

**TABLE 5-21
 DUPLICATE RESULTS FOR METALS AND CYANIDE
 CHAMPAIGN MGP SITE
 CHAMPAIGN, ILLINOIS
 AMERENIP**

| CONSTITUENT | UNITS | B-503 | B-503 | B-504 | B-504 | B-509 | B-509 | B-513 | B-513 | B-514 |
|-------------|---------|--------------------------------|---------------------------------|--------------------------------|---------------------------------|--------------------------------|---------------------------------|--------------------------------|---------------------------------|--------------------------------|
| | | B503-3 (2-3) 7/13/2004 3 | B503-3D (2-3) 7/13/2004 3 | B504-7 (6-7) 7/13/2004 7 | B504-7D (6-7) 7/13/2004 7 | B509-8 (7-8) 7/21/2004 8 | B509-8D (7-8) 7/21/2004 8 | B513-2 (1-2) 7/12/2004 2 | B513-2D (1-2) 7/12/2004 2 | B514-3 (2-3) 7/22/2004 3 |
| | | Primary | Duplicate 1 | Primary | Duplicate 1 | Primary | Duplicate 1 | Primary | Duplicate 1 | Primary |
| Cyanide | (mg/kg) | 11.7 | 63.3 | --- | --- | --- | --- | 17 | 13.8 | 16.6 |
| Arsenic | (mg/kg) | 8.31 | 2.68 | <2.31 | 5.86 | 12.7 | 16.5 | 13.6 | 10.6 | 11.3 |
| Barium | (mg/kg) | 99.6 | 41.3 | 63.8 | 60.6 | 117 | 165 | 129 | 124 | 128 |
| Cadmium | (mg/kg) | 0.3 | 0.23 | 0.31 | 0.38 | 0.1 | 0.33 | 0.36 | 0.15 | 0.29 |
| Chromium | (mg/kg) | 18.1 | 17.2 | 14.7 | 11.7 | 16.8 | 20 | 22.4 | 19.2 | 15.7 |
| Lead | (mg/kg) | 202 | 67.6 | 16.4 | 22 | 13.8 | 19.1 | 470 | 83.6 | 113 |
| Mercury | (mg/kg) | 0.167 | 0.172 | 0.026 | 0.048 | 0.028 | 0.041 | 0.352 | 0.053 | 4.2 |
| Selenium | (mg/kg) | <4.00 | <3.85 | <3.70 | <1.85 | <3.92 | <4.00 | <4.00 | <4.00 | <3.85 |
| Silver | (mg/kg) | <1.00 | <0.96 | <0.93 | <0.46 | <0.98 | <1.00 | <1.00 | <1.00 | <0.96 |

Notes: mg/kg Milligrams per kilogram
 (1) Provisional remediation objective provided by IEPA
 ---- No remediation objective has been established by the IEPA for this constituent for this exposure route
 <12 Not detected at the level identified
 Analytical result exceeds one or more Tier 1 RO

**TABLE 5-21
 DUPLICATE RESULTS FOR METALS AND CYANIDE
 CHAMPAIGN MGP SITE
 CHAMPAIGN, ILLINOIS
 AMERENIP**

| CONSTITUENT | UNITS | B-514 | B-553 | B-553 | B-556 | B-556 | B-559 | B-559 |
|-------------|---------|-----------------------------|------------------------------|-------------------------------|-------------------------------|-------------------------------|----------------------------|-----------------------------|
| | | B514-3D (2-3') 7/22/2004 | B553-32 (31-32) 7/14/2004 | B553-32D (31-32) 7/14/2004 | B556-28 (27-28') 7/20/2004 | B556-28D (27-28) 7/20/2004 | B559-8 (7-8') 7/19/2004 | B559-8D (7-8') 7/19/2004 |
| | | 3 | 32 | 32 | 28 | 28 | 8 | 8 |
| | | Duplicate 1 | Primary | Duplicate 1 | Primary | Duplicate 1 | Primary | Duplicate 1 |
| Cyanide | (mg/kg) | 18.3 | --- | --- | --- | --- | --- | --- |
| Arsenic | (mg/kg) | 13.4 | 5.46 | 2.98 | 3.69 | 2.2 | 14.5 | 8.95 |
| Barium | (mg/kg) | 134 | 14.6 | 11.9 | 17.2 | 16.8 | 226 | 147 |
| Cadmium | (mg/kg) | 0.45 | <0.20 | <0.19 | <0.19 | <0.19 | 0.54 | 0.44 |
| Chromium | (mg/kg) | 20.9 | 10.1 | 10.5 | 11.4 | 11.2 | 23.5 | 24.2 |
| Lead | (mg/kg) | 208 | 8.62 | 6.92 | 9.94 | 9.49 | 18.7 | 20.6 |
| Mercury | (mg/kg) | 4.46 | 0.009 | 0.007 | 0.008 | 0.009 | 0.049 | 0.056 |
| Selenium | (mg/kg) | <3.85 | <4.00 | <3.77 | <3.77 | <3.70 | <4.00 | <3.77 |
| Silver | (mg/kg) | <0.96 | <1.00 | <0.94 | <0.94 | <0.93 | <1.00 | <0.94 |

Notes: mg/kg mg/kg Milligrams per kilogram
 (1) (1) Provisional remediation objective provided by IEPA
 ----- No remediation objective has been established by the IEPA for this constituent for this exposure route
 <12 <12 Not detected at the level identified
 Analytical result exceeds one or more Tier 1 RO