

Potable Water Wells

Eight potable water supply wells constructed in the Mojave River Valley, east and northeast of the base were sampled for chemical analysis. The location of these wells is shown on Figure 4.32. The wells sampled included two homes on Shay Road; Air Base Water Supply Wells Nos. 1 and 8; the town of Adelanto Well No. 2; the Victor Valley Wastewater Reclamation Facility Well No. 1; and Oro Grande Well Nos. 150W and 650. The Oro Grande wells were assigned numbers by the SAIC sampling team. Well 150W is the westernmost of two 150-foot deep wells, and Well 650 is the 650-foot deep production well.

The drinking water wells at two homes along Shay Road are a few hundred feet beyond George AFB's eastern property line. Volatile organic compounds and common anions and cations were analyzed and are reported in Table 4.11. The first sampling event was conducted by George AFB personnel and the samples were forwarded to SAIC's laboratory. Repeat visits were made to the homes by SAIC personnel to ensure triplicate sampling and analysis. **Four volatile organics were detected and confirmed in the well water at 18401 Shay Road and seven volatile organic chemicals were detected in the well water at 18499 Shay Road based on the first sampling event.** When all sampling was completed, only chloroform could be confirmed a second time at 18401 Shay Road. Both chloroform and methylene chloride were confirmed a second time at 18499 Shay Road. All common anions and cations, and the measured volatile organic pollutants were below both proposed federal and state standards. Sulfate concentrations are noticeably higher in these two water supplies than sulfate measured in George AFB water supply wells (see below) and most monitoring wells in the northeast disposal area (see Table 4.10).

Table 4.12 presents the analytical results for water samples collected from production wells serving George AFB, the town of Adelanto and city of Oro Grande, plus the water supply well at the VVWRA wastewater treatment plant. Data indicate there are no measurable volatile organic chemicals in any of the water supplies. Similarly, all wells tested free of contamination by cyanide, the 13 priority pollutant heavy metals, pesticides and PCBs and dioxin, and the base/neutral and acid extractable organics. These findings are consistent with quarterly water supply test results reported by USAFOEHL (see Appendix E) and with the November 1985 test results which showed no priority pollutant contamination in the VVWRA water supply well.



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**ADMINISTRATIVE RECORD
COVER SHEET**

AR File Number 124

Volume I — Report

Installation Restoration Program
Phase II — Confirmation/Quantification
Stage 2

George Air Force Base, California

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13400-B Northup Way, Suite 38
Bellevue, Washington 98005

January 8, 1987

Final Report
Period Covered: 2/86 to 9/86

Distribution Unlimited

Prepared for:

Headquarters Tactical Air Command
Command Surgeon's Office (TAC/SGPB)
Langley Air Force Base, Virginia 23365

United States Air Force
Occupational & Environmental Health Laboratory (USAF OEHL)
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