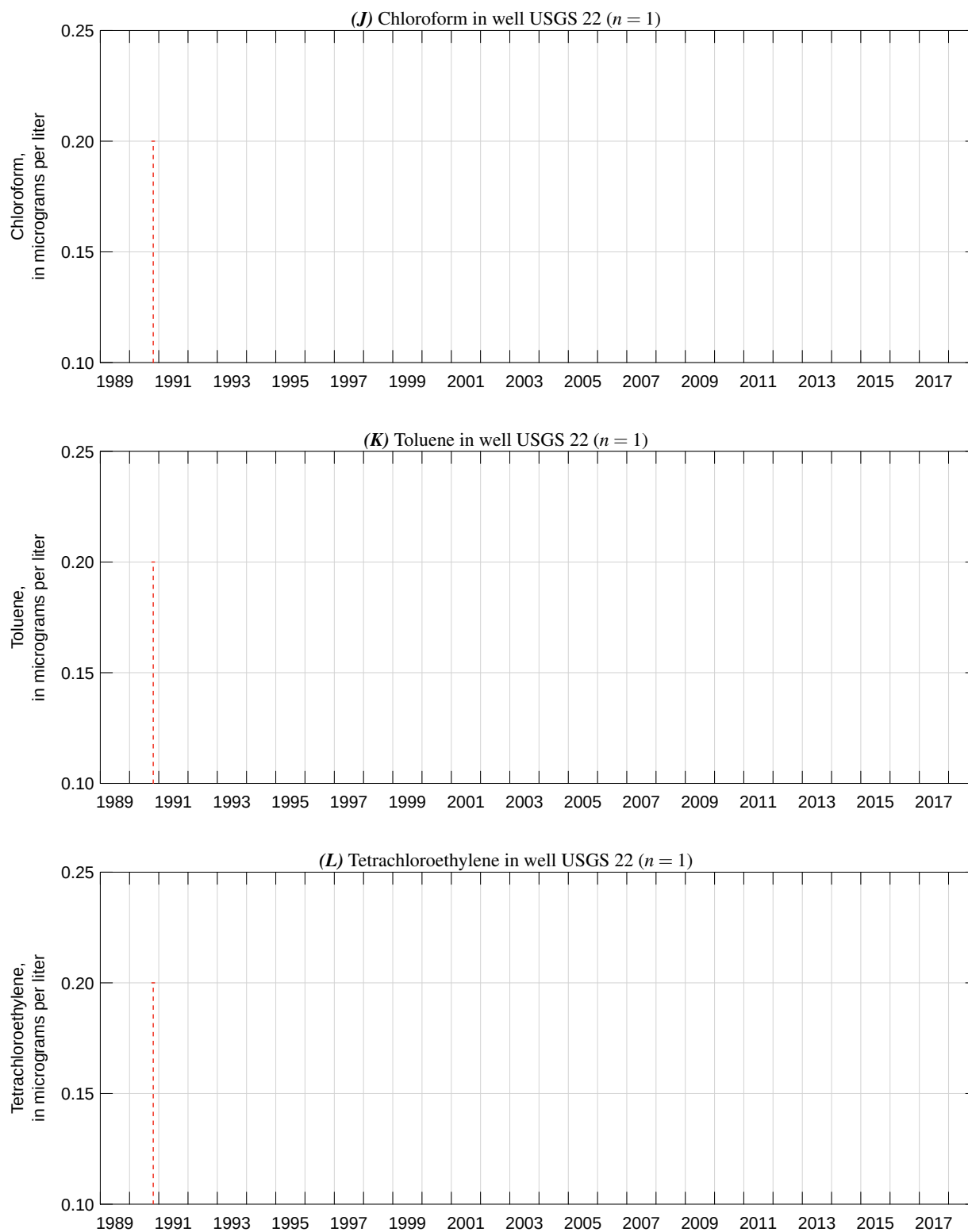


Figure 4.105. —Continued

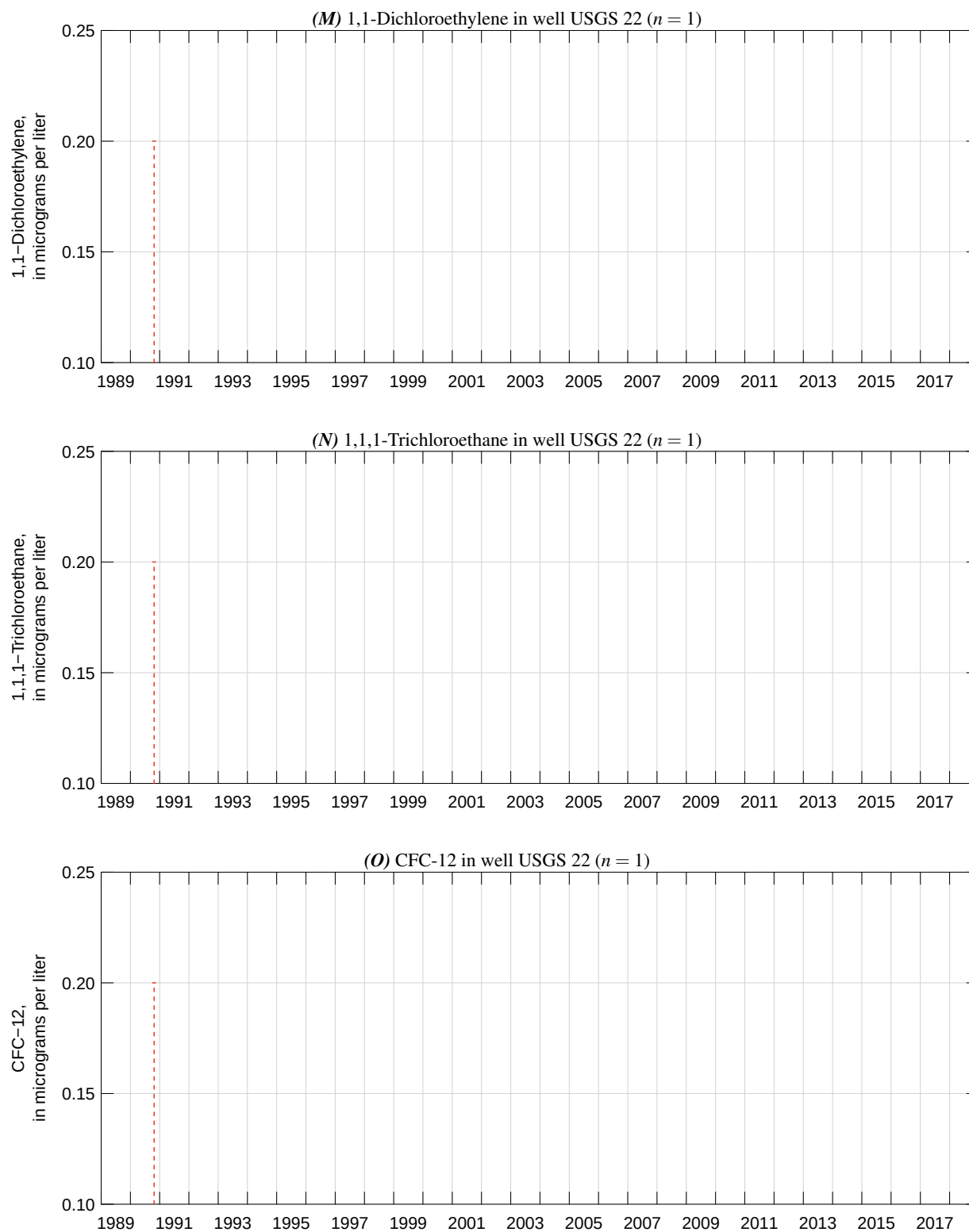


Figure 4.105. —Continued

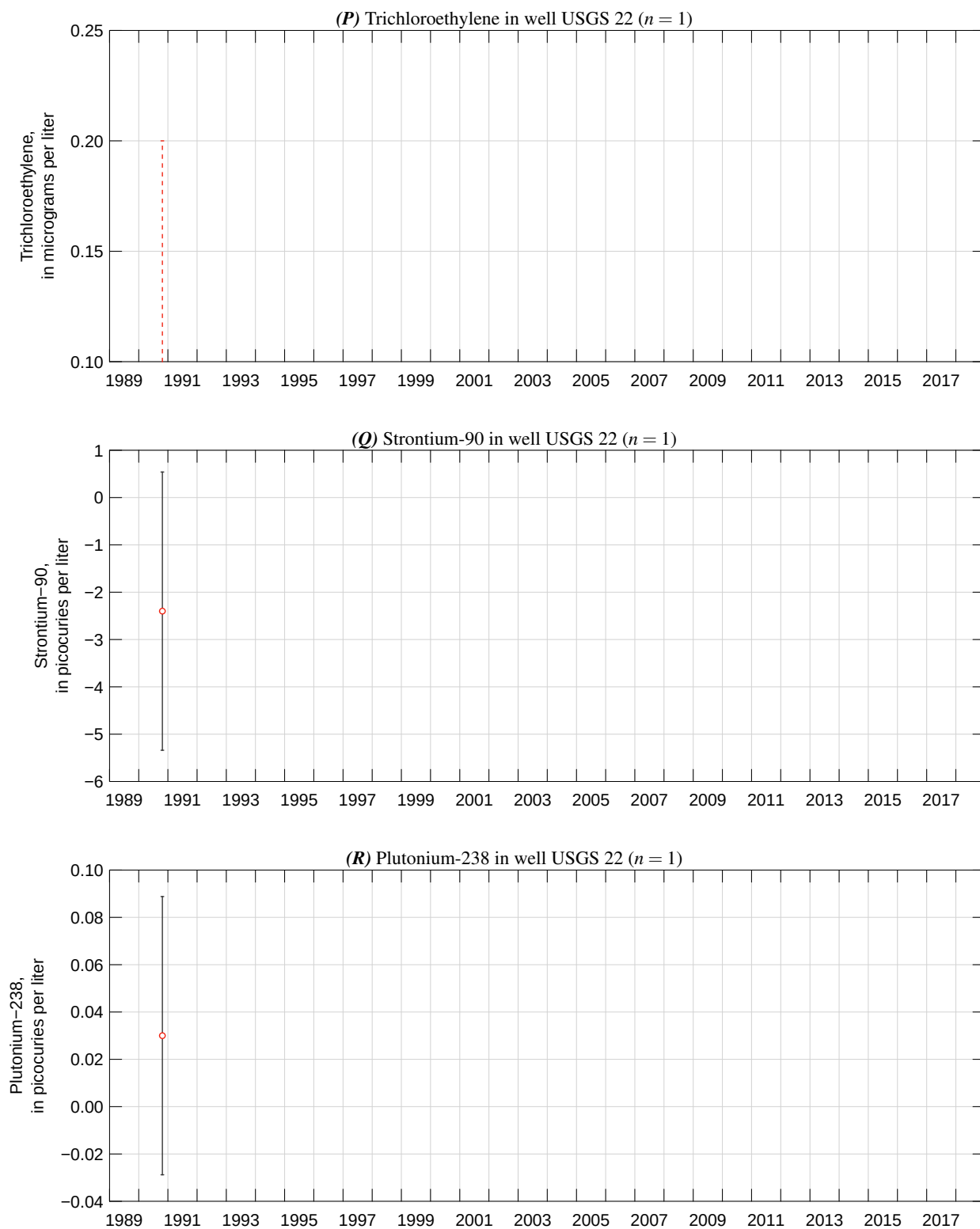


Figure 4.105. —Continued

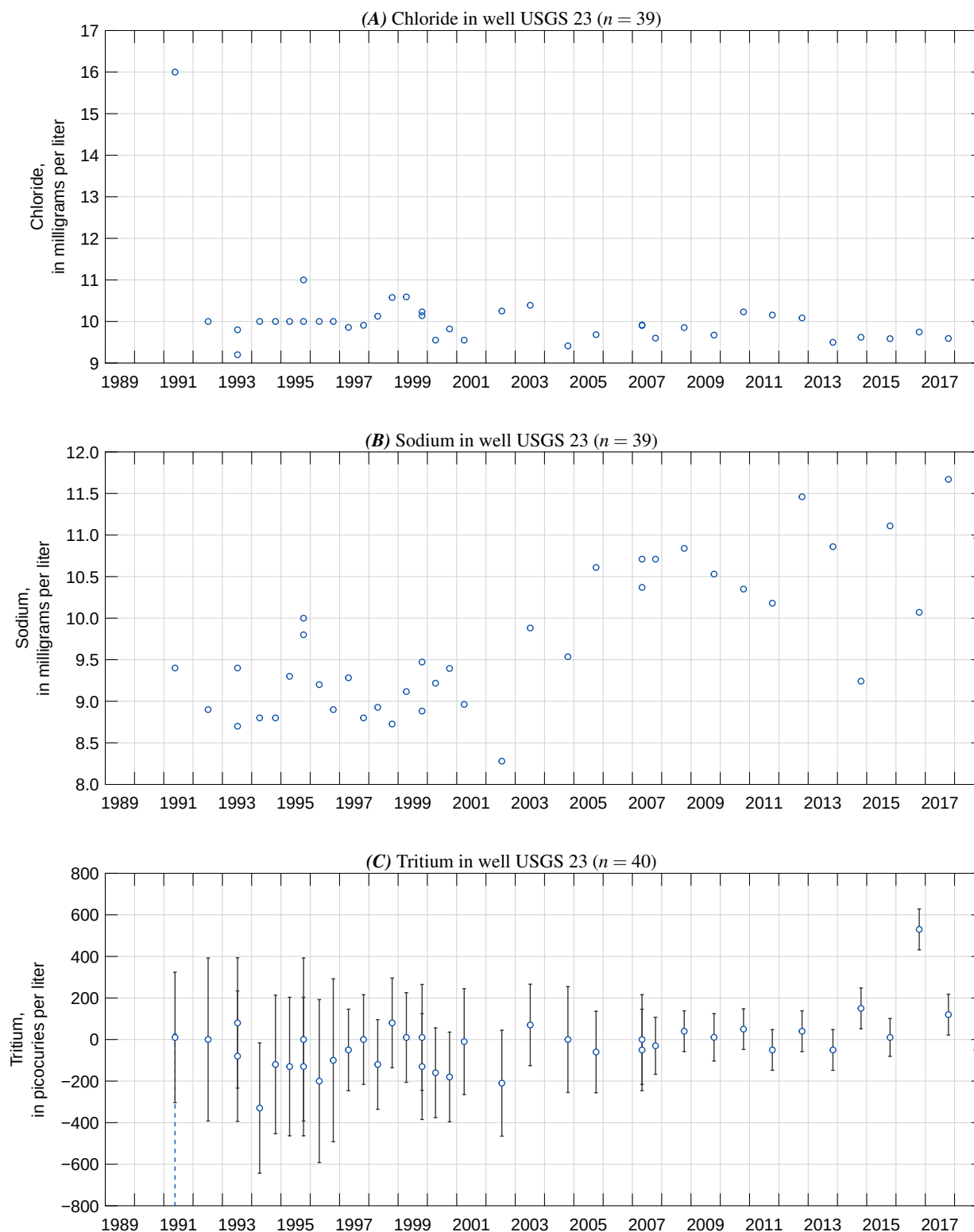


Figure 4.106. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, (R) plutonium-238, (S) alpha particle, and (T) beta particle concentrations in water collected from well USGS 23 (Site No. 434055112595901), Idaho National Laboratory, Idaho, 1989–2018.

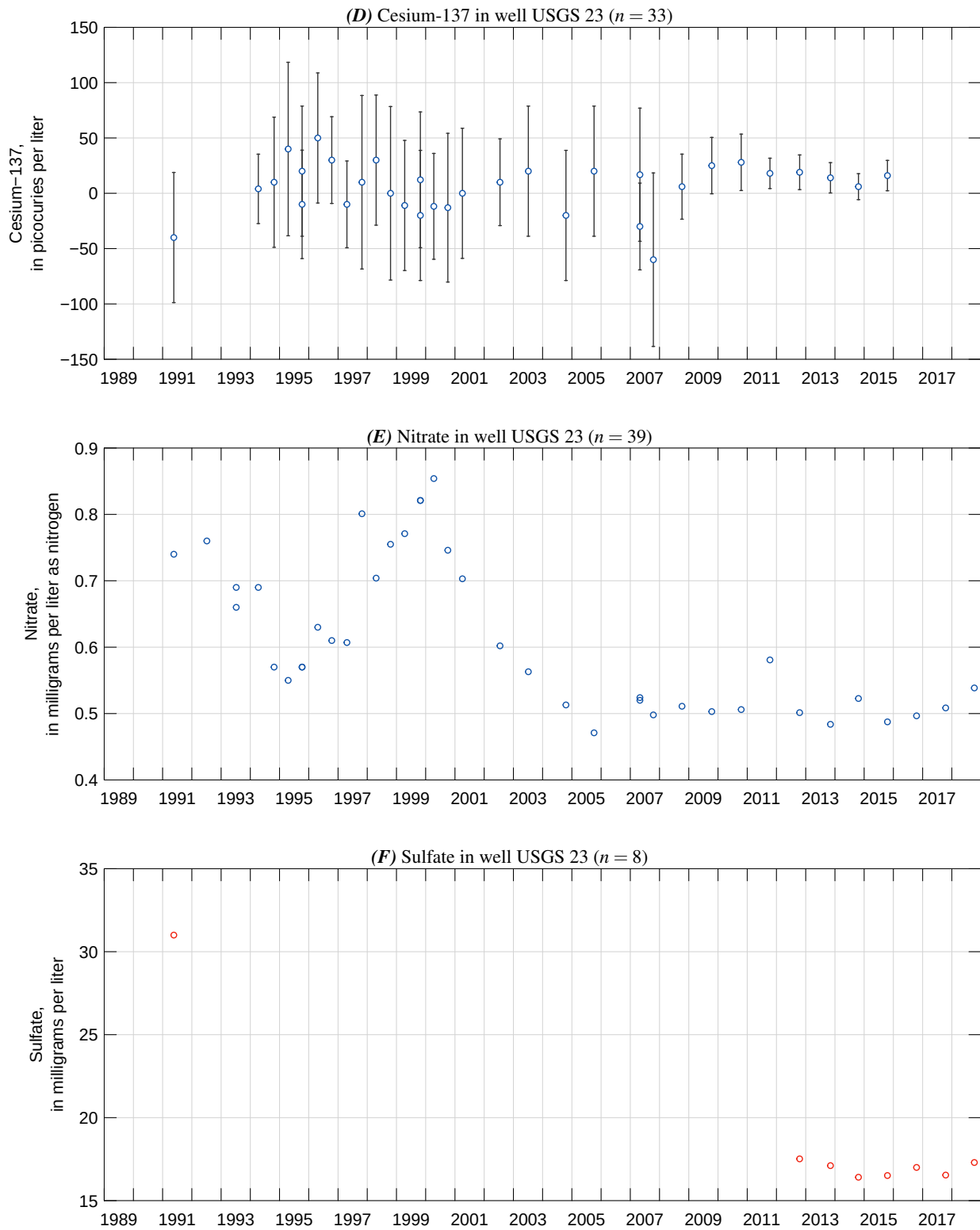


Figure 4.106. —Continued

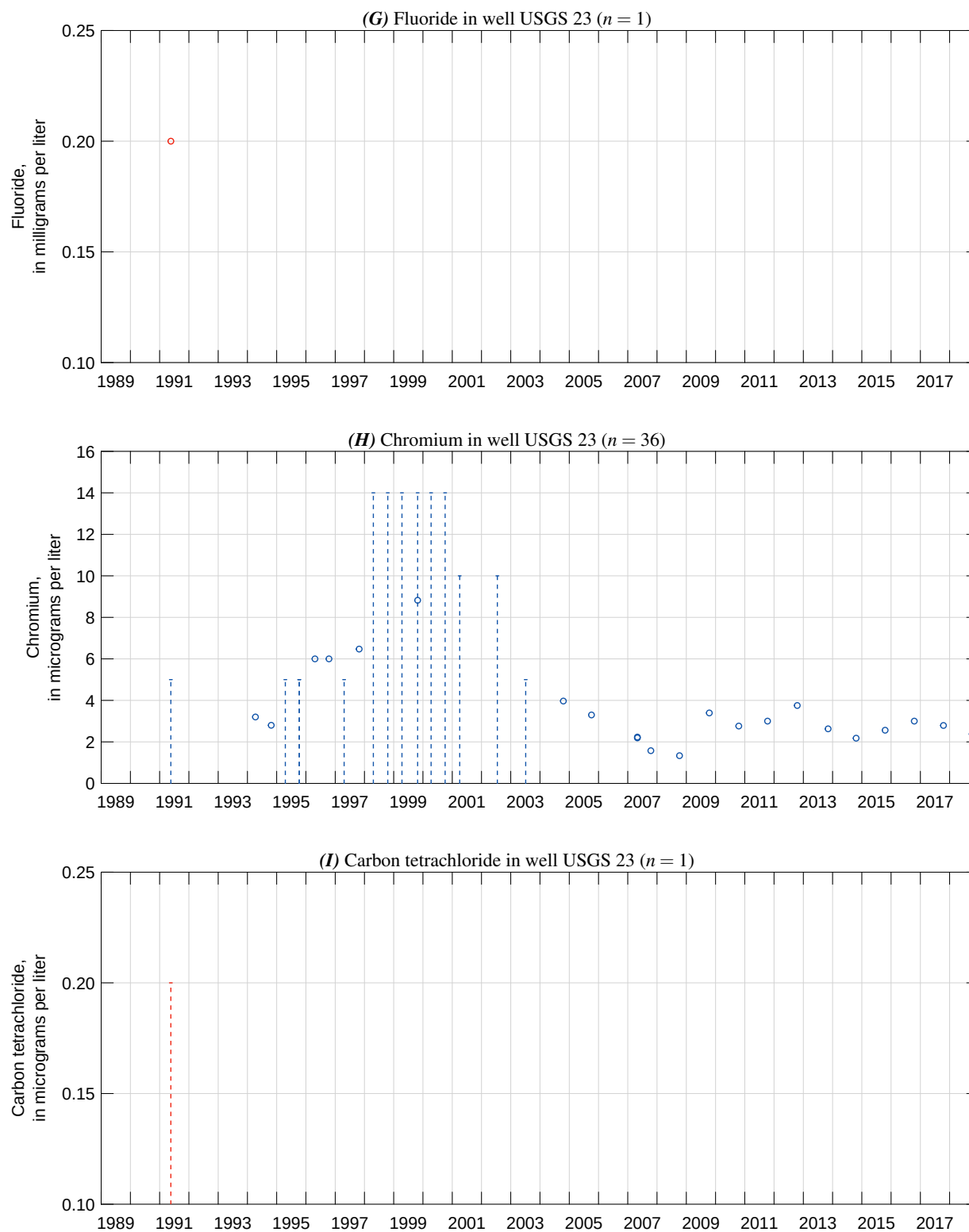


Figure 4.106. —Continued

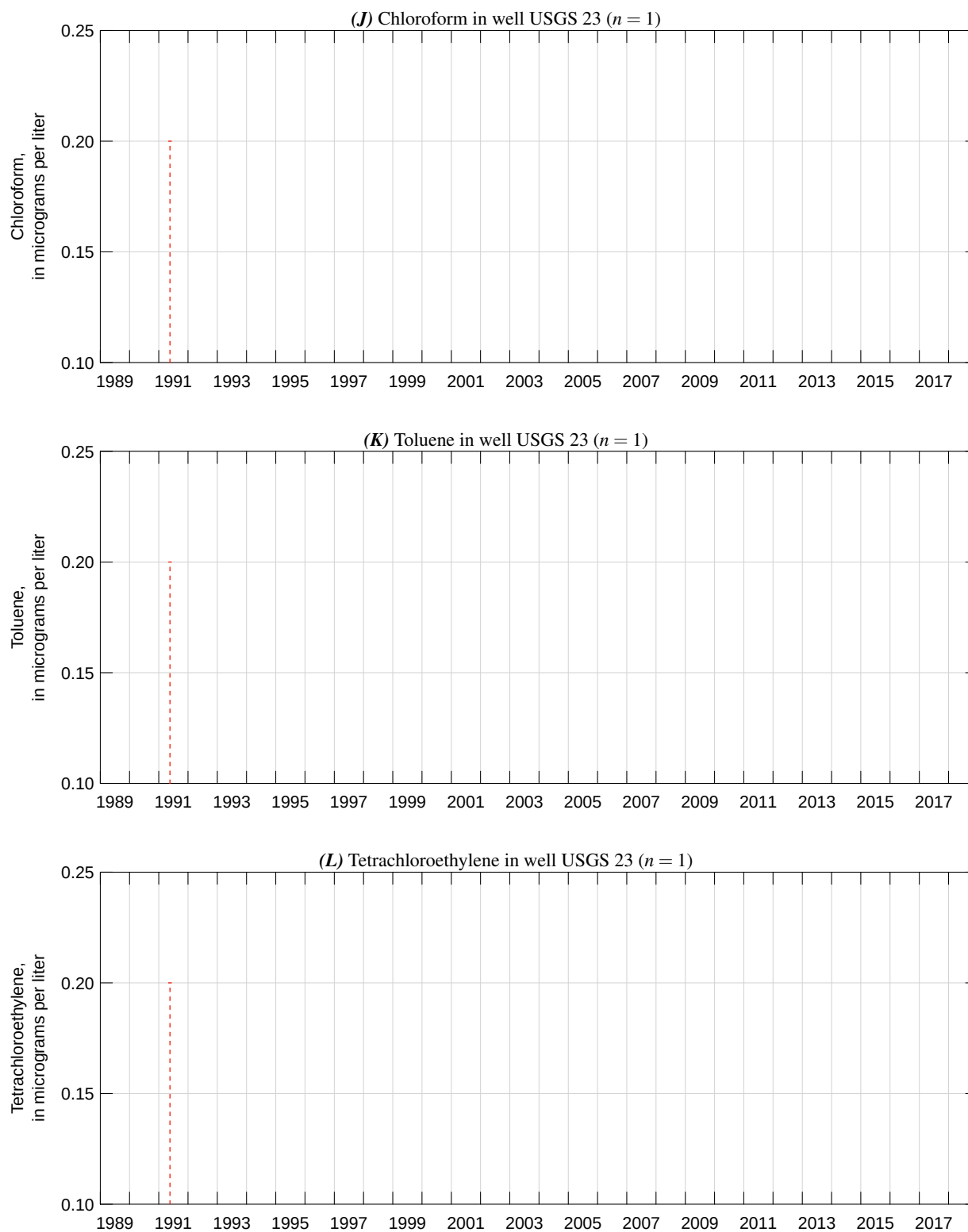


Figure 4.106. —Continued

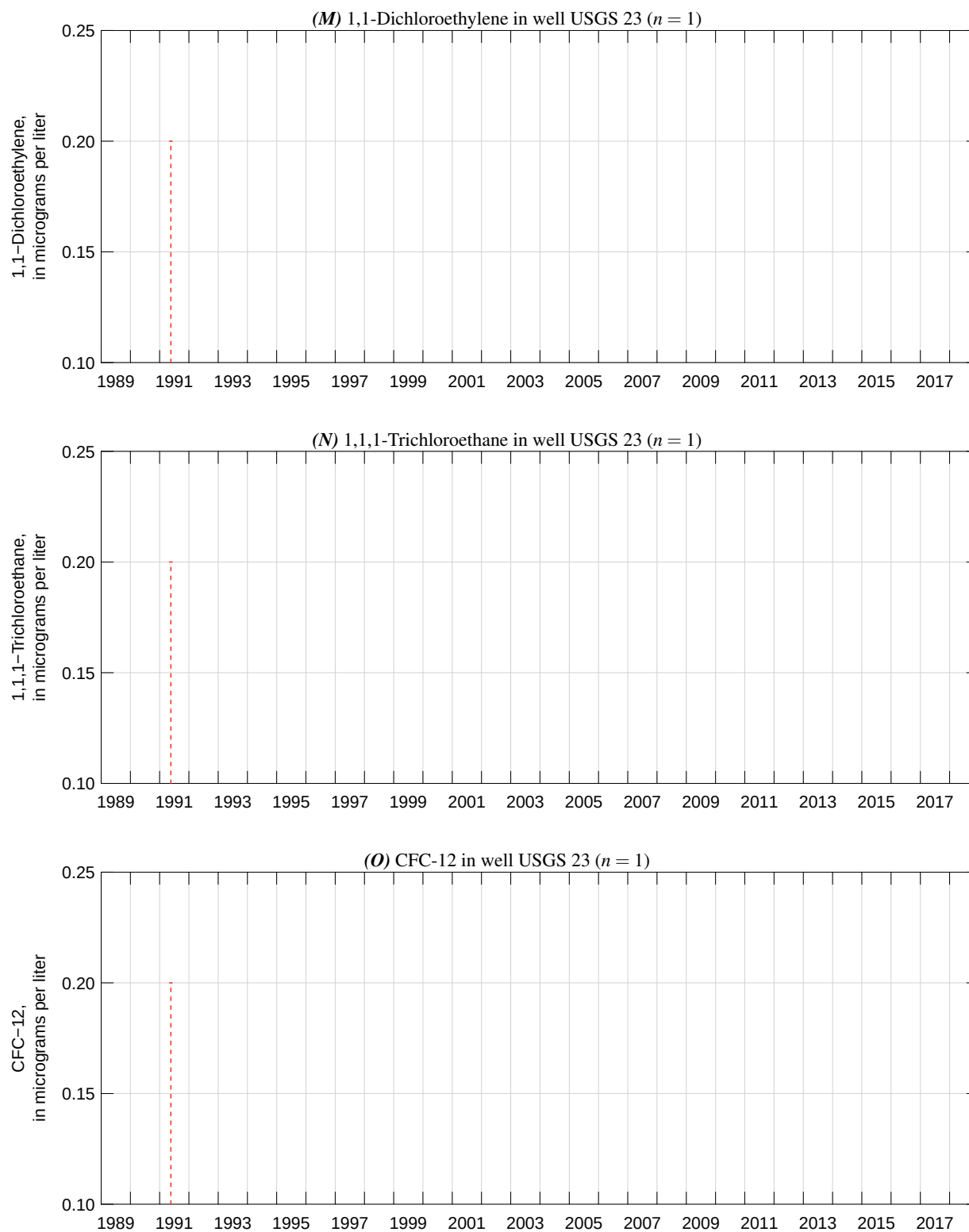


Figure 4.106. —Continued

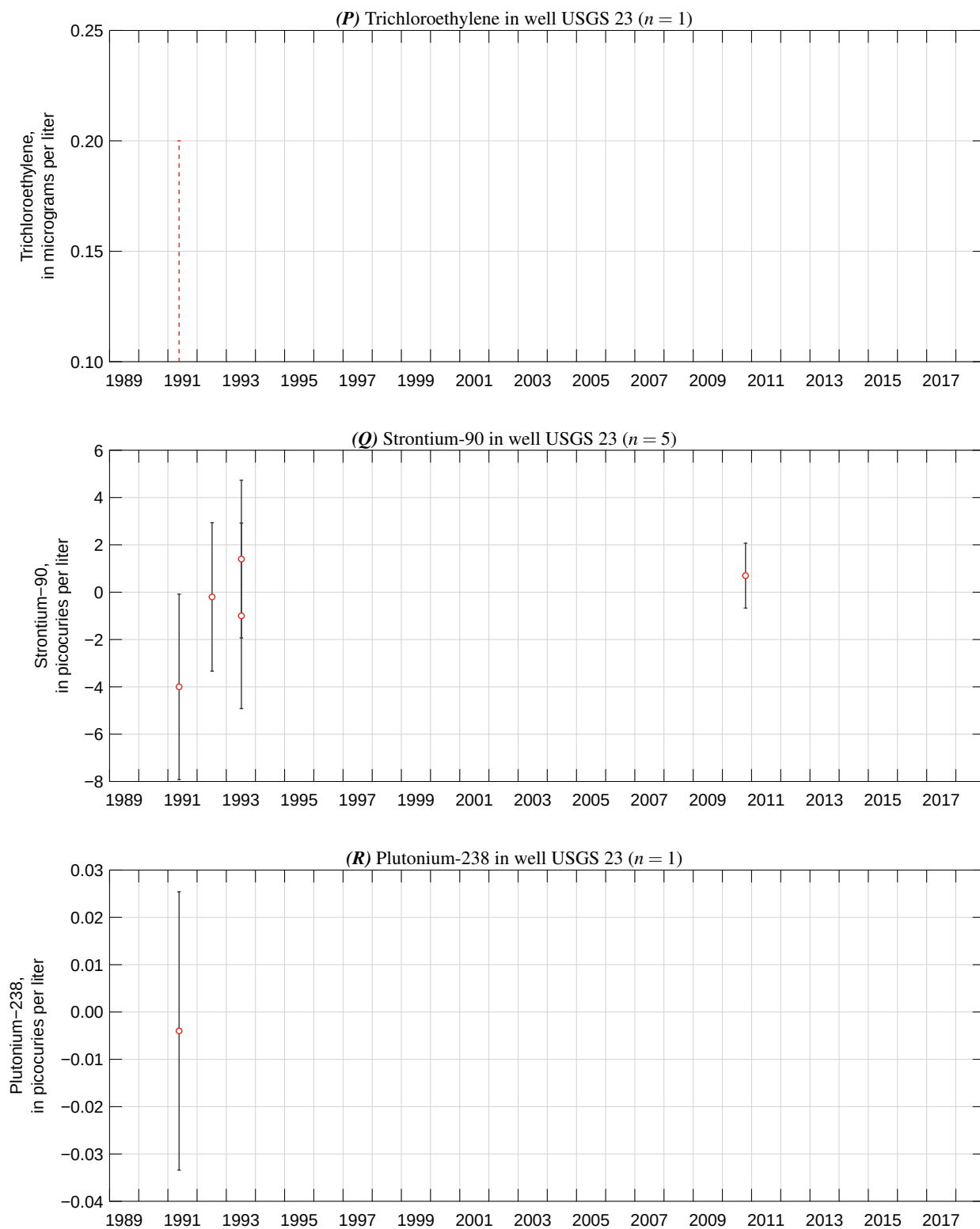


Figure 4.106. —Continued

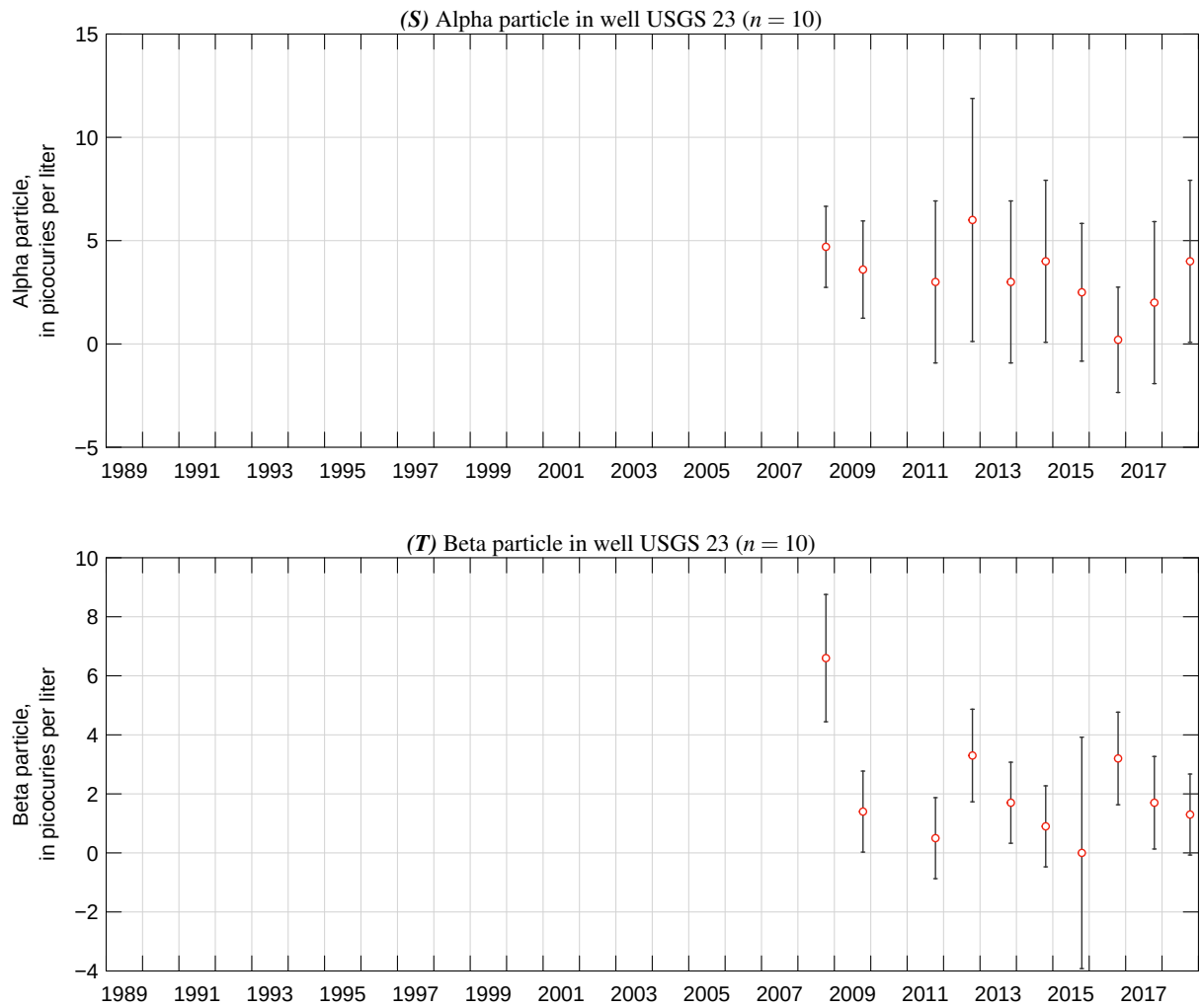


Figure 4.106. —Continued

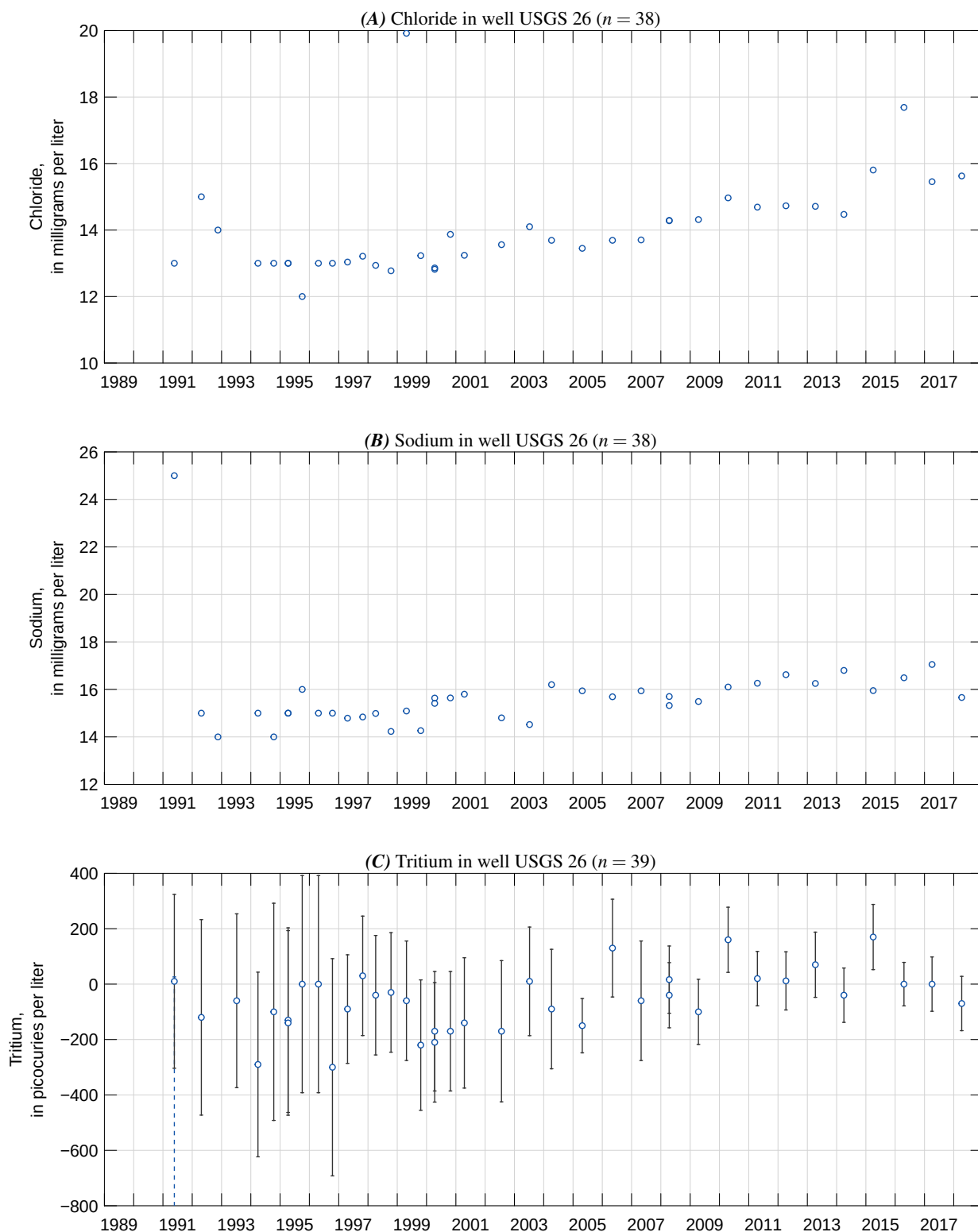


Figure 4.107. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, (R) plutonium-238, (S) alpha particle, and (T) beta particle concentrations in water collected from well USGS 26 (Site No. 435212112394001), Idaho National Laboratory, Idaho, 1989–2018.

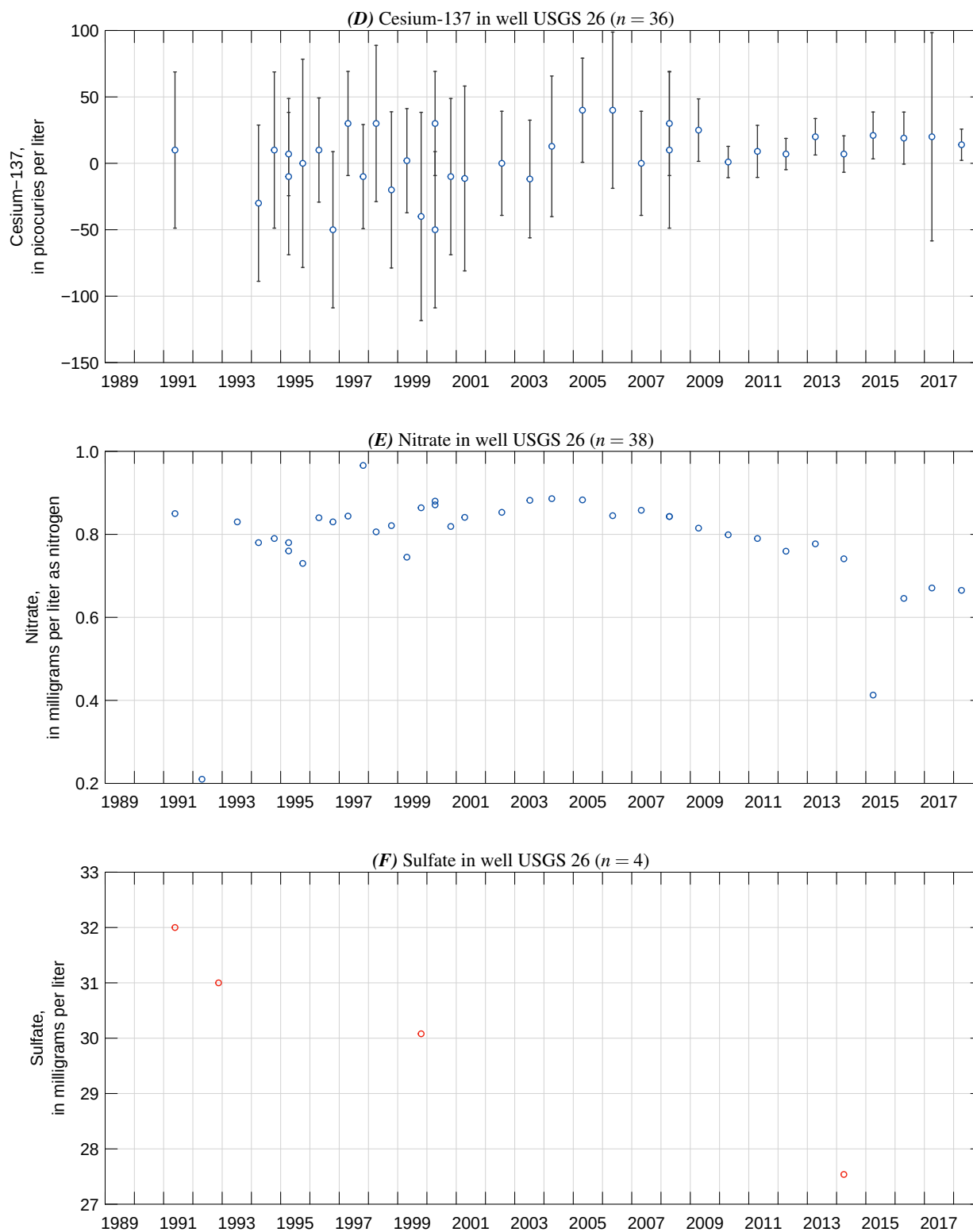


Figure 4.107. —Continued

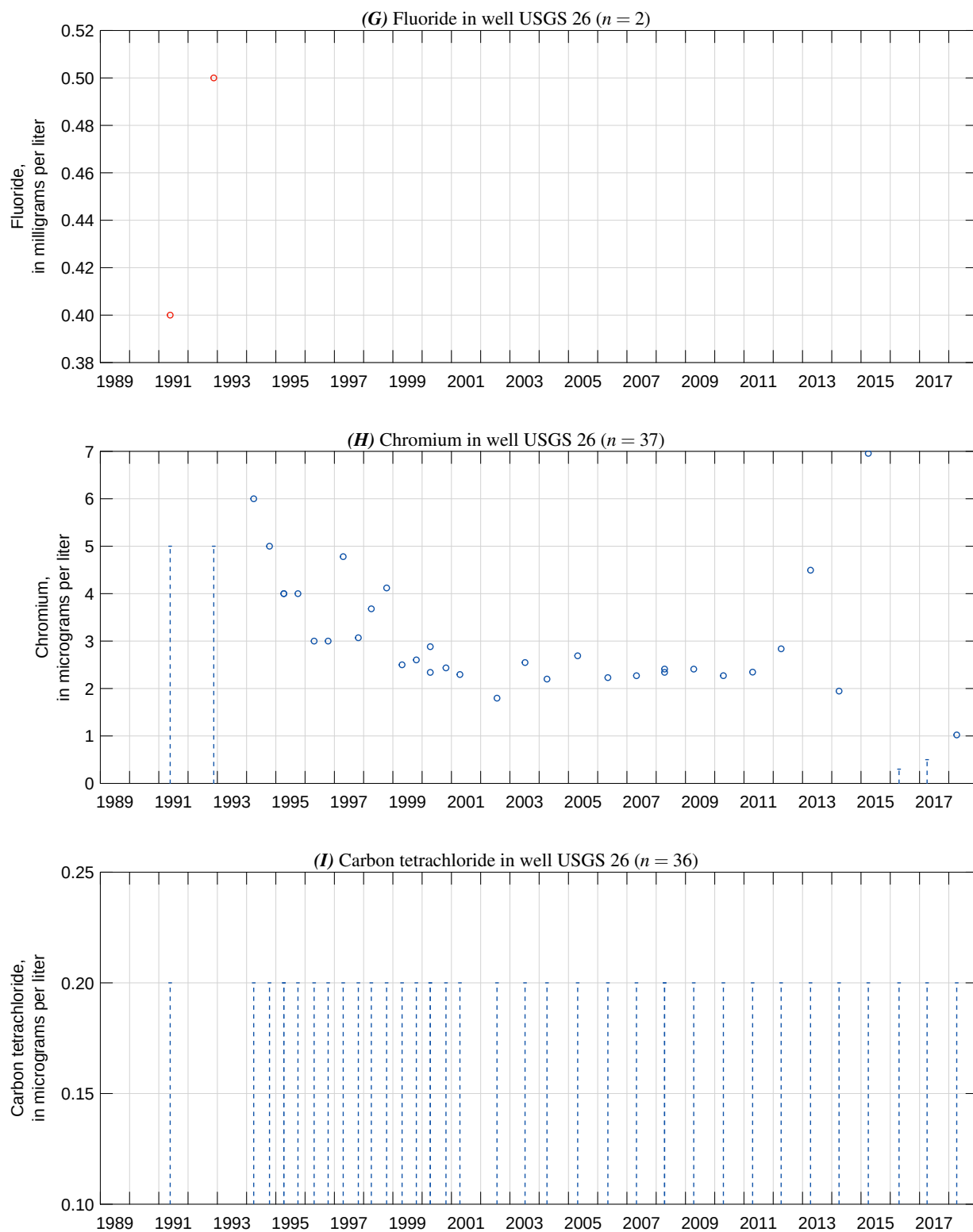
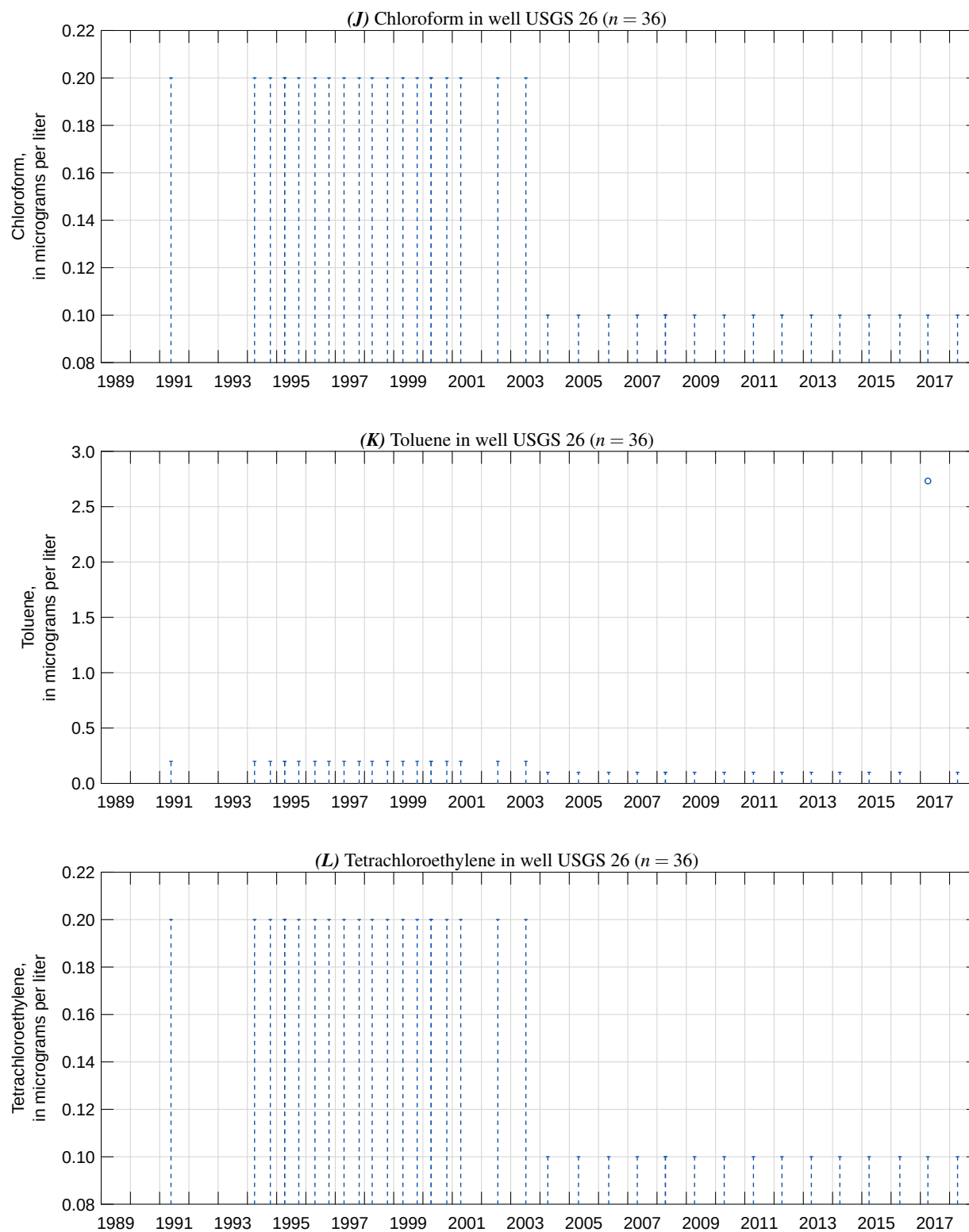


Figure 4.107. —Continued



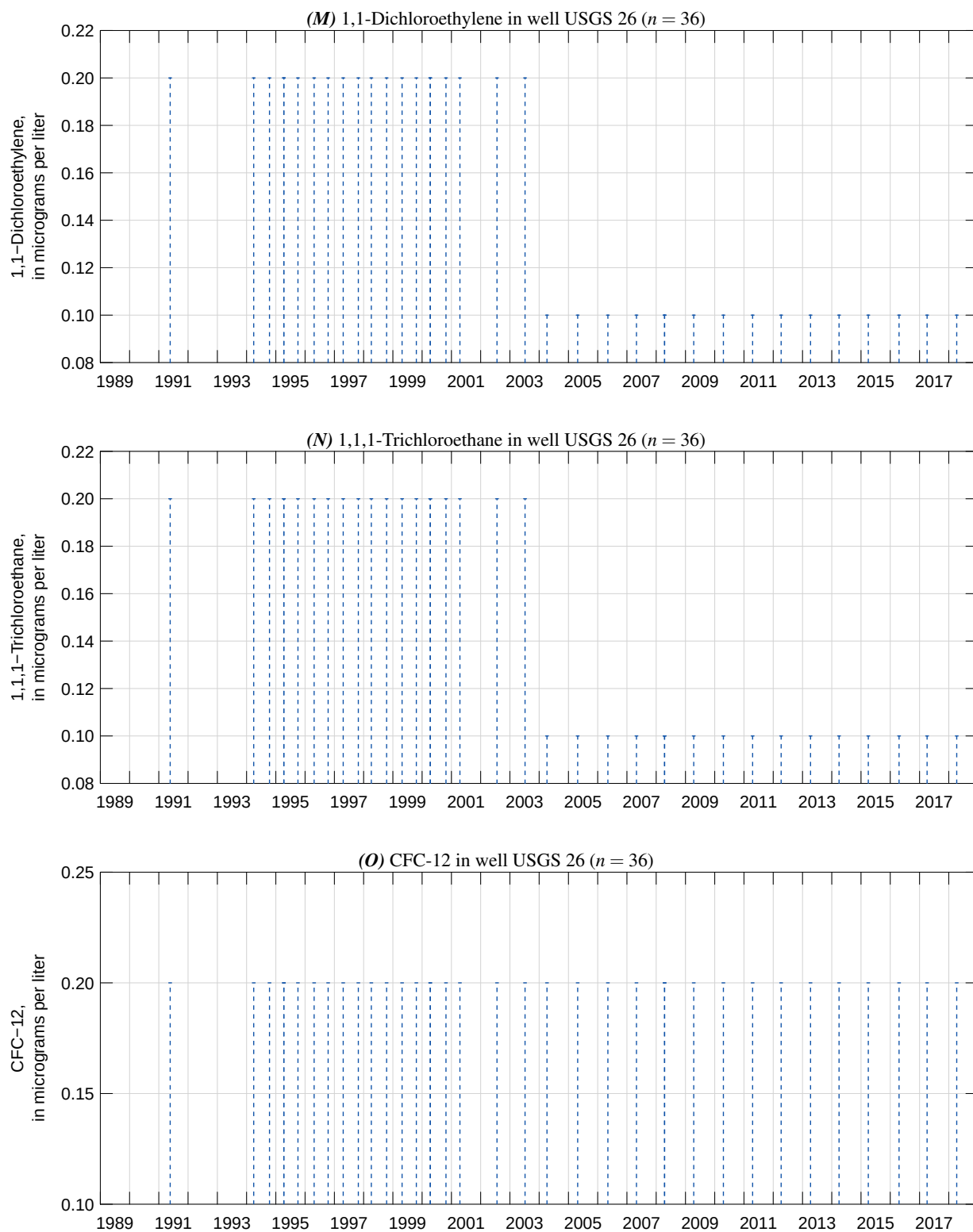


Figure 4.107. —Continued

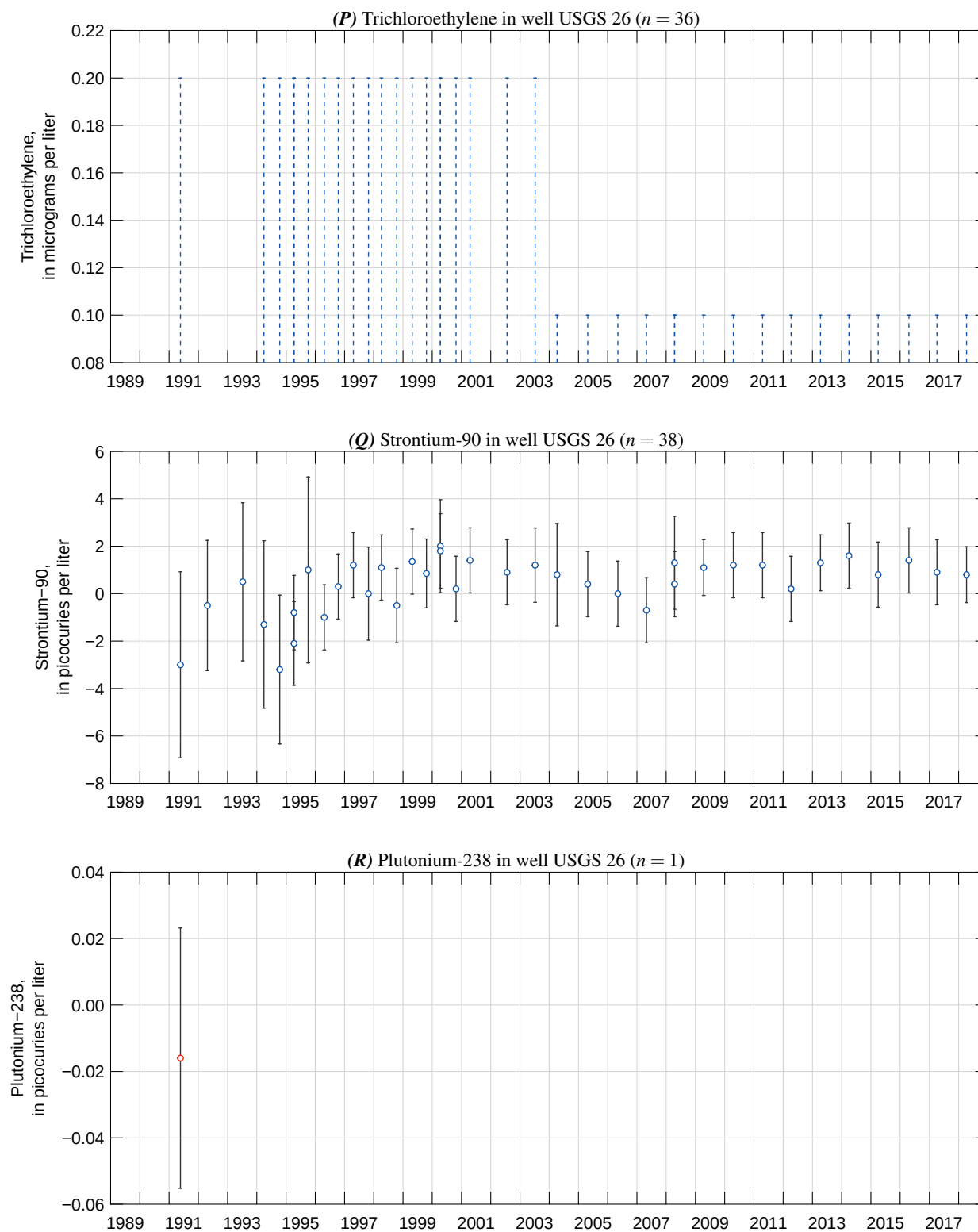


Figure 4.107. —Continued

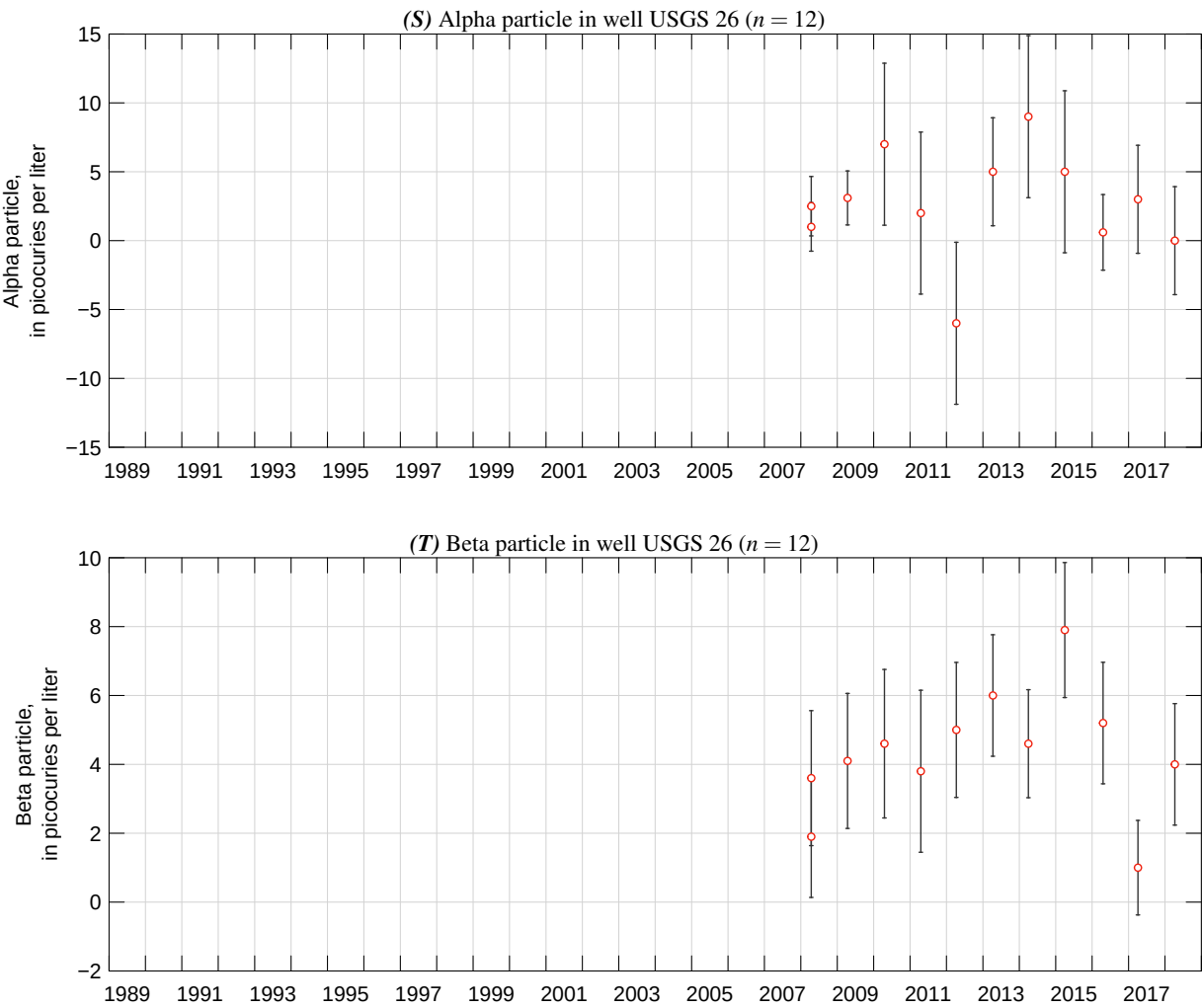


Figure 4.107. —Continued

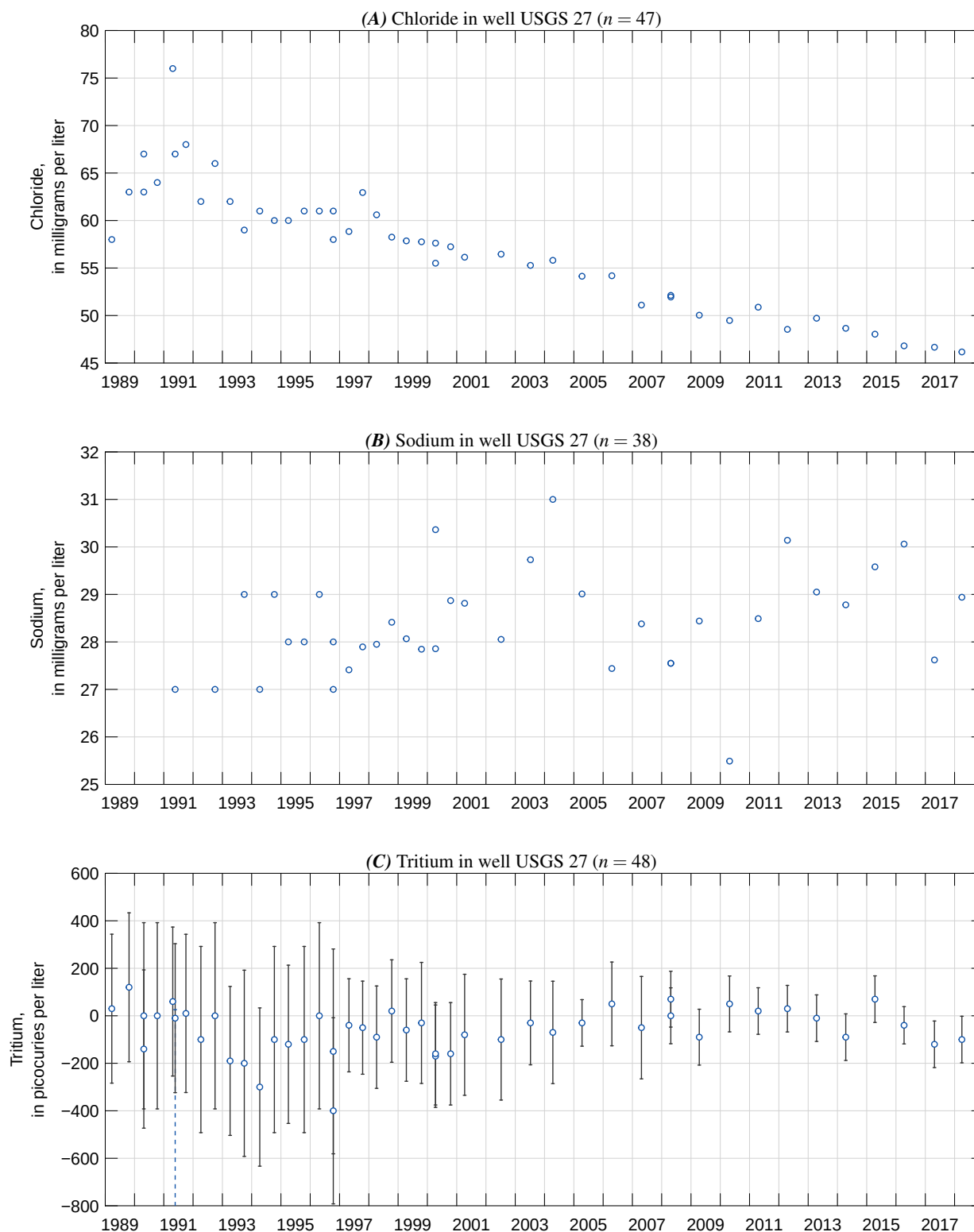


Figure 4.108. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, (R) plutonium-238, (S) alpha particle, and (T) beta particle concentrations in water collected from well USGS 27 (Site No. 434851112321801), Idaho National Laboratory, Idaho, 1989–2018.

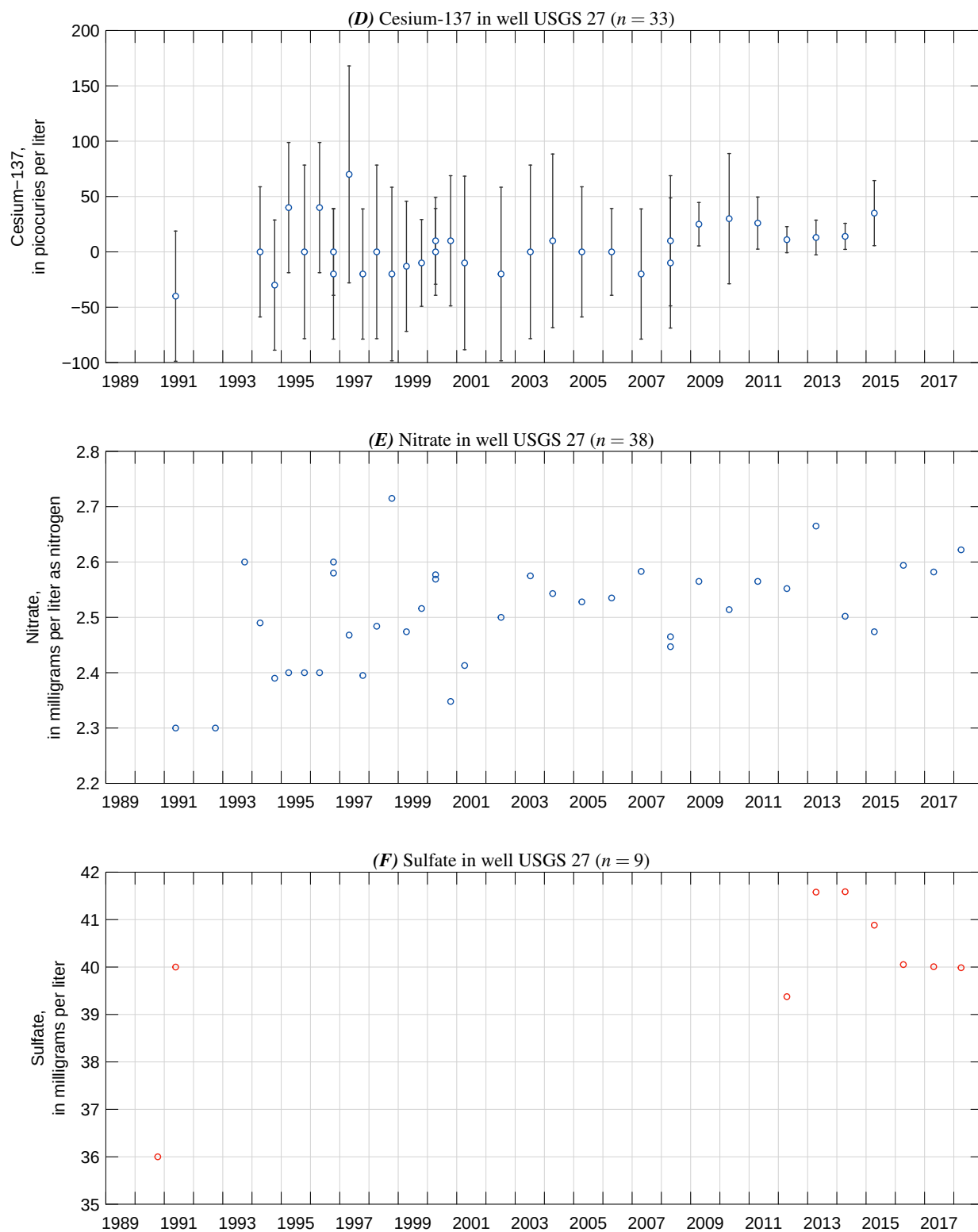


Figure 4.108. —Continued

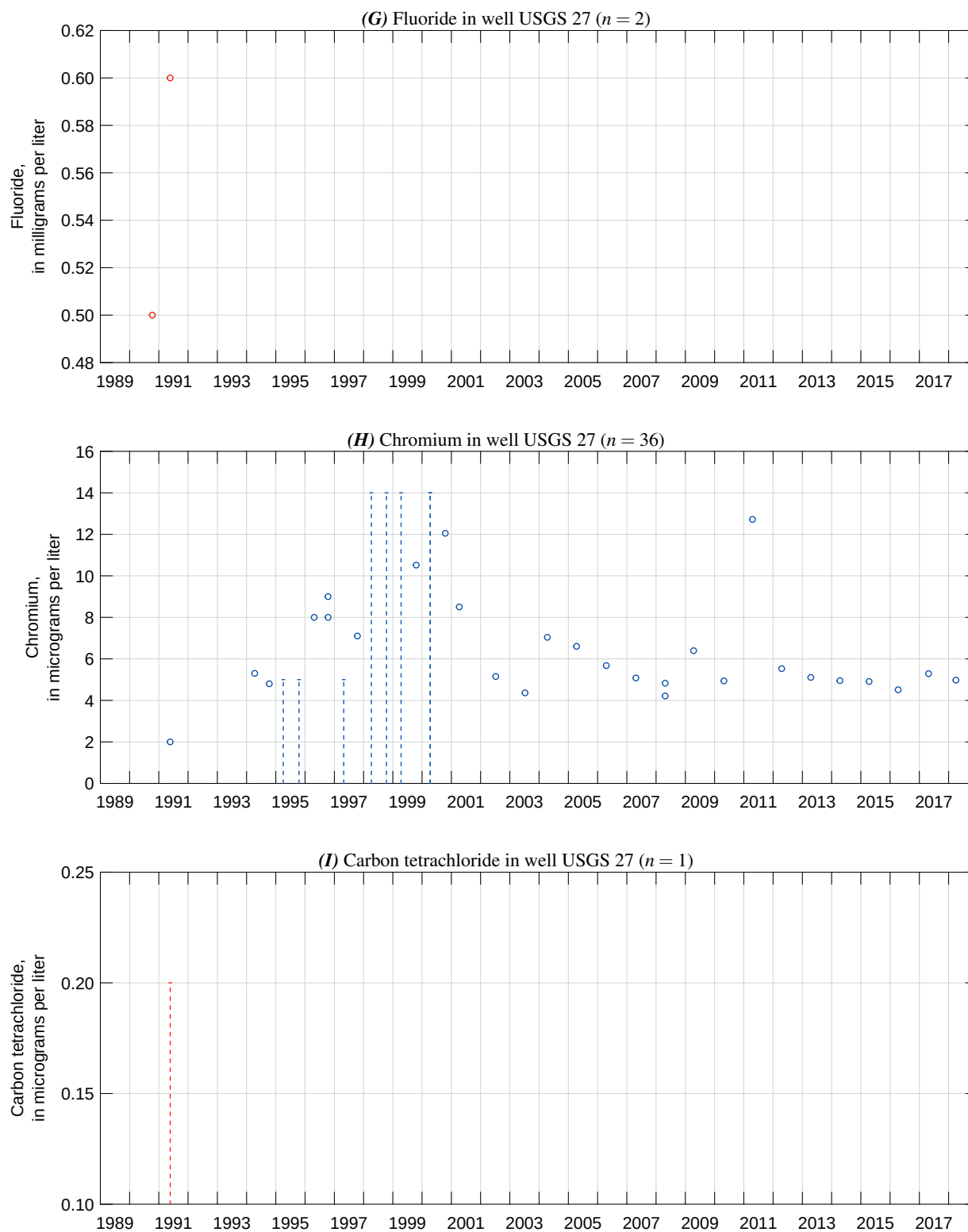


Figure 4.108. —Continued

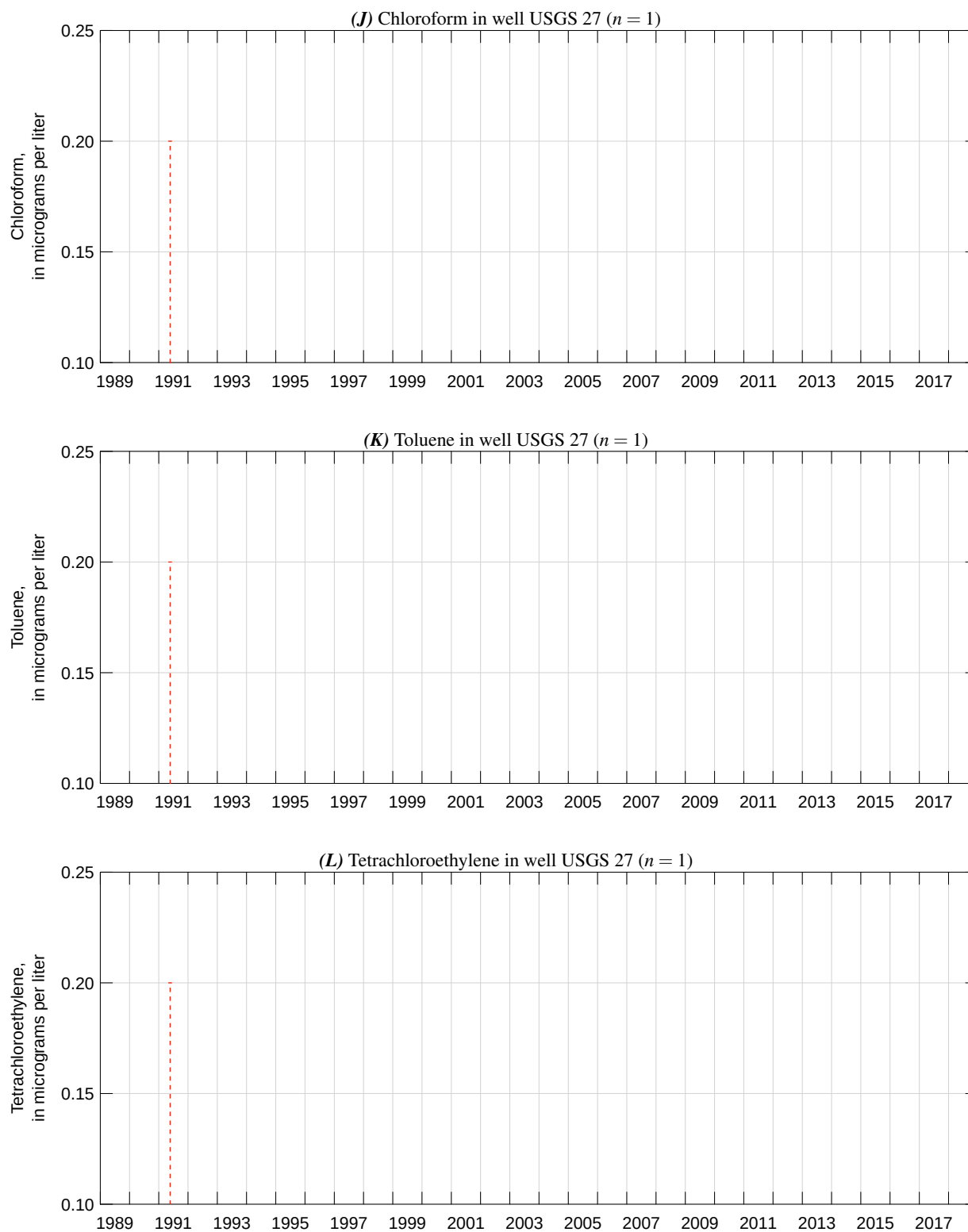


Figure 4.108. —Continued

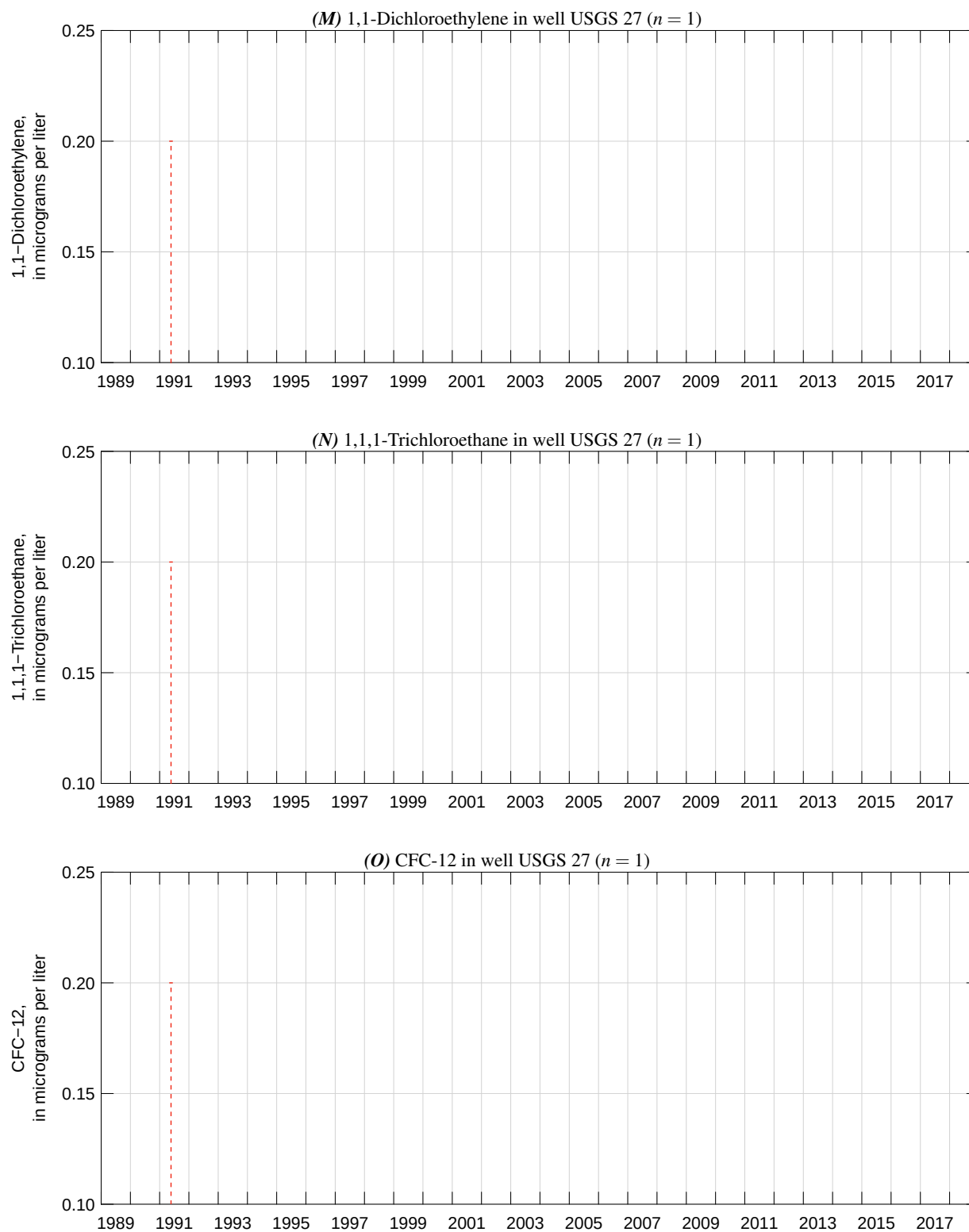


Figure 4.108. —Continued

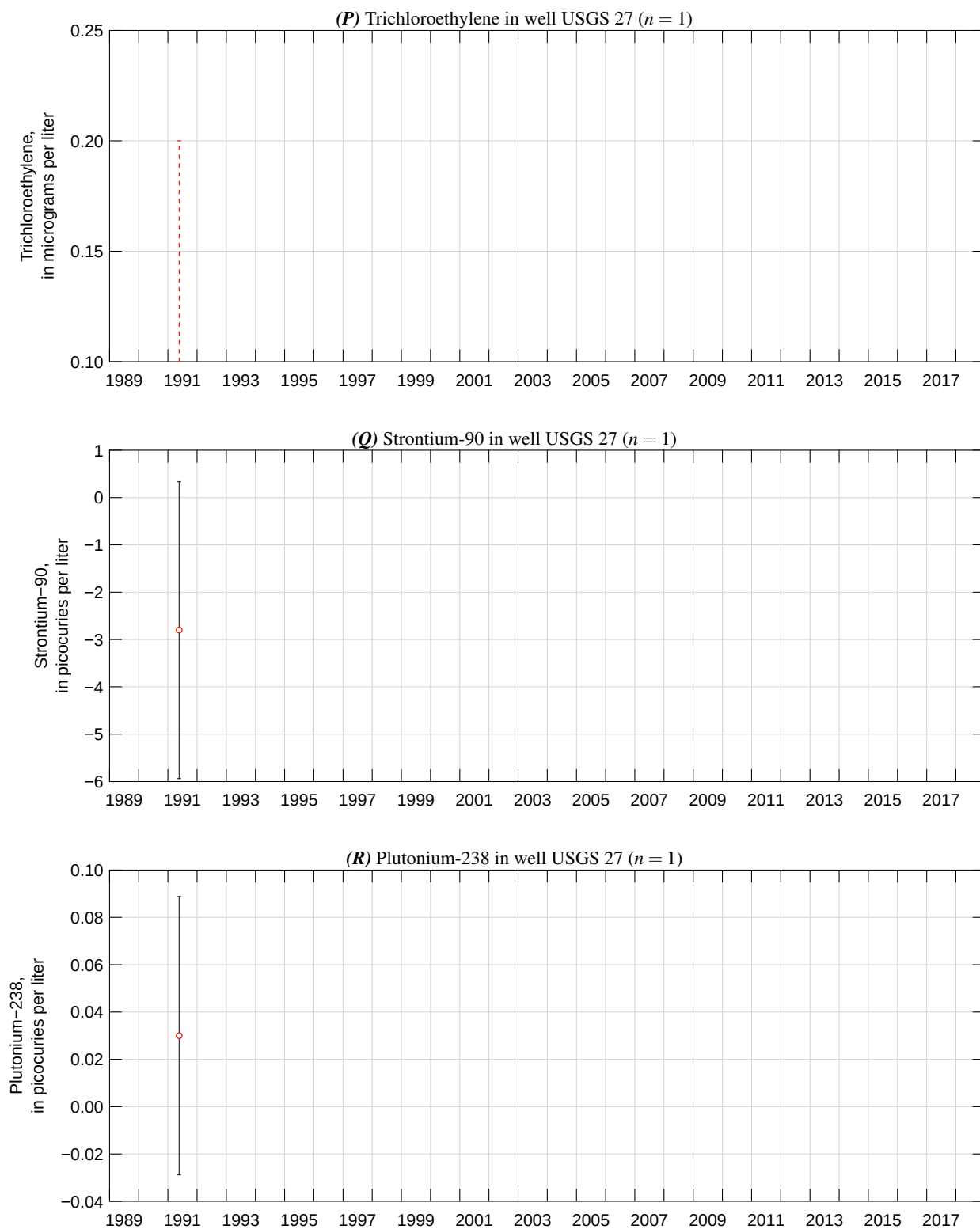


Figure 4.108. —Continued

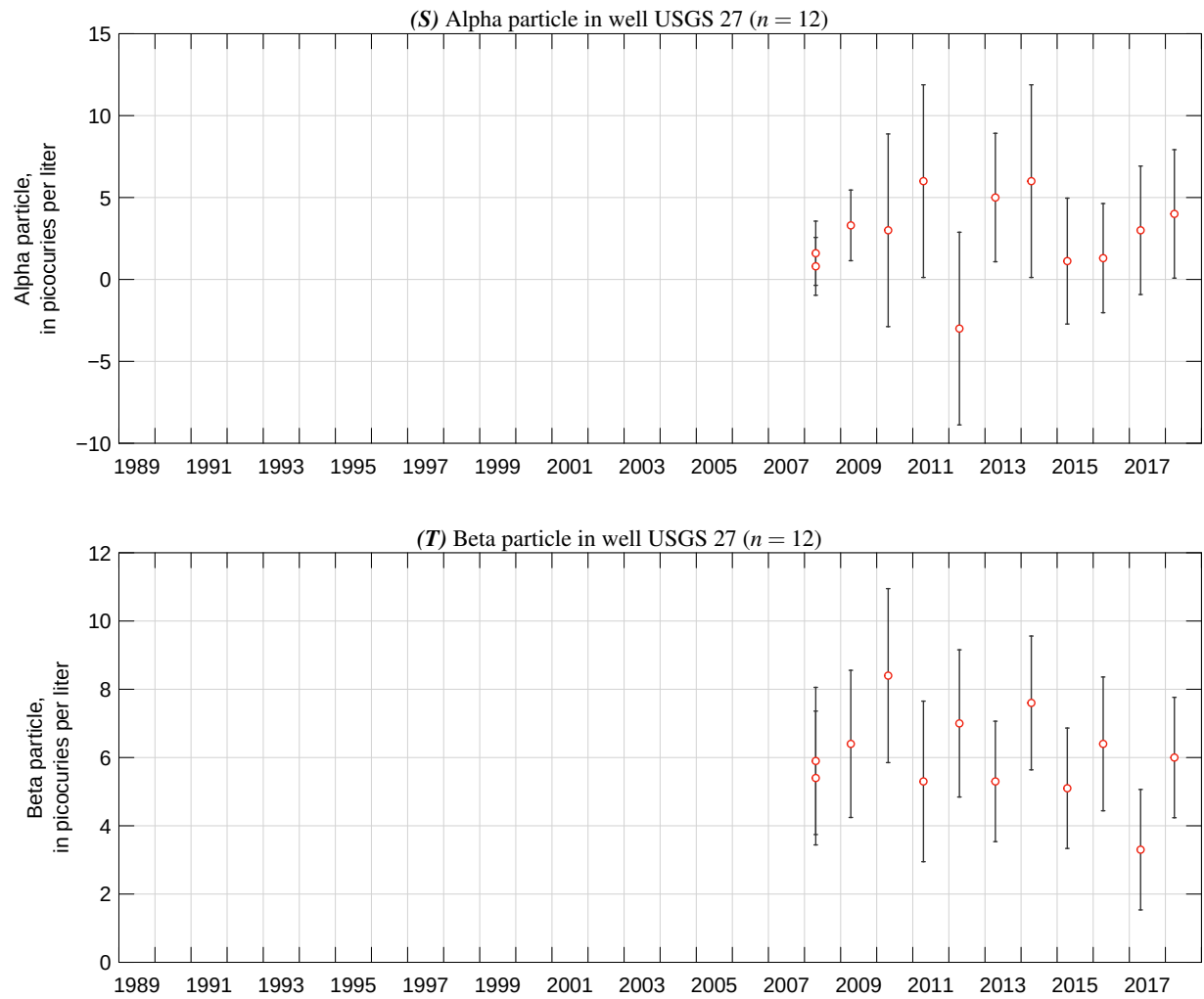


Figure 4.108. —Continued

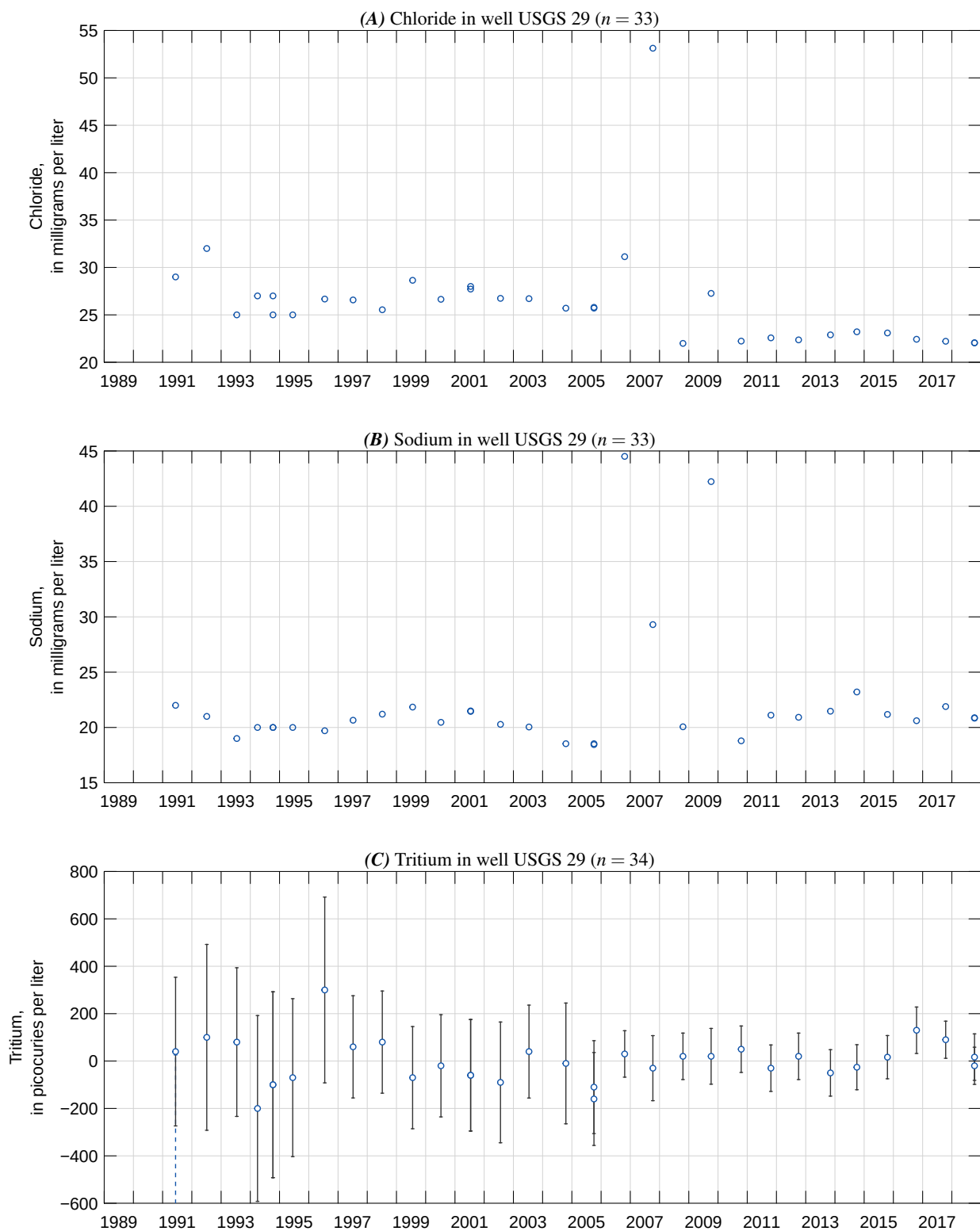


Figure 4.109. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, and (R) plutonium-238 concentrations in water collected from well USGS 29 (Site No. 434407112285101), Idaho National Laboratory, Idaho, 1989–2018.

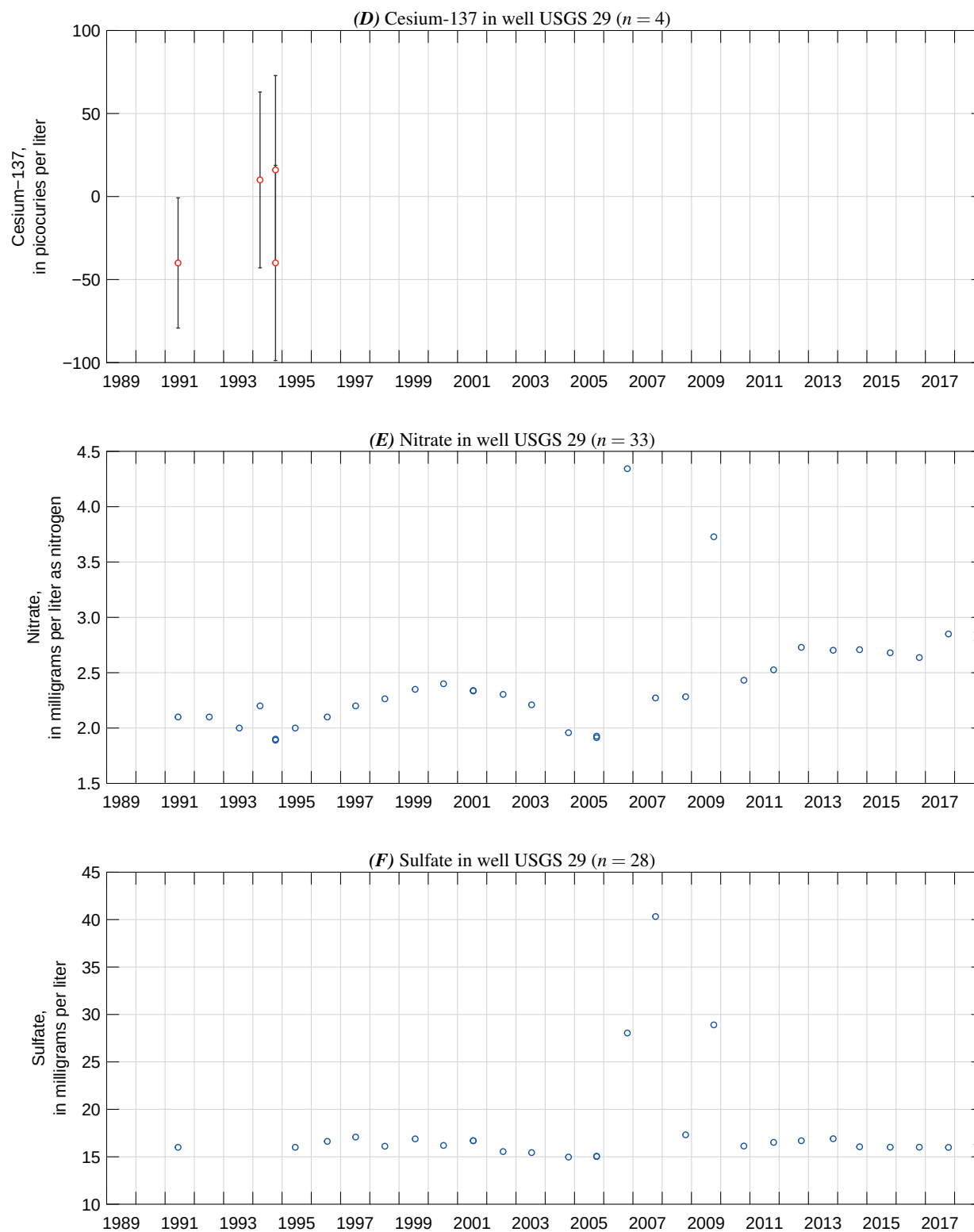


Figure 4.109. —Continued

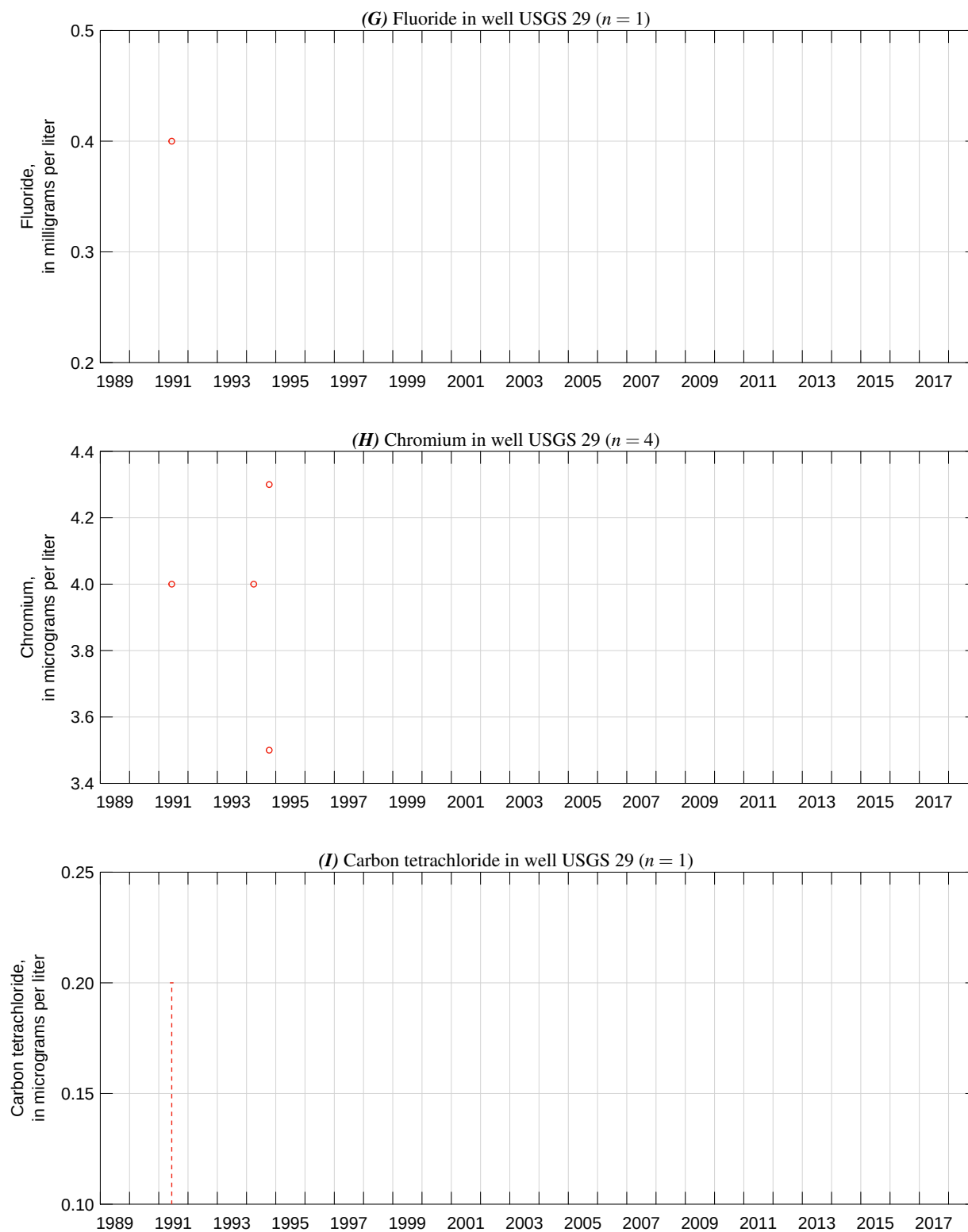


Figure 4.109. —Continued

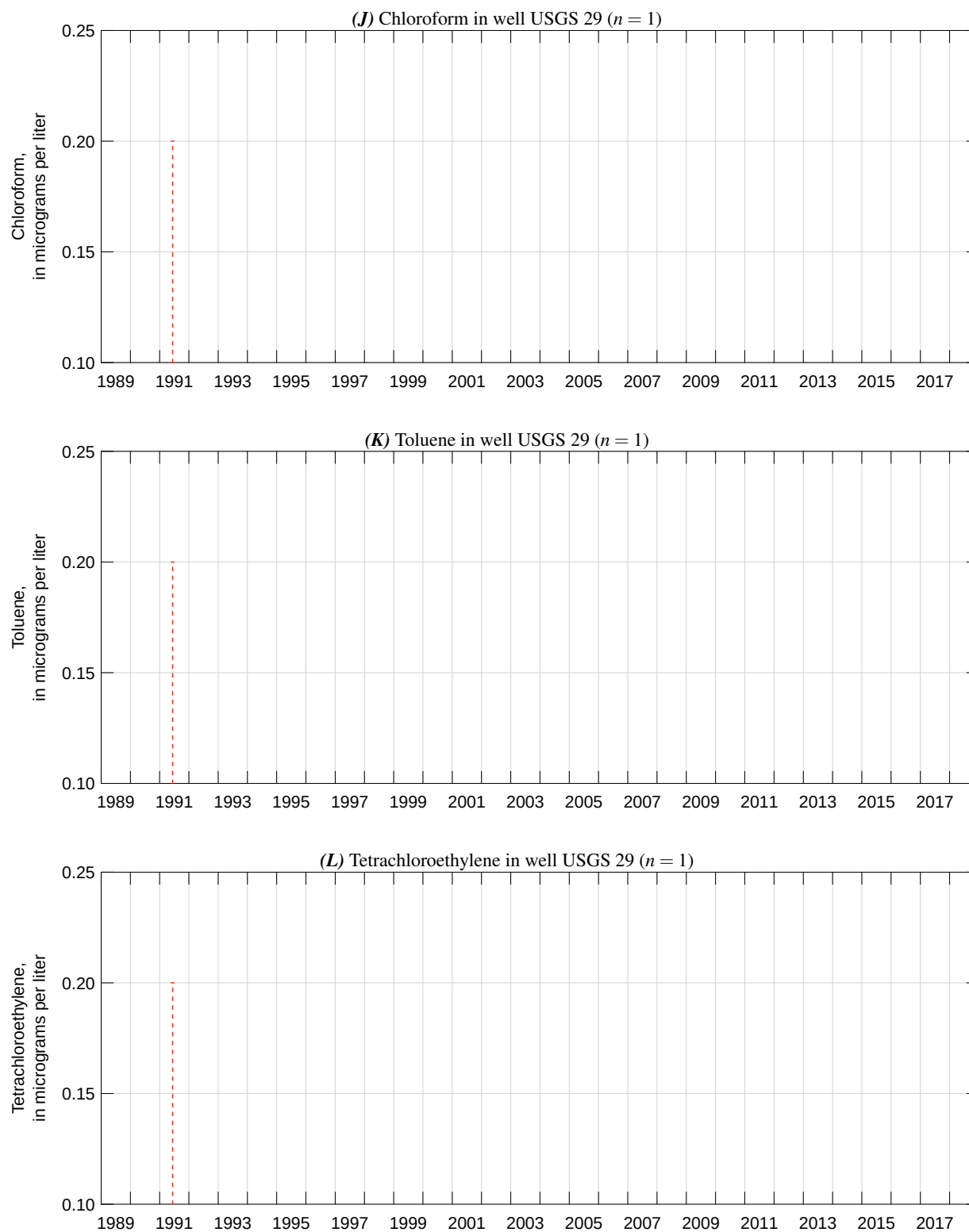


Figure 4.109. —Continued

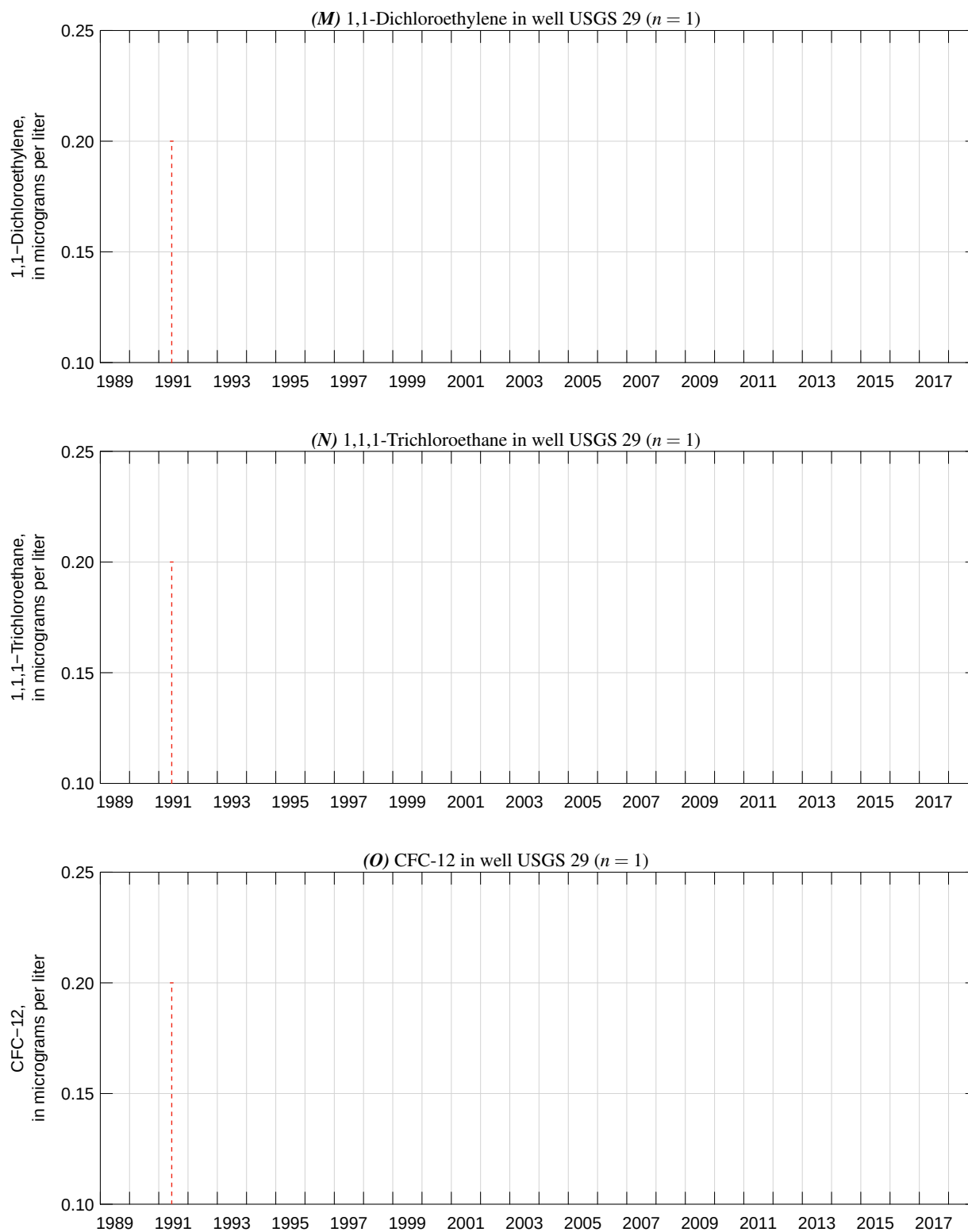


Figure 4.109. —Continued

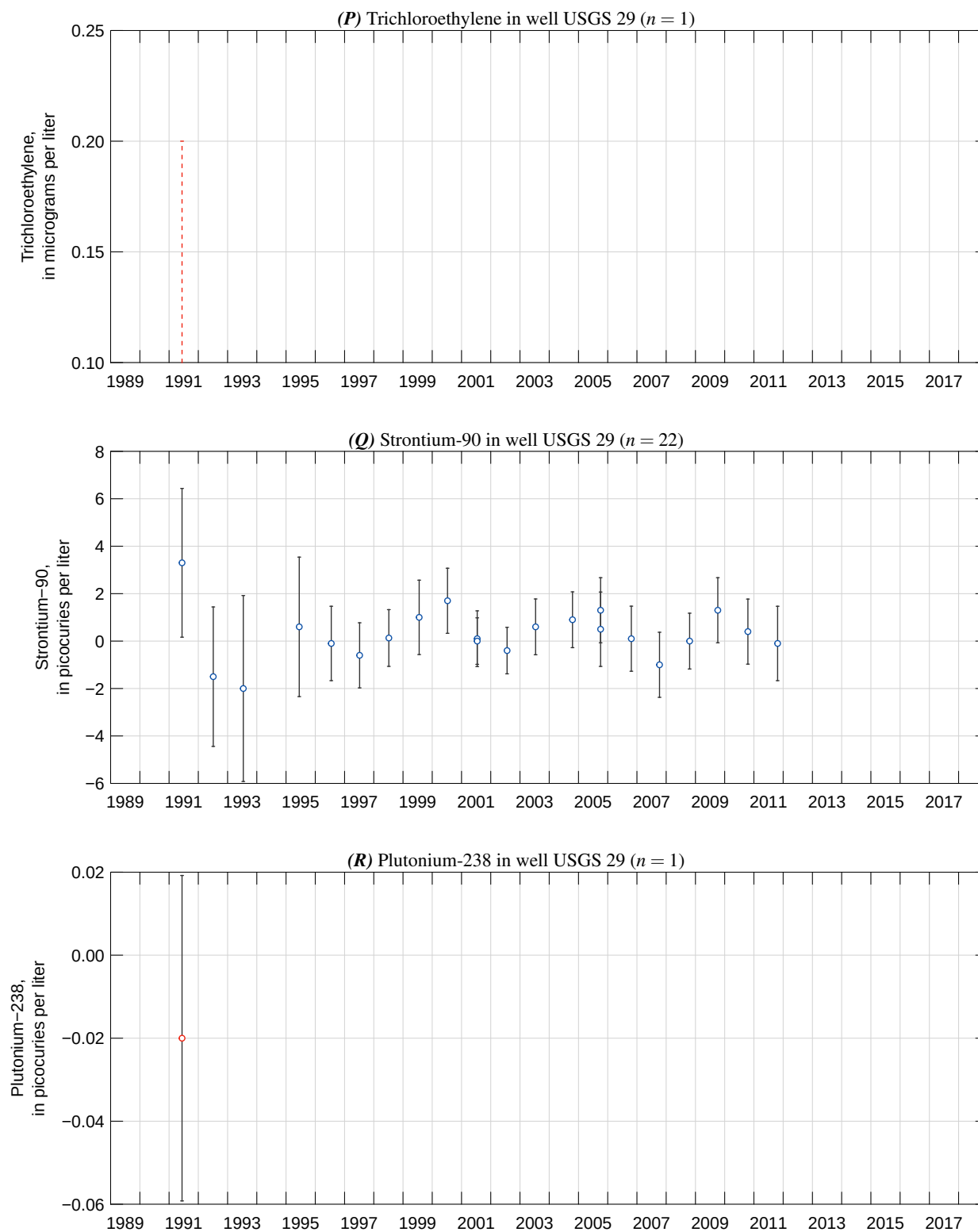


Figure 4.109. —Continued

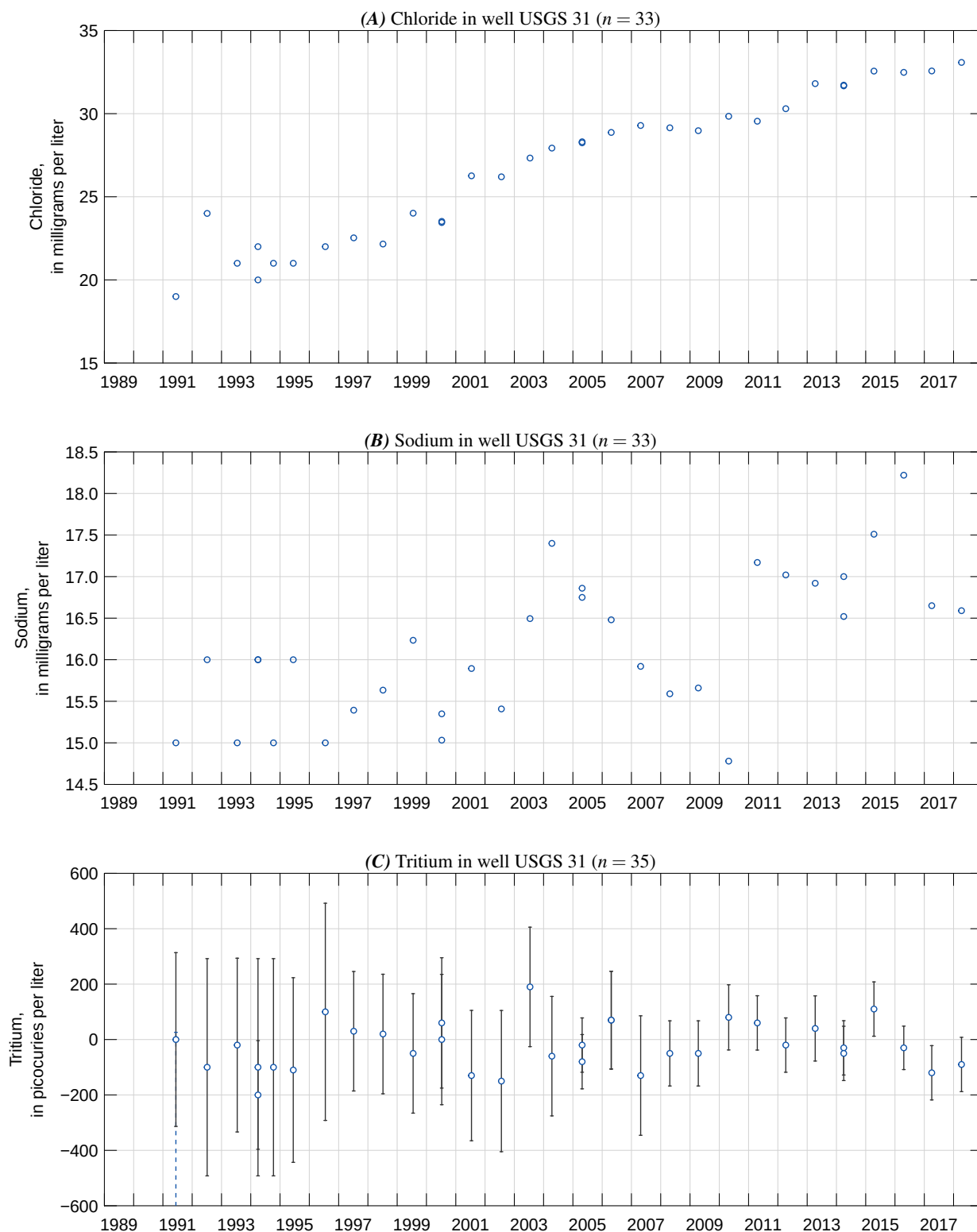


Figure 4.110. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, and (R) plutonium-238 concentrations in water collected from well USGS 31 (Site No. 434625112342101), Idaho National Laboratory, Idaho, 1989–2018.

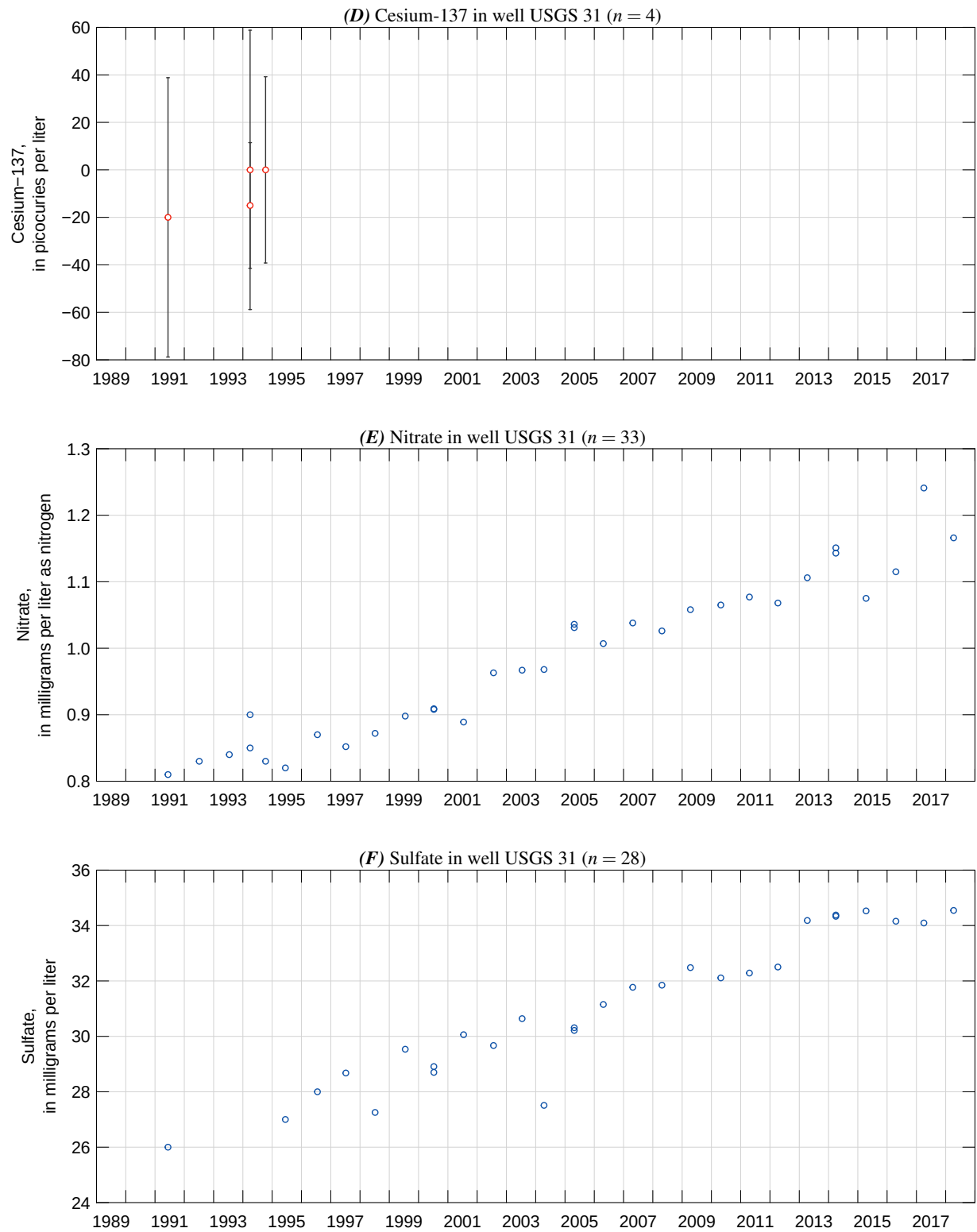


Figure 4.110. —Continued

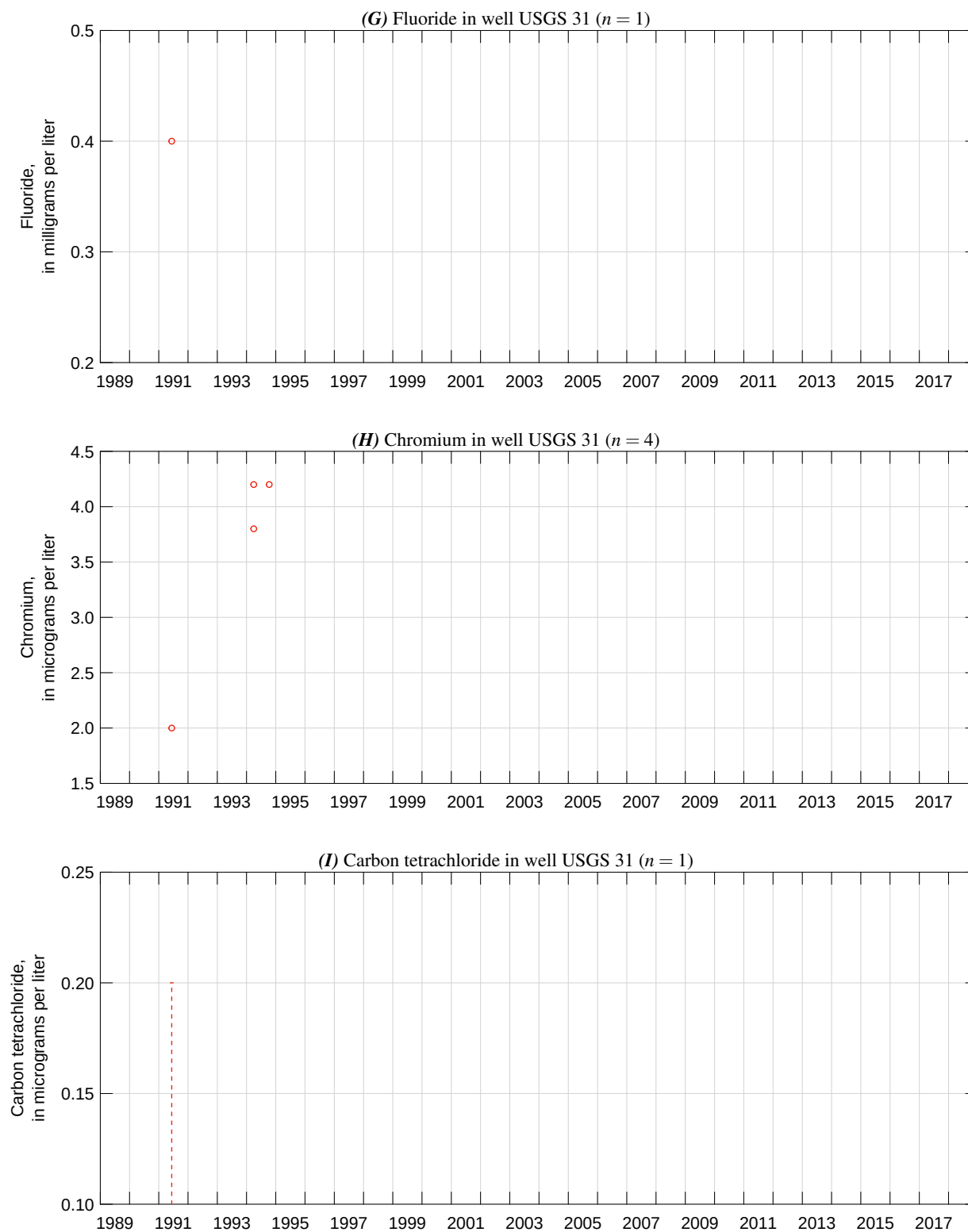


Figure 4.110. —Continued

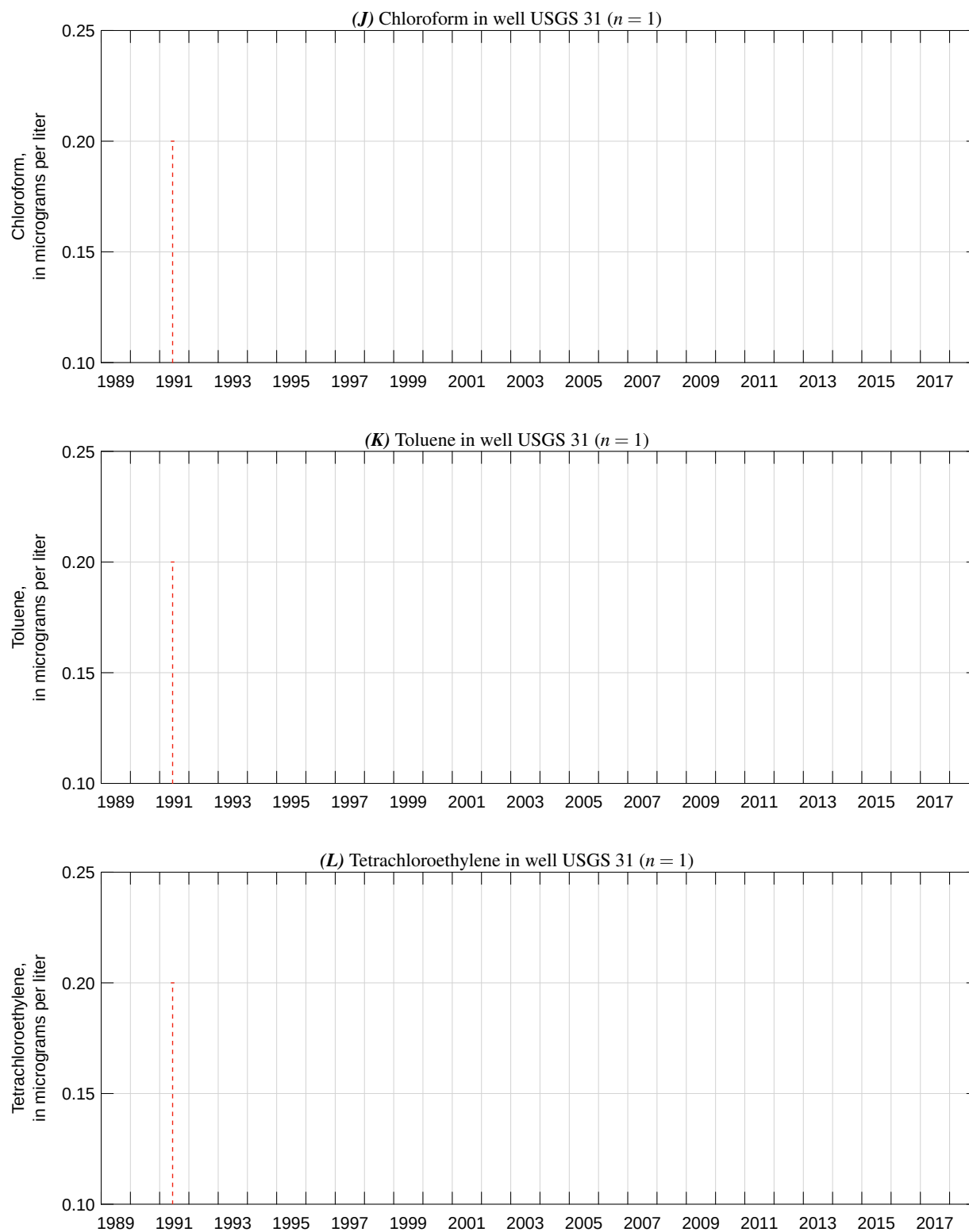


Figure 4.110. —Continued

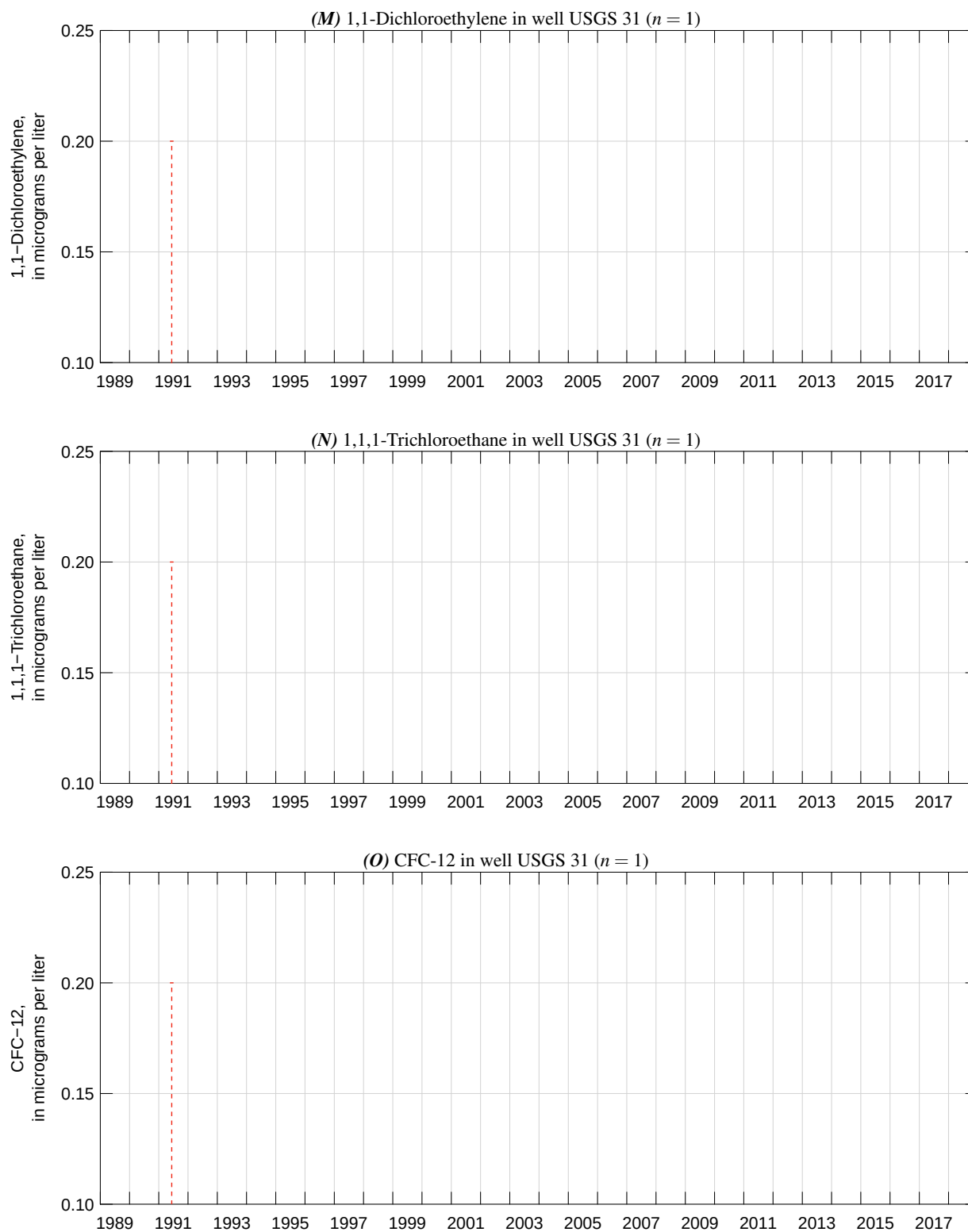


Figure 4.110. —Continued

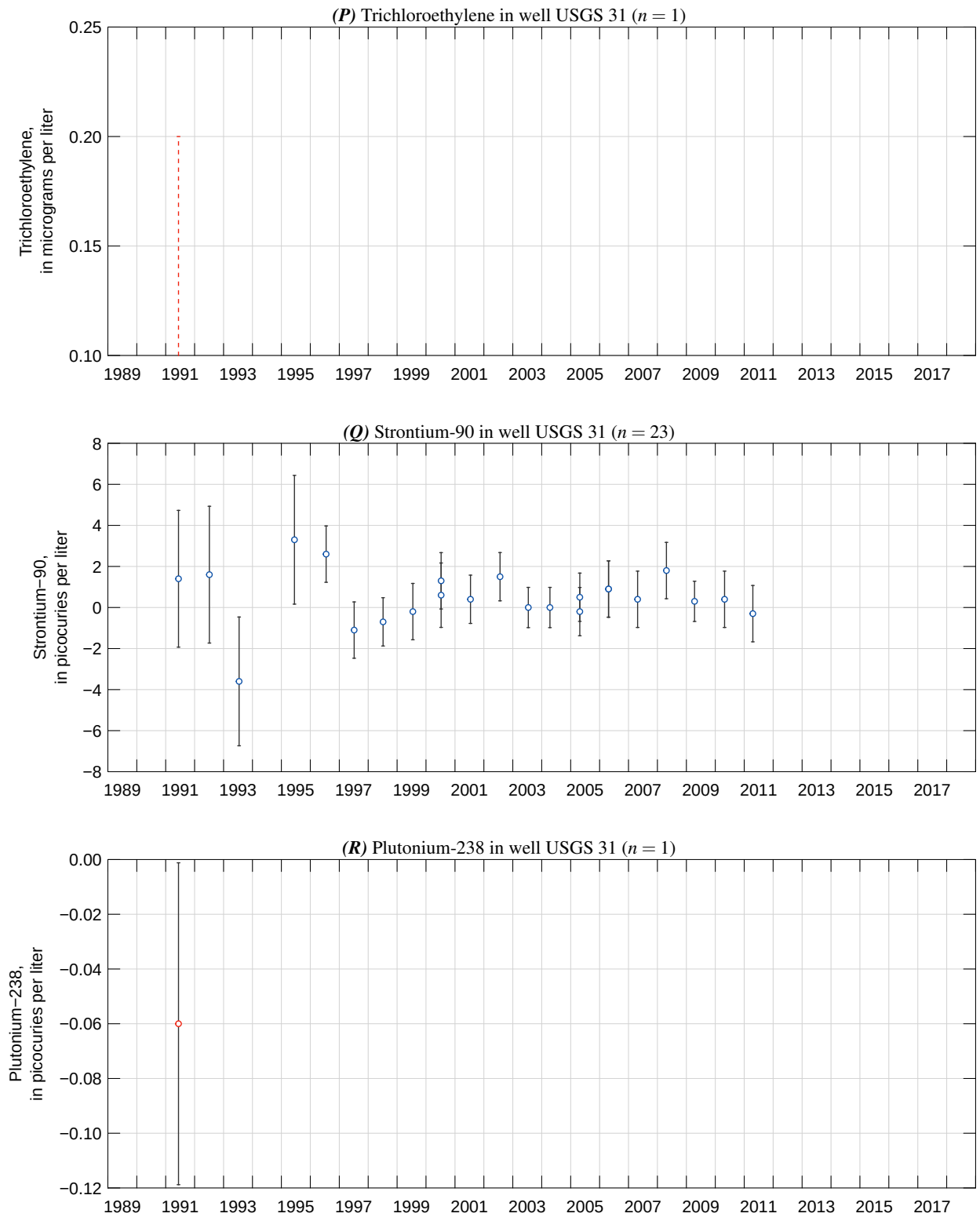


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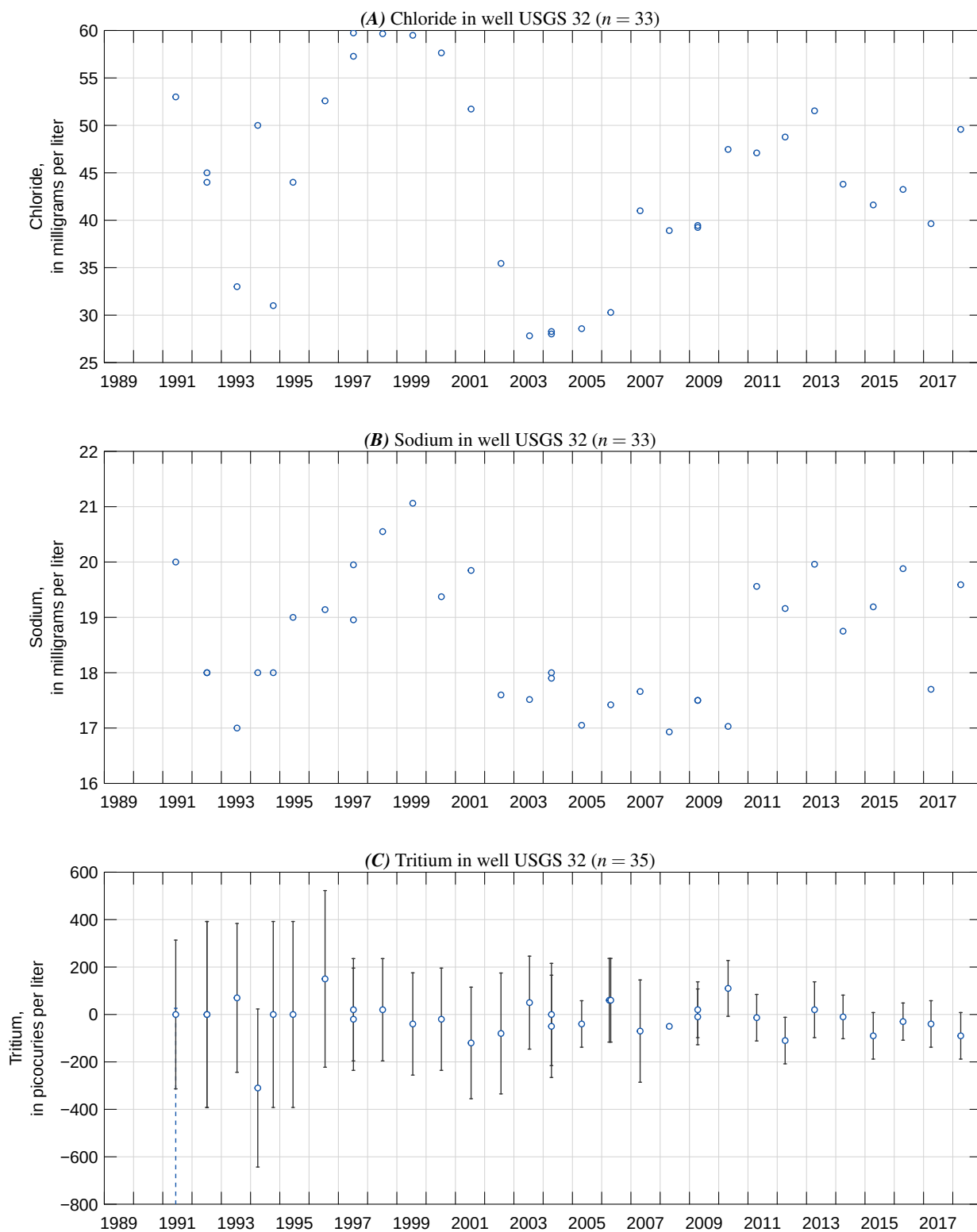


Figure 4.111. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, and (R) plutonium-238 concentrations in water collected from well USGS 32 (Site No. 434444112322101), Idaho National Laboratory, Idaho, 1989–2018.

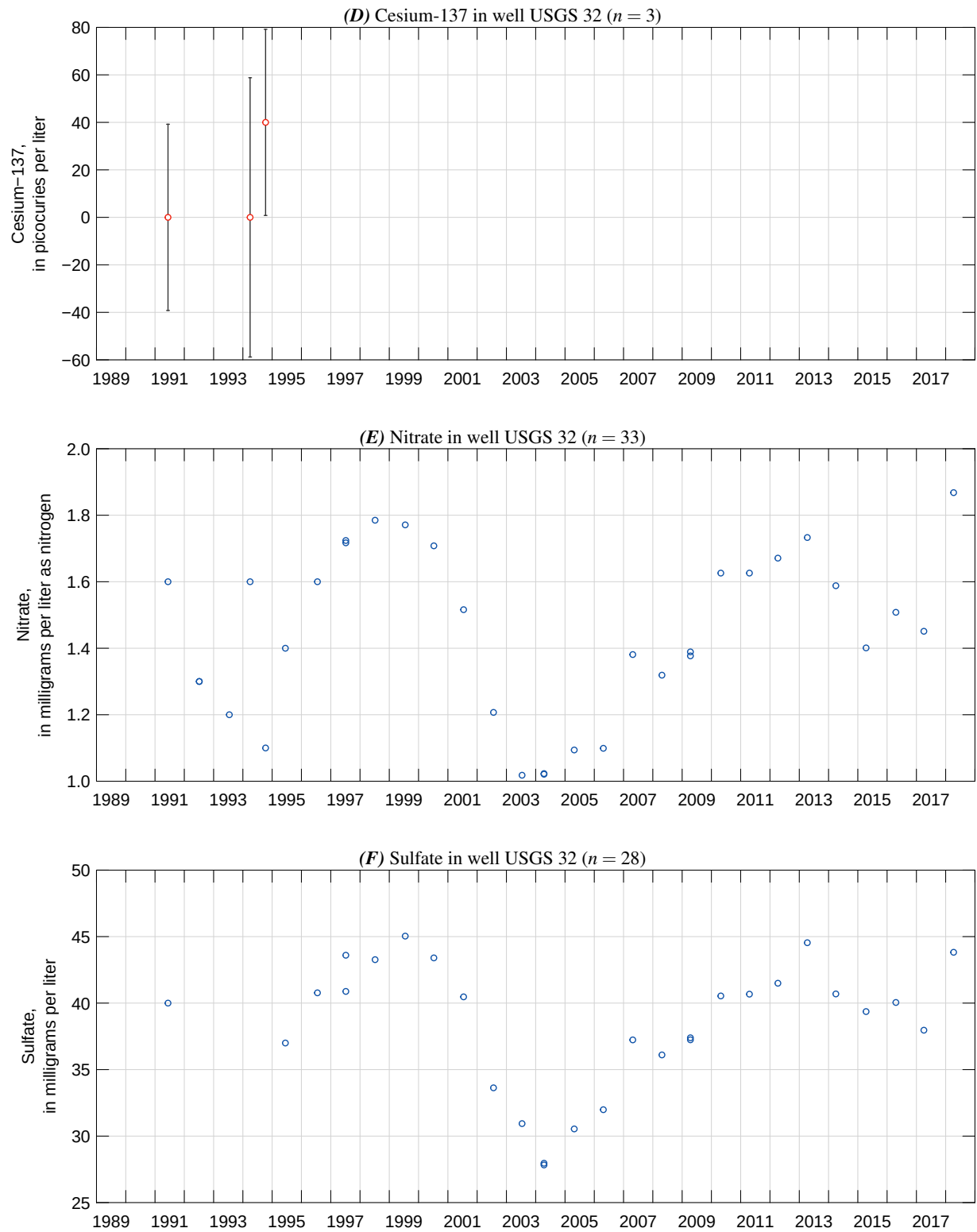


Figure 4.111. —Continued

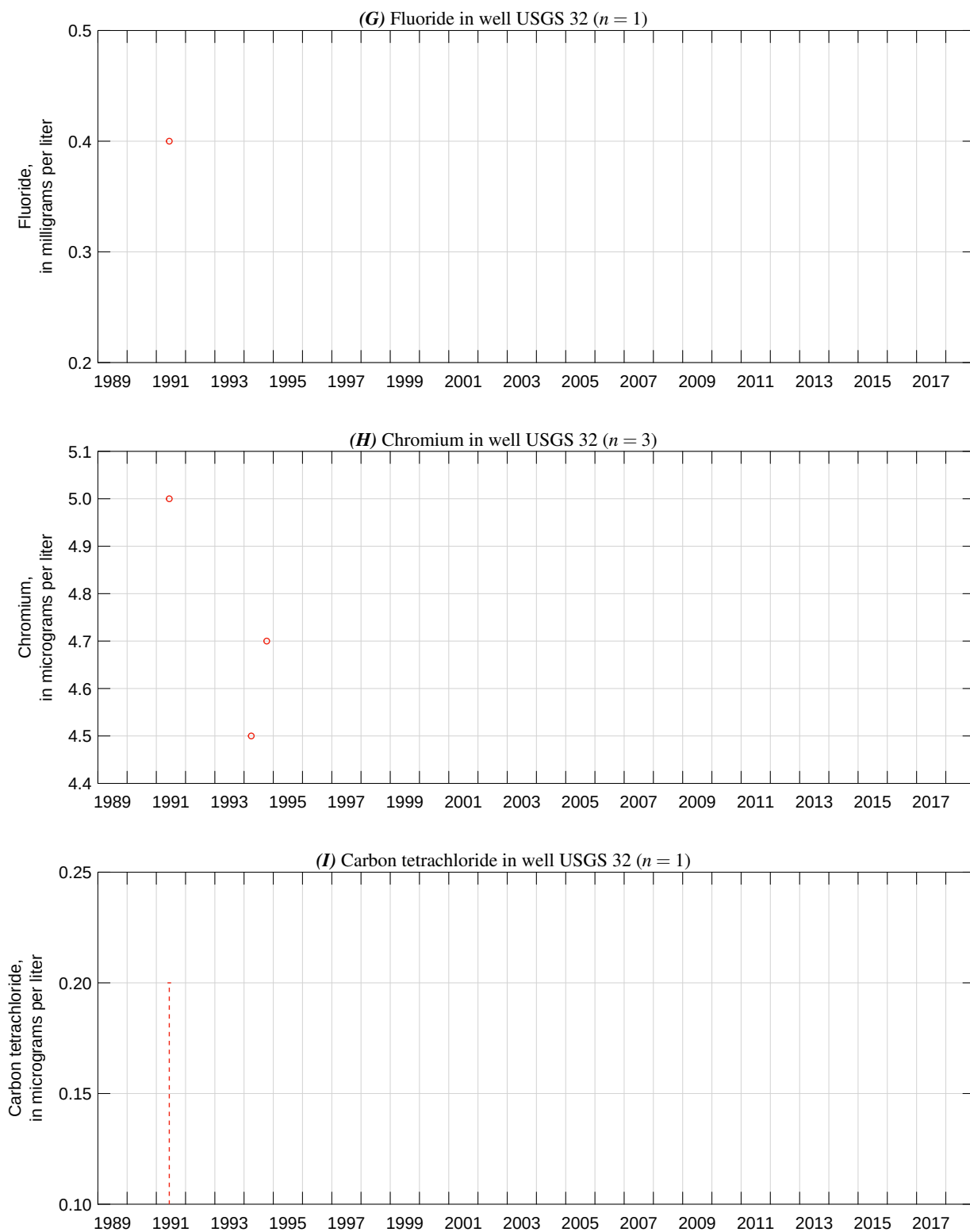


Figure 4.111. —Continued

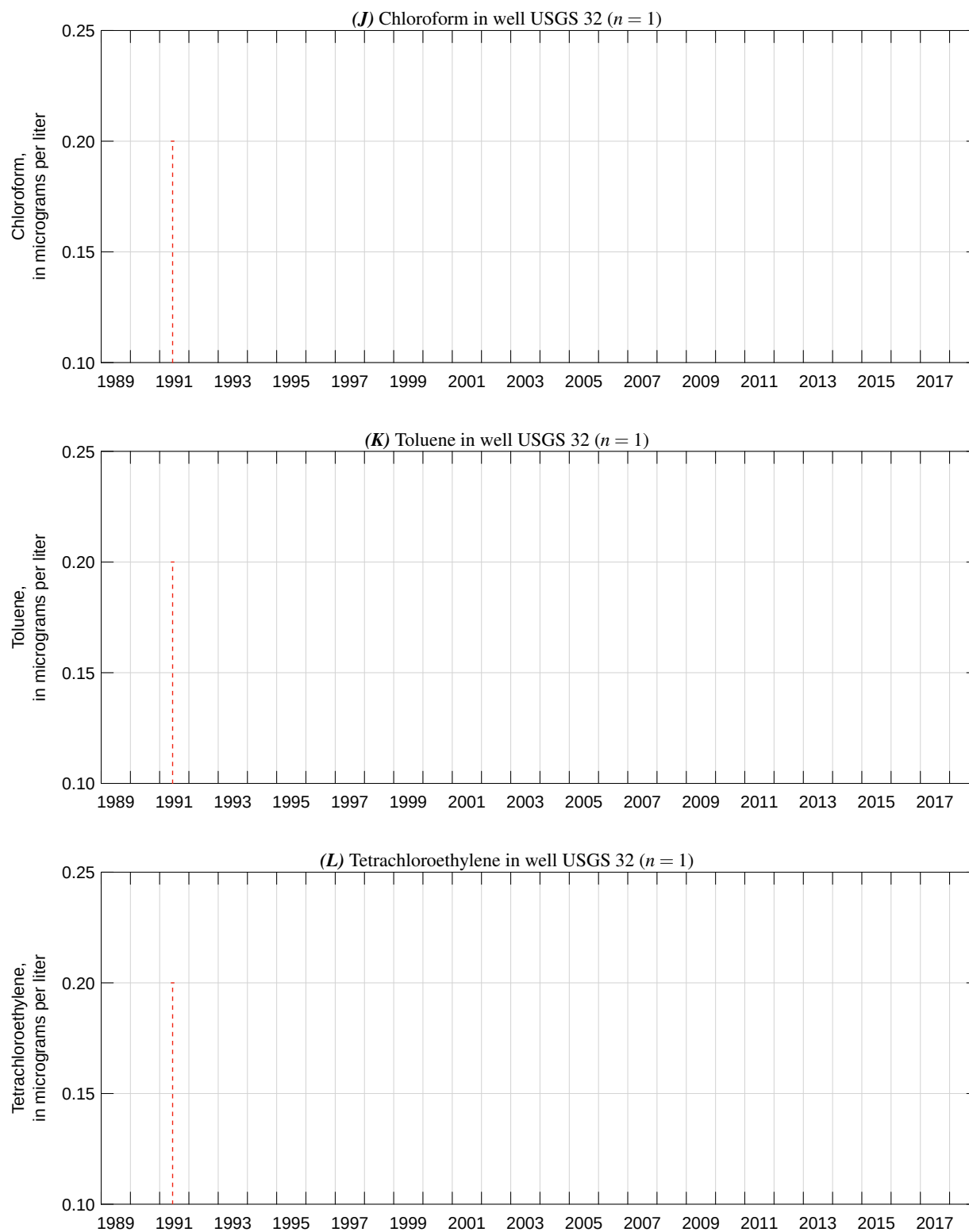


Figure 4.111. —Continued

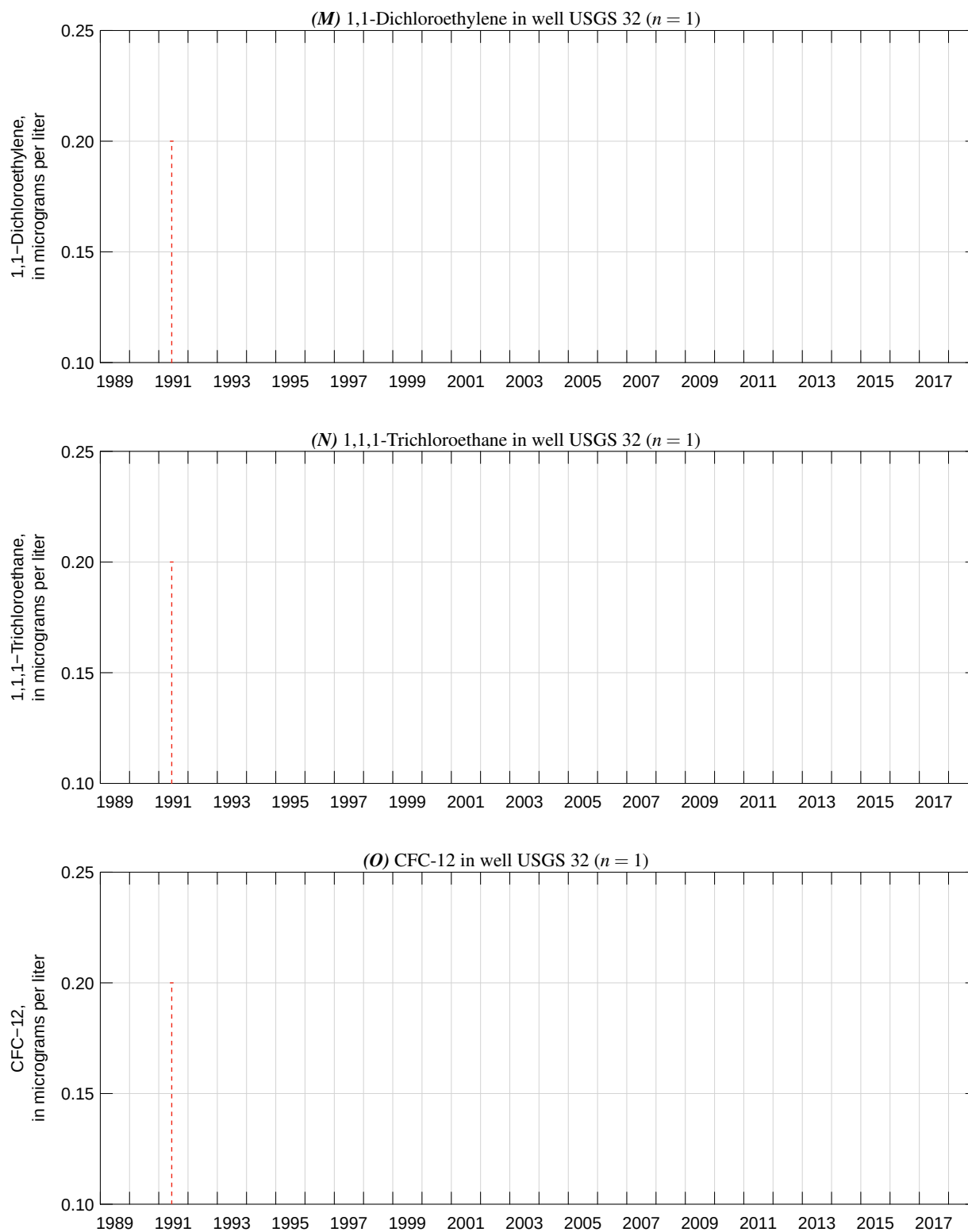


Figure 4.111. —Continued

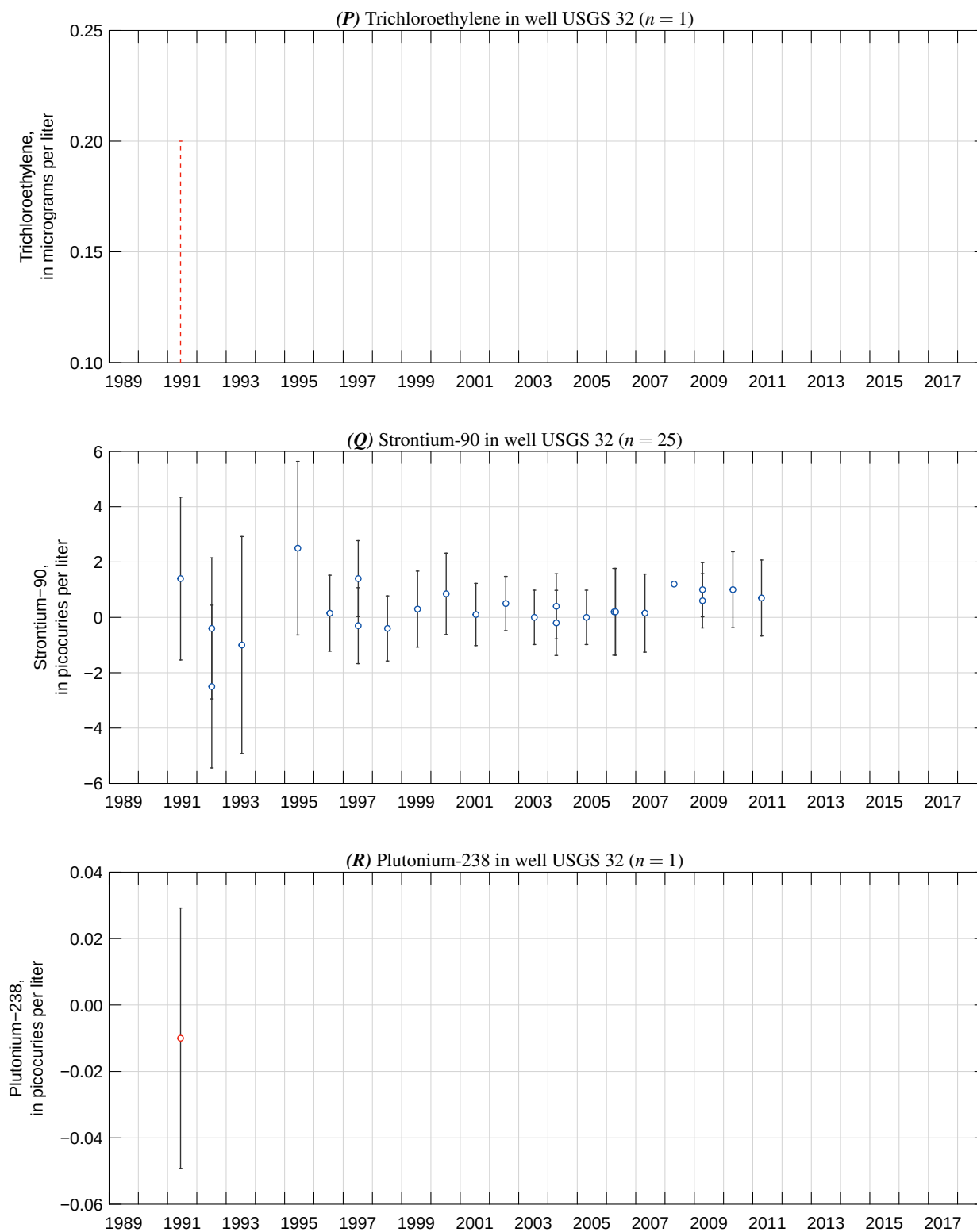


Figure 4.111. —Continued

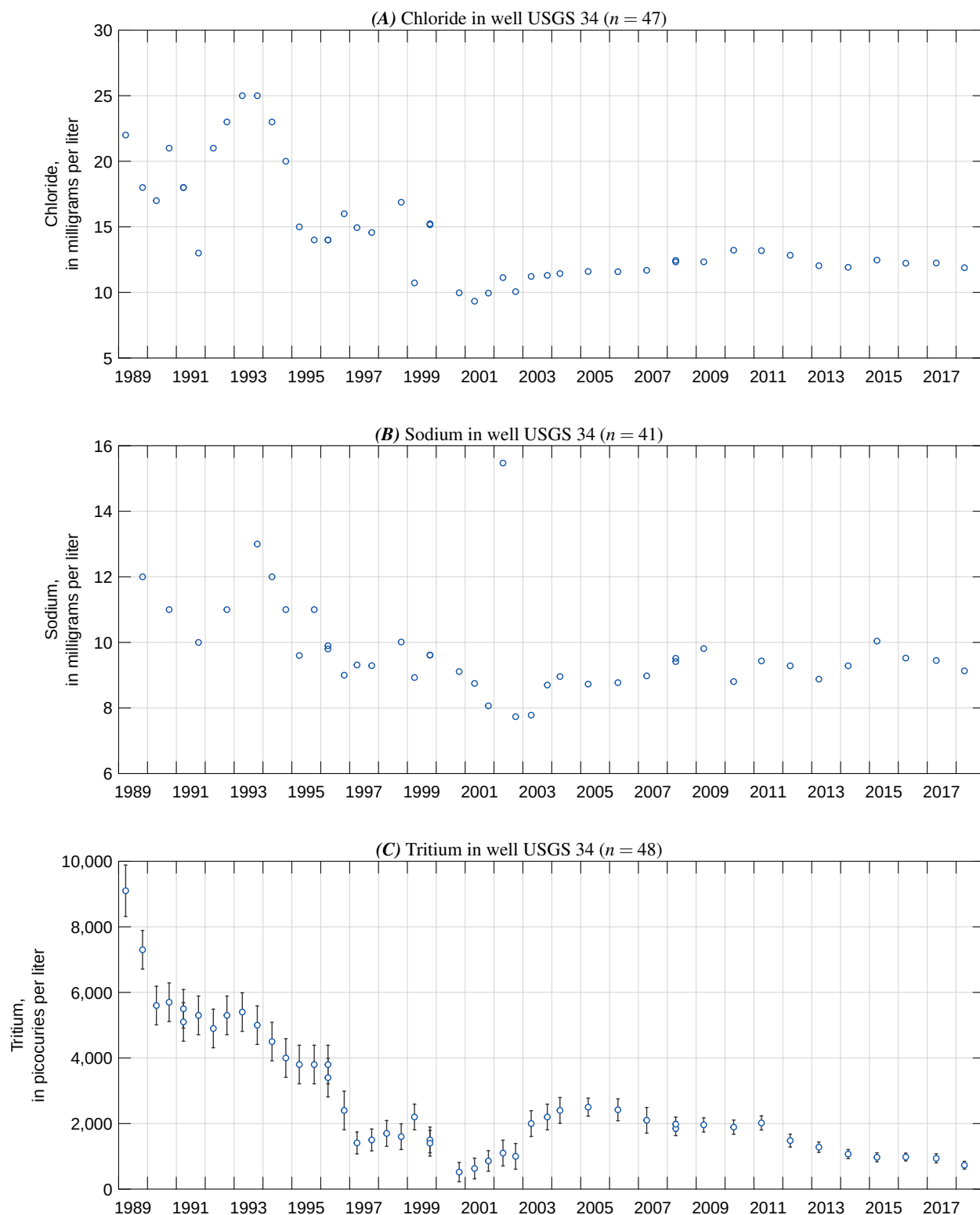


Figure 4.112. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, (R) plutonium-238, (S) alpha particle, and (T) beta particle concentrations in water collected from well USGS 34 (Site No. 433334112565501), Idaho National Laboratory, Idaho, 1989–2018.

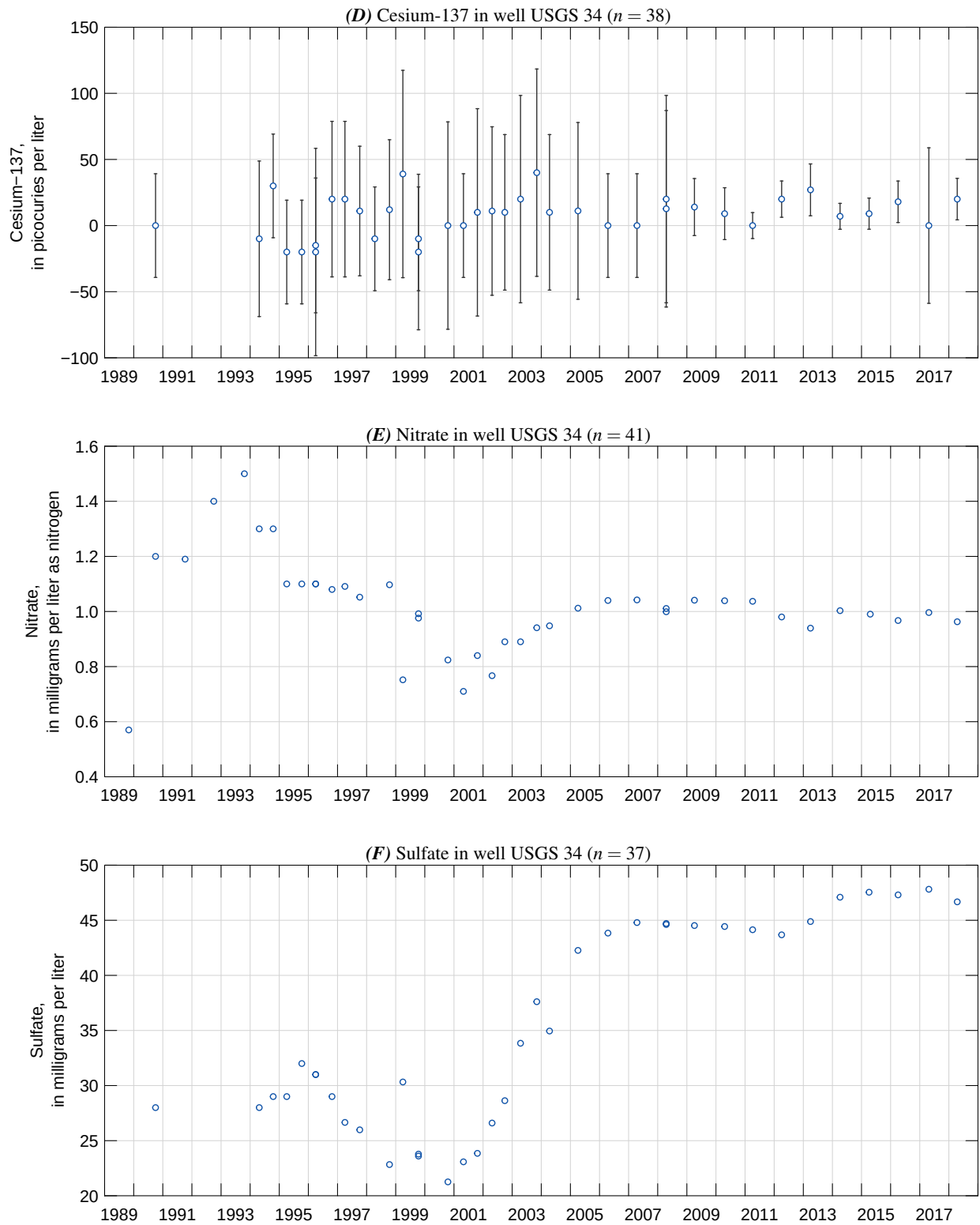


Figure 4.112. —Continued

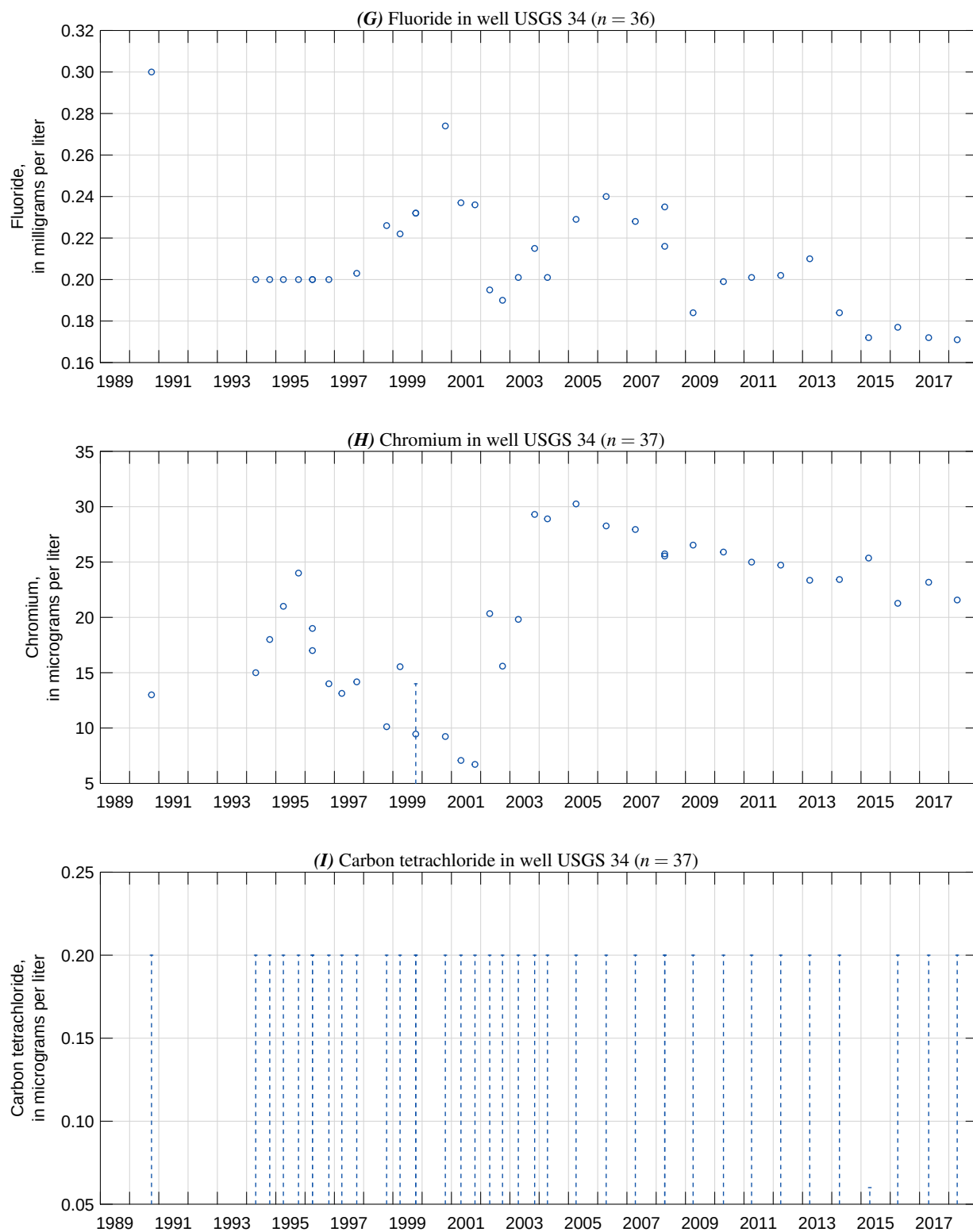


Figure 4.112. —Continued

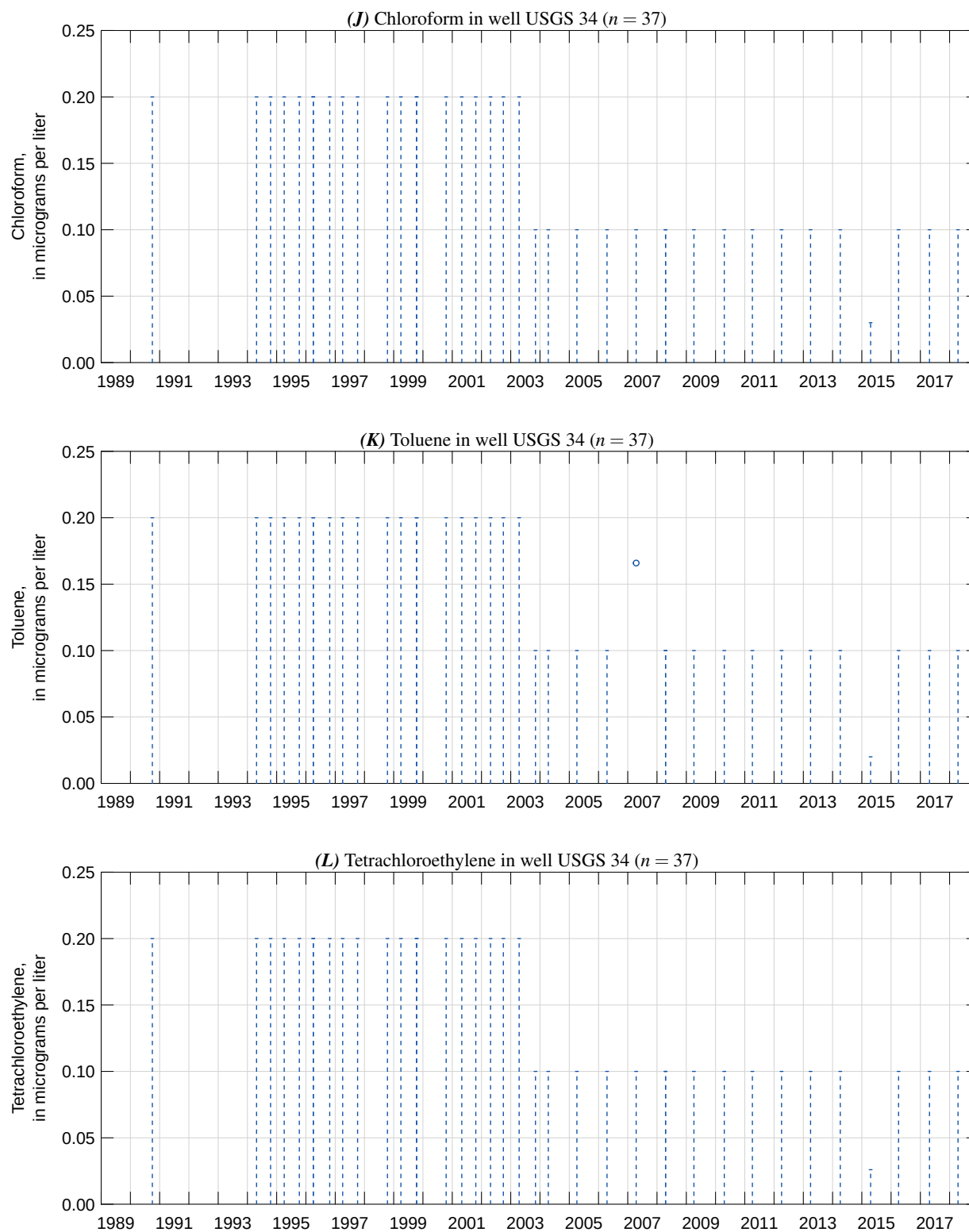


Figure 4.112. —Continued

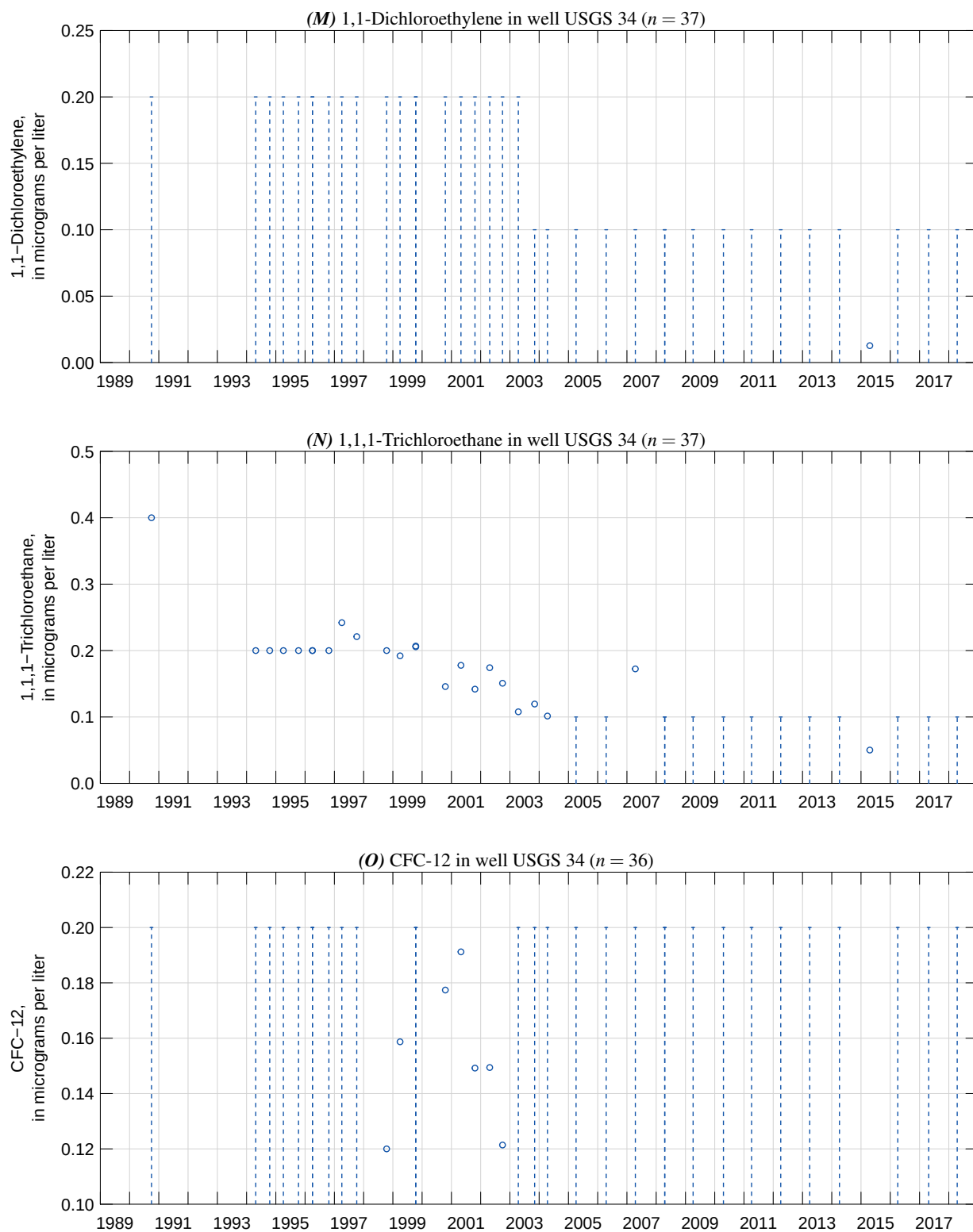


Figure 4.112. —Continued

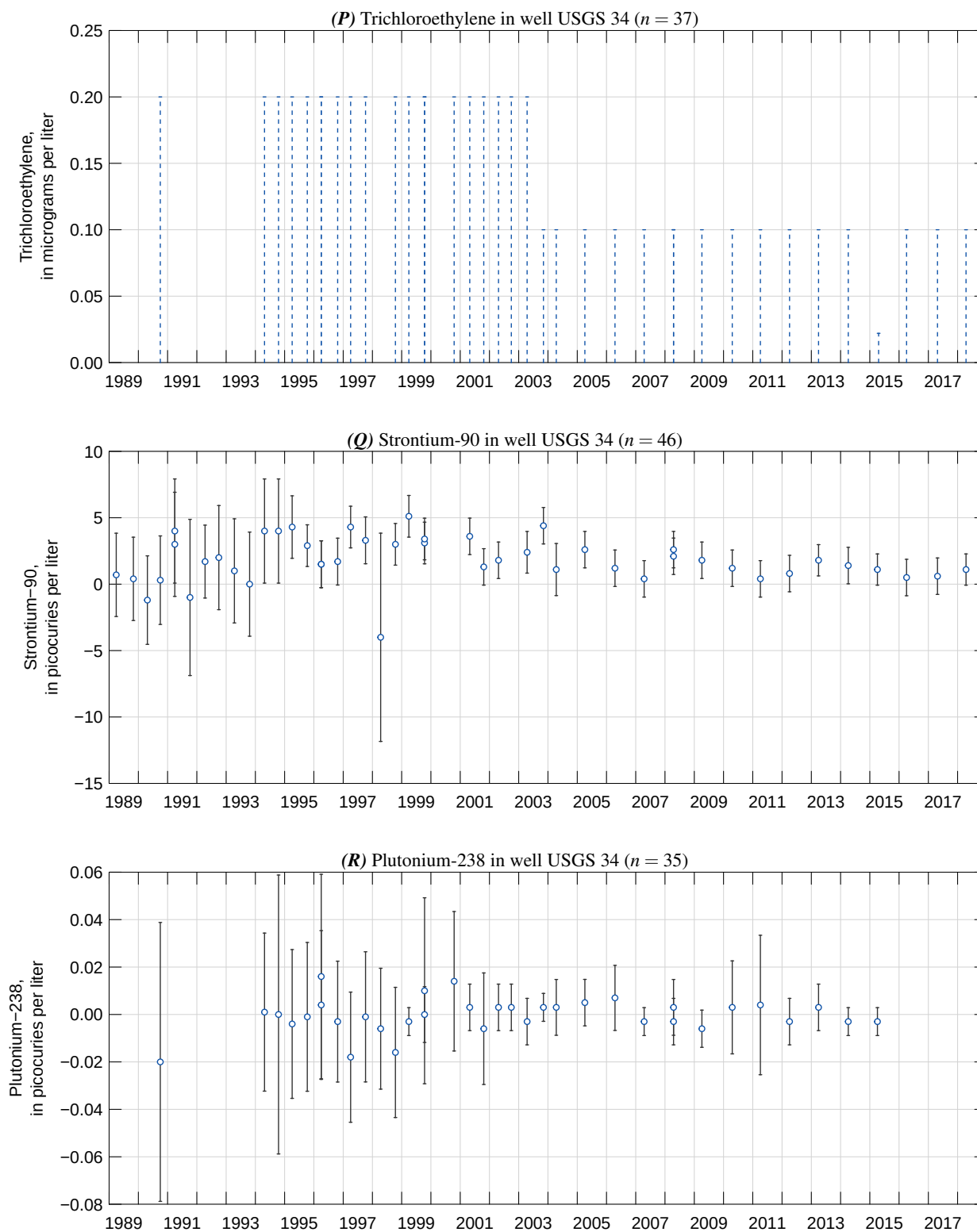


Figure 4.112. —Continued

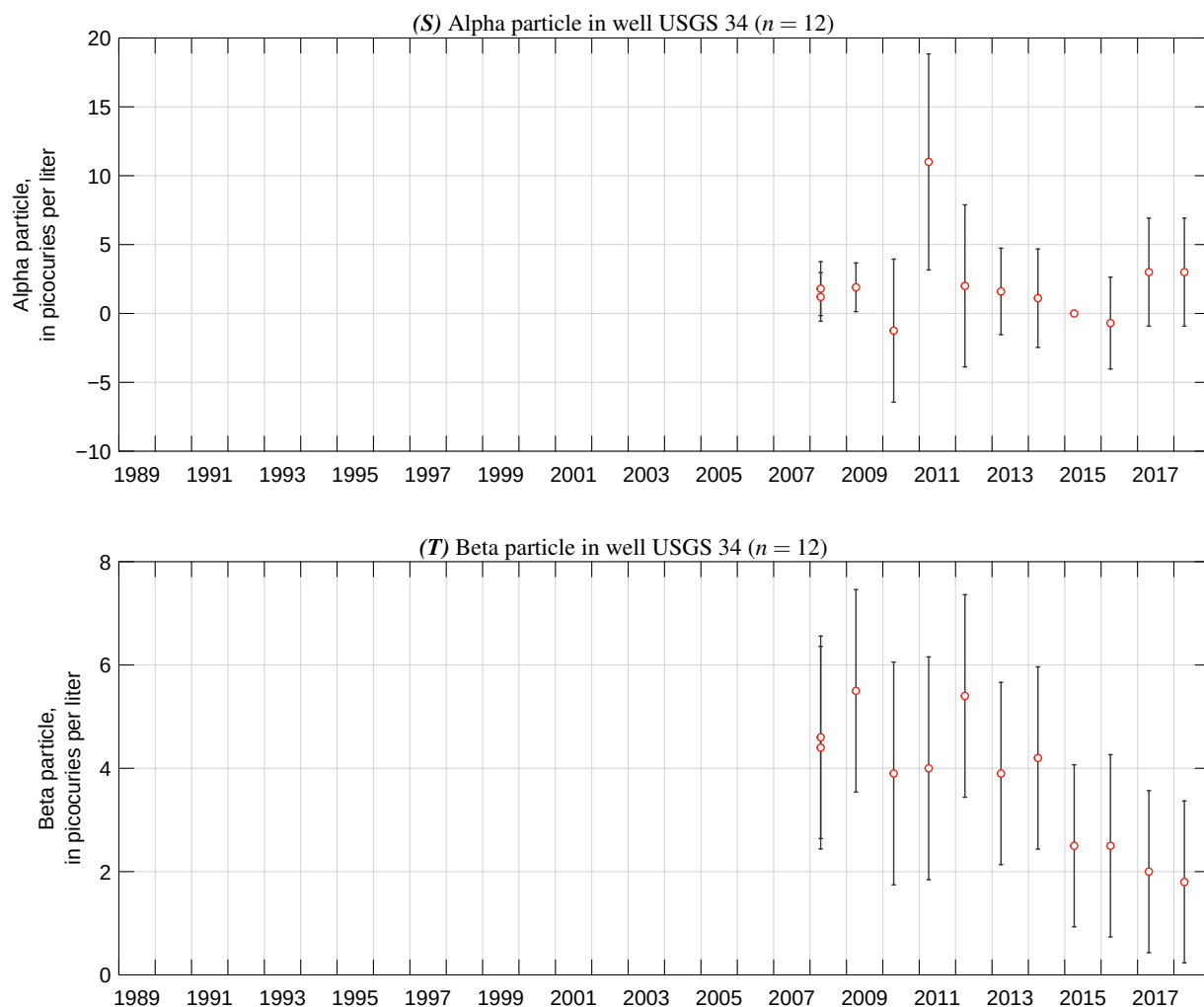


Figure 4.112. —Continued

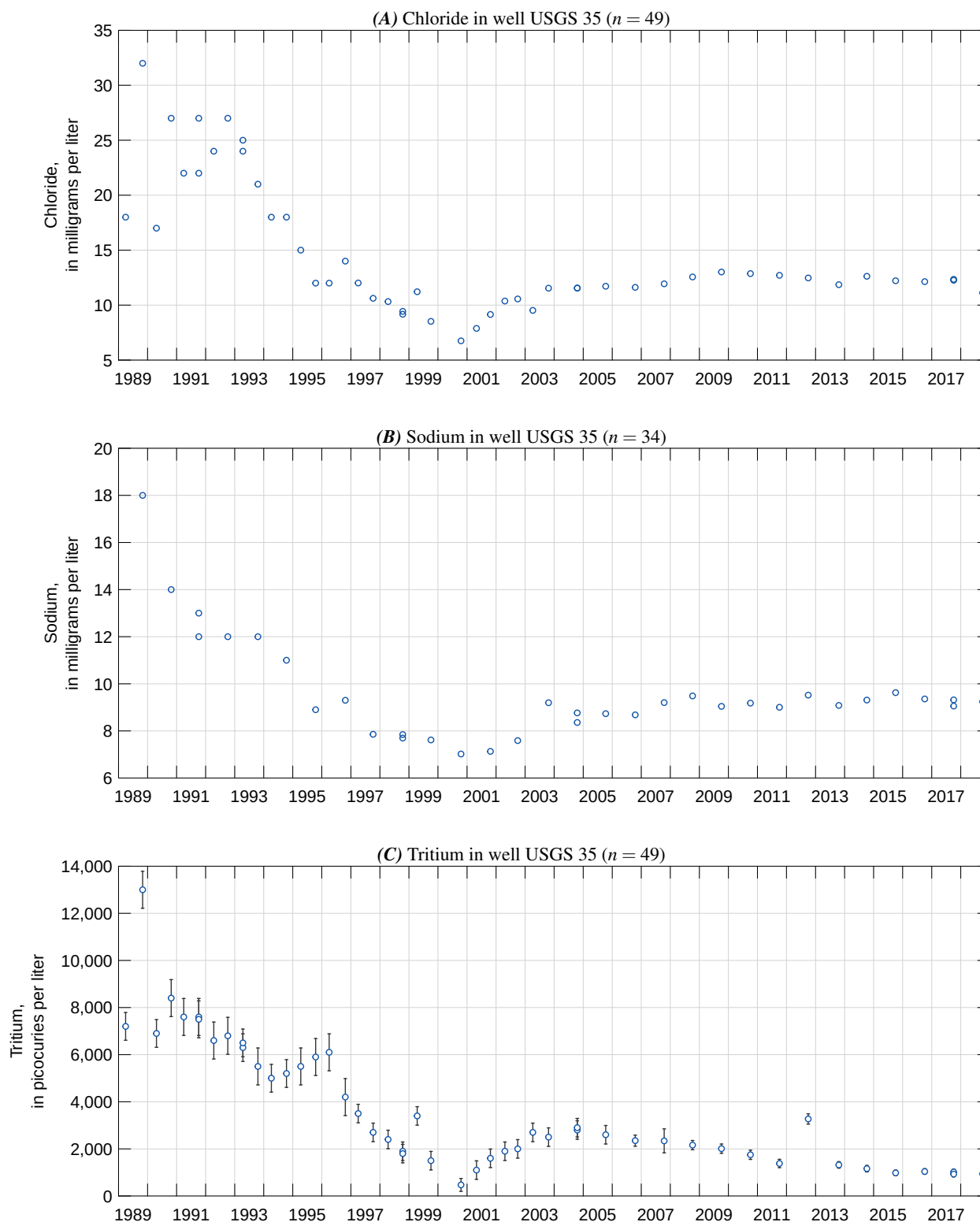


Figure 4.113. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, and (R) plutonium-238 concentrations in water collected from well USGS 35 (Site No. 433339112565801), Idaho National Laboratory, Idaho, 1989–2018.

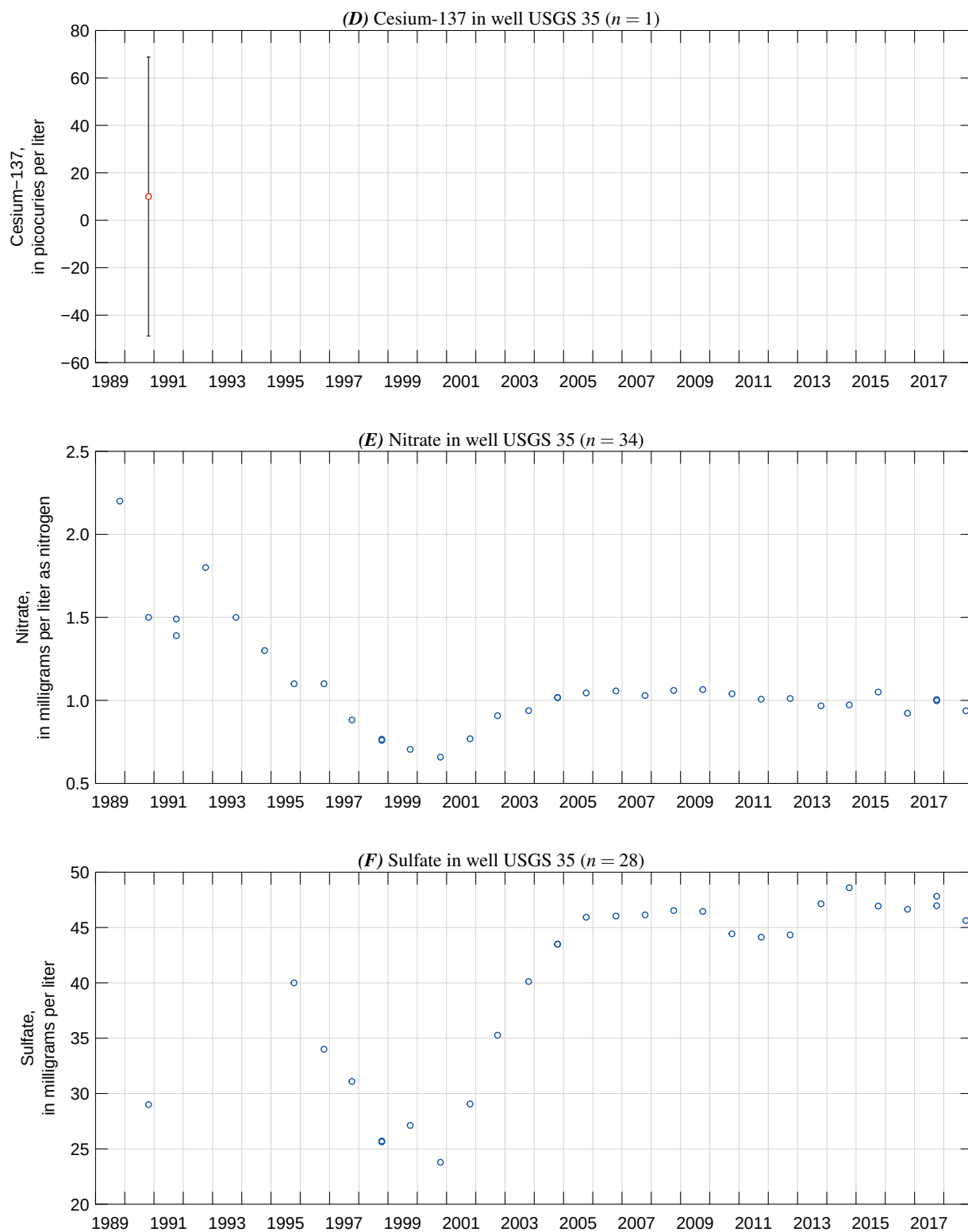


Figure 4.113. —Continued

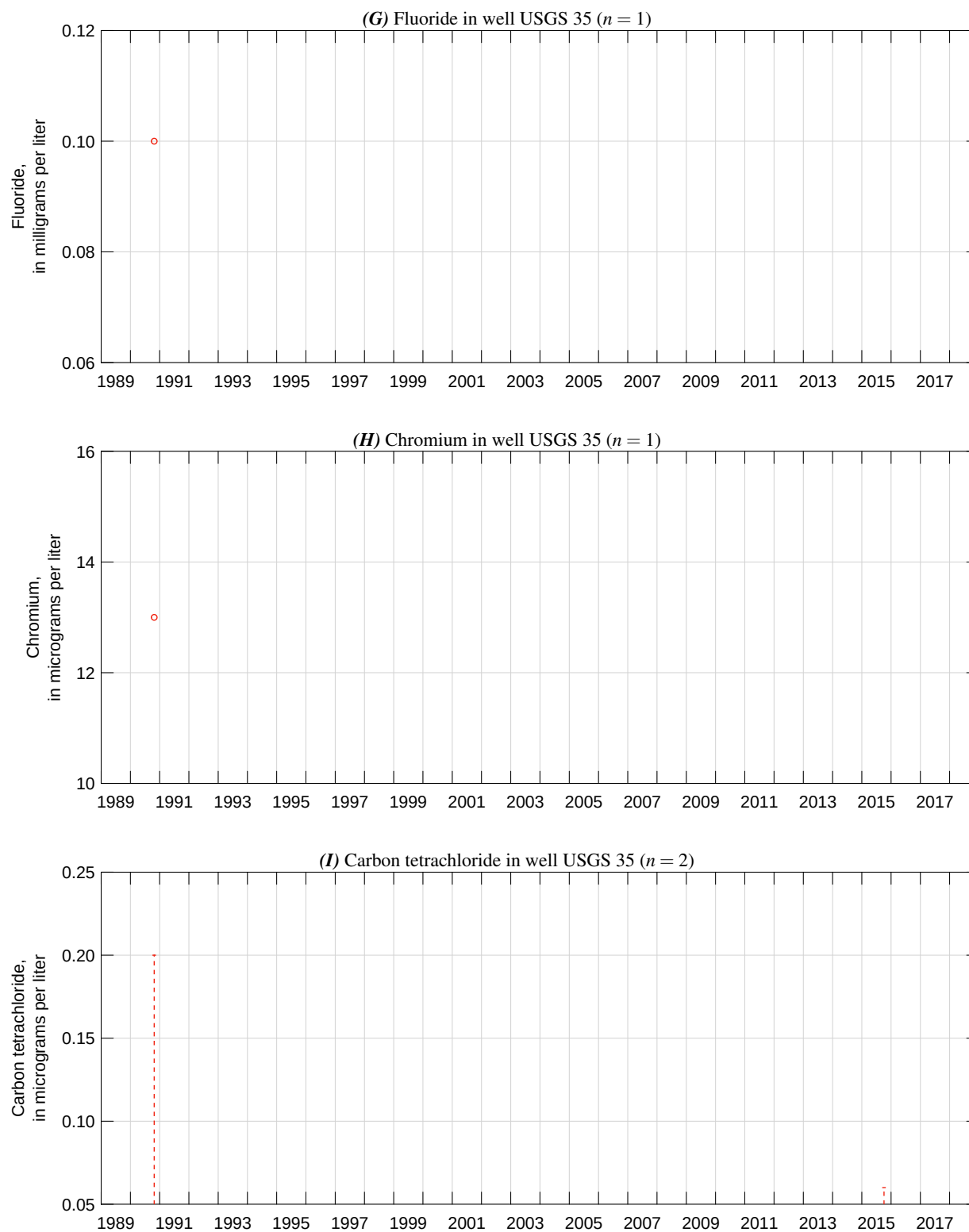


Figure 4.113. —Continued

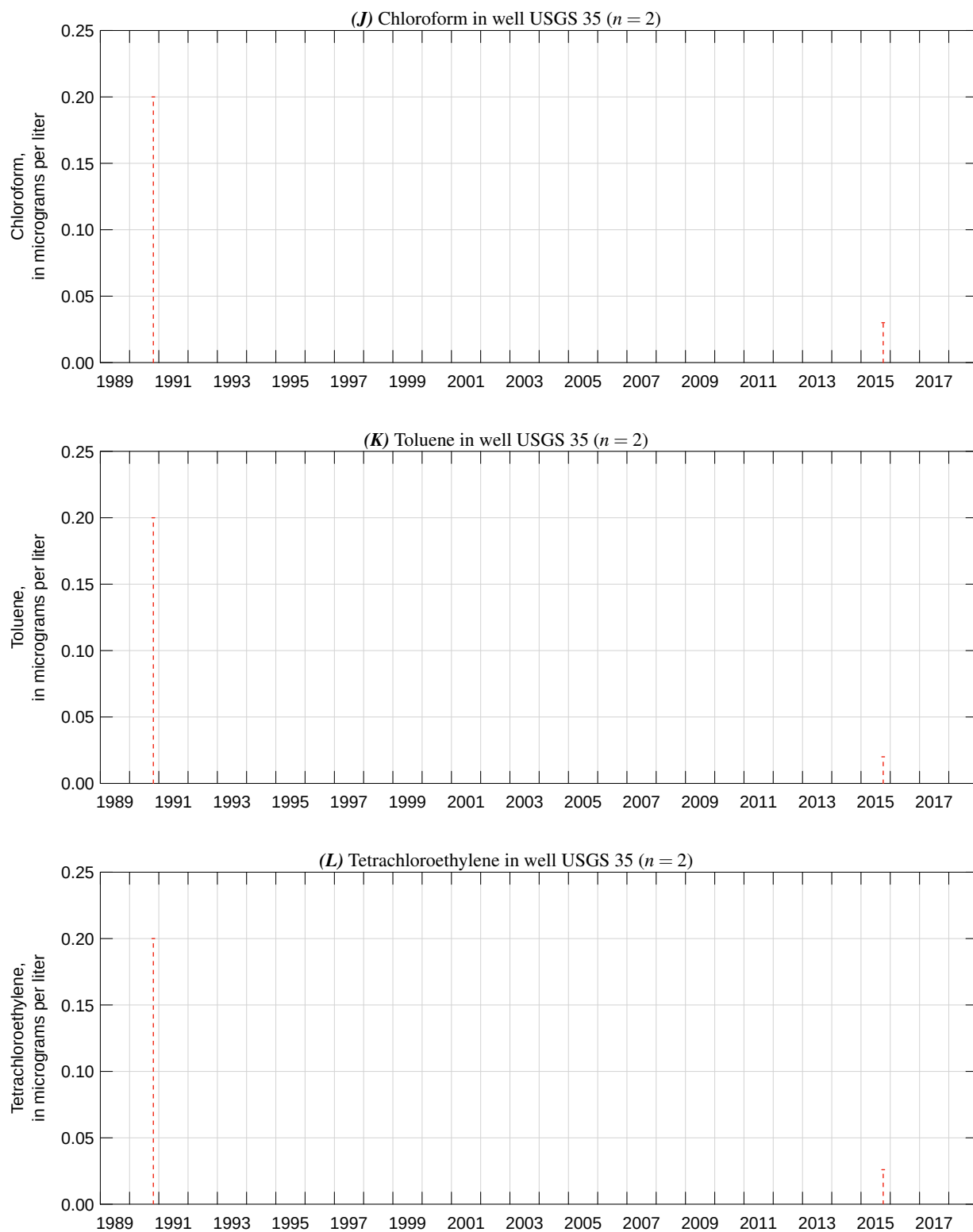


Figure 4.113. —Continued

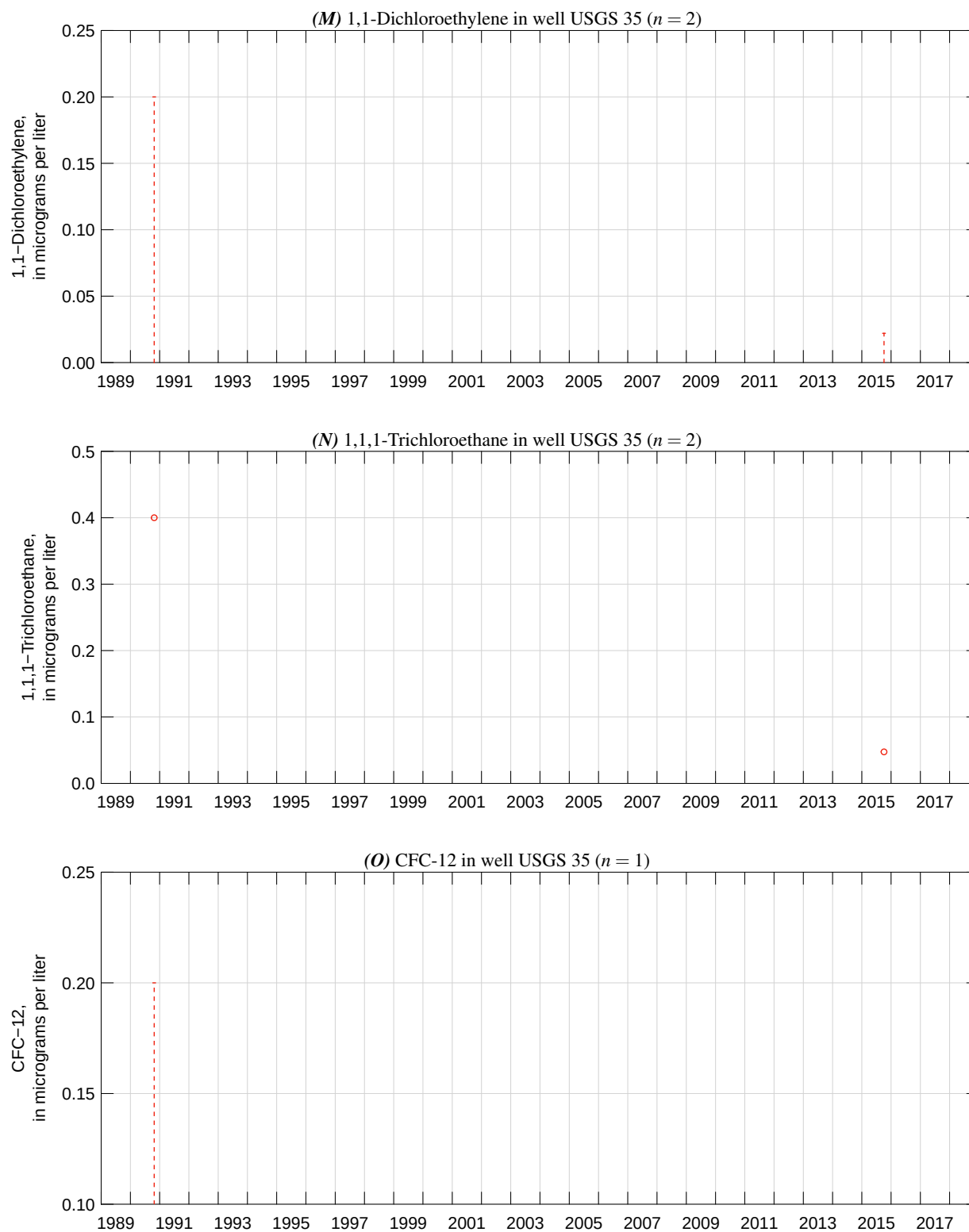


Figure 4.113. —Continued

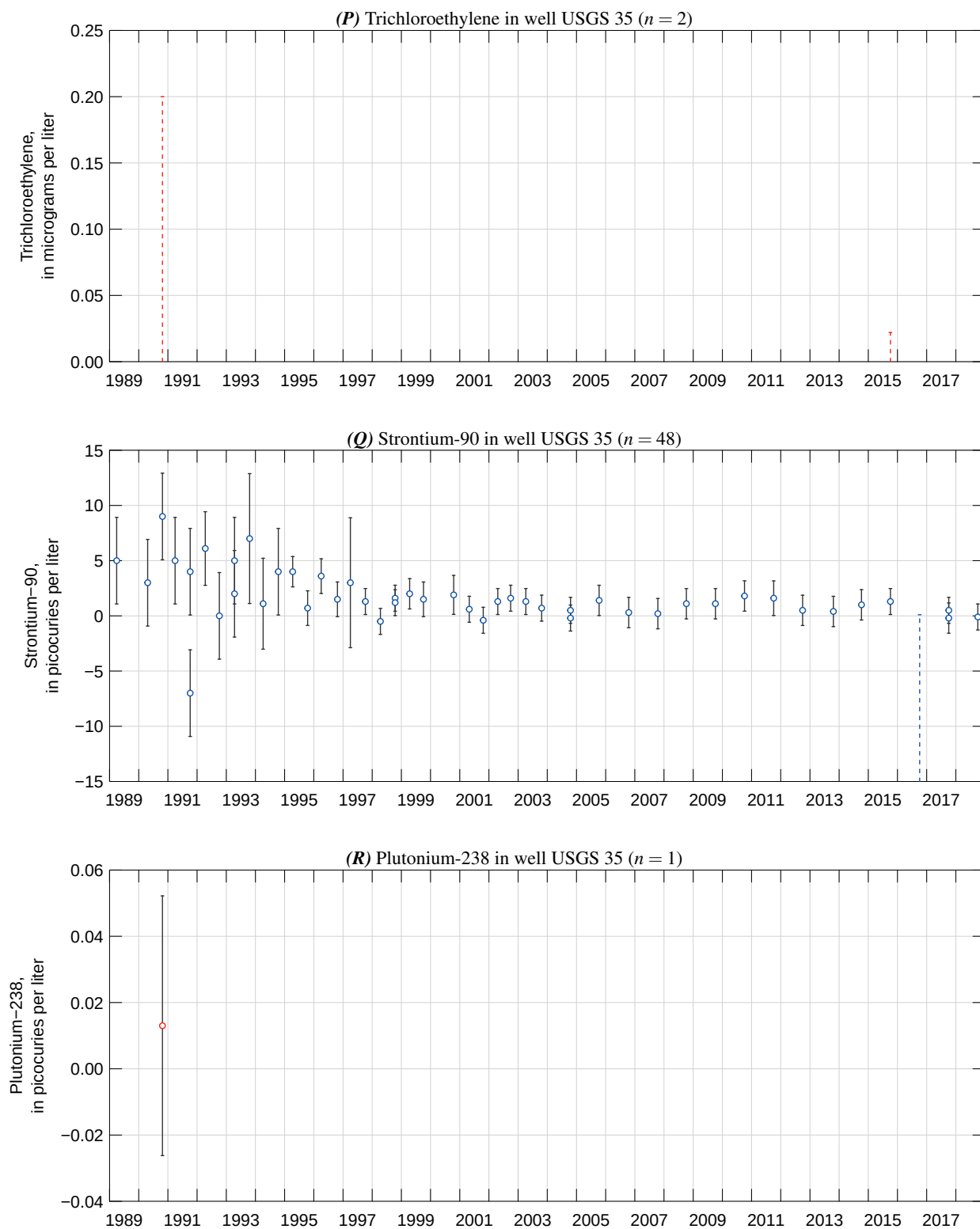


Figure 4.113. —Continued

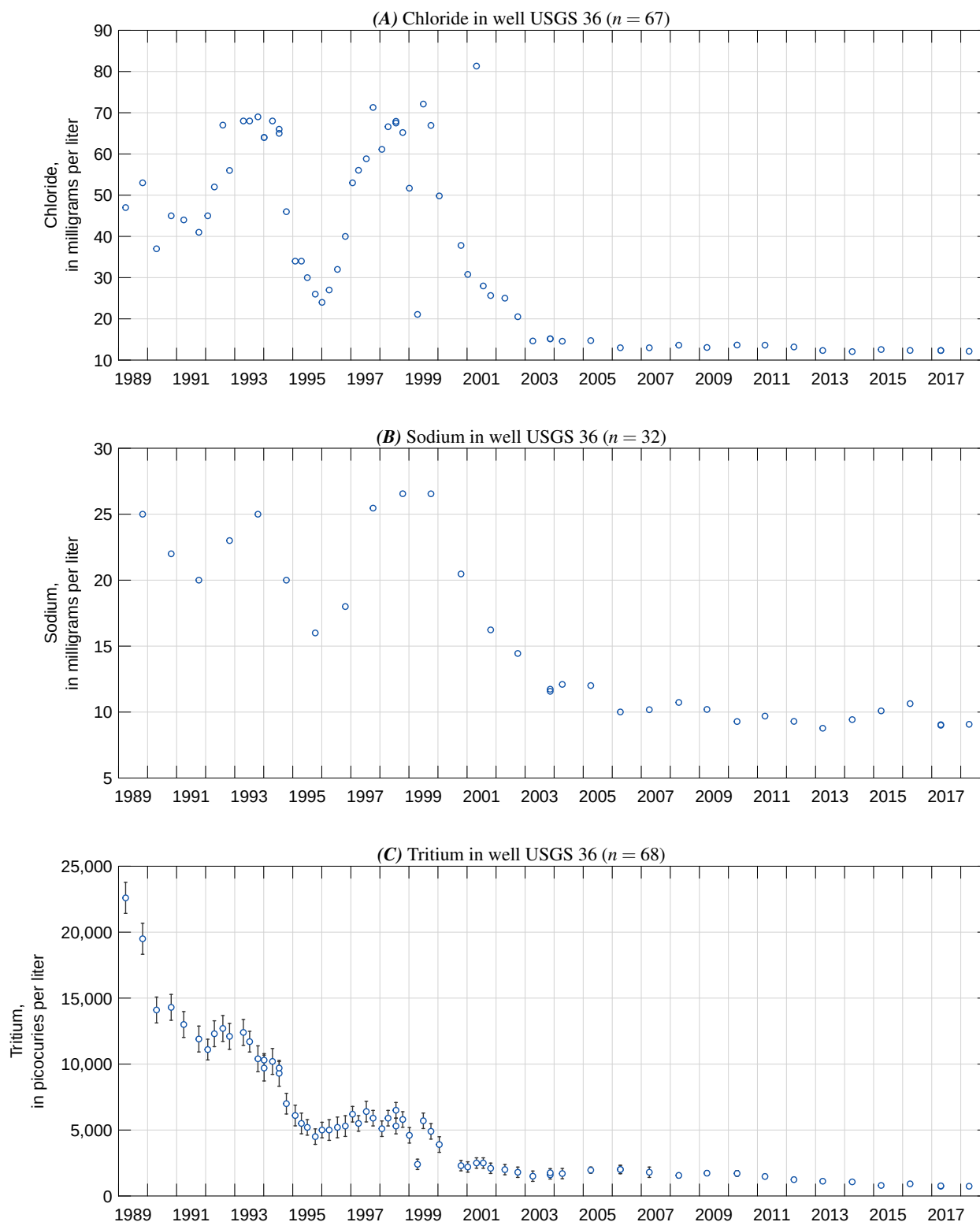


Figure 4.114. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, and (R) plutonium-238 concentrations in water collected from well USGS 36 (Site No. 433330112565201), Idaho National Laboratory, Idaho, 1989–2018.

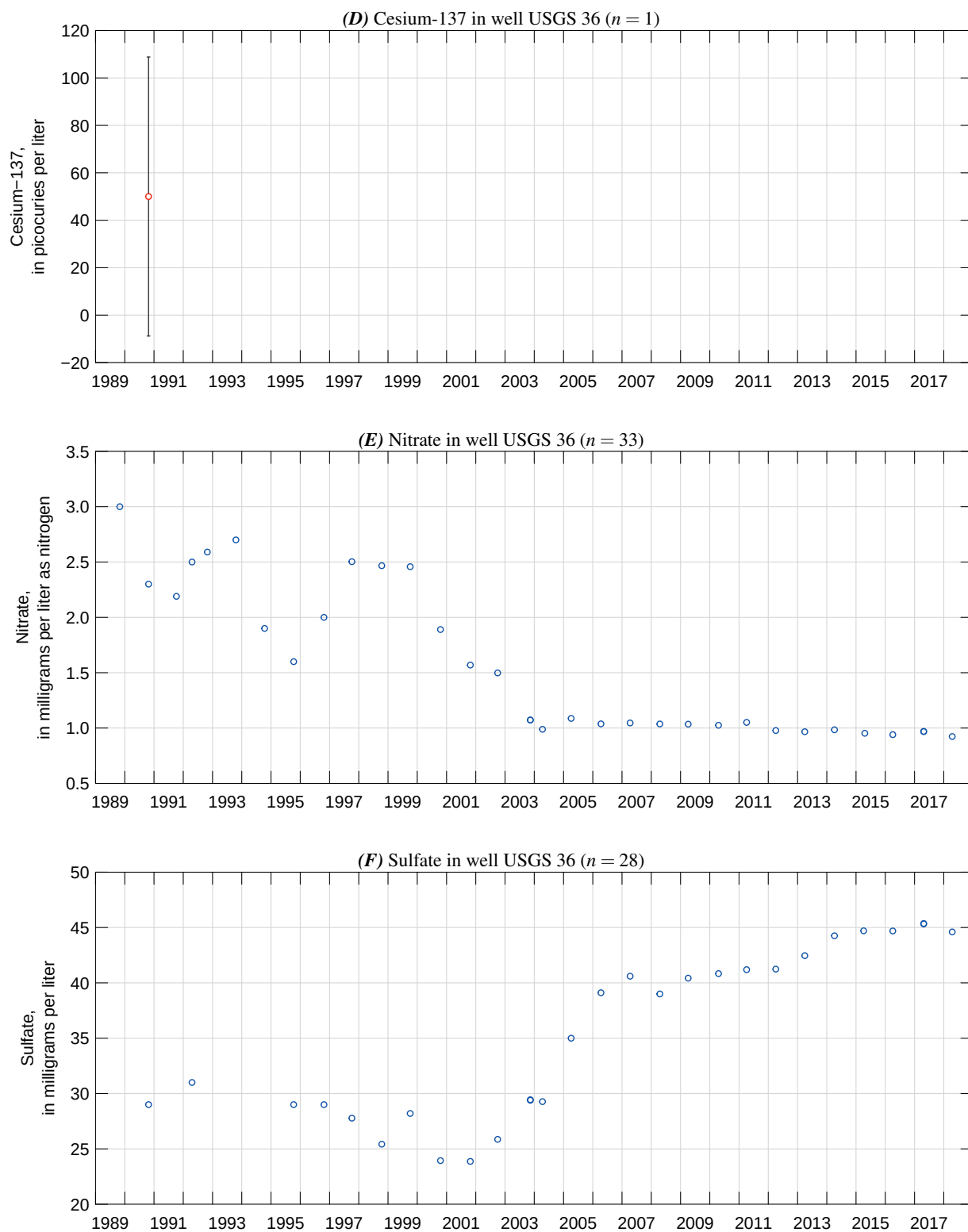


Figure 4.114. —Continued

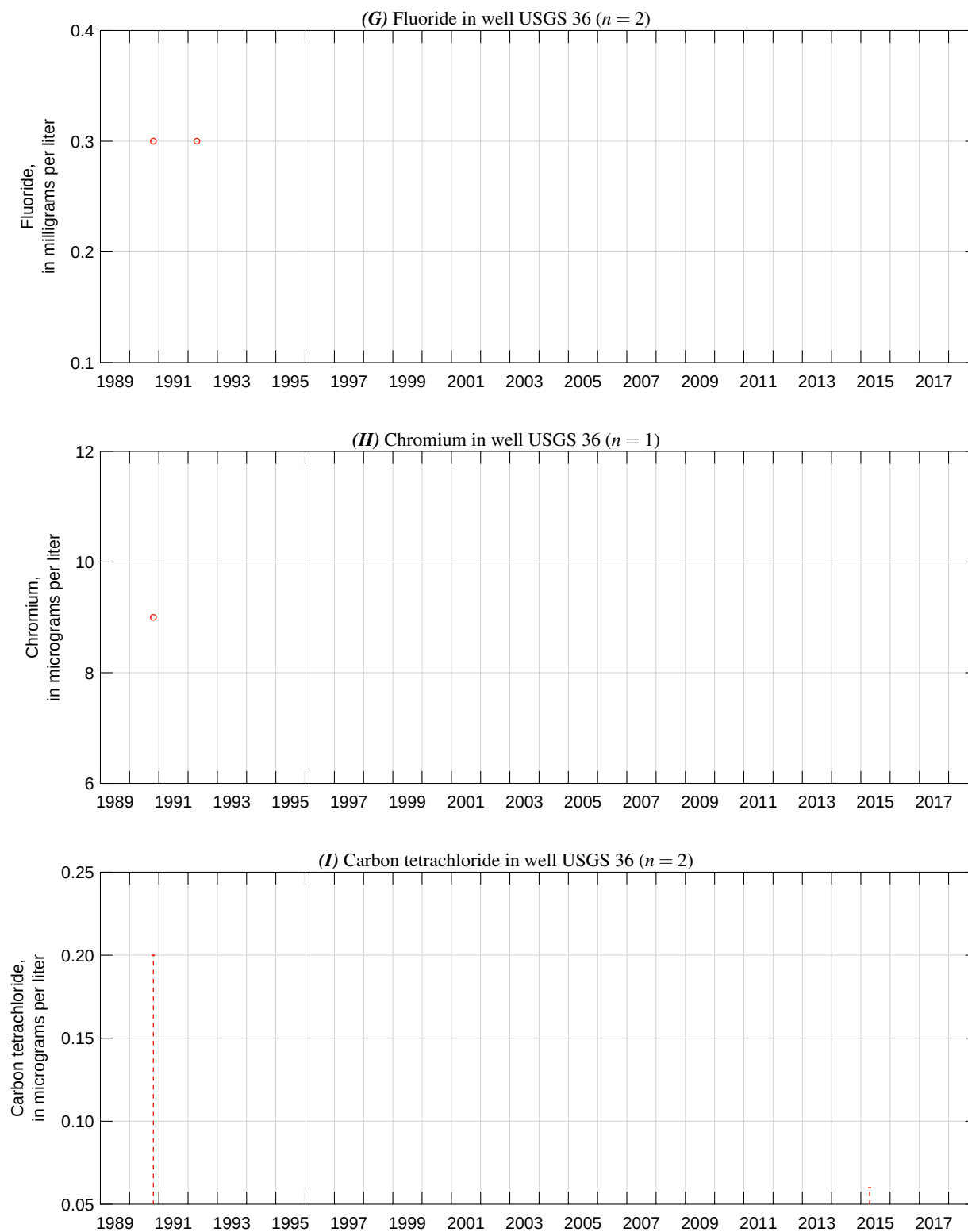


Figure 4.114. —Continued

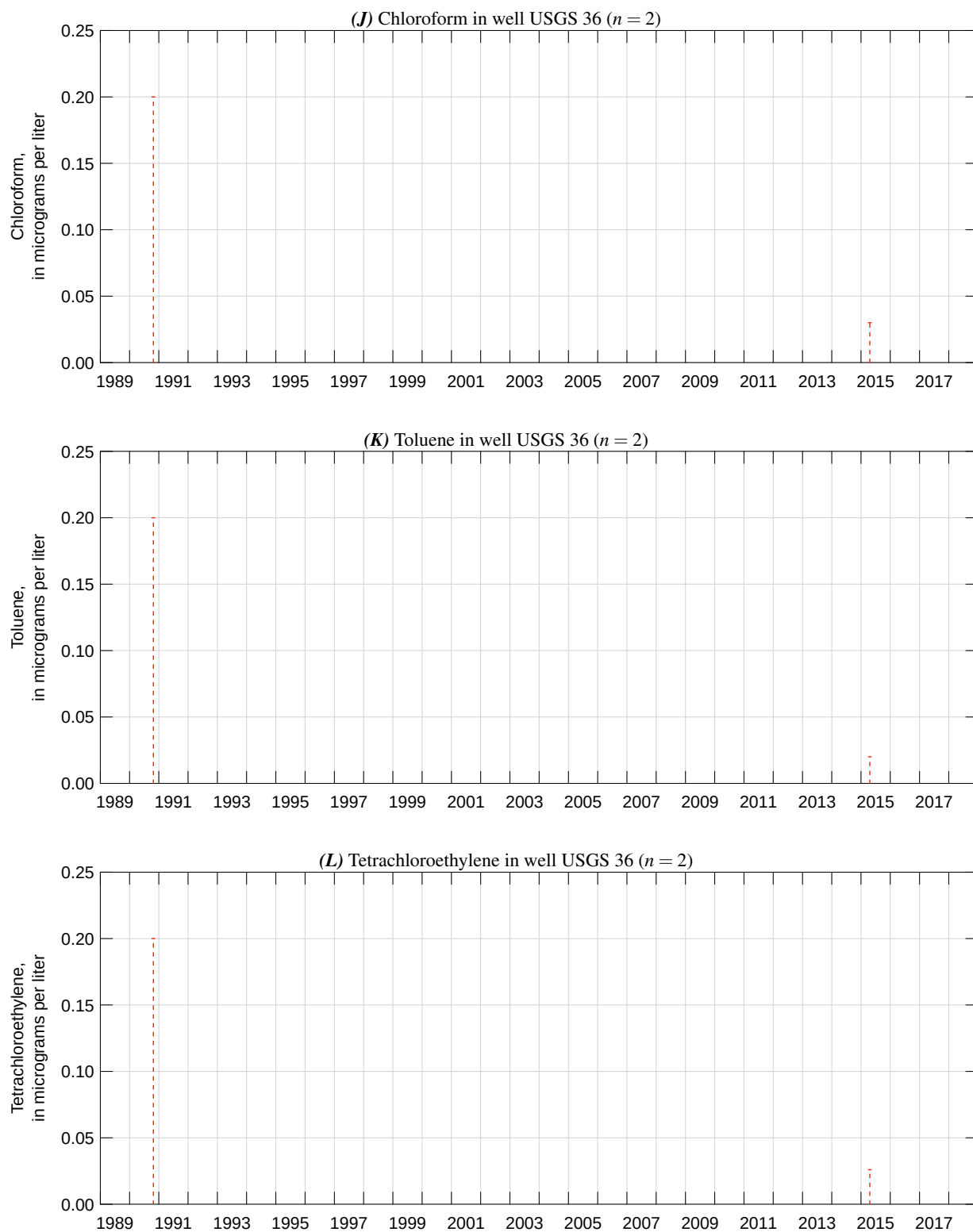


Figure 4.114. —Continued

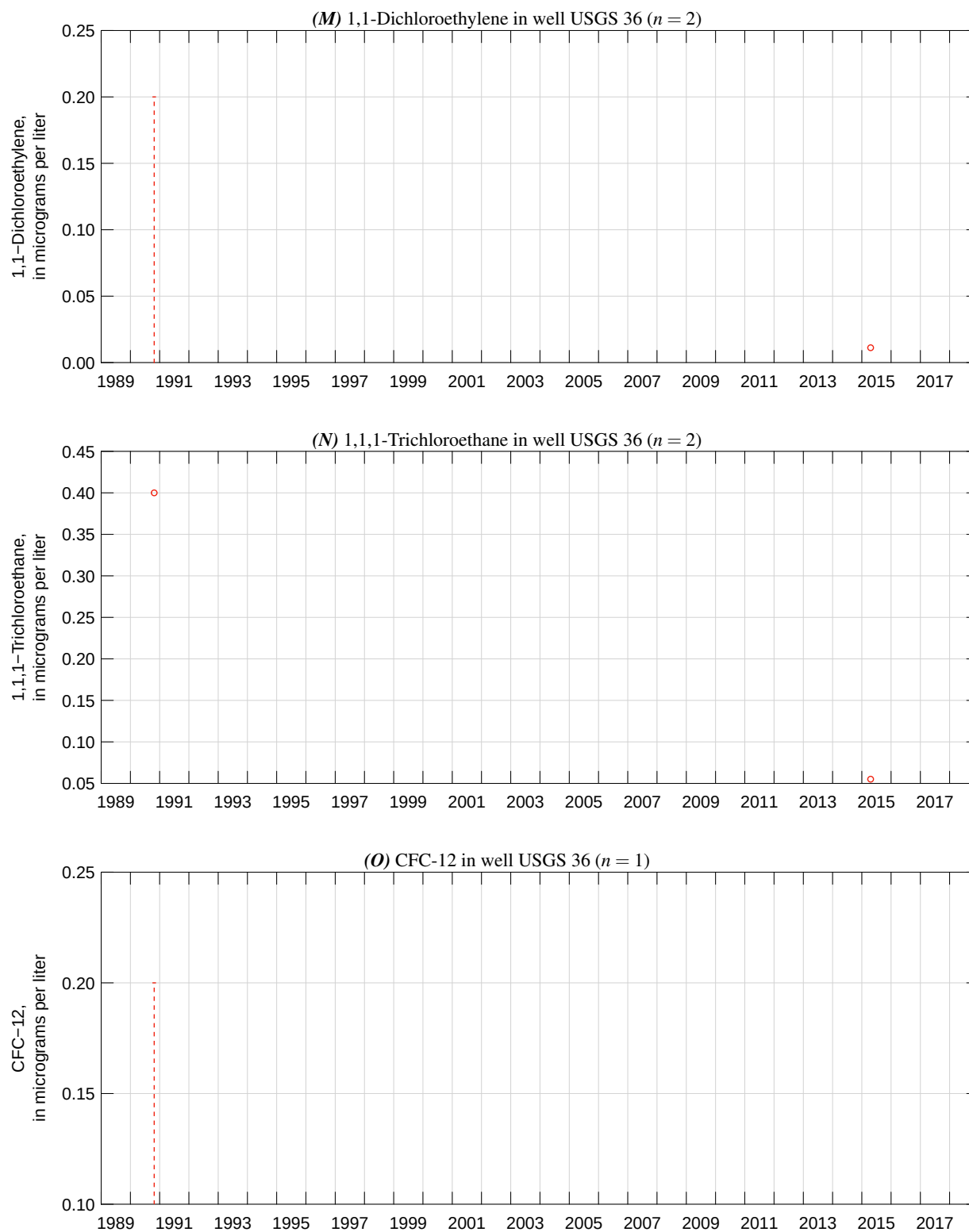


Figure 4.114. —Continued

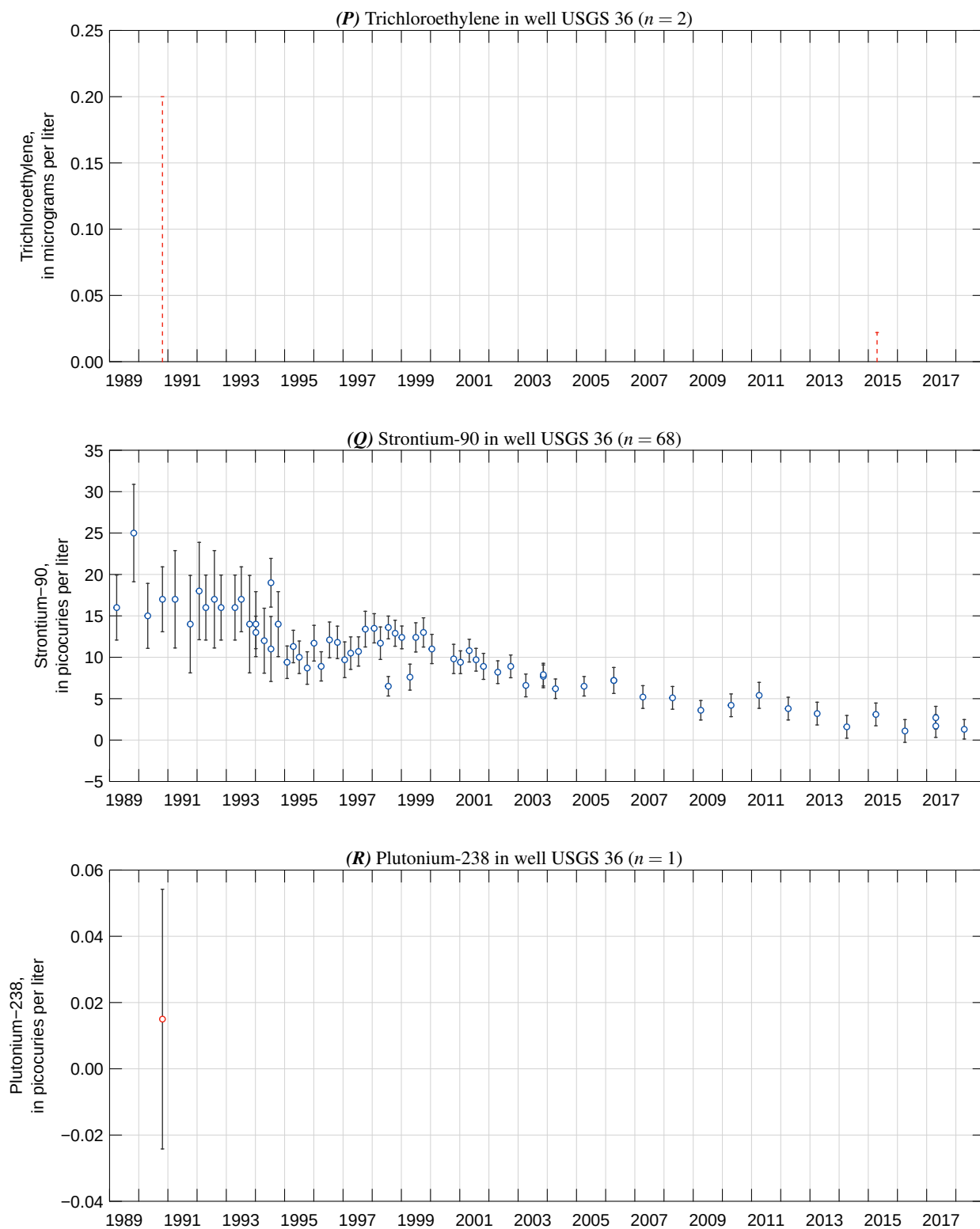


Figure 4.114. —Continued

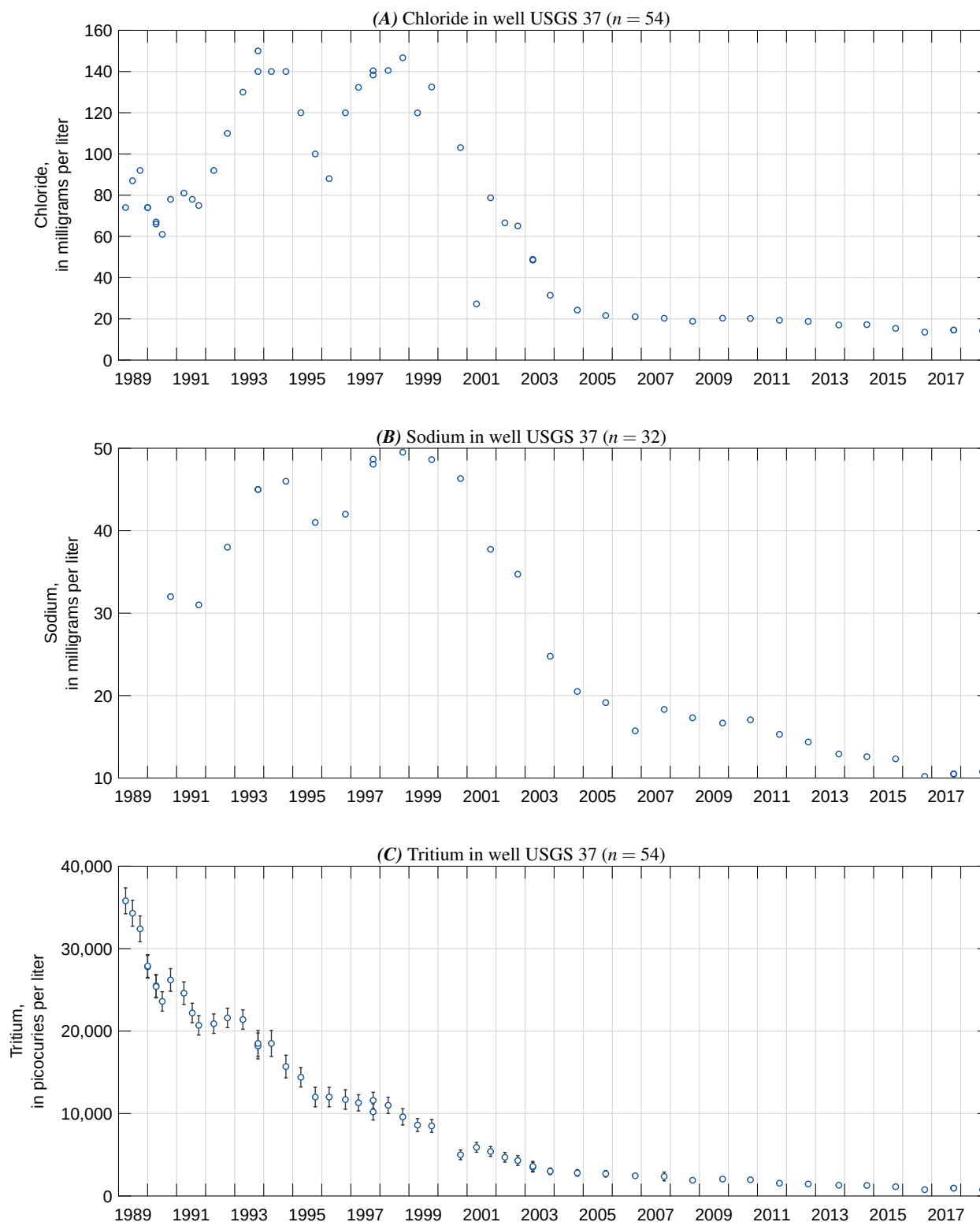


Figure 4.115. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) carbon tetrachloride, (I) chloroform, (J) toluene, (K) tetrachloroethylene, (L) 1,1-dichloroethylene, (M) 1,1,1-trichloroethane, (N) trichloroethylene, (O) strontium-90, and (P) plutonium-238 concentrations in water collected from well USGS 37 (Site No. 433326112564801), Idaho National Laboratory, Idaho, 1989–2018.

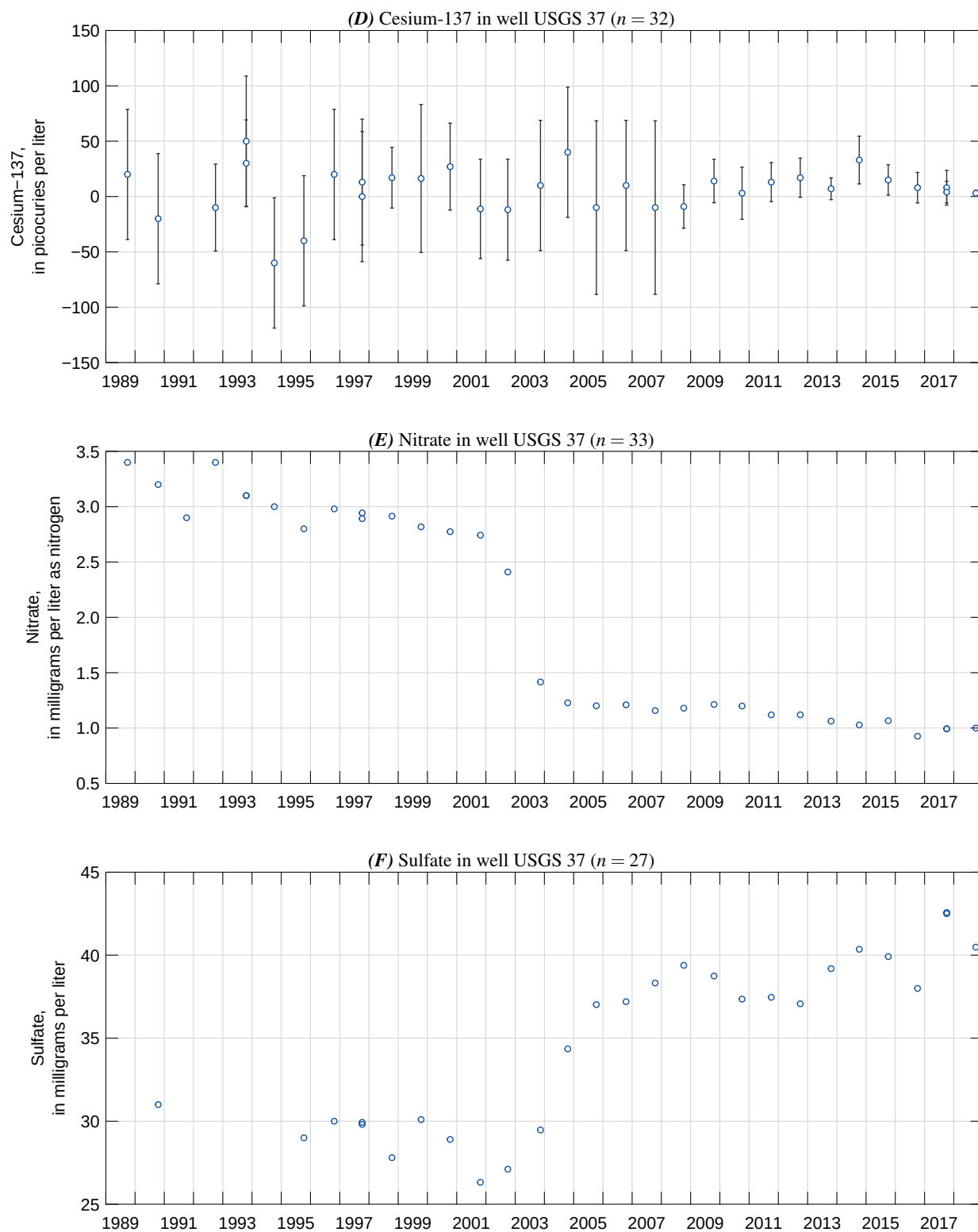


Figure 4.115. —Continued

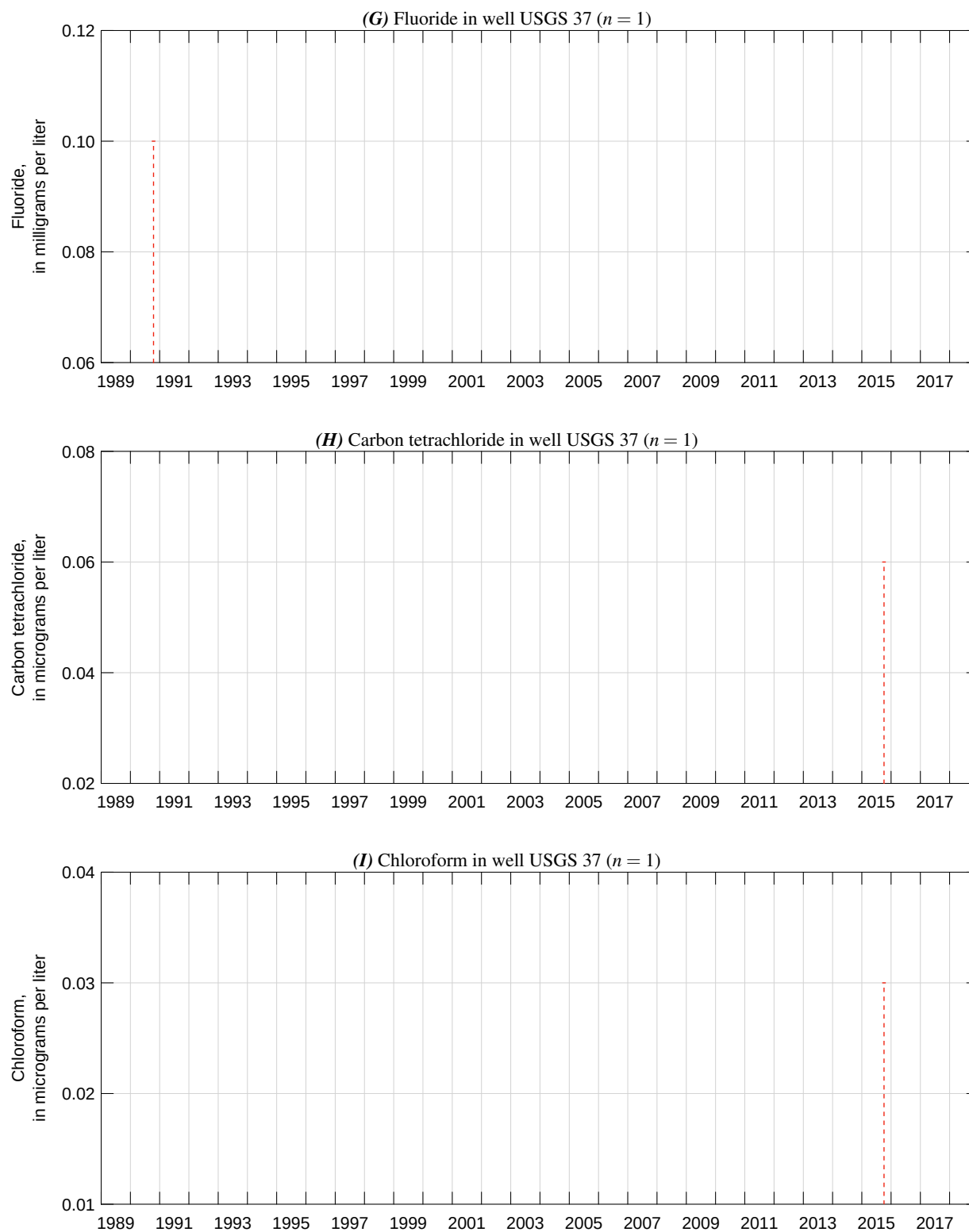


Figure 4.115. —Continued

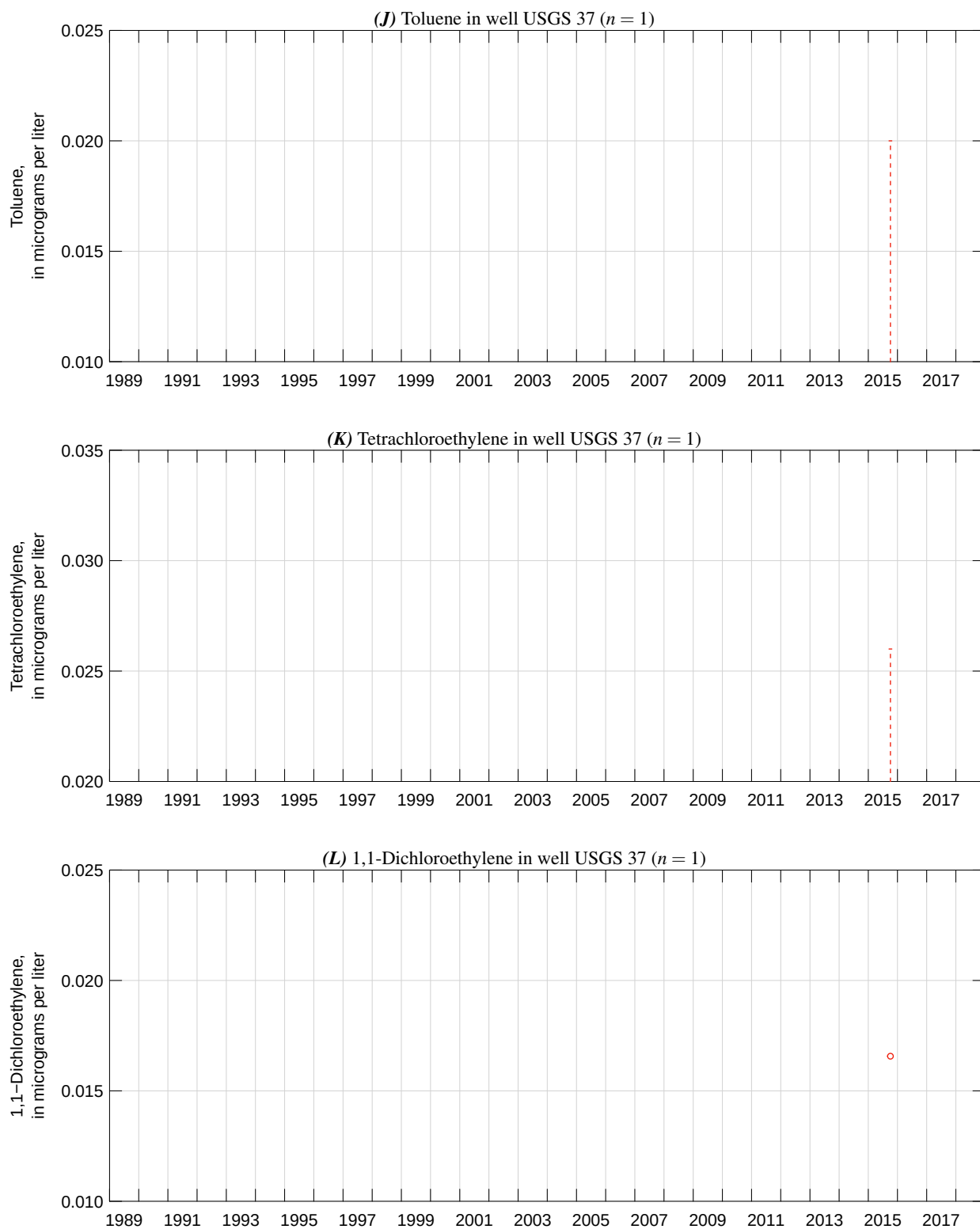


Figure 4.115. —Continued

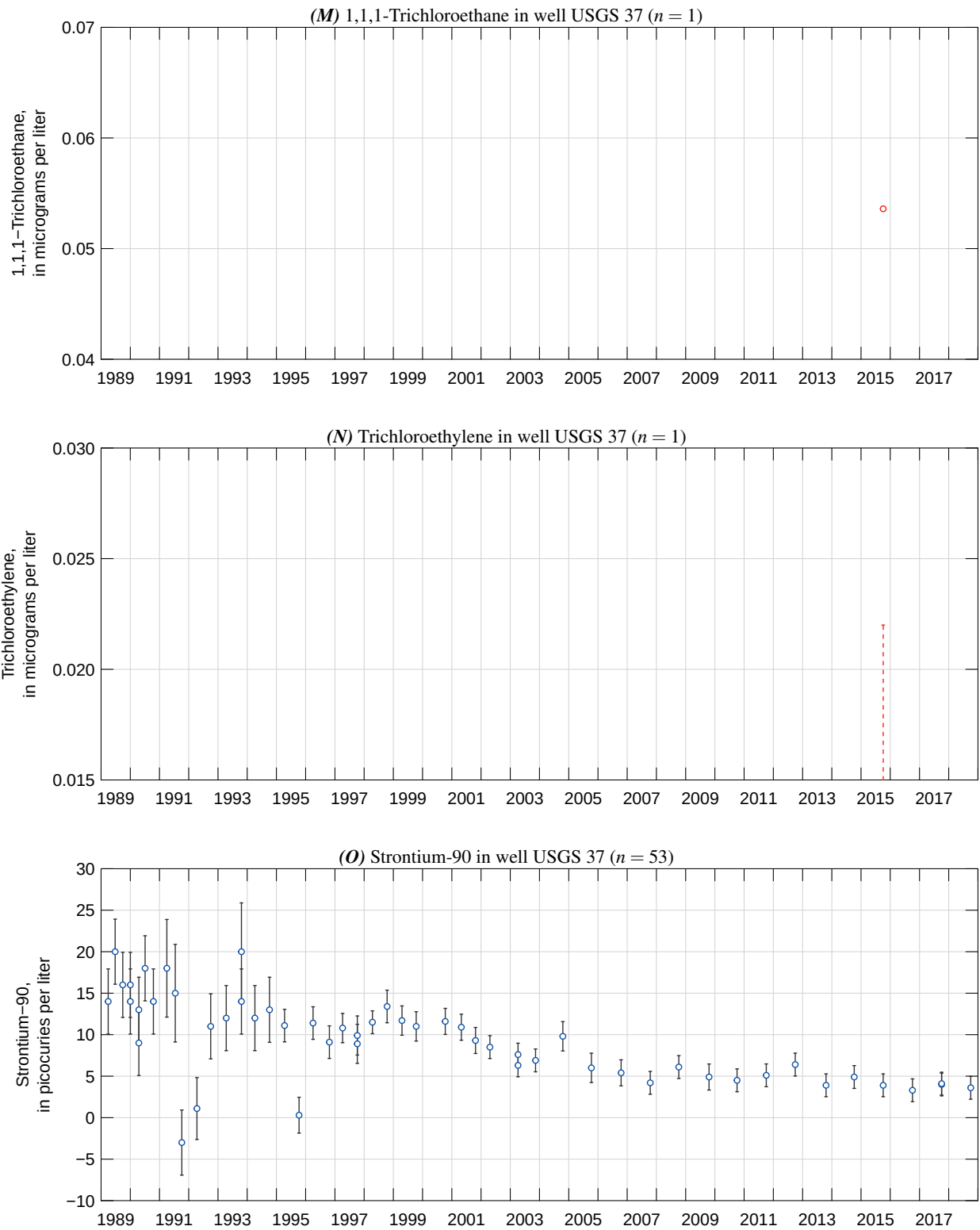
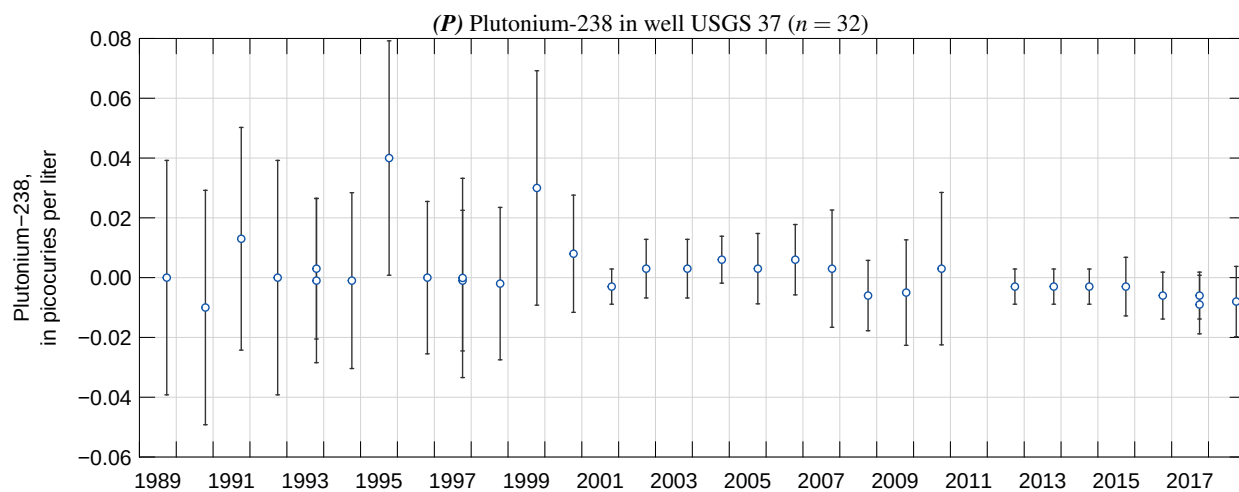


Figure 4.115. —Continued

**Figure 4.115.** —Continued

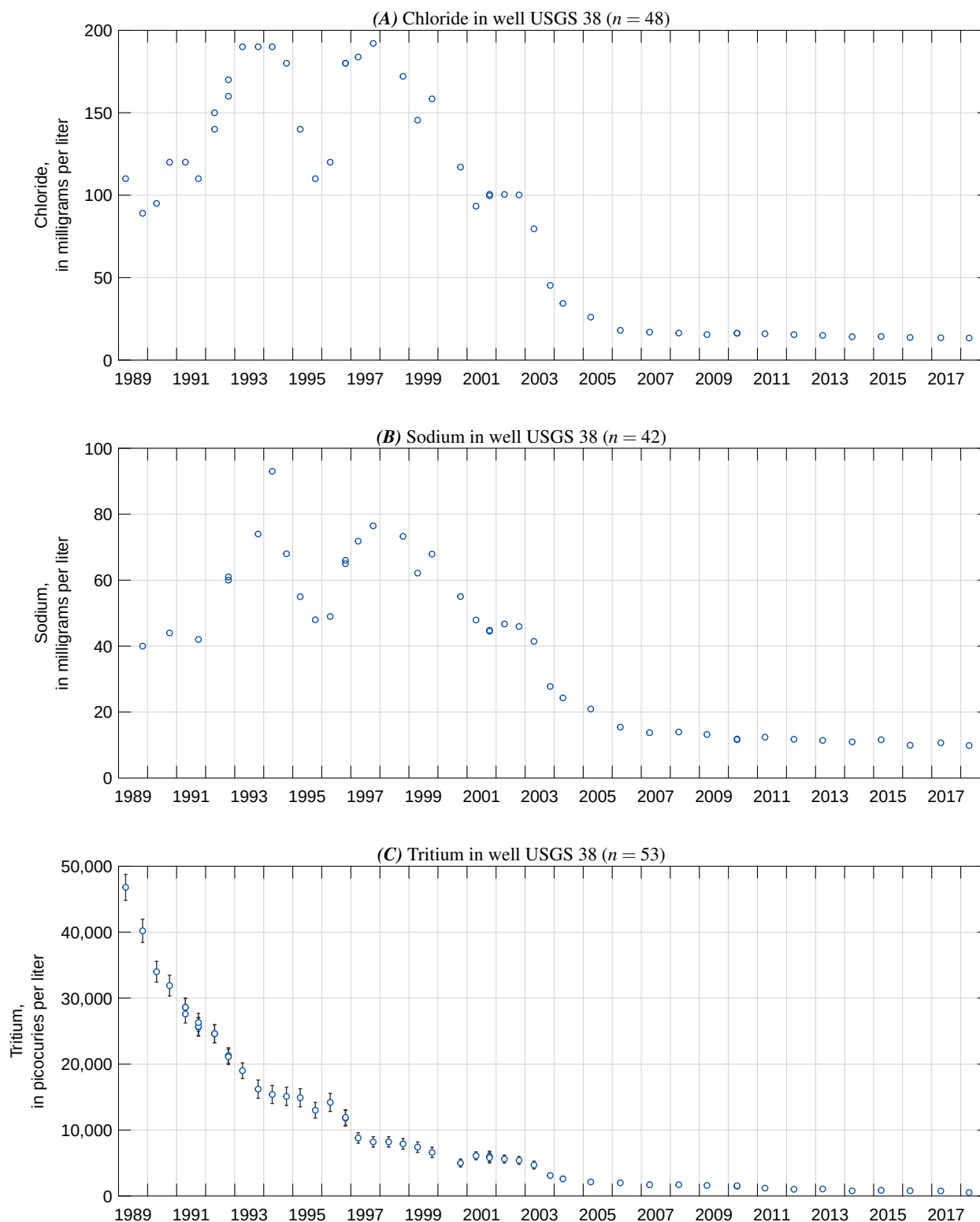


Figure 4.116. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, (R) plutonium-238, (S) alpha particle, and (T) beta particle concentrations in water collected from well USGS 38 (Site No. 433322112564301), Idaho National Laboratory, Idaho, 1989–2018.

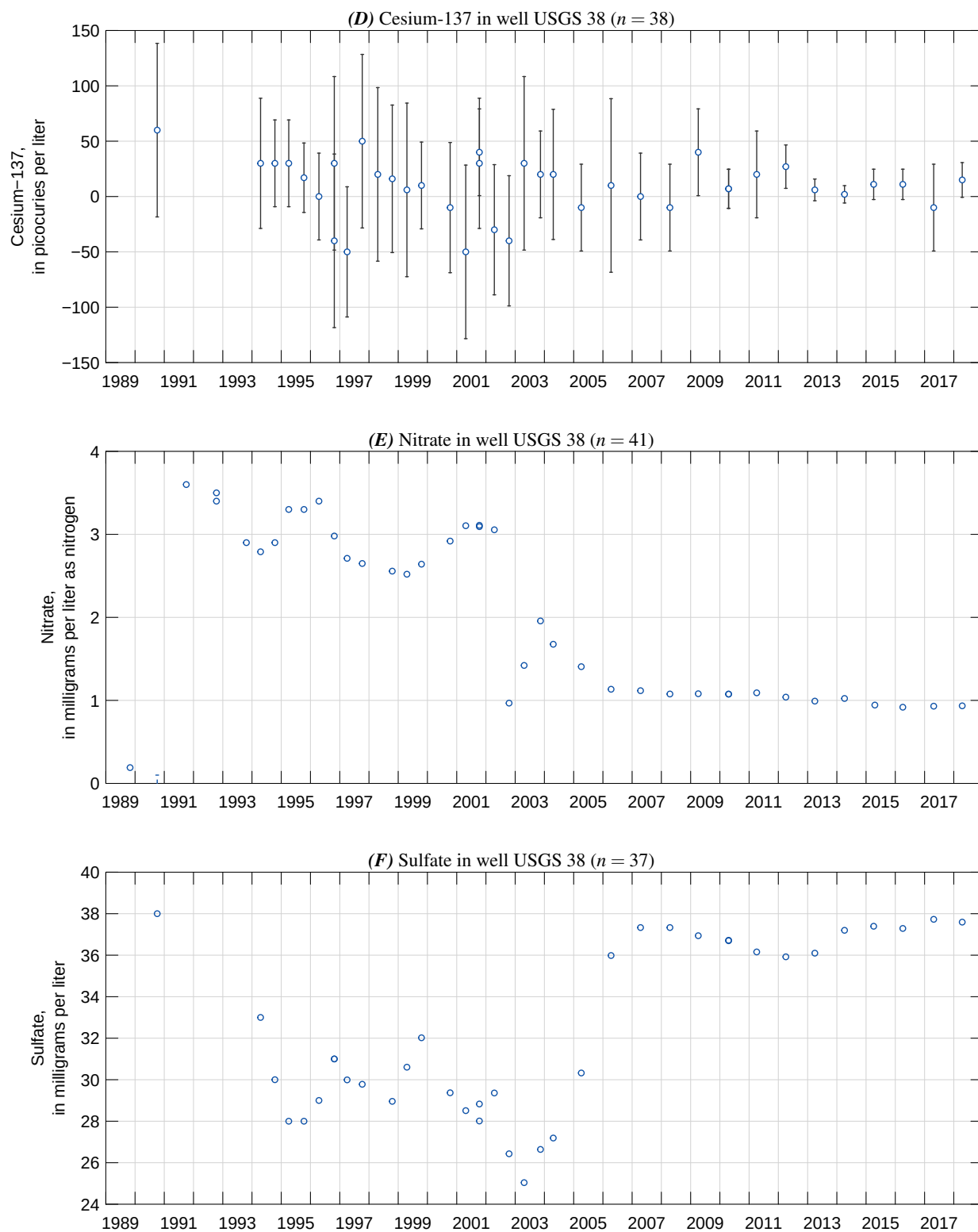


Figure 4.116. —Continued

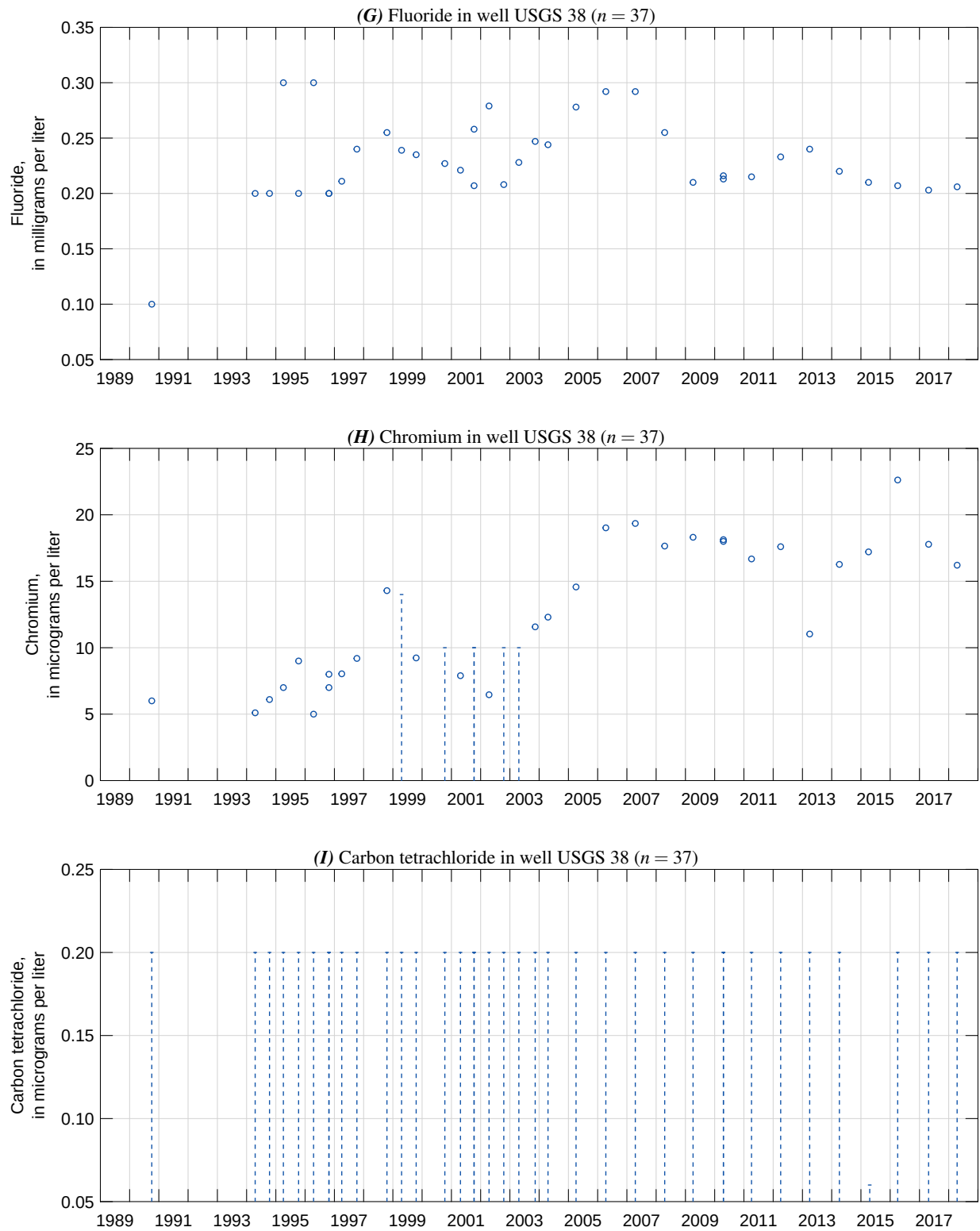


Figure 4.116. —Continued

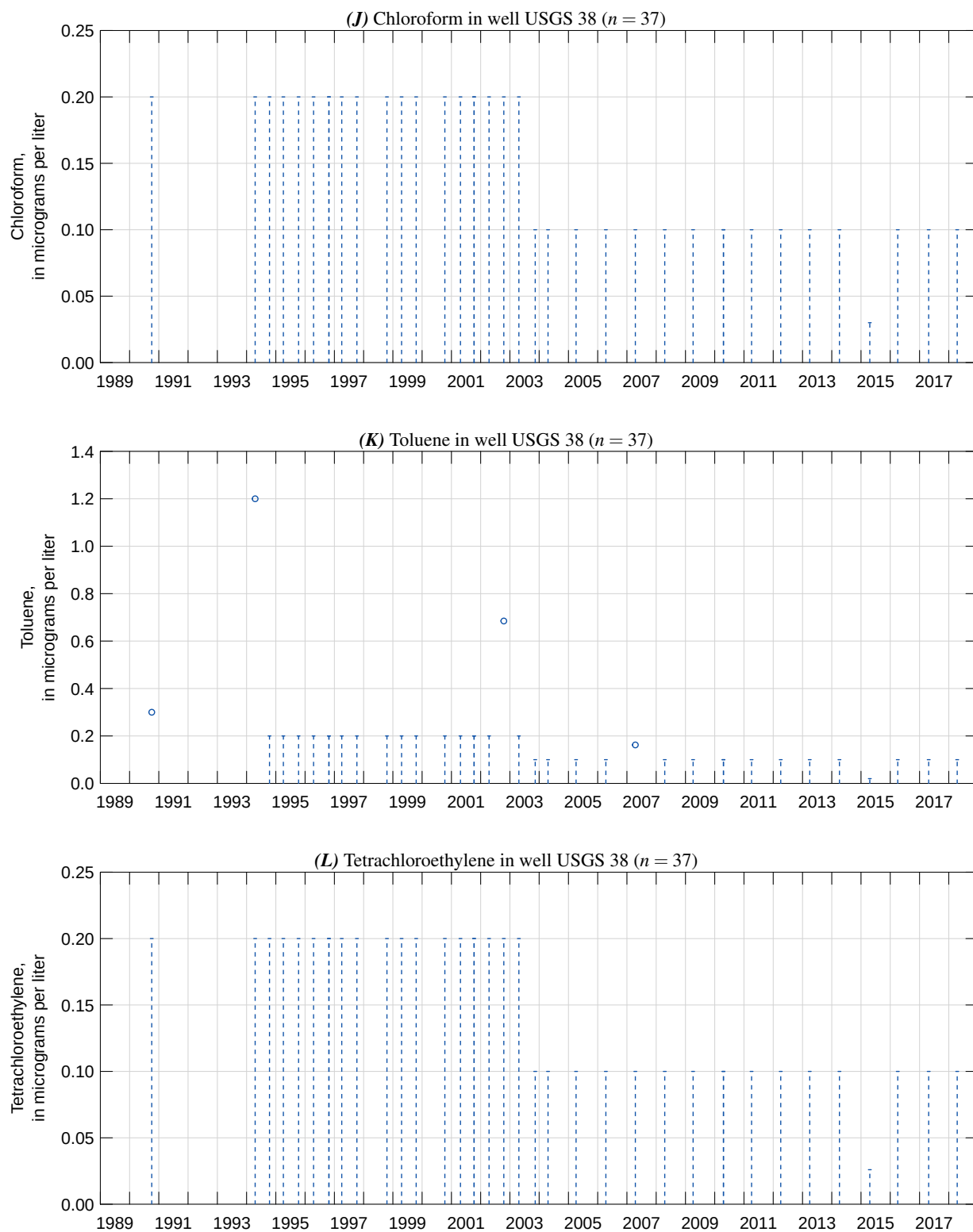


Figure 4.116. —Continued

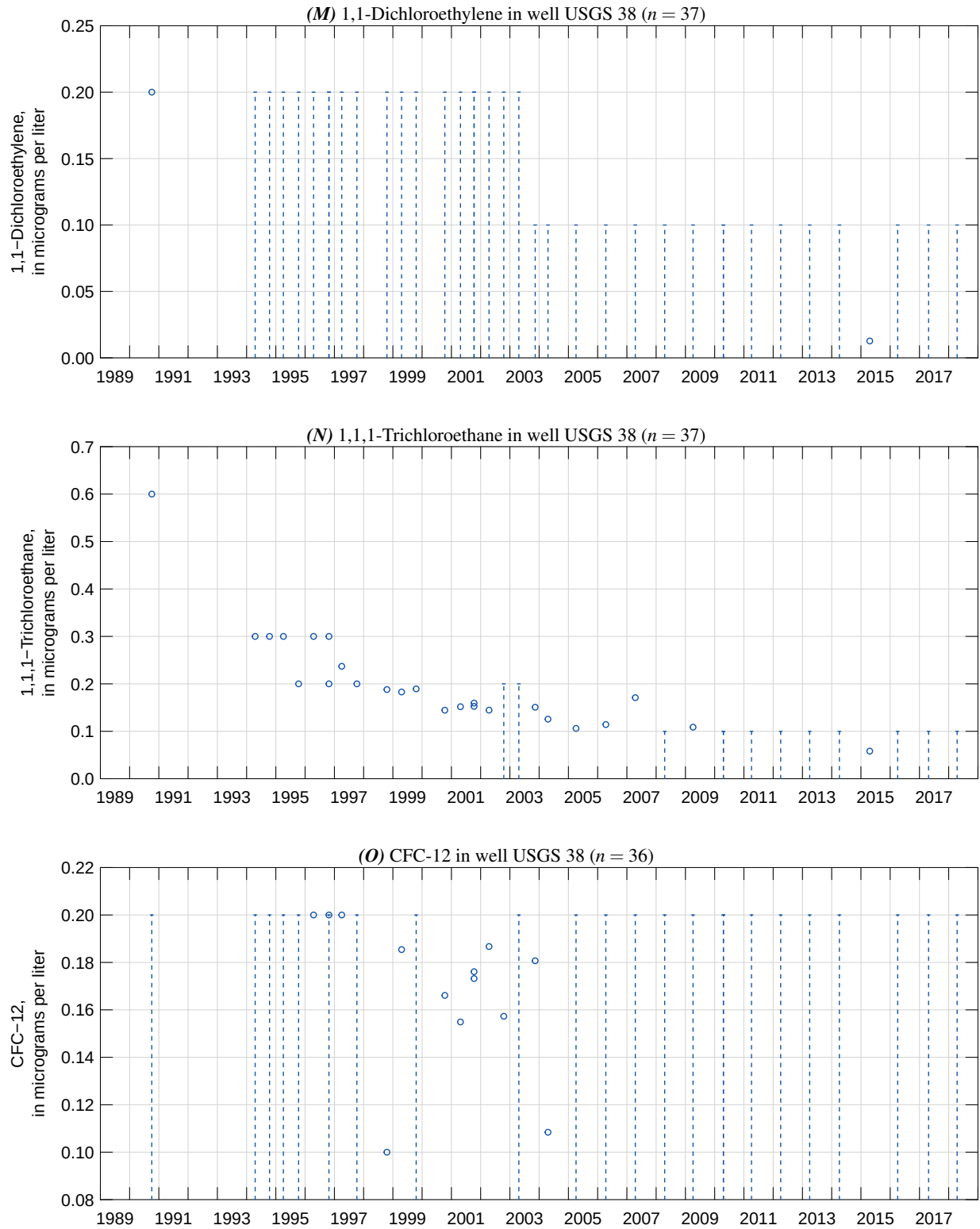


Figure 4.116. —Continued

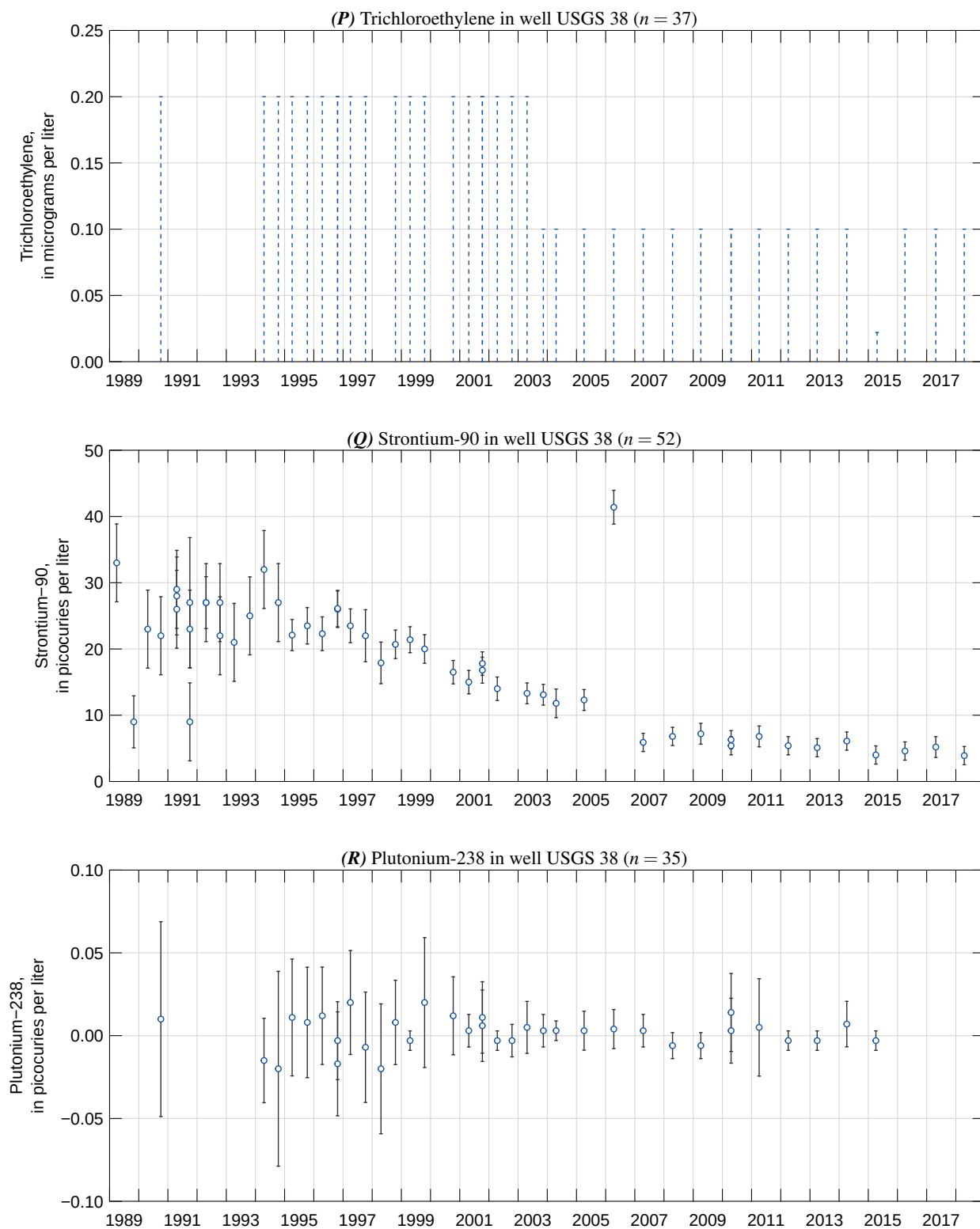


Figure 4.116. —Continued

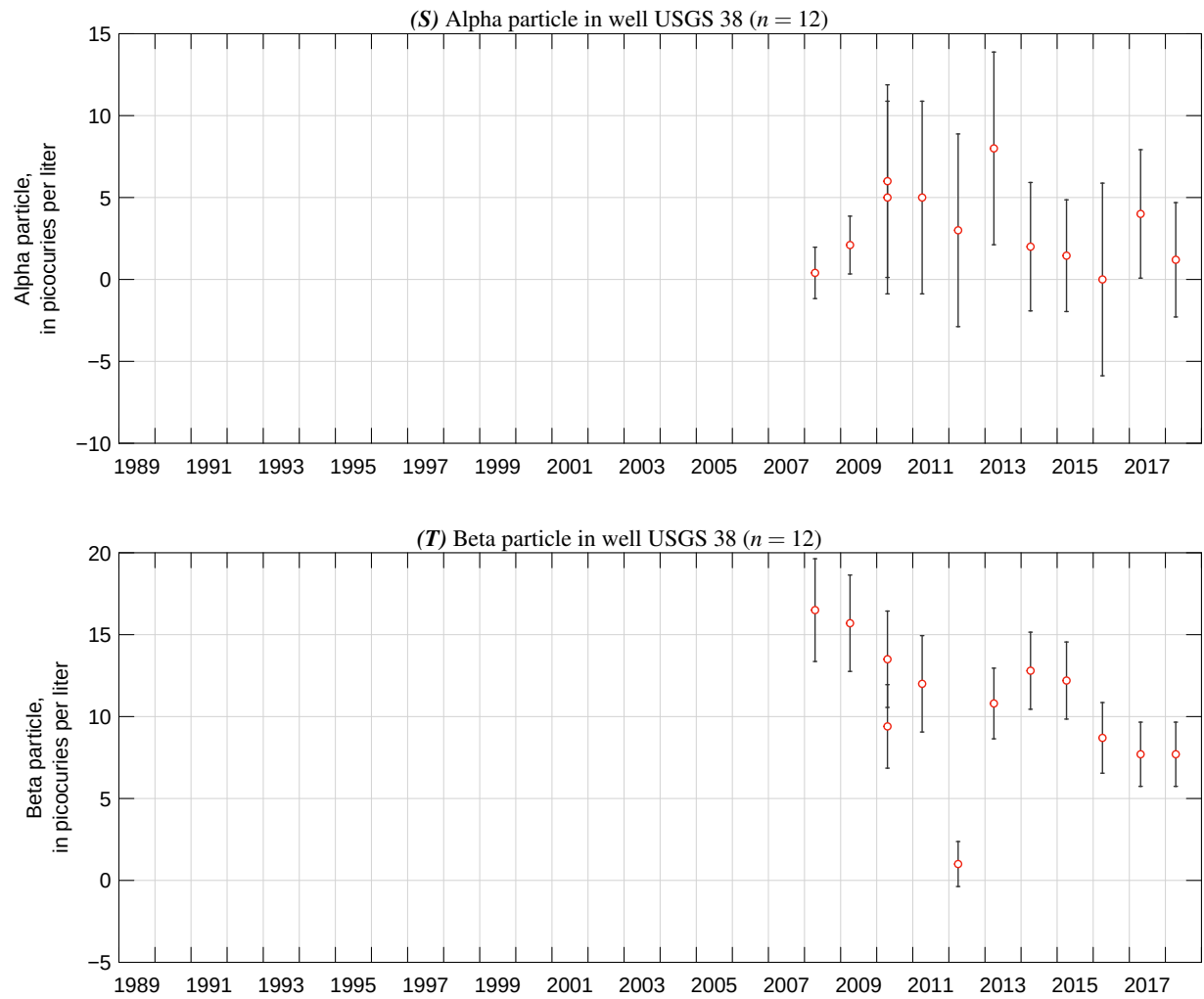


Figure 4.116. —Continued

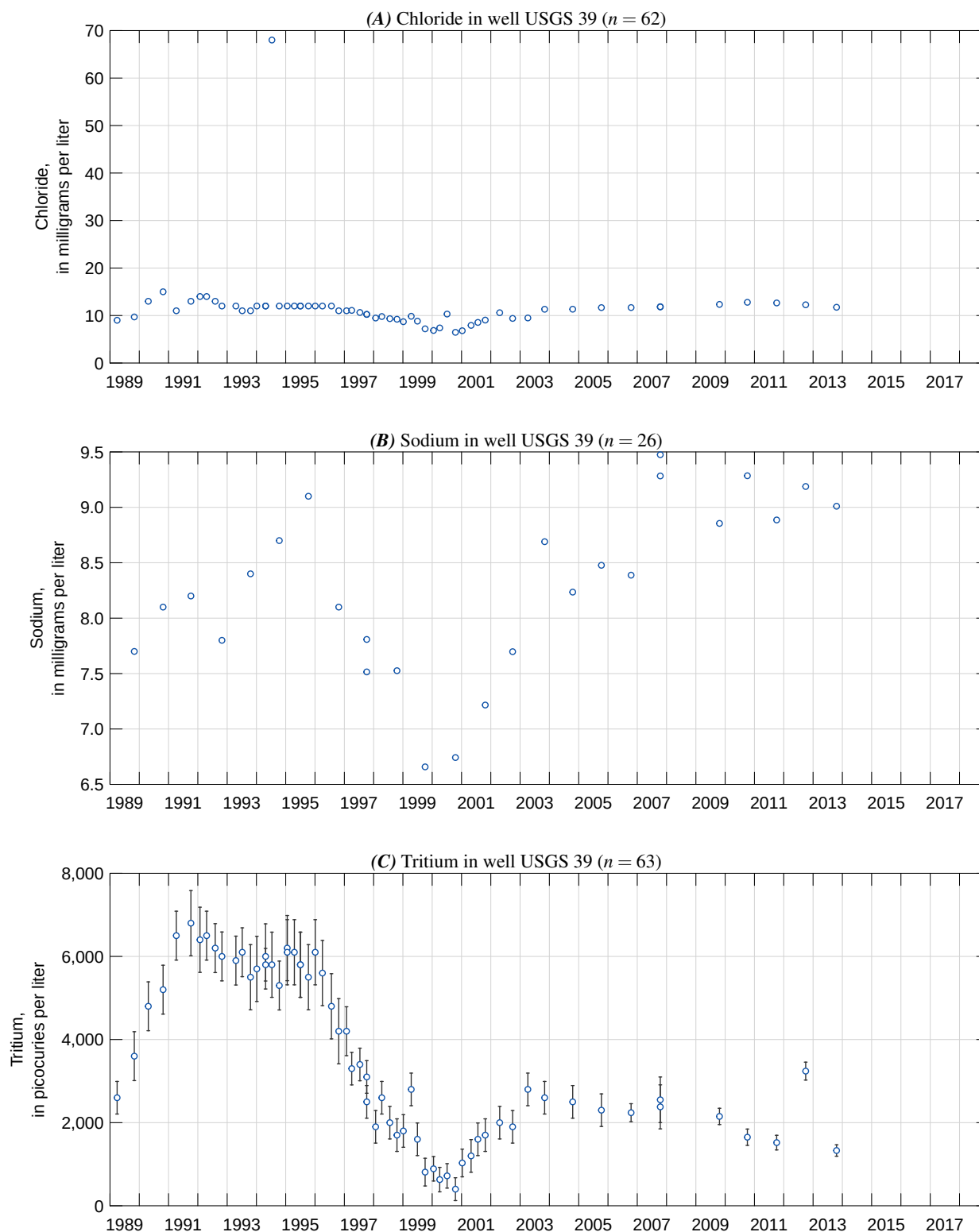


Figure 4.117. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, and (R) plutonium-238 concentrations in water collected from well USGS 39 (Site No. 433343112570001), Idaho National Laboratory, Idaho, 1989–2018.

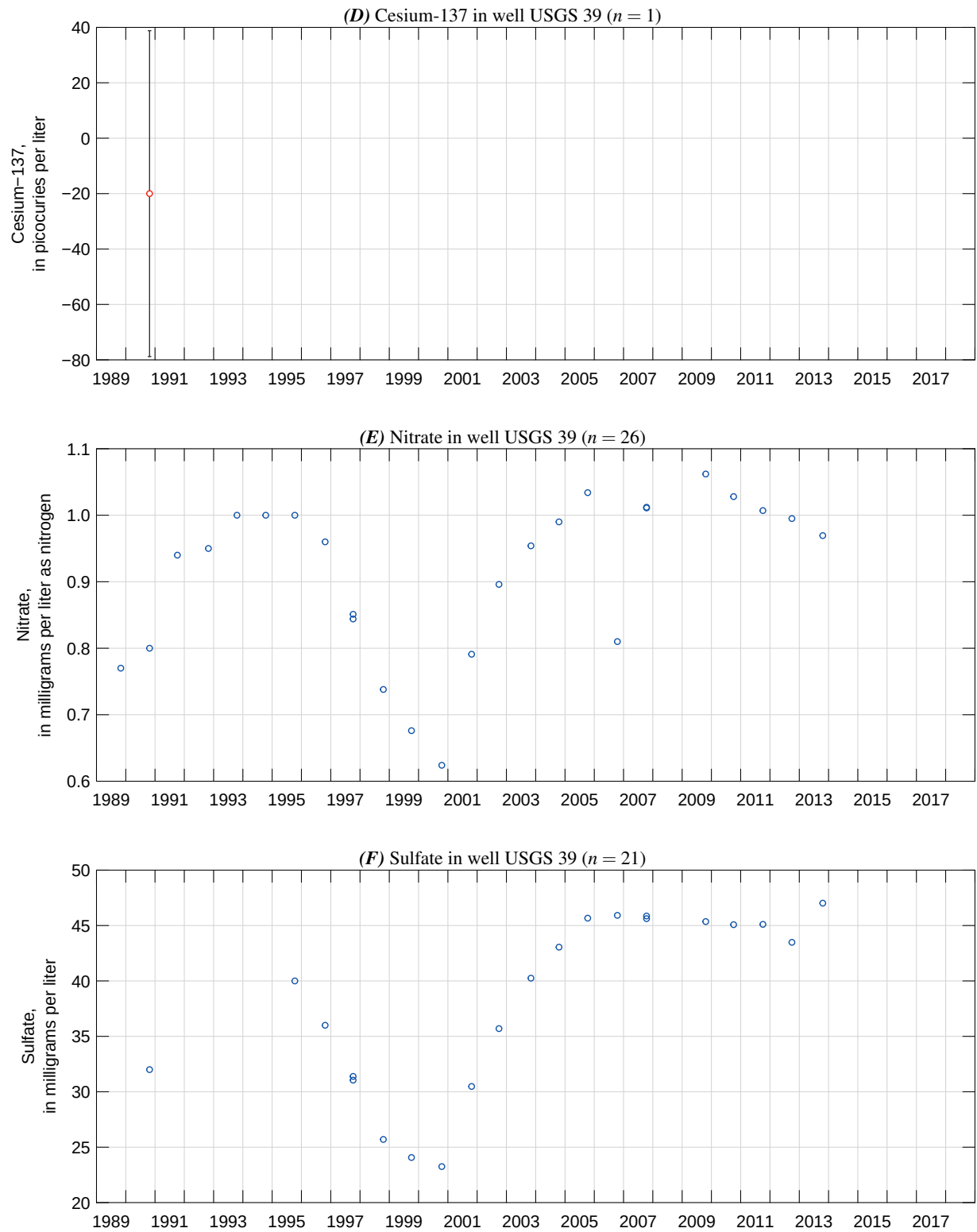


Figure 4.117. —Continued

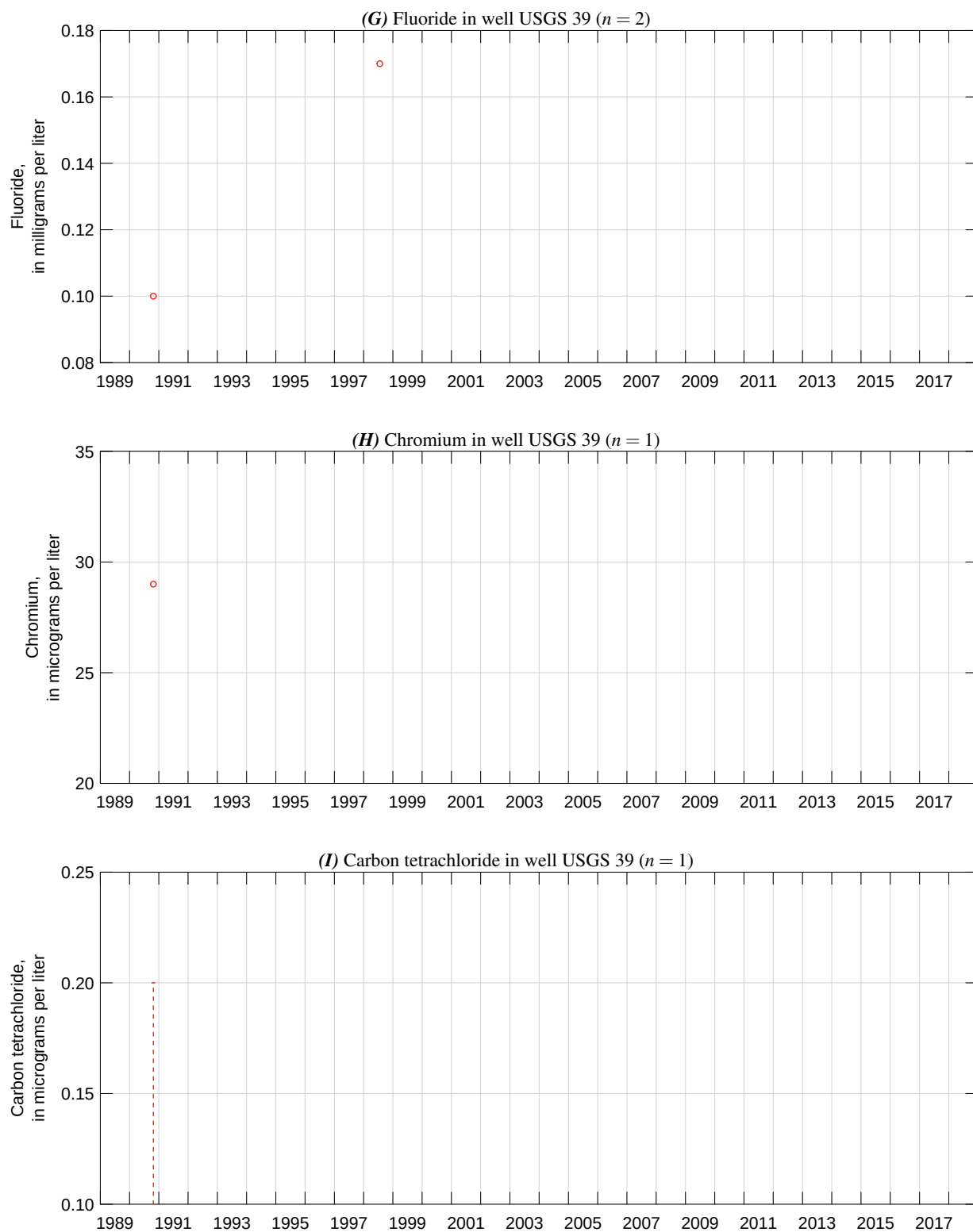


Figure 4.117. —Continued

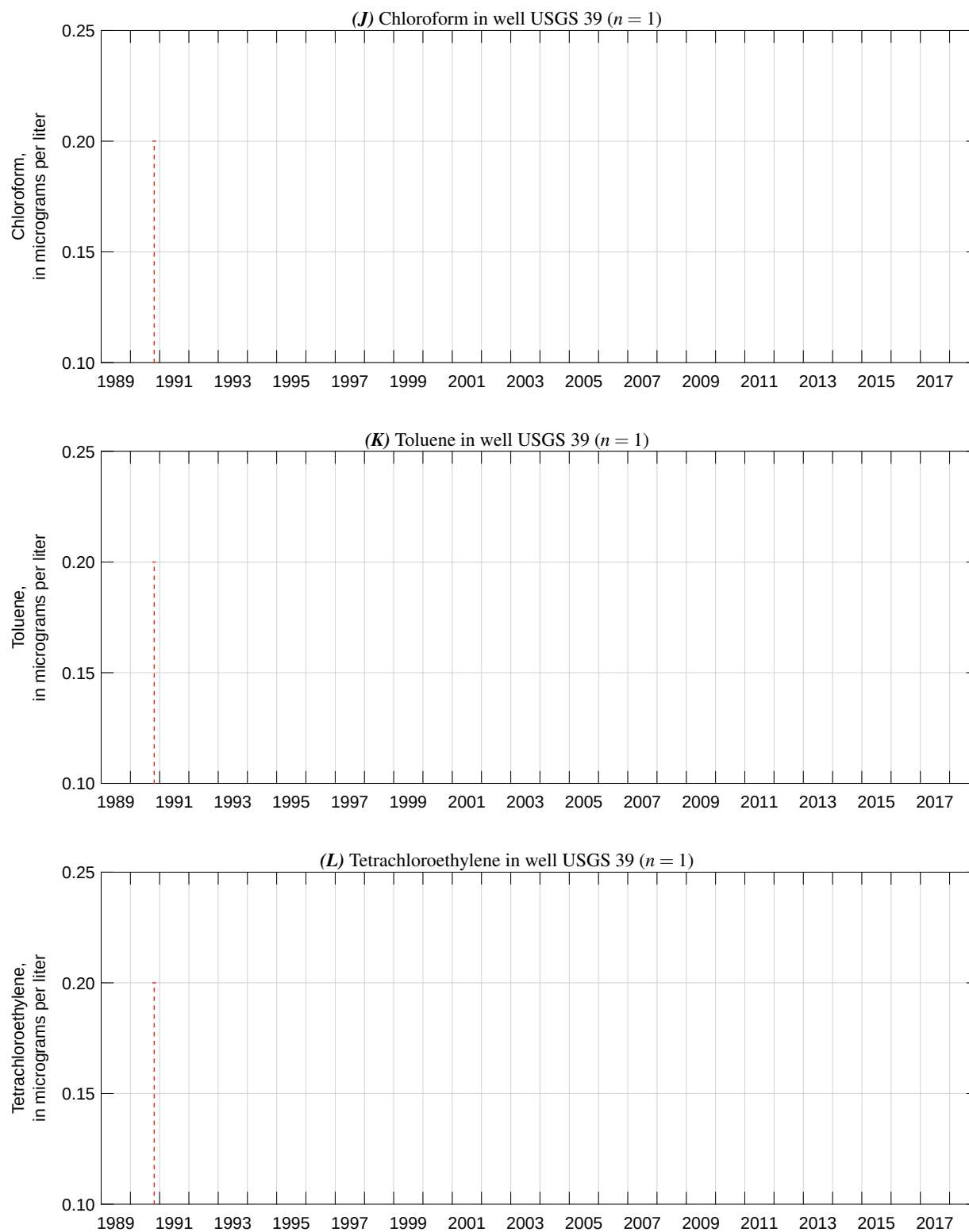


Figure 4.117. —Continued

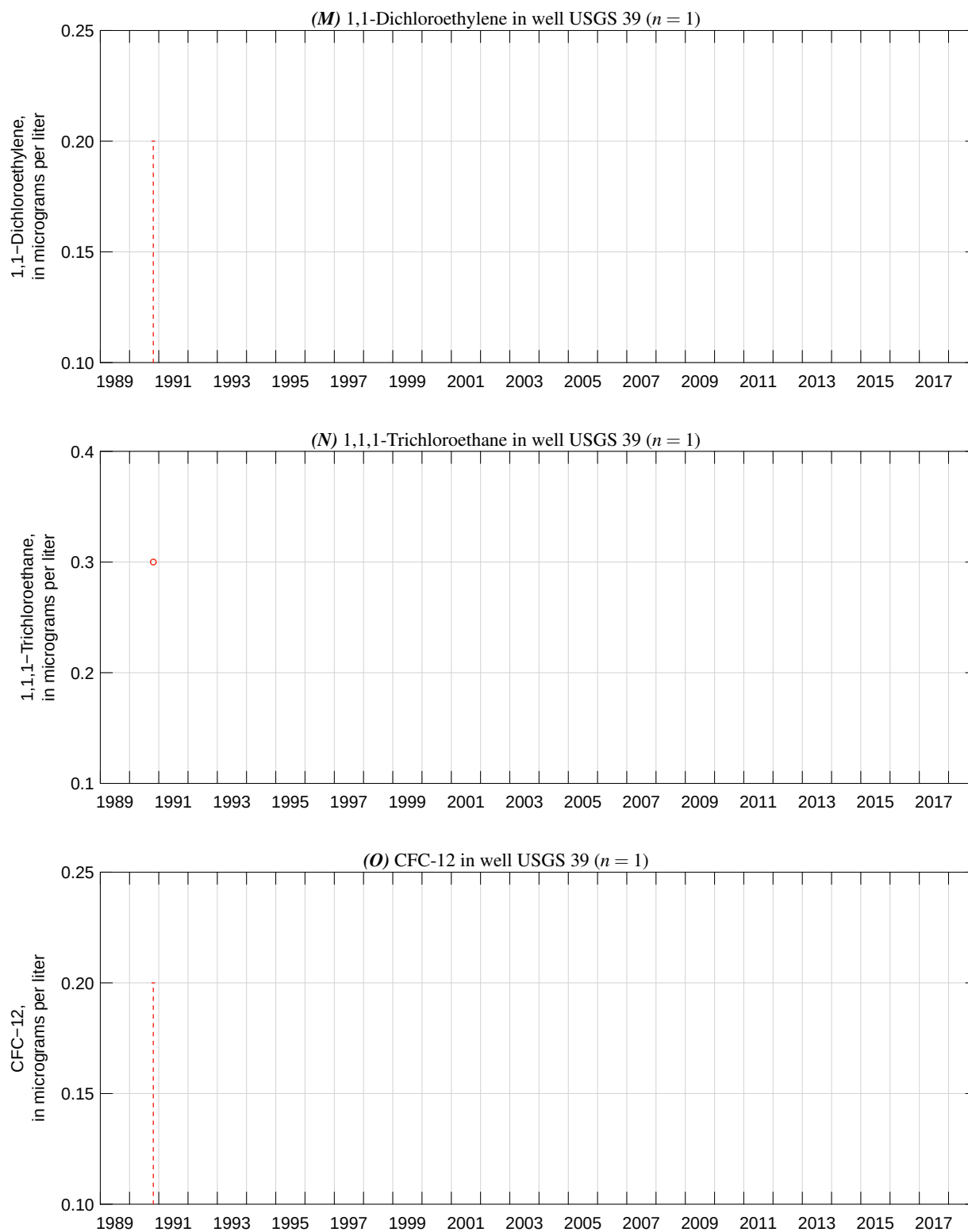


Figure 4.117. —Continued

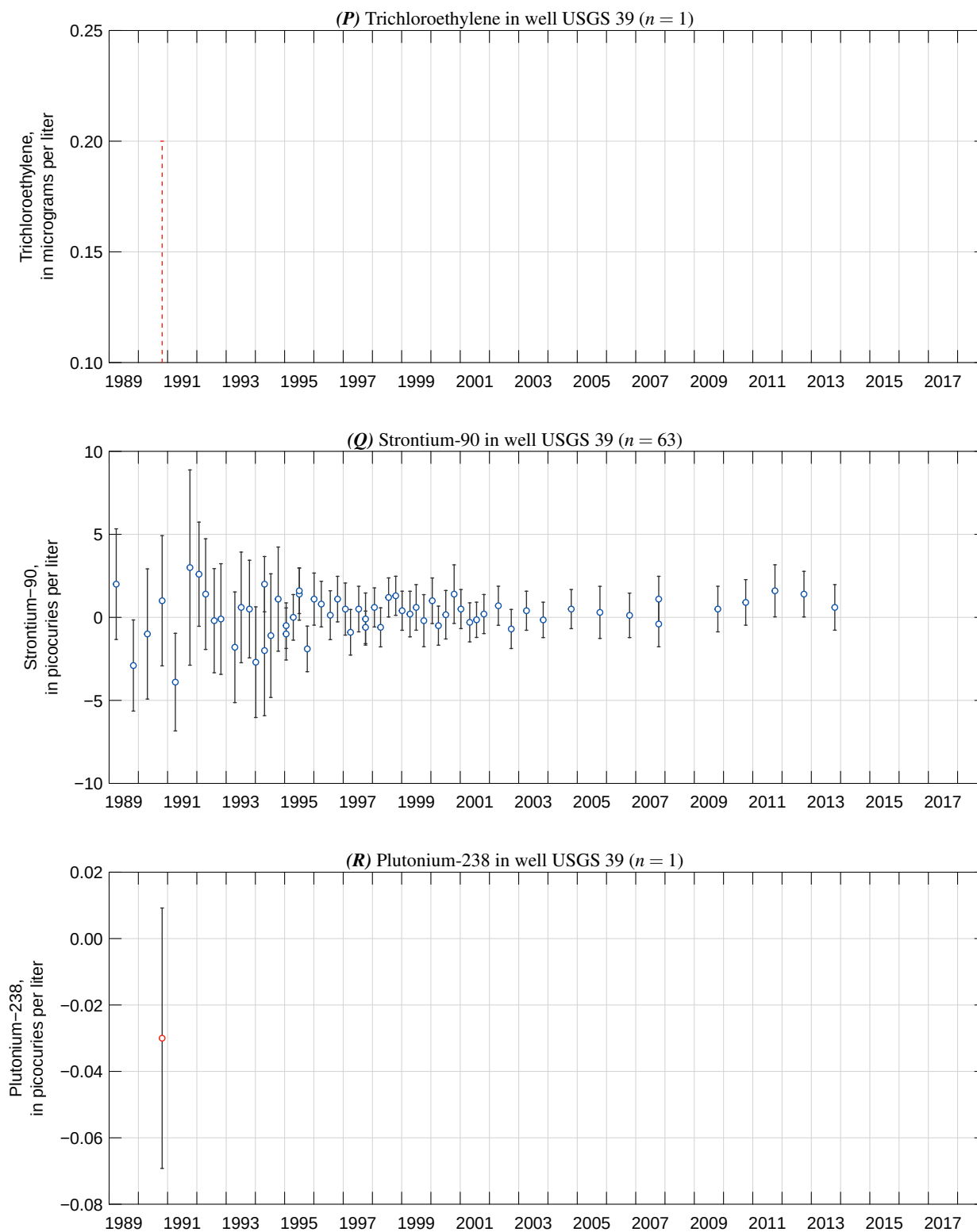


Figure 4.117. —Continued

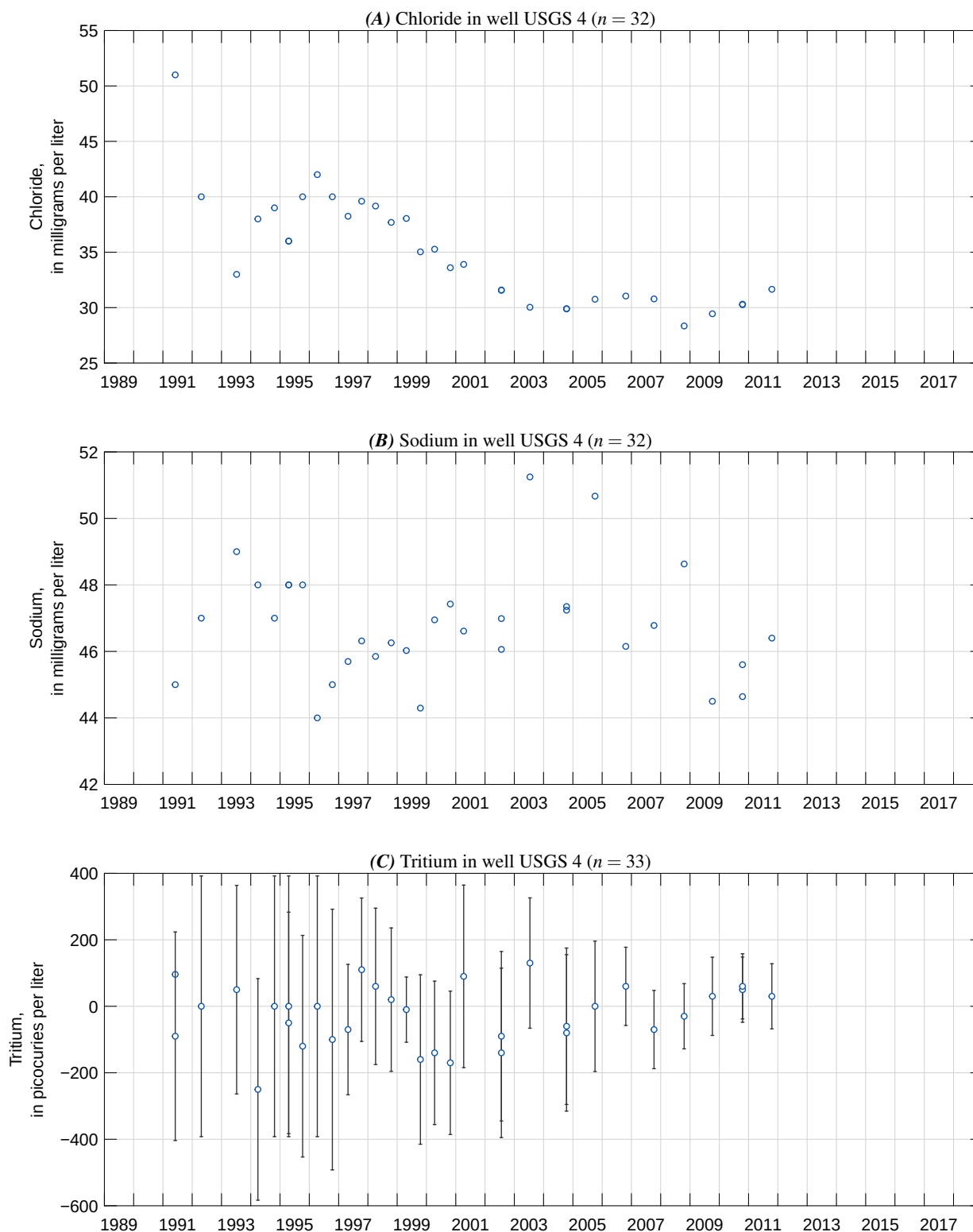


Figure 4.118. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, (R) plutonium-238, (S) alpha particle, and (T) beta particle concentrations in water collected from well USGS 4 (Site No. 434657112282201), Idaho National Laboratory, Idaho, 1989–2018.

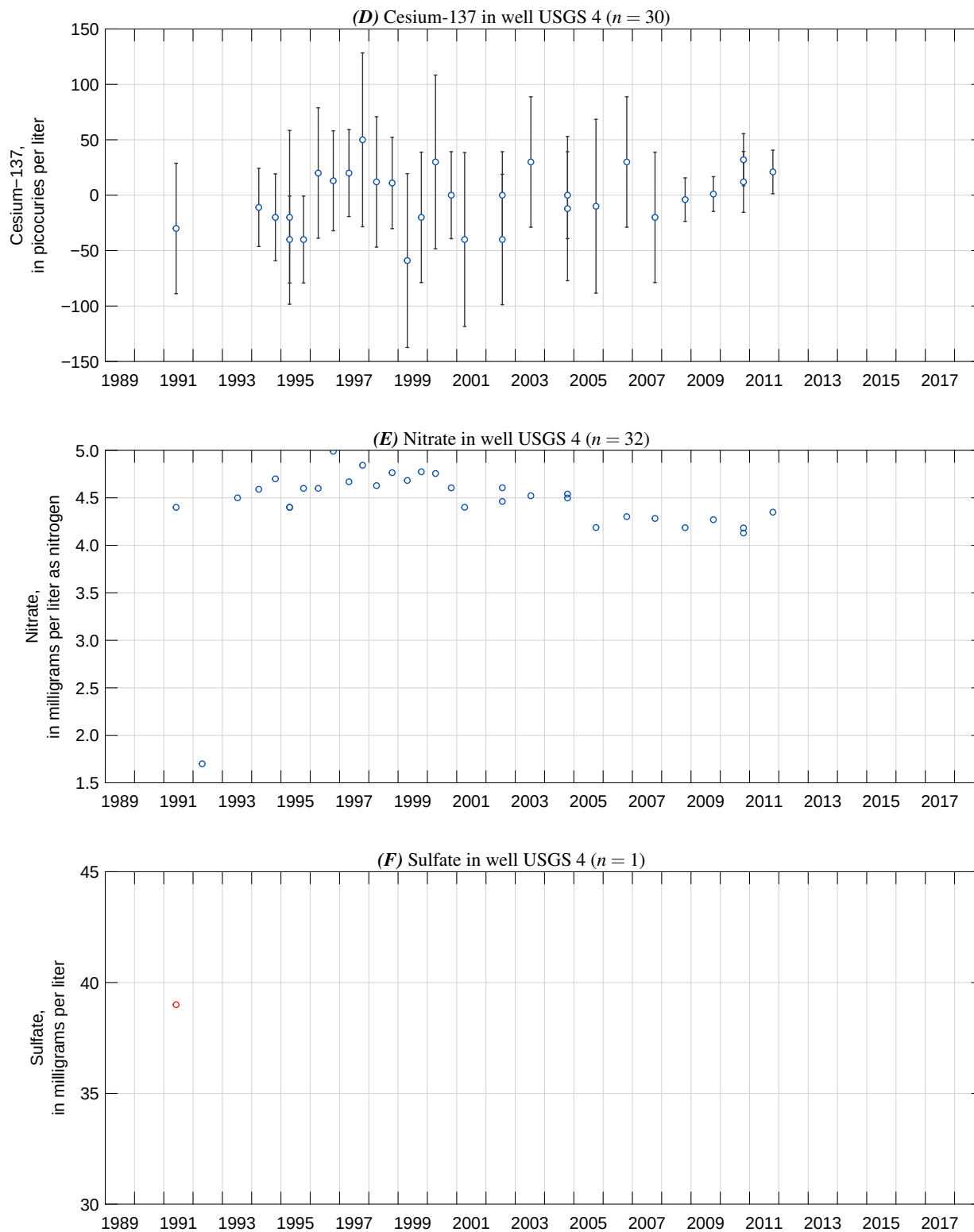


Figure 4.118. —Continued

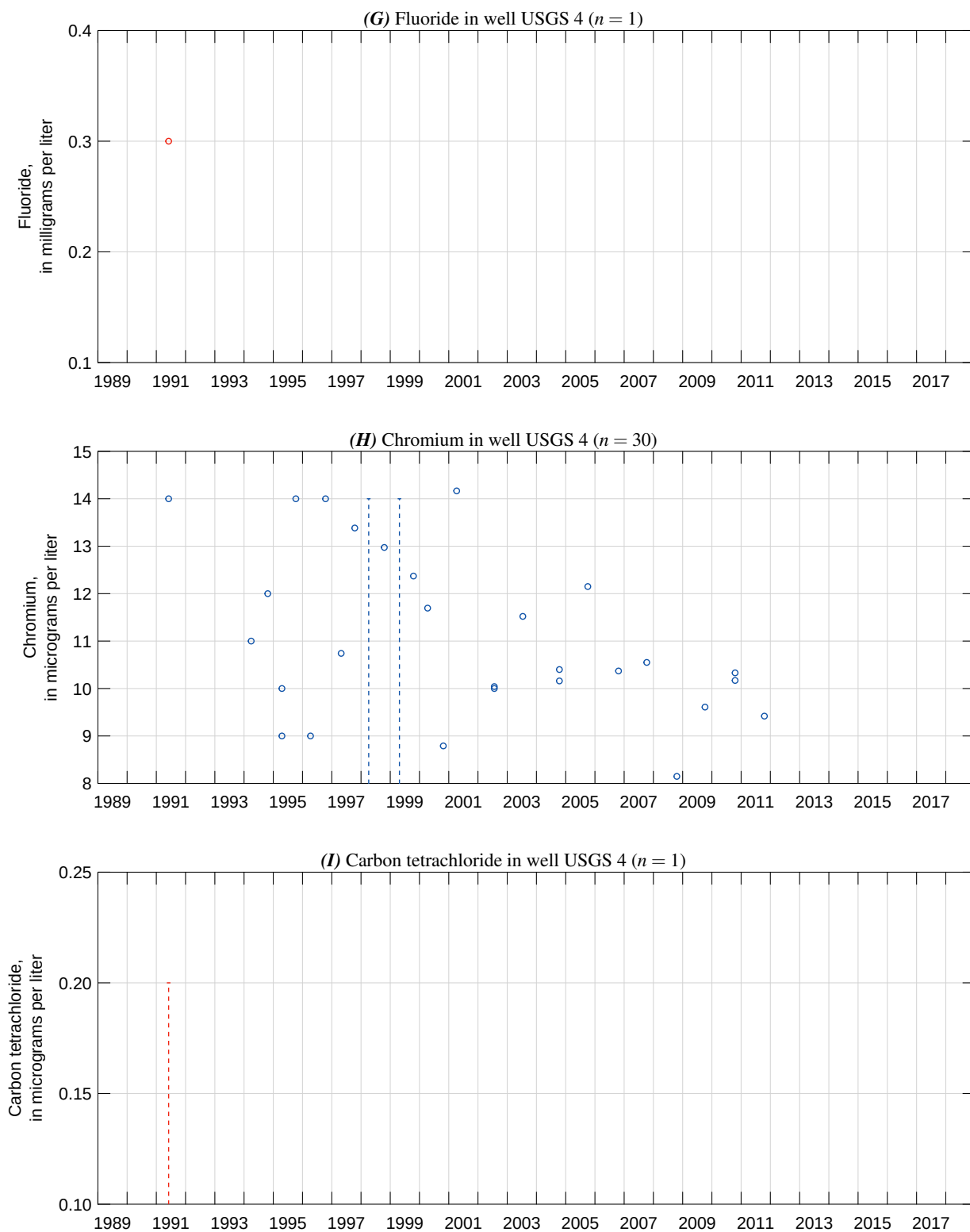


Figure 4.118. —Continued

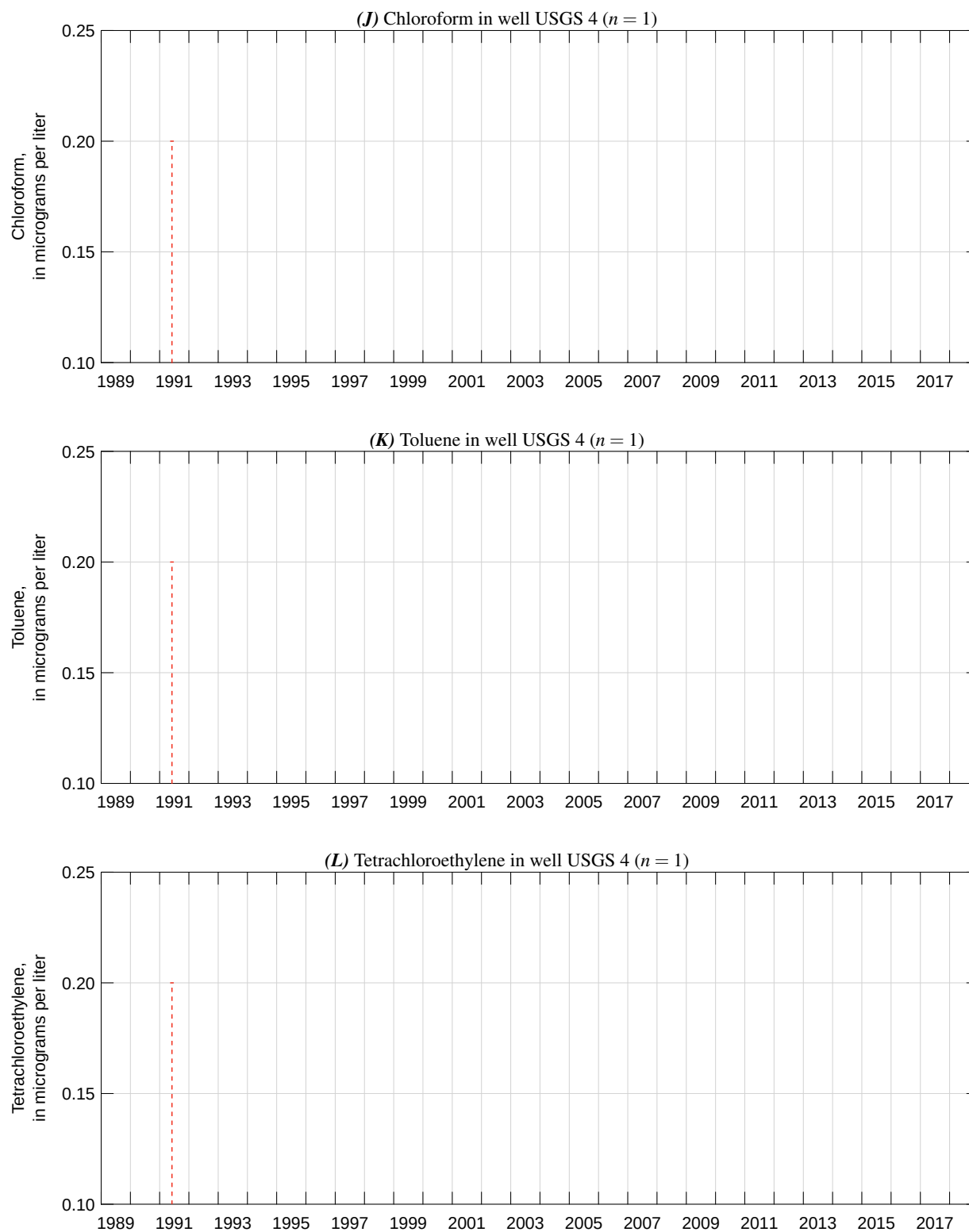


Figure 4.118. —Continued

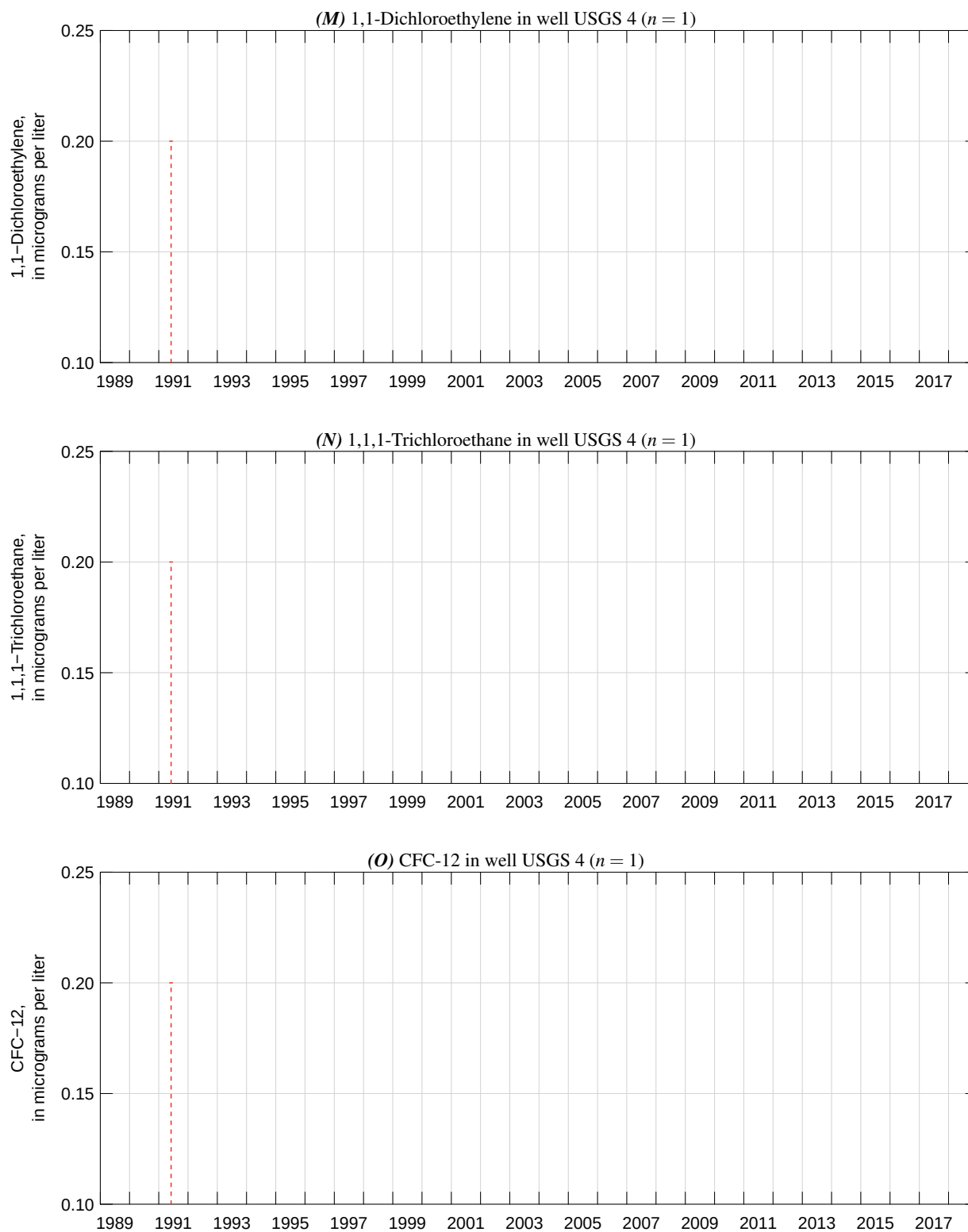


Figure 4.118. —Continued

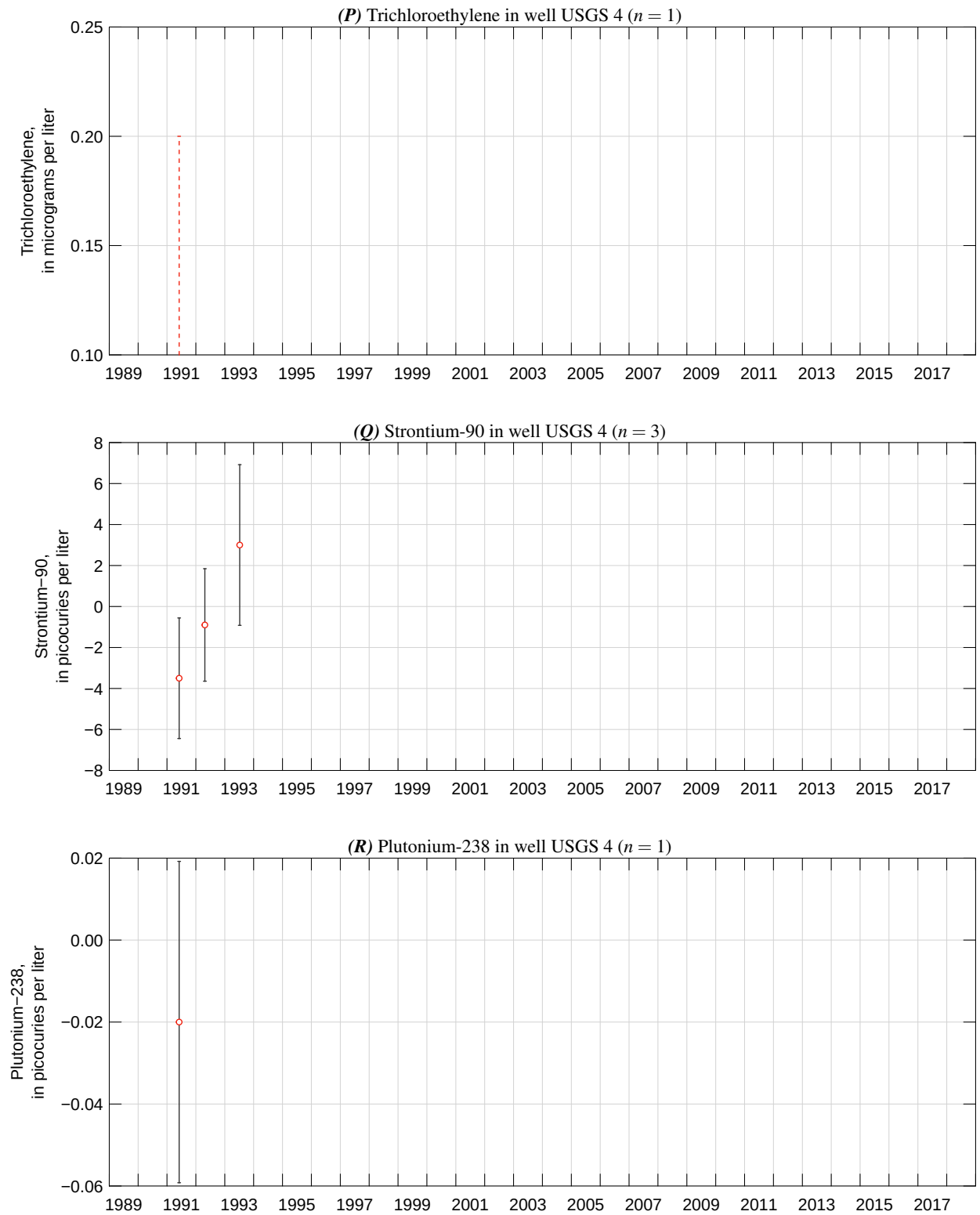


Figure 4.118. —Continued

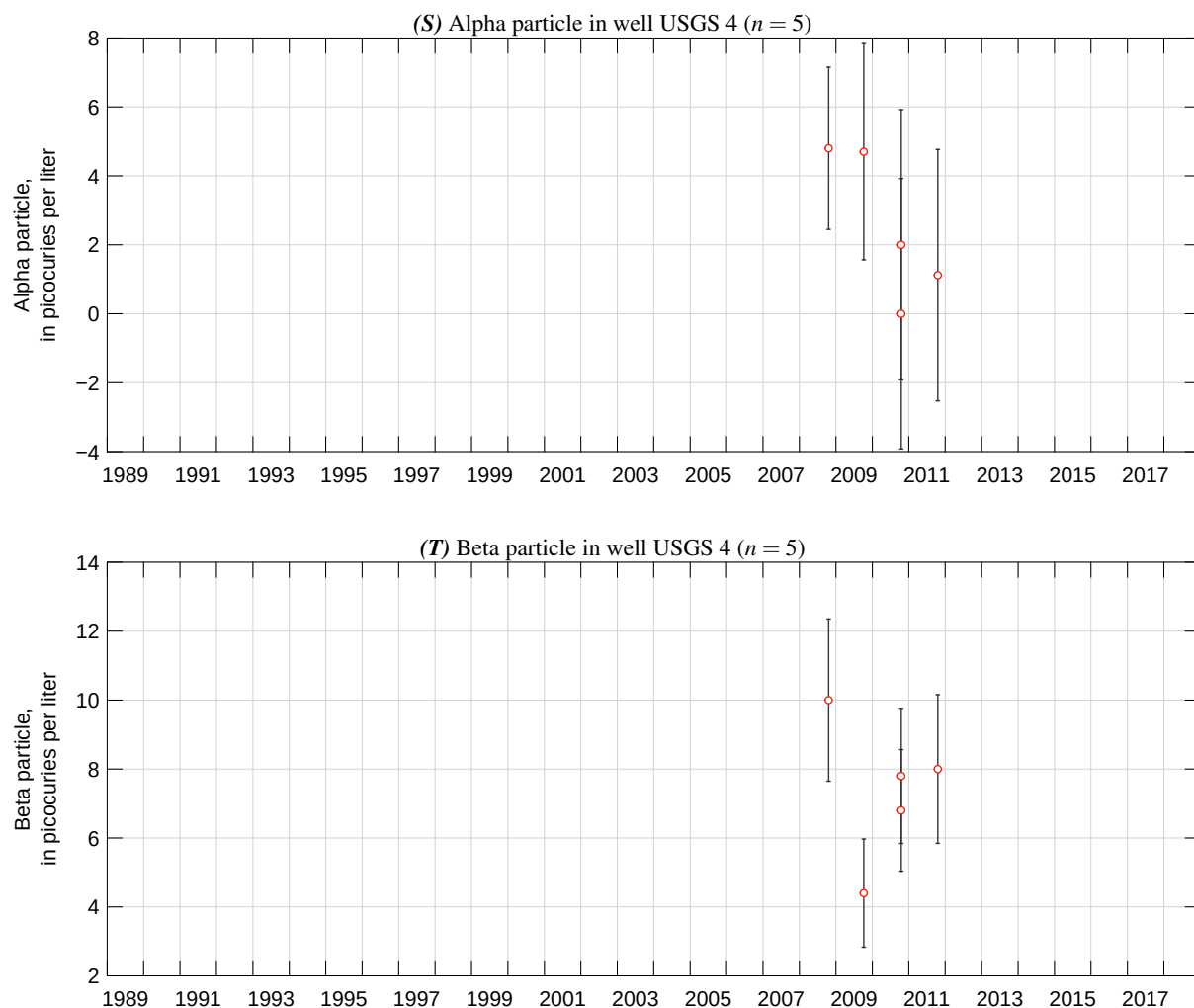


Figure 4.118. —Continued

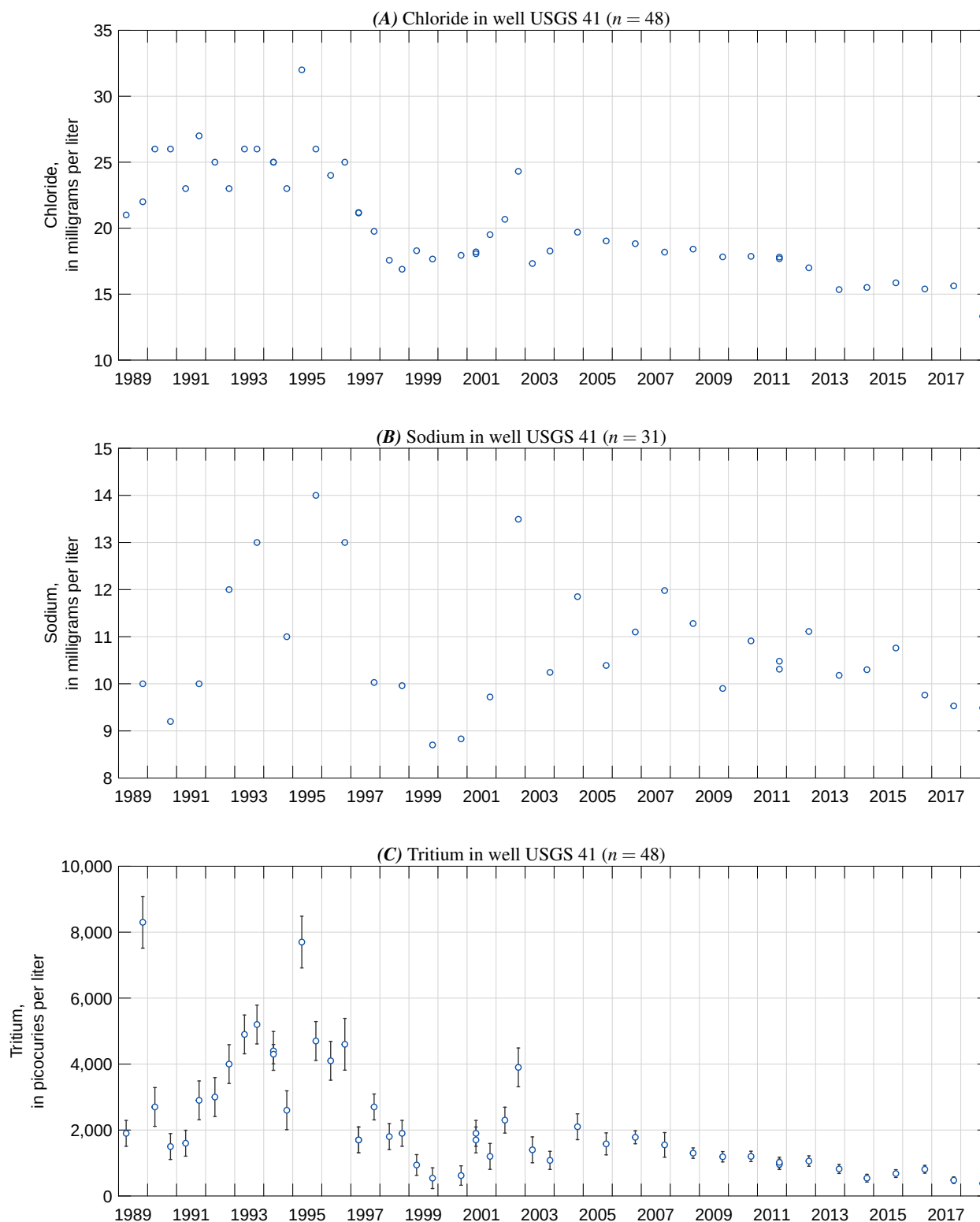


Figure 4.119. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, and (R) plutonium-238 concentrations in water collected from well USGS 41 (Site No. 433409112561301), Idaho National Laboratory, Idaho, 1989–2018.

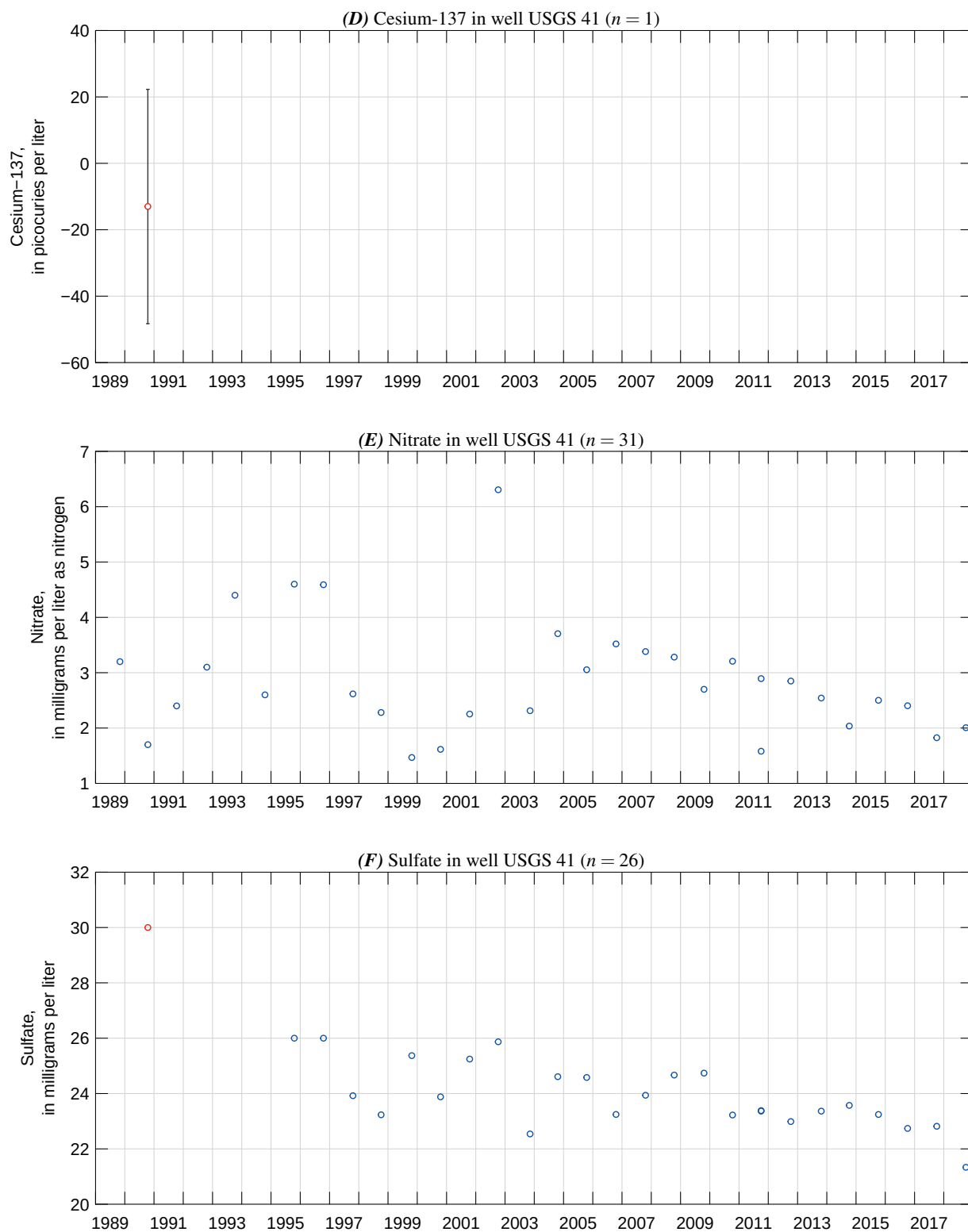


Figure 4.119. —Continued

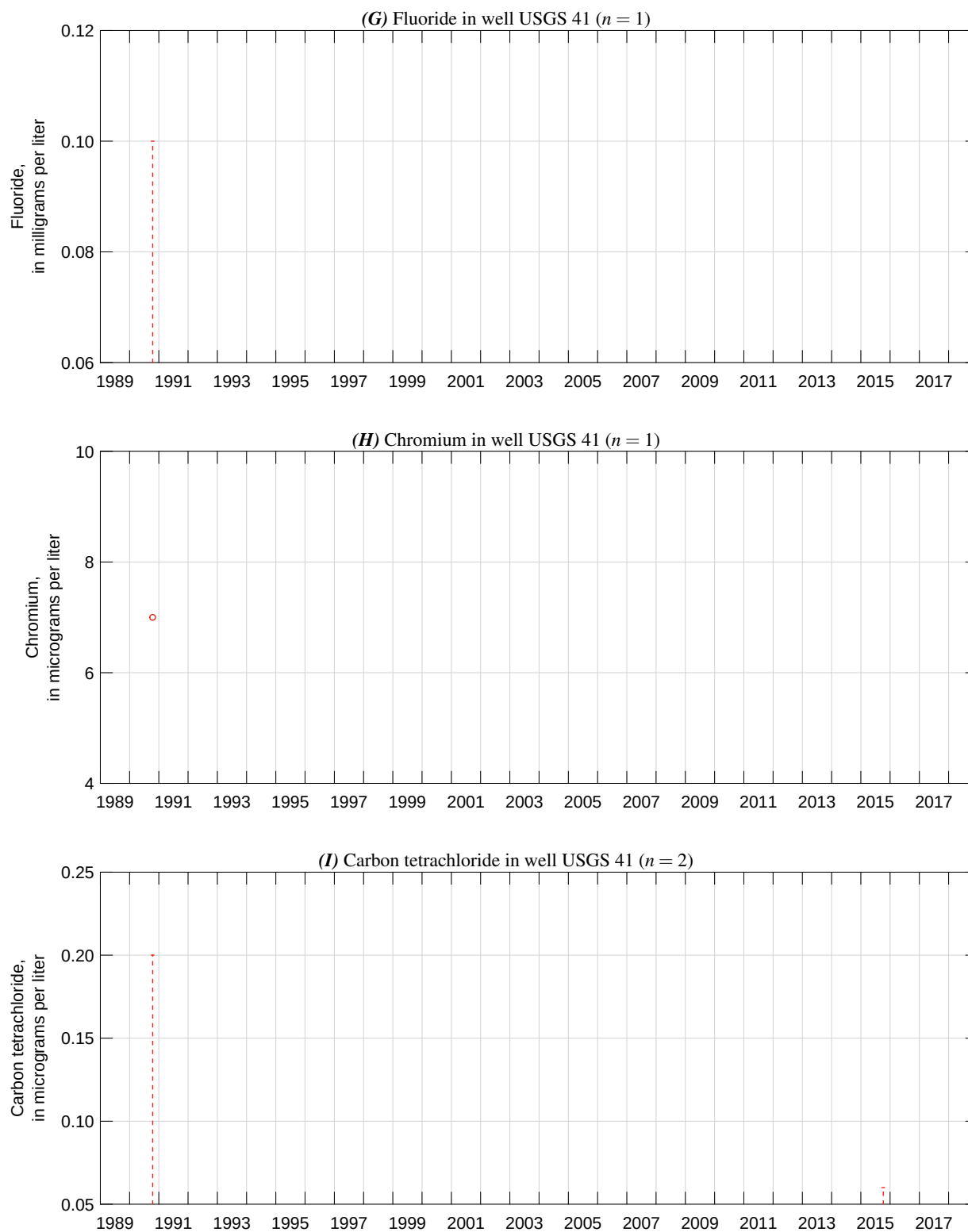


Figure 4.119. —Continued

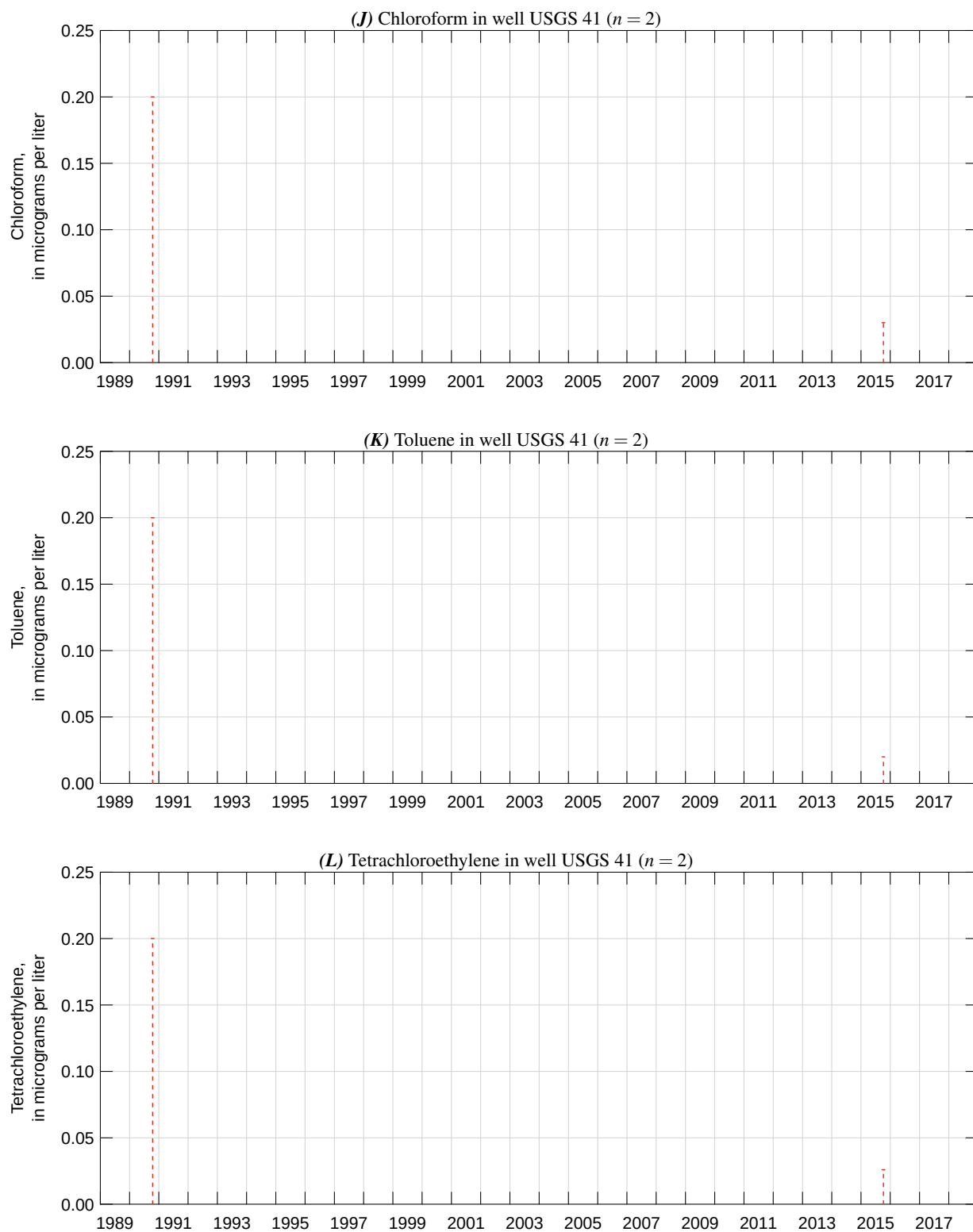


Figure 4.119. —Continued

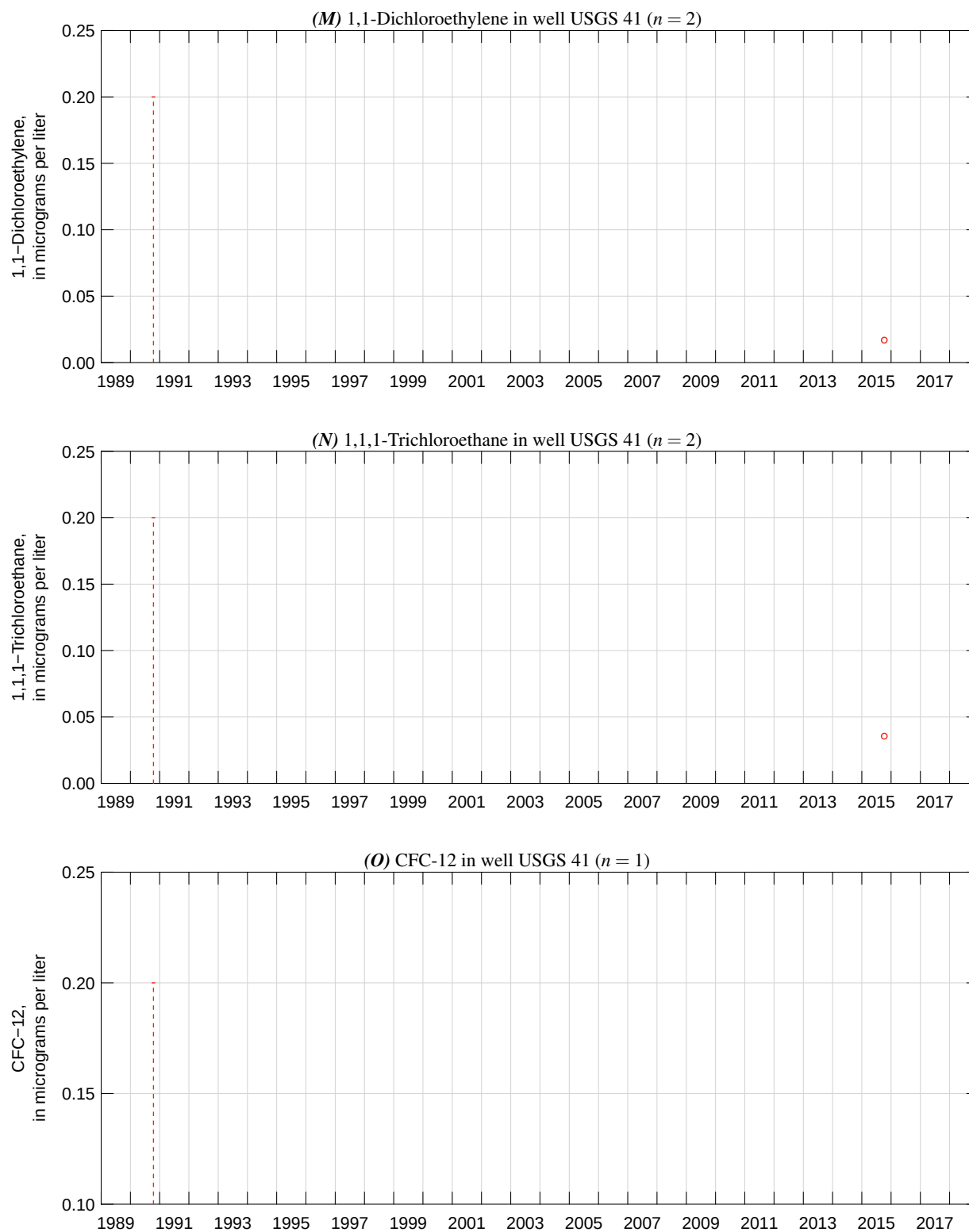


Figure 4.119. —Continued

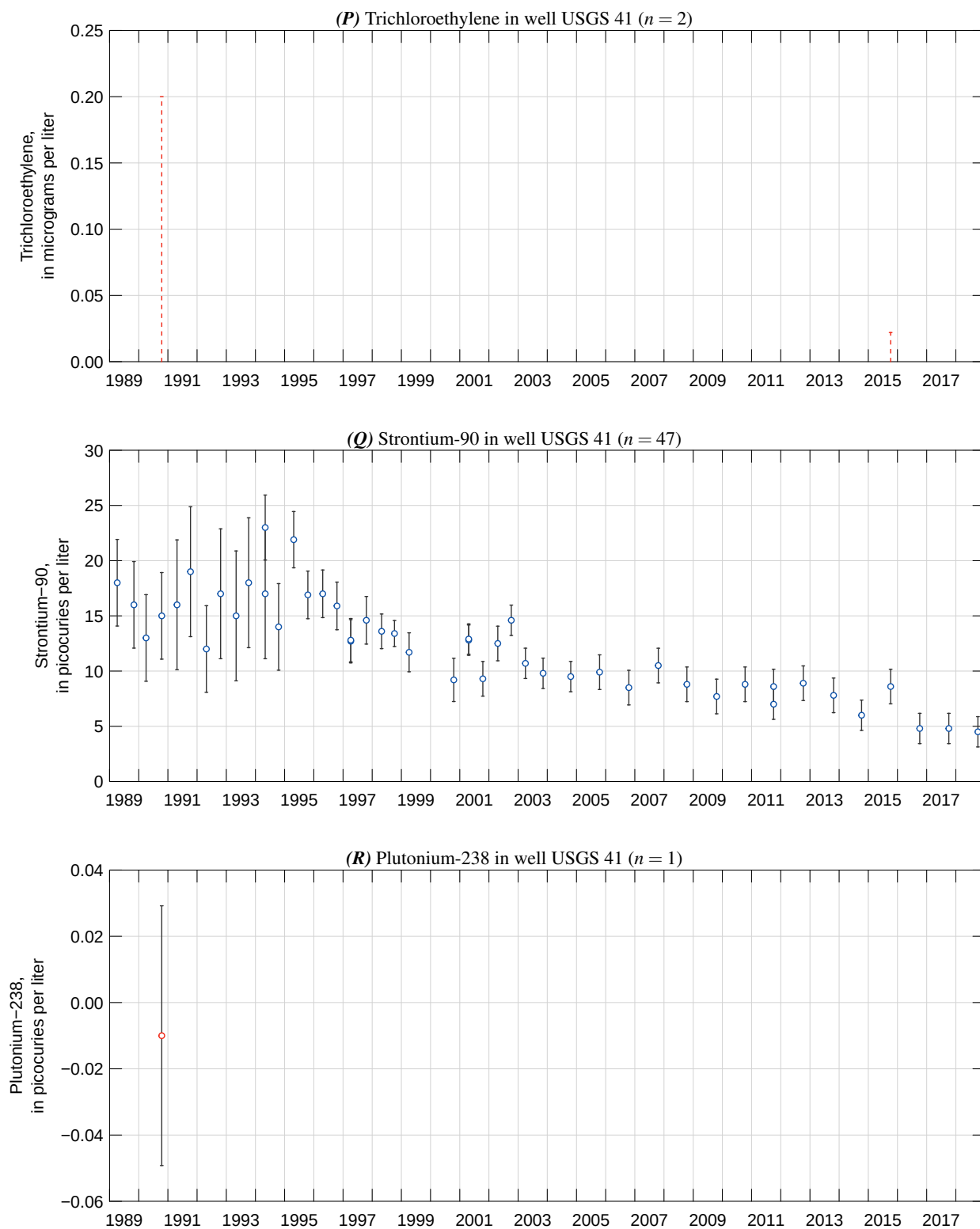


Figure 4.119. —Continued

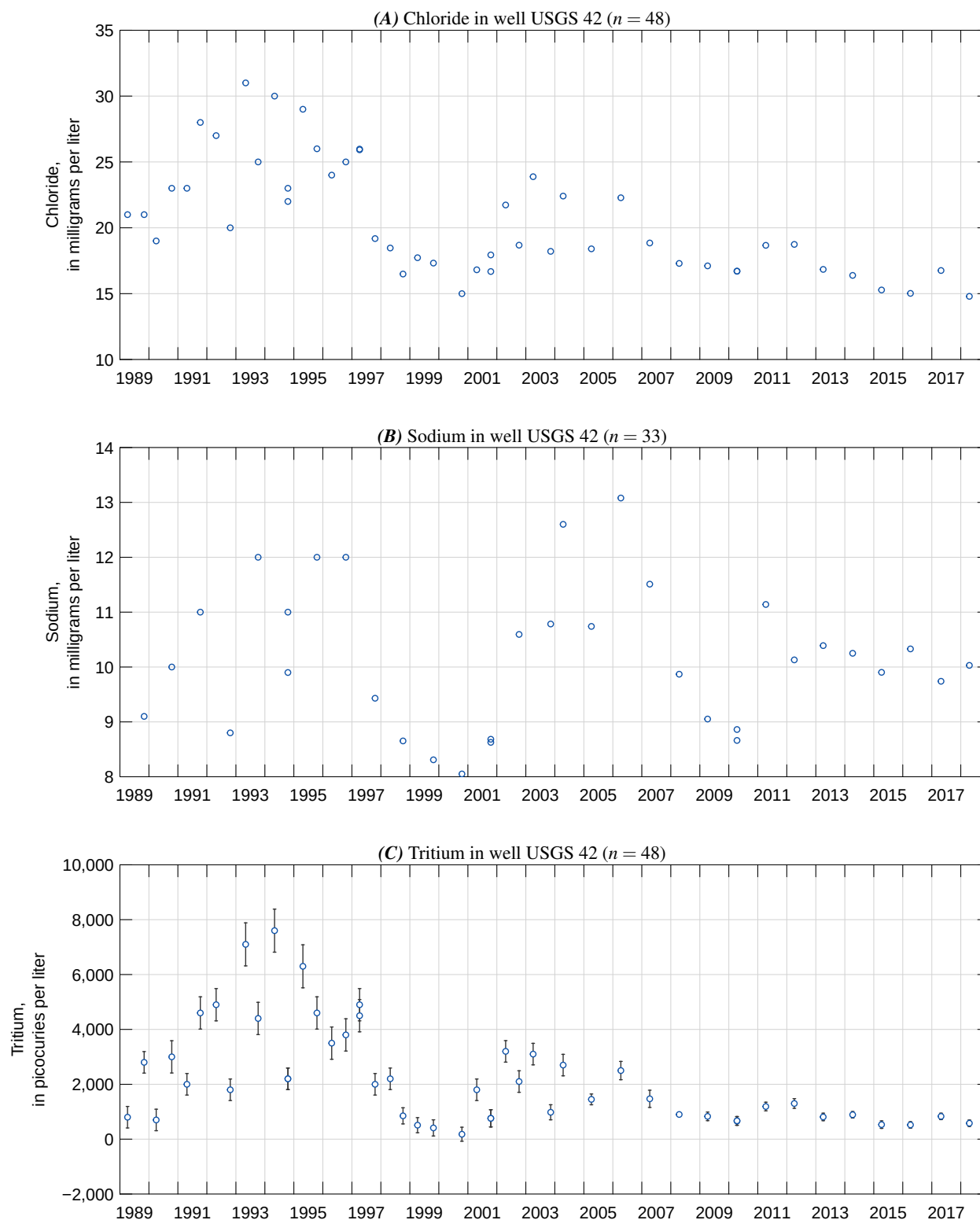


Figure 4.120. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, and (R) plutonium-238 concentrations in water collected from well USGS 42 (Site No. 433404112561301), Idaho National Laboratory, Idaho, 1989–2018.

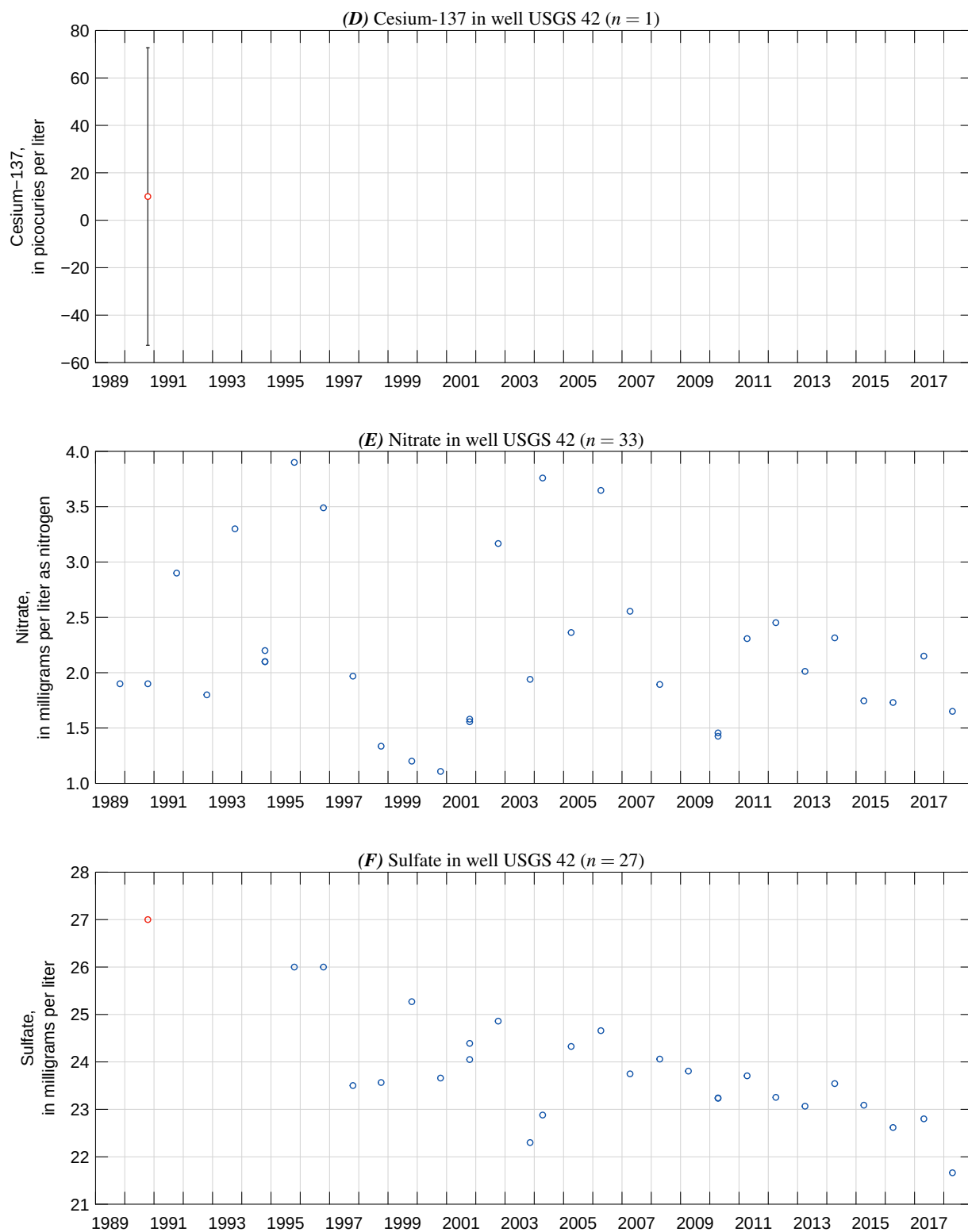


Figure 4.120. —Continued

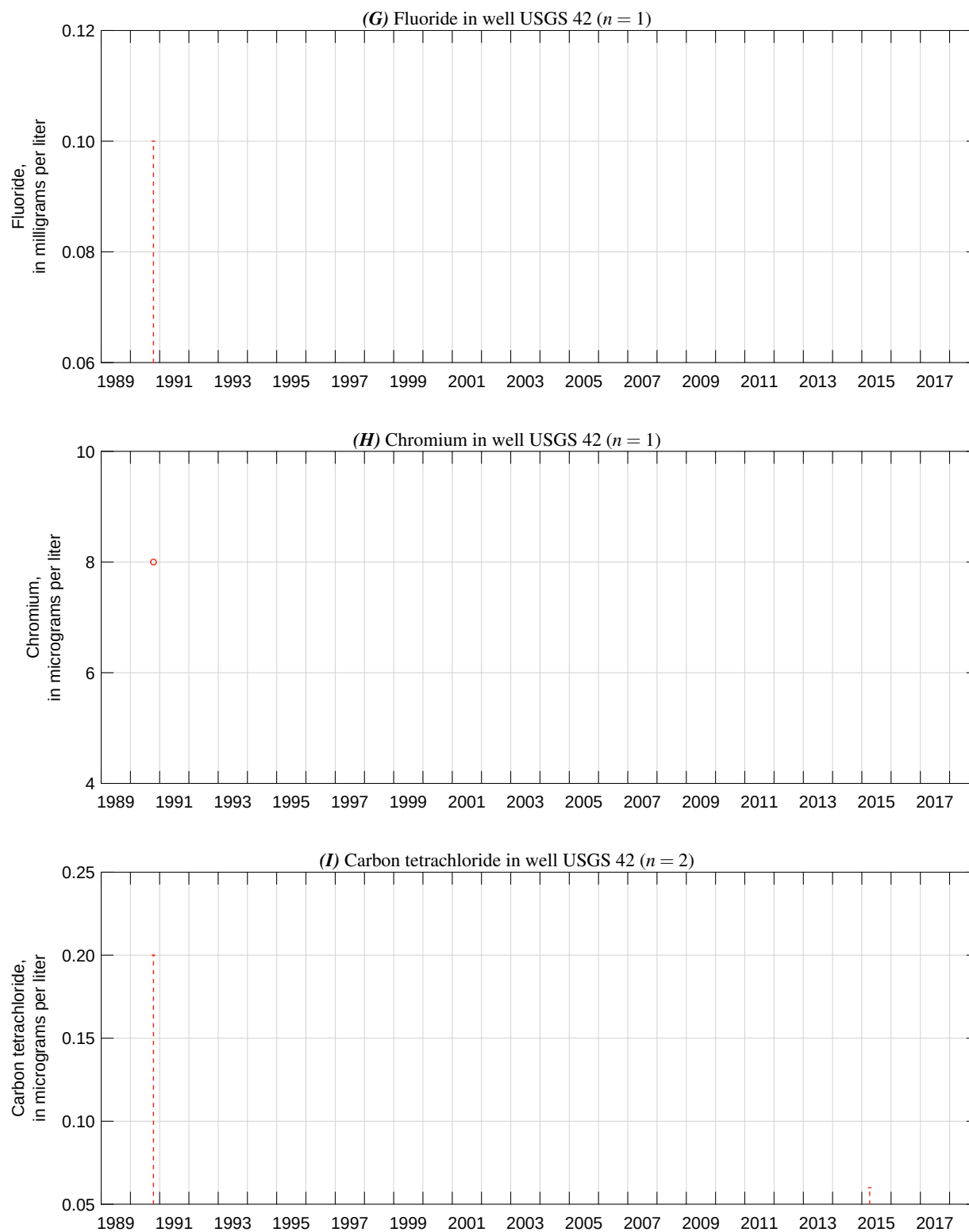


Figure 4.120. —Continued

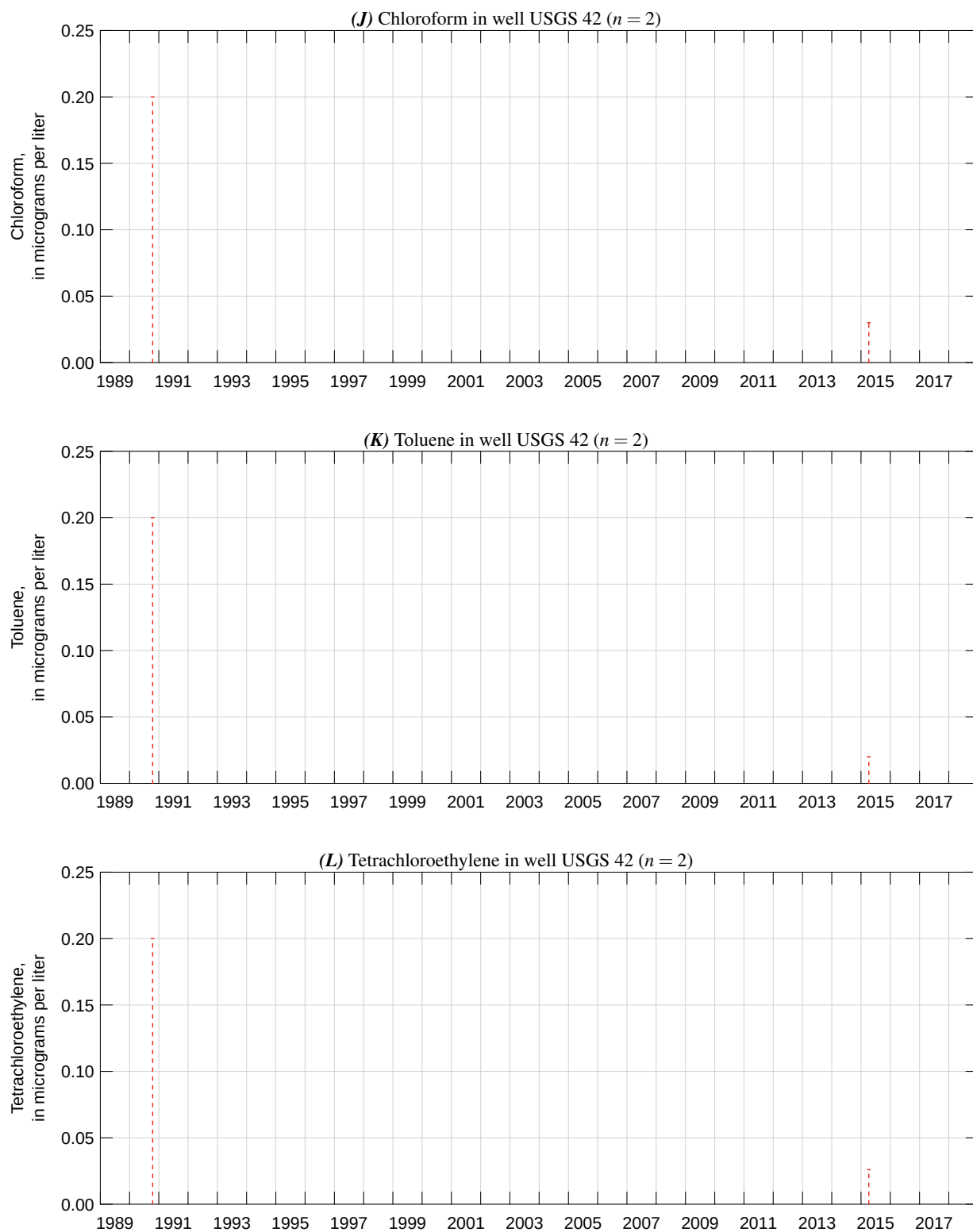


Figure 4.120. —Continued

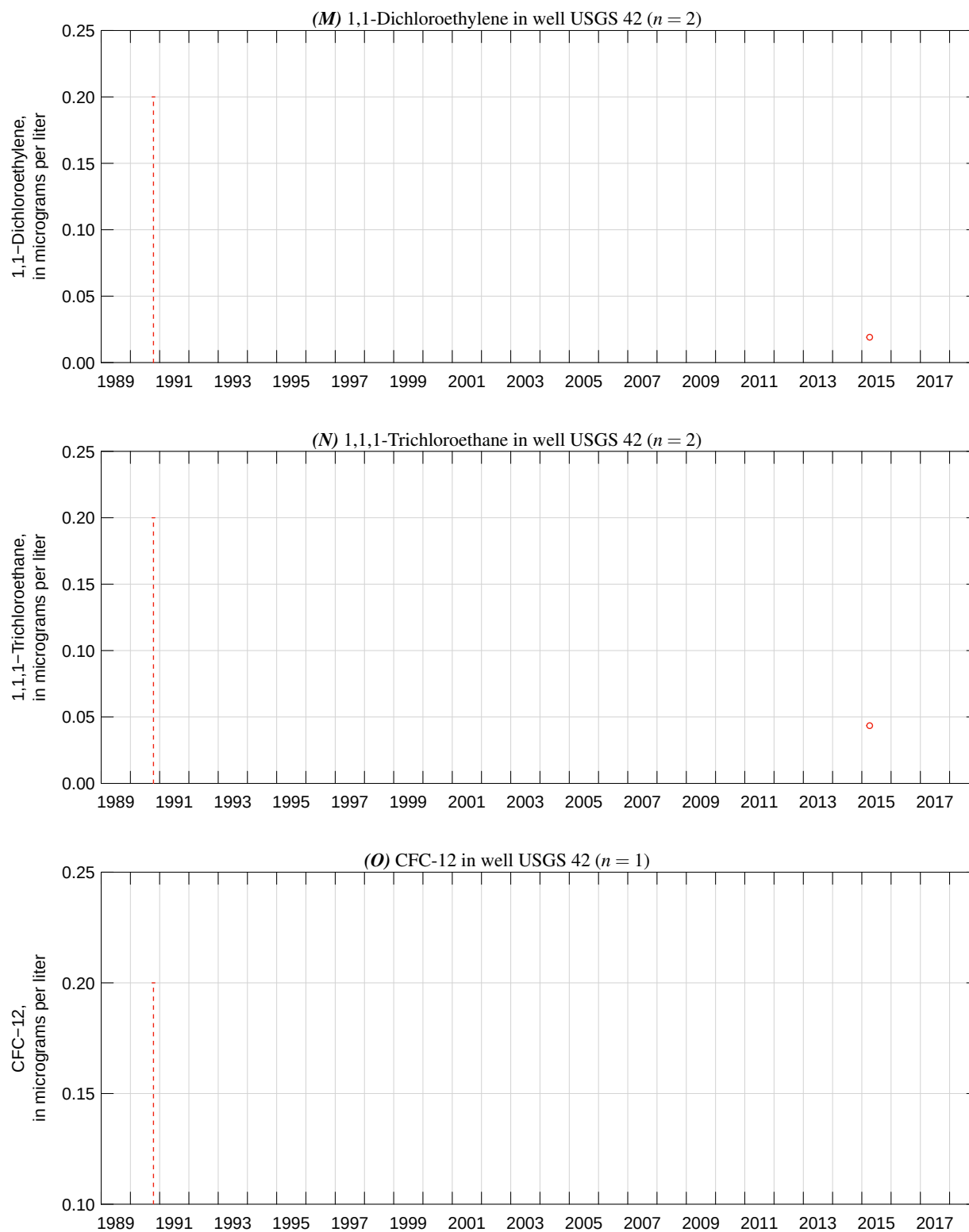


Figure 4.120. —Continued

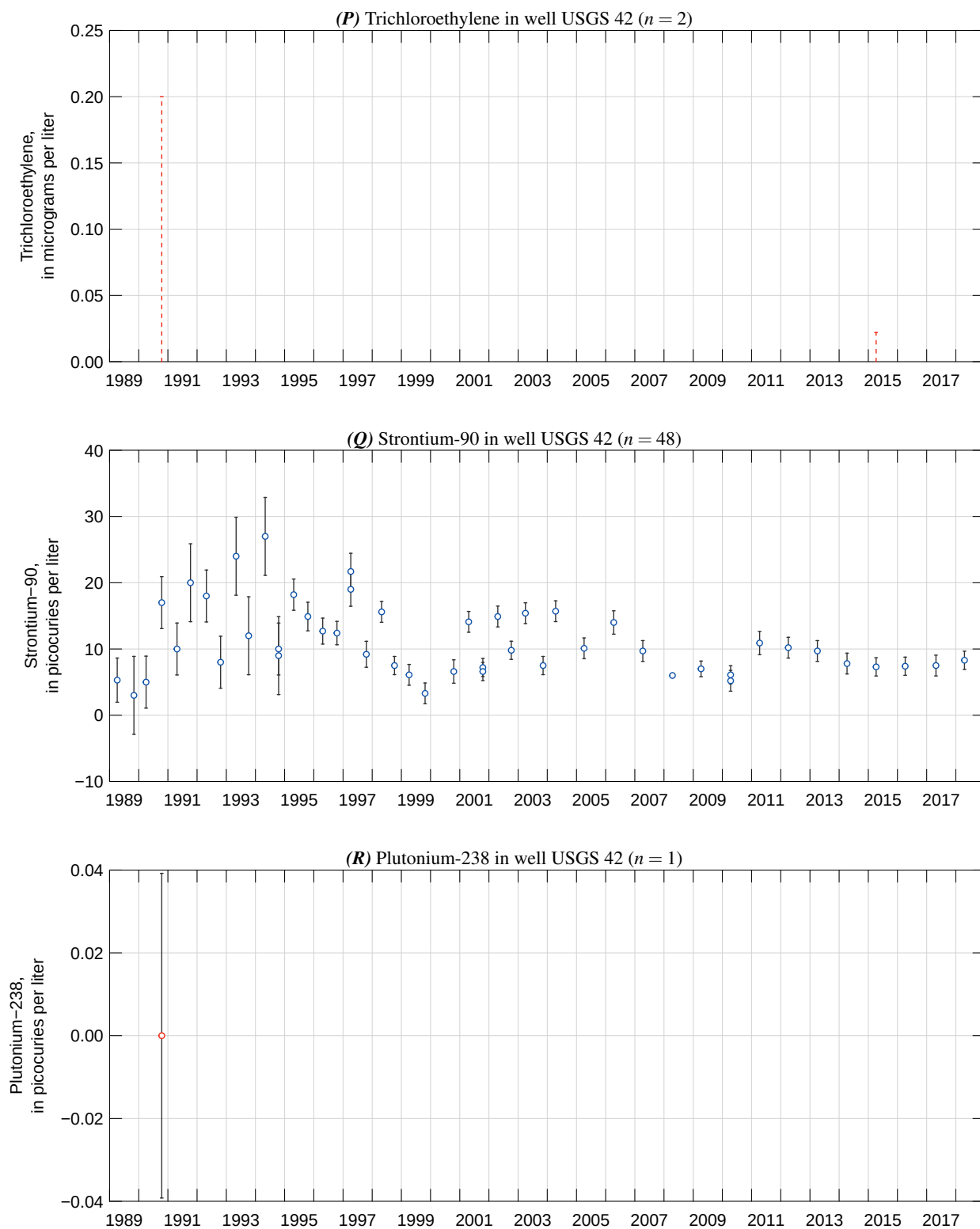


Figure 4.120. —Continued

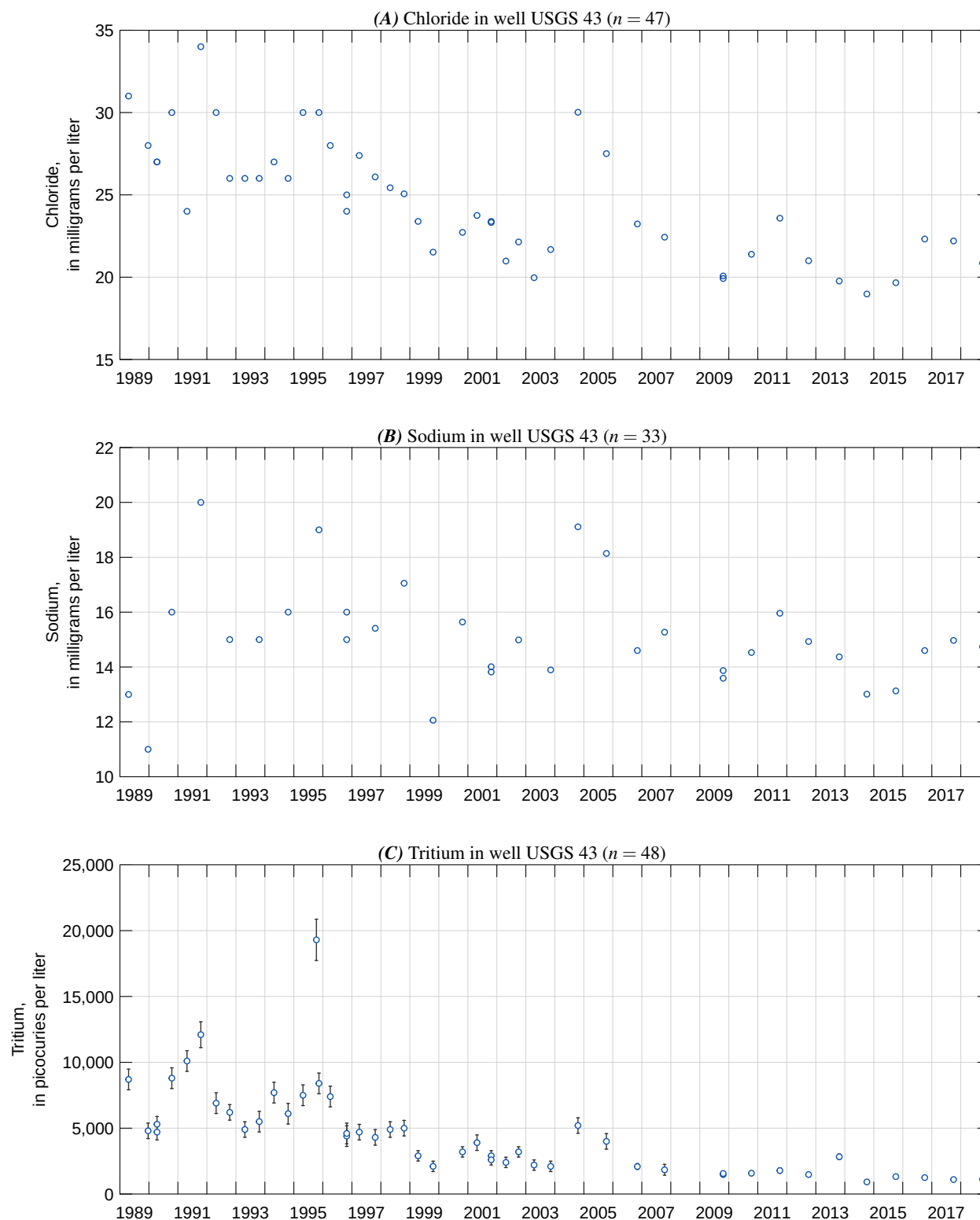


Figure 4.121. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) carbon tetrachloride, (I) chloroform, (J) toluene, (K) tetrachloroethylene, (L) 1,1-dichloroethylene, (M) 1,1,1-trichloroethane, (N) trichloroethylene, (O) strontium-90, and (P) plutonium-238 concentrations in water collected from well USGS 43 (Site No. 433415112561501), Idaho National Laboratory, Idaho, 1989–2018.

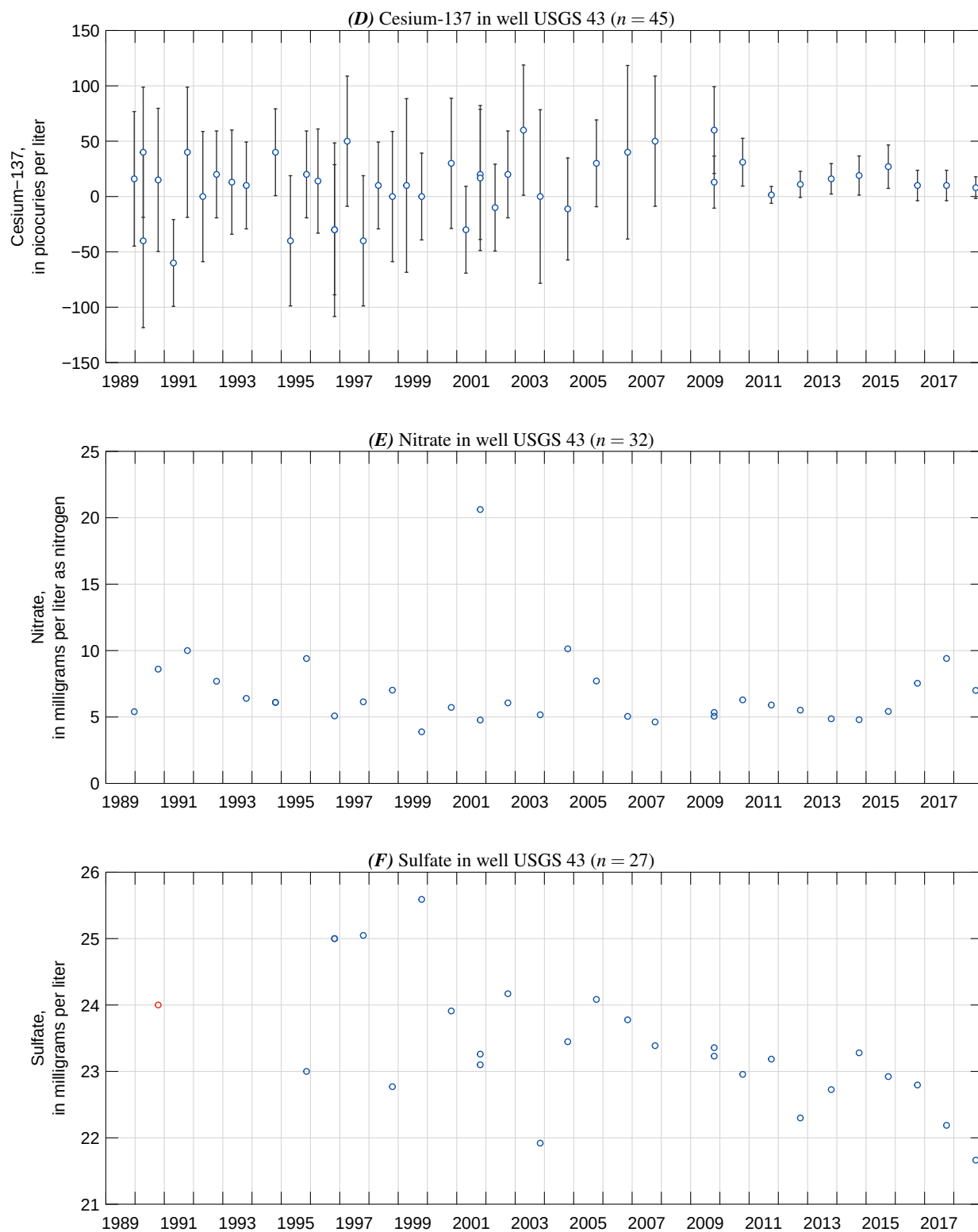
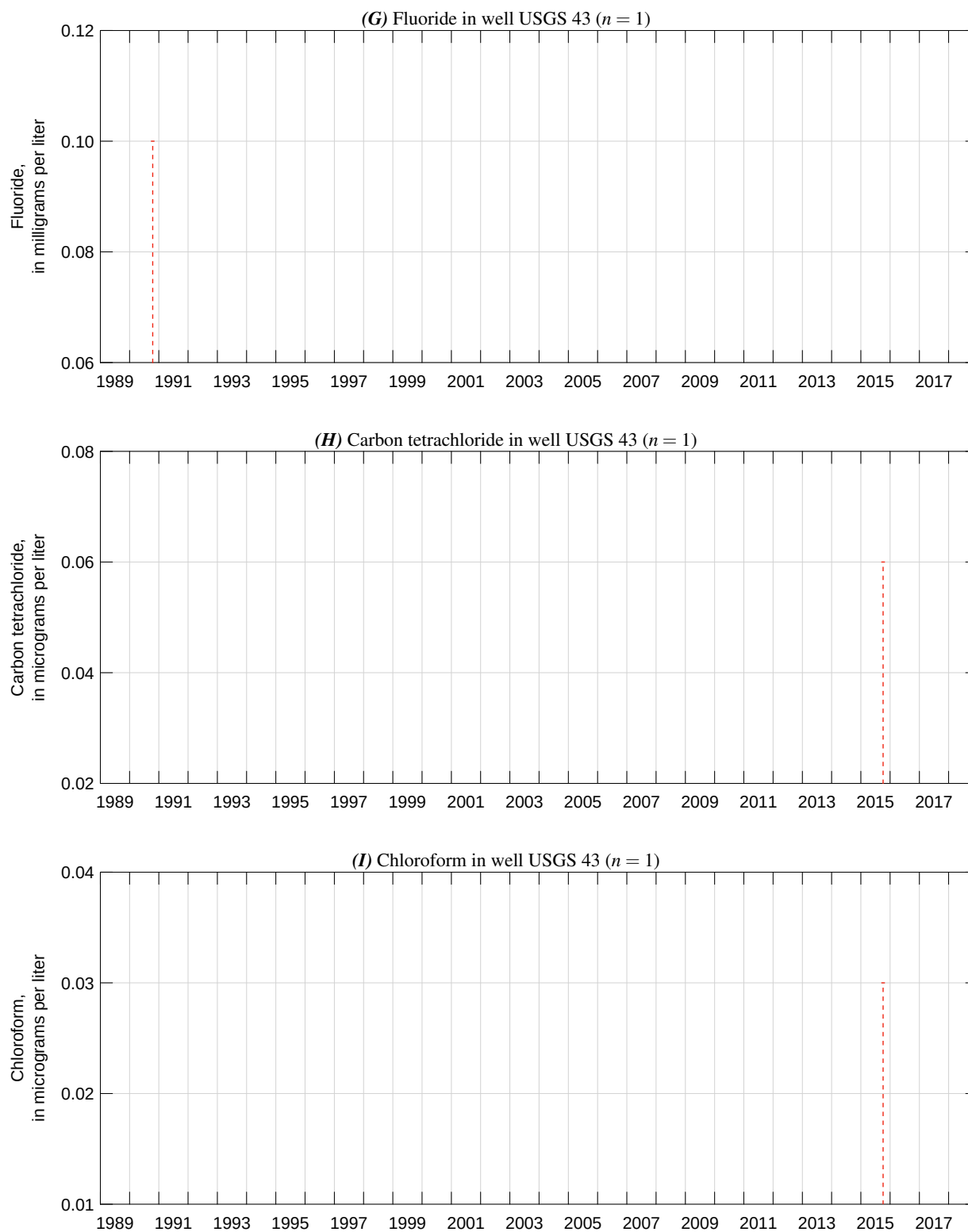


Figure 4.121. —Continued



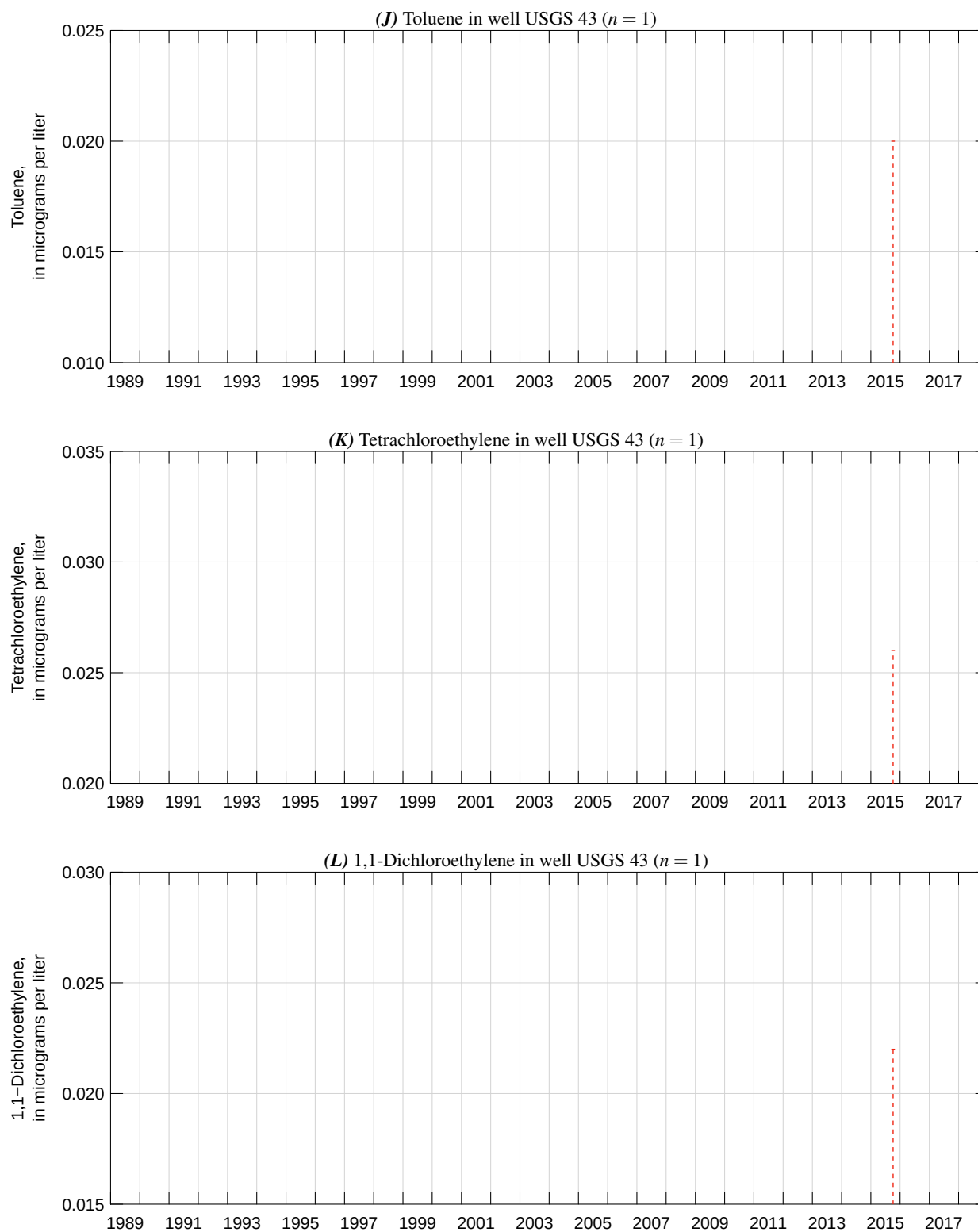


Figure 4.121. —Continued

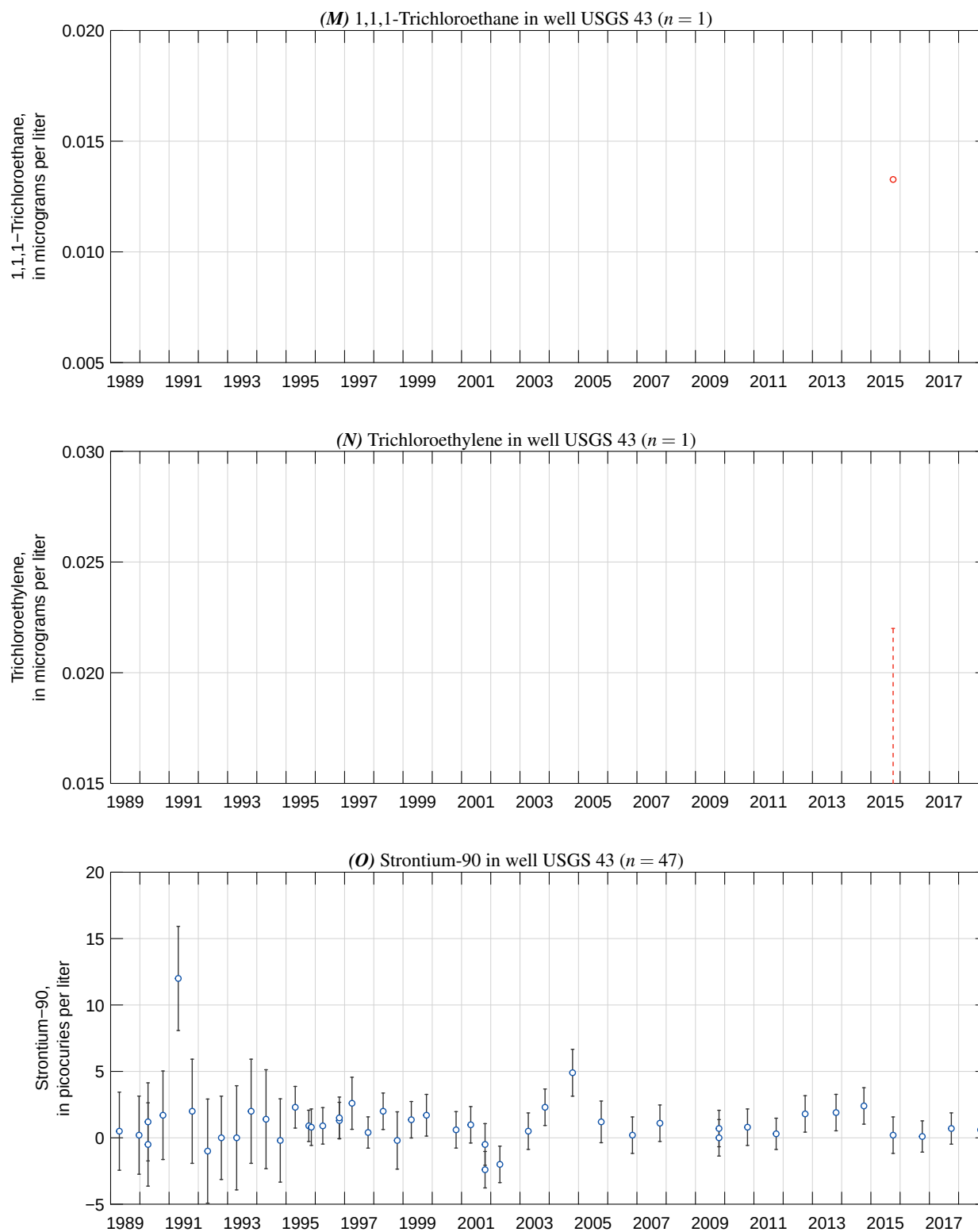
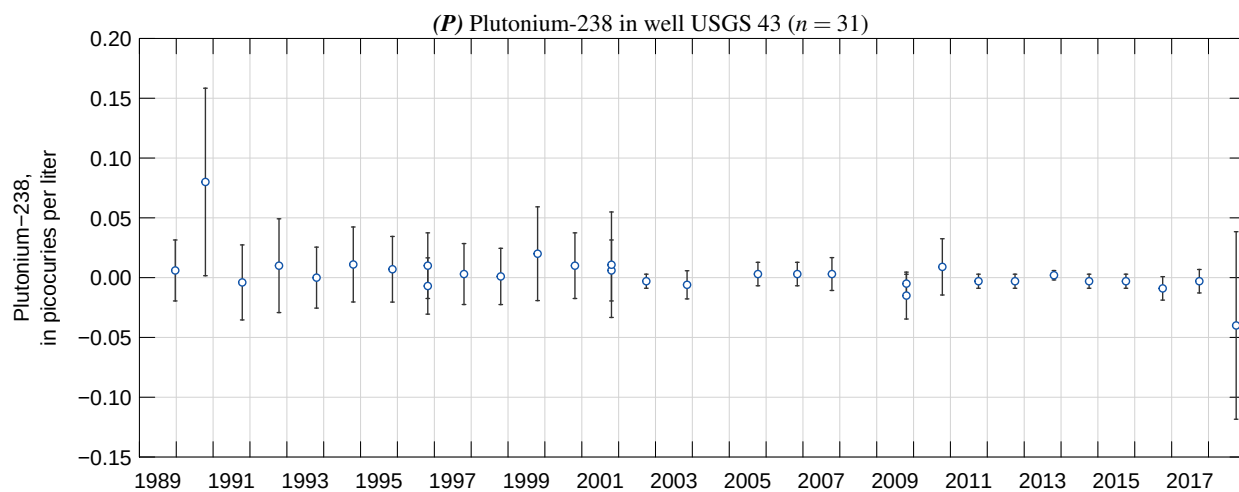


Figure 4.121. —Continued

**Figure 4.121.** —Continued

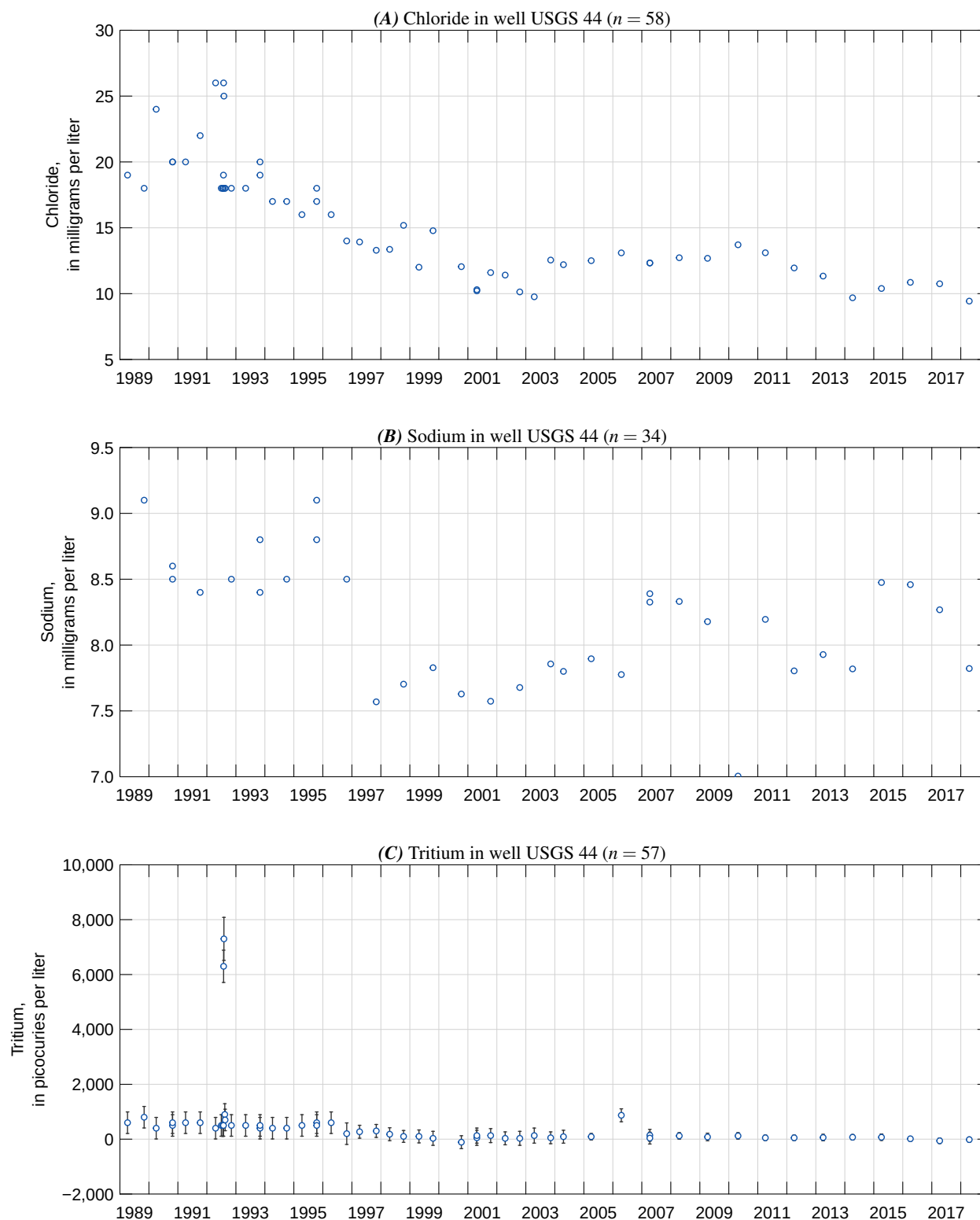


Figure 4.122. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, and (R) plutonium-238 concentrations in water collected from well USGS 44 (Site No. 433409112562101), Idaho National Laboratory, Idaho, 1989–2018.

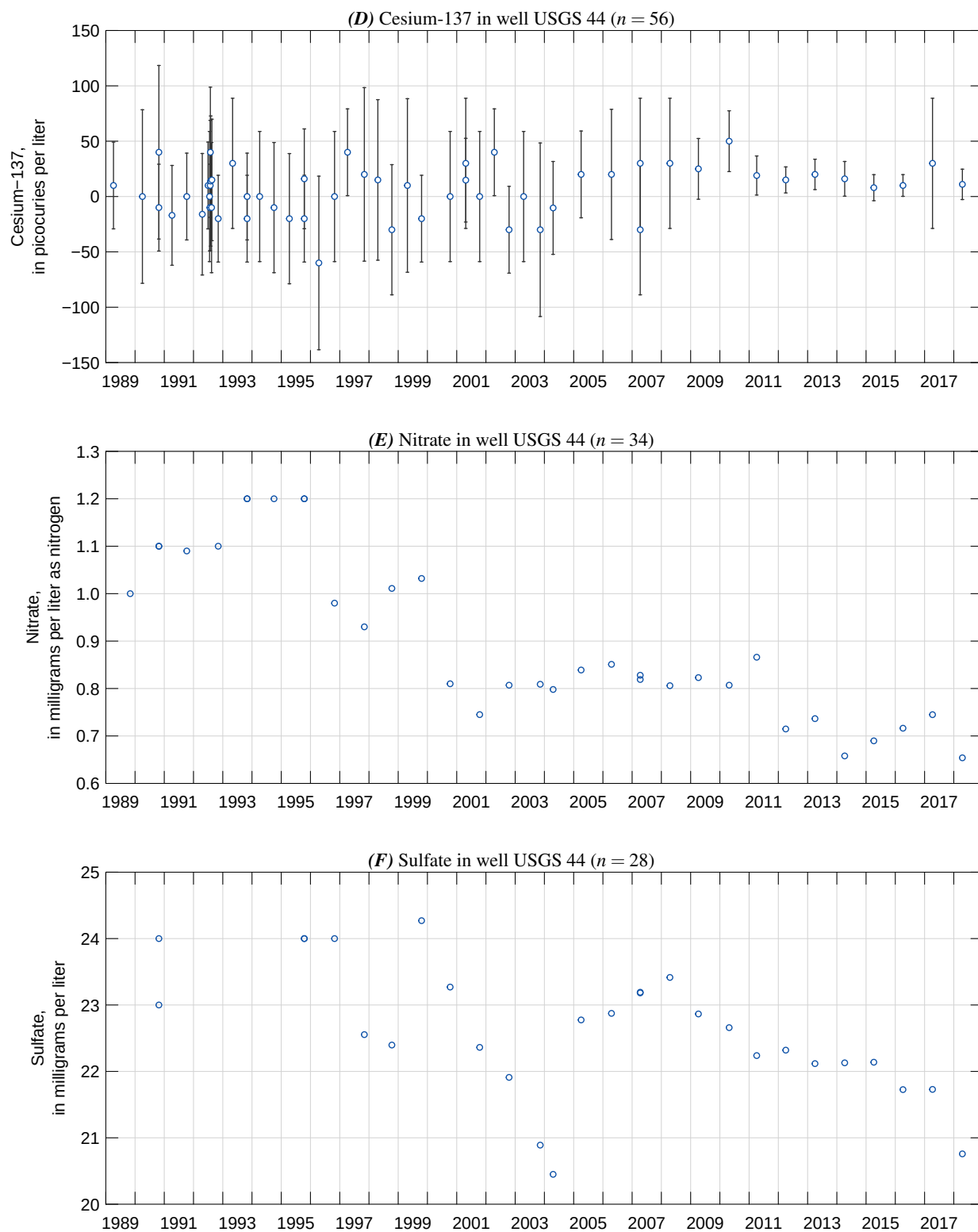


Figure 4.122. —Continued

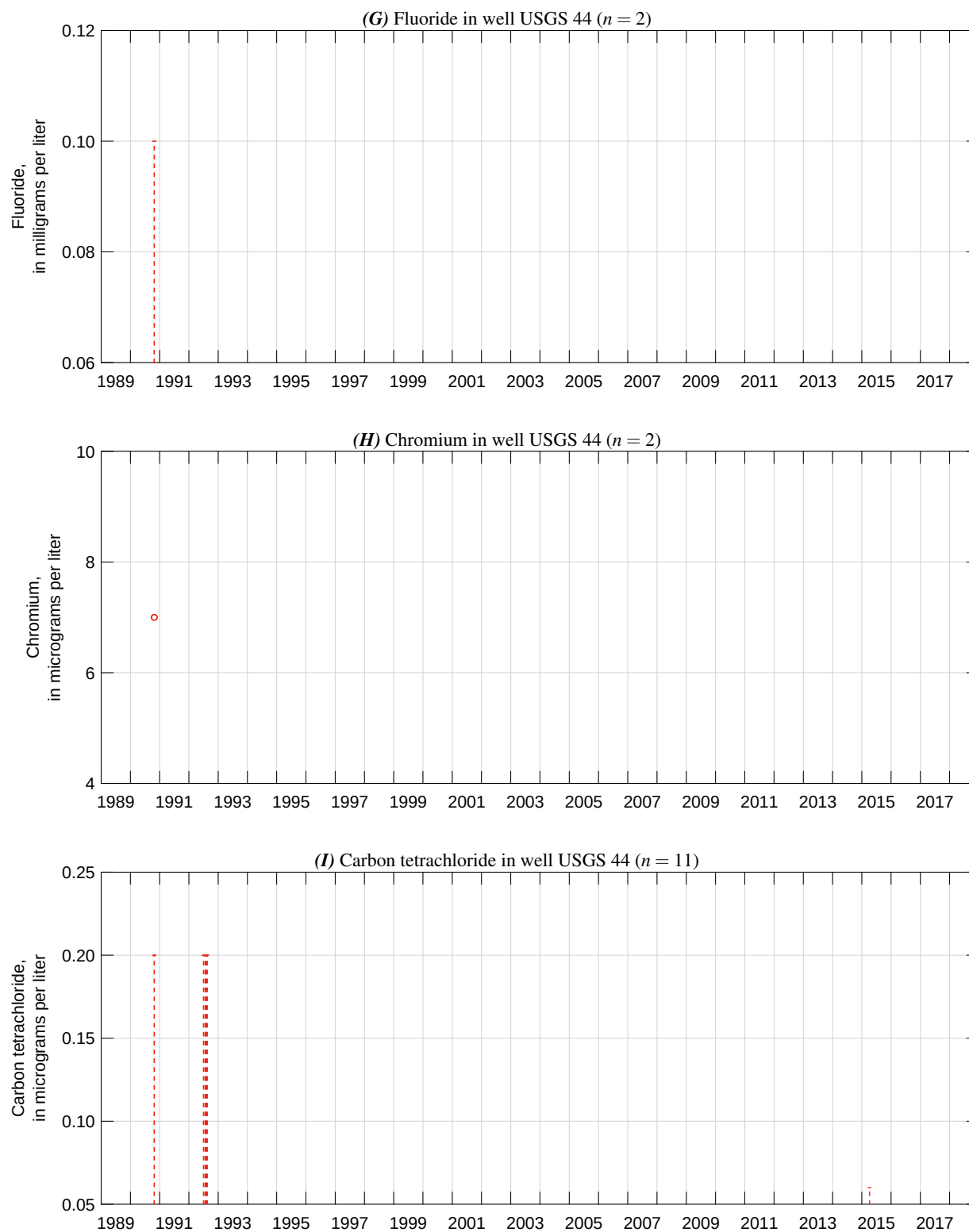
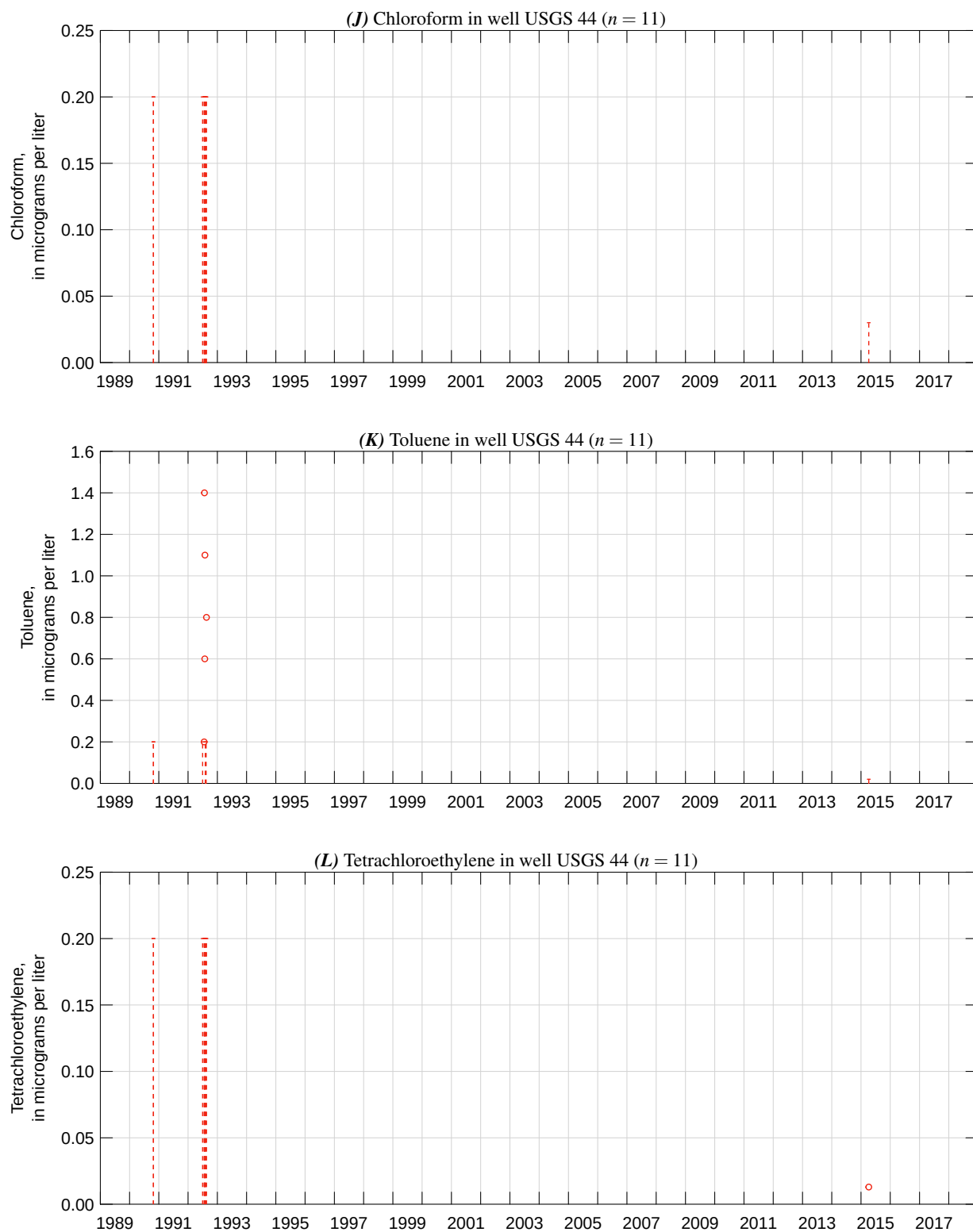


Figure 4.122. —Continued



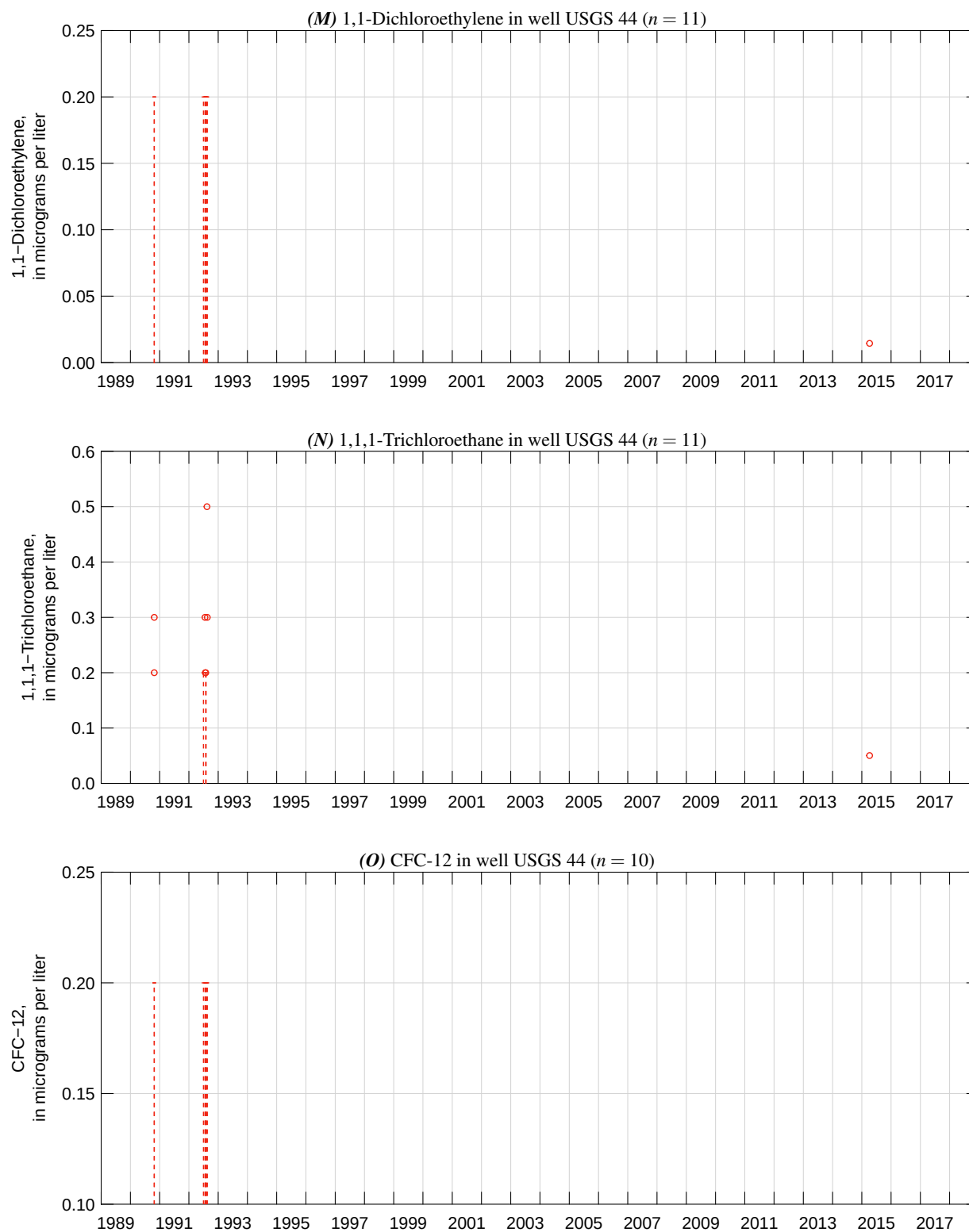


Figure 4.122. —Continued

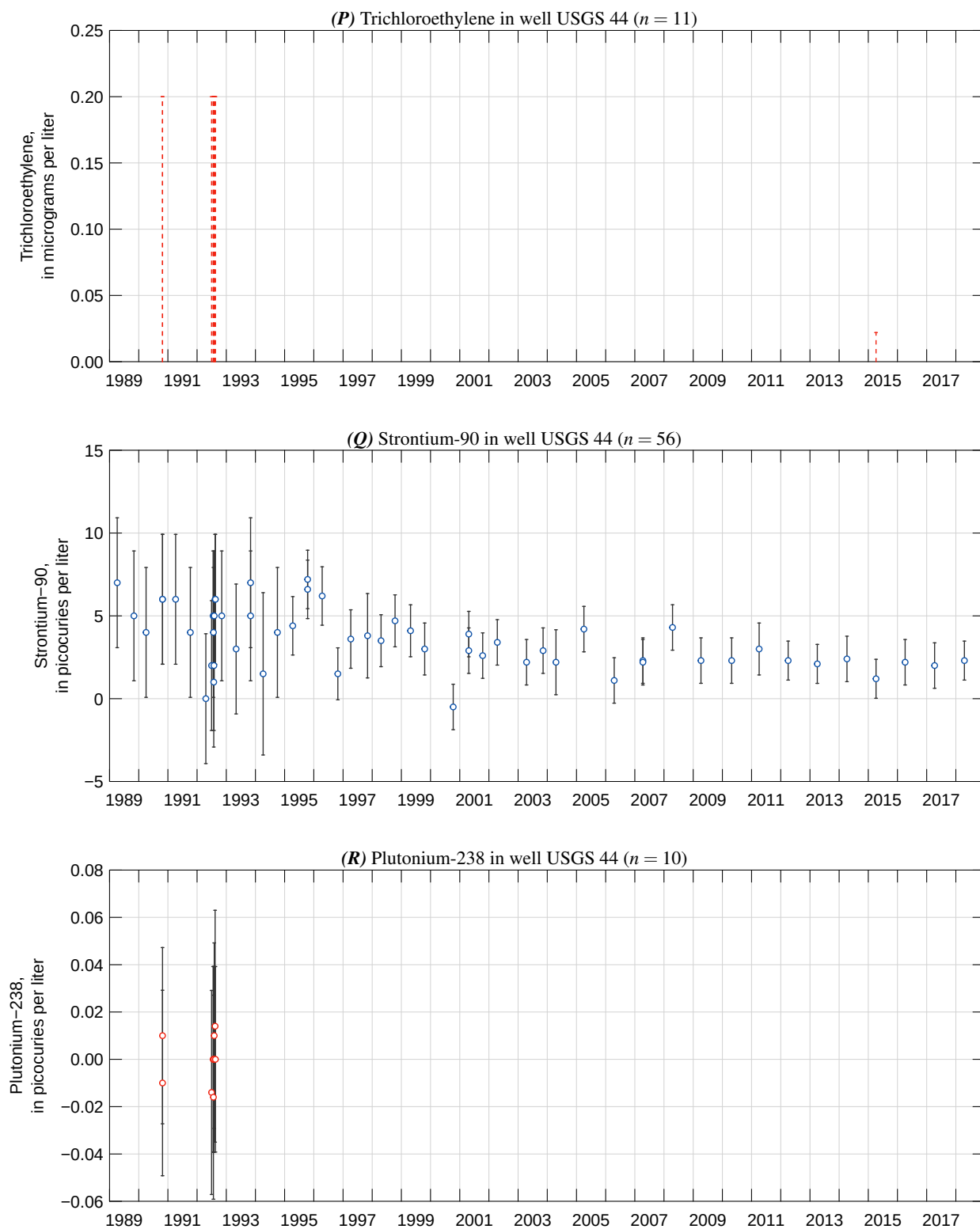


Figure 4.122. —Continued

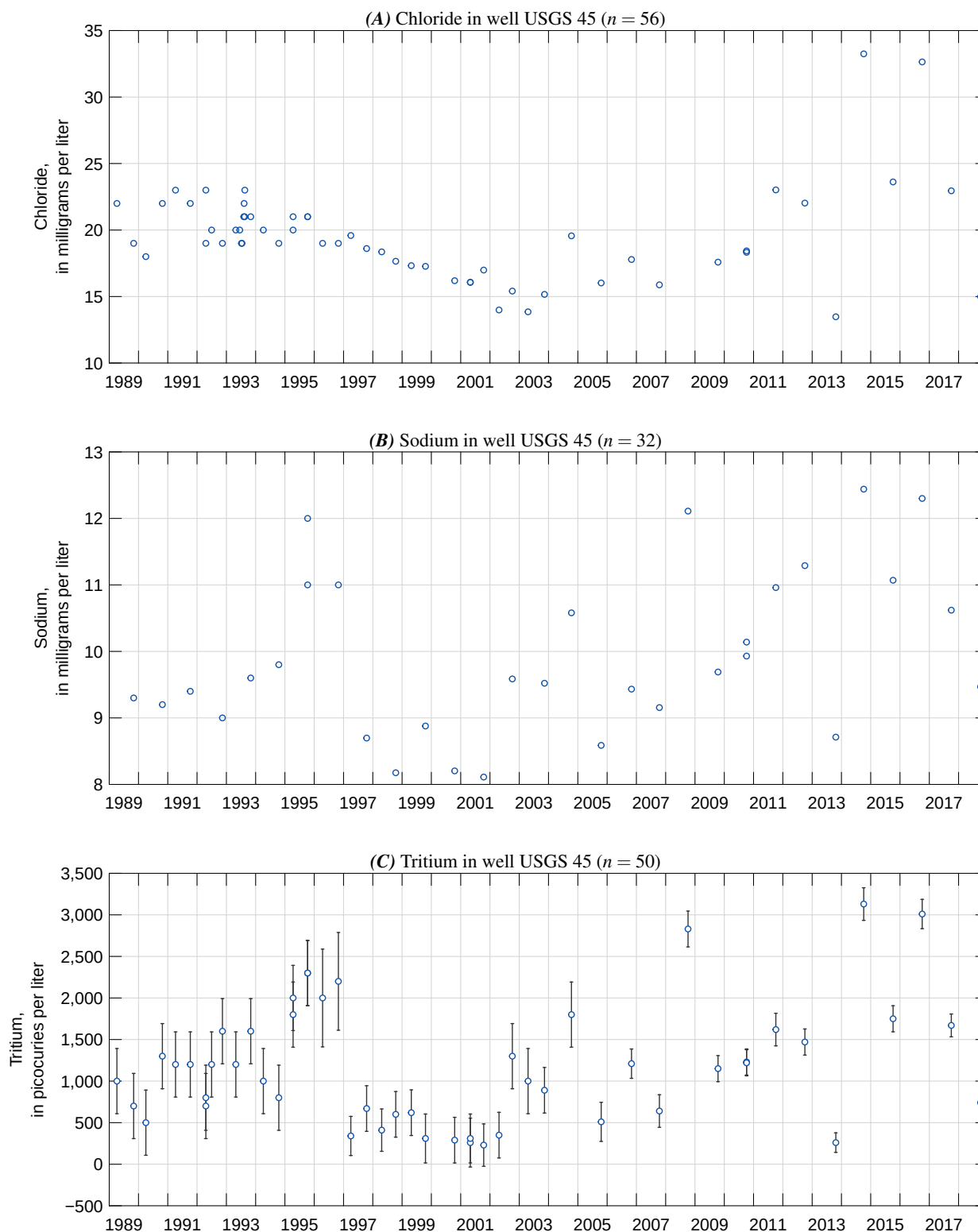


Figure 4.123. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, and (R) plutonium-238 concentrations in water collected from well USGS 45 (Site No. 433402112561801), Idaho National Laboratory, Idaho, 1989–2018.

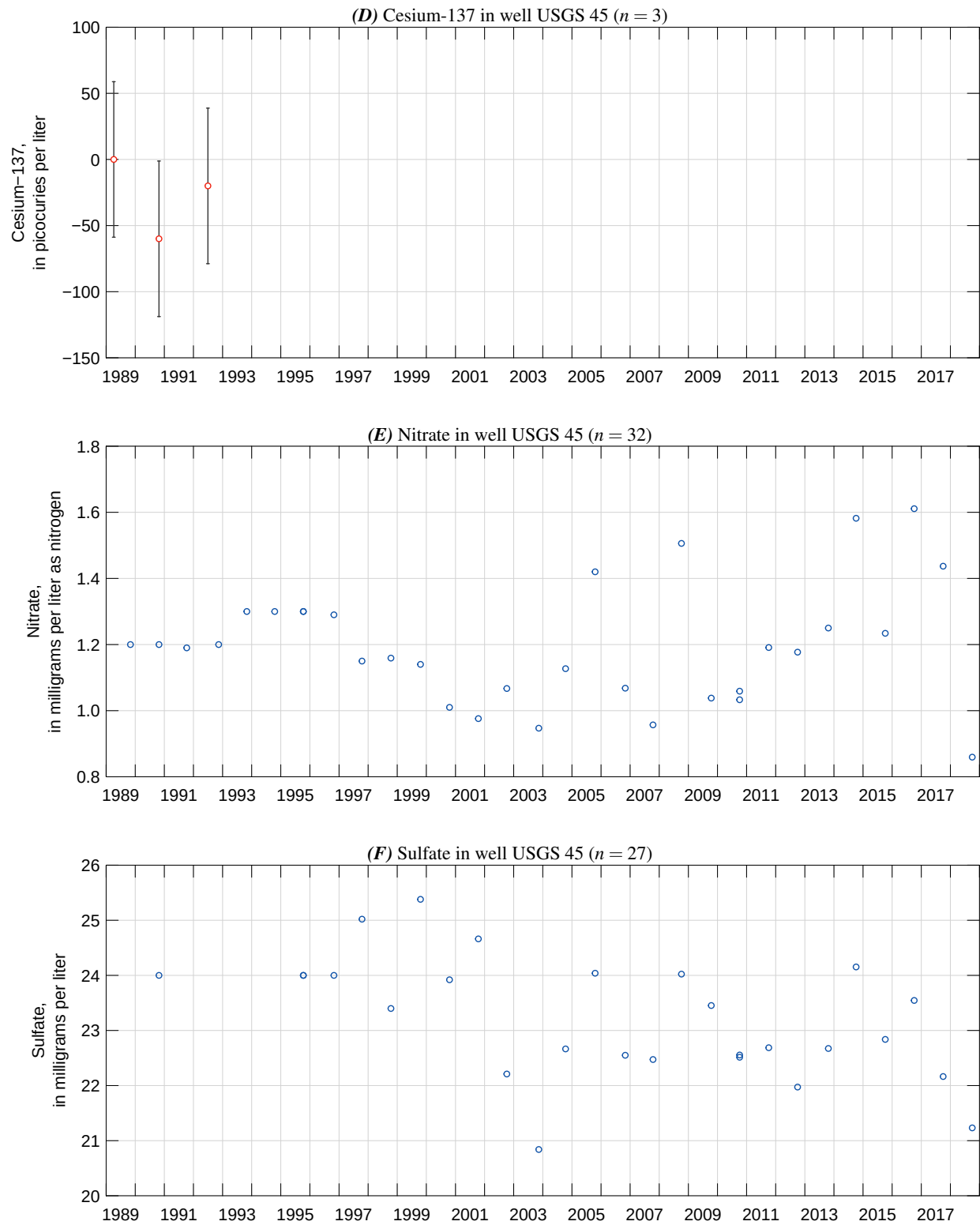


Figure 4.123. —Continued

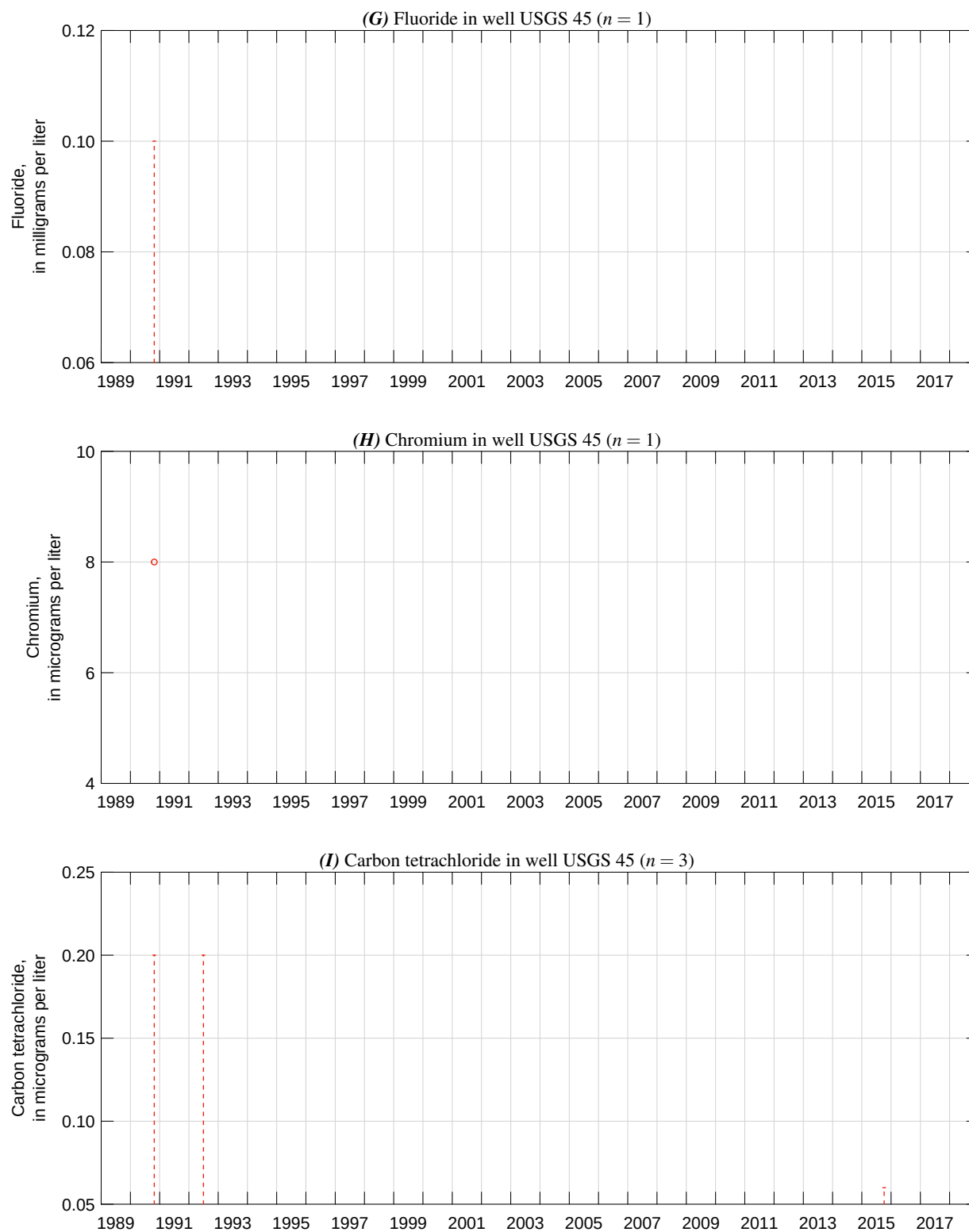


Figure 4.123. —Continued

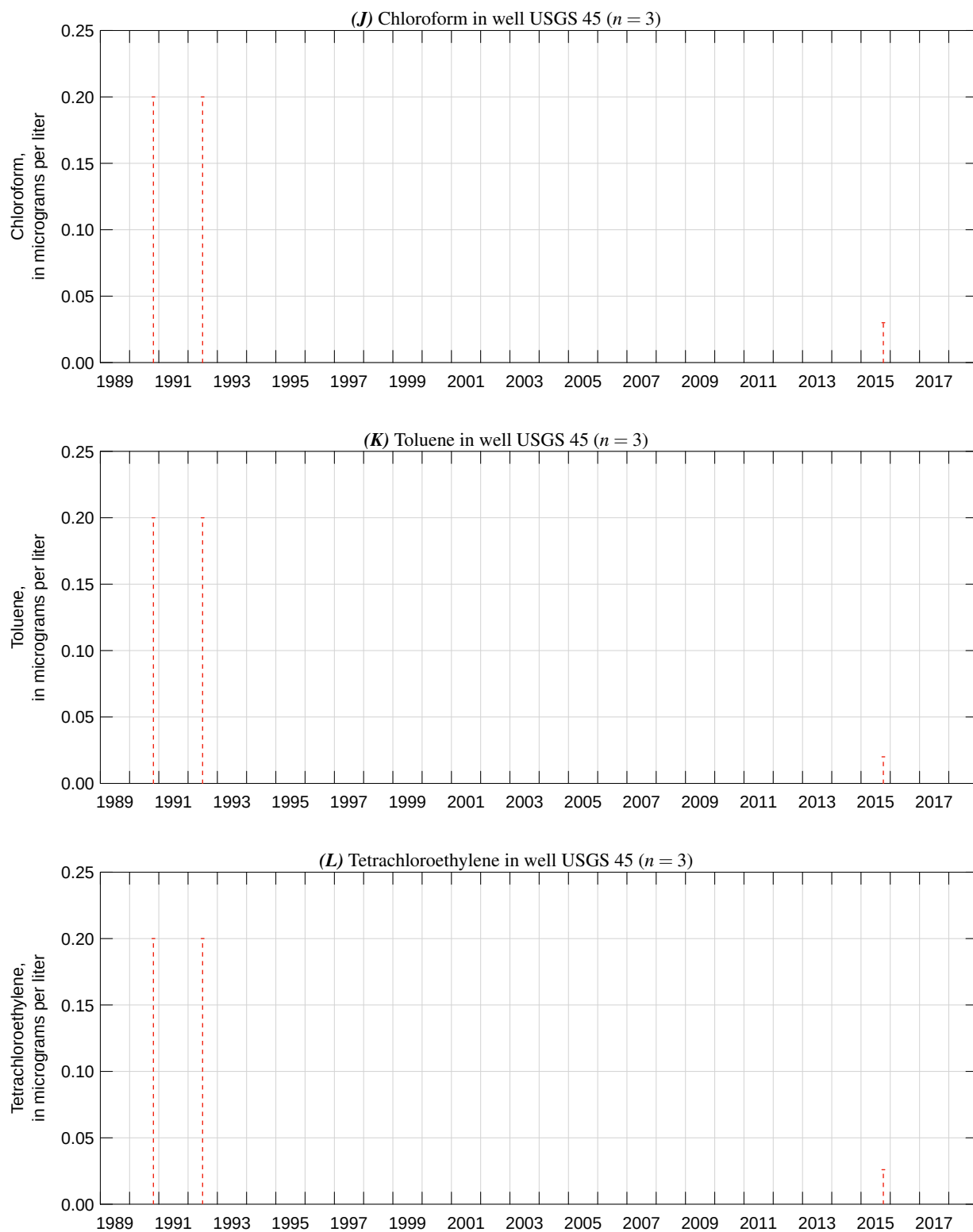


Figure 4.123. —Continued

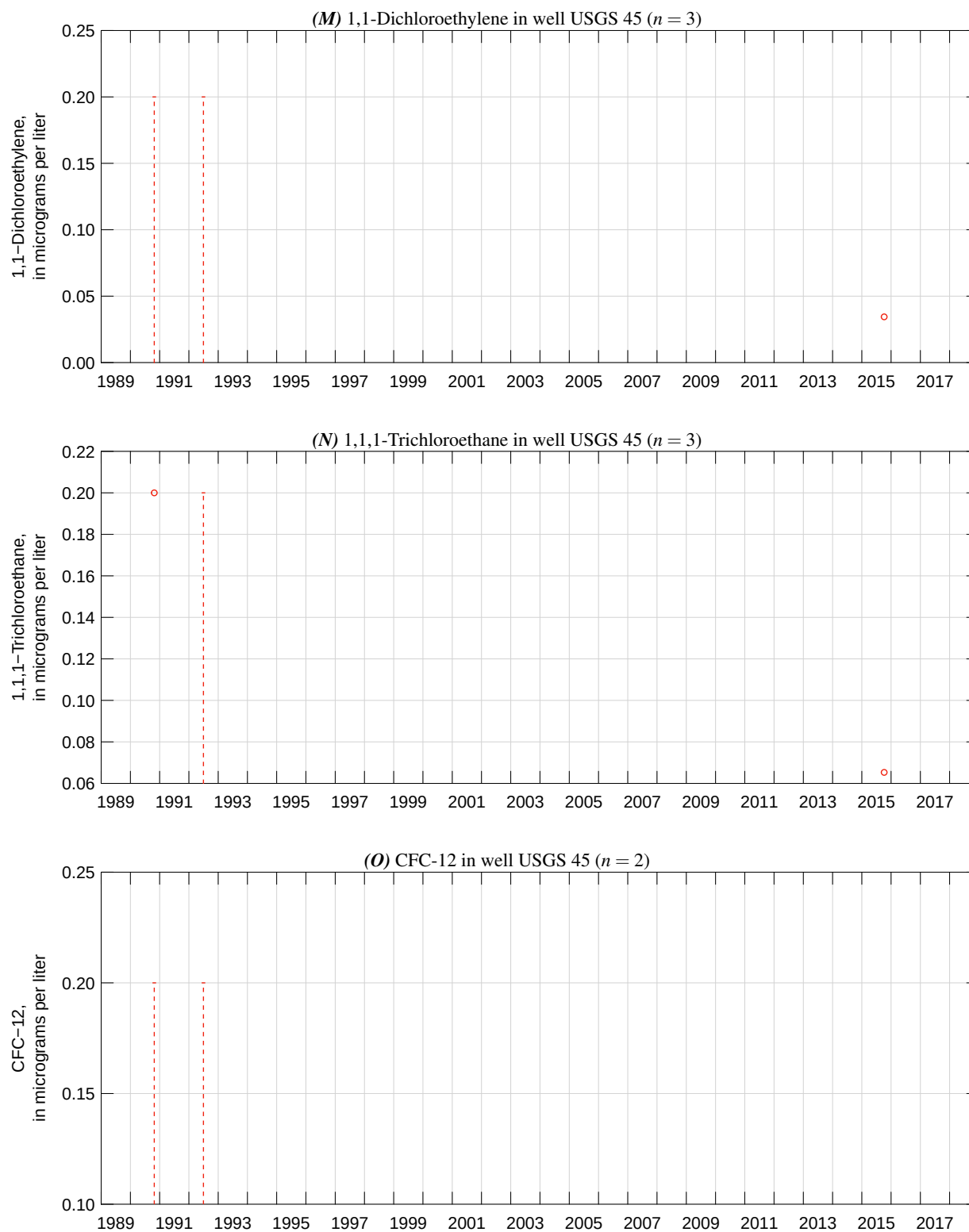


Figure 4.123. —Continued

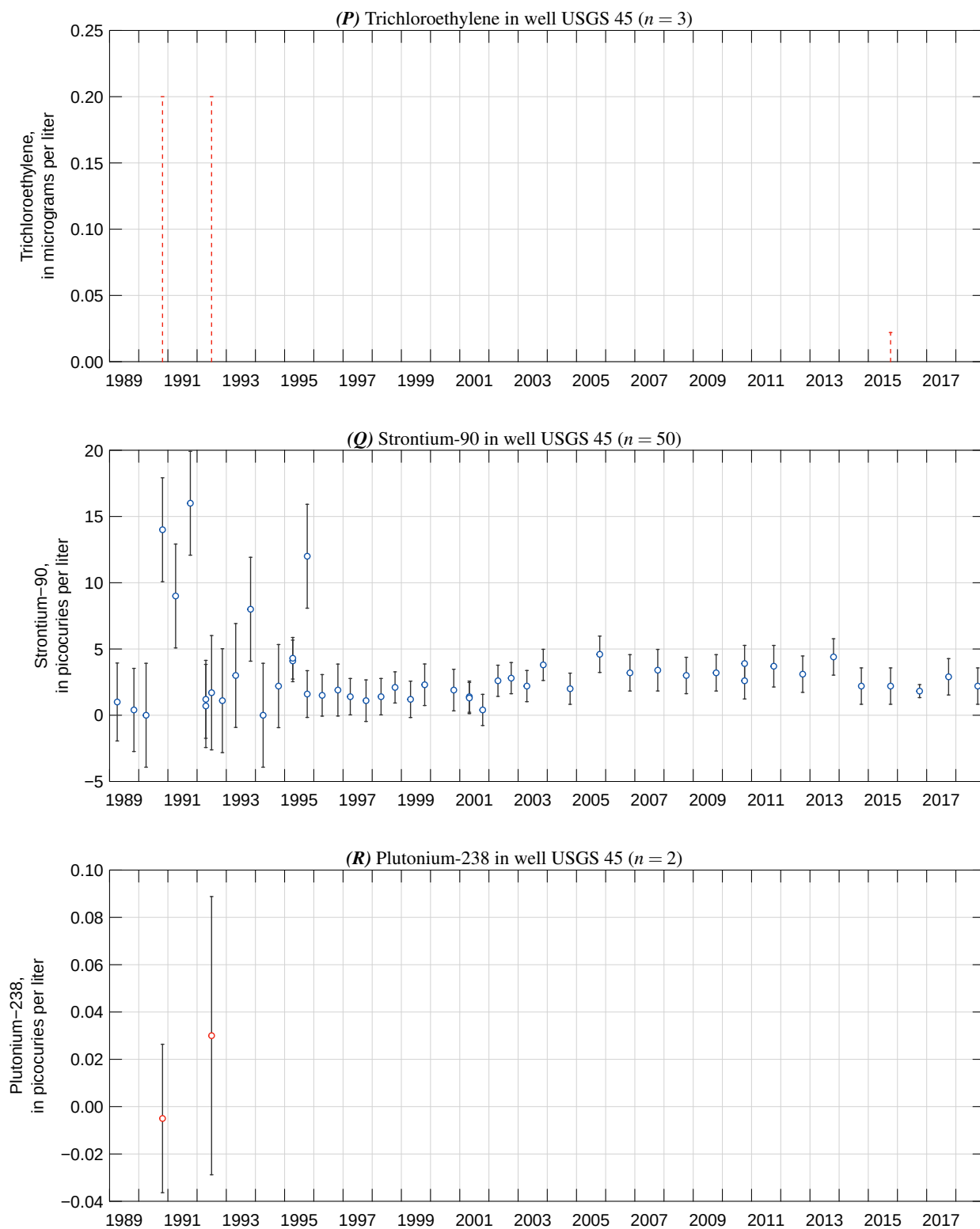


Figure 4.123. —Continued

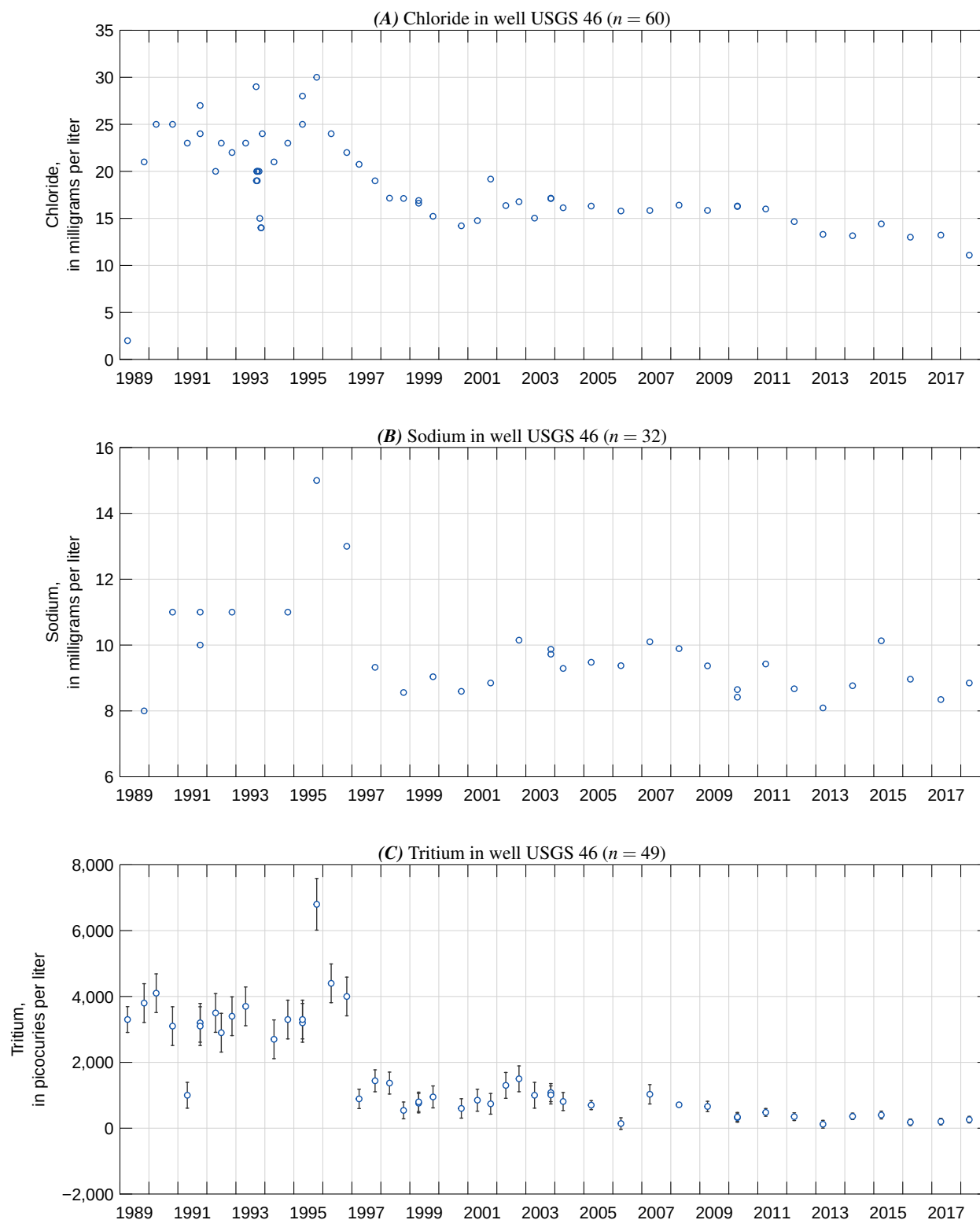


Figure 4.124. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, and (R) plutonium-238 concentrations in water collected from well USGS 46 (Site No. 433407112561501), Idaho National Laboratory, Idaho, 1989–2018.

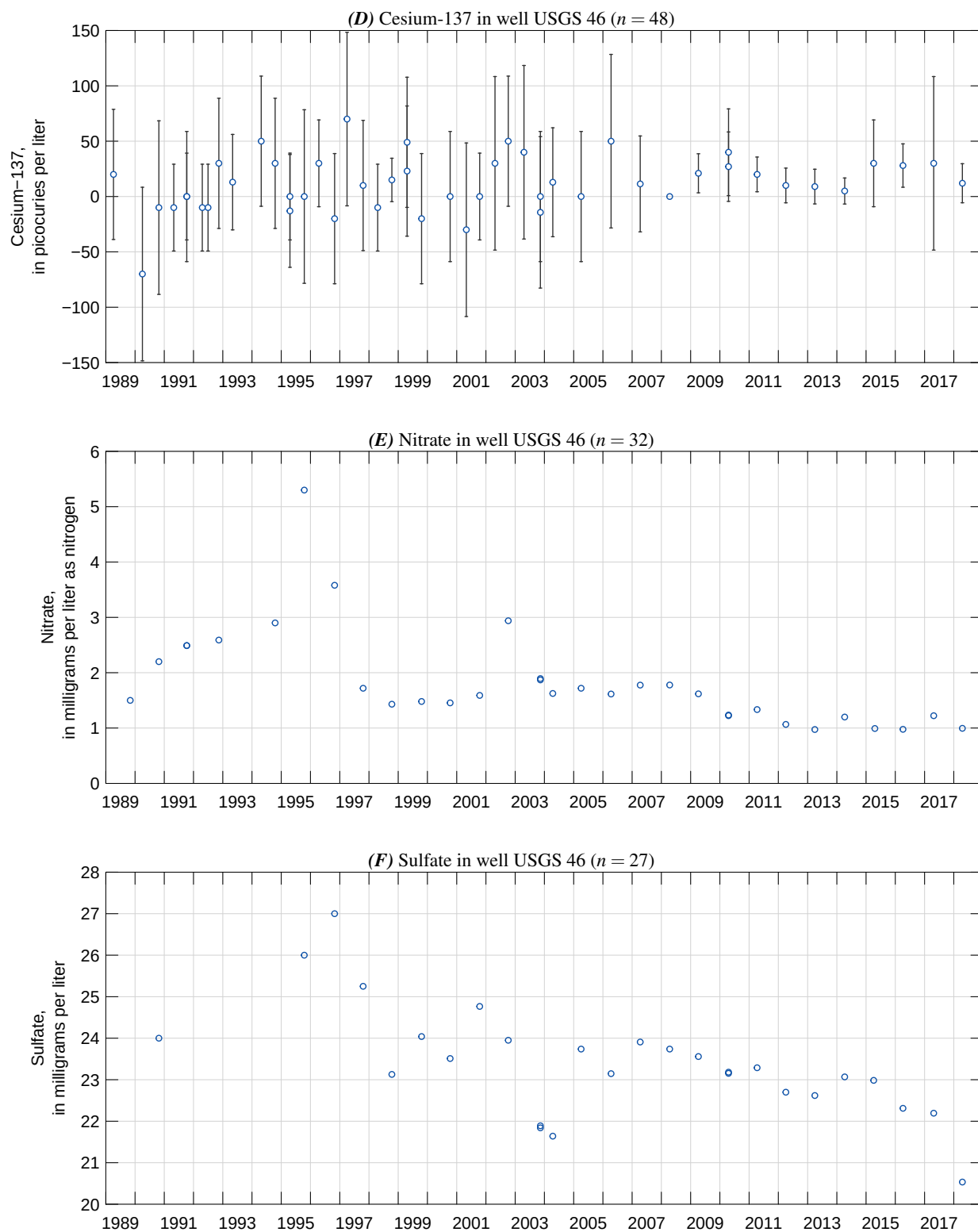


Figure 4.124. —Continued

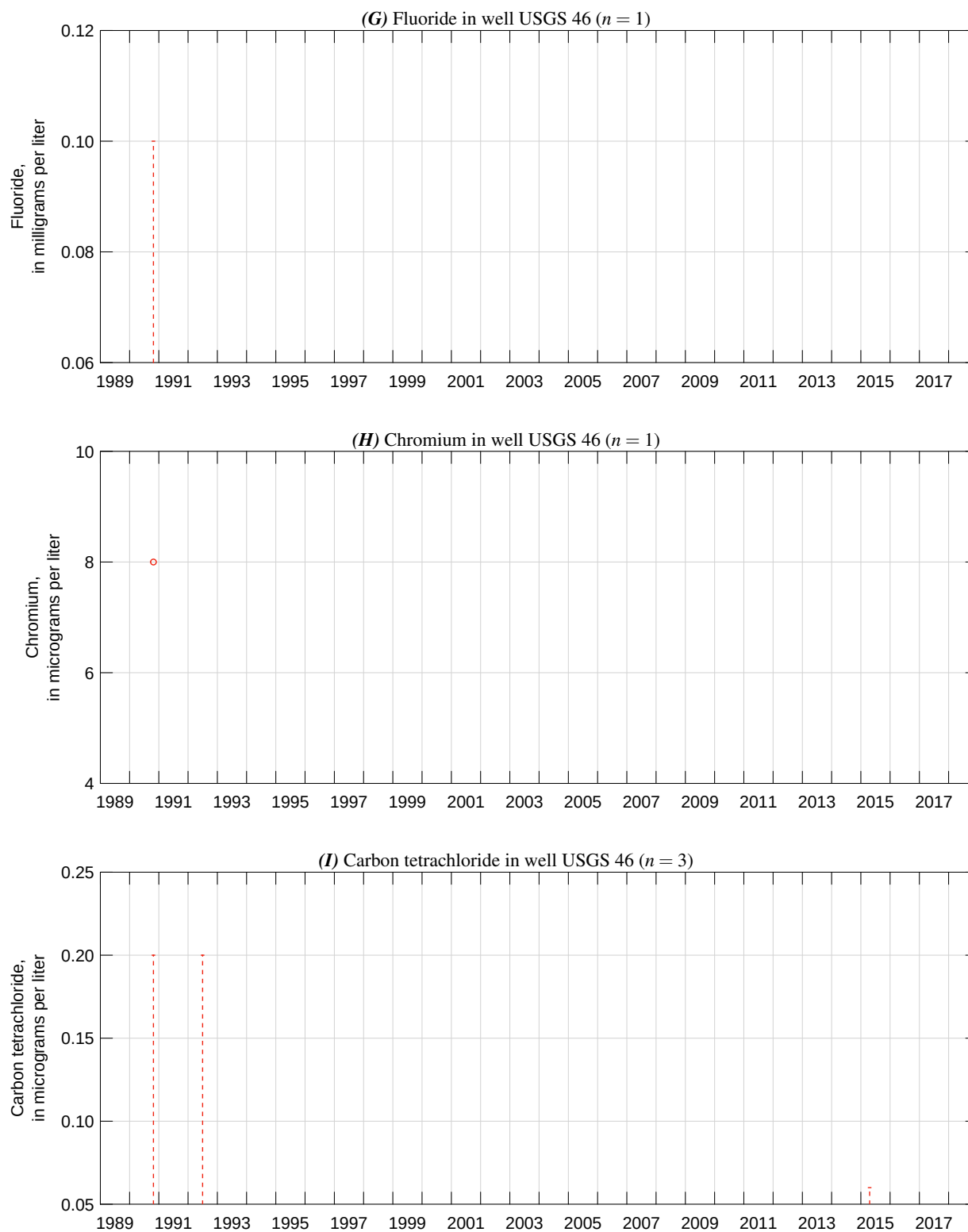


Figure 4.124. —Continued

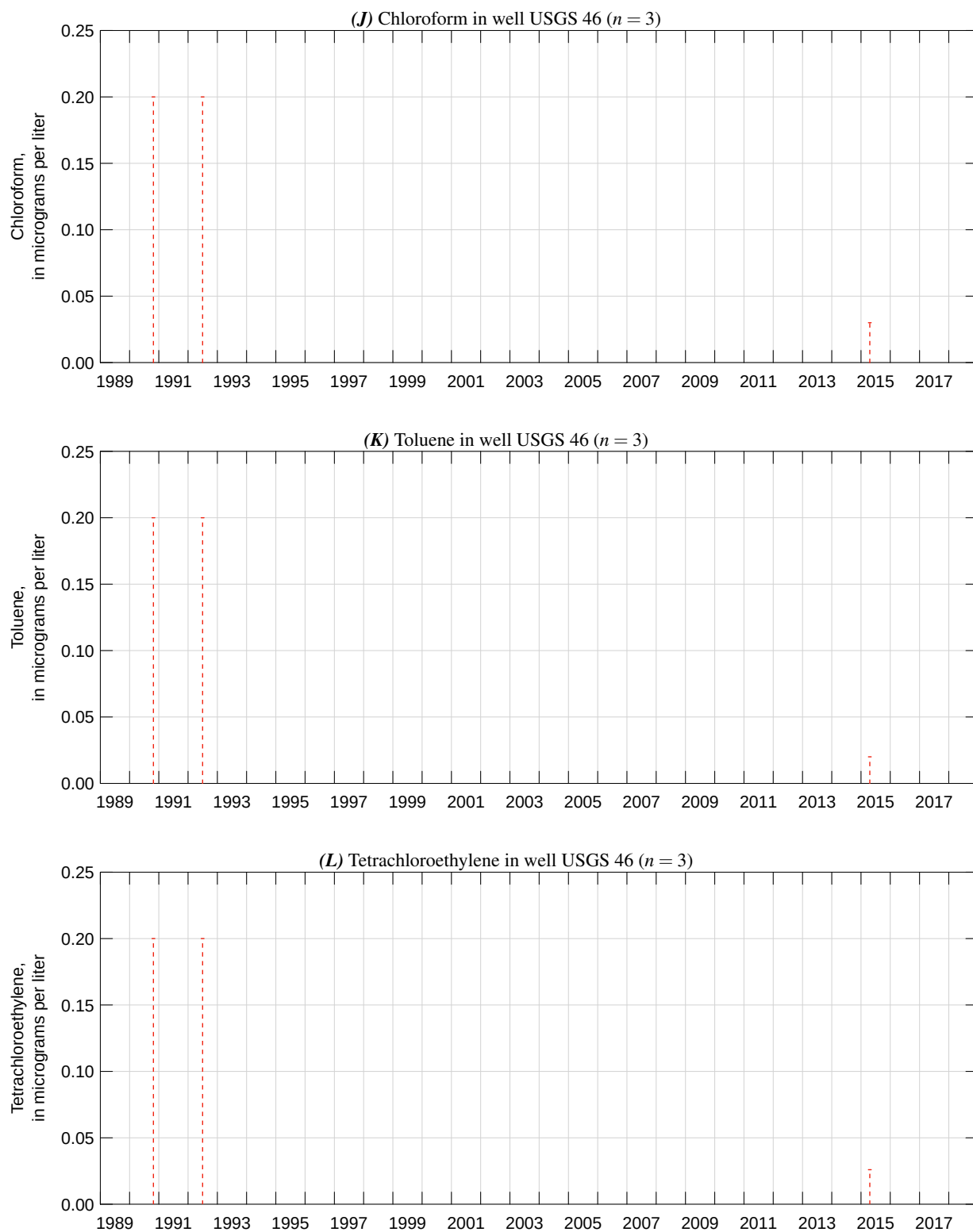


Figure 4.124. —Continued

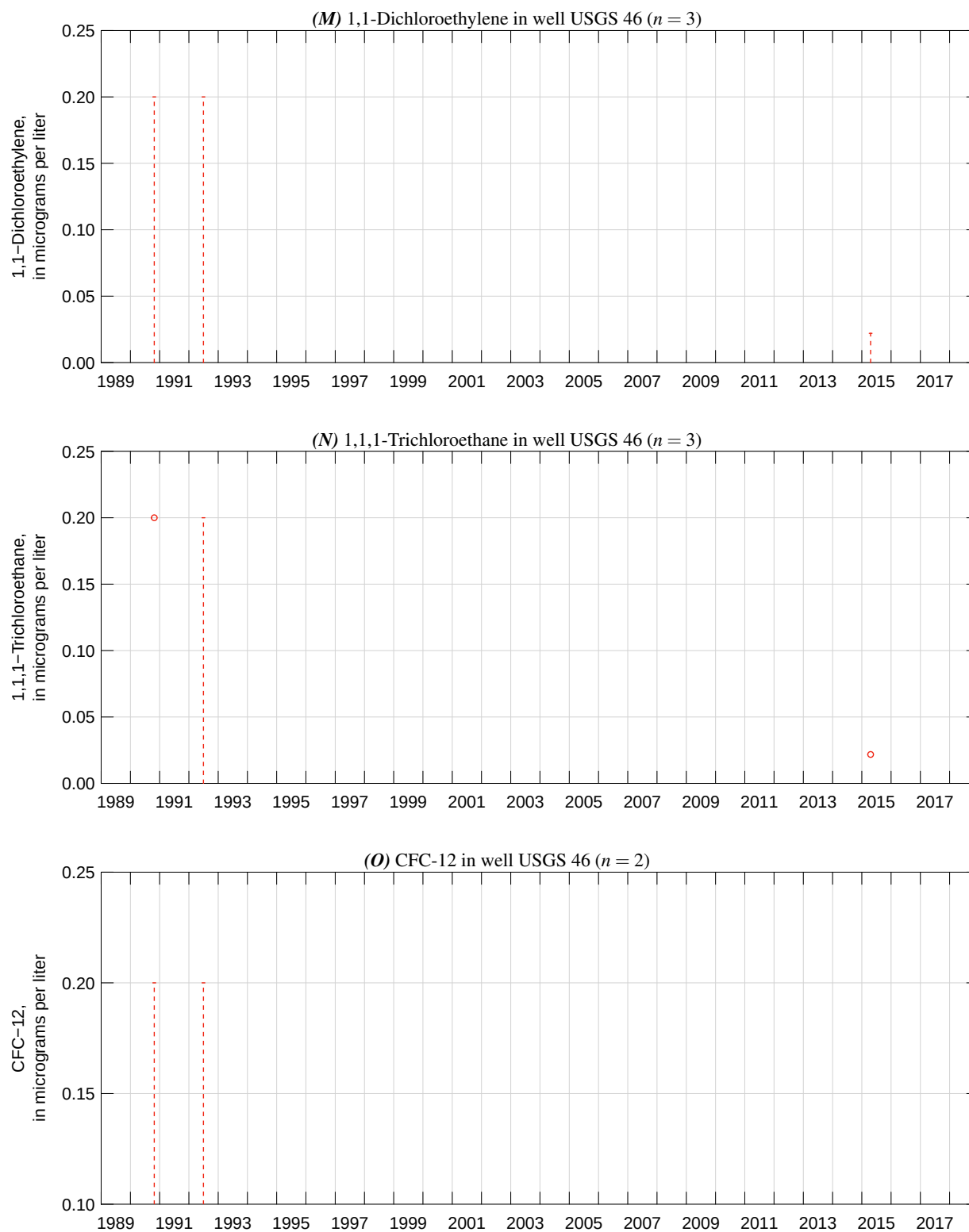


Figure 4.124. —Continued

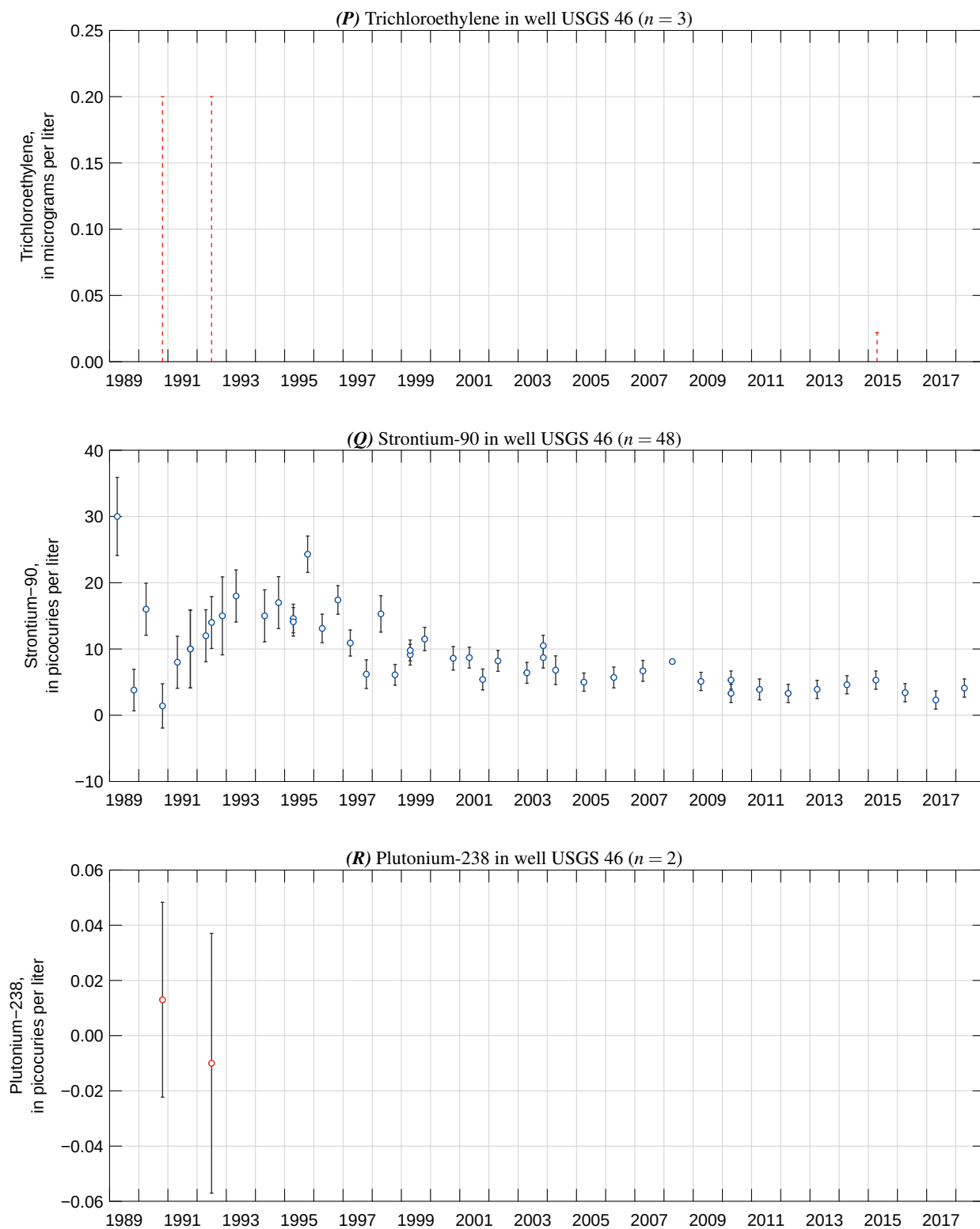


Figure 4.124. —Continued

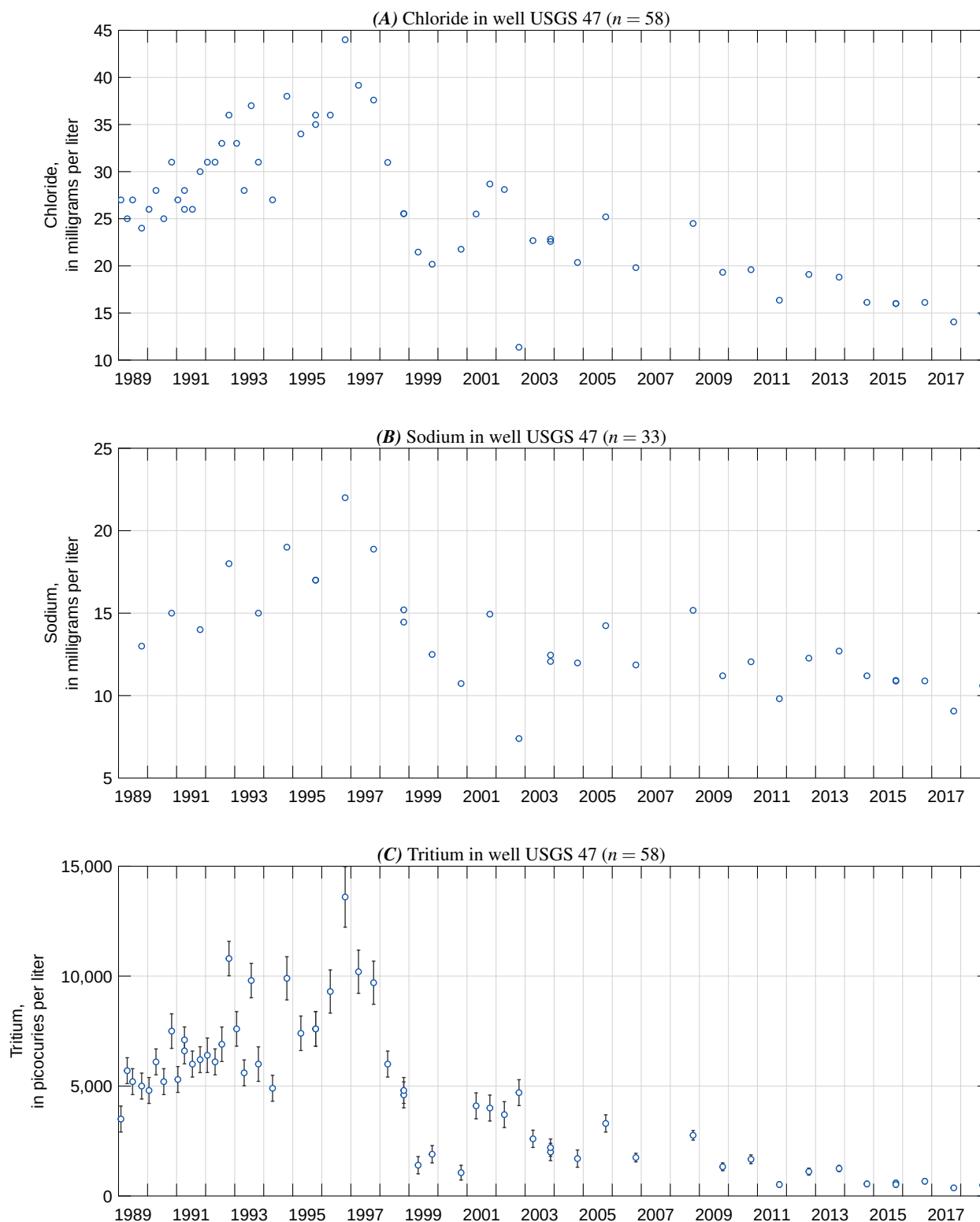


Figure 4.125. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) carbon tetrachloride, (I) chloroform, (J) toluene, (K) tetrachloroethylene, (L) 1,1-dichloroethylene, (M) 1,1,1-trichloroethane, (N) trichloroethylene, (O) strontium-90, and (P) plutonium-238 concentrations in water collected from well USGS 47 (Site No. 433407112560301), Idaho National Laboratory, Idaho, 1989–2018.

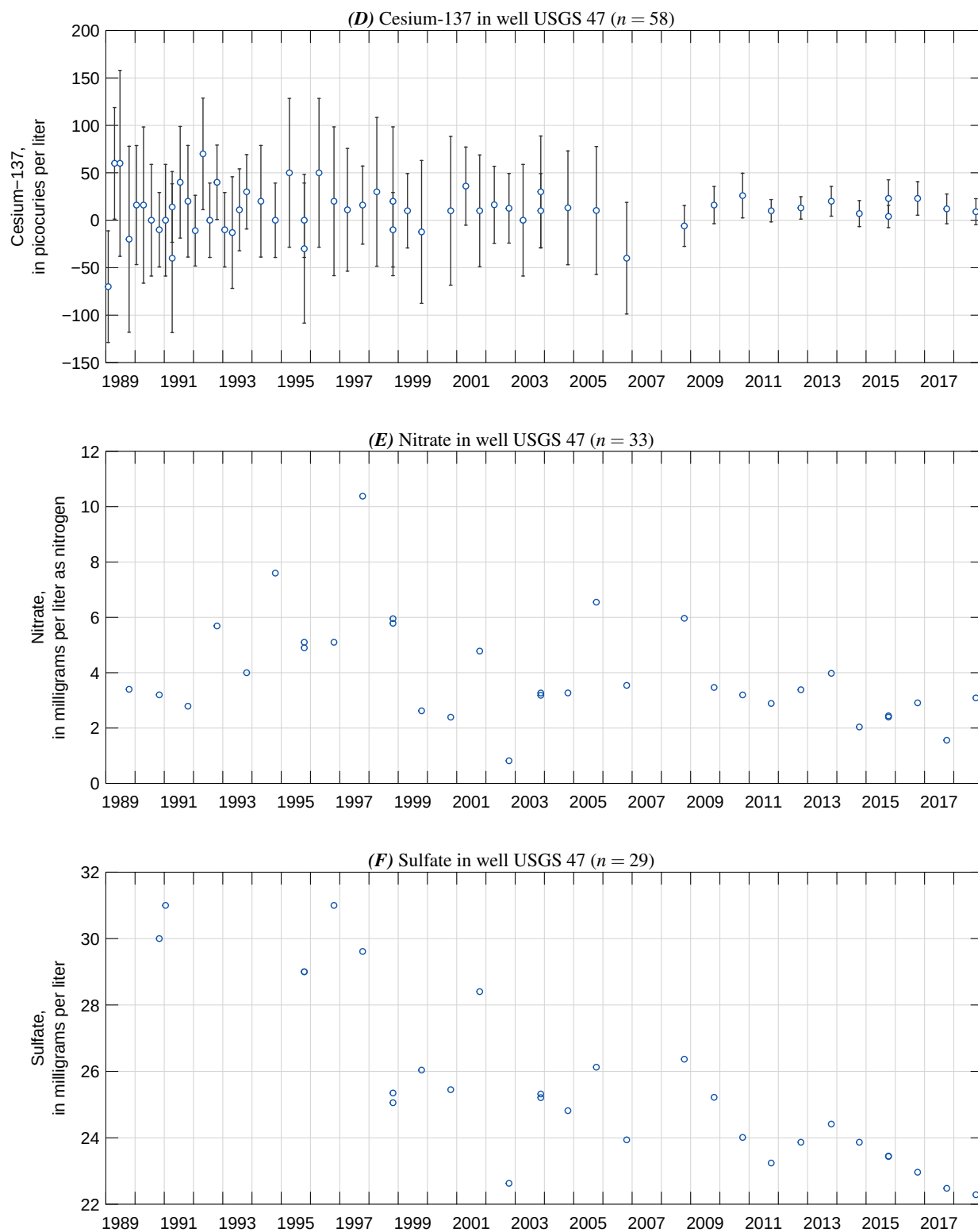


Figure 4.125. —Continued

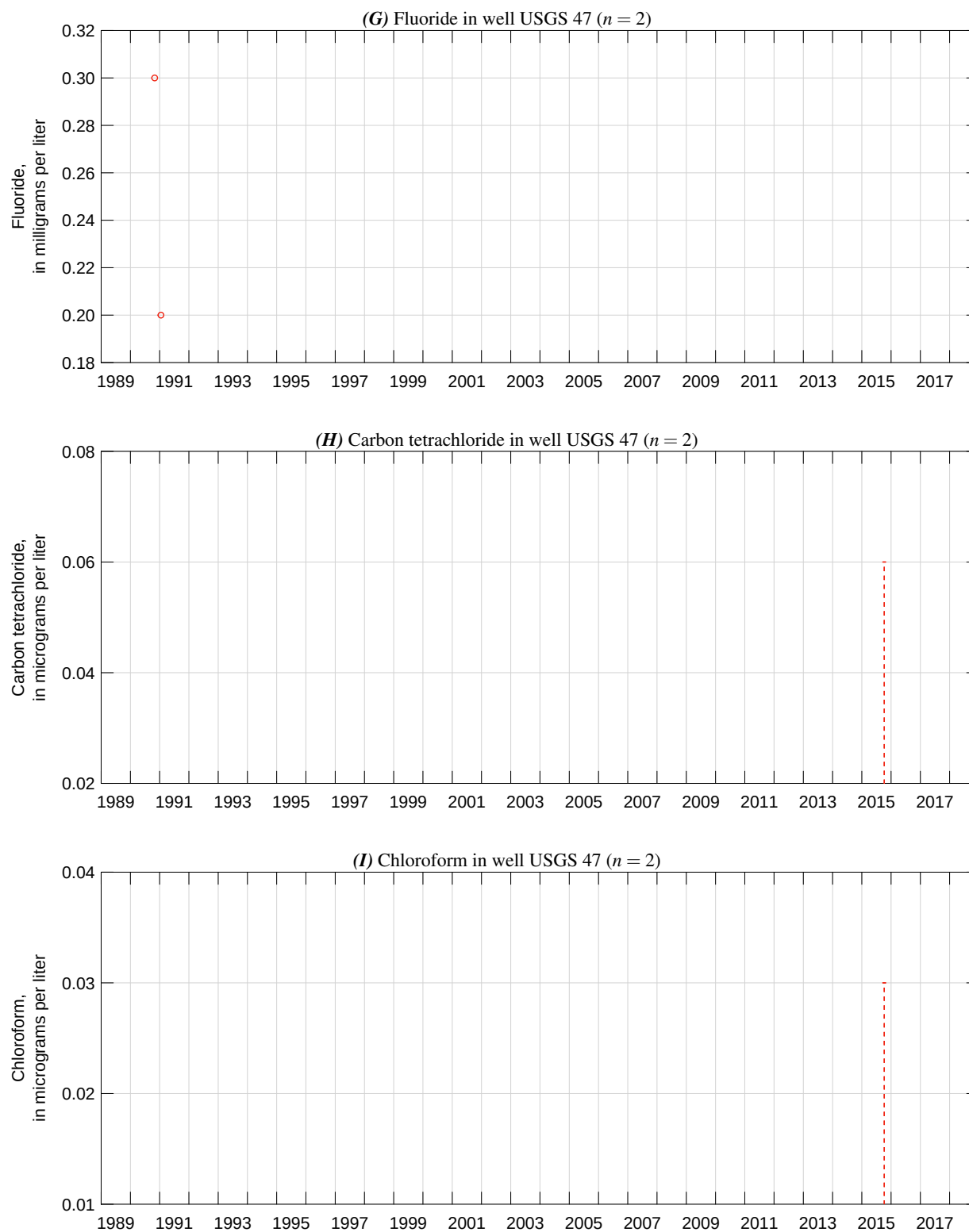


Figure 4.125. —Continued

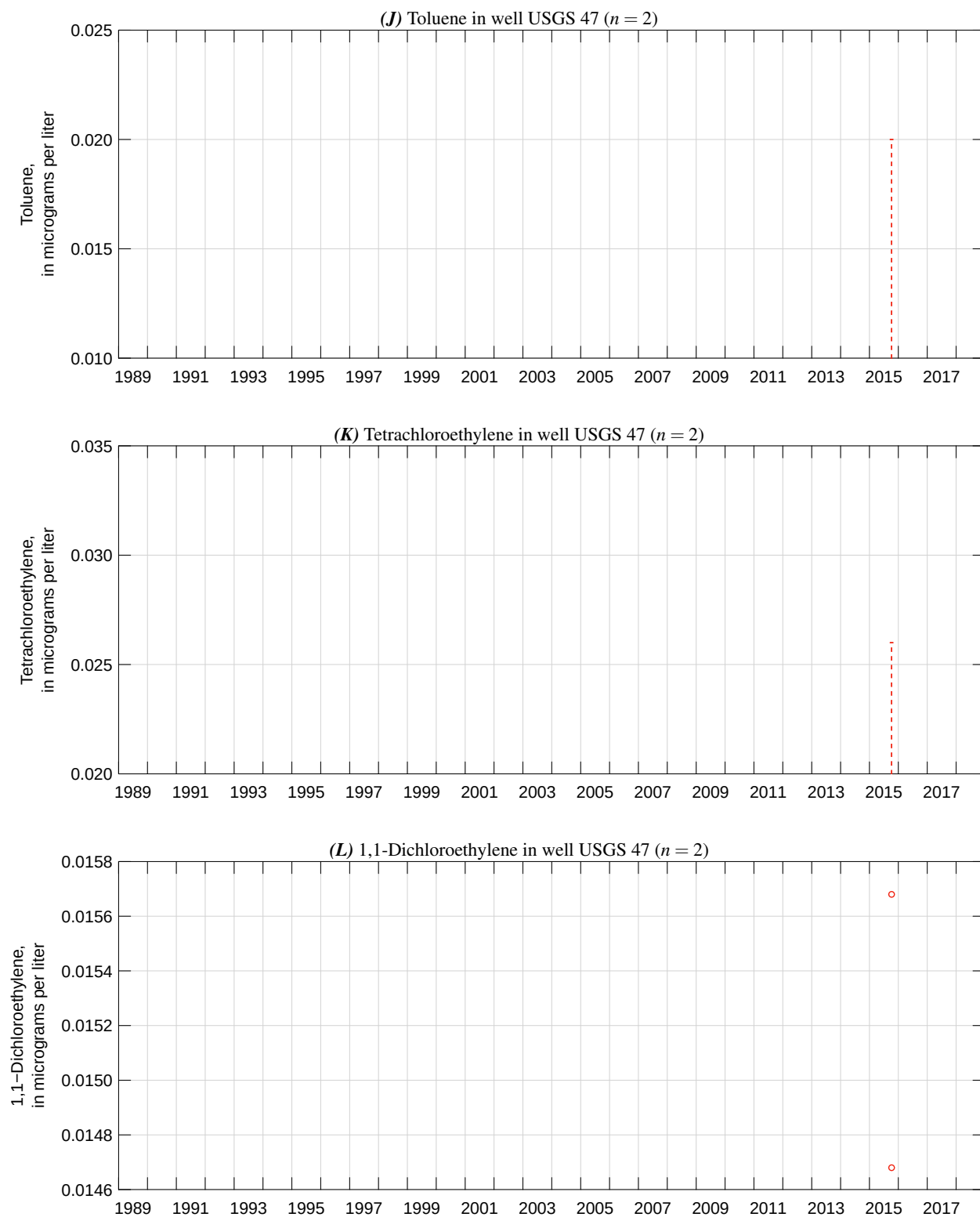


Figure 4.125. —Continued

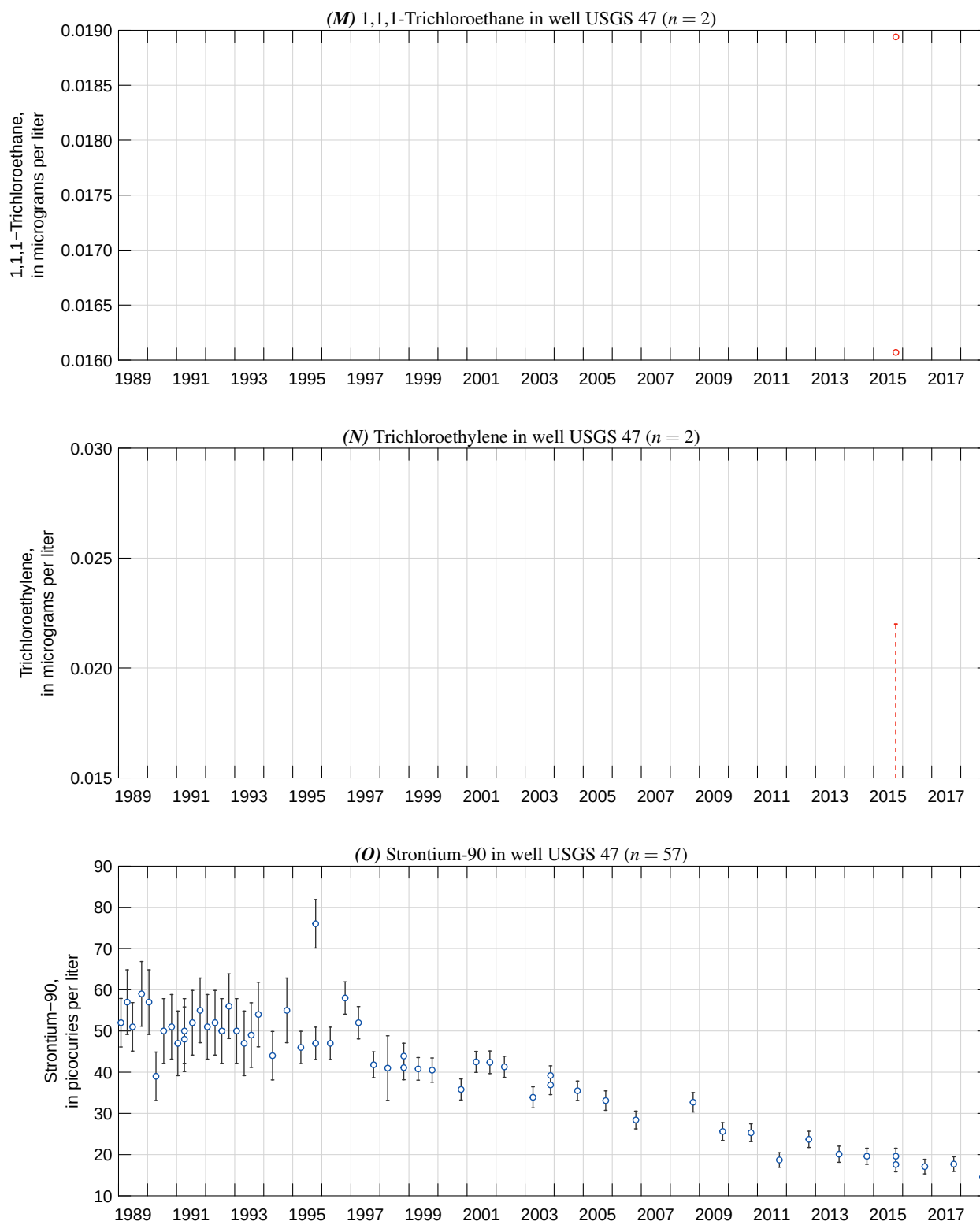
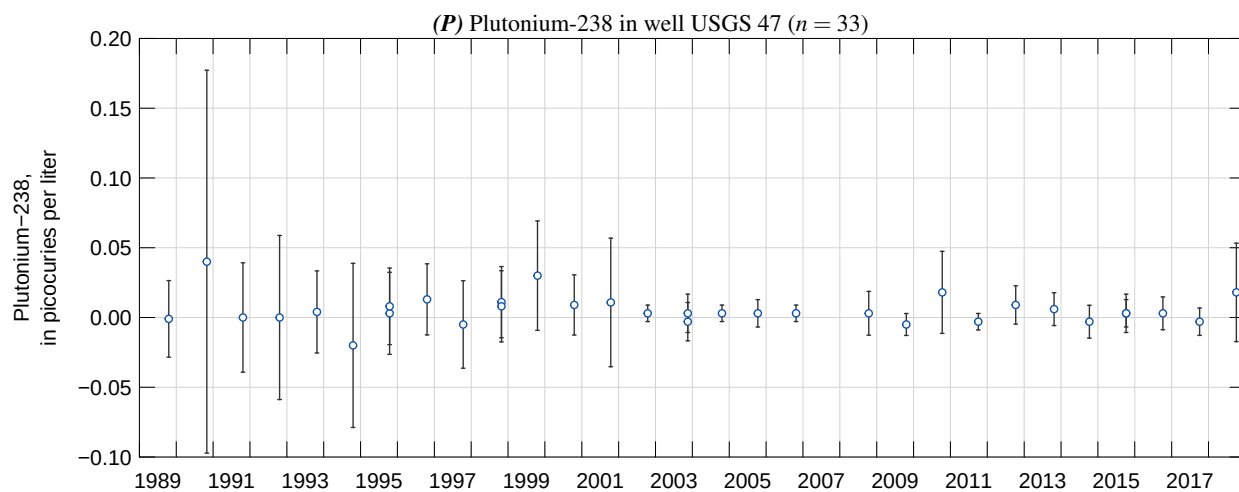


Figure 4.125. —Continued

**Figure 4.125.** —Continued

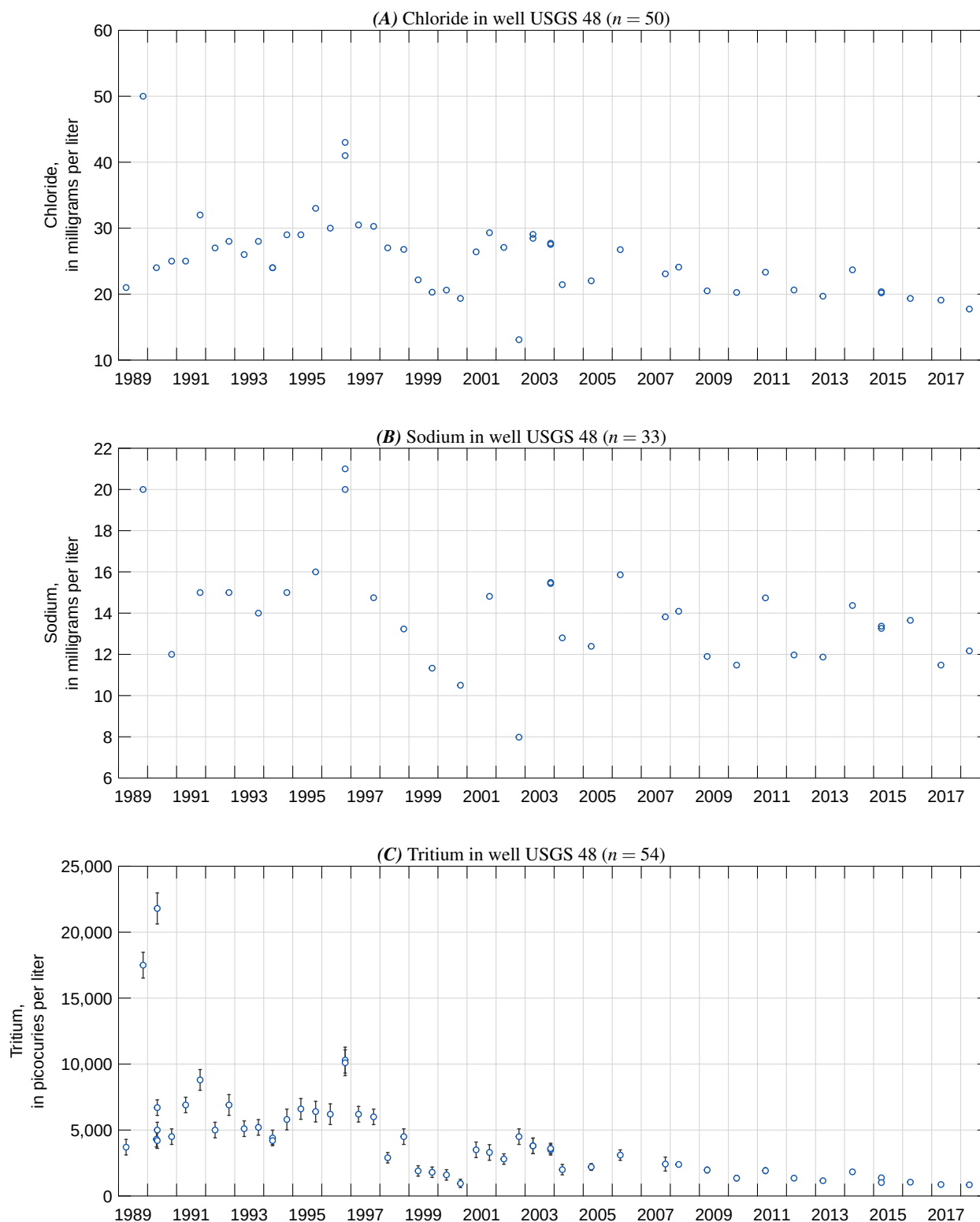


Figure 4.126. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, and (R) plutonium-238 concentrations in water collected from well USGS 48 (Site No. 433401112560301), Idaho National Laboratory, Idaho, 1989–2018.

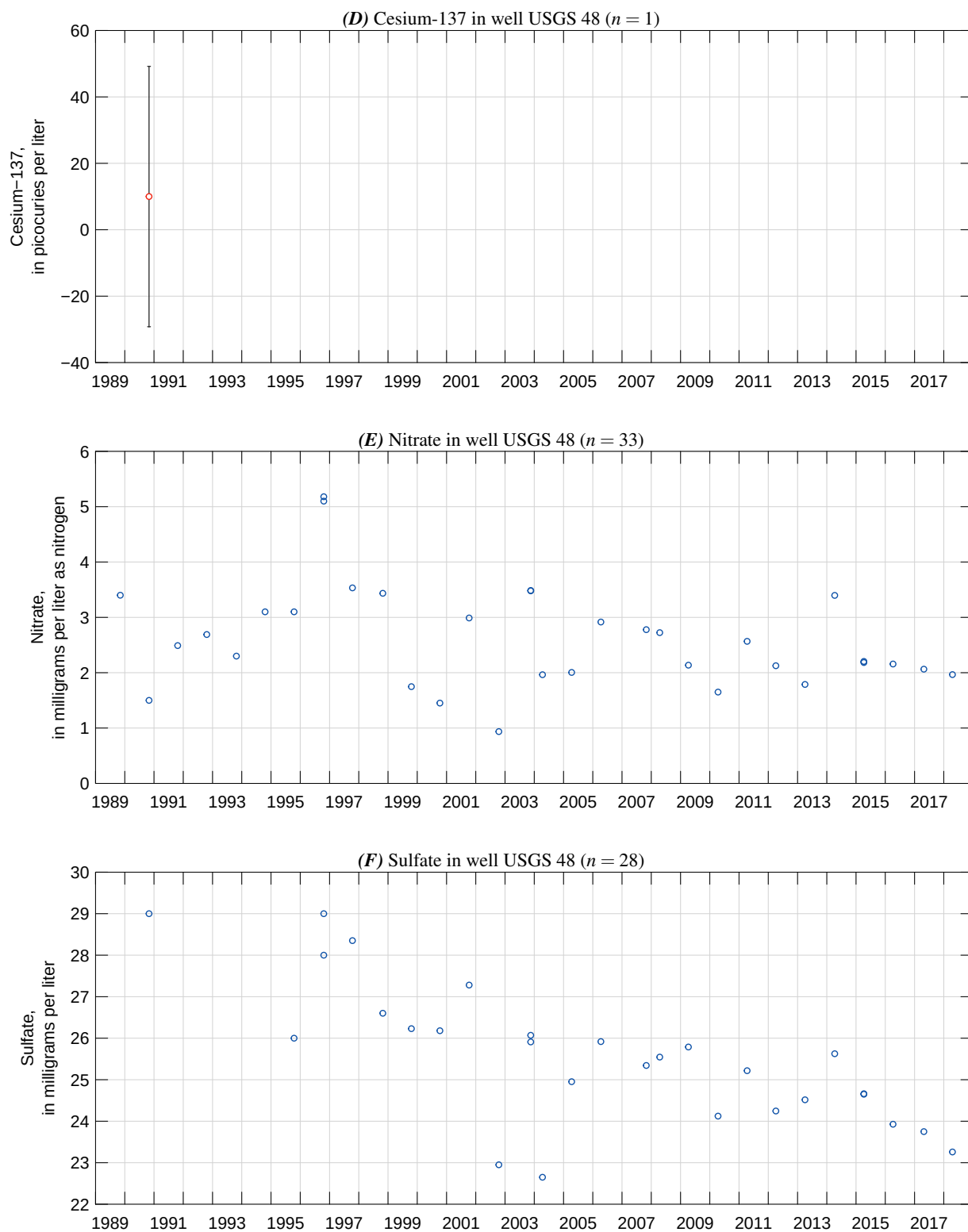


Figure 4.126. —Continued

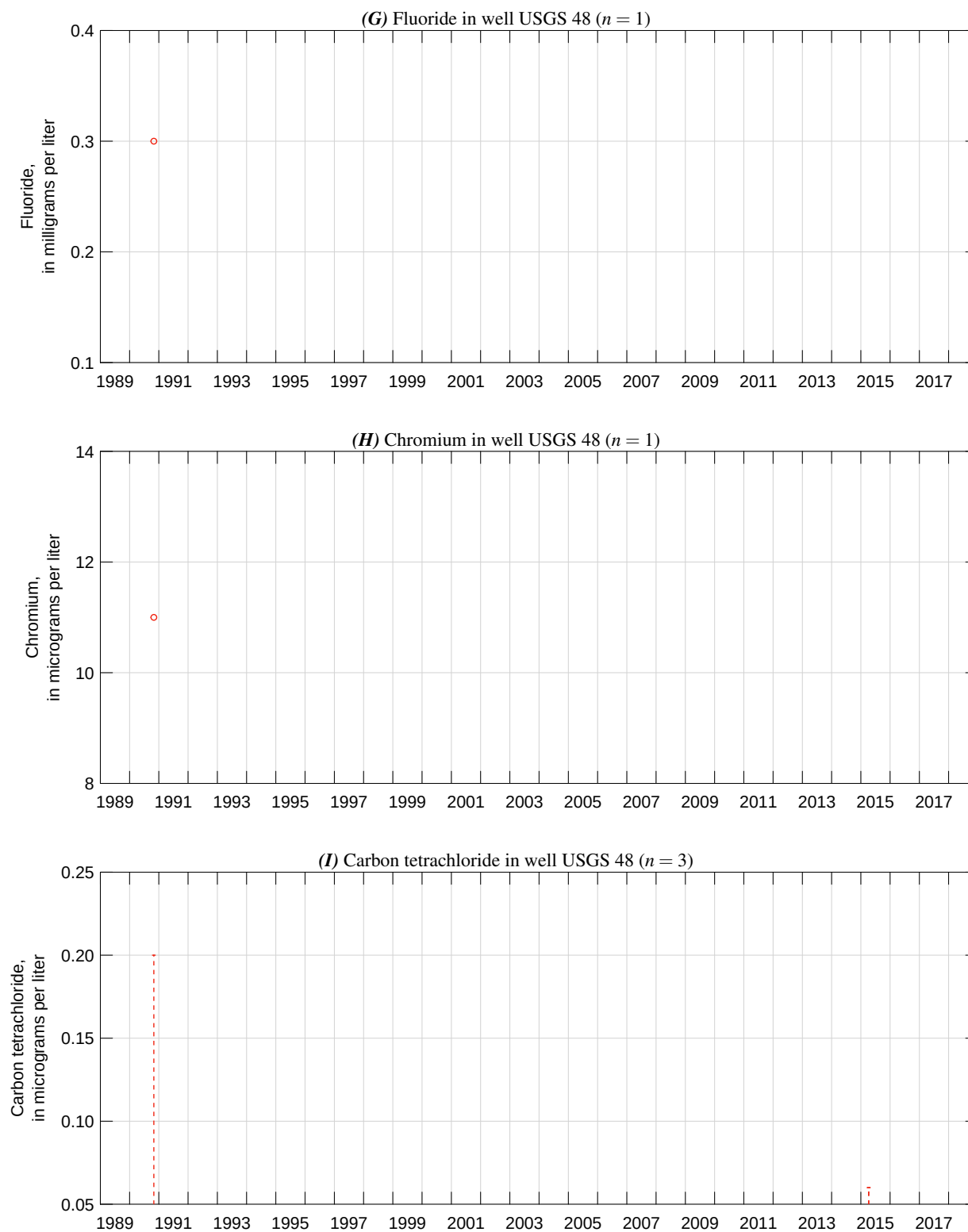


Figure 4.126. —Continued

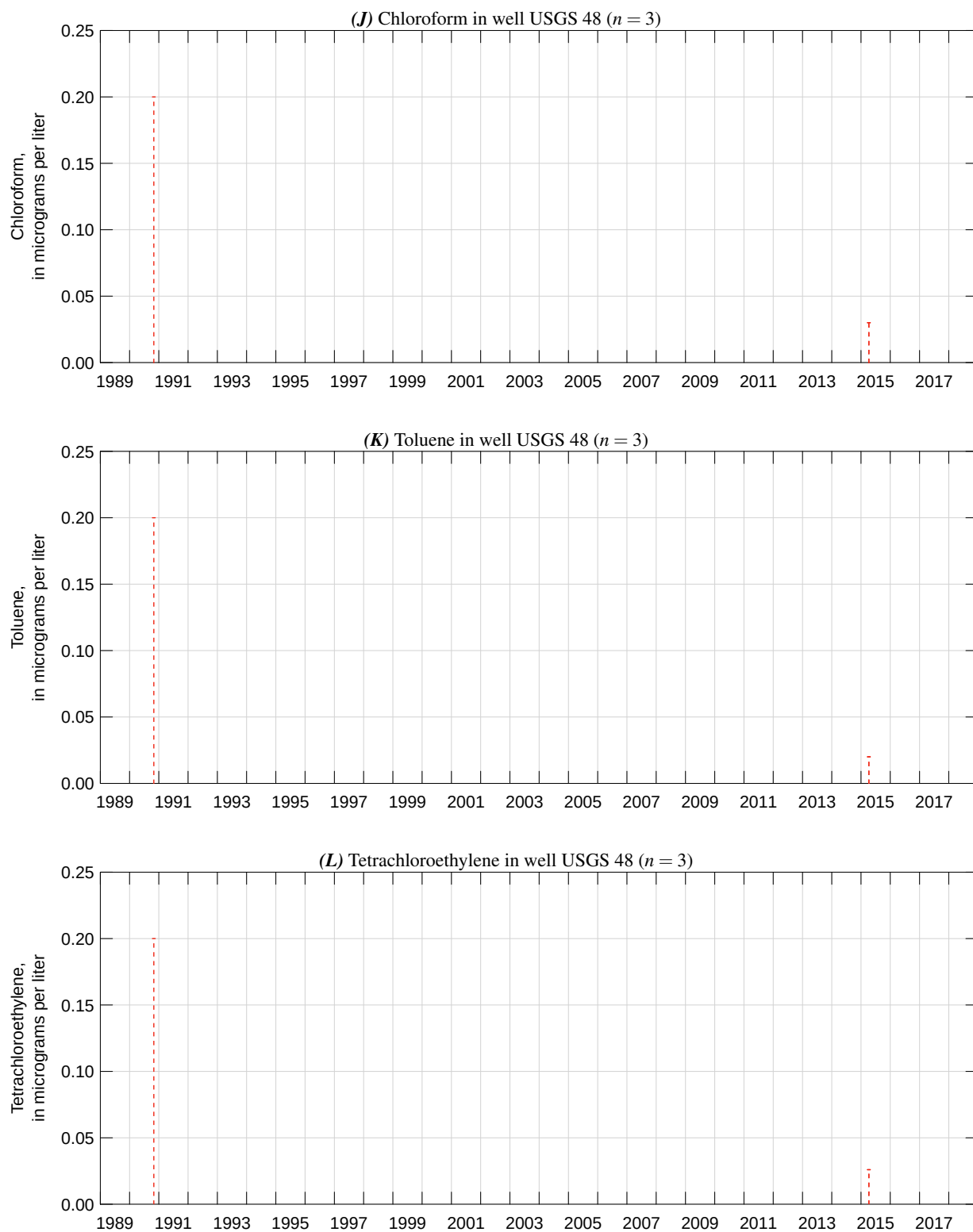


Figure 4.126. —Continued

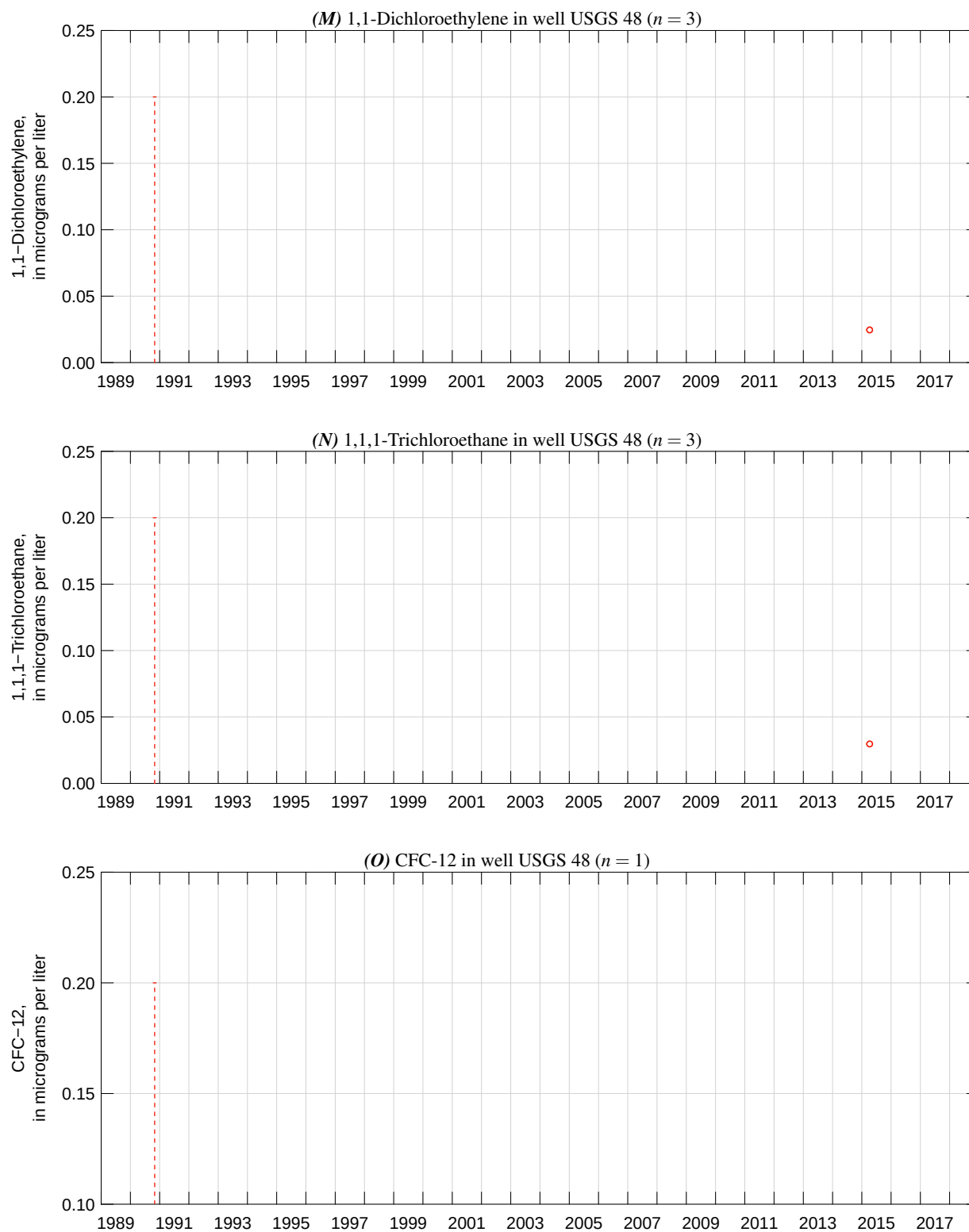


Figure 4.126. —Continued

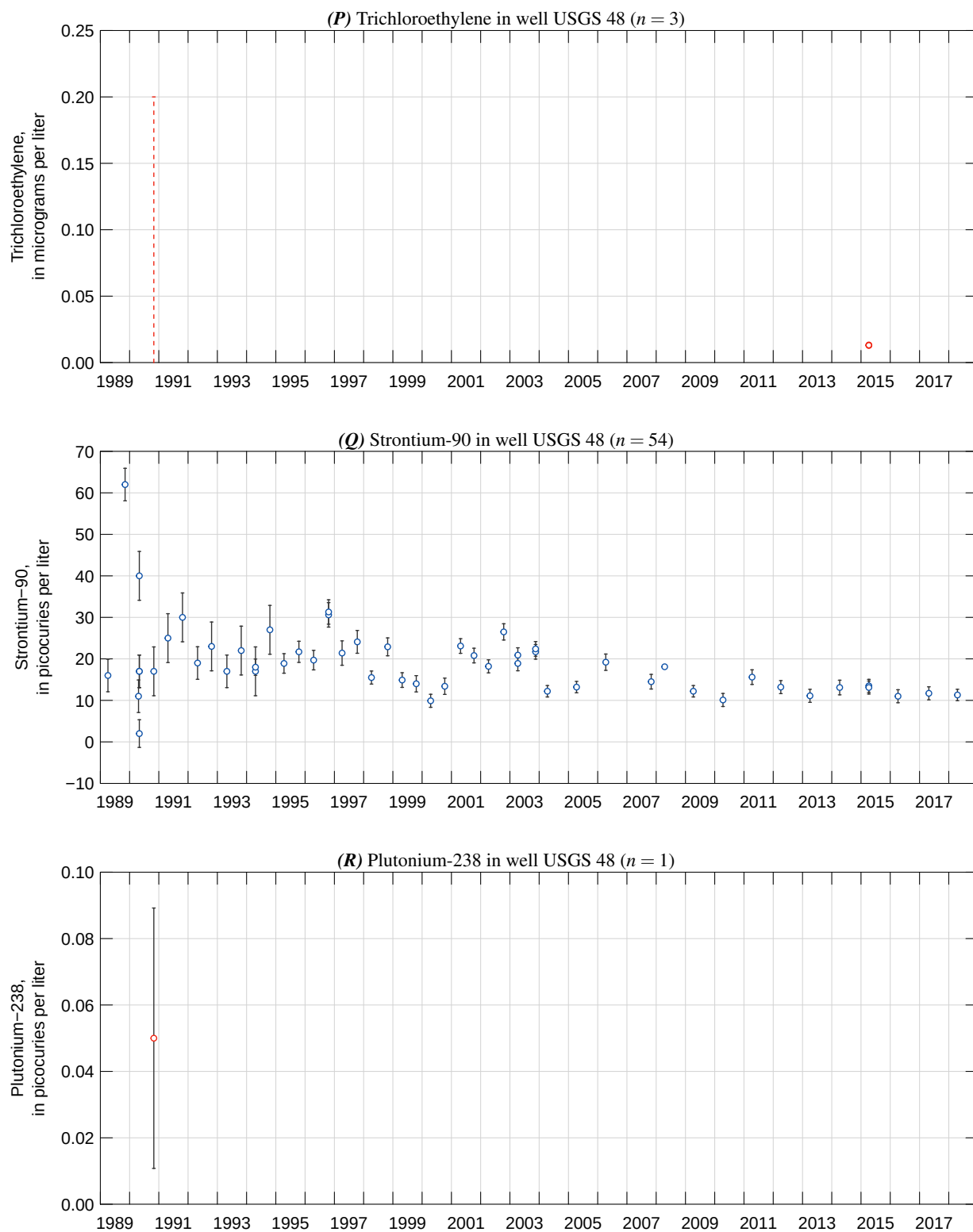


Figure 4.126. —Continued

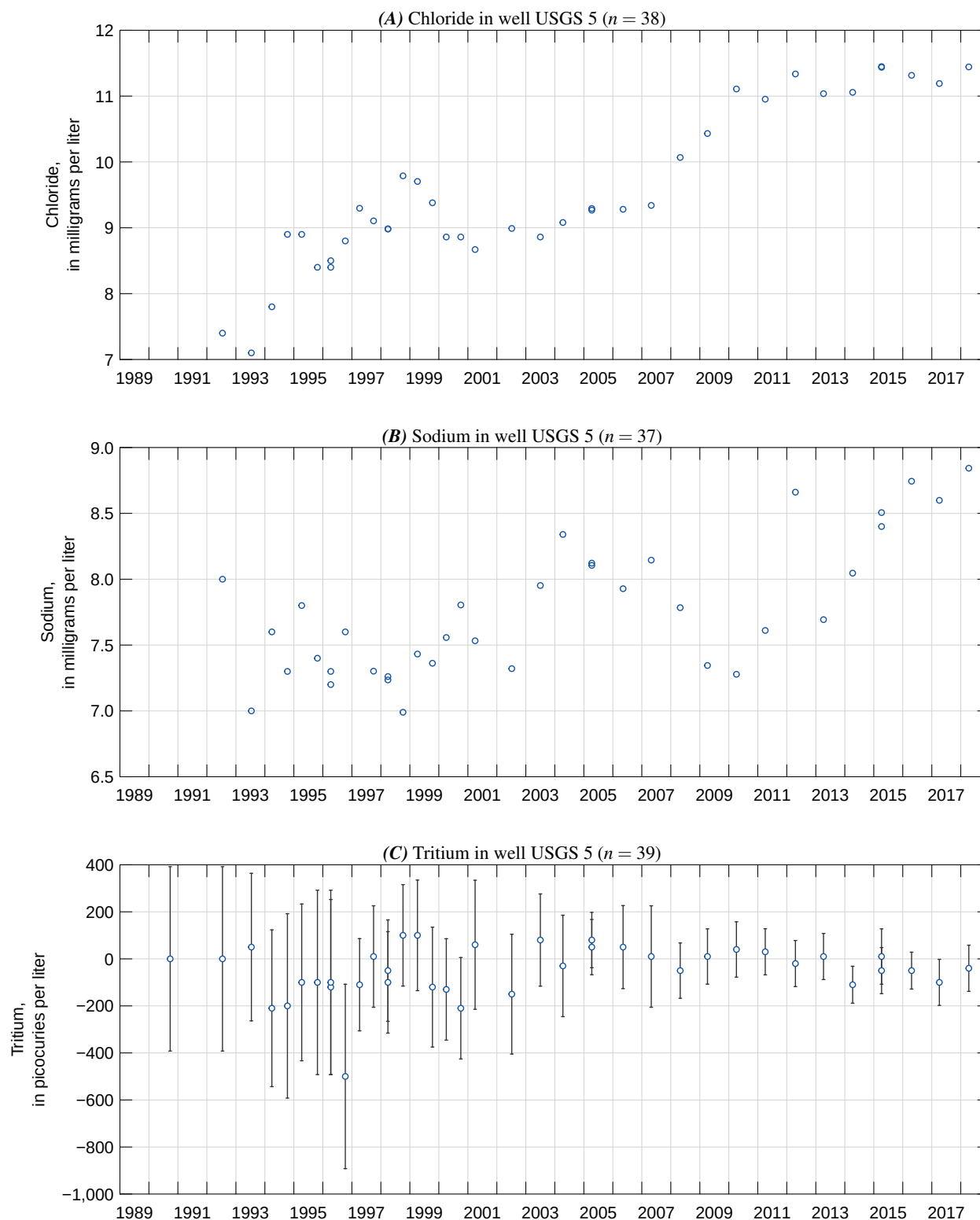


Figure 4.127. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) chromium, (G) carbon tetrachloride, (H) chloroform, (I) toluene, (J) tetrachloroethylene, (K) 1,1-dichloroethylene, (L) 1,1,1-trichloroethane, (M) cfc-12, (N) trichloroethylene, (O) strontium-90, (P) plutonium-238, (Q) alpha particle, and (R) beta particle concentrations in water collected from well USGS 5 (Site No. 433543112493801), Idaho National Laboratory, Idaho, 1989–2018.

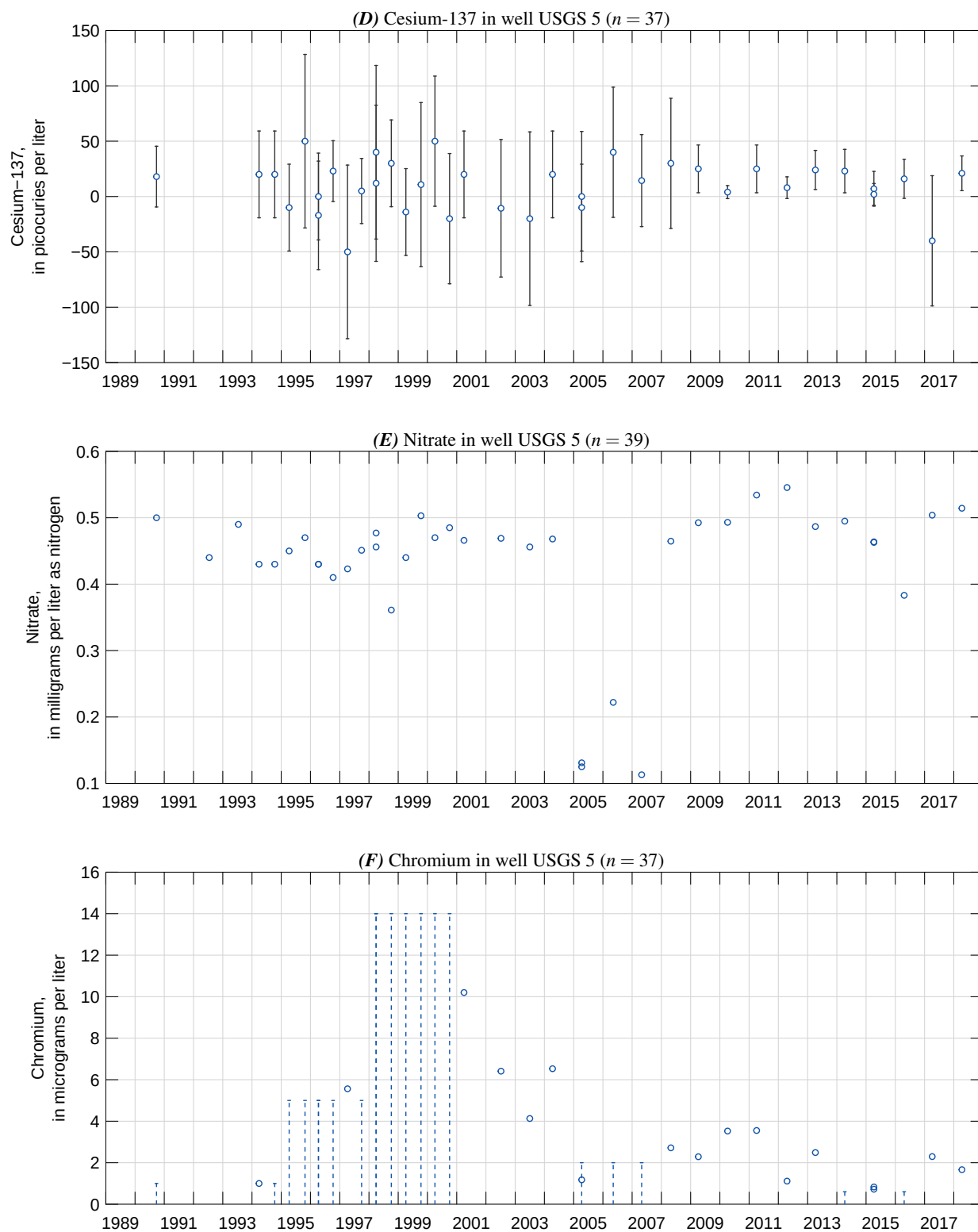


Figure 4.127. —Continued

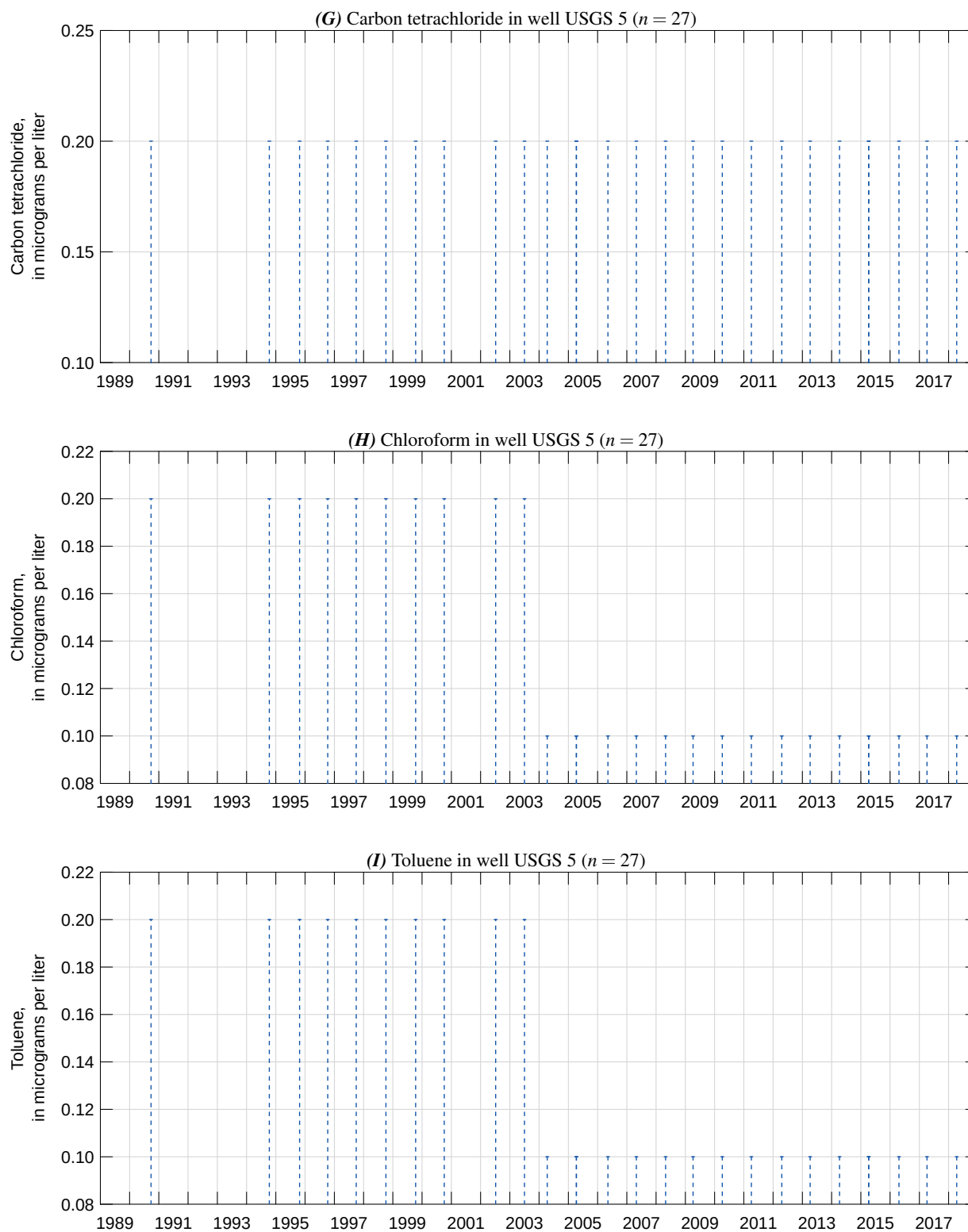


Figure 4.127. —Continued

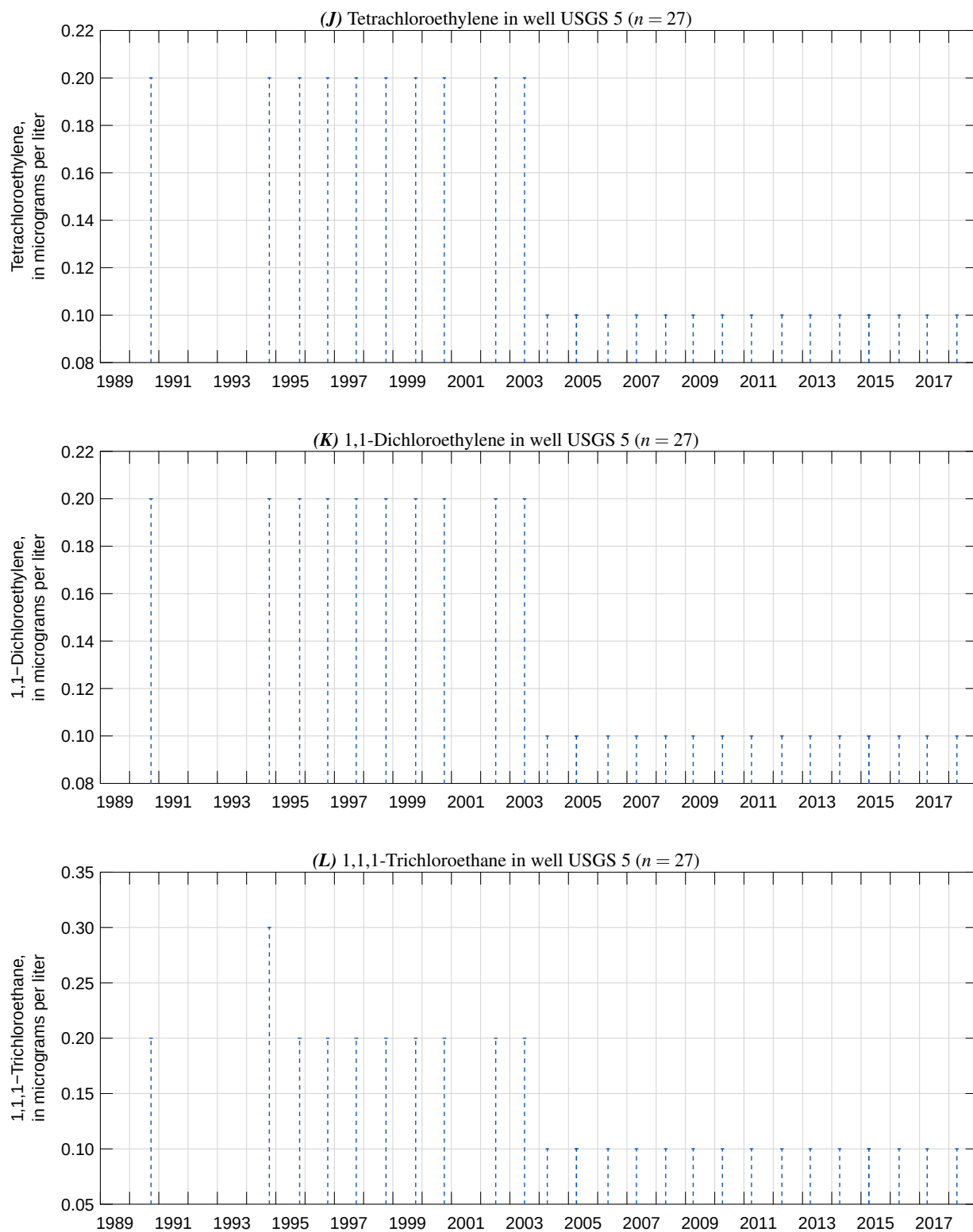


Figure 4.127. —Continued

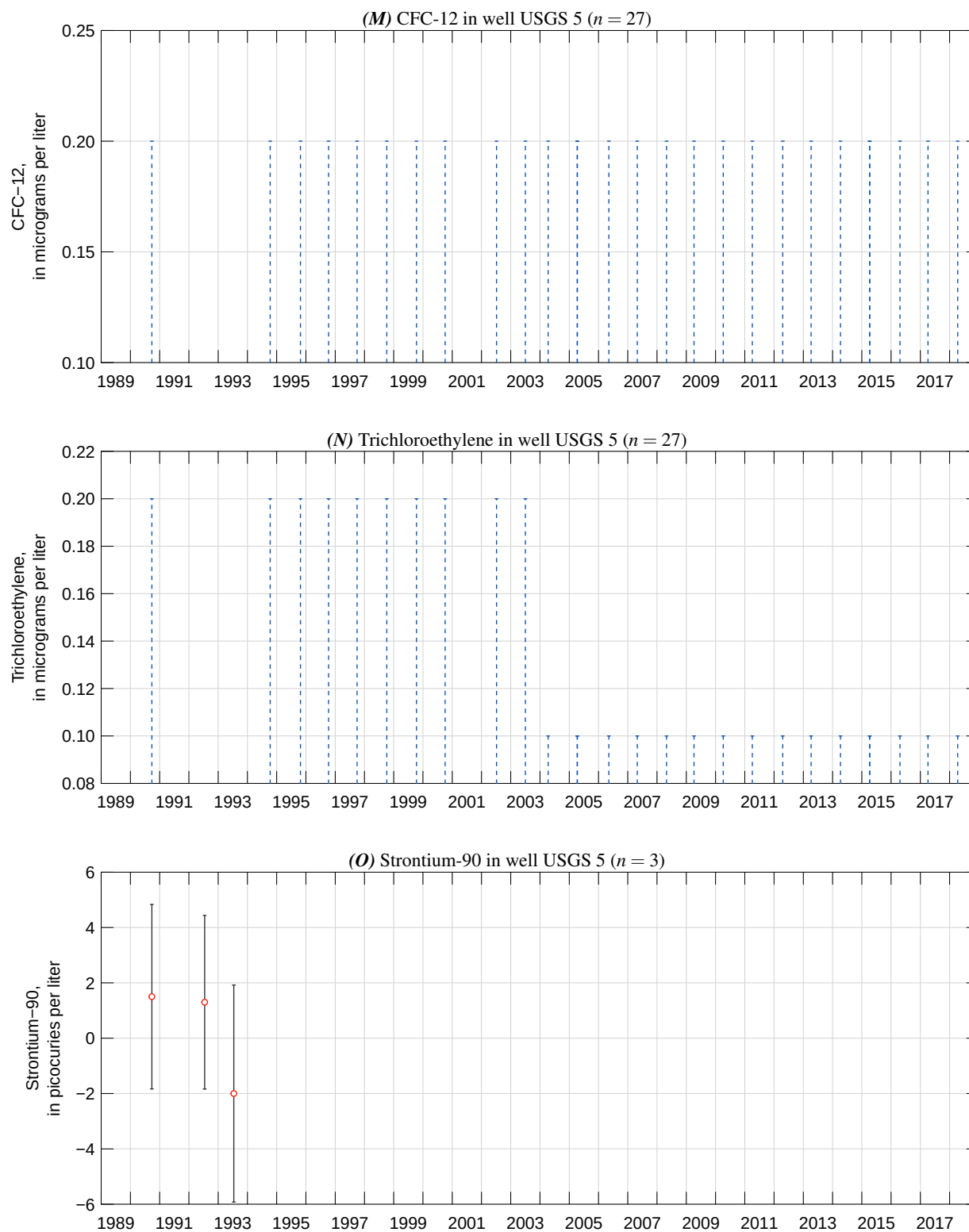


Figure 4.127. —Continued

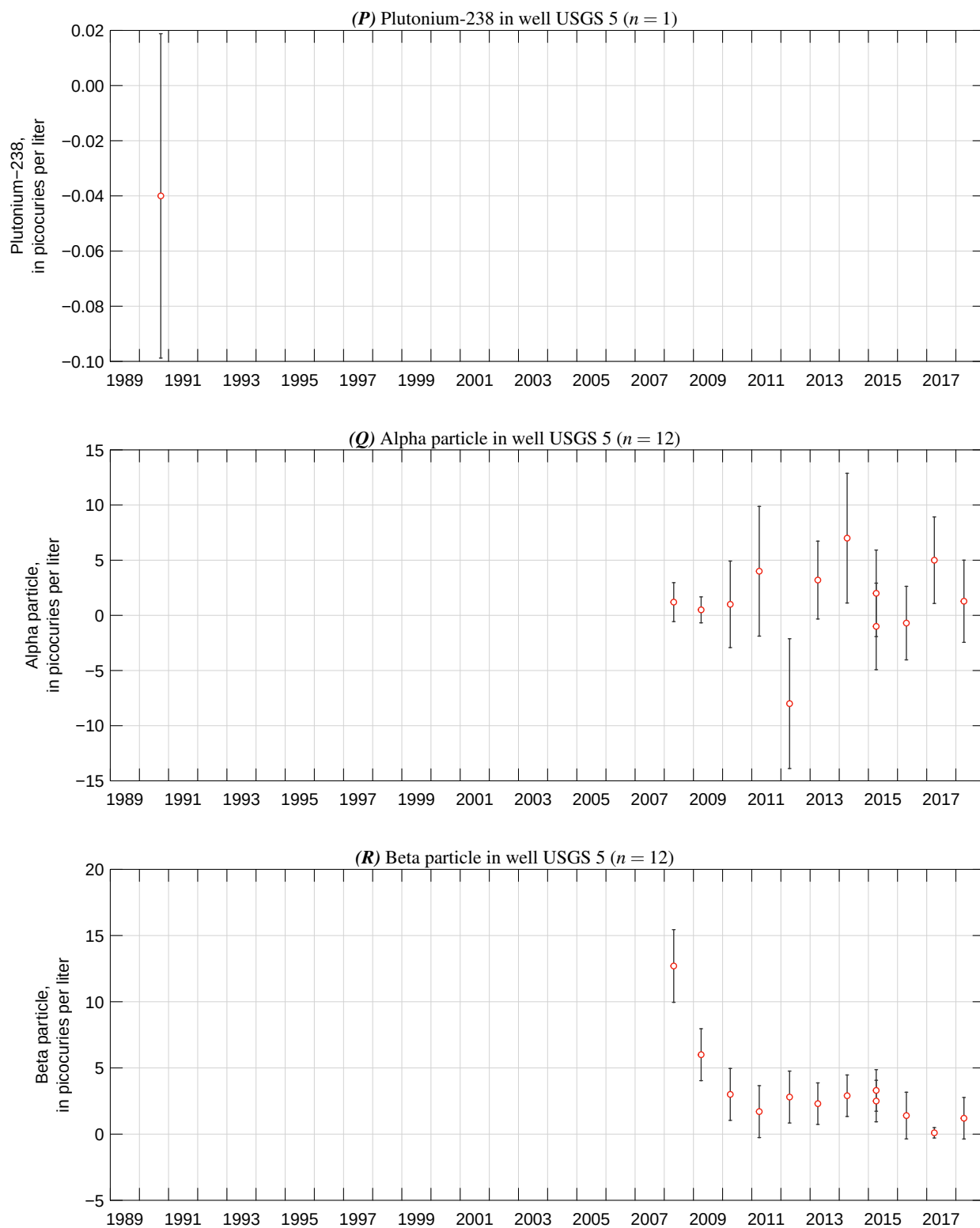


Figure 4.127. —Continued

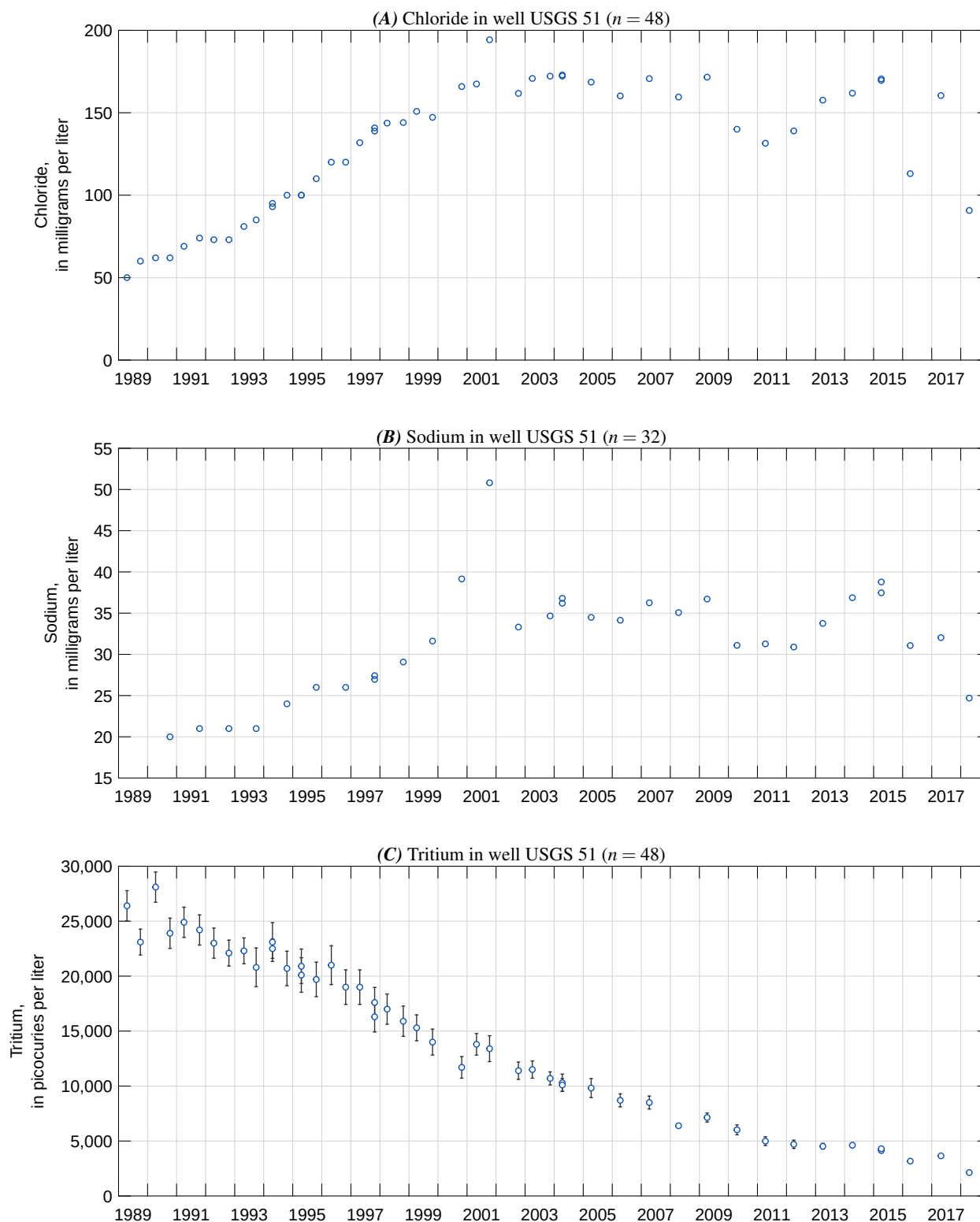


Figure 4.128. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) carbon tetrachloride, (I) chloroform, (J) toluene, (K) tetrachloroethylene, (L) 1,1-dichloroethylene, (M) 1,1,1-trichloroethane, (N) trichloroethylene, and (O) strontium-90 concentrations in water collected from well USGS 51 (Site No. 433350112560601), Idaho National Laboratory, Idaho, 1989–2018.

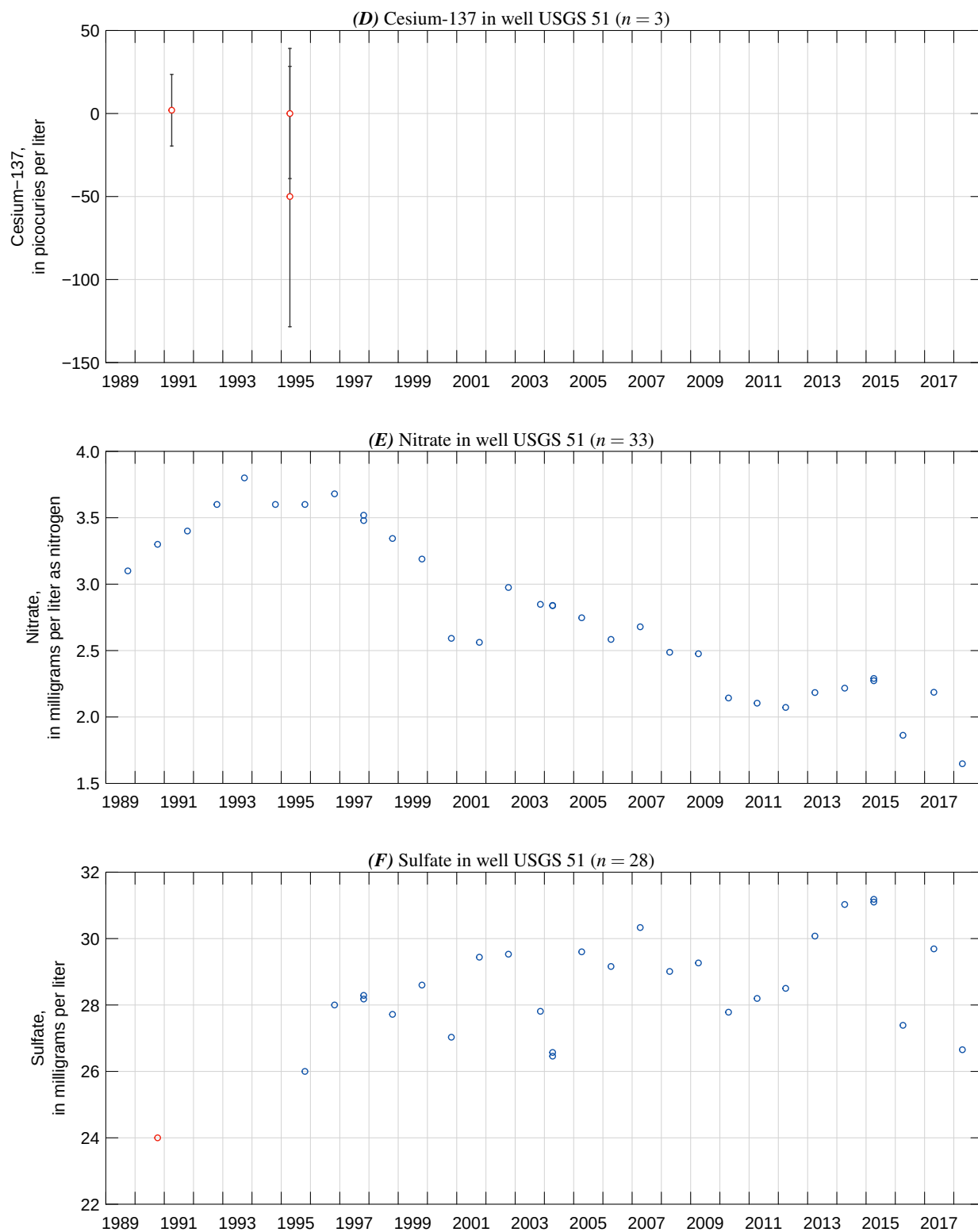
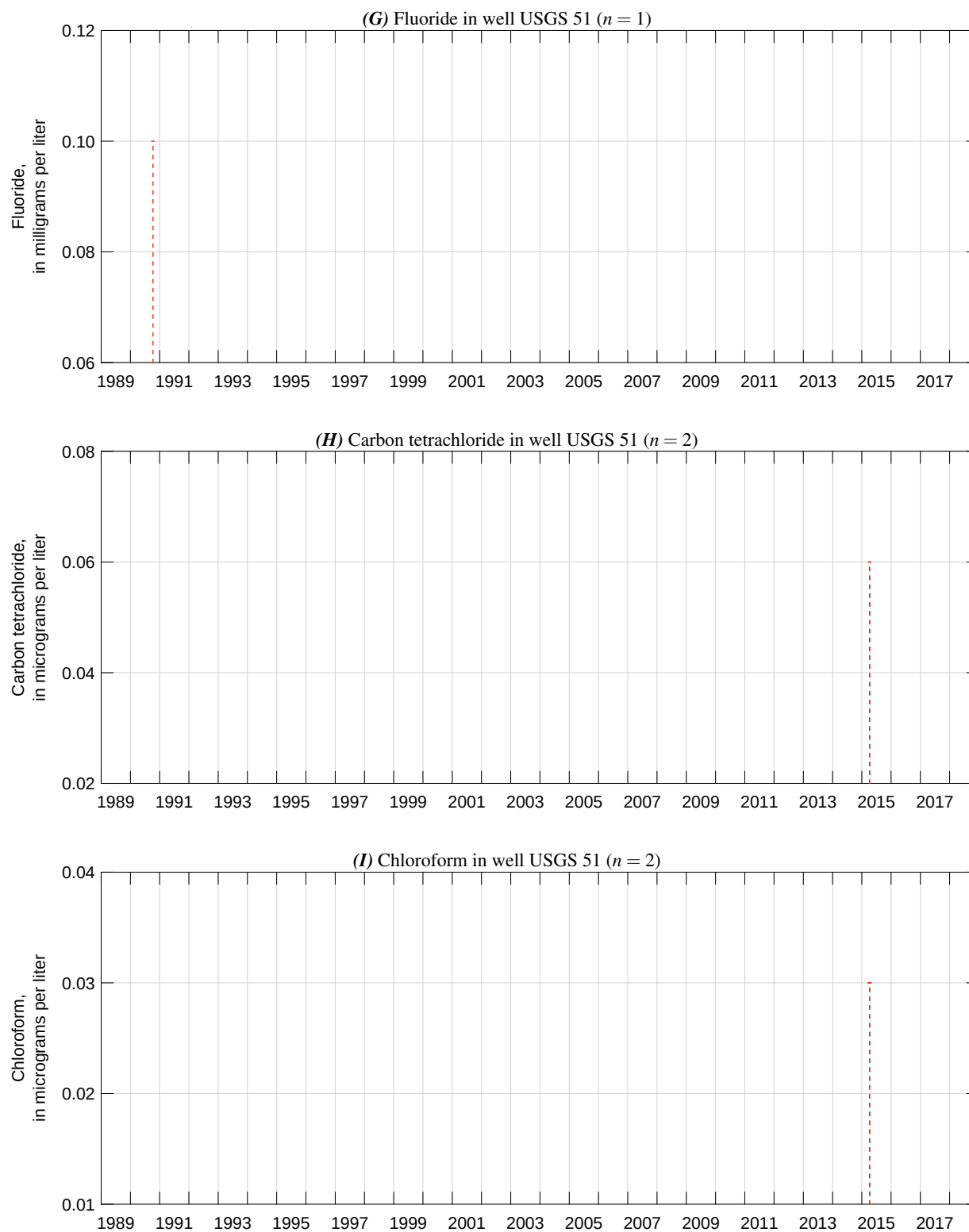


Figure 4.128. —Continued



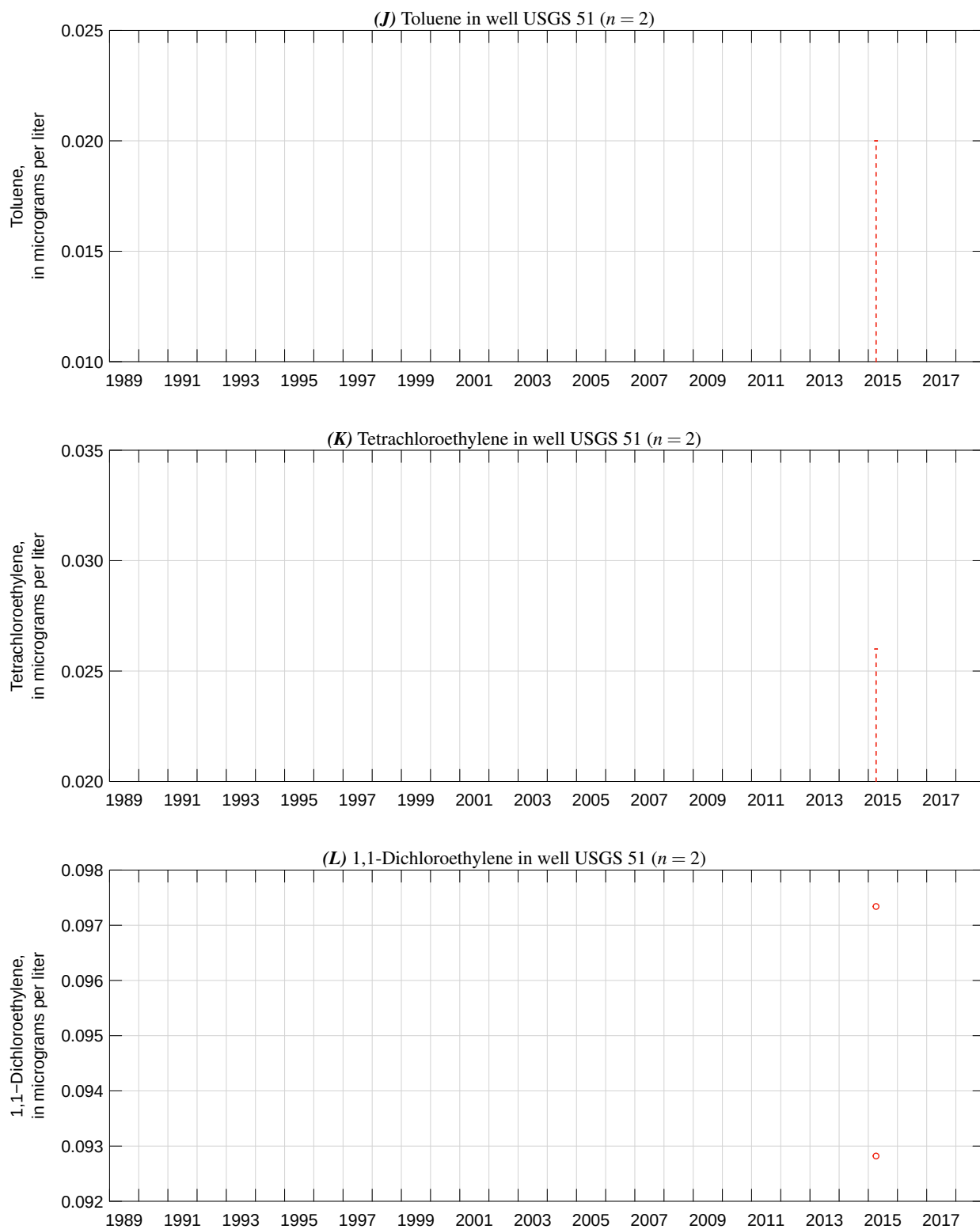


Figure 4.128. —Continued

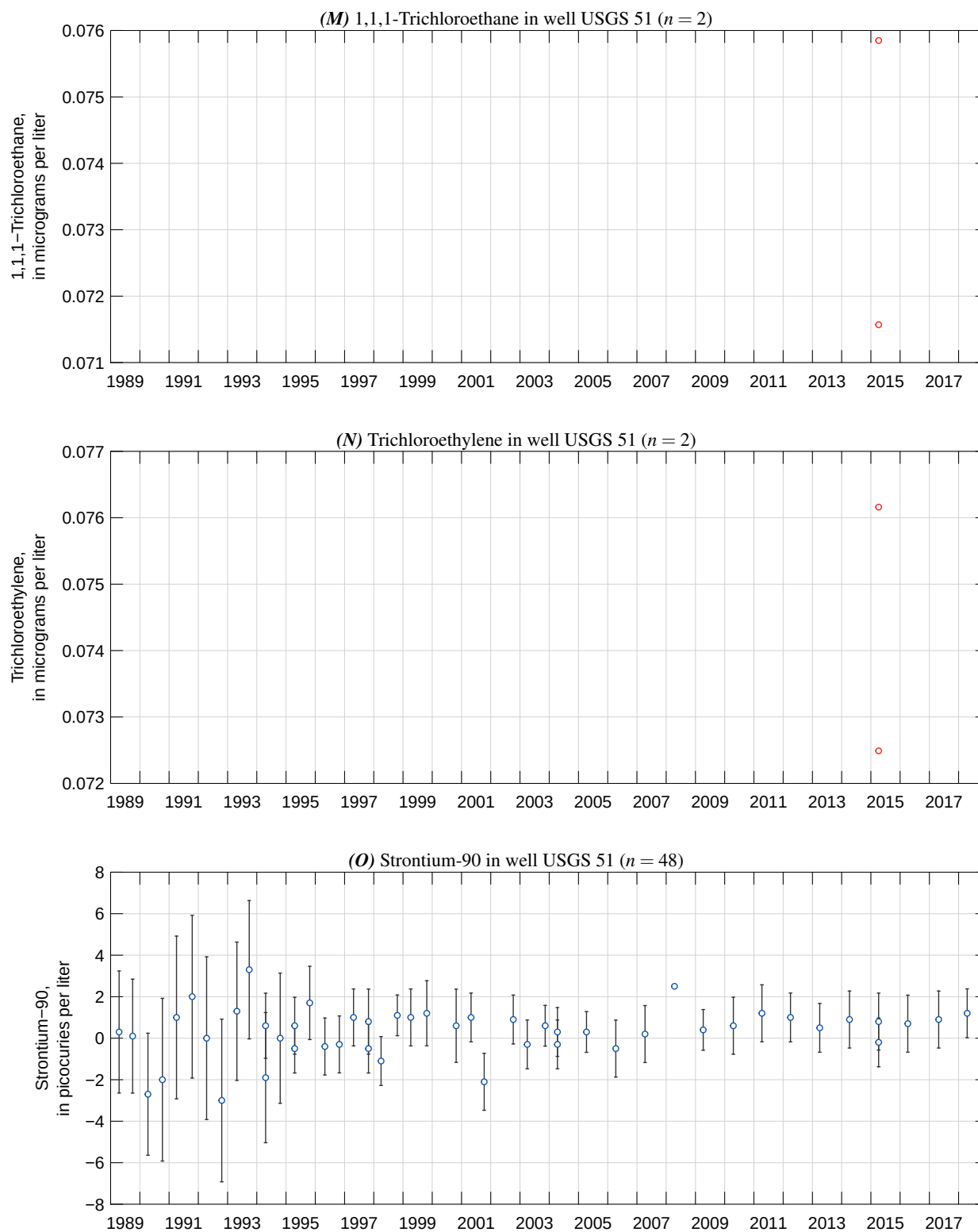


Figure 4.128. —Continued

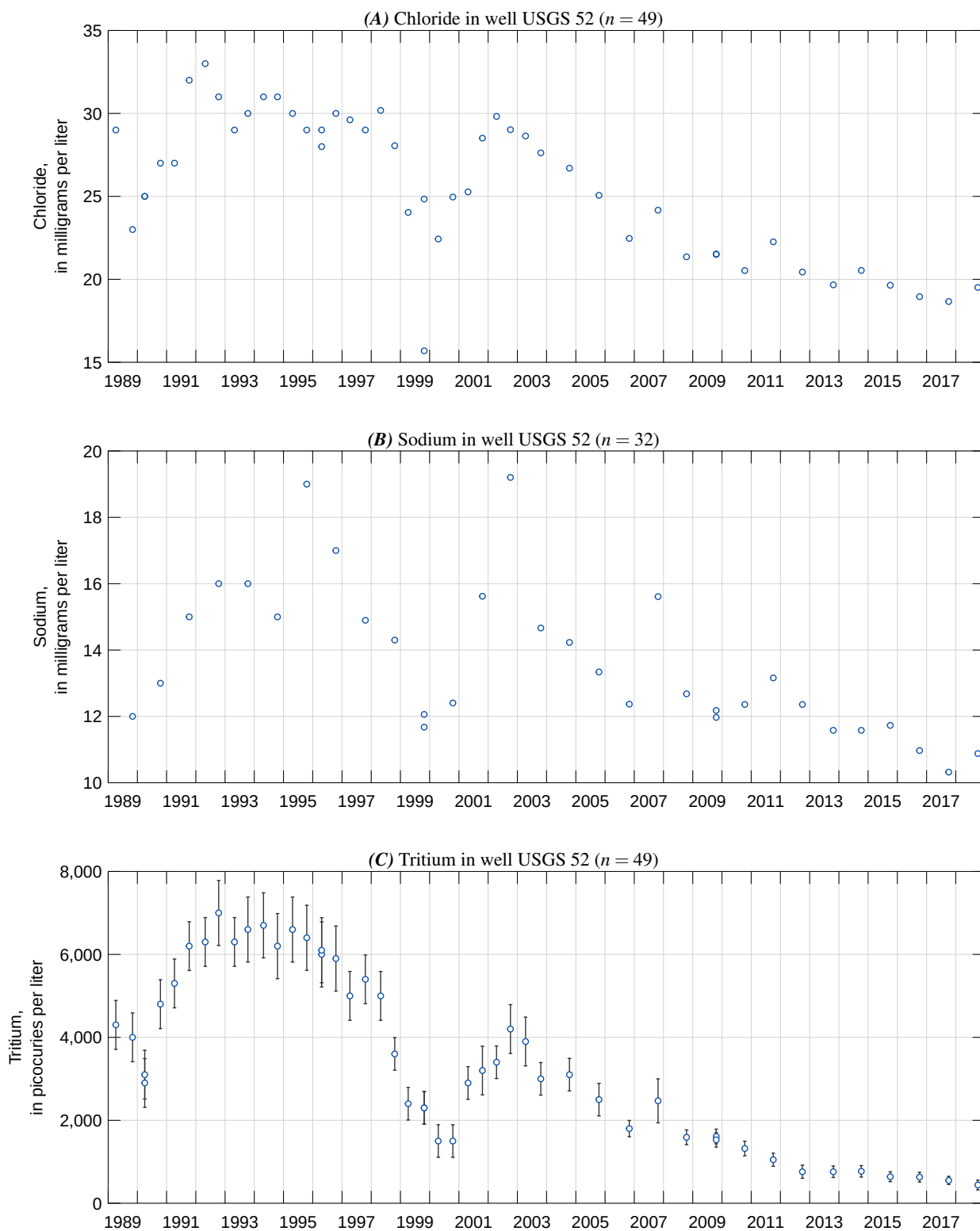


Figure 4.129. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, and (R) plutonium-238 concentrations in water collected from well USGS 52 (Site No. 433414112554201), Idaho National Laboratory, Idaho, 1989–2018.

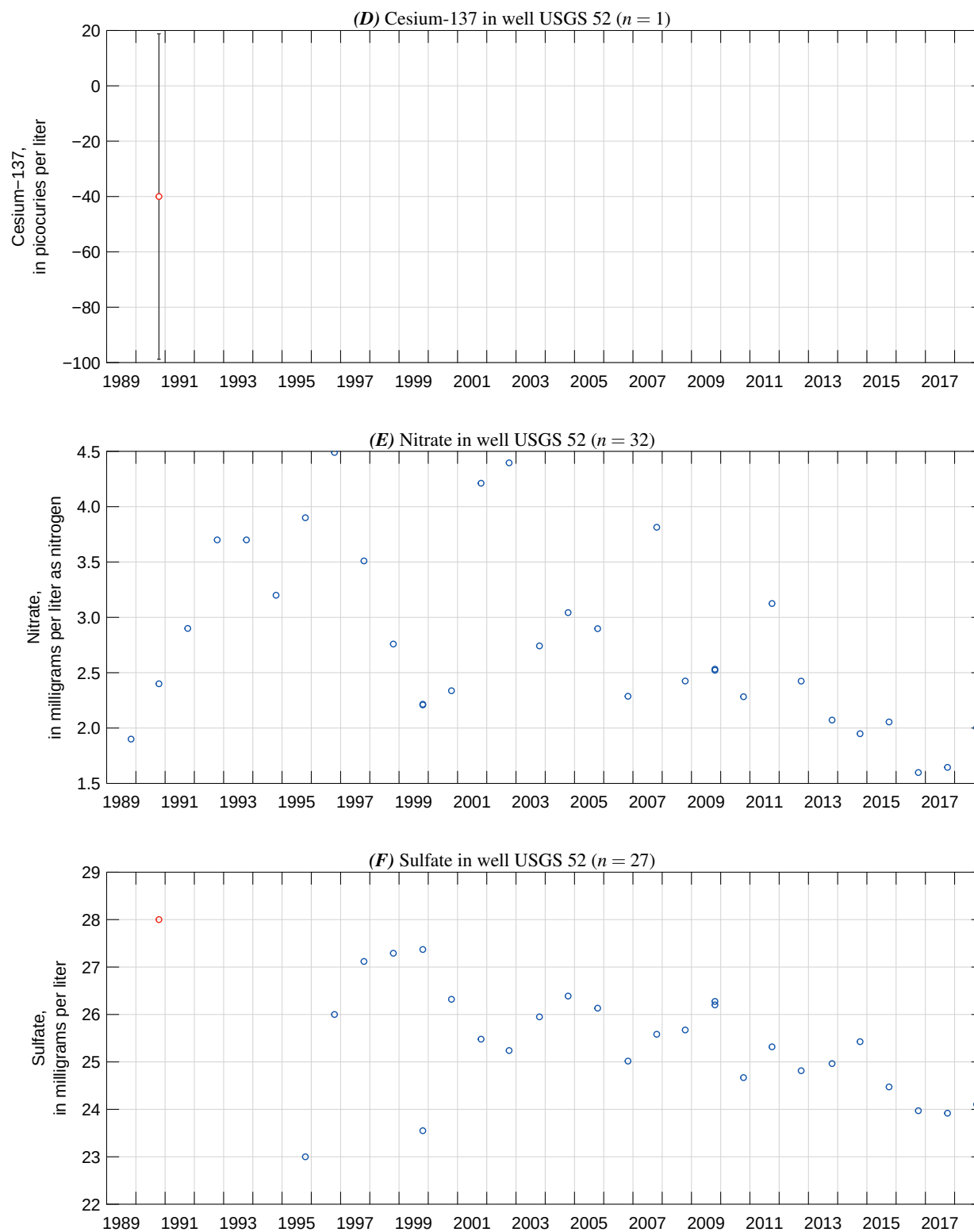


Figure 4.129. —Continued

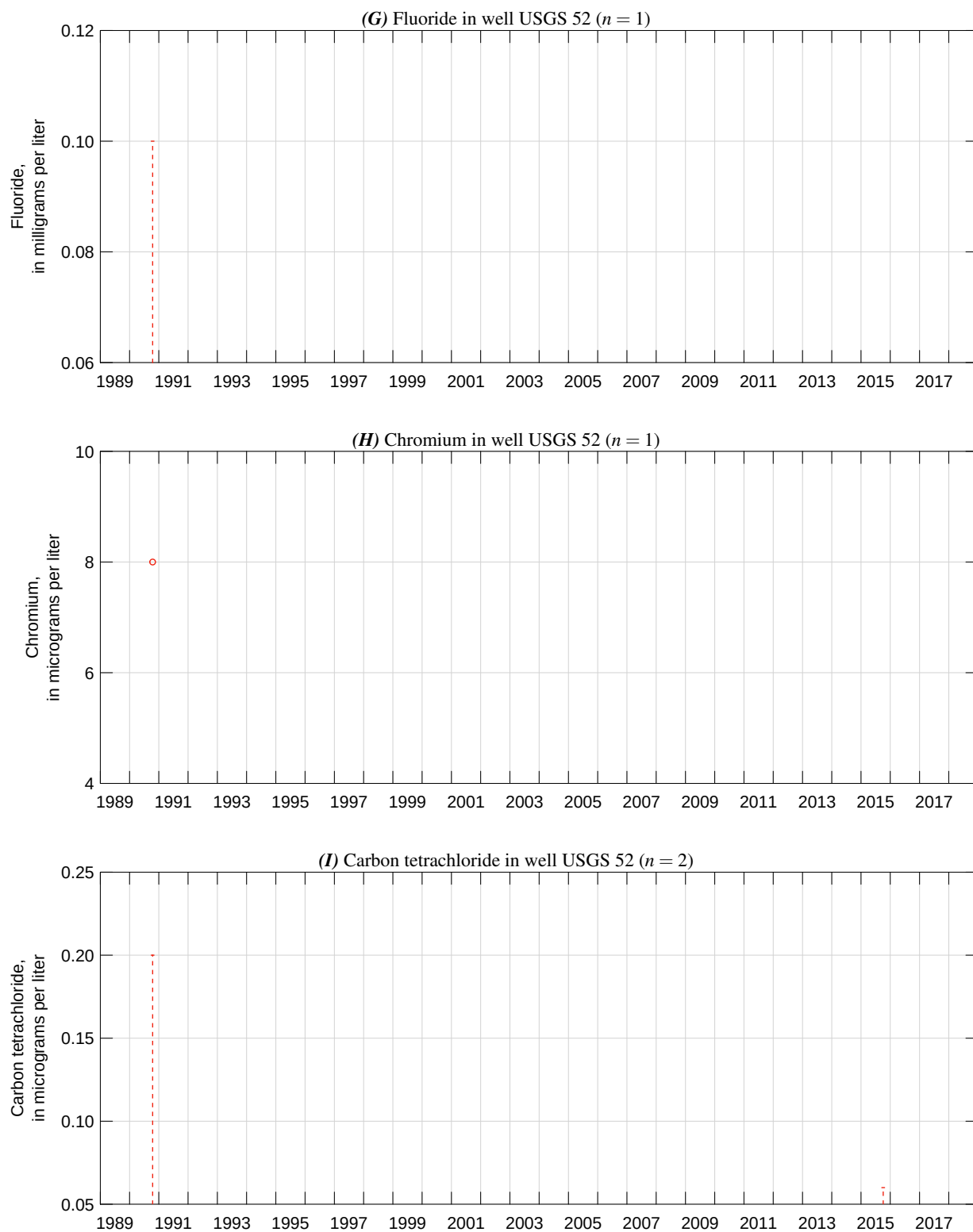


Figure 4.129. —Continued

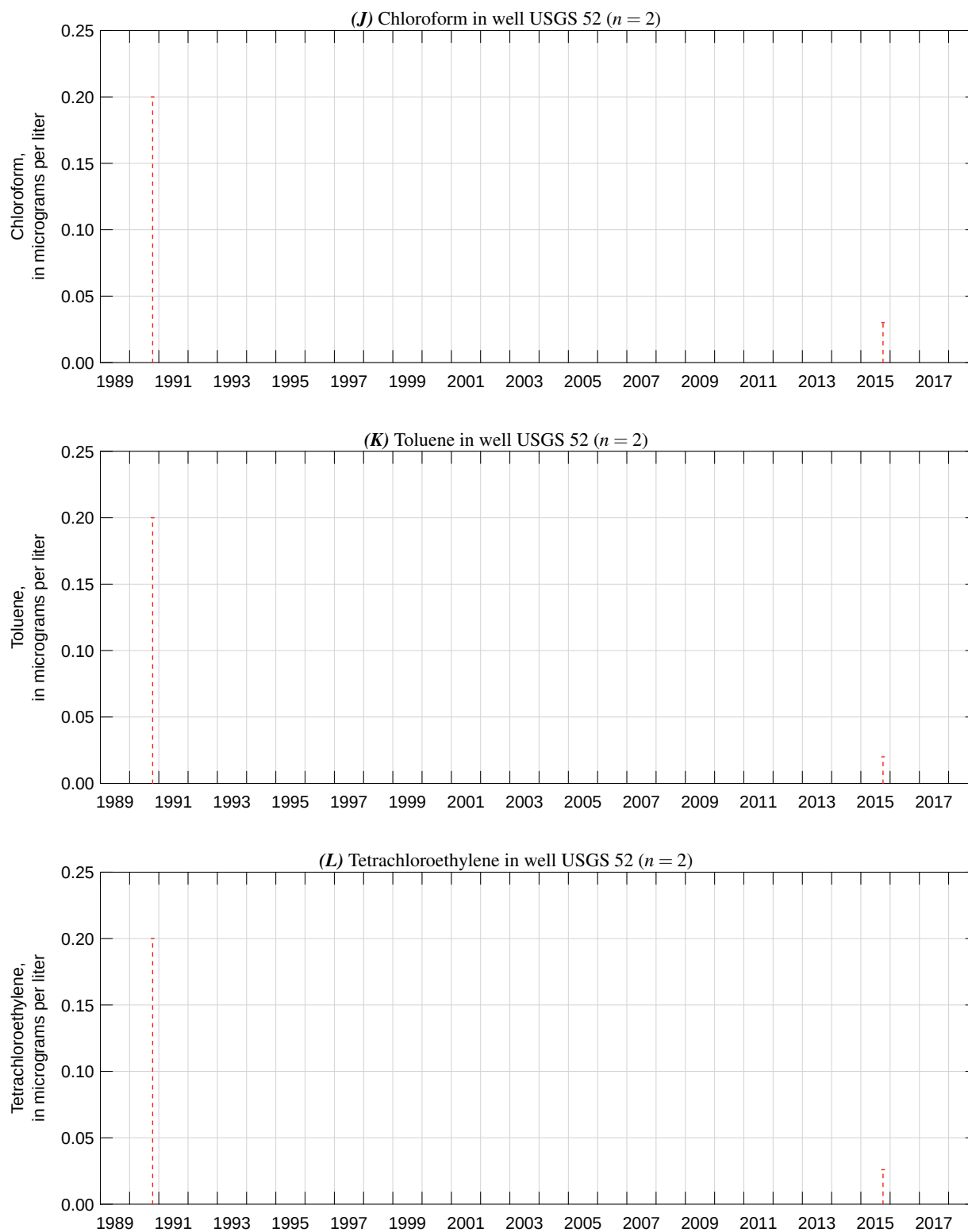


Figure 4.129. —Continued

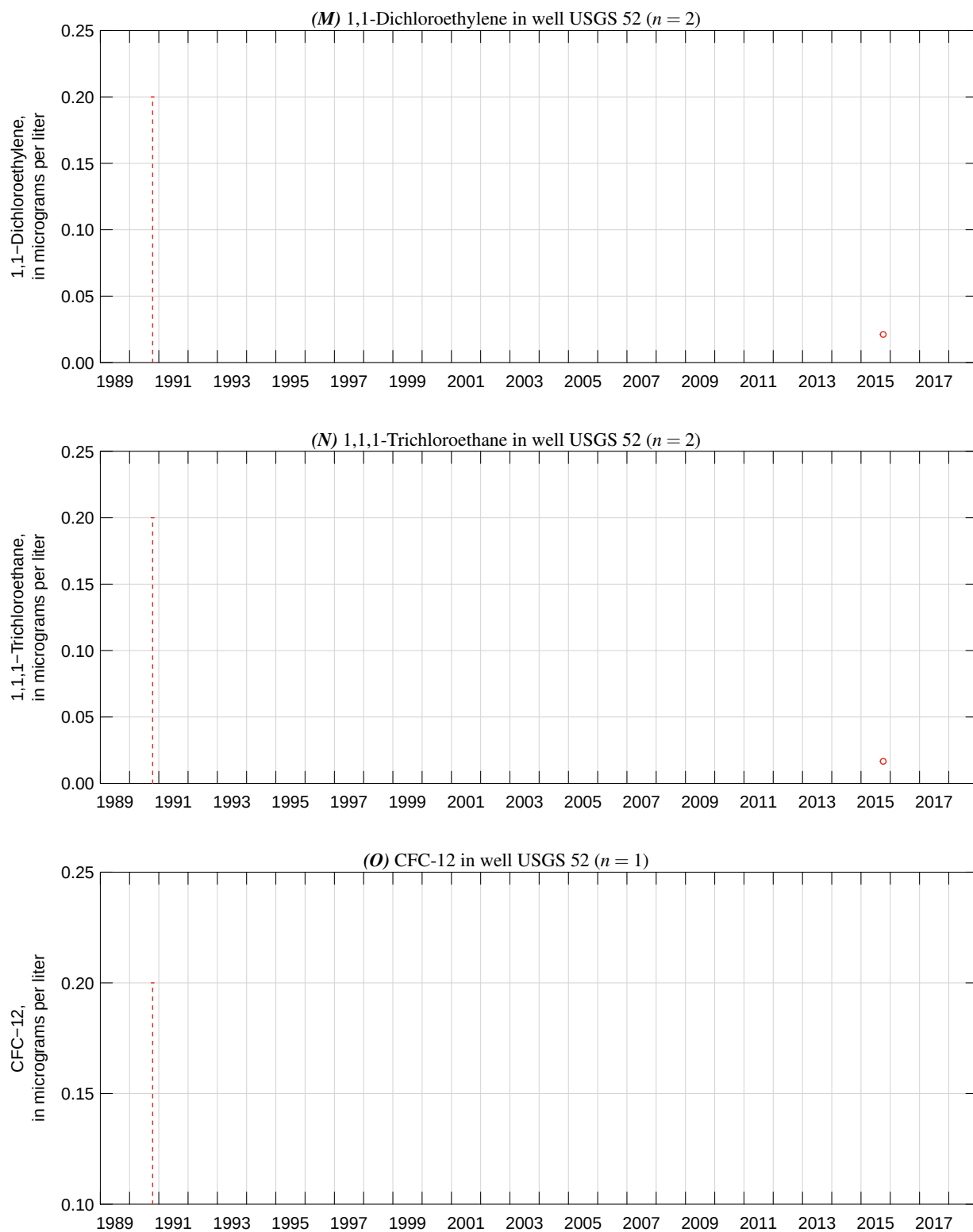


Figure 4.129. —Continued

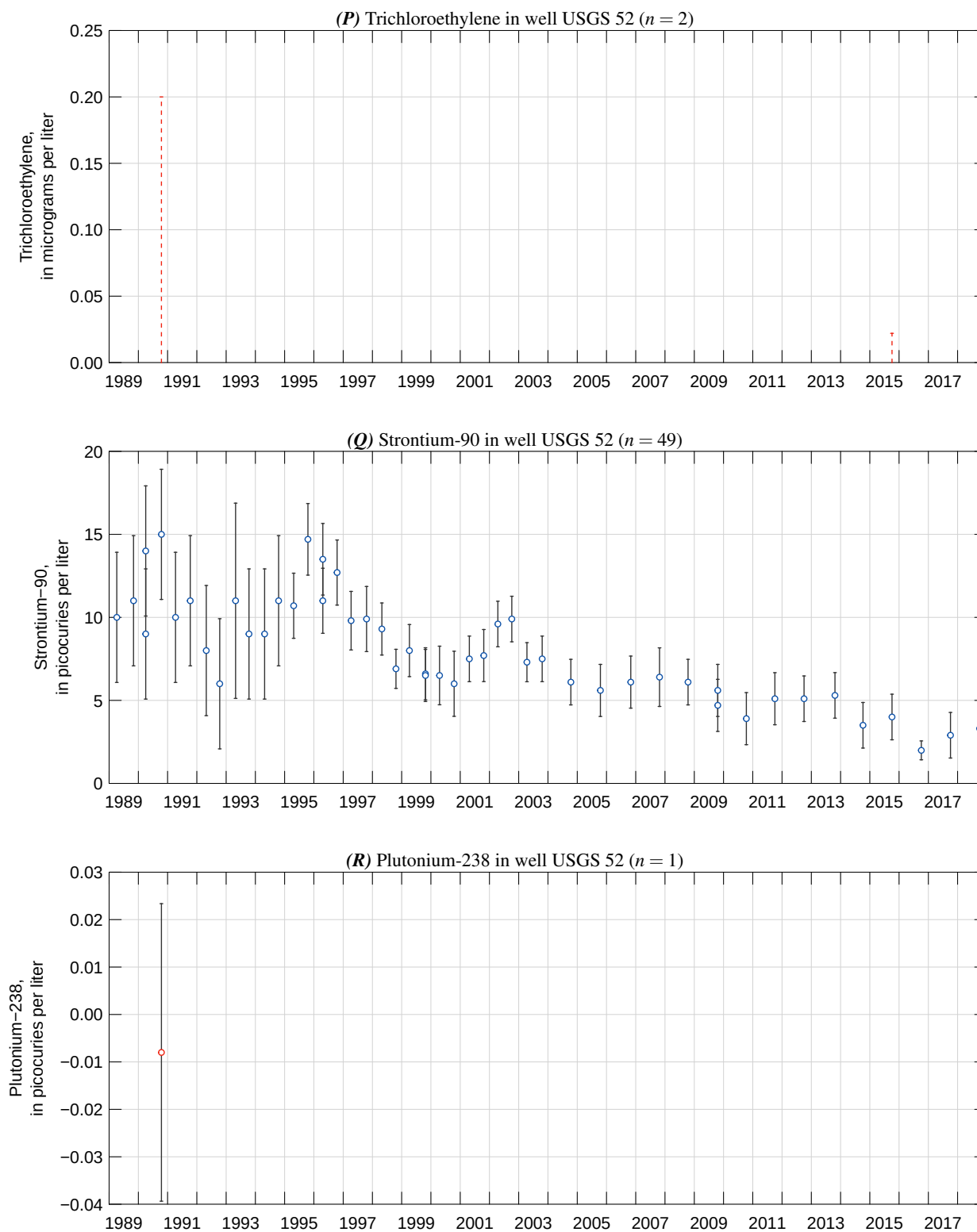


Figure 4.129. —Continued

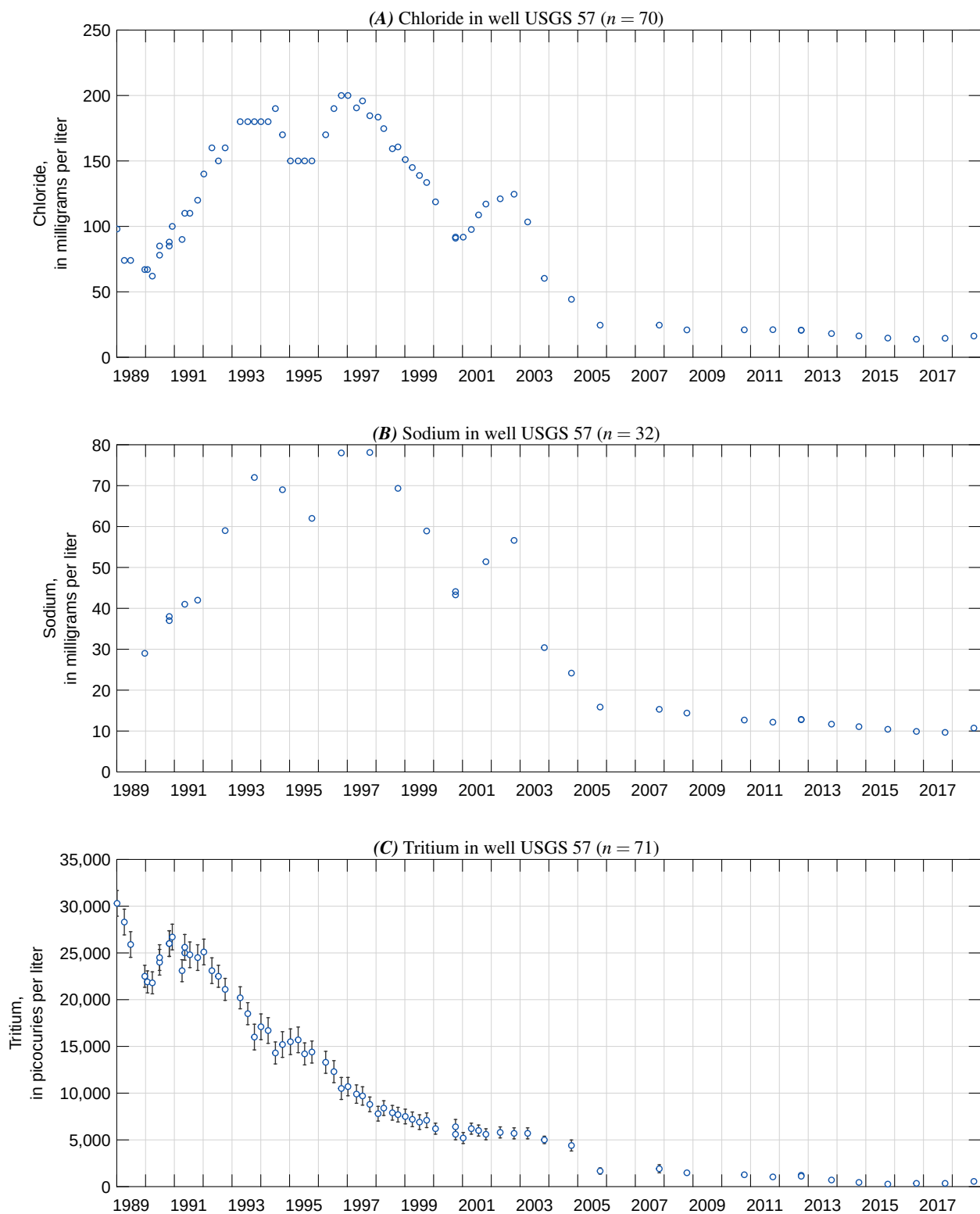


Figure 4.130. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, and (R) plutonium-238 concentrations in water collected from well USGS 57 (Site No. 433344112562601), Idaho National Laboratory, Idaho, 1989–2018.

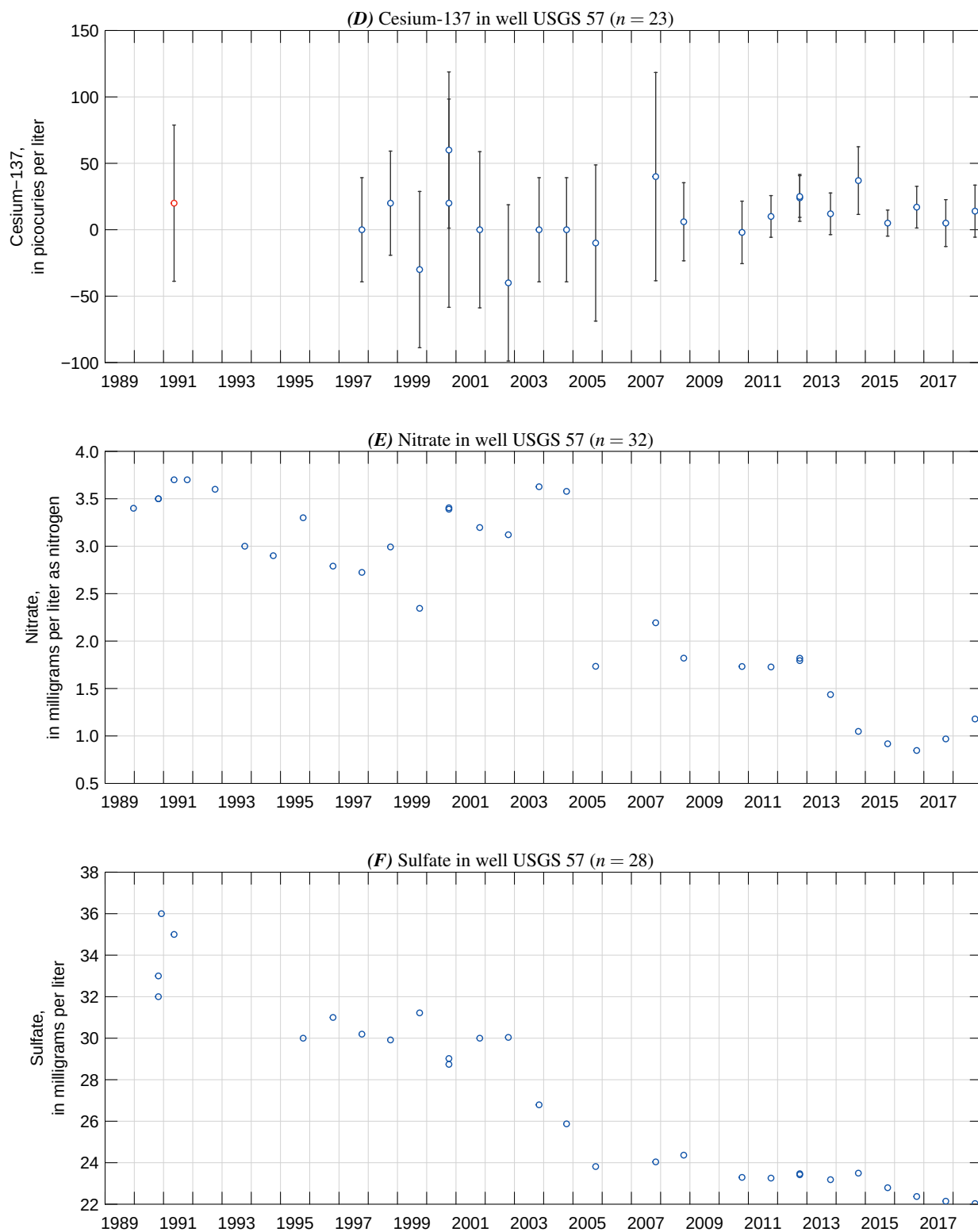


Figure 4.130. —Continued

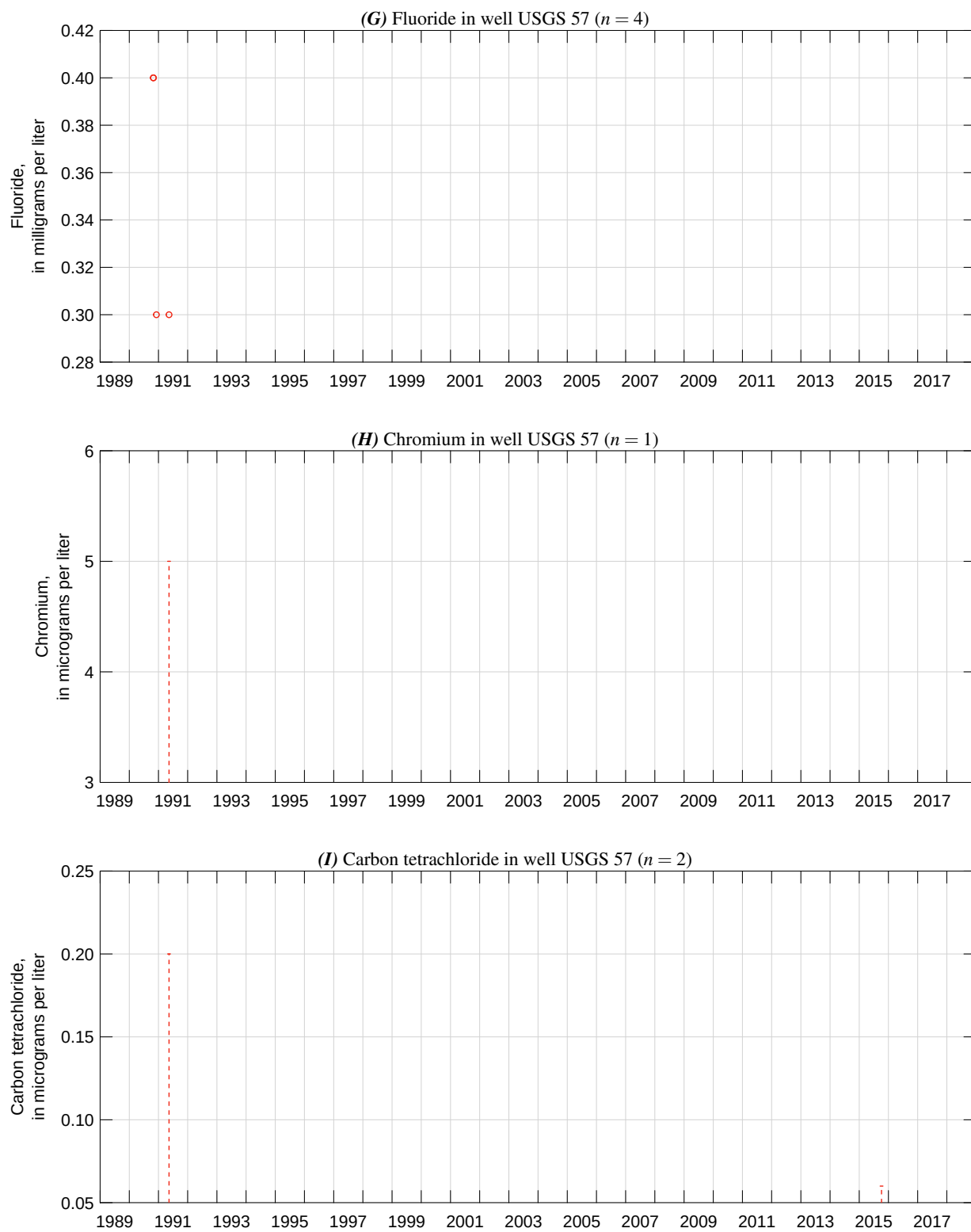


Figure 4.130. —Continued

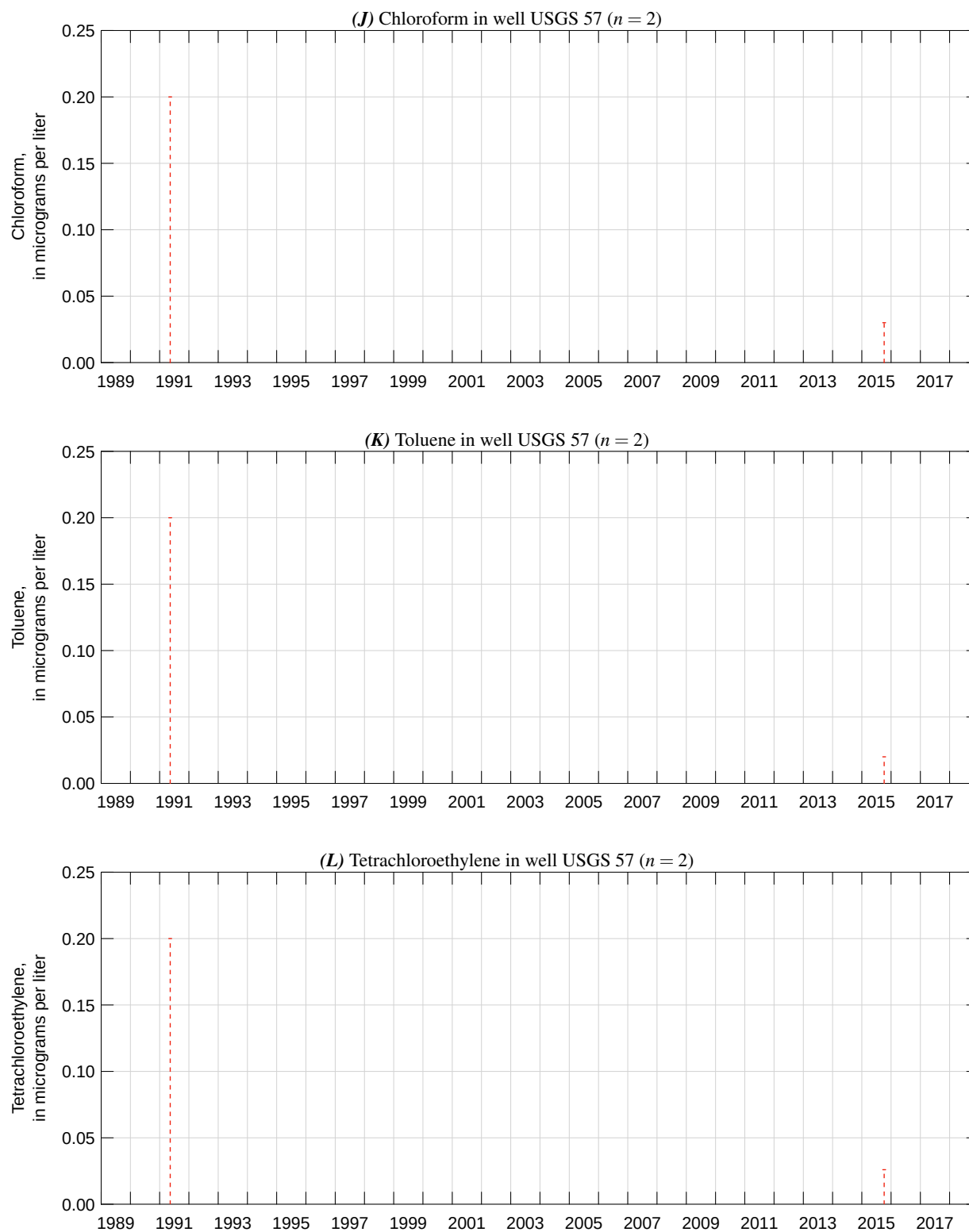


Figure 4.130. —Continued

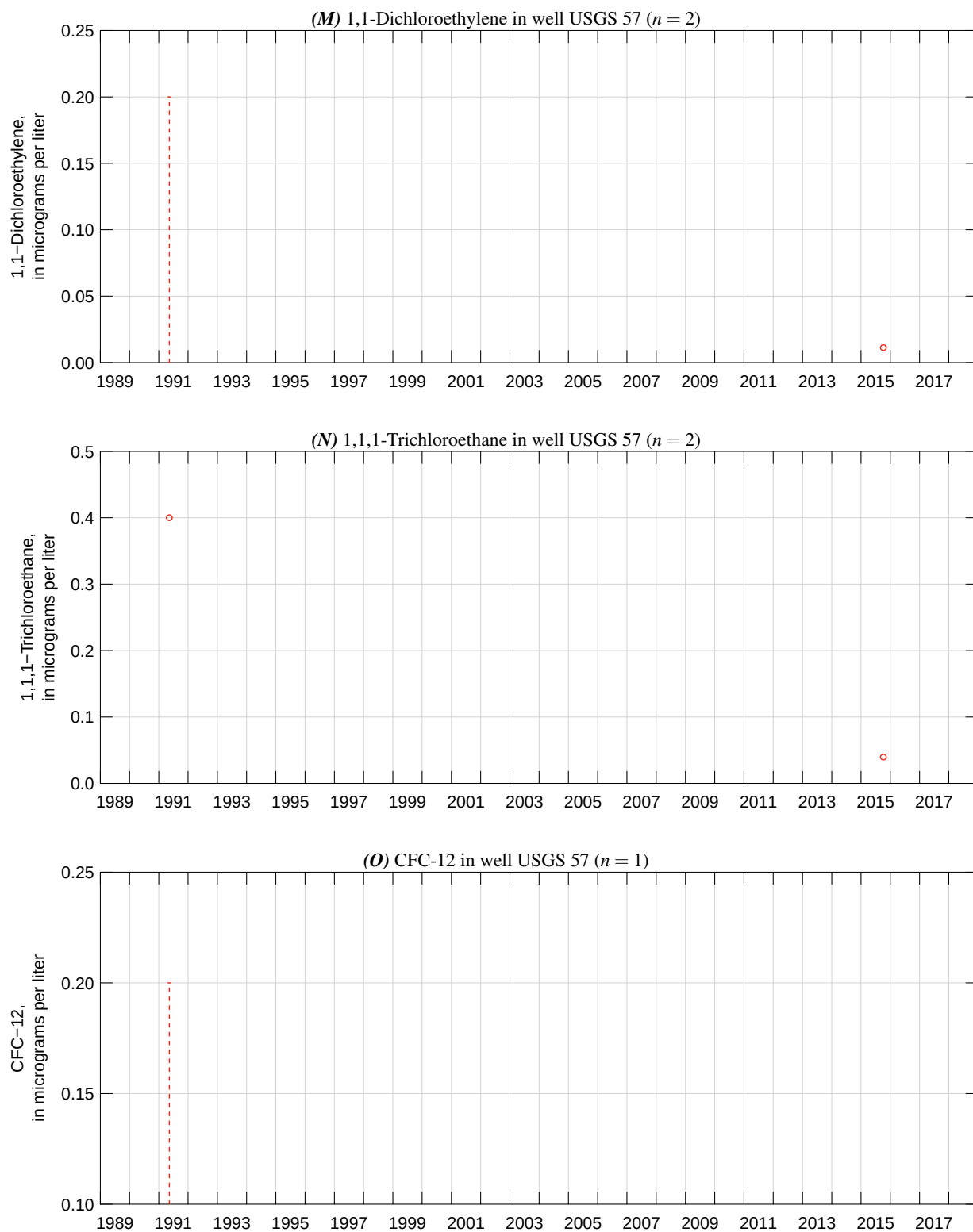


Figure 4.130. —Continued

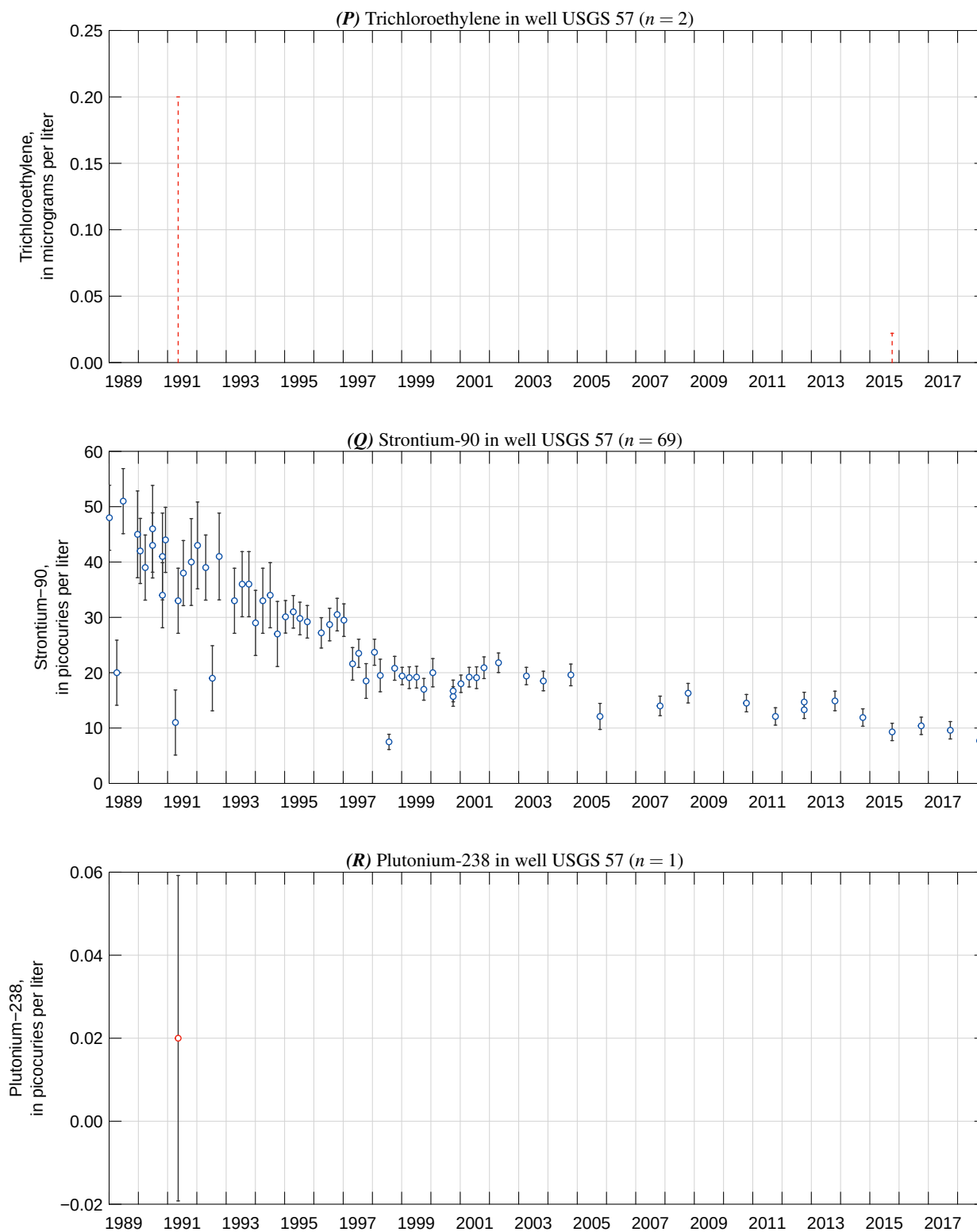


Figure 4.130. —Continued

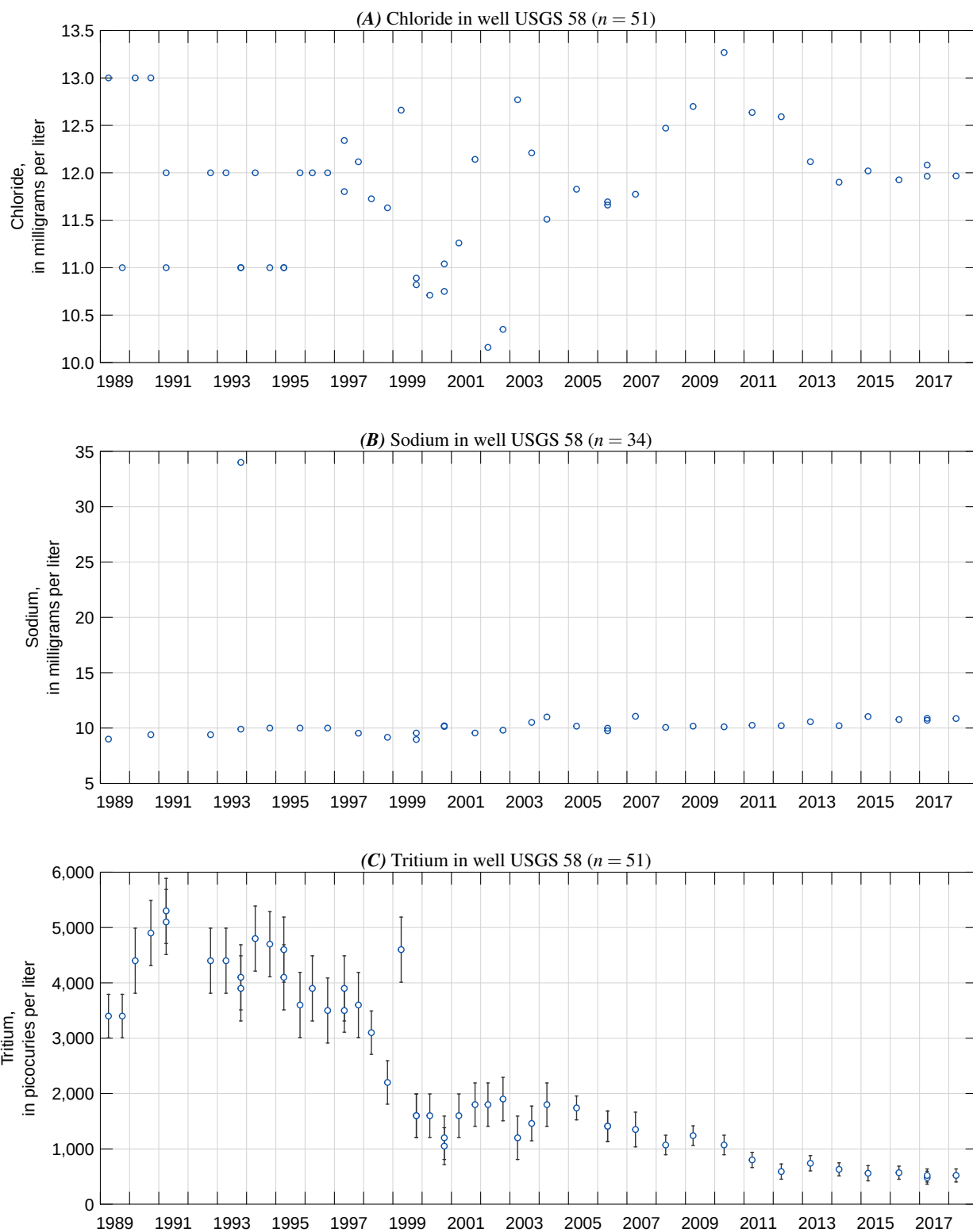


Figure 4.131. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) chromium, and (H) strontium-90 concentrations in water collected from well USGS 58 (Site No. 433500112572502), Idaho National Laboratory, Idaho, 1989–2018.

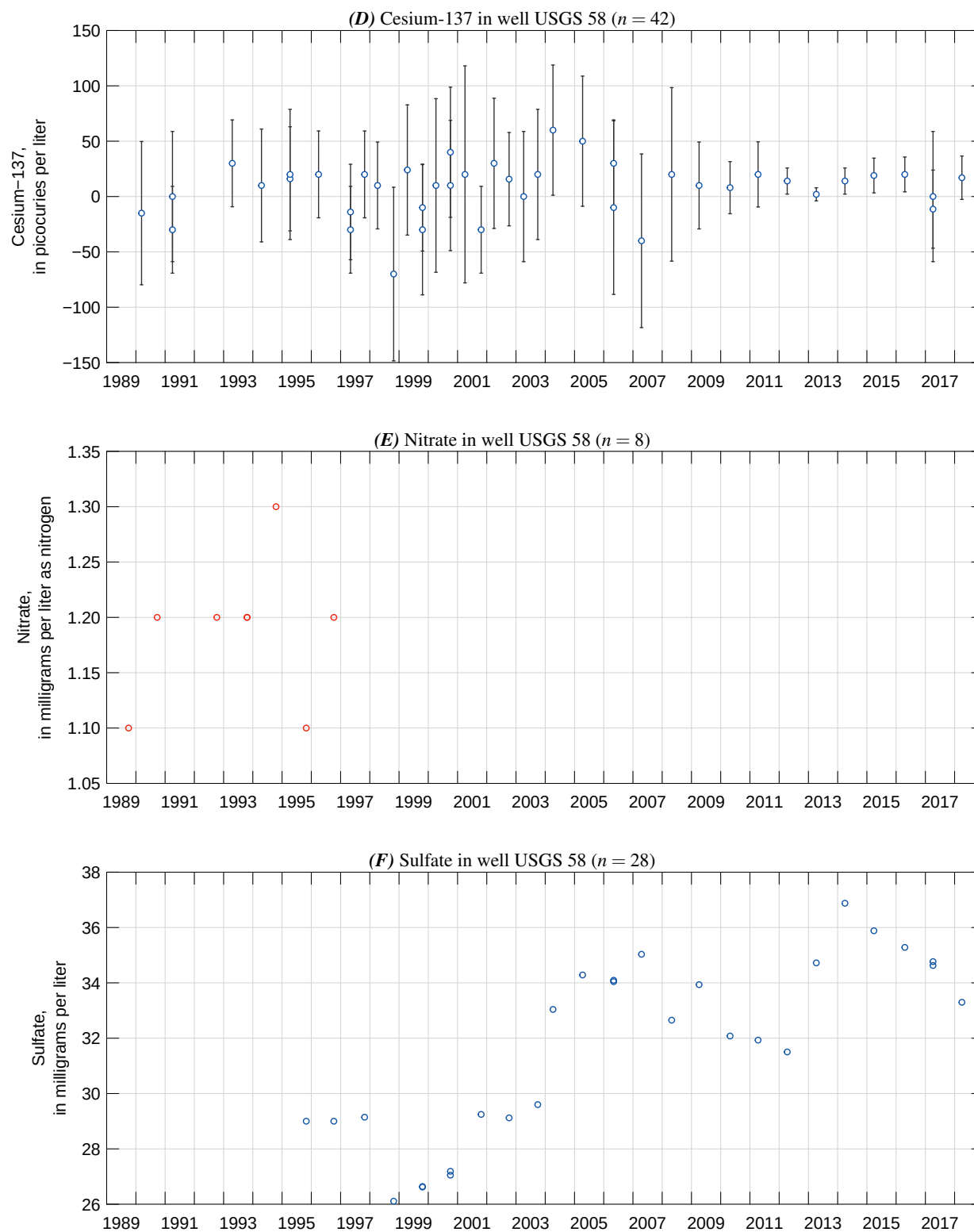


Figure 4.131. —Continued

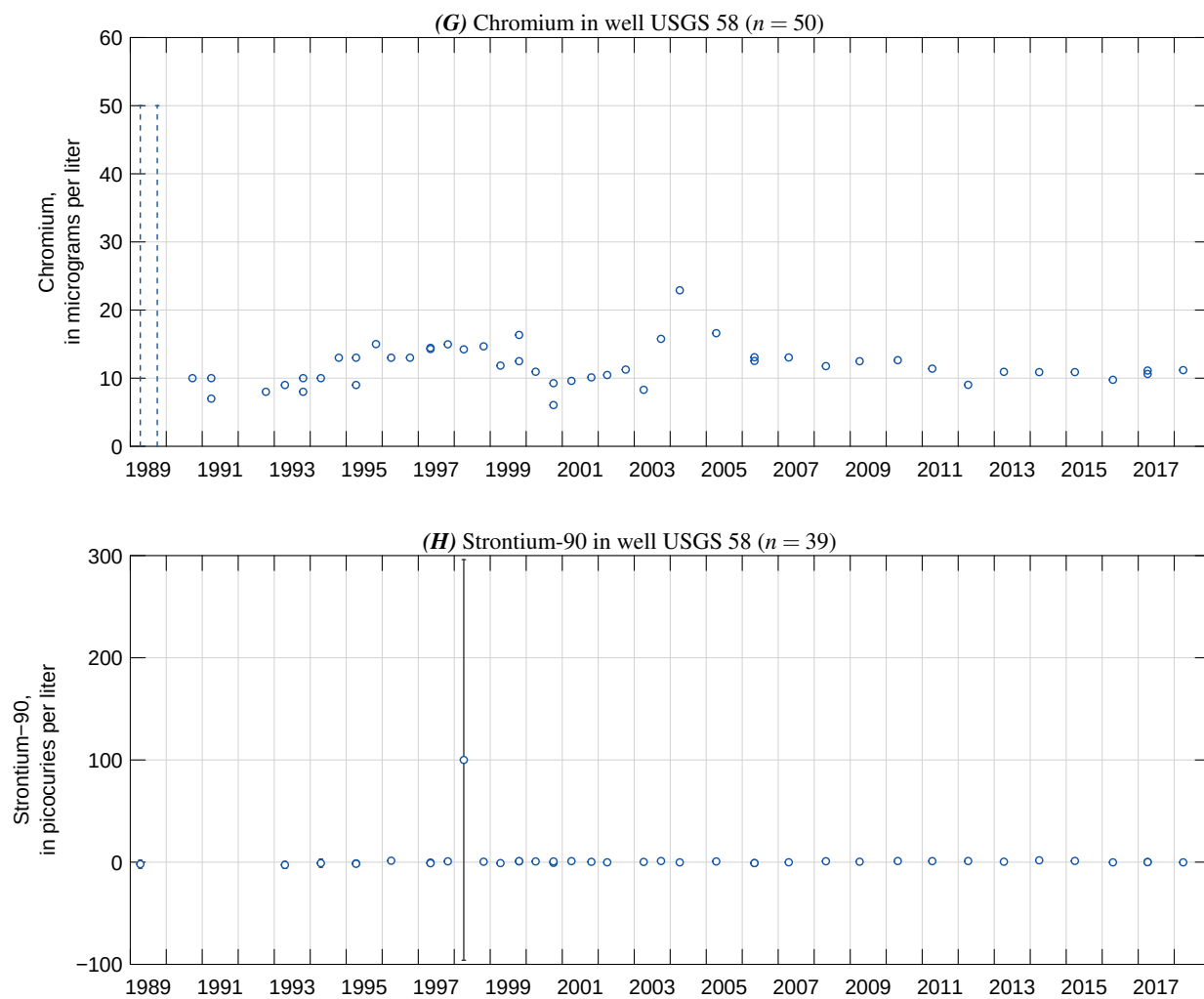


Figure 4.131. —Continued

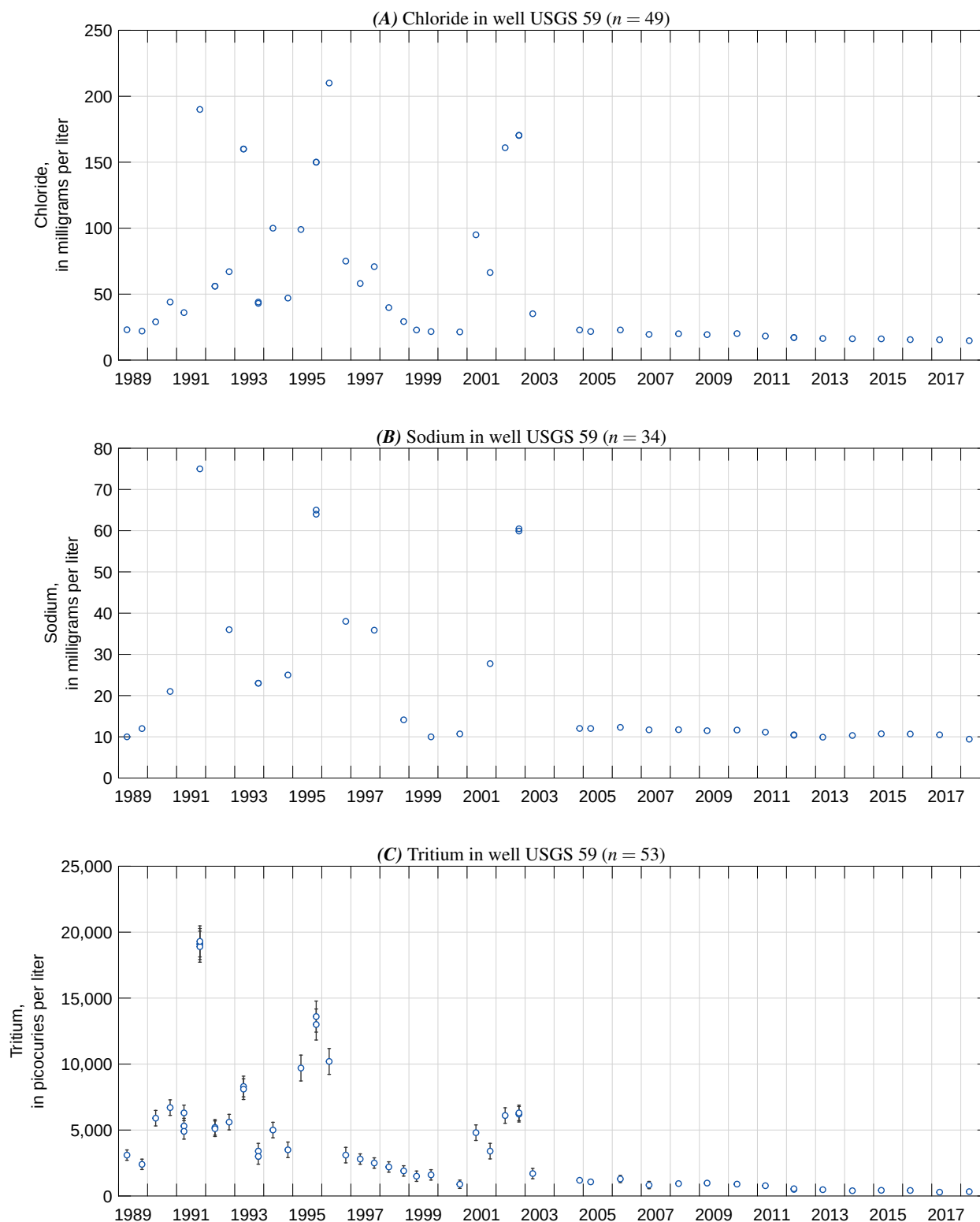


Figure 4.132. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) carbon tetrachloride, (I) chloroform, (J) toluene, (K) tetrachloroethylene, (L) 1,1-dichloroethylene, (M) 1,1,1-trichloroethane, (N) trichloroethylene, and (O) strontium-90 concentrations in water collected from well USGS 59 (Site No. 433354112554701), Idaho National Laboratory, Idaho, 1989–2018.

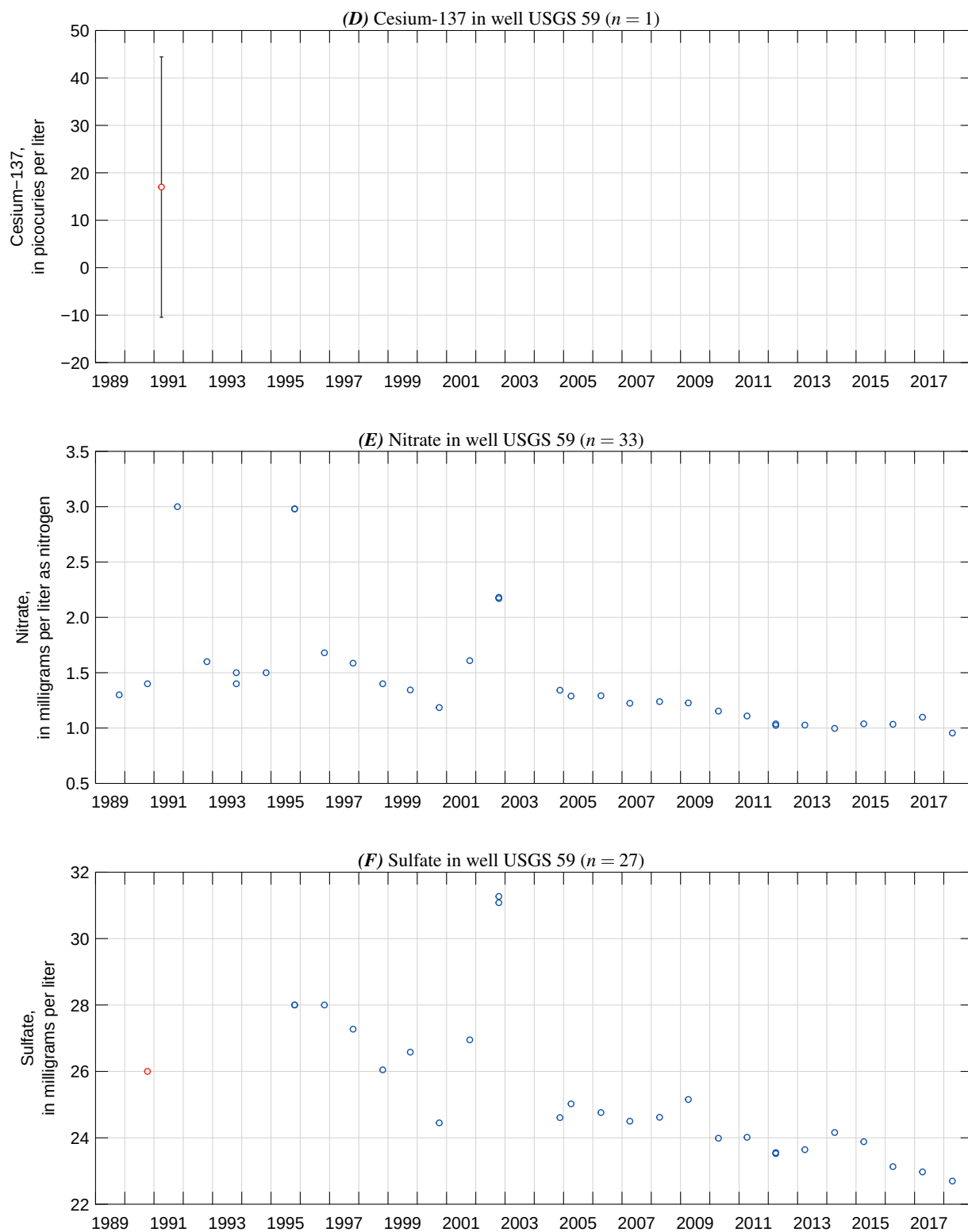


Figure 4.132. —Continued

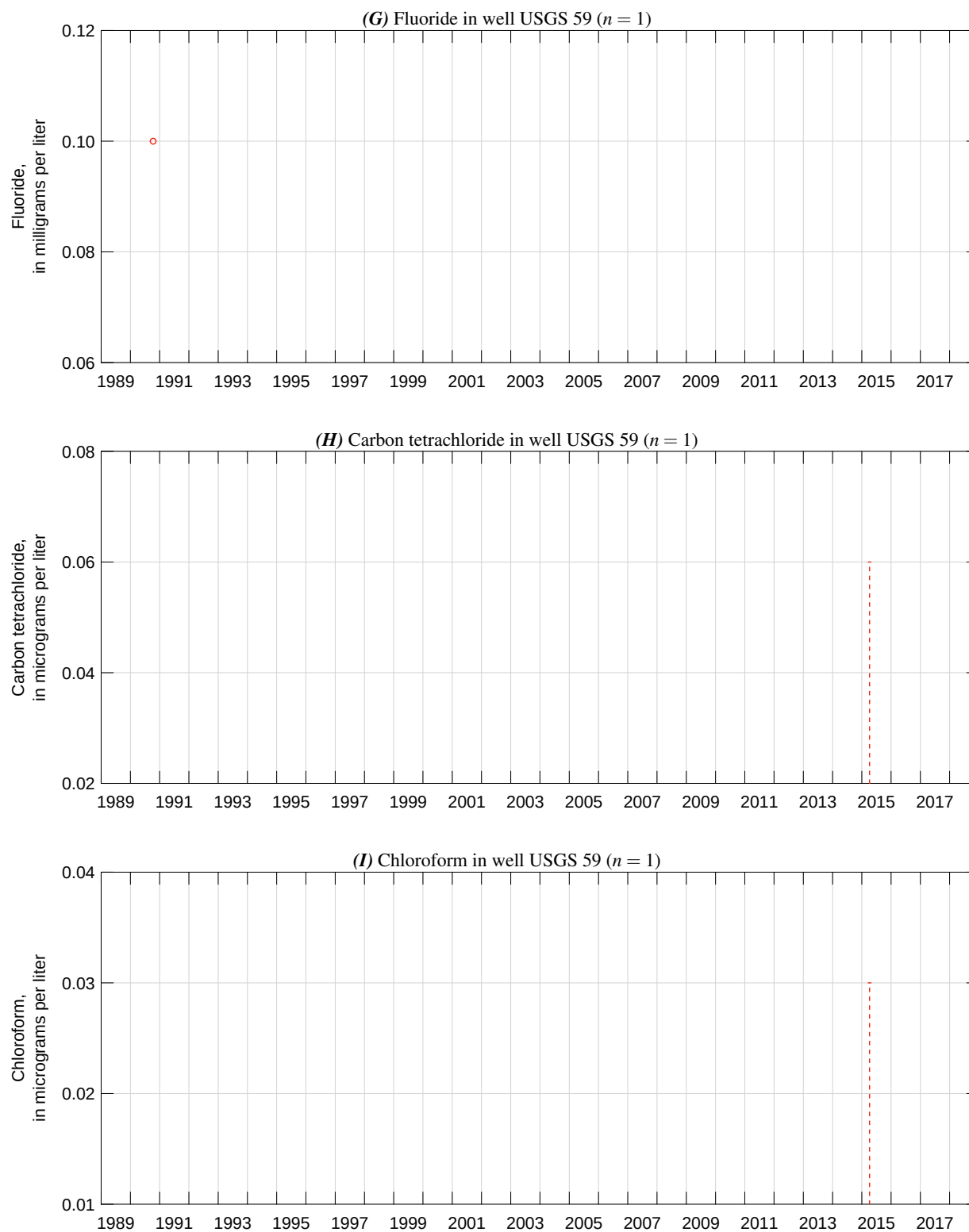


Figure 4.132. —Continued

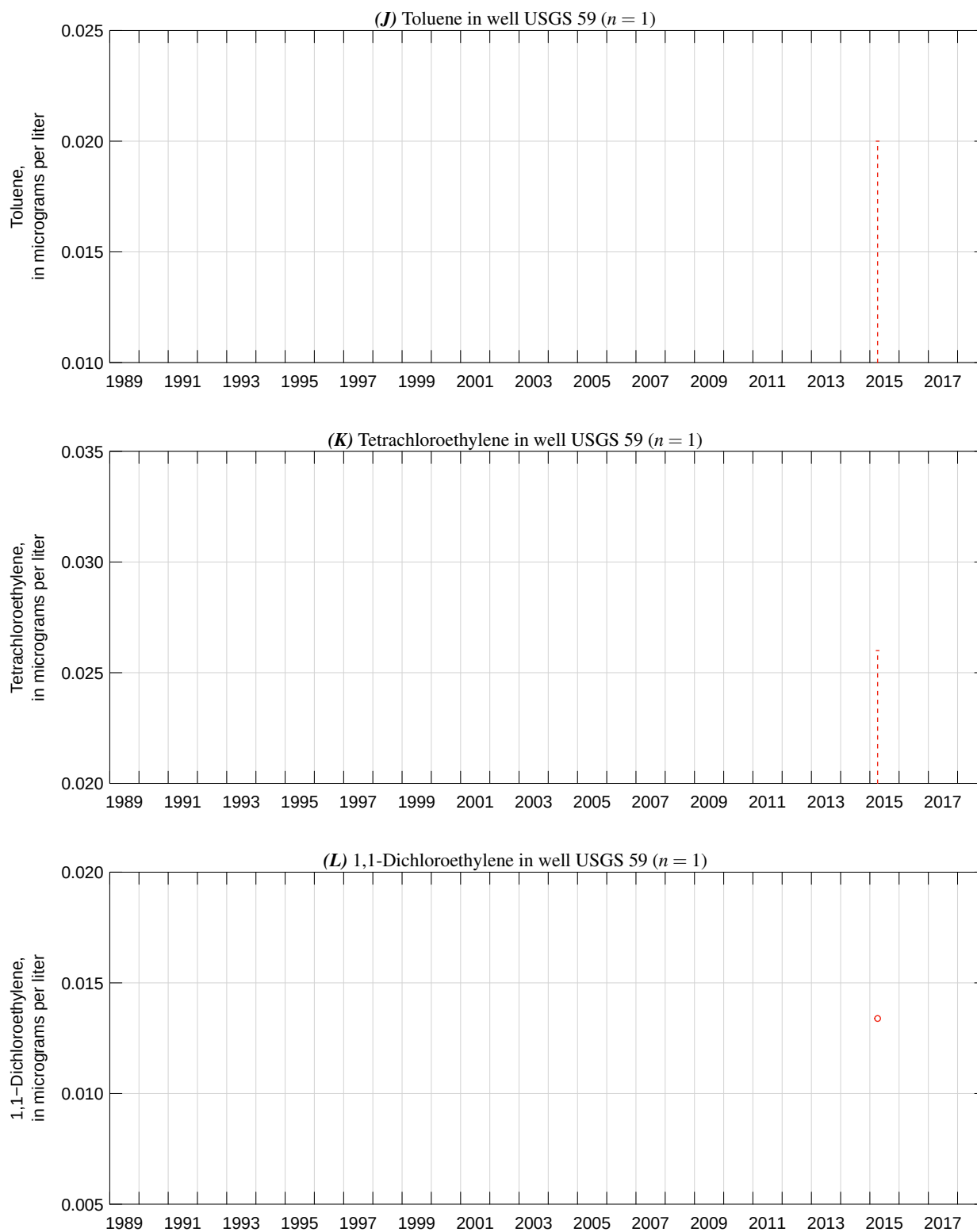


Figure 4.132. —Continued

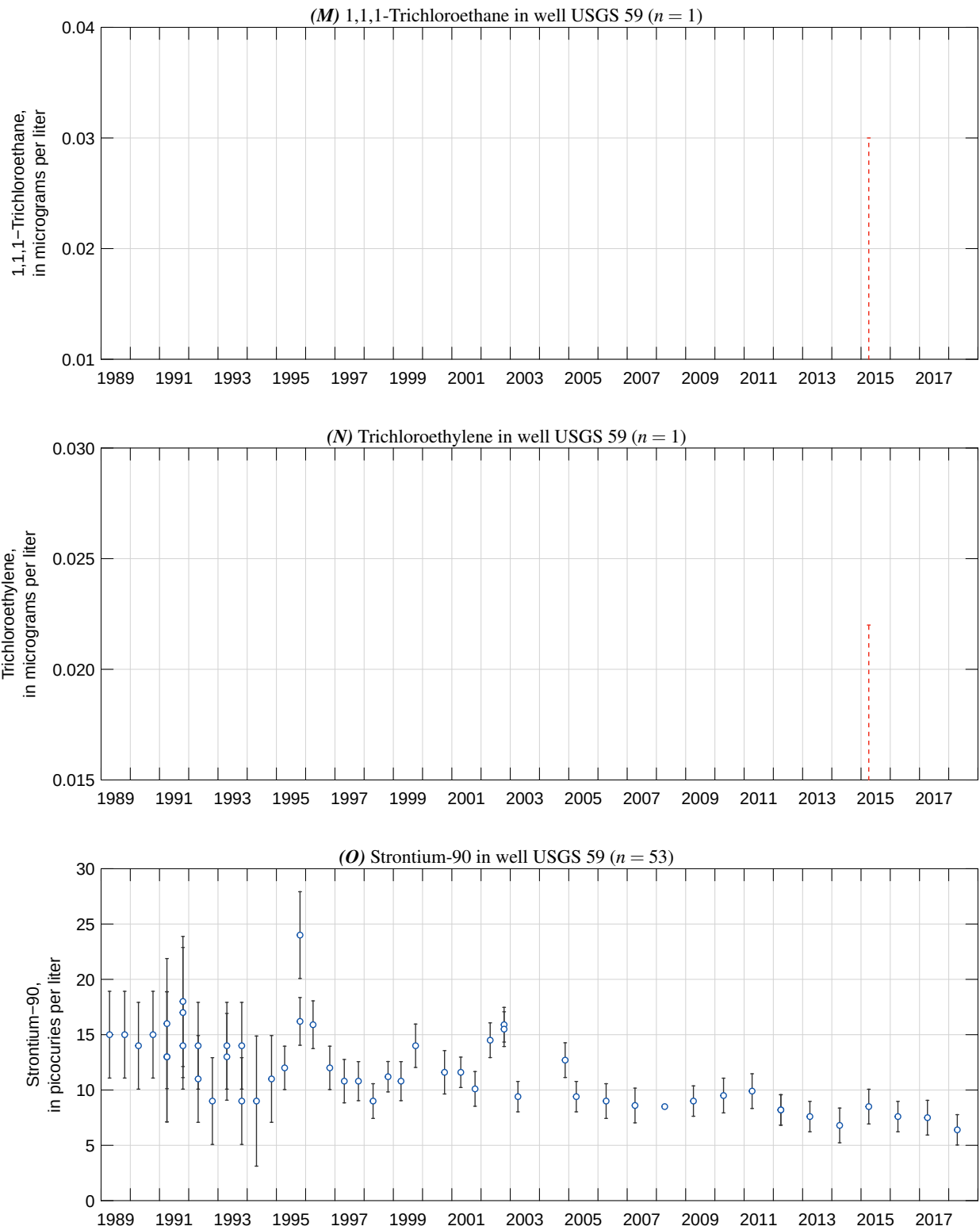


Figure 4.132. —Continued

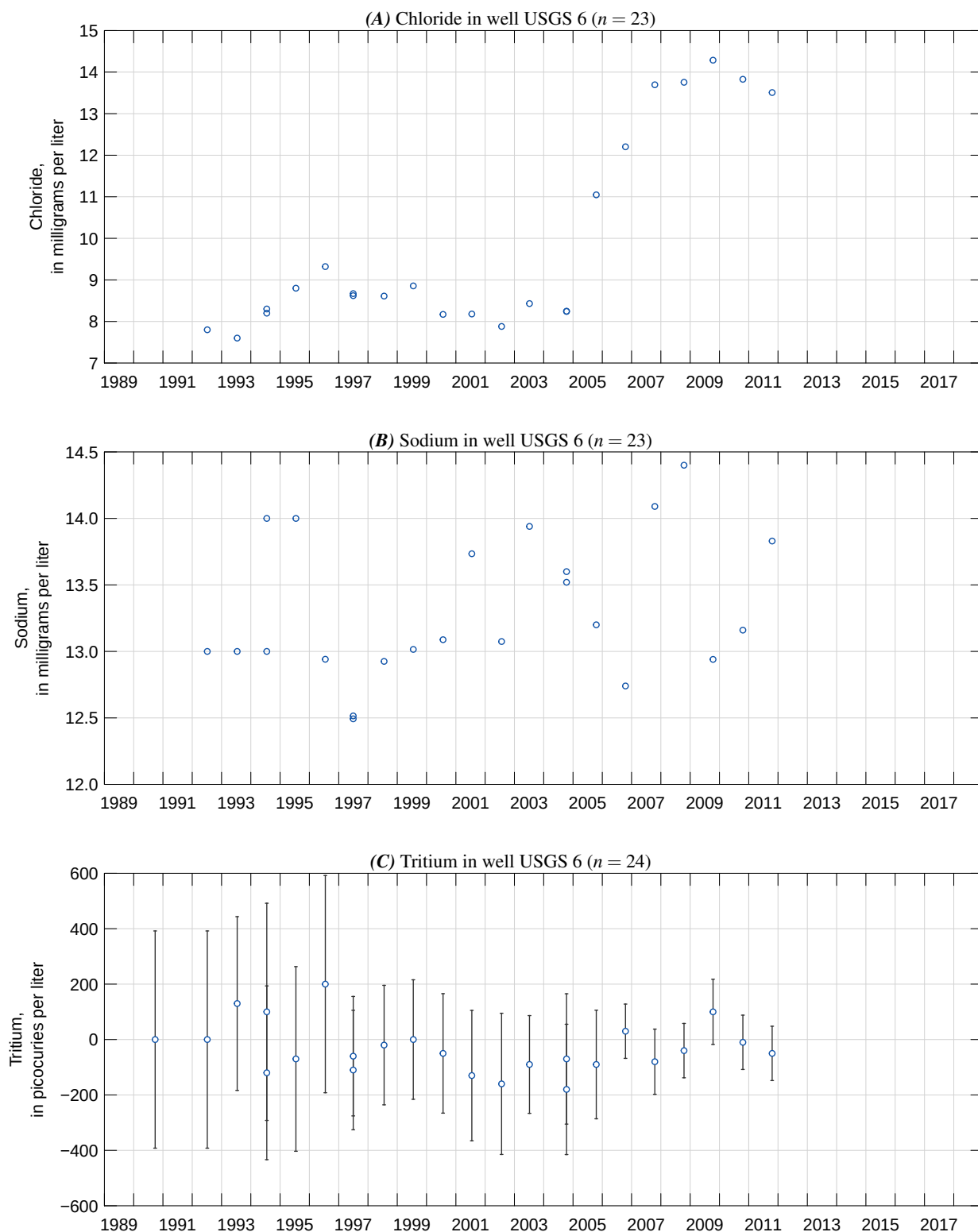


Figure 4.133. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) chromium, (H) carbon tetrachloride, (I) chloroform, (J) toluene, (K) tetrachloroethylene, (L) 1,1-dichloroethylene, (M) 1,1,1-trichloroethane, (N) cfc-12, (O) trichloroethylene, (P) strontium-90, and (Q) plutonium-238 concentrations in water collected from well USGS 6 (Site No. 434031112453701), Idaho National Laboratory, Idaho, 1989–2018.

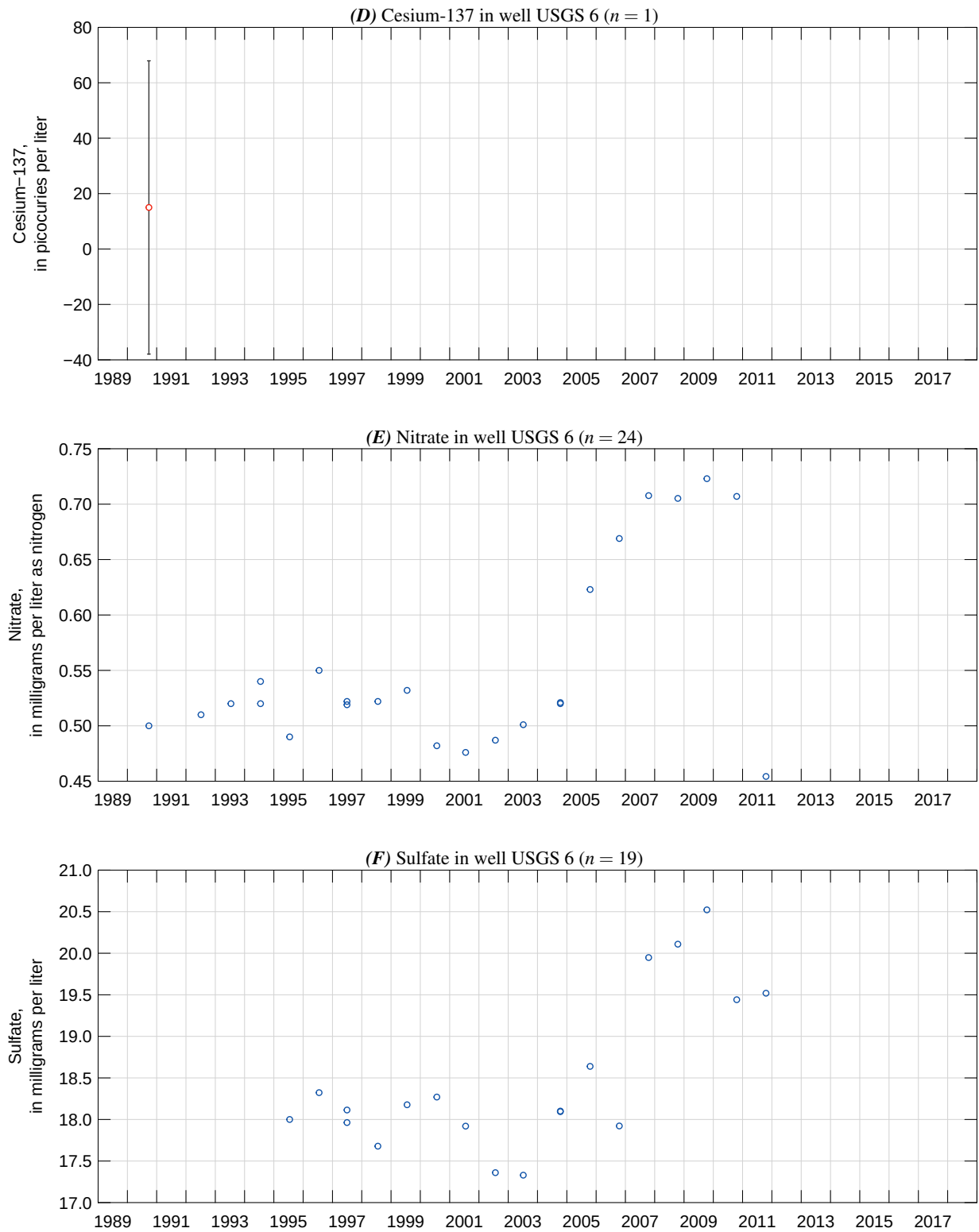


Figure 4.133. —Continued

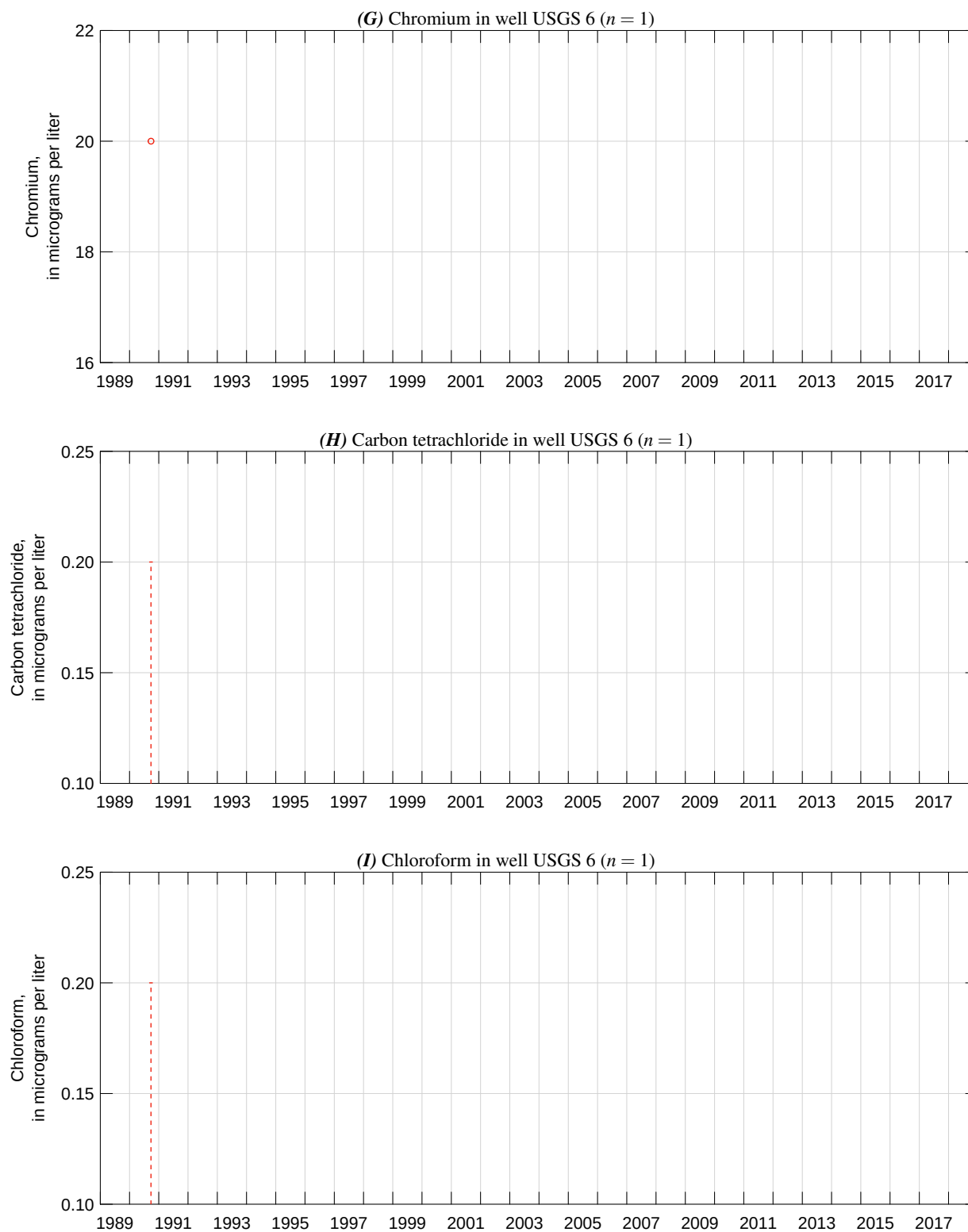


Figure 4.133. —Continued

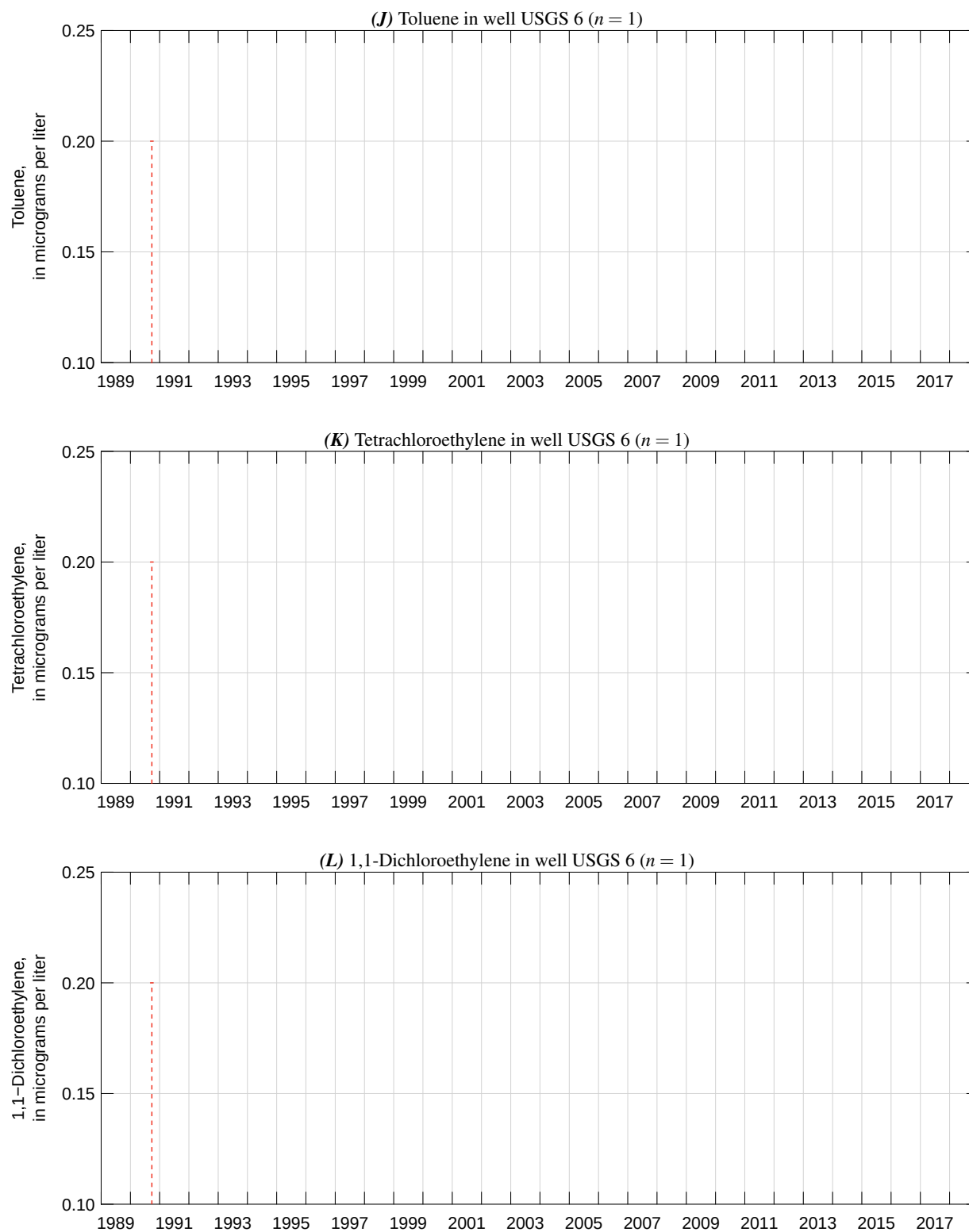


Figure 4.133. —Continued

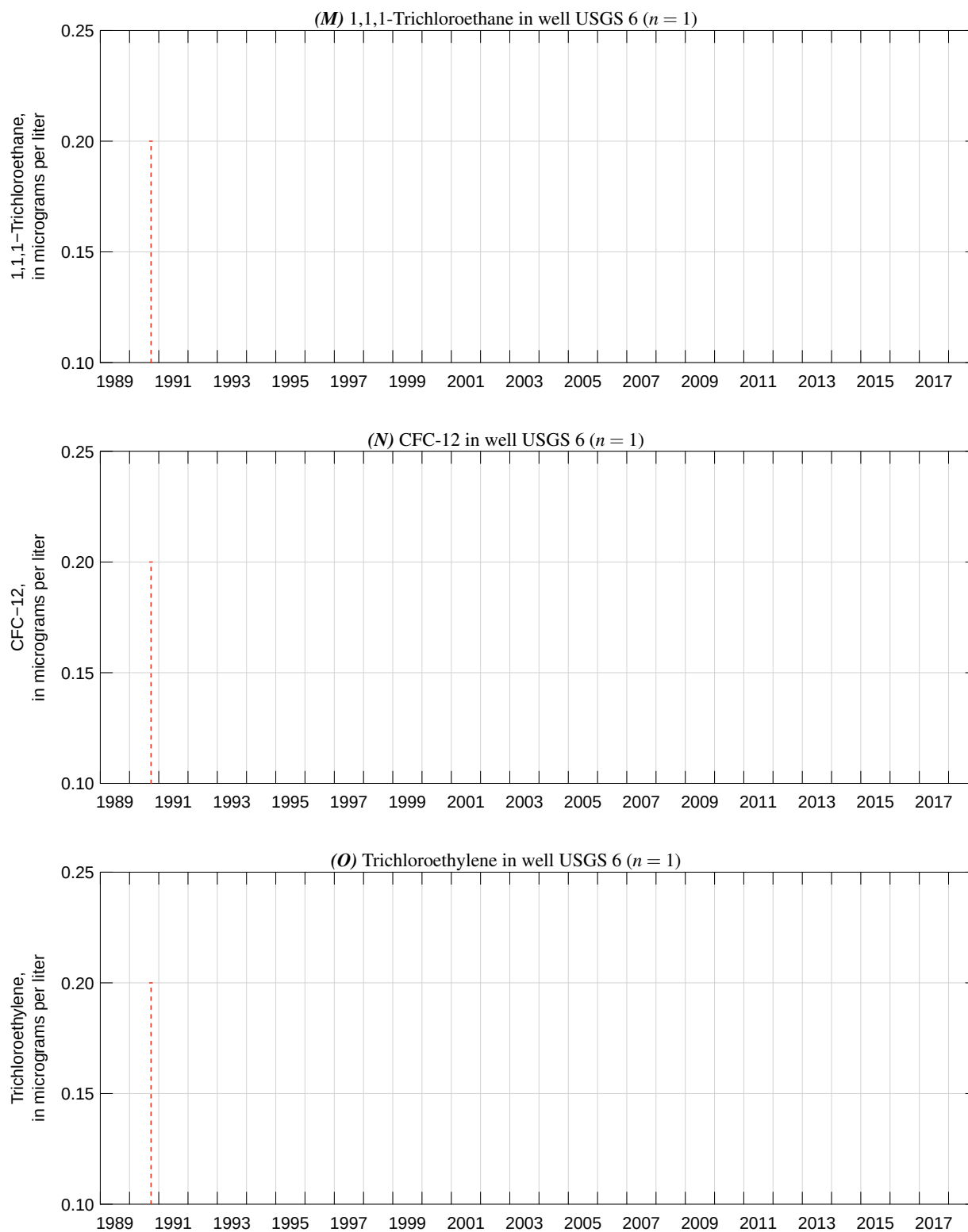


Figure 4.133. —Continued

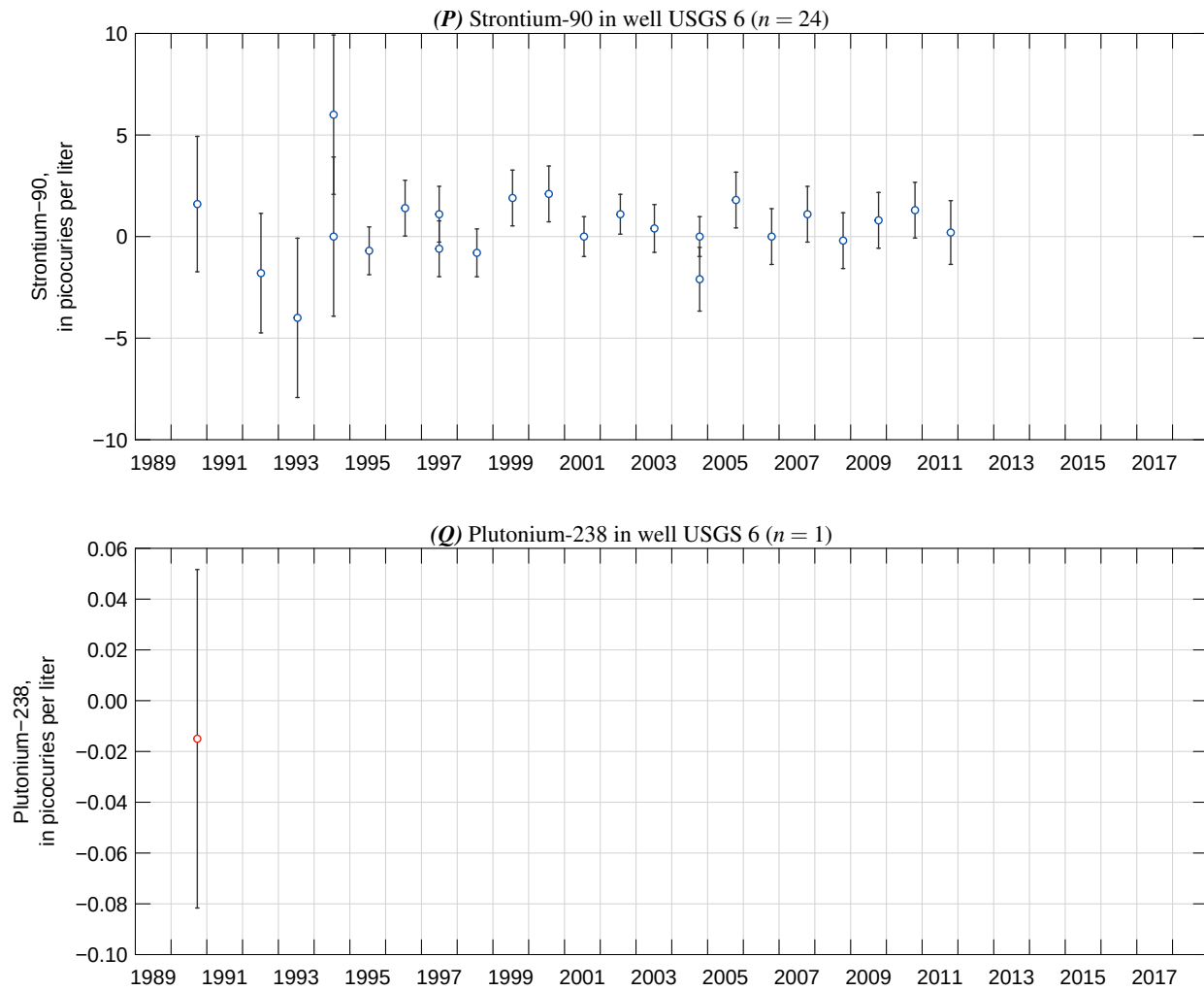


Figure 4.133. —Continued

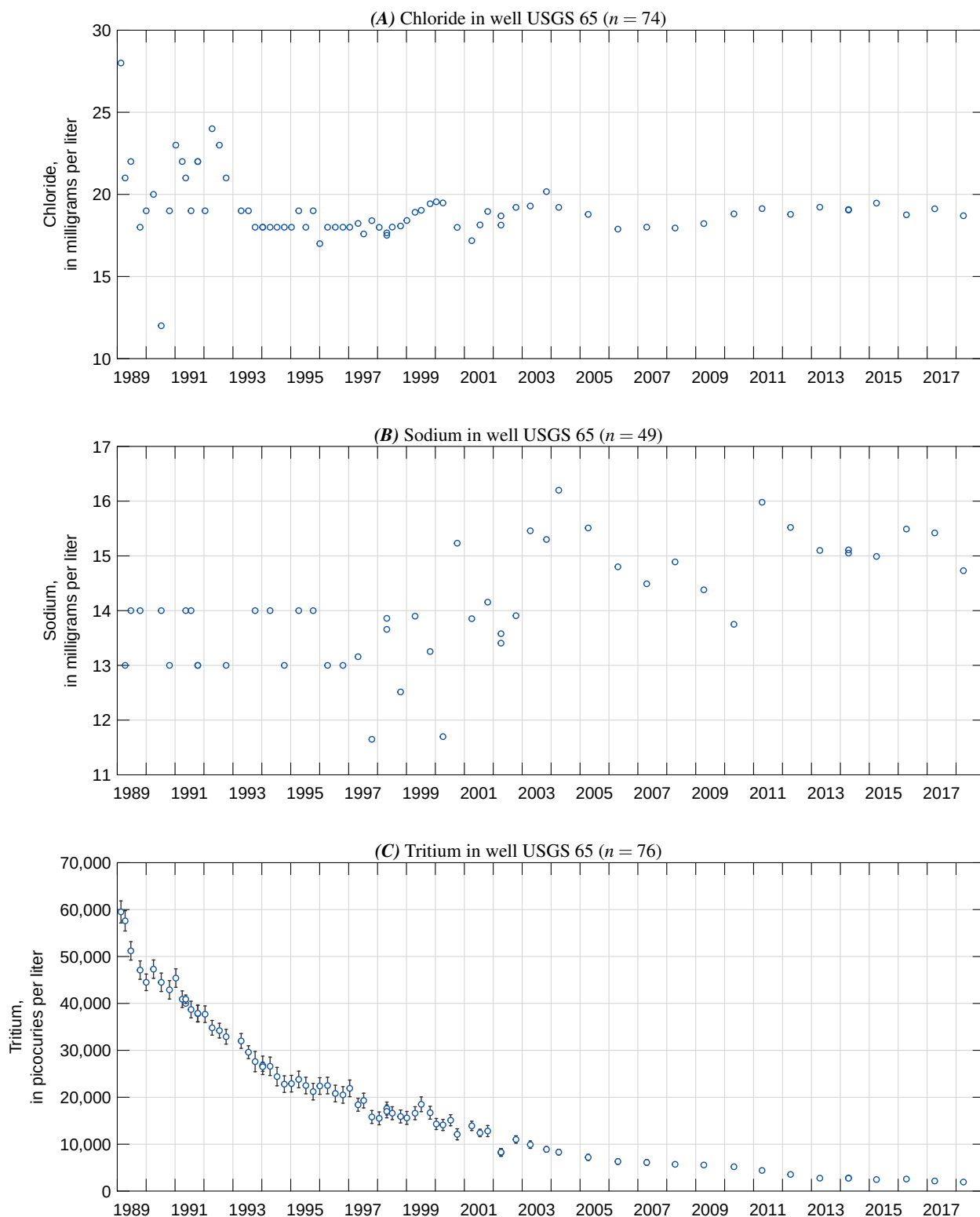


Figure 4.134. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, (R) plutonium-238, (S) alpha particle, and (T) beta particle concentrations in water collected from well USGS 65 (Site No. 433447112574501), Idaho National Laboratory, Idaho, 1989–2018.

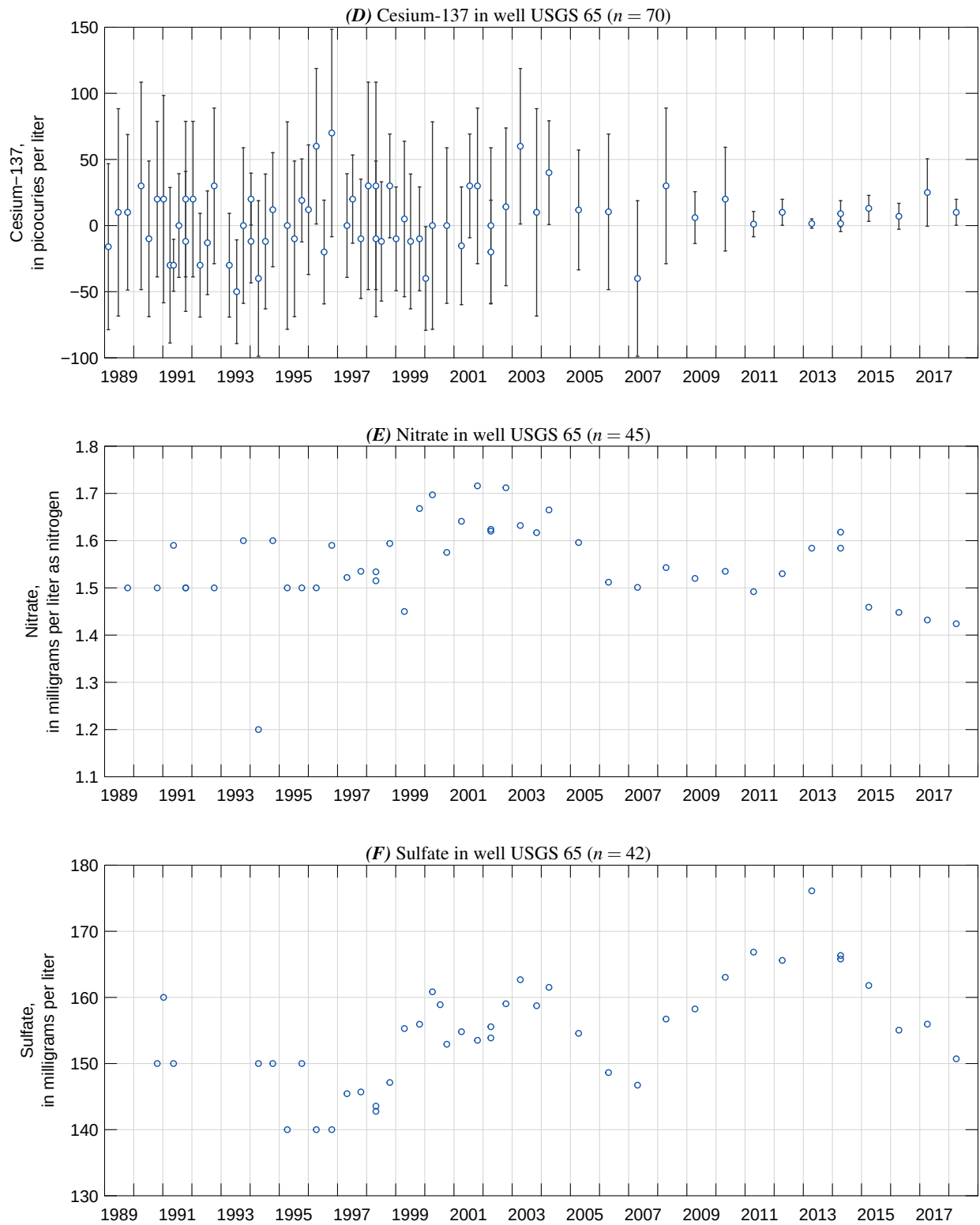


Figure 4.134. —Continued

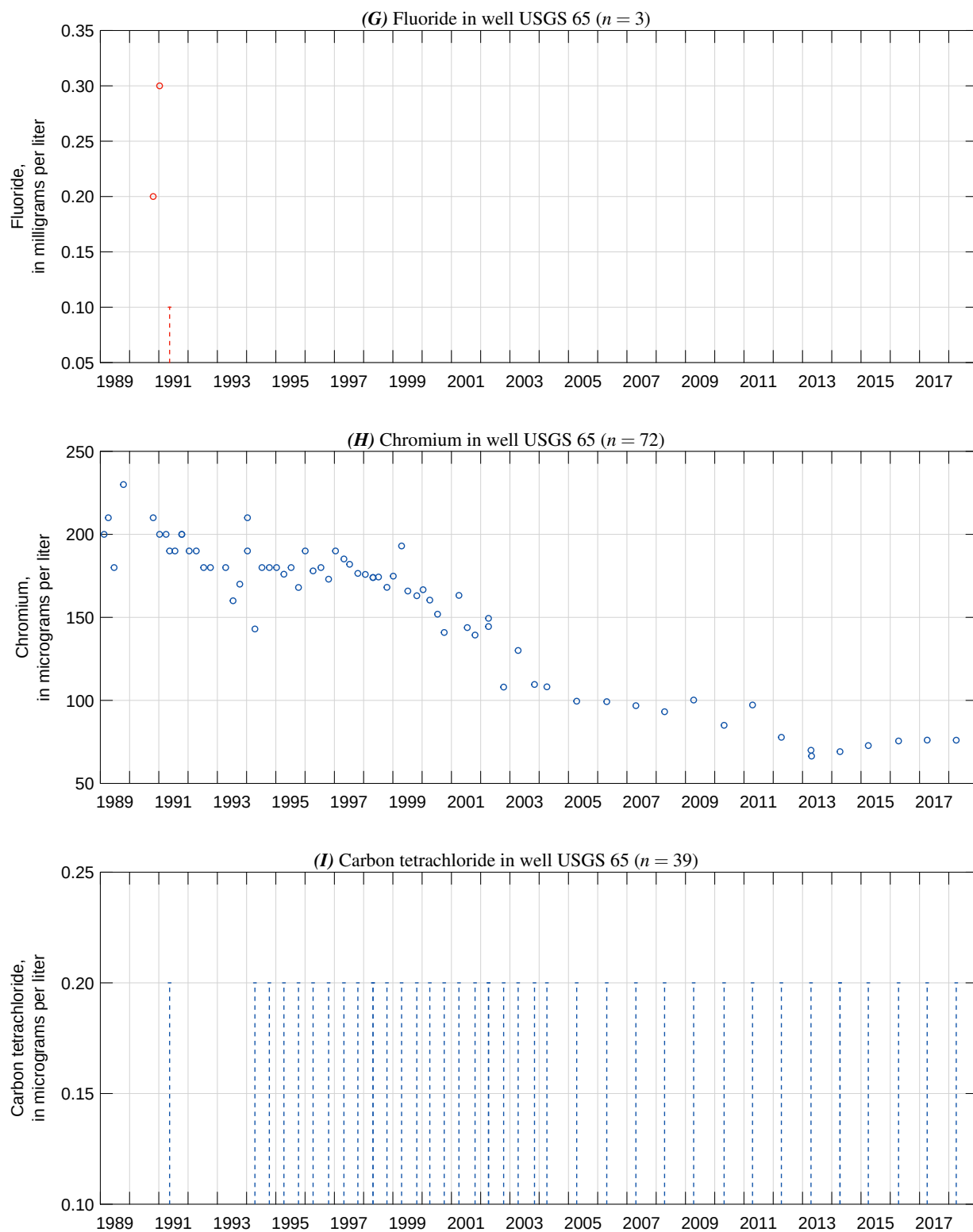
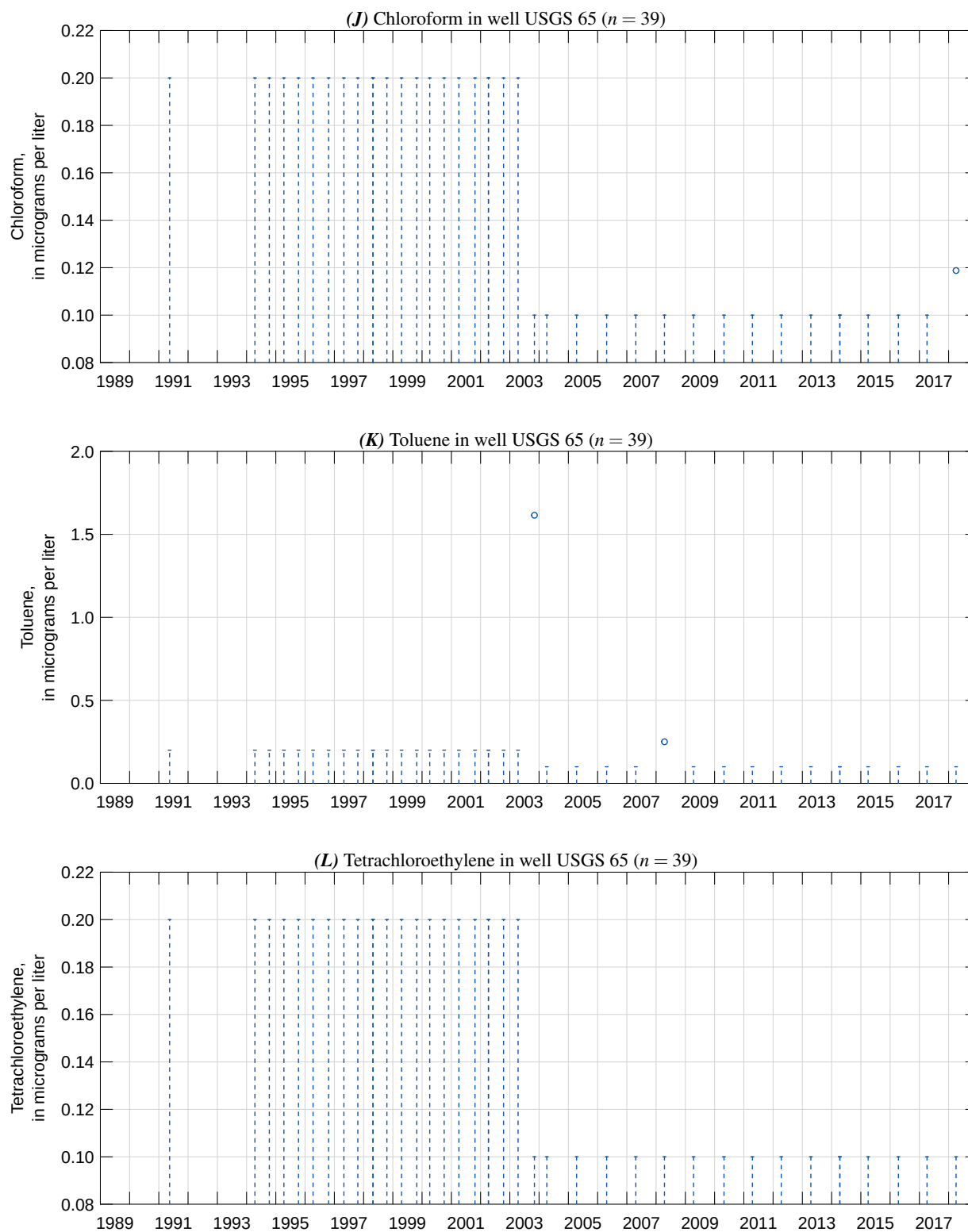
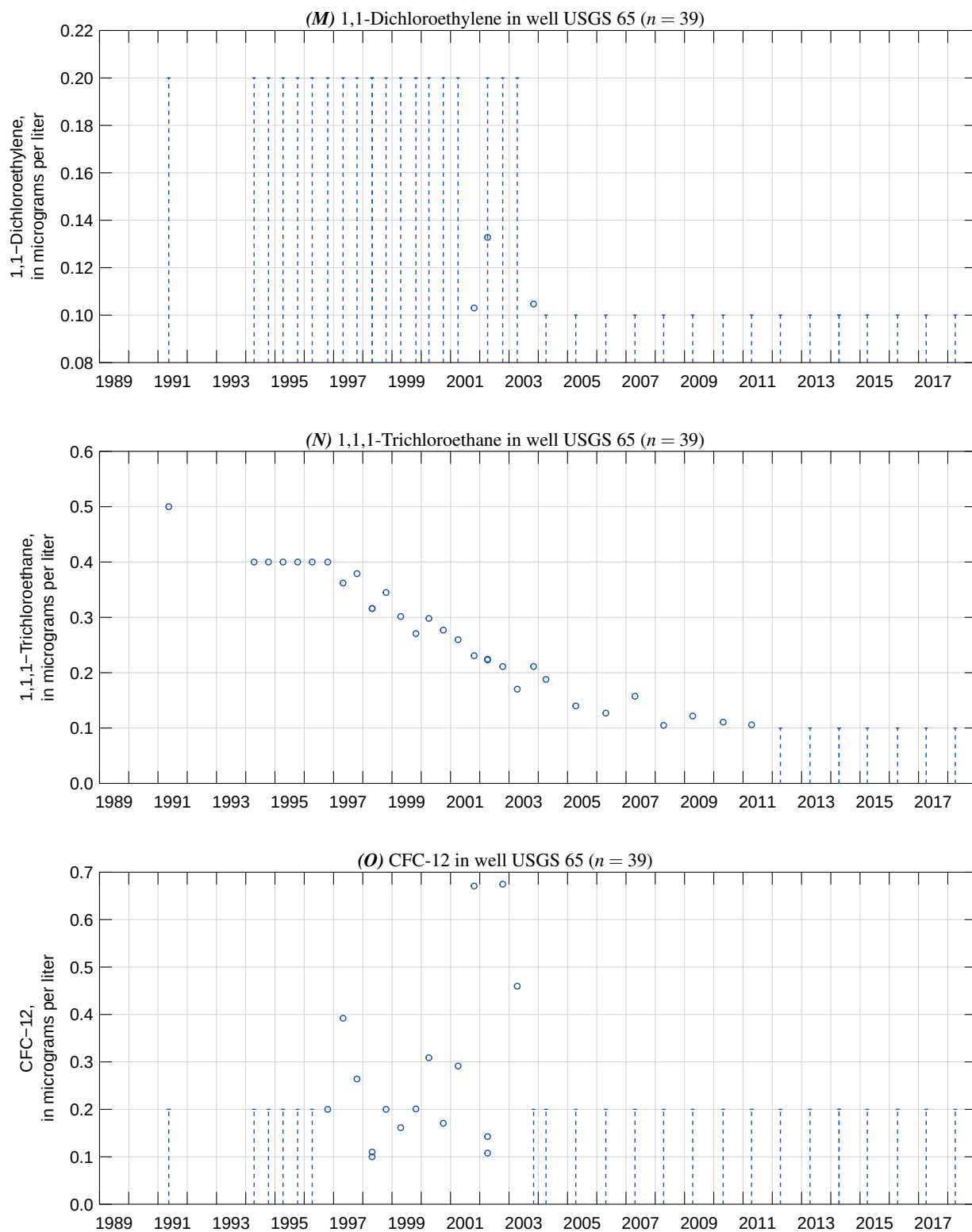


Figure 4.134. —Continued





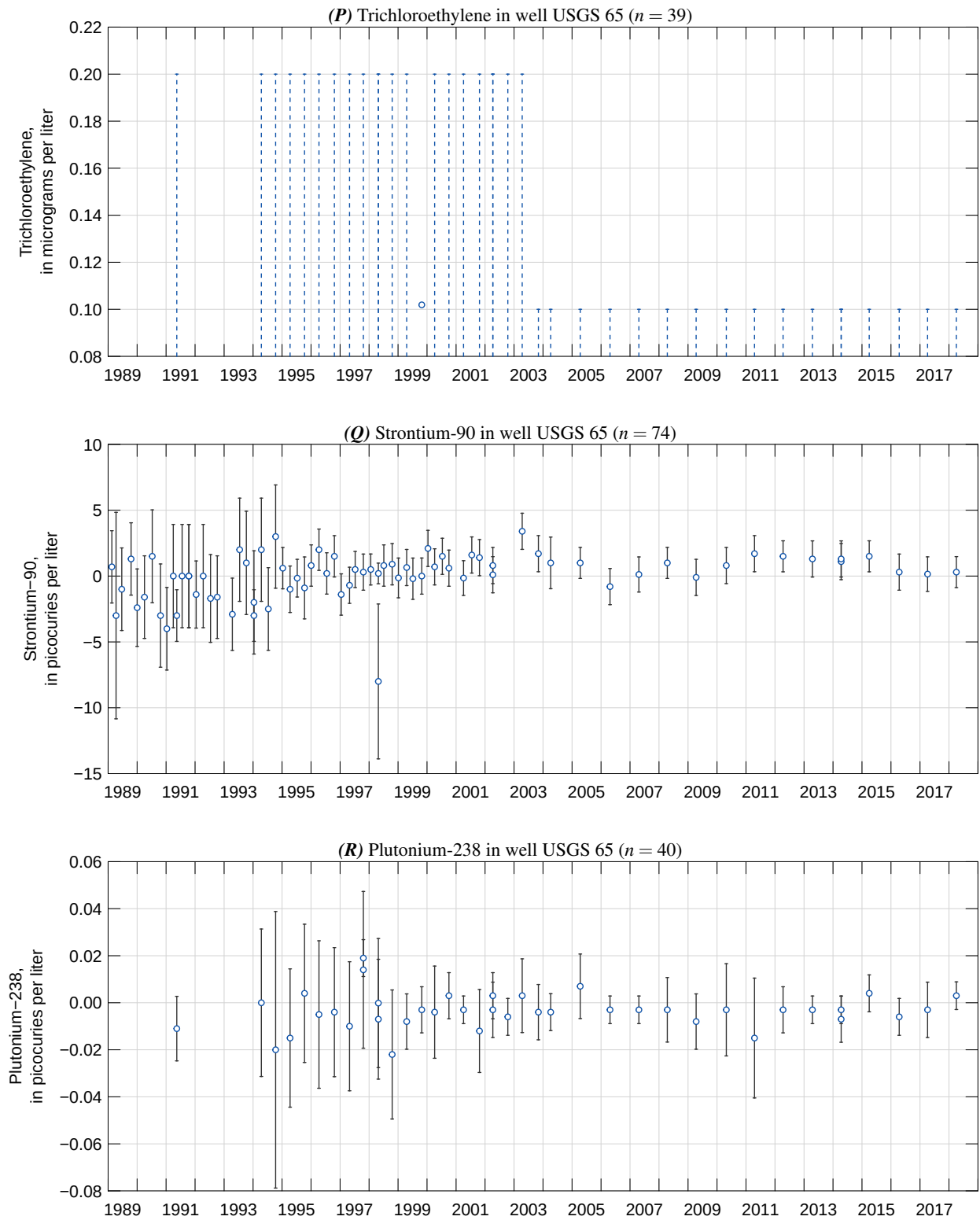


Figure 4.134. —Continued

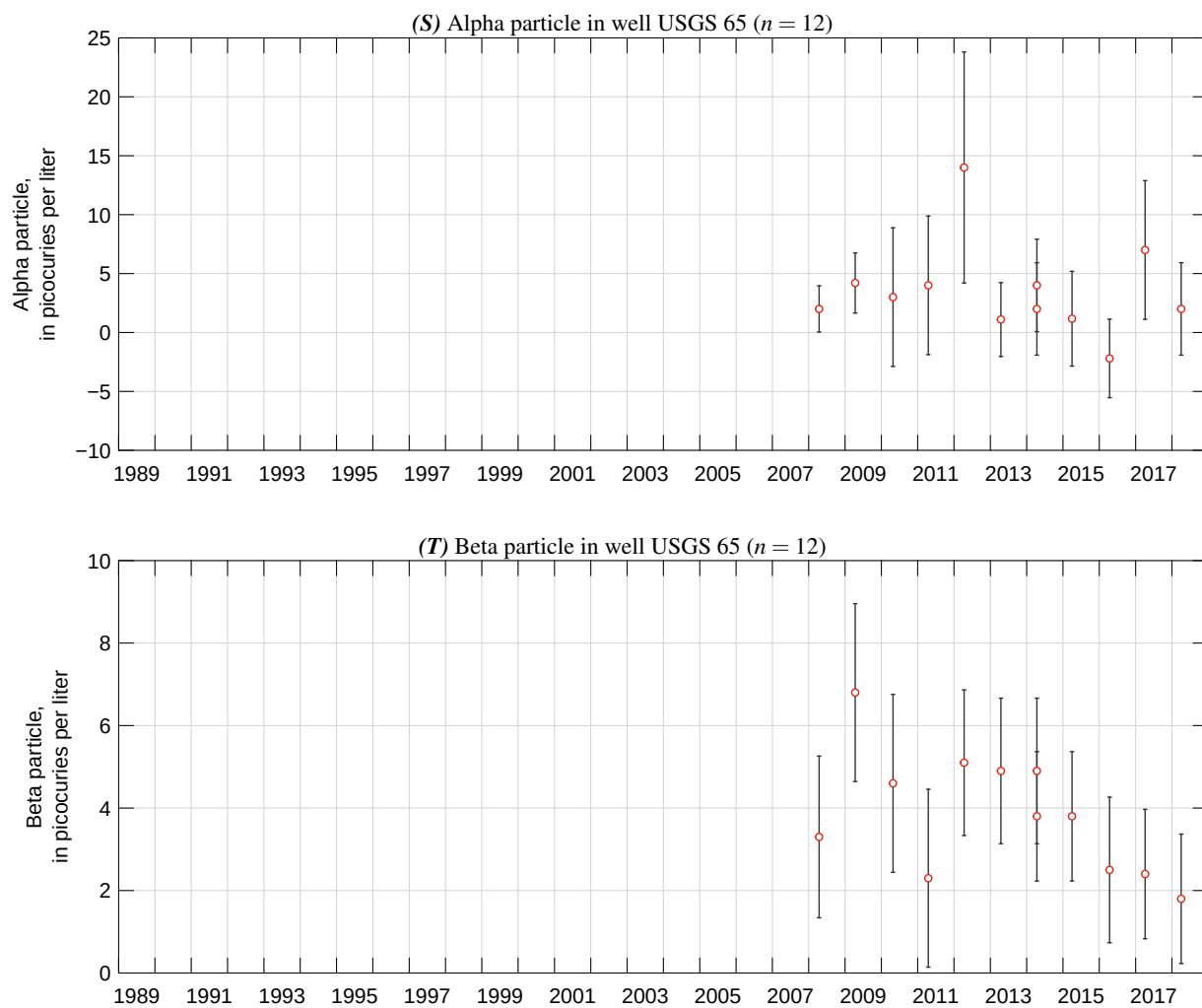


Figure 4.134. —Continued

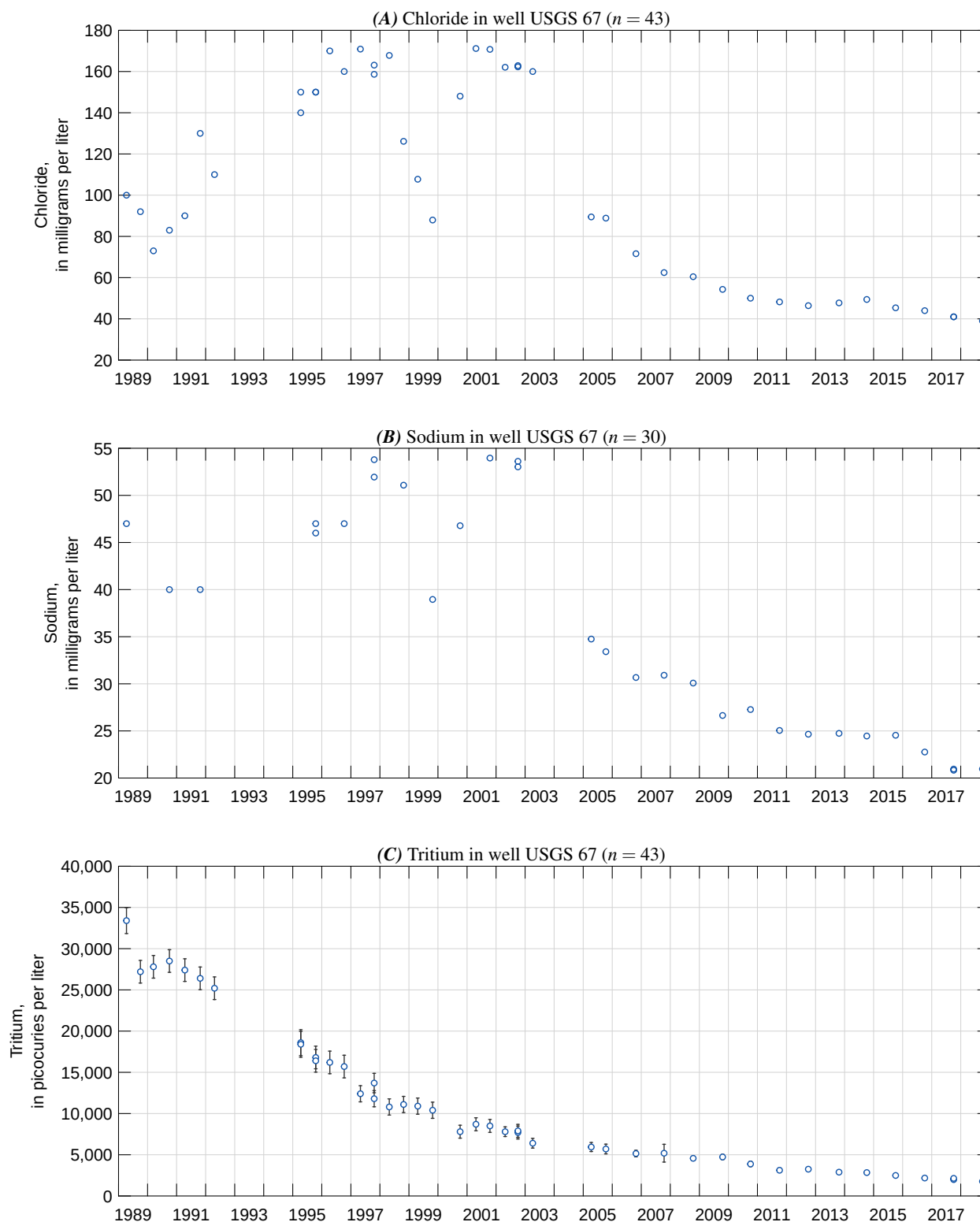


Figure 4.135. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) nitrate, (E) sulfate, (F) fluoride, (G) carbon tetrachloride, (H) chloroform, (I) toluene, (J) tetrachloroethylene, (K) 1,1-dichloroethylene, (L) 1,1,1-trichloroethane, (M) trichloroethylene, and (N) strontium-90 concentrations in water collected from well USGS 67 (Site No. 433344112554101), Idaho National Laboratory, Idaho, 1989–2018.

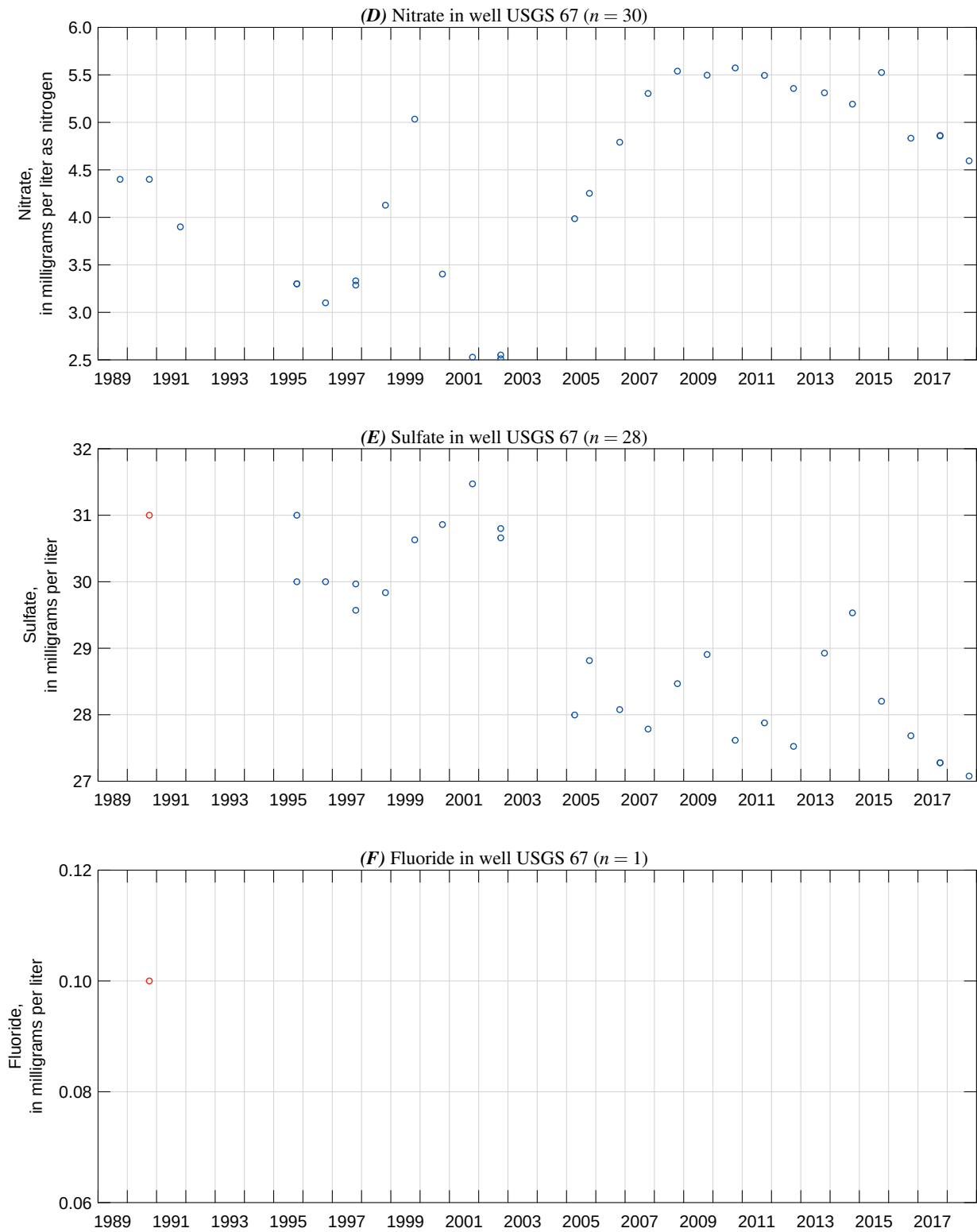


Figure 4.135. —Continued

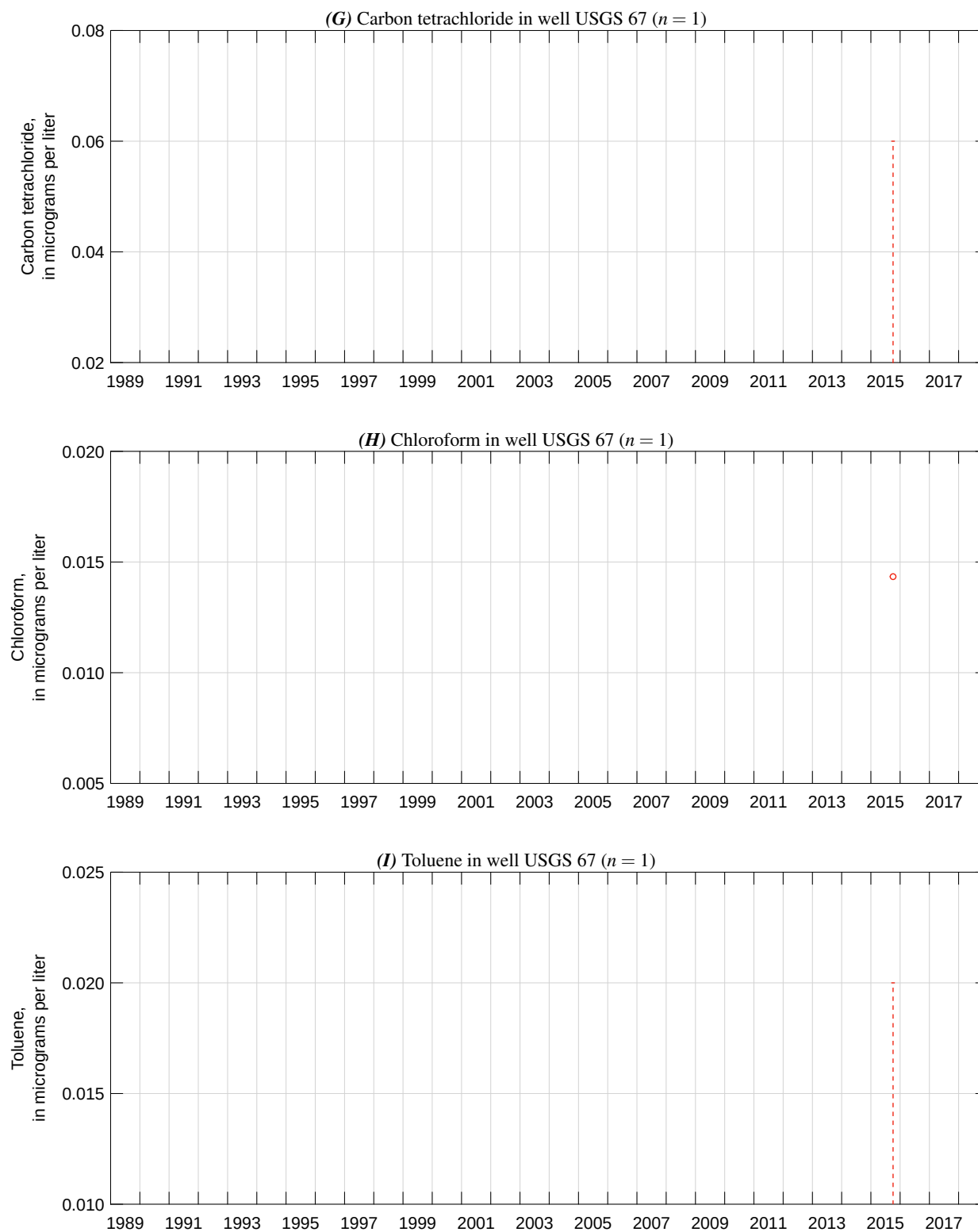


Figure 4.135. —Continued

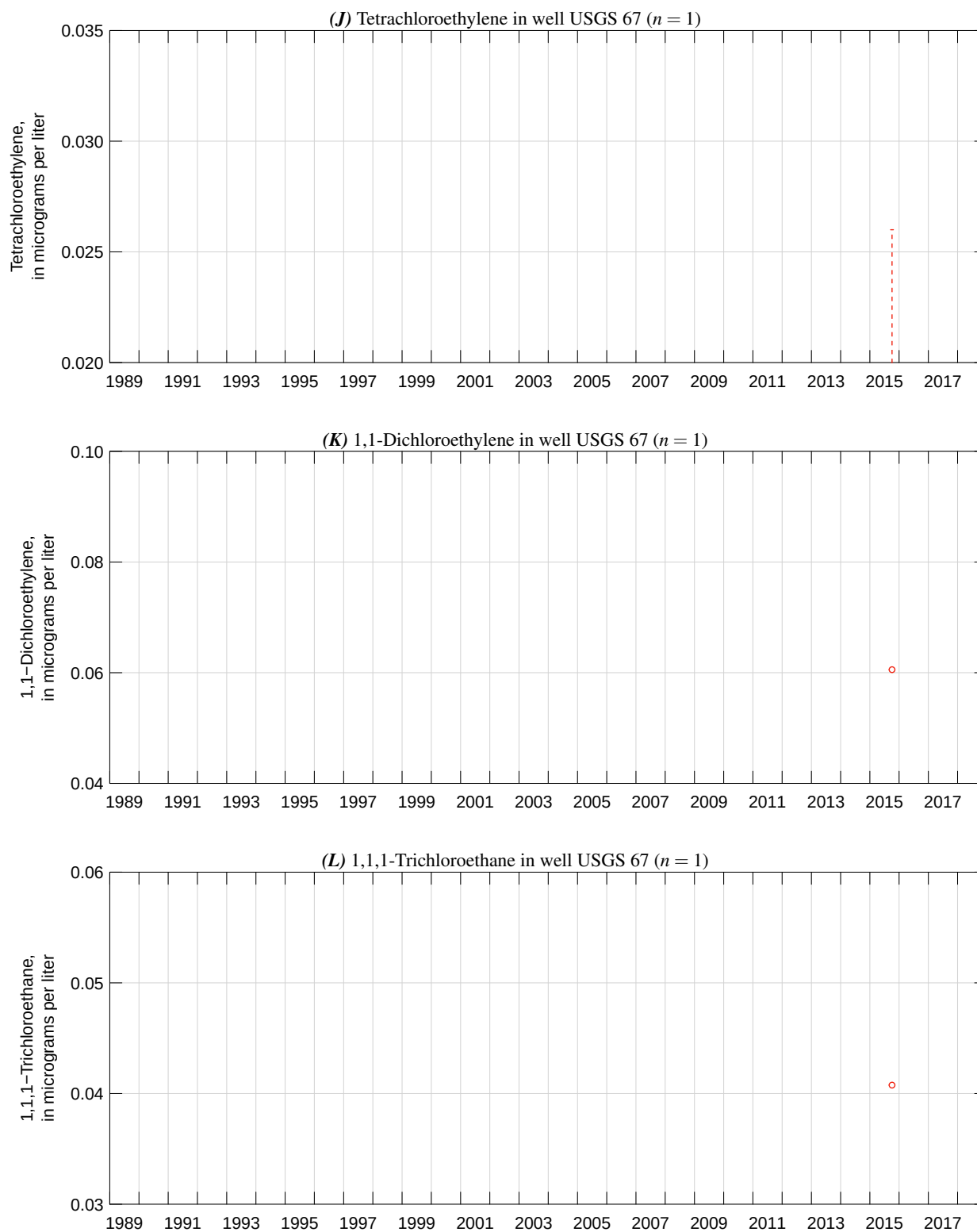


Figure 4.135. —Continued

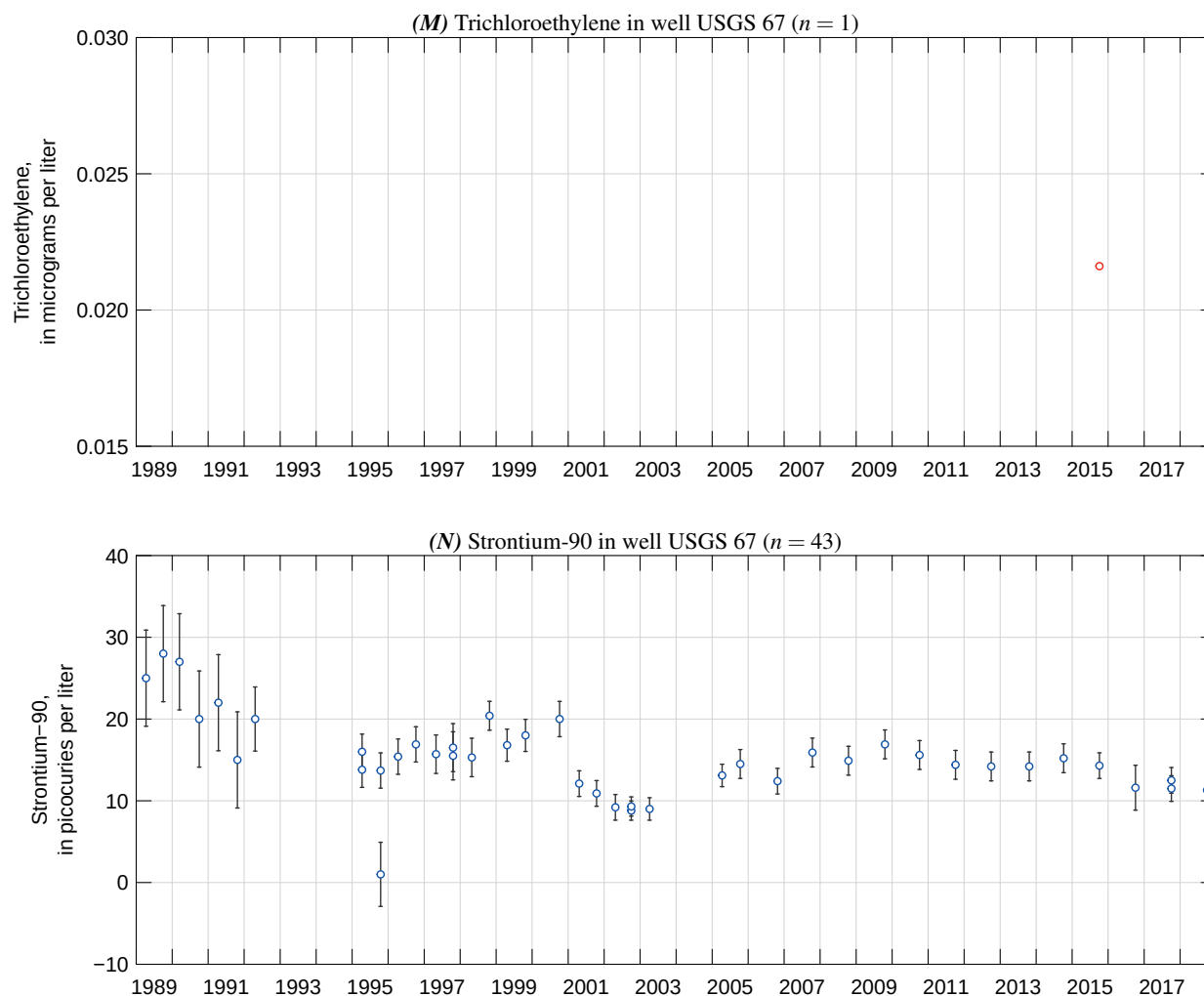


Figure 4.135. —Continued

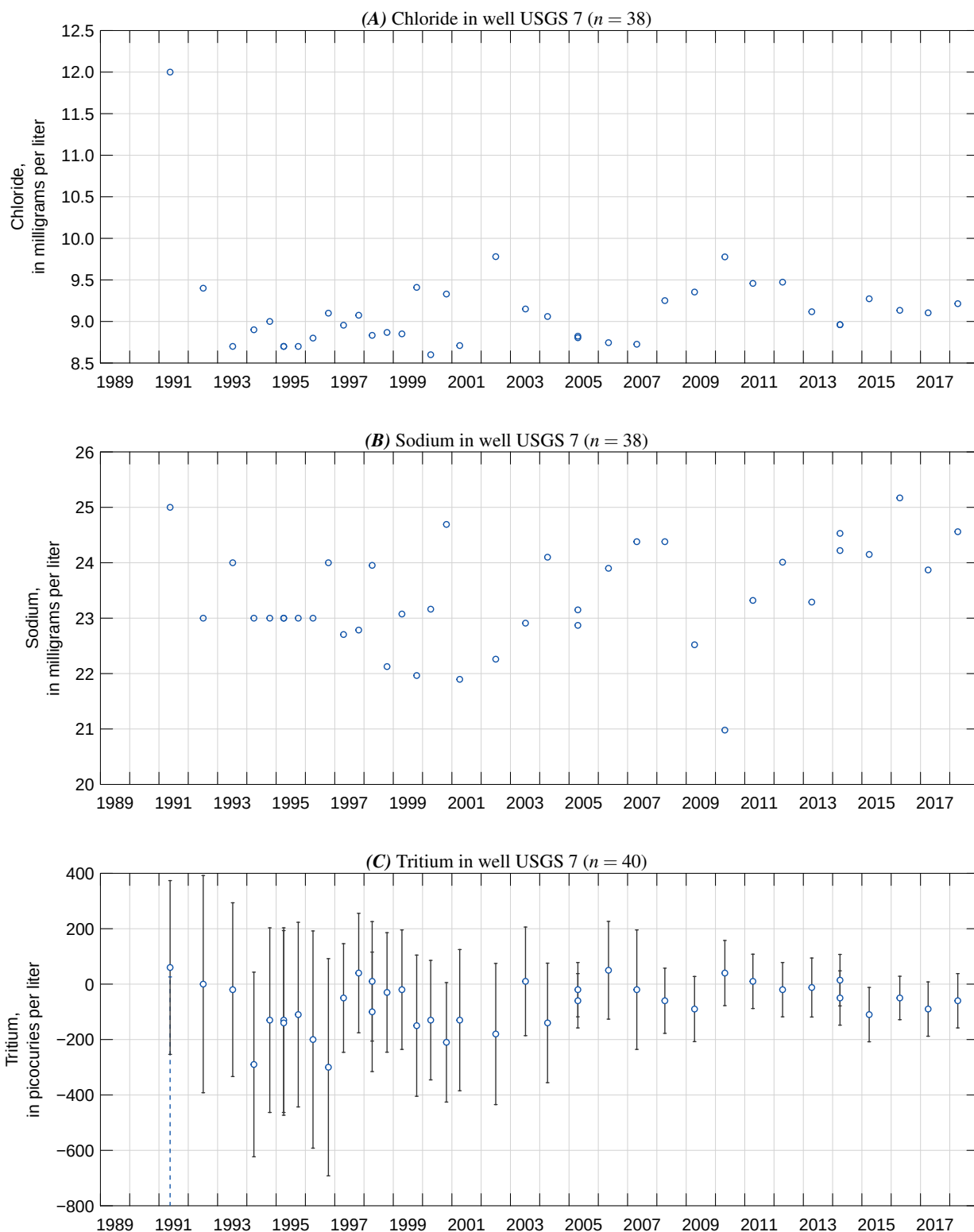


Figure 4.136. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, (R) plutonium-238, (S) alpha particle, and (T) beta particle concentrations in water collected from well USGS 7 (Site No. 434915112443901), Idaho National Laboratory, Idaho, 1989–2018.

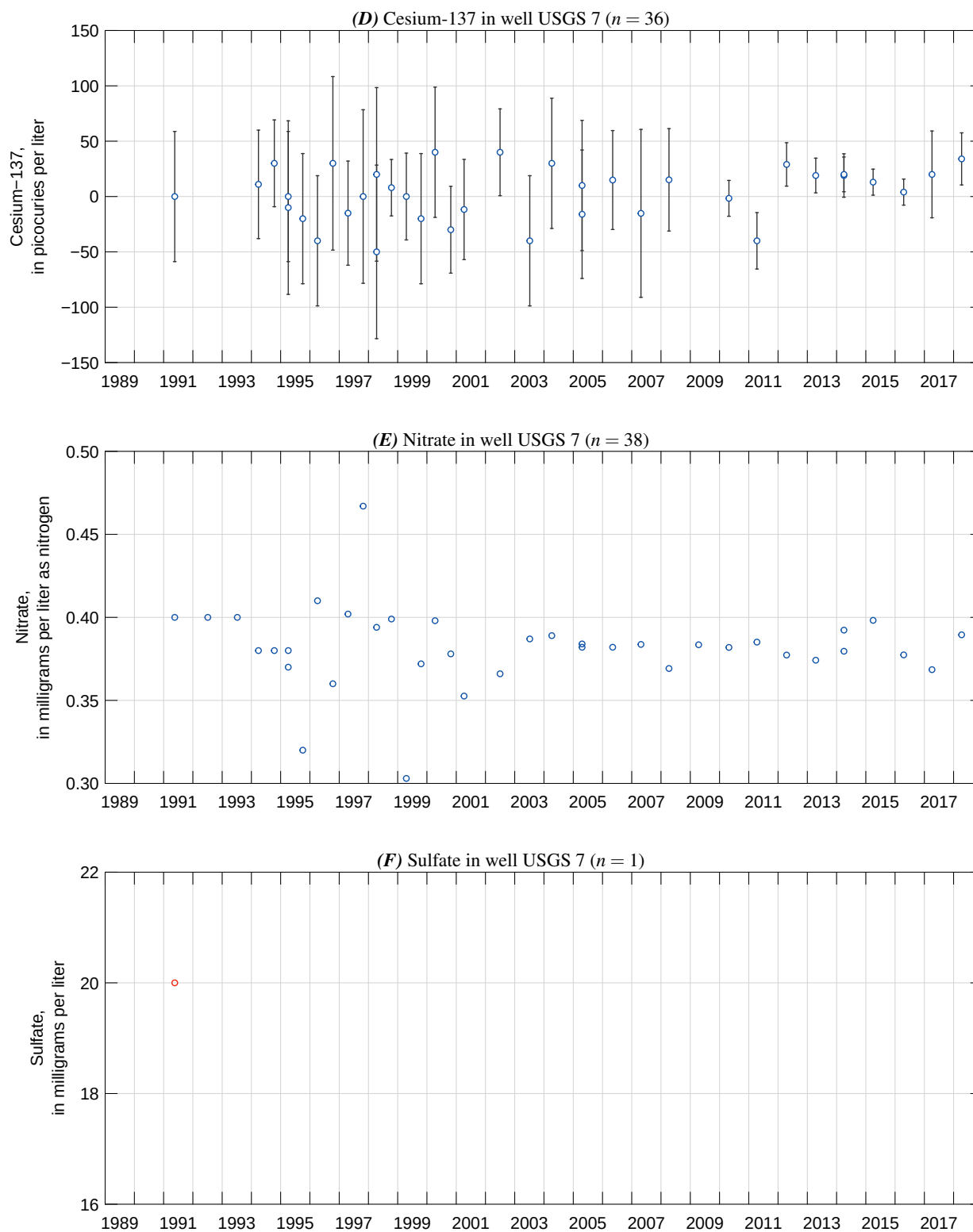


Figure 4.136. —Continued

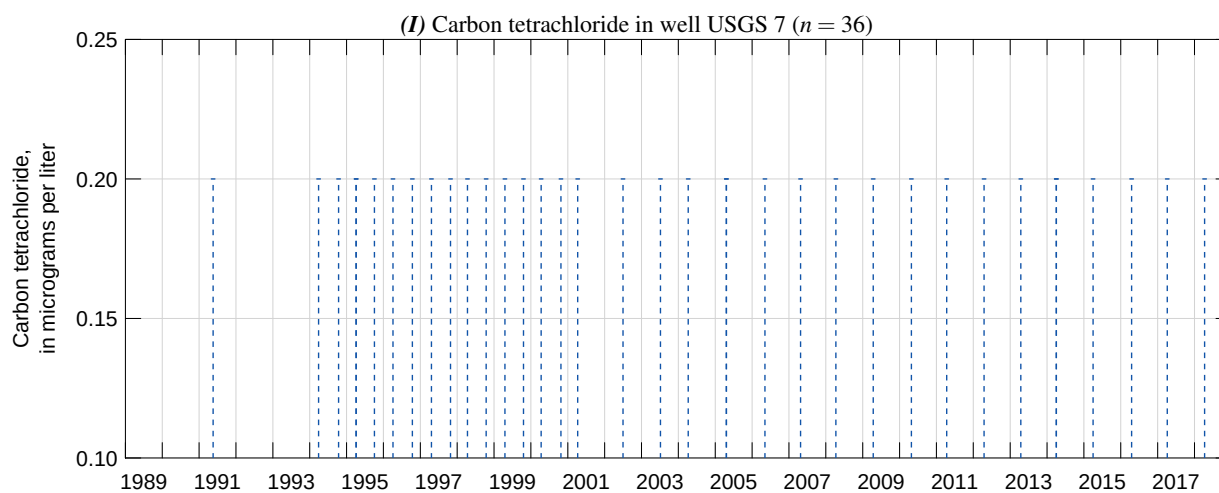
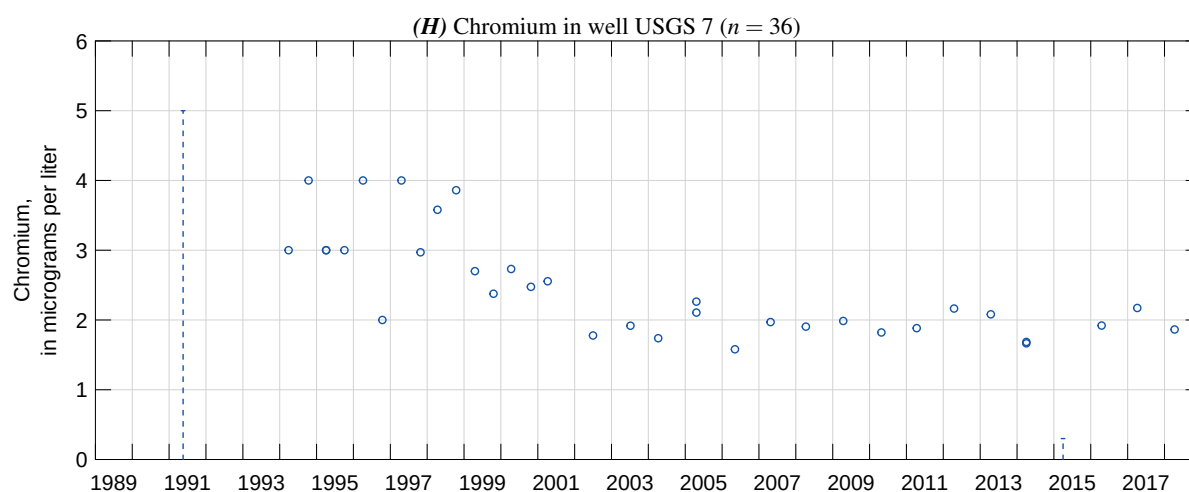
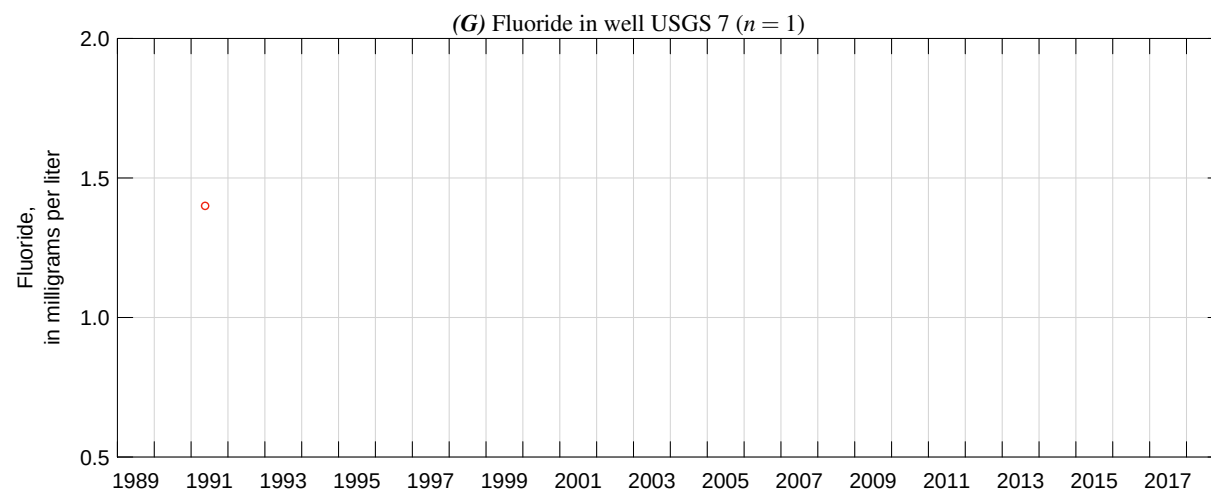


Figure 4.136. —Continued

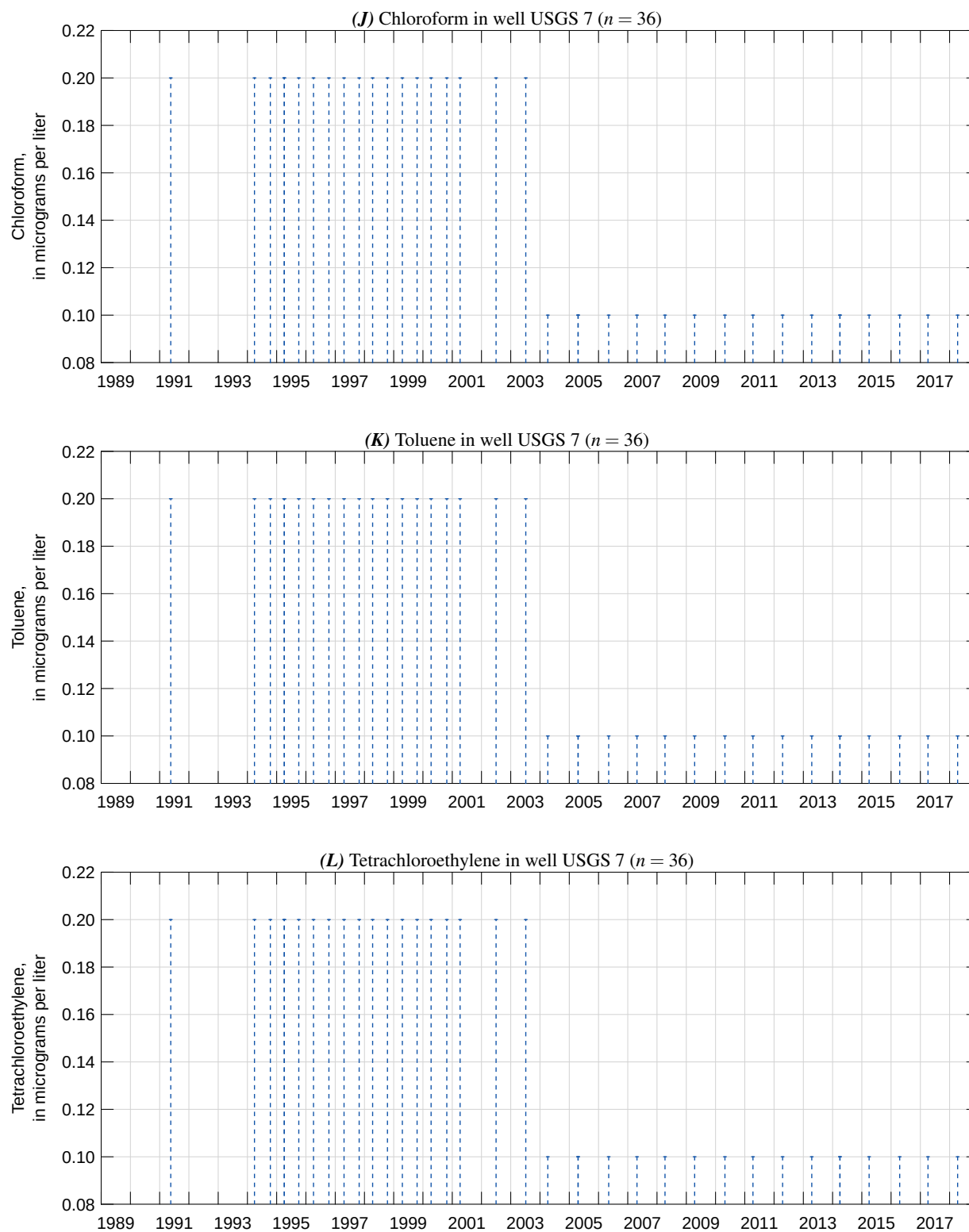


Figure 4.136. —Continued

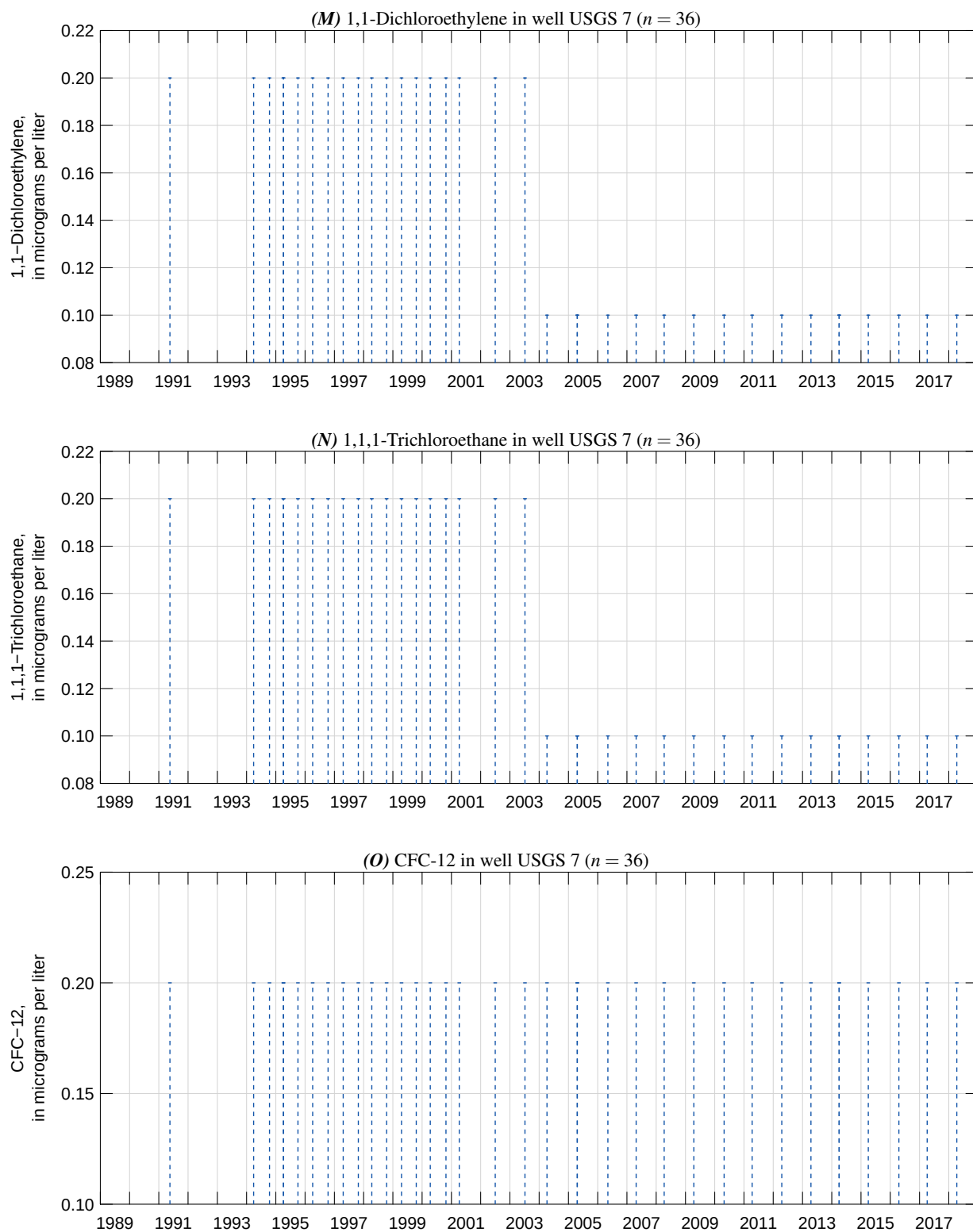


Figure 4.136. —Continued

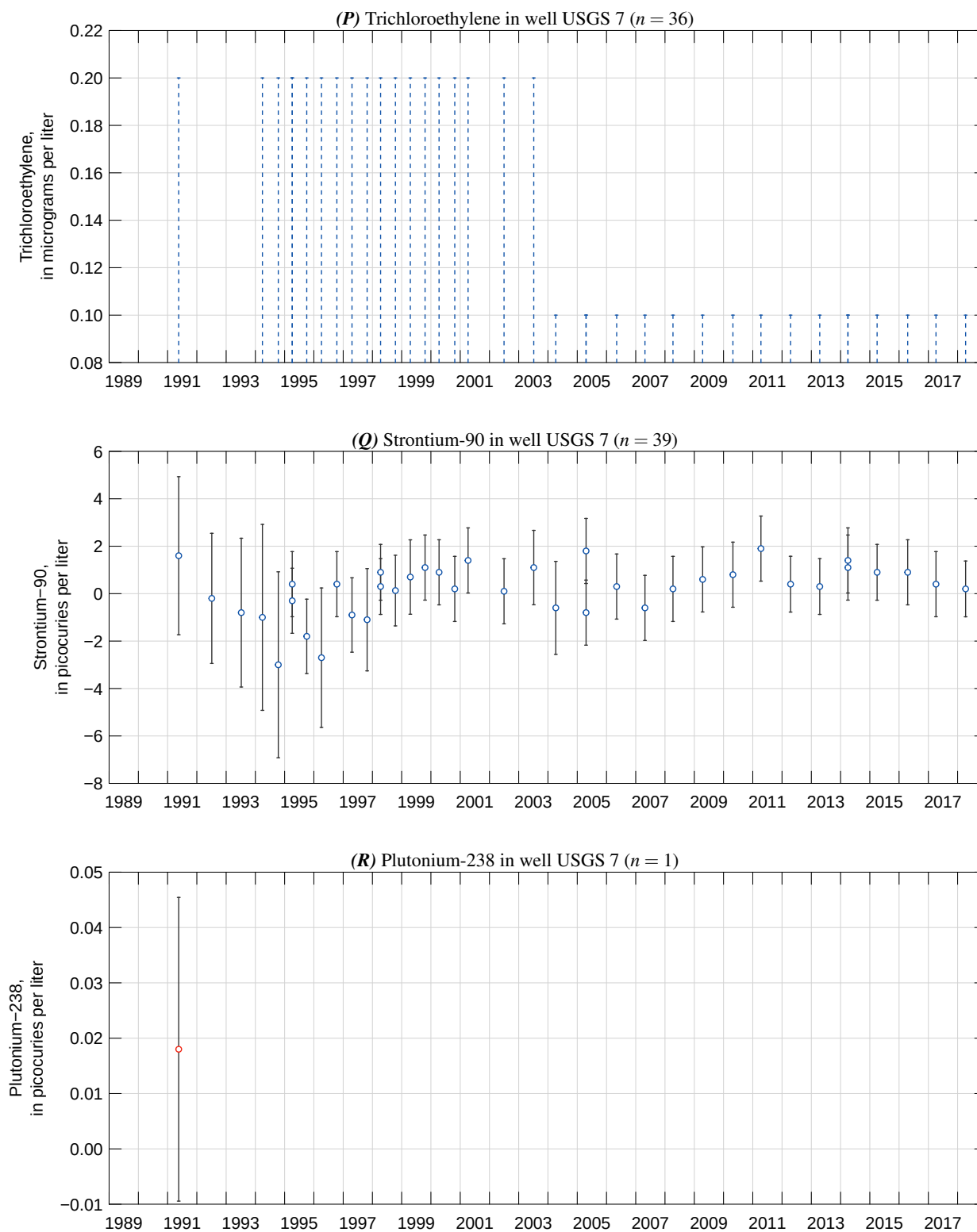


Figure 4.136. —Continued

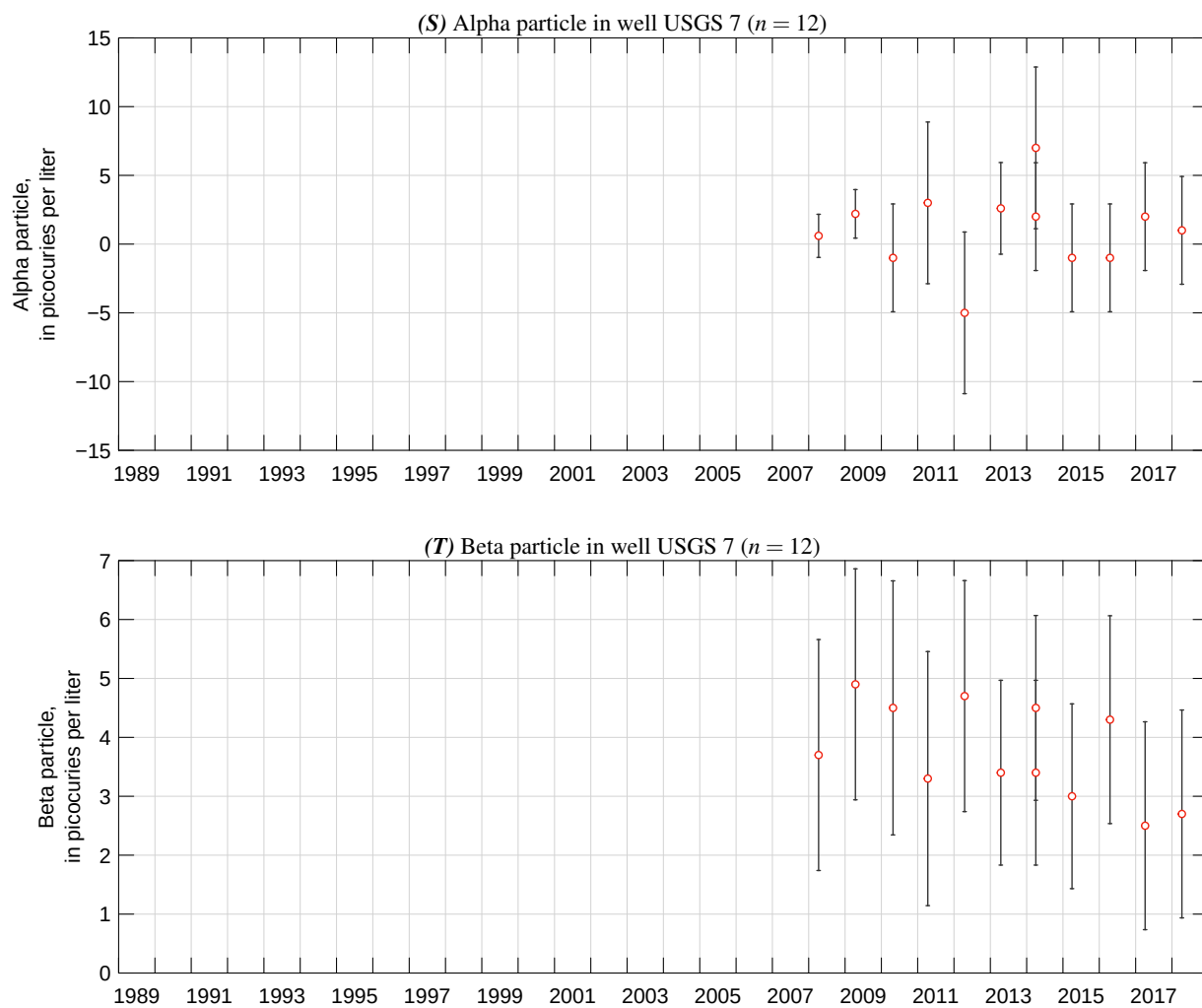


Figure 4.136. —Continued

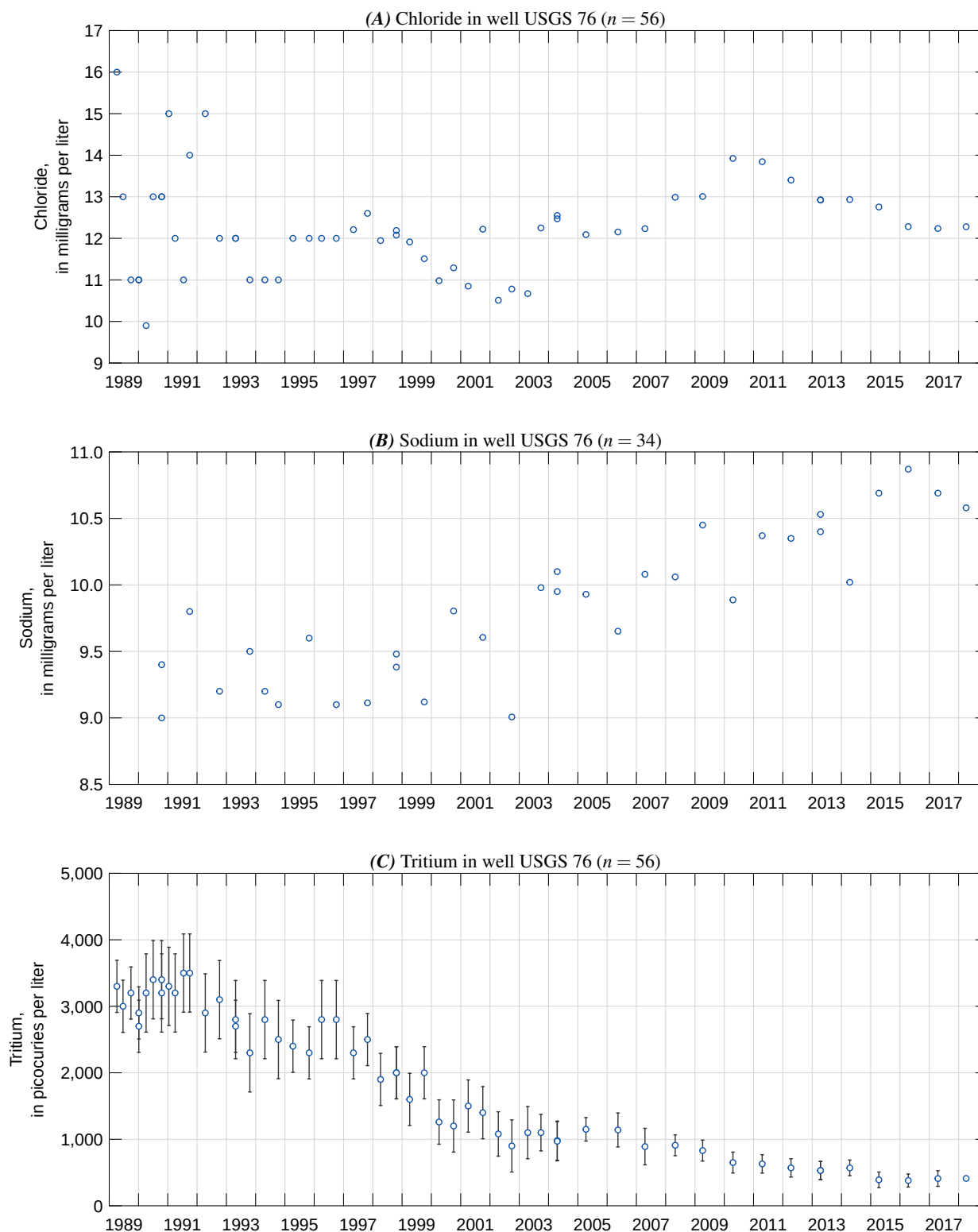


Figure 4.137. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, and (R) plutonium-238 concentrations in water collected from well USGS 76 (Site No. 433425112573201), Idaho National Laboratory, Idaho, 1989–2018.

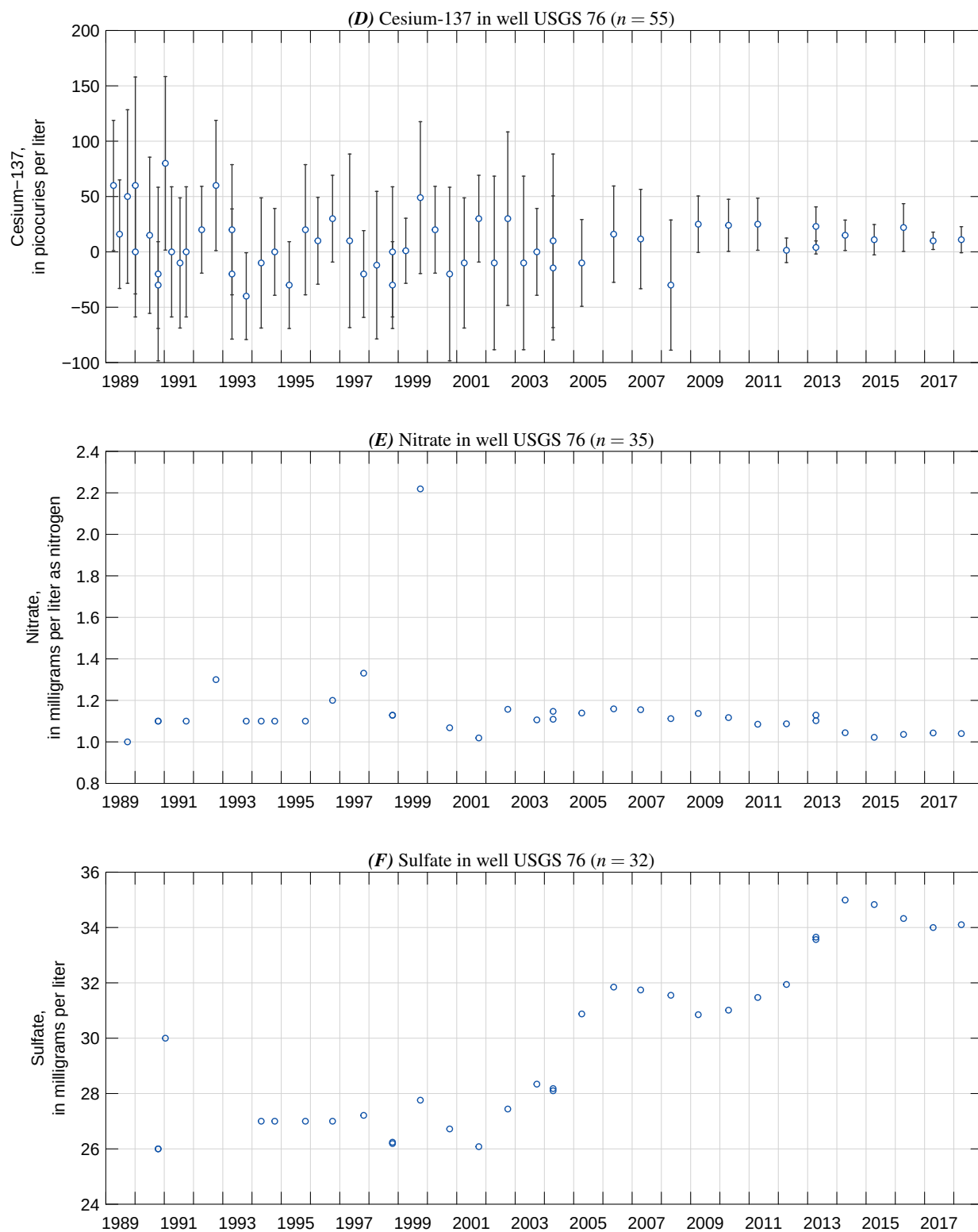


Figure 4.137. —Continued

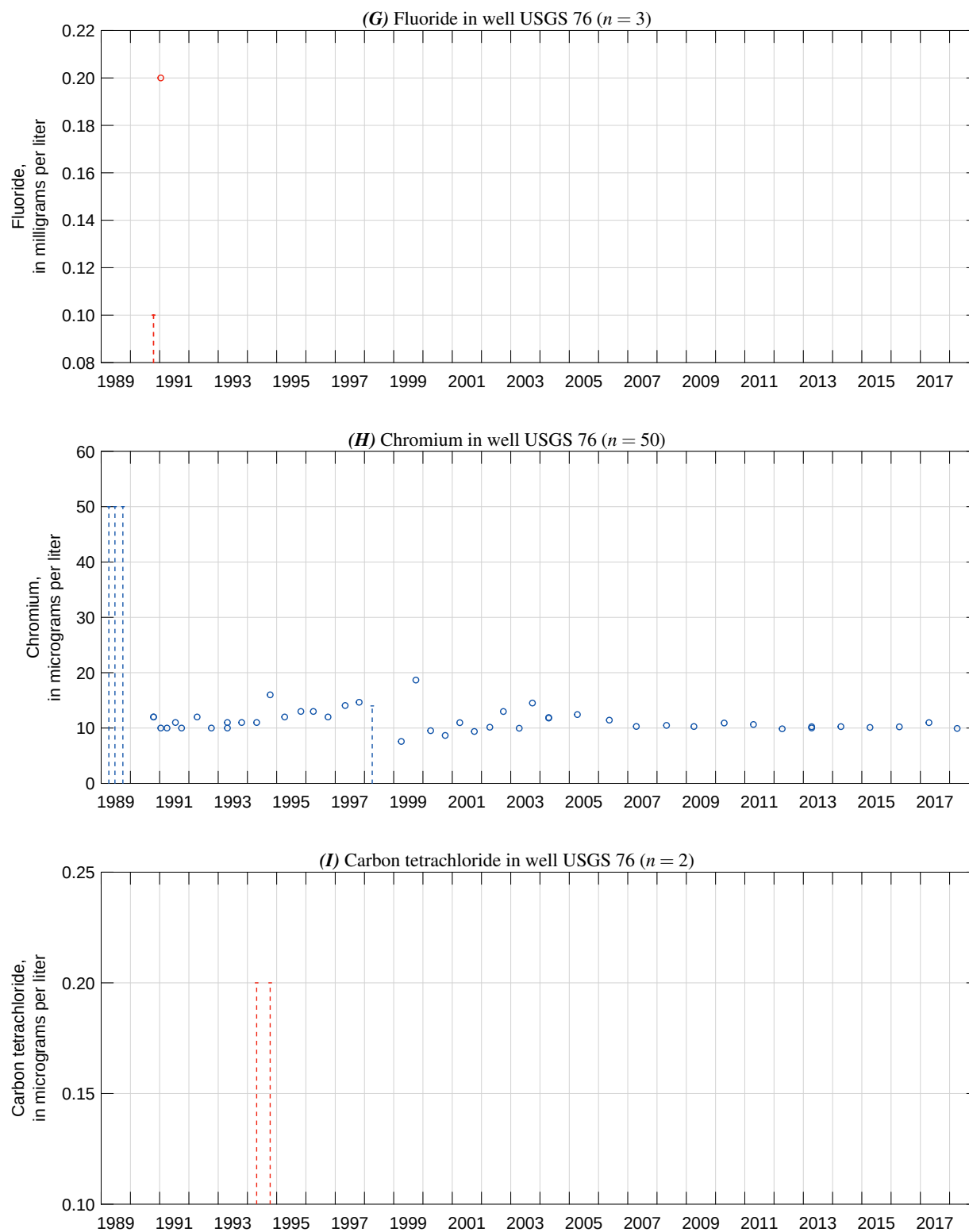


Figure 4.137. —Continued

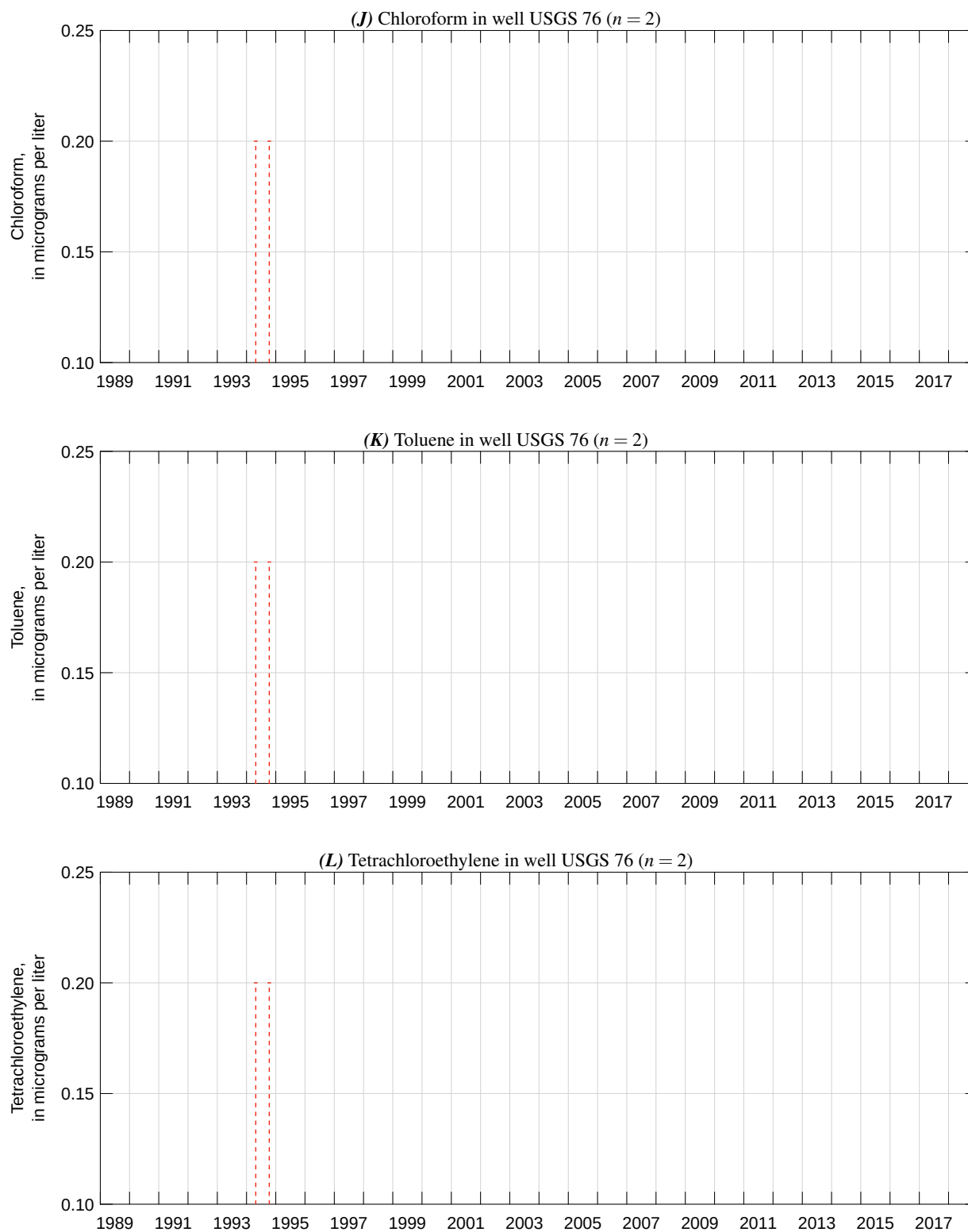


Figure 4.137. —Continued

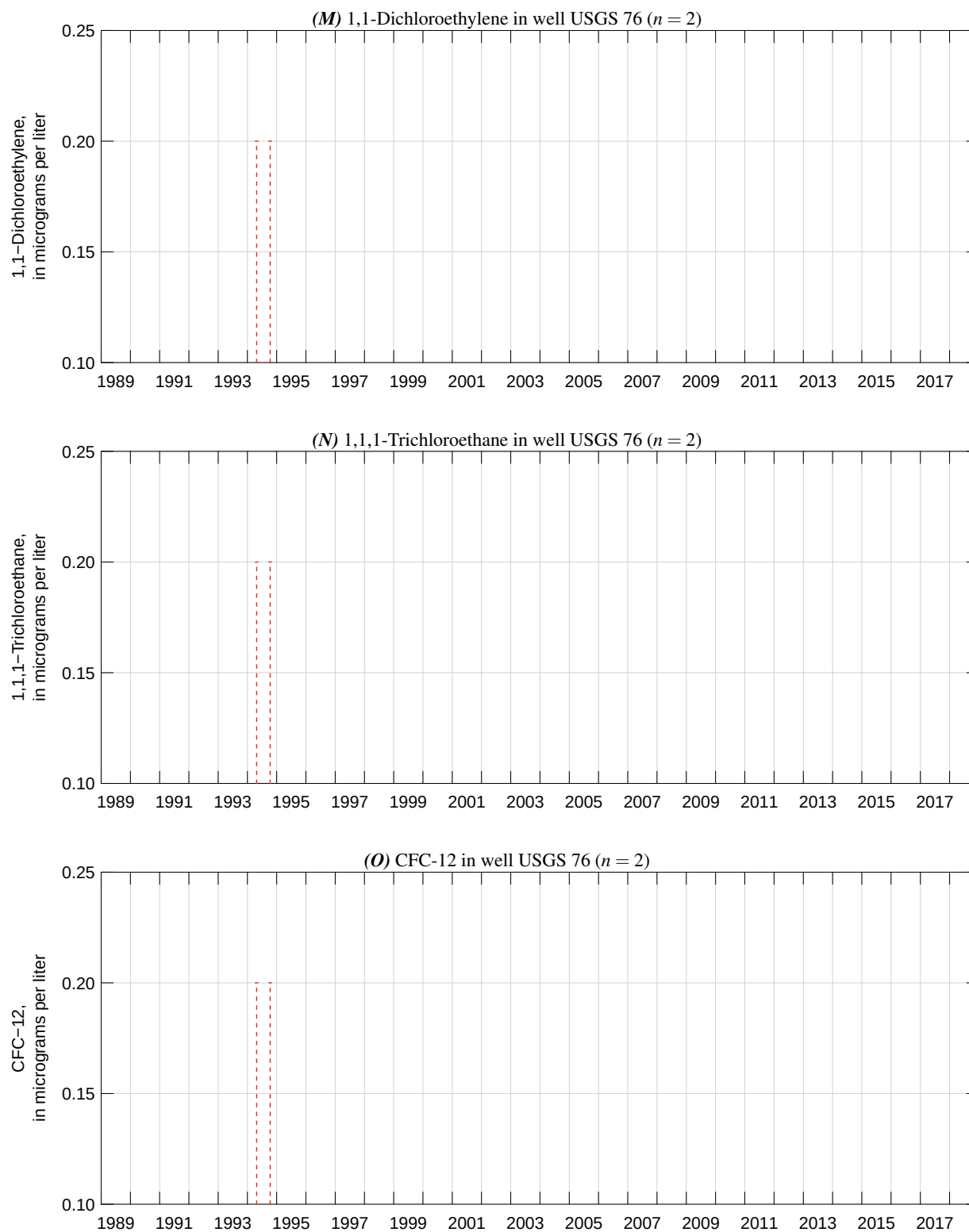


Figure 4.137. —Continued

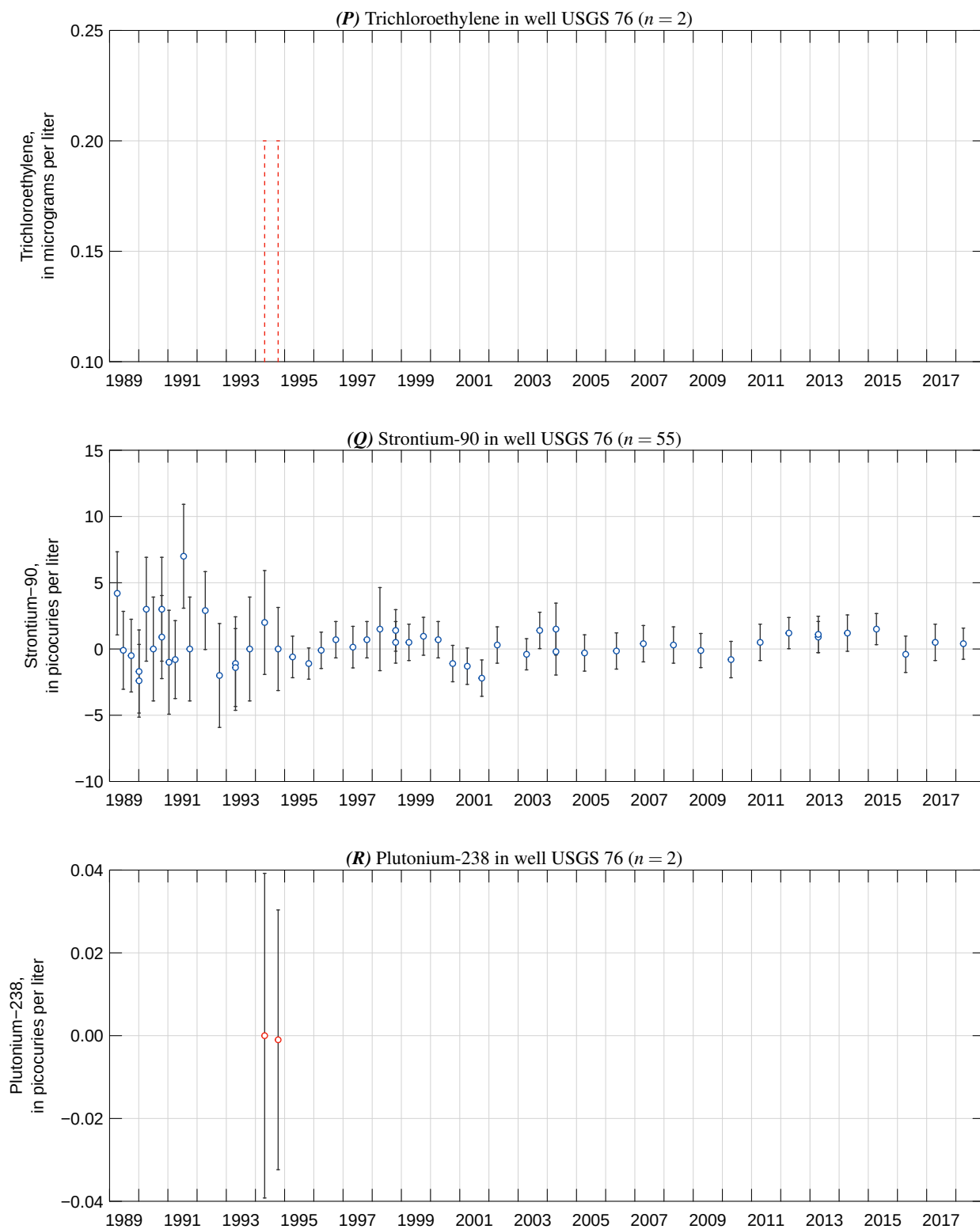


Figure 4.137. —Continued

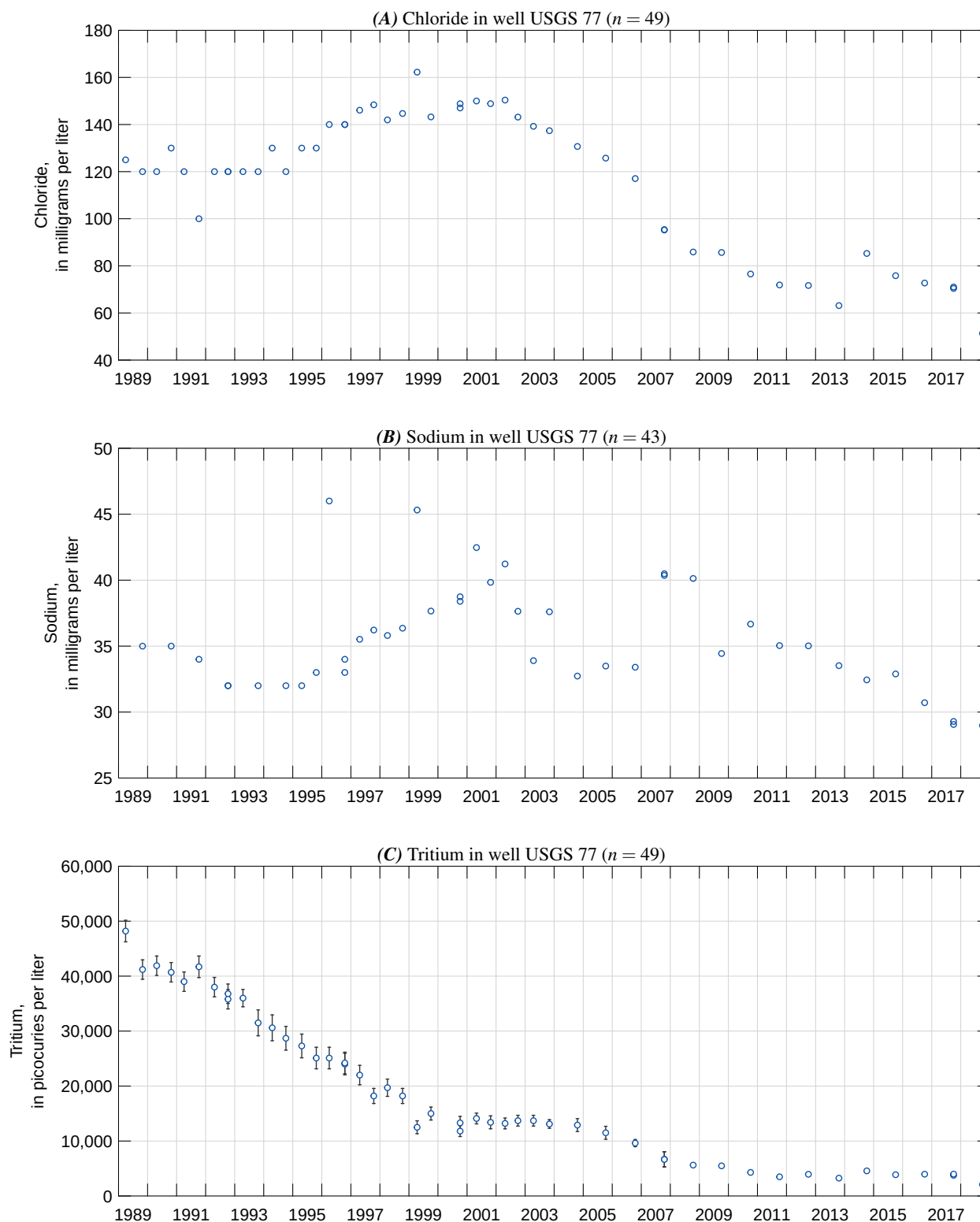


Figure 4.138. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, (R) plutonium-238, (S) alpha particle, and (T) beta particle concentrations in water collected from well USGS 77 (Site No. 433315112560301), Idaho National Laboratory, Idaho, 1989–2018.

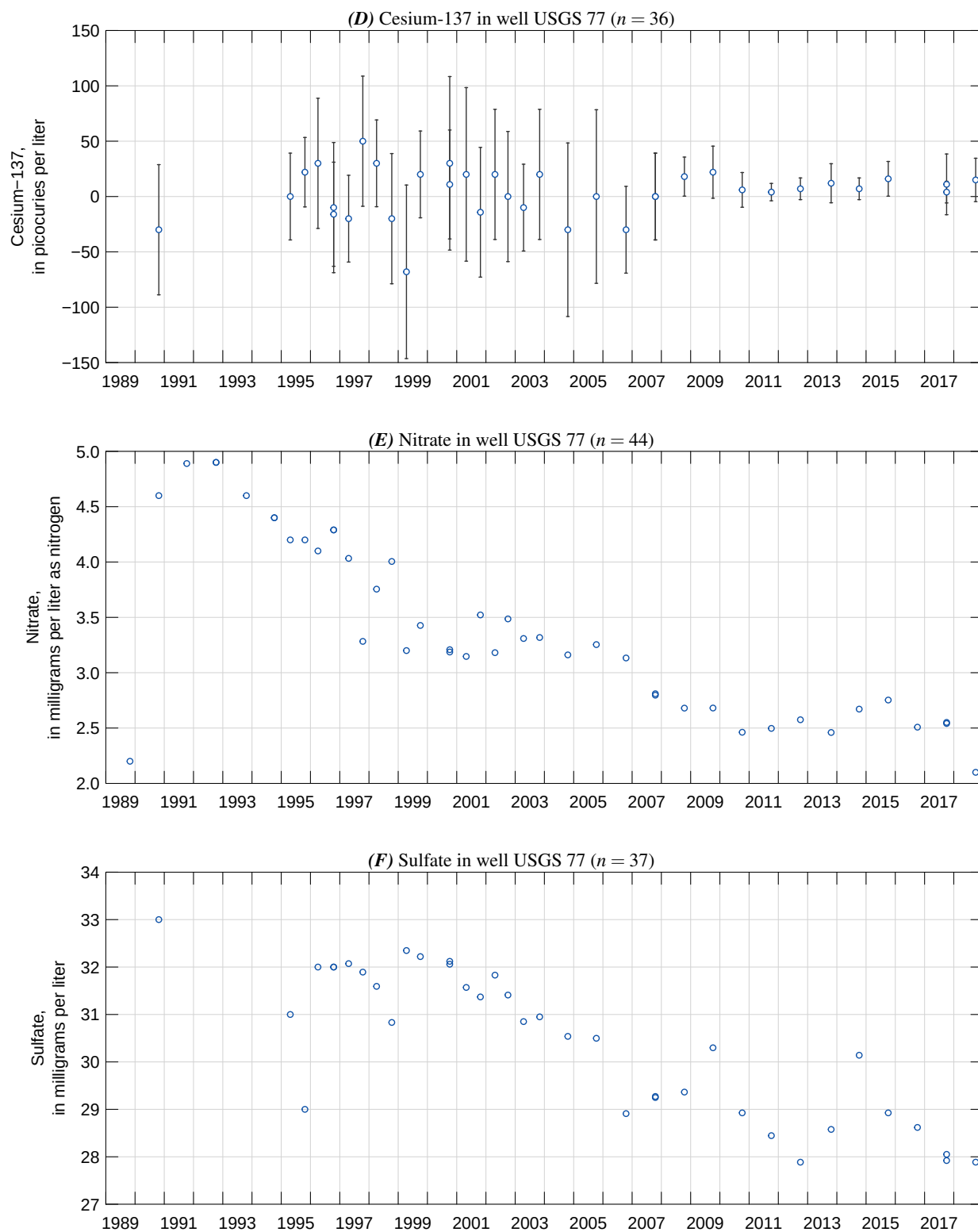


Figure 4.138. —Continued

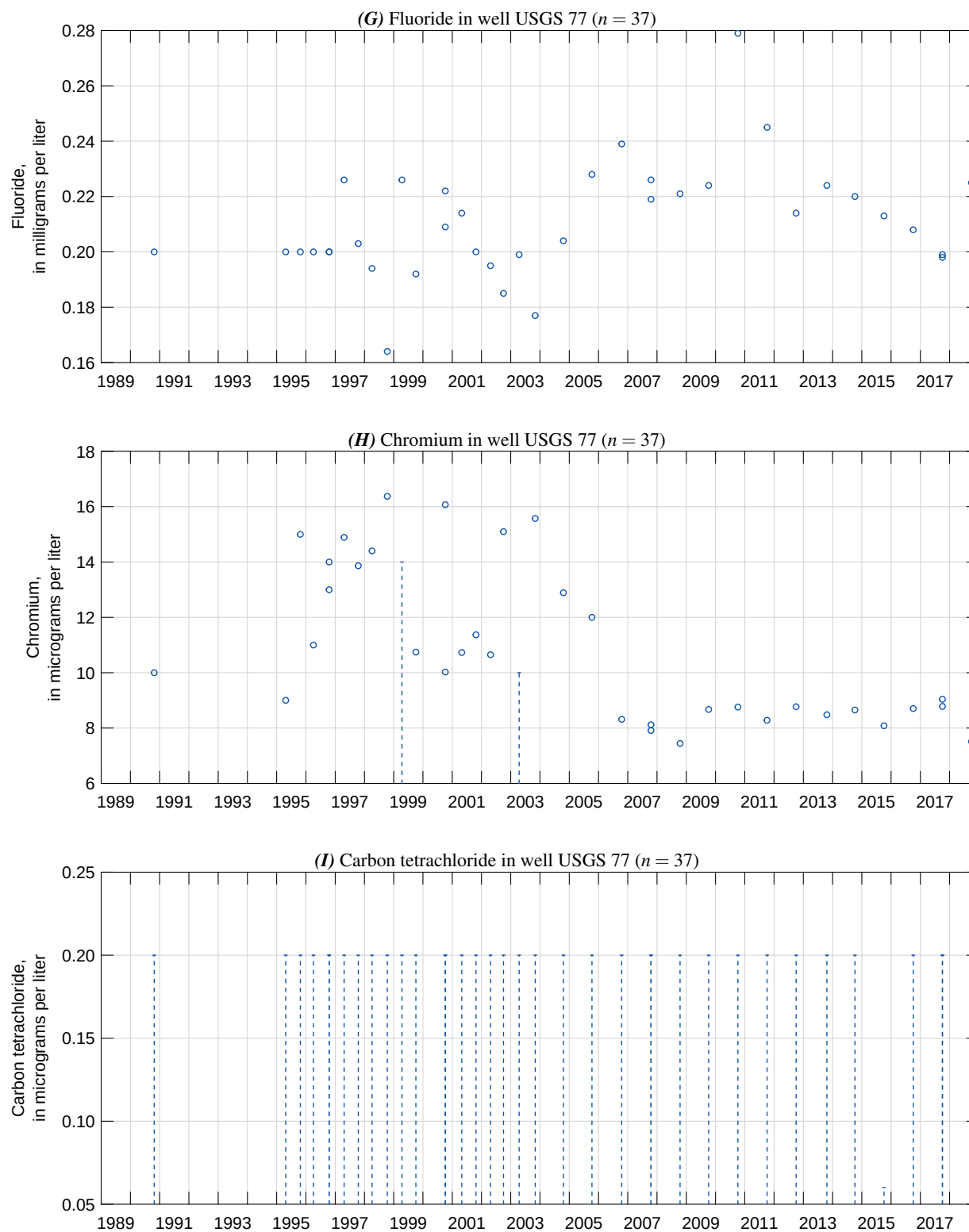


Figure 4.138. —Continued

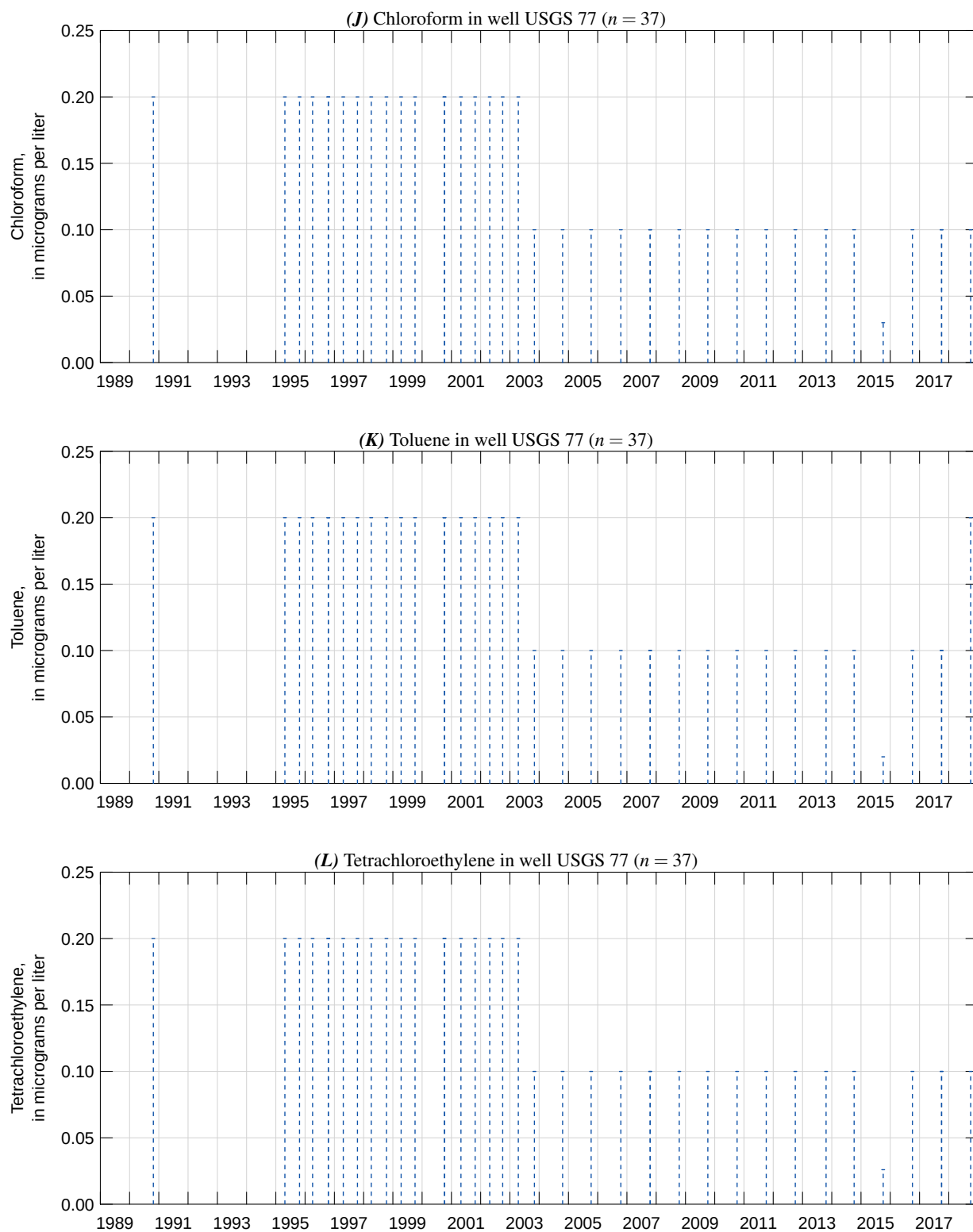


Figure 4.138. —Continued

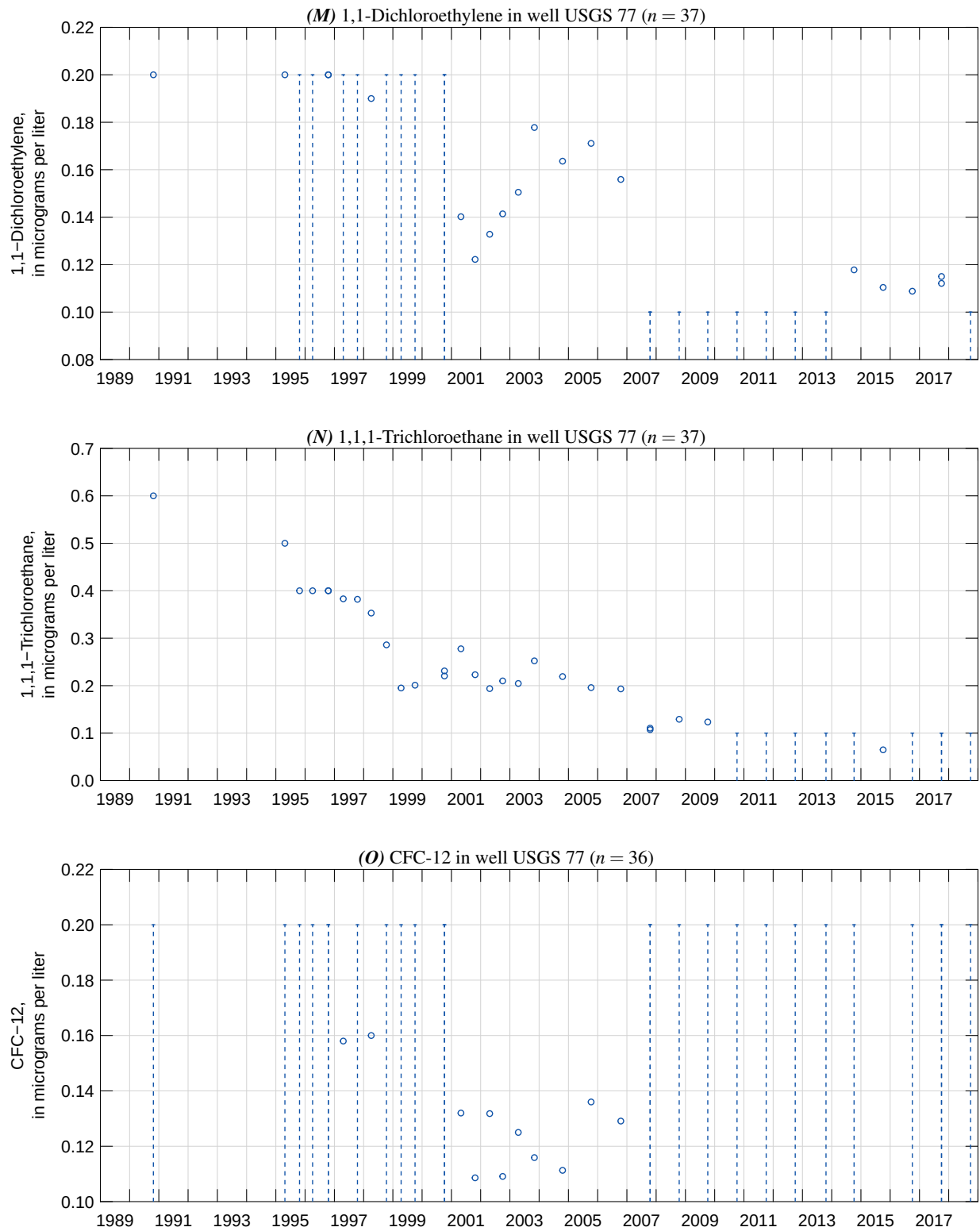


Figure 4.138. —Continued

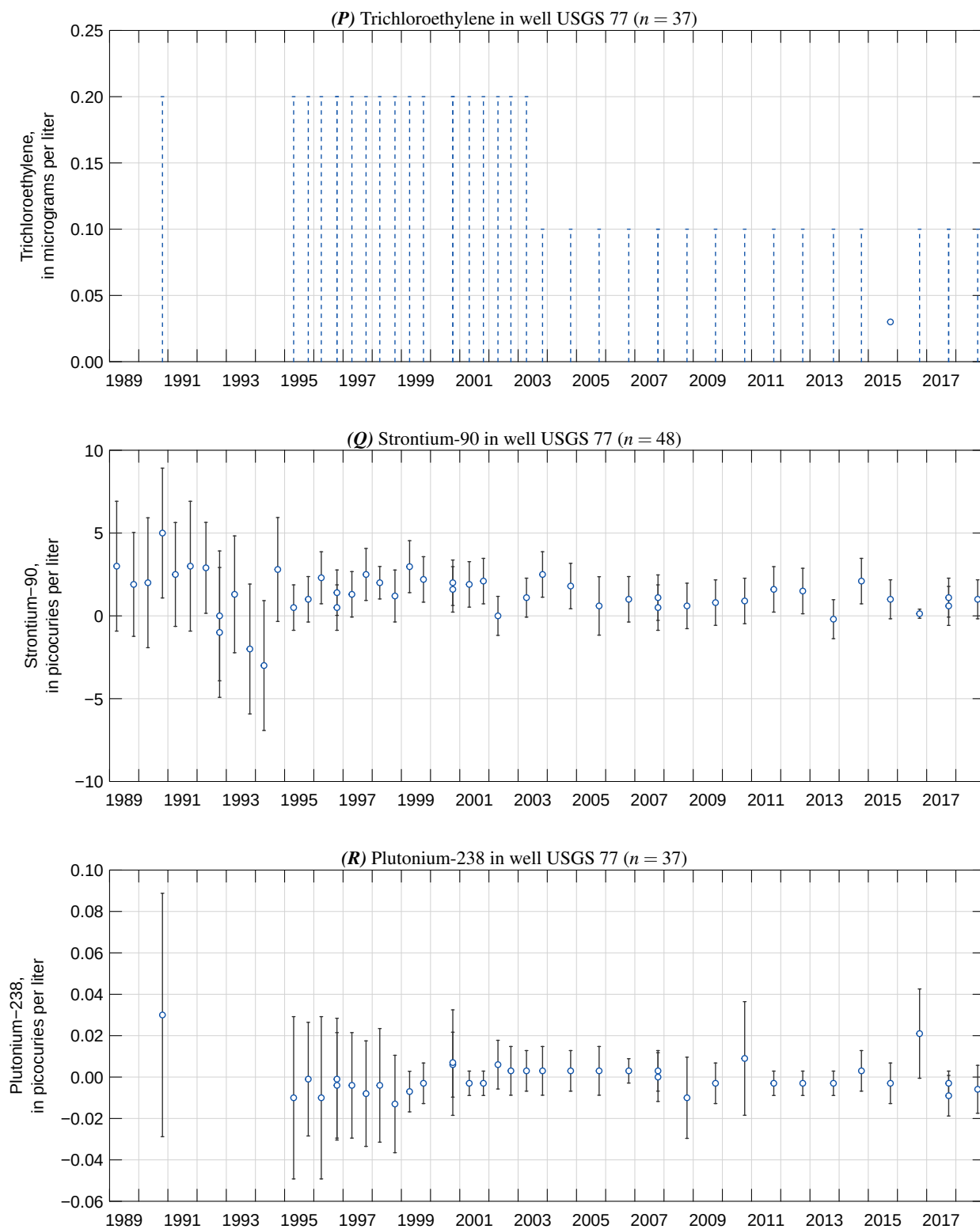


Figure 4.138. —Continued

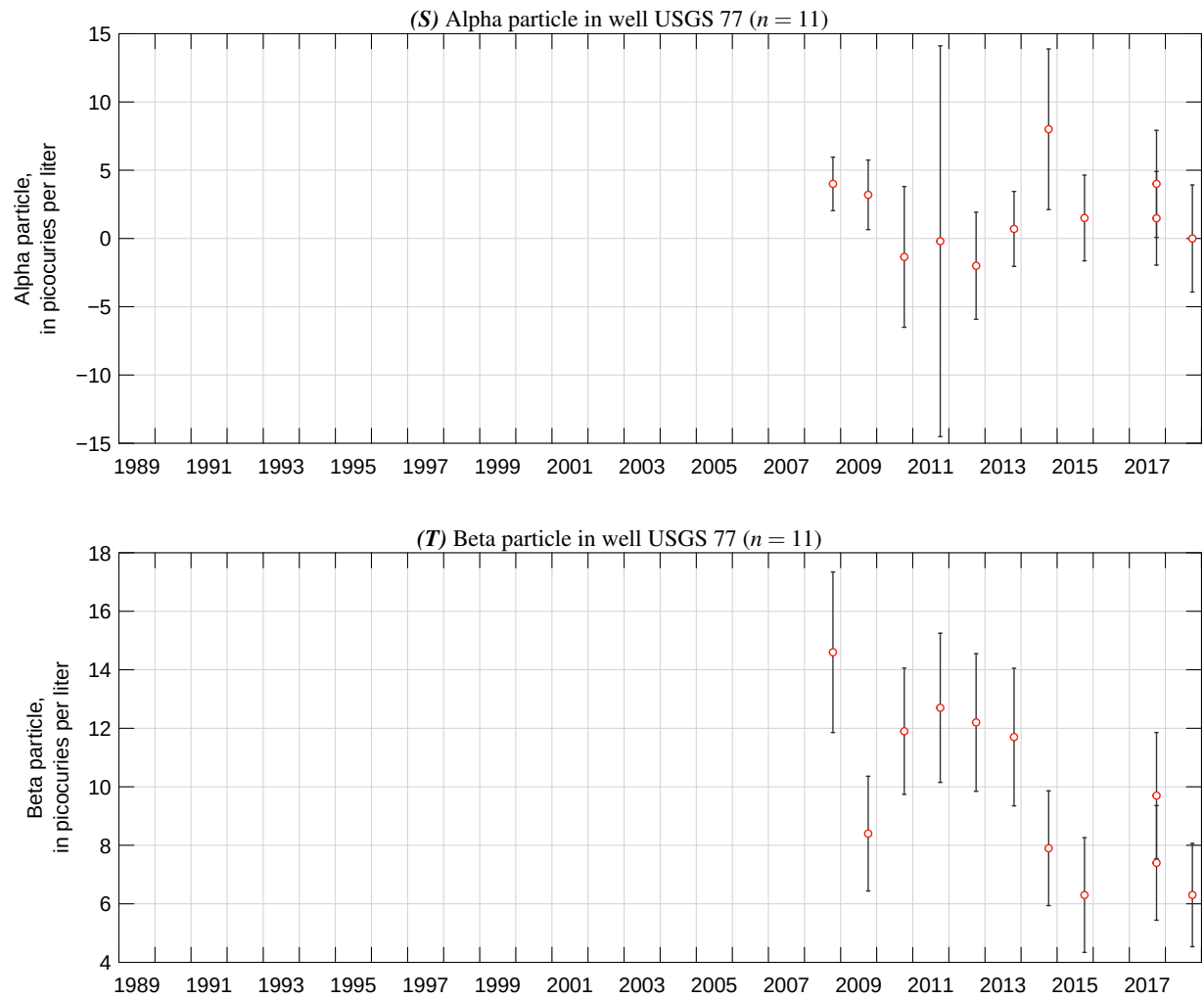


Figure 4.138. —Continued

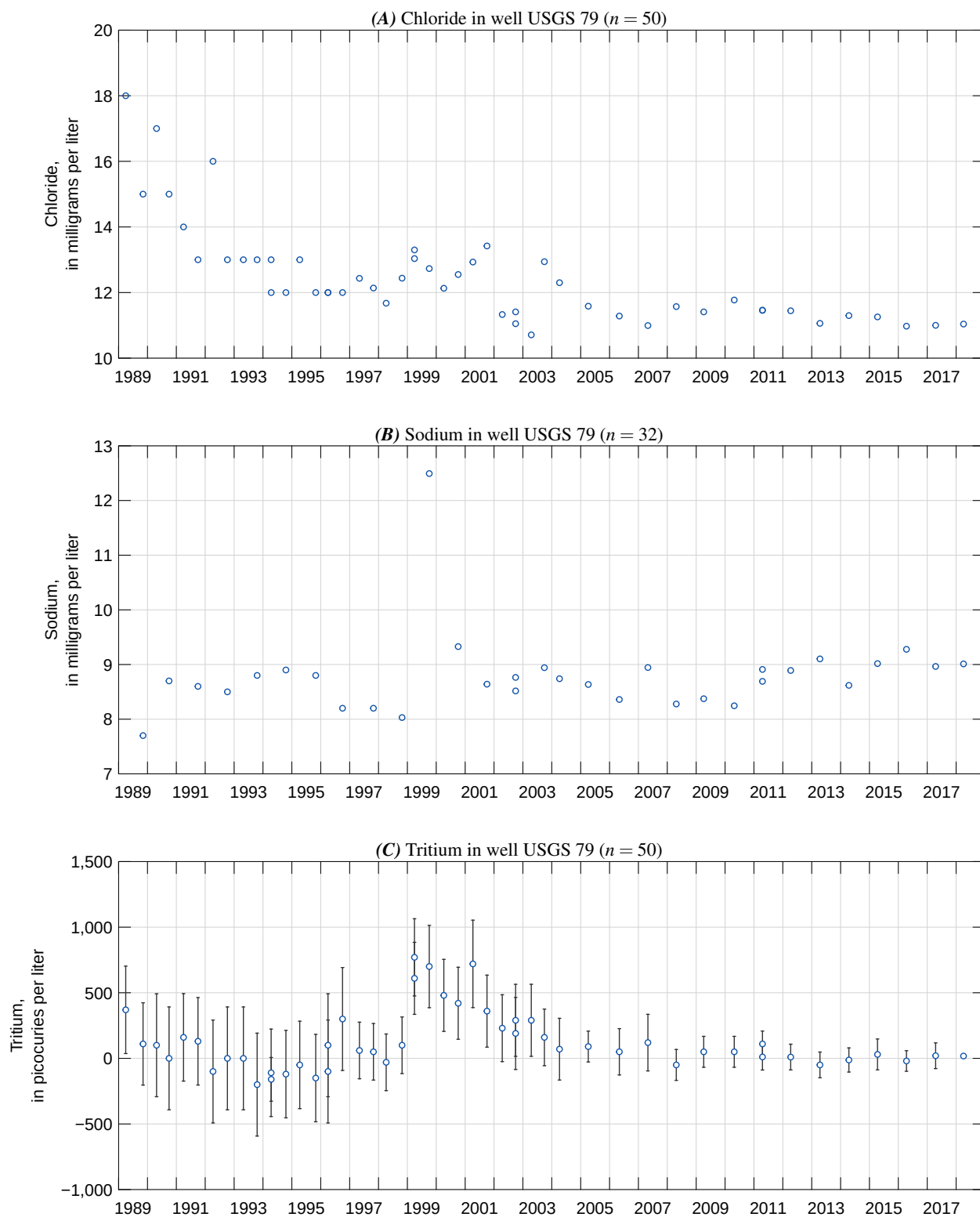


Figure 4.139. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, and (R) plutonium-238 concentrations in water collected from well USGS 79 (Site No. 433505112581901), Idaho National Laboratory, Idaho, 1989–2018.

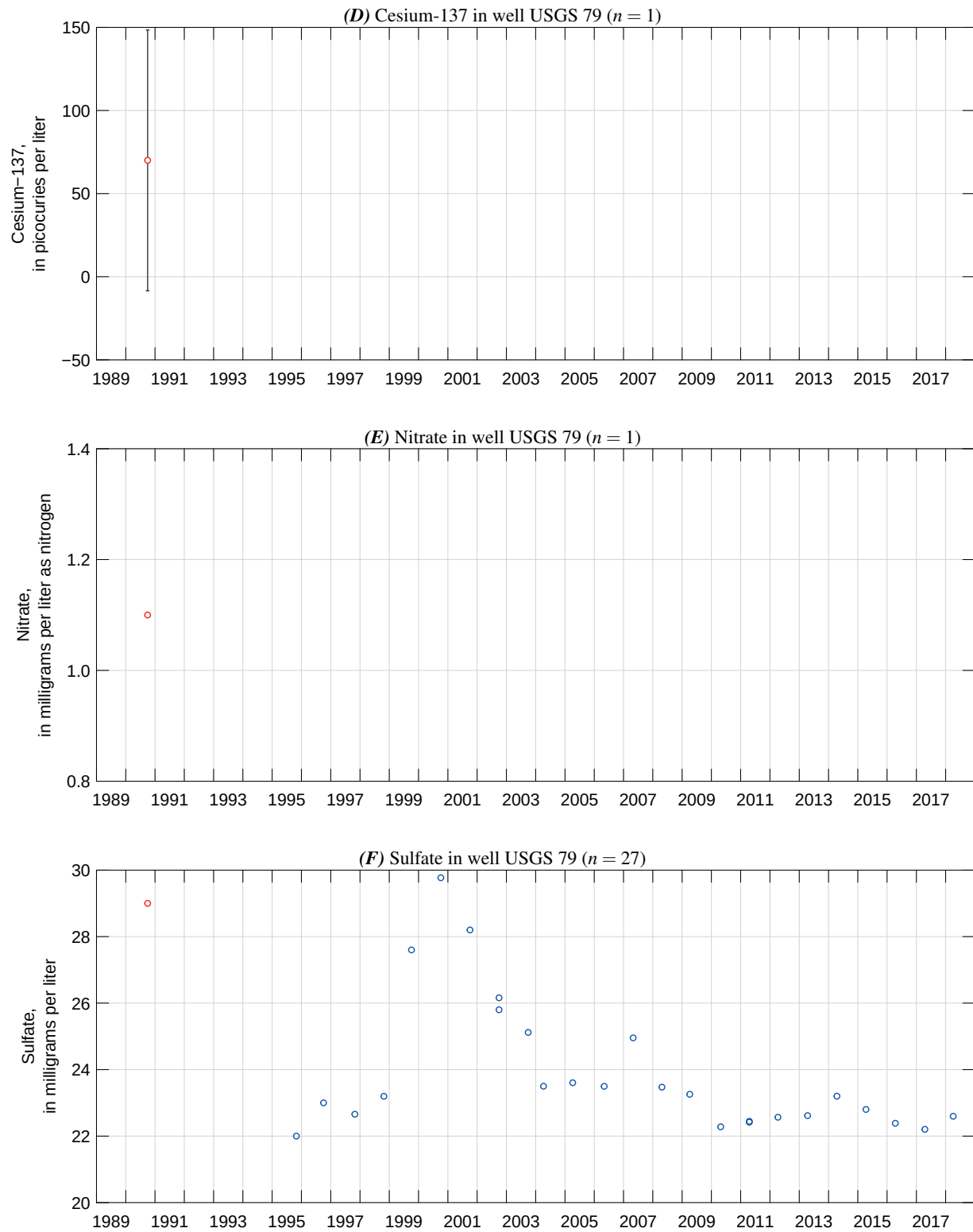


Figure 4.139. —Continued

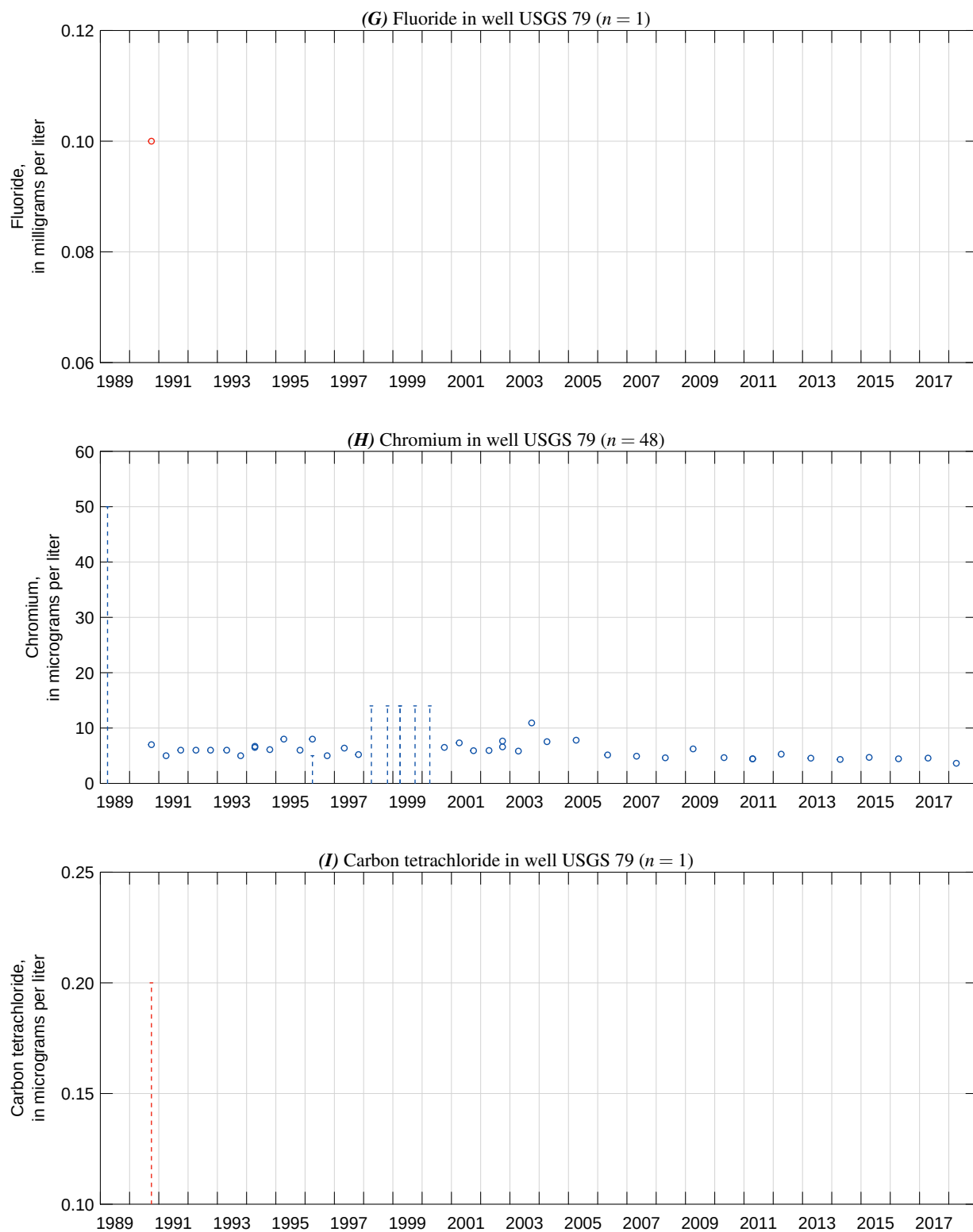


Figure 4.139. —Continued

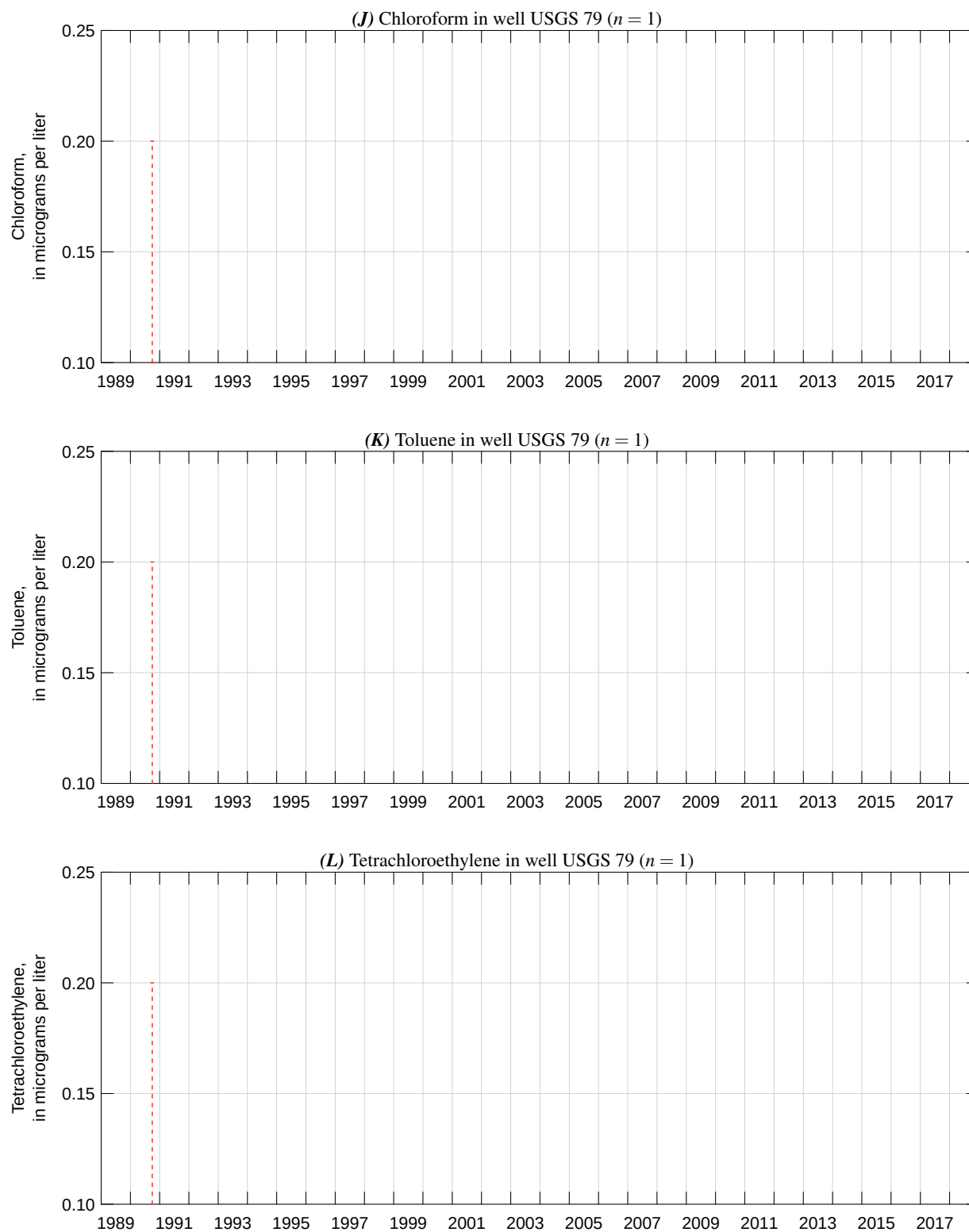


Figure 4.139. —Continued

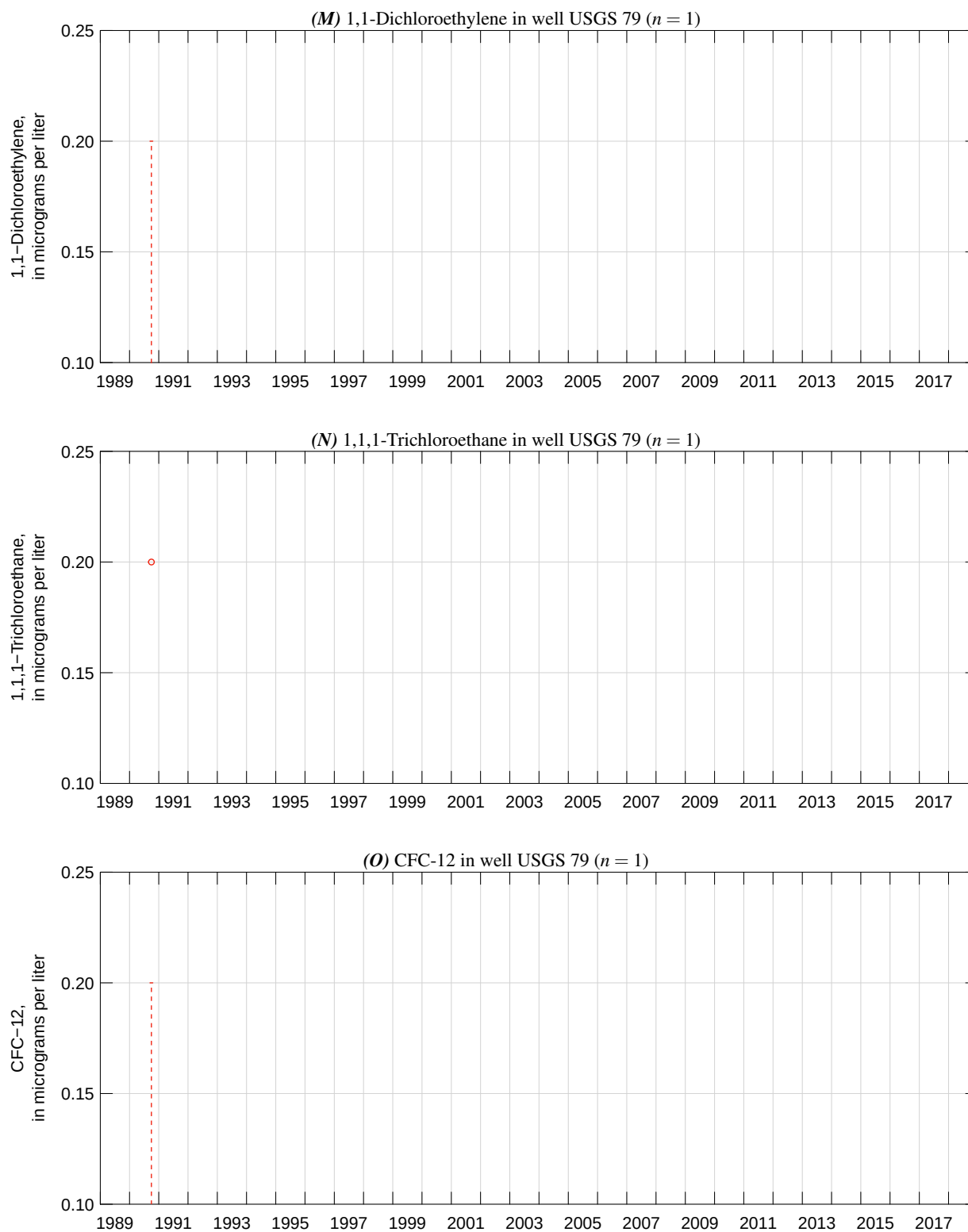


Figure 4.139. —Continued

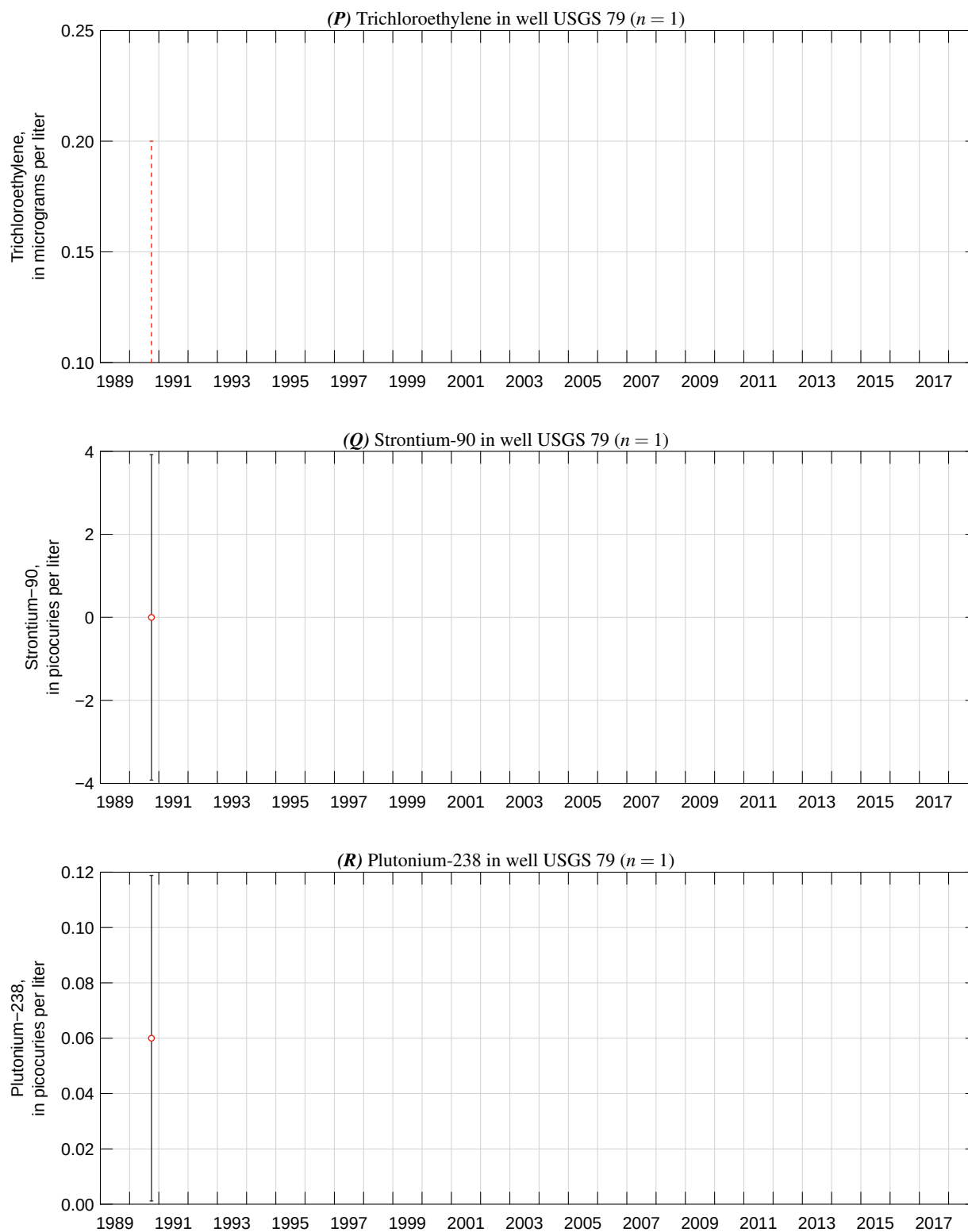


Figure 4.139. —Continued

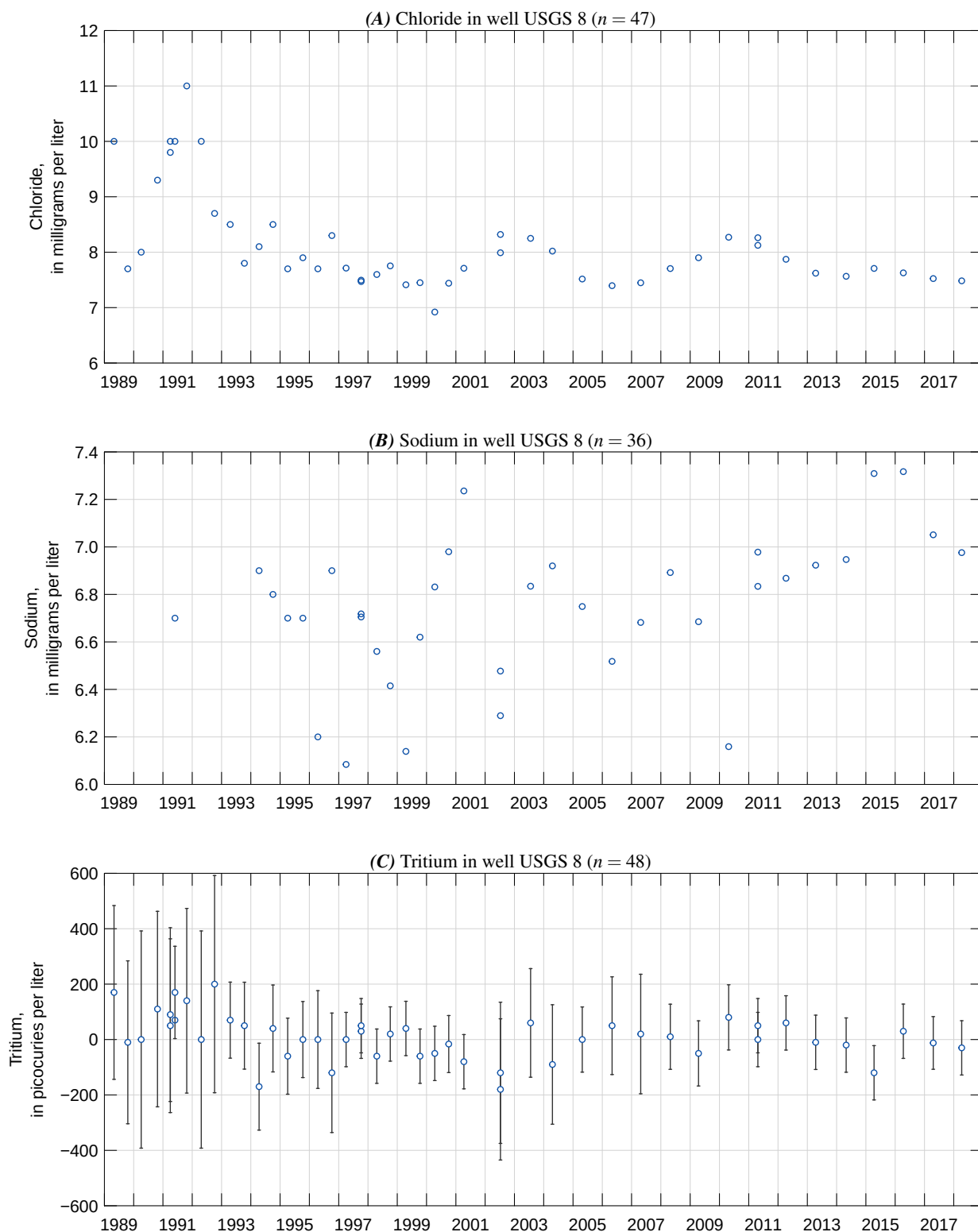


Figure 4.140. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, (R) plutonium-238, (S) alpha particle, and (T) beta particle concentrations in water collected from well USGS 8 (Site No. 433121113115801), Idaho National Laboratory, Idaho, 1989–2018.

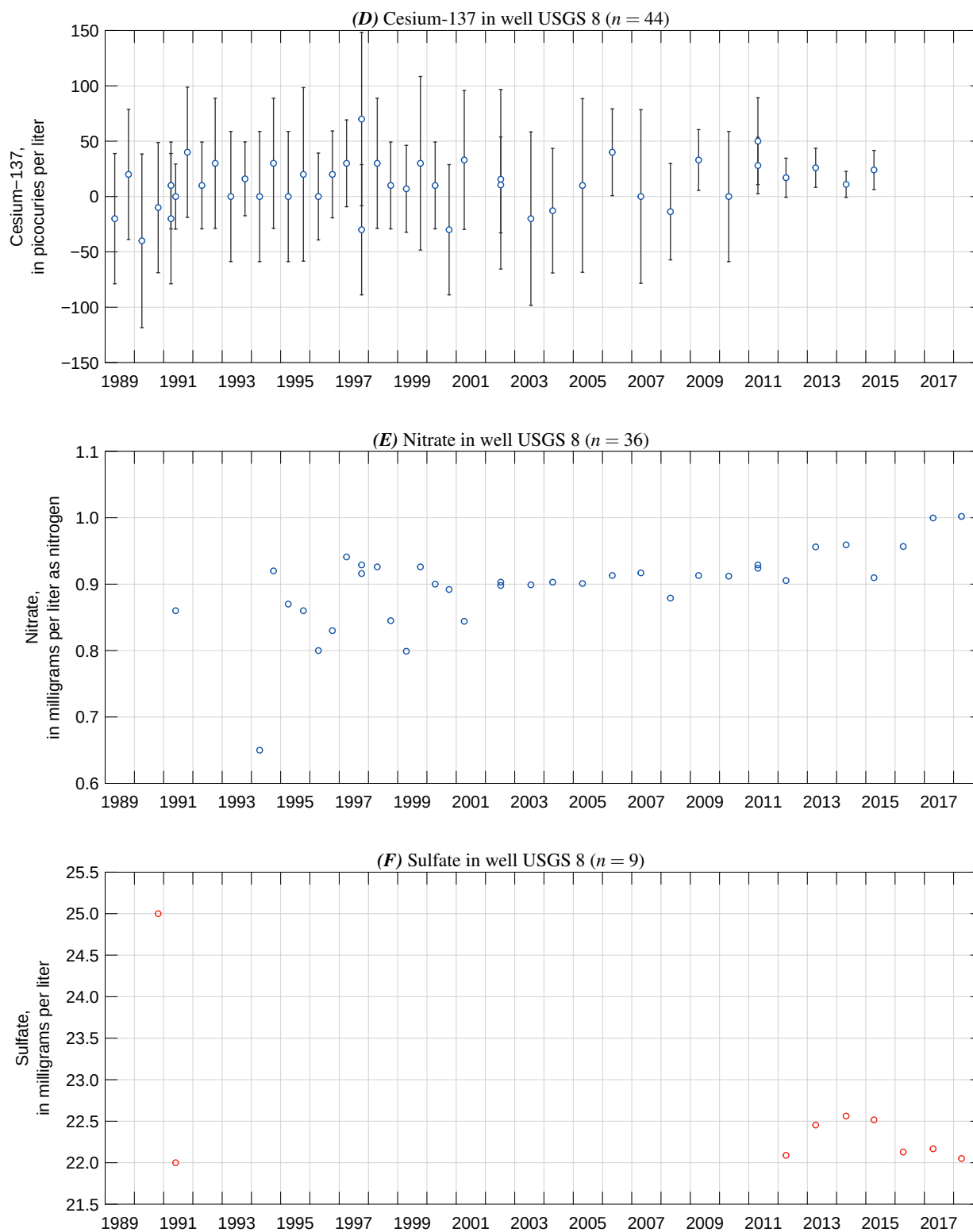


Figure 4.140. —Continued

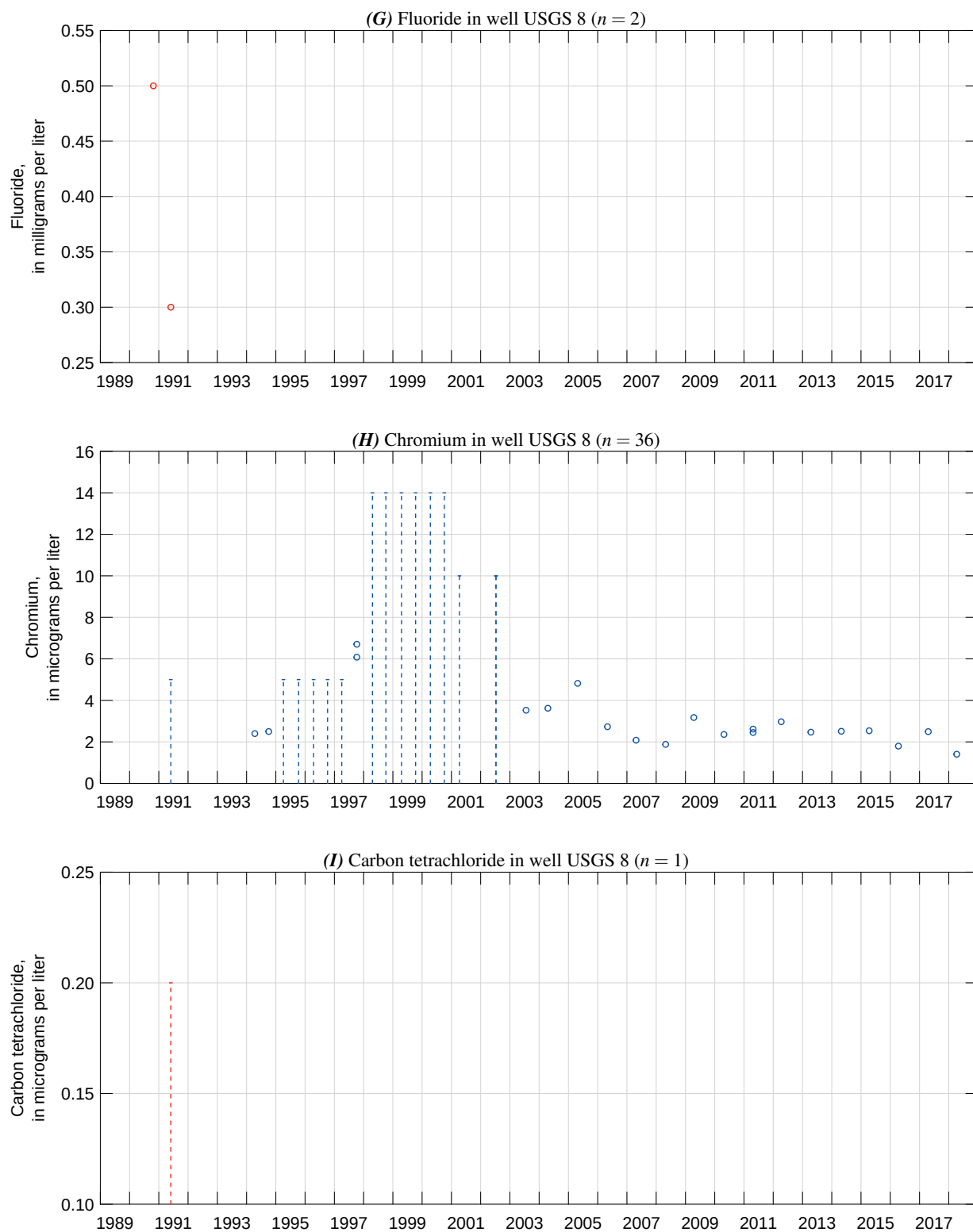


Figure 4.140. —Continued

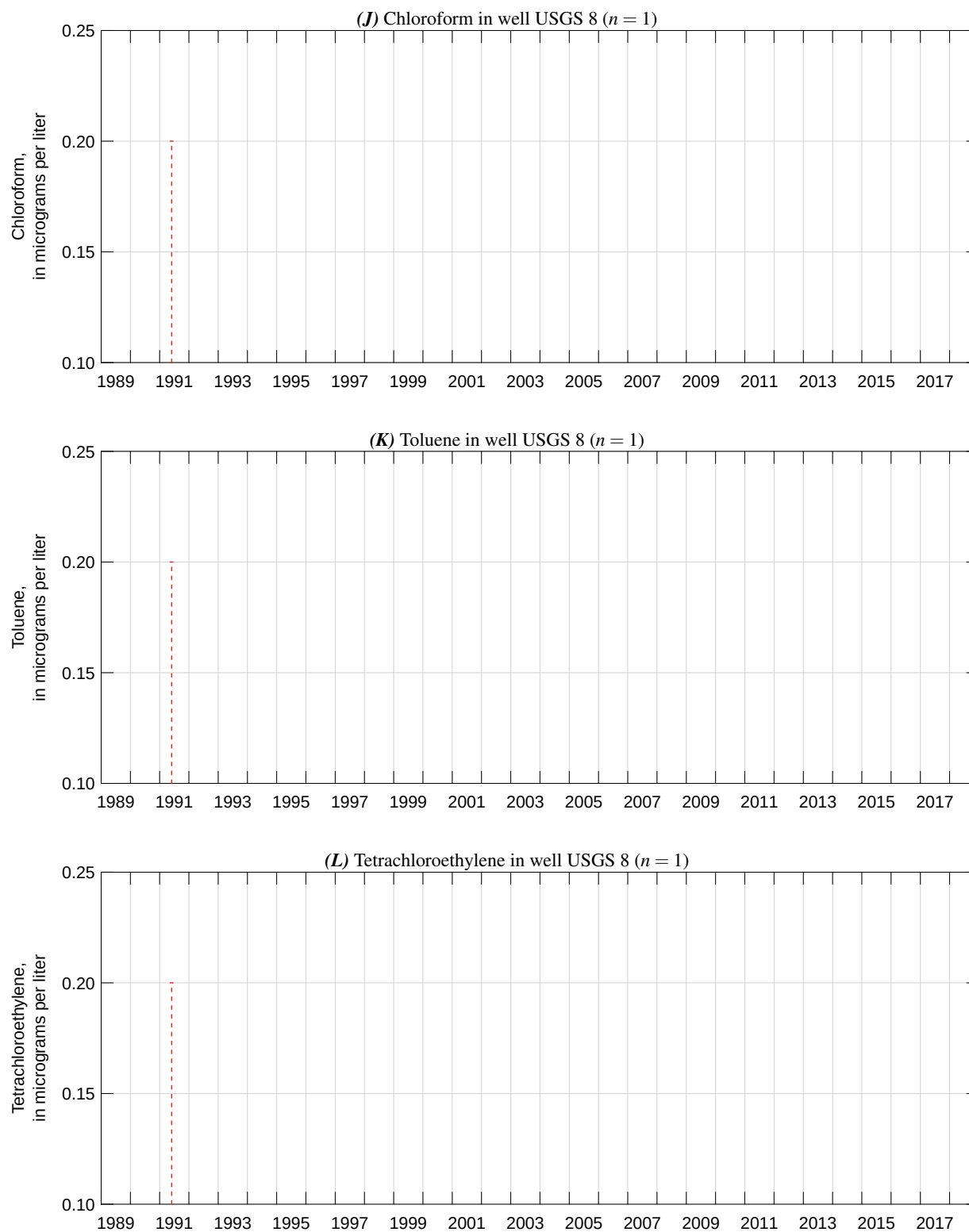


Figure 4.140. —Continued

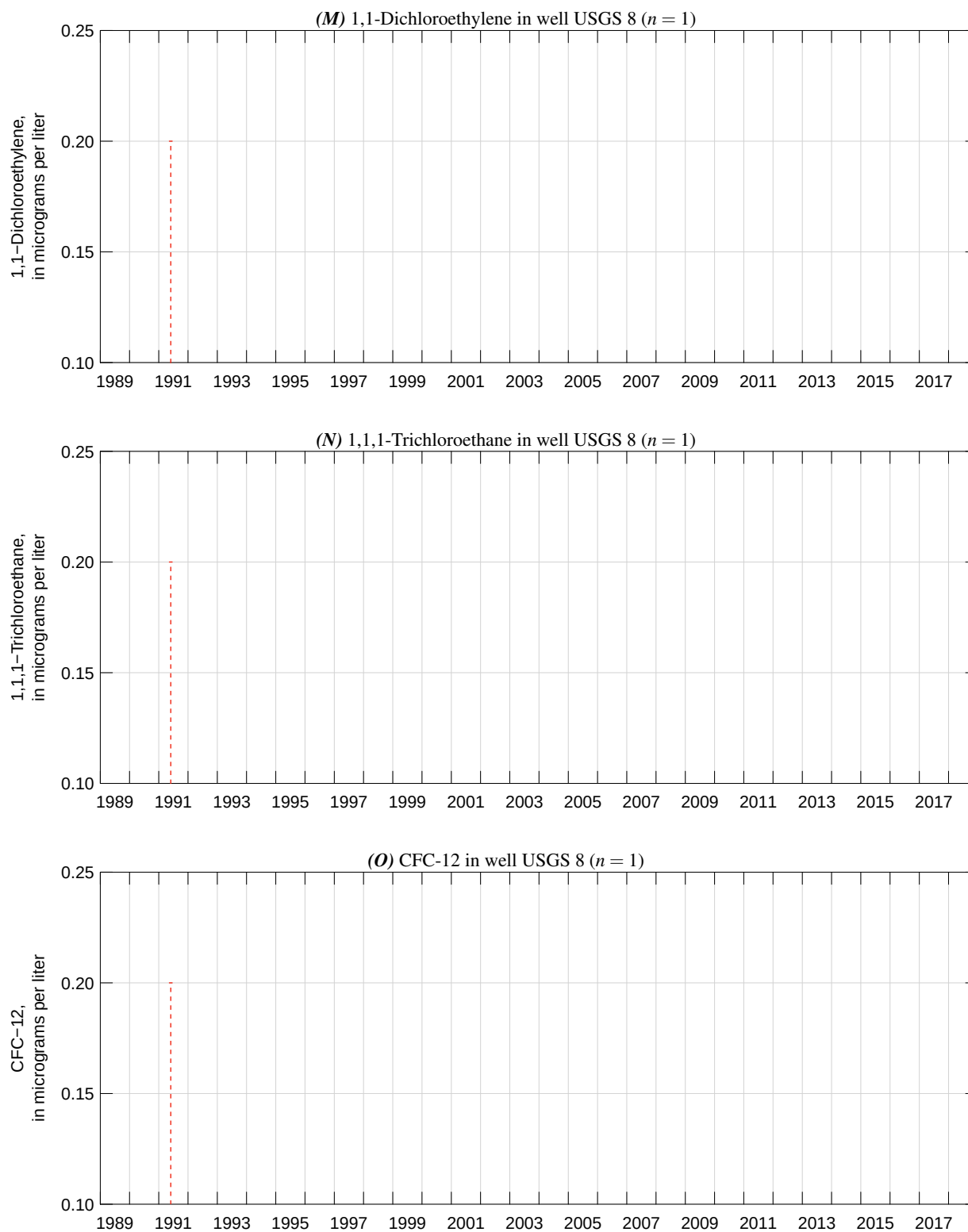


Figure 4.140. —Continued

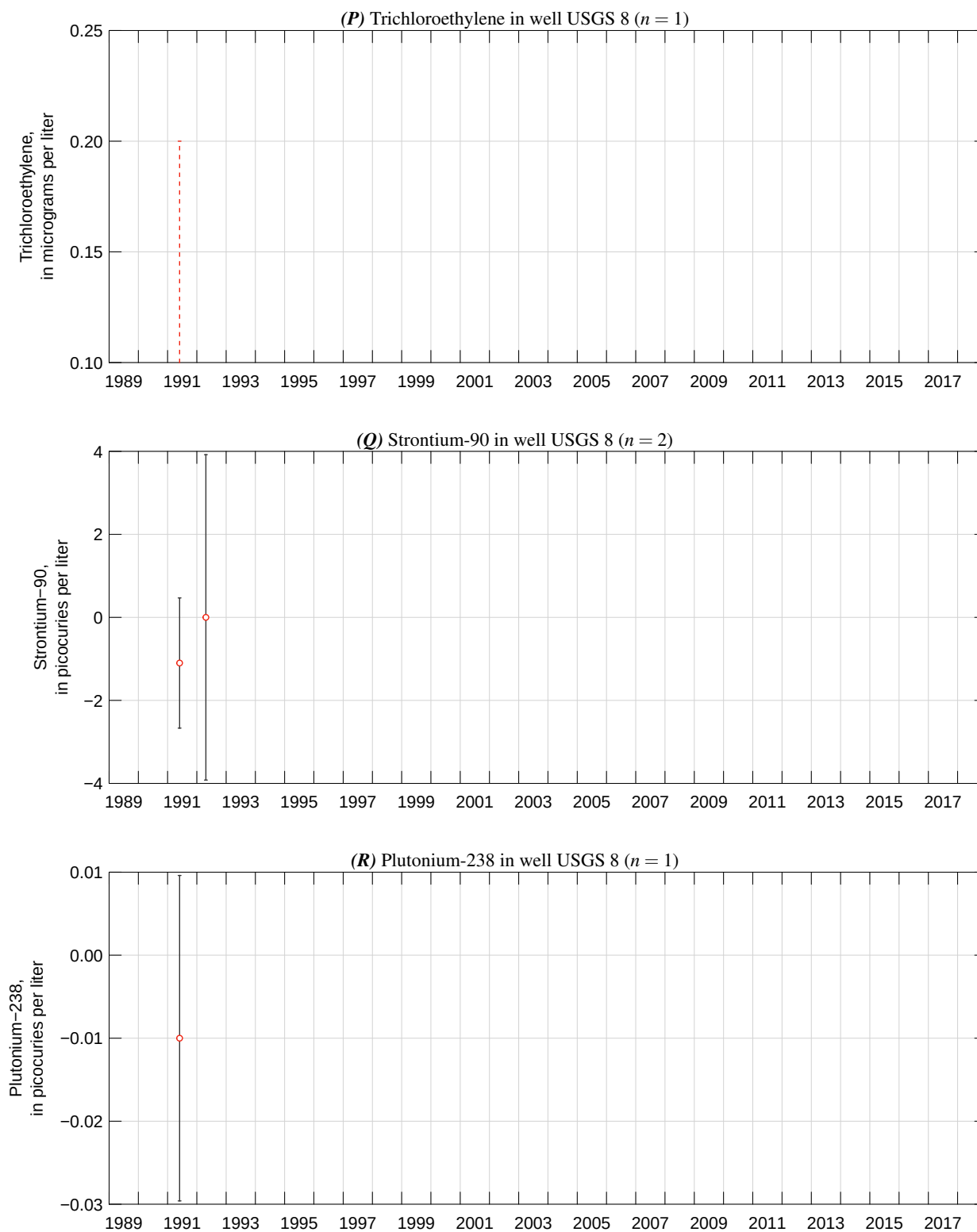


Figure 4.140. —Continued

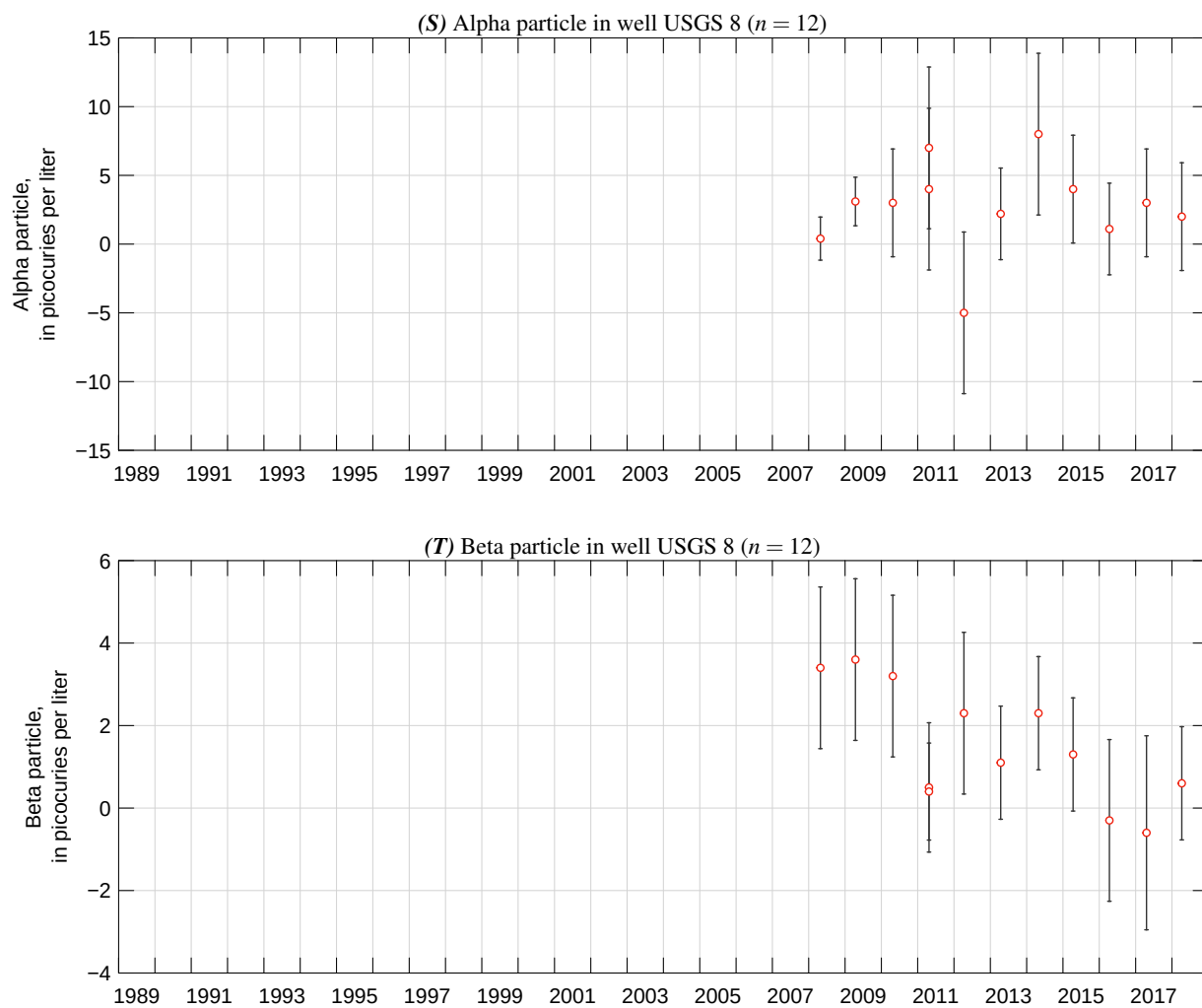


Figure 4.140. —Continued

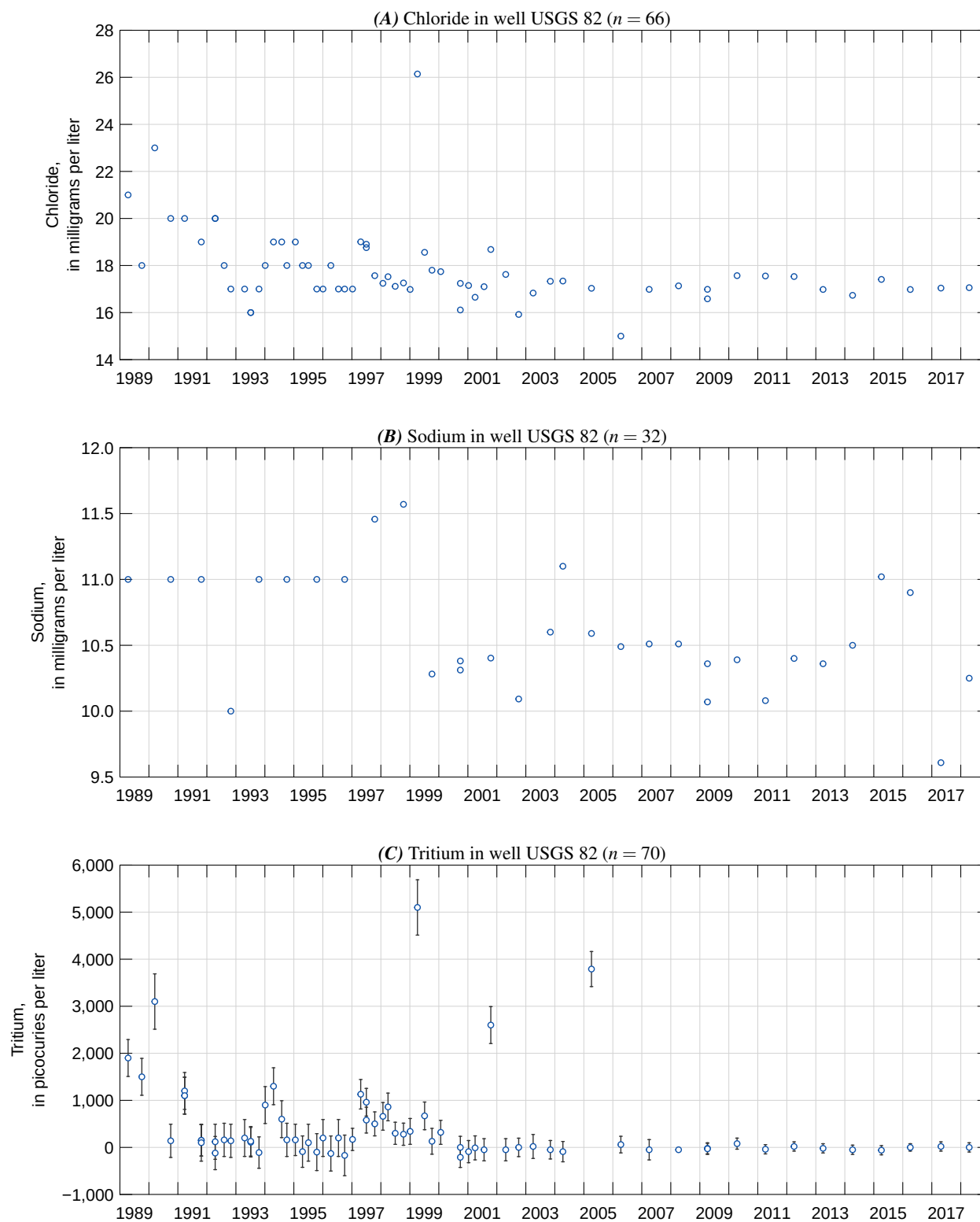


Figure 4.141. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) nitrate, (E) sulfate, (F) fluoride, (G) carbon tetrachloride, (H) chloroform, (I) toluene, (J) tetrachloroethylene, (K) 1,1-dichloroethylene, (L) 1,1,1-trichloroethane, (M) trichloroethylene, and (N) strontium-90 concentrations in water collected from well USGS 82 (Site No. 433401112551001), Idaho National Laboratory, Idaho, 1989–2018.

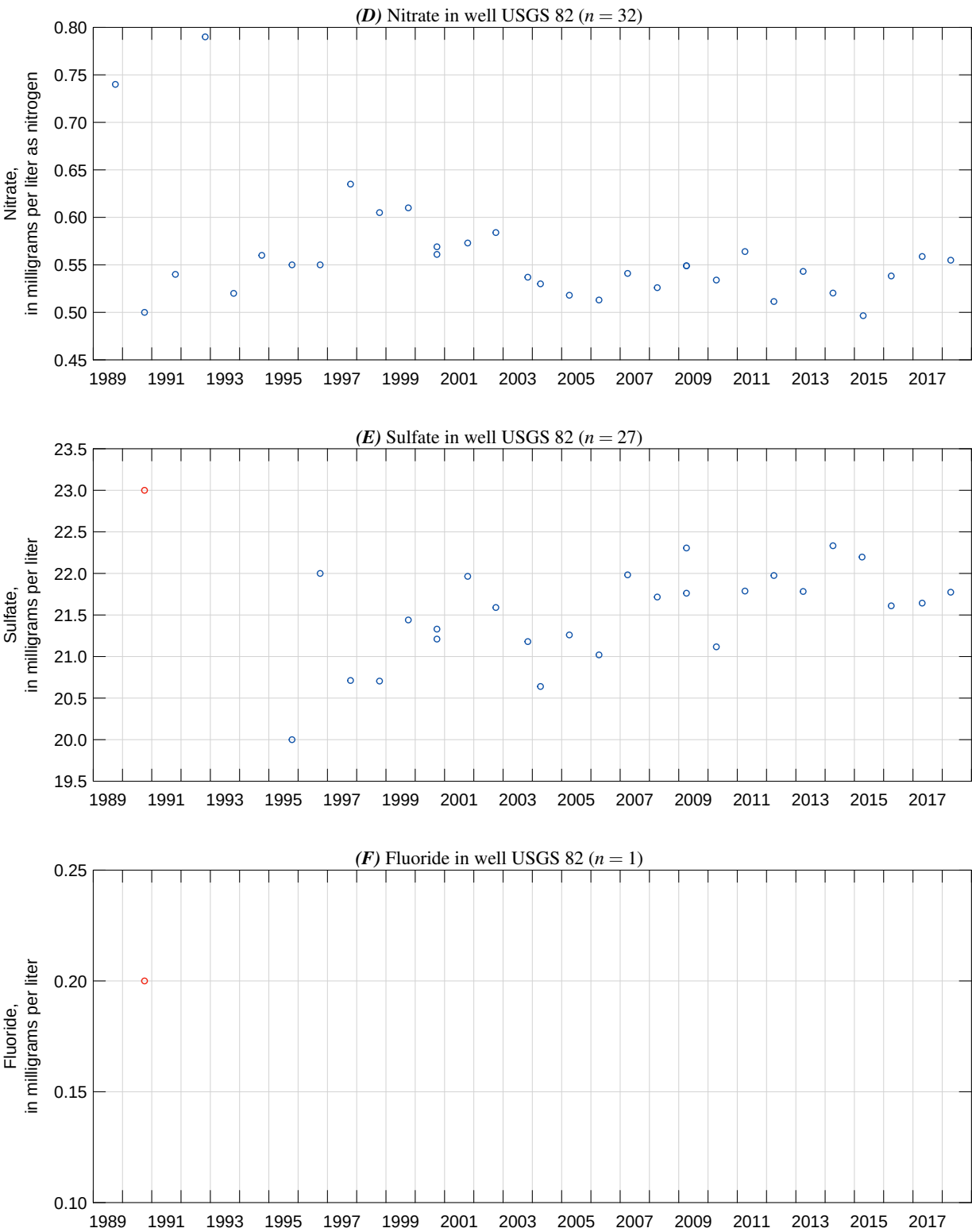
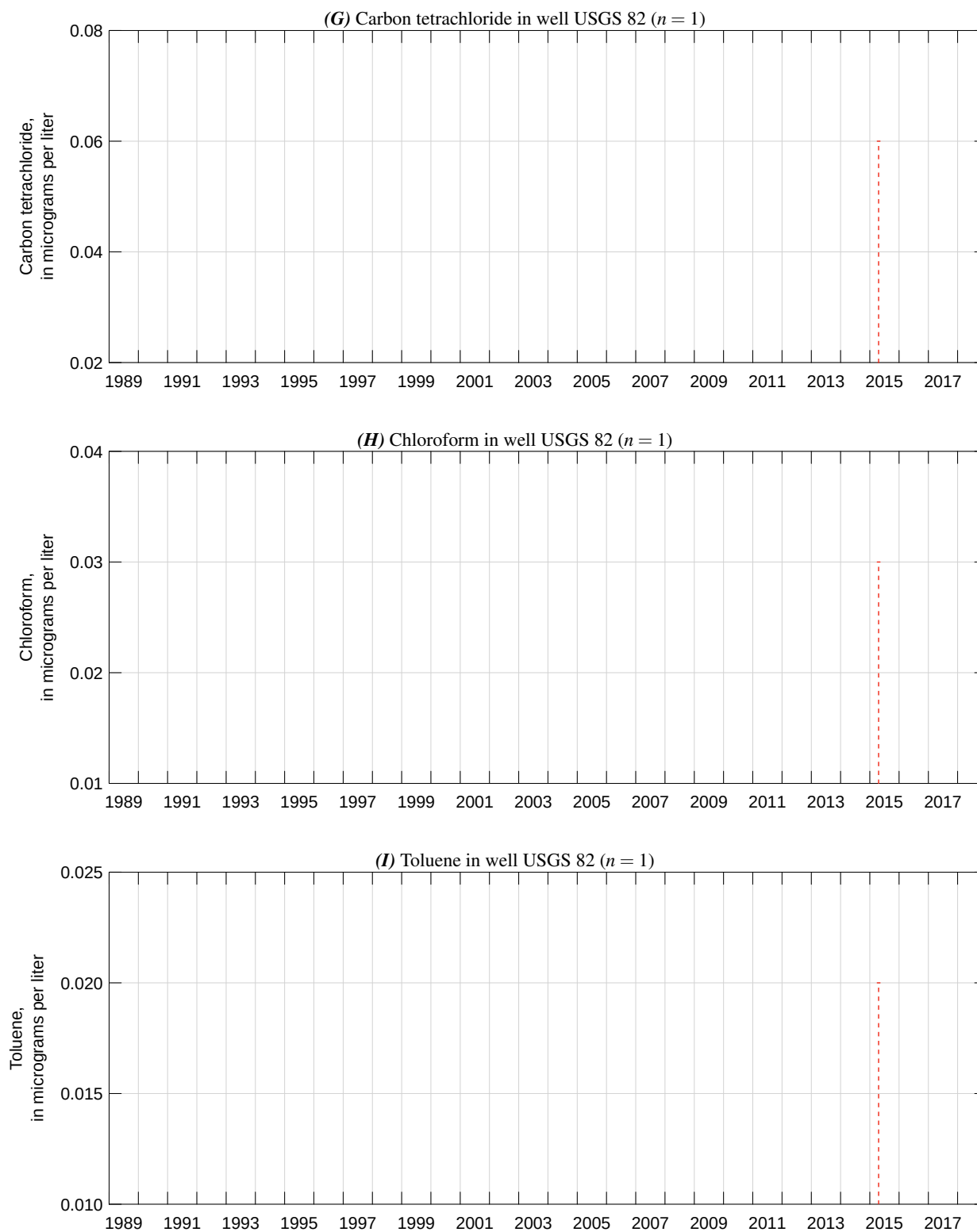


Figure 4.141. —Continued



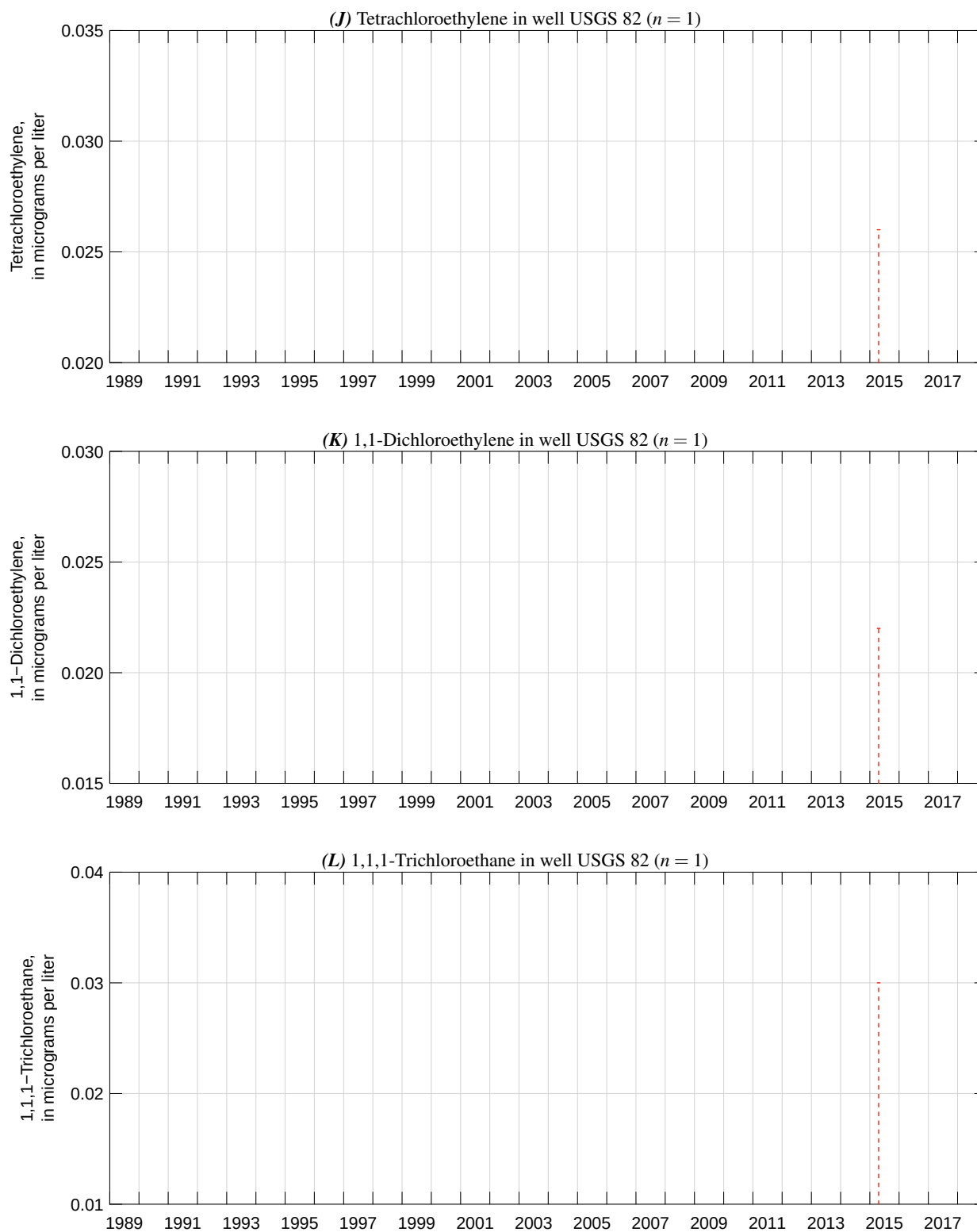


Figure 4.141. —Continued

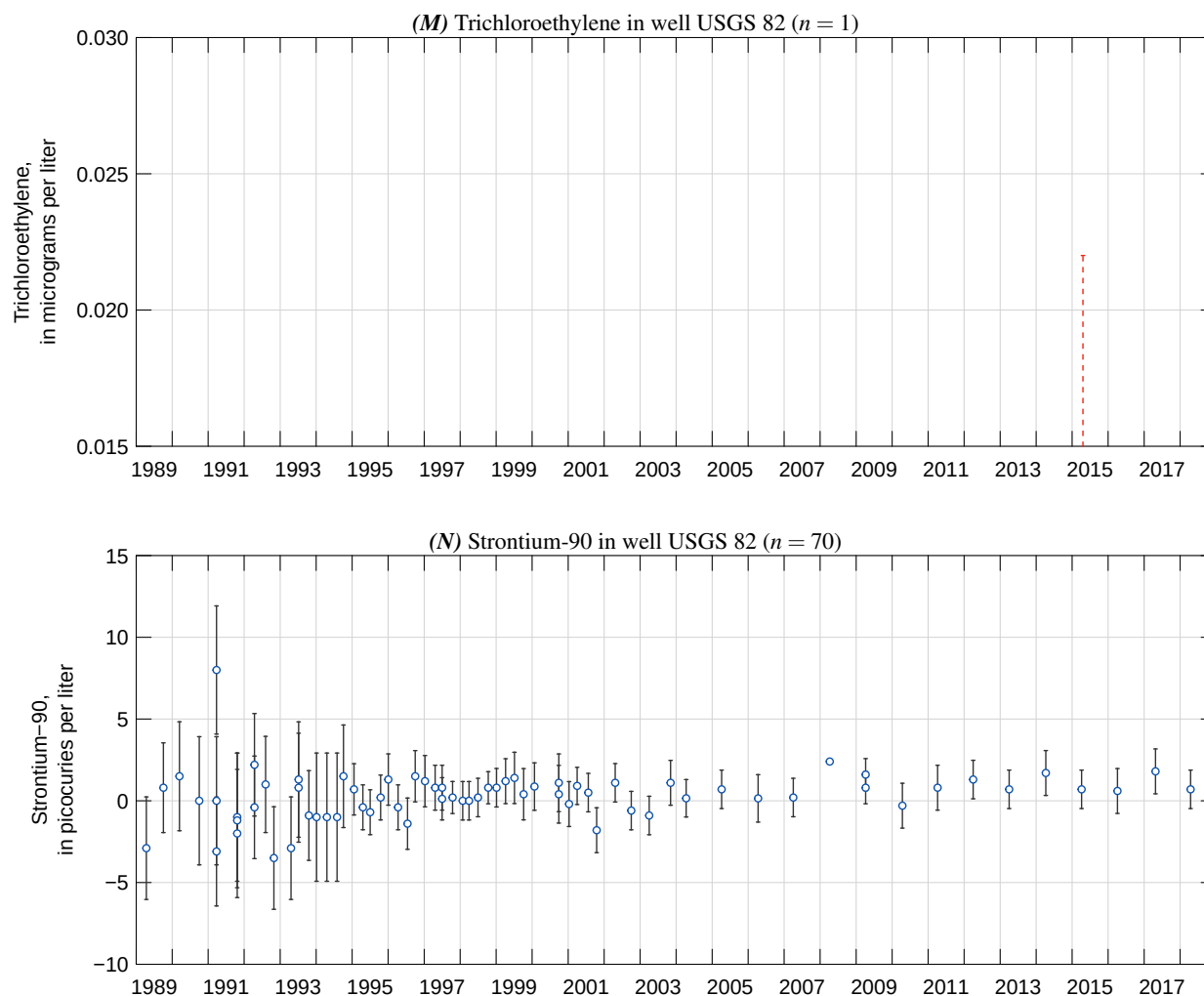


Figure 4.141. —Continued

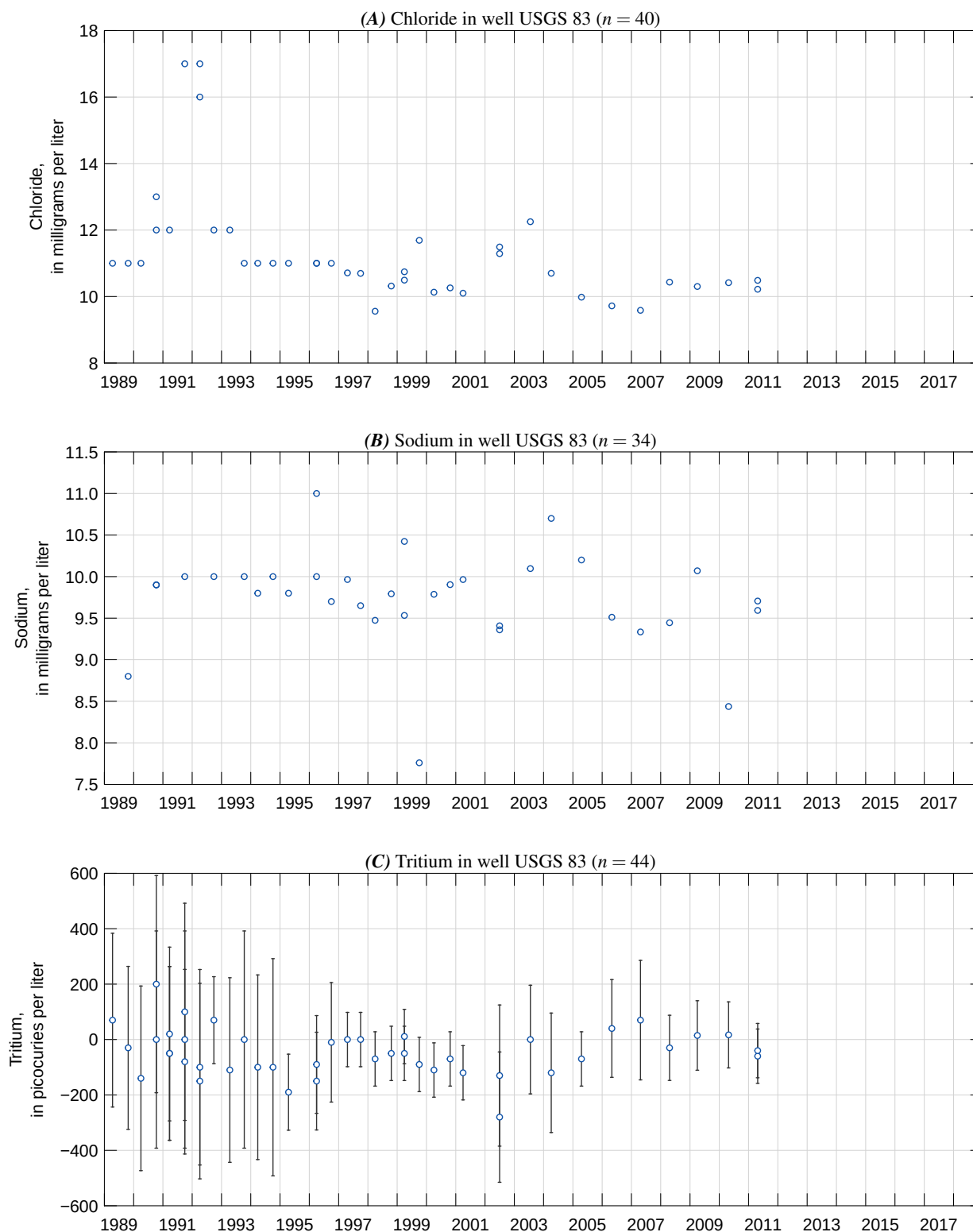


Figure 4.142. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, (R) alpha particle, and (S) beta particle concentrations in water collected from well USGS 83 (Site No. 433023112561501), Idaho National Laboratory, Idaho, 1989–2018.

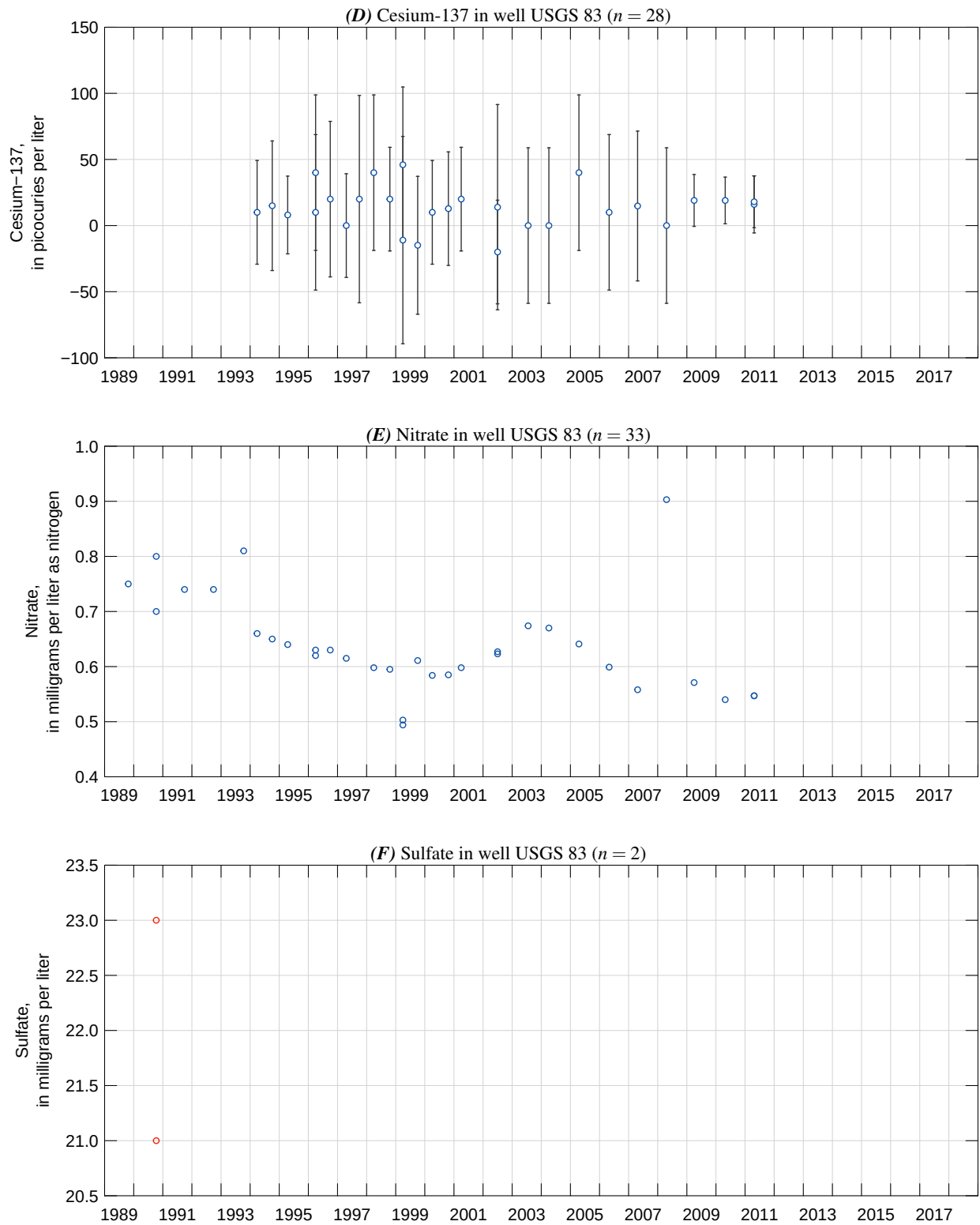


Figure 4.142. —Continued

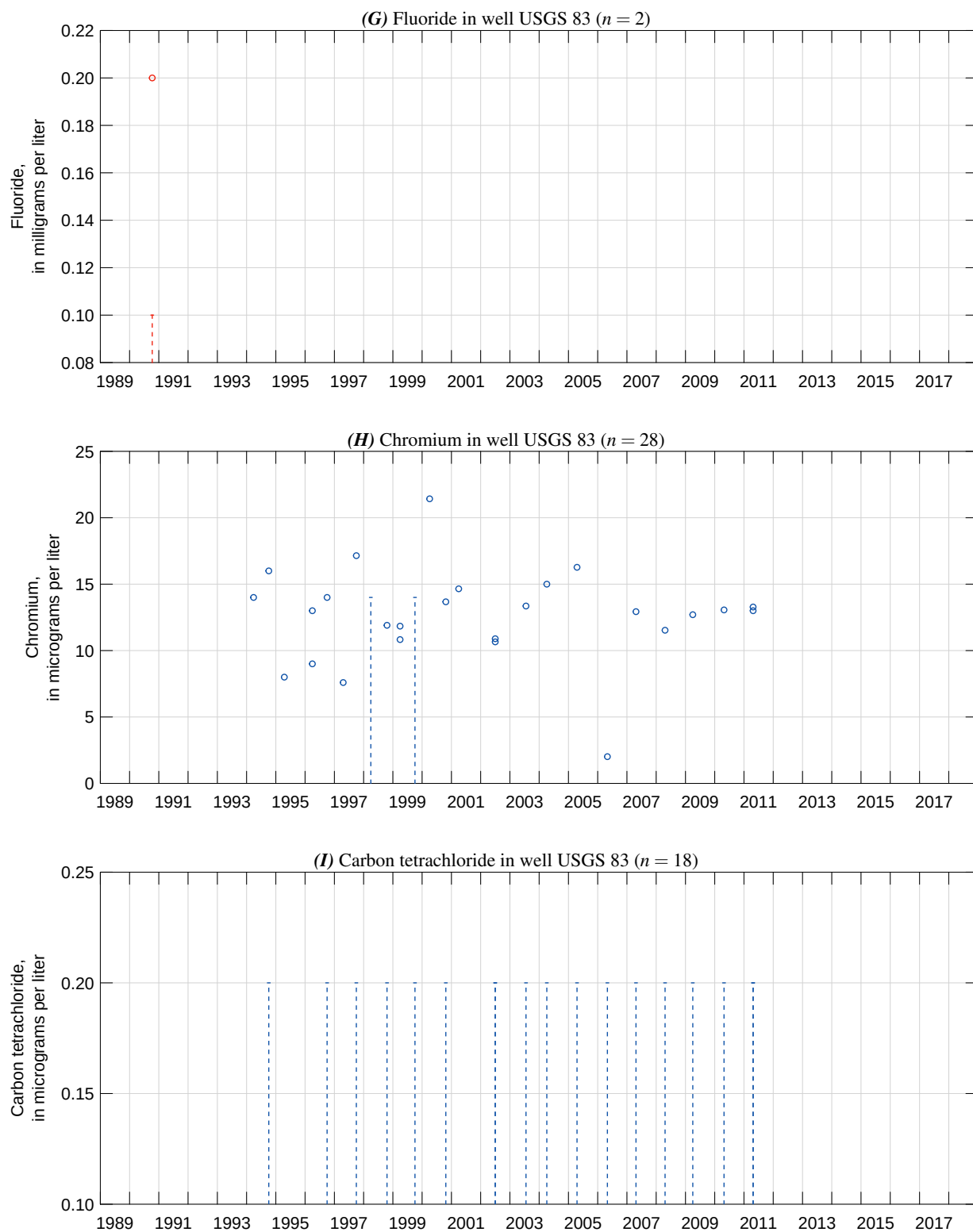


Figure 4.142. —Continued

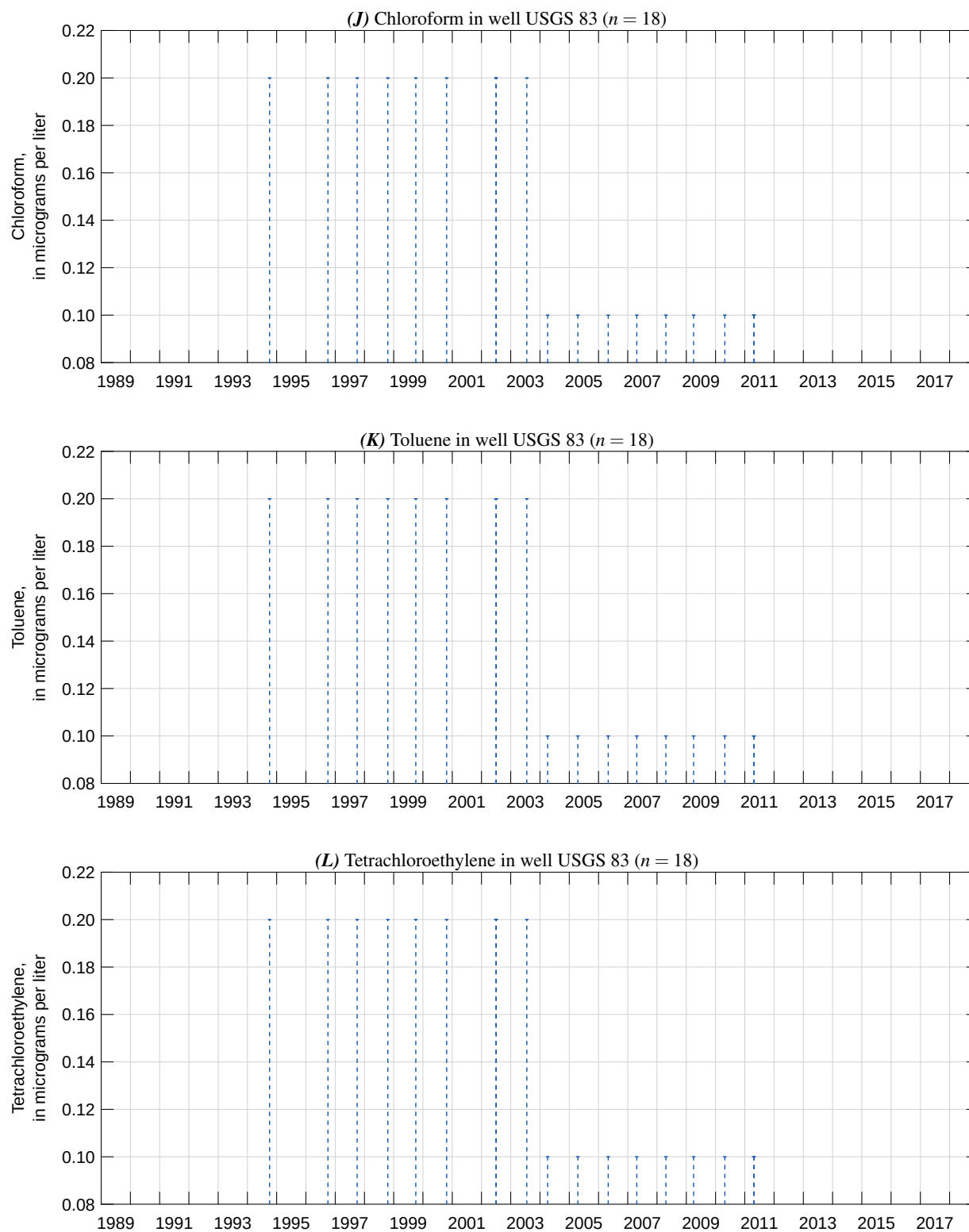


Figure 4.142. —Continued

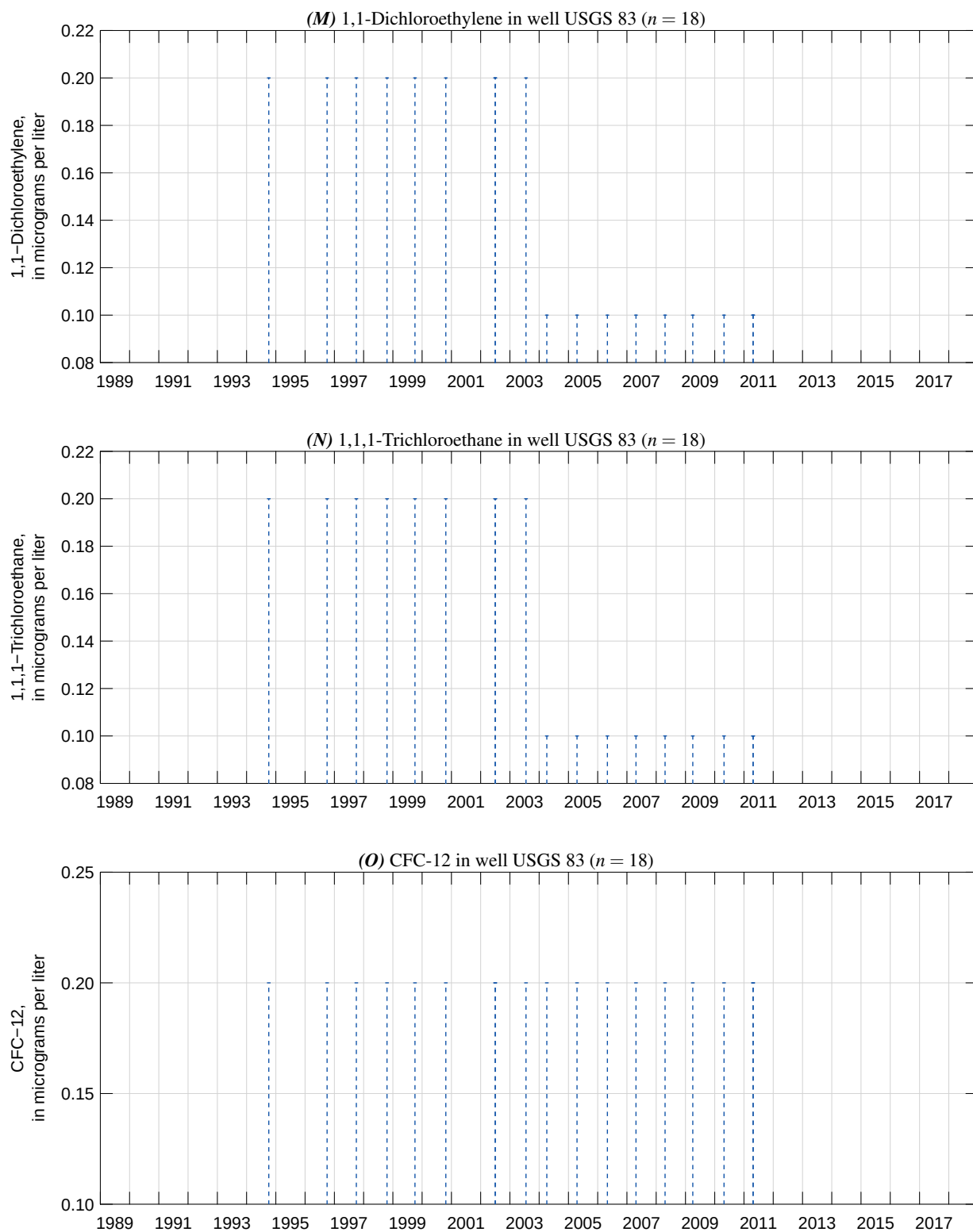


Figure 4.142. —Continued

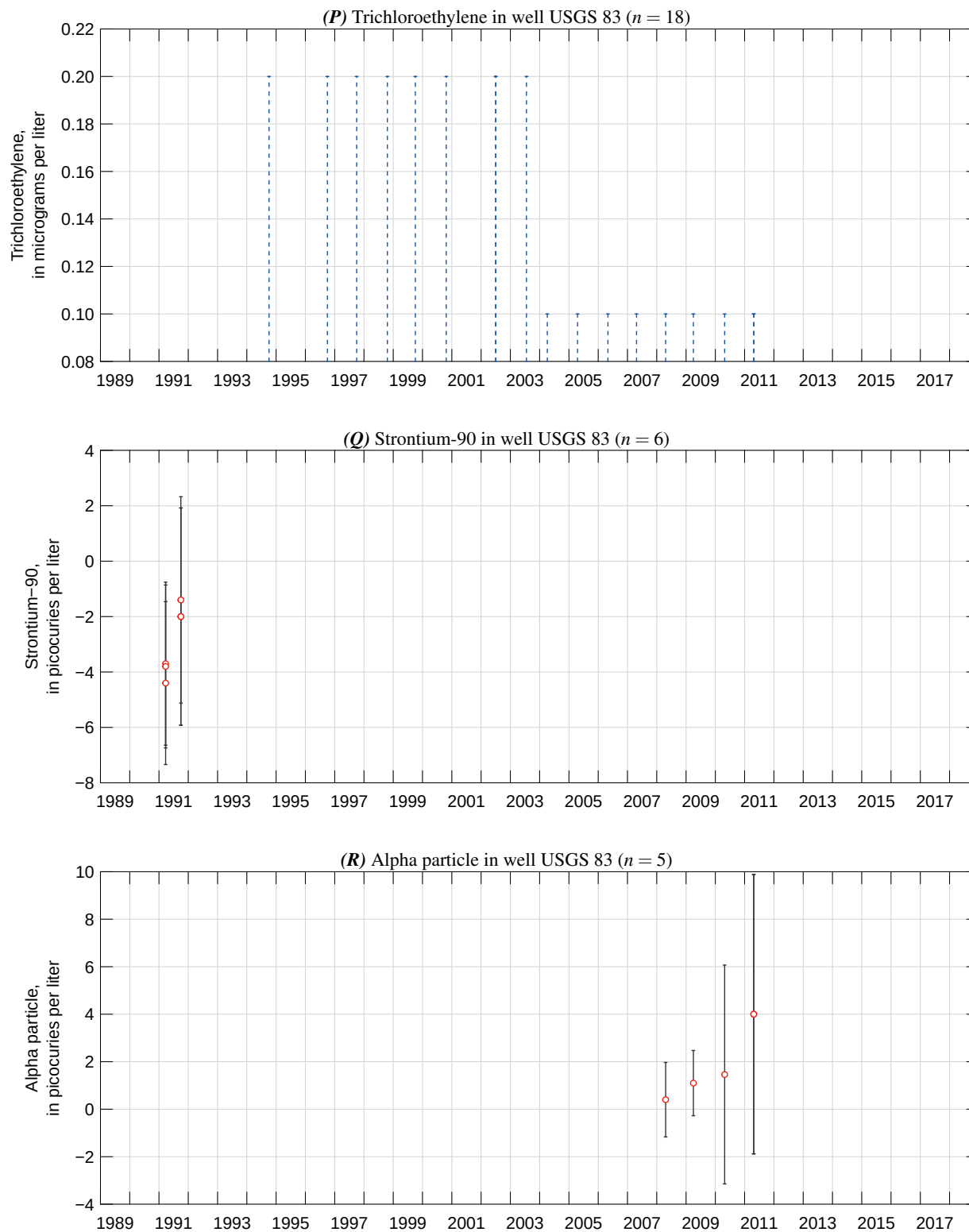
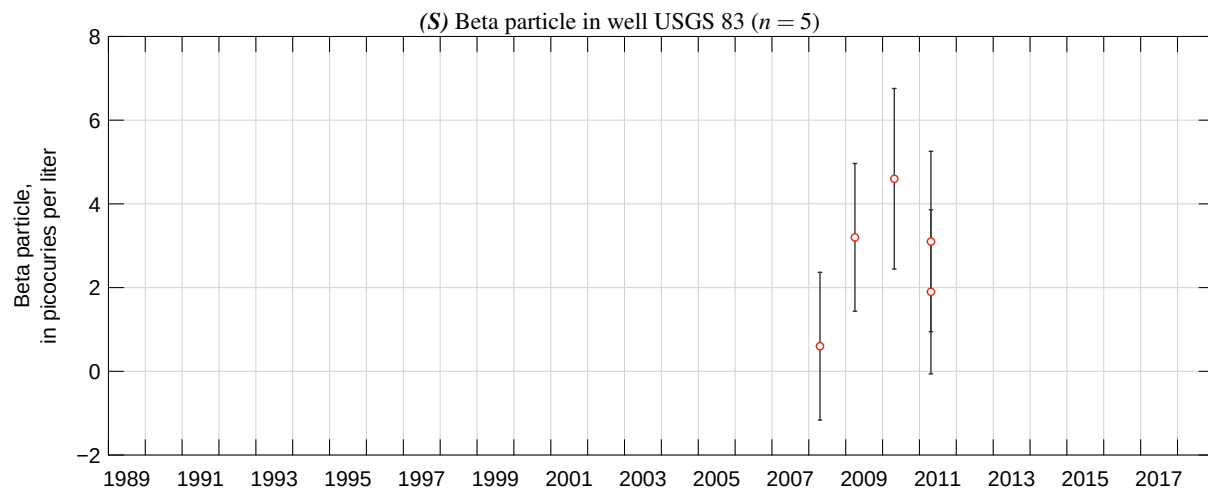


Figure 4.142. —Continued

**Figure 4.142.** —Continued

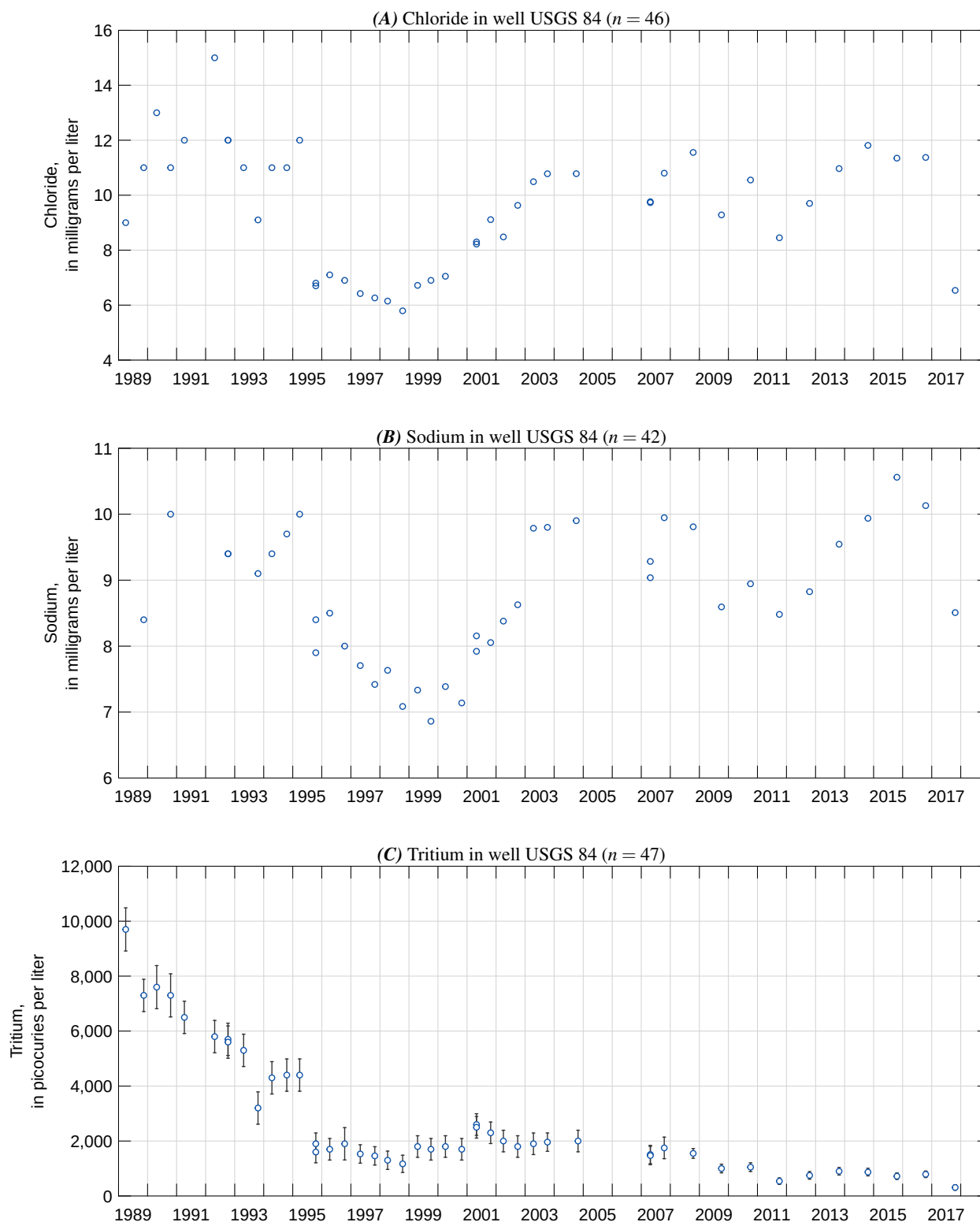


Figure 4.143. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, (R) plutonium-238, (S) alpha particle, and (T) beta particle concentrations in water collected from well USGS 84 (Site No. 433356112574201), Idaho National Laboratory, Idaho, 1989–2018.

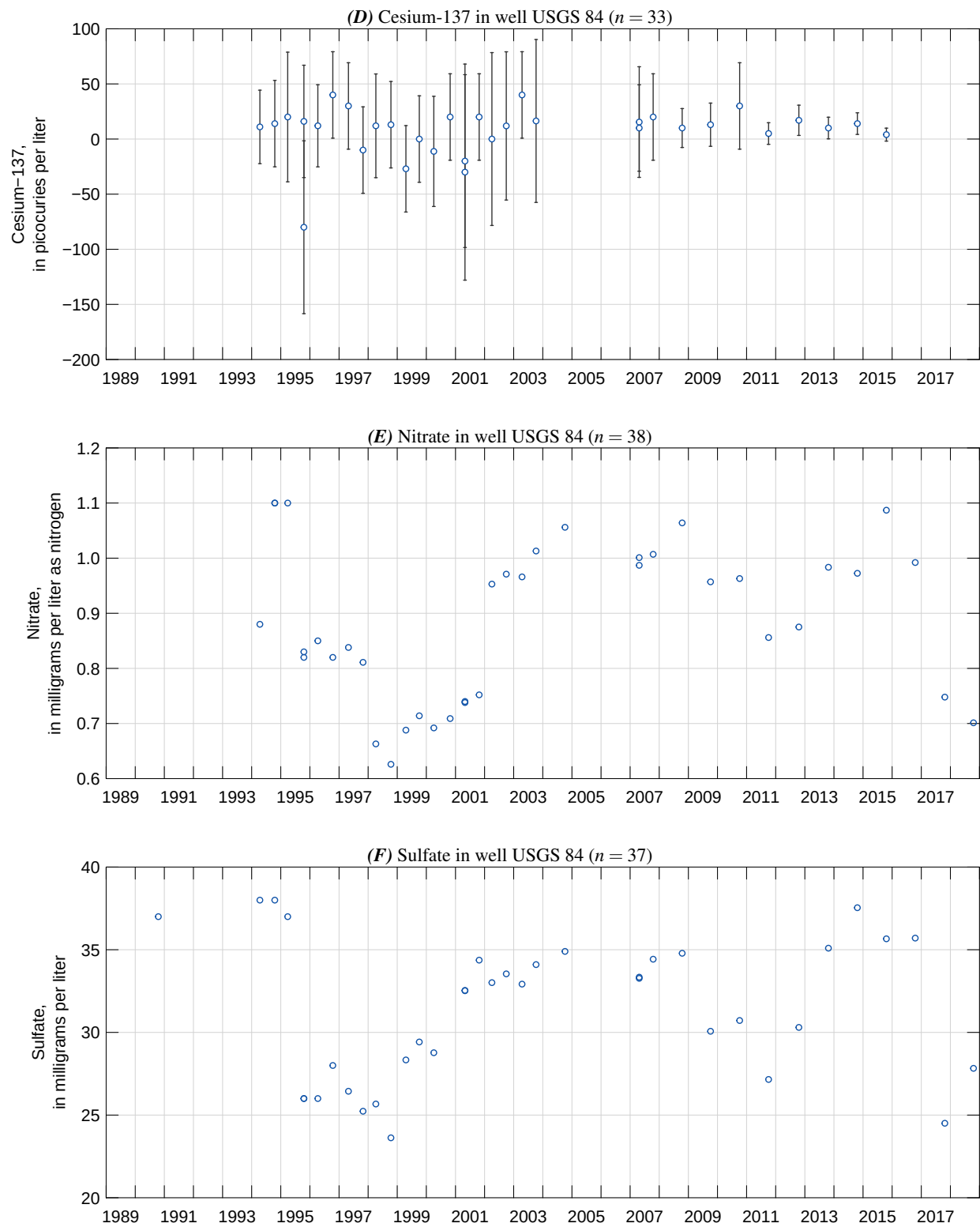


Figure 4.143. —Continued

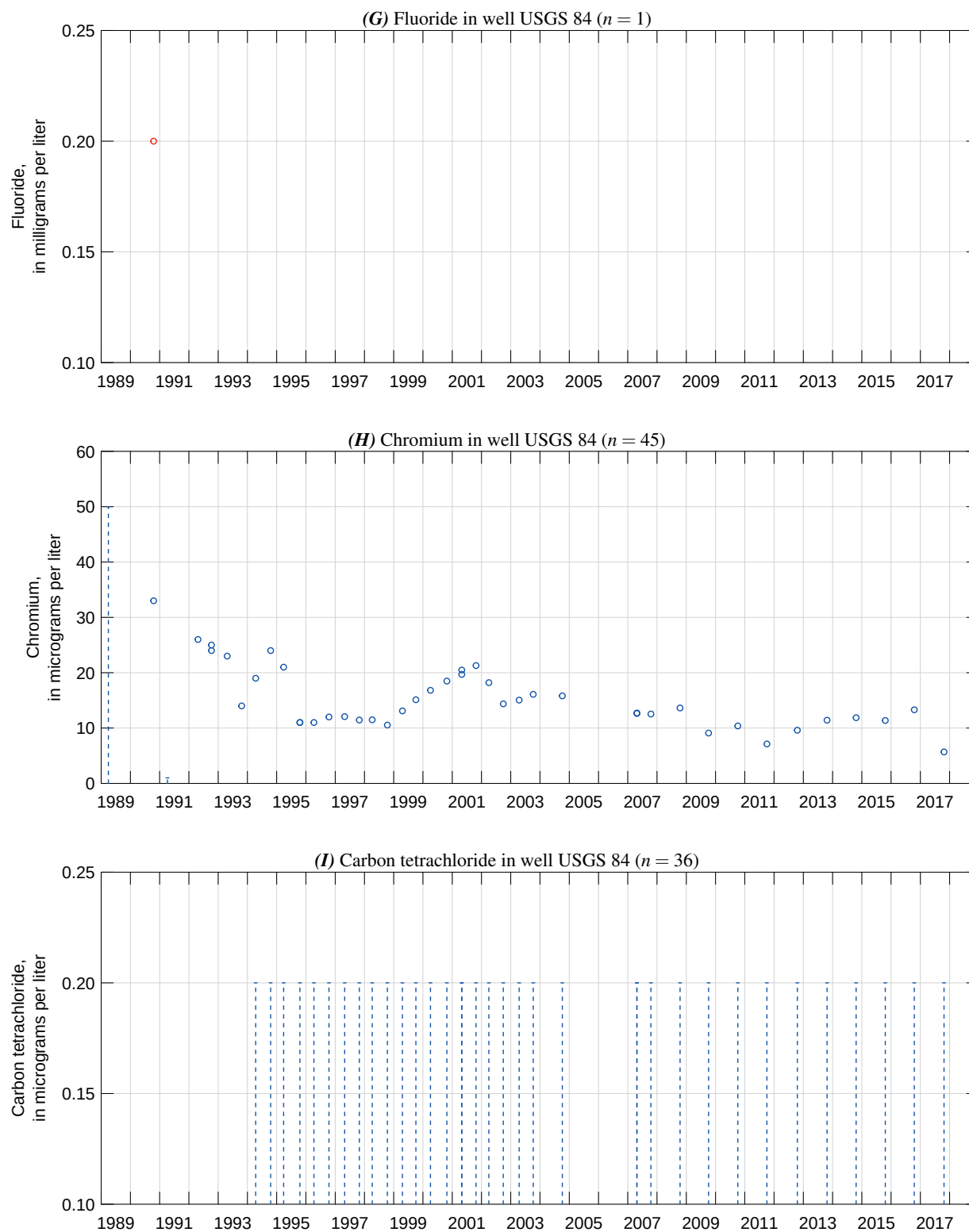


Figure 4.143. —Continued

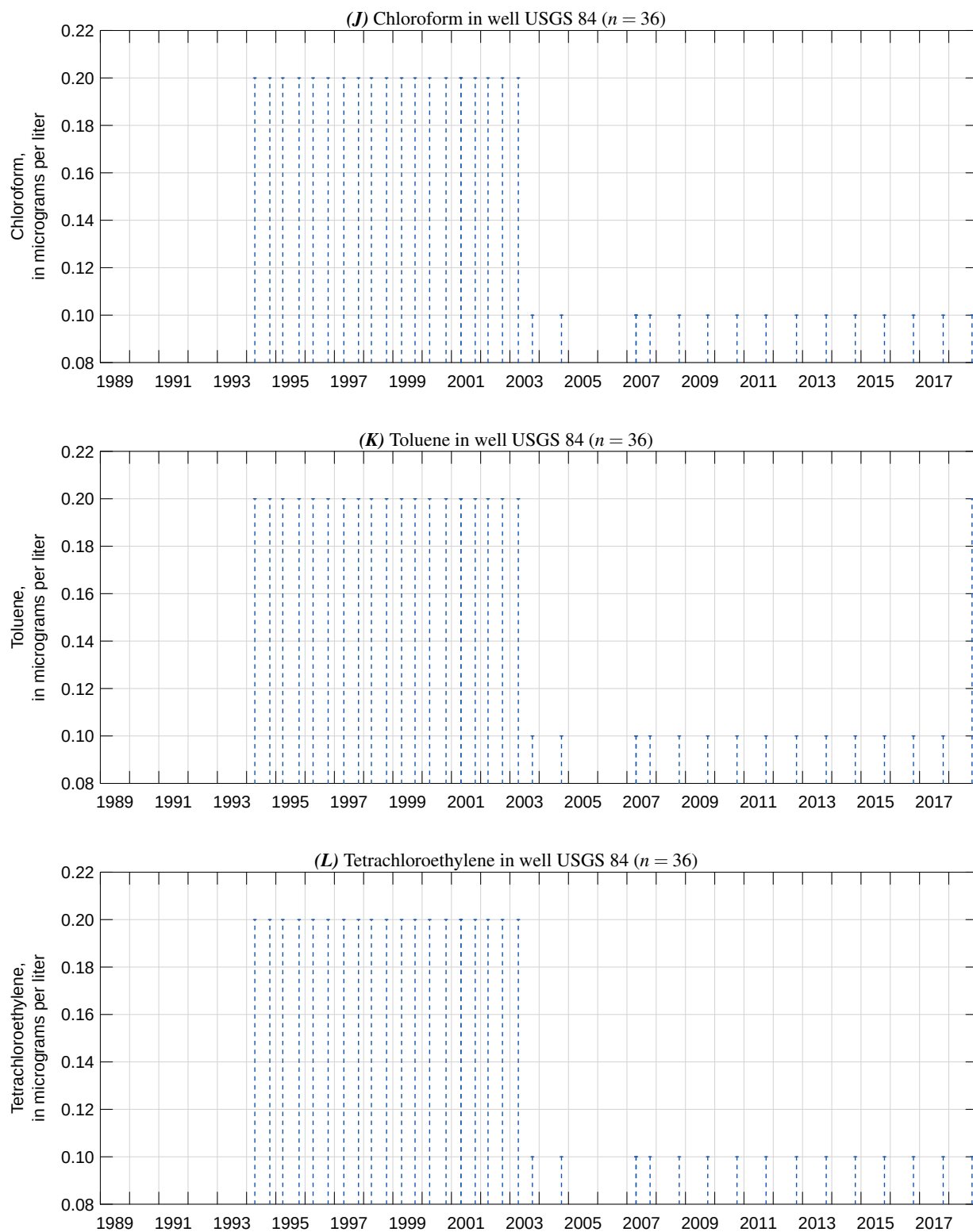


Figure 4.143. —Continued

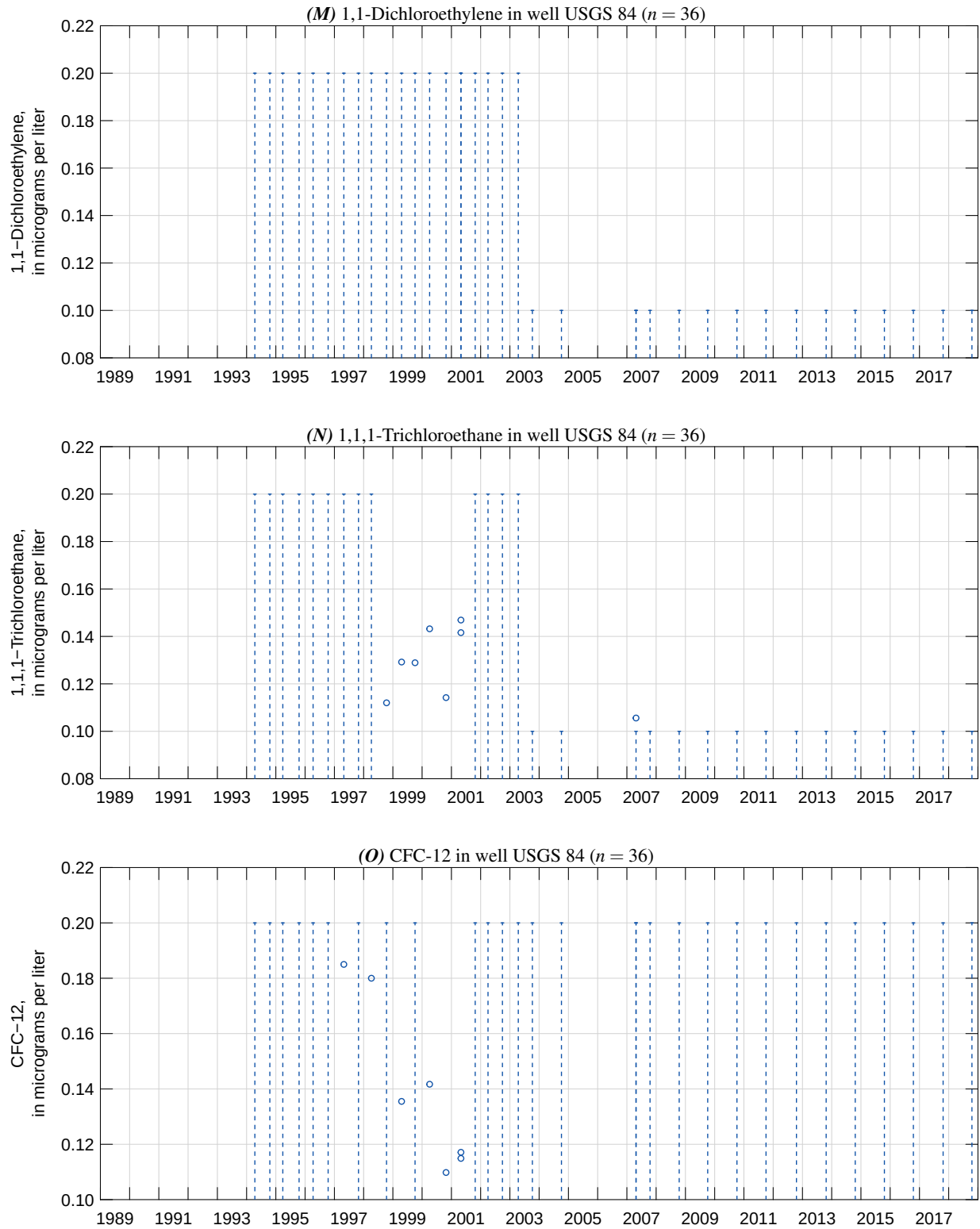


Figure 4.143. —Continued

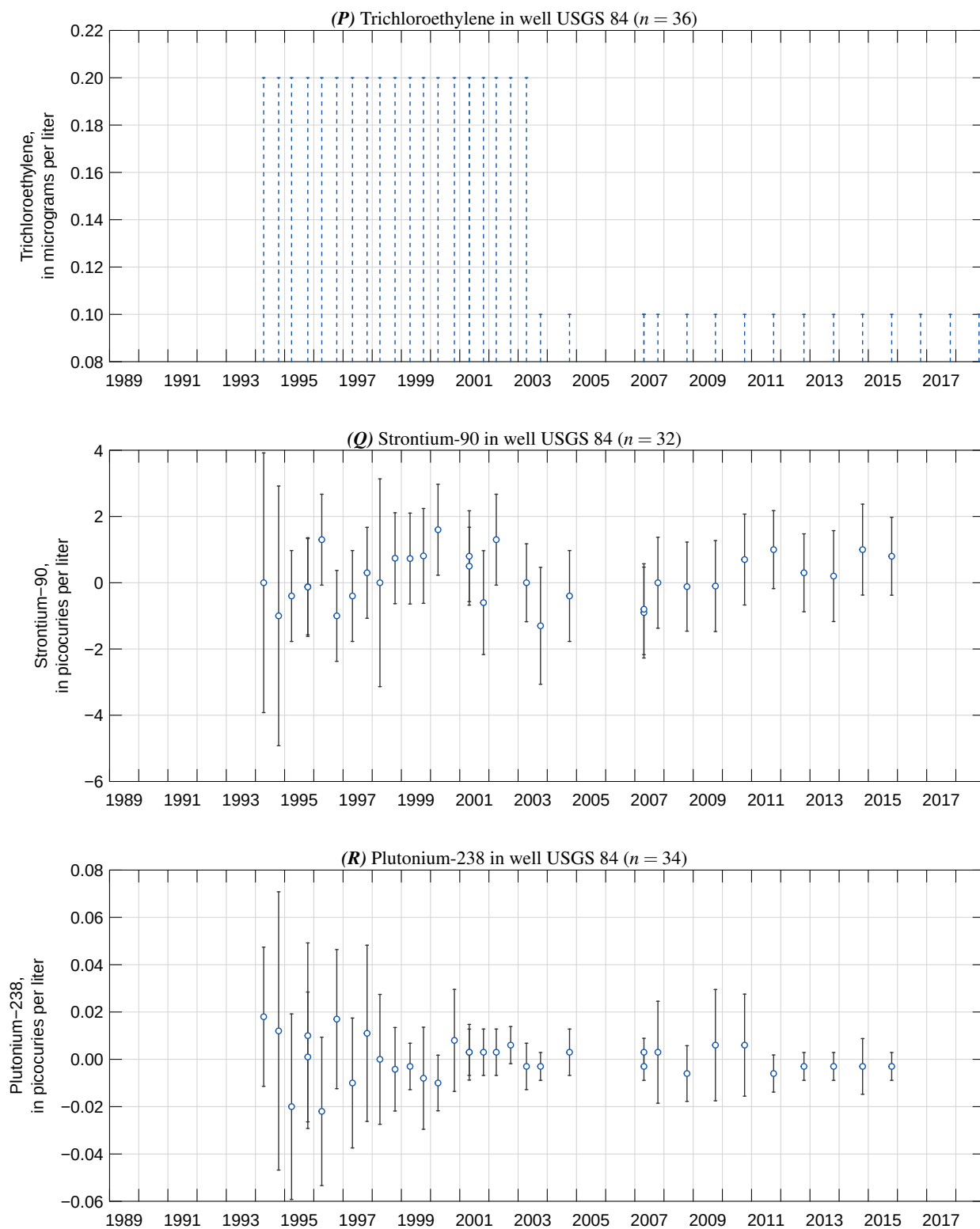


Figure 4.143. —Continued

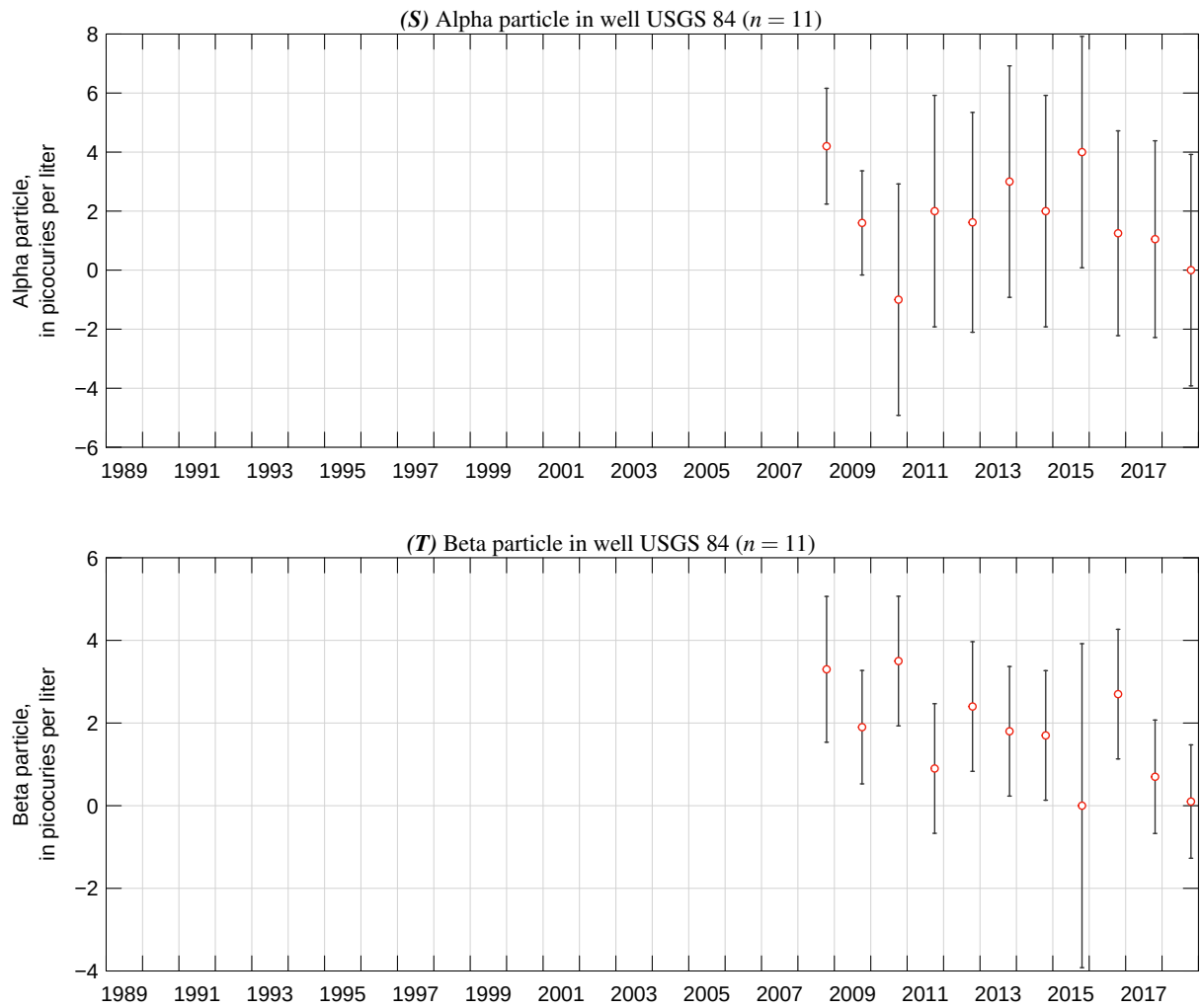


Figure 4.143. —Continued

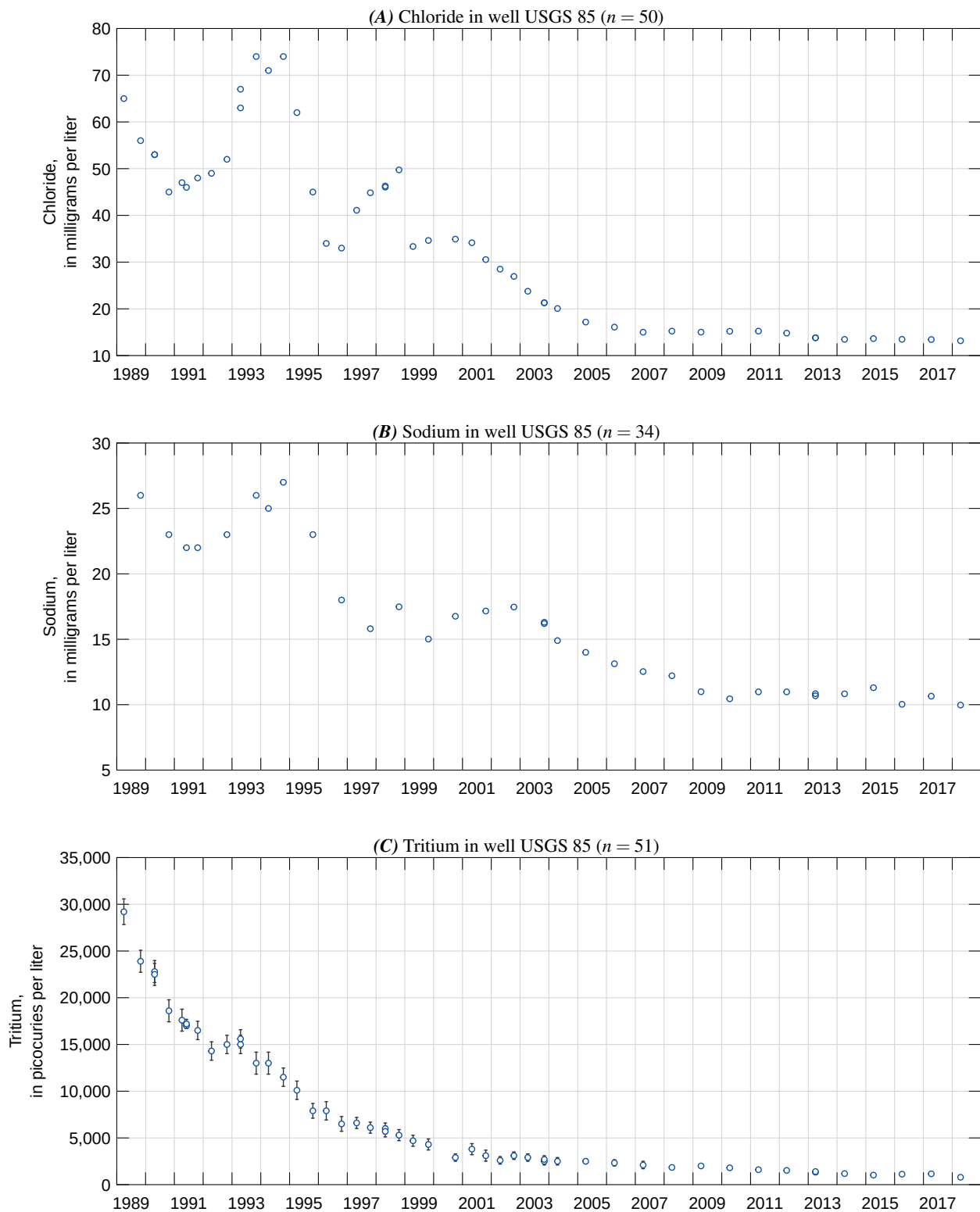


Figure 4.144. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, and (R) plutonium-238 concentrations in water collected from well USGS 85 (Site No. 433246112571201), Idaho National Laboratory, Idaho, 1989–2018.

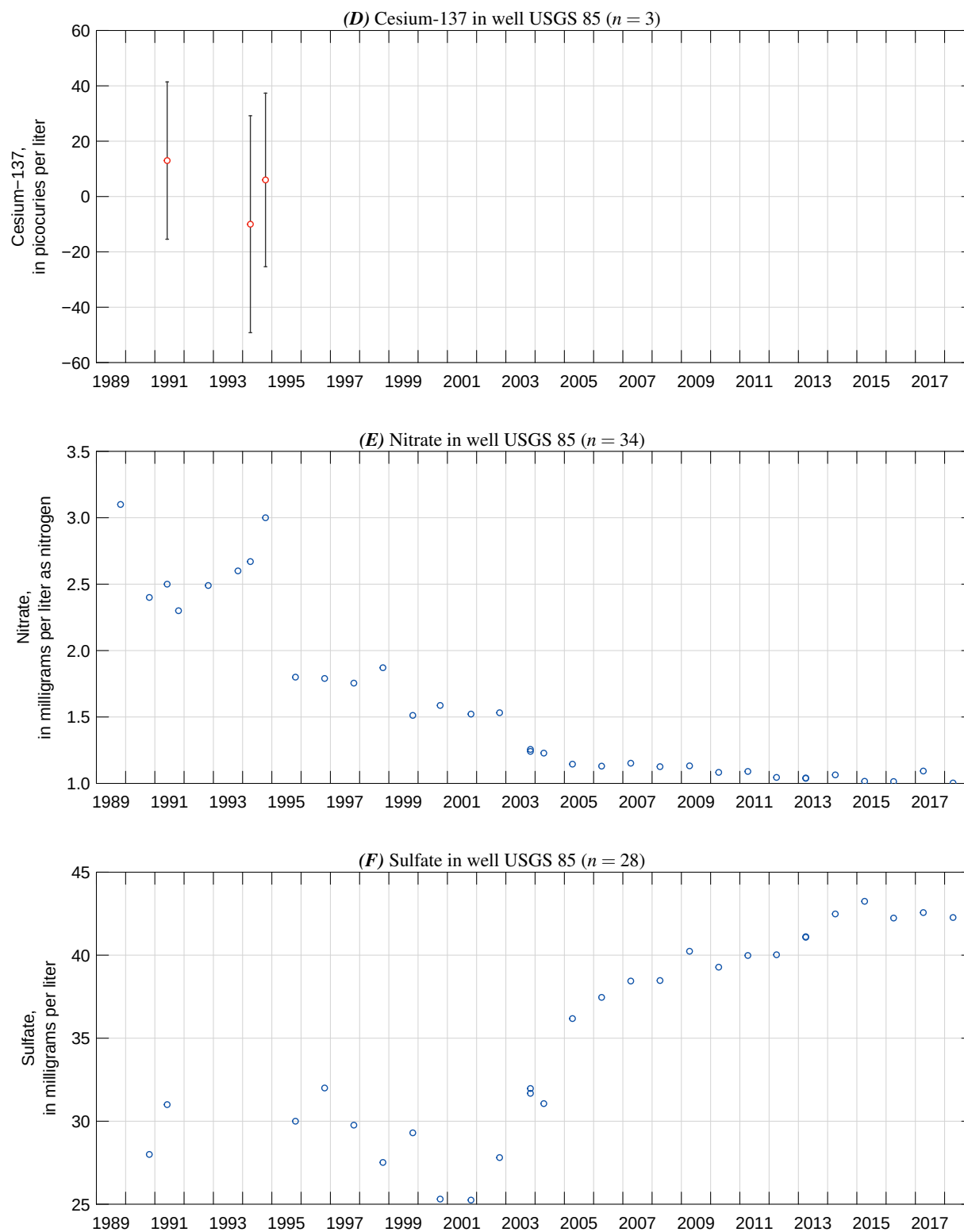


Figure 4.144. —Continued

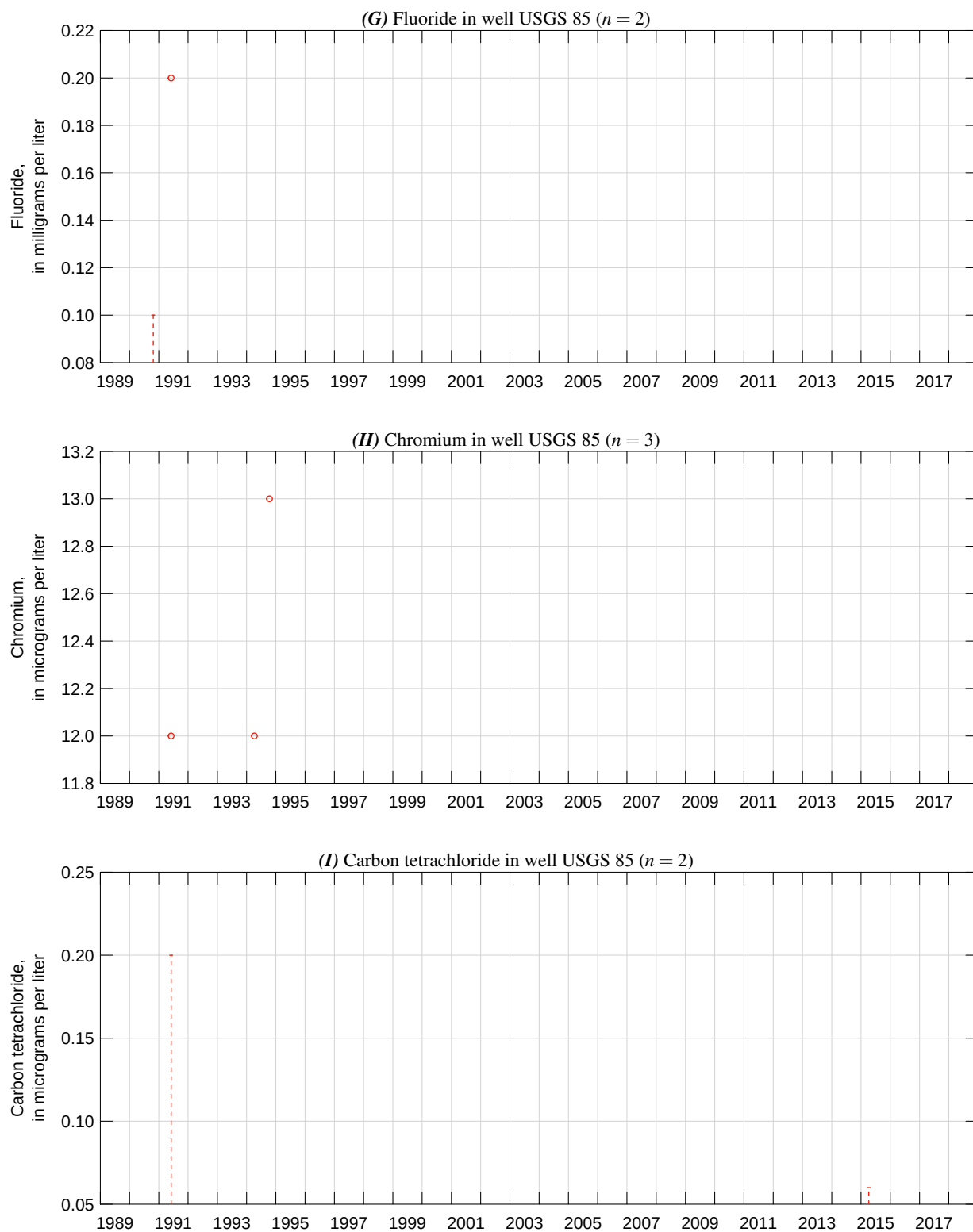


Figure 4.144. —Continued

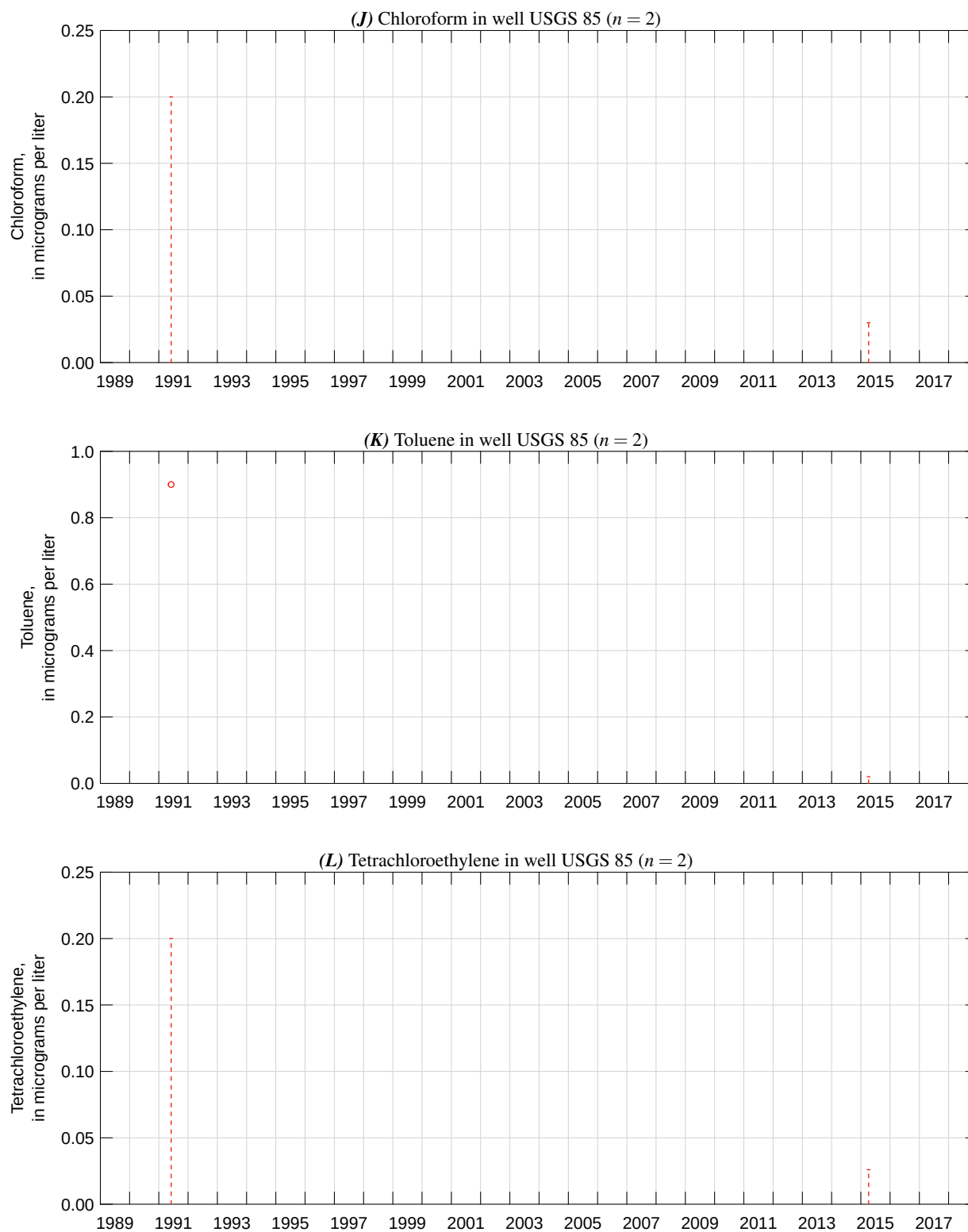


Figure 4.144. —Continued

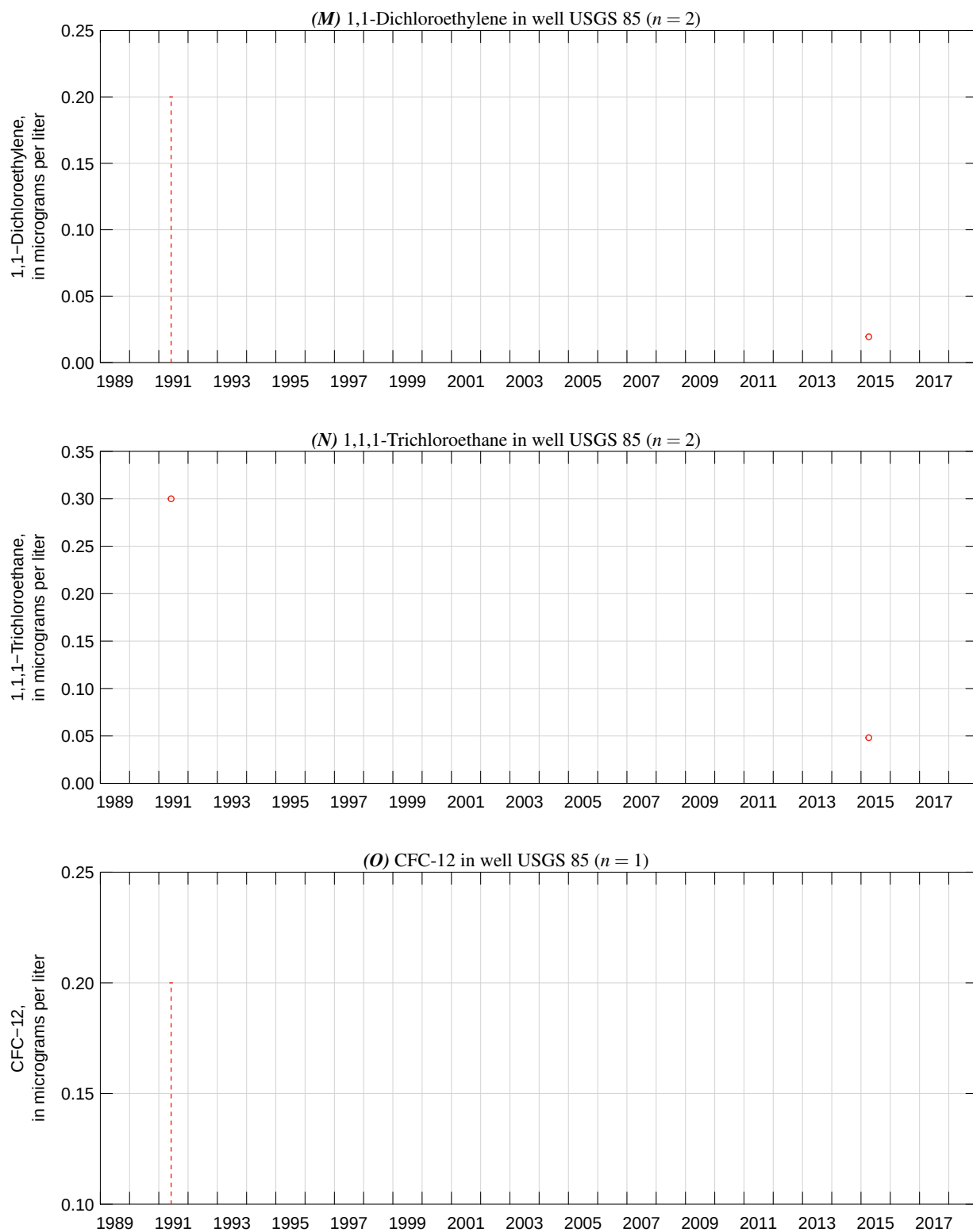


Figure 4.144. —Continued

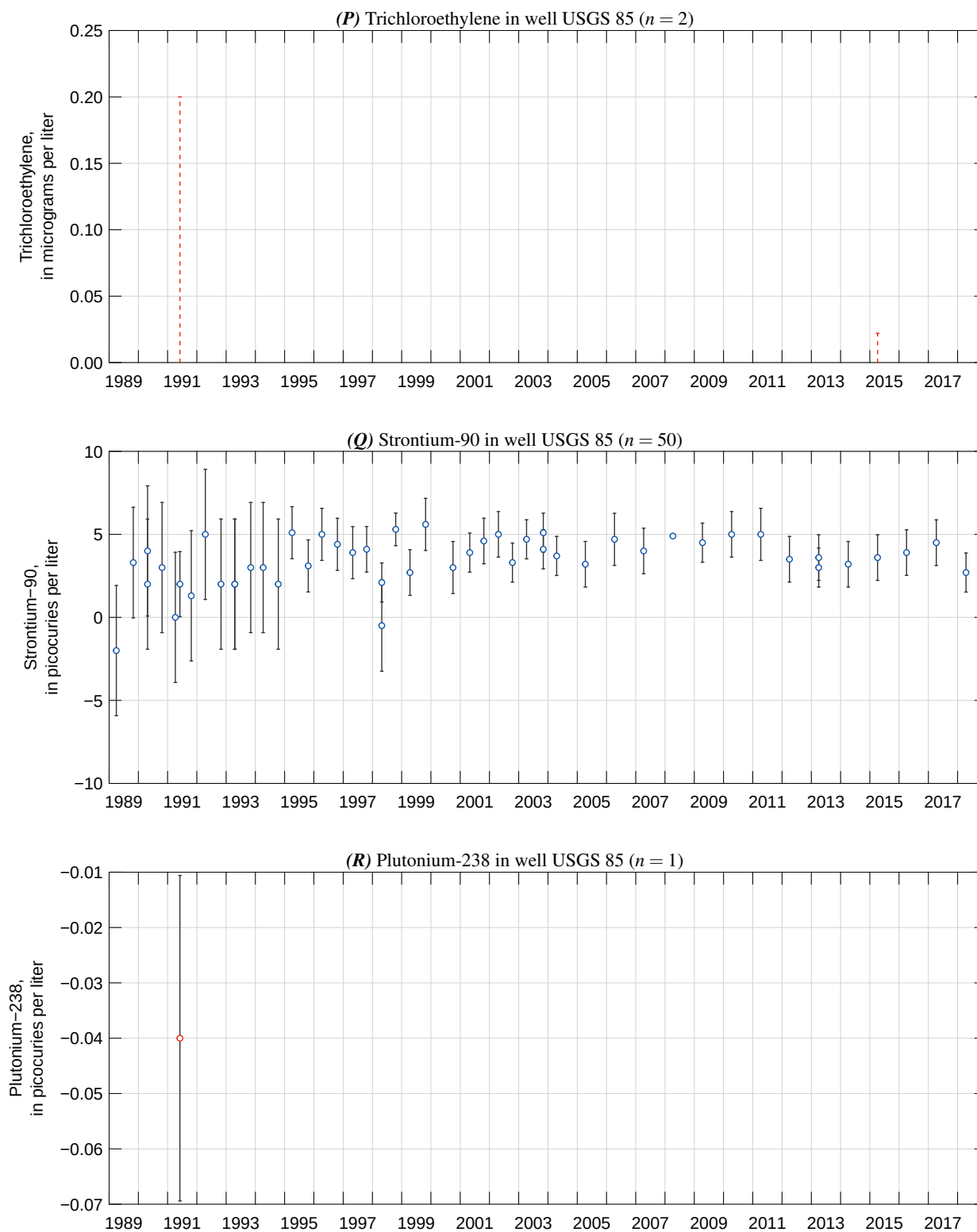


Figure 4.144. —Continued

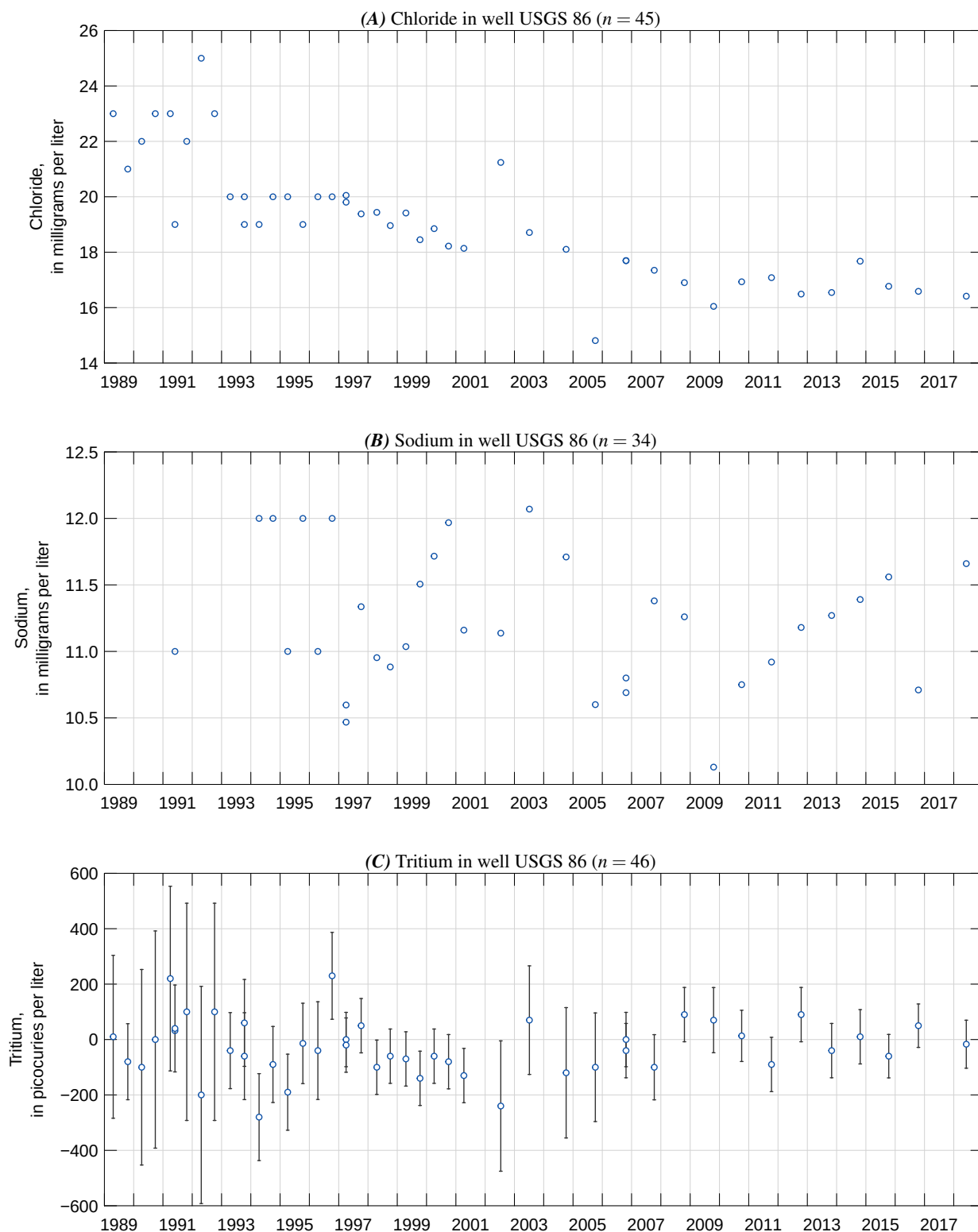


Figure 4.145. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, (R) plutonium-238, (S) alpha particle, and (T) beta particle concentrations in water collected from well USGS 86 (Site No. 432935113080001), Idaho National Laboratory, Idaho, 1989–2018.

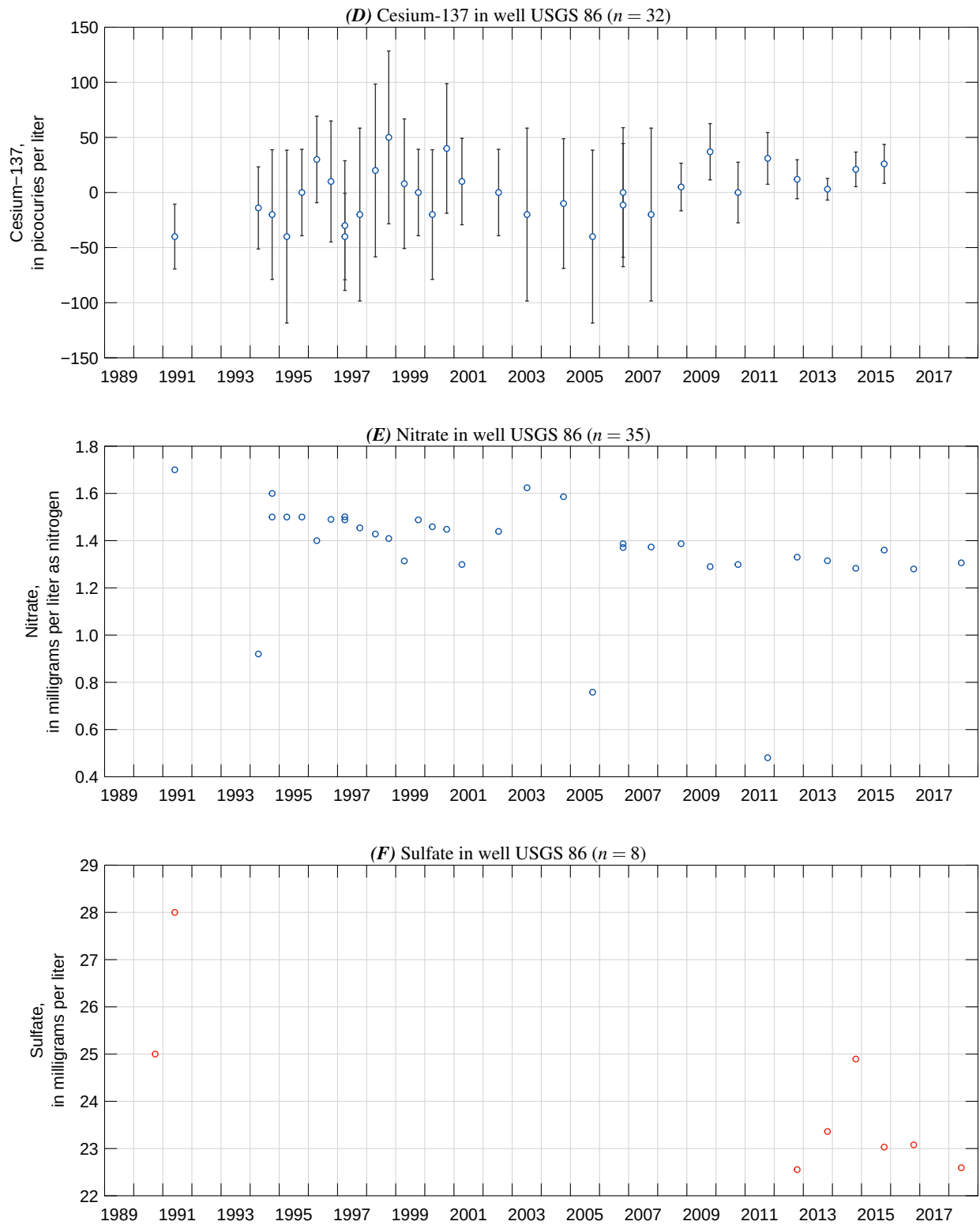


Figure 4.145. —Continued

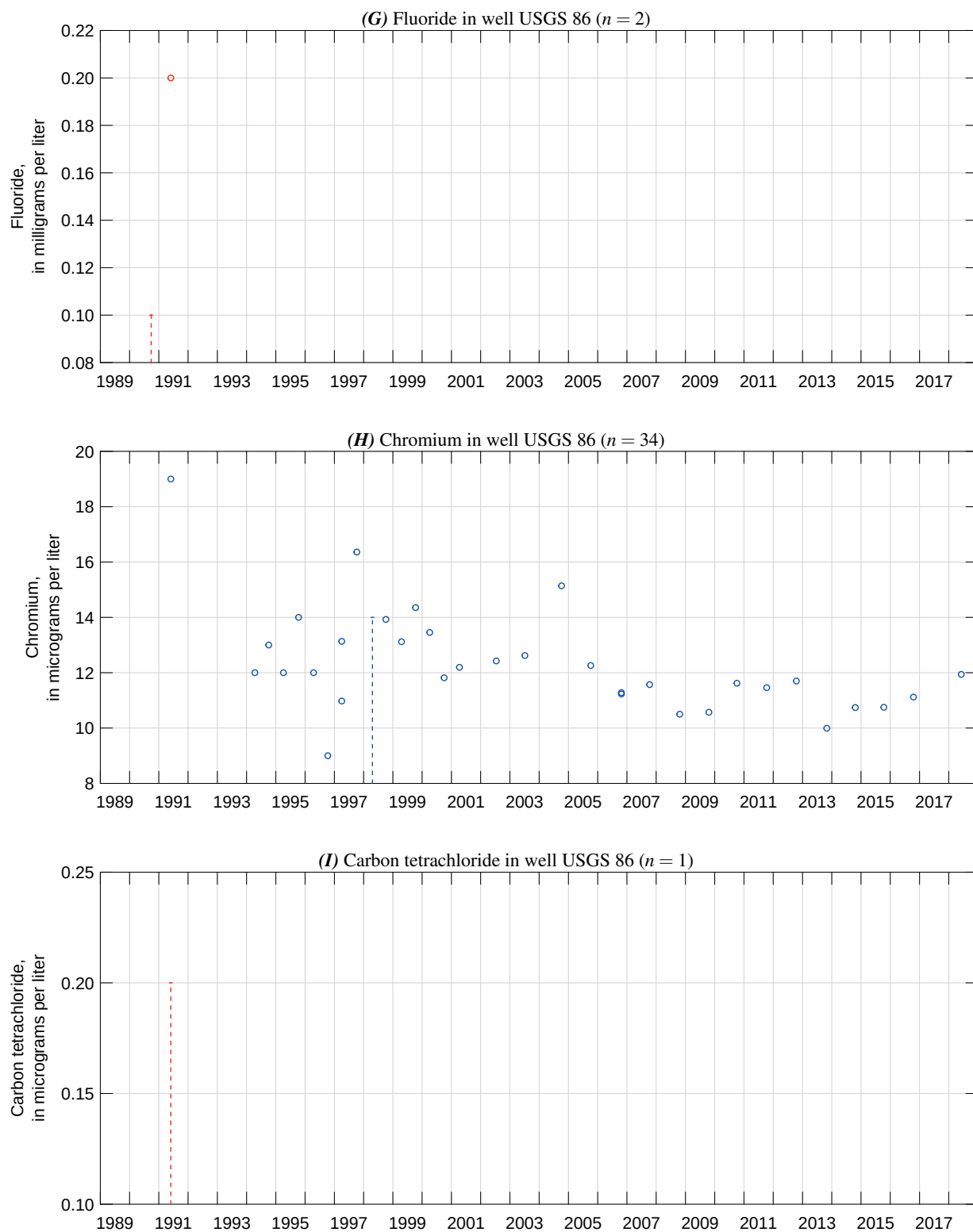


Figure 4.145. —Continued

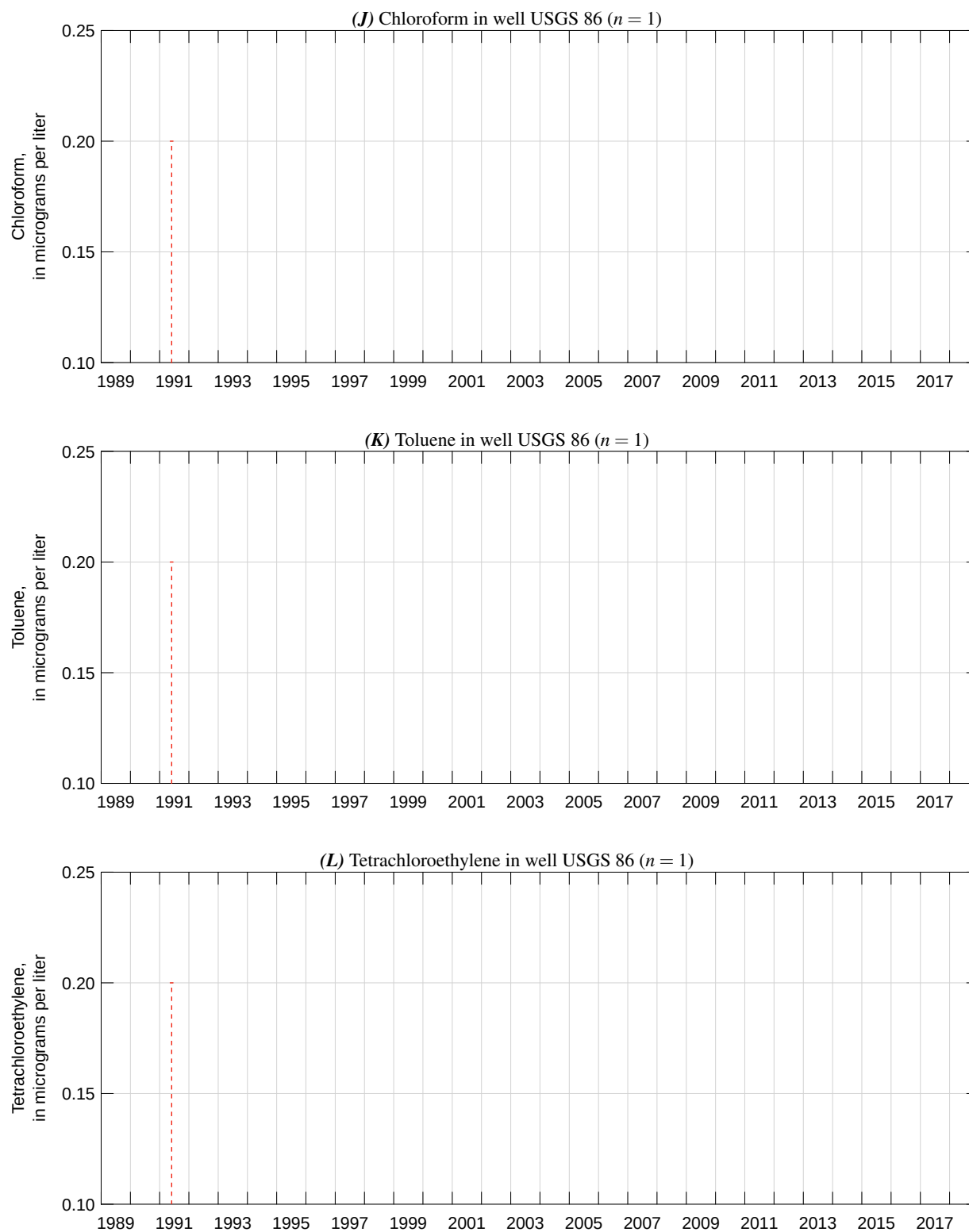


Figure 4.145. —Continued

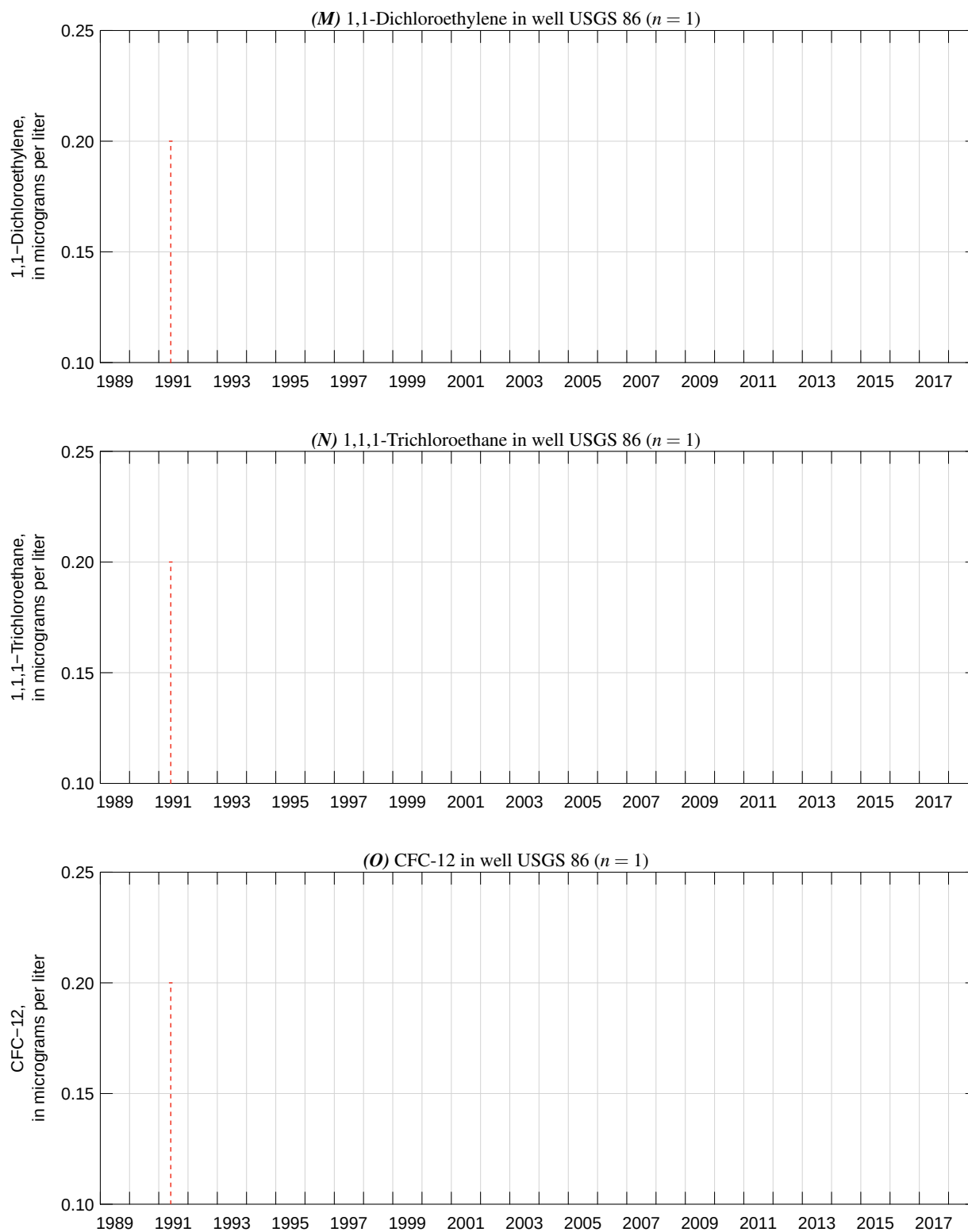


Figure 4.145. —Continued

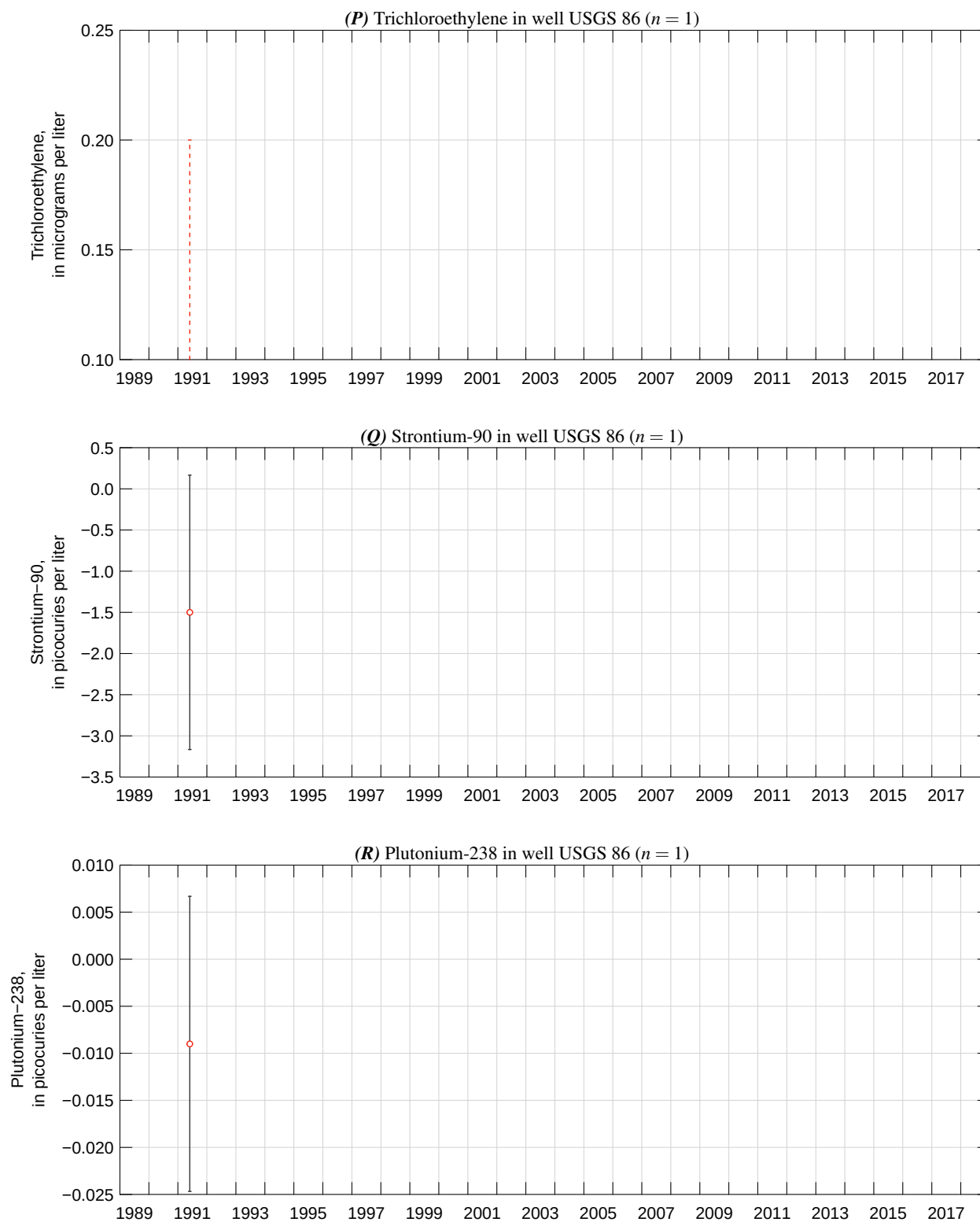


Figure 4.145. —Continued

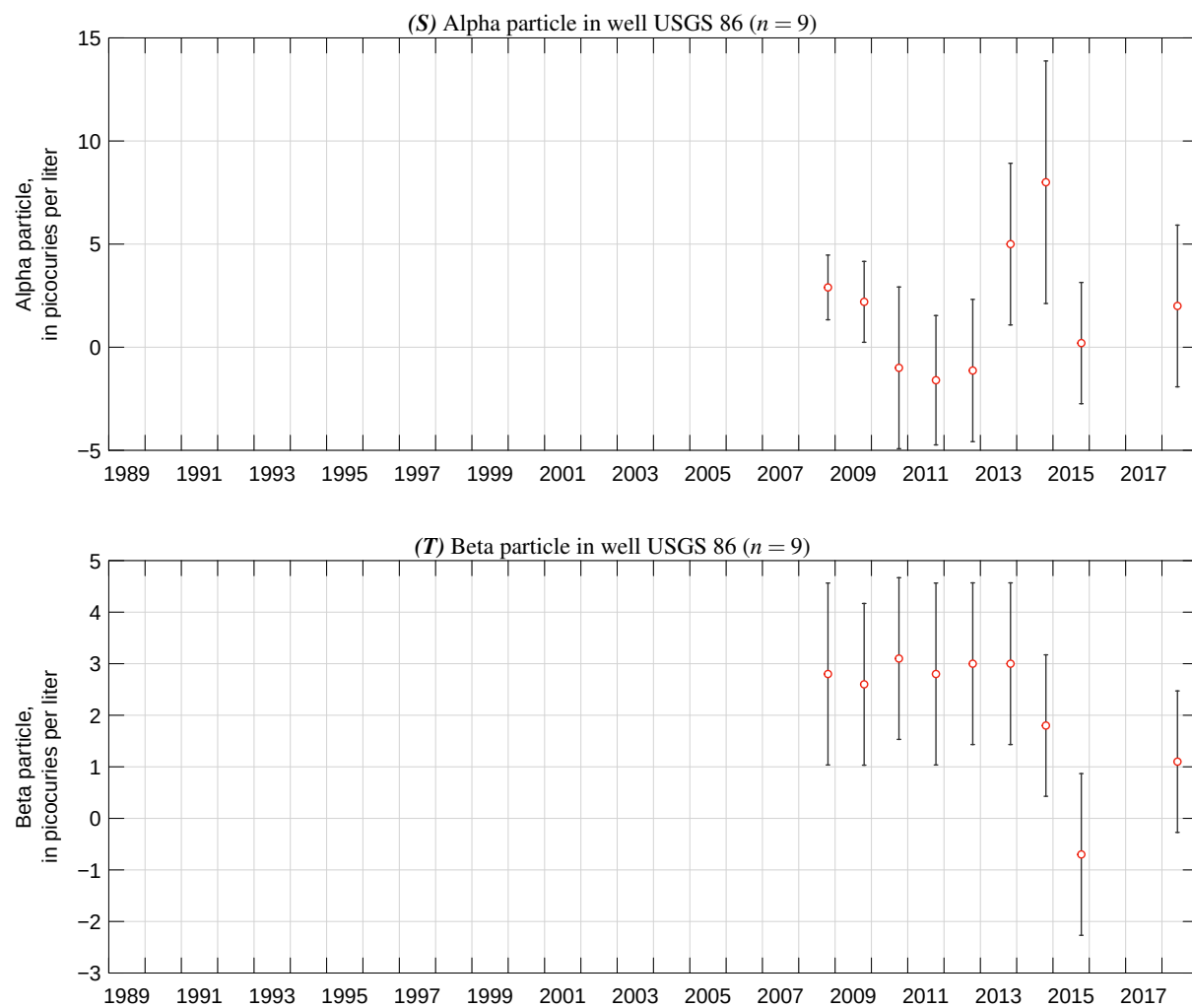


Figure 4.145. —Continued

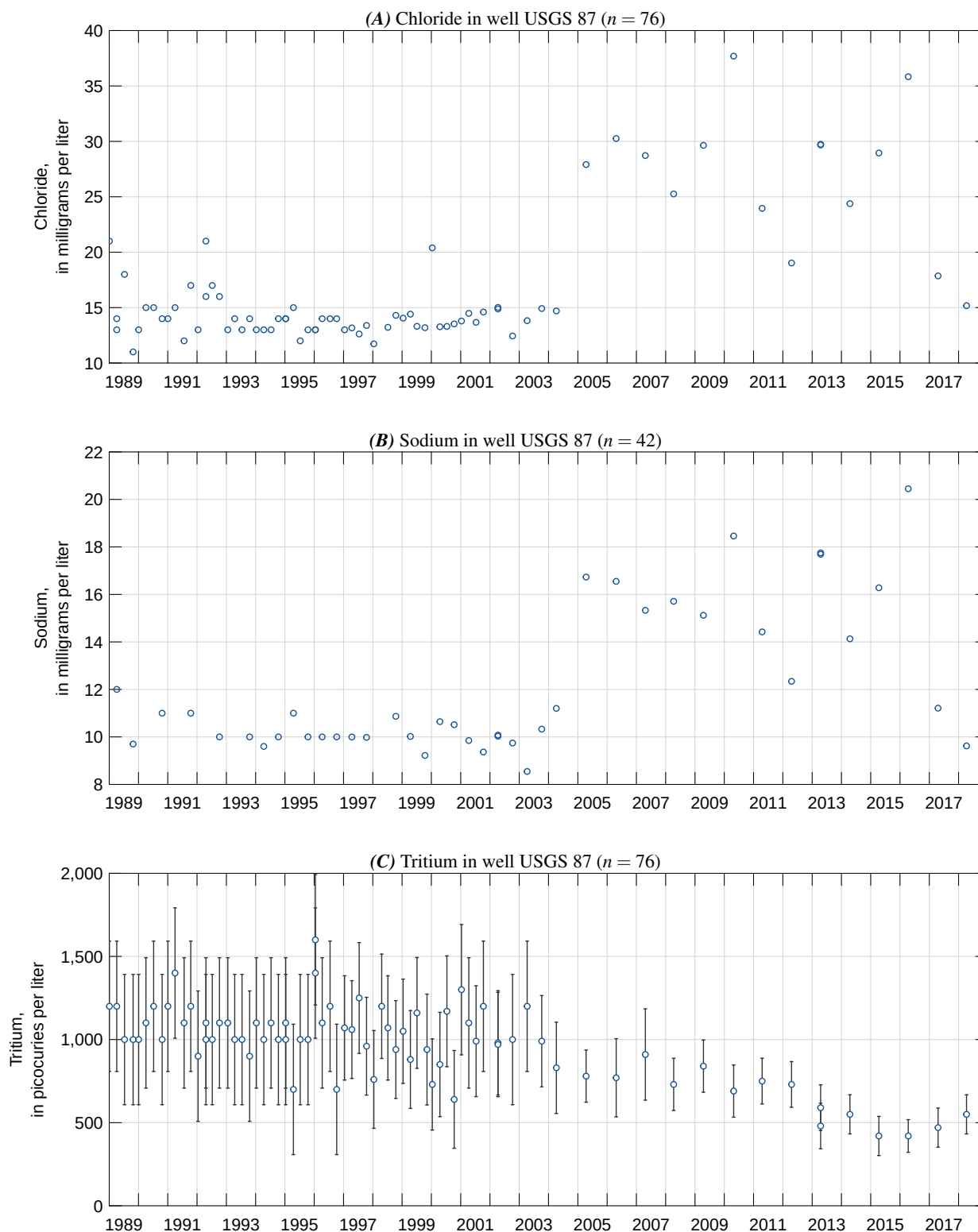


Figure 4.146. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, (R) plutonium-238, (S) alpha particle, and (T) beta particle concentrations in water collected from well USGS 87 (Site No. 433013113024201), Idaho National Laboratory, Idaho, 1989–2018.

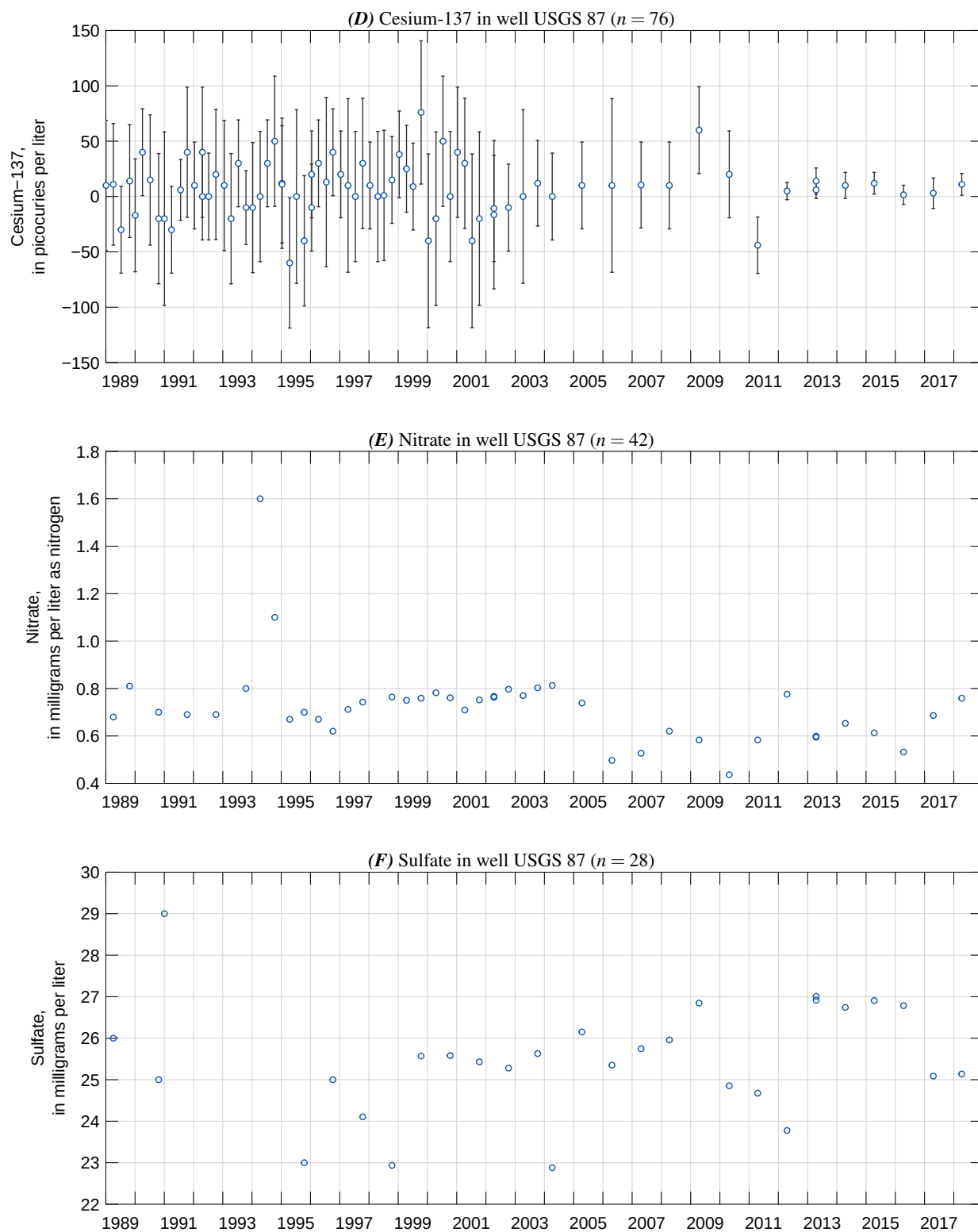


Figure 4.146. —Continued

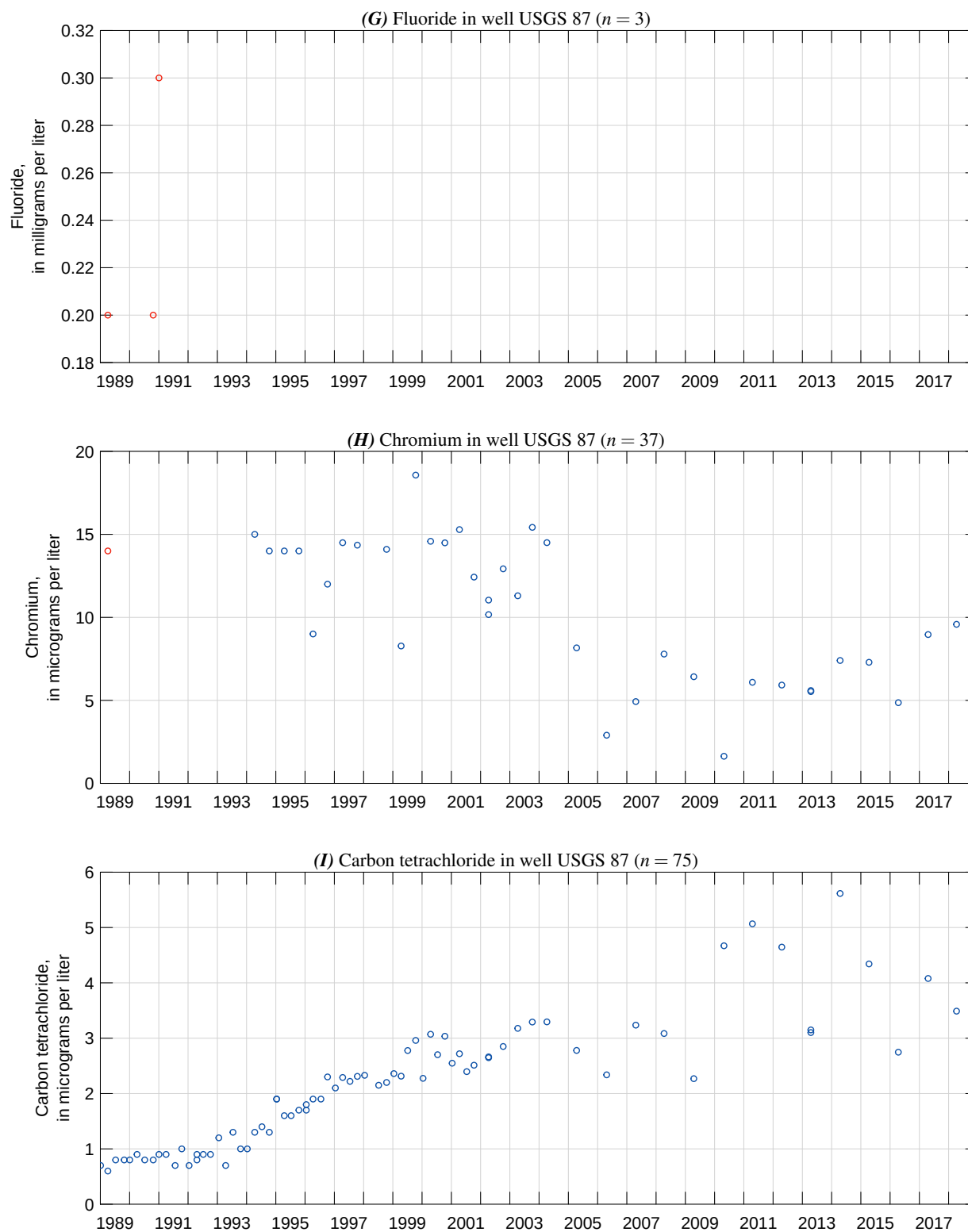


Figure 4.146. —Continued

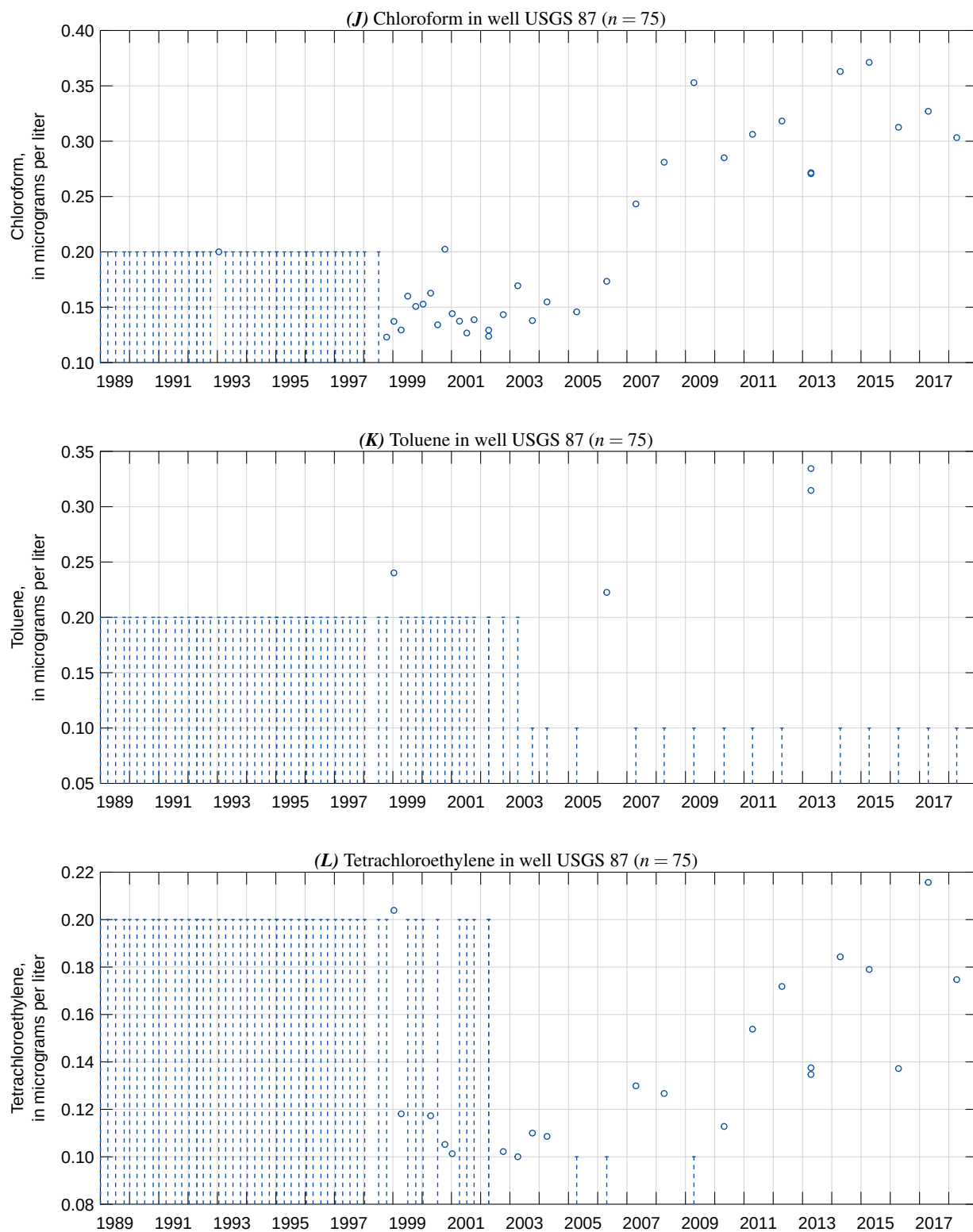


Figure 4.146. —Continued

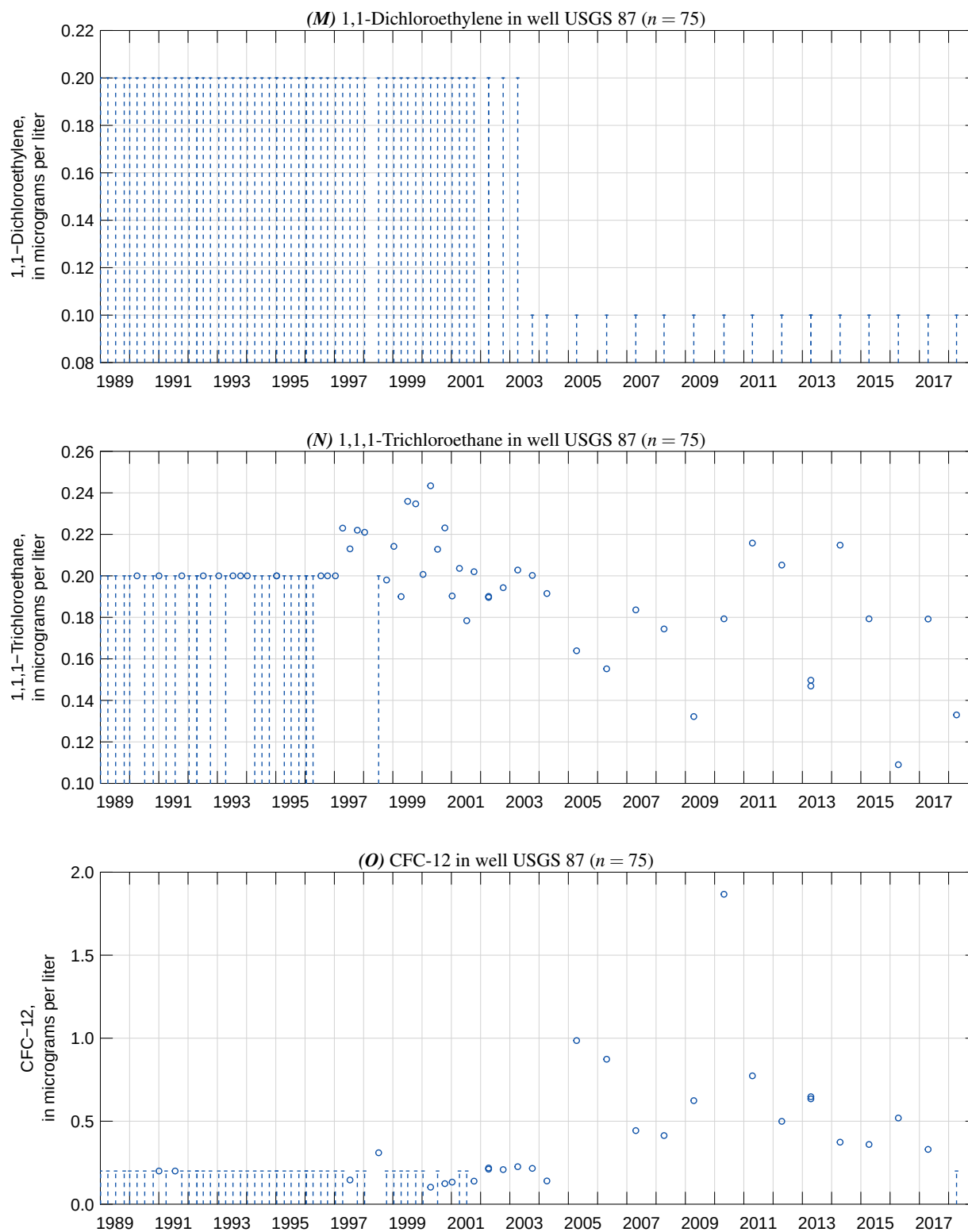


Figure 4.146. —Continued

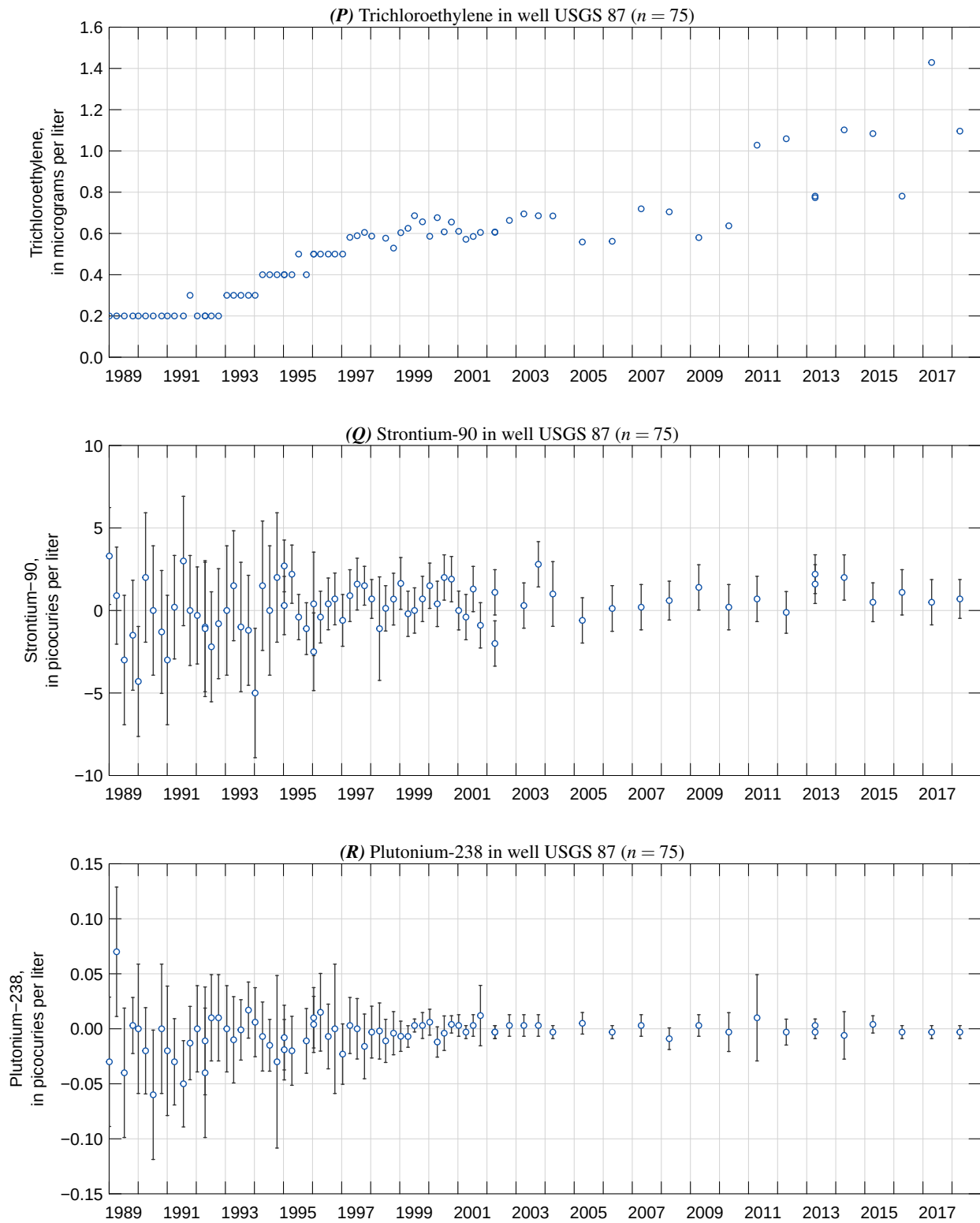


Figure 4.146. —Continued

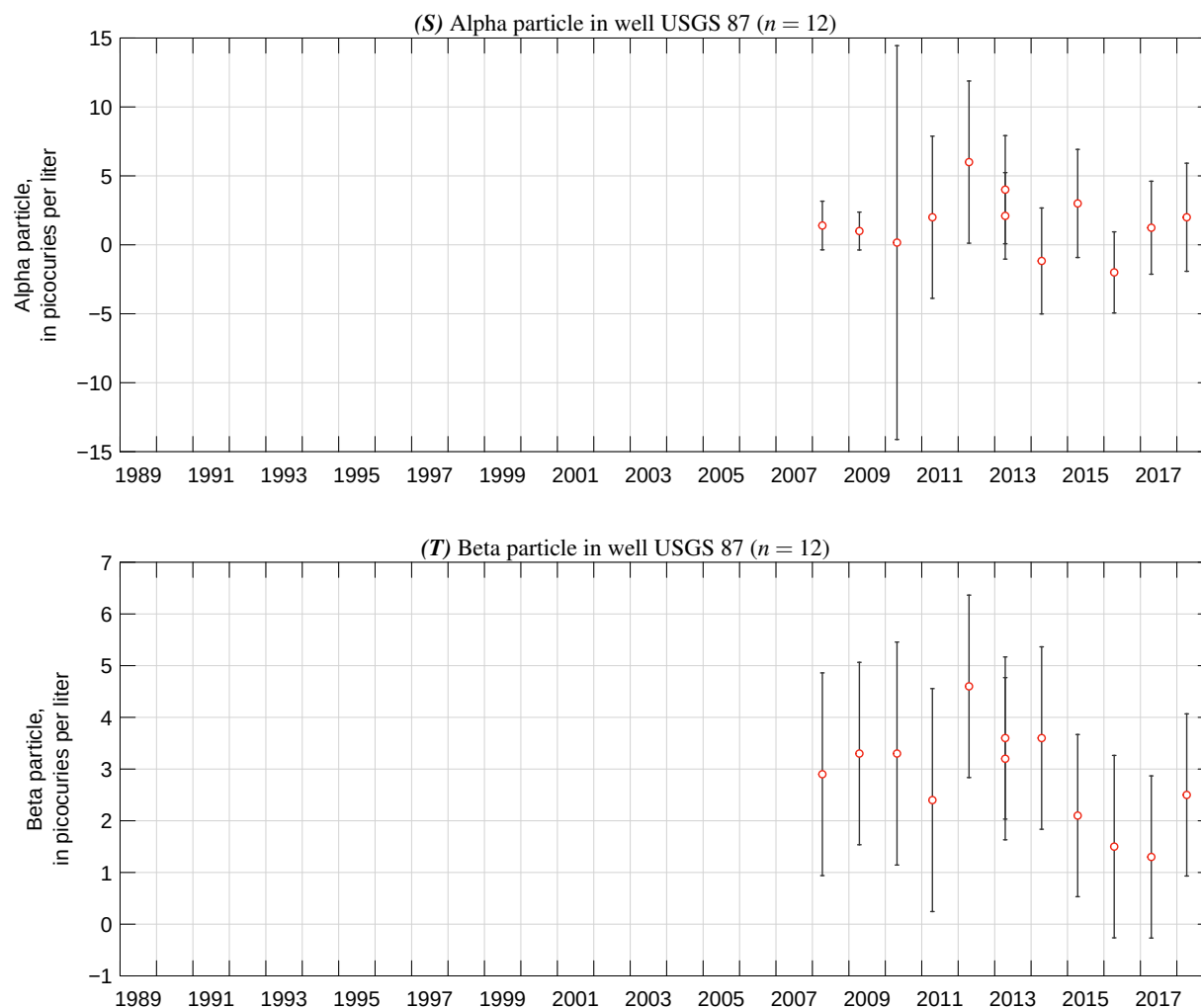


Figure 4.146. —Continued

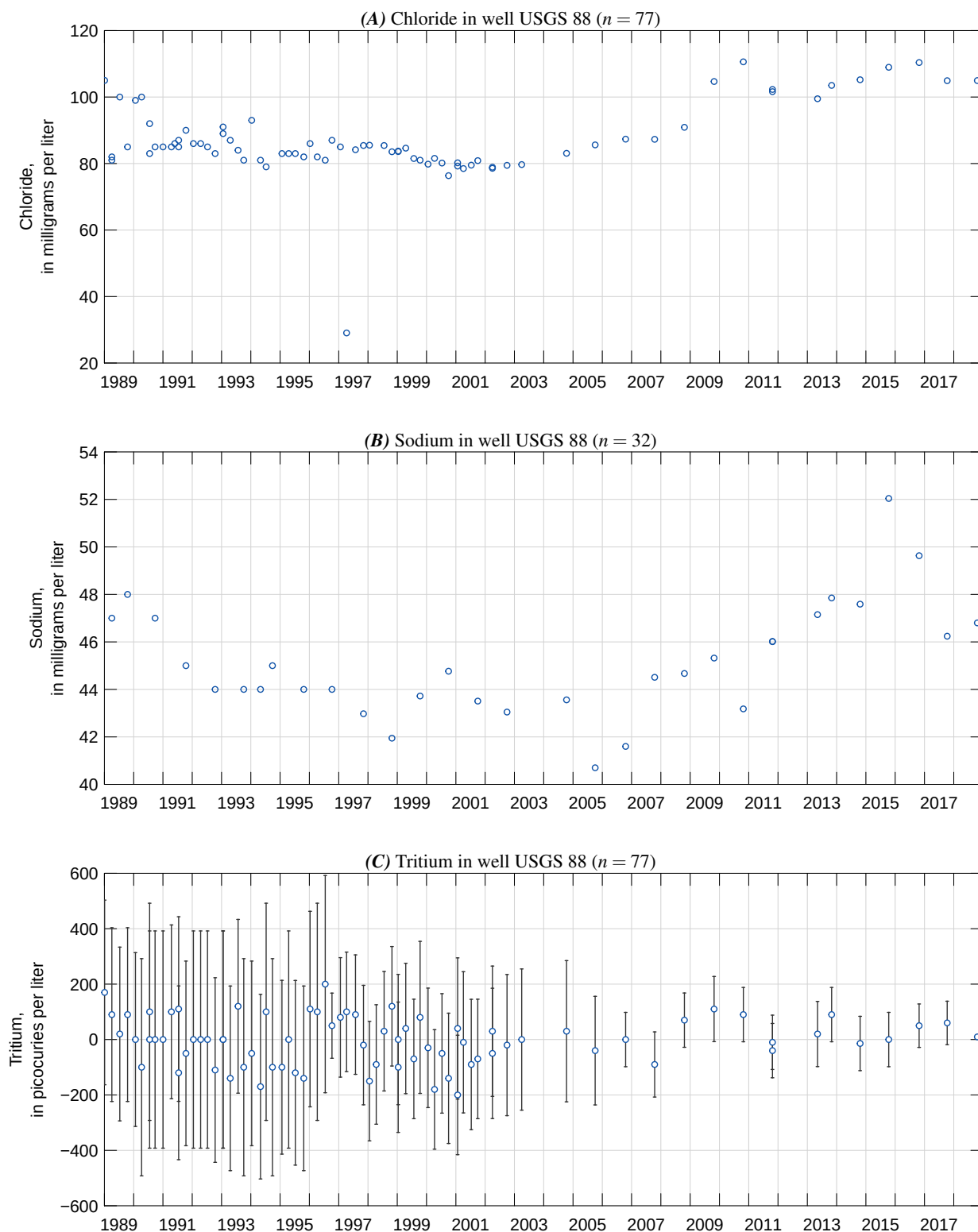


Figure 4.147. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, and (R) plutonium-238 concentrations in water collected from well USGS 88 (Site No. 432940113030201), Idaho National Laboratory, Idaho, 1989–2018.

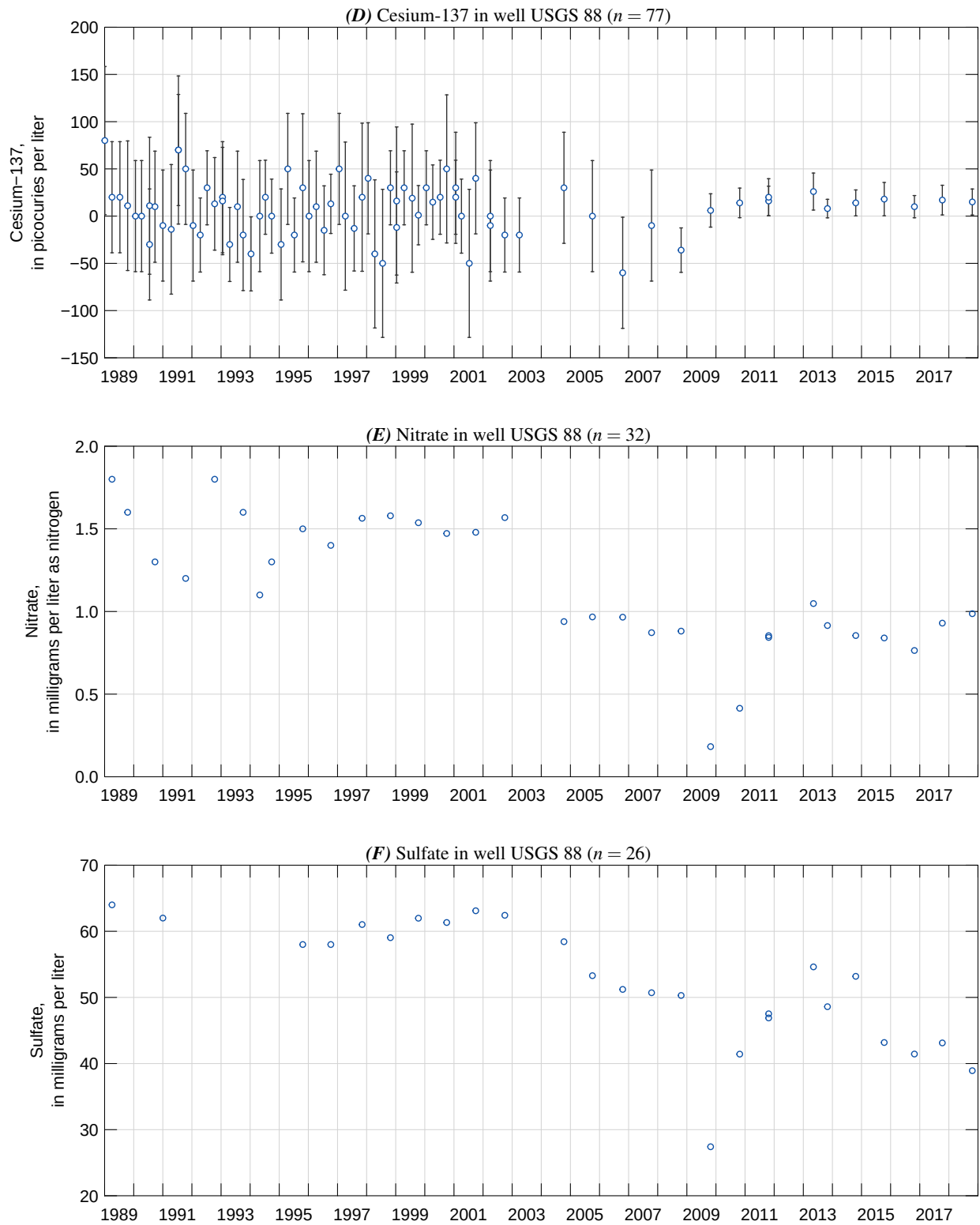


Figure 4.147. —Continued

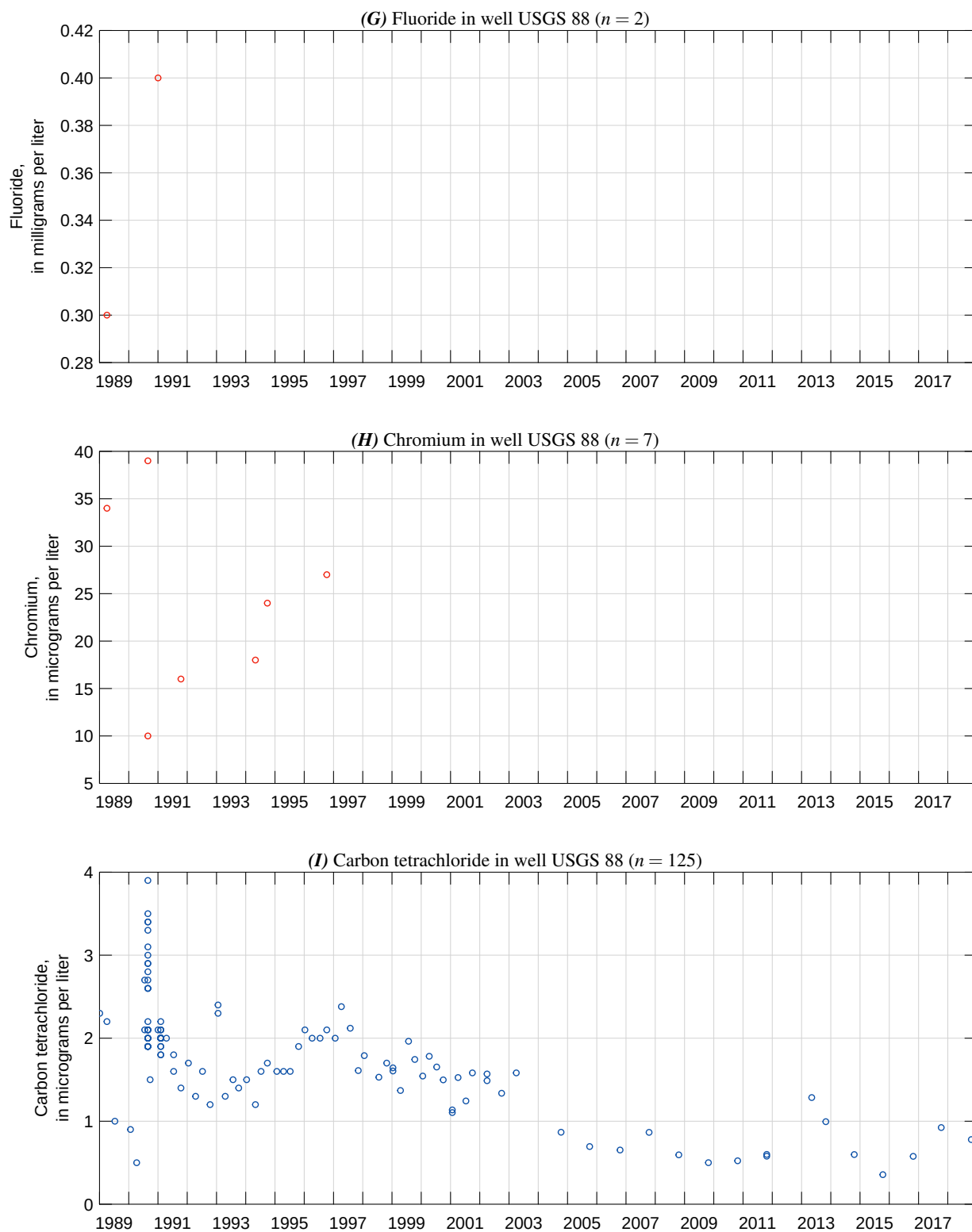


Figure 4.147. —Continued

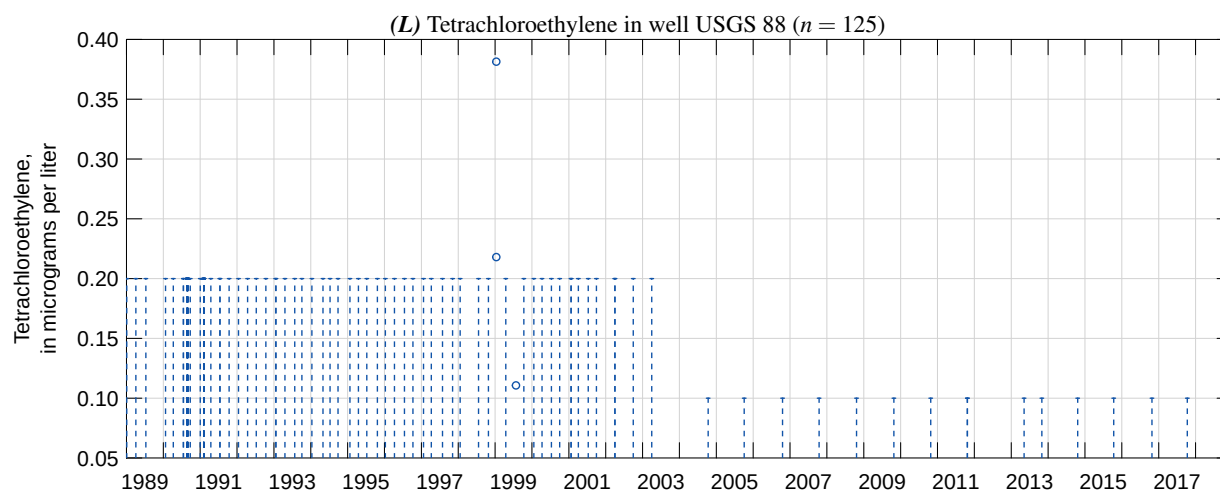
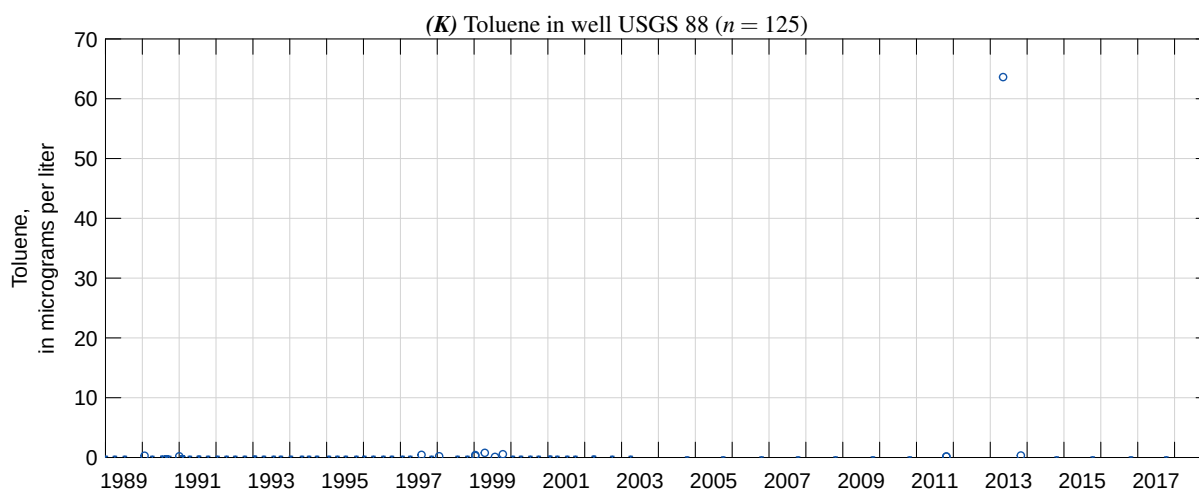
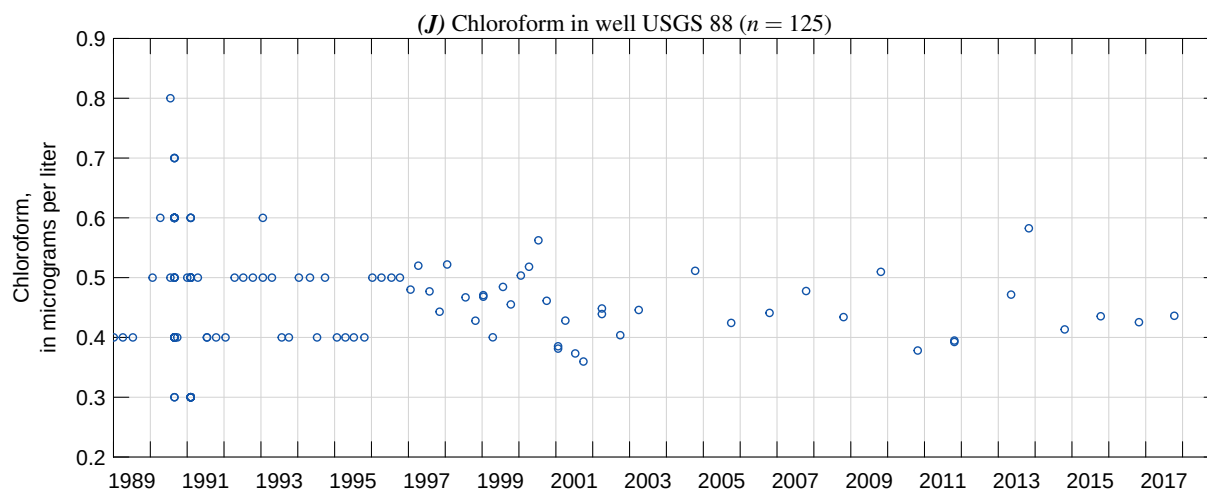


Figure 4.147. —Continued

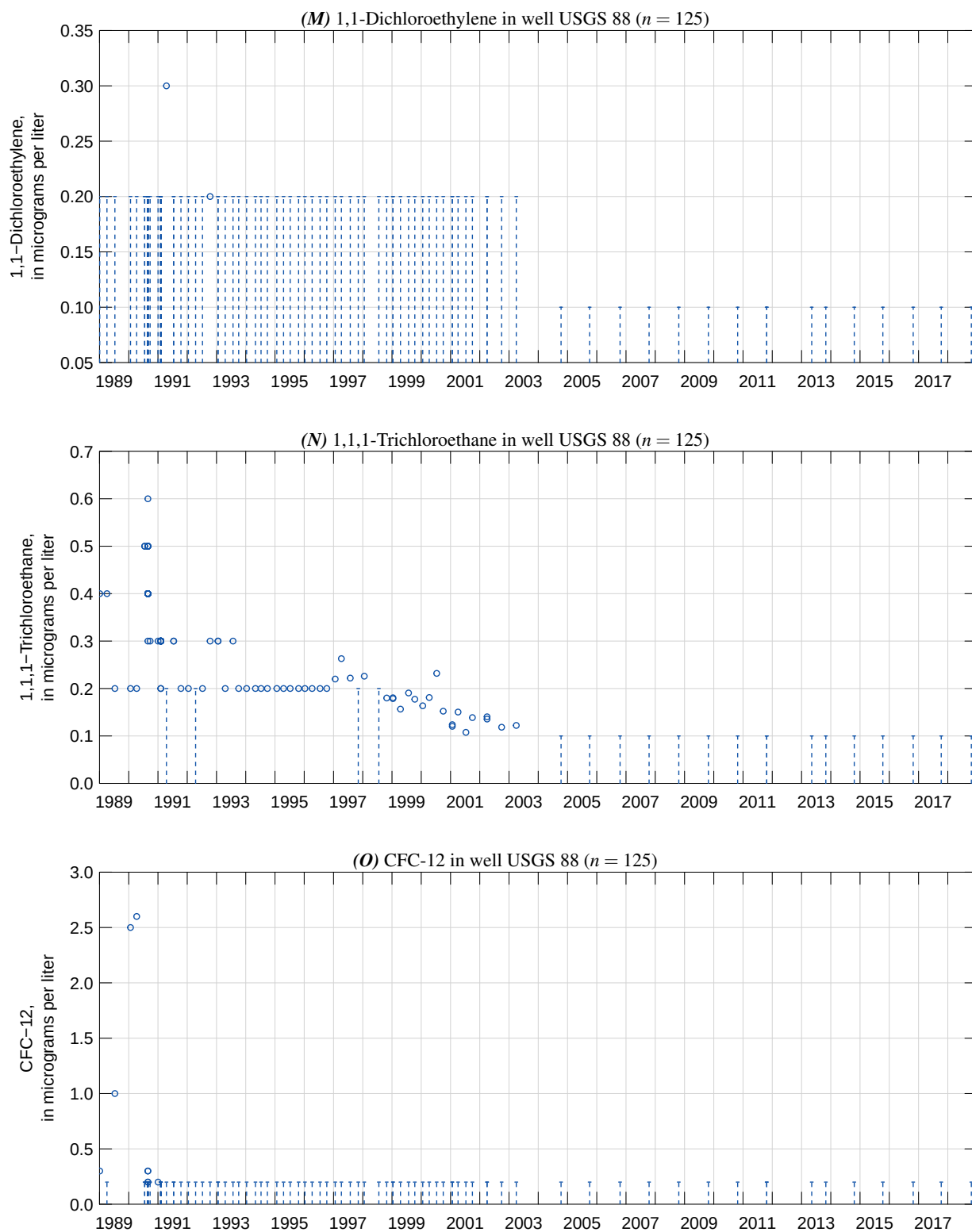


Figure 4.147. —Continued

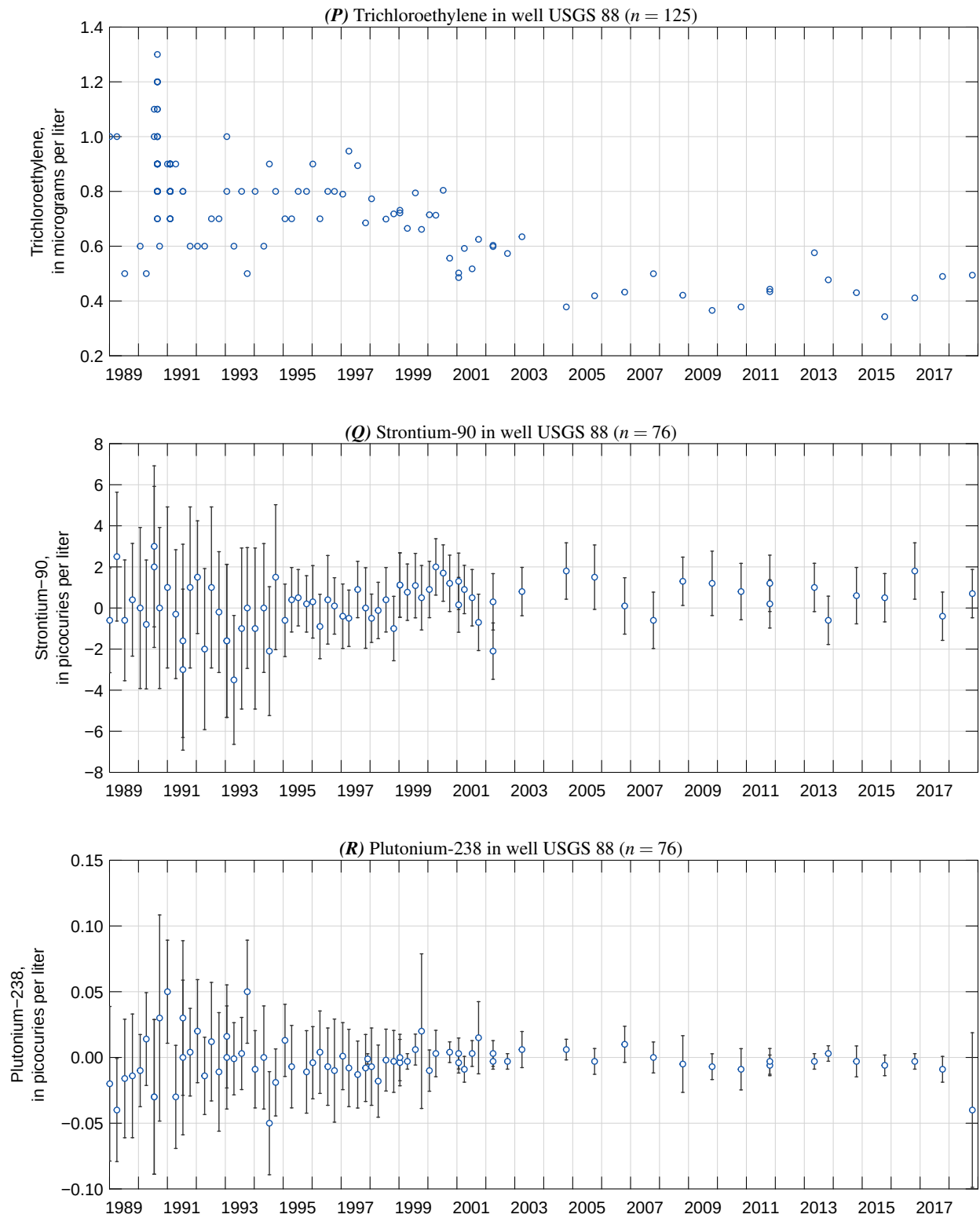


Figure 4.147. —Continued

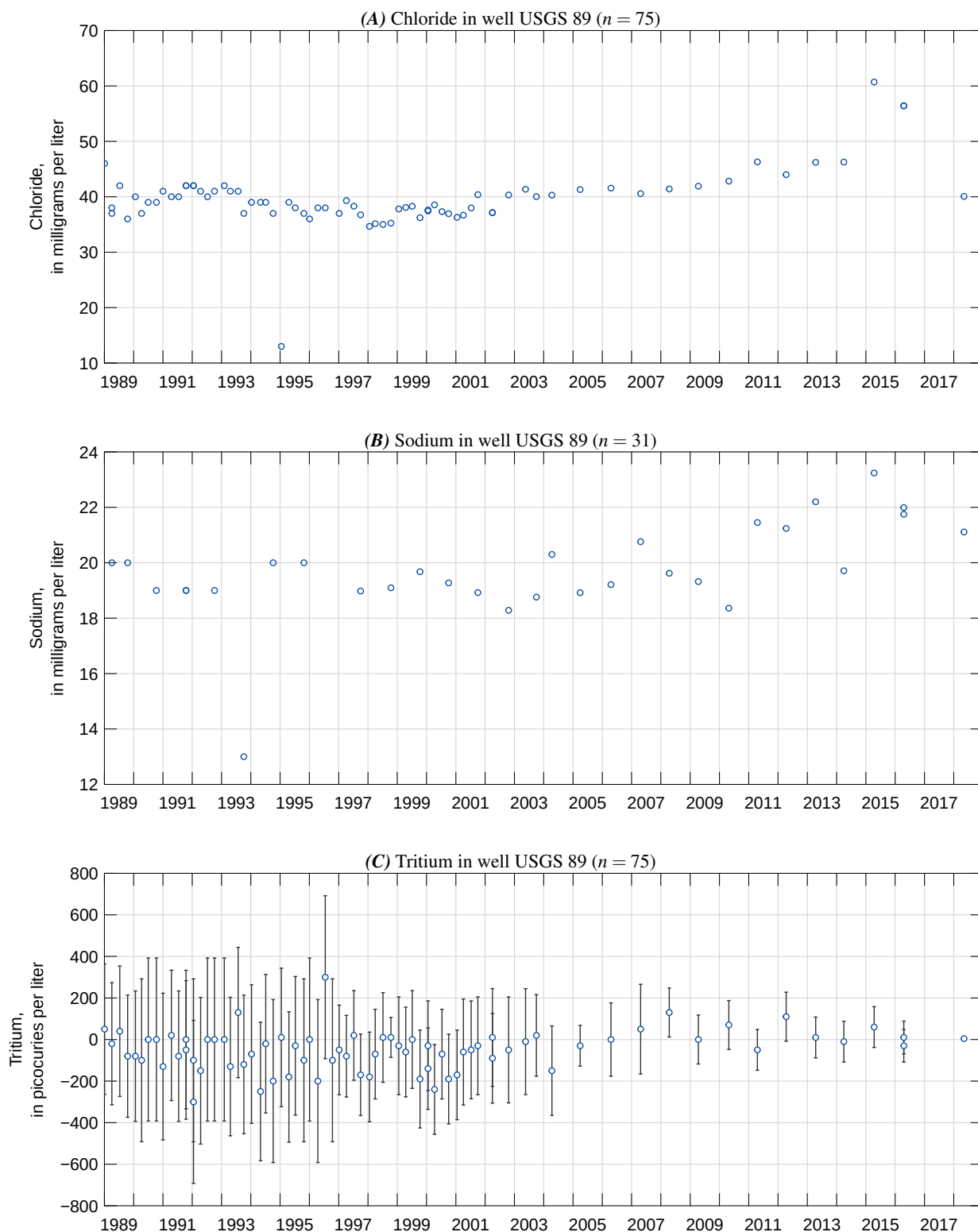


Figure 4.148. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, and (R) plutonium-238 concentrations in water collected from well USGS 89 (Site No. 433005113032801), Idaho National Laboratory, Idaho, 1989–2018.

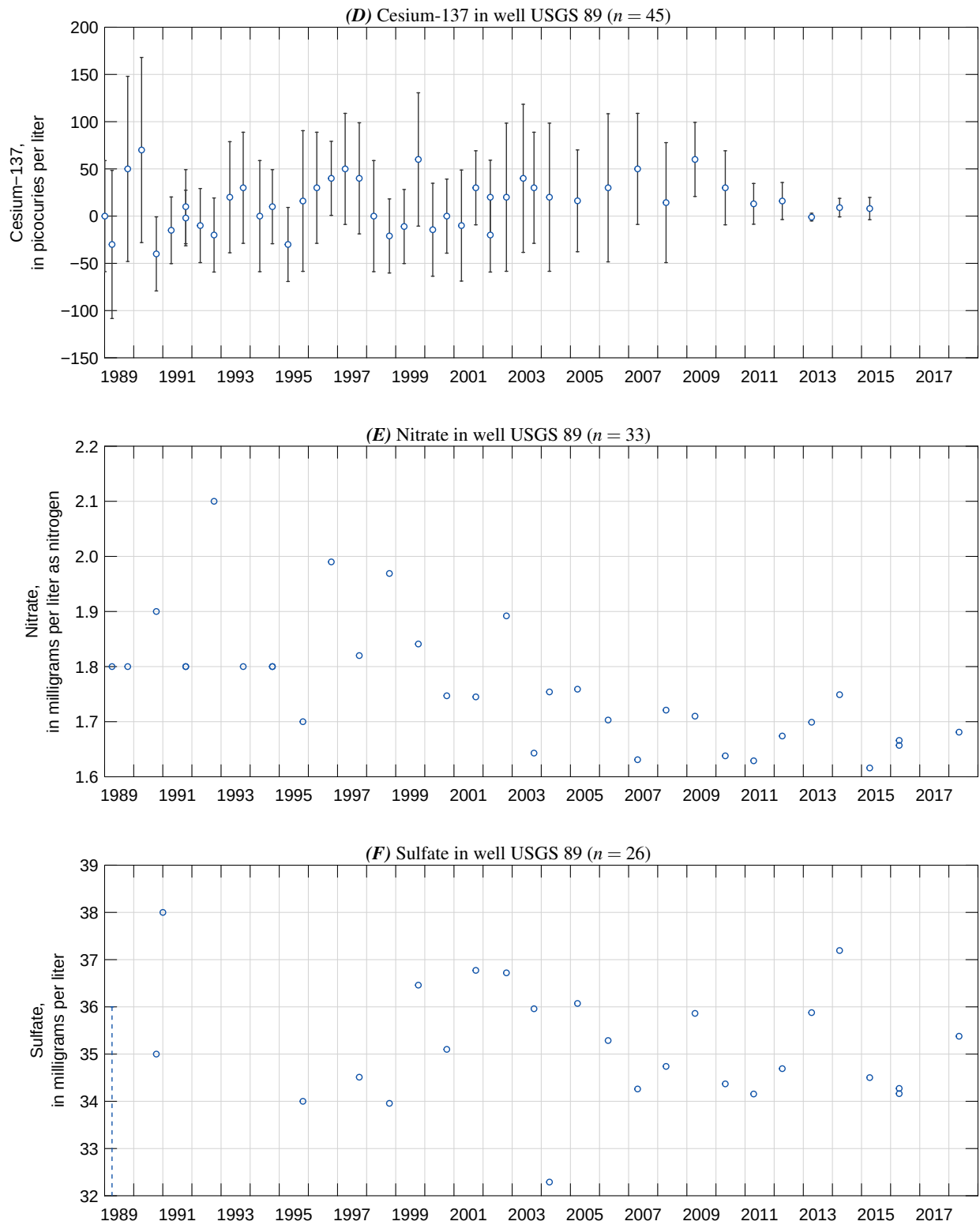


Figure 4.148. —Continued

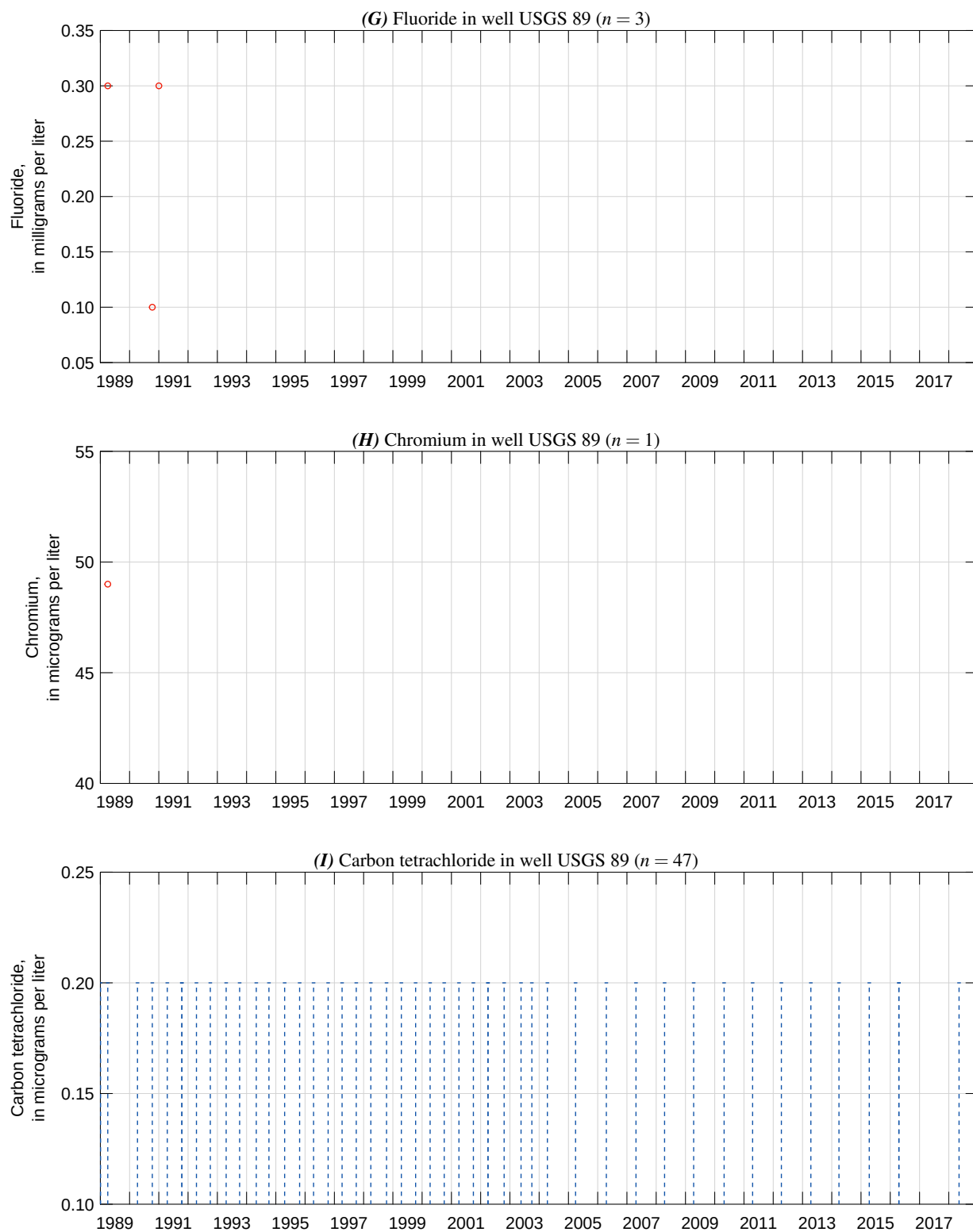
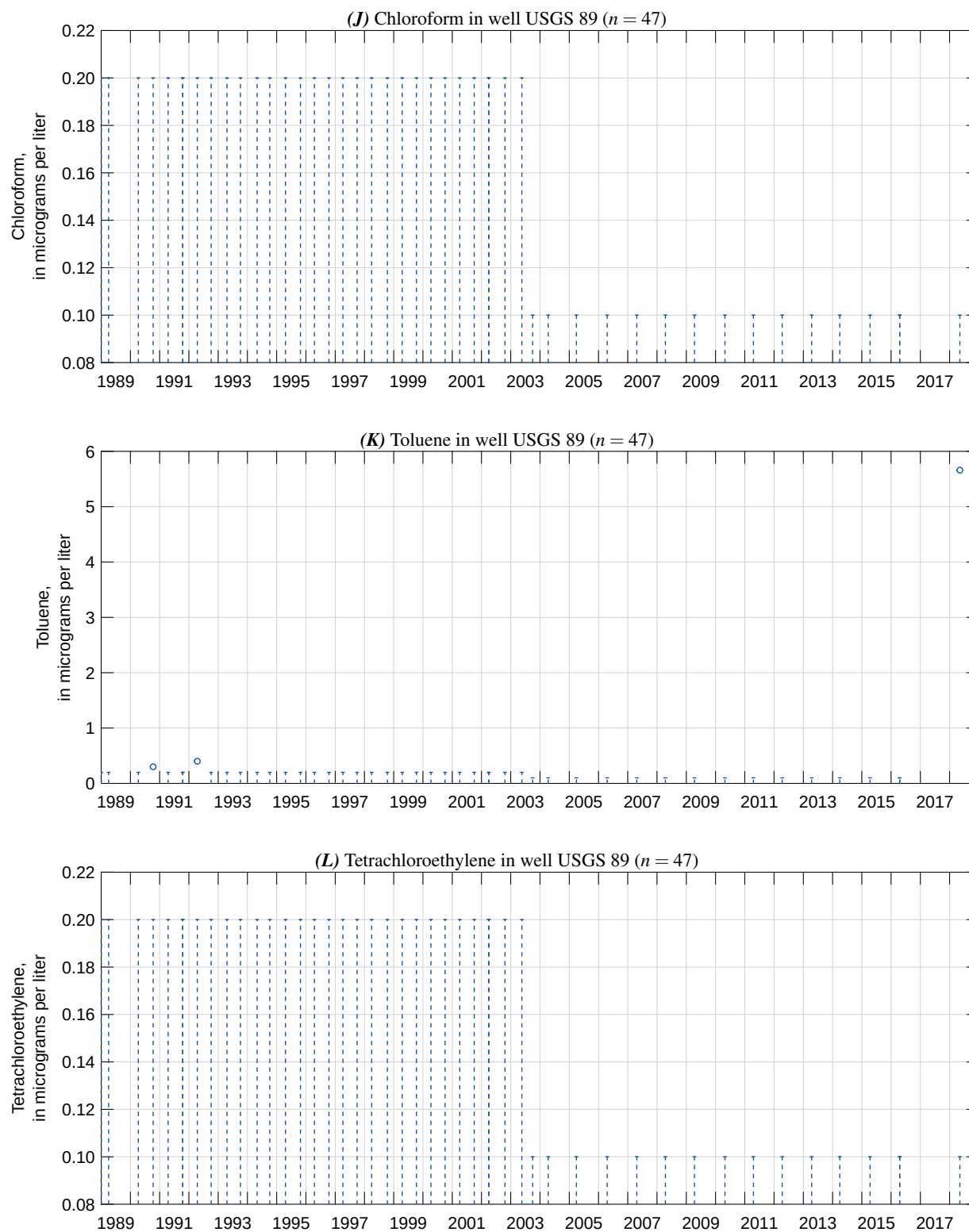


Figure 4.148. —Continued



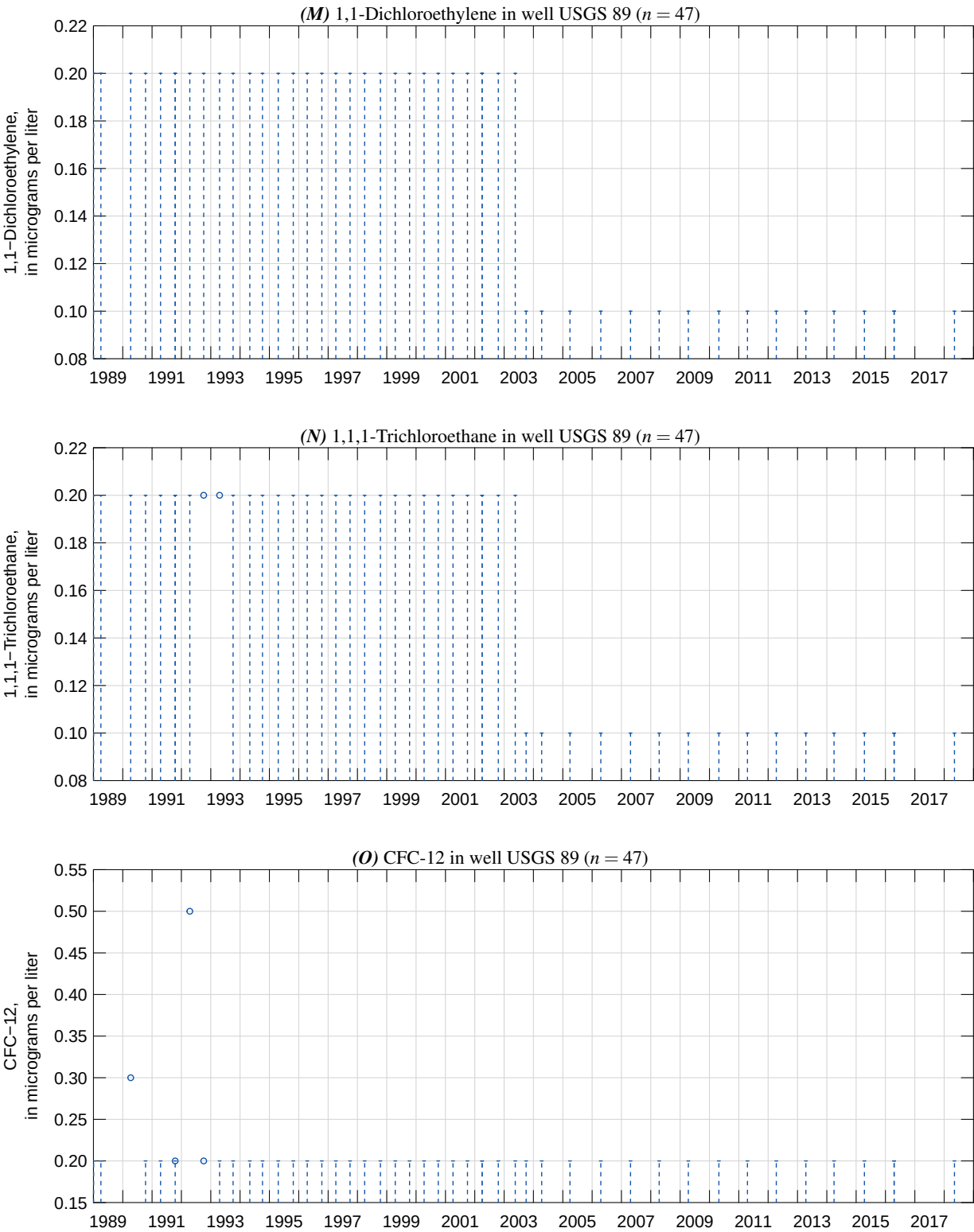


Figure 4.148. —Continued

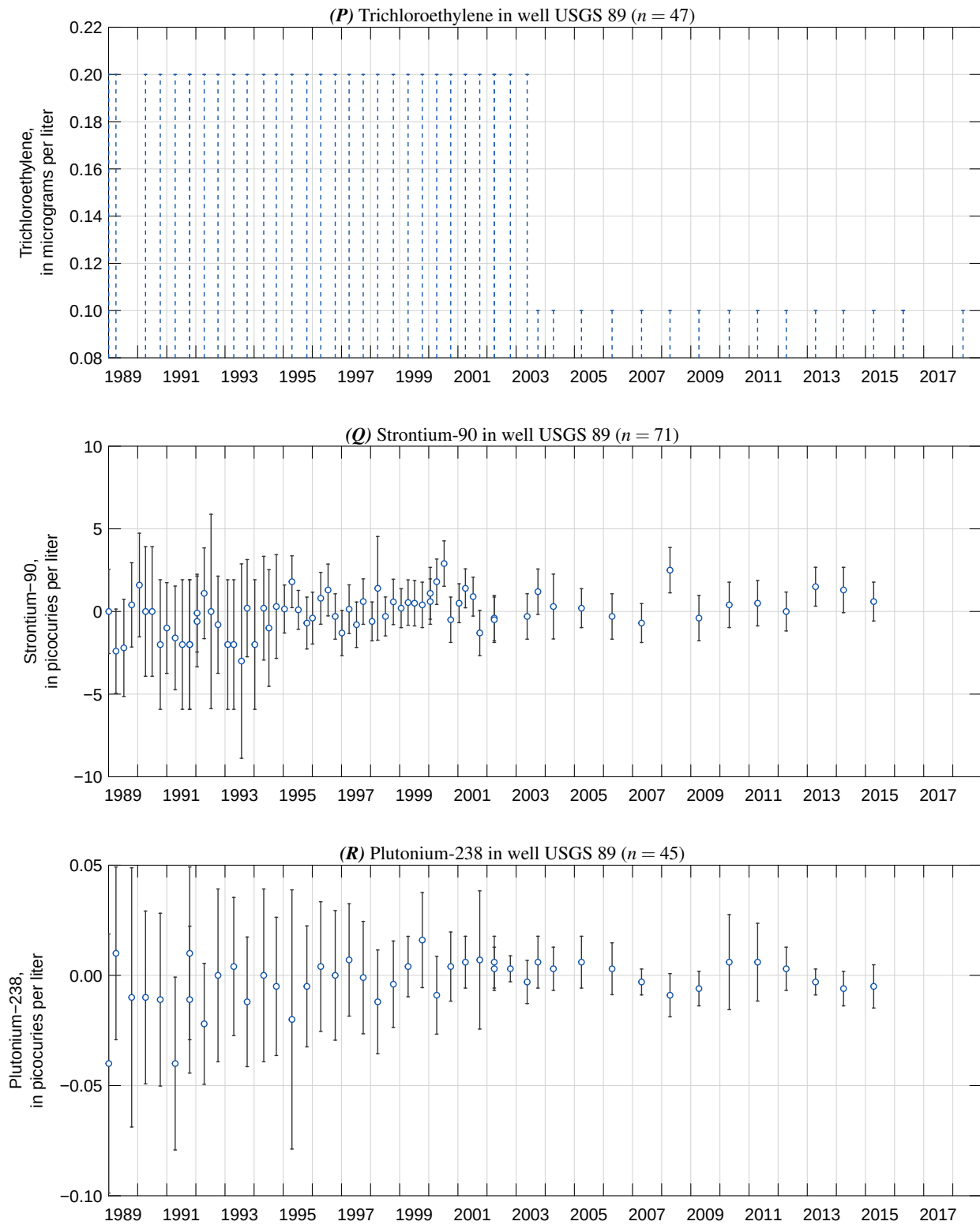


Figure 4.148. —Continued

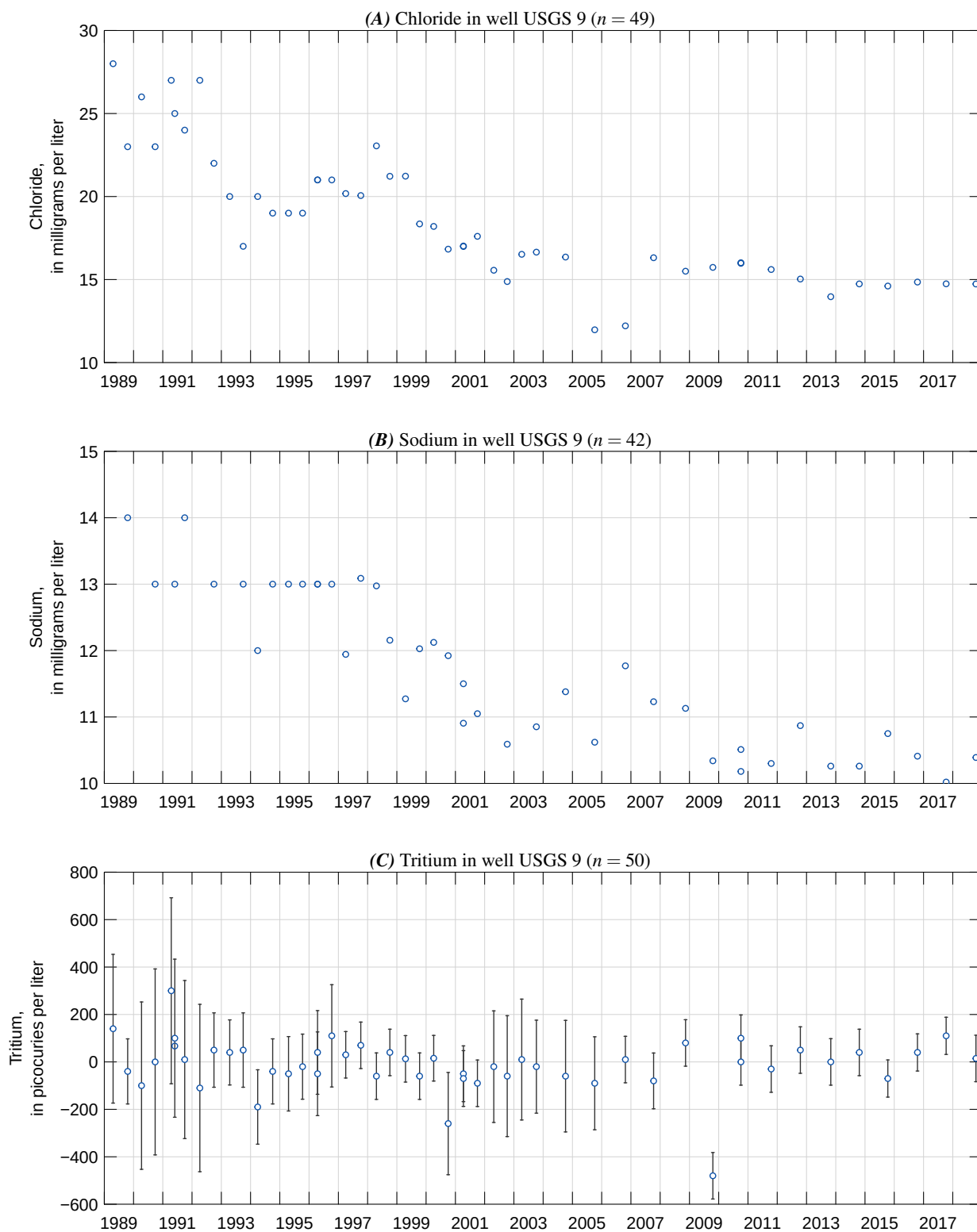


Figure 4.149. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, (R) plutonium-238, (S) alpha particle, and (T) beta particle concentrations in water collected from well USGS 9 (Site No. 432740113044501), Idaho National Laboratory, Idaho, 1989–2018.

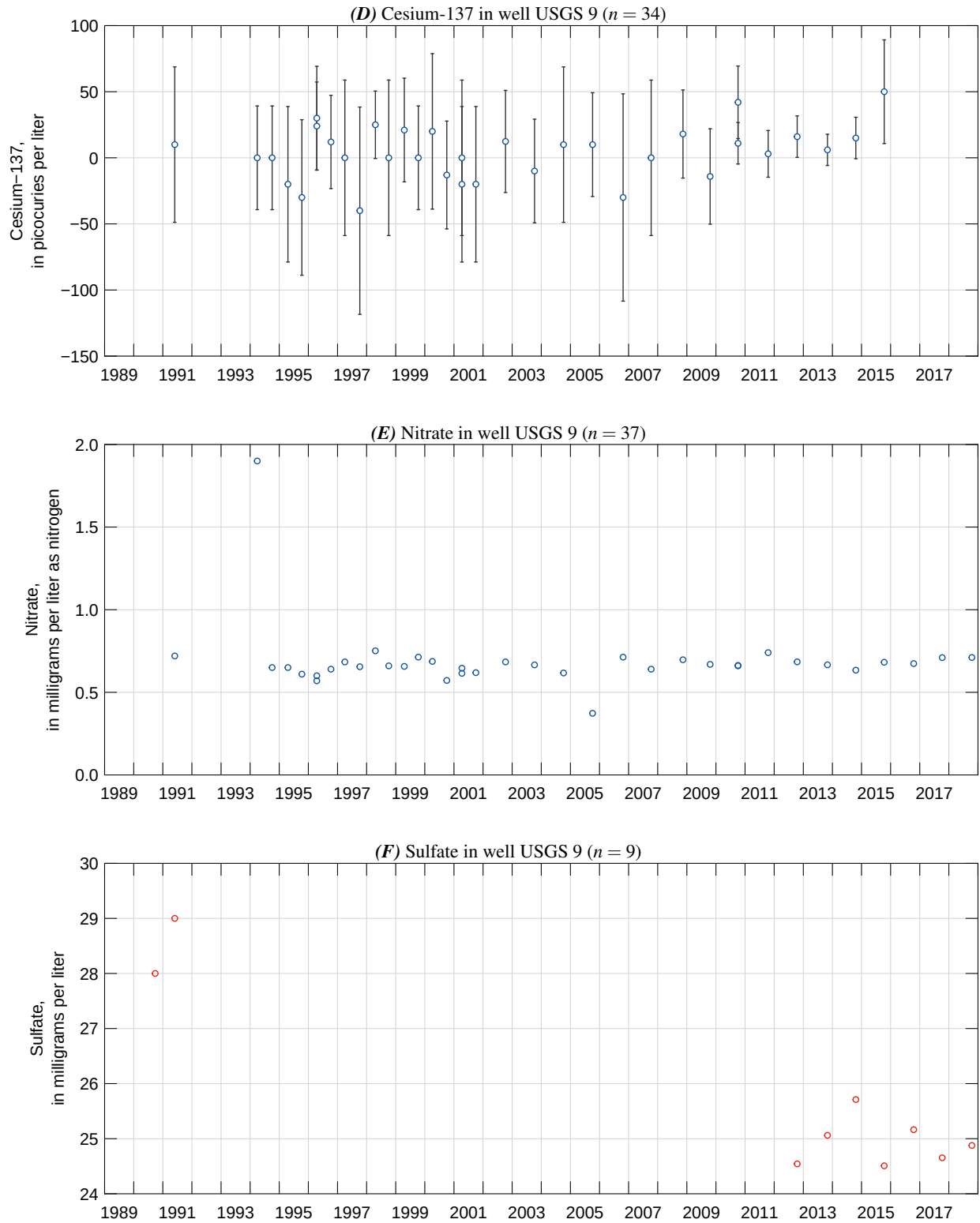


Figure 4.149. —Continued

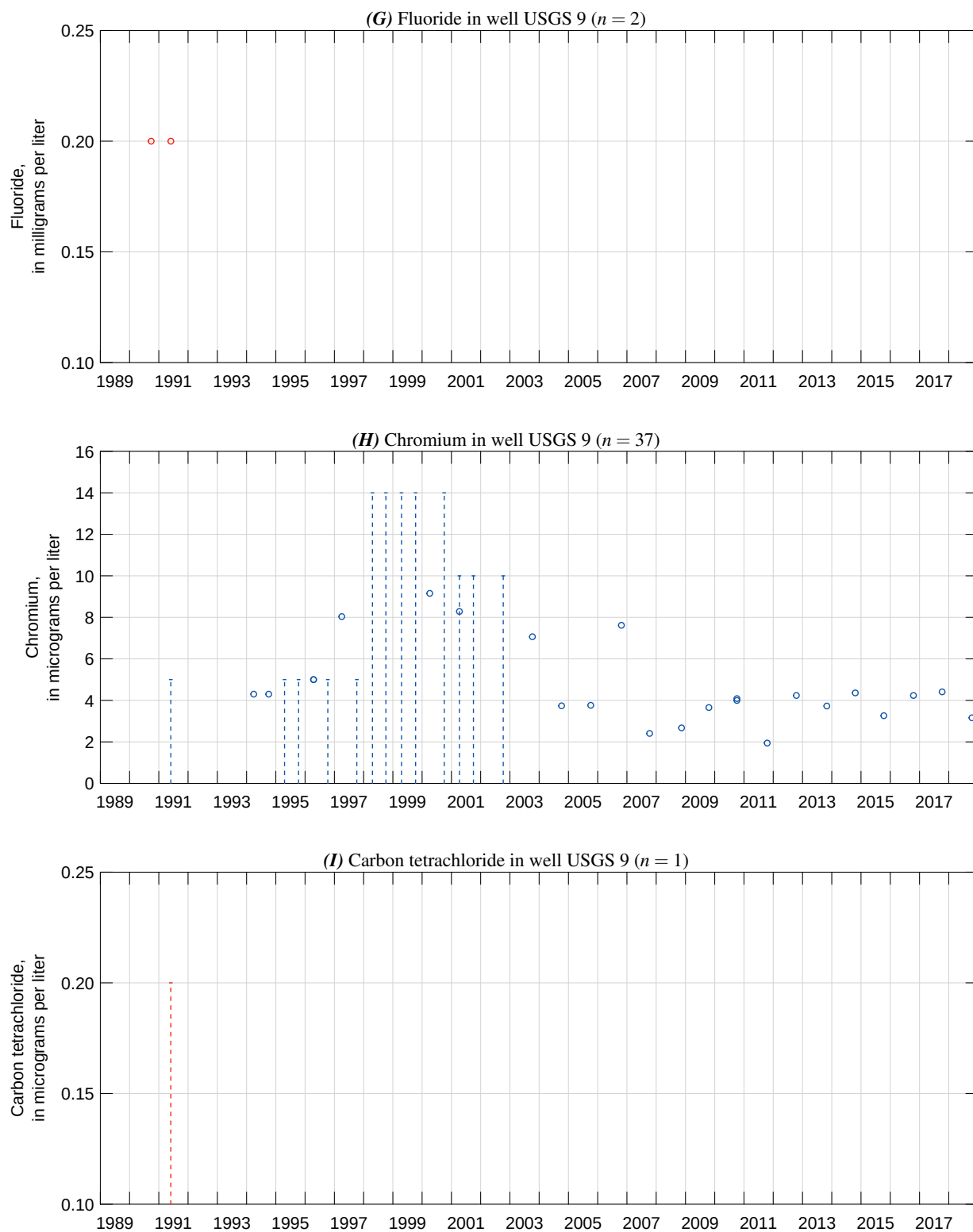


Figure 4.149. —Continued

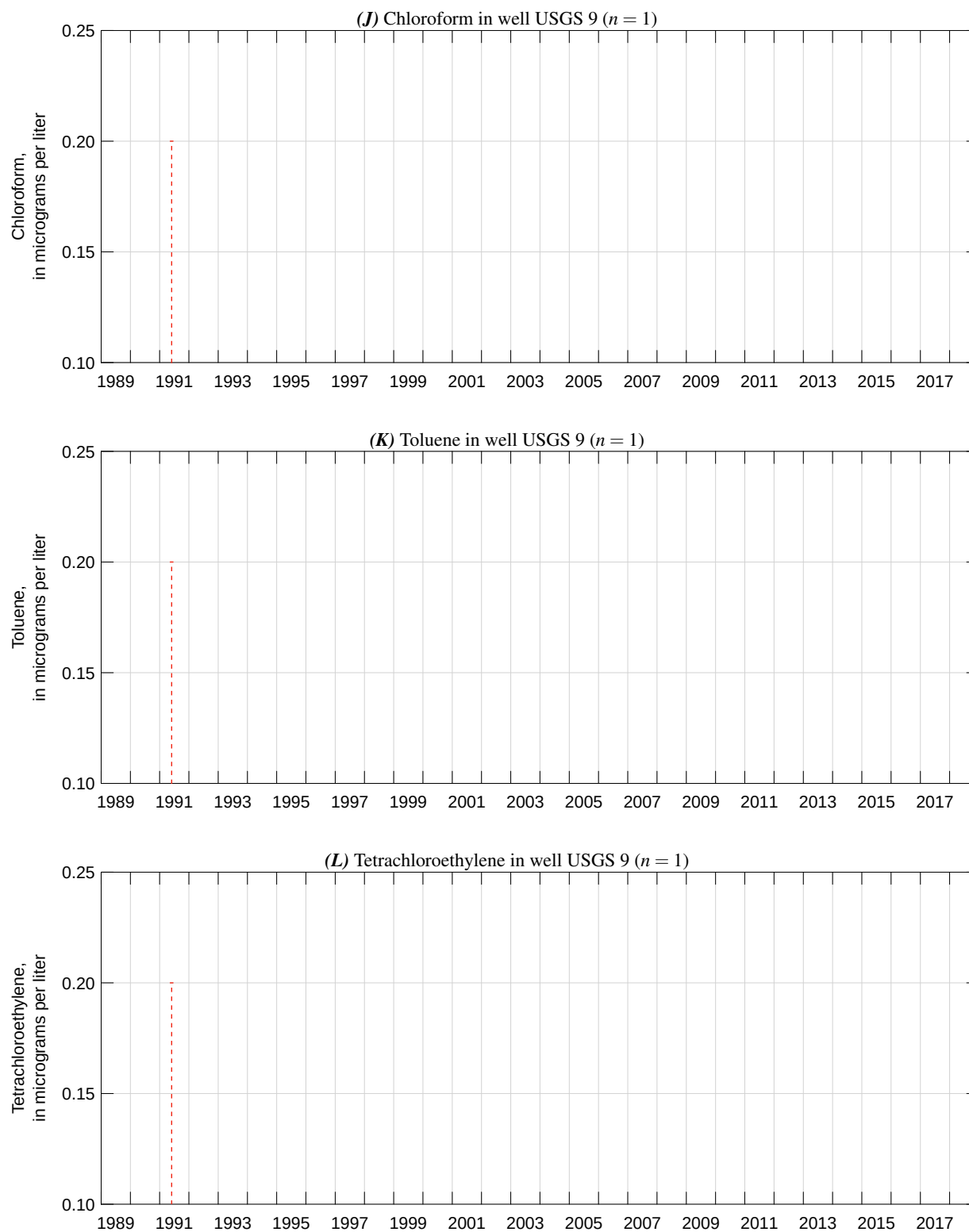


Figure 4.149. —Continued

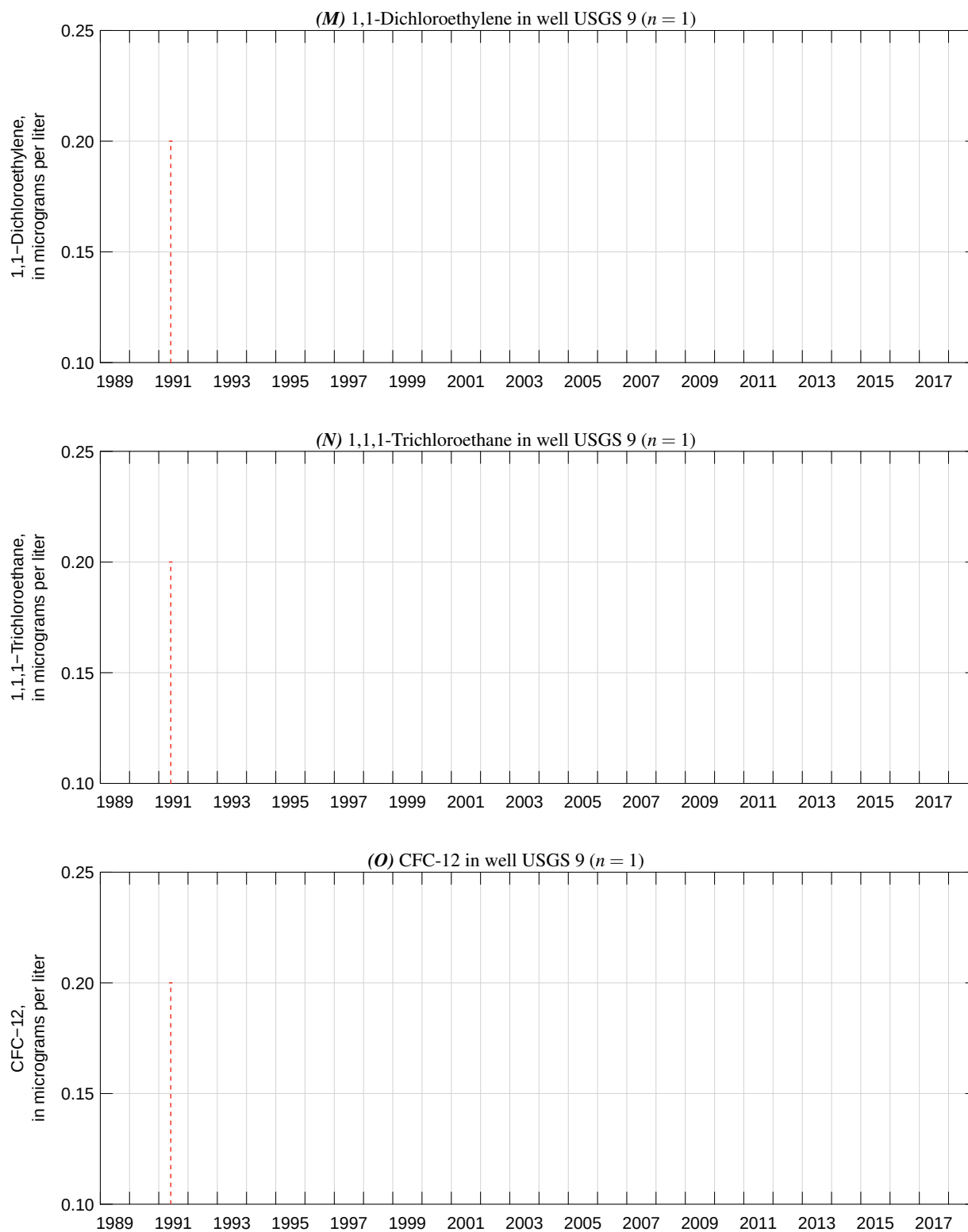


Figure 4.149. —Continued

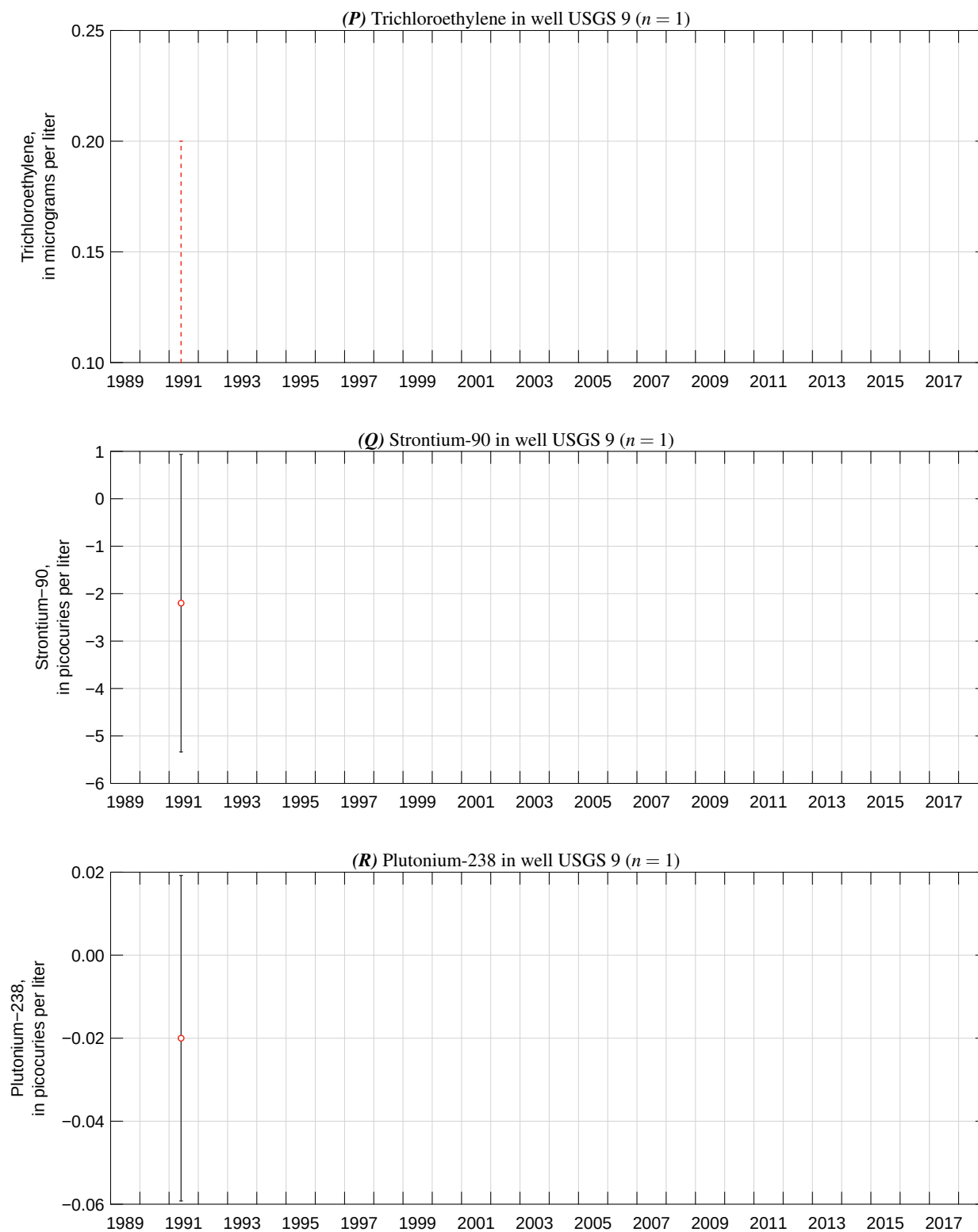


Figure 4.149. —Continued

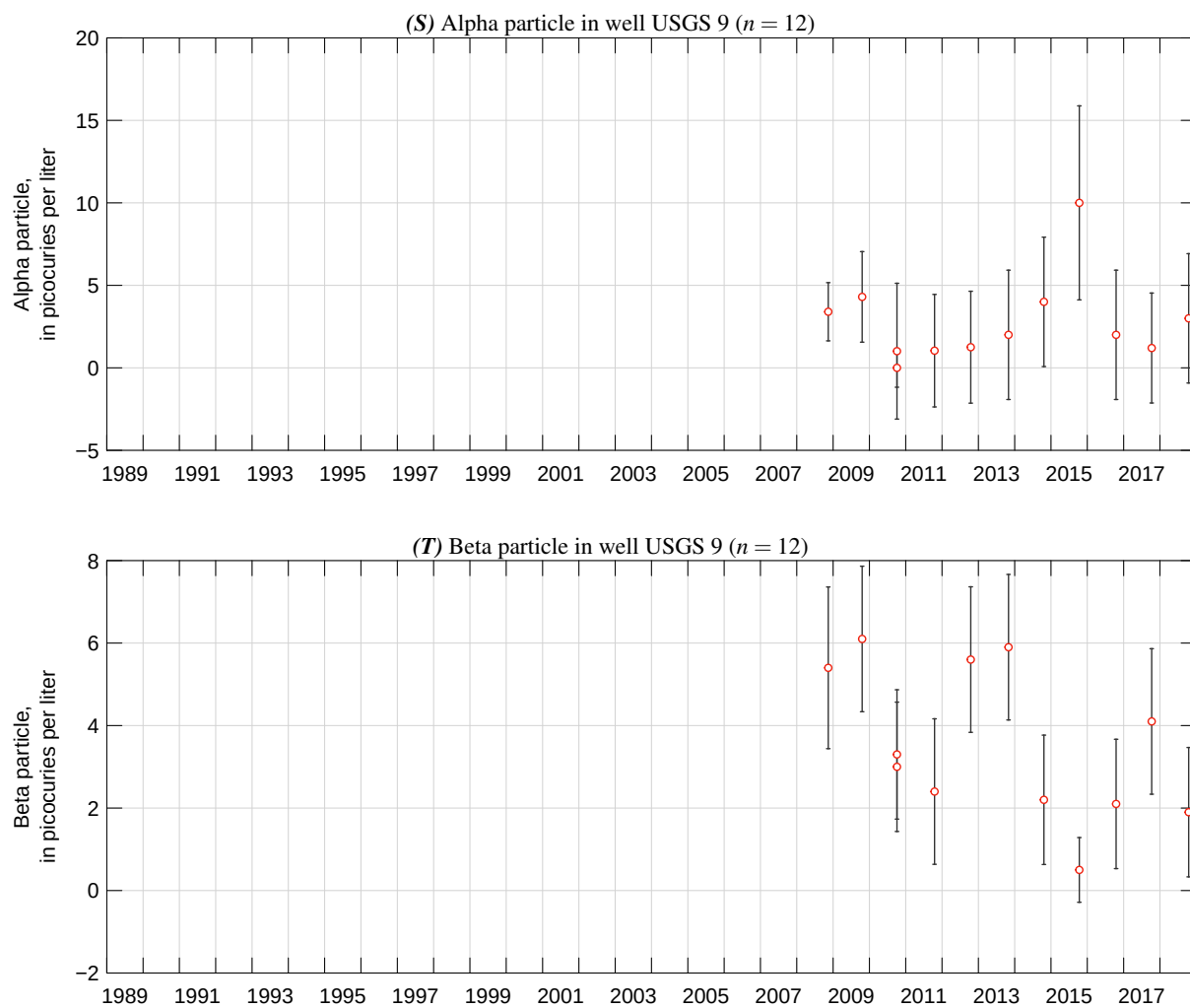


Figure 4.149. —Continued

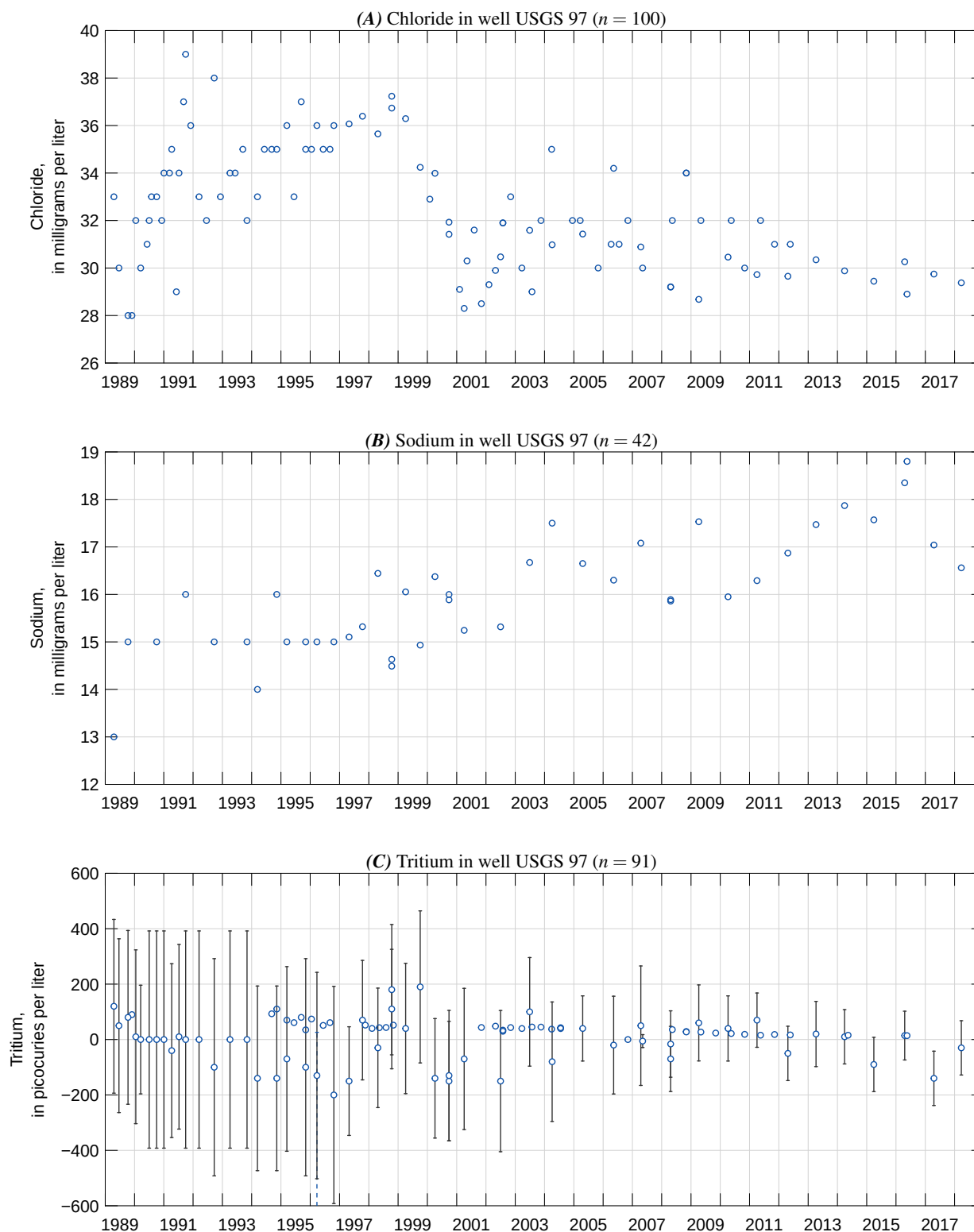


Figure 4.150. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, (R) plutonium-238, (S) alpha particle, and (T) beta particle concentrations in water collected from well USGS 97 (Site No. 433807112551501), Idaho National Laboratory, Idaho, 1989–2018.

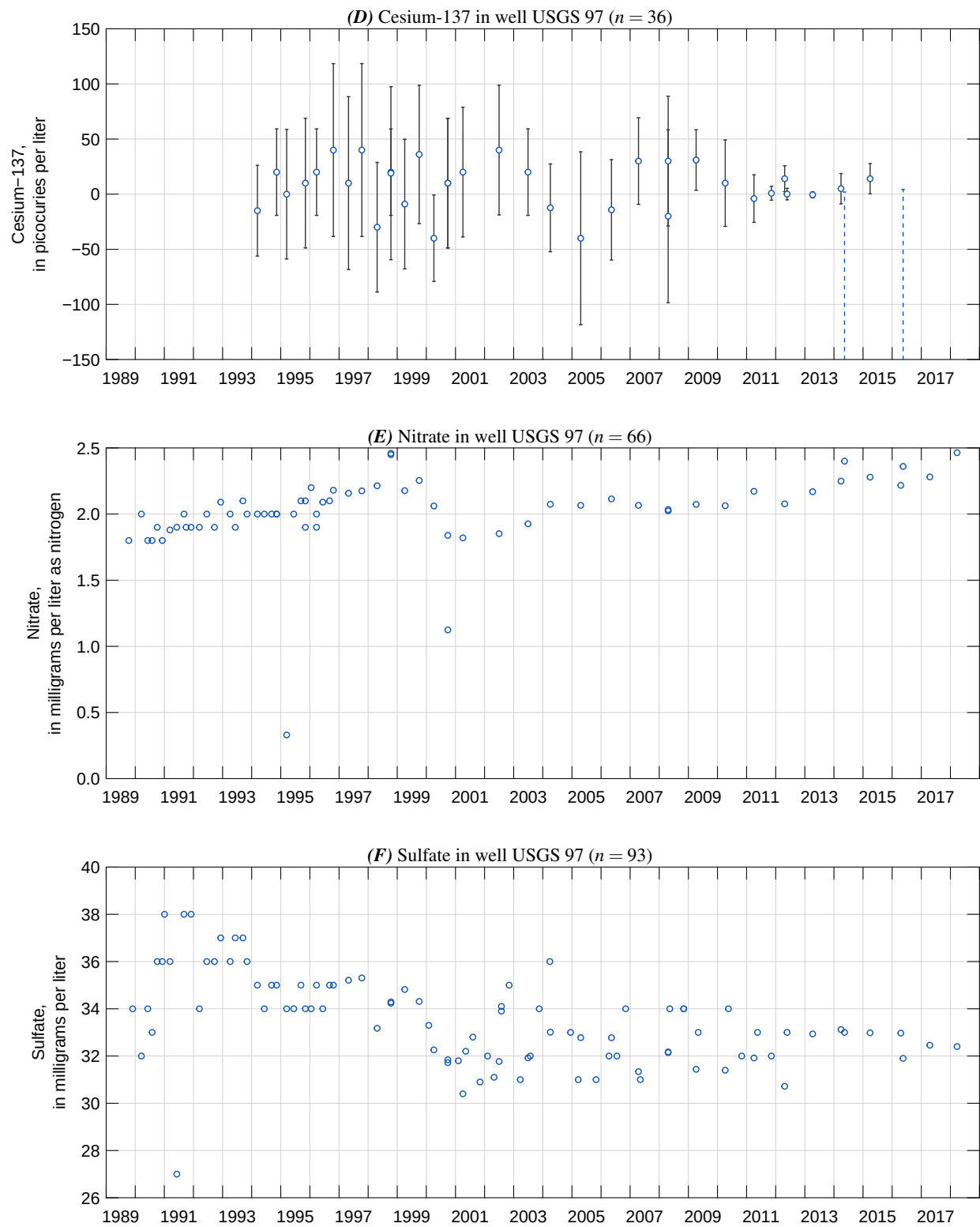


Figure 4.150. —Continued

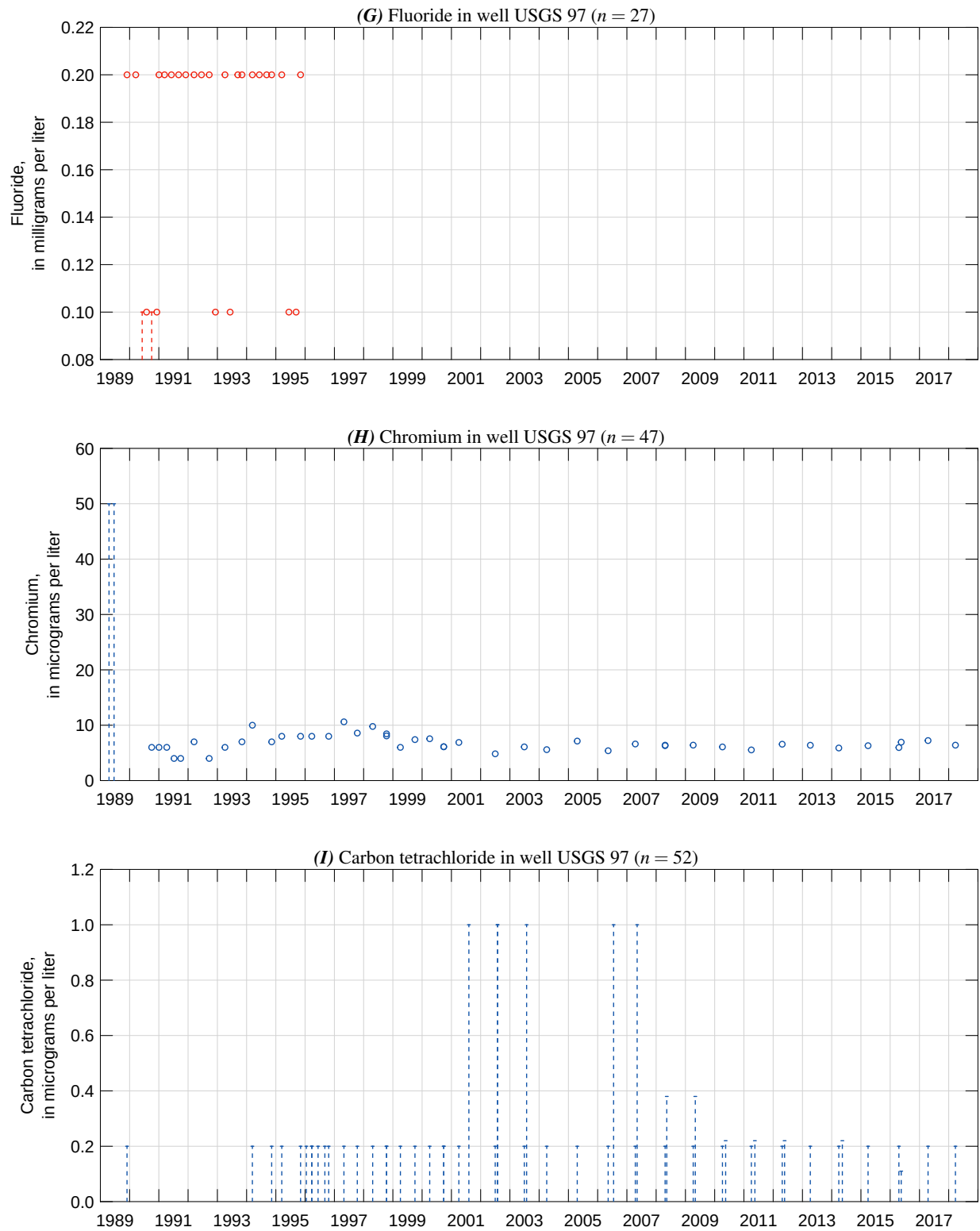


Figure 4.150. —Continued

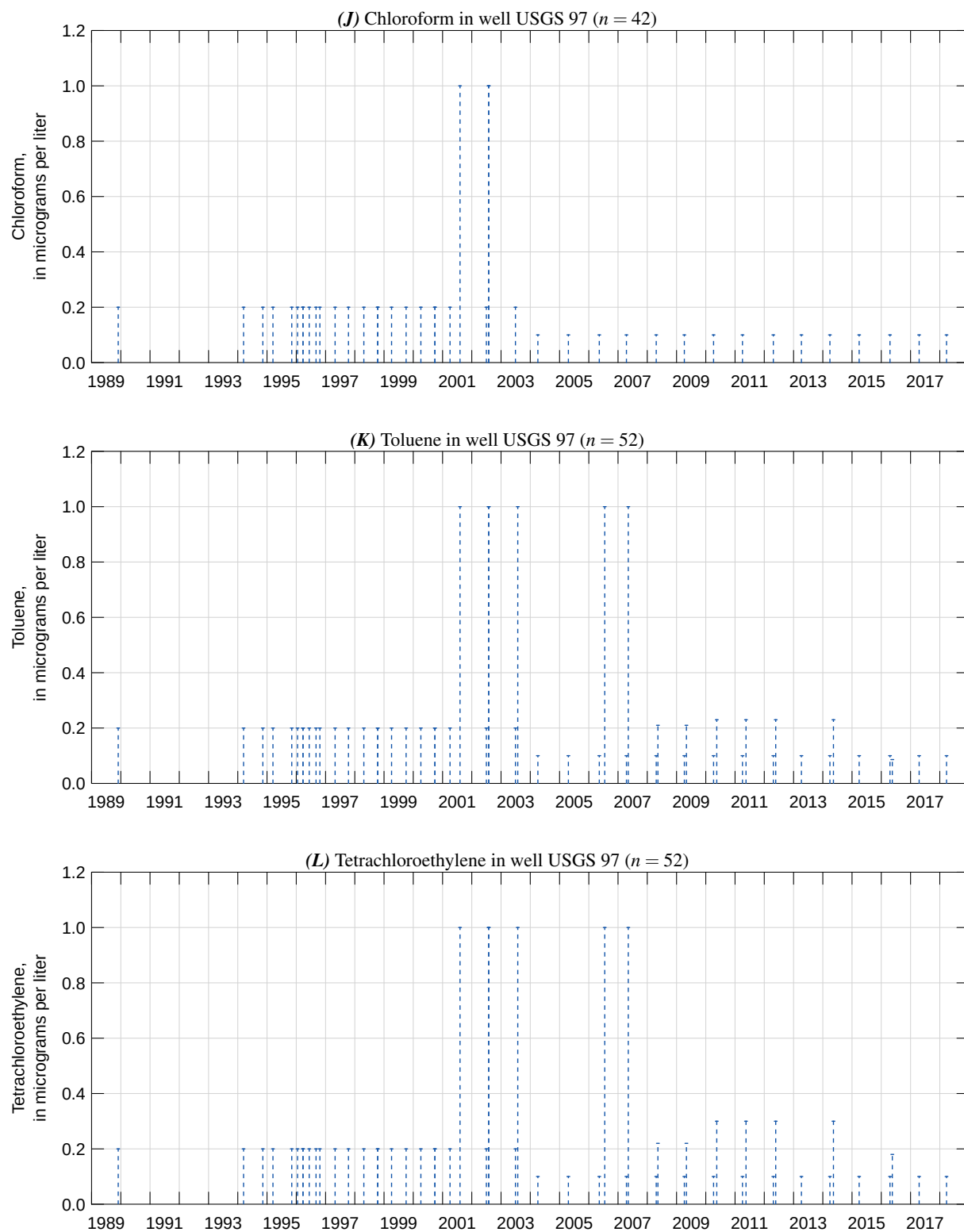


Figure 4.150. —Continued

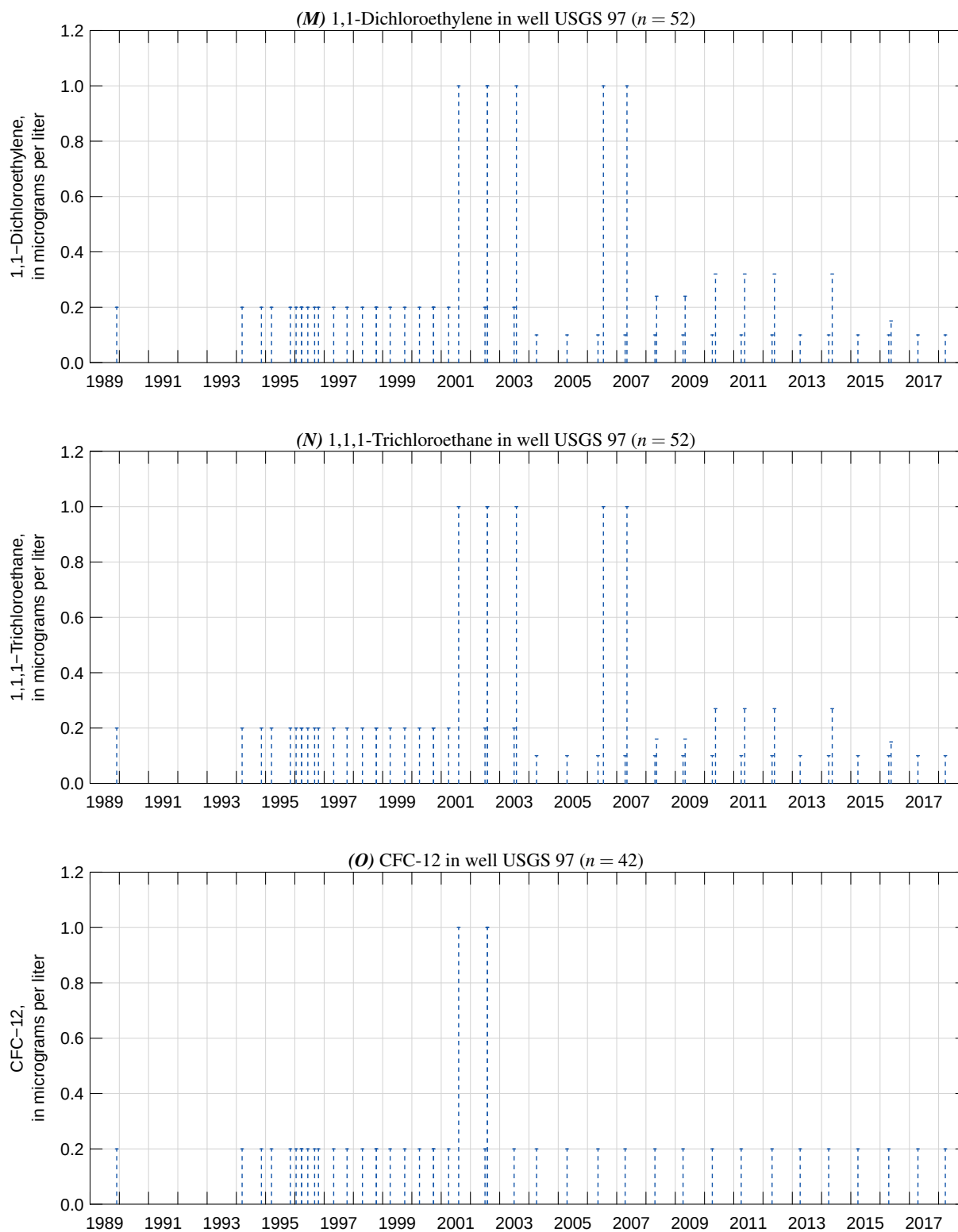


Figure 4.150. —Continued

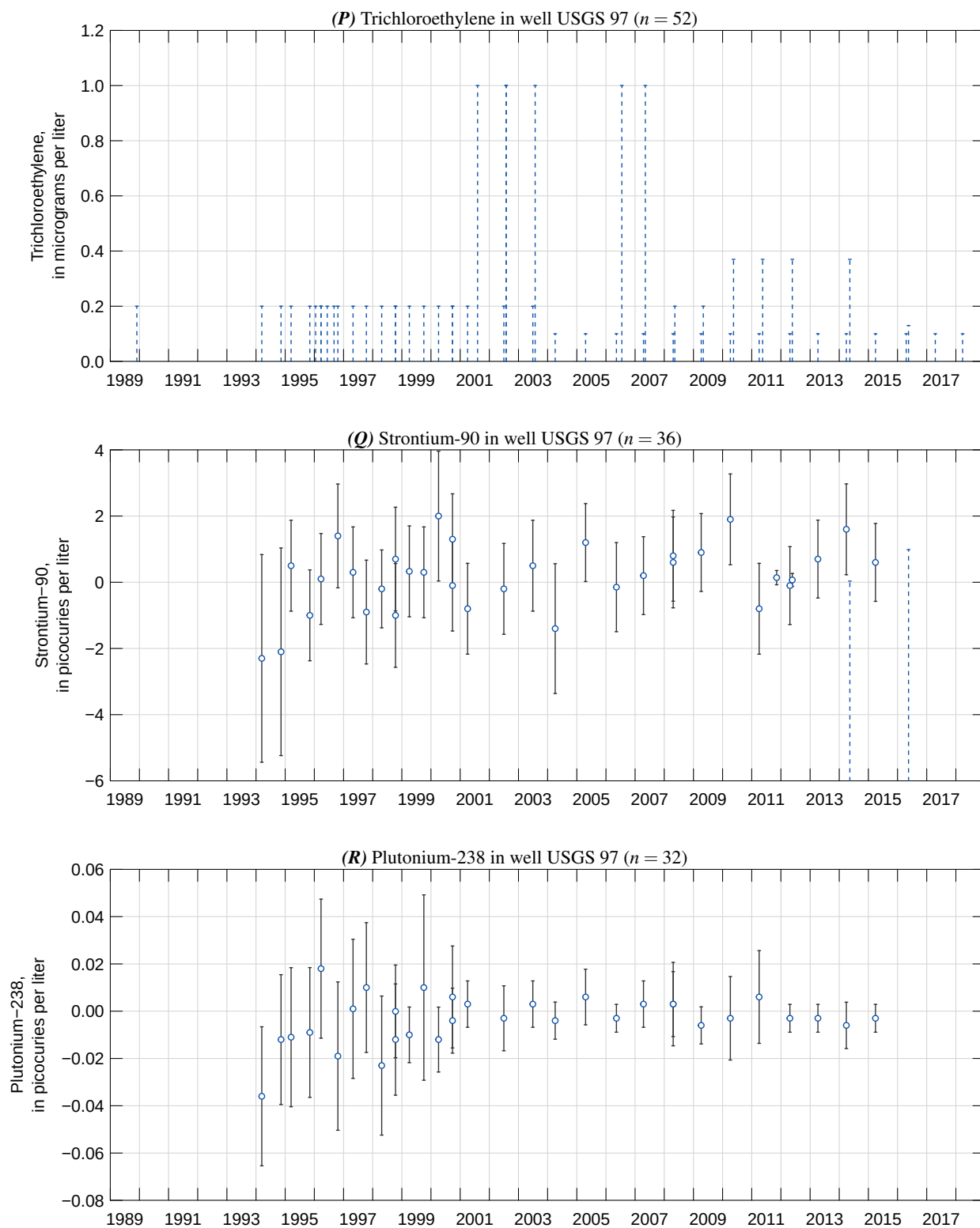


Figure 4.150. —Continued

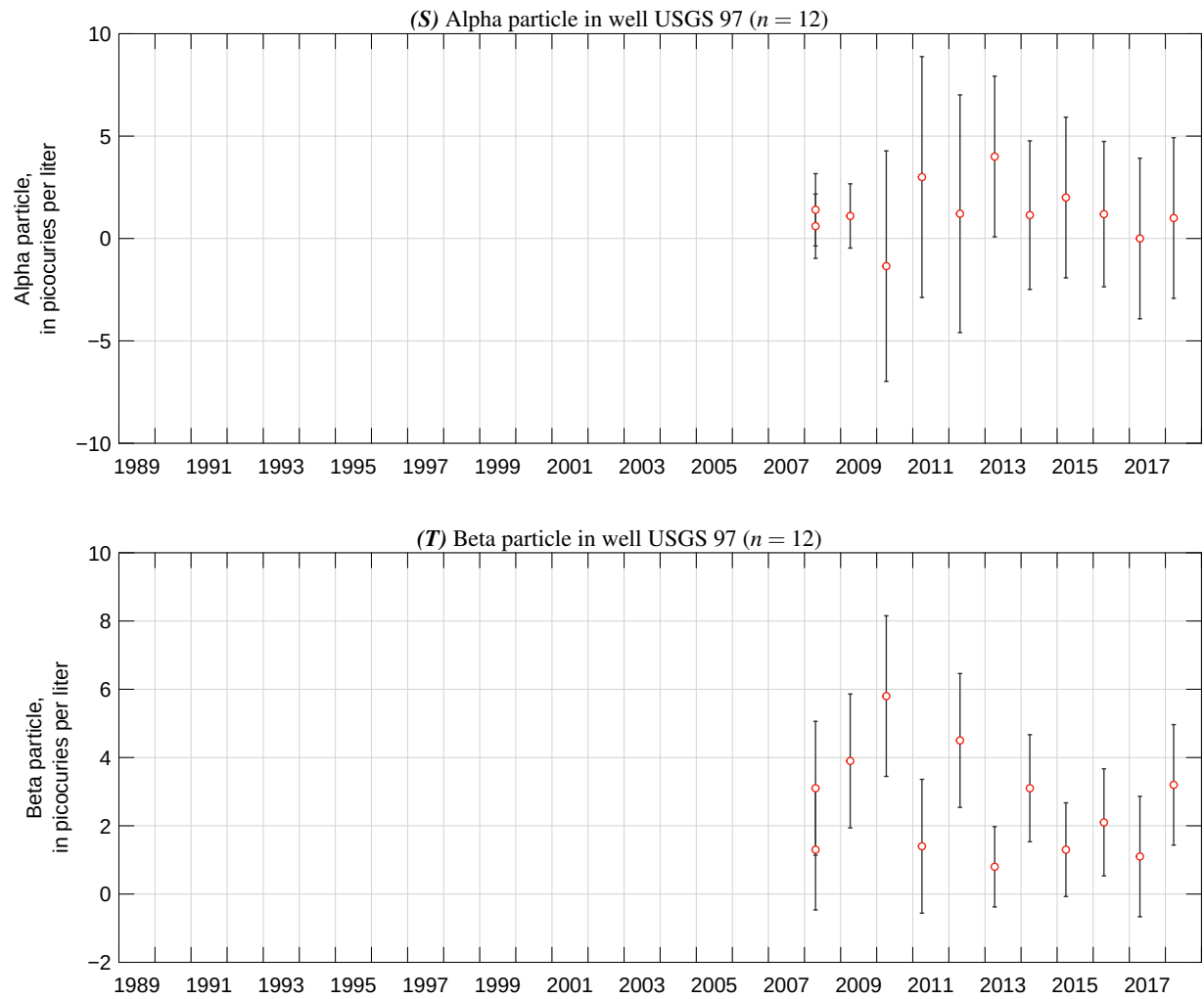


Figure 4.150. —Continued

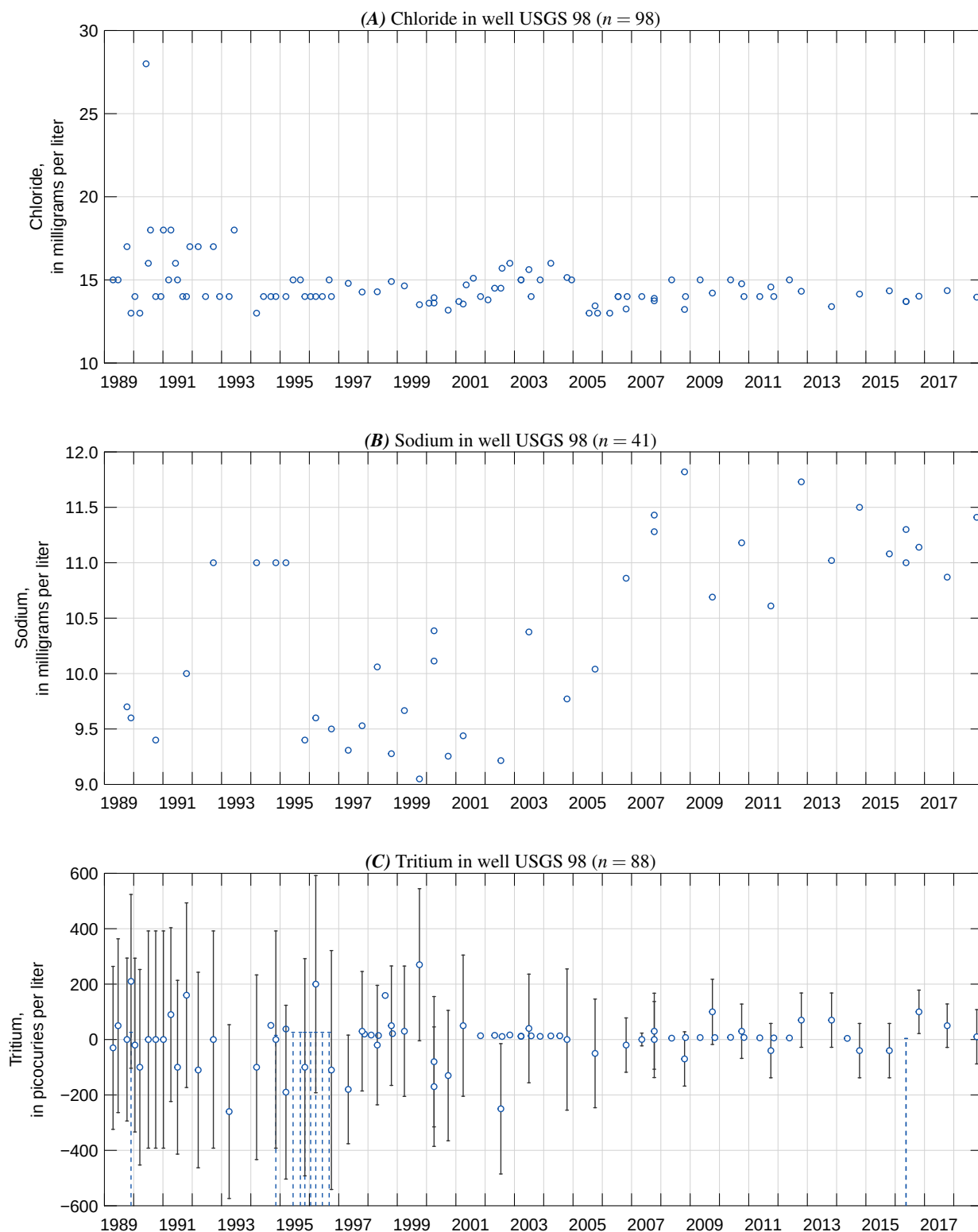


Figure 4.151. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, (R) plutonium-238, (S) alpha particle, and (T) beta particle concentrations in water collected from well USGS 98 (Site No. 433657112563601), Idaho National Laboratory, Idaho, 1989–2018.

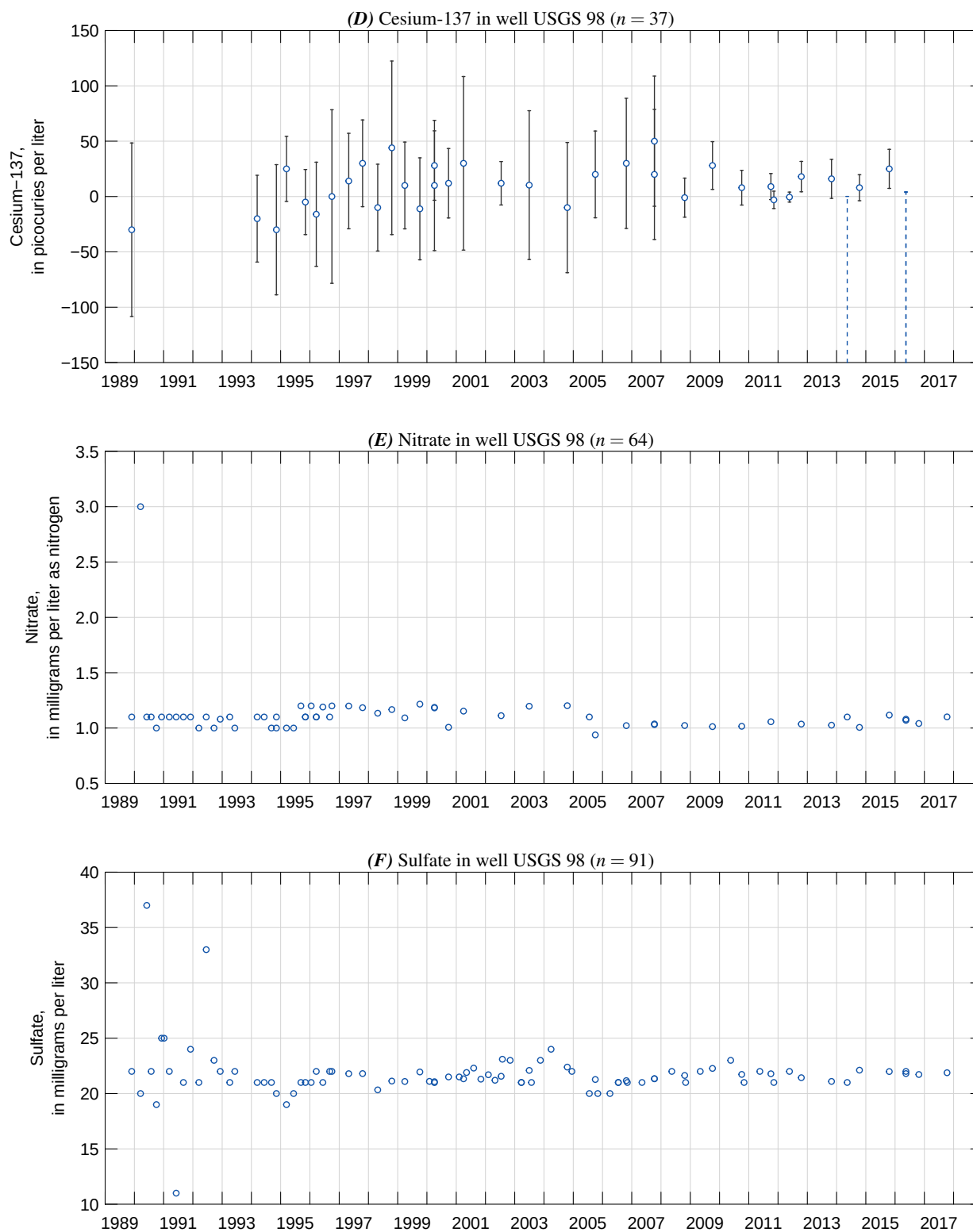


Figure 4.151. —Continued

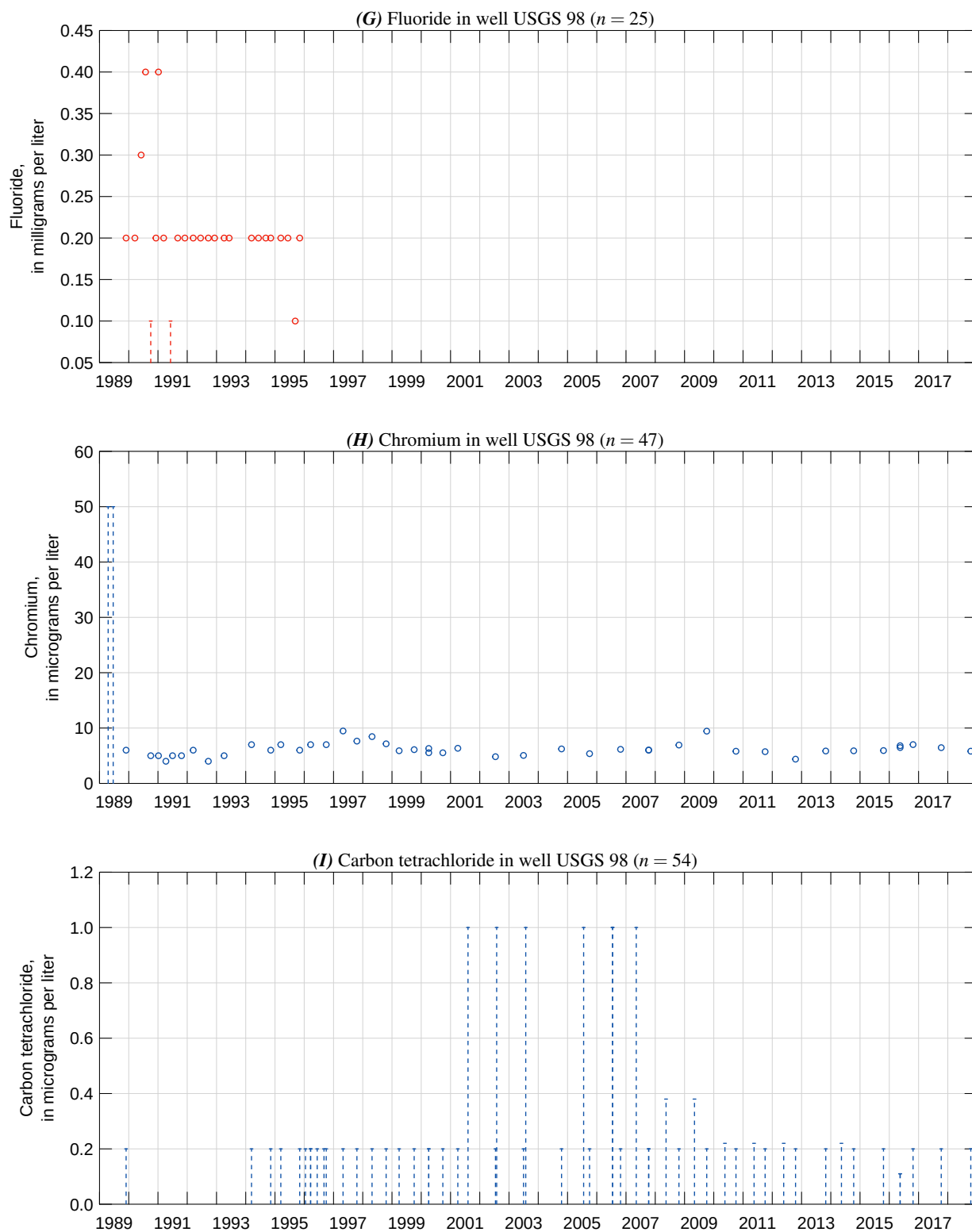


Figure 4.151. —Continued

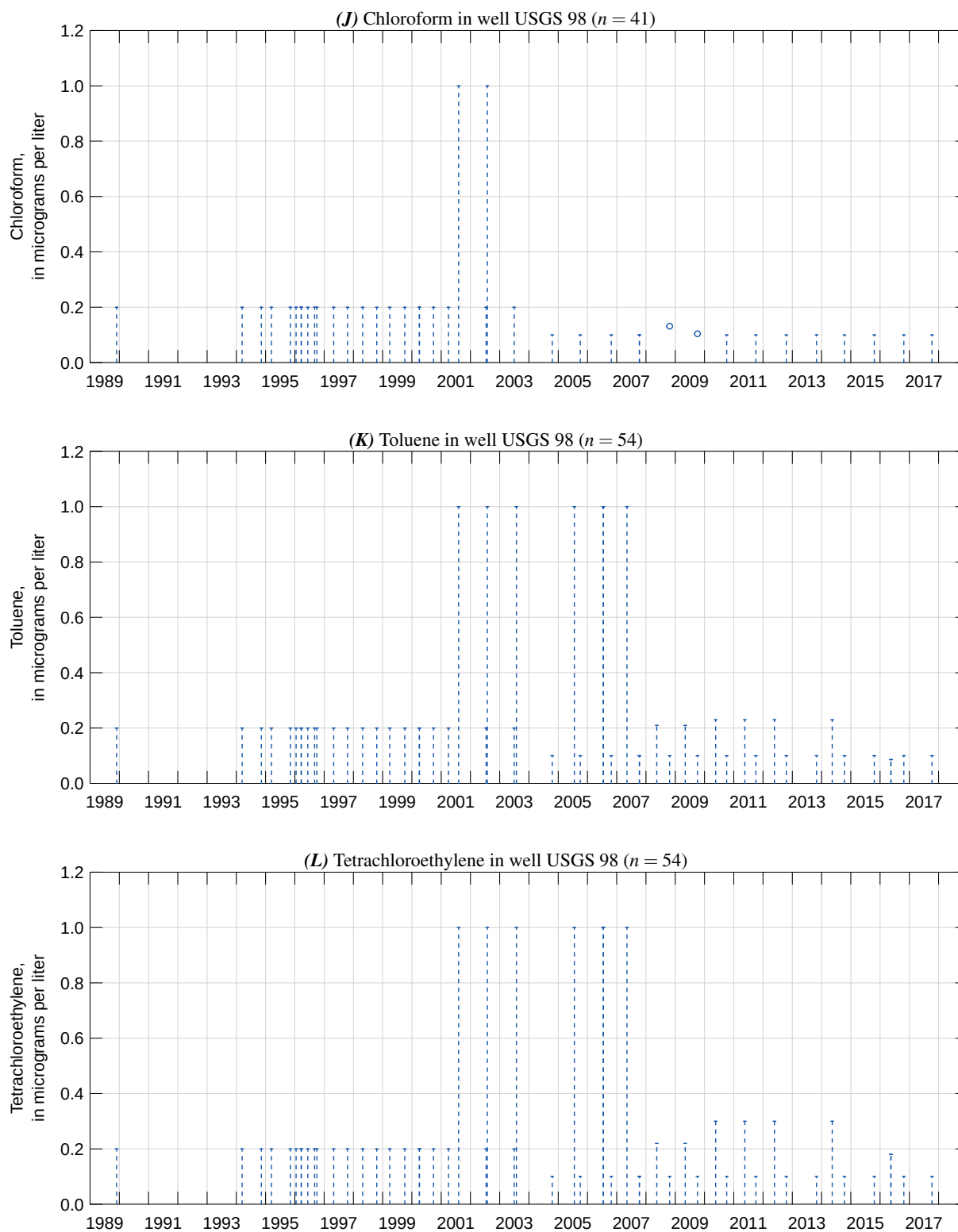


Figure 4.151. —Continued

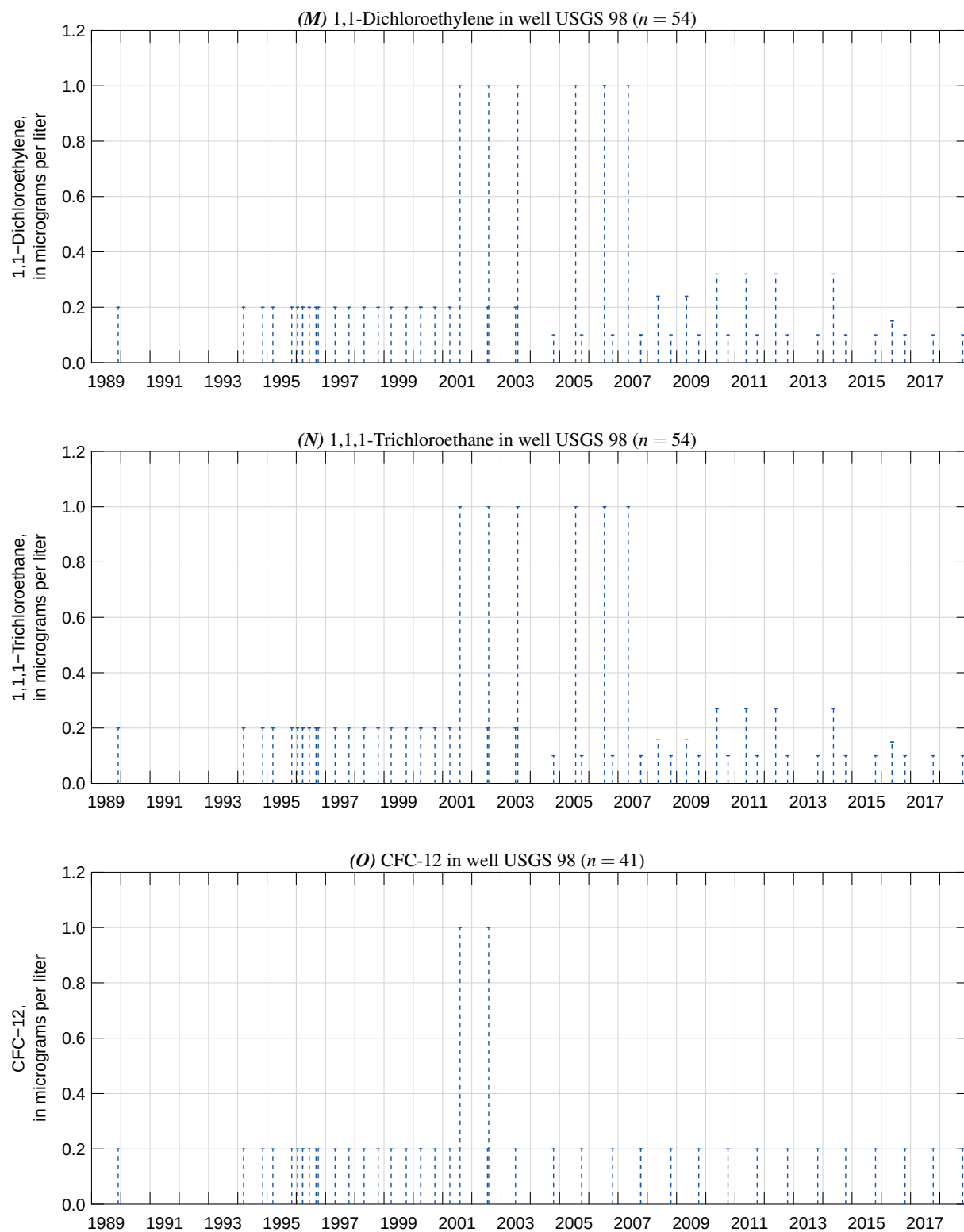


Figure 4.151. —Continued

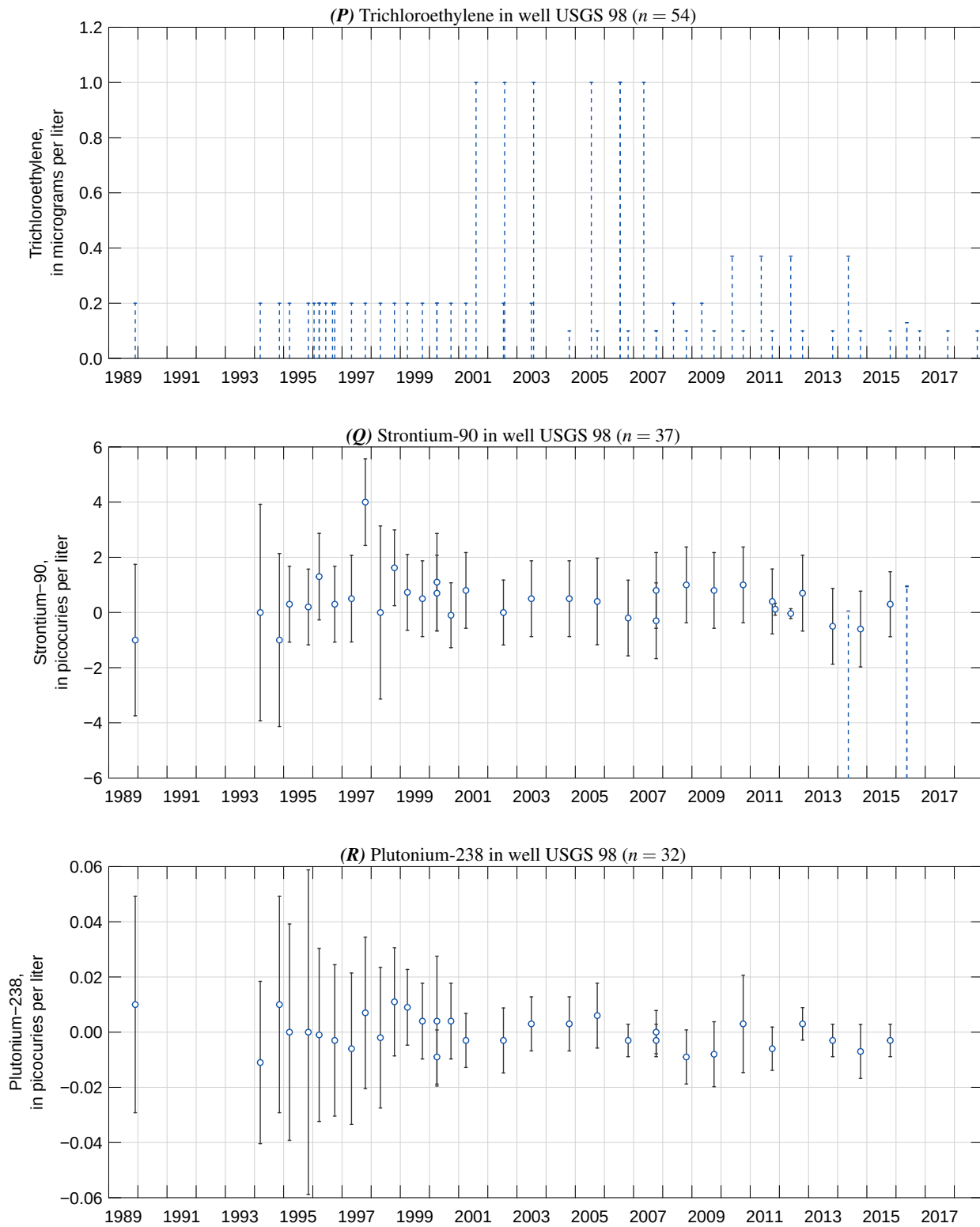


Figure 4.151. —Continued

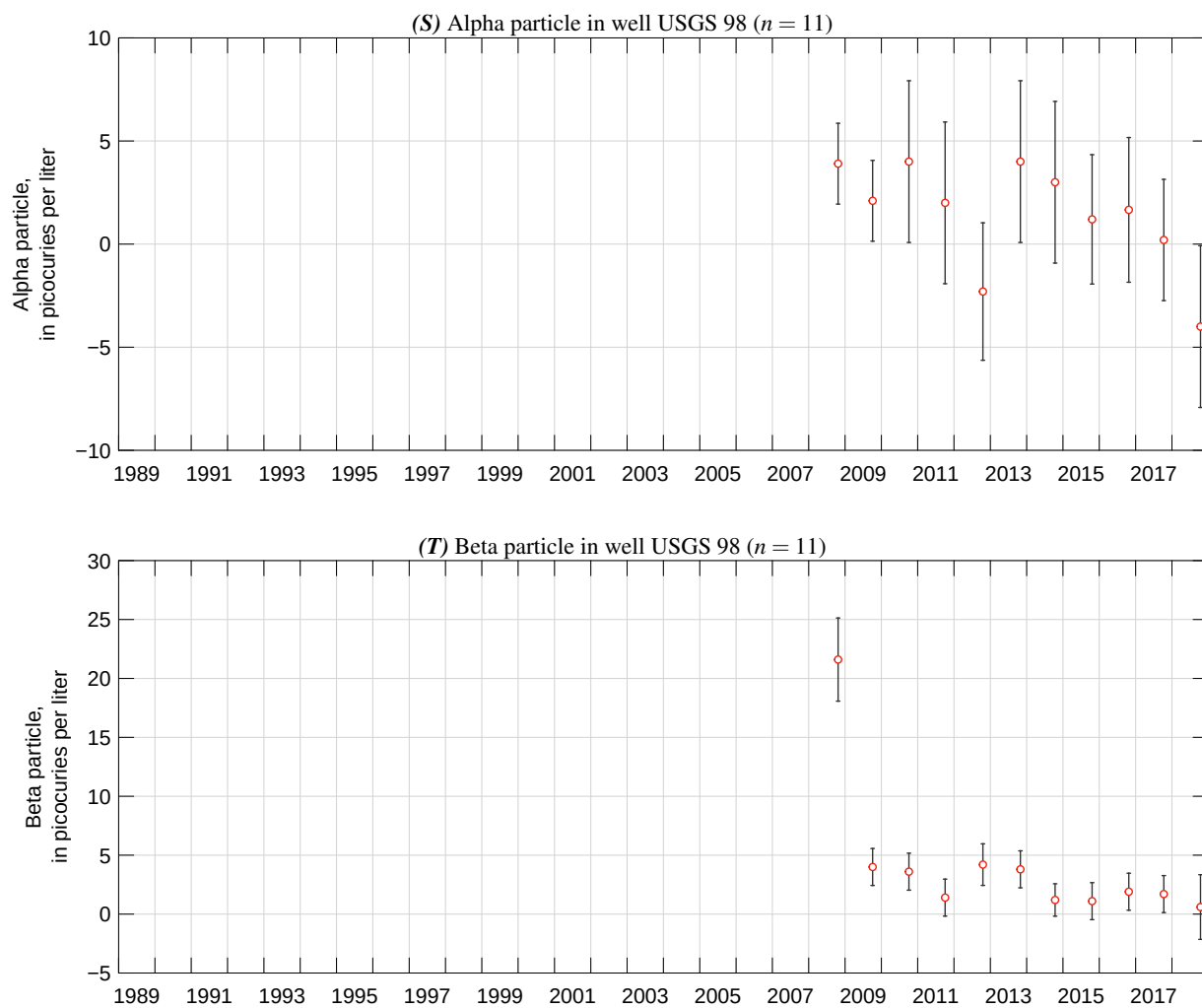


Figure 4.151. —Continued

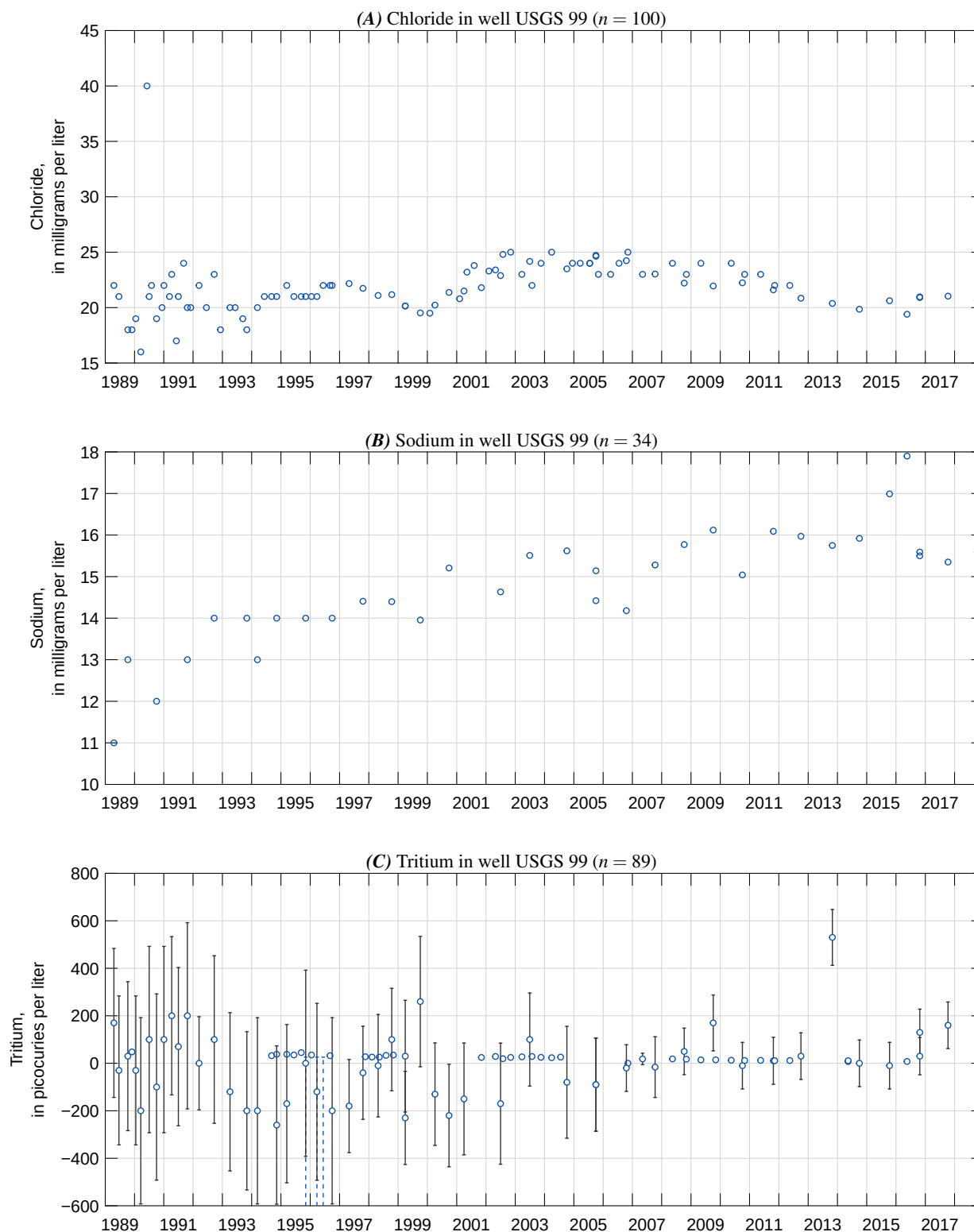


Figure 4.152. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) cesium-137, (E) nitrate, (F) sulfate, (G) fluoride, (H) chromium, (I) carbon tetrachloride, (J) chloroform, (K) toluene, (L) tetrachloroethylene, (M) 1,1-dichloroethylene, (N) 1,1,1-trichloroethane, (O) cfc-12, (P) trichloroethylene, (Q) strontium-90, and (R) plutonium-238 concentrations in water collected from well USGS 99 (Site No. 433705112552101), Idaho National Laboratory, Idaho, 1989–2018.

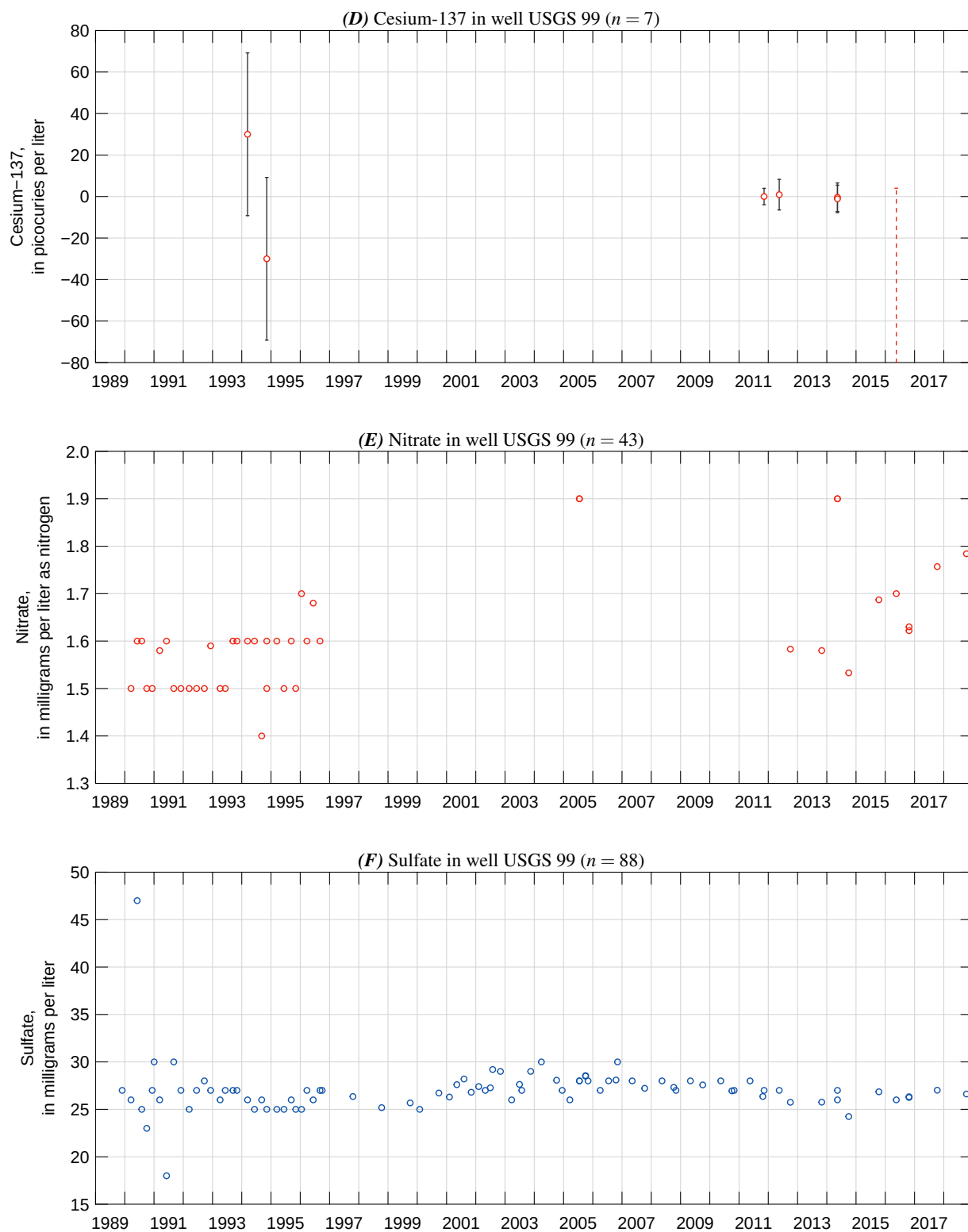


Figure 4.152. —Continued

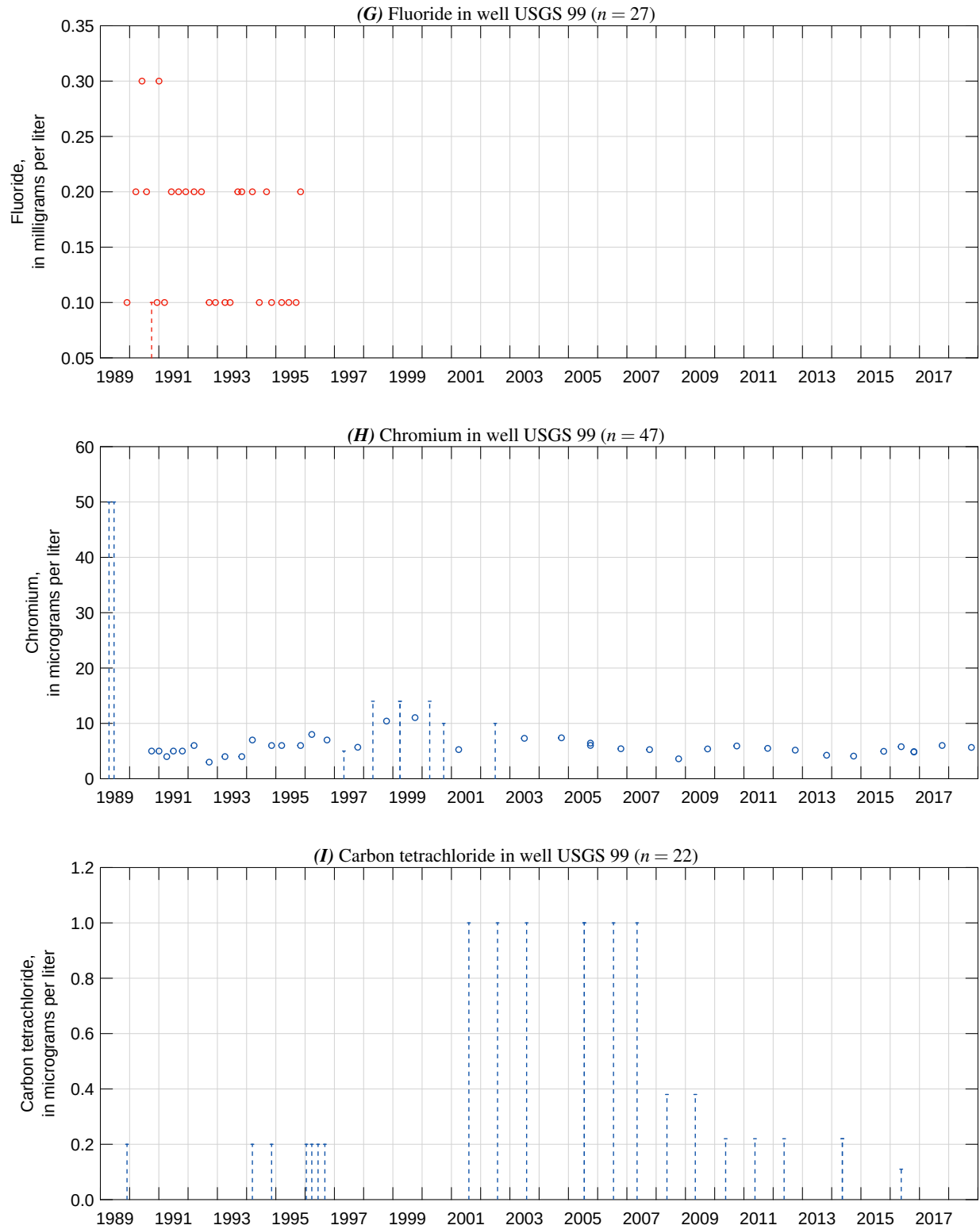


Figure 4.152. —Continued

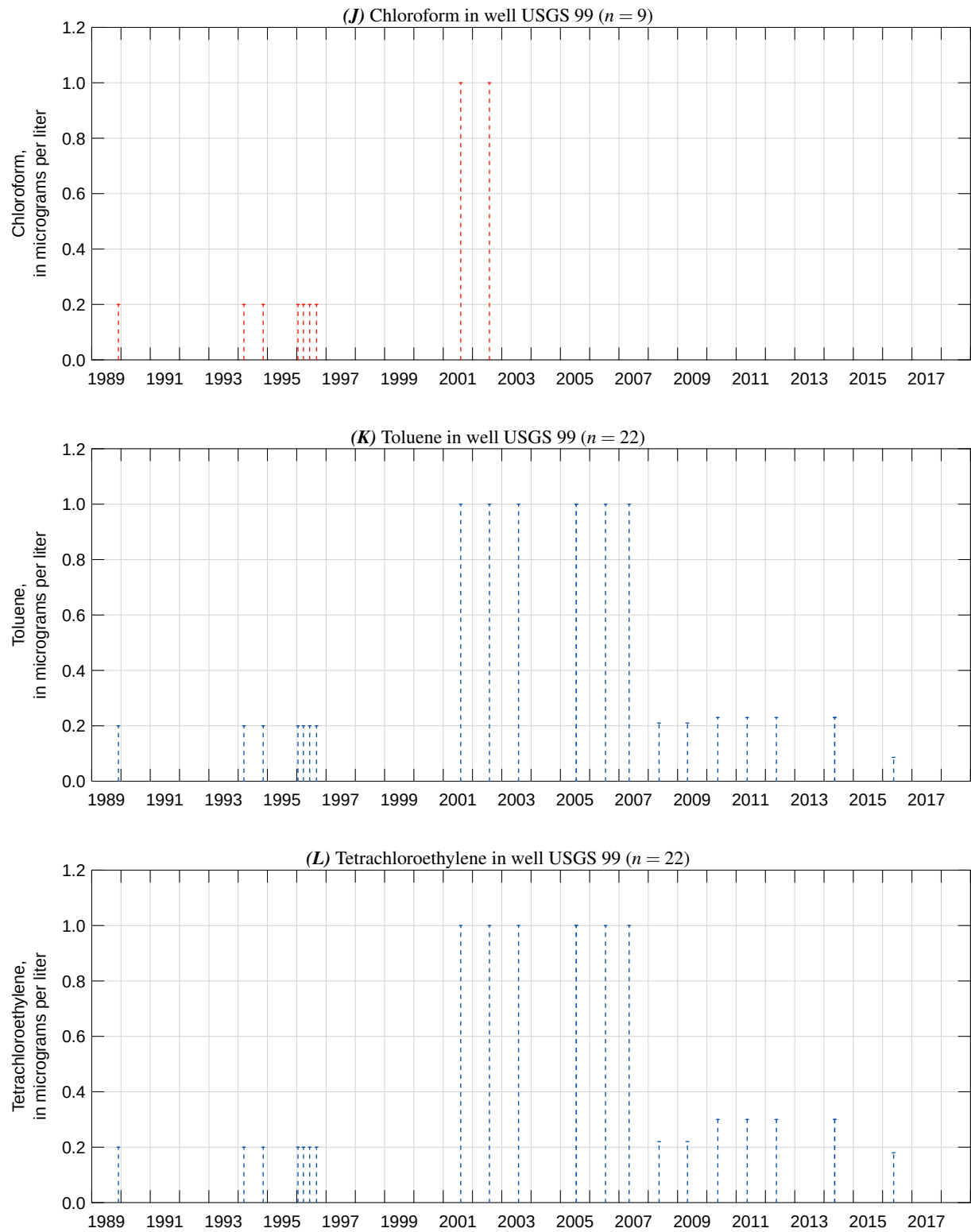


Figure 4.152. —Continued

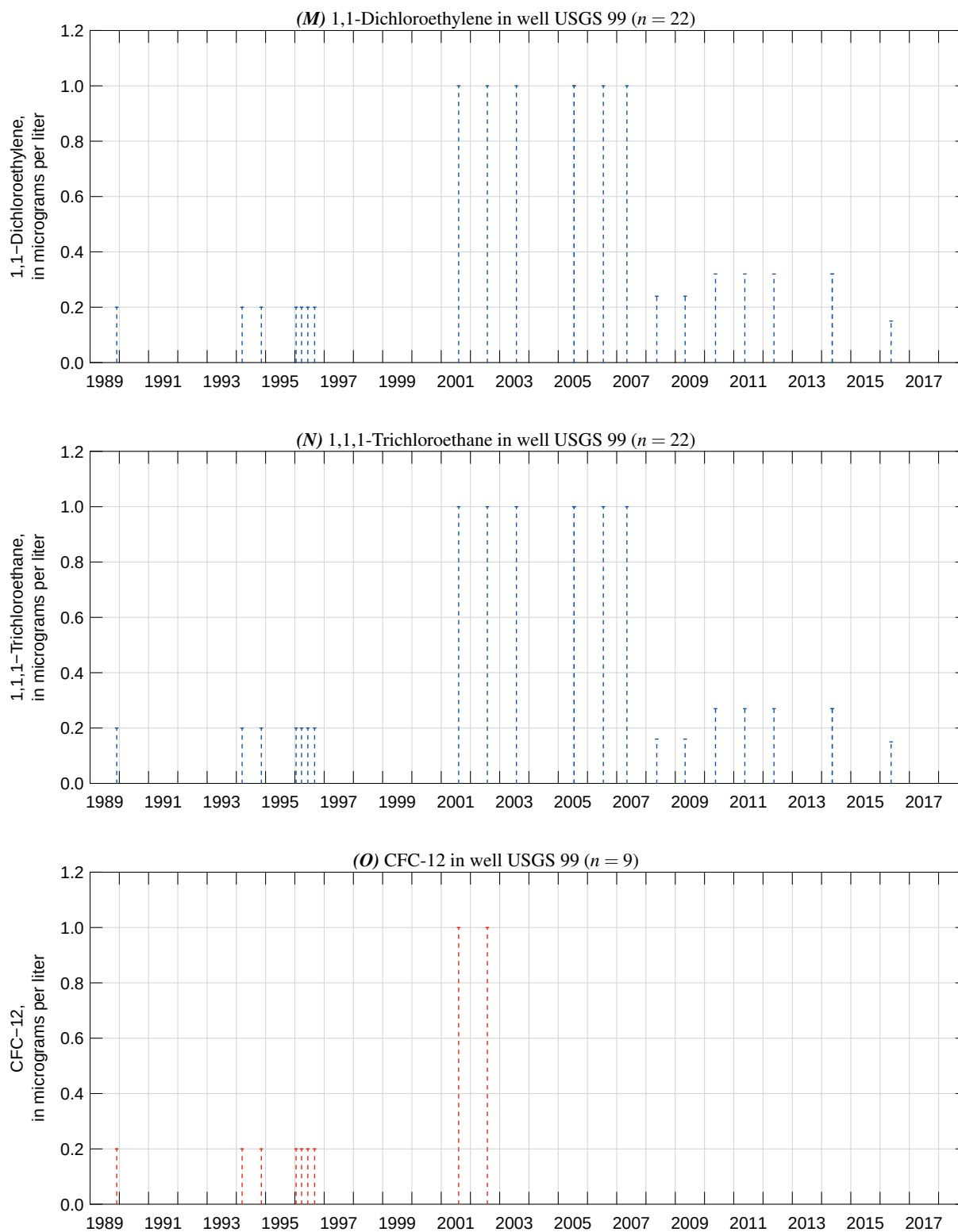


Figure 4.152. —Continued

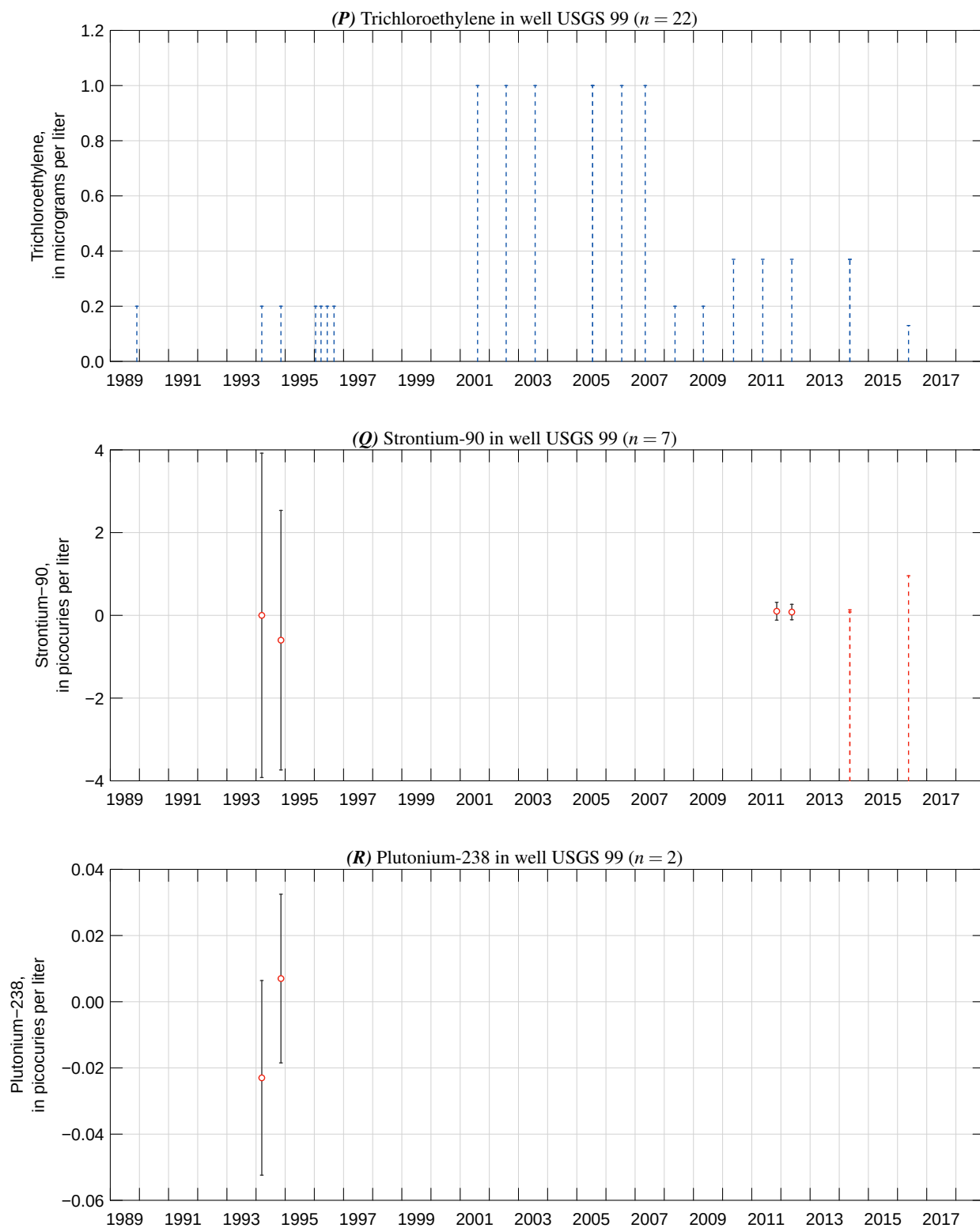


Figure 4.152. —Continued

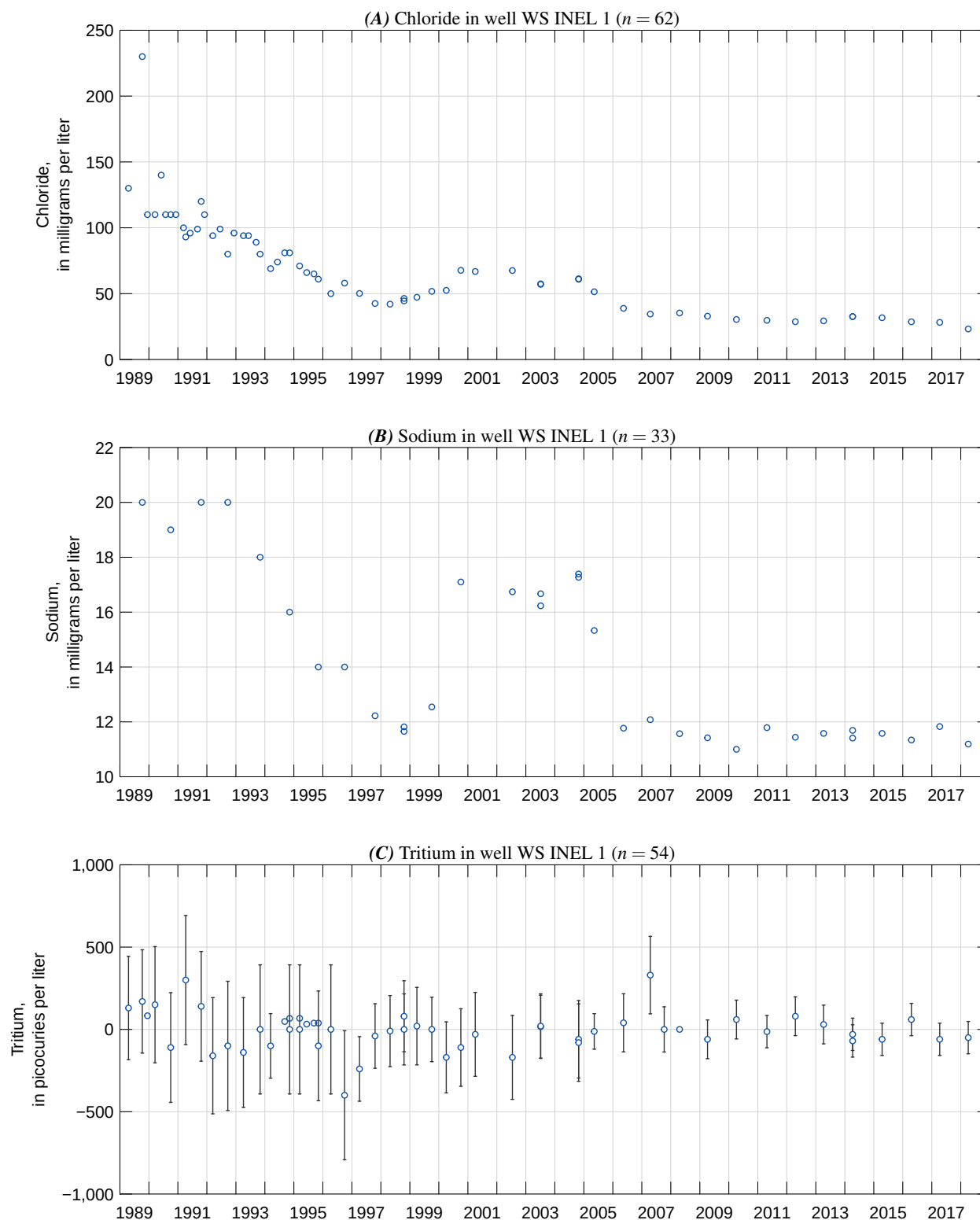


Figure 4.153. Time-series graphs of (A) chloride, (B) sodium, (C) tritium, (D) nitrate, (E) sulfate, (F) fluoride, (G) chromium, (H) carbon tetrachloride, (I) chloroform, (J) toluene, (K) tetrachloroethylene, (L) 1,1-dichloroethylene, (M) 1,1,1-trichloroethane, (N) cfc-12, and (O) trichloroethylene concentrations in water collected from well WS INEL 1 (Site No. 433716112563601), Idaho National Laboratory, Idaho, 1989–2018.

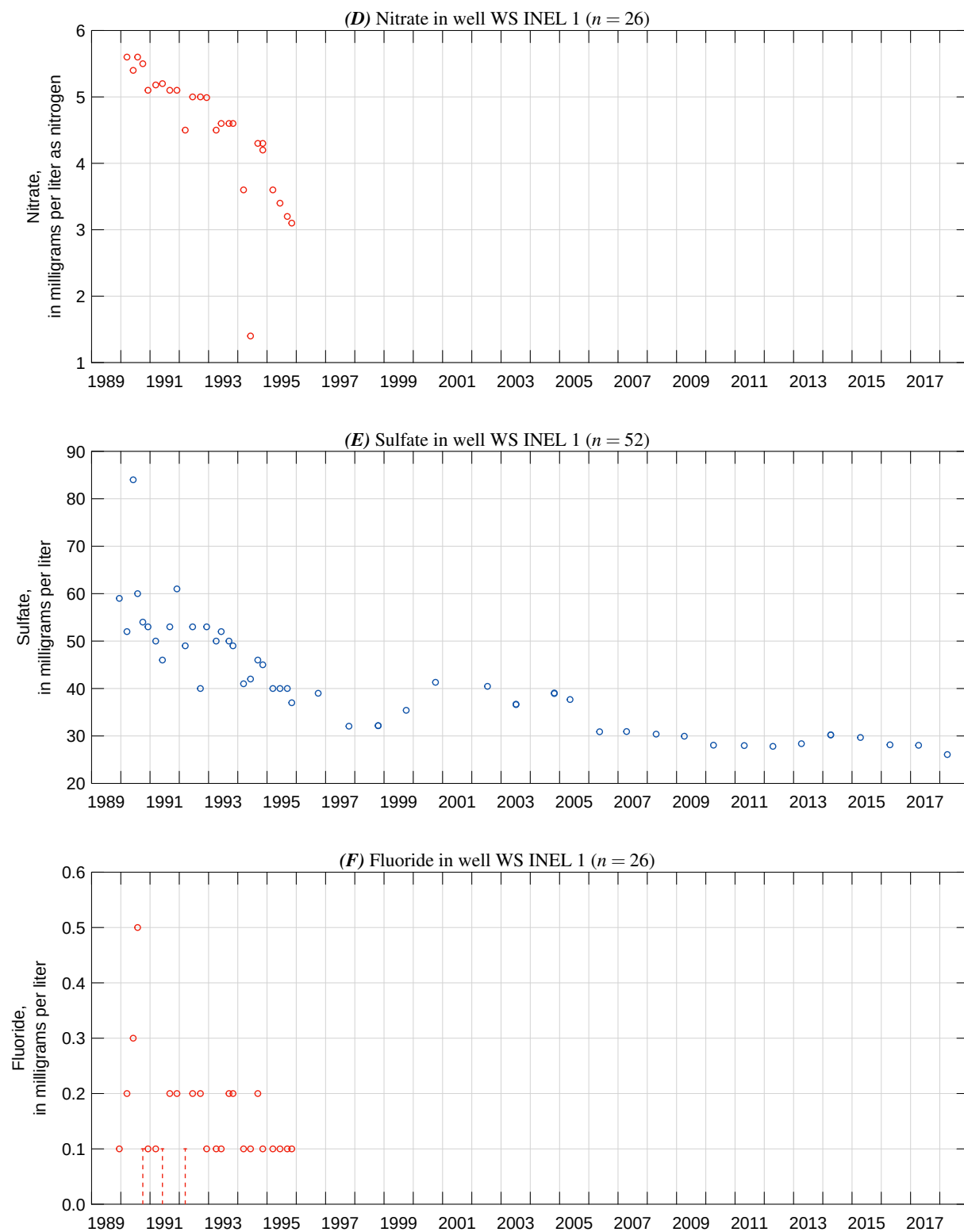


Figure 4.153. —Continued

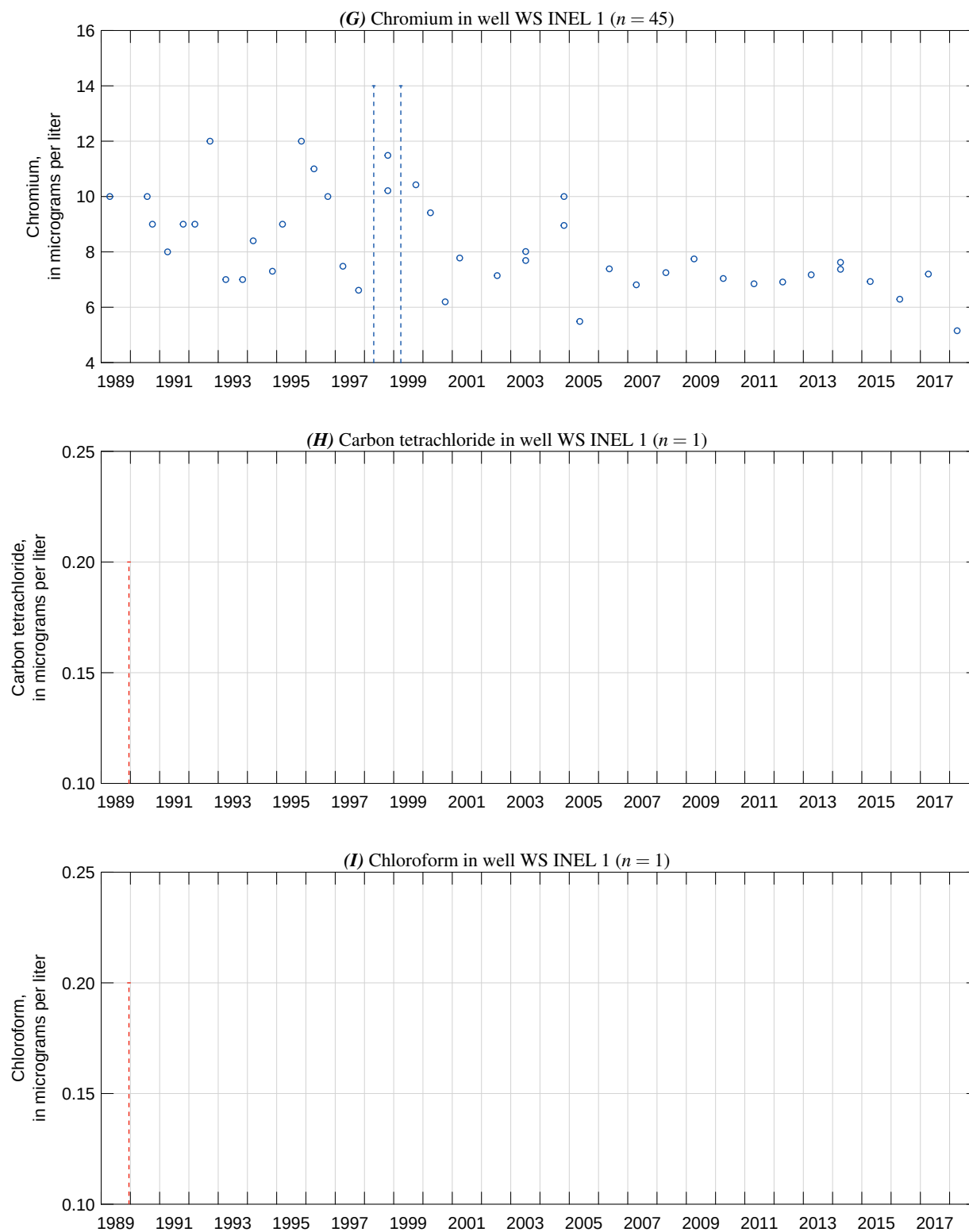


Figure 4.153. —Continued

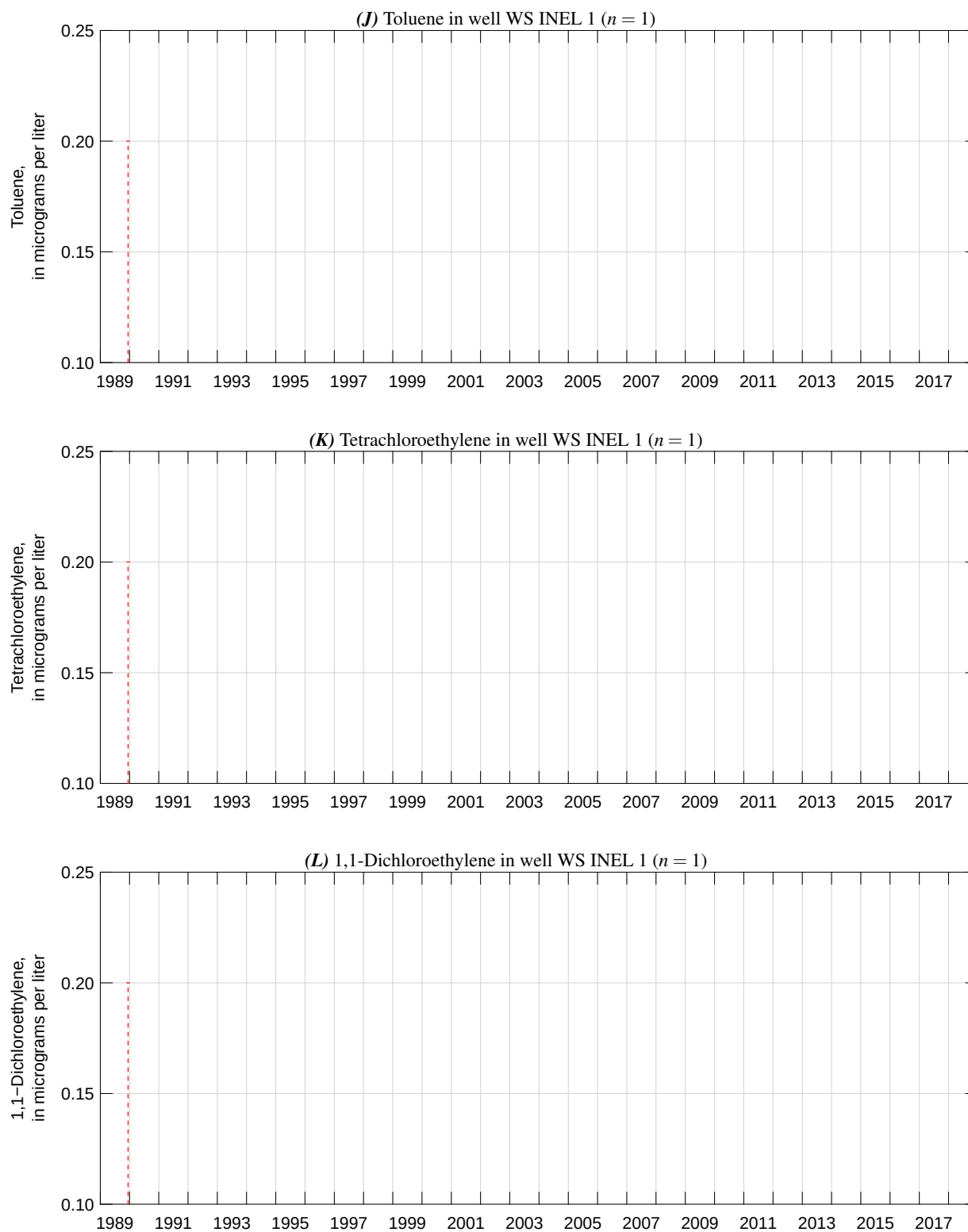


Figure 4.153. —Continued

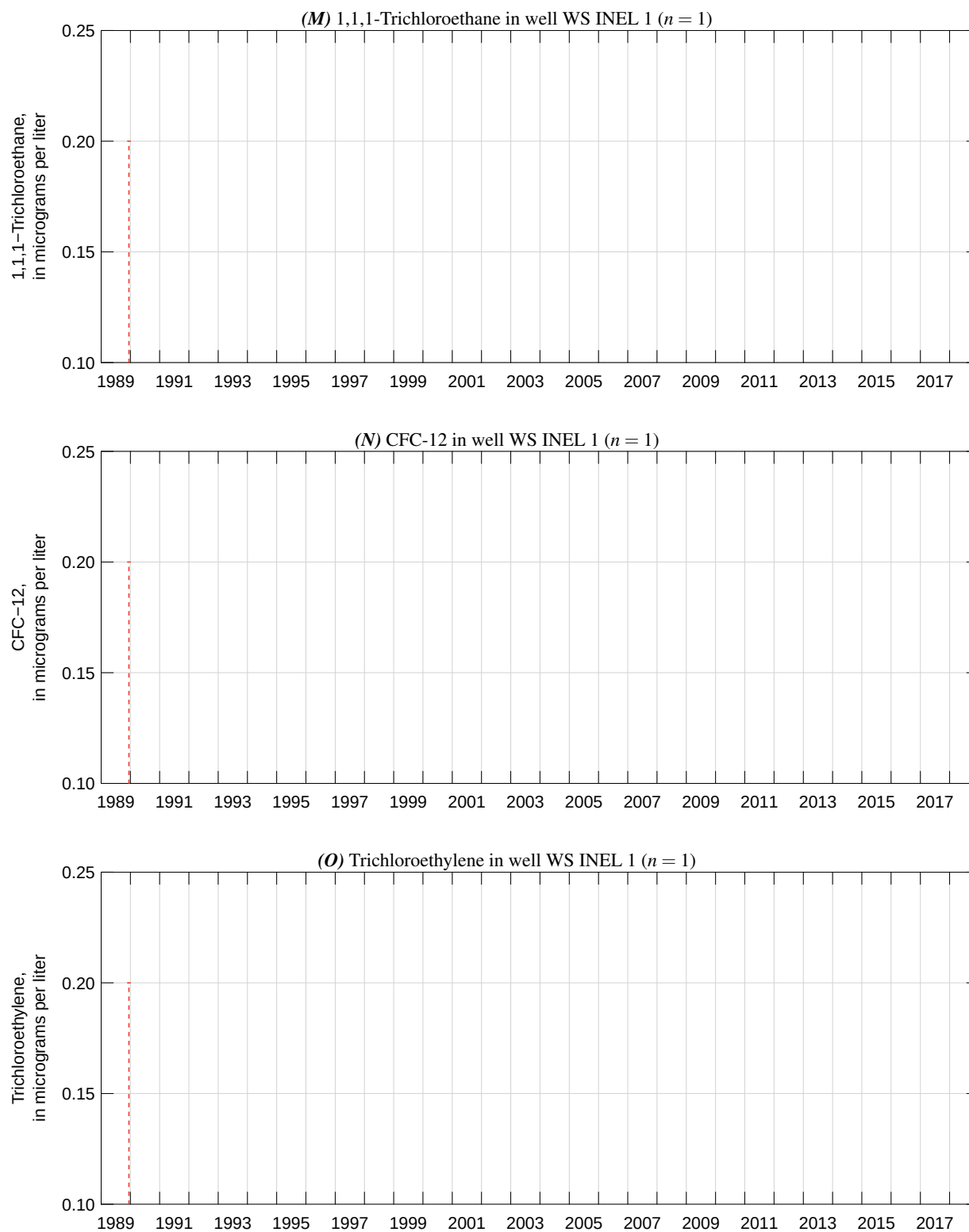


Figure 4.153. —Continued