*Table 8-4*
***Dissolved Metals Detected in Ground Water***
***Hookston Station Remedial Investigation***
***Pleasant Hill, California***

| Sample Location | Date | Sample Depth | Analytical Laboratory | Preparation Fraction | ANTIMONY (mg/L) | ARSENIC (mg/L) | BARIUM (mg/L) | BERYLLIUM (mg/L) | CADMIUM (mg/L) | CHROMIUM (mg/L) | COBALT (mg/L) | COPPER (mg/L) | LEAD (mg/L) | MERCURY (mg/L) | MOLYBDENUM (mg/L) | NICKEL (mg/L) | SELENIUM (mg/L) | SILVER (mg/L) | THALLIUM (mg/L) | VANADIUM (mg/L) | ZINC (mg/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | *CA MCL* | *0.006* | *0.05* | *1.0* | *0.004* | *0.005* | *0.05* | *-* | *1.3** | *0.015** | *0.002* | *-* | *0.1* | *0.05* | *0.1* | *0.002* | *-* | *5* |
| MW-01 | 4/2/1993 | 10-20 | CTL | Dissolved | < 60 u | < 5 u | NS | < 2 u | < 5 u | < 10 u | NS | < 10 u | < 3 u | < 0.2 u | NS | < 30 u | 0.01 | < 10 u | < 5 u | NS | < 20 u |
| MW-01 | 4/20/2004 | 10-20 | STL Sac | Dissolved | 0.0007 b | 0.031 | 1.0 | 0.0029 | 0.032 | 0.26 | 0.070 | 0.19 j | 0.078 | 0.0005 | 0.011 | 0.21 | 0.011 | 0.0005 b | 0.0005 b | 0.23 | 0.41 j |
| MW-01D | 4/12/1993 | 45-60 | CTL | Dissolved | < 60 u | < 5 u | NS | < 2 u | < 5 u | < 10 u | NS | < 10 u | < 3 u | < 0.2 u | NS | < 30 u | < 5 u | < 10 u | < 5 u | NS | < 20 u |
| MW-08B (prev. MW-01D) | 4/20/2004 | 45-60 | STL Sac | Dissolved | 0.003 | 0.0075 | 0.063 | < 0.001 u | 0.0042 | 0.025 | 0.0029 | 0.023 j | 0.0077 | < 0.0002 u | 0.0022 | 0.015 | < 0.002 u | 0.000091 b | < 0.001 u | 0.018 | 0.083 j |
| MW-08B Field Duplicate | 4/20/2004 | 45-60 | STL Sac | Dissolved | 0.003 | 0.0066 | 0.060 | < 0.001 u | 0.004 | 0.022 | 0.0028 | 0.022 j | 0.0077 | 0.0001 b | 0.0016 | 0.013 | < 0.002 u | 0.000045 b | < 0.001 u | 0.017 | 0.079 j |
| MW-02 | 4/1/1993 | 11-21 | CTL | Dissolved | < 60 u | < 5 u | NS | < 5 u | < 5 u | < 10 u | NS | < 10 u | < 3 u | < 0.2 u | NS | < 30 u | 0.012 | < 10 u | < 5 u | NS | < 20 u |
| MW-03 | 4/2/1993 | 10-20 | CTL | Dissolved | < 60 u | < 5 u | NS | < 2 u | < 5 u | < 10 u | NS | < 10 u | < 3 u | < 0.2 u | NS | < 30 u | 0.006 | < 10 u | < 5 u | NS | < 20 u |
| MW-03 | 4/20/2004 | 10-20 | STL Sac | Dissolved | 0.0003 b | 0.081 | 2.9 | 0.0077 | 0.091 | 0.74 | 0.15 | 0.36 j | 0.1 | 0.0013 | 0.0029 | 0.57 | 0.015 | 0.0017 | 0.002 | 0.64 | 1.1 j |
| MW-04 | 4/21/2004 | 11-21 | STL Sac | Dissolved | 0.0014 b | 0.045 | 0.50 | 0.0016 | 0.0031 | 0.14 | 0.038 | 0.051 j | 0.032 | < 0.0002 u | 0.025 | 0.17 j | 0.02 | 0.0004 b | 0.0007 b | 0.18 | 0.18 j |
| MW-04 Field Duplicate | 4/21/2004 | 11-21 | STL Sac | Dissolved | 0.0012 b | 0.04 | 0.47 | 0.0016 | 0.0025 | 0.13 | 0.035 | 0.045 j | 0.028 | < 0.0002 u | 0.024 | 0.16 j | 0.019 | 0.0003 b | 0.0006 b | 0.17 | 0.16 j |
| MW-05 | 3/31/1993 | 10-30 | CTL | Dissolved | < 60 u | < 5 u | NS | 0.1 | < 5 u | < 10 u | NS | < 10 u | < 3 u | < 0.2 u | NS | < 30 u | 0.03 | < 10 u | < 5 u | NS | 0.02 |
| MW-05 | 4/20/2004 | 10-30 | STL Sac | Dissolved | 0.0003 b | 0.029 | 0.94 | 0.0033 | 0.0029 | 0.31 | 0.053 | 0.13 j | 0.03 | 0.0003 | 0.0027 | 0.25 | 0.017 | 0.0004 b | 0.0006 b | 0.26 | 0.3 j |
| MW-06 | 4/1/1993 | 15-35 | CTL | Dissolved | < 60 u | < 5 u | NS | < 0.5 u | < 5 u | < 10 u | NS | < 10 u | < 3 u | < 0.2 u | NS | < 30 u | < 5 u | < 10 u | < 5 u | NS | < 20 u |
| MW-06 | 4/20/2004 | 15-35 | STL Sac | Dissolved | 0.0004 b | 0.022 | 0.50 | 0.0015 | 0.003 | 0.12 | 0.025 | 0.063 j | 0.015 | 0.0001 b | 0.0025 | 0.1 | 0.0064 | 0.0002 b | < 0.001 u | 0.12 | 0.15 j |
| MW-07 | 4/20/2004 | 15-35 | STL Sac | Dissolved | 0.0006 b | 0.0078 | 0.47 | 0.0007 b | 0.0041 | 0.059 | 0.015 | 0.022 j | 0.0081 | < 0.0002 u | 0.0025 | 0.064 | 0.023 | 0.0006 b | < 0.001 u | 0.069 | 0.099 j |
| MW-08A | 4/21/2004 | 10-25 | STL Sac | Dissolved | 0.0002 b | 0.0043 | 0.22 | 0.0001 b | 0.0002 b | 0.015 | 0.0024 | 0.0078 j | 0.0015 | < 0.0002 u | 0.0037 | 0.012 j | 0.019 | 0.0001 b | < 0.001 u | 0.026 | 0.036 j |
| MW-09B | 4/27/2004 | 50.5-60.5 | STL Sac | Dissolved | 0.024 | 0.0025 | 0.28 | < 0.001 u | 0.0018 | 0.014 j | 0.00087 b | 0.0032 j | 0.042 | < 0.0002 u | 0.0018 | 0.0022 | < 0.002 u | < 0.001 u | < 0.001 u | 0.014 | 0.047 j |
| MW-10B | 4/26/2004 | 40-50 | STL Sac | Dissolved | 0.0024 | < 0.002 u | 0.085 | < 0.001 u | 0.013 | 0.0042 j | 0.0016 | 0.012 j | 0.0056 | < 0.0002 u | 0.0026 | 0.011 j | < 0.002 u | < 0.001 u | < 0.001 u | < 0.01 u | 0.22 |
| MW-10B Duplicate | 4/26/2004 | 40-50 | STL Sac | Dissolved | 0.0029 | < 0.002 u | 0.082 | < 0.001 u | 0.014 | 0.0031 j | 0.0015 | 0.012 j | 0.0061 | < 0.0002 u | 0.0026 | 0.011 j | < 0.002 u | < 0.001 u | < 0.001 u | < 0.01 u | 0.22 |
| MW-11A | 4/27/2004 | 10-25 | STL Sac | Dissolved | 0.0004 b | 0.0046 | 0.26 | 0.0002 b | 0.0004 b | 0.022 j | 0.0024 | 0.011 j | 0.0028 | < 0.0002 u | 0.0058 | 0.013 | < 0.002 u | 0.0001 b | < 0.001 u | 0.034 | 0.036 j |
| MW-11B | 4/27/2004 | 40-50 | STL Sac | Dissolved | 0.0001 b | 0.0074 | 0.23 | < 0.001 u | 0.0001 b | 0.005 j | 0.0034 | 0.0029 j | 0.0005 b | < 0.0002 u | 0.010 | 0.004 | < 0.002 u | < 0.001 u | < 0.001 u | 0.0075 b | 0.015 jU |
| MW-12A | 4/27/2004 | 10-25 | STL Sac | Dissolved | 0.0003 b | 0.0048 | 0.24 | 0.0003 b | 0.0003 b | 0.028 j | 0.0044 | 0.0094 j | 0.0026 | < 0.0002 u | 0.0042 | 0.018 | 0.0034 | 0.0001 b | < 0.001 u | 0.032 | 0.034 j |
| MW-12B | 4/27/2004 | 50-60 | STL Sac | Dissolved | 0.0031 | 0.003 | 0.15 | < 0.001 u | < 0.001 u | 0.002 u | 0.00048 b | 0.002 u | < 0.001 u | < 0.0002 u | 0.0037 | < 0.002 u | < 0.002 u | < 0.001 u | < 0.001 u | 0.0048 b | 0.0088 Ju |
| MW-13A | 4/21/2004 | 18-33 | STL Sac | Dissolved | 0.0003 b | 0.0032 | 0.17 | < 0.001 u | 0.0002 b | 0.0017 b | 0.0017 | 0.003 j | 0.0003 b | < 0.0002 u | 0.010 | 0.0045 j | 0.0084 | < 0.001 u | < 0.001 u | 0.013 | 0.028 j |
| MW-13B | 4/22/2004 | 45-55 | STL Sac | Dissolved | 0.0002 b | 0.0018 b | 0.15 | < 0.001 u | 0.0001 b | < 0.002 u | 0.0022 | 0.0025 j | 0.001 U | < 0.0002 u | 0.0072 | 0.0044 | < 0.002 u | < 0.001 u | < 0.001 u | 0.0077 b | 0.03 |
| MW-14A | 4/28/2004 | 29-34 | STL Sac | Dissolved | 0.0018 b | 0.014 | 0.58 | 0.0018 | 0.0025 | 0.19 j | 0.026 | 0.07 j | 0.022 | < 0.0002 u | 0.0027 | 0.12 | 0.0018 b | 0.0004 b | < 0.001 u | 0.13 | 0.16 j |
| MW-14B | 4/28/2004 | 40-50 | STL Sac | Dissolved | 0.0031 | 0.0029 | 1.1 | < 0.001 u | < 0.001 u | 0.021 j | 0.0015 | 0.0035 j | 0.0071 | < 0.0002 u | 0.0082 | 0.0062 | < 0.002 u | < 0.001 u | < 0.001 u | 0.0097 b | 0.055 j |
| MW-15A | 4/22/2004 | 14.5-24.5 | STL Sac | Dissolved | 0.0002 b | 0.061 | 2.9 | 0.0066 | 0.0045 | 0.45 | 0.11 | 0.25 j | 0.079 j | 0.0005 | 0.0034 | 0.49 | 0.0074 | 0.0008 b | 0.0017 | 0.43 | 0.61 |
| MW-15B | 4/23/2004 | 49-59 | STL Sac | Dissolved | 0.0011 b | 0.0037 | 2.0 | < 0.001 u | 0.0001 b | 0.018 | 0.0016 | 0.0035 j | 0.0026 Ju | < 0.0002 u | 0.0046 | 0.0054 | < 0.002 u | < 0.001 u | < 0.001 u | 0.0083 b | 0.056 |
| MW-15C | 4/22/2004 | 90-95 | STL Sac | Dissolved | 0.0048 | 0.0032 | 4.6 | 0.0002 b | 0.0002 b | 0.045 | 0.0043 | 0.012 j | 0.02 j | < 0.0002 u | 0.0064 | 0.023 | < 0.002 u | < 0.001 u | < 0.001 u | 0.022 | 0.2 |
| MW-16A | 4/27/2004 | 15-25 | STL Sac | Dissolved | 0.0057 | 0.0044 | 0.17 | < 0.001 u | < 0.001 u | 0.0091 j | 0.00090 b | 0.002 j | < 0.001 u | 0.0001 b | 0.0047 | 0.0023 | < 0.002 u | < 0.001 u | < 0.001 u | 0.0077 b | 0.0097 jU |
| MW-16B | 4/26/2004 | 35-45 | STL Sac | Dissolved | 0.0069 | 0.0008 b | 0.33 | < 0.001 u | < 0.001 u | 0.76 j | 0.0019 | 0.0094 j | 0.014 | < 0.0002 u | 0.041 | 0.0066 j | 0.0021 | < 0.001 u | < 0.001 u | 0.032 | 0.046 |
| MW-17A | 4/27/2004 | 20.7-30.7 | STL Sac | Dissolved | 0.0002 b | 0.013 | 0.66 | 0.0026 | 0.0013 | 0.11 j | 0.048 | 0.062 j | 0.022 | 0.0002 | 0.0012 | 0.14 | 0.005 | 0.0003 b | < 0.001 u | 0.13 | 0.18 j |
| MW-17B | 4/27/2004 | 44-54 | STL Sac | Dissolved | 0.002 | 0.0023 | 0.36 | 0.0001 b | 0.0001 b | 0.037 j | 0.0023 | 0.0062 j | 0.0035 | < 0.0002 u | 0.0040 | 0.0065 | 0.0054 | 0.000038 b | < 0.001 u | 0.021 | 0.033 j |
| MW-18A | 4/28/2004 | 14.7-24.7 | STL Sac | Dissolved | 0.0002 b | 0.021 | 0.58 | 0.0028 | 0.001 | 0.17 j | 0.046 | 0.1 j | 0.021 | < 0.0002 u | 0.0011 | 0.19 | 0.0044 | 0.0004 b | < 0.001 u | 0.17 | 0.2 j |
| MW-18B | 4/28/2004 | 32-42 | STL Sac | Dissolved | 0.0072 | 0.0021 | 0.45 | 0.0001 b | 0.0001 b | 0.016 j | 0.0026 | 0.0094 j | 0.0086 | < 0.0002 u | 0.0015 | 0.01 | < 0.002 u | 0.000049 b | < 0.001 u | 0.018 | 0.079 j |
| MW-19A | 4/28/2004 | 14-24 | STL Sac | Dissolved | 0.0002 b | 0.012 | 1.8 | 0.0029 | 0.003 | 0.072 j | 0.033 | 0.035 j | 0.0082 | 0.0005 | < 0.001 u | 0.15 | 0.0054 | 0.0002 b | < 0.001 u | 0.088 | 0.17 j |
| MW-19B | 4/28/2004 | 29-39 | STL Sac | Dissolved | 0.0024 | 0.0085 | 16.1 | 0.0006 b | 0.0012 | 0.045 j | 0.012 | 0.024 j | 0.022 | < 0.0002 u | 0.0013 | 0.041 | 0.0031 | 0.0002 b | < 0.001 u | 0.052 | 0.28 j |
| MW-19C | 4/28/2004 | 70-80 | STL Sac | Dissolved | 0.0045 | 0.0017 b | 36.7 rla | < 0.001 u | 0.0003 b | 0.01 j | 0.0030 | 0.015 j | 0.013 | < 0.0002 u | 0.0031 | 0.0097 | 0.002 | 0.000032 b | < 0.001 u | 0.014 | 1.6 j |
| MW-19C Duplicate | 4/28/2004 | 70-80 | STL Sac | Dissolved | 0.0051 | 0.0017 b | 32.2 rla | < 0.001 u | 0.0002 b | 0.01 j | 0.0029 | 0.015 j | 0.014 | < 0.0002 u | 0.0030 | 0.0099 | < 0.002 u | 0.000030 b | < 0.001 u | 0.010 | 0.84 j |
| MW-20A | 4/22/2004 | 10-20 | STL Sac | Dissolved | 0.0001 b | 0.042 | 2.0 | 0.0078 | 0.0028 | 0.55 | 0.14 | 0.23 j | 0.072 j | 0.001 | 0.0035 | 0.54 | 0.0089 | 0.001 | 0.0019 | 0.42 | 0.71 |
| MW-20B | 4/22/2004 | 30.5-40.5 | STL Sac | Dissolved | 0.0007 b | 0.014 | 0.53 | 0.0005 b | 0.0006 b | 0.047 | 0.0076 | 0.021 j | 0.0049 j | < 0.0002 u | 0.0094 | 0.033 | 0.0019 b | 0.0001 b | < 0.001 u | 0.064 | 0.072 |
| MW-21A | 4/21/2004 | 10-20 | STL Sac | Dissolved | 0.0001 b | 0.11 | 2.6 | 0.013 | 0.0085 | 0.76 | 0.21 | 0.38 j | 0.12 | 0.0011 | 0.0048 | 0.9 j | 0.0058 | 0.002 | 0.0034 | 0.59 | 1.1 j |
| MW-21B | 4/21/2004 | 29-39 | STL Sac | Dissolved | 0.0005 b | 0.016 | 0.50 | 0.0012 | 0.001 b | 0.12 | 0.019 | 0.043 j | 0.012 | < 0.0002 u | 0.0095 | 0.086 j | 0.012 | 0.0003 b | < 0.001 u | 0.13 | 0.14 j |
| MW-22A | 4/21/2004 | 15-25 | STL Sac | Dissolved | 0.0001 b | 0.058 | 2.1 | 0.0089 | 0.018 | 0.58 | 0.16 | 0.39 j | 0.088 | 0.0008 | 0.0051 | 0.74 j | 0.002 | 0.0018 | 0.0024 | 0.54 | 0.8 j |
| MW-22B | 4/21/2004 | 40-50 | STL Sac | Dissolved | 0.0014 b | 0.021 | 0.73 | 0.0018 | 0.0036 | 0.13 | 0.034 | 0.062 j | 0.021 | 0.0001 b | 0.0047 | 0.13 j | 0.0029 | 0.0003 b | 0.0004 b | 0.18 | 0.27 j |
| MW-24A | 4/27/2004 | 19.5-29.5 | STL Sac | Dissolved | 0.0004 b | 0.0096 | 0.46 | 0.0025 | 0.0016 | 0.066 j | 0.045 | 0.058 j | 0.017 | 0.0002 | 0.00067 b | 0.13 | 0.017 | 0.0003 b | < 0.001 u | 0.085 | 0.14 j |
| MW-24B | 4/27/2004 | 39.5-49.5 | STL Sac | Dissolved | 0.01 | 0.0038 | 8.6 | 0.0003 b | 0.0009 b | 0.03 j | 0.011 | 0.029 j | 0.025 | < 0.0002 u | 0.0093 | 0.032 | 0.0077 | 0.0001 b | < 0.001 u | 0.033 | 0.98 j |
| MW-26B | 4/28/2004 | 40-50 | STL Sac | Dissolved | 0.0057 | 0.0019 b | 0.080 | < 0.001 u | < 0.001 u | 0.0063 ju | 0.00054 b | 0.002 U | < 0.001 u | < 0.0002 u | 0.0050 | 0.0005 b | < 0.002 u | < 0.001 u | < 0.001 u | 0.0052 b | 0.013 jU |

**Notes:**

(mg/L) = Concentrations reported in milligrams per liter (mg/L)
u = Compound was analyzed for but not detected. Analyte result was below the Reporting Type Limit.
< = Not Detected
j = Estimated Value
# = Maximum of multiple analytical results
b = ORG: Compound is found in the associated blank as well as in the sample. INORG: Value less than contract required detection limit but greater than or equal to instrument detection limit.
rla = Reporting limit is elevated due to sample dilution
NS = Not Sampled
* = The action levels for lead and copper are exceeded if 10% of tap water samples collected during the same monitoring event have concentrations greater than 0.015 mg/L lead or 1.3 mg/L copper.

**Laboratories:**

CTL = Curtis & Thompkins,LTD
STL Sac = Severn Trent Laboratory, Sacramento