



Approximate outline of Cr(VI) or Cr(T) in Upper Aquifer exceeding values of 3.1 and 3.2 µg/L, respectively, Fourth Quarter 2011

Approximate 10 µg/L outline of Cr(VI) or Cr(T) concentrations in Upper Aquifer, Fourth Quarter 2011

Approximate 50 µg/L outline of Cr(VI) or Cr(T) concentrations in Upper Aquifer, Fourth Quarter 2011

The 3.1/3.2 µg/L contour is shown as "-?-" where inferred and cannot be fully delineated by Fourth Quarter 2011 monitoring data. Further updates of the plume outline will be forthcoming as sampling results from new and future monitoring wells are incorporated.

Notes:

- Chromium results are shown for all site-wide Groundwater Monitoring Program wells sampled in the October-December 2011 sampling period. In addition, Fourth Quarter 2011 results for selected In-situ Reactive Zone (IRZ) monitoring wells are shown to aid in plume mapping. For wells sampled multiple times during the reporting period, the most recent results are shown.
- The concentration contours are based on chromium results from the upper aquifer groundwater monitoring wells and short-screen (<25 feet), inactive extraction wells. Wells C-01, C-02, and C-04 which were included in contouring. Results for water supply wells, long-screen (>25 feet), inactive extraction wells (shown in italics), and lower aquifer monitoring wells (brown colored labels) were not used for chromium plume contouring.
- Concentration contours represent the maximum extent of either Cr(VI) or Cr(T) at any depth within the upper aquifer based on chromium results for monitoring wells and short-screen extraction wells C-01, C-02, and C-04. Some chromium results for wells with the 50, 10, and 3.1/3.2 µg/L chromium contours are less than the contoured concentrations.
- The 3.1/3.2 µg/L Cr(VI)/Cr(T) plume outline shown in the vicinity of Dixie Rd are inferred based on available data from the upper aquifer monitoring wells sampled during the Fourth Quarter 2011.
- The chromium results shown for domestic and other private supply wells are from sampling conducted October-December 2011. For wells sampled multiple times during the reporting period, the most recent results are shown. See Table 3-5 for the laboratory analytical results for the domestic well sampling program.
- Wells identified with brown text are Lower Aquifer wells and not used for contouring.

MW-61	Well ID	Cr(VI)/Cr(T) concentrations in micrograms per liter (µg/L); maximum of primary and duplicate samples during Fourth Quarter 2011 sampling
1.99/2.04		

Groundwater Cr(VI) Concentrations in Monitoring Wells	
●	> 1,000 µg/L
●	100 - 1,000 µg/L
●	10 - 100 µg/L
●	3.1 - 10 µg/L
●	< 3.1 µg/L or ND

FIGURE 3-1 CHROMIUM RESULTS FOR FOURTH QUARTER 2011 GROUNDWATER MONITORING AND DOMESTIC WELL SAMPLING AND INTERPRETED MAXIMUM PLUME OUTLINE IN UPPER AQUIFER
 SITE-WIDE GROUNDWATER MONITORING PROGRAM
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