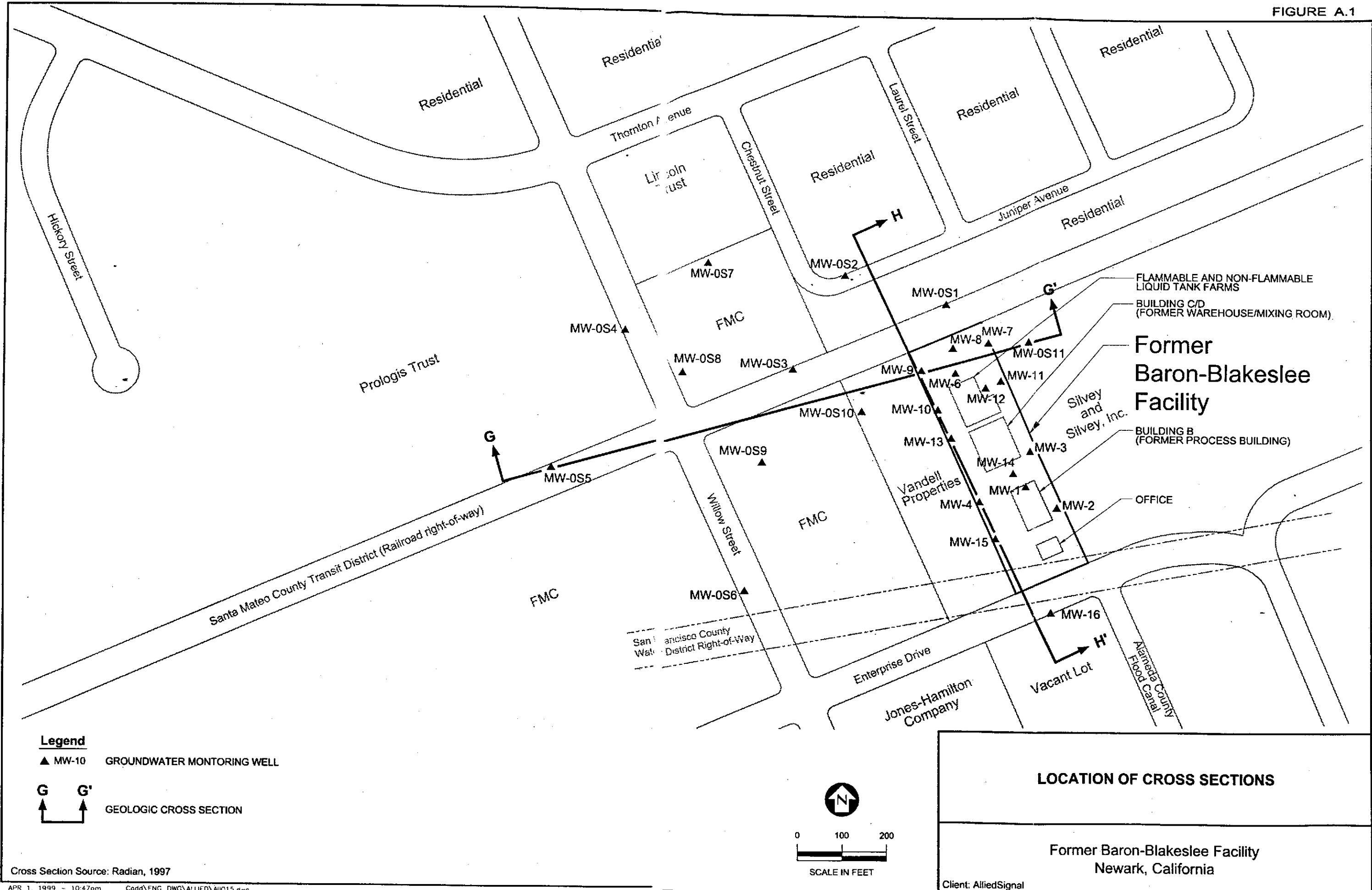


FIGURE A.1



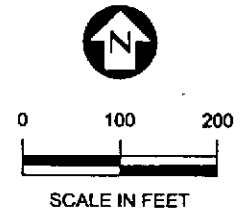
Legend

▲ MW-10 GROUNDWATER MONITORING WELL

G G' GEOLOGIC CROSS SECTION

Cross Section Source: Radian, 1997

APR 1, 1999 - 10:47am Cadd\ENG_DWG\ALLIED\A1015.dwg



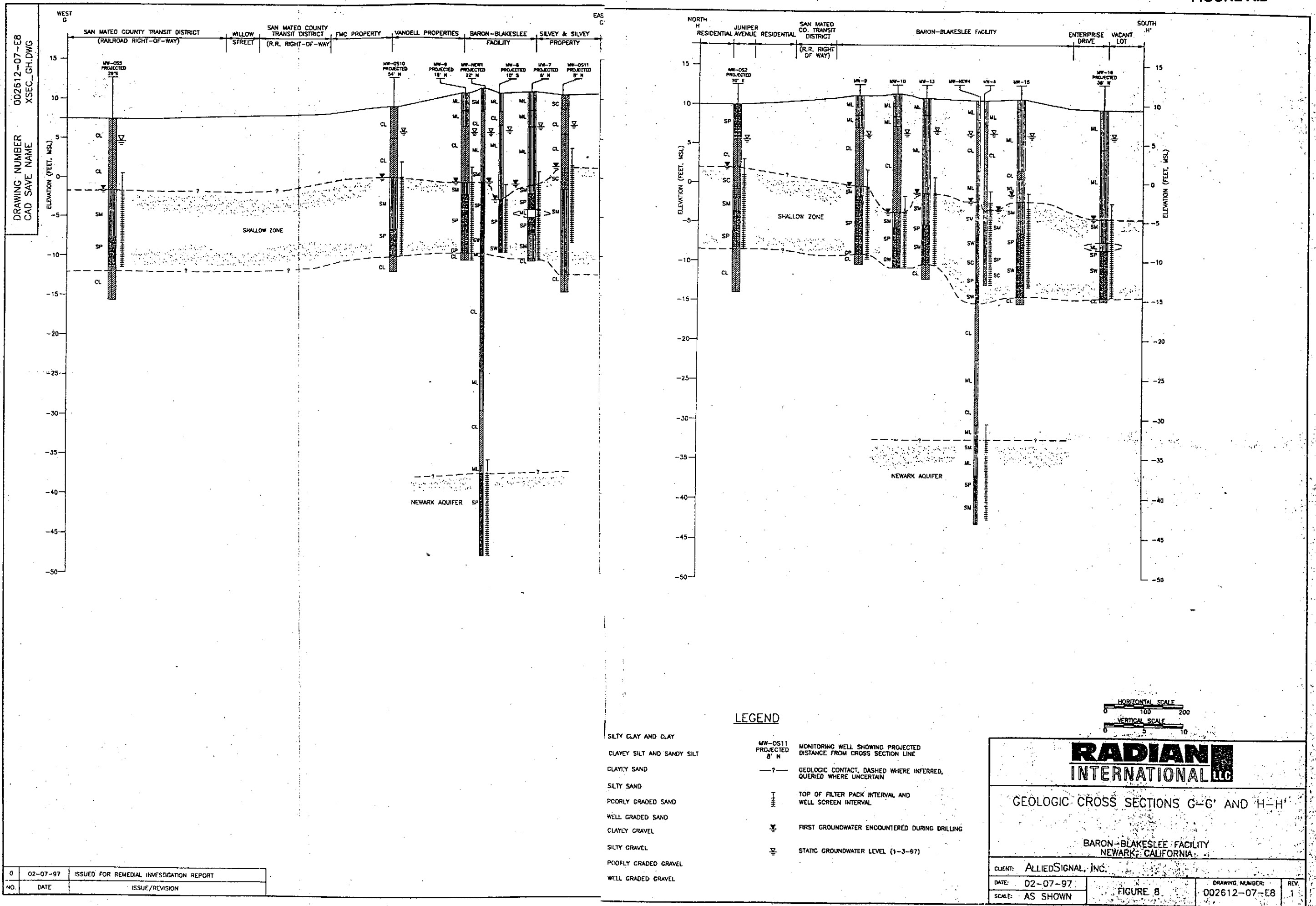
LOCATION OF CROSS SECTIONS

Former Baron-Blakeslee Facility
Newark, California

Client: AlliedSignal

PARSONS ENGINEERING SCIENCE, INC.

FIGURE A.2

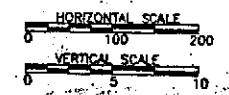


DRAWING NUMBER
002612-07-E8
CAD SAVE NAME
XSEC_GH.DWG

| | | |
|-----|----------|--|
| 0 | 02-07-97 | ISSUED FOR REMEDIAL INVESTIGATION REPORT |
| NO. | DATE | ISSUE/REVISION |

LEGEND

- SILTY CLAY AND CLAY
- CLAYEY SILT AND SANDY SILT
- CLAYEY SAND
- SILTY SAND
- POORLY GRADED SAND
- WELL GRADED SAND
- CLAYEY GRAVEL
- SILTY GRAVEL
- POORLY GRADED GRAVEL
- WELL GRADED GRAVEL
- MW-OS11 PROJECTED 8' N
- MONITORING WELL SHOWING PROJECTED DISTANCE FROM CROSS SECTION LINE
- ? —
- GEOLOGIC CONTACT, DASHED WHERE INFERRED, QUERIED WHERE UNCERTAIN
- T
- TOP OF FILTER PACK INTERVAL AND WELL SCREEN INTERVAL
- ▽
- FIRST GROUNDWATER ENCOUNTERED DURING DRILLING
- ▽
- STATIC GROUNDWATER LEVEL (1-3-97)



RADIAN
INTERNATIONAL LG

GEOLOGIC CROSS SECTIONS G-G' AND H-H'

BARON-BLAKESLEE FACILITY
NEWARK, CALIFORNIA

| | |
|----------------------------|------------------------------|
| CLIENT: ALLIEDSIGNAL, INC. | |
| DATE: 02-07-97 | DRAWING NUMBER: 002612-07-E8 |
| SCALE: AS SHOWN | REV. 1 |

TABLE 3.1
Primary VOCs in Shallow Groundwater
Fourth Quarter 1998
Former Baron-Blakeslee Facility, Newark, California

| Location Well ID | Meth Cl | 1,1,1-TCA | cls-1,2-DCE | 1,1-DCE | TCE | PCE | Total Detected VOCs | Location Relative to GW Hot Spot |
|------------------------------------|----------|------------|-------------|----------|----------|----------|---------------------|----------------------------------|
| MCLs | 5 | 200 | 6 | 6 | 5 | 5 | | |
| Shallow GW Zone | | | | | | | | |
| Process Building Plume (PB) | | | | | | | | |
| MW-16 | <5.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | ND | cross/up gradient |
| MW-2 | <5.0 | <1.0 | 6.6 | 2.2 | 10 | <10 | 19 | up gradient |
| MW-3 | <50 | <10 | 310 | <10 | 410 | 18 | 740 | up gradient |
| MW-15 | <50 | 39 | 14 | 51 | 460 | 190 | 750 | cross gradient |
| MW-4 | <120 | 77 | 140 | 300 | 1,700 | 330 | 2,500 | cross gradient |
| MW-1 | <250 | 330 | 37 | 650 | 2,900 | 490 | 4,400 | up gradient |
| MW-14 | 620 | <120 | 420 | 600 | 6,600 | 780 | 9,000 | up gradient |
| MW-13 | 16,000 | 10,000 | 440 | 9,900 | 36,000 | 12,000 | 84,000 | hot spot |
| MW-OS6 | <5.0 | <1.0 | <.5 | <1.0 | 4.8 | <1.0 | 5 | cross/down gradient |
| Tank Farm Plume (TF) | | | | | | | | |
| MW-OS11 | <5.0 | 6.0 | 0.53 | <1.0 | 5.0 | 1.9 | 13 | up gradient |
| MW-7 | <5.0 | <1.0 | 5.7 | 7.6 | 97 | 69 | 180 | cross gradient |
| MW-11 | <25 | 32 | 41 | 58 | 260 | 220 | 610 | up gradient/adjacent |
| MW-12 | 24,000 | 9,000 | 6,000 | 11,000 | 130,000 | 17,000 | 200,000 | hot spot |
| MW-6 | <1,200 | 710 | <120 | <250 | 6,200 | 14,000 | 21,000 | down gradient axis |
| MW-9 | 1,200 | 2,300 | 280 | 2,600 | 9,600 | 20,000 | 36,000 | down gradient axis |
| MW-OS3 | <620 | 1,500 | <62 | 440 | 7,800 | 5,000 | 15,000 | down gradient axis |
| MW-8 | <62 | 290 | 22 | 180 | 950 | 540 | 2,000 | down gradient |
| MW-OS1 | <10 | 35 | 2.3 | 9.9 | 110 | 37 | 190 | down gradient |
| MW-OS2 | <120 | 77 | <12 | <25 | 1,100 | 450 | 1,600 | down gradient |
| Downgradient/Mixed Plume | | | | | | | | |
| MW-10 | <12 | 10 | 5.5 | <2.5 | 130 | 39 | 180 | between plumes |
| MW-OS10 | <50 | 35 | 12 | <10 | 780 | 330 | 1,200 | between plumes |
| MW-OS9 | <120 | 85 | <12 | 170 | 1,900 | 700 | 2,900 | down gradient |
| MW-OS8 | <120 | 140 | <12 | 170 | 1,500 | 320 | 2,100 | down gradient |
| MW-OS4 | <400 | 68 | <40 | 200 | 1,500 | 77 | 1,800 | down gradient axis |
| MW-OS7 | <100 | 55 | <10 | 76 | 330 | 15 | 480 | down gradient |
| MW-OS5 | <10 | 2.8 | 1.2 | 16 | 87 | <2.0 | 110 | down gradient |
| Newark Aquifer | | | | | | | | |
| MW-NEW2 | <5.0 | <1.0 | <0.50 | <1.0 | 3.0 | 2.2 | 5.2 | hot spot (PB) |
| MW-NEW1 | <5.0 | <1.0 | <0.50 | <1.0 | <1.0 | <1.0 | ND | down gradient (PB) |
| MW-NEW3 | <5.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | ND | up gradient (TF) |
| MW-NEW4 | <5.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | ND | cross gradient (TF) |

VOCs (Volatile organic compounds) by EPA Method 8260.

All values are reported in micrograms/liter (µg/L) and are rounded to two significant digits.

DCA = dichloroethane, DCE = dichloroethene, Meth Cl = methylene chloride,

PCE = tetrachloroethene, TCA = trichloroethane, TCE = trichloroethene,

ND = none detected

<25 = Not detected at or above the laboratory reporting limit.

200 = Bold values represent exceedance of respective MCL (maximum contaminant level).