

Table B23-2
Summary of Chemical Constituents Detected in Soils, March 2000
Solid Waste Management Unit B-23

| | Sample ID | | | | | | B23-SB02 | | | | B23-SB03 | | | | B23-SB03 | | | | B23-SB03 | | | | B23-SB03 | | | |
|----------------------------|-------------|--------|--------------------------------|-------------------------------|--------------------|--------------------|---------------|-------|----------|--------------|----------|-------|----------|---------|---------------|----------|----------|--------------|---------------|-------|----------|--------------|---------------|----------|----------|--------------|
| | Sample Date | | | | | | 03/02/00 | | | | 03/03/00 | | | | 03/03/00 | | | | 03/03/00 | | | | 03/03/00 | | | |
| | Sample Type | | | | | | N1 | | | | N1 | | | | FD1 | | | | N1 | | | | N1 | | | |
| Soil Type | | | | | | GR | | | | TaB | | | | TaB | | | | GR | | | | GR | | | | |
| Beginning Depth | | | | | | 10. | | | | 0.5 | | | | 0.5 | | | | 5. | | | | 9.5 | | | | |
| Ending Depth | | | | | | 10.5 | | | | 1. | | | | 1. | | | | 5.5 | | | | 10. | | | | |
| Lab ID | | | | | | AP89340 | | | | AP89369 | | | | AP89370 | | | | AP89373 | | | | AP89374 | | | | |
| Soil Comparison Criteria | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lab MDL | | Lab RL | Background ^a TaB | Background ^a GR | RRS2-GWP (Ind.) | RRS2-SAI (Ind.) | Results | Flags | Dilution | SQL | Results | Flags | Dilution | SQL | Results | Flags | Dilution | SQL | Results | Flags | Dilution | SQL | | | | |
| SW6010B (mg/kg) | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Barium | 0.08 | 1. | 363. | 10.4 | 200. | 59,000. | 2.49 | J | 1 | 1 | 54.31 | M | 1 | 1 | 52.13 | M | 1 | 1 | 7.57 | J | 1 | 1 | 10.75 | J | 1 | 1 |
| Chromium | 0.1 | 20. | 83.9 | 10.0 | 10. | 350,000. | 1.6 | F | 1 | 20 | 11.4 | M | 1 | 20 | 9.9 | M | 1 | 20 | 3.8 | F | 1 | 20 | 5.9 | F | 1 | 20 |
| Copper | 0.19 | 2. | 37.6 | 10.9 | 130. | 74,000. | 1.97 | F | 1 | 2 | 6.08 | M | 1 | 2 | 6.09 | M | 1 | 2 | 3.59 | | 1 | 2 | 5.88 | | 1 | 2 |
| Nickel | 0.12 | 2. | 62.4 | 7.34 | 200. | 12,000. | 2.38 | J | 1 | 2 | 7.75 | M | 1 | 2 | 7.54 | M | 1 | 2 | 3.35 | J | 1 | 2 | 7.83 | J | 1 | 2 |
| Zinc | 0.63 | 5. | 132. | 12.0 | 3,100. | 41,000. | 17.35 | | 1 | 5 | 42.26 | M | 1 | 5 | 48.19 | M | 1 | 5 | 7.72 | J | 1 | 5 | 28.64 | J | 1 | 5 |
| SW7060A (mg/kg) | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Arsenic | 0.04 | 0.5 | 26.6 | 3.86 | 5. | 200. | 0.04 | U | 1 | 0.5 | 1.25 | M | 1 | 0.5 | 2.74 | M | 1 | 0.5 | 0.52 | | 1 | 0.5 | 3.12 | | 1 | 0.5 |
| SW7131A (mg/kg) | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cadmium | 0.01 | 0.1 | 0.80 | 0.06 | 0.5 | 410. | 0.01 | U | 1 | 0.1 | 0.17 | | 1 | 0.1 | 0.19 | | 1 | 0.1 | 0.01 | U | 1 | 0.1 | 0.01 | U | 1 | 0.1 |
| SW7421 (mg/kg) | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lead | 0.13 | 0.5 | 105. | 5.17 | 1.5 | 1,000. | 1.18 | | 1 | 0.5 | 9.45 | M | 5 | 2.5 | 10.29 | | 5 | 2.5 | 2.77 | | 1 | 0.5 | 6.17 | M | 5 | 2.5 |
| SW7471A (mg/kg) | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mercury | 0.01 | 0.1 | 2.90 | 0.05 | 0.2 | 9.6 | 0.01 | U | 1 | 0.1 | 0.03 | F | 1 | 0.1 | 0.03 | F | 1 | 0.1 | 0.02 | F | 1 | 0.1 | 0.02 | F | 1 | 0.1 |
| SW8260B (mg/kg) | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 0.0003 | 0.002 | -- | -- | 0.5 | 1.5 | 0.0016 | F | 1 | 0.002 | 0.0003 | U | 1 | 0.002 | 0.0003 | U | 1 | 0.002 | 0.0003 | U | 1 | 0.002 | 0.0003 | U | 1 | 0.002 |
| Dichlorodifluoromethane | 0.0008 | 0.005 | -- | -- | 2000 | 3100 | 0.0008 | U | 1 | 0.005 | 0.0040 | M | 1 | 0.005 | 0.0145 | M | 1 | 0.005 | 0.0490 | | 1 | 0.005 | 0.0319 | | 1 | 0.005 |
| Ethylbenzene | 0.0004 | 0.003 | -- | -- | 70. | 6,900. | 0.0027 | F | 1 | 0.003 | 0.0004 | U | 1 | 0.003 | 0.0004 | U | 1 | 0.003 | 0.0004 | U | 1 | 0.003 | 0.0004 | U | 1 | 0.003 |
| Isopropylbenzene | 0.0004 | 0.008 | -- | -- | 1000 | 9000 | 0.0004 | U | 1 | 0.008 | 0.0004 | U | 1 | 0.008 | 0.0004 | U | 1 | 0.008 | 0.0004 | U | 1 | 0.008 | 0.0004 | U | 1 | 0.008 |
| Methylene chloride | 0.0007 | 0.005 | -- | -- | 0.5 | 16. | 0.0007 | U | 1 | 0.005 | 0.0007 | U | 1 | 0.005 | 0.0019 | F | 1 | 0.005 | 0.0020 | F | 1 | 0.005 | 0.0013 | F | 1 | 0.005 |
| Naphthalene | 0.001 | 0.02 | -- | -- | 200 | 270 | 0.002 | F | 1 | 0.02 | 0.001 | M | 1 | 0.02 | 0.001 | M | 1 | 0.02 | 0.001 | U | 1 | 0.02 | 0.001 | U | 1 | 0.02 |
| Toluene | 0.0003 | 0.005 | -- | -- | 100. | 2,400. | 0.0051 | | 1 | 0.005 | 0.0030 | F | 1 | 0.005 | 0.0003 | U | 1 | 0.005 | 0.0003 | U | 1 | 0.005 | 0.0003 | U | 1 | 0.005 |
| Trimethylbenzene, 1,2,4- | 0.0004 | 0.007 | -- | -- | NA | NA | 0.0014 | F | 1 | 0.007 | 0.0004 | U | 1 | 0.007 | 0.0004 | U | 1 | 0.007 | 0.0004 | U | 1 | 0.007 | 0.0004 | U | 1 | 0.007 |
| Trimethylbenzene, 1,3,5- | 0.0004 | 0.003 | -- | -- | NA | NA | 0.0004 | U | 1 | 0.003 | 0.0004 | U | 1 | 0.003 | 0.0004 | U | 1 | 0.003 | 0.0004 | U | 1 | 0.003 | 0.0004 | U | 1 | 0.003 |
| Xylene, m,p- | 0.0008 | 0.007 | -- | -- | 1,000. | 3,300. | 0.0019 | F | 1 | 0.007 | 0.0008 | U | 1 | 0.007 | 0.0008 | U | 1 | 0.007 | 0.0008 | U | 1 | 0.007 | 0.0008 | U | 1 | 0.007 |
| Xylene, o- | 0.0004 | 0.005 | -- | -- | 1,000. | 48,000. | 0.0009 | F | 1 | 0.005 | 0.0004 | U | 1 | 0.005 | 0.0004 | U | 1 | 0.005 | 0.0004 | U | 1 | 0.005 | 0.0004 | U | 1 | 0.005 |
| SW8270C (mg/kg) | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bis(2-ethylhexyl)phthalate | 0.03 | 0.7 | -- | -- | 0.6 | 65. | 0.05 | F | 1 | 0.7 | 0.04 | F | 1 | 0.7 | 0.03 | U | 1 | 0.7 | 0.05 | F | 1 | 0.7 | 0.03 | U | 1 | 0.7 |

Tables present all laboratory results for analytes detected above the method detection limit.

Results from all laboratory analysis are presented in Appendix B.

All samples were analyzed by APPL Inc. Laboratories.

Referenced laboratory package numbers: APPL Inc.: 32129, 32133

All MS/MSD results are presented in the Data Verification Report, Appendix E.

Abbreviations and Notes:

Highlighted and bolded sample concentrations exceed RRS1 and/ RRS2 Standards.

Boxed samples indicated results greater than RRS2 Standards.

-- No risk reduction standard or background level available

a Background values from Revised Background Report, 2001

DL Dilution

FD1 Field Duplicate

GR Glen Rose

GWP-Ind Soil MSC based on groundwater protection

Kr Krum Complex

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

TaB Tarrant Association, gently undulating

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