



Approximate 50 µg/L outline of Cr(VI) or Cr(T) concentrations in Upper Aquifer, October-November 2010

Approximate 10 µg/L outline of Cr(VI) or Cr(T) concentrations in Upper Aquifer, October-November 2010

Approximate outline of Cr(VI) or Cr(T) in Upper Aquifer exceeding background values of 3.1 and 3.2 µg/L, respectively, October-November 2010

LEGEND

- Groundwater Monitoring Well
- ⊕ Domestic Supply Well
- Agricultural Supply Well
- Other Supply Well
- Active Groundwater Extraction Well
- Inactive Extraction or Multi-Use Well
- ◆ Freshwater Injection Well
- PG&E Property

MW-61 Well ID
1.99/2.04 Cr(VI)/Cr(T) concentrations in micrograms per liter (µg/L); maximum of primary and duplicate samples

Cr(VI) = Hexavalent Chromium
Cr(T) = Total Dissolved Chromium
ND = Not Detected; NS = Not Sampled
J = Analyte was present in the sample but the laboratory reported concentration is qualified as estimated by data validation because one or more quality control criteria were not met

* = The Cr(T) result initially reported for well MW-58 during fourth quarter 2010 (shown on this figure) was rejected due to data quality issues related to the laboratory analysis, and is not representative of Cr(T) concentrations in the aquifer at this location. The same sample was re-analyzed for Cr(T) and the second result was 1.3 µg/L.

Groundwater Cr(VI) Concentrations in Monitoring Wells

- < 3.1 µg/L or ND
- 3.1 - 10 µg/L
- 10 - 50 µg/L
- 50 - 100 µg/L
- 100 - 1,000 µg/L
- > 1,000 µg/L

- Notes:**
1. Chromium results are shown for all site-wide Groundwater Monitoring Program wells sampled in the October-November 2010 sampling event. In addition, October-November results for selected In-situ Reactive Zone (IRZ) monitoring wells are shown for plume mapping. See Appendix E for the chromium results for all IRZ monitoring wells sampled in October-November 2010.
 2. The concentration contours are based on chromium results from the groundwater monitoring wells. Results for long-screen (>25 feet) supply or extraction wells, shown in italics, and lower aquifer wells (gray shade labels) were not used for contouring.
 3. Concentration contours represent the maximum extent of either Cr(VI) or Cr(T) at any depth within the Upper Aquifer based on monitoring well data. Some chromium results for wells within the 50, 10, and 3.1/3.2 chromium contours are less than those concentrations.
 4. The 3.1/3.2 µg/L Cr(VI)/Cr(T) plume outline shown in the northeast, Sunnyside Road area, is inferred based on available data from all monitoring wells sampled in this area in August and October-November 2010 sampling events. As required by the Water Board, PG&E is installing additional monitoring wells to improve delineation of the chromium plume boundaries in this area.

FIGURE 4 REVISED 2/10/2011
HEXAVALENT AND TOTAL CHROMIUM CONCENTRATIONS OCTOBER-NOVEMBER 2010 AND INTERPRETED MAXIMUM PLUME OUTLINE IN UPPER AQUIFER

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