# Table B34-2
## Summary of Chemical Constituents Detected in Soil, March 2003
## Solid Waste Management Unit B-34

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | **Sample ID** | B34-SS01 | | | | B34-SS02 | | | | B34-SS02 | | | | B34-SS03 | | | | B34-SS04 | | | | B34-SS05 | | | | B34-SS06 | | | | B34-SS06 | | | |
| | | | | | **Sample Date** | 03/04/03 | | | | 03/04/03 | | | | 03/04/03 | | | | 03/04/03 | | | | 03/04/03 | | | | 03/04/03 | | | | 03/04/03 | | | | 03/04/03 | | | |
| | | | | | **Sample Type** | N1 | | | | N1 | | | | FD1 | | | | N1 | | | | N1 | | | | N1 | | | | N1 | | | | FD1 | | | |
| | | | | | **Soil Type** | Cb | | | | Cb | | | | Cb | | | | Cb | | | | Cb | | | | Cb | | | | Cb | | | | Cb | | | |
| | | | | | **Beginning Depth** | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | |
| | | | | | **Ending Depth** | 0.5 | | | | 0.5 | | | | 0.5 | | | | 0.5 | | | | 0.5 | | | | 0.5 | | | | 0.5 | | | | 0.5 | | | |
| | | | | | **Lab ID** | AP46731/AP48021 | | | | AP46732 | | | | AP46733 | | | | AP46734 | | | | AP46735 | | | | AP46736 | | | | AP46737 | | | | AP46738 | | | |
| | Soil Comparison Criteria | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | **Lab MDL** | **Lab RL** | **Background[a]** *Soils* | **RRS2-GWP (Ind.)** | **RRS2-SAI (Ind.)** | Results | Flags | Dilution | SQL | Results | Flags | Dilution | SQL | Results | Flags | Dilution | SQL | Results | Flags | Dilution | SQL | Results | Flags | Dilution | SQL | Results | Flags | Dilution | SQL | Results | Flags | Dilution | SQL | Results | Flags | Dilution | SQL |
| **SW6010B (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Barium | 0.08 | 1.0 | 186 | 200 | 59,000 | 105.63 | | 1 | 1.0 | 140.65 | | 1 | 1.0 | 151.53 | | 1 | 1.0 | 69.65 | | 1 | 1.0 | 120.39 | | 1 | 1.0 | 108.81 | | 1 | 1.0 | 134.63 | | 1 | 1.0 | 131.74 | | 1 | 1.0 |
| Chromium | 0.1 | 20.0 | 40.2 | 10 | 350,000 | 22.4 | | 1 | 20.0 | **41.2** | | **1** | **20.0** | **46.0** | | **1** | **20.0** | 15.8 | F | 1 | 20.0 | **46.8** | | **1** | **20.0** | **53.4** | | **1** | **20.0** | **52.7** | | **1** | **20.0** | **45.0** | | **1** | **20.0** |
| Copper | 0.19 | 2.0 | 23.2 | 130 | 74,000 | **34.27** | **M** | **1** | **2.0** | 20.19 | M | 1 | 2.0 | **28.54** | **M** | **1** | **2.0** | **47.98** | **M** | **1** | **2.0** | **109.89** | **M** | **1** | **2.0** | **74.75** | **M** | **1** | **2.0** | **79.46** | **M** | **1** | **2.0** | **68.2** | **M** | **1** | **2.0** |
| Nickel | 0.12 | 2.0 | 35.5 | 200 | 12,000 | 14.47 | J | 1 | 2.0 | 18.28 | J | 1 | 2.0 | 20.64 | J | 1 | 2.0 | 9.3 | J | 1 | 2.0 | 15.22 | J | 1 | 2.0 | 19.2 | J | 1 | 2.0 | 22.66 | J | 1 | 2.0 | 21.5 | J | 1 | 2.0 |
| Zinc | 0.63 | 5.0 | 73.2 | 3,100 | 41,000 | **86.32** | **M** | **1** | **5.0** | 35.41 | M | 1 | 5.0 | 45.26 | M | 1 | 5.0 | **88.94** | **M** | **1** | **5.0** | **173.57** | **M** | **1** | **5.0** | **114.71** | **M** | **1** | **5.0** | **125.71** | **M** | **1** | **5.0** | **136.82** | **M** | **1** | **5.0** |
| **SW7131A (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cadmium | 0.022 | 0.1 | 3.00 | 0.5 | 410 | 0.95 | M | 10 | 1 | 0.46 | M | 10 | 1 | 0.66 | M | 10 | 1 | 0.67 | M | 10 | 1 | 0.72 | M | 10 | 1 | 0.61 | M | 10 | 1 | 0.81 | M | 10 | 1 | 0.73 | M | 10 | 1 |
| **SW7421 (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lead | 0.069 | 0.5 | 84.5 | 1.5 | 1,000 | **183.12** | **M** | **100** | **50.0** | 40.48 | M | 10 | 5.0 | 52.33 | M | 20 | 10.0 | **235.37** | **M** | **100** | **50.0** | **372.27** | **M** | **100** | **50.0** | **195.77** | **M** | **100** | **50.0** | **231.7** | **M** | **100** | **50.0** | **223.7** | **M** | **100** | **50.0** |
| **SW8260B (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1,2,3-Trichlorobenzene | 0.001 | 0.004 | -- | 31 | 2,046 | | | | | 0.001 | M | 1 | 0.004 | 0.001 | M | 1 | 0.004 | 0.001 | M | 1 | 0.004 | | | | | | | | | | | | | | | | |
| 1,2,4-Trichlorobenzene | 0.001 | 0.004 | -- | 7 | 6,129 | | | | | 0.001 | M | 1 | 0.004 | 0.001 | M | 1 | 0.004 | 0.001 | M | 1 | 0.004 | | | | | | | | | | | | | | | | |
| Dichlorodifluoromethane | 0.0018 | 0.005 | -- | 2,044 | 3,126 | | | | | 0.0018 | M | 1 | 0.005 | 0.0018 | M | 1 | 0.005 | 0.0018 | M | 1 | 0.005 | | | | | | | | | | | | | | | | |
| Hexachlorobutadiene | 0.0011 | 0.005 | -- | 2 | 32 | | | | | 0.0011 | M | 1 | 0.005 | 0.0011 | M | 1 | 0.005 | 0.0011 | M | 1 | 0.005 | | | | | | | | | | | | | | | | |
| p-Isopropyltoluene | 0.0012 | 0.006 | -- | 1,022 | 6,718 | | | | | 0.0012 | U | 1 | 0.006 | 0.0012 | U | 1 | 0.006 | 0.0013 | F | 1 | 0.006 | | | | | | | | | | | | | | | | |
| Naphthalene | 0.001 | 0.02 | -- | 204 | 268 | | | | | 0.0017 | M | 1 | 0.020 | 0.0011 | M | 1 | 0.020 | 0.001 | M | 1 | 0.020 | | | | | | | | | | | | | | | | |
| Methylene chloride | 0.0013 | 0.005 | -- | 0.5 | 16 | | | | | **0.0939** | **J** | **1** | **0.005** | **0.0238** | **J** | **1** | **0.005** | **0.0413** | **J** | **1** | **0.005** | | | | | | | | | | | | | | | | |
| Toluene | 0.001 | 0.005 | -- | 100 | 2,378 | | | | | **0.0451** | **B** | **1** | **0.005** | 0.0023 | F | 1 | 0.005 | **0.0088** | **B** | **1** | **0.005** | | | | | | | | | | | | | | | | |
| **SW8270C (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Acenaphthene | 0.04 | 0.7 | -- | 613 | 53,321 | 0.04 | M | 1 | 0.7 | 0.04 | M | 1 | 0.7 | 0.04 | M | 1 | 0.7 | 0.04 | M | 1 | 0.7 | | | | | | | | | | | | | | | | |
| Acenaphthylene | 0.03 | 0.7 | -- | 613 | 53,321 | 0.03 | M | 1 | 0.7 | 0.03 | M | 1 | 0.7 | 0.03 | M | 1 | 0.7 | 0.03 | M | 1 | 0.7 | | | | | | | | | | | | | | | | |
| Anthracene | 0.04 | 0.7 | -- | 3,066 | 266,609 | 0.04 | M | 1 | 0.7 | 0.04 | M | 1 | 0.7 | 0.04 | M | 1 | 0.7 | 0.04 | M | 1 | 0.7 | | | | | | | | | | | | | | | | |
| Benzo(a)anthracene | 0.04 | 0.7 | -- | 0.039 | 3.4 | 0.04 | M | 1 | 0.7 | 0.04 | M | 1 | 0.7 | 0.04 | M | 1 | 0.7 | 0.04 | M | 1 | 0.7 | | | | | | | | | | | | | | | | |
| Benzo(a)pyrene | 0.05 | 0.7 | -- | 0.02 | 0.34 | 0.05 | M | 1 | 0.7 | 0.05 | M | 1 | 0.7 | 0.05 | M | 1 | 0.7 | 0.05 | M | 1 | 0.7 | | | | | | | | | | | | | | | | |
| Benzo(b)fluoranthene | 0.06 | 0.7 | -- | 0.039 | 3.4 | 0.06 | M | 1 | 0.7 | 0.06 | M | 1 | 0.7 | 0.06 | M | 1 | 0.7 | 0.06 | M | 1 | 0.7 | | | | | | | | | | | | | | | | |
| Benzoic acid | 0.02 | 1.6 | -- | 40,880 | 4,088,000 | 0.02 | M | 1 | 1.6 | 0.02 | M | 1 | 1.6 | 0.02 | M | 1 | 1.6 | 0.02 | M | 1 | 1.6 | | | | | | | | | | | | | | | | |
| Benzyl alcohol | 0.12 | 1.3 | -- | 3,066 | 306,600 | 0.12 | M | 1 | 1.3 | 0.12 | M | 1 | 1.3 | 0.12 | M | 1 | 1.3 | 0.12 | M | 1 | 1.3 | | | | | | | | | | | | | | | | |
| Bis(2-chloroisopropyl)ether | 0.05 | 0.7 | -- | 0.026 | 0.32 | 0.05 | M | 1 | 0.7 | 0.05 | M | 1 | 0.7 | 0.05 | M | 1 | 0.7 | 0.05 | M | 1 | 0.7 | | | | | | | | | | | | | | | | |
| Bis(2-ethylhexyl)phthalate | 0.03 | 0.7 | -- | 0.6 | 65 | 0.3 | M | 1 | 0.7 | 0.3 | M | 1 | 0.7 | 0.3 | M | 1 | 0.7 | 0.3 | M | 1 | 0.7 | | | | | | | | | | | | | | | | |
| Bromophenyl phenyl ether, 4- | 0.05 | 0.7 | -- | 0.019 | 1.6 | 0.05 | M | 1 | 0.7 | 0.05 | M | 1 | 0.7 | 0.05 | M | 1 | 0.7 | 0.05 | M | 1 | 0.7 | | | | | | | | | | | | | | | | |
| Chloroaniline, 4- | 0.04 | 1.3 | -- | 41. | 4,088 | 0.04 | M | 1 | 1.3 | 0.04 | M | 1 | 1.3 | 0.04 | M | 1 | 1.3 | 0.04 | M | 1 | 1.3 | | | | | | | | | | | | | | | | |
| Chloronaphthalene, 2- | 0.04 | 0.7 | -- | 818 | 71,096 | 0.04 | M | 1 | 0.7 | 0.04 | M | 1 | 0.7 | 0.04 | M | 1 | 0.7 | 0.04 | M | 1 | 0.7 | | | | | | | | | | | | | | | | |
| Chrysene | 0.04 | 0.7 | -- | 3.9 | 341 | 0.04 | M | 1 | 0.7 | 0.04 | M | 1 | 0.7 | 0.04 | M | 1 | 0.7 | 0.04 | M | 1 | 0.7 | | | | | | | | | | | | | | | | |
| Dibenzofuran | 0.04 | 0.7 | -- | 41 | 4,088 | 0.04 | M | 1 | 0.7 | 0.04 | M | 1 | 0.7 | 0.04 | M | 1 | 0.7 | 0.04 | M | 1 | 0.7 | | | | | | | | | | | | | | | | |
| Dichlorobenzidine, 3,3'- | 0.02 | 1.3 | -- | 0.06 | 6.35 | 0.02 | M | 1 | 1.3 | 0.02 | M | 1 | 1.3 | 0.02 | M | 1 | 1.3 | 0.02 | M | 1 | 1.3 | | | | | | | | | | | | | | | | |
| Diethylphthalate | 0.04 | 0.7 | -- | 8,176 | 817,600 | 0.04 | M | 1 | 0.7 | 0.04 | M | 1 | 0.7 | 0.04 | M | 1 | 0.7 | 0.04 | M | 1 | 0.7 | | | | | | | | | | | | | | | | |
| Dimethylphenol, 2,4- | 0.08 | 0.3 | -- | 204 | 20,440 | 0.08 | M | 1 | 0.3 | 0.08 | M | 1 | 0.3 | 0.08 | M | 1 | 0.3 | 0.08 | M | 1 | 0.3 | | | | | | | | | | | | | | | | |
| Dimethylphthalate | 0.04 | 0.7 | -- | 8,176 | 817,600 | 0.04 | M | 1 | 0.7 | 0.04 | M | 1 | 0.7 | 0.04 | M | 1 | 0.7 | 0.04 | M | 1 | 0.7 | | | | | | | | | | | | | | | | |
| Dinitrophenol, 2,4- | 0.03 | 3.3 | -- | 20 | 2,044 | 0.03 | M | 1 | 3.3 | 0.03 | M | 1 | 3.3 | 0.03 | M | 1 | 3.3 | 0.03 | M | 1 | 3.3 | | | | | | | | | | | | | | | | |
| Di-n-octylphthalate | 0.03 | 0.7 | -- | 204 | 20,440 | 0.03 | M | 1 | 0.7 | 0.03 | M | 1 | 0.7 | 0.03 | M | 1 | 0.7 | 0.03 | M | 1 | 0.7 | | | | | | | | | | | | | | | | |
| DNT, 2,4- | 0.05 | 0.7 | -- | 0.042 | 4.2 | 0.05 | M | 1 | 0.7 | 0.05 | M | 1 | 0.7 | 0.05 | M | 1 | 0.7 | 0.05 | M | 1 | 0.7 | | | | | | | | | | | | | | | | |
| DNT, 2,6- | 0.04 | 0.7 | -- | 0.042 | 4.2 | 0.04 | M | 1 | 0.7 | 0.04 | M | 1 | 0.7 | 0.04 | M | 1 | 0.7 | 0.04 | M | 1 | 0.7 | | | | | | | | | | | | | | | | |
| Fluoranthene | 0.04 | 0.7 | -- | 409 | 35,548 | 0.04 | M | 1 | 0.7 | 0.04 | M | 1 | 0.7 | 0.04 | M | 1 | 0.7 | 0.04 | M | 1 | 0.7 | | | | | | | | | | | | | | | | |
| Fluorene | 0.04 | 0.7 | -- | 409 | 35,548 | 0.04 | M | 1 | 0.7 | 0.04 | M | 1 | 0.7 | 0.04 | M | 1 | 0.7 | 0.04 | M | 1 | 0.7 | | | | | | | | | | | | | | | | |
| Hexachlorobenzene | 0.05 | 0.7 | -- | 0.1 | 1 | 0.05 | M | 1 | 0.7 | 0.05 | M | 1 | 0.7 | 0.05 | M | 1 | 0.7 | 0.05 | M | 1 | 0.7 | | | | | | | | | | | | | | | | |
| Methylnaphthalene, 2- | 0.05 | 0.7 | -- | 204 | 17,774 | 0.05 | M | 1 | 0.7 | 0.05 | M | 1 | 0.7 | 0.05 | M | 1 | 0.7 | 0.05 | M | 1 | 0.7 | | | | | | | | | | | | | | | | |
| Methylphenol, 2- | 0.02 | 0.3 | -- | 511 | 51,100 | 0.02 | M | 1 | 0.3 | 0.02 | M | 1 | 0.3 | 0.02 | M | 1 | 0.3 | 0.02 | M | 1 | 0.3 | | | | | | | | | | | | | | | | |
| Methylphenol, 4- | 0.04 | 0.3 | -- | 51 | 5,110 | 0.04 | M | 1 | 0.3 | 0.04 | M | 1 | 0.3 | 0.04 | M | 1 | 0.3 | 0.04 | M | 1 | 0.3 | | | | | | | | | | | | | | | | |
| Nitroaniline, 2- | 0.04 | 3.3 | -- | 3 | 307 | 0.04 | M | 1 | 3.3 | 0.04 | M | 1 | 3.3 | 0.04 | M | 1 | 3.3 | 0.04 | M | 1 | 3.3 | | | | | | | | | | | | | | | | |
| Nitroaniline, 3- | 0.01 | 3.3 | -- | 3 | 307 | 0.01 | M | 1 | 3.3 | 0.01 | M | 1 | 3.3 | 0.01 | M | 1 | 3.3 | 0.01 | M | 1 | 3.3 | | | | | | | | | | | | | | | | |
| Nitroaniline, 4- | 0.03 | 3.3 | -- | 7 | 753 | 0.03 | M | 1 | 3.3 | 0.03 | M | 1 | 3.3 | 0.03 | M | 1 | 3.3 | 0.03 | M | 1 | 3.3 | | | | | | | | | | | | | | | | |
| Nitrophenol, 2- | 0.04 | 0.3 | -- | 20 | 2,044 | 0.04 | M | 1 | 0.3 | 0.04 | M | 1 | 0.3 | 0.04 | M | 1 | 0.3 | 0.04 | M | 1 | 0.3 | | | | | | | | | | | | | | | | |
| Nitrophenol, 4- | 0.04 | 1.6 | -- | 20 | 2044 | 0.04 | M | 1 | 1.6 | 0.04 | M | 1 | 1.6 | 0.04 | M | 1 | 1.6 | 0.04 | M | 1 | 1.6 | | | | | | | | | | | | | | | | |
| Nitrosodiphenylamine, n- | 0.05 | 0.7 | -- | 6 | 234 | 0.05 | M | 1 | 0.7 | 0.05 | M | 1 | 0.7 | 0.05 | M | 1 | 0.7 | 0.05 | M | 1 | 0.7 | | | | | | | | | | | | | | | | |
| Pentachlorophenol | 0.03 | 3.3 | -- | 0.1 | 14 | 0.03 | M | 1 | 3.3 | 0.03 | M | 1 | 3.3 | 0.03 | M | 1 | 3.3 | 0.03 | M | 1 | 3.3 | | | | | | | | | | | | | | | | |
| Pyrene | 0.05 | 0.7 | -- | 307 | 26,661 | 0.05 | M | 1 | 0.7 | 0.05 | M | 1 | 0.7 | 0.05 | M | 1 | 0.7 | 0.05 | M | 1 | 0.7 | | | | | | | | | | | | | | | | |
| Trichlorophenol, 2,4,6- | 0.04 | 0.3 | -- | 2.6 | 260 | 0.04 | M | 1 | 0.3 | 0.04 | M | 1 | 0.3 | 0.04 | M | 1 | 0.3 | 0.04 | M | 1 | 0.3 | | | | | | | | | | | | | | | | |

Tables present all laboratory results for analytes detected above the method detection limit.
Results from all laboratory analysis are presented in Appendix A.
All samples were analyzed by APPL Inc. Laboratories.
Referenced laboratory package numbers: APPL Inc.: 40883, 41074
All MS/MSD results are presented in the Data Verification Report, Appendix C.

**Abbreviations and Notes:**
Highlighted and bolded sample concentrations exceed RRS1 (background) Standards.
Boxed samples indicate results greater than RRS2 Standards.

| | |
|---|---|
| -- | No risk reduction standard or background level available |
| a | Background values from Revised Background Report, 2002 |
| Cb | Crawford and Bexar soils |
| FD1 | Field Duplicate |
| GWP-Ind | Soil MSC based on groundwater protection |
| MDL | Method Detection Limit |
| N1 | Environmental Sample |
| NA | Not Available |
| RL | Reporting Limit |
| SAI-Ind | Soil MSC for industrial use based on inhalation, ingestion, and dermal contact |
| SQL | Sample Quantitation Limit |

**Data Qualifiers:**
F- The analyte was positively identified, but the associated numerical value is below the RL.
J - The analyte was positively identified, the quantitation is an estimation.
M- A matrix effect was present.
U - The analyte was analyzed for, but not detected. The associated numerical value is the MDL.
B- The analyte was found in an associated blank, as well as in the sample.

# Table B34-2
## Summary of Chemical Constituents Detected in Soil, March 2003
## Solid Waste Management Unit B-34

| | | | | | Sample ID | B34-SS07 | | | | B34-SS08 | | | | B34-SS09 | | | | B34-SS10 | | | | B34-SS11 | | | | B34-SS12 | | | | B34-SS13 | | | | B34-SS14 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Sample Date | 03/04/03 | | | | 03/04/03 | | | | 03/04/03 | | | | 03/04/03 | | | | 03/04/03 | | | | 03/04/03 | | | | 03/04/03 | | | | 03/04/03 | | | |
| | | | | | Sample Type | N1 | | | | N1 | | | | N1 | | | | N1 | | | | N1 | | | | N1 | | | | N1 | | | | N1 | | | |
| | | | | | Soil Type | Cb | | | | Cb | | | | Cb | | | | Cb | | | | Cb | | | | Cb | | | | Cb | | | | Cb | | | |
| | | | | | Beginning Depth | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | |
| | | | | | Ending Depth | 0.5 | | | | 0.5 | | | | 0.5 | | | | 0.5 | | | | 0.5 | | | | 0.5 | | | | 0.5 | | | | 0.5 | | | |
| | | | | | Lab ID | AP46740 | | | | AP46741 | | | | AP46742 | | | | AP46743 | | | | AP46744 | | | | AP46745 | | | | AP46746 | | | | AP46747 | | | |
| | Soil Comparison Criteria | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Lab MDL | Lab RL | Background[a] *Soils* | RRS2-GWP (Ind.) | RRS2-SAI (Ind.) | Results | Flags | Dilution | SQL | Results | Flags | Dilution | SQL | Results | Flags | Dilution | SQL | Results | Flags | Dilution | SQL | Results | Flags | Dilution | SQL | Results | Flags | Dilution | SQL | Results | Flags | Dilution | SQL | Results | Flags | Dilution | SQL |
| **SW6010B (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Barium | 0.08 | 1.0 | 186 | 200 | 59,000 | 20.92 | | 1 | 1.0 | 96.89 | | 1 | 1.0 | 97.56 | | 1 | 1.0 | 105.58 | | 1 | 1.0 | 80.3 | | 1 | 1.0 | 91.03 | | 1 | 1.0 | 148.57 | | 1 | 1.0 | 61.45 | | 1 | 1.0 |
| Chromium | 0.1 | 20.0 | 40.2 | 10 | 350,000 | 7.8 | F | 1 | 20.0 | 20.2 | | 1 | 20.0 | 24.5 | | 1 | 20.0 | 25.1 | | 1 | 20.0 | 17.3 | F | 1 | 20.0 | 20.2 | | 1 | 20.0 | 26.4 | | 1 | 20.0 | 15.7 | F | 1 | 20.0 |
| Copper | 0.19 | 2.0 | 23.2 | 130 | 74,000 | 13.83 | M | 1 | 2.0 | 22.2 | M | 1 | 2.0 | **99.92** | **M** | **1** | **2.0** | 17.94 | M | 1 | 2.0 | 14.77 | M | 1 | 2.0 | 17.92 | M | 1 | 2.0 | **146.75** | **M** | **1** | **2.0** | 19.55 | M | 1 | 2.0 |
| Nickel | 0.12 | 2.0 | 35.5 | 200 | 12,000 | 4.02 | J | 1 | 2.0 | 15.11 | J | 1 | 2.0 | 16.34 | J | 1 | 2.0 | 17.21 | J | 1 | 2.0 | 12.63 | J | 1 | 2.0 | 12.56 | J | 1 | 2.0 | 17.14 | J | 1 | 2.0 | 9.76 | J | 1 | 2.0 |
| Zinc | 0.63 | 5.0 | 73.2 | 3,100 | 41,000 | 52.22 | M | 1 | 5.0 | **87.54** | **M** | **1** | **5.0** | **167.93** | **M** | **1** | **5.0** | 58.36 | M | 1 | 5.0 | 42.43 | M | 1 | 5.0 | 51.57 | M | 1 | 5.0 | **207.51** | **M** | **1** | **5.0** | 60.5 | M | 1 | 5.0 |
| **SW7131A (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cadmium | 0.022 | 0.1 | 3.00 | 0.5 | 410 | 0.38 | M | 5 | 0.5 | 0.74 | M | 10 | 1 | 1.26 | M | 10 | 1 | 0.51 | M | 5 | 0.5 | 0.42 | M | 10 | 1 | 0.33 | M | 10 | 1 | 0.61 | M | 1 | 0.1 | 0.51 | M | 10 | 1 |
| **SW7421 (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lead | 0.069 | 0.5 | 84.5 | 1.5 | 1,000 | **216.96** | **M** | **100** | **50.0** | **136.92** | **M** | **100** | **50.0** | **205.16** | **M** | **100** | **50.0** | 56.09 | M | 20 | 10.0 | 47.7 | M | 10 | 5.0 | 45.84 | M | 10 | 5.0 | **573.62** | **M** | **200** | **100.0** | **89.63** | **M** | **100** | **50.0** |
| **SW8260B (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1,2,3-Trichlorobenzene | 0.001 | 0.004 | -- | 31 | 2,046 | | | | | | | | | | | | | | | | | | | | | | | | | 0.001 | M | 1 | 0.004 | | | | |
| 1,2,4-Trichlorobenzene | 0.001 | 0.004 | -- | 7 | 6,129 | | | | | | | | | | | | | | | | | | | | | | | | | 0.001 | M | 1 | 0.004 | | | | |
| Dichlorodifluoromethane | 0.0018 | 0.005 | -- | 2,044 | 3,126 | | | | | | | | | | | | | | | | | | | | | | | | | 0.0018 | M | 1 | 0.005 | | | | |
| Hexachlorobutadiene | 0.0011 | 0.005 | -- | 2 | 32 | | | | | | | | | | | | | | | | | | | | | | | | | 0.0011 | M | 1 | 0.005 | | | | |
| p-Isopropyltoluene | 0.0012 | 0.006 | -- | 1,022 | 6,718 | | | | | | | | | | | | | | | | | | | | | | | | | 0.0012 | U | 1 | 0.006 | | | | |
| Naphthalene | 0.001 | 0.02 | -- | 204 | 268 | | | | | | | | | | | | | | | | | | | | | | | | | 0.001 | M | 1 | 0.020 | | | | |
| Methylene chloride | 0.0013 | 0.005 | -- | 0.5 | 16 | | | | | | | | | | | | | | | | | | | | | | | | | 0.0279 | J | 1 | 0.005 | | | | |
| Toluene | 0.001 | 0.005 | -- | 100 | 2,378 | | | | | | | | | | | | | | | | | | | | | | | | | 0.0065 | B | 1 | 0.005 | | | | |
| **SW8270C (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Acenaphthene | 0.04 | 0.7 | -- | 613 | 53,321 | | | | | | | | | | | | | | | | | | | | | | | | | 0.04 | M | 1 | 0.7 | | | | |
| Acenaphthylene | 0.03 | 0.7 | -- | 613 | 53,321 | | | | | | | | | | | | | | | | | | | | | | | | | 0.03 | M | 1 | 0.7 | | | | |
| Anthracene | 0.04 | 0.7 | -- | 3,066 | 266,609 | | | | | | | | | | | | | | | | | | | | | | | | | 0.04 | M | 1 | 0.7 | | | | |
| Benzo(a)anthracene | 0.04 | 0.7 | -- | 0.039 | 3.4 | | | | | | | | | | | | | | | | | | | | | | | | | 0.04 | M | 1 | 0.7 | | | | |
| Benzo(a)pyrene | 0.05 | 0.7 | -- | 0.02 | 0.34 | | | | | | | | | | | | | | | | | | | | | | | | | 0.05 | M | 1 | 0.7 | | | | |
| Benzo(b)fluoranthene | 0.06 | 0.7 | -- | 0.039 | 3.4 | | | | | | | | | | | | | | | | | | | | | | | | | 0.06 | M | 1 | 0.7 | | | | |
| Benzoic acid | 0.02 | 1.6 | -- | 40,880 | 4,088,000 | | | | | | | | | | | | | | | | | | | | | | | | | 0.02 | M | 1 | 1.6 | | | | |
| Benzyl alcohol | 0.12 | 1.3 | -- | 3,066 | 306,600 | | | | | | | | | | | | | | | | | | | | | | | | | 0.12 | M | 1 | 1.3 | | | | |
| Bis(2-chloroisopropyl)ether | 0.05 | 0.7 | -- | 0.026 | 0.32 | | | | | | | | | | | | | | | | | | | | | | | | | 0.05 | M | 1 | 0.7 | | | | |
| Bis(2-ethylhexyl)phthalate | 0.03 | 0.7 | -- | 0.6 | 65 | | | | | | | | | | | | | | | | | | | | | | | | | 0.3 | M | 1 | 0.7 | | | | |
| Bromophenyl phenyl ether, 4- | 0.05 | 0.7 | -- | 0.019 | 1.6 | | | | | | | | | | | | | | | | | | | | | | | | | 0.05 | M | 1 | 0.7 | | | | |
| Chloroaniline, 4- | 0.04 | 1.3 | -- | 41. | 4,088 | | | | | | | | | | | | | | | | | | | | | | | | | 0.04 | M | 1 | 1.3 | | | | |
| Chloronaphthalene, 2- | 0.04 | 0.7 | -- | 818 | 71,096 | | | | | | | | | | | | | | | | | | | | | | | | | 0.04 | M | 1 | 0.7 | | | | |
| Chrysene | 0.04 | 0.7 | -- | 3.9 | 341 | | | | | | | | | | | | | | | | | | | | | | | | | 0.04 | M | 1 | 0.7 | | | | |
| Dibenzofuran | 0.04 | 0.7 | -- | 41 | 4,088 | | | | | | | | | | | | | | | | | | | | | | | | | 0.04 | M | 1 | 0.7 | | | | |
| Dichlorobenzidine, 3,3'- | 0.02 | 1.3 | -- | 0.06 | 6.35 | | | | | | | | | | | | | | | | | | | | | | | | | 0.02 | M | 1 | 1.3 | | | | |
| Diethylphthalate | 0.04 | 0.7 | -- | 8,176 | 817,600 | | | | | | | | | | | | | | | | | | | | | | | | | 0.04 | M | 1 | 0.7 | | | | |
| Dimethylphenol, 2,4- | 0.08 | 0.3 | -- | 204 | 20,440 | | | | | | | | | | | | | | | | | | | | | | | | | 0.08 | M | 1 | 0.3 | | | | |
| Dimethylphthalate | 0.04 | 0.7 | -- | 8,176 | 817,600 | | | | | | | | | | | | | | | | | | | | | | | | | 0.04 | M | 1 | 0.7 | | | | |
| Dinitrophenol, 2,4- | 0.03 | 3.3 | -- | 20 | 2,044 | | | | | | | | | | | | | | | | | | | | | | | | | 0.03 | M | 1 | 3.3 | | | | |
| Di-n-octylphthalate | 0.03 | 0.7 | -- | 204 | 20,440 | | | | | | | | | | | | | | | | | | | | | | | | | 0.03 | M | 1 | 0.7 | | | | |
| DNT, 2,4- | 0.05 | 0.7 | -- | 0.042 | 4.2 | | | | | | | | | | | | | | | | | | | | | | | | | 0.05 | M | 1 | 0.7 | | | | |
| DNT, 2,6- | 0.04 | 0.7 | -- | 0.042 | 4.2 | | | | | | | | | | | | | | | | | | | | | | | | | 0.04 | M | 1 | 0.7 | | | | |
| Fluoranthene | 0.04 | 0.7 | -- | 409 | 35,548 | | | | | | | | | | | | | | | | | | | | | | | | | 0.04 | M | 1 | 0.7 | | | | |
| Fluorene | 0.04 | 0.7 | -- | 409 | 35,548 | | | | | | | | | | | | | | | | | | | | | | | | | 0.04 | M | 1 | 0.7 | | | | |
| Hexachlorobenzene | 0.05 | 0.7 | -- | 0.1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | 0.05 | M | 1 | 0.7 | | | | |
| Methylnaphthalene, 2- | 0.05 | 0.7 | -- | 204 | 17,774 | | | | | | | | | | | | | | | | | | | | | | | | | 0.05 | M | 1 | 0.7 | | | | |
| Methylphenol, 2- | 0.02 | 0.3 | -- | 511 | 51,100 | | | | | | | | | | | | | | | | | | | | | | | | | 0.02 | M | 1 | 0.3 | | | | |
| Methylphenol, 4- | 0.04 | 0.3 | -- | 51 | 5,110 | | | | | | | | | | | | | | | | | | | | | | | | | 0.04 | M | 1 | 0.3 | | | | |
| Nitroaniline, 2- | 0.04 | 3.3 | -- | 3 | 307 | | | | | | | | | | | | | | | | | | | | | | | | | 0.04 | M | 1 | 3.3 | | | | |
| Nitroaniline, 3- | 0.01 | 3.3 | -- | 3 | 307 | | | | | | | | | | | | | | | | | | | | | | | | | 0.01 | M | 1 | 3.3 | | | | |
| Nitroaniline, 4- | 0.03 | 3.3 | -- | 7 | 753 | | | | | | | | | | | | | | | | | | | | | | | | | 0.03 | M | 1 | 3.3 | | | | |
| Nitrophenol, 2- | 0.04 | 0.3 | -- | 20 | 2,044 | | | | | | | | | | | | | | | | | | | | | | | | | 0.04 | M | 1 | 0.3 | | | | |
| Nitrophenol, 4- | 0.04 | 1.6 | -- | 20 | 2044 | | | | | | | | | | | | | | | | | | | | | | | | | 0.04 | M | 1 | 1.6 | | | | |
| Nitrosodiphenylamine, n- | 0.05 | 0.7 | -- | 6 | 234 | | | | | | | | | | | | | | | | | | | | | | | | | 0.05 | M | 1 | 0.7 | | | | |
| Pentachlorophenol | 0.03 | 3.3 | -- | 0.1 | 14 | | | | | | | | | | | | | | | | | | | | | | | | | 0.03 | M | 1 | 3.3 | | | | |
| Pyrene | 0.05 | 0.7 | -- | 307 | 26,661 | | | | | | | | | | | | | | | | | | | | | | | | | 0.05 | M | 1 | 0.7 | | | | |
| Trichlorophenol, 2,4,6- | 0.04 | 0.3 | -- | 2.6 | 260 | | | | | | | | | | | | | | | | | | | | | | | | | 0.04 | M | 1 | 0.3 | | | | |

Tables present all laboratory results for analytes detected above the method detection limit.
Results from all laboratory analysis are presented in Appendix A.
All samples were analyzed by APPL Inc. Laboratories.
Referenced laboratory package numbers: APPL Inc.: 40883, 41074
All MS/MSD results are presented in the Data Verification Report, Appendix C.

**Abbreviations and Notes:**
Highlighted and bolded sample concentrations exceed RRS1 (background) Standards.
Boxed samples indicate results greater than RRS2 Standards.

| | |
|---|---|
| -- | No risk reduction standard or background level available |
| a | Background values from Revised Background Report, 2002 |
| Cb | Crawford and Bexar soils |
| FD1 | Field Duplicate |
| GWP-Ind | Soil MSC based on groundwater protection |
| MDL | Method Detection Limit |
| N1 | Environmental Sample |
| NA | Not Available |
| RL | Reporting Limit |
| SAI-Ind | Soil MSC for industrial use based on inhalation, ingestion, and dermal contact |
| SQL | Sample Quantitation Limit |

**Data Qualifiers:**
F- The analyte was positively identified, but the associated numerical value is below the RL.
J - The analyte was positively identified, the quantitation is an estimation.
M- A matrix effect was present.
U - The analyte was analyzed for, but not detected. The associated numerical value is the MDL.
B- The analyte was found in an associated blank, as well as in the sample.