

**APPENDIX D**  
**Materials Related to Site Characterization**

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This appendix contains materials that support the characterization of the WRF expansion site presented in Chapter II. The materials are presented in the following order:

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Figure D-2: Thorium 232 Decay Chain

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Metals Detected in Soils

Dioxins and Furans in Soils

Perchlorate and Detected Pesticides in Soils

Measured Radionuclides in Soils

Chemicals Detected in Ground Water

Fourteen Chemicals Significant in the Risk Assessment

## **4. Bubble Plots**

One plot for each of the 67 chemicals detected in the soil samples collected at the WRF expansion site in May 2001

## **5. Statistical Analyses**

Explanatory text followed by three pages of output generated by the JMP statistical software for each of the 67 chemicals detected in the soil samples collected at the WRF expansion site in May 2001

## **6. CD**

1. Electronic version (Excel file) of the chemical data base described in Section B of Chapter II of the report. This CD also contains a similar Excel file for the background data described in Appendix E.
2. Electronic copies (PDF) of analytical data sheets

## **APPENDIX D.1 – TABLES**



**TABLE D-1**  
**Analytical Parameters by Medium and Method**

| Parameters                            | Sample Medium |              | Method Number |
|---------------------------------------|---------------|--------------|---------------|
|                                       | Soil          | Ground Water |               |
| <b>Volatile Organic Compounds</b>     |               |              |               |
| 1,1,1-Trichloroethane                 | X             | X            | 8260B         |
| 1,1,2,2-Tetrachloroethane             | X             | X            | 8260B         |
| 1,1,2-Trichloroethane                 | X             | X            | 8260B         |
| 1,1-Dichloroethane                    | X             | X            | 8260B         |
| 1,1-Dichloroethene                    | X             | X            | 8260B         |
| 1,2-Dichloroethane                    | X             | X            | 8260B         |
| 1,2-Dichloropropane                   | X             | X            | 8260B         |
| 2-Butanone                            | X             | X            | 8260B         |
| 2-Hexanone                            | X             | X            | 8260B         |
| 4-Methyl-2-pentanone                  | X             | X            | 8260B         |
| Acetone                               | X             | X            | 8260B         |
| Benzene                               | X             | X            | 8260B         |
| Bromodichloromethane                  | X             | X            | 8260B         |
| Bromoform                             | X             | X            | 8260B         |
| Bromomethane                          | X             | X            | 8260B         |
| Carbon disulfide                      | X             | X            | 8260B         |
| Carbon tetrachloride                  | X             | X            | 8260B         |
| Chlorobenzene                         | X             | X            | 8260B         |
| Chloroethane                          | X             | X            | 8260B         |
| Chloroform                            | X             | X            | 8260B         |
| Chloromethane                         | X             | X            | 8260B         |
| cis-1,2-Dichloroethene                | X             | X            | 8260B         |
| cis-1,3-Dichloropropene               | X             | X            | 8260B         |
| Dibromochloromethane                  | X             | X            | 8260B         |
| Ethylbenzene                          | X             | X            | 8260B         |
| Methylene chloride                    | X             | X            | 8260B         |
| Styrene                               | X             | X            | 8260B         |
| Tetrachloroethene                     | X             | X            | 8260B         |
| Toluene                               | X             | X            | 8260B         |
| trans-1,2-Dichloroethene              | X             | X            | 8260B         |
| trans-1,3-Dichloropropene             | X             | X            | 8260B         |
| Trichloroethene                       | X             | X            | 8260B         |
| Trichlorofluoromethane                | X             | X            | 8260B         |
| Vinyl acetate                         | X             | X            | 8260B         |
| Vinyl chloride                        | X             | X            | 8260B         |
| Xylenes (total)                       | X             | X            | 8260B         |
| <b>Semivolatile Organic Compounds</b> |               |              |               |
| 1,2,4-Trichlorobenzene                | X             | X            | 8270C         |
| 1,2-Dichlorobenzene                   | X             | X            | 8270C         |
| 1,3-Dichlorobenzene                   | X             | X            | 8270C         |
| 1,4-Dichlorobenzene                   | X             | X            | 8270C         |
| 2,2'-oxybis(1-Chloropropane)          | X             | X            | 8270C         |
| 2,4,5-Trichlorophenol                 | X             | X            | 8270C         |
| 2,4,6-Trichlorophenol                 | X             | X            | 8270C         |
| 2,4-Dichlorophenol                    | X             | X            | 8270C         |
| 2,4-Dimethylphenol                    | X             | X            | 8270C         |

**TABLE D-1**  
**Analytical Parameters by Medium and Method**

| Parameters                  | Sample Medium |              | Method Number |
|-----------------------------|---------------|--------------|---------------|
|                             | Soil          | Ground Water |               |
| 2,4-Dinitrophenol           | X             | X            | 8270C         |
| 2,4-Dinitrotoluene          | X             | X            | 8270C         |
| 2,6-Dinitrotoluene          | X             | X            | 8270C         |
| 2-Chloronaphthalene         | X             | X            | 8270C         |
| 2-Chlorophenol              | X             | X            | 8270C         |
| 2-Methylnaphthalene         | X             | X            | 8270C         |
| 2-Methylphenol              | X             | X            | 8270C         |
| 2-Nitroaniline              | X             | X            | 8270C         |
| 2-Nitrophenol               | X             | X            | 8270C         |
| 3,3'-Dichlorobenzidine      | X             | X            | 8270C         |
| 3-Nitroaniline              | X             | X            | 8270C         |
| 4,6-Dinitro-2-methylphenol  | X             | X            | 8270C         |
| 4-Bromophenyl phenyl ether  | X             | X            | 8270C         |
| 4-Chloro-3-methylphenol     | X             | X            | 8270C         |
| 4-Chloroaniline             | X             | X            | 8270C         |
| 4-Chlorophenyl phenyl ether | X             | X            | 8270C         |
| 4-Methylphenol              | X             | X            | 8270C         |
| 4-Nitroaniline              | X             | X            | 8270C         |
| 4-Nitrophenol               | X             | X            | 8270C         |
| Acenaphthene                | X             | X            | 8270C         |
| Acenaphthylene              | X             | X            | 8270C         |
| Anthracene                  | X             | X            | 8270C         |
| Benzo(a)anthracene          | X             | X            | 8270C         |
| Benzo(a)pyrene              | X             | X            | 8270C         |
| Benzo(b)fluoranthene        | X             | X            | 8270C         |
| Benzo(ghi)perylene          | X             | X            | 8270C         |
| Benzo(k)fluoranthene        | X             | X            | 8270C         |
| bis(2-Chloroethoxy)methane  | X             | X            | 8270C         |
| bis(2-Chloroethyl) ether    | X             | X            | 8270C         |
| bis(2-Ethylhexyl)phthalate  | X             | X            | 8270C         |
| Butyl benzyl phthalate      | X             | X            | 8270C         |
| Carbazole                   | X             | X            | 8270C         |
| Chrysene                    | X             | X            | 8270C         |
| Dibenzo(a,h)anthracene      | X             | X            | 8270C         |
| Dibenzofuran                | X             | X            | 8270C         |
| Diethyl phthalate           | X             | X            | 8270C         |
| Dimethyl phthalate          | X             | X            | 8270C         |
| Di-n-butyl phthalate        | X             | X            | 8270C         |
| Di-n-octyl phthalate        | X             | X            | 8270C         |
| Fluoranthene                | X             | X            | 8270C         |
| Fluorene                    | X             | X            | 8270C         |
| Hexachlorobenzene           | X             | X            | 8270C         |
| Hexachlorobutadiene         | X             | X            | 8270C         |
| Hexachlorocyclopentadiene   | X             | X            | 8270C         |
| Hexachloroethane            | X             | X            | 8270C         |
| Indeno(1,2,3-cd)pyrene      | X             | X            | 8270C         |
| Isophorone                  | X             | X            | 8270C         |
| Naphthalene                 | X             | X            | 8270C         |

**TABLE D-1**  
**Analytical Parameters by Medium and Method**

| Parameters                         | Sample Medium |              | Method Number |
|------------------------------------|---------------|--------------|---------------|
|                                    | Soil          | Ground Water |               |
| Nitrobenzene                       | X             | X            | 8270C         |
| N-Nitrosodi-n-propylamine          | X             | X            | 8270C         |
| N-Nitrosodiphenylamine             | X             | X            | 8270C         |
| Pentachlorophenol                  | X             | X            | 8270C         |
| Phenanthrene                       | X             | X            | 8270C         |
| Phenol                             | X             | X            | 8270C         |
| Pyrene                             | X             | X            | 8270C         |
| <b>Organochlorine Pesticides</b>   |               |              |               |
| 4,4'-DDD                           | X             | X            | 8081A         |
| 4,4'-DDE                           | X             | X            | 8081A         |
| 4,4'-DDT                           | X             | X            | 8081A         |
| Aldrin                             | X             | X            | 8081A         |
| alpha-BHC                          | X             | X            | 8081A         |
| alpha-Chlordane                    | X             | X            | 8081A         |
| beta-BHC                           | X             | X            | 8081A         |
| delta-BHC                          | X             | X            | 8081A         |
| Dieldrin                           | X             | X            | 8081A         |
| Endosulfan I                       | X             | X            | 8081A         |
| Endosulfan II                      | X             | X            | 8081A         |
| Endosulfan sulfate                 | X             | X            | 8081A         |
| Endrin                             | X             | X            | 8081A         |
| Endrin aldehyde                    | X             | X            | 8081A         |
| Endrin ketone                      | X             | X            | 8081A         |
| gamma-BHC                          | X             | X            | 8081A         |
| gamma-Chlordane                    | X             | X            | 8081A         |
| Heptachlor                         | X             | X            | 8081A         |
| Heptachlor epoxide                 | X             | X            | 8081A         |
| Methoxychlor                       | X             | X            | 8081A         |
| Toxaphene                          | X             | X            | 8081A         |
| <b>Organophosphorus Pesticides</b> |               |              |               |
| Azinphos-methyl                    | X             | X            | 8141A         |
| Bolstar                            | X             | X            | 8141A         |
| Chlorpyrifos                       | X             | X            | 8141A         |
| Coumaphos                          | X             | X            | 8141A         |
| Demeton (total)                    | X             | X            | 8141A         |
| Diazinon                           | X             | X            | 8141A         |
| Dichlorvos                         | X             | X            | 8141A         |
| Dimethoate                         | X             | X            | 8141A         |
| Disulfoton                         | X             | X            | 8141A         |
| Ethoprop                           | X             | X            | 8141A         |
| Ethyl parathion                    | X             | X            | 8141A         |
| Famphur                            | X             | X            | 8141A         |
| Fensulfothion                      | X             | X            | 8141A         |
| Fenthion                           | X             | X            | 8141A         |
| Malathion                          | X             | X            | 8141A         |
| Merphos                            | X             | X            | 8141A         |
| Methyl parathion                   | X             | X            | 8141A         |

**TABLE D-1**  
**Analytical Parameters by Medium and Method**

| Parameters                       | Sample Medium |              | Method Number |
|----------------------------------|---------------|--------------|---------------|
|                                  | Soil          | Ground Water |               |
| Mevinphos                        | X             | X            | 8141A         |
| Naled                            | X             | X            | 8141A         |
| O,O,O-Triethylphosphorothioate   | X             | X            | 8141A         |
| Phorate                          | X             | X            | 8141A         |
| Rommel                           | X             | X            | 8141A         |
| Sulfotepp                        | X             | X            | 8141A         |
| Tetrachlorvinphos                | X             | X            | 8141A         |
| Thionazin                        | X             | X            | 8141A         |
| Tokuthion                        | X             | X            | 8141A         |
| Trichloronate                    | X             | X            | 8141A         |
| <b>Polychlorinated Biphenyls</b> |               |              |               |
| Aroclor 1016                     | X             | X            | 8082          |
| Aroclor 1221                     | X             | X            | 8082          |
| Aroclor 1232                     | X             | X            | 8082          |
| Aroclor 1242                     | X             | X            | 8082          |
| Aroclor 1248                     | X             | X            | 8082          |
| Aroclor 1254                     | X             | X            | 8082          |
| Aroclor 1260                     | X             | X            | 8082          |
| <b>Dioxins/Furans</b>            |               |              |               |
| 1,2,3,4,6,7,8-HpCDD              | X             | X            | 8290          |
| 1,2,3,4,6,7,8-HpCDF              | X             | X            | 8290          |
| 1,2,3,4,7,8,9-HpCDF              | X             | X            | 8290          |
| 1,2,3,4,7,8-HxCDD                | X             | X            | 8290          |
| 1,2,3,4,7,8-HxCDF                | X             | X            | 8290          |
| 1,2,3,6,7,8-HxCDD                | X             | X            | 8290          |
| 1,2,3,6,7,8-HxCDF                | X             | X            | 8290          |
| 1,2,3,7,8,9-HxCDD                | X             | X            | 8290          |
| 1,2,3,7,8,9-HxCDF                | X             | X            | 8290          |
| 1,2,3,7,8-PeCDD                  | X             | X            | 8290          |
| 1,2,3,7,8-PeCDF                  | X             | X            | 8290          |
| 2,3,4,6,7,8-HxCDF                | X             | X            | 8290          |
| 2,3,4,7,8-PeCDF                  | X             | X            | 8290          |
| 2,3,7,8-TCDD                     | X             | X            | 8290          |
| 2,3,7,8-TCDF                     | X             | X            | 8290          |
| OCDD                             | X             | X            | 8290          |
| OCDF                             | X             | X            | 8290          |
| <b>Other</b>                     |               |              |               |
| Perchlorate                      | X             | X            | 314           |
| Asbestos                         | X             |              | PLM+D230*     |
| Total Cyanide                    | X             | X            | 9010A         |
| <b>Metals</b>                    |               |              |               |
| Aluminum                         | X             | X            | 6010B         |
| Iron                             | X             | X            | 6010B         |
| Zinc                             | X             | X            | 6010B         |
| Antimony                         | X             | X            | 6020          |
| Arsenic                          | X             | X            | 6020          |
| Barium                           | X             | X            | 6020          |

**TABLE D-1**  
**Analytical Parameters by Medium and Method**

| Parameters                          | Sample Medium |              | Method Number |
|-------------------------------------|---------------|--------------|---------------|
|                                     | Soil          | Ground Water |               |
| Beryllium                           | X             | X            | 6020          |
| Cadmium                             | X             | X            | 6020          |
| Chromium (total)                    | X             | X            | 6020          |
| Cobalt                              | X             | X            | 6020          |
| Copper                              | X             | X            | 6020          |
| Lead                                | X             | X            | 6020          |
| Magnesium                           | X             | X            | 6020          |
| Manganese                           | X             | X            | 6020          |
| Molybdenum                          | X             | X            | 6020          |
| Nickel                              | X             | X            | 6020          |
| Selenium                            | X             | X            | 6020          |
| Silver                              | X             | X            | 6020          |
| Thallium                            | X             | X            | 6020          |
| Thorium                             | X             | X            | 6020          |
| Titanium                            | X             | X            | 6020          |
| Vanadium                            | X             | X            | 6020          |
| Chromium (hexavalent)               | X             | X            | 7196A         |
| Mercury                             |               | X            | 7470A         |
| Mercury                             | X             |              | 7471A         |
| <b>Radionuclides</b>                |               |              |               |
| Uranium 238                         | X             | X            | NS-3050 MOD   |
| Thorium 234                         | X             | X            | 300 MOD       |
| Uranium 233/234                     | X             | X            | NS-3050 MOD   |
| Thorium 230                         | X             | X            | NS-3004 MOD   |
| Radium 226                          | X             | X            | SW-846 9315   |
| Lead 214                            | X             | X            | 300 MOD       |
| Bismuth 214                         | X             | X            | 300 MOD       |
| Lead 210                            | X             | X            | 300 MOD       |
| Thorium 232                         | X             | X            | NS-3004 MOD   |
| Radium 228                          | X             | X            | 9320 MOD      |
| Radium 228                          | X             | X            | SW846 9320    |
| Actinium 228                        | X             | X            | 300 MOD       |
| Thorium 228                         | X             | X            | NS-3004 MOD   |
| Radium 224                          | X             | X            | 300 MOD       |
| Lead 212                            | X             | X            | 300 MOD       |
| Bismuth 212                         | X             | X            | 300 MOD       |
| Thallium 208                        | X             | X            | 300 MOD       |
| Potassium 40                        | X             | X            | 300 MOD       |
| Uranium 235/236                     | X             | X            | NS-3050 MOD   |
| Cesium 137                          |               | X            | 300 MOD       |
| <b>Physical/Chemical Indicators</b> |               |              |               |
| CEC                                 | X             |              | 9081          |
| Total Organic Carbon                | X             |              | 9060          |
| Dry Bulk Density                    | X             |              | ASTM D1188    |
| Bulk Density                        | X             |              | ASTM D3550    |
| Percent Moisture                    | X             |              | 160.3 MOD     |
| Grain Size                          | X             |              | ASTM D422     |

**TABLE D-1  
Analytical Parameters by Medium and Method**

| Parameters             | Sample Medium |              | Method Number |
|------------------------|---------------|--------------|---------------|
|                        | Soil          | Ground Water |               |
| Conductivity           |               | X            | 120.1         |
| Hardness, Total        |               | X            | 130.2         |
| pH (liquid)            |               | X            | 150.1         |
| Total Dissolved Solids |               | X            | 160.1         |
| Turbidity              |               | X            | 180.1         |
| Chloride               |               | X            | 300.0A        |
| Fluoride               |               | X            | 300.0A        |
| Nitrate                |               | X            | 300.0A        |
| Phosphate as P, Ortho  |               | X            | 300.0A        |
| Sulfate                |               | X            | 300.0A        |
| Calcium                |               | X            | 6010B         |
| Magnesium              |               | X            | 6010B         |
| Potassium              |               | X            | 6010B         |
| Sodium                 |               | X            | 6010B         |
| Total Alkalinity       |               | X            | 310.1         |
| Ferrous Fe             |               | X            | Hach Kit      |

Note:

\* - ENVIRON had contracted with the laboratory to analyze the soil samples for asbestos using transmission electron microscopy (TEM). The laboratory, however, analyzed the soil samples using a polarized light microscopy (PLM) method. All of the samples were non-detect using this method. To corroborate these results, NDEP requested that ENVIRON collect additional asbestos data and perform a more refined analysis, as discussed in Section II.B.3.

TABLE D-2

Summary of Physical and Chemical Indicator Parameters Measured in Soil Samples

| Boring and Depth Interval | Exposure Area | Bulk Density        |                     | Dry Bulk Density | Moisture Content <sup>3</sup> | CEC      | TOC      | Grain Size  |                   |                   | SCS Designation |
|---------------------------|---------------|---------------------|---------------------|------------------|-------------------------------|----------|----------|-------------|-------------------|-------------------|-----------------|
|                           |               | Lbs/ft <sup>3</sup> | Lbs/ft <sup>3</sup> |                  |                               |          |          | Sand/Gravel | Silt <sup>2</sup> | Clay <sup>1</sup> |                 |
|                           |               |                     |                     |                  | %                             | MEQ/100g | mg/kg    | %           | %                 | %                 |                 |
| A1 (0-1)                  | SEA           | 106.1               | 99.6                | 99.6             | 7.8                           | 12.06    | > 2,720  | 83.5        | 12.8              | 3.7               | loamy sand      |
| A1 (10-12)                | SEA           | 112.3               | 102.3               | 102.3            | 6.7                           | 12.13    | > 6,930  | 82.2        | 15.8              | 2.0               | loamy sand      |
| A1 (16-18)                | SEA           | 112.2               | 88.9                | 88.9             | 39.0                          | 10.23    | > 44,200 | 73.2        | 25.5              | <1.3              | loamy sand      |
| A2 (0-1)                  | SEA           | 105.3               | 97.8                | 97.8             | 4.9                           | 1.32     | > 3,410  | 80.4        | 14.9              | 4.7               | loamy sand      |
| A2 (10-12)                | SEA           | 101.0               | 94.1                | 94.1             | 4.8                           | 1.46     | > 3,660  | 76.9        | 19.4              | 3.7               | loamy sand      |
| A2 (19-21)                | SEA           | 102.0               | 93.4                | 93.4             | 7.5                           | 1.35     | 1,470    | 75.0        | 21.7              | 3.3               | loamy sand      |
| B1 (0-1)                  | SEA           | 114.2               | 107.7               | 107.7            | 5.4                           | 13.49    | > 7,790  | 88.1        | 9.4               | 2.5               | sand            |
| B1 (10-12)                | SEA           | NA                  | NA                  | NA               | 9.0                           | NA       | > 20,300 | NA          | NA                | NA                | NA              |
| B1 (19-21)                | SEA           | 101.8               | 67.0                | 67.0             | 25.1                          | 26.02    | > 24,300 | 47.1        | 47.1              | 5.8               | sandy loam      |
| B2 (0-1)                  | NEA           | 91.9                | 84.9                | 84.9             | 11.8                          | 15.88    | > 18,000 | 76.0        | 18.8              | 5.2               | loamy sand      |
| B2 (4-5)                  | NEA           | 115.5               | 113.6               | 113.6            | 4.9                           | 12.19    | > 2,520  | 90.9        | 7.4               | 1.7               | loamy sand      |
| B3 (0-1)                  | NEA           | 103.0               | 95.5                | 95.5             | 4.2                           | 13.46    | > 7,380  | 76.9        | 18.7              | 4.4               | loamy sand      |
| B3 (4-5)                  | NEA           | 106.7               | 93.4                | 93.4             | 11.6                          | 12.52    | > 9,510  | 74.7        | 18.8              | 6.5               | loamy sand      |
| E1 (0-1)                  | NEA           | 105.8               | 99.9                | 99.9             | 5.8                           | 14.15    | > 2,500  | 77.6        | 17.8              | 4.6               | loamy sand      |
| E1 (4-5)                  | NEA           | 104.5               | 97.7                | 97.7             | 5.4                           | 13.02    | > 4,910  | 74.3        | 20.6              | 5.1               | loamy sand      |
| E2 (0-1)                  | NEA           | 112.5               | 107.3               | 107.3            | 3.9                           | 9.4      | > 2,850  | 90.6        | 6.7               | 2.7               | sand            |
| E2 (4-5)                  | NEA           | 112.0               | 106.1               | 106.1            | 4.1                           | 9.76     | > 6,420  | 86.6        | 9.9               | 3.5               | loamy sand      |
| E2 (6-8)                  | NEA           | 119.3               | 105.9               | 105.9            | 13.9                          | 8.91     | > 11,400 | 84.2        | 13.5              | 2.3               | loamy sand      |
| P1 (0-1)                  | SEA           | 98.7                | 91.3                | 91.3             | 3.1                           | 1.45     | > 4,810  | 76.7        | 18.8              | 4.5               | loamy sand      |
| P1 (10-12)                | SEA           | NA                  | NA                  | NA               | 6.2                           | NA       | > 3,300  | NA          | NA                | NA                | NA              |
| P1 (18-20)                | SEA           | 120.3               | 109.2               | 109.2            | 8.4                           | 1.25     | > 2,770  | 72.6        | 25.5              | <1.9              | loamy sand      |
| P2 (0-1)                  | SEA           | 128.0               | 119.7               | 119.7            | 4.2                           | 1.33     | > 3,810  | 84.5        | 11.9              | 3.6               | loamy sand      |
| P2 (10-12)                | SEA           | 104.9               | 94.5                | 94.5             | 9.0                           | 0.97     | > 9,950  | 76.6        | 22.2              | 1.2               | loamy sand      |
| P2 (16-18)                | SEA           | NA                  | NA                  | NA               | 7.9                           | NA       | > 2,810  | NA          | NA                | NA                | NA              |
| P3 (0-1)                  | SEA           | 108.5               | 102.4               | 102.4            | 5.5                           | 12.48    | > 3,460  | 89.2        | 7.8               | 3.0               | sand            |
| P3 (10-12)                | SEA           | 109.2               | 100.4               | 100.4            | 6.0                           | 12.82    | > 5,670  | 80.8        | 15.4              | 3.8               | loamy sand      |
| P3 (18-20)                | SEA           | 132.8               | 119.3               | 119.3            | 8.4                           | 9.7      | > 2,410  | 85.9        | 11.5              | 2.6               | loamy sand      |
| P4 (0-1)                  | SEA           | 107.0               | 101.9               | 101.9            | 2.8                           | 6.11     | > 8,150  | 82.9        | 13.2              | 3.9               | loamy sand      |
| P4 (10-12)                | SEA           | 93.6                | 85.8                | 85.8             | 5.0                           | 9.84     | > 6,840  | 77.4        | 20.9              | 1.7               | loamy sand      |
| P4 (20-22)                | SEA           | NA                  | NA                  | NA               | 8.5                           | NA       | > 3,260  | NA          | NA                | NA                | NA              |
| P5 (0-1)                  | SEA           | 106.8               | 101.1               | 101.1            | 6.3                           | 10.67    | > 4,650  | 81.7        | 13.4              | 4.9               | loamy sand      |

**TABLE D-2**  
**Summary of Physical and Chemical Indicator Parameters Measured in Soil Samples**

| Boring and Depth Interval | Exposure Area | Bulk Density        |       | Dry Bulk Density<br>Lbs/ft <sup>3</sup> | Moisture Content <sup>3</sup><br>% | CEC<br>MEQ/100g | TOC<br>mg/kg | Grain Size       |                        |                        | SCS Designation |
|---------------------------|---------------|---------------------|-------|-----------------------------------------|------------------------------------|-----------------|--------------|------------------|------------------------|------------------------|-----------------|
|                           |               | Lbs/ft <sup>3</sup> |       |                                         |                                    |                 |              | Sand/Gravel<br>% | Silt <sup>2</sup><br>% | Clay <sup>1</sup><br>% |                 |
| P5 (0-1) Dup              | SEA           | NA                  | NA    | NA                                      | 4.6                                | NA              | > 3,390      | NA               | NA                     | NA                     | NA              |
| P5 (10-12)                | SEA           | 102.8               | 93.3  | 93.3                                    | 8.1                                | 10.7            | > 18,200     | 78.3             | 16.6                   | 5.1                    | loamy sand      |
| P5 (16-18)                | SEA           | 129.6               | 114.6 | 114.6                                   | 11.2                               | 8.9             | > 4,840      | 87.2             | 9.9                    | 2.9                    | sand            |
| P6 (0-1)                  | SEA           | 109.4               | 101.9 | 101.9                                   | 5.9                                | 1.57            | > 8,300      | 83.5             | 13.5                   | 3.0                    | loamy sand      |
| P6 (10-12)                | SEA           | 124.5               | 111.5 | 111.5                                   | 5.8                                | 1.35            | > 4,760      | 77.8             | 21.0                   | <1.2                   | loamy sand      |
| P6 (18-20)                | SEA           | 131.2               | 116.7 | 116.7                                   | 11.9                               | 1.26            | > 2,840      | 87.3             | 10.1                   | 2.6                    | loamy sand      |
| P7 (0-1)                  | SEA           | 102.4               | 94.6  | 94.6                                    | 8.4                                | 3.52            | > 3,530      | 85.5             | 12.8                   | 1.7                    | loamy sand      |
| P7 (0-1) Dup              | SEA           | 102.3               | 94.2  | 94.2                                    | 25.5                               | 14.05           | 8,160        | 85.7             | 10.6                   | 3.7                    | NA <sup>2</sup> |
| P7 (10-12)                | SEA           | 107.5               | 101.9 | 101.9                                   | 17.6                               | 2.53            | > 8,610      | 69.4             | 23.3                   | 7.3                    | sandy loam      |
| P7 (18-20)                | SEA           | NA                  | NA    | NA                                      | 16.5                               | NA              | 467          | NA               | NA                     | NA                     | NA              |
| P7 (18-20)                | SEA           | NA                  | NA    | NA                                      | 30.9                               | NA              | > 9,790      | NA               | NA                     | NA                     | NA              |
| P8 (0-1)                  | SEA           | 85.4                | 78.4  | 78.4                                    | 9.5                                | 11.8            | > 6,880      | 77.1             | 17.1                   | 5.8                    | loamy sand      |
| P8 (10-12)                | SEA           | 112.9               | 105.7 | 105.7                                   | 5.8                                | 10.15           | > 9,600      | 89.5             | 7.7                    | 2.8                    | sand            |
| P8 (16-18)                | SEA           | 119.3               | 92.6  | 92.6                                    | 12.8                               | 11              | 1,350        | 77.8             | 20.7                   | <1.5                   | loamy sand      |
| P9 (0-1)                  | SEA           | 109.5               | 101.8 | 101.8                                   | 5.4                                | 2.68            | > 5,050      | 82.3             | 14.5                   | 3.2                    | loamy sand      |
| P9 (6-8)                  | SEA           | 105.9               | 94.7  | 94.7                                    | 9.6                                | 3.06            | > 5,020      | 76.1             | 20.8                   | 3.1                    | loamy sand      |
| P10 (0-1)                 | SEA           | 104.4               | 95.5  | 95.5                                    | 4.6                                | 2.74            | 1,950        | 82.6             | 14.9                   | 2.5                    | loamy sand      |
| P10 (10-11)               | SEA           | 112.1               | 104.1 | 104.1                                   | 7.4                                | 2.29            | > 4,720      | 78.9             | 18.9                   | 2.2                    | loamy sand      |
| P10 (16-18)               | SEA           | 135.0               | 119.6 | 119.6                                   | 9.1                                | 2.23            | > 3,560      | 85.1             | 12.2                   | 2.7                    | loamy sand      |
| P11 (0-1)                 | NEA           | 104.7               | 99.7  | 99.7                                    | 2.5                                | 3.43            | 313 J        | 86.5             | 11.1                   | 2.4                    | loamy sand      |
| P11 (4-5)                 | NEA           | 103.0               | 94.2  | 94.2                                    | 4.1                                | 2.37            | 1,390 J      | 81.0             | 16.0                   | 3.0                    | loamy sand      |
| P11 (15-17)               | NEA           | 124.9               | 114.6 | 114.6                                   | 10.1                               | 7.74            | > 3,600      | 80.5             | 17.8                   | 1.7                    | loamy sand      |
| P12 (0-1)                 | NEA           | 110.4               | 104.0 | 104.0                                   | 6.3                                | 19.42           | 719          | 81.0             | 16.3                   | 2.7                    | loamy sand      |
| P12 (4-5)                 | NEA           | 113.8               | 107.6 | 107.6                                   | 2.0                                | 18.91           | 1,130        | 79.1             | 17.8                   | 3.1                    | loamy sand      |
| P12 (15-17)               | NEA           | 112.9               | 101.3 | 101.3                                   | 8.4                                | 13.97           | > 6,540      | 79.9             | 17.2                   | 2.9                    | loamy sand      |
| P13 (0-1)                 | NEA           | 101.1               | 94.7  | 94.7                                    | 8.7                                | 13.12           | > 8,840      | 83.5             | 12.9                   | 3.6                    | loamy sand      |
| P13 (4-5)                 | NEA           | 115.2               | 109.3 | 109.3                                   | 6.2                                | 13.23           | > 3,060      | 85.2             | 11.6                   | 3.2                    | loamy sand      |
| P14 (0-1)                 | NEA           | 72.0                | 66.9  | 66.9                                    | 5.4                                | 11.87           | > 4,800      | 80.4             | 16.9                   | 2.7                    | loamy sand      |
| P14(4-5)                  | NEA           | 118.4               | 112.2 | 112.2                                   | 10.4                               | 11.64           | > 9,050      | 79.2             | 17.4                   | 3.4                    | loamy sand      |
| P15 (0-1)                 | NEA           | 103.7               | 96.3  | 96.3                                    | 8.1                                | 12.1            | > 6,400 J    | 81.5             | 15.4                   | 3.1                    | loamy sand      |
| P15 (4-5)                 | NEA           | 110.8               | 100.1 | 100.1                                   | 12.0                               | 2.85            | > 17,400 J   | 73.0             | 22.4                   | 4.6                    | sandy loam      |



**TABLE D-2**  
**Summary of Physical and Chemical Indicator Parameters Measured in Soil Samples**

| Boring and Depth Interval | Exposure Area | Bulk Density        |                     | Dry Bulk Density | Moisture Content <sup>3</sup> | CEC      | TOC      | Grain Size  |                   |                   | SCS Designation |
|---------------------------|---------------|---------------------|---------------------|------------------|-------------------------------|----------|----------|-------------|-------------------|-------------------|-----------------|
|                           |               | Lbs/ft <sup>3</sup> | Lbs/ft <sup>3</sup> |                  |                               |          |          | Sand/Gravel | Silt <sup>2</sup> | Clay <sup>1</sup> |                 |
|                           |               |                     |                     |                  | %                             | MEQ/100g | mg/kg    | %           | %                 | %                 |                 |
| P16 (0-1)                 | NEA           | 107.8               | 101.1               | 101.1            | 7.7                           | 12.6     | > 7,480  | 76.8        | 18.9              | 4.3               | loamy sand      |
| P16 (4-5)                 | NEA           | 109.7               | 103.7               | 103.7            | 6.9                           | 11.72    | > 4,320  | 80.2        | 16.8              | 3.0               | loamy sand      |
| P17 (0-1)                 | NEA           | 113.3               | 107.2               | 107.2            | 4.7                           | 11.61    | > 2,430  | 84.3        | 12.5              | 3.2               | loamy sand      |
| P17 (0-1) Dup             | NEA           | NA                  | NA                  | NA               | 6.8                           | NA       | > 2,880  | NA          | NA                | NA                | NA              |
| P17 (4-5)                 | NEA           | 124.5               | 110.1               | 110.1            | 12.7                          | 14.37    | > 15,100 | 74.5        | 19.5              | 6.0               | loamy sand      |
| P17 (6-8)                 | NEA           | 128.8               | 113.4               | 113.4            | 10.0                          | 10.59    | > 5,000  | 87.7        | 10.5              | 1.8               | sand            |
| S1 (0-1)                  | SEA           | 113.9               | 108.6               | 108.6            | 3.6                           | 11.41    | > 4,490  | 80.1        | 15.7              | 4.2               | loamy sand      |
| S1 (10-12)                | SEA           | 106.1               | 99.8                | 99.8             | 5.2                           | 13.93    | > 5,520  | 86.9        | 10.1              | 3.0               | loamy sand      |
| S1 (16-17)                | SEA           | 108.8               | 100.2               | 100.2            | 6.9                           | 10.32    | 1,600    | 87.4        | 10.0              | 2.6               | loamy sand      |
| S2 (0-1)                  | NEA           | 142.8               | 136.2               | 136.2            | 5.4                           | 11.35    | 898      | 89.5        | 7.6               | 2.9               | sand            |
| S2 (10-12)                | NEA           | 115.5               | 106.5               | 106.5            | 7.6                           | 10.59    | 6,070    | 82.3        | 14.9              | 2.8               | loamy sand      |
| S2 (18-20)                | NEA           | 123.7               | 111.4               | 111.4            | 22.2                          | 9.15     | 9,090    | 82.8        | 13.4              | 3.8               | loamy sand      |

**Notes:**

- 1 - Clay particles defined as having a size less than 0.002 mm. The percent clay was estimated based on the hydrometer analysis.
- 2 - Silt particles defined as having a size between 0.002 mm and 0.075 mm. Percent silt calculated as mass of soil passing through 200 sieve, minus percent clay.
- 3 - As determined by Method 160.3 MOD (Table D-1). Moisture content determined by other methods (ASTM D2216 and SW846) is presented in the laboratory she (on CD).

J - Estimated; analytical result was above the minimum detection limit, but below the laboratory reporting limit.

CEC - Cation exchange capacity.

MEQ - milli-equivalents.

NA - Not analyzed.

TOC - Total organic carbon

TABLE D-3

Chemical Indicator Parameters Measured in Ground Water

| Parameter               | Units     | B2-8  | B2-14   | PC-2    | PC-4    | PC-56   | PC-56Dup | PC-58    |
|-------------------------|-----------|-------|---------|---------|---------|---------|----------|----------|
| TDS                     | mg/L      | 204   | 7,210   | 9,440   | 288     | 8,170   | 8,775    | 8,790    |
| Conductivity            | umhos/cm  | 9,740 | 9,610   | 9,840   | 10,100  | 12,200  | 12,600   | 10,600   |
| Turbidity               | NTU       | 12.8  | 11.3    | 1,330   | 9.7     | < 0.42  | U < 0.42 | U < 0.42 |
| pH                      | std units | 7.6   | 7.6     | 7.7     | 6.9     | 7.5     | 7.4      | 7.6      |
| Hardness                | mg/L      | 3,750 | 3,300   | 3,150   | 3,500   | 3,950   | 36,000   | 3,650    |
| Alkalinity              | mg/L      | 66    | 77      | 198     | 86      | 150     | 159      | 96       |
| Chloride                | mg/L      | 1,720 | 1,900   | 1,060   | 8.1     | 2,830   | 2,750    | 1,640    |
| Fluoride                | mg/L      | 0.19  | 0.13    | 1.1     | 0.57    | 0.17    | 0.28     | 0.3      |
| Nitrate                 | mg/L      | 14.2  | 39.4    | 9.2     | 24.5    | 17.1    | 17.9     | 21.9     |
| Phosphate (as P)        | mg/L      | < 1.8 | U < 1.8 | U < 1.8 | U < 1.8 | U < 1.8 | U < 3.5  | U < 1.8  |
| Sulfate                 | mg/L      | 2,650 | 1,090   | 3,870   | 570     | 2,180   | 2,090    | 3,330    |
| Calcium                 | mg/L      | 676   | 711     | 595     | 518     | 749     | 724      | 555      |
| Magnesium               | mg/L      | 303   | 310     | 570     | 363     | 269     | 292      | 361      |
| Potassium               | mg/L      | 58    | 75      | 53      | 100     | 36      | 33       | 108      |
| Sodium                  | mg/L      | 861   | 976     | 1,000   | 1,070   | 1,280   | 1,390    | 1,080    |
| Ferrous Fe <sup>1</sup> | mg/L      | ND    | ND      | ND      | ND      | ND      | ND       | ND       |

Notes:

TDS - Total dissolved solids

1 - Ferrous iron was measured in the field but was not detected (ND)

J - Estimated; analytical result was above the minimum detection limit, but below the laboratory reporting limit

U - Result is less than the sample detection limit

TABLE D-4

Summary of Sampling Data for Chemicals in Soil

| Chemical                  | Units | # of Samples* | # of Detects | % of Samples with Detect | Maximum Detect | Minimum Detect | Maximum MDL for Nondetects | Minimum MDL for Nondetects | Region 9 Industrial Soil PRG | # of Detects Exceeding Benchmarks | # of MDLs Exceeding Benchmarks |  |
|---------------------------|-------|---------------|--------------|--------------------------|----------------|----------------|----------------------------|----------------------------|------------------------------|-----------------------------------|--------------------------------|--|
| <b>VOCs and SVOCs</b>     |       |               |              |                          |                |                |                            |                            |                              |                                   |                                |  |
| 1,1,1-Trichloroethane     | ug/kg | 74            | 0            | 0                        |                |                | 0.72                       | 0.44                       | 1200000                      |                                   |                                |  |
| 1,1,2,2-Tetrachloroethane | ug/kg | 74            | 0            | 0                        |                |                | 0.72                       | 0.44                       | 930                          |                                   |                                |  |
| 1,1,1,2-Trichloroethane   | ug/kg | 74            | 0            | 0                        |                |                | 0.71                       | 0.43                       | 1600                         |                                   |                                |  |
| 1,1-Dichloroethane        | ug/kg | 74            | 0            | 0                        |                |                | 0.62                       | 0.38                       | 1700000                      |                                   |                                |  |
| 1,1-Dichloroethene        | ug/kg | 74            | 0            | 0                        |                |                | 2.1                        | 1.3                        | 410000                       |                                   |                                |  |
| 1,2-Dichloroethane        | ug/kg | 74            | 0            | 0                        |                |                | 0.71                       | 0.43                       | 600                          |                                   |                                |  |
| 1,2-Dichloropropane       | ug/kg | 74            | 0            | 0                        |                |                | 0.34                       | 0.21                       | 740                          |                                   |                                |  |
| 2-Butanone                | ug/kg | 74            | 0            | 0                        |                |                | 11                         | 6.6                        | 27000000                     |                                   |                                |  |
| 2-Hexanone                | ug/kg | 74            | 0            | 0                        |                |                | 2.7                        | 1.7                        |                              |                                   |                                |  |
| 4-Methyl-2-pentanone      | ug/kg | 74            | 0            | 0                        |                |                | 2.1                        | 1.3                        | 2800000                      |                                   |                                |  |
| Acetone                   | ug/kg | 74            | 71           | 96                       | 31             | 2.8            | 3                          | 2.8                        | 6000000                      | 0                                 | 0                              |  |
| Benzene                   | ug/kg | 74            | 0            | 0                        |                |                | 0.61                       | 0.37                       | 1300                         |                                   |                                |  |
| Bromodichloromethane      | ug/kg | 74            | 0            | 0                        |                |                | 0.74                       | 0.45                       | 1800                         |                                   |                                |  |
| Bromoform                 | ug/kg | 74            | 0            | 0                        |                |                | 1                          | 0.62                       | 220000                       |                                   |                                |  |
| Bromomethane              | ug/kg | 74            | 0            | 0                        |                |                | 0.98                       | 0.6                        | 13000                        |                                   |                                |  |
| Carbon disulfide          | ug/kg | 74            | 0            | 0                        |                |                | 0.75                       | 0.46                       | 720000                       |                                   |                                |  |
| Carbon tetrachloride      | ug/kg | 74            | 0            | 0                        |                |                | 1.1                        | 0.65                       | 550                          |                                   |                                |  |
| Chlorobenzene             | ug/kg | 74            | 0            | 0                        |                |                | 0.56                       | 0.34                       | 530000                       |                                   |                                |  |
| Chloroethane              | ug/kg | 74            | 0            | 0                        |                |                | 3.6                        | 2.2                        | 6500                         |                                   |                                |  |
| Chloroform                | ug/kg | 74            | 4            | 5                        | 21             | 2.5            | 0.32                       | 0.24                       | 12000                        | 0                                 | 0                              |  |
| Chloromethane             | ug/kg | 74            | 0            | 0                        |                |                | 1.3                        | 0.77                       | 2600                         |                                   |                                |  |
| cis-1,2-Dichloroethene    | ug/kg | 74            | 0            | 0                        |                |                | 0.82                       | 0.5                        | 150000                       |                                   |                                |  |
| cis-1,3-Dichloropropene   | ug/kg | 74            | 0            | 0                        |                |                | 0.85                       | 0.52                       | 1800                         |                                   |                                |  |
| Dibromochloromethane      | ug/kg | 74            | 0            | 0                        |                |                | 0.62                       | 0.38                       | 2600                         |                                   |                                |  |
| Ethylbenzene              | ug/kg | 74            | 1            | 1                        | 1.2            | 1.2            | 1.5                        | 0.89                       | 20000                        | 0                                 | 0                              |  |
| Methylene chloride        | ug/kg | 74            | 28           | 38                       | 17             | 1.1            | 0.77                       | 0.53                       | 21000                        | 0                                 | 0                              |  |
| Styrene                   | ug/kg | 74            | 0            | 0                        |                |                | 0.61                       | 0.37                       | 1700000                      |                                   |                                |  |
| Tetrachloroethene         | ug/kg | 74            | 2            | 3                        | 4.5            | 2              | 0.48                       | 0.36                       | 3400                         | 0                                 | 0                              |  |
| Toluene                   | ug/kg | 74            | 4            | 5                        | 3.7            | 1.4            | 0.89                       | 0.54                       | 520000                       | 0                                 | 0                              |  |
| trans-1,2-Dichloroethene  | ug/kg | 74            | 0            | 0                        |                |                | 0.72                       | 0.44                       | 230000                       |                                   |                                |  |
| trans-1,3-Dichloropropene | ug/kg | 74            | 0            | 0                        |                |                | 0.51                       | 0.31                       | 1800                         |                                   |                                |  |
| Trichloroethene           | ug/kg | 74            | 0            | 0                        |                |                | 0.51                       | 0.31                       | 110                          |                                   |                                |  |
| Trichlorofluoromethane    | ug/kg | 74            | 0            | 0                        |                |                | 1.1                        | 0.7                        | 2000000                      |                                   |                                |  |
| Vinyl acetate             | ug/kg | 74            | 0            | 0                        |                |                | 0.92                       | 0.56                       | 1400000                      |                                   |                                |  |
| Vinyl chloride            | ug/kg | 74            | 0            | 0                        |                |                | 1.3                        | 0.79                       | 750                          |                                   |                                |  |
| Xylenes (total)           | ug/kg | 74            | 3            | 4                        | 3.9            | 1.8            | 1.8                        | 1.1                        | 420000                       | 0                                 | 0                              |  |
| 1,2,4-Trichlorobenzene    | ug/kg | 74            | 0            | 0                        |                |                | 38                         | 23                         | 3100000                      |                                   |                                |  |
| 1,2-Dichlorobenzene       | ug/kg | 74            | 0            | 0                        |                |                | 270                        | 170                        | 370000                       |                                   |                                |  |

**TABLE D-4**  
**Summary of Sampling Data for Chemicals in Soil**

| Chemical                    | Units | # of Samples* | # of Detects | % of Samples with Detect | Maximum Detect | Minimum Detect | Maximum MDL for Nondetects | Minimum MDL for Nondetects | Region 9 Industrial Soil PRG | # of Detects Exceeding Benchmarks | # of MDLs Exceeding Benchmarks |
|-----------------------------|-------|---------------|--------------|--------------------------|----------------|----------------|----------------------------|----------------------------|------------------------------|-----------------------------------|--------------------------------|
| 1,3-Dichlorobenzene         | ug/kg | 74            | 0            | 0                        |                |                | 270                        | 170                        | 63000                        |                                   |                                |
| 1,4-Dichlorobenzene         | ug/kg | 74            | 0            | 0                        |                |                | 270                        | 170                        | 7900                         |                                   |                                |
| 2,2-oxybis(1-Chloropropane) | ug/kg | 74            | 0            | 0                        |                |                | 46                         | 29                         |                              |                                   |                                |
| 2,4,5-Trichlorophenol       | ug/kg | 74            | 0            | 0                        |                |                | 180                        | 110                        | 6200000                      |                                   |                                |
| 2,4,6-Trichlorophenol       | ug/kg | 74            | 0            | 0                        |                |                | 140                        | 87                         | 62000                        |                                   |                                |
| 2,4-Dichlorophenol          | ug/kg | 74            | 0            | 0                        |                |                | 260                        | 160                        | 1800000                      |                                   |                                |
| 2,4-Dimethylphenol          | ug/kg | 74            | 0            | 0                        |                |                | 140                        | 88                         | 1200000                      |                                   |                                |
| 2,4-Dinitrophenol           | ug/kg | 74            | 0            | 0                        |                |                | 410                        | 250                        | 1200000                      |                                   |                                |
| 2,4-Dinitrotoluene          | ug/kg | 74            | 0            | 0                        |                |                | 80                         | 50                         | 1200000                      |                                   |                                |
| 2,6-Dinitrotoluene          | ug/kg | 74            | 0            | 0                        |                |                | 270                        | 170                        | 620000                       |                                   |                                |
| 2-Chloronaphthalene         | ug/kg | 74            | 0            | 0                        |                |                | 33                         | 20                         | 23000000                     |                                   |                                |
| 2-Chlorophenol              | ug/kg | 74            | 0            | 0                        |                |                | 85                         | 53                         | 240000                       |                                   |                                |
| 2-Methylnaphthalene         | ug/kg | 74            | 0            | 0                        |                |                | 49                         | 31                         |                              |                                   |                                |
| 2-Methylphenol              | ug/kg | 74            | 0            | 0                        |                |                | 69                         | 43                         | 3100000                      |                                   |                                |
| 2-Nitroaniline              | ug/kg | 74            | 0            | 0                        |                |                | 29                         | 18                         | 18000                        |                                   |                                |
| 2-Nitrophenol               | ug/kg | 74            | 0            | 0                        |                |                | 90                         | 56                         |                              |                                   |                                |
| 3,3'-Dichlorobenzidine      | ug/kg | 74            | 0            | 0                        |                |                | 270                        | 170                        | 3800                         |                                   |                                |
| 3-Nitroaniline              | ug/kg | 74            | 0            | 0                        |                |                | 25                         | 16                         |                              |                                   |                                |
| 4,6-Dinitro-2-methylphenol  | ug/kg | 74            | 0            | 0                        |                |                | 57                         | 36                         |                              |                                   |                                |
| 4-Bromophenyl phenyl ether  | ug/kg | 74            | 0            | 0                        |                |                | 77                         | 48                         |                              |                                   |                                |
| 4-Chloro-3-methylphenol     | ug/kg | 74            | 0            | 0                        |                |                | 140                        | 87                         |                              |                                   |                                |
| 4-Chloroaniline             | ug/kg | 74            | 0            | 0                        |                |                | 270                        | 170                        | 2500000                      |                                   |                                |
| 4-Chlorophenyl phenyl ether | ug/kg | 74            | 0            | 0                        |                |                | 59                         | 37                         |                              |                                   |                                |
| 4-Methylphenol              | ug/kg | 74            | 0            | 0                        |                |                | 100                        | 65                         | 3100000                      |                                   |                                |
| 4-Nitroaniline              | ug/kg | 74            | 0            | 0                        |                |                | 34                         | 21                         |                              |                                   |                                |
| 4-Nitrophenol               | ug/kg | 74            | 0            | 0                        |                |                | 110                        | 66                         |                              |                                   |                                |
| Acenaphthene                | ug/kg | 74            | 0            | 0                        |                |                | 67                         | 42                         | 29000000                     |                                   |                                |
| Acenaphthylene              | ug/kg | 74            | 0            | 0                        |                |                | 49                         | 31                         |                              |                                   |                                |
| Anthracene                  | ug/kg | 74            | 0            | 0                        |                |                | 89                         | 55                         | 100000000                    |                                   |                                |
| Benzo(a)anthracene          | ug/kg | 74            | 0            | 0                        |                |                | 43                         | 27                         | 2100                         |                                   |                                |
| Benzo(a)pyrene              | ug/kg | 74            | 0            | 0                        |                |                | 66                         | 41                         | 210                          |                                   |                                |
| Benzo(b)fluoranthene        | ug/kg | 74            | 0            | 0                        |                |                | 79                         | 49                         | 2100                         |                                   |                                |
| Benzo(g)perylene            | ug/kg | 74            | 0            | 0                        |                |                | 92                         | 57                         |                              |                                   |                                |
| Benzo(k)fluoranthene        | ug/kg | 74            | 0            | 0                        |                |                | 93                         | 58                         | 21000                        |                                   |                                |
| bis(2-Chloroethoxy)methane  | ug/kg | 74            | 0            | 0                        |                |                | 49                         | 31                         |                              |                                   |                                |
| bis(2-Chloroethyl) ether    | ug/kg | 74            | 0            | 0                        |                |                | 54                         | 34                         | 550                          |                                   |                                |
| bis(2-Ethylhexyl)phthalate  | ug/kg | 74            | 0            | 0                        |                |                | 71                         | 44                         | 120000                       |                                   |                                |
| Butyl benzyl phthalate      | ug/kg | 74            | 1            | 1                        | 80             | 80             | 44                         | 28                         | 100000000                    | 0                                 | 0                              |
| Carbazole                   | ug/kg | 74            | 0            | 0                        |                |                | 270                        | 170                        | 86000                        |                                   |                                |

TABLE D-4  
Summary of Sampling Data for Chemicals in Soil

| Chemical                  | Units | # of Samples* | # of Detects | % of Samples with Detect | Maximum Detect | Minimum Detect | Maximum MDL for Nondetects | Minimum MDL for Nondetects | Region 9 Industrial Soil PRG | # of Detects Exceeding Benchmarks | # of MDLs Exceeding Benchmarks |
|---------------------------|-------|---------------|--------------|--------------------------|----------------|----------------|----------------------------|----------------------------|------------------------------|-----------------------------------|--------------------------------|
| Chrysene                  | ug/kg | 74            | 0            | 0                        |                |                | 110                        | 68                         | 210000                       |                                   |                                |
| Dibenzo(a,h)anthracene    | ug/kg | 74            | 0            | 0                        |                |                | 85                         | 53                         | 210                          |                                   |                                |
| Dibenzofuran              | ug/kg | 74            | 0            | 0                        |                |                | 92                         | 57                         | 3100000                      |                                   |                                |
| Diethyl phthalate         | ug/kg | 74            | 0            | 0                        |                |                | 67                         | 42                         | 100000000                    |                                   |                                |
| Dimethyl phthalate        | ug/kg | 74            | 0            | 0                        |                |                | 41                         | 25                         | 100000000                    |                                   |                                |
| Di-n-butyl phthalate      | ug/kg | 74            | 1            | 1                        | 130            | 130            | 100                        | 63                         | 6200000                      | 0                                 | 0                              |
| Di-n-octyl phthalate      | ug/kg | 74            | 0            | 0                        |                |                | 67                         | 42                         | 2500000                      |                                   |                                |
| Fluoranthene              | ug/kg | 74            | 0            | 0                        |                |                | 84                         | 52                         | 2200000                      |                                   |                                |
| Fluorene                  | ug/kg | 74            | 0            | 0                        |                |                | 93                         | 58                         | 2600000                      |                                   |                                |
| Hexachlorobenzene         | ug/kg | 74            | 0            | 0                        |                |                | 71                         | 44                         | 1100                         |                                   |                                |
| Hexachlorobutadiene       | ug/kg | 74            | 0            | 0                        |                |                | 66                         | 41                         | 22000                        |                                   |                                |
| Hexachlorocyclopentadiene | ug/kg | 74            | 0            | 0                        |                |                | 51                         | 31                         | 3700000                      |                                   |                                |
| Hexachloroethane          | ug/kg | 74            | 0            | 0                        |                |                | 270                        | 170                        | 120000                       |                                   |                                |
| Indeno(1,2,3-cd)pyrene    | ug/kg | 74            | 0            | 0                        |                |                | 30                         | 18                         | 2100                         |                                   |                                |
| Isophorone                | ug/kg | 74            | 0            | 0                        |                |                | 54                         | 34                         | 1800000                      |                                   |                                |
| Naphthalene               | ug/kg | 74            | 0            | 0                        |                |                | 66                         | 41                         | 190000                       |                                   |                                |
| Nitrobenzene              | ug/kg | 74            | 0            | 0                        |                |                | 57                         | 36                         | 100000                       |                                   |                                |
| N-Nitrosodi-n-propylamine | ug/kg | 74            | 0            | 0                        |                |                | 39                         | 24                         | 250                          |                                   |                                |
| N-Nitrosodiphenylamine    | ug/kg | 74            | 0            | 0                        |                |                | 270                        | 170                        | 350000                       |                                   |                                |
| Pentachlorophenol         | ug/kg | 74            | 0            | 0                        |                |                | 410                        | 250                        | 9000                         |                                   |                                |
| Phenanthrene              | ug/kg | 74            | 0            | 0                        |                |                | 85                         | 53                         |                              |                                   |                                |
| Phenol                    | ug/kg | 74            | 1            | 1                        | 120            | 120            | 97                         | 60                         | 100000000                    | 0                                 | 0                              |
| Pyrene                    | ug/kg | 74            | 0            | 0                        |                |                | 95                         | 59                         | 29000000                     |                                   |                                |
| <b>Metals</b>             |       |               |              |                          |                |                |                            |                            |                              |                                   |                                |
| Aluminum                  | mg/kg | 74            | 74           | 100                      | 19000          | 5260           |                            |                            | 100000                       | 0                                 | 0                              |
| Antimony                  | mg/kg | 74            | 1            | 1                        | 1.3            | 1.3            | 0.26                       | 0.16                       | 410                          | 0                                 | 0                              |
| Arsenic                   | mg/kg | 74            | 74           | 100                      | 35.9           | 1.3            |                            |                            | 2                            | 62                                | 0                              |
| Barium                    | mg/kg | 74            | 74           | 100                      | 1100           | 26.4           |                            |                            | 67000                        | 0                                 | 0                              |
| Beryllium                 | mg/kg | 74            | 74           | 100                      | 0.93           | 0.27           |                            |                            | 1900                         | 0                                 | 0                              |
| Cadmium                   | mg/kg | 74            | 74           | 100                      | 0.43           | 0.033          |                            |                            | 450                          | 0                                 | 0                              |
| Chromium (hexavalent)     | mg/kg | 74            | 0            | 0                        |                |                | 0.089                      | 0.055                      | 64                           | 0                                 | 0                              |
| Chromium (total)          | mg/kg | 74            | 74           | 100                      | 36.3           | 4.2            |                            |                            | 450                          | 0                                 | 0                              |
| Cobalt                    | mg/kg | 74            | 74           | 100                      | 10             | 2.6            |                            |                            | 1900                         | 0                                 | 0                              |
| Copper                    | mg/kg | 74            | 74           | 100                      | 43.1           | 8.5            |                            |                            | 41000                        | 0                                 | 0                              |
| Iron                      | mg/kg | 74            | 74           | 100                      | 25500          | 7180           |                            |                            | 100000                       | 0                                 | 0                              |
| Lead                      | mg/kg | 74            | 74           | 100                      | 379            | 4.3            |                            |                            | 750                          | 0                                 | 0                              |
| Magnesium                 | mg/kg | 74            | 74           | 100                      | 79500          | 4270           |                            |                            | 19000                        | 0                                 | 0                              |
| Manganese                 | mg/kg | 74            | 74           | 100                      | 2030           | 132            |                            |                            | 19000                        | 0                                 | 0                              |

TABLE D-4  
Summary of Sampling Data for Chemicals in Soil

| Chemical              | Units | # of Samples* | # of Detects | % of Samples with Detect | Maximum Detect | Minimum Detect | Maximum MDL for Nondetects | Minimum MDL for Nondetects | Region 9 Industrial Soil PRG | # of Detects Exceeding Benchmarks | # of MDLs Exceeding Benchmarks |  |
|-----------------------|-------|---------------|--------------|--------------------------|----------------|----------------|----------------------------|----------------------------|------------------------------|-----------------------------------|--------------------------------|--|
| Mercury               | mg/kg | 74            | 46           | 62                       | 0.096          | 0.0077         | 0.011                      | 0.0072                     | 310                          | 0                                 | 0                              |  |
| Molybdenum            | mg/kg | 74            | 74           | 100                      | 7.2            | 0.12           |                            |                            | 5100                         | 0                                 | 0                              |  |
| Nickel                | mg/kg | 74            | 74           | 100                      | 18.2           | 5.4            |                            |                            | 20000                        | 0                                 | 0                              |  |
| Selenium              | mg/kg | 74            | 74           | 100                      | 2.5            | 0.13           |                            |                            | 5100                         | 0                                 | 0                              |  |
| Silver                | mg/kg | 74            | 74           | 100                      | 0.67           | 0.053          |                            |                            | 5100                         | 0                                 | 0                              |  |
| Thallium              | mg/kg | 74            | 74           | 100                      | 1.1            | 0.03           |                            |                            | 67                           | 0                                 | 0                              |  |
| Thorium               | mg/kg | 74            | 74           | 100                      | 10.4           | 3.7            |                            |                            |                              | 0                                 | 0                              |  |
| Titanium              | mg/kg | 74            | 74           | 100                      | 1500           | 233            |                            |                            |                              | 0                                 | 0                              |  |
| Vanadium              | mg/kg | 74            | 74           | 100                      | 57.5           | 18.4           |                            |                            | 7200                         | 0                                 | 0                              |  |
| Zinc                  | mg/kg | 74            | 74           | 100                      | 108            | 19.1           |                            |                            | 100000                       | 0                                 | 0                              |  |
| <b>Dioxins/Furans</b> |       |               |              |                          |                |                |                            |                            |                              |                                   |                                |  |
| 1,2,3,4,6,7,8-HpCDD   | pg/g  | 74            | 10           | 14                       | 50             | 3              | 2.7                        | 0.25                       |                              | 0                                 | 0                              |  |
| 1,2,3,4,6,7,8-HpCDF   | pg/g  | 74            | 17           | 23                       | 320            | 3.7            | 2.4                        | 0.2                        |                              | 0                                 | 0                              |  |
| 1,2,3,4,7,8,9-HpCDF   | pg/g  | 74            | 12           | 16                       | 160            | 3.1            | 2.8                        | 0.18                       |                              | 0                                 | 0                              |  |
| 1,2,3,4,7,8-HxCDD     | pg/g  | 74            | 1            | 1                        | 3.6            | 3.6            | 1.5                        | 0.16                       |                              | 0                                 | 0                              |  |
| 1,2,3,4,7,8-HxCDF     | pg/g  | 74            | 14           | 19                       | 170            | 2.8            | 2.8                        | 0.15                       |                              | 0                                 | 0                              |  |
| 1,2,3,6,7,8-HxCDD     | pg/g  | 74            | 3            | 4                        | 10             | 3.4            | 2.1                        | 0.22                       |                              | 0                                 | 0                              |  |
| 1,2,3,6,7,8-HxCDF     | pg/g  | 74            | 12           | 16                       | 110            | 3.1            | 2.8                        | 0.12                       |                              | 0                                 | 0                              |  |
| 1,2,3,7,8,9-HxCDD     | pg/g  | 74            | 3            | 4                        | 8.9            | 3.1            | 1.7                        | 0.23                       |                              | 0                                 | 0                              |  |
| 1,2,3,7,8,9-HxCDF     | pg/g  | 74            | 3            | 4                        | 20             | 3.4            | 2.3                        | 0.15                       |                              | 0                                 | 0                              |  |
| 1,2,3,7,8-PeCDD       | pg/g  | 74            | 1            | 1                        | 6.4            | 6.4            | 1.5                        | 0.29                       |                              | 0                                 | 0                              |  |
| 1,2,3,7,8-PeCDF       | pg/g  | 74            | 11           | 15                       | 85             | 2.9            | 2.7                        | 0.19                       |                              | 0                                 | 0                              |  |
| 2,3,4,6,7,8-HxCDF     | pg/g  | 74            | 5            | 7                        | 28             | 2.8            | 2.6                        | 0.14                       |                              | 0                                 | 0                              |  |
| 2,3,4,7,8-PeCDF       | pg/g  | 74            | 7            | 9                        | 45             | 4              | 2.6                        | 0.19                       |                              | 0                                 | 0                              |  |
| 2,3,7,8-TCDD          | pg/g  | 74            | 1            | 1                        | 2.1            | 2.1            | 0.72                       | 0.17                       | 16                           | 0                                 | 0                              |  |
| 2,3,7,8-TCDF          | pg/g  | 74            | 16           | 22                       | 51             | 0.56           | 0.83                       | 0.12                       |                              | 0                                 | 0                              |  |
| Dioxins/Furans TEQ    | pg/g  | 72            | 72           | 100                      | 81.7           | 0.33614        |                            |                            |                              | 0                                 | 0                              |  |
| OCDD                  | pg/g  | 74            | 24           | 32                       | 200            | 5.5            | 5.4                        | 0.56                       |                              | 0                                 | 0                              |  |
| OCDF                  | pg/g  | 74            | 22           | 30                       | 4000           | 5.9            | 4.9                        | 0.65                       |                              | 0                                 | 0                              |  |
| <b>Pesticides</b>     |       |               |              |                          |                |                |                            |                            |                              |                                   |                                |  |
| 4,4'-DDD              | ug/kg | 74            | 2            | 3                        | 3.4            | 2.2            | 6.7                        | 0.65                       | 10000                        | 0                                 | 0                              |  |
| 4,4'-DDE              | ug/kg | 74            | 10           | 14                       | 150            | 2.1            | 1.4                        | 0.9                        | 7000                         | 0                                 | 0                              |  |
| 4,4'-DDT              | ug/kg | 74            | 9            | 12                       | 69             | 1.8            | 7.4                        | 0.71                       | 7000                         | 0                                 | 0                              |  |
| Aldrin                | ug/kg | 74            | 0            | 0                        |                |                | 6.9                        | 0.67                       | 100                          |                                   |                                |  |
| alpha-BHC             | ug/kg | 74            | 0            | 0                        |                |                | 8                          | 0.78                       | 360                          |                                   |                                |  |
| alpha-Chlordane       | ug/kg | 74            | 1            | 1                        | 12             | 4.7            | 4.7                        | 0.46                       | 6500                         | 0                                 | 0                              |  |

TABLE D-4  
Summary of Sampling Data for Chemicals in Soil

| Chemical                       | Units | # of Samples* | # of Detects | % of Samples with Detect | Maximum Detect | Minimum Detect | Maximum MDL for Nondetects | Minimum MDL for Nondetects | Region 9 Industrial Soil PRG | # of Detects Exceeding Benchmarks | # of MDLs Exceeding Benchmarks |
|--------------------------------|-------|---------------|--------------|--------------------------|----------------|----------------|----------------------------|----------------------------|------------------------------|-----------------------------------|--------------------------------|
| Azinphos-methyl                | ug/kg | 74            | 0            | 0                        |                |                | 6.8                        | 4.2                        |                              |                                   |                                |
| beta-BHC                       | ug/kg | 74            | 8            | 11                       | 20             | 2.8            | 7.5                        | 0.73                       | 1300                         | 0                                 | 0                              |
| Bolstar                        | ug/kg | 74            | 0            | 0                        |                |                | 3.2                        | 2                          |                              |                                   |                                |
| Chlorpyrifos                   | ug/kg | 74            | 0            | 0                        |                |                | 4.8                        | 3                          | 1800000                      |                                   |                                |
| Coumaphos                      | ug/kg | 74            | 0            | 0                        |                |                | 4.1                        | 2.5                        |                              |                                   |                                |
| delta-BHC                      | ug/kg | 74            | 0            | 0                        |                |                | 4.6                        | 0.45                       |                              |                                   |                                |
| Demeton (total)                | ug/kg | 74            | 0            | 0                        |                |                | 11                         | 6.6                        | 25000                        |                                   |                                |
| Diazinon                       | ug/kg | 74            | 0            | 0                        |                |                | 3.2                        | 2                          | 550000                       |                                   |                                |
| Dichlorvos                     | ug/kg | 74            | 0            | 0                        |                |                | 7.3                        | 4.5                        | 5900                         |                                   |                                |
| Dieldrin                       | ug/kg | 74            | 3            | 4                        | 4.3            | 1.9            | 6.1                        | 0.59                       | 110                          | 0                                 | 0                              |
| Dimethoate                     | ug/kg | 74            | 0            | 0                        |                |                | 6.2                        | 3.8                        | 120000                       |                                   |                                |
| Disulfoton                     | ug/kg | 74            | 0            | 0                        |                |                | 3.4                        | 2.1                        | 25000                        |                                   |                                |
| Endosulfan I                   | ug/kg | 74            | 0            | 0                        |                |                | 5.3                        | 0.51                       | 3700000                      |                                   |                                |
| Endosulfan II                  | ug/kg | 74            | 1            | 1                        | 6              | 4.4            | 6.6                        | 0.64                       | 3700000                      | 0                                 | 0                              |
| Endosulfan sulfate             | ug/kg | 74            | 1            | 1                        | 8.7            | 8.7            | 5.6                        | 0.54                       | 3700000                      | 0                                 | 0                              |
| Endrin                         | ug/kg | 74            | 1            | 1                        | 21             | 5.9            | 5.9                        | 0.57                       | 180000                       | 0                                 | 0                              |
| Endrin aldehyde                | ug/kg | 74            | 2            | 3                        | 13             | 2.5            | 12                         | 1.2                        | 180000                       | 0                                 | 0                              |
| Endrin ketone                  | ug/kg | 74            | 1            | 1                        | 2.8            | 2.8            | 5.6                        | 0.54                       | 180000                       | 0                                 | 0                              |
| Ethoprop                       | ug/kg | 74            | 0            | 0                        |                |                | 4.9                        | 3                          |                              |                                   |                                |
| Ethyl parathion                | ug/kg | 74            | 0            | 0                        |                |                | 2.4                        | 1.5                        |                              |                                   |                                |
| Famphur                        | ug/kg | 74            | 0            | 0                        |                |                | 4.2                        | 2.6                        |                              |                                   |                                |
| Fensulfotion                   | ug/kg | 74            | 0            | 0                        |                |                | 9.3                        | 5.8                        |                              |                                   |                                |
| Fenthion                       | ug/kg | 74            | 0            | 0                        |                |                | 9.5                        | 5.9                        |                              |                                   |                                |
| gamma-BHC                      | ug/kg | 74            | 0            | 0                        |                |                | 6.2                        | 0.6                        | 17000                        |                                   |                                |
| gamma-Chlordane                | ug/kg | 74            | 1            | 1                        | 8.1            | 4.2            | 10                         | 0.98                       | 6500                         | 0                                 | 0                              |
| Heptachlor                     | ug/kg | 74            | 0            | 0                        |                |                | 6.3                        | 0.61                       | 380                          |                                   |                                |
| Heptachlor epoxide             | ug/kg | 74            | 2            | 3                        | 5.5            | 2.7            | 4.9                        | 0.48                       | 190                          | 0                                 | 0                              |
| Malathion                      | ug/kg | 74            | 0            | 0                        |                |                | 8.2                        | 5.1                        | 1200000                      |                                   |                                |
| Merphos                        | ug/kg | 74            | 0            | 0                        |                |                | 9.1                        | 5.7                        | 18000                        |                                   |                                |
| Methoxychlor                   | ug/kg | 74            | 2            | 3                        | 27             | 6.9            | 14                         | 1.3                        | 3100000                      | 0                                 | 0                              |
| Methyl parathion               | ug/kg | 74            | 0            | 0                        |                |                | 8.1                        | 5                          | 150000                       |                                   |                                |
| Mevinphos                      | ug/kg | 74            | 0            | 0                        |                |                | 5.7                        | 3.5                        |                              |                                   |                                |
| Naled                          | ug/kg | 74            | 0            | 0                        |                |                | 140                        | 84                         | 1200000                      |                                   |                                |
| O,O,O-Triethylphosphorothioate | ug/kg | 74            | 0            | 0                        |                |                | 3.6                        | 2.2                        |                              |                                   |                                |
| Phorate                        | ug/kg | 74            | 0            | 0                        |                |                | 3.6                        | 2.3                        | 120000                       |                                   |                                |
| Ronnel                         | ug/kg | 74            | 0            | 0                        |                |                | 6.2                        | 3.9                        | 3100000                      |                                   |                                |
| Sulfotepp                      | ug/kg | 74            | 0            | 0                        |                |                | 3.2                        | 2                          |                              |                                   |                                |
| Tetrachlorvinphos              | ug/kg | 74            | 0            | 0                        |                |                | 4.4                        | 2.7                        | 72000                        |                                   |                                |

**TABLE D-4**  
**Summary of Sampling Data for Chemicals in Soil**

| Chemical                    | Units | # of Samples* | # of Detects | % of Samples with Detect | Maximum Detect | Minimum Detect | Maximum MDL for Nondetects | Minimum MDL for Nondetects | Region 9 Industrial Soil PRG | # of Detects Exceeding Benchmarks | # of MDLs Exceeding Benchmarks |
|-----------------------------|-------|---------------|--------------|--------------------------|----------------|----------------|----------------------------|----------------------------|------------------------------|-----------------------------------|--------------------------------|
| Thionazin                   | ug/kg | 74            | 0            | 0                        | 3.5            | 2.2            |                            |                            |                              |                                   |                                |
| Toxathion                   | ug/kg | 74            | 0            | 0                        | 3.3            | 2              |                            |                            |                              |                                   |                                |
| Toxaphene                   | ug/kg | 74            | 0            | 0                        | 440            | 43             |                            |                            | 1600                         |                                   |                                |
| Trichloronate               | ug/kg | 74            | 0            | 0                        | 3.6            | 2.2            |                            |                            |                              |                                   |                                |
| <b>PCBs</b>                 |       |               |              |                          |                |                |                            |                            |                              |                                   |                                |
| Aroclor 1016                | ug/kg | 74            | 0            | 0                        | 16             | 2.7            |                            |                            | 21000                        |                                   |                                |
| Aroclor 1221                | ug/kg | 74            | 0            | 0                        | 16             | 2.7            |                            |                            | 740                          |                                   |                                |
| Aroclor 1232                | ug/kg | 74            | 0            | 0                        | 16             | 2.7            |                            |                            | 740                          |                                   |                                |
| Aroclor 1242                | ug/kg | 74            | 0            | 0                        | 16             | 2.7            |                            |                            | 740                          |                                   |                                |
| Aroclor 1248                | ug/kg | 74            | 0            | 0                        | 16             | 2.7            |                            |                            | 740                          |                                   |                                |
| Aroclor 1254                | ug/kg | 74            | 0            | 0                        | 14             | 6.3            |                            |                            | 740                          |                                   |                                |
| Aroclor 1260                | ug/kg | 74            | 0            | 0                        | 14             | 6.3            |                            |                            | 740                          |                                   |                                |
| <b>Other</b>                |       |               |              |                          |                |                |                            |                            |                              |                                   |                                |
| Perchlorate                 | ug/kg | 74            | 72           | 97                       | 59900          | 34.5           | 21.1                       | 20.8                       | 100000                       | 0                                 | 0                              |
| Total Cyanide               | mg/kg | 74            | 0            | 0                        | 0.21           | 0.13           |                            |                            | 12000                        |                                   |                                |
| Asbestos (PLM-based method) | %     | 74            | 0            | 0                        | 0.1%**         | 0.1%**         |                            |                            |                              |                                   |                                |
| <b>Radionuclides</b>        |       |               |              |                          |                |                |                            |                            |                              |                                   |                                |
| Uranium 238                 | pCi/g | 74            | 74           | 100                      | 4.45           | 0.58           |                            |                            |                              | 0                                 | 0                              |
| Thorium 234                 | pCi/g | 74            | 33           | 45                       | 4.5            | 1.14           | 2.6                        | 0.9                        |                              | 0                                 | 0                              |
| Uranium 234                 | pCi/g | 74            | 74           | 100                      | 4.6            | 0.6            |                            |                            |                              | 0                                 | 0                              |
| Thorium 230                 | pCi/g | 74            | 74           | 100                      | 4.6            | 0.8            |                            |                            |                              | 0                                 | 0                              |
| Radium 226                  | pCi/g | 73            | 60           | 82                       | 4              | 0.38           | 0.39                       | 0.23                       |                              | 0                                 | 0                              |
| Lead 214                    | pCi/g | 74            | 74           | 100                      | 4.7            | 0.56           |                            |                            |                              | 0                                 | 0                              |
| Bismuth 214                 | pCi/g | 74            | 74           | 100                      | 4.43           | 0.6            |                            |                            |                              | 0                                 | 0                              |
| Lead 210                    | pCi/g | 74            | 22           | 30                       | 6.9            | 2.1            | 3.6                        | 1.2                        |                              | 0                                 | 0                              |
| Thorium 232                 | pCi/g | 74            | 74           | 100                      | 1.79           | 0.78           |                            |                            |                              | 0                                 | 0                              |
| Radium 228                  | pCi/g | 74            | 74           | 100                      | 3.00           | 0.74           |                            |                            |                              | 0                                 | 0                              |
| Actinium 228                | pCi/g | 74            | 70           | 95                       | 2              | 0.8            | 1                          | 0.79                       |                              | 0                                 | 0                              |
| Thorium 228                 | pCi/g | 74            | 74           | 100                      | 1.82           | 0.61           |                            |                            |                              | 0                                 | 0                              |
| Radium 224                  | pCi/g | 74            | 63           | 85                       | 9.6            | 2              | 2.9                        | 2.1                        |                              | 0                                 | 0                              |
| Lead 212                    | pCi/g | 74            | 74           | 100                      | 1.52           | 0.67           |                            |                            |                              | 0                                 | 0                              |
| Bismuth 212                 | pCi/g | 74            | 18           | 24                       | 2.7            | 1.97           | 3.4                        | 1.8                        |                              | 0                                 | 0                              |
| Thallium 208                | pCi/g | 74            | 73           | 99                       | 0.59           | 0.23           | 0.3                        | 0.3                        |                              | 0                                 | 0                              |
| Potassium 40                | pCi/g | 74            | 74           | 100                      | 31             | 15.5           |                            |                            |                              | 0                                 | 0                              |
| Uranium 235                 | pCi/g | 74            | 41           | 55                       | 0.21           | 0.048          | 0.19                       | 0.042                      |                              | 0                                 | 0                              |

**Notes:**  
\* - Number of samples includes field duplicates  
\*\* - Laboratory-estimated detection limit



**TABLE D-5  
Comparison of Detected Ground Water Concentrations with Regulatory Levels**

| Chemical                                                                                                                                                                   | Detected Ground Water Concentration<br>(ug/L for chemicals; pCi/L for radionuclides) |         |         |             |         |         |         | MCL             | Freshwater<br>AWQC <sup>a</sup><br>(ug/L) | Region 9<br>Tap Water<br>PRG<br>(ug/L) | Other<br>(ug/L)                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------|---------|-------------|---------|---------|---------|-----------------|-------------------------------------------|----------------------------------------|---------------------------------------|
|                                                                                                                                                                            | PC-2                                                                                 | PC-4    | PC-56   | PC-56 (DUP) | PC-58   | B2-8    | B2-14   |                 |                                           |                                        |                                       |
| <b>Volatile Organic Compounds</b>                                                                                                                                          |                                                                                      |         |         |             |         |         |         |                 |                                           |                                        |                                       |
| Acetone                                                                                                                                                                    | 3                                                                                    | < 2.6   | < 2.6   | < 2.6       | 2.7     |         | 2.8     |                 |                                           | 610                                    |                                       |
| Carbon tetrachloride                                                                                                                                                       | < 0.65                                                                               | 1.6     | < 0.65  | < 0.65      | 1.1     |         | < 0.65  | 5               |                                           | 0.17                                   |                                       |
| Chloroform                                                                                                                                                                 | 19                                                                                   | 150     | < 0.24  | < 0.24      | 130     |         | 93      | 80 <sup>b</sup> |                                           | 6.2                                    |                                       |
| Tetrachloroethene                                                                                                                                                          | < 0.36                                                                               | < 0.36  | < 0.36  | < 0.36      | 1       |         | 3.3     | 5               |                                           | 0.66                                   |                                       |
| Toluene                                                                                                                                                                    | < 0.54                                                                               | < 0.54  | < 0.54  | < 0.54      | < 0.54  |         | 0.72    | 1000            |                                           | 720                                    |                                       |
| bis(2-Ethylhexyl)phthalate                                                                                                                                                 | < 1.3                                                                                | < 1.3   | 2.7     | < 1.3       | < 1.3   | < 1.3   | < 1.3   |                 |                                           | 4.8                                    |                                       |
| <b>Metals</b>                                                                                                                                                              |                                                                                      |         |         |             |         |         |         |                 |                                           |                                        |                                       |
| Aluminum                                                                                                                                                                   | 82600                                                                                | 664     | 547     | 58.2        | 5370    | 844     | 408     |                 | 87 <sup>c</sup>                           | 36000                                  | 50-200 <sup>d</sup>                   |
| Arsenic                                                                                                                                                                    | 108                                                                                  | 55.9    | 77.3    | 77.2        | 142     | < 0.22  | 86.3    | 10              | 150                                       | 0.045                                  |                                       |
| Barium                                                                                                                                                                     | 22.1                                                                                 | 30.2    | 42.2    | 41.2        | 1150    | < 2.0   | 12.1    | 2000            |                                           | 2600                                   |                                       |
| Beryllium                                                                                                                                                                  | < 0.10                                                                               | < 0.10  | < 0.10  | < 0.10      | 5.1     | < 0.10  | < 0.10  | 4               |                                           | 73                                     |                                       |
| Cadmium                                                                                                                                                                    | 3.1                                                                                  | 2.1     | 0.53    | 0.5         | 3.5     | < 0.12  | 1.1     | 5               | 57 <sup>e</sup>                           | 18                                     |                                       |
| Chromium (hexavalent)                                                                                                                                                      | < 4.5                                                                                | 97.3    | < 4.5   | < 4.5       | 72.3    | 66      | 82.3    |                 | 11                                        | 110                                    |                                       |
| Chromium (total)                                                                                                                                                           | 41.5                                                                                 | 77.2    | 0.79    | 0.92        | 85      | 0.73    | 60.2    | 100             | 2733 <sup>c</sup>                         | 55000 <sup>f</sup>                     |                                       |
| Cobalt                                                                                                                                                                     | 0.37                                                                                 | 0.02    | 0.13    | 0.14        | 0.05    | 0.03    | 0.03    |                 |                                           | 730                                    |                                       |
| Copper                                                                                                                                                                     | < 19.5                                                                               | < 19.5  | < 19.5  | < 19.5      | 71.9    | < 19.5  | < 19.5  |                 | 386 <sup>e</sup>                          | 1500                                   | 1000 <sup>d</sup> , 1300 <sup>g</sup> |
| Iron                                                                                                                                                                       | 68500                                                                                | 546     | 154     | 136         | 4430    | 769     | 99.9    |                 | 1000                                      | 11000                                  | 300 <sup>d</sup>                      |
| Lead                                                                                                                                                                       | 0.6                                                                                  | 0.52    | < 0.43  | < 0.43      | 37      | < 0.43  | < 0.43  |                 | 129 <sup>e</sup>                          |                                        | 15 <sup>h</sup>                       |
| Magnesium                                                                                                                                                                  | 570000                                                                               | 363000  | 269000  | 292000      | 361000  | 303000  | 310000  |                 |                                           |                                        |                                       |
| Manganese                                                                                                                                                                  | 14.4                                                                                 | 9.6     | 629     | 648         | 1130    | 0.34    | 6.1     |                 |                                           | 880                                    | 50 <sup>d</sup>                       |
| Molybdenum                                                                                                                                                                 | 824                                                                                  | 573     | 87.2    | 83.4        | 581     | < 2.0   | 292     |                 |                                           | 180                                    |                                       |
| Nickel                                                                                                                                                                     | 22.4                                                                                 | 19.4    | 29.2    | 30.6        | 63.6    | < 2.0   | 24.3    |                 | 2160 <sup>e</sup>                         | 730 <sup>h</sup>                       |                                       |
| Selenium                                                                                                                                                                   | 128                                                                                  | 41.3    | 8       | 7.3         | 122     | < 0.40  | 47.3    | 50              | 5                                         | 180                                    |                                       |
| Silver                                                                                                                                                                     | 0.075                                                                                | 0.078   | < 0.062 | < 0.062     | 1.1     | < 0.062 | 0.065   |                 |                                           | 180                                    | 100 <sup>d</sup>                      |
| Thorium                                                                                                                                                                    | < 0.96                                                                               | < 0.96  | < 0.96  | < 0.96      | 24.1    | < 0.96  | < 0.96  |                 |                                           |                                        |                                       |
| Titanium                                                                                                                                                                   | 33                                                                                   | 27.7    | 8.7     | 8.6         | 1830    | 1.2     | 7.4     |                 |                                           |                                        |                                       |
| Vanadium                                                                                                                                                                   | 25.3                                                                                 | 15.3    | 43.8    | 44.8        | 158     | 0.16    | 29.7    |                 |                                           | 260                                    |                                       |
| Zinc                                                                                                                                                                       | 262                                                                                  | < 4.2   | 16.6    | 32          | 13.5    | 5.6     | < 4.2   |                 | 4938 <sup>e</sup>                         | 11000                                  | 5000 <sup>d</sup>                     |
| <b>Pesticides</b>                                                                                                                                                          |                                                                                      |         |         |             |         |         |         |                 |                                           |                                        |                                       |
| alpha-BHC                                                                                                                                                                  | < 0.020                                                                              | < 0.020 | 0.27    | 0.24        | < 0.020 | < 0.020 | < 0.020 |                 |                                           | 0.011                                  |                                       |
| beta-BHC                                                                                                                                                                   | < 0.020                                                                              | < 0.020 | 0.1     | 0.096       | < 0.020 | < 0.020 | < 0.020 |                 |                                           | 0.037                                  |                                       |
| <b>Inorganic Compounds</b>                                                                                                                                                 |                                                                                      |         |         |             |         |         |         |                 |                                           |                                        |                                       |
| Perchlorate                                                                                                                                                                | 5250                                                                                 | 9670    | 247000  | 256000      | 10800   | 10800   | 8850    |                 |                                           | 3.6                                    | 18 <sup>i</sup>                       |
| Total Cyanide                                                                                                                                                              | 2.9                                                                                  | < 2.5   | < 2.5   | < 2.5       | < 2.5   | < 2.5   | < 2.5   | 200             | 5.2                                       | 730                                    |                                       |
| <b>Radionuclides</b>                                                                                                                                                       |                                                                                      |         |         |             |         |         |         |                 |                                           |                                        |                                       |
| Lead 210                                                                                                                                                                   | < 190                                                                                | < 170   | < 220   | < 190       | < 230   | < 210   | 260     |                 |                                           |                                        |                                       |
| Radium 226                                                                                                                                                                 | 1.61                                                                                 | 0.38    | < 0.27  | < 0.29      | 0.32    | 1.11    | 0.66    |                 |                                           |                                        |                                       |
| Radium 228                                                                                                                                                                 | 4.7                                                                                  | < 1.2   | 0.77    | 0.89        | < 1.1   | < 1.1   | < 0.88  | 5 <sup>j</sup>  |                                           |                                        |                                       |
| Thorium 228                                                                                                                                                                | 1.93                                                                                 | < 0.60  | < 0.50  | < 0.42      | 0.32    | < 0.36  | < 0.52  |                 | 15 <sup>k</sup>                           |                                        |                                       |
| Thorium 230                                                                                                                                                                | 7.5                                                                                  | 0.93    | 0.91    | 0.85        | 1.12    | 1.03    | 0.74    |                 |                                           |                                        |                                       |
| Thorium 232                                                                                                                                                                | 2.1                                                                                  | 0.15    | < 0.21  | < 0.20      | 0.14    | < 0.32  | < 0.44  |                 |                                           |                                        |                                       |
| Uranium 234                                                                                                                                                                | 25.9                                                                                 | 8.3     | 32.6    | 33.3        | 8.7     | 6.4     | 8.4     |                 |                                           |                                        |                                       |
| Uranium 235                                                                                                                                                                | 1.12                                                                                 | 0.46    | 1.04    | 1.54        | 0.56    | 0.42    | 0.36    |                 | 20 <sup>l</sup>                           |                                        |                                       |
| Uranium 238                                                                                                                                                                | 18.5                                                                                 | 5.3     | 22      | 21.7        | 6.1     | 4.7     | 6       |                 |                                           |                                        |                                       |
| <b>Notes:</b>                                                                                                                                                              |                                                                                      |         |         |             |         |         |         |                 |                                           |                                        |                                       |
| A blank space indicates that a value was not identified                                                                                                                    |                                                                                      |         |         |             |         |         |         |                 |                                           |                                        |                                       |
| a - EPA National Recommended Water Quality Criteria for freshwater aquatic life (continuous concentration)                                                                 |                                                                                      |         |         |             |         |         |         |                 |                                           |                                        |                                       |
| b - Total for trihalomethanes                                                                                                                                              |                                                                                      |         |         |             |         |         |         |                 |                                           |                                        |                                       |
| c - when pH is between 6.5 and 9                                                                                                                                           |                                                                                      |         |         |             |         |         |         |                 |                                           |                                        |                                       |
| d - Secondary MCL                                                                                                                                                          |                                                                                      |         |         |             |         |         |         |                 |                                           |                                        |                                       |
| e - Adjusted for average site water hardness of 8,186 mg/L                                                                                                                 |                                                                                      |         |         |             |         |         |         |                 |                                           |                                        |                                       |
| f - PRG for chromium III                                                                                                                                                   |                                                                                      |         |         |             |         |         |         |                 |                                           |                                        |                                       |
| g - EPA action level                                                                                                                                                       |                                                                                      |         |         |             |         |         |         |                 |                                           |                                        |                                       |
| h - For nickel soluble salts                                                                                                                                               |                                                                                      |         |         |             |         |         |         |                 |                                           |                                        |                                       |
| i - Cal DHS/Cal EPA and state of Nevada recommended action level; USEPA is currently considering a revised draft reference dose with a drinking water equivalent of 1 µg/L |                                                                                      |         |         |             |         |         |         |                 |                                           |                                        |                                       |
| j - MCL is for combined radium 226 + 228                                                                                                                                   |                                                                                      |         |         |             |         |         |         |                 |                                           |                                        |                                       |
| k - Proposed MCL - the current MCL for total uranium is 30 µg/L                                                                                                            |                                                                                      |         |         |             |         |         |         |                 |                                           |                                        |                                       |
| l - MCL value for adjusted gross alpha which includes the sum of Pb-210, Ra-226, Ra-228, Th-228, Th-230, and Th-232 activities                                             |                                                                                      |         |         |             |         |         |         |                 |                                           |                                        |                                       |

TABLE D-6  
Summary Statistics for Chemicals Detected in Soils  
Values Assigned Using One-Half MDL for Non-Detects

| Chemical               | Units | Number of Sample Locations | Number of Detections <sup>2</sup> | Minimum Value | Maximum Value | Mean Value | Standard Deviation | Coefficient of Variation (Percent) | Skewness | p-value* for test of normality | p-value** for ANOVA on land use groups | p-value** for ANOVA on depth zones |
|------------------------|-------|----------------------------|-----------------------------------|---------------|---------------|------------|--------------------|------------------------------------|----------|--------------------------------|----------------------------------------|------------------------------------|
| <b>VOCs and SVOCs</b>  |       |                            |                                   |               |               |            |                    |                                    |          |                                |                                        |                                    |
| Acetone                | ug/kg | 70                         | 13                                | 1.35          | 13.5          | 2.496      | 2.593              | 104                                | 2.60     | 0.0000                         | 0.1407                                 | 0.0215                             |
| Chloroform             | ug/kg | 70                         | 3                                 | 0.12          | 21            | 0.533      | 2.567              | 482                                | 7.65     | 0.0000                         | 0.5342                                 | <.0001                             |
| Ethylbenzene           | ug/kg | 70                         | 1                                 | 0.445         | 1.2           | 0.497      | 0.095              | 19                                 | 6.37     | 0.0000                         | 0.4686                                 | <.0001                             |
| Methylene chloride     | ug/kg | 70                         | 5                                 | 0.265         | 1.3           | 0.351      | 0.223              | 63                                 | 3.40     | 0.0000                         | 0.5488                                 | <.0001                             |
| Tetrachlorethene       | ug/kg | 70                         | 2                                 | 0.18          | 4.5           | 0.282      | 0.555              | 197                                | 6.98     | 0.0000                         | 0.3345                                 | <.0001                             |
| Toluene                | ug/kg | 70                         | 2                                 | 0.27          | 2             | 0.336      | 0.242              | 72                                 | 6.09     | 0.0000                         | 0.3305                                 | <.0001                             |
| Xylenes                | ug/kg | 70                         | 1                                 | 0.55          | 1.8           | 0.601      | 0.155              | 26                                 | 7.04     | 0.0000                         | 0.3781                                 | <.0001                             |
| Butyl benzyl phthalate | ug/kg | 70                         | 1                                 | 14            | 80            | 15.764     | 7.879              | 50                                 | 8.09     | 0.0000                         | 0.5294                                 | 0.0004                             |
| Di-n-butyl phthalate   | ug/kg | 70                         | 1                                 | 31.5          | 130           | 35.493     | 11.773             | 33                                 | 7.74     | 0.0000                         | 0.4363                                 | <.0001                             |
| Phenol                 | ug/kg | 70                         | 1                                 | 30            | 120           | 33.725     | 10.796             | 32                                 | 7.65     | 0.0000                         | 0.2719                                 | 0.0001                             |
| <b>Metals</b>          |       |                            |                                   |               |               |            |                    |                                    |          |                                |                                        |                                    |
| Aluminum               | mg/kg | 70                         | 70                                | 5260          | 19000         | 11074.286  | 2546.465           | 23                                 | 0.20     | 0.6517                         | 0.2463                                 | 0.0001                             |
| Antimony               | mg/kg | 70                         | 1                                 | 0.08          | 1.3           | 0.104      | 0.145              | 140                                | 8.33     | 0.0000                         | 0.5634                                 | 0.0014                             |
| Arsenic                | mg/kg | 70                         | 70                                | 1.3           | 35.9          | 6.376      | 6.049              | 95                                 | 3.01     | 0.0000                         | 0.0391                                 | 0.0003                             |
| Barium                 | mg/kg | 70                         | 70                                | 43.8          | 1100          | 245.443    | 127.307            | 52                                 | 4.36     | 0.0000                         | 0.1264                                 | 0.0234                             |
| Beryllium              | mg/kg | 70                         | 70                                | 0.27          | 0.93          | 0.532      | 0.125              | 23                                 | 0.58     | 0.1220                         | 0.2761                                 | 0.0185                             |
| Cadmium                | mg/kg | 70                         | 70                                | 0.033         | 0.43          | 0.118      | 0.065              | 55                                 | 2.63     | <.0001                         | 0.0065                                 | 0.0015                             |
| Chromium               | mg/kg | 70                         | 70                                | 4.2           | 36.3          | 10.344     | 5.694              | 55                                 | 2.70     | 0.0000                         | 0.0633                                 | 0.0652                             |
| Cobalt                 | mg/kg | 70                         | 70                                | 2.6           | 10            | 6.906      | 1.733              | 25                                 | -0.62    | 0.0142                         | 0.0996                                 | <.0001                             |
| Copper                 | mg/kg | 70                         | 70                                | 8.5           | 43.1          | 13.866     | 5.207              | 38                                 | 3.44     | 0.0000                         | 0.0835                                 | <.0001                             |
| Iron                   | mg/kg | 70                         | 70                                | 7180          | 23500         | 17363.929  | 3714.209           | 21                                 | -0.71    | 0.0133                         | 0.0942                                 | <.0001                             |
| Lead                   | mg/kg | 70                         | 70                                | 4.8           | 379           | 17.320     | 45.573             | 263                                | 7.51     | 0.0000                         | 0.8940                                 | <.0001                             |
| Magnesium              | mg/kg | 70                         | 70                                | 4270          | 79500         | 12039.571  | 9060.217           | 75                                 | 6.40     | 0.0000                         | 0.0355                                 | 0.8901                             |
| Manganese              | mg/kg | 70                         | 70                                | 132           | 2030          | 427.093    | 242.705            | 57                                 | 4.19     | 0.0000                         | 0.0232                                 | 0.0001                             |
| Mercury                | mg/kg | 70                         | 44                                | 0.0036        | 0.096         | 0.020      | 0.024              | 116                                | 1.88     | 0.0000                         | 0.2174                                 | 0.4215                             |
| Molybdenum             | mg/kg | 70                         | 70                                | 0.12          | 7.2           | 1.029      | 0.978              | 95                                 | 3.93     | 0.0000                         | 0.0005                                 | 0.0338                             |
| Nickel                 | mg/kg | 70                         | 70                                | 5.4           | 18.2          | 12.615     | 2.409              | 19                                 | -0.60    | 0.0235                         | 0.0335                                 | 0.1310                             |
| Selenium               | mg/kg | 70                         | 70                                | 0.13          | 2.5           | 0.340      | 0.297              | 87                                 | 5.83     | 0.0000                         | 0.1750                                 | 0.3241                             |
| Silver                 | mg/kg | 70                         | 70                                | 0.053         | 0.67          | 0.130      | 0.081              | 62                                 | 4.80     | 0.0000                         | 0.0744                                 | 0.0178                             |
| Thallium               | mg/kg | 70                         | 70                                | 0.03          | 1.1           | 0.097      | 0.131              | 135                                | 6.80     | 0.0000                         | 0.0274                                 | 0.0068                             |
| Thorium                | mg/kg | 70                         | 70                                | 3.7           | 10.4          | 6.554      | 1.492              | 23                                 | 0.62     | 0.0335                         | 0.4009                                 | 0.2751                             |
| Titanium               | mg/kg | 70                         | 70                                | 233           | 1500          | 516.286    | 154.151            | 30                                 | 3.73     | 0.0000                         | 0.8118                                 | <.0001                             |
| Vanadium               | mg/kg | 70                         | 70                                | 18.4          | 57.5          | 27.976     | 6.793              | 24                                 | 2.44     | <.0001                         | 0.5084                                 | 0.1734                             |
| Zinc                   | mg/kg | 70                         | 70                                | 19.1          | 108           | 42.441     | 12.480             | 29                                 | 2.32     | <.0001                         | 0.0425                                 | <.0001                             |
| <b>Dioxins/Furans</b>  |       |                            |                                   |               |               |            |                    |                                    |          |                                |                                        |                                    |
| Dioxins (TEQ)          | pg/g  | 70                         | 29                                | 0.33614       | 81.7          | 2.908      | 10.277             | 353                                | 6.88     | 0.0000                         | 0.2074                                 | 0.6325                             |
| <b>Pesticides</b>      |       |                            |                                   |               |               |            |                    |                                    |          |                                |                                        |                                    |
| 4,4'-DDD               | ug/kg | 70                         | 2                                 | 0.325         | 3.4           | 0.464      | 0.485              | 104                                | 4.65     | 0.0000                         | 0.2236                                 | 0.0009                             |
| 4,4'-DDE               | ug/kg | 70                         | 10                                | 0.45          | 74            | 2.808      | 9.884              | 352                                | 6.06     | 0.0000                         | 0.2159                                 | 0.0472                             |
| 4,4'-DDT               | ug/kg | 70                         | 9                                 | 0.355         | 69            | 2.508      | 9.480              | 378                                | 5.84     | 0.0000                         | 0.0349                                 | 0.0434                             |
| alpha-Chlordane        | ug/kg | 70                         | 1                                 | 0.23          | 4.7           | 0.341      | 0.557              | 163                                | 7.28     | 0.0000                         | 0.2665                                 | 0.0003                             |
| beta-BHC               | ug/kg | 70                         | 8                                 | 0.365         | 20            | 1.050      | 2.557              | 244                                | 6.26     | 0.0000                         | 0.2886                                 | 0.0249                             |
| Dieldrin               | ug/kg | 70                         | 3                                 | 0.295         | 4.3           | 0.494      | 0.719              | 146                                | 4.64     | 0.0000                         | 0.4594                                 | 0.0058                             |
| Endosulfan II          | ug/kg | 70                         | 1                                 | 0.32          | 4.4           | 0.446      | 0.539              | 121                                | 6.36     | 0.0000                         | 0.3119                                 | 0.0002                             |
| Endosulfan sulfate     | ug/kg | 70                         | 1                                 | 0.27          | 8.7           | 0.447      | 1.022              | 229                                | 7.89     | 0.0000                         | 0.2114                                 | 0.0002                             |
| Endrin                 | ug/kg | 70                         | 1                                 | 0.285         | 21            | 0.622      | 2.476              | 398                                | 8.32     | 0.0000                         | 0.2556                                 | <.0001                             |

**TABLE D-6**  
**Summary Statistics for Chemicals Detected in Soils**  
**Values Assigned Using One-Half MDL for Non-Detects**

| Chemical             | Units | Number of Sample Locations <sup>1</sup> | Number of Detections <sup>2</sup> | Minimum Value | Maximum Value | Mean Value | Standard Deviation | Coefficient of Variation (Percent) | Skewness | p-value* for test of normality | p-value** for ANOVA on land use groups | p-value** for ANOVA on depth zones |
|----------------------|-------|-----------------------------------------|-----------------------------------|---------------|---------------|------------|--------------------|------------------------------------|----------|--------------------------------|----------------------------------------|------------------------------------|
| Endrin aldehyde      | ug/kg | 70                                      | 2                                 | 0.6           | 13            | 0.906      | 1.548              | 171                                | 7.23     | 0.0000                         | 0.2703                                 | 0.0448                             |
| Endrin ketone        | ug/kg | 70                                      | 1                                 | 0.27          | 2.8           | 0.363      | 0.361              | 100                                | 5.56     | 0.0000                         | 0.2114                                 | 0.0002                             |
| gamma-Chlordane      | ug/kg | 70                                      | 1                                 | 0.49          | 4.2           | 0.640      | 0.570              | 89                                 | 5.09     | 0.0000                         | 0.2523                                 | 0.0184                             |
| Heptachlor epoxide   | ug/kg | 70                                      | 2                                 | 0.24          | 5.5           | 0.398      | 0.707              | 177                                | 6.19     | 0.0000                         | 0.6697                                 | <0001                              |
| Methoxychlor         | ug/kg | 70                                      | 2                                 | 0.65          | 27            | 1.226      | 3.232              | 264                                | 7.65     | 0.0000                         | 0.4818                                 | 0.0245                             |
| <b>Perchlorate</b>   |       |                                         |                                   |               |               |            |                    |                                    |          |                                |                                        |                                    |
| Perchlorate          | ug/kg | 70                                      | 68                                | 10.4          | 59900         | 4534.071   | 8542.661           | 188                                | 4.59     | 0.0000                         | 0.0025                                 | 0.2551                             |
| <b>Radionuclides</b> |       |                                         |                                   |               |               |            |                    |                                    |          |                                |                                        |                                    |
| Actinium 228         | pCi/g | 70                                      | 66                                | 0.395         | 2             | 1.303      | 0.305              | 23                                 | -0.96    | 0.0006                         | 0.8805                                 | 0.1127                             |
| Bismuth 212          | pCi/g | 70                                      | 4                                 | 0.9           | 2.7           | 1.124      | 0.322              | 29                                 | 3.47     | 0.0000                         | 0.0612                                 | 0.7159                             |
| Bismuth 214          | pCi/g | 70                                      | 70                                | 0.6           | 4.43          | 1.113      | 0.605              | 54                                 | 3.68     | 0.0000                         | 0.0322                                 | 0.0003                             |
| Lead 210             | pCi/g | 70                                      | 4                                 | 0.6           | 6.9           | 1.360      | 0.814              | 60                                 | 5.26     | 0.0000                         | 0.1449                                 | 0.0042                             |
| Lead 212             | pCi/g | 70                                      | 70                                | 0.67          | 1.52          | 1.159      | 0.151              | 13                                 | -0.75    | 0.1029                         | 0.0625                                 | 0.0111                             |
| Lead 214             | pCi/g | 70                                      | 70                                | 0.56          | 4.7           | 1.054      | 0.635              | 60                                 | 4.06     | 0.0000                         | 0.4893                                 | 0.0002                             |
| Potassium 40         | pCi/g | 70                                      | 70                                | 15.5          | 31            | 24.650     | 2.831              | 11                                 | -0.53    | 0.3234                         | 0.4293                                 | 0.7720                             |
| Radium 224           | pCi/g | 70                                      | 57                                | 1             | 9.6           | 3.136      | 1.668              | 53                                 | 1.57     | <0001                          | 0.4335                                 | 0.3389                             |
| Radium 226           | pCi/g | 70                                      | 50                                | 0.115         | 3.81          | 1.284      | 1.085              | 85                                 | 0.76     | <0001                          | 0.5231                                 | 0.6309                             |
| Radium 228           | pCi/g | 70                                      | 70                                | 0.74          | 2.998         | 1.328      | 0.293              | 22                                 | 2.45     | <0001                          | 0.3531                                 | 0.2315                             |
| Thallium 208         | pCi/g | 70                                      | 69                                | 0.15          | 0.59          | 0.427      | 0.069              | 16                                 | -0.65    | 0.0699                         | 0.0912                                 | 0.1224                             |
| Thorium 228          | pCi/g | 70                                      | 70                                | 0.61          | 1.82          | 1.345      | 0.234              | 17                                 | -1.08    | 0.0005                         | 0.1825                                 | 0.0386                             |
| Thorium 230          | pCi/g | 70                                      | 70                                | 0.8           | 4.6           | 1.329      | 0.559              | 42                                 | 3.45     | 0.0000                         | 0.1632                                 | <0001                              |
| Thorium 232          | pCi/g | 70                                      | 70                                | 0.82          | 1.79          | 1.352      | 0.198              | 15                                 | -0.39    | 0.5048                         | 0.4215                                 | 0.0404                             |
| Thorium 234          | pCi/g | 70                                      | 20                                | 0.45          | 4.5           | 0.964      | 0.603              | 63                                 | 3.30     | 0.0000                         | 0.6566                                 | 0.1438                             |
| Uranium 234          | pCi/g | 70                                      | 70                                | 0.6           | 4.6           | 1.327      | 0.593              | 45                                 | 2.91     | <0001                          | 0.0200                                 | 0.0038                             |
| Uranium 235          | pCi/g | 70                                      | 34                                | 0.021         | 0.2           | 0.076      | 0.042              | 55                                 | 0.98     | <0001                          | 0.3669                                 | 0.1647                             |
| Uranium 238          | pCi/g | 70                                      | 70                                | 0.58          | 4.45          | 1.132      | 0.525              | 46                                 | 4.03     | 0.0000                         | 0.0210                                 | 0.0423                             |

Notes:

1 - Number of sample location/depth interval combinations at which samples were analyzed for the chemical; field duplicates are not counted as separate samples here. Samples were collected at 14 locations in the SEA (3 samples from each of 13 locations and 2 samples from 1 location) and 12 locations in the NEA (2 samples from each of 7 locations and 3 samples from each of 5 locations). Samples were collected at various depth intervals at each location, as discussed in Sections II.A.1 and II.A.2 for the NEA and SEA, respectively.

2 - Number of the 70 sample location/depth interval combinations at which the chemical was detected.

\* In this context, the p-value is a statistical measure of the consistency of the data set with a normal distribution; the p-values less than 0.05 (five percent) are considered indicative of non-normal distributions

\*\* In this context, the p-value is a statistical measure of the significance of the difference in mean values. In this study, p-values less than 0.05 (five percent) are considered indicative of significant differences.

TABLE D-7  
Ranks Assigned to Detected Values by Chemical and Sample

| Exposure area                   | NEA        |      | NEA  |      | NEA  |      | NEA  |      | NEA  |      | NEA  |      |
|---------------------------------|------------|------|------|------|------|------|------|------|------|------|------|------|
|                                 | D          | T    | D    | M    | D    | T    | D    | M    | D    | T    | D    | O    |
| LCODE                           | T          | B-2  | D    | M    | D    | T    | D    | M    | D    | T    | D    | O    |
| DCODE                           | B-2        | B-2  | B-3  | B-3  | B-3  | B-3  | B-3  | B-3  | B-3  | B-3  | B-3  | B-3  |
| Boring location                 | 0-1'       | 4-5' | 0-1' | 0-1' | 0-1' | 0-1' | 0-1' | 0-1' | 0-1' | 0-1' | 0-1' | 0-1' |
| Depth                           | 0-1'       | 4-5' | 0-1' | 0-1' | 0-1' | 0-1' | 0-1' | 0-1' | 0-1' | 0-1' | 0-1' | 0-1' |
| Organics:                       | # Detects: |      |      |      |      |      |      |      |      |      |      |      |
| acetone                         | ND         | 13   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   |
| chloroform                      | ND         | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   |
| ethylbenzene                    | ND         | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   |
| methylene chloride              | ND         | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   |
| tetrachlorethene                | ND         | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   |
| toluene                         | ND         | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   |
| xylenes                         | ND         | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   |
| butyl benzyl phthalate          | ND         | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   |
| di-n-butyl phthalate            | ND         | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   |
| phenol                          | ND         | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   |
| 4,4'-DDD                        | ND         | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   |
| 4,4'-DDE                        | 1          | 10   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   |
| 4,4'-DDT                        | 1          | 9    | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   |
| alpha chlordane                 | ND         | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   |
| beta-BHC                        | 1          | 8    | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   |
| dieldrin                        | ND         | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   |
| endosulfan II                   | 1          | 1    | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   |
| endosulfan sulfate              | ND         | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   |
| endrin                          | 1          | 1    | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   |
| endrin aldehyde                 | 2          | 2    | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   |
| endrin ketone                   | 1          | 1    | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   |
| gamma-chlordane                 | ND         | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   |
| heptachlor epoxide              | 2          | 2    | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   |
| methoxychlor                    | 1          | 1    | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   |
| dioxins (TEQ)                   | 11         | 2    | 20   | 20   | 20   | 20   | 20   | 20   | 20   | 20   | 20   | 20   |
| # Organics Detected in Sample:  | 6          | 2    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    |
| # Highest (#1) Ranks in Sample: | 5          | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| # Top 3 (10%) Ranks in Sample:  | 5          | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    |

**TABLE D-7**  
**Ranks Assigned to Detected Values by Chemical and Sample**

| Exposure area                    | NEA  |      | NEA  |      | NEA  |      | NEA  |      | NEA  |      | NEA  |      |
|----------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
|                                  | D    | T    | D    | M    | D    | M    | D    | M    | D    | M    | D    | M    |
| LCODE                            |      |      |      |      |      |      |      |      |      |      |      |      |
| DCODE                            |      |      |      |      |      |      |      |      |      |      |      |      |
| Boring location                  |      |      |      |      |      |      |      |      |      |      |      |      |
| Depth                            |      |      |      |      |      |      |      |      |      |      |      |      |
|                                  | 0-1' | 4-5' | 0-1' | 4-5' | 0-1' | 4-5' | 0-1' | 4-5' | 0-1' | 4-5' | 0-1' | 4-5' |
| <b>Inorganics:</b>               |      |      |      |      |      |      |      |      |      |      |      |      |
| aluminum                         | 5    | 53   | 35   | 51   | 19   | 16   | 49   | 37   |      |      |      |      |
| antimony                         | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   |
| arsenic                          | 6    | 54   | 37   | 7    | 33   | 58   | 69   | 64   |      |      |      |      |
| barium                           | 4    | 10   | 52   | 60   | 16   | 18   | 32   | 50   |      |      |      |      |
| beryllium                        | 6    | 30   | 36   | 65   | 16   | 46   | 51   | 55   |      |      |      |      |
| cadmium                          | 3    | 51   | 13   | 26   | 20   | 13   | 26   | 38   |      |      |      |      |
| chromium                         | 2    | 46   | 22   | 51   | 19   | 37   | 70   | 69   |      |      |      |      |
| cobalt                           | 24   | 33   | 39   | 51   | 24   | 4    | 5    | 15   |      |      |      |      |
| copper                           | 1    | 28   | 25   | 57   | 27   | 25   | 41   | 34   |      |      |      |      |
| iron                             | 10   | 39   | 46   | 60   | 36   | 25   | 30   | 23   |      |      |      |      |
| lead                             | 4    | 48   | 10   | 45   | 16   | 29   | 42   | 51   |      |      |      |      |
| magnesium                        | 12   | 52   | 6    | 13   | 19   | 17   | 38   | 54   |      |      |      |      |
| manganese                        | 4    | 35   | 36   | 47   | 19   | 12   | 9    | 8    |      |      |      |      |
| mercury                          | 25   | 42   | ND   | ND   | 8    | 7    | 11   | 10   |      |      |      |      |
| molybdenum                       | 6    | 32   | 9    | 14   | 67   | 66   | 70   | 61   |      |      |      |      |
| nickel                           | 7    | 43   | 26   | 39   | 23   | 20   | 45   | 43   |      |      |      |      |
| selenium                         | 7    | 40   | 9    | 47   | 34   | 43   | 23   | 32   |      |      |      |      |
| silver                           | 3    | 54   | 22   | 37   | 9    | 27   | 66   | 65   |      |      |      |      |
| thallium                         | 4    | 30   | 27   | 52   | 14   | 19   | 66   | 69   |      |      |      |      |
| thorium                          | 53   | 56   | 38   | 62   | 18   | 22   | 45   | 53   |      |      |      |      |
| titanium                         | 6    | 44   | 28   | 40   | 36   | 13   | 31   | 51   |      |      |      |      |
| vanadium                         | 13   | 60   | 35   | 33   | 29   | 29   | 68   | 55   |      |      |      |      |
| zinc                             | 3    | 44   | 6    | 57   | 22   | 10   | 31   | 18   |      |      |      |      |
| perchlorate                      | 46   | 41   | 3    | 26   | 34   | 32   | ND   | 66   |      |      |      |      |
| # Inorganics Detected in Sample: | 23   | 23   | 22   | 22   | 23   | 23   | 22   | 23   |      |      |      |      |
| # Highest (#1) Ranks in Sample:  | 1    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |      |      |      |      |
| # Top 3 (10%) Ranks in Sample:   | 5    | 0    | 1    | 0    | 0    | 0    | 0    | 0    |      |      |      |      |

**TABLE D-7**  
**Ranks Assigned to Detected Values by Chemical and Sample**

| Exposure area                                | NEA |    | NEA |    | NEA |     | NEA |     | NEA |     | NEA |     |
|----------------------------------------------|-----|----|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|
|                                              | D   | D  | M   | M  | B-3 | B-3 | E-1 | E-1 | E-1 | E-1 | E-2 | E-2 |
| <b>LCODE</b>                                 |     |    |     |    |     |     |     |     |     |     |     |     |
| <b>DPCODE</b>                                |     |    |     |    |     |     |     |     |     |     |     |     |
| <b>Boring location</b>                       |     |    |     |    |     |     |     |     |     |     |     |     |
| <b>Depth</b>                                 |     |    |     |    |     |     |     |     |     |     |     |     |
| <b>Radionuclides:</b>                        |     |    |     |    |     |     |     |     |     |     |     |     |
| <b># Detects:</b>                            |     |    |     |    |     |     |     |     |     |     |     |     |
| actinium 228                                 | 3   | 12 | ND  | ND | 37  | 64  | 44  | 49  | 25  | 8   |     |     |
| bismuth 212                                  | 4   | ND | ND  | ND | ND  | ND  | ND  | ND  | ND  | ND  | ND  | ND  |
| bismuth 214                                  | 70  | 17 | 26  | 41 | 67  | 41  | 66  | 48  | 61  | 54  |     |     |
| lead 210                                     | 4   | ND | ND  | ND | ND  | ND  | ND  | ND  | ND  | ND  | ND  | ND  |
| lead 212                                     | 70  | 40 | 58  | 67 | 42  | 65  | 42  | 46  | 5   | 51  |     |     |
| lead 214                                     | 70  | 32 | 51  | 42 | 42  | 66  | 47  | 39  | 37  | 36  |     |     |
| potassium 40                                 | 70  | 6  | 17  | 47 | 62  | 16  | 54  | 35  | 35  | 44  |     |     |
| radium 224                                   | 57  | 17 | 6   | 23 | 48  | ND  | 9   | 51  | 48  | 8   |     |     |
| radium 226                                   | 50  | 23 | 7   | ND | ND  | ND  | ND  | 41  | 15  | 27  |     |     |
| radium 228                                   | 70  | 4  | 40  | 63 | 62  | 62  | 12  | 16  | 17  | 5   |     |     |
| thallium 208                                 | 69  | 17 | 52  | 61 | 52  | 52  | 10  | 14  | 1   | 17  |     |     |
| thorium 228                                  | 70  | 34 | 11  | 53 | 62  | 56  | 62  | 32  | 22  | 11  |     |     |
| thorium 230                                  | 70  | 18 | 29  | 63 | 63  | 38  | 47  | 49  | 63  | 65  |     |     |
| thorium 232                                  | 70  | 20 | 13  | 62 | 24  | 24  | 31  | 44  | 28  | 22  |     |     |
| thorium 234                                  | 20  | ND | ND  | ND | ND  | ND  | 20  | ND  | 5   | ND  |     |     |
| uranium 234                                  | 70  | 23 | 25  | 54 | 21  | 21  | 48  | 51  | 69  | 52  |     |     |
| uranium 235                                  | 34  | 32 | 14  | ND | ND  | ND  | 12  | 25  | 31  | 5   |     |     |
| uranium 238                                  | 70  | 26 | 14  | 70 | 40  | 40  | 49  | 38  | 57  | 67  |     |     |
| <b># Radionuclides Detected in Sample:</b>   |     | 15 | 15  | 13 | 12  | 12  | 15  | 15  | 16  | 15  |     |     |
| <b># Highest (#1) Ranks in Sample:</b>       |     | 0  | 0   | 0  | 0   | 0   | 0   | 0   | 0   | 0   |     |     |
| <b># Top 2 (10%) Ranks in Sample:</b>        |     | 0  | 0   | 0  | 0   | 0   | 0   | 0   | 0   | 0   |     |     |
| <b>Totals for All Chemicals:</b>             |     |    |     |    |     |     |     |     |     |     |     |     |
| <b># of 67 Chemicals Detected in Sample:</b> | 44  | 40 | 36  | 34 | 38  | 38  | 39  | 38  | 39  | 39  |     |     |
| <b># Highest (#1) Ranks in Sample:</b>       | 6   | 0  | 0   | 0  | 0   | 0   | 0   | 0   | 0   | 0   |     |     |
| <b># of Top 10% Ranks in Sample:</b>         | 10  | 1  | 1   | 0  | 0   | 0   | 0   | 0   | 0   | 0   |     |     |

TABLE D-7  
Ranks Assigned to Detected Values by Chemical and Sample

| Exposure area                   | NEA |    | NEA |      | NEA |    | NEA  |        | NEA  |        | NEA  |      | NEA  |        | NEA  |      |    |    |    |      |    |
|---------------------------------|-----|----|-----|------|-----|----|------|--------|------|--------|------|------|------|--------|------|------|----|----|----|------|----|
|                                 | O   | B  | E-2 | 6-8' | P   | M  | P-11 | 15-17' | P-11 | 15-17' | P-12 | 4-5' | P-12 | 15-17' | P-13 | 0-1' | P  | M  | T  | P-14 |    |
| <b>Organics:</b>                |     |    |     |      |     |    |      |        |      |        |      |      |      |        |      |      |    |    |    |      |    |
| acetone                         | ND  | ND | ND  | ND   | 11  | 9  | ND   | ND     | ND   | ND     | ND   | ND   | ND   | ND     | ND   | ND   | ND | ND | ND | ND   | ND |
| chloroform                      | ND  | ND | ND  | ND   | ND  | ND | ND   | ND     | ND   | ND     | ND   | ND   | ND   | ND     | ND   | ND   | ND | ND | ND | ND   | ND |
| ethylbenzene                    | ND  | ND | ND  | ND   | ND  | ND | ND   | ND     | ND   | ND     | ND   | ND   | ND   | ND     | ND   | ND   | ND | ND | ND | ND   | ND |
| methylene chloride              | ND  | ND | ND  | ND   | 2   | ND | ND   | ND     | ND   | ND     | ND   | ND   | ND   | ND     | ND   | ND   | ND | ND | ND | ND   | ND |
| tetrachlorethene                | ND  | ND | ND  | ND   | ND  | ND | ND   | ND     | ND   | ND     | ND   | ND   | ND   | ND     | ND   | ND   | ND | ND | ND | ND   | ND |
| toluene                         | ND  | ND | ND  | ND   | 1   | ND | ND   | ND     | ND   | ND     | ND   | ND   | ND   | ND     | ND   | ND   | ND | ND | ND | ND   | ND |
| xylenes                         | ND  | ND | ND  | ND   | 1   | ND | ND   | ND     | ND   | ND     | ND   | ND   | ND   | ND     | ND   | ND   | ND | ND | ND | ND   | ND |
| butyl benzyl phthalate          | ND  | ND | ND  | ND   | ND  | ND | ND   | ND     | ND   | ND     | ND   | ND   | ND   | ND     | ND   | ND   | ND | ND | ND | ND   | ND |
| di-n-butyl phthalate            | ND  | ND | ND  | ND   | ND  | ND | ND   | ND     | ND   | ND     | ND   | ND   | ND   | ND     | ND   | ND   | ND | ND | ND | ND   | ND |
| phenol                          | ND  | ND | ND  | ND   | ND  | ND | ND   | ND     | ND   | ND     | ND   | ND   | ND   | ND     | ND   | ND   | ND | ND | ND | ND   | ND |
| 4,4'-DDD                        | ND  | ND | ND  | ND   | 2   | ND | ND   | ND     | ND   | ND     | ND   | ND   | ND   | ND     | ND   | ND   | ND | ND | ND | ND   | ND |
| 4,4'-DDE                        | ND  | ND | ND  | ND   | 6   | ND | ND   | ND     | ND   | ND     | ND   | ND   | ND   | ND     | ND   | ND   | ND | ND | ND | ND   | ND |
| 4,4'-DDT                        | ND  | ND | ND  | ND   | 8   | ND | ND   | ND     | ND   | ND     | ND   | ND   | ND   | ND     | ND   | ND   | ND | ND | ND | ND   | ND |
| alpha chlordane                 | ND  | ND | ND  | ND   | ND  | ND | ND   | ND     | ND   | ND     | ND   | ND   | ND   | ND     | ND   | ND   | ND | ND | ND | ND   | ND |
| beta-BHC                        | ND  | ND | ND  | ND   | ND  | ND | ND   | ND     | ND   | ND     | ND   | ND   | ND   | ND     | ND   | ND   | ND | ND | ND | ND   | ND |
| dieldrin                        | ND  | ND | ND  | ND   | ND  | ND | ND   | ND     | ND   | ND     | ND   | ND   | ND   | ND     | ND   | ND   | ND | ND | ND | ND   | ND |
| endosulfan II                   | ND  | ND | ND  | ND   | ND  | ND | ND   | ND     | ND   | ND     | ND   | ND   | ND   | ND     | ND   | ND   | ND | ND | ND | ND   | ND |
| endosulfan sulfate              | ND  | ND | ND  | ND   | ND  | ND | ND   | ND     | ND   | ND     | ND   | ND   | ND   | ND     | ND   | ND   | ND | ND | ND | ND   | ND |
| endrin                          | ND  | ND | ND  | ND   | ND  | ND | ND   | ND     | ND   | ND     | ND   | ND   | ND   | ND     | ND   | ND   | ND | ND | ND | ND   | ND |
| endrin aldehyde                 | ND  | ND | ND  | ND   | 1   | ND | ND   | ND     | ND   | ND     | ND   | ND   | ND   | ND     | ND   | ND   | ND | ND | ND | ND   | ND |
| endrin ketone                   | ND  | ND | ND  | ND   | ND  | ND | ND   | ND     | ND   | ND     | ND   | ND   | ND   | ND     | ND   | ND   | ND | ND | ND | ND   | ND |
| gamma-chlordane                 | ND  | ND | ND  | ND   | ND  | ND | ND   | ND     | ND   | ND     | ND   | ND   | ND   | ND     | ND   | ND   | ND | ND | ND | ND   | ND |
| heptachlor epoxide              | 1   | ND | ND  | ND   | ND  | ND | ND   | ND     | ND   | ND     | ND   | ND   | ND   | ND     | ND   | ND   | ND | ND | ND | ND   | ND |
| methoxychlor                    | ND  | ND | ND  | ND   | ND  | ND | ND   | ND     | ND   | ND     | ND   | ND   | ND   | ND     | ND   | ND   | ND | ND | ND | ND   | ND |
| dioxins (TEQ)                   | 13  | ND | ND  | ND   | 19  | ND | ND   | 27     | ND   | ND     | ND   | ND   | ND   | ND     | ND   | ND   | ND | ND | ND | ND   | ND |
| # Organics Detected in Sample:  | 2   | 8  | 1   | 1    | 1   | 1  | 1    | 1      | 1    | 1      | 1    | 1    | 1    | 1      | 1    | 1    | 1  | 1  | 1  | 1    | 1  |
| # Highest (#1) Ranks in Sample: | 1   | 3  | 0   | 0    | 0   | 0  | 0    | 0      | 0    | 0      | 0    | 0    | 0    | 0      | 0    | 0    | 0  | 0  | 0  | 0    | 0  |
| # Top 3 (10%) Ranks in Sample:  | 1   | 4  | 0   | 0    | 0   | 0  | 0    | 0      | 0    | 0      | 0    | 0    | 0    | 0      | 0    | 0    | 0  | 0  | 0  | 0    | 0  |

TABLE D-7

Ranks Assigned to Detected Values by Chemical and Sample

| Exposure area                    | NEA  |      | NEA  |      | NEA  |      | NEA    |      | NEA  |      | NEA    |      | NEA  |      | NEA    |      |
|----------------------------------|------|------|------|------|------|------|--------|------|------|------|--------|------|------|------|--------|------|
|                                  | O    | P    | P    | T    | P    | M    | P      | B    | P    | M    | P      | B    | P    | M    | P      | B    |
| LCODE                            | B    | T    | M    | P    | T    | M    | B      | T    | M    | P    | B      | T    | M    | P    | B      | T    |
| DPCODE                           | E-2  | P-11 | P-11 | P-12 | P-11 | P-12 | P-12   | P-12 | P-12 | P-12 | P-12   | P-12 | P-12 | P-12 | P-12   | P-12 |
| Boring location                  | 6-8' | 0-1' | 4-5' | 0-1' | 0-1' | 4-5' | 15-17' | 0-1' | 0-1' | 4-5' | 15-17' | 0-1' | 0-1' | 4-5' | 15-17' | 0-1' |
| Depth                            | 6-8' | 0-1' | 4-5' | 0-1' | 0-1' | 4-5' | 15-17' | 0-1' | 0-1' | 4-5' | 15-17' | 0-1' | 0-1' | 4-5' | 15-17' | 0-1' |
| # Detects:                       |      |      |      |      |      |      |        |      |      |      |        |      |      |      |        |      |
| Inorganics:                      |      |      |      |      |      |      |        |      |      |      |        |      |      |      |        |      |
| aluminum                         | 20   | 60   | 2    | 64   | 1    | 58   | 29     | 33   | 10   |      |        |      |      |      |        |      |
| antimony                         | ND   | ND   | ND   | ND   | ND   | ND   | ND     | ND   | ND   | ND   | ND     | ND   | ND   | ND   | ND     | ND   |
| arsenic                          | 39   | 45   | 52   | 12   | 62   | 49   | 55     | 45   | 25   | 55   | 25     | 55   | 55   | 25   | 55     | 55   |
| barium                           | 25   | 46   | 29   | 68   | 29   | 27   | 9      | 22   | 41   | 10   |        |      |      |      |        |      |
| beryllium                        | 70   | 69   | 1    | 55   | 2    | 68   | 36     | 48   | 25   |      |        |      |      |      |        |      |
| cadmium                          | 70   | 67   | 26   | 57   | 45   | 64   | 26     | 55   | 61   | 38   |        |      |      |      |        |      |
| chromium                         | 70   | 51   | 14   | 10   | 9    | 20   | 13     | 43   | 46   | 39   |        |      |      |      |        |      |
| cobalt                           | 38   | 68   | 19   | 60   | 1    | 68   | 13     | 35   | 48   | 9    |        |      |      |      |        |      |
| copper                           | 70   | 34   | 3    | 55   | 7    | 21   | 30     | 51   | 52   | 22   |        |      |      |      |        |      |
| iron                             | 70   | 15   | 11   | 56   | 12   | 7    | 9      | 54   | 26   | 23   |        |      |      |      |        |      |
| lead                             | 70   | 20   | 16   | 51   | 24   | 7    | 37     | 39   | 35   | 29   |        |      |      |      |        |      |
| magnesium                        | 70   | 22   | 68   | 59   | 41   | 70   | 56     | 34   | 60   | 31   |        |      |      |      |        |      |
| manganese                        | 70   | 43   | 68   | 62   | 56   | 70   | 22     | 50   | 53   | 23   |        |      |      |      |        |      |
| mercury                          | 44   | 33   | 15   | ND   | 15   | 29   | 29     | 18   | 33   | 39   |        |      |      |      |        |      |
| molybdenum                       | 70   | 49   | 2    | 68   | 23   | 11   | 13     | 63   | 55   | 20   |        |      |      |      |        |      |
| nickel                           | 70   | 30   | 69   | 52   | 1    | 68   | 16     | 39   | 53   | 20   |        |      |      |      |        |      |
| selenium                         | 70   | 50   | 65   | 13   | 54   | 64   | 47     | 50   | 50   | 34   |        |      |      |      |        |      |
| silver                           | 70   | 11   | 63   | 46   | 9    | 8    | 16     | 54   | 56   | 37   |        |      |      |      |        |      |
| thallium                         | 70   | 48   | 8    | 42   | 8    | 8    | 17     | 55   | 64   | 31   |        |      |      |      |        |      |
| thorium                          | 70   | 15   | 6    | 38   | 38   | 13   | 15     | 56   | 43   | 31   |        |      |      |      |        |      |
| titanium                         | 70   | 38   | 4    | 44   | 29   | 4    | 11     | 38   | 14   | 18   |        |      |      |      |        |      |
| vanadium                         | 70   | 50   | 69   | 44   | 17   | 44   | 17     | 44   | 19   | 35   |        |      |      |      |        |      |
| zinc                             | 70   | 20   | 52   | 61   | 2    | 50   | 36     | 58   | 39   | 7    |        |      |      |      |        |      |
| perchlorate                      | 68   | 64   | 4    | 40   | 37   | 44   | 56     | 67   | 57   | ND   |        |      |      |      |        |      |
| # Inorganics Detected in Sample: | 23   | 23   | 22   | 22   | 23   | 23   | 23     | 23   | 23   | 22   |        |      |      |      |        |      |
| # Highest (#1) Ranks in Sample:  | 0    | 1    | 1    | 0    | 3    | 0    | 0      | 0    | 0    | 0    |        |      |      |      |        |      |
| # Top 3 (10%) Ranks in Sample:   | 0    | 2    | 4    | 0    | 5    | 0    | 0      | 0    | 0    | 0    |        |      |      |      |        |      |



TABLE D-7  
Ranks Assigned to Detected Values by Chemical and Sample

| Exposure area                         | LCODE | DCODE | Boring location | Depth | # Detects: | Ranks Assigned to Detected Values by Chemical and Sample |          |          |          |             |             |             |          |          |          |             |             |          |
|---------------------------------------|-------|-------|-----------------|-------|------------|----------------------------------------------------------|----------|----------|----------|-------------|-------------|-------------|----------|----------|----------|-------------|-------------|----------|
|                                       |       |       |                 |       |            | NEA<br>O                                                 | NEA<br>P | NEA<br>T | NEA<br>M | NEA<br>P-11 | NEA<br>P-12 | NEA<br>P-13 | NEA<br>P | NEA<br>M | NEA<br>B | NEA<br>P-12 | NEA<br>P-13 | NEA<br>P |
| actinium 228                          | 63    | 19    | 9               | 25    | 34         | 30                                                       | 4        | 55       | 4        | 62          |             |             |          |          |          |             |             |          |
| bismuth 212                           | ND    | ND    | ND              | ND    | ND         | ND                                                       | 4        | ND       | ND       | ND          | 4           | ND          | ND       | ND       | ND       | ND          | ND          | ND       |
| bismuth 214                           | 22    | 43    | 59              | 10    | 61         | 27                                                       | 39       | 50       | 69       | 69          |             |             |          |          |          |             |             |          |
| lead 210                              | ND    | ND    | ND              | ND    | ND         | ND                                                       | ND       | ND       | ND       | ND          | ND          | ND          | ND       | ND       | ND       | ND          | ND          | ND       |
| lead 212                              | 59    | 1     | 53              | 42    | 33         | 46                                                       | 63       | 46       | 36       | 36          |             |             |          |          |          |             |             |          |
| lead 214                              | 64    | 47    | 69              | 7     | 62         | 45                                                       | 68       | 45       | 54       | 45          |             |             |          |          |          |             |             |          |
| potassium 40                          | 14    | 20    | 66              | 20    | 47         | 45                                                       | 25       | 63       | 52       | 52          |             |             |          |          |          |             |             |          |
| radium 224                            | 57    | 36    | ND              | 27    | 41         | ND                                                       | 20       | 44       | 25       | 25          |             |             |          |          |          |             |             |          |
| radium 226                            | 34    | 4     | 37              | 35    | 24         | ND                                                       | 47       | 9        | ND       | ND          |             |             |          |          |          |             |             |          |
| radium 228                            | 66    | 8     | 37              | 33    | 29         | 21                                                       | 15       | 54       | 1        | 1           |             |             |          |          |          |             |             |          |
| thallium 208                          | 34    | 5     | 57              | 34    | 46         | 29                                                       | 46       | 57       | 25       | 25          |             |             |          |          |          |             |             |          |
| thorium 228                           | 5     | 17    | 6               | 59    | 20         | 41                                                       | 50       | 29       | 39       | 39          |             |             |          |          |          |             |             |          |
| thorium 230                           | 12    | 67    | 41              | 25    | 67         | 52                                                       | 56       | 52       | 56       | 56          |             |             |          |          |          |             |             |          |
| thorium 232                           | 33    | 2     | 24              | 70    | 40         | 44                                                       | 48       | 33       | 24       | 24          |             |             |          |          |          |             |             |          |
| thorium 234                           | ND    | ND    | ND              | ND    | 3          | 11                                                       | ND       | ND       | ND       | ND          |             |             |          |          |          |             |             |          |
| uranium 234                           | 26    | 20    | 41              | 16    | 67         | 35                                                       | 34       | 41       | 50       | 50          |             |             |          |          |          |             |             |          |
| uranium 235                           | 4     | ND    | ND              | 22    | ND         | 28                                                       | 13       | 19       | 10       | 10          |             |             |          |          |          |             |             |          |
| uranium 238                           | 54    | 28    | 32              | 21    | 52         | 43                                                       | 23       | 64       | 62       | 62          |             |             |          |          |          |             |             |          |
| # Radionuclides Detected in Sample:   | 15    | 14    | 13              | 15    | 15         | 14                                                       | 16       | 15       | 14       | 14          |             |             |          |          |          |             |             |          |
| # Highest (#) Ranks in Sample:        | 0     | 1     | 0               | 0     | 0          | 0                                                        | 0        | 0        | 0        | 0           |             |             |          |          |          |             |             |          |
| # Top 2 (10%) Ranks in Sample:        | 0     | 2     | 0               | 0     | 0          | 0                                                        | 0        | 0        | 0        | 0           |             |             |          |          |          |             |             |          |
| Totals for All Chemicals:             |       |       |                 |       |            |                                                          |          |          |          |             |             |             |          |          |          |             |             |          |
| # of 67 Chemicals Detected in Sample: | 40    | 45    | 36              | 38    | 39         | 38                                                       | 39       | 39       | 36       | 36          |             |             |          |          |          |             |             |          |
| # Highest (#) Ranks in Sample:        | 1     | 5     | 1               | 0     | 0          | 0                                                        | 0        | 0        | 0        | 0           |             |             |          |          |          |             |             |          |
| # of Top 10% Ranks in Sample:         | 1     | 8     | 4               | 0     | 0          | 0                                                        | 0        | 0        | 0        | 0           |             |             |          |          |          |             |             |          |

TABLE D-7  
Ranks Assigned to Detected Values by Chemical and Sample

| Exposure area                   | Ranks Assigned to Detected Values by Chemical and Sample |      |      |      |      |      |      |      |      |      |      |        |
|---------------------------------|----------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|--------|
|                                 | NEA                                                      | NEA  | NEA  | NEA  | NEA  | NEA  | NEA  | NEA  | NEA  | NEA  | NEA  | NEA    |
| LCODE                           | P                                                        | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P      |
| DPCODE                          | M                                                        | T    | M    | T    | M    | T    | M    | T    | M    | T    | M    | T      |
| Boring location                 | P-14                                                     | P-15 | P-15 | P-16 | P-16 | P-16 | P-17 | P-17 | P-17 | P-17 | P-17 | P-17   |
| Depth                           | 4-5'                                                     | 0-1' | 4-5' | 0-1' | 4-5' | 0-1' | 4-5' | 0-1' | 4-5' | 6-8' | 0-1' | 10-12' |
| Organics:                       |                                                          |      |      |      |      |      |      |      |      |      |      |        |
| # Detects:                      |                                                          | 9    | 12   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND     |
| acetone                         | ND                                                       | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND     |
| chloroform                      | ND                                                       | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND     |
| ethylbenzene                    | ND                                                       | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND     |
| methylene chloride              | ND                                                       | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND     |
| tetrachlorethene                | ND                                                       | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND     |
| toluene                         | ND                                                       | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND     |
| xylenes                         | ND                                                       | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND     |
| butyl benzyl phthalate          | ND                                                       | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND     |
| di-n-butyl phthalate            | ND                                                       | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND     |
| phenol                          | ND                                                       | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND     |
| 4,4'-DDD                        | ND                                                       | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND     |
| 4,4'-DDE                        | ND                                                       | 3    | 8    | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND     |
| 4,4'-DDT                        | ND                                                       | 6    | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND     |
| alpha chlordane                 | ND                                                       | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND     |
| beta-BHC                        | ND                                                       | 6    | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND     |
| dieldrin                        | ND                                                       | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND     |
| 3                               | ND                                                       | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND     |
| endosulfan II                   | ND                                                       | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND     |
| 1                               | ND                                                       | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND     |
| endosulfan sulfate              | ND                                                       | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND     |
| 1                               | ND                                                       | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND     |
| endrin                          | ND                                                       | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND     |
| 2                               | ND                                                       | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND     |
| endrin aldehyde                 | ND                                                       | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND     |
| 1                               | ND                                                       | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND     |
| endrin ketone                   | ND                                                       | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND     |
| 1                               | ND                                                       | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND     |
| gamma-chlordane                 | ND                                                       | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND     |
| 2                               | ND                                                       | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND     |
| heptachlor epoxide              | ND                                                       | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND     |
| 2                               | ND                                                       | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND     |
| methoxychlor                    | 16                                                       | 17   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | 23   | 29   | ND     |
| dioxins (TEQ)                   | 29                                                       |      |      |      |      |      |      |      |      |      |      |        |
| # Organics Detected in Sample:  | 1                                                        | 5    | 2    | 0    | 0    | 0    | 0    | 0    | 0    | 1    | 1    | 1      |
| # Highest (#1) Ranks in Sample: | 0                                                        | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0      |
| # Top 3 (10%) Ranks in Sample:  | 0                                                        | 1    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0      |

TABLE D-7  
Ranks Assigned to Detected Values by Chemical and Sample

| Exposure area                    | NEA |   | NEA |   | NEA |   | NEA |   | NEA |   | NEA |   | NEA |   | NEA |   |
|----------------------------------|-----|---|-----|---|-----|---|-----|---|-----|---|-----|---|-----|---|-----|---|
|                                  | P   | M | P   | T | P   | M | P   | T | P   | M | P   | T | P   | M | P   | T |
| LCODE                            |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |
| DPCODE                           |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |
| Boring location                  |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |
| Depth                            |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |
|                                  |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |
| <b>Inorganics:</b>               |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |
| aluminum                         | 20  |   | 37  |   | 29  |   | 26  |   | 25  |   | 40  |   | 47  |   | 8   |   |
| antimony                         | ND  |   | ND  |   | ND  |   | ND  |   | ND  |   | ND  |   | ND  |   | ND  |   |
| arsenic                          | 43  |   | 17  |   | 64  |   | 21  |   | 27  |   | 2   |   | 14  |   | 68  |   |
| barium                           | 48  |   | 56  |   | 23  |   | 3   |   | 38  |   | 61  |   | 67  |   | 14  |   |
| beryllium                        | 70  |   | 45  |   | 36  |   | 48  |   | 40  |   | 60  |   | 62  |   | 15  |   |
| cadmium                          | 70  |   | 3   |   | 10  |   | 26  |   | 26  |   | 63  |   | 66  |   | 10  |   |
| chromium                         | 70  |   | 48  |   | 37  |   | 54  |   | 48  |   | 27  |   | 16  |   | 67  |   |
| cobalt                           | 70  |   | 48  |   | 29  |   | 26  |   | 11  |   | 55  |   | 51  |   | 6   |   |
| copper                           | 70  |   | 58  |   | 18  |   | 14  |   | 23  |   | 59  |   | 64  |   | 30  |   |
| iron                             | 70  |   | 43  |   | 37  |   | 30  |   | 4   |   | 51  |   | 42  |   | 2   |   |
| lead                             | 48  |   | 62  |   | 25  |   | 27  |   | 15  |   | 64  |   | 64  |   | 33  |   |
| magnesium                        | 70  |   | 5   |   | 26  |   | 18  |   | 15  |   | 26  |   | 64  |   | 43  |   |
| manganese                        | 70  |   | 17  |   | 20  |   | 26  |   | 2   |   | 57  |   | 58  |   | 10  |   |
| mercury                          | 44  |   | 28  |   | 23  |   | 23  |   | 33  |   | ND  |   | 43  |   | 20  |   |
| molybdenum                       | 70  |   | 40  |   | 57  |   | 56  |   | 45  |   | 42  |   | 33  |   | 50  |   |
| nickel                           | 70  |   | 8   |   | 29  |   | 47  |   | 18  |   | 57  |   | 49  |   | 11  |   |
| selenium                         | 70  |   | 7   |   | 31  |   | 18  |   | 17  |   | 67  |   | 69  |   | 32  |   |
| silver                           | 58  |   | 58  |   | 22  |   | 37  |   | 36  |   | 37  |   | 27  |   | 16  |   |
| thallium                         | 70  |   | 39  |   | 22  |   | 28  |   | 43  |   | 53  |   | 48  |   | 41  |   |
| thorium                          | 70  |   | 67  |   | 31  |   | 31  |   | 36  |   | 62  |   | 56  |   | 7   |   |
| titanium                         | 52  |   | 60  |   | 17  |   | 26  |   | 12  |   | 35  |   | 58  |   | 15  |   |
| vanadium                         | 70  |   | 15  |   | 58  |   | 48  |   | 25  |   | 38  |   | 40  |   | 37  |   |
| zinc                             | 70  |   | 47  |   | 29  |   | 35  |   | 19  |   | 50  |   | 46  |   | 7   |   |
| perchlorate                      | 68  |   | 15  |   | 1   |   | 11  |   | 25  |   | 24  |   | 33  |   | 39  |   |
|                                  | 23  |   | 23  |   | 23  |   | 23  |   | 23  |   | 22  |   | 23  |   | 23  |   |
| # Inorganics Detected in Sample: | 0   |   | 0   |   | 1   |   | 0   |   | 0   |   | 0   |   | 0   |   | 0   |   |
| # Highest (#1) Ranks in Sample:  | 0   |   | 1   |   | 1   |   | 0   |   | 0   |   | 1   |   | 0   |   | 0   |   |
| # Top 3 (10%) Ranks in Sample:   | 0   |   | 2   |   | 1   |   | 1   |   | 1   |   | 1   |   | 0   |   | 1   |   |

**TABLE D-7**  
**Ranks Assigned to Detected Values by Chemical and Sample**

| Exposure area                         | NEA |    | NEA |    | NEA |    | NEA |    | NEA |    | NEA |    | NEA |    | NEA |    |
|---------------------------------------|-----|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|----|
|                                       | P   | T  | P   | T  | P   | T  | P   | T  | P   | T  | P   | T  | P   | T  | P   | T  |
| <b>Radionuclides:</b>                 |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |    |
| actinium 228                          | 61  | 10 | 51  | 16 | 58  | 46 | 56  | 14 | 19  | 22 | 58  |    |     |    |     |    |
| bismuth 212                           | ND  | ND | ND  | 3  | ND  | ND | ND  | ND | ND  | ND | ND  | ND | ND  | ND | ND  | ND |
| bismuth 214                           | 45  | 65 | 43  | 31 | 64  | 42 | 27  | 37 | 61  | 52 | 54  |    |     |    |     |    |
| lead 210                              | ND  | ND | ND  | ND | ND  | ND | ND  | ND | ND  | ND | ND  | ND | ND  | ND | ND  | ND |
| lead 212                              | 70  | 3  | 10  | 3  | 24  | 60 | 68  | 46 | 9   | 62 | 46  |    |     |    |     |    |
| lead 214                              | 70  | 59 | 26  | 33 | 66  | 51 | 21  | 35 | 43  | 18 | 47  |    |     |    |     |    |
| potassium 40                          | 70  | 45 | 58  | 65 | 40  | 56 | 25  | 57 | 17  | 3  | 30  |    |     |    |     |    |
| radium 224                            | 57  | 44 | 51  | 44 | 56  | 24 | 4   | ND | 38  | 4  | 51  |    |     |    |     |    |
| radium 226                            | 50  | ND | 26  | 31 | 40  | 36 | ND  | 39 | ND  | 24 | 33  |    |     |    |     |    |
| radium 228                            | 70  | 2  | 7   | 23 | 11  | 56 | 53  | 34 | 3   | 46 | 10  |    |     |    |     |    |
| thallium 208                          | 69  | 10 | 8   | 52 | 65  | 64 | 65  | 14 | 10  | 5  | 57  |    |     |    |     |    |
| thorium 228                           | 70  | 16 | 9   | 39 | 37  | 45 | 4   | 29 | 9   | 25 | 29  |    |     |    |     |    |
| thorium 230                           | 70  | 41 | 30  | 19 | 54  | 30 | 9   | 25 | 69  | 22 | 56  |    |     |    |     |    |
| thorium 232                           | 70  | 11 | 13  | 24 | 10  | 21 | 56  | 28 | 50  | 41 | 13  |    |     |    |     |    |
| thorium 234                           | 20  | ND | 18  | ND | ND  | ND | ND  | ND | ND  | ND | ND  |    |     |    |     |    |
| uranium 234                           | 70  | 49 | 36  | 19 | 38  | 33 | 7   | 5  | 63  | 37 | 40  |    |     |    |     |    |
| uranium 235                           | 70  | 69 | 36  | 22 | 35  | 48 | 10  | 11 | 40  | 59 | 43  |    |     |    |     |    |
| uranium 238                           | 70  | 13 | 15  | 16 | 15  | 14 | 14  | 14 | 13  | 15 | 14  |    |     |    |     |    |
| # Radionuclides Detected in Sample:   | 1   | 1  | 0   | 0  | 0   | 0  | 0   | 0  | 0   | 0  | 0   |    |     |    |     |    |
| # Highest (#1) Ranks in Sample:       | 1   | 1  | 0   | 0  | 0   | 0  | 0   | 0  | 0   | 0  | 0   |    |     |    |     |    |
| # Top 2 (10%) Ranks in Sample:        | 1   | 1  | 0   | 0  | 0   | 0  | 0   | 0  | 0   | 0  | 0   |    |     |    |     |    |
| <b>Totals for All Chemicals:</b>      |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |    |
| # of 67 Chemicals Detected in Sample: | 37  | 43 | 40  | 39 | 38  | 38 | 37  | 38 | 37  | 39 | 38  |    |     |    |     |    |
| # Highest (#1) Ranks in Sample:       | 0   | 2  | 0   | 1  | 0   | 0  | 0   | 0  | 0   | 0  | 0   |    |     |    |     |    |
| # of Top 10% Ranks in Sample:         | 1   | 4  | 1   | 1  | 1   | 1  | 1   | 0  | 1   | 1  | 1   |    |     |    |     |    |

**TABLE D-7**  
**Ranks Assigned to Detected Values by Chemical and Sample**

|                                 | SEA  |      | SEA  |      | SEA  |      | SEA  |      | SEA  |      | SEA  |      | SEA  |      | SEA  |      | SEA  |      |
|---------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                                 | D    | T    | D    | M    | D    | M    | D    | T    | D    | M    | D    | T    | D    | M    | D    | T    | D    | M    |
| Exposure area                   | D    | T    | D    | M    | D    | M    | D    | T    | D    | M    | D    | T    | D    | M    | D    | T    | D    | M    |
| LCODE                           | D    | T    | D    | M    | D    | M    | D    | T    | D    | M    | D    | T    | D    | M    | D    | T    | D    | M    |
| DCODE                           | D    | T    | D    | M    | D    | M    | D    | T    | D    | M    | D    | T    | D    | M    | D    | T    | D    | M    |
| Boring location                 | A-1  | A-1  | A-1  | A-1  | A-2  | A-2  | A-2  | A-2  | B-1  | B-1  | B-1  | B-1  | B-1  | B-1  | B-1  | B-1  | B-1  | B-1  |
| Depth                           | 0-1' | 0-1' | 0-1' | 0-1' | 0-1' | 0-1' | 0-1' | 0-1' | 0-1' | 0-1' | 0-1' | 0-1' | 0-1' | 0-1' | 0-1' | 0-1' | 0-1' | 0-1' |
| <b>Organics:</b>                |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| acetone                         | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   |
| chloroform                      | ND   | ND   | 1    | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   |
| ethylbenzene                    | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   |
| methylene chloride              | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | 2    |
| tetrachlorethene                | ND   | ND   | 1    | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   |
| toluene                         | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   |
| xylenes                         | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   |
| butyl benzyl phthalate          | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   |
| di-n-butyl phthalate            | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   |
| phenol                          | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   |
| 4,4'-DDD                        | ND   | ND   | 2    | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   |
| 4,4'-DDE                        | ND   | ND   | 2    | ND   | ND   | ND   | ND   | 7    | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   |
| 4,4'-DDT                        | ND   | ND   | 2    | ND   | ND   | ND   | 4    | ND   | ND   | ND   | 7    | ND   | ND   | ND   | ND   | ND   | ND   | ND   |
| alpha chlordanes                | ND   | ND   | 1    | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   |
| beta-BHC                        | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   |
| dieldrin                        | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   |
| endosulfan II                   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   |
| endosulfan sulfate              | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   |
| endrin                          | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   |
| endrin aldehyde                 | ND   | ND   | 2    | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   |
| endrin ketone                   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   |
| gamma-chlordane                 | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   |
| heptachlor epoxide              | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   |
| methoxychlor                    | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   |
| dioxins (TEQ)                   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   | ND   |
| # Organics Detected in Sample:  | 0    | 0    | 2    | 2    | 7    | 0    | 0    | 0    | 2    | 2    | 2    | 1    | 1    | 1    | 1    | 1    | 1    | 1    |
| # Highest (#1) Ranks in Sample: | 0    | 0    | 2    | 2    | 3    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| # Top 3 (10%) Ranks in Sample:  | 0    | 0    | 2    | 2    | 7    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |

TABLE D-7  
Ranks Assigned to Detected Values by Chemical and Sample

| Exposure area                           | Ranks Assigned to Detected Values by Chemical and Sample |        |        |      |        |        |      |        |        |      |        |        |
|-----------------------------------------|----------------------------------------------------------|--------|--------|------|--------|--------|------|--------|--------|------|--------|--------|
|                                         | SEA                                                      | SEA    | SEA    | SEA  | SEA    | SEA    | SEA  | SEA    | SEA    | SEA  | SEA    | SEA    |
| LCODE                                   | D                                                        | D      | D      | D    | D      | D      | D    | D      | D      | D    | D      | P      |
| D BORE                                  | T                                                        | M      | T      | M    | B      | T      | M    | B      | T      | M    | B      | T      |
| Boring location                         | A-1                                                      | A-1    | A-2    | A-2  | A-2    | A-2    | A-2  | A-2    | A-2    | A-2  | A-2    | P-1    |
| Depth                                   | 0-1'                                                     | 10-12' | 16-18' | 0-1' | 10-12' | 19-21' | 0-1' | 10-12' | 19-21' | 0-1' | 10-12' | 18-20' |
| <b>Inorganics:</b>                      |                                                          |        |        |      |        |        |      |        |        |      |        |        |
| aluminum                                | 37                                                       | 28     | 4      | 3    | 24     | 57     | 43   |        |        |      |        |        |
| antimony                                | ND                                                       | ND     | ND     | ND   | ND     | ND     | 1    | ND     | ND     | ND   | ND     | ND     |
| arsenic                                 | 39                                                       | 34     | 3      | 63   | 28     | 14     | 1    | 45     | 11     | 45   | 21     | 30     |
| barium                                  | 29                                                       | 66     | 53     | 48   | 43     | 65     | 1    | 64     | 70     | 35   | 2      | 55     |
| beryllium                               | 36                                                       | 62     | 4      | 23   | 6      | 25     | 10   | 10     | 40     | 8    | 9      | 58     |
| cadmium                                 | 5                                                        | 20     | 1      | 6    | 44     | 62     | 2    | 38     | 20     | 42   | 52     | 45     |
| chromium                                | 6                                                        | 61     | 3      | 58   | 23     | 7      | 1    | 62     | 32     | 35   | 31     | 67     |
| cobalt                                  | 26                                                       | 45     | 45     | 29   | 19     | 65     | 2    | 12     | 63     | 22   | 26     | 59     |
| copper                                  | 5                                                        | 28     | 20     | 9    | 41     | 63     | 2    | 10     | 52     | 37   | 46     | 70     |
| iron                                    | 51                                                       | 30     | 50     | 46   | 40     | 59     | 26   | 18     | 70     | 28   | 33     | 48     |
| lead                                    | 8                                                        | 50     | 43     | 18   | 29     | 56     | 1    | 45     | 70     | 23   | 14     | 60     |
| magnesium                               | 13                                                       | 51     | 1      | 53   | 16     | 10     | 55   | 22     | 3      | 43   | 39     | 36     |
| manganese                               | 7                                                        | 25     | 41     | 23   | 42     | 66     | 1    | 32     | 17     | 31   | 45     | 52     |
| mercury                                 | 33                                                       | ND     | ND     | 12   | 13     | ND     | ND   | ND     | ND     | ND   | ND     | 9      |
| molybdenum                              | 14                                                       | 27     | 4      | 37   | 60     | 23     | 1    | 47     | 3      | 53   | 45     | 27     |
| nickel                                  | 9                                                        | 49     | 2      | 39   | 27     | 67     | 3    | 4      | 14     | 35   | 31     | 64     |
| selenium                                | 2                                                        | 60     | 14     | 28   | 47     | 29     | 23   | 10     | 16     | 57   | 69     | 18     |
| silver                                  | 6                                                        | 61     | 5      | 16   | 22     | 27     | 1    | 16     | 27     | 11   | 37     | 51     |
| thallium                                | 8                                                        | 55     | 2      | 26   | 16     | 17     | 1    | 39     | 3      | 14   | 37     | 64     |
| thorium                                 | 52                                                       | 48     | 43     | 28   | 9      | 17     | 45   | 2      | 69     | 9    | 8      | 18     |
| titanium                                | 8                                                        | 31     | 54     | 33   | 33     | 65     | 1    | 20     | 70     | 20   | 55     | 66     |
| vanadium                                | 28                                                       | 34     | 2      | 53   | 7      | 54     | 1    | 8      | 62     | 5    | 6      | 47     |
| zinc                                    | 26                                                       | 27     | 12     | 28   | 49     | 55     | 1    | 10     | 69     | 38   | 39     | 43     |
| perchlorate                             | 14                                                       | 53     | 16     | 5    | 19     | 23     | 12   | 17     | 21     | 68   | 45     | 54     |
| <b># Inorganics Detected in Sample:</b> | 23                                                       | 22     | 22     | 23   | 23     | 22     | 23   | 22     | 22     | 22   | 22     | 23     |
| <b># Highest (#1) Ranks in Sample:</b>  | 0                                                        | 0      | 2      | 0    | 0      | 0      | 12   | 0      | 0      | 0    | 0      | 0      |
| <b># Top 3 (10%) Ranks in Sample:</b>   | 1                                                        | 0      | 7      | 1    | 0      | 0      | 16   | 1      | 3      | 0    | 1      | 0      |

**TABLE D-7**  
**Ranks Assigned to Detected Values by Chemical and Sample**

| Exposure area                         | Ranks Assigned to Detected Values by Chemical and Sample |        |        |      |        |        |      |        |        |      |        |        |
|---------------------------------------|----------------------------------------------------------|--------|--------|------|--------|--------|------|--------|--------|------|--------|--------|
|                                       | SEA                                                      | SEA    | SEA    | SEA  | SEA    | SEA    | SEA  | SEA    | SEA    | SEA  | SEA    | SEA    |
| LCODE                                 | D                                                        | D      | D      | D    | D      | D      | D    | D      | D      | D    | D      | D      |
| DPCODE                                | T                                                        | M      | B      | T    | M      | B      | T    | M      | B      | T    | M      | B      |
| Boring location                       | A-1                                                      | A-1    | A-1    | A-2  | A-2    | A-2    | B-1  | B-1    | B-1    | B-1  | P-1    | P-1    |
| Depth                                 | 0-1'                                                     | 10-12' | 16-18' | 0-1' | 10-12' | 19-21' | 0-1' | 10-12' | 19-21' | 0-1' | 10-12' | 18-20' |
| <b>Radionuclides:</b>                 |                                                          |        |        |      |        |        |      |        |        |      |        |        |
| actinium 228                          | 5                                                        | 33     | ND     | 6    | 51     | 25     | 32   | 44     | ND     | 66   | 34     | 47     |
| bismuth 212                           | ND                                                       | ND     | ND     | ND   | ND     | ND     | ND   | ND     | ND     | ND   | ND     | ND     |
| bismuth 214                           | 33                                                       | 18     | 1      | 18   | 25     | 7      | 45   | 39     | 2      | 52   | 14     | 8      |
| lead 210                              | 4                                                        | ND     | 1      | ND   | ND     | 2      | ND   | ND     | ND     | ND   | ND     | ND     |
| lead 212                              | 70                                                       | 20     | 70     | 36   | 33     | 21     | 42   | 51     | 68     | 30   | 54     | 54     |
| lead 214                              | 70                                                       | 28     | 1      | 21   | 15     | 8      | 33   | 21     | 2      | 43   | 17     | 9      |
| potassium 40                          | 8                                                        | 43     | 69     | 60   | 17     | 40     | 55   | 9      | 70     | 53   | 38     | 28     |
| radium 224                            | 27                                                       | 17     | 1      | ND   | 27     | 17     | 54   | ND     | 3      | ND   | 12     | ND     |
| radium 226                            | ND                                                       | ND     | 8      | ND   | 12     | 12     | 14   | 17     | 2      | ND   | ND     | 48     |
| radium 228                            | 42                                                       | 36     | 67     | 25   | 30     | 32     | 44   | 24     | 20     | 26   | 28     | 14     |
| thallium 208                          | 3                                                        | 34     | ND     | 25   | 29     | 57     | 34   | 14     | 42     | 34   | 29     | 52     |
| thorium 228                           | 62                                                       | 28     | 69     | 51   | 48     | 67     | 43   | 22     | 2      | 60   | 21     | 35     |
| thorium 230                           | 61                                                       | 10     | 1      | 37   | 22     | 19     | 51   | 15     | 4      | 56   | 16     | 7      |
| thorium 232                           | 36                                                       | 3      | 65     | 41   | 38     | 64     | 53   | 56     | 67     | 59   | 58     | 52     |
| thorium 234                           | ND                                                       | 8      | 1      | 12   | ND     | ND     | 19   | ND     | ND     | ND   | ND     | ND     |
| uranium 234                           | 66                                                       | 11     | 1      | 52   | 39     | 12     | 14   | 26     | 16     | 57   | 10     | 13     |
| uranium 235                           | ND                                                       | ND     | 8      | ND   | ND     | 20     | 18   | 18     | 30     | ND   | ND     | 22     |
| uranium 238                           | 64                                                       | 12     | 1      | 57   | 49     | 14     | 13   | 18     | 9      | 55   | 24     | 14     |
|                                       | 13                                                       | 14     | 15     | 13   | 14     | 16     | 15   | 14     | 14     | 12   | 13     | 14     |
| # Radionuclides Detected in Sample:   | 0                                                        | 0      | 8      | 0    | 0      | 0      | 0    | 0      | 0      | 0    | 0      | 0      |
| # Highest (#1) Ranks in Sample:       | 0                                                        | 0      | 8      | 0    | 0      | 1      | 0    | 0      | 4      | 0    | 0      | 0      |
| # Top 2 (10%) Ranks in Sample:        | 0                                                        | 0      | 8      | 0    | 0      | 1      | 0    | 0      | 4      | 0    | 0      | 0      |
| <b>Totals for All Chemicals:</b>      |                                                          |        |        |      |        |        |      |        |        |      |        |        |
| # of 67 Chemicals Detected in Sample: | 36                                                       | 36     | 39     | 43   | 37     | 38     | 40   | 38     | 37     | 35   | 35     | 39     |
| # Highest (#1) Ranks in Sample:       | 0                                                        | 0      | 12     | 3    | 0      | 0      | 12   | 0      | 0      | 0    | 0      | 0      |
| # of Top 10% Ranks in Sample:         | 1                                                        | 0      | 17     | 8    | 0      | 1      | 16   | 2      | 7      | 0    | 1      | 1      |

TABLE D-7  
Ranks Assigned to Detected Values by Chemical and Sample

| Exposure area                   | SEA  |      | SEA    |        | SEA        |      | SEA  |      | SEA    |        | SEA    |      | SEA  |        | SEA    |      |
|---------------------------------|------|------|--------|--------|------------|------|------|------|--------|--------|--------|------|------|--------|--------|------|
|                                 | P    | T    | P      | T      | P          | T    | P    | T    | P      | T      | P      | T    | P    | T      | P      | T    |
| LCODE                           | P    | T    | P      | T      | P          | T    | P    | T    | P      | T      | P      | T    | P    | T      | P      | T    |
| DCODE                           | T    |      | B      |        | M          |      | M    |      | B      |        | M      |      | M    |        | B      |      |
| Boring location                 | P-10 | P-10 | P-10   | P-10   | P-10       | P-10 | P-2  | P-2  | P-2    | P-2    | P-2    | P-2  | P-2  | P-2    | P-3    | P-4  |
| Depth                           | 0-1' | 0-1' | 10-11* | 10-11* | 16.5-17.5' | 0-1' | 0-1' | 0-1' | 16-18' | 10-12' | 10-12' | 0-1' | 0-1' | 10-12' | 18-20' | 0-1' |
| <b>Organics:</b>                |      |      |        |        |            |      |      |      |        |        |        |      |      |        |        |      |
| acetone                         | 3    |      | 2      |        | 5          |      | ND   |      | ND     |        | ND     |      | ND   |        | ND     | ND   |
| chloroform                      | ND   |      | ND     |        | ND         |      | ND   |      | ND     |        | ND     |      | ND   |        | ND     | ND   |
| ethylbenzene                    | ND   |      | ND     |        | ND         |      | ND   |      | ND     |        | ND     |      | ND   |        | ND     | ND   |
| methylene chloride              | 5    |      | ND     |        | ND         |      | ND   |      | ND     |        | ND     |      | ND   |        | ND     | ND   |
| tetrachlorethene                | 2    |      | ND     |        | ND         |      | ND   |      | ND     |        | ND     |      | ND   |        | ND     | ND   |
| toluene                         | 2    |      | ND     |        | ND         |      | ND   |      | ND     |        | ND     |      | ND   |        | ND     | ND   |
| xylenes                         | 1    |      | ND     |        | ND         |      | ND   |      | ND     |        | ND     |      | ND   |        | ND     | ND   |
| butyl benzyl phthalate          | 1    |      | ND     |        | ND         |      | ND   |      | ND     |        | ND     |      | ND   |        | ND     | ND   |
| di-n-butyl phthalate            | 1    |      | ND     |        | ND         |      | ND   |      | ND     |        | ND     |      | ND   |        | ND     | ND   |
| phenol                          | 1    |      | ND     |        | ND         |      | ND   |      | ND     |        | ND     |      | ND   |        | ND     | ND   |
| 4,4'-DDD                        | 2    |      | 1      |        | ND         |      | ND   |      | ND     |        | ND     |      | ND   |        | ND     | ND   |
| 4,4'-DDE                        | 10   |      | 5      |        | ND         |      | ND   |      | ND     |        | ND     |      | ND   |        | ND     | ND   |
| 4,4'-DDT                        | 9    |      | 3      |        | ND         |      | ND   |      | ND     |        | ND     |      | ND   |        | ND     | ND   |
| alpha chlordane                 | 1    |      | ND     |        | ND         |      | ND   |      | ND     |        | ND     |      | ND   |        | ND     | ND   |
| beta-BHC                        | 8    |      | 4      |        | ND         |      | ND   |      | ND     |        | ND     |      | ND   |        | ND     | ND   |
| dieldrin                        | 3    |      | 1      |        | ND         |      | ND   |      | ND     |        | ND     |      | ND   |        | ND     | ND   |
| endosulfan II                   | 1    |      | 1      |        | ND         |      | ND   |      | ND     |        | ND     |      | ND   |        | ND     | ND   |
| endosulfan sulfate              | 1    |      | 1      |        | ND         |      | ND   |      | ND     |        | ND     |      | ND   |        | ND     | ND   |
| endrin                          | 1    |      | ND     |        | ND         |      | ND   |      | ND     |        | ND     |      | ND   |        | ND     | ND   |
| endrin aldehyde                 | 2    |      | ND     |        | ND         |      | ND   |      | ND     |        | ND     |      | ND   |        | ND     | ND   |
| endrin ketone                   | 1    |      | 1      |        | ND         |      | ND   |      | ND     |        | ND     |      | ND   |        | ND     | ND   |
| gamma-chlordane                 | 1    |      | ND     |        | ND         |      | ND   |      | ND     |        | ND     |      | ND   |        | ND     | ND   |
| heptachlor epoxide              | 2    |      | ND     |        | ND         |      | ND   |      | ND     |        | ND     |      | ND   |        | ND     | ND   |
| methoxychlor                    | 2    |      | 2      |        | ND         |      | ND   |      | ND     |        | ND     |      | ND   |        | ND     | ND   |
| dioxins (TEQ)                   | 29   |      | 5      |        | ND         |      | ND   |      | ND     |        | ND     |      | ND   |        | ND     | ND   |
| # Organics Detected in Sample:  | 13   |      | 1      |        | 1          |      | 3    |      | 0      |        | 0      |      | 0    |        | 0      | 0    |
| # Highest (#1) Ranks in Sample: | 7    |      | 0      |        | 0          |      | 0    |      | 0      |        | 0      |      | 0    |        | 0      | 0    |
| # Top 3 (10%) Ranks in Sample:  | 10   |      | 1      |        | 0          |      | 1    |      | 0      |        | 0      |      | 0    |        | 0      | 0    |



**TABLE D-7**  
**Ranks Assigned to Detected Values by Chemical and Sample**

| Exposure area                           | SEA |    | SEA |    | SEA |    | SEA |    | SEA |    | SEA |    | SEA |    | SEA |    |
|-----------------------------------------|-----|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|----|
|                                         | P   | T  | P   | T  | P   | T  | P   | T  | P   | T  | P   | T  | P   | T  | P   | T  |
| <b>Inorganics:</b>                      |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |    |
| aluminum                                | 70  | 44 | 45  | 31 | 54  | 61 | 59  | 65 | 59  | 65 | 59  | 65 | 59  | 65 | 59  | 65 |
| antimony                                | 1   | ND | ND  | ND | ND  | ND | ND  | ND | ND  | ND | ND  | ND | ND  | ND | ND  | ND |
| arsenic                                 | 70  | 49 | 49  | 64 | 20  | 9  | 69  | 31 | 37  | 31 | 37  | 31 | 37  | 31 | 37  | 31 |
| barium                                  | 70  | 28 | 56  | 42 | 45  | 59 | 40  | 5  | 62  | 5  | 62  | 5  | 62  | 5  | 62  | 5  |
| beryllium                               | 70  | 40 | 30  | 40 | 19  | 53 | 16  | 60 | 30  | 60 | 30  | 60 | 30  | 60 | 30  | 60 |
| cadmium                                 | 70  | 38 | 20  | 7  | 53  | 54 | 26  | 65 | 49  | 65 | 49  | 65 | 49  | 65 | 49  | 65 |
| chromium                                | 70  | 63 | 43  | 51 | 23  | 20 | 66  | 30 | 60  | 30 | 60  | 30 | 60  | 30 | 60  | 30 |
| cobalt                                  | 70  | 42 | 42  | 7  | 35  | 62 | 13  | 63 | 29  | 63 | 29  | 63 | 29  | 63 | 29  | 63 |
| copper                                  | 70  | 61 | 50  | 37 | 55  | 67 | 54  | 68 | 11  | 68 | 11  | 68 | 11  | 68 | 11  | 68 |
| iron                                    | 70  | 61 | 51  | 19 | 65  | 58 | 12  | 62 | 55  | 62 | 55  | 62 | 55  | 62 | 55  | 62 |
| lead                                    | 6   | 36 | 55  | 43 | 18  | 60 | 53  | 37 | 58  | 37 | 58  | 37 | 58  | 37 | 58  | 37 |
| magnesium                               | 70  | 69 | 49  | 36 | 31  | 7  | 43  | 67 | 34  | 67 | 34  | 67 | 34  | 67 | 34  | 67 |
| manganese                               | 70  | 68 | 14  | 48 | 21  | 64 | 13  | 61 | 38  | 61 | 38  | 61 | 38  | 61 | 38  | 61 |
| mercury                                 | 44  | 15 | 39  | 44 | 4   | 3  | ND  | ND | 37  | ND | 37  | ND | 37  | ND | 37  | ND |
| molybdenum                              | 70  | 7  | 35  | 34 | 10  | 14 | 50  | 23 | 41  | 23 | 41  | 23 | 41  | 23 | 41  | 23 |
| nickel                                  | 70  | 70 | 55  | 57 | 31  | 63 | 57  | 62 | 27  | 62 | 27  | 62 | 27  | 62 | 27  | 62 |
| selenium                                | 70  | 40 | 65  | 38 | 21  | 57 | 50  | 34 | 43  | 34 | 43  | 34 | 43  | 34 | 43  | 34 |
| silver                                  | 70  | 4  | 46  | 51 | 46  | 37 | 27  | 68 | 37  | 68 | 37  | 68 | 37  | 68 | 37  | 68 |
| thallium                                | 70  | 22 | 36  | 60 | 33  | 44 | 55  | 46 | 60  | 46 | 60  | 46 | 60  | 46 | 60  | 46 |
| thorium                                 | 70  | 67 | 48  | 20 | 31  | 53 | 29  | 4  | 24  | 4  | 24  | 4  | 24  | 4  | 24  | 4  |
| titanium                                | 70  | 2  | 29  | 16 | 53  | 56 | 43  | 67 | 36  | 67 | 36  | 67 | 36  | 67 | 36  | 67 |
| vanadium                                | 70  | 70 | 49  | 65 | 22  | 43 | 63  | 61 | 16  | 61 | 16  | 61 | 16  | 61 | 16  | 61 |
| zinc                                    | 70  | 59 | 41  | 53 | 13  | 59 | 13  | 63 | 44  | 63 | 44  | 63 | 44  | 63 | 44  | 63 |
| perchlorate                             | 68  | 8  | 51  | 52 | 65  | 47 | 61  | 55 | 28  | 55 | 28  | 55 | 28  | 55 | 28  | 55 |
| <b># Inorganics Detected in Sample:</b> | 23  | 23 | 23  | 23 | 23  | 23 | 22  | 22 | 23  | 22 | 23  | 22 | 23  | 22 | 23  | 22 |
| <b># Highest (#1) Ranks in Sample:</b>  | 0   | 0  | 0   | 0  | 0   | 0  | 0   | 0  | 0   | 0  | 0   | 0  | 0   | 0  | 0   | 0  |
| <b># Top 3 (10%) Ranks in Sample:</b>   | 1   | 0  | 0   | 0  | 1   | 1  | 0   | 0  | 0   | 0  | 0   | 0  | 0   | 0  | 0   | 0  |

**TABLE D-7**  
**Ranks Assigned to Detected Values by Chemical and Sample**

| Exposure area                                | SEA  |        | SEA        |            | SEA  |      | SEA    |        | SEA  |      | SEA    |        | SEA    |        | SEA    |      |
|----------------------------------------------|------|--------|------------|------------|------|------|--------|--------|------|------|--------|--------|--------|--------|--------|------|
|                                              | P    | P      | P          | P          | P    | P    | P      | P      | P    | P    | P      | P      | P      | P      | P      | P    |
| <b>LCODE</b>                                 | T    | M      | B          | P-10       | P-2  | T    | M      | B      | T    | M    | T      | M      | B      | T      | M      | T    |
| <b>DCODE</b>                                 | P-10 | P-10   | P-10       | P-10       | P-2  | P-2  | P-2    | P-2    | P-3  | P-3  | P-3    | P-3    | P-3    | P-3    | P-3    | P-3  |
| <b>Boring location</b>                       | 0-1' | 10-11' | 16.5-17.5' | 16.5-17.5' | 0-1' | 0-1' | 10-12' | 16-18' | 0-1' | 0-1' | 10-12' | 18-20' | 18-20' | 18-20' | 18-20' | 0-1' |
| <b>Depth</b>                                 |      |        |            |            |      |      |        |        |      |      |        |        |        |        |        |      |
| <b>Radionuclides:</b>                        |      |        |            |            |      |      |        |        |      |      |        |        |        |        |        |      |
| actinium 228                                 | 37   | 10     | 29         | 29         | 30   | 30   | 7      | 41     | 1    | 1    | 51     | 49     | 49     | 65     | 65     | 65   |
| bismuth 212                                  | ND   | ND     | ND         | ND         | ND   | ND   | ND     | ND     | ND   | ND   | ND     | ND     | ND     | ND     | ND     | ND   |
| bismuth 214                                  | 50   | 57     | 67         | 67         | 9    | 9    | 70     | 5      | 36   | 36   | 38     | 23     | 23     | 57     | 57     | 57   |
| lead 210                                     | ND   | ND     | ND         | ND         | ND   | ND   | ND     | ND     | ND   | ND   | ND     | 3      | 3      | ND     | ND     | ND   |
| lead 212                                     | 18   | 13     | 56         | 56         | 21   | 21   | 17     | 57     | 13   | 13   | 30     | 6      | 6      | 42     | 42     | 42   |
| lead 214                                     | 28   | 41     | 47         | 47         | 10   | 10   | 57     | 5      | 54   | 54   | 37     | 24     | 24     | 57     | 57     | 57   |
| potassium 40                                 | 35   | 34     | 4          | 4          | 28   | 28   | 47     | 58     | 24   | 24   | 20     | 2      | 2      | 64     | 64     | 64   |
| radium 224                                   | 27   | 20     | 20         | 20         | 36   | 36   | 48     | 11     | 41   | 41   | ND     | 13     | 13     | 48     | 48     | 48   |
| radium 226                                   | 19   | 46     | ND         | ND         | 18   | 18   | 20     | 11     | 37   | 37   | 42     | 29     | 29     | ND     | ND     | ND   |
| radium 228                                   | 64   | 65     | 51         | 51         | 55   | 55   | 49     | 31     | 9    | 9    | 27     | 18     | 18     | 13     | 13     | 13   |
| thallium 208                                 | 23   | 65     | 34         | 34         | 42   | 42   | 46     | 25     | 23   | 23   | 20     | 52     | 52     | 61     | 61     | 61   |
| thorium 228                                  | 11   | 49     | 15         | 15         | 65   | 65   | 37     | 65     | 25   | 25   | 1      | 68     | 68     | 32     | 32     | 32   |
| thorium 230                                  | 62   | 39     | 39         | 39         | 27   | 27   | 54     | 5      | 69   | 69   | 27     | 34     | 34     | 22     | 22     | 22   |
| thorium 232                                  | 36   | 33     | 9          | 9          | 47   | 47   | 12     | 63     | 53   | 53   | 18     | 4      | 4      | 23     | 23     | 23   |
| thorium 234                                  | ND   | ND     | 5          | 5          | 16   | 16   | ND     | 15     | ND   | ND   | ND     | ND     | ND     | ND     | ND     | ND   |
| uranium 234                                  | 29   | 2      | 64         | 64         | 14   | 14   | 70     | 6      | 59   | 59   | 41     | 21     | 21     | 62     | 62     | 62   |
| uranium 235                                  | ND   | 11     | 1          | 1          | ND   | ND   | ND     | ND     | 29   | 29   | ND     | 3      | 3      | ND     | ND     | ND   |
| uranium 238                                  | 32   | 3      | 59         | 59         | 17   | 17   | 31     | 4      | 52   | 52   | 20     | 43     | 43     | 55     | 55     | 55   |
| <b># Radionuclides Detected in Sample:</b>   | 14   | 15     | 15         | 15         | 15   | 15   | 14     | 15     | 16   | 16   | 13     | 16     | 16     | 13     | 13     | 13   |
| <b># Highest (#1) Ranks in Sample:</b>       | 0    | 0      | 1          | 1          | 0    | 0    | 0      | 0      | 2    | 2    | 1      | 0      | 0      | 0      | 0      | 0    |
| <b># Top 2 (10%) Ranks in Sample:</b>        | 0    | 1      | 1          | 1          | 0    | 0    | 0      | 0      | 2    | 2    | 1      | 1      | 1      | 0      | 0      | 0    |
| <b>Totals for All Chemicals:</b>             |      |        |            |            |      |      |        |        |      |      |        |        |        |        |        |      |
| <b># of 67 Chemicals Detected in Sample:</b> | 50   | 39     | 39         | 39         | 41   | 41   | 37     | 38     | 39   | 39   | 36     | 38     | 38     | 40     | 40     | 40   |
| <b># Highest (#1) Ranks in Sample:</b>       | 7    | 0      | 1          | 1          | 0    | 0    | 0      | 0      | 2    | 2    | 1      | 0      | 0      | 1      | 1      | 1    |
| <b># of Top 10% Ranks in Sample:</b>         | 11   | 2      | 1          | 1          | 1    | 1    | 1      | 1      | 2    | 2    | 1      | 1      | 1      | 2      | 2      | 2    |

TABLE D-7  
 Ranks Assigned to Detected Values by Chemical and Sample

| Exposure area                   | L CODE | DCODE | Boring location | Depth | # Detects: | SEA |    | SEA |    | SEA |    | SEA |    | SEA |    |
|---------------------------------|--------|-------|-----------------|-------|------------|-----|----|-----|----|-----|----|-----|----|-----|----|
|                                 |        |       |                 |       |            | P   | M  | P   | T  | P   | B  | P   | T  | P   | B  |
| acetone                         | 13     |       |                 |       |            | ND  | ND | ND  | ND | ND  | ND | ND  | ND | ND  | 6  |
| chloroform                      | 3      |       |                 |       |            | ND  | ND | ND  | 3  | ND  | ND | ND  | ND | ND  | ND |
| ethylbenzene                    | 1      |       |                 |       |            | ND  | ND | ND  | ND | ND  | ND | ND  | ND | ND  | ND |
| methylene chloride              | 5      |       |                 |       |            | ND  | ND | ND  | ND | ND  | ND | ND  | ND | ND  | ND |
| tetrachlorethene                | 2      |       |                 |       |            | ND  | ND | ND  | ND | ND  | ND | ND  | ND | ND  | ND |
| toluene                         | 2      |       |                 |       |            | ND  | ND | ND  | ND | ND  | ND | ND  | ND | ND  | 2  |
| xylenes                         | 1      |       |                 |       |            | ND  | ND | ND  | ND | ND  | ND | ND  | ND | ND  | ND |
| butyl benzyl phthalate          | 1      |       |                 |       |            | ND  | ND | ND  | ND | ND  | ND | ND  | ND | ND  | 1  |
| di-n-butyl phthalate            | 1      |       |                 |       |            | ND  | ND | ND  | ND | ND  | ND | ND  | ND | ND  | ND |
| phenol                          | 1      |       |                 |       |            | ND  | ND | ND  | ND | ND  | ND | ND  | ND | ND  | ND |
| 4,4'-DDD                        | 2      |       |                 |       |            | ND  | ND | ND  | ND | ND  | ND | ND  | ND | ND  | ND |
| 4,4'-DDE                        | 10     |       |                 |       |            | ND  | ND | ND  | ND | ND  | ND | ND  | ND | ND  | ND |
| 4,4'-DDT                        | 9      |       |                 |       |            | ND  | ND | ND  | ND | ND  | ND | ND  | ND | ND  | ND |
| alpha chlordane                 | 1      |       |                 |       |            | ND  | ND | ND  | ND | ND  | ND | ND  | ND | ND  | ND |
| beta-BHC                        | 8      |       |                 |       |            | ND  | ND | ND  | ND | ND  | ND | ND  | ND | ND  | ND |
| dieldrin                        | 3      |       |                 |       |            | ND  | ND | ND  | ND | ND  | ND | ND  | ND | ND  | ND |
| endosulfan II                   | 1      |       |                 |       |            | ND  | ND | ND  | ND | ND  | ND | ND  | ND | ND  | ND |
| endosulfan sulfate              | 1      |       |                 |       |            | ND  | ND | ND  | ND | ND  | ND | ND  | ND | ND  | ND |
| endrin                          | 1      |       |                 |       |            | ND  | ND | ND  | ND | ND  | ND | ND  | ND | ND  | ND |
| endrin aldehyde                 | 2      |       |                 |       |            | ND  | ND | ND  | ND | ND  | ND | ND  | ND | ND  | ND |
| endrin ketone                   | 1      |       |                 |       |            | ND  | ND | ND  | ND | ND  | ND | ND  | ND | ND  | ND |
| gamma-chlordane                 | 1      |       |                 |       |            | ND  | ND | ND  | ND | ND  | ND | ND  | ND | ND  | ND |
| heptachlor epoxide              | 2      |       |                 |       |            | ND  | ND | ND  | ND | ND  | ND | ND  | ND | ND  | ND |
| methoxychlor                    | 2      |       |                 |       |            | ND  | ND | ND  | ND | ND  | ND | ND  | ND | ND  | ND |
| dioxins (TEQ)                   | 29     |       |                 |       |            | 12  | 25 | ND  | ND | ND  | 8  | ND  | ND | 9   | 4  |
| # Organics Detected in Sample:  |        |       |                 |       |            | 1   | 1  | 0   | 0  | 1   | 1  | 0   | 0  | 4   | 3  |
| # Highest (#1) Ranks in Sample: |        |       |                 |       |            | 0   | 0  | 0   | 0  | 0   | 0  | 0   | 0  | 2   | 1  |
| # Top 3 (10%) Ranks in Sample:  |        |       |                 |       |            | 0   | 0  | 0   | 1  | 0   | 0  | 0   | 0  | 3   | 1  |

TABLE D-7  
Ranks Assigned to Detected Values by Chemical and Sample

| Exposure area                    | SEA    |        | SEA  |        | SEA    |      | SEA    |      | SEA    |        | SEA  |        | SEA  |        |
|----------------------------------|--------|--------|------|--------|--------|------|--------|------|--------|--------|------|--------|------|--------|
|                                  | P      | M      | P    | M      | P      | M    | P      | M    | P      | M      | P    | M      | P    | M      |
| LCODE                            | P      | M      | P    | M      | P      | M    | P      | M    | P      | M      | P    | M      | P    | M      |
| DCODE                            | B      | M      | T    | M      | B      | T    | M      | B    | T      | M      | B    | T      | M    | B      |
| Boring location                  | P-4    | P-4    | P-5  | P-5    | P-5    | P-5  | P-6    | P-6  | P-6    | P-6    | P-6  | P-6    | P-7  | P-7    |
| Depth                            | 10-12' | 20-22' | 0-1' | 10-12' | 16-18' | 0-1' | 10-12' | 0-1' | 18-21' | 10-12' | 0-1' | 18-21' | 0-1' | 10-12' |
| <b>Inorganics:</b>               |        |        |      |        |        |      |        |      |        |        |      |        |      |        |
| aluminum                         | 31     | 48     | 16   | 33     | 67     | 16   | 52     | 7    | 69     | 7      | 35   |        |      |        |
| antimony                         | 1      | ND     | ND   | ND     | ND     | ND   | ND     | ND   | ND     | ND     | ND   | ND     | ND   | ND     |
| arsenic                          | 70     | 18     | 67   | 26     | 10     | 61   | 41     | 28   | 23     | 34     |      |        |      |        |
| barium                           | 70     | 63     | 17   | 51     | 15     | 8    | 24     | 46   | 21     | 44     |      |        |      |        |
| beryllium                        | 70     | 23     | 40   | 35     | 47     | 62   | 19     | 66   | 5      | 51     |      |        |      |        |
| cadmium                          | 70     | 16     | 60   | 26     | 50     | 16   | 55     | 68   | 37     | 57     |      |        |      |        |
| chromium                         | 70     | 25     | 16   | 42     | 11     | 59   | 5      | 27   | 15     | 34     |      |        |      |        |
| cobalt                           | 70     | 44     | 47   | 8      | 51     | 16   | 29     | 67   | 21     | 48     |      |        |      |        |
| copper                           | 70     | 6      | 33   | 37     | 49     | 34   | 46     | 69   | 24     | 44     |      |        |      |        |
| iron                             | 70     | 33     | 40   | 6      | 45     | 63   | 44     | 69   | 22     | 28     |      |        |      |        |
| lead                             | 70     | 9      | 40   | 13     | 54     | 25   | 27     | 68   | 47     | 21     |      |        |      |        |
| magnesium                        | 70     | 43     | 48   | 30     | 11     | 28   | 19     | 61   | 65     | 39     |      |        |      |        |
| manganese                        | 70     | 37     | 54   | 6      | 55     | 34   | 29     | 63   | 33     | 40     |      |        |      |        |
| mercury                          | 44     | 21     | ND   | 19     | 4      | 1    | ND     | ND   | 29     | ND     |      |        |      |        |
| molybdenum                       | 70     | 20     | 8    | 54     | 47     | 11   | 44     | 39   | 38     | 27     |      |        |      |        |
| nickel                           | 70     | 33     | 38   | 19     | 10     | 47   | 60     | 66   | 16     | 60     |      |        |      |        |
| selenium                         | 70     | 38     | 21   | 30     | 40     | 43   | 54     | 1    | 60     | 14     |      |        |      |        |
| silver                           | 70     | 11     | 46   | 21     | 27     | 64   | 27     | 66   | 50     | 56     |      |        |      |        |
| thallium                         | 70     | 6      | 48   | 32     | 66     | 63   | 34     | 37   | 34     | 58     |      |        |      |        |
| thorium                          | 70     | 5      | 30   | 26     | 62     | 56   | 12     | 60   | 31     | 65     |      |        |      |        |
| titanium                         | 70     | 22     | 61   | 3      | 10     | 47   | 23     | 68   | 41     | 46     |      |        |      |        |
| vanadium                         | 70     | 11     | 21   | 30     | 31     | 38   | 14     | 25   | 67     | 41     |      |        |      |        |
| zinc                             | 70     | 21     | 56   | 16     | 54     | 68   | 15     | 42   | 70     | 23     |      |        |      |        |
| perchlorate                      | 68     | 17     | 34   | 22     | 42     | 50   | 2      | 48   | 49     | 6      |      |        |      |        |
| # Inorganics Detected in Sample: | 23     | 0      | 23   | 23     | 23     | 22   | 22     | 22   | 22     | 23     |      |        |      |        |
| # Highest (#1) Ranks in Sample:  | 0      | 0      | 0    | 0      | 1      | 0    | 1      | 0    | 0      | 0      |      |        |      |        |
| # Top 3 (10%) Ranks in Sample:   | 0      | 0      | 1    | 0      | 1      | 1    | 2      | 0    | 0      | 1      |      |        |      |        |

**TABLE D-7**  
**Ranks Assigned to Detected Values by Chemical and Sample**

| Exposure area                                | SEA |   | SEA |   | SEA |   | SEA |   | SEA |   | SEA |   | SEA |   | SEA |   |
|----------------------------------------------|-----|---|-----|---|-----|---|-----|---|-----|---|-----|---|-----|---|-----|---|
|                                              | P   | M | P   | B | P   | M | P   | B | P   | M | P   | B | P   | M | P   | B |
| <b>Radionuclides:</b>                        |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |
| actinium 228                                 | 21  |   | 48  |   | 14  |   | 37  |   | 13  |   | 40  |   | 41  |   | 54  |   |
| bismuth 212                                  | ND  |   | ND  |   | ND  |   | ND  |   | ND  |   | ND  |   | ND  |   | ND  |   |
| bismuth 214                                  | 14  |   | 14  |   | 35  |   | 18  |   | 21  |   | 30  |   | 32  |   | 24  |   |
| lead 210                                     | ND  |   | ND  |   | ND  |   | ND  |   | ND  |   | ND  |   | ND  |   | ND  |   |
| lead 212                                     | 2   |   | 26  |   | 16  |   | 26  |   | 26  |   | 13  |   | 21  |   | 39  |   |
| lead 214                                     | 16  |   | 14  |   | 54  |   | 27  |   | 18  |   | 64  |   | 18  |   | 30  |   |
| potassium 40                                 | 39  |   | 13  |   | 23  |   | 25  |   | 1   |   | 30  |   | 5   |   | 35  |   |
| radium 224                                   | 14  |   | 44  |   | ND  |   | 25  |   | 31  |   | 54  |   | 38  |   | 31  |   |
| radium 226                                   | 43  |   | ND  |   | ND  |   | ND  |   | 44  |   | 28  |   | 22  |   | 10  |   |
| radium 228                                   | 39  |   | 22  |   | 43  |   | 61  |   | 52  |   | 50  |   | 35  |   | 59  |   |
| thallium 208                                 | 46  |   | 46  |   | 20  |   | 29  |   | 2   |   | 34  |   | 5   |   | 29  |   |
| thorium 228                                  | 22  |   | 17  |   | 14  |   | 25  |   | 35  |   | 57  |   | 46  |   | 55  |   |
| thorium 230                                  | 49  |   | 11  |   | 48  |   | 14  |   | 8   |   | 65  |   | 21  |   | 45  |   |
| thorium 232                                  | 6   |   | 7   |   | 16  |   | 48  |   | 41  |   | 50  |   | 60  |   | 19  |   |
| thorium 234                                  | ND  |   | 14  |   | ND  |   | ND  |   | ND  |   | ND  |   | ND  |   | ND  |   |
| uranium 234                                  | 68  |   | 9   |   | 65  |   | 45  |   | 24  |   | 54  |   | 57  |   | 28  |   |
| uranium 235                                  | ND  |   | ND  |   | ND  |   | ND  |   | ND  |   | ND  |   | ND  |   | ND  |   |
| uranium 238                                  | 68  |   | 7   |   | 59  |   | 62  |   | 19  |   | 40  |   | 39  |   | 28  |   |
| <b># Radionuclides Detected in Sample:</b>   | 14  |   | 14  |   | 12  |   | 13  |   | 14  |   | 15  |   | 14  |   | 14  |   |
| <b># Highest (#1) Ranks in Sample:</b>       | 0   |   | 0   |   | 0   |   | 0   |   | 1   |   | 0   |   | 0   |   | 0   |   |
| <b># Top 2 (10%) Ranks in Sample:</b>        | 1   |   | 0   |   | 0   |   | 0   |   | 2   |   | 0   |   | 0   |   | 0   |   |
| <b>Totals for All Chemicals:</b>             |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |
| <b># of 67 Chemicals Detected in Sample:</b> | 38  |   | 37  |   | 35  |   | 36  |   | 38  |   | 37  |   | 36  |   | 41  |   |
| <b># Highest (#1) Ranks in Sample:</b>       | 0   |   | 0   |   | 0   |   | 0   |   | 2   |   | 1   |   | 0   |   | 2   |   |
| <b># of Top 10% Ranks in Sample:</b>         | 1   |   | 0   |   | 1   |   | 0   |   | 4   |   | 2   |   | 0   |   | 4   |   |

**TABLE D-7**  
**Ranks Assigned to Detected Values by Chemical and Sample**

| Exposure area                   | SEA |   | SEA |   | SEA |   | SEA |   | SEA |    | SEA |    | SEA |    |
|---------------------------------|-----|---|-----|---|-----|---|-----|---|-----|----|-----|----|-----|----|
|                                 | P   | B | P   | T | P   | B | P   | T | P   | M  | P   | O  | O   | O  |
| LCODE                           | SEA |   | SEA |   | SEA |   | SEA |   | SEA |    | SEA |    | SEA |    |
| DPCODE                          | P   | B | P   | T | P   | B | P   | T | P   | M  | P   | O  | O   | O  |
| Boring location                 | SEA |   | SEA |   | SEA |   | SEA |   | SEA |    | SEA |    | SEA |    |
| Depth                           | P   | B | P   | T | P   | B | P   | T | P   | M  | P   | O  | O   | O  |
| <b>Organics:</b>                |     |   |     |   |     |   |     |   |     |    |     |    |     |    |
| acetone                         | 8   |   | ND  |   | 7   |   |     |   |     | 3  |     | ND |     | ND |
| chloroform                      | ND  |   | ND  |   | ND  |   |     |   |     | ND |     | ND |     | ND |
| ethylbenzene                    | ND  |   | ND  |   | ND  |   |     |   |     | ND |     | ND |     | ND |
| methylene chloride              | 5   |   | ND  |   | ND  |   |     |   |     | ND |     | ND |     | 2  |
| tetrachlorethene                | 2   |   | ND  |   | ND  |   |     |   |     | ND |     | ND |     | ND |
| toluene                         | 2   |   | ND  |   | ND  |   |     |   |     | ND |     | ND |     | ND |
| xylenes                         | 1   |   | ND  |   | ND  |   |     |   |     | ND |     | ND |     | ND |
| butyl benzyl phthalate          | 1   |   | ND  |   | ND  |   |     |   |     | ND |     | ND |     | ND |
| di-n-butyl phthalate            | 1   |   | ND  |   | ND  |   |     |   |     | ND |     | ND |     | ND |
| phenol                          | 1   |   | ND  |   | ND  |   |     |   |     | ND |     | ND |     | ND |
| 4,4'-DDD                        | 2   |   | ND  |   | ND  |   |     |   |     | ND |     | ND |     | ND |
| 4,4'-DDE                        | 10  |   | ND  |   | ND  |   |     |   |     | ND |     | 8  |     | ND |
| 4,4'-DDT                        | 9   |   | ND  |   | ND  |   |     |   |     | ND |     | ND |     | ND |
| alpha chlordane                 | 1   |   | ND  |   | ND  |   |     |   |     | ND |     | ND |     | ND |
| beta-BHC                        | 8   |   | ND  |   | ND  |   |     |   |     | ND |     | 8  |     | ND |
| dieldrin                        | 3   |   | ND  |   | ND  |   |     |   |     | ND |     | 3  |     | ND |
| endosulfan II                   | 1   |   | ND  |   | ND  |   |     |   |     | ND |     | ND |     | ND |
| endosulfan sulfate              | 1   |   | ND  |   | ND  |   |     |   |     | ND |     | ND |     | ND |
| endrin                          | 1   |   | ND  |   | ND  |   |     |   |     | ND |     | ND |     | ND |
| endrin aldehyde                 | 2   |   | ND  |   | ND  |   |     |   |     | ND |     | ND |     | ND |
| endrin ketone                   | 1   |   | ND  |   | ND  |   |     |   |     | ND |     | ND |     | ND |
| gamma-chlordane                 | 1   |   | ND  |   | ND  |   |     |   |     | ND |     | ND |     | ND |
| heptachlor epoxide              | 2   |   | ND  |   | ND  |   |     |   |     | ND |     | ND |     | ND |
| methoxychlor                    | 2   |   | ND  |   | ND  |   |     |   |     | ND |     | ND |     | ND |
| dioxins (TEQ)                   | 29  |   | 22  |   | ND  |   |     |   |     | ND |     | 7  |     | ND |
| # Organics Detected in Sample:  | 3   |   | 0   |   | 0   |   |     |   |     | 1  |     | 1  |     | 4  |
| # Highest (#1) Ranks in Sample: | 0   |   | 0   |   | 0   |   |     |   |     | 0  |     | 0  |     | 0  |
| # Top 3 (10%) Ranks in Sample:  | 1   |   | 0   |   | 0   |   |     |   |     | 0  |     | 1  |     | 1  |

TABLE D-7  
Ranks Assigned to Detected Values by Chemical and Sample

| Exposure area                    | Ranks Assigned to Detected Values by Chemical and Sample |      |        |        |      |        |      |      |      |        |        |     |
|----------------------------------|----------------------------------------------------------|------|--------|--------|------|--------|------|------|------|--------|--------|-----|
|                                  | SEA                                                      | SEA  | SEA    | SEA    | SEA  | SEA    | SEA  | SEA  | SEA  | SEA    | SEA    | SEA |
| LCODE                            | P                                                        | P    | P      | P      | P    | P      | P    | P    | P    | P      | P      | P   |
| DPCODE                           | B                                                        | T    | M      | B      | T    | M      | B    | T    | M    | B      | T      | M   |
| Boring location                  | P-7                                                      | P-8  | P-8    | P-8    | P-8  | P-8    | P-8  | P-8  | P-8  | P-8    | P-8    | P-8 |
| Depth                            | 18-20'                                                   | 0-1' | 10-12' | 16-18' | 0-1' | 16-18' | 0-1' | 6-8' | 0-1' | 10-12' | 16-17' |     |
| <b>Inorganics:</b>               |                                                          |      |        |        |      |        |      |      |      |        |        |     |
| aluminum                         | 63                                                       | 20   | 46     | 68     | 12   | 12     | 12   | 62   | 12   | 11     | 50     |     |
| antimony                         | ND                                                       | ND   | ND     | ND     | ND   | ND     | ND   | ND   | ND   | ND     | ND     |     |
| arsenic                          | 4                                                        | 44   | 36     | 5      | 32   | 13     | 60   | 58   | 41   | 58     | 41     |     |
| barium                           | 69                                                       | 35   | 56     | 6      | 37   | 12     | 39   | 19   | 7    | 19     | 7      |     |
| beryllium                        | 70                                                       | 19   | 30     | 53     | 67   | 3      | 58   | 25   | 25   | 25     | 55     |     |
| cadmium                          | 70                                                       | 45   | 45     | 69     | 8    | 8      | 10   | 26   | 69   | 26     | 69     |     |
| chromium                         | 70                                                       | 4    | 57     | 29     | 40   | 54     | 35   | 56   | 45   | 35     | 45     |     |
| cobalt                           | 70                                                       | 54   | 33     | 66     | 35   | 56     | 39   | 9    | 60   | 39     | 60     |     |
| copper                           | 70                                                       | 65   | 18     | 66     | 46   | 61     | 8    | 17   | 60   | 17     | 60     |     |
| iron                             | 70                                                       | 68   | 3      | 21     | 64   | 66     | 19   | 4    | 37   | 19     | 4      |     |
| lead                             | 70                                                       | 69   | 11     | 58     | 29   | 62     | 3    | 40   | 64   | 3      | 40     |     |
| magnesium                        | 70                                                       | 2    | 41     | 57     | 66   | 22     | 28   | 33   | 19   | 22     | 43     |     |
| manganese                        | 70                                                       | 67   | 3      | 65     | 11   | 45     | 27   | 16   | 59   | 11     | 16     |     |
| mercury                          | 44                                                       | 32   | ND     | 6      | 14   | ND     | 39   | ND   | ND   | ND     | ND     |     |
| molybdenum                       | 70                                                       | 14   | 14     | 30     | 61   | 4      | 63   | 52   | 65   | 4      | 52     |     |
| nickel                           | 70                                                       | 13   | 35     | 65     | 45   | 51     | 35   | 15   | 55   | 35     | 55     |     |
| selenium                         | 70                                                       | 6    | 12     | 60     | 23   | 5      | 18   | 23   | 67   | 5      | 23     |     |
| silver                           | 70                                                       | 26   | 27     | 69     | 37   | 60     | 37   | 22   | 70   | 37     | 22     |     |
| thallium                         | 70                                                       | 6    | 28     | 47     | 8    | 62     | 19   | 58   | 68   | 8      | 58     |     |
| thorium                          | 70                                                       | 61   | 22     | 66     | 27   | 70     | 24   | 37   | 48   | 27     | 37     |     |
| titanium                         | 70                                                       | 64   | 7      | 69     | 50   | 63     | 8    | 5    | 59   | 50     | 59     |     |
| vanadium                         | 70                                                       | 3    | 27     | 66     | 50   | 58     | 57   | 20   | 64   | 57     | 20     |     |
| zinc                             | 70                                                       | 66   | 17     | 67     | 25   | 65     | 5    | 24   | 32   | 25     | 32     |     |
| perchlorate                      | 68                                                       | 31   | 4      | 27     | 37   | 7      | 62   | 59   | 63   | 7      | 62     |     |
| # Inorganics Detected in Sample: | 23                                                       | 22   | 22     | 23     | 23   | 22     | 22   | 22   | 22   | 22     | 22     |     |
| # Highest (#1) Ranks in Sample:  | 0                                                        | 0    | 0      | 0      | 0    | 0      | 0    | 0    | 0    | 0      | 0      |     |
| # Top 3 (10%) Ranks in Sample:   | 2                                                        | 3    | 0      | 0      | 1    | 0      | 1    | 0    | 0    | 1      | 0      |     |

TABLE D-7  
Ranks Assigned to Detected Values by Chemical and Sample

| Exposure area                         | Ranks Assigned to Detected Values by Chemical and Sample |      |        |        |        |      |      |      |      |      |        |        |
|---------------------------------------|----------------------------------------------------------|------|--------|--------|--------|------|------|------|------|------|--------|--------|
|                                       | SEA                                                      | SEA  | SEA    | SEA    | SEA    | SEA  | SEA  | SEA  | SEA  | SEA  | SEA    | SEA    |
| LCODE                                 | P                                                        | T    | P      | M      | B      | T    | P    | M    | P    | T    | O      | O      |
| DPCODE                                | B                                                        | T    | M      | M      | B      | T    | B    | M    | M    | T    | T      | M      |
| Boring location                       | P-7                                                      | P-8  | P-8    | P-8    | P-8    | P-8  | P-8  | P-9  | P-9  | S-1  | S-1    | S-1    |
| Depth                                 | 18-20'                                                   | 0-1' | 10-12' | 16-18' | 16-18' | 0-1' | 0-1' | 6-8' | 0-1' | 0-1' | 10-12' | 16-17' |
| <b>Radionuclides:</b>                 |                                                          |      |        |        |        |      |      |      |      |      |        |        |
| # Detects:                            |                                                          |      |        |        |        |      |      |      |      |      |        |        |
| actinium 228                          | ND                                                       | 58   | 18     | 28     | ND     | 41   | 57   | ND   | 24   | 36   | ND     | ND     |
| bismuth 212                           | ND                                                       | ND   | ND     | ND     | ND     | ND   | ND   | ND   | ND   | ND   | ND     | ND     |
| bismuth 214                           | 3                                                        | 59   | 13     | 4      | 4      | 54   | 12   | 47   | 48   | 11   | ND     | ND     |
| lead 210                              | 4                                                        | ND   | ND     | ND     | ND     | ND   | ND   | ND   | ND   | ND   | ND     | ND     |
| lead 212                              | 66                                                       | 8    | 6      | 64     | 6      | 33   | 24   | 18   | 10   | 60   | 60     | 60     |
| lead 214                              | 70                                                       | 3    | 51     | 4      | 4      | 61   | 11   | 63   | 30   | 12   | 12     | 12     |
| potassium 40                          | 70                                                       | 67   | 61     | 11     | 7      | 10   | 68   | 15   | 33   | 51   | 51     | 51     |
| radium 224                            | 57                                                       | 7    | 41     | 9      | 34     | 2    | ND   | 34   | ND   | 14   | 14     | 14     |
| radium 226                            | 50                                                       | 6    | ND     | 50     | 5      | 5    | 1    | 16   | 32   | 21   | 21     | 21     |
| radium 228                            | 70                                                       | 60   | 57     | 58     | 68     | 48   | 70   | 38   | 19   | 69   | 69     | 69     |
| thallium 208                          | 69                                                       | 69   | 42     | 34     | 34     | 25   | 46   | 20   | 8    | 68   | 68     | 68     |
| thorium 228                           | 70                                                       | 61   | 46     | 53     | 64     | 8    | 52   | 19   | 6    | 70   | 70     | 70     |
| thorium 230                           | 70                                                       | 6    | 46     | 35     | 3      | 44   | 12   | 30   | 36   | 30   | 30     | 30     |
| thorium 232                           | 70                                                       | 69   | 66     | 46     | 61     | 17   | 53   | 31   | 8    | 67   | 67     | 67     |
| thorium 234                           | 20                                                       | ND   | 13     | 9      | 2      | ND   | ND   | 17   | 7    | ND   | ND     | ND     |
| uranium 234                           | 70                                                       | 3    | 29     | 16     | 4      | 54   | 31   | 59   | 46   | 59   | 59     | 59     |
| uranium 235                           | 34                                                       | 7    | ND     | 15     | ND     | ND   | 34   | 20   | 26   | ND   | ND     | ND     |
| uranium 238                           | 70                                                       | 2    | 24     | 6      | 5      | 32   | 51   | 36   | 47   | 64   | 64     | 64     |
| # Radionuclides Detected in Sample:   | 14                                                       | 14   | 14     | 15     | 16     | 14   | 14   | 16   | 15   | 13   | 13     | 13     |
| # Highest (#1) Ranks in Sample:       | 0                                                        | 0    | 0      | 0      | 0      | 0    | 1    | 0    | 0    | 0    | 0      | 0      |
| # Top 2 (10%) Ranks in Sample:        | 1                                                        | 0    | 0      | 1      | 1      | 1    | 1    | 0    | 0    | 0    | 0      | 0      |
| Totals for All Chemicals:             |                                                          |      |        |        |        |      |      |      |      |      |        |        |
| # of 67 Chemicals Detected in Sample: | 40                                                       | 36   | 37     | 39     | 38     | 38   | 37   | 43   | 37   | 36   | 36     | 36     |
| # Highest (#1) Ranks in Sample:       | 0                                                        | 0    | 0      | 0      | 0      | 0    | 1    | 0    | 0    | 0    | 0      | 0      |
| # of Top 10% Ranks in Sample:         | 4                                                        | 3    | 0      | 1      | 2      | 2    | 2    | 2    | 0    | 1    | 1      | 1      |



**TABLE D-8.1**  
**Summary of Ground Water Analytical Data**  
**Volatile Organic Chemicals**

| Parameter                 | Units | B2-14       | B2-8 | DUP 6 (PC-56) | PC-2        | PC-4        | PC-56       | PC-58       |
|---------------------------|-------|-------------|------|---------------|-------------|-------------|-------------|-------------|
| 1,1,1-Trichloroethane     | µg/L  | ND (0.44) U |      | ND (0.44) U   | ND (0.44) U | ND (0.44) U | ND (0.44) U | ND (0.44) U |
| 1,1,2,2-Tetrachloroethane | µg/L  | ND (0.44) U |      | ND (0.44) U   | ND (0.44) U | ND (0.44) U | ND (0.44) U | ND (0.44) U |
| 1,1,2-Trichloroethane     | µg/L  | ND (0.43) U |      | ND (0.43) U   | ND (0.43) U | ND (0.43) U | ND (0.43) U | ND (0.43) U |
| 1,1-Dichloroethane        | µg/L  | ND (0.38) U |      | ND (0.38) U   | ND (0.38) U | ND (0.38) U | ND (0.38) U | ND (0.38) U |
| 1,1-Dichloroethene        | µg/L  | 9610        | 9740 | 12600         | 9840        | 10100       | 12200       | 10600       |
| 1,2-Dichloroethane        | µg/L  | ND (0.43) U |      | ND (0.43) U   | ND (0.43) U | ND (0.43) U | ND (0.43) U | ND (0.43) U |
| 1,2-Dichloropropane       | µg/L  | ND (0.21) U |      | ND (0.21) U   | ND (0.21) U | ND (0.21) U | ND (0.21) U | ND (0.21) U |
| 2-Butanone                | µg/L  | ND (6.6) U  |      | ND (6.6) U    | ND (6.6) U  | ND (6.6) U  | ND (6.6) U  | ND (6.6) U  |
| 2-Hexanone                | µg/L  | ND (1.7) U  |      | ND (1.7) U    | ND (1.7) U  | ND (1.7) U  | ND (1.7) U  | ND (1.7) U  |
| 4-Methyl-2-pentanone      | µg/L  | ND (1.3) U  |      | ND (1.3) U    | ND (1.3) U  | ND (1.3) U  | ND (1.3) U  | ND (1.3) U  |
| Acetone                   | µg/L  | 2.8 J       |      | ND (2.6) U    | 3.0 J       | ND (2.6) U  | ND (2.6) U  | 2.7 J       |
| Benzene                   | µg/L  | ND (0.37) U |      | ND (0.37) U   | ND (0.37) U | ND (0.37) U | ND (0.37) U | ND (0.37) U |
| Bromodichloromethane      | µg/L  | ND (0.45) U |      | ND (0.45) U   | ND (0.45) U | ND (0.45) U | ND (0.45) U | ND (0.45) U |
| Bromoform                 | µg/L  | ND (0.62) U |      | ND (0.62) U   | ND (0.62) U | ND (0.62) U | ND (0.62) U | ND (0.62) U |
| Bromomethane              | µg/L  | ND (0.60) U |      | ND (0.60) U   | ND (0.60) U | ND (0.60) U | ND (0.60) U | ND (0.60) U |
| Carbon disulfide          | µg/L  | ND (0.46) U |      | ND (0.46) U   | ND (0.46) U | ND (0.46) U | ND (0.46) U | ND (0.46) U |
| Carbon tetrachloride      | µg/L  | ND (0.65) U |      | ND (0.65) U   | ND (0.65) U | 1.6 J       | ND (0.65) U | 1.1 J       |
| Chlorobenzene             | µg/L  | ND (0.34) U |      | ND (0.34) U   | ND (0.34) U | ND (0.34) U | ND (0.34) U | ND (0.34) U |
| Chloroethane              | µg/L  | ND (2.2) U  |      | ND (2.2) U    | ND (2.2) U  | ND (2.2) U  | ND (2.2) U  | ND (2.2) U  |
| Chloroform                | µg/L  | 93          |      | ND (0.24) U   | 19          | 150         | ND (0.24) U | 130         |
| Chloromethane             | µg/L  | ND (0.77) U |      | ND (0.77) U   | ND (0.77) U | ND (0.77) U | ND (0.77) U | ND (0.77) U |
| cis-1,2-Dichloroethene    | µg/L  | ND (0.50) U |      | ND (0.50) U   | ND (0.50) U | ND (0.50) U | ND (0.50) U | ND (0.50) U |
| cis-1,3-Dichloropropene   | µg/L  | ND (0.52) U |      | ND (0.52) U   | ND (0.52) U | ND (0.52) U | ND (0.52) U | ND (0.52) U |
| Dibromochloromethane      | µg/L  | ND (0.38) U |      | ND (0.38) U   | ND (0.38) U | ND (0.38) U | ND (0.38) U | ND (0.38) U |
| Ethylbenzene              | µg/L  | ND (0.89) U |      | ND (0.89) U   | ND (0.89) U | ND (0.89) U | ND (0.89) U | ND (0.89) U |
| Methylene chloride        | µg/L  | ND (0.53) U |      | ND (0.53) U   | ND (0.53) U | ND (0.53) U | ND (0.53) U | ND (0.53) U |
| Styrene                   | µg/L  | ND (0.37) U |      | ND (0.37) U   | ND (0.37) U | ND (0.37) U | ND (0.37) U | ND (0.37) U |
| Tetrachloroethene         | µg/L  | 3.3 J       |      | ND (0.36) U   | ND (0.36) U | ND (0.36) U | ND (0.36) U | 1.0 J       |
| Toluene                   | µg/L  | 0.72 J      |      | ND (0.54) U   | ND (0.54) U | ND (0.54) U | ND (0.54) U | ND (0.54) U |
| trans-1,2-Dichloroethene  | µg/L  | ND (0.44) U |      | ND (0.44) U   | ND (0.44) U | ND (0.44) U | ND (0.44) U | ND (0.44) U |
| trans-1,3-Dichloropropene | µg/L  | ND (0.31) U |      | ND (0.31) U   | ND (0.31) U | ND (0.31) U | ND (0.31) U | ND (0.31) U |
| Trichloroethene           | µg/L  | ND (0.31) U |      | ND (0.31) U   | ND (0.31) U | ND (0.31) U | ND (0.31) U | ND (0.31) U |
| Trichlorofluoromethane    | µg/L  | ND (0.70) U |      | ND (0.70) U   | ND (0.70) U | ND (0.70) U | ND (0.70) U | ND (0.70) U |

**TABLE D-8.1**  
**Summary of Ground Water Analytical Data**  
**Volatile Organic Chemicals**

| Parameter       | Units | B2-14       | B2-8 | DUP 6 (PC-56) | PC-2        | PC-4        | PC-56       | PC-58       |
|-----------------|-------|-------------|------|---------------|-------------|-------------|-------------|-------------|
| Vinyl acetate   | µg/L  | ND (0.56) U |      | ND (0.56) U   | ND (0.56) U | ND (0.56) U | ND (0.56) U | ND (0.56) U |
| Vinyl chloride  | µg/L  | ND (0.79) U |      | ND (0.79) U   | ND (0.79) U | ND (0.79) U | ND (0.79) U | ND (0.79) U |
| Xylenes (total) | µg/L  | ND (1.1) U  |      | ND (1.1) U    | ND (1.1) U  | ND (1.1) U  | ND (1.1) U  | ND (1.1) U  |

TABLE D-8.2

**Summary of Ground Water Analytical Data**  
**Semivolatile Organic Chemicals**

| Parameter                    | Units | B2-14       | B2-8        | DUP 6 (PC-56) | PC-2        | PC-4        | PC-56       | PC-58       |
|------------------------------|-------|-------------|-------------|---------------|-------------|-------------|-------------|-------------|
| 1,2,4-Trichlorobenzene       | µg/L  | ND (0.97) U | ND (0.97) U | ND (0.97) U   | ND (0.97) U | ND (0.97) U | ND (0.97) U | ND (0.97) U |
| 1,2-Dichlorobenzene          | µg/L  | ND (0.89) U | ND (0.89) U | ND (0.89) U   | ND (0.89) U | ND (0.89) U | ND (0.89) U | ND (0.89) U |
| 1,3-Dichlorobenzene          | µg/L  | ND (0.90) U | ND (0.90) U | ND (0.90) U   | ND (0.90) U | ND (0.90) U | ND (0.90) U | ND (0.90) U |
| 1,4-Dichlorobenzene          | µg/L  | ND (0.93) U | ND (0.93) U | ND (0.93) U   | ND (0.93) U | ND (0.93) U | ND (0.93) U | ND (0.93) U |
| 2,2'-oxybis(1-Chloropropane) | µg/L  | 9610        | 9740        | 12600         | 9840        | 10100       | 12200       | 10600       |
| 2,4,5-Trichlorophenol        | µg/L  | ND (0.78) U | ND (0.78) U | ND (0.78) U   | ND (0.78) U | ND (0.78) U | ND (0.78) U | ND (0.78) U |
| 2,4,6-Trichlorophenol        | µg/L  | ND (0.66) U | ND (0.66) U | ND (0.66) U   | ND (0.66) U | ND (0.66) U | ND (0.66) U | ND (0.66) U |
| 2,4-Dichlorophenol           | µg/L  | ND (1.0) U  | ND (1.0) U  | ND (1.0) U    | ND (1.0) U  | ND (1.0) U  | ND (1.0) U  | ND (1.0) U  |
| 2,4-Dimethylphenol           | µg/L  | ND (0.97) U | ND (0.97) U | ND (0.97) U   | ND (0.97) U | ND (0.97) U | ND (0.97) U | ND (0.97) U |
| 2,4-Dinitrophenol            | µg/L  | ND (0.97) U | ND (0.97) U | ND (0.97) U   | ND (0.97) U | ND (0.97) U | ND (0.97) U | ND (0.97) U |
| 2,4-Dinitrotoluene           | µg/L  | ND (0.68) U | ND (0.68) U | ND (0.68) U   | ND (0.68) U | ND (0.68) U | ND (0.68) U | ND (0.68) U |
| 2,6-Dinitrotoluene           | µg/L  | ND (0.71) U | ND (0.71) U | ND (0.71) U   | ND (0.71) U | ND (0.71) U | ND (0.71) U | ND (0.71) U |
| 2-Chloronaphthalene          | µg/L  | ND (0.98) U | ND (0.98) U | ND (0.98) U   | ND (0.98) U | ND (0.98) U | ND (0.98) U | ND (0.98) U |
| 2-Chlorophenol               | µg/L  | ND (1.1) U  | ND (1.1) U  | ND (1.1) U    | ND (1.1) U  | ND (1.1) U  | ND (1.1) U  | ND (1.1) U  |
| 2-Methylnaphthalene          | µg/L  | ND (1.0) U  | ND (1.0) U  | ND (1.0) U    | ND (1.0) U  | ND (1.0) U  | ND (1.0) U  | ND (1.0) U  |
| 2-Methylphenol               | µg/L  | ND (1.0) U  | ND (1.0) U  | ND (1.0) U    | ND (1.0) U  | ND (1.0) U  | ND (1.0) U  | ND (1.0) U  |
| 2-Nitroaniline               | µg/L  | ND (0.59) U | ND (0.59) U | ND (0.59) U   | ND (0.59) U | ND (0.59) U | ND (0.59) U | ND (0.59) U |
| 2-Nitrophenol                | µg/L  | ND (1.2) U  | ND (1.2) U  | ND (1.2) U    | ND (1.2) U  | ND (1.2) U  | ND (1.2) U  | ND (1.2) U  |
| 3,3'-Dichlorobenzidine       | µg/L  | ND (0.55) U | ND (0.55) U | ND (0.55) U   | ND (0.55) U | ND (0.55) U | ND (0.55) U | ND (0.55) U |
| 3-Nitroaniline               | µg/L  | ND (0.50) U | ND (0.50) U | ND (0.50) U   | ND (0.50) U | ND (0.50) U | ND (0.50) U | ND (0.50) U |
| 4,6-Dinitro-2-methylphenol   | µg/L  | ND (1.7) U  | ND (1.7) U  | ND (1.7) U    | ND (1.7) U  | ND (1.7) U  | ND (1.7) U  | ND (1.7) U  |
| 4-Bromophenyl phenyl ether   | µg/L  | ND (0.78) U | ND (0.78) U | ND (0.78) U   | ND (0.78) U | ND (0.78) U | ND (0.78) U | ND (0.78) U |
| 4-Chloro-3-methylphenol      | µg/L  | ND (0.84) U | ND (0.84) U | ND (0.84) U   | ND (0.84) U | ND (0.84) U | ND (0.84) U | ND (0.84) U |
| 4-Chloroaniline              | µg/L  | ND (0.88) U | ND (0.88) U | ND (0.88) U   | ND (0.88) U | ND (0.88) U | ND (0.88) U | ND (0.88) U |
| 4-Chlorophenyl phenyl ether  | µg/L  | ND (1.0) U  | ND (1.0) U  | ND (1.0) U    | ND (1.0) U  | ND (1.0) U  | ND (1.0) U  | ND (1.0) U  |
| 4-Methylphenol               | µg/L  | ND (0.77) U | ND (0.77) U | ND (0.77) U   | ND (0.77) U | ND (0.77) U | ND (0.77) U | ND (0.77) U |
| 4-Nitroaniline               | µg/L  | ND (0.87) U | ND (0.87) U | ND (0.87) U   | ND (0.87) U | ND (0.87) U | ND (0.87) U | ND (0.87) U |
| 4-Nitrophenol                | µg/L  | ND (0.48) U | ND (0.48) U | ND (0.48) U   | ND (0.48) U | ND (0.48) U | ND (0.48) U | ND (0.48) U |
| Acenaphthene                 | µg/L  | ND (0.87) U | ND (0.87) U | ND (0.87) U   | ND (0.87) U | ND (0.87) U | ND (0.87) U | ND (0.87) U |
| Acenaphthylene               | µg/L  | ND (0.98) U | ND (0.98) U | ND (0.98) U   | ND (0.98) U | ND (0.98) U | ND (0.98) U | ND (0.98) U |
| Anthracene                   | µg/L  | ND (0.48) U | ND (0.48) U | ND (0.48) U   | ND (0.48) U | ND (0.48) U | ND (0.48) U | ND (0.48) U |
| Benzo(a)anthracene           | µg/L  | ND (0.58) U | ND (0.58) U | ND (0.58) U   | ND (0.58) U | ND (0.58) U | ND (0.58) U | ND (0.58) U |
| Benzo(a)pyrene               | µg/L  | ND (0.60) U | ND (0.60) U | ND (0.60) U   | ND (0.60) U | ND (0.60) U | ND (0.60) U | ND (0.60) U |

**TABLE D-8.2**

**Summary of Ground Water Analytical Data**

**Semivolatile Organic Chemicals**

| Parameter                  | Units | B2-14       | B2-8        | DUP 6 (PC-56) | PC-2        | PC-4        | PC-56       | PC-58       |
|----------------------------|-------|-------------|-------------|---------------|-------------|-------------|-------------|-------------|
| Benzo(b)fluoranthene       | µg/L  | ND (0.88) U | ND (0.88) U | ND (0.88) U   | ND (0.88) U | ND (0.88) U | ND (0.88) U | ND (0.88) U |
| Benzo(g,h,i)perylene       | µg/L  | ND (0.95) U | ND (0.95) U | ND (0.95) U   | ND (0.95) U | ND (0.95) U | ND (0.95) U | ND (0.95) U |
| Benzo(k)fluoranthene       | µg/L  | ND (0.74) U | ND (0.74) U | ND (0.74) U   | ND (0.74) U | ND (0.74) U | ND (0.74) U | ND (0.74) U |
| bis(2-Chloroethoxy)methane |       | ND (1.1) U  | ND (1.1) U  | ND (1.1) U    | ND (1.1) U  | ND (1.1) U  | ND (1.1) U  | ND (1.1) U  |
| bis(2-Chloroethyl) ether   |       | ND (1.1) U  | ND (1.1) U  | ND (1.1) U    | ND (1.1) U  | ND (1.1) U  | ND (1.1) U  | ND (1.1) U  |
| bis(2-Ethylhexyl)phthalate |       | ND (1.3) U  | ND (1.3) U  | ND (1.3) U    | ND (1.3) U  | ND (1.3) U  | 2.7 J       | ND (1.3) U  |
| Butyl benzyl phthalate     |       | ND (0.72) U | ND (0.72) U | ND (0.72) U   | ND (0.72) U | ND (0.72) U | ND (0.72) U | ND (0.72) U |
| Carbazole                  |       | ND (1.9) U  | ND (1.9) U  | ND (1.9) U    | ND (1.9) U  | ND (1.9) U  | ND (1.9) U  | ND (1.9) U  |
| Chrysene                   |       | ND (0.42) U | ND (0.42) U | ND (0.42) U   | ND (0.42) U | ND (0.42) U | ND (0.42) U | ND (0.42) U |
| Dibenzo(a,h)anthracene     |       | ND (1.4) U  | ND (1.4) U  | ND (1.4) U    | ND (1.4) U  | ND (1.4) U  | ND (1.4) U  | ND (1.4) U  |
| Dibenzofuran               |       | ND (0.77) U | ND (0.77) U | ND (0.77) U   | ND (0.77) U | ND (0.77) U | ND (0.77) U | ND (0.77) U |
| Diethyl phthalate          |       | ND (1.5) U  | ND (1.5) U  | ND (1.5) U    | ND (1.5) U  | ND (1.5) U  | ND (1.5) U  | ND (1.5) U  |
| Dimethyl phthalate         |       | ND (3.0) U  | ND (3.0) U  | ND (3.0) U    | ND (3.0) U  | ND (3.0) U  | ND (3.0) U  | ND (3.0) U  |
| Di-n-butyl phthalate       |       | ND (1.3) U  | ND (1.3) U  | ND (1.3) U    | ND (1.3) U  | ND (1.3) U  | ND (1.3) U  | ND (1.3) U  |
| Di-n-octyl phthalate       |       | ND (1.3) U  | ND (1.3) U  | ND (1.3) U    | ND (1.3) U  | ND (1.3) U  | ND (1.3) U  | ND (1.3) U  |
| Fluoranthene               |       | ND (0.60) U | ND (0.60) U | ND (0.60) U   | ND (0.60) U | ND (0.60) U | ND (0.60) U | ND (0.60) U |
| Fluorene                   |       | ND (0.72) U | ND (0.72) U | ND (0.72) U   | ND (0.72) U | ND (0.72) U | ND (0.72) U | ND (0.72) U |
| Hexachlorobenzene          |       | ND (0.58) U | ND (0.58) U | ND (0.58) U   | ND (0.58) U | ND (0.58) U | ND (0.58) U | ND (0.58) U |
| Hexachlorobutadiene        |       | ND (0.91) U | ND (0.91) U | ND (0.91) U   | ND (0.91) U | ND (0.91) U | ND (0.91) U | ND (0.91) U |
| Hexachlorocyclopentadiene  |       | ND (0.91) U | ND (0.91) U | ND (0.91) U   | ND (0.91) U | ND (0.91) U | ND (0.91) U | ND (0.91) U |
| Hexachloroethane           |       | ND (0.86) U | ND (0.86) U | ND (0.86) U   | ND (0.86) U | ND (0.86) U | ND (0.86) U | ND (0.86) U |
| Indeno(1,2,3-cd)pyrene     |       | ND (0.61) U | ND (0.61) U | ND (0.61) U   | ND (0.61) U | ND (0.61) U | ND (0.61) U | ND (0.61) U |
| Isophorone                 |       | ND (0.86) U | ND (0.86) U | ND (0.86) U   | ND (0.86) U | ND (0.86) U | ND (0.86) U | ND (0.86) U |
| Naphthalene                |       | ND (1.1) U  | ND (1.1) U  | ND (1.1) U    | ND (1.1) U  | ND (1.1) U  | ND (1.1) U  | ND (1.1) U  |
| Nitrobenzene               |       | ND (1.0) U  | ND (1.0) U  | ND (1.0) U    | ND (1.0) U  | ND (1.0) U  | ND (1.0) U  | ND (1.0) U  |
| N-Nitrosodi-n-propylamine  |       | ND (0.90) U | ND (0.90) U | ND (0.90) U   | ND (0.90) U | ND (0.90) U | ND (0.90) U | ND (0.90) U |
| N-Nitrosodiphenylamine     |       | ND (0.45) U | ND (0.45) U | ND (0.45) U   | ND (0.45) U | ND (0.45) U | ND (0.45) U | ND (0.45) U |
| Pentachlorophenol          |       | ND (0.87) U | ND (0.87) U | ND (0.87) U   | ND (0.87) U | ND (0.87) U | ND (0.87) U | ND (0.87) U |
| Phenanthrene               |       | ND (0.46) U | ND (0.46) U | ND (0.46) U   | ND (0.46) U | ND (0.46) U | ND (0.46) U | ND (0.46) U |
| Phenol                     |       | ND (0.55) U | ND (0.55) U | ND (0.55) U   | ND (0.55) U | ND (0.55) U | ND (0.55) U | ND (0.55) U |
| Pyrene                     |       | ND (0.71) U | ND (0.71) U | ND (0.71) U   | ND (0.71) U | ND (0.71) U | ND (0.71) U | ND (0.71) U |

**TABLE D-8.3**  
**Summary of Ground Water Analytical Data**  
**Pesticides**

| Parameter          | Units | B2-14        | B2-8         | DUP 6 (PC-56) | PC-2         | PC-4         | PC-56        | PC-58        |
|--------------------|-------|--------------|--------------|---------------|--------------|--------------|--------------|--------------|
| 4,4'-DDD           | µg/L  | ND (0.040) U | ND (0.040) U | ND (0.040) U  | ND (0.040) U | ND (0.040) U | ND (0.040) U | ND (0.040) U |
| 4,4'-DDE           | µg/L  | ND (0.050) U | ND (0.050) U | ND (0.050) U  | ND (0.050) U | ND (0.050) U | ND (0.050) U | ND (0.050) U |
| 4,4'-DDT           | µg/L  | ND (0.050) U | ND (0.050) U | ND (0.050) U  | ND (0.050) U | ND (0.050) U | ND (0.050) U | ND (0.050) U |
| Aldrin             | µg/L  | ND (0.020) U | ND (0.020) U | ND (0.020) U  | ND (0.020) U | ND (0.020) U | ND (0.020) U | ND (0.020) U |
| alpha-BHC          | µg/L  | 9610         | 9740         | 12600         | 9840         | 10100        | 12200        | 10600        |
| alpha-Chlordane    | µg/L  | ND (0.020) U | ND (0.020) U | ND (0.020) U  | ND (0.020) U | ND (0.020) U | ND (0.020) U | ND (0.020) U |
| Azinphos-methyl    | µg/L  | ND (0.073) U | ND (0.073) U | ND (0.073) U  | ND (0.073) U | ND (0.073) U | ND (0.073) U | ND (0.073) U |
| beta-BHC           | µg/L  | ND (0.020) U | ND (0.020) U | 0.096         | ND (0.020) U | ND (0.020) U | 0.1          | ND (0.020) U |
| Bolstar            | µg/L  | ND (0.044) U | ND (0.044) U | ND (0.044) U  | ND (0.044) U | ND (0.044) U | ND (0.044) U | ND (0.044) U |
| Chlorpyrifos       | µg/L  | ND (0.051) U | ND (0.051) U | ND (0.051) U  | ND (0.051) U | ND (0.051) U | ND (0.051) U | ND (0.051) U |
| Coumaphos          | µg/L  | ND (0.074) U | ND (0.074) U | ND (0.074) U  | ND (0.074) U | ND (0.074) U | ND (0.074) U | ND (0.074) U |
| delta-BHC          | µg/L  | ND (0.040) U | ND (0.040) U | ND (0.040) U  | ND (0.040) U | ND (0.040) U | ND (0.040) U | ND (0.040) U |
| Demeton (total)    | µg/L  | ND (0.44) U  | ND (0.44) U  | ND (0.44) U   | ND (0.44) U  | ND (0.44) U  | ND (0.44) U  | ND (0.44) U  |
| Diazinon           | µg/L  | ND (0.061) U | ND (0.061) U | ND (0.061) U  | ND (0.061) U | ND (0.061) U | ND (0.061) U | ND (0.061) U |
| Dichlorvos         | µg/L  | ND (0.17) U  | ND (0.17) U  | ND (0.17) U   | ND (0.17) U  | ND (0.17) U  | ND (0.17) U  | ND (0.17) U  |
| Dieldrin           | µg/L  | ND (0.040) U | ND (0.040) U | ND (0.040) U  | ND (0.040) U | ND (0.040) U | ND (0.040) U | ND (0.040) U |
| Dimethoate         | µg/L  | ND (0.096) U | ND (0.096) U | ND (0.096) U  | ND (0.096) U | ND (0.096) U | ND (0.096) U | ND (0.096) U |
| Disulfoton         | µg/L  | ND (0.20) U  | ND (0.20) U  | ND (0.20) U   | ND (0.20) U  | ND (0.20) U  | ND (0.20) U  | ND (0.20) U  |
| Endosulfan I       | µg/L  | ND (0.020) U | ND (0.020) U | ND (0.020) U  | ND (0.020) U | ND (0.020) U | ND (0.020) U | ND (0.020) U |
| Endosulfan II      | µg/L  | ND (0.030) U | ND (0.030) U | ND (0.030) U  | ND (0.030) U | ND (0.030) U | ND (0.030) U | ND (0.030) U |
| Endosulfan sulfate | µg/L  | ND (0.040) U | ND (0.040) U | ND (0.040) U  | ND (0.040) U | ND (0.040) U | ND (0.040) U | ND (0.040) U |
| Endrin             | µg/L  | ND (0.040) U | ND (0.040) U | ND (0.040) U  | ND (0.040) U | ND (0.040) U | ND (0.040) U | ND (0.040) U |
| Endrin aldehyde    | µg/L  | ND (0.030) U | ND (0.030) U | ND (0.030) U  | ND (0.030) U | ND (0.030) U | ND (0.030) U | ND (0.030) U |
| Endrin ketone      | µg/L  | ND (0.030) U | ND (0.030) U | ND (0.030) U  | ND (0.030) U | ND (0.030) U | ND (0.030) U | ND (0.030) U |
| Ethoprop           | µg/L  | ND (0.12) U  | ND (0.12) U  | ND (0.12) U   | ND (0.12) U  | ND (0.12) U  | ND (0.12) U  | ND (0.12) U  |
| Ethyl parathion    | µg/L  | ND (0.077) U | ND (0.077) U | ND (0.077) U  | ND (0.077) U | ND (0.077) U | ND (0.077) U | ND (0.077) U |
| Famphur            | µg/L  | ND (0.16) U  | ND (0.16) U  | ND (0.16) U   | ND (0.16) U  | ND (0.16) U  | ND (0.16) U  | ND (0.16) U  |
| Fensulfothion      | µg/L  | ND (0.11) U  | ND (0.11) U  | ND (0.11) U   | ND (0.11) U  | ND (0.11) U  | ND (0.11) U  | ND (0.11) U  |
| Fenthion           | µg/L  | ND (0.19) U  | ND (0.19) U  | ND (0.19) U   | ND (0.19) U  | ND (0.19) U  | ND (0.19) U  | ND (0.19) U  |
| gamma-BHC          | µg/L  | ND (0.020) U | ND (0.020) U | ND (0.020) U  | ND (0.020) U | ND (0.020) U | ND (0.020) U | ND (0.020) U |
| gamma-Chlordane    | µg/L  | ND (0.050) U | ND (0.050) U | ND (0.050) U  | ND (0.050) U | ND (0.050) U | ND (0.050) U | ND (0.050) U |
| Heptachlor         | µg/L  | ND (0.020) U | ND (0.020) U | ND (0.020) U  | ND (0.020) U | ND (0.020) U | ND (0.020) U | ND (0.020) U |
| Heptachlor epoxide | µg/L  | ND (0.030) U | ND (0.030) U | ND (0.030) U  | ND (0.030) U | ND (0.030) U | ND (0.030) U | ND (0.030) U |

**TABLE D-8.3**  
**Summary of Ground Water Analytical Data**

| Parameter                      | Units | Pesticides   |              |               |              |              |              |              |
|--------------------------------|-------|--------------|--------------|---------------|--------------|--------------|--------------|--------------|
|                                |       | B2-14        | B2-8         | DUP 6 (PC-56) | PC-2         | PC-4         | PC-56        | PC-58        |
| Malathion                      | µg/L  | ND (0.11) U  | ND (0.11) U  | ND (0.11) U   | ND (0.11) U  | ND (0.11) U  | ND (0.11) U  | ND (0.11) U  |
| Merphos                        | µg/L  | ND (1.0) U   | ND (1.0) U   | ND (1.0) U    | ND (1.0) U   | ND (1.0) U   | ND (1.0) U   | ND (1.0) U   |
| Methoxychlor                   | µg/L  | ND (0.070) U | ND (0.070) U | ND (0.070) U  | ND (0.070) U | ND (0.070) U | ND (0.070) U | ND (0.070) U |
| Methyl parathion               |       | ND (0.078) U | ND (0.078) U | ND (0.078) U  | ND (0.078) U | ND (0.078) U | ND (0.078) U | ND (0.078) U |
| Mevinphos                      |       | ND (0.097) U | ND (0.097) U | ND (0.097) U  | ND (0.097) U | ND (0.097) U | ND (0.097) U | ND (0.097) U |
| Naled                          |       | ND (1.1) U   | ND (1.1) U   | ND (1.1) U    | ND (1.1) U   | ND (1.1) U   | ND (1.1) U   | ND (1.1) U   |
| O,O,O-Triethylphosphorothioate |       | ND (0.41) U  | ND (0.41) U  | ND (0.41) U   | ND (0.41) U  | ND (0.41) U  | ND (0.41) U  | ND (0.41) U  |
| Phorate                        |       | ND (0.078) U | ND (0.078) U | ND (0.078) U  | ND (0.078) U | ND (0.078) U | ND (0.078) U | ND (0.078) U |
| Ronnel                         |       | ND (0.097) U | ND (0.097) U | ND (0.097) U  | ND (0.097) U | ND (0.097) U | ND (0.097) U | ND (0.097) U |
| Sulfotepp                      |       | ND (0.044) U | ND (0.044) U | ND (0.044) U  | ND (0.044) U | ND (0.044) U | ND (0.044) U | ND (0.044) U |
| Tetrachlorvinphos              |       |              |              |               |              |              |              |              |
| Thionazin                      |       | ND (0.068) U | ND (0.068) U | ND (0.068) U  | ND (0.068) U | ND (0.068) U | ND (0.068) U | ND (0.068) U |
| Tokuthion                      |       | ND (0.092) U | ND (0.092) U | ND (0.092) U  | ND (0.092) U | ND (0.092) U | ND (0.092) U | ND (0.092) U |
| Toxaphene                      |       | ND (1.6) U   | ND (1.6) U   | ND (1.6) U    | ND (1.6) U   | ND (1.6) U   | ND (1.6) U   | ND (1.6) U   |
| Trichloronate                  |       | ND (0.075) U | ND (0.075) U | ND (0.075) U  | ND (0.075) U | ND (0.075) U | ND (0.075) U | ND (0.075) U |

**TABLE D-8.4**

**Summary of Ground Water Analytical Data**

**Polychlorinated Biphenyls**

| Parameter    | Units | B2-14       | B2-8        | DUP 6 (PC-56) | PC-2        | PC-4        | PC-56       | PC-58       |
|--------------|-------|-------------|-------------|---------------|-------------|-------------|-------------|-------------|
| Aroclor 1016 | µg/L  | ND (0.68) U | ND (0.68) U | ND (0.68) U   | ND (0.68) U | ND (0.68) U | ND (0.68) U | ND (0.68) U |
| Aroclor 1221 | µg/L  | ND (0.68) U | ND (0.68) U | ND (0.68) U   | ND (0.68) U | ND (0.68) U | ND (0.68) U | ND (0.68) U |
| Aroclor 1232 | µg/L  | ND (0.68) U | ND (0.68) U | ND (0.68) U   | ND (0.68) U | ND (0.68) U | ND (0.68) U | ND (0.68) U |
| Aroclor 1242 | µg/L  | ND (0.68) U | ND (0.68) U | ND (0.68) U   | ND (0.68) U | ND (0.68) U | ND (0.68) U | ND (0.68) U |
| Aroclor 1248 | µg/L  | 9610        | 9740        | 12600         | 9840        | 10100       | 12200       | 10600       |
| Aroclor 1254 | µg/L  | ND (0.50) U | ND (0.50) U | ND (0.50) U   | ND (0.50) U | ND (0.50) U | ND (0.50) U | ND (0.50) U |
| Aroclor 1260 | µg/L  | ND (0.50) U | ND (0.50) U | ND (0.50) U   | ND (0.50) U | ND (0.50) U | ND (0.50) U | ND (0.50) U |

**TABLE D-8.5**  
**Summary of Ground Water Analytical Data**  
**Dioxins and Furans**

| Parameter           | Units | B2-14      | B2-8       | DUP 6 (PC-56) | PC-2       | PC-4       | PC-56      | PC-58      |
|---------------------|-------|------------|------------|---------------|------------|------------|------------|------------|
| 1,2,3,4,6,7,8-HpCDD | µg/L  | ND (2.9) U | ND (3.2) U | ND (3.1) U    | ND (4.5) U | ND (3.1) U | ND (2.8) U | ND (2.9) U |
| 1,2,3,4,6,7,8-HpCDF | µg/L  | ND (1.7) U | ND (1.7) U | ND (1.4) U    | ND (1.5) U | ND (1.8) U | ND (1.8) U | ND (1.8) U |
| 1,2,3,4,7,8,9-HpCDF | µg/L  | ND (2.3) U | ND (2.4) U | ND (1.9) U    | ND (2.1) U | ND (2.5) U | ND (2.5) U | ND (2.4) U |
| 1,2,3,4,7,8-HxCDD   | pg/L  | ND (3.2) U | ND (3.3) U | ND (3.3) U    | ND (2.7) U | ND (3.3) U | ND (4.1) U | ND (3.4) U |
| 1,2,3,4,7,8-HxCDF   | pg/L  | 9610       | 9740       | 12600         | 9840       | 10100      | 12200      | 10600      |
| 1,2,3,6,7,8-HxCDD   | pg/L  | ND (3.5) U | ND (3.5) U | ND (3.6) U    | ND (2.8) U | ND (3.5) U | ND (4.4) U | ND (3.7) U |
| 1,2,3,6,7,8-HxCDF   | pg/L  | ND (1.3) U | ND (1.7) U | ND (1.7) U    | ND (1.6) U | ND (1.7) U | ND (2.1) U | ND (1.7) U |
| 1,2,3,7,8,9-HxCDD   | pg/L  | ND (3.2) U | ND (3.2) U | ND (3.3) U    | ND (2.6) U | ND (3.3) U | ND (4.0) U | ND (3.4) U |
| 1,2,3,7,8,9-HxCDF   | pg/L  | ND (1.6) U | ND (2.0) U | ND (2.0) U    | ND (1.8) U | ND (2.0) U | ND (2.5) U | ND (2.0) U |
| 1,2,3,7,8-PeCDD     | pg/L  | ND (5.3) U | ND (5.4) U | ND (6.1) U    | ND (6.3) U | ND (6.0) U | ND (6.8) U | ND (6.6) U |
| 1,2,3,7,8-PeCDF     | pg/L  | ND (2.8) U | ND (2.6) U | ND (2.7) U    | ND (2.8) U | ND (2.7) U | ND (3.3) U | ND (2.5) U |
| 2,3,4,6,7,8-HxCDF   | pg/L  | ND (1.4) U | ND (1.8) U | ND (1.8) U    | ND (1.6) U | ND (1.8) U | ND (2.2) U | ND (1.7) U |
| 2,3,4,7,8-PeCDF     | pg/L  | ND (2.7) U | ND (2.5) U | ND (2.6) U    | ND (2.7) U | ND (2.6) U | ND (3.2) U | ND (2.4) U |
| 2,3,7,8-TCDD        | pg/L  | ND (2.0) U | ND (2.2) U | ND (2.2) U    | ND (2.1) U | ND (2.2) U | ND (2.1) U | ND (2.0) U |
| 2,3,7,8-TCDF        | pg/L  | ND (1.3) U | ND (1.3) U | ND (1.3) U    | ND (1.4) U | ND (1.4) U | ND (1.6) U | ND (1.5) U |
| OCDD                | pg/L  | ND (5.7) U | ND (9.2) U | ND (5.1) U    | ND (1.1) U | ND (5.6) U | ND (8.9) U | ND (17) U  |
| OCDF                | pg/L  | ND (3.4) U | ND (4.5) U | ND (4.4) U    | ND (6.1) U | ND (6.1) U | ND (5.0) U | ND (5.5) U |



| TABLE D-8.6                             |       |            |            |               |        |            |            |            |  |
|-----------------------------------------|-------|------------|------------|---------------|--------|------------|------------|------------|--|
| Summary of Ground Water Analytical Data |       |            |            |               |        |            |            |            |  |
| Other Inorganics                        |       |            |            |               |        |            |            |            |  |
| Parameter                               | Units | B2-14      | B2-8       | DUP 6 (PC-56) | PC-2   | PC-4       | PC-56      | PC-58      |  |
| Perchlorate                             | µg/L  | 8850 Q     | 10800 Q    | 256000 Q      | 5250 Q | 9670 Q     | 247000 Q   | 10800 Q    |  |
| Total Cyanide                           | µg/L  | ND (2.5) U | ND (2.5) U | ND (2.5) U    | 2.9 B  | ND (2.5) U | ND (2.5) U | ND (2.5) U |  |
|                                         | µg/L  | 9610       | 9740       | 12600         | 9840   | 10100      | 12200      | 10600      |  |

**TABLE D-8.7**  
**Summary of Ground Water Analytical Data**

| Parameter             | Units | Metals       |              |               |              |              |              |              |  |  |  |
|-----------------------|-------|--------------|--------------|---------------|--------------|--------------|--------------|--------------|--|--|--|
|                       |       | B2-14        | B2-8         | DUP 6 (PC-56) | PC-2         | PC-4         | PC-56        | PC-58        |  |  |  |
| Aluminum              | µg/L  | 408          | 844          | 58.2 J        | 82600        | 664          | 547          | 5370         |  |  |  |
| Antimony              | µg/L  | ND (1.6) U   | ND (1.6) U   | ND (1.6) U    | ND (1.6) U   | ND (1.6) U   | ND (1.6) U   | ND (1.6) U   |  |  |  |
| Arsenic               | µg/L  | 86.3         | ND (0.22) U  | 77.2          | 108          | 55.9         | 77.3         | 142          |  |  |  |
| Barium                | µg/L  | 12.1 J       | ND (2.0) U   | 41.2 J        | 22.1 J       | 30.2 J       | 42.2 J       | 1150         |  |  |  |
| Beryllium             | µg/L  | 9610         | 9740         | 12600         | 9840         | 10100        | 12200        | 10600        |  |  |  |
| Cadmium               | µg/L  | 1.1 J        | ND (0.12) U  | 0.50 J        | 3.1 J        | 2.1 J        | 0.53 J       | 3.5 J        |  |  |  |
| Chromium (hexavalent) | µg/L  | 82.3         | 66           | ND (4.5) U    | ND (4.5) U   | 97.3         | ND (4.5) U   | 72.3         |  |  |  |
| Chromium (total)      | µg/L  | 60.2         | 0.73 J       | 0.92 J        | 41.5         | 77.2         | 0.79 J       | 85           |  |  |  |
| Cobalt                | µg/L  | 0.030 J      | 0.030 J      | 0.14 J        | 0.37 J       | 0.020 J      | 0.13 J       | 0.050 J      |  |  |  |
| Copper                | µg/L  | ND (19.5) U  | ND (19.5) U  | ND (19.5) U   | ND (19.5) U  | ND (19.5) U  | ND (19.5) U  | 71.9         |  |  |  |
| Iron                  | µg/L  | 99.9 J       | 769          | 136           | 68500        | 546          | 154          | 4430         |  |  |  |
| Lead                  | µg/L  | ND (0.43) U  | ND (0.43) U  | ND (0.43) U   | 0.60 J       | 0.52 J       | ND (0.43) U  | 37           |  |  |  |
| Magnesium             | µg/L  | 310000       | 303000       | 292000        | 570000       | 363000       | 269000       | 361000       |  |  |  |
| Manganese             | µg/L  | 6.1 B J      | 0.34 B J     | 648 J         | 14.4 B J     | 9.6 B J      | 629 J        | 1130 J       |  |  |  |
| Mercury               | µg/L  | ND (0.035) U | ND (0.035) U | ND (0.035) U  | ND (0.035) U | ND (0.035) U | ND (0.035) U | ND (0.035) U |  |  |  |
| Molybdenum            | µg/L  | 292          | ND (2.0) U   | 83.4          | 824          | 573          | 87.2         | 581          |  |  |  |
| Nickel                | µg/L  | 24.3 J       | ND (2.0) U   | 30.6 J        | 22.4 J       | 19.4 J       | 29.2 J       | 63.6         |  |  |  |
| Selenium              | µg/L  | 47.3         | ND (0.40) U  | 7.3           | 128          | 41.3         | 8            | 122          |  |  |  |
| Silver                | µg/L  | 0.065 B J    | ND (0.062) U | ND (0.062) U  | 0.075 B J    | 0.078 B J    | ND (0.062) U | 1.1 B J      |  |  |  |
| Thallium              | µg/L  | ND (0.022) U | ND (0.022) U | ND (0.022) U  | ND (0.022) U | ND (0.022) U | ND (0.022) U | ND (0.022) U |  |  |  |
| Thorium               | µg/L  | ND (0.96) U  | ND (0.96) U  | ND (0.96) U   | ND (0.96) U  | ND (0.96) U  | ND (0.96) U  | 24.1 J       |  |  |  |
| Titanium              | µg/L  | 7.4 J        | 1.2 J        | 8.6 J         | 33.0 J       | 27.7 J       | 8.7 J        | 1830         |  |  |  |
| Vanadium              | µg/L  | 29.7 J       | 0.16 J       | 44.8 J        | 25.3 J       | 15.3 J       | 43.8 J       | 158          |  |  |  |
| Zinc                  | µg/L  | ND (4.2) U   | 5.6 J        | 32            | 262          | ND (4.2) U   | 16.6 J       | 13.5 J       |  |  |  |

**TABLE D-8.8**  
**Summary of Ground Water Analytical Data**  
**Radionuclides**

| Parameter    | Units | B2-14       | B2-8        | DUP 6 (PC-56) | PC-2       | PC-4        | PC-56       | PC-58      |
|--------------|-------|-------------|-------------|---------------|------------|-------------|-------------|------------|
| Actinium 228 | µg/L  | ND (69) U   | ND (59) U   | ND (50) U     | ND (55) U  | ND (47) U   | ND (83) U   | ND (45) U  |
| Bismuth 212  | µg/L  | ND (210) U  | ND (190) U  | ND (160) U    | ND (170) U | ND (180) U  | ND (280) U  | ND (200) U |
| Bismuth 214  | µg/L  | ND (31) U   | ND (28) U   | ND (27) U     | ND (32) U  | ND (31) U   | ND (46) U   | ND (33) U  |
| Cesium 137   | pCi/L | ND (12) U   | ND (14) U   | ND (15) U     | ND (9.9) U | ND (10) U   | ND (18) U   | ND (15) U  |
| Lead 210     | pCi/L | 9610        | 9740        | 12600         | 9840       | 10100       | 12200       | 10600      |
| Lead 212     | pCi/L | ND (18) U   | ND (20) U   | ND (19) U     | ND (20) U  | ND (18) U   | ND (27) U   | ND (22) U  |
| Lead 214     | pCi/L | ND (25) U   | ND (27) U   | ND (25) U     | ND (24) U  | ND (23) U   | ND (36) U   | ND (28) U  |
| Potassium 40 | pCi/L | ND (240) U  | ND (240) U  | ND (250) U    | ND (180) U | ND (250) U  | ND (310) U  | ND (240) U |
| Radium 224   | pCi/L | ND (210) U  | ND (210) U  | ND (200) U    | ND (190) U | ND (150) U  | ND (290) U  | ND (240) U |
| Radium 226   | pCi/L | 0.66 J      | 1.11        | ND (0.27) U   | 1.61       | 0.38 J      | ND (0.29) U | 0.32 J     |
| Radium 228   | pCi/L | ND (0.88) U | ND (1.1) U  | 0.89 J        | 4.7        | ND (1.2) U  | 0.77 J      | ND (1.1) U |
| Thallium 208 | pCi/L | ND (13) U   | ND (13) U   | ND (16) U     | ND (15) U  | ND (13) U   | ND (17) U   | ND (15) U  |
| Thorium 228  | pCi/L | ND (0.52) U | ND (0.36) U | ND (0.42) U   | 1.93       | ND (0.60) U | ND (0.50) U | 0.32 J     |
| Thorium 230  | pCi/L | 0.74 J      | 1.03        | 0.85 J        | 7.5        | 0.93 J      | 0.91 J      | 1.12       |
| Thorium 232  | pCi/L | ND (0.44) U | ND (0.32) U | ND (0.20) U   | 2.1        | 0.15 J      | ND (0.21) U | 0.14 J     |
| Thorium 234  | pCi/L | ND (130) U  | ND (140) U  | ND (130) U    | ND (130) U | ND (130) U  | ND (170) U  | ND (150) U |
| Uranium 234  | pCi/L | 8.4         | 6.4         | 33.3          | 25.9       | 8.3         | 32.6        | 8.7        |
| Uranium 235  | pCi/L | 0.36 J      | 0.42 J      | 1.54          | 1.12       | 0.46 J      | 1.04        | 0.56 J     |
| Uranium 238  | pCi/L | 6           | 4.7         | 21.7          | 18.5       | 5.3         | 22          | 6.1        |

| TABLE D-8.9<br>Summary of Ground Water Analytical Data |          |                              |            |               |            |            |             |            |  |
|--------------------------------------------------------|----------|------------------------------|------------|---------------|------------|------------|-------------|------------|--|
| Parameter                                              | Units    | Physical/Chemical Indicators |            |               |            |            |             |            |  |
|                                                        |          | B2-14                        | B2-8       | DUP 6 (PC-56) | PC-2       | PC-4       | PC-56       | PC-58      |  |
| Calcium                                                | µg/L     | 711000                       | 676000     | 724000        | 595000     | 518000     | 749000      | 555000     |  |
| Potassium                                              | µg/L     | 74600                        | 58400      | 32500         | 53300      | 99700      | 35800       | 108000     |  |
| Sodium                                                 | µg/L     | 976000 J                     | 861000 J   | 1390000 J     | 1000000 J  | 1070000 J  | 1280000 J   | 1080000 J  |  |
| Chloride                                               | mg/L     | 1900                         | 1720       | 2750          | 1060       | 8.1        | 2830        | 1640       |  |
| Conductivity                                           | umhos/cm | 9610                         | 9740       | 12600         | 9840       | 10100      | 12200       | 10600      |  |
| Fluoride                                               | mg/L     | 0.13                         | 0.19       | 0.28          | 1.1        | 0.57       | 0.17        | 0.3        |  |
| Hardness, Total                                        | mg/L     | 3300                         | 3750       | 36000         | 3150       | 3500       | 3950        | 3650       |  |
| Nitrate                                                | mg/L     | 39.4                         | 14.2       | 17.9          | 9.2        | 24.5       | 17.1        | 21.9       |  |
| pH (liquid)                                            | no units | 7.6                          | 7.6        | 7.4           | 7.7        | 6.9        | 7.5         | 7.6        |  |
| Phosphate as P, Ortho                                  | mg/L     | ND (1.8) U                   | ND (1.8) U | ND (3.5) U    | ND (1.8) U | ND (1.8) U | ND (1.8) U  | ND (1.8) U |  |
| Sulfate                                                | mg/L     | 1090                         | 2650       | 2090          | 3870       | 570        | 2180        | 3330       |  |
| Total Alkalinity                                       | mg/L     | 77                           | 66         | 159           | 198        | 86         | 150         | 96         |  |
| Total Dissolved Solids                                 | mg/L     | 7210                         | 204        | 9830 J        | 9440 J     | 288 J      | 8170 J      | 8790 J     |  |
| Turbidity                                              | NTU      | 11.3                         | 12.8       | ND (0.42) U   | 1330       | 9.7        | ND (0.42) U | 90.5       |  |

**TABLE D-9.1**  
**Summary of Soil Analytical Data**  
**Volatile Organic Chemicals**

| Parameter                 | Units | A-1(0-1')   | A-1(10-12') | A-1(16-18') | A-2(0-1')   | A-2(10-12') | A-2(19-21') | B-1(0-1')   | B-1(10-12') |
|---------------------------|-------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 1,1,1-Trichloroethane     | µg/kg | ND (0.48) U | ND (0.47) U | ND (0.72) U | ND (0.46) U | ND (0.46) U | ND (0.48) U | ND (0.47) U | ND (0.48) U |
| 1,1,2,2-Tetrachloroethane | µg/kg | ND (0.48) U | ND (0.47) U | ND (0.72) U | ND (0.46) U | ND (0.46) U | ND (0.48) U | ND (0.47) U | ND (0.48) U |
| 1,1,2-Trichloroethane     | µg/kg | ND (0.47) U | ND (0.46) U | ND (0.71) U | ND (0.45) U | ND (0.45) U | ND (0.46) U | ND (0.45) U | ND (0.47) U |
| 1,1-Dichloroethane        | µg/kg | ND (0.41) U | ND (0.41) U | ND (0.62) U | ND (0.40) U | ND (0.40) U | ND (0.41) U | ND (0.40) U | ND (0.42) U |
| 1,1-Dichloroethene        | µg/kg | ND (1.4) U  | ND (1.4) U  | ND (2.1) U  | ND (1.4) U  | ND (1.4) U  | ND (1.4) U  | ND (1.4) U  | ND (1.4) U  |
| 1,2-Dichloroethane        | µg/kg | ND (0.47) U | ND (0.46) U | ND (0.71) U | ND (0.45) U | ND (0.45) U | ND (0.46) U | ND (0.45) U | ND (0.47) U |
| 1,2-Dichloropropane       | µg/kg | ND (0.23) U | ND (0.23) U | ND (0.34) U | ND (0.22) U | ND (0.22) U | ND (0.23) U | ND (0.22) U | ND (0.23) U |
| 2-Butanone                | µg/kg | ND (7.2) U  | ND (7.1) U  | ND (11) U   | ND (7.0) U  | ND (7.0) U  | ND (7.2) U  | ND (7.0) U  | ND (7.3) U  |
| 2-Hexanone                | µg/kg | ND (1.8) U  | ND (1.8) U  | ND (2.7) U  | ND (1.7) U  | ND (1.7) U  | ND (1.8) U  | ND (1.8) U  | ND (1.8) U  |
| 4-Methyl-2-pentanone      | µg/kg | ND (1.4) U  | ND (1.4) U  | ND (2.1) U  | ND (1.3) U  | ND (1.3) U  | ND (1.4) U  | ND (1.3) U  | ND (1.4) U  |
| Acetone                   | µg/kg | 6.2 JB      | 6.4 JB      | 13 JB       | 4.4 JB      | 9.5 JB      | 5.5 JB      | 5.8 JB      | 5.1 JB      |
| Benzene                   | µg/kg | ND (0.40) U | ND (0.40) U | ND (0.61) U | ND (0.39) U | ND (0.39) U | ND (0.40) U | ND (0.39) U | ND (0.41) U |
| Bromodichloromethane      | µg/kg | ND (0.49) U | ND (0.48) U | ND (0.74) U | ND (0.47) U | ND (0.47) U | ND (0.49) U | ND (0.48) U | ND (0.49) U |
| Bromoform                 | µg/kg | ND (0.67) U | ND (0.66) U | ND (1.0) U  | ND (0.65) U | ND (0.65) U | ND (0.67) U | ND (0.66) U | ND (0.68) U |
| Bromomethane              | µg/kg | ND (0.65) U | ND (0.64) U | ND (0.98) U | ND (0.63) U | ND (0.63) U | ND (0.65) U | ND (0.63) U | ND (0.66) U |
| Carbon disulfide          | µg/kg | ND (0.50) U | ND (0.49) U | ND (0.75) U | ND (0.48) U | ND (0.48) U | ND (0.50) U | ND (0.49) U | ND (0.51) U |
| Carbon tetrachloride      | µg/kg | ND (0.70) U | ND (0.70) U | ND (1.1) U  | ND (0.68) U | ND (0.68) U | ND (0.70) U | ND (0.69) U | ND (0.71) U |
| Chlorobenzene             | µg/kg | ND (0.37) U | ND (0.36) U | ND (0.56) U | ND (0.36) U | ND (0.36) U | ND (0.37) U | ND (0.36) U | ND (0.37) U |
| Chloroethane              | µg/kg | ND (2.4) U  | ND (2.3) U  | ND (3.6) U  | ND (2.3) U  | ND (2.3) U  | ND (2.3) U  | ND (2.3) U  | ND (2.4) U  |
| Chloroform                | µg/kg | ND (0.26) U | ND (0.26) U | 21          | ND (0.25) U | ND (0.25) U | ND (0.26) U | ND (0.25) U | ND (0.26) U |
| Chloromethane             | µg/kg | ND (0.83) U | ND (0.83) U | ND (1.3) U  | ND (0.81) U | ND (0.81) U | ND (0.83) U | ND (0.81) U | ND (0.85) U |
| cis-1,2-Dichloroethene    | µg/kg | ND (0.54) U | ND (0.54) U | ND (0.82) U | ND (0.53) U | ND (0.53) U | ND (0.54) U | ND (0.53) U | ND (0.55) U |
| cis-1,3-Dichloropropene   | µg/kg | ND (0.56) U | ND (0.56) U | ND (0.85) U | ND (0.55) U | ND (0.55) U | ND (0.56) U | ND (0.55) U | ND (0.57) U |
| Dibromochloromethane      | µg/kg | ND (0.41) U | ND (0.41) U | ND (0.62) U | ND (0.40) U | ND (0.40) U | ND (0.41) U | ND (0.40) U | ND (0.42) U |
| Ethylbenzene              | µg/kg | ND (0.96) U | ND (0.95) U | ND (1.5) U  | ND (0.94) U | ND (0.94) U | ND (0.96) U | ND (0.94) U | ND (0.98) U |
| Methylene chloride        | µg/kg | 7.5 B       | 6.0 B       | 17 B        | ND (0.56) U | ND (0.56) U | ND (0.57) U | ND (0.56) U | 1.1 J       |
| Styrene                   | µg/kg | ND (0.40) U | ND (0.40) U | ND (0.61) U | ND (0.39) U | ND (0.39) U | ND (0.40) U | ND (0.39) U | ND (0.41) U |
| Tetrachloroethene         | µg/kg | ND (0.39) U | ND (0.39) U | 4.5 J       | ND (0.38) U | ND (0.38) U | ND (0.39) U | ND (0.38) U | ND (0.40) U |
| Toluene                   | µg/kg | ND (0.59) U | ND (0.58) U | ND (0.89) U | ND (0.57) U | ND (0.57) U | ND (0.58) U | ND (0.57) U | ND (0.59) U |
| trans-1,2-Dichloroethene  | µg/kg | ND (0.48) U | ND (0.47) U | ND (0.72) U | ND (0.46) U | ND (0.46) U | ND (0.48) U | ND (0.47) U | ND (0.48) U |
| trans-1,3-Dichloropropene | µg/kg | ND (0.34) U | ND (0.33) U | ND (0.51) U | ND (0.33) U | ND (0.33) U | ND (0.33) U | ND (0.33) U | ND (0.34) U |
| Trichloroethene           | µg/kg | ND (0.34) U | ND (0.33) U | ND (0.51) U | ND (0.33) U | ND (0.33) U | ND (0.33) U | ND (0.33) U | ND (0.34) U |

**TABLE D-9.1**  
**Summary of Soil Analytical Data**  
**Volatile Organic Chemicals**

| Parameter              | Units | A-1(0-1')   | A-1(10-12') | A-1(16-18') | A-2(0-1')   | A-2(10-12') | A-2(19-21') | B-1(0-1')   | B-1(10-12') |
|------------------------|-------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Trichlorofluoromethane | µg/kg | ND (0.76) U | ND (0.75) U | ND (1.1) U  | ND (0.74) U | ND (0.74) U | ND (0.76) U | ND (0.74) U | ND (0.77) U |
| Vinyl acetate          | µg/kg | ND (0.61) U | ND (0.60) U | ND (0.92) U | ND (0.59) U | ND (0.59) U | ND (0.61) U | ND (0.59) U | ND (0.62) U |
| Vinyl chloride         | µg/kg | ND (0.86) U | ND (0.85) U | ND (1.3) U  | ND (0.83) U | ND (0.83) U | ND (0.85) U | ND (0.84) U | ND (0.87) U |
| Xylenes (total)        | µg/kg | ND (1.2) U  | ND (1.1) U  | ND (1.8) U  | ND (1.1) U  | ND (1.1) U  | ND (1.2) U  | ND (1.1) U  | ND (1.2) U  |

**TABLE D-9.1**  
**Summary of Soil Analytical Data**  
**Volatile Organic Chemicals**

| Parameter                 | Units | B-1(19-21') | B-2(0-1')   | B-2(4-5')   | B-3(0-1')   | B-3(4-5')   | DUP 1       | DUP 2       |
|---------------------------|-------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 1,1,1-Trichloroethane     | µg/kg | ND (0.59) U | ND (0.50) U | ND (0.46) U | ND (0.46) U | ND (0.50) U | ND (0.59) U | ND (0.47) U |
| 1,1,2,2-Tetrachloroethane | µg/kg | ND (0.59) U | ND (0.50) U | ND (0.46) U | ND (0.46) U | ND (0.50) U | ND (0.59) U | ND (0.47) U |
| 1,1,2-Trichloroethane     | µg/kg | ND (0.57) U | ND (0.49) U | ND (0.45) U | ND (0.45) U | ND (0.49) U | ND (0.58) U | ND (0.46) U |
| 1,1-Dichloroethane        | µg/kg | ND (0.51) U | ND (0.43) U | ND (0.40) U | ND (0.40) U | ND (0.43) U | ND (0.51) U | ND (0.41) U |
| 1,1-Dichloroethene        | µg/kg | ND (1.7) U  | ND (1.5) U  | ND (1.4) U  | ND (1.4) U  | ND (1.5) U  | ND (1.7) U  | ND (1.4) U  |
| 1,2-Dichloroethane        | µg/kg | ND (0.57) U | ND (0.49) U | ND (0.45) U | ND (0.45) U | ND (0.49) U | ND (0.58) U | ND (0.46) U |
| 1,2-Dichloropropane       | µg/kg | ND (0.28) U | ND (0.24) U | ND (0.22) U | ND (0.22) U | ND (0.24) U | ND (0.28) U | ND (0.23) U |
| 2-Butanone                | µg/kg | ND (8.9) U  | ND (7.5) U  | ND (7.0) U  | ND (6.9) U  | ND (7.5) U  | ND (8.9) U  | ND (7.1) U  |
| 2-Hexanone                | µg/kg | ND (2.2) U  | ND (1.9) U  | ND (1.7) U  | ND (1.7) U  | ND (1.9) U  | ND (2.2) U  | ND (1.8) U  |
| 4-Methyl-2-pentanone      | µg/kg | ND (1.7) U  | ND (1.4) U  | ND (1.3) U  | ND (1.3) U  | ND (1.4) U  | ND (1.7) U  | ND (1.4) U  |
| Acetone                   | µg/kg | 7.7 JB      | ND (3.0) U  | 2.8 J       | 3.6 JB      | 4.8 JB      | 10 J        | 5.0 JB      |
| Benzene                   | µg/kg | ND (0.49) U | ND (0.42) U | ND (0.39) U | ND (0.39) U | ND (0.42) U | ND (0.50) U | ND (0.40) U |
| Bromodichloromethane      | µg/kg | ND (0.60) U | ND (0.51) U | ND (0.47) U | ND (0.47) U | ND (0.51) U | ND (0.60) U | ND (0.48) U |
| Bromoform                 | µg/kg | ND (0.83) U | ND (0.70) U | ND (0.65) U | ND (0.65) U | ND (0.70) U | ND (0.83) U | ND (0.67) U |
| Bromomethane              | µg/kg | ND (0.80) U | ND (0.68) U | ND (0.63) U | ND (0.63) U | ND (0.68) U | ND (0.81) U | ND (0.64) U |
| Carbon disulfide          | µg/kg | ND (0.61) U | ND (0.52) U | ND (0.48) U | ND (0.48) U | ND (0.52) U | ND (0.62) U | ND (0.49) U |
| Carbon tetrachloride      | µg/kg | ND (0.87) U | ND (0.74) U | ND (0.68) U | ND (0.68) U | ND (0.73) U | ND (0.87) U | ND (0.70) U |
| Chlorobenzene             | µg/kg | ND (0.45) U | ND (0.39) U | ND (0.36) U | ND (0.35) U | ND (0.38) U | ND (0.46) U | ND (0.36) U |
| Chloroethane              | µg/kg | ND (2.9) U  | ND (2.5) U  | ND (2.3) U  | ND (2.3) U  | ND (2.5) U  | ND (2.9) U  | ND (2.3) U  |
| Chloroform                | µg/kg | ND (0.32) U | ND (0.27) U | ND (0.25) U | ND (0.25) U | ND (0.27) U | ND (0.32) U | ND (0.26) U |
| Chloromethane             | µg/kg | ND (1.0) U  | ND (0.87) U | ND (0.81) U | ND (0.80) U | ND (0.87) U | ND (1.0) U  | ND (0.83) U |
| cis-1,2-Dichloroethene    | µg/kg | ND (0.67) U | ND (0.57) U | ND (0.53) U | ND (0.52) U | ND (0.57) U | ND (0.67) U | ND (0.54) U |
| cis-1,3-Dichloropropene   | µg/kg | ND (0.69) U | ND (0.59) U | ND (0.55) U | ND (0.54) U | ND (0.59) U | ND (0.70) U | ND (0.56) U |
| Dibromochloromethane      | µg/kg | ND (0.51) U | ND (0.43) U | ND (0.40) U | ND (0.40) U | ND (0.43) U | ND (0.51) U | ND (0.41) U |
| Ethylbenzene              | µg/kg | ND (1.2) U  | ND (1.0) U  | ND (0.94) U | ND (0.93) U | ND (1.0) U  | ND (1.2) U  | ND (0.96) U |
| Methylene chloride        | µg/kg | ND (0.71) U | ND (0.60) U | ND (0.56) U | 3.7 JB      | 4.8 JB      | ND (0.71) U | 3.5 JB      |
| Styrene                   | µg/kg | ND (0.49) U | ND (0.42) U | ND (0.39) U | ND (0.39) U | ND (0.42) U | ND (0.50) U | ND (0.40) U |
| Tetrachloroethene         | µg/kg | ND (0.48) U | ND (0.41) U | ND (0.38) U | ND (0.38) U | ND (0.41) U | ND (0.48) U | ND (0.39) U |
| Toluene                   | µg/kg | ND (0.72) U | ND (0.61) U | ND (0.57) U | ND (0.56) U | ND (0.61) U | ND (0.72) U | ND (0.58) U |
| trans-1,2-Dichloroethene  | µg/kg | ND (0.59) U | ND (0.50) U | ND (0.46) U | ND (0.46) U | ND (0.50) U | ND (0.59) U | ND (0.47) U |
| trans-1,3-Dichloropropene | µg/kg | ND (0.41) U | ND (0.35) U | ND (0.33) U | ND (0.32) U | ND (0.35) U | ND (0.42) U | ND (0.33) U |
| Trichloroethene           | µg/kg | ND (0.41) U | ND (0.35) U | ND (0.33) U | ND (0.32) U | ND (0.35) U | ND (0.42) U | ND (0.33) U |

**TABLE D-9.1**  
**Summary of Soil Analytical Data**  
**Volatile Organic Chemicals**

| Parameter              | Units | B-1(19-21') | B-2(0-1')   | B-2(4-5')   | B-3(0-1')   | B-3(4-5')   | DUP 1       | DUP 2       |
|------------------------|-------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Trichlorofluoromethane | µg/kg | ND (0.93) U | ND (0.79) U | ND (0.74) U | ND (0.73) U | ND (0.79) U | ND (0.94) U | ND (0.75) U |
| Vinyl acetate          | µg/kg | ND (0.75) U | ND (0.63) U | ND (0.59) U | ND (0.58) U | ND (0.63) U | ND (0.75) U | ND (0.60) U |
| Vinyl chloride         | µg/kg | ND (1.1) U  | ND (0.90) U | ND (0.83) U | ND (0.82) U | ND (0.89) U | ND (1.1) U  | ND (0.85) U |
| Xylenes (total)        | µg/kg | ND (1.4) U  | ND (1.2) U  | ND (1.1) U  | ND (1.1) U  | ND (1.2) U  | ND (1.4) U  | ND (1.1) U  |



**TABLE D-9.1**  
**Summary of Soil Analytical Data**  
**Volatile Organic Chemicals**

| Parameter                 | Units | DUP 3       | E-1(0-1')   | E-1(4-5')   | E-2(0-1')   | E-2(4-5')   | E-2(6-8')   | P-1(0-1')   | P-1(10-12') |
|---------------------------|-------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 1,1,1-Trichloroethane     | µg/kg | ND (0.46) U | ND (0.47) U | ND (0.47) U | ND (0.46) U | ND (0.46) U | ND (0.51) U | ND (0.45) U | ND (0.47) U |
| 1,1,2,2-Tetrachloroethane | µg/kg | ND (0.46) U | ND (0.47) U | ND (0.47) U | ND (0.46) U | ND (0.46) U | ND (0.51) U | ND (0.45) U | ND (0.47) U |
| 1,1,2-Trichloroethane     | µg/kg | ND (0.45) U | ND (0.46) U | ND (0.45) U | ND (0.45) U | ND (0.45) U | ND (0.50) U | ND (0.44) U | ND (0.46) U |
| 1,1-Dichloroethane        | µg/kg | ND (0.40) U | ND (0.40) U | ND (0.40) U | ND (0.40) U | ND (0.40) U | ND (0.44) U | ND (0.39) U | ND (0.41) U |
| 1,1-Dichloroethene        | µg/kg | ND (1.4) U  | ND (1.4) U  | ND (1.4) U  | ND (1.4) U  | ND (1.4) U  | ND (1.5) U  | ND (1.3) U  | ND (1.4) U  |
| 1,2-Dichloroethane        | µg/kg | ND (0.45) U | ND (0.46) U | ND (0.45) U | ND (0.45) U | ND (0.45) U | ND (0.50) U | ND (0.44) U | ND (0.46) U |
| 1,2-Dichloropropane       | µg/kg | ND (0.22) U | ND (0.22) U | ND (0.22) U | ND (0.22) U | ND (0.22) U | ND (0.24) U | ND (0.22) U | ND (0.22) U |
| 2-Butanone                | µg/kg | ND (7.0) U  | ND (7.1) U  | ND (7.0) U  | ND (6.9) U  | ND (6.9) U  | ND (7.7) U  | ND (6.9) U  | ND (7.1) U  |
| 2-Hexanone                | µg/kg | ND (1.7) U  | ND (1.8) U  | ND (1.8) U  | ND (1.7) U  | ND (1.7) U  | ND (1.9) U  | ND (1.7) U  | ND (1.8) U  |
| 4-Methyl-2-pentanone      | µg/kg | ND (1.3) U  | ND (1.3) U  | ND (1.3) U  | ND (1.3) U  | ND (1.3) U  | ND (1.5) U  | ND (1.3) U  | ND (1.3) U  |
| Acetone                   | µg/kg | 4.4 JB      | 5.2 JB      | 6.3 JB      | 4.0 JB      | 7.2 JB      | 6.0 JB      | 4.2 JB      | 4.3 JB      |
| Benzene                   | µg/kg | ND (0.39) U | ND (0.39) U | ND (0.39) U | ND (0.39) U | ND (0.39) U | ND (0.43) U | ND (0.38) U | ND (0.39) U |
| Bromodichloromethane      | µg/kg | ND (0.47) U | ND (0.48) U | ND (0.48) U | ND (0.47) U | ND (0.47) U | ND (0.52) U | ND (0.46) U | ND (0.48) U |
| Bromoform                 | µg/kg | ND (0.65) U | ND (0.66) U | ND (0.66) U | ND (0.65) U | ND (0.65) U | ND (0.72) U | ND (0.64) U | ND (0.66) U |
| Bromomethane              | µg/kg | ND (0.63) U | ND (0.64) U | ND (0.63) U | ND (0.62) U | ND (0.63) U | ND (0.70) U | ND (0.62) U | ND (0.64) U |
| Carbon disulfide          | µg/kg | ND (0.48) U | ND (0.49) U | ND (0.49) U | ND (0.48) U | ND (0.48) U | ND (0.53) U | ND (0.47) U | ND (0.49) U |
| Carbon tetrachloride      | µg/kg | ND (0.68) U | ND (0.69) U | ND (0.69) U | ND (0.68) U | ND (0.68) U | ND (0.76) U | ND (0.67) U | ND (0.69) U |
| Chlorobenzene             | µg/kg | ND (0.36) U | ND (0.36) U | ND (0.36) U | ND (0.35) U | ND (0.35) U | ND (0.39) U | ND (0.35) U | ND (0.36) U |
| Chloroethane              | µg/kg | ND (2.3) U  | ND (2.3) U  | ND (2.3) U  | ND (2.3) U  | ND (2.3) U  | ND (2.5) U  | ND (2.2) U  | ND (2.3) U  |
| Chloroform                | µg/kg | ND (0.25) U | ND (0.25) U | ND (0.25) U | ND (0.25) U | ND (0.25) U | ND (0.28) U | ND (0.25) U | ND (0.26) U |
| Chloromethane             | µg/kg | ND (0.81) U | ND (0.82) U | ND (0.81) U | ND (0.80) U | ND (0.80) U | ND (0.89) U | ND (0.79) U | ND (0.82) U |
| cis-1,2-Dichloroethene    | µg/kg | ND (0.52) U | ND (0.53) U | ND (0.53) U | ND (0.52) U | ND (0.52) U | ND (0.58) U | ND (0.52) U | ND (0.53) U |
| cis-1,3-Dichloropropene   | µg/kg | ND (0.54) U | ND (0.55) U | ND (0.55) U | ND (0.54) U | ND (0.54) U | ND (0.60) U | ND (0.54) U | ND (0.55) U |
| Dibromochloromethane      | µg/kg | ND (0.40) U | ND (0.40) U | ND (0.40) U | ND (0.40) U | ND (0.40) U | ND (0.44) U | ND (0.39) U | ND (0.41) U |
| Ethylbenzene              | µg/kg | ND (0.93) U | ND (0.95) U | ND (0.94) U | ND (0.93) U | ND (0.93) U | ND (1.0) U  | ND (0.92) U | ND (0.95) U |
| Methylene chloride        | µg/kg | 6.2 B       | ND (0.56) U | ND (0.56) U | ND (0.55) U | ND (0.55) U | ND (0.62) U | ND (0.55) U | ND (0.57) U |
| Styrene                   | µg/kg | ND (0.39) U | ND (0.39) U | ND (0.39) U | ND (0.39) U | ND (0.39) U | ND (0.43) U | ND (0.38) U | ND (0.39) U |
| Tetrachloroethene         | µg/kg | ND (0.38) U | ND (0.38) U | ND (0.38) U | ND (0.37) U | ND (0.38) U | ND (0.42) U | ND (0.37) U | ND (0.38) U |
| Toluene                   | µg/kg | ND (0.57) U | ND (0.57) U | ND (0.57) U | ND (0.56) U | ND (0.56) U | ND (0.63) U | ND (0.56) U | ND (0.58) U |
| trans-1,2-Dichloroethene  | µg/kg | ND (0.46) U | ND (0.47) U | ND (0.47) U | ND (0.46) U | ND (0.46) U | ND (0.51) U | ND (0.45) U | ND (0.47) U |
| trans-1,3-Dichloropropene | µg/kg | ND (0.32) U | ND (0.33) U | ND (0.33) U | ND (0.32) U | ND (0.32) U | ND (0.36) U | ND (0.32) U | ND (0.33) U |
| Trichloroethene           | µg/kg | ND (0.32) U | ND (0.33) U | ND (0.33) U | ND (0.32) U | ND (0.32) U | ND (0.36) U | ND (0.32) U | ND (0.33) U |

**TABLE D-9.1**  
**Summary of Soil Analytical Data**  
**Volatiles Organic Chemicals**

| Parameter              | Units | DUP 3       | E-1(0-1')   | E-1(4-5')   | E-2(0-1')   | E-2(4-5')   | E-2(6-8')   | P-1(0-1')   | P-1(10-12') |
|------------------------|-------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Trichlorofluoromethane | µg/kg | ND (0.73) U | ND (0.74) U | ND (0.74) U | ND (0.73) U | ND (0.73) U | ND (0.81) U | ND (0.72) U | ND (0.75) U |
| Vinyl acetate          | µg/kg | ND (0.59) U | ND (0.59) U | ND (0.59) U | ND (0.58) U | ND (0.58) U | ND (0.65) U | ND (0.58) U | ND (0.60) U |
| Vinyl chloride         | µg/kg | ND (0.83) U | ND (0.84) U | ND (0.84) U | ND (0.82) U | ND (0.82) U | ND (0.92) U | ND (0.82) U | ND (0.84) U |
| Xylenes (total)        | µg/kg | ND (1.1) U  | ND (1.1) U  | ND (1.1) U  | ND (1.1) U  | ND (1.1) U  | ND (1.2) U  | ND (1.1) U  | ND (1.1) U  |

**TABLE D-9.1**  
**Summary of Soil Analytical Data**  
**Volatile Organic Chemicals**

| Parameter                 | Units | P-1(18-20') | P-10(0-1')  | P-10(10-11') | P-10(12-12 5') | P-10(16 5-17 5') | P-11(0-1')  | P-11(15-17') |
|---------------------------|-------|-------------|-------------|--------------|----------------|------------------|-------------|--------------|
| 1,1,1-Trichloroethane     | µg/kg | ND (0.48) U | ND (0.46) U |              | ND (0.44) U    | ND (0.48) U      | ND (0.45) U | ND (0.49) U  |
| 1,1,2,2-Tetrachloroethane | µg/kg | ND (0.48) U | ND (0.46) U |              | ND (0.44) U    | ND (0.48) U      | ND (0.45) U | ND (0.49) U  |
| 1,1,2-Trichloroethane     | µg/kg | ND (0.47) U | ND (0.45) U |              | ND (0.43) U    | ND (0.47) U      | ND (0.44) U | ND (0.48) U  |
| 1,1-Dichloroethane        | µg/kg | ND (0.41) U | ND (0.40) U |              | ND (0.38) U    | ND (0.42) U      | ND (0.39) U | ND (0.42) U  |
| 1,1-Dichloroethene        | µg/kg | ND (1.4) U  | ND (1.4) U  |              | ND (1.3) U     | ND (1.4) U       | ND (1.3) U  | ND (1.4) U   |
| 1,2-Dichloroethane        | µg/kg | ND (0.47) U | ND (0.45) U |              | ND (0.43) U    | ND (0.47) U      | ND (0.44) U | ND (0.48) U  |
| 1,2-Dichloropropane       | µg/kg | ND (0.23) U | ND (0.22) U |              | ND (0.21) U    | ND (0.23) U      | ND (0.22) U | ND (0.23) U  |
| 2-Butanone                | µg/kg | ND (7.2) U  | ND (7.0) U  |              | ND (6.6) U     | ND (7.3) U       | ND (6.8) U  | ND (7.4) U   |
| 2-Hexanone                | µg/kg | ND (1.8) U  | ND (1.7) U  |              | ND (1.7) U     | ND (1.8) U       | ND (1.7) U  | ND (1.8) U   |
| 4-Methyl-2-pentanone      | µg/kg | ND (1.4) U  | ND (1.3) U  |              | ND (1.3) U     | ND (1.4) U       | ND (1.3) U  | ND (1.4) U   |
| Acetone                   | µg/kg | 5.4 JB      | 9.2 J       |              | 9.9 J          | 9.1 J            | 3.6 J       | 6.0 JB       |
| Benzene                   | µg/kg | ND (0.40) U | ND (0.39) U |              | ND (0.37) U    | ND (0.41) U      | ND (0.38) U | ND (0.41) U  |
| Bromodichloromethane      | µg/kg | ND (0.49) U | ND (0.47) U |              | ND (0.45) U    | ND (0.50) U      | ND (0.46) U | ND (0.50) U  |
| Bromoform                 | µg/kg | ND (0.68) U | ND (0.65) U |              | ND (0.62) U    | ND (0.68) U      | ND (0.64) U | ND (0.69) U  |
| Bromomethane              | µg/kg | ND (0.65) U | ND (0.63) U |              | ND (0.60) U    | ND (0.66) U      | ND (0.62) U | ND (0.67) U  |
| Carbon disulfide          | µg/kg | ND (0.50) U | ND (0.48) U |              | ND (0.46) U    | ND (0.51) U      | ND (0.47) U | ND (0.51) U  |
| Carbon tetrachloride      | µg/kg | ND (0.71) U | ND (0.68) U |              | ND (0.65) U    | ND (0.72) U      | ND (0.67) U | ND (0.72) U  |
| Chlorobenzene             | µg/kg | ND (0.37) U | ND (0.36) U |              | ND (0.34) U    | ND (0.37) U      | ND (0.35) U | ND (0.38) U  |
| Chloroethane              | µg/kg | ND (2.4) U  | ND (2.3) U  |              | ND (2.2) U     | ND (2.4) U       | ND (2.2) U  | ND (2.4) U   |
| Chloroform                | µg/kg | ND (0.26) U | ND (0.25) U |              | ND (0.24) U    | ND (0.26) U      | ND (0.25) U | ND (0.27) U  |
| Chloromethane             | µg/kg | ND (0.84) U | ND (0.81) U |              | ND (0.77) U    | ND (0.85) U      | ND (0.79) U | ND (0.86) U  |
| cis-1,2-Dichloroethene    | µg/kg | ND (0.55) U | ND (0.52) U |              | ND (0.50) U    | ND (0.55) U      | ND (0.51) U | ND (0.56) U  |
| cis-1,3-Dichloropropene   | µg/kg | ND (0.57) U | ND (0.55) U |              | ND (0.52) U    | ND (0.57) U      | ND (0.53) U | ND (0.58) U  |
| Dibromochloromethane      | µg/kg | ND (0.41) U | ND (0.40) U |              | ND (0.38) U    | ND (0.42) U      | ND (0.39) U | ND (0.42) U  |
| Ethylbenzene              | µg/kg | ND (0.97) U | ND (0.93) U |              | ND (0.89) U    | ND (0.98) U      | ND (0.91) U | ND (0.99) U  |
| Methylene chloride        | µg/kg | 1.1 J       | ND (0.56) U |              | ND (0.53) U    | ND (0.58) U      | 1.1 J       | ND (0.59) U  |
| Styrene                   | µg/kg | ND (0.40) U | ND (0.39) U |              | ND (0.37) U    | ND (0.41) U      | ND (0.38) U | ND (0.41) U  |
| Tetrachloroethene         | µg/kg | ND (0.39) U | ND (0.38) U |              | ND (0.36) U    | ND (0.40) U      | ND (0.37) U | ND (0.40) U  |
| Toluene                   | µg/kg | ND (0.59) U | ND (0.57) U |              | ND (0.54) U    | ND (0.59) U      | 2.0 J       | ND (0.60) U  |
| trans-1,2-Dichloroethene  | µg/kg | ND (0.48) U | ND (0.46) U |              | ND (0.44) U    | ND (0.48) U      | ND (0.45) U | ND (0.49) U  |
| trans-1,3-Dichloropropene | µg/kg | ND (0.34) U | ND (0.33) U |              | ND (0.31) U    | ND (0.34) U      | ND (0.32) U | ND (0.34) U  |
| Trichloroethene           | µg/kg | ND (0.34) U | ND (0.33) U |              | ND (0.31) U    | ND (0.34) U      | ND (0.32) U | ND (0.34) U  |

**TABLE D-9.1**  
**Summary of Soil Analytical Data**  
**Volatile Organic Chemicals**

| Parameter              | Units | P-1(18-20') | P-10(0-1')  | P-10(10-11') | P-10(12-12 5') | P-10(16 5-17 5') | P-11(0-1')  | P-11(15-17') |
|------------------------|-------|-------------|-------------|--------------|----------------|------------------|-------------|--------------|
| Trichlorofluoromethane | µg/kg | ND (0.76) U | ND (0.73) U |              | ND (0.70) U    | ND (0.77) U      | ND (0.72) U | ND (0.78) U  |
| Vinyl acetate          | µg/kg | ND (0.61) U | ND (0.59) U |              | ND (0.56) U    | ND (0.62) U      | ND (0.57) U | ND (0.62) U  |
| Vinyl chloride         | µg/kg | ND (0.86) U | ND (0.83) U |              | ND (0.79) U    | ND (0.87) U      | ND (0.81) U | ND (0.88) U  |
| Xylenes (total)        | µg/kg | ND (1.2) U  | ND (1.1) U  |              | ND (1.1) U     | ND (1.2) U       | 1.8 J       | ND (1.2) U   |

**TABLE D-9.1**  
**Summary of Soil Analytical Data**  
**Volatile Organic Chemicals**

| Parameter                 | Units | P-11(4-5)   | P-12(0-1')  | P-12(15-17') | P-12(4-5')  | P-13(0-1')  | P-13(4-5')  | P-14(0-1')  | P-14(4-5')  |
|---------------------------|-------|-------------|-------------|--------------|-------------|-------------|-------------|-------------|-------------|
| 1,1,1-Trichloroethane     | µg/kg | ND (0.46) U | ND (0.47) U | ND (0.48) U  | ND (0.45) U | ND (0.48) U | ND (0.47) U | ND (0.47) U | ND (0.47) U |
| 1,1,2,2-Tetrachloroethane | µg/kg | ND (0.46) U | ND (0.47) U | ND (0.48) U  | ND (0.45) U | ND (0.48) U | ND (0.47) U | ND (0.47) U | ND (0.49) U |
| 1,1,2-Trichloroethane     | µg/kg | ND (0.45) U | ND (0.46) U | ND (0.47) U  | ND (0.44) U | ND (0.47) U | ND (0.46) U | ND (0.45) U | ND (0.48) U |
| 1,1-Dichloroethane        | µg/kg | ND (0.40) U | ND (0.41) U | ND (0.41) U  | ND (0.39) U | ND (0.42) U | ND (0.41) U | ND (0.40) U | ND (0.42) U |
| 1,1-Dichloroethene        | µg/kg | ND (1.4) U  | ND (1.4) U  | ND (1.4) U   | ND (1.3) U  | ND (1.4) U  | ND (1.4) U  | ND (1.4) U  | ND (1.5) U  |
| 1,2-Dichloroethane        | µg/kg | ND (0.45) U | ND (0.46) U | ND (0.47) U  | ND (0.44) U | ND (0.47) U | ND (0.46) U | ND (0.45) U | ND (0.48) U |
| 1,2-Dichloropropane       | µg/kg | ND (0.22) U | ND (0.22) U | ND (0.23) U  | ND (0.21) U | ND (0.23) U | ND (0.22) U | ND (0.22) U | ND (0.23) U |
| 2-Butanone                | µg/kg | ND (6.9) U  | ND (7.1) U  | ND (7.3) U   | ND (6.8) U  | ND (7.3) U  | ND (7.1) U  | ND (7.0) U  | ND (7.4) U  |
| 2-Hexanone                | µg/kg | ND (1.7) U  | ND (1.8) U  | ND (1.8) U   | ND (1.7) U  | ND (1.8) U  | ND (1.8) U  | ND (1.8) U  | ND (1.9) U  |
| 4-Methyl-2-pentanone      | µg/kg | ND (1.3) U  | ND (1.3) U  | ND (1.4) U   | ND (1.3) U  | ND (1.4) U  | ND (1.3) U  | ND (1.3) U  | ND (1.4) U  |
| Acetone                   | µg/kg | 4.2 J       | 31 B        | 6.8 JB       | 7.1 JB      | ND (2.9) U  | ND (2.8) U  | 27 B        | 6.1 JB      |
| Benzene                   | µg/kg | ND (0.39) U | ND (0.39) U | ND (0.40) U  | ND (0.38) U | ND (0.41) U | ND (0.39) U | ND (0.39) U | ND (0.41) U |
| Bromodichloromethane      | µg/kg | ND (0.47) U | ND (0.48) U | ND (0.49) U  | ND (0.46) U | ND (0.49) U | ND (0.48) U | ND (0.48) U | ND (0.50) U |
| Bromoform                 | µg/kg | ND (0.65) U | ND (0.66) U | ND (0.68) U  | ND (0.63) U | ND (0.68) U | ND (0.66) U | ND (0.66) U | ND (0.69) U |
| Bromomethane              | µg/kg | ND (0.63) U | ND (0.64) U | ND (0.66) U  | ND (0.61) U | ND (0.66) U | ND (0.64) U | ND (0.63) U | ND (0.67) U |
| Carbon disulfide          | µg/kg | ND (0.48) U | ND (0.49) U | ND (0.50) U  | ND (0.47) U | ND (0.50) U | ND (0.49) U | ND (0.49) U | ND (0.51) U |
| Carbon tetrachloride      | µg/kg | ND (0.68) U | ND (0.69) U | ND (0.71) U  | ND (0.66) U | ND (0.71) U | ND (0.69) U | ND (0.69) U | ND (0.73) U |
| Chlorobenzene             | µg/kg | ND (0.35) U | ND (0.36) U | ND (0.37) U  | ND (0.35) U | ND (0.37) U | ND (0.36) U | ND (0.36) U | ND (0.38) U |
| Chloroethane              | µg/kg | ND (2.3) U  | ND (2.3) U  | ND (2.4) U   | ND (2.2) U  | ND (2.4) U  | ND (2.3) U  | ND (2.3) U  | ND (2.4) U  |
| Chloroform                | µg/kg | ND (0.25) U | ND (0.26) U | ND (0.26) U  | ND (0.24) U | ND (0.26) U | ND (0.26) U | ND (0.25) U | ND (0.27) U |
| Chloromethane             | µg/kg | ND (0.80) U | ND (0.82) U | ND (0.84) U  | ND (0.79) U | ND (0.84) U | ND (0.82) U | ND (0.81) U | ND (0.86) U |
| cis-1,2-Dichloroethene    | µg/kg | ND (0.52) U | ND (0.53) U | ND (0.55) U  | ND (0.51) U | ND (0.55) U | ND (0.53) U | ND (0.53) U | ND (0.56) U |
| cis-1,3-Dichloropropene   | µg/kg | ND (0.54) U | ND (0.55) U | ND (0.57) U  | ND (0.53) U | ND (0.57) U | ND (0.55) U | ND (0.55) U | ND (0.58) U |
| Dibromochloromethane      | µg/kg | ND (0.40) U | ND (0.41) U | ND (0.41) U  | ND (0.39) U | ND (0.42) U | ND (0.41) U | ND (0.40) U | ND (0.42) U |
| Ethylbenzene              | µg/kg | ND (0.93) U | 1.2 J       | ND (0.97) U  | ND (0.91) U | ND (0.97) U | ND (0.95) U | ND (0.94) U | ND (0.99) U |
| Methylene chloride        | µg/kg | ND (0.55) U | 3.0 JB      | ND (0.58) U  | 2.7 JB      | 4.3 JB      | 4.3 JB      | 4.0 JB      | 4.1 JB      |
| Styrene                   | µg/kg | ND (0.39) U | ND (0.39) U | ND (0.40) U  | ND (0.38) U | ND (0.41) U | ND (0.39) U | ND (0.39) U | ND (0.41) U |
| Tetrachloroethene         | µg/kg | ND (0.38) U | ND (0.38) U | ND (0.39) U  | ND (0.37) U | ND (0.39) U | ND (0.38) U | ND (0.38) U | ND (0.40) U |
| Toluene                   | µg/kg | ND (0.56) U | 3.7 JB      | ND (0.59) U  | ND (0.55) U | ND (0.59) U | ND (0.58) U | 1.6 JB      | ND (0.60) U |
| trans-1,2-Dichloroethene  | µg/kg | ND (0.46) U | ND (0.47) U | ND (0.48) U  | ND (0.45) U | ND (0.48) U | ND (0.47) U | ND (0.47) U | ND (0.49) U |
| trans-1,3-Dichloropropene | µg/kg | ND (0.32) U | ND (0.33) U | ND (0.34) U  | ND (0.32) U | ND (0.34) U | ND (0.33) U | ND (0.33) U | ND (0.35) U |
| Trichloroethene           | µg/kg | ND (0.32) U | ND (0.33) U | ND (0.34) U  | ND (0.32) U | ND (0.34) U | ND (0.33) U | ND (0.33) U | ND (0.35) U |

**TABLE D-9.1**  
**Summary of Soil Analytical Data**  
**Volatile Organic Chemicals**

| Parameter              | Units | P-11(4-5')  | P-12(0-1')  | P-12(15-17') | P-12(4-5')  | P-13(0-1')  | P-13(4-5')  | P-14(0-1')  | P-14(4-5')  |
|------------------------|-------|-------------|-------------|--------------|-------------|-------------|-------------|-------------|-------------|
| Trichlorofluoromethane | µg/kg | ND (0.73) U | ND (0.75) U | ND (0.76) U  | ND (0.71) U | ND (0.77) U | ND (0.75) U | ND (0.74) U | ND (0.78) U |
| Vinyl acetate          | µg/kg | ND (0.58) U | ND (0.60) U | ND (0.61) U  | ND (0.57) U | ND (0.61) U | ND (0.60) U | ND (0.59) U | ND (0.62) U |
| Vinyl chloride         | µg/kg | ND (0.82) U | ND (0.84) U | ND (0.86) U  | ND (0.81) U | ND (0.87) U | ND (0.84) U | ND (0.84) U | ND (0.88) U |
| Xylenes (total)        | µg/kg | ND (1.1) U  | 3.9 J B     | ND (1.2) U   | ND (1.1) U  | ND (1.2) U  | ND (1.1) U  | 2.7 J B     | ND (1.2) U  |

**TABLE D-9.1**  
**Summary of Soil Analytical Data**  
**Volatile Organic Chemicals**

| Parameter                 | Units | P-15(0-1')  | P-15(4-5')  | P-16(0-1')  | P-16(4-5')  | P-17(0-1')  | P-17(4-5')  | P-17(6-8')  | P-2(0-1')   |
|---------------------------|-------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 1,1,1-Trichloroethane     | µg/kg | ND (0.48) U | ND (0.50) U | ND (0.48) U | ND (0.47) U | ND (0.46) U | ND (0.50) U | ND (0.49) U | ND (0.46) U |
| 1,1,2,2-Tetrachloroethane | µg/kg | ND (0.48) U | ND (0.50) U | ND (0.48) U | ND (0.47) U | ND (0.46) U | ND (0.50) U | ND (0.49) U | ND (0.46) U |
| 1,1,2-Trichloroethane     | µg/kg | ND (0.47) U | ND (0.49) U | ND (0.47) U | ND (0.46) U | ND (0.45) U | ND (0.49) U | ND (0.48) U | ND (0.45) U |
| 1,1-Dichloroethane        | µg/kg | ND (0.41) U | ND (0.43) U | ND (0.41) U | ND (0.41) U | ND (0.40) U | ND (0.44) U | ND (0.42) U | ND (0.40) U |
| 1,1-Dichloroethene        | µg/kg | ND (1.4) U  | ND (1.5) U  | ND (1.4) U  | ND (1.4) U  | ND (1.4) U  | ND (1.5) U  | ND (1.4) U  | ND (1.4) U  |
| 1,2-Dichloroethane        | µg/kg | ND (0.47) U | ND (0.49) U | ND (0.47) U | ND (0.46) U | ND (0.45) U | ND (0.49) U | ND (0.48) U | ND (0.45) U |
| 1,2-Dichloropropane       | µg/kg | ND (0.23) U | ND (0.24) U | ND (0.23) U | ND (0.23) U | ND (0.22) U | ND (0.24) U | ND (0.23) U | ND (0.22) U |
| 2-Butanone                | µg/kg | ND (7.2) U  | ND (7.5) U  | ND (7.2) U  | ND (7.1) U  | ND (7.0) U  | ND (7.6) U  | ND (7.4) U  | ND (6.9) U  |
| 2-Hexanone                | µg/kg | ND (1.8) U  | ND (1.9) U  | ND (1.8) U  | ND (1.8) U  | ND (1.7) U  | ND (1.9) U  | ND (1.8) U  | ND (1.7) U  |
| 4-Methyl-2-pentanone      | µg/kg | ND (1.4) U  | ND (1.4) U  | ND (1.4) U  | ND (1.4) U  | ND (1.3) U  | ND (1.4) U  | ND (1.4) U  | ND (1.3) U  |
| Acetone                   | µg/kg | 4.2 J       | 3.3 J       | 13 JB       | 9.0 JB      | 8.8 JB      | 4.8 JB      | 3.8 JB      | 7.2 JB      |
| Benzene                   | µg/kg | ND (0.40) U | ND (0.42) U | ND (0.40) U | ND (0.40) U | ND (0.39) U | ND (0.42) U | ND (0.41) U | ND (0.39) U |
| Bromodichloromethane      | µg/kg | ND (0.49) U | ND (0.51) U | ND (0.49) U | ND (0.48) U | ND (0.47) U | ND (0.52) U | ND (0.50) U | ND (0.47) U |
| Bromoform                 | µg/kg | ND (0.67) U | ND (0.70) U | ND (0.67) U | ND (0.67) U | ND (0.65) U | ND (0.71) U | ND (0.69) U | ND (0.65) U |
| Bromomethane              | µg/kg | ND (0.65) U | ND (0.68) U | ND (0.65) U | ND (0.64) U | ND (0.63) U | ND (0.69) U | ND (0.67) U | ND (0.63) U |
| Carbon disulfide          | µg/kg | ND (0.50) U | ND (0.52) U | ND (0.50) U | ND (0.49) U | ND (0.48) U | ND (0.53) U | ND (0.51) U | ND (0.48) U |
| Carbon tetrachloride      | µg/kg | ND (0.71) U | ND (0.74) U | ND (0.70) U | ND (0.70) U | ND (0.68) U | ND (0.74) U | ND (0.72) U | ND (0.68) U |
| Chlorobenzene             | µg/kg | ND (0.37) U | ND (0.39) U | ND (0.37) U | ND (0.37) U | ND (0.36) U | ND (0.39) U | ND (0.38) U | ND (0.35) U |
| Chloroethane              | µg/kg | ND (2.4) U  | ND (2.5) U  | ND (2.4) U  | ND (2.3) U  | ND (2.3) U  | ND (2.5) U  | ND (2.4) U  | ND (2.3) U  |
| Chloroform                | µg/kg | ND (0.26) U | ND (0.27) U | ND (0.26) U | ND (0.26) U | ND (0.25) U | ND (0.28) U | ND (0.27) U | ND (0.25) U |
| Chloromethane             | µg/kg | ND (0.84) U | ND (0.88) U | ND (0.83) U | ND (0.83) U | ND (0.81) U | ND (0.88) U | ND (0.86) U | ND (0.80) U |
| cis-1,2-Dichloroethene    | µg/kg | ND (0.54) U | ND (0.57) U | ND (0.54) U | ND (0.54) U | ND (0.52) U | ND (0.57) U | ND (0.56) U | ND (0.52) U |
| cis-1,3-Dichloropropene   | µg/kg | ND (0.57) U | ND (0.59) U | ND (0.56) U | ND (0.56) U | ND (0.55) U | ND (0.60) U | ND (0.58) U | ND (0.54) U |
| Dibromochloromethane      | µg/kg | ND (0.41) U | ND (0.43) U | ND (0.41) U | ND (0.41) U | ND (0.40) U | ND (0.44) U | ND (0.42) U | ND (0.40) U |
| Ethylbenzene              | µg/kg | ND (0.97) U | ND (1.0) U  | ND (0.96) U | ND (0.96) U | ND (0.93) U | ND (1.0) U  | ND (0.99) U | ND (0.93) U |
| Methylene chloride        | µg/kg | ND (0.58) U | ND (0.60) U | 4.1 JB      | 4.3 JB      | 3.8 JB      | 4.1 JB      | ND (0.59) U | ND (0.55) U |
| Styrene                   | µg/kg | ND (0.40) U | ND (0.42) U | ND (0.40) U | ND (0.40) U | ND (0.39) U | ND (0.42) U | ND (0.41) U | ND (0.39) U |
| Tetrachloroethene         | µg/kg | ND (0.39) U | ND (0.41) U | ND (0.39) U | ND (0.39) U | ND (0.38) U | ND (0.41) U | ND (0.40) U | ND (0.38) U |
| Toluene                   | µg/kg | ND (0.59) U | ND (0.61) U | ND (0.58) U | ND (0.58) U | ND (0.57) U | ND (0.62) U | ND (0.60) U | ND (0.56) U |
| trans-1,2-Dichloroethene  | µg/kg | ND (0.48) U | ND (0.50) U | ND (0.48) U | ND (0.47) U | ND (0.46) U | ND (0.50) U | ND (0.49) U | ND (0.46) U |
| trans-1,3-Dichloropropene | µg/kg | ND (0.34) U | ND (0.35) U | ND (0.34) U | ND (0.33) U | ND (0.33) U | ND (0.36) U | ND (0.34) U | ND (0.32) U |
| Trichloroethene           | µg/kg | ND (0.34) U | ND (0.35) U | ND (0.34) U | ND (0.33) U | ND (0.33) U | ND (0.36) U | ND (0.34) U | ND (0.32) U |

**TABLE D-9.1**  
**Summary of Soil Analytical Data**  
**Volatile Organic Chemicals**

| Parameter              | Units | P-15(0-1')  | P-15(4-5')  | P-16(0-1')  | P-16(4-5')  | P-17(0-1')  | P-17(4-5')  | P-17(6-8')  | P-2(0-1')   |
|------------------------|-------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Trichlorofluoromethane | µg/kg | ND (0.76) U | ND (0.80) U | ND (0.76) U | ND (0.75) U | ND (0.73) U | ND (0.80) U | ND (0.78) U | ND (0.73) U |
| Vinyl acetate          | µg/kg | ND (0.61) U | ND (0.64) U | ND (0.61) U | ND (0.60) U | ND (0.59) U | ND (0.64) U | ND (0.62) U | ND (0.58) U |
| Vinyl chloride         | µg/kg | ND (0.86) U | ND (0.90) U | ND (0.86) U | ND (0.85) U | ND (0.83) U | ND (0.91) U | ND (0.88) U | ND (0.82) U |
| Xylenes (total)        | µg/kg | ND (1.2) U  | ND (1.2) U  | ND (1.2) U  | ND (1.1) U  | ND (1.1) U  | ND (1.2) U  | ND (1.2) U  | ND (1.1) U  |



**TABLE D-9.1**  
**Summary of Soil Analytical Data**  
**Volatile Organic Chemicals**

| Parameter                 | Units | P-2(10-12') | P-2(16-18') | P-3(0-1')   | P-3(10-12') | P-3(18-20') | P-4(0-1')   | P-4(10-12') | P-4(20-22') |
|---------------------------|-------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 1,1,1-Trichloroethane     | µg/kg | ND (0.48) U | ND (0.48) U | ND (0.47) U | ND (0.47) U | ND (0.48) U | ND (0.45) U | ND (0.46) U | ND (0.48) U |
| 1,1,2,2-Tetrachloroethane | µg/kg | ND (0.48) U | ND (0.48) U | ND (0.47) U | ND (0.47) U | ND (0.48) U | ND (0.45) U | ND (0.46) U | ND (0.48) U |
| 1,1,2-Trichloroethane     | µg/kg | ND (0.47) U | ND (0.47) U | ND (0.46) U | ND (0.46) U | ND (0.47) U | ND (0.44) U | ND (0.45) U | ND (0.47) U |
| 1,1-Dichloroethane        | µg/kg | ND (0.42) U | ND (0.41) U | ND (0.40) U | ND (0.40) U | ND (0.41) U | ND (0.39) U | ND (0.40) U | ND (0.42) U |
| 1,1-Dichloroethene        | µg/kg | ND (1.4) U  | ND (1.4) U  | ND (1.4) U  | ND (1.4) U  | ND (1.4) U  | ND (1.3) U  | ND (1.4) U  | ND (1.4) U  |
| 1,2-Dichloroethane        | µg/kg | ND (0.47) U | ND (0.47) U | ND (0.46) U | ND (0.46) U | ND (0.47) U | ND (0.44) U | ND (0.45) U | ND (0.47) U |
| 1,2-Dichloropropane       | µg/kg | ND (0.23) U | ND (0.23) U | ND (0.22) U | ND (0.22) U | ND (0.23) U | ND (0.22) U | ND (0.22) U | ND (0.23) U |
| 2-Butanone                | µg/kg | ND (7.3) U  | ND (7.2) U  | ND (7.0) U  | ND (7.1) U  | ND (7.3) U  | ND (6.8) U  | ND (7.0) U  | ND (7.3) U  |
| 2-Hexanone                | µg/kg | ND (1.8) U  | ND (1.8) U  | ND (1.8) U  | ND (1.8) U  | ND (1.8) U  | ND (1.7) U  | ND (1.7) U  | ND (1.8) U  |
| 4-Methyl-2-pentanone      | µg/kg | ND (1.4) U  | ND (1.4) U  | ND (1.3) U  | ND (1.3) U  | ND (1.4) U  | ND (1.3) U  | ND (1.3) U  | ND (1.4) U  |
| Acetone                   | µg/kg | 8.0 JB      | 5.5 JB      | 4.2 JB      | 7.9 JB      | 7.0 JB      | 2.9 JB      | 8.2 JB      | 5.4 JB      |
| Benzene                   | µg/kg | ND (0.41) U | ND (0.40) U | ND (0.39) U | ND (0.39) U | ND (0.40) U | ND (0.38) U | ND (0.39) U | ND (0.40) U |
| Bromodichloromethane      | µg/kg | ND (0.49) U | ND (0.49) U | ND (0.48) U | ND (0.48) U | ND (0.49) U | ND (0.46) U | ND (0.47) U | ND (0.49) U |
| Bromoform                 | µg/kg | ND (0.68) U | ND (0.67) U | ND (0.66) U | ND (0.66) U | ND (0.68) U | ND (0.64) U | ND (0.65) U | ND (0.68) U |
| Bromomethane              | µg/kg | ND (0.66) U | ND (0.65) U | ND (0.63) U | ND (0.64) U | ND (0.66) U | ND (0.62) U | ND (0.63) U | ND (0.66) U |
| Carbon disulfide          | µg/kg | ND (0.51) U | ND (0.50) U | ND (0.49) U | ND (0.49) U | ND (0.50) U | ND (0.47) U | ND (0.48) U | ND (0.50) U |
| Carbon tetrachloride      | µg/kg | ND (0.71) U | ND (0.71) U | ND (0.69) U | ND (0.69) U | ND (0.71) U | ND (0.67) U | ND (0.68) U | ND (0.71) U |
| Chlorobenzene             | µg/kg | ND (0.37) U | ND (0.37) U | ND (0.36) U | ND (0.36) U | ND (0.37) U | ND (0.35) U | ND (0.36) U | ND (0.37) U |
| Chloroethane              | µg/kg | ND (2.4) U  | ND (2.4) U  | ND (2.3) U  | ND (2.3) U  | ND (2.4) U  | ND (2.2) U  | ND (2.3) U  | ND (2.4) U  |
| Chloroform                | µg/kg | ND (0.26) U | ND (0.26) U | ND (0.25) U | ND (0.26) U | ND (0.26) U | ND (0.25) U | ND (0.25) U | ND (0.26) U |
| Chloromethane             | µg/kg | ND (0.85) U | ND (0.84) U | ND (0.81) U | ND (0.82) U | ND (0.84) U | ND (0.79) U | ND (0.81) U | ND (0.84) U |
| cis-1,2-Dichloroethene    | µg/kg | ND (0.55) U | ND (0.54) U | ND (0.53) U | ND (0.53) U | ND (0.55) U | ND (0.51) U | ND (0.53) U | ND (0.55) U |
| cis-1,3-Dichloropropene   | µg/kg | ND (0.57) U | ND (0.56) U | ND (0.55) U | ND (0.55) U | ND (0.57) U | ND (0.54) U | ND (0.55) U | ND (0.57) U |
| Dibromochloromethane      | µg/kg | ND (0.42) U | ND (0.41) U | ND (0.40) U | ND (0.40) U | ND (0.41) U | ND (0.39) U | ND (0.40) U | ND (0.42) U |
| Ethylbenzene              | µg/kg | ND (0.98) U | ND (0.97) U | ND (0.94) U | ND (0.95) U | ND (0.97) U | ND (0.92) U | ND (0.94) U | ND (0.97) U |
| Methylene chloride        | µg/kg | ND (0.58) U | ND (0.58) U | ND (0.56) U | ND (0.56) U | ND (0.58) U | ND (0.55) U | ND (0.56) U | ND (0.58) U |
| Styrene                   | µg/kg | ND (0.41) U | ND (0.40) U | ND (0.39) U | ND (0.39) U | ND (0.40) U | ND (0.38) U | ND (0.39) U | ND (0.40) U |
| Tetrachloroethene         | µg/kg | ND (0.40) U | ND (0.39) U | ND (0.38) U | ND (0.38) U | ND (0.39) U | ND (0.37) U | ND (0.38) U | ND (0.39) U |
| Toluene                   | µg/kg | ND (0.59) U | ND (0.59) U | ND (0.57) U | ND (0.57) U | ND (0.59) U | ND (0.56) U | ND (0.57) U | ND (0.59) U |
| trans-1,2-Dichloroethene  | µg/kg | ND (0.48) U | ND (0.48) U | ND (0.47) U | ND (0.47) U | ND (0.48) U | ND (0.45) U | ND (0.46) U | ND (0.48) U |
| trans-1,3-Dichloropropene | µg/kg | ND (0.34) U | ND (0.34) U | ND (0.33) U | ND (0.33) U | ND (0.34) U | ND (0.32) U | ND (0.33) U | ND (0.34) U |
| Trichloroethene           | µg/kg | ND (0.34) U | ND (0.34) U | ND (0.33) U | ND (0.33) U | ND (0.34) U | ND (0.32) U | ND (0.33) U | ND (0.34) U |

**TABLE D-9.1**  
**Summary of Soil Analytical Data**  
**Volatile Organic Chemicals**

| Parameter              | Units | P-2(10-12') | P-2(16-18') | P-3(0-1')   | P-3(10-12') | P-3(18-20') | P-4(0-1')   | P-4(10-12') | P-4(20-22') |
|------------------------|-------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Trichlorofluoromethane | µg/kg | ND (0.77) U | ND (0.76) U | ND (0.74) U | ND (0.74) U | ND (0.76) U | ND (0.72) U | ND (0.74) U | ND (0.76) U |
| Vinyl acetate          | µg/kg | ND (0.62) U | ND (0.61) U | ND (0.59) U | ND (0.60) U | ND (0.61) U | ND (0.58) U | ND (0.59) U | ND (0.61) U |
| Vinyl chloride         | µg/kg | ND (0.87) U | ND (0.86) U | ND (0.84) U | ND (0.84) U | ND (0.86) U | ND (0.81) U | ND (0.83) U | ND (0.86) U |
| Xylenes (total)        | µg/kg | ND (1.2) U  | ND (1.2) U  | ND (1.1) U  | ND (1.1) U  | ND (1.2) U  | ND (1.1) U  | ND (1.1) U  | ND (1.2) U  |

**TABLE D-9.1**  
**Summary of Soil Analytical Data**  
**Volatile Organic Chemicals**

| Parameter                 | Units | P-5(0-1')   | P-5(10-12') | P-5(16-18') | P-6(0-1')   | P-6(10-12') | P-6(18-21') | P-7(0-1')   |
|---------------------------|-------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 1,1,1-Trichloroethane     | µg/kg | ND (0.47) U | ND (0.48) U | ND (0.50) U | ND (0.47) U | ND (0.47) U | ND (0.50) U | ND (0.48) U |
| 1,1,2,2-Tetrachloroethane | µg/kg | ND (0.47) U | ND (0.48) U | ND (0.50) U | ND (0.47) U | ND (0.47) U | ND (0.50) U | ND (0.48) U |
| 1,1,2-Trichloroethane     | µg/kg | ND (0.46) U | ND (0.47) U | ND (0.48) U | ND (0.46) U | ND (0.46) U | ND (0.49) U | ND (0.47) U |
| 1,1-Dichloroethane        | µg/kg | ND (0.41) U | ND (0.41) U | ND (0.43) U | ND (0.40) U | ND (0.40) U | ND (0.43) U | ND (0.41) U |
| 1,1-Dichloroethene        | µg/kg | ND (1.4) U  | ND (1.4) U  | ND (1.5) U  | ND (1.4) U  | ND (1.4) U  | ND (1.5) U  | ND (1.4) U  |
| 1,2-Dichloroethane        | µg/kg | ND (0.46) U | ND (0.47) U | ND (0.48) U | ND (0.46) U | ND (0.46) U | ND (0.49) U | ND (0.47) U |
| 1,2-Dichloropropane       | µg/kg | ND (0.22) U | ND (0.23) U | ND (0.24) U | ND (0.22) U | ND (0.22) U | ND (0.24) U | ND (0.23) U |
| 2-Butanone                | µg/kg | ND (7.1) U  | ND (7.2) U  | ND (7.5) U  | ND (7.1) U  | ND (7.0) U  | ND (7.5) U  | ND (7.3) U  |
| 2-Hexanone                | µg/kg | ND (1.8) U  | ND (1.8) U  | ND (1.9) U  | ND (1.8) U  | ND (1.8) U  | ND (1.9) U  | ND (1.8) U  |
| 4-Methyl-2-pentanone      | µg/kg | ND (1.3) U  | ND (1.4) U  | ND (1.4) U  | ND (1.3) U  | ND (1.3) U  | ND (1.4) U  | ND (1.4) U  |
| Acetone                   | µg/kg | 5.2 JB      | 6.6 JB      | 7.5 JB      | 4.7 JB      | 6.5 JB      | 5.2 JB      | 17 J        |
| Benzene                   | µg/kg | ND (0.39) U | ND (0.40) U | ND (0.42) U | ND (0.39) U | ND (0.39) U | ND (0.42) U | ND (0.40) U |
| Bromochloromethane        | µg/kg | ND (0.48) U | ND (0.49) U | ND (0.51) U | ND (0.48) U | ND (0.48) U | ND (0.51) U | ND (0.49) U |
| Bromoform                 | µg/kg | ND (0.66) U | ND (0.67) U | ND (0.70) U | ND (0.66) U | ND (0.66) U | ND (0.70) U | ND (0.68) U |
| Bromomethane              | µg/kg | ND (0.64) U | ND (0.65) U | ND (0.68) U | ND (0.64) U | ND (0.64) U | ND (0.68) U | ND (0.66) U |
| Carbon disulfide          | µg/kg | ND (0.49) U | ND (0.50) U | ND (0.52) U | ND (0.49) U | ND (0.49) U | ND (0.52) U | ND (0.50) U |
| Carbon tetrachloride      | µg/kg | ND (0.69) U | ND (0.71) U | ND (0.73) U | ND (0.69) U | ND (0.69) U | ND (0.74) U | ND (0.71) U |
| Chlorobenzene             | µg/kg | ND (0.36) U | ND (0.37) U | ND (0.38) U | ND (0.36) U | ND (0.36) U | ND (0.39) U | ND (0.37) U |
| Chloroethane              | µg/kg | ND (2.3) U  | ND (2.4) U  | ND (2.4) U  | ND (2.3) U  | ND (2.3) U  | ND (2.5) U  | ND (2.4) U  |
| Chloroform                | µg/kg | ND (0.26) U | ND (0.26) U | 2.5 J       | ND (0.25) U | ND (0.25) U | ND (0.27) U | ND (0.26) U |
| Chloromethane             | µg/kg | ND (0.82) U | ND (0.84) U | ND (0.87) U | ND (0.82) U | ND (0.82) U | ND (0.87) U | ND (0.84) U |
| cis-1,2-Dichloroethene    | µg/kg | ND (0.53) U | ND (0.54) U | ND (0.56) U | ND (0.53) U | ND (0.53) U | ND (0.57) U | ND (0.55) U |
| cis-1,3-Dichloropropene   | µg/kg | ND (0.55) U | ND (0.57) U | ND (0.59) U | ND (0.55) U | ND (0.55) U | ND (0.59) U | ND (0.57) U |
| Dibromochloromethane      | µg/kg | ND (0.41) U | ND (0.41) U | ND (0.43) U | ND (0.40) U | ND (0.40) U | ND (0.43) U | ND (0.41) U |
| Ethylbenzene              | µg/kg | ND (0.95) U | ND (0.97) U | ND (1.0) U  | ND (0.95) U | ND (0.94) U | ND (1.0) U  | ND (0.97) U |
| Methylene chloride        | µg/kg | 7.0 B       | 6.9 B       | 6.6 B       | ND (0.56) U | ND (0.56) U | ND (0.60) U | 1.3 J       |
| Styrene                   | µg/kg | ND (0.39) U | ND (0.40) U | ND (0.42) U | ND (0.39) U | ND (0.39) U | ND (0.42) U | ND (0.40) U |
| Tetrachloroethene         | µg/kg | ND (0.38) U | ND (0.39) U | ND (0.41) U | ND (0.38) U | ND (0.38) U | ND (0.41) U | ND (0.39) U |
| Toluene                   | µg/kg | ND (0.58) U | ND (0.59) U | ND (0.61) U | ND (0.57) U | ND (0.57) U | ND (0.61) U | 1.4 J       |
| trans-1,2-Dichloroethene  | µg/kg | ND (0.47) U | ND (0.48) U | ND (0.50) U | ND (0.47) U | ND (0.47) U | ND (0.50) U | ND (0.48) U |
| trans-1,3-Dichloropropene | µg/kg | ND (0.33) U | ND (0.34) U | ND (0.35) U | ND (0.33) U | ND (0.33) U | ND (0.35) U | ND (0.34) U |
| Trichloroethene           | µg/kg | ND (0.33) U | ND (0.34) U | ND (0.35) U | ND (0.33) U | ND (0.33) U | ND (0.35) U | ND (0.34) U |

**TABLE D-9.1**  
**Summary of Soil Analytical Data**  
**Volatile Organic Chemicals**

| Parameter              | Units | P-5(0-1')   | P-5(10-12') | P-5(16-18') | P-6(0-1')   | P-6(10-12') | P-6(18-21') | P-7(0-1')   |
|------------------------|-------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Trichlorofluoromethane | µg/kg | ND (0.75) U | ND (0.76) U | ND (0.79) U | ND (0.74) U | ND (0.74) U | ND (0.79) U | ND (0.76) U |
| Vinyl acetate          | µg/kg | ND (0.60) U | ND (0.61) U | ND (0.63) U | ND (0.59) U | ND (0.59) U | ND (0.64) U | ND (0.61) U |
| Vinyl chloride         | µg/kg | ND (0.84) U | ND (0.86) U | ND (0.89) U | ND (0.84) U | ND (0.84) U | ND (0.90) U | ND (0.86) U |
| Xylenes (total)        | µg/kg | ND (1.1) U  | ND (1.2) U  | ND (1.2) U  | ND (1.1) U  | ND (1.1) U  | ND (1.2) U  | ND (1.2) U  |

**TABLE D-9.1**  
**Summary of Soil Analytical Data**  
**Volatile Organic Chemicals**

| Parameter                 | Units | P-7(10-12') | P-7(18-20') | P-7(19-21') | P-7(2-3')   | P-8(0-1')   | P-8(10-12') | P-8(16-18') | P-9(0-1')   |
|---------------------------|-------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 1,1,1-Trichloroethane     | µg/kg | ND (0.64) U | ND (0.53) U | ND (0.44) U | ND (0.44) U | ND (0.49) U | ND (0.47) U | ND (0.50) U | ND (0.46) U |
| 1,1,2,2-Tetrachloroethane | µg/kg | ND (0.64) U | ND (0.53) U | ND (0.44) U | ND (0.44) U | ND (0.49) U | ND (0.47) U | ND (0.50) U | ND (0.46) U |
| 1,1,2-Trichloroethane     | µg/kg | ND (0.62) U | ND (0.51) U | ND (0.43) U | ND (0.43) U | ND (0.48) U | ND (0.46) U | ND (0.49) U | ND (0.45) U |
| 1,1-Dichloroethane        | µg/kg | ND (0.55) U | ND (0.45) U | ND (0.38) U | ND (0.38) U | ND (0.42) U | ND (0.40) U | ND (0.44) U | ND (0.40) U |
| 1,1-Dichloroethene        | µg/kg | ND (1.9) U  | ND (1.6) U  | ND (1.3) U  | ND (1.3) U  | ND (1.4) U  | ND (1.4) U  | ND (1.5) U  | ND (1.4) U  |
| 1,2-Dichloroethane        | µg/kg | ND (0.62) U | ND (0.51) U | ND (0.43) U | ND (0.43) U | ND (0.48) U | ND (0.46) U | ND (0.49) U | ND (0.45) U |
| 1,2-Dichloropropane       | µg/kg | ND (0.30) U | ND (0.25) U | ND (0.21) U | ND (0.21) U | ND (0.23) U | ND (0.22) U | ND (0.24) U | ND (0.22) U |
| 2-Butanone                | µg/kg | ND (9.6) U  | ND (7.9) U  | ND (6.6) U  | ND (6.6) U  | ND (7.3) U  | ND (7.1) U  | ND (7.6) U  | ND (7.0) U  |
| 2-Hexanone                | µg/kg | ND (2.4) U  | ND (2.0) U  | ND (1.7) U  | ND (1.7) U  | ND (1.8) U  | ND (1.8) U  | ND (1.9) U  | ND (1.8) U  |
| 4-Methyl-2-pentanone      | µg/kg | ND (1.8) U  | ND (1.5) U  | ND (1.3) U  | ND (1.3) U  | ND (1.4) U  | ND (1.3) U  | ND (1.4) U  | ND (1.3) U  |
| Acetone                   | µg/kg | 8.4 J       | 4.3 JB      | 8.6 J       | 8.6 J       | 6.5 JB      | 10 JB       | 11 JB       | 8.1 J       |
| Benzene                   | µg/kg | ND (0.54) U | ND (0.44) U | ND (0.37) U | ND (0.37) U | ND (0.41) U | ND (0.39) U | ND (0.42) U | ND (0.39) U |
| Bromodichloromethane      | µg/kg | ND (0.65) U | ND (0.54) U | ND (0.45) U | ND (0.45) U | ND (0.50) U | ND (0.48) U | ND (0.52) U | ND (0.48) U |
| Bromoform                 | µg/kg | ND (0.90) U | ND (0.74) U | ND (0.62) U | ND (0.62) U | ND (0.69) U | ND (0.66) U | ND (0.71) U | ND (0.66) U |
| Bromomethane              | µg/kg | ND (0.87) U | ND (0.72) U | ND (0.60) U | ND (0.60) U | ND (0.66) U | ND (0.64) U | ND (0.69) U | ND (0.63) U |
| Carbon disulfide          | µg/kg | ND (0.67) U | ND (0.55) U | ND (0.46) U | ND (0.46) U | ND (0.51) U | ND (0.49) U | ND (0.53) U | ND (0.49) U |
| Carbon tetrachloride      | µg/kg | ND (0.94) U | ND (0.78) U | ND (0.65) U | ND (0.65) U | ND (0.72) U | ND (0.69) U | ND (0.75) U | ND (0.69) U |
| Chlorobenzene             | µg/kg | ND (0.49) U | ND (0.41) U | ND (0.34) U | ND (0.34) U | ND (0.38) U | ND (0.36) U | ND (0.39) U | ND (0.36) U |
| Chloroethane              | µg/kg | ND (3.1) U  | ND (2.6) U  | ND (2.2) U  | ND (2.2) U  | ND (2.4) U  | ND (2.3) U  | ND (2.5) U  | ND (2.3) U  |
| Chloroform                | µg/kg | 11          | ND (0.29) U | ND (0.24) U | ND (0.24) U | ND (0.27) U | ND (0.25) U | ND (0.28) U | ND (0.25) U |
| Chloromethane             | µg/kg | ND (1.1) U  | ND (0.92) U | ND (0.77) U | ND (0.77) U | ND (0.85) U | ND (0.82) U | ND (0.88) U | ND (0.81) U |
| cis-1,2-Dichloroethene    | µg/kg | ND (0.72) U | ND (0.60) U | ND (0.50) U | ND (0.50) U | ND (0.55) U | ND (0.53) U | ND (0.57) U | ND (0.53) U |
| cis-1,3-Dichloropropene   | µg/kg | ND (0.75) U | ND (0.62) U | ND (0.52) U | ND (0.52) U | ND (0.57) U | ND (0.55) U | ND (0.60) U | ND (0.55) U |
| Dibromochloromethane      | µg/kg | ND (0.55) U | ND (0.45) U | ND (0.38) U | ND (0.38) U | ND (0.42) U | ND (0.40) U | ND (0.44) U | ND (0.40) U |
| Ethylbenzene              | µg/kg | ND (1.3) U  | ND (1.1) U  | ND (0.89) U | ND (0.89) U | ND (0.98) U | ND (0.95) U | ND (1.0) U  | ND (0.94) U |
| Methylene chloride        | µg/kg | ND (0.77) U | ND (0.63) U | ND (0.53) U | ND (0.53) U | 7.3 B       | 6.9 B       | 9.8 B       | ND (0.56) U |
| Styrene                   | µg/kg | ND (0.54) U | ND (0.44) U | ND (0.37) U | ND (0.37) U | ND (0.41) U | ND (0.39) U | ND (0.42) U | ND (0.39) U |
| Tetrachloroethene         | µg/kg | 2.0 J       | ND (0.43) U | ND (0.36) U | ND (0.36) U | ND (0.40) U | ND (0.38) U | ND (0.41) U | ND (0.38) U |
| Toluene                   | µg/kg | ND (0.78) U | ND (0.65) U | ND (0.54) U | ND (0.54) U | ND (0.60) U | ND (0.57) U | ND (0.62) U | ND (0.57) U |
| trans-1,2-Dichloroethene  | µg/kg | ND (0.64) U | ND (0.53) U | ND (0.44) U | ND (0.44) U | ND (0.49) U | ND (0.47) U | ND (0.50) U | ND (0.46) U |
| trans-1,3-Dichloropropene | µg/kg | ND (0.45) U | ND (0.37) U | ND (0.31) U | ND (0.31) U | ND (0.34) U | ND (0.33) U | ND (0.36) U | ND (0.33) U |
| Trichloroethene           | µg/kg | ND (0.45) U | ND (0.37) U | ND (0.31) U | ND (0.31) U | ND (0.34) U | ND (0.33) U | ND (0.36) U | ND (0.33) U |

**TABLE D-9.1**  
**Summary of Soil Analytical Data**  
**Volatile Organic Chemicals**

| Parameter              | Units | P-7(10-12') | P-7(18-20') | P-7(19-21') | P-7(2-3')   | P-8(0-1')   | P-8(10-12') | P-8(16-18') | P-9(0-1')   |
|------------------------|-------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Trichlorofluoromethane | µg/kg |             | ND (1.0) U  | ND (0.84) U | ND (0.70) U | ND (0.77) U | ND (0.74) U | ND (0.80) U | ND (0.74) U |
| Vinyl acetate          | µg/kg |             | ND (0.81) U | ND (0.67) U | ND (0.56) U | ND (0.62) U | ND (0.59) U | ND (0.64) U | ND (0.59) U |
| Vinyl chloride         | µg/kg |             | ND (1.1) U  | ND (0.95) U | ND (0.79) U | ND (0.87) U | ND (0.84) U | ND (0.91) U | ND (0.83) U |
| Xylenes (total)        | µg/kg |             | ND (1.5) U  | ND (1.3) U  | ND (1.1) U  | ND (1.2) U  | ND (1.1) U  | ND (1.2) U  | ND (1.1) U  |

**TABLE D-9.1**  
**Summary of Soil Analytical Data**  
**Volatile Organic Chemicals**

| Parameter                 | Units | P-9(6-8')   | S-1(0-1')   | S-1(10-12') | S-1(16-17') | S-2(0-1')   | S-2(10-12') | S-2(18-20') |
|---------------------------|-------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 1,1,1-Trichloroethane     | µg/kg | ND (0.49) U | ND (0.46) U | ND (0.46) U | ND (0.47) U | ND (0.46) U | ND (0.48) U | ND (0.57) U |
| 1,1,2,2-Tetrachloroethane | µg/kg | ND (0.49) U | ND (0.46) U | ND (0.46) U | ND (0.47) U | ND (0.46) U | ND (0.48) U | ND (0.57) U |
| 1,1,2-Trichloroethane     | µg/kg | ND (0.48) U | ND (0.45) U | ND (0.45) U | ND (0.46) U | ND (0.45) U | ND (0.47) U | ND (0.55) U |
| 1,1-Dichloroethane        | µg/kg | ND (0.42) U | ND (0.39) U | ND (0.40) U | ND (0.41) U | ND (0.40) U | ND (0.41) U | ND (0.49) U |
| 1,1-Dichloroethene        | µg/kg | ND (1.4) U  | ND (1.3) U  | ND (1.4) U  | ND (1.4) U  | ND (1.4) U  | ND (1.4) U  | ND (1.7) U  |
| 1,2-Dichloroethane        | µg/kg | ND (0.48) U | ND (0.45) U | ND (0.45) U | ND (0.46) U | ND (0.45) U | ND (0.47) U | ND (0.55) U |
| 1,2-Dichloropropane       | µg/kg | ND (0.23) U | ND (0.22) U | ND (0.22) U | ND (0.23) U | ND (0.22) U | ND (0.23) U | ND (0.27) U |
| 2-Butanone                | µg/kg | ND (7.3) U  | ND (6.9) U  | ND (7.0) U  | ND (7.1) U  | ND (7.0) U  | ND (7.2) U  | ND (8.5) U  |
| 2-Hexanone                | µg/kg | ND (1.8) U  | ND (1.7) U  | ND (1.8) U  | ND (1.8) U  | ND (1.8) U  | ND (1.8) U  | ND (2.1) U  |
| 4-Methyl-2-pentanone      | µg/kg | ND (1.4) U  | ND (1.3) U  | ND (1.3) U  | ND (1.4) U  | ND (1.3) U  | ND (1.4) U  | ND (1.6) U  |
| Acetone                   | µg/kg | 9.2 J       | 5.5 JB      | 4.9 JB      | 6.1 JB      | 3.2 JB      | 4.7 JB      | 4.6 JB      |
| Benzene                   | µg/kg | ND (0.41) U | ND (0.38) U | ND (0.39) U | ND (0.40) U | ND (0.39) U | ND (0.40) U | ND (0.48) U |
| Bromodichloromethane      | µg/kg | ND (0.50) U | ND (0.47) U | ND (0.47) U | ND (0.48) U | ND (0.48) U | ND (0.49) U | ND (0.58) U |
| Bromoform                 | µg/kg | ND (0.69) U | ND (0.64) U | ND (0.65) U | ND (0.67) U | ND (0.66) U | ND (0.67) U | ND (0.80) U |
| Bromomethane              | µg/kg | ND (0.66) U | ND (0.62) U | ND (0.63) U | ND (0.64) U | ND (0.63) U | ND (0.65) U | ND (0.77) U |
| Carbon disulfide          | µg/kg | ND (0.51) U | ND (0.48) U | ND (0.49) U | ND (0.49) U | ND (0.49) U | ND (0.50) U | ND (0.59) U |
| Carbon tetrachloride      | µg/kg | ND (0.72) U | ND (0.67) U | ND (0.69) U | ND (0.70) U | ND (0.69) U | ND (0.70) U | ND (0.83) U |
| Chlorobenzene             | µg/kg | ND (0.38) U | ND (0.35) U | ND (0.36) U | ND (0.37) U | ND (0.36) U | ND (0.37) U | ND (0.44) U |
| Chloroethane              | µg/kg | ND (2.4) U  | ND (2.3) U  | ND (2.3) U  | ND (2.3) U  | ND (2.3) U  | ND (2.3) U  | ND (2.8) U  |
| Chloroform                | µg/kg | ND (0.27) U | ND (0.25) U | ND (0.25) U | ND (0.26) U | ND (0.25) U | ND (0.26) U | 5.1 J       |
| Chloromethane             | µg/kg | ND (0.85) U | ND (0.80) U | ND (0.81) U | ND (0.83) U | ND (0.81) U | ND (0.83) U | ND (0.99) U |
| cis-1,2-Dichloroethene    | µg/kg | ND (0.55) U | ND (0.52) U | ND (0.53) U | ND (0.54) U | ND (0.53) U | ND (0.54) U | ND (0.64) U |
| cis-1,3-Dichloropropene   | µg/kg | ND (0.58) U | ND (0.54) U | ND (0.55) U | ND (0.56) U | ND (0.55) U | ND (0.56) U | ND (0.67) U |
| Dibromochloromethane      | µg/kg | ND (0.42) U | ND (0.39) U | ND (0.40) U | ND (0.41) U | ND (0.40) U | ND (0.41) U | ND (0.49) U |
| Ethylbenzene              | µg/kg | ND (0.98) U | ND (0.92) U | ND (0.94) U | ND (0.96) U | ND (0.94) U | ND (0.96) U | ND (1.1) U  |
| Methylene chloride        | µg/kg | ND (0.59) U | ND (0.55) U | ND (0.56) U | 1.1 J       | ND (0.56) U | ND (0.57) U | ND (0.68) U |
| Styrene                   | µg/kg | ND (0.41) U | ND (0.38) U | ND (0.39) U | ND (0.40) U | ND (0.39) U | ND (0.40) U | ND (0.48) U |
| Tetrachloroethene         | µg/kg | ND (0.40) U | ND (0.37) U | ND (0.38) U | ND (0.39) U | ND (0.38) U | ND (0.39) U | ND (0.46) U |
| Toluene                   | µg/kg | ND (0.60) U | ND (0.56) U | ND (0.57) U | ND (0.58) U | ND (0.57) U | ND (0.58) U | ND (0.69) U |
| trans-1,2-Dichloroethene  | µg/kg | ND (0.49) U | ND (0.46) U | ND (0.46) U | ND (0.47) U | ND (0.46) U | ND (0.48) U | ND (0.57) U |
| trans-1,3-Dichloropropene | µg/kg | ND (0.34) U | ND (0.32) U | ND (0.33) U | ND (0.33) U | ND (0.33) U | ND (0.34) U | ND (0.40) U |
| Trichloroethene           | µg/kg | ND (0.34) U | ND (0.32) U | ND (0.33) U | ND (0.33) U | ND (0.33) U | ND (0.34) U | ND (0.40) U |

**TABLE D-9.1**  
**Summary of Soil Analytical Data**  
**Volatile Organic Chemicals**

| Parameter              | Units | P-9(6-8')   | S-1(0-1')   | S-1(10-12') | S-1(16-17') | S-2(0-1')   | S-2(10-12') | S-2(18-20') |
|------------------------|-------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Trichlorofluoromethane | µg/kg | ND (0.77) U | ND (0.73) U | ND (0.74) U | ND (0.75) U | ND (0.74) U | ND (0.76) U | ND (0.90) U |
| Vinyl acetate          | µg/kg | ND (0.62) U | ND (0.58) U | ND (0.59) U | ND (0.60) U | ND (0.59) U | ND (0.61) U | ND (0.72) U |
| Vinyl chloride         | µg/kg | ND (0.87) U | ND (0.82) U | ND (0.83) U | ND (0.85) U | ND (0.83) U | ND (0.85) U | ND (1.0) U  |
| Xylenes (total)        | µg/kg | ND (1.2) U  | ND (1.1) U  | ND (1.1) U  | ND (1.1) U  | ND (1.1) U  | ND (1.2) U  | ND (1.4) U  |



**TABLE D-9.2**  
**Summary of Soil Analytical Data**  
**Semivolatile Organic Chemicals**

| Parameter                    | Units | A-1(0-1')  | A-1(10-12') | A-1(16-18') | A-2(0-1')  | A-2(10-12') | A-2(19-21') | B-1(0-1')  | B-1(10-12') |
|------------------------------|-------|------------|-------------|-------------|------------|-------------|-------------|------------|-------------|
| 1,2,4-Trichlorobenzene       | µg/kg | ND (25) U  | ND (25) U   | ND (38) U   | ND (24) U  | ND (24) U   | ND (25) U   | ND (24) U  | ND (25) U   |
| 1,2-Dichlorobenzene          | µg/kg | ND (180) U | ND (180) U  | ND (270) U  | ND (180) U | ND (180) U  | ND (180) U  | ND (180) U | ND (180) U  |
| 1,3-Dichlorobenzene          | µg/kg | ND (180) U | ND (180) U  | ND (270) U  | ND (180) U | ND (180) U  | ND (180) U  | ND (180) U | ND (180) U  |
| 1,4-Dichlorobenzene          | µg/kg | ND (180) U | ND (180) U  | ND (270) U  | ND (180) U | ND (180) U  | ND (180) U  | ND (180) U | ND (180) U  |
| 2,2'-oxybis(1-Chloropropane) | µg/kg | ND (30) U  | ND (30) U   | ND (46) U   | ND (29) U  | ND (29) U   | ND (30) U   | ND (30) U  | ND (31) U   |
| 2,4,5-Trichlorophenol        | µg/kg | ND (120) U | ND (120) U  | ND (180) U  | ND (120) U | ND (120) U  | ND (120) U  | ND (120) U | ND (120) U  |
| 2,4,6-Trichlorophenol        | µg/kg | ND (92) U  | ND (91) U   | ND (140) U  | ND (89) U  | ND (89) U   | ND (92) U   | ND (90) U  | ND (93) U   |
| 2,4-Dichlorophenol           | µg/kg | ND (170) U | ND (170) U  | ND (260) U  | ND (170) U | ND (160) U  | ND (170) U  | ND (170) U | ND (170) U  |
| 2,4-Dimethylphenol           | µg/kg | ND (93) U  | ND (92) U   | ND (140) U  | ND (90) U  | ND (90) U   | ND (93) U   | ND (91) U  | ND (95) U   |
| 2,4-Dinitrophenol            | µg/kg | ND (270) U | ND (270) U  | ND (410) U  | ND (260) U | ND (260) U  | ND (270) U  | ND (260) U | ND (270) U  |
| 2,4-Dinitrotoluene           | µg/kg | ND (53) U  | ND (53) U   | ND (80) U   | ND (52) U  | ND (51) U   | ND (53) U   | ND (52) U  | ND (54) U   |
| 2,6-Dinitrotoluene           | µg/kg | ND (180) U | ND (180) U  | ND (270) U  | ND (180) U | ND (180) U  | ND (180) U  | ND (180) U | ND (180) U  |
| 2-Chloronaphthalene          | µg/kg | ND (22) U  | ND (21) U   | ND (33) U   | ND (21) U  | ND (21) U   | ND (22) U   | ND (21) U  | ND (22) U   |
| 2-Chlorophenol               | µg/kg | ND (56) U  | ND (56) U   | ND (85) U   | ND (55) U  | ND (55) U   | ND (56) U   | ND (55) U  | ND (57) U   |
| 2-Methylnaphthalene          | µg/kg | ND (33) U  | ND (32) U   | ND (49) U   | ND (32) U  | ND (32) U   | ND (32) U   | ND (32) U  | ND (33) U   |
| 2-Methylphenol               | µg/kg | ND (46) U  | ND (45) U   | ND (69) U   | ND (44) U  | ND (44) U   | ND (45) U   | ND (44) U  | ND (46) U   |
| 2-Nitroaniline               | µg/kg | ND (19) U  | ND (19) U   | ND (29) U   | ND (18) U  | ND (18) U   | ND (19) U   | ND (19) U  | ND (19) U   |
| 2-Nitrophenol                | µg/kg | ND (60) U  | ND (59) U   | ND (90) U   | ND (58) U  | ND (58) U   | ND (59) U   | ND (58) U  | ND (60) U   |
| 3,3'-Dichlorobenzidine       | µg/kg | ND (180) U | ND (180) U  | ND (270) U  | ND (180) U | ND (180) U  | ND (180) U  | ND (180) U | ND (180) U  |
| 3-Nitroaniline               | µg/kg | ND (17) U  | ND (16) U   | ND (25) U   | ND (16) U  | ND (16) U   | ND (17) U   | ND (16) U  | ND (17) U   |
| 4,6-Dinitro-2-methylphenol   | µg/kg | ND (38) U  | ND (38) U   | ND (57) U   | ND (37) U  | ND (37) U   | ND (38) U   | ND (37) U  | ND (38) U   |
| 4-Bromophenyl phenyl ether   | µg/kg | ND (51) U  | ND (50) U   | ND (77) U   | ND (49) U  | ND (49) U   | ND (51) U   | ND (50) U  | ND (52) U   |
| 4-Chloro-3-methylphenol      | µg/kg | ND (92) U  | ND (91) U   | ND (140) U  | ND (89) U  | ND (89) U   | ND (92) U   | ND (90) U  | ND (93) U   |
| 4-Chloroaniline              | µg/kg | ND (180) U | ND (180) U  | ND (270) U  | ND (180) U | ND (180) U  | ND (180) U  | ND (180) U | ND (180) U  |
| 4-Chlorophenyl phenyl ether  | µg/kg | ND (39) U  | ND (39) U   | ND (59) U   | ND (38) U  | ND (38) U   | ND (39) U   | ND (38) U  | ND (40) U   |
| 4-Methylphenol               | µg/kg | ND (69) U  | ND (69) U   | ND (100) U  | ND (67) U  | ND (67) U   | ND (69) U   | ND (68) U  | ND (70) U   |
| 4-Nitroaniline               | µg/kg | ND (23) U  | ND (22) U   | ND (34) U   | ND (22) U  | ND (22) U   | ND (22) U   | ND (22) U  | ND (23) U   |
| 4-Nitrophenol                | µg/kg | ND (70) U  | ND (69) U   | ND (110) U  | ND (68) U  | ND (68) U   | ND (69) U   | ND (68) U  | ND (71) U   |
| Acenaphthene                 | µg/kg | ND (44) U  | ND (44) U   | ND (67) U   | ND (43) U  | ND (43) U   | ND (44) U   | ND (43) U  | ND (45) U   |
| Acenaphthylene               | µg/kg | ND (33) U  | ND (32) U   | ND (49) U   | ND (32) U  | ND (32) U   | ND (32) U   | ND (32) U  | ND (33) U   |
| Anthracene                   | µg/kg | ND (59) U  | ND (58) U   | ND (89) U   | ND (57) U  | ND (57) U   | ND (58) U   | ND (57) U  | ND (59) U   |
| Benzo(a)anthracene           | µg/kg | ND (28) U  | ND (28) U   | ND (43) U   | ND (27) U  | ND (27) U   | ND (28) U   | ND (27) U  | ND (29) U   |

**TABLE D-9.2**  
**Summary of Soil Analytical Data**  
**Semivolatle Organic Chemicals**

| Parameter                  | Units | A-1(0-1')  | A-1(10-12') | A-1(16-18') | A-2(0-1')  | A-2(10-12') | A-2(19-21') | B-1(0-1')  | B-1(10-12') |
|----------------------------|-------|------------|-------------|-------------|------------|-------------|-------------|------------|-------------|
| Benzo(a)pyrene             | µg/kg | ND (43) U  | ND (43) U   | ND (66) U   | ND (42) U  | ND (42) U   | ND (43) U   | ND (42) U  | ND (44) U   |
| Benzo(b)fluoranthene       | µg/kg | ND (52) U  | ND (51) U   | ND (79) U   | ND (50) U  | ND (50) U   | ND (52) U   | ND (51) U  | ND (53) U   |
| Benzo(ghi)perylene         | µg/kg | ND (61) U  | ND (60) U   | ND (92) U   | ND (59) U  | ND (59) U   | ND (61) U   | ND (59) U  | ND (62) U   |
| Benzo(k)fluoranthene       | µg/kg | ND (62) U  | ND (61) U   | ND (93) U   | ND (60) U  | ND (60) U   | ND (62) U   | ND (60) U  | ND (63) U   |
| bis(2-Chloroethoxy)methane | µg/kg | ND (33) U  | ND (32) U   | ND (49) U   | ND (32) U  | ND (32) U   | ND (32) U   | ND (32) U  | ND (33) U   |
| bis(2-Chloroethyl) ether   | µg/kg | ND (36) U  | ND (35) U   | ND (54) U   | ND (35) U  | ND (35) U   | ND (36) U   | ND (35) U  | ND (36) U   |
| bis(2-Ethylhexyl)phthalate | µg/kg | ND (47) U  | ND (46) U   | ND (71) U   | ND (45) U  | ND (45) U   | ND (46) U   | ND (45) U  | ND (47) U   |
| Butyl benzyl phthalate     | µg/kg | ND (29) U  | ND (29) U   | ND (44) U   | ND (28) U  | ND (28) U   | ND (29) U   | ND (29) U  | ND (30) U   |
| Carbazole                  | µg/kg | ND (180) U | ND (180) U  | ND (270) U  | ND (170) U | ND (170) U  | ND (180) U  | ND (170) U | ND (180) U  |
| Chrysene                   | µg/kg | ND (73) U  | ND (72) U   | ND (110) U  | ND (70) U  | ND (70) U   | ND (72) U   | ND (71) U  | ND (74) U   |
| Dibenzo(a,h)anthracene     | µg/kg | ND (56) U  | ND (56) U   | ND (85) U   | ND (55) U  | ND (55) U   | ND (56) U   | ND (55) U  | ND (57) U   |
| Dibenzofuran               | µg/kg | ND (61) U  | ND (60) U   | ND (92) U   | ND (59) U  | ND (59) U   | ND (61) U   | ND (59) U  | ND (62) U   |
| Diethyl phthalate          | µg/kg | ND (44) U  | ND (44) U   | ND (67) U   | ND (43) U  | ND (43) U   | ND (44) U   | ND (43) U  | ND (45) U   |
| Dimethyl phthalate         | µg/kg | ND (27) U  | ND (27) U   | ND (41) U   | ND (26) U  | ND (26) U   | ND (27) U   | ND (26) U  | ND (27) U   |
| Di-n-butyl phthalate       | µg/kg | ND (67) U  | ND (66) U   | ND (100) U  | ND (65) U  | ND (65) U   | ND (67) U   | ND (66) U  | ND (68) U   |
| Di-n-octyl phthalate       | µg/kg | ND (44) U  | ND (44) U   | ND (67) U   | ND (43) U  | ND (43) U   | ND (44) U   | ND (43) U  | ND (45) U   |
| Fluoranthene               | µg/kg | ND (55) U  | ND (55) U   | ND (84) U   | ND (54) U  | ND (54) U   | ND (55) U   | ND (54) U  | ND (56) U   |
| Fluorene                   | µg/kg | ND (62) U  | ND (61) U   | ND (93) U   | ND (60) U  | ND (60) U   | ND (62) U   | ND (60) U  | ND (63) U   |
| Hexachlorobenzene          | µg/kg | ND (47) U  | ND (46) U   | ND (71) U   | ND (45) U  | ND (45) U   | ND (46) U   | ND (45) U  | ND (47) U   |
| Hexachlorobutadiene        | µg/kg | ND (43) U  | ND (43) U   | ND (66) U   | ND (42) U  | ND (42) U   | ND (43) U   | ND (42) U  | ND (44) U   |
| Hexachlorocyclopentadiene  | µg/kg | ND (33) U  | ND (33) U   | ND (51) U   | ND (32) U  | ND (32) U   | ND (33) U   | ND (33) U  | ND (34) U   |
| Hexachloroethane           | µg/kg | ND (180) U | ND (180) U  | ND (270) U  | ND (180) U | ND (180) U  | ND (180) U  | ND (180) U | ND (180) U  |
| Indeno(1,2,3-cd)pyrene     | µg/kg | ND (20) U  | ND (19) U   | ND (30) U   | ND (19) U  | ND (19) U   | ND (19) U   | ND (19) U  | ND (20) U   |
| Isophorone                 | µg/kg | ND (36) U  | ND (35) U   | ND (54) U   | ND (35) U  | ND (35) U   | ND (36) U   | ND (35) U  | ND (36) U   |
| Naphthalene                | µg/kg | ND (43) U  | ND (43) U   | ND (66) U   | ND (42) U  | ND (42) U   | ND (43) U   | ND (42) U  | ND (44) U   |
| Nitrobenzene               | µg/kg | ND (38) U  | ND (38) U   | ND (57) U   | ND (37) U  | ND (37) U   | ND (38) U   | ND (37) U  | ND (38) U   |
| N-Nitrosodi-n-propylamine  | µg/kg | ND (26) U  | ND (26) U   | ND (39) U   | ND (25) U  | ND (25) U   | ND (26) U   | ND (25) U  | ND (26) U   |
| N-Nitrosodiphenylamine     | µg/kg | ND (180) U | ND (180) U  | ND (270) U  | ND (170) U | ND (170) U  | ND (180) U  | ND (170) U | ND (180) U  |
| Pentachlorophenol          | µg/kg | ND (270) U | ND (270) U  | ND (410) U  | ND (260) U | ND (260) U  | ND (270) U  | ND (260) U | ND (270) U  |
| Phenanthrene               | µg/kg | ND (56) U  | ND (56) U   | ND (85) U   | ND (55) U  | ND (55) U   | ND (56) U   | ND (55) U  | ND (57) U   |
| Phenol                     | µg/kg | ND (64) U  | ND (63) U   | ND (97) U   | ND (62) U  | ND (62) U   | ND (64) U   | ND (62) U  | ND (65) U   |
| Pyrene                     | µg/kg | ND (63) U  | ND (62) U   | ND (95) U   | ND (61) U  | ND (61) U   | ND (63) U   | ND (61) U  | ND (64) U   |

**TABLE D-9.2**  
**Summary of Soil Analytical Data**  
**Semivolatile Organic Chemicals**

| Parameter                    | Units | B-1(19-21') | B-2(0-1')  | B-2(4-5')  | B-3(0-1')  | B-3(4-5')  | DUP 1      | DUP 2      |
|------------------------------|-------|-------------|------------|------------|------------|------------|------------|------------|
| 1,2,4-Trichlorobenzene       | µg/kg | ND (31) U   | ND (26) U  | ND (24) U  | ND (24) U  | ND (26) U  | ND (31) U  | ND (25) U  |
| 1,2-Dichlorobenzene          | µg/kg | ND (220) U  | ND (190) U | ND (180) U | ND (170) U | ND (190) U | ND (220) U | ND (180) U |
| 1,3-Dichlorobenzene          | µg/kg | ND (220) U  | ND (190) U | ND (180) U | ND (170) U | ND (190) U | ND (220) U | ND (180) U |
| 1,4-Dichlorobenzene          | µg/kg | ND (220) U  | ND (190) U | ND (180) U | ND (170) U | ND (190) U | ND (220) U | ND (180) U |
| 2,2'-oxybis(1-Chloropropane) | µg/kg | ND (37) U   | ND (32) U  | ND (29) U  | ND (29) U  | ND (32) U  | ND (38) U  | ND (30) U  |
| 2,4,5-Trichlorophenol        | µg/kg | ND (150) U  | ND (130) U | ND (120) U | ND (120) U | ND (130) U | ND (150) U | ND (120) U |
| 2,4,6-Trichlorophenol        | µg/kg | ND (110) U  | ND (96) U  | ND (89) U  | ND (89) U  | ND (96) U  | ND (110) U | ND (91) U  |
| 2,4-Dichlorophenol           | µg/kg | ND (210) U  | ND (180) U | ND (170) U | ND (160) U | ND (180) U | ND (210) U | ND (170) U |
| 2,4-Dimethylphenol           | µg/kg | ND (110) U  | ND (98) U  | ND (90) U  | ND (90) U  | ND (97) U  | ND (120) U | ND (92) U  |
| 2,4-Dinitrophenol            | µg/kg | ND (330) U  | ND (280) U | ND (260) U | ND (260) U | ND (280) U | ND (340) U | ND (270) U |
| 2,4-Dinitrotoluene           | µg/kg | ND (65) U   | ND (56) U  | ND (52) U  | ND (51) U  | ND (55) U  | ND (66) U  | ND (53) U  |
| 2,6-Dinitrotoluene           | µg/kg | ND (220) U  | ND (190) U | ND (180) U | ND (170) U | ND (190) U | ND (220) U | ND (180) U |
| 2-Chloronaphthalene          | µg/kg | ND (27) U   | ND (23) U  | ND (21) U  | ND (21) U  | ND (23) U  | ND (27) U  | ND (21) U  |
| 2-Chlorophenol               | µg/kg | ND (69) U   | ND (59) U  | ND (55) U  | ND (54) U  | ND (59) U  | ND (70) U  | ND (56) U  |
| 2-Methylnaphthalene          | µg/kg | ND (40) U   | ND (34) U  | ND (32) U  | ND (31) U  | ND (34) U  | ND (40) U  | ND (32) U  |
| 2-Methylphenol               | µg/kg | ND (56) U   | ND (48) U  | ND (44) U  | ND (44) U  | ND (47) U  | ND (56) U  | ND (45) U  |
| 2-Nitroaniline               | µg/kg | ND (23) U   | ND (20) U  | ND (18) U  | ND (18) U  | ND (20) U  | ND (24) U  | ND (19) U  |
| 2-Nitrophenol                | µg/kg | ND (73) U   | ND (62) U  | ND (58) U  | ND (57) U  | ND (62) U  | ND (74) U  | ND (59) U  |
| 3,3'-Dichlorobenzidine       | µg/kg | ND (220) U  | ND (190) U | ND (180) U | ND (170) U | ND (190) U | ND (220) U | ND (180) U |
| 3-Nitroaniline               | µg/kg | ND (21) U   | ND (17) U  | ND (16) U  | ND (16) U  | ND (17) U  | ND (21) U  | ND (17) U  |
| 4,6-Dinitro-2-methylphenol   | µg/kg | ND (47) U   | ND (40) U  | ND (37) U  | ND (37) U  | ND (40) U  | ND (47) U  | ND (38) U  |
| 4-Bromophenyl phenyl ether   | µg/kg | ND (63) U   | ND (53) U  | ND (49) U  | ND (49) U  | ND (53) U  | ND (63) U  | ND (50) U  |
| 4-Chloro-3-methylphenol      | µg/kg | ND (110) U  | ND (96) U  | ND (89) U  | ND (89) U  | ND (96) U  | ND (110) U | ND (91) U  |
| 4-Chloroaniline              | µg/kg | ND (220) U  | ND (190) U | ND (180) U | ND (170) U | ND (190) U | ND (220) U | ND (180) U |
| 4-Chlorophenyl phenyl ether  | µg/kg | ND (48) U   | ND (41) U  | ND (38) U  | ND (38) U  | ND (41) U  | ND (48) U  | ND (39) U  |
| 4-Methylphenol               | µg/kg | ND (85) U   | ND (73) U  | ND (67) U  | ND (67) U  | ND (72) U  | ND (86) U  | ND (69) U  |
| 4-Nitroaniline               | µg/kg | ND (28) U   | ND (24) U  | ND (22) U  | ND (22) U  | ND (24) U  | ND (28) U  | ND (22) U  |
| 4-Nitrophenol                | µg/kg | ND (86) U   | ND (73) U  | ND (68) U  | ND (67) U  | ND (73) U  | ND (86) U  | ND (69) U  |
| Acenaphthene                 | µg/kg | ND (55) U   | ND (46) U  | ND (43) U  | ND (43) U  | ND (46) U  | ND (55) U  | ND (44) U  |
| Acenaphthylene               | µg/kg | ND (40) U   | ND (34) U  | ND (32) U  | ND (31) U  | ND (34) U  | ND (40) U  | ND (32) U  |
| Anthracene                   | µg/kg | ND (72) U   | ND (61) U  | ND (57) U  | ND (56) U  | ND (61) U  | ND (72) U  | ND (58) U  |
| Benzo(a)anthracene           | µg/kg | ND (35) U   | ND (29) U  | ND (27) U  | ND (27) U  | ND (29) U  | ND (35) U  | ND (28) U  |

**TABLE D-9.2**  
**Summary of Soil Analytical Data**  
**Semivolatile Organic Chemicals**

| Parameter                  | Units | B-1(19-21') | B-2(0-1')  | B-2(4-5')  | B-3(0-1')  | B-3(4-5')  | DUP 1      | DUP 2      |
|----------------------------|-------|-------------|------------|------------|------------|------------|------------|------------|
| Benzo(a)pyrene             | µg/kg | ND (53) U   | ND (45) U  | ND (42) U  | ND (42) U  | ND (45) U  | ND (54) U  | ND (43) U  |
| Benzo(b)fluoranthene       | µg/kg | ND (64) U   | ND (54) U  | ND (50) U  | ND (50) U  | ND (54) U  | ND (64) U  | ND (52) U  |
| Benzo(ghi)perylene         | µg/kg | ND (75) U   | ND (63) U  | ND (59) U  | ND (58) U  | ND (63) U  | ND (75) U  | ND (60) U  |
| Benzo(k)fluoranthene       | µg/kg | ND (76) U   | ND (65) U  | ND (60) U  | ND (59) U  | ND (64) U  | ND (76) U  | ND (61) U  |
| bis(2-Chloroethoxy)methane | µg/kg | ND (40) U   | ND (34) U  | ND (32) U  | ND (31) U  | ND (34) U  | ND (40) U  | ND (32) U  |
| bis(2-Chloroethyl) ether   | µg/kg | ND (44) U   | ND (37) U  | ND (35) U  | ND (34) U  | ND (37) U  | ND (44) U  | ND (35) U  |
| bis(2-Ethylhexyl)phthalate | µg/kg | ND (57) U   | ND (49) U  | ND (45) U  | ND (45) U  | ND (49) U  | ND (58) U  | ND (46) U  |
| Butyl benzyl phthalate     | µg/kg | ND (36) U   | ND (31) U  | ND (28) U  | ND (28) U  | ND (31) U  | ND (36) U  | ND (29) U  |
| Carbazole                  | µg/kg | ND (220) U  | ND (190) U | ND (170) U | ND (170) U | ND (190) U | ND (220) U | ND (180) U |
| Chrysene                   | µg/kg | ND (89) U   | ND (76) U  | ND (70) U  | ND (70) U  | ND (76) U  | ND (90) U  | ND (72) U  |
| Dibenzo(a,h)anthracene     | µg/kg | ND (69) U   | ND (59) U  | ND (55) U  | ND (54) U  | ND (59) U  | ND (70) U  | ND (56) U  |
| Dibenzofuran               | µg/kg | ND (75) U   | ND (63) U  | ND (59) U  | ND (58) U  | ND (63) U  | ND (75) U  | ND (60) U  |
| Diethyl phthalate          | µg/kg | ND (55) U   | ND (46) U  | ND (43) U  | ND (43) U  | ND (46) U  | ND (55) U  | ND (44) U  |
| Dimethyl phthalate         | µg/kg | ND (33) U   | ND (28) U  | ND (26) U  | ND (26) U  | ND (28) U  | ND (34) U  | ND (27) U  |
| Di-n-butyl phthalate       | µg/kg | ND (83) U   | ND (70) U  | ND (65) U  | ND (65) U  | ND (70) U  | ND (83) U  | ND (67) U  |
| Di-n-octyl phthalate       | µg/kg | ND (55) U   | ND (46) U  | ND (43) U  | ND (43) U  | ND (46) U  | ND (55) U  | ND (44) U  |
| Fluoranthene               | µg/kg | ND (68) U   | ND (58) U  | ND (54) U  | ND (53) U  | ND (58) U  | ND (68) U  | ND (55) U  |
| Fluorene                   | µg/kg | ND (76) U   | ND (65) U  | ND (60) U  | ND (59) U  | ND (64) U  | ND (76) U  | ND (61) U  |
| Hexachlorobenzene          | µg/kg | ND (57) U   | ND (49) U  | ND (45) U  | ND (45) U  | ND (49) U  | ND (58) U  | ND (46) U  |
| Hexachlorobutadiene        | µg/kg | ND (53) U   | ND (45) U  | ND (42) U  | ND (42) U  | ND (45) U  | ND (54) U  | ND (43) U  |
| Hexachlorocyclopentadiene  | µg/kg | ND (41) U   | ND (35) U  | ND (32) U  | ND (32) U  | ND (35) U  | ND (41) U  | ND (33) U  |
| Hexachloroethane           | µg/kg | ND (220) U  | ND (190) U | ND (180) U | ND (170) U | ND (190) U | ND (220) U | ND (180) U |
| Indeno(1,2,3-cd)pyrene     | µg/kg | ND (24) U   | ND (20) U  | ND (19) U  | ND (19) U  | ND (20) U  | ND (24) U  | ND (19) U  |
| Isophorone                 | µg/kg | ND (44) U   | ND (37) U  | ND (35) U  | ND (34) U  | ND (37) U  | ND (44) U  | ND (35) U  |
| Naphthalene                | µg/kg | ND (53) U   | ND (45) U  | ND (42) U  | ND (42) U  | ND (45) U  | ND (54) U  | ND (43) U  |
| Nitrobenzene               | µg/kg | ND (47) U   | ND (40) U  | ND (37) U  | ND (37) U  | ND (40) U  | ND (47) U  | ND (38) U  |
| N-Nitrosodi-n-propylamine  | µg/kg | ND (32) U   | ND (27) U  | ND (25) U  | ND (25) U  | ND (27) U  | ND (32) U  | ND (26) U  |
| N-Nitrosodiphenylamine     | µg/kg | ND (220) U  | ND (190) U | ND (170) U | ND (170) U | ND (190) U | ND (220) U | ND (180) U |
| Pentachlorophenol          | µg/kg | ND (330) U  | ND (280) U | ND (260) U | ND (260) U | ND (280) U | ND (340) U | ND (270) U |
| Phenanthrene               | µg/kg | ND (69) U   | ND (59) U  | ND (55) U  | ND (54) U  | ND (59) U  | ND (70) U  | ND (56) U  |
| Phenol                     | µg/kg | ND (79) U   | ND (67) U  | ND (62) U  | ND (62) U  | ND (67) U  | ND (79) U  | ND (63) U  |
| Pyrene                     | µg/kg | ND (77) U   | ND (66) U  | ND (61) U  | ND (61) U  | ND (66) U  | ND (78) U  | ND (62) U  |

**TABLE D-9.2**  
**Summary of Soil Analytical Data**  
**Semivolatiles Organic Chemicals**

| Parameter                    | Units | DUP 3      | E-1(0-1')  | E-1(4-5')  | E-2(0-1')  | E-2(4-5')  | E-2(6-8')  | P-1(0-1')  | P-1(10-12') |
|------------------------------|-------|------------|------------|------------|------------|------------|------------|------------|-------------|
| 1,2,4-Trichlorobenzene       | µg/kg | ND (24) U  | ND (24) U  | ND (24) U  | ND (24) U  | ND (24) U  | ND (27) U  | ND (24) U  | ND (25) U   |
| 1,2-Dichlorobenzene          | µg/kg | ND (170) U | ND (180) U | ND (180) U | ND (170) U | ND (170) U | ND (190) U | ND (170) U | ND (180) U  |
| 1,3-Dichlorobenzene          | µg/kg | ND (170) U | ND (180) U | ND (180) U | ND (170) U | ND (170) U | ND (190) U | ND (170) U | ND (180) U  |
| 1,4-Dichlorobenzene          | µg/kg | ND (170) U | ND (180) U | ND (180) U | ND (170) U | ND (170) U | ND (190) U | ND (170) U | ND (180) U  |
| 2,2'-oxybis(1-Chloropropane) | µg/kg | ND (29) U  | ND (30) U  | ND (30) U  | ND (29) U  | ND (29) U  | ND (33) U  | ND (29) U  | ND (30) U   |
| 2,4,5-Trichlorophenol        | µg/kg | ND (120) U | ND (120) U | ND (120) U | ND (120) U | ND (120) U | ND (130) U | ND (120) U | ND (120) U  |
| 2,4,6-Trichlorophenol        | µg/kg | ND (89) U  | ND (90) U  | ND (88) U  | ND (89) U  | ND (89) U  | ND (99) U  | ND (88) U  | ND (91) U   |
| 2,4-Dichlorophenol           | µg/kg | ND (160) U | ND (170) U | ND (160) U | ND (160) U | ND (160) U | ND (180) U | ND (160) U | ND (170) U  |
| 2,4-Dimethylphenol           | µg/kg | ND (90) U  | ND (91) U  | ND (90) U  | ND (90) U  | ND (90) U  | ND (100) U | ND (89) U  | ND (92) U   |
| 2,4-Dinitrophenol            | µg/kg | ND (260) U | ND (270) U | ND (260) U | ND (260) U | ND (260) U | ND (290) U | ND (260) U | ND (270) U  |
| 2,4-Dinitrotoluene           | µg/kg | ND (51) U  | ND (52) U  | ND (51) U  | ND (51) U  | ND (51) U  | ND (57) U  | ND (51) U  | ND (52) U   |
| 2,6-Dinitrotoluene           | µg/kg | ND (170) U | ND (180) U | ND (170) U | ND (170) U | ND (170) U | ND (190) U | ND (170) U | ND (180) U  |
| 2-Chloronaphthalene          | µg/kg | ND (21) U  | ND (21) U  | ND (21) U  | ND (21) U  | ND (21) U  | ND (23) U  | ND (21) U  | ND (21) U   |
| 2-Chlorophenol               | µg/kg | ND (54) U  | ND (55) U  | ND (54) U  | ND (54) U  | ND (54) U  | ND (60) U  | ND (54) U  | ND (55) U   |
| 2-Methylnaphthalene          | µg/kg | ND (31) U  | ND (32) U  | ND (31) U  | ND (31) U  | ND (31) U  | ND (35) U  | ND (31) U  | ND (32) U   |
| 2-Methylphenol               | µg/kg | ND (44) U  | ND (45) U  | ND (44) U  | ND (44) U  | ND (44) U  | ND (49) U  | ND (43) U  | ND (45) U   |
| 2-Nitroaniline               | µg/kg | ND (18) U  | ND (19) U  | ND (18) U  | ND (18) U  | ND (18) U  | ND (20) U  | ND (18) U  | ND (19) U   |
| 2-Nitrophenol                | µg/kg | ND (58) U  | ND (58) U  | ND (57) U  | ND (57) U  | ND (57) U  | ND (64) U  | ND (57) U  | ND (59) U   |
| 3,3'-Dichlorobenzidine       | µg/kg | ND (170) U | ND (180) U | ND (170) U | ND (170) U | ND (170) U | ND (190) U | ND (170) U | ND (180) U  |
| 3-Nitroaniline               | µg/kg | ND (16) U  | ND (16) U  | ND (16) U  | ND (16) U  | ND (16) U  | ND (18) U  | ND (16) U  | ND (16) U   |
| 4,6-Dinitro-2-methylphenol   | µg/kg | ND (37) U  | ND (37) U  | ND (36) U  | ND (36) U  | ND (37) U  | ND (41) U  | ND (36) U  | ND (37) U   |
| 4-Bromophenyl phenyl ether   | µg/kg | ND (49) U  | ND (50) U  | ND (49) U  | ND (49) U  | ND (49) U  | ND (55) U  | ND (48) U  | ND (50) U   |
| 4-Chloro-3-methylphenol      | µg/kg | ND (89) U  | ND (90) U  | ND (88) U  | ND (89) U  | ND (89) U  | ND (99) U  | ND (88) U  | ND (91) U   |
| 4-Chloroaniline              | µg/kg | ND (170) U | ND (180) U | ND (170) U | ND (170) U | ND (170) U | ND (190) U | ND (170) U | ND (180) U  |
| 4-Chlorophenyl phenyl ether  | µg/kg | ND (38) U  | ND (38) U  | ND (37) U  | ND (37) U  | ND (38) U  | ND (42) U  | ND (37) U  | ND (38) U   |
| 4-Methylphenol               | µg/kg | ND (67) U  | ND (68) U  | ND (67) U  | ND (67) U  | ND (67) U  | ND (74) U  | ND (66) U  | ND (68) U   |
| 4-Nitroaniline               | µg/kg | ND (22) U  | ND (22) U  | ND (22) U  | ND (22) U  | ND (22) U  | ND (24) U  | ND (21) U  | ND (22) U   |
| 4-Nitrophenol                | µg/kg | ND (67) U  | ND (68) U  | ND (67) U  | ND (67) U  | ND (67) U  | ND (75) U  | ND (66) U  | ND (69) U   |
| Acenaphthene                 | µg/kg | ND (43) U  | ND (44) U  | ND (43) U  | ND (43) U  | ND (43) U  | ND (48) U  | ND (42) U  | ND (44) U   |
| Acenaphthylene               | µg/kg | ND (31) U  | ND (32) U  | ND (31) U  | ND (31) U  | ND (31) U  | ND (35) U  | ND (31) U  | ND (32) U   |
| Anthracene                   | µg/kg | ND (57) U  | ND (57) U  | ND (56) U  | ND (56) U  | ND (56) U  | ND (63) U  | ND (56) U  | ND (58) U   |
| Benzo(a)anthracene           | µg/kg | ND (27) U  | ND (28) U  | ND (27) U  | ND (27) U  | ND (27) U  | ND (30) U  | ND (27) U  | ND (28) U   |

**TABLE D-9.2**  
**Summary of Soil Analytical Data**  
**Semivolatle Organic Chemicals**

| Parameter                  | Units | DUP 3      | E-1(0-1')  | E-1(4-5')  | E-2(0-1')  | E-2(4-5')  | E-2(6-8')  | P-1(0-1')  | P-1(10-12') |
|----------------------------|-------|------------|------------|------------|------------|------------|------------|------------|-------------|
| Benzo(a)pyrene             | µg/kg | ND (42) U  | ND (42) U  | ND (42) U  | ND (42) U  | ND (42) U  | ND (46) U  | ND (41) U  | ND (43) U   |
| Benzo(b)fluoranthene       | µg/kg | ND (50) U  | ND (51) U  | ND (50) U  | ND (50) U  | ND (50) U  | ND (56) U  | ND (50) U  | ND (51) U   |
| Benzo(ghi)perylene         | µg/kg | ND (59) U  | ND (59) U  | ND (58) U  | ND (58) U  | ND (58) U  | ND (65) U  | ND (58) U  | ND (60) U   |
| Benzo(k)fluoranthene       | µg/kg | ND (60) U  | ND (61) U  | ND (60) U  | ND (59) U  | ND (59) U  | ND (66) U  | ND (59) U  | ND (61) U   |
| bis(2-Chloroethoxy)methane | µg/kg | ND (31) U  | ND (32) U  | ND (31) U  | ND (31) U  | ND (31) U  | ND (35) U  | ND (31) U  | ND (32) U   |
| bis(2-Chloroethyl) ether   | µg/kg | ND (35) U  | ND (35) U  | ND (34) U  | ND (34) U  | ND (34) U  | ND (38) U  | ND (34) U  | ND (35) U   |
| bis(2-Ethylhexyl)phthalate | µg/kg | ND (45) U  | ND (46) U  | ND (45) U  | ND (45) U  | ND (45) U  | ND (50) U  | ND (44) U  | ND (46) U   |
| Butyl benzyl phthalate     | µg/kg | ND (28) U  | ND (29) U  | ND (28) U  | ND (28) U  | ND (28) U  | ND (31) U  | ND (28) U  | ND (29) U   |
| Carbazole                  | µg/kg | ND (170) U | ND (180) U | ND (170) U | ND (170) U | ND (170) U | ND (190) U | ND (170) U | ND (180) U  |
| Chrysene                   | µg/kg | ND (70) U  | ND (71) U  | ND (70) U  | ND (70) U  | ND (70) U  | ND (78) U  | ND (69) U  | ND (71) U   |
| Dibenzo(a,h)anthracene     | µg/kg | ND (54) U  | ND (55) U  | ND (54) U  | ND (54) U  | ND (54) U  | ND (60) U  | ND (54) U  | ND (55) U   |
| Dibenzofuran               | µg/kg | ND (59) U  | ND (59) U  | ND (58) U  | ND (58) U  | ND (58) U  | ND (65) U  | ND (58) U  | ND (60) U   |
| Diethyl phthalate          | µg/kg | ND (43) U  | ND (44) U  | ND (43) U  | ND (43) U  | ND (43) U  | ND (48) U  | ND (42) U  | ND (44) U   |
| Dimethyl phthalate         | µg/kg | ND (26) U  | ND (27) U  | ND (26) U  | ND (26) U  | ND (26) U  | ND (29) U  | ND (26) U  | ND (27) U   |
| Di-n-butyl phthalate       | µg/kg | ND (65) U  | ND (66) U  | ND (65) U  | ND (65) U  | ND (65) U  | ND (72) U  | ND (64) U  | ND (66) U   |
| Di-n-octyl phthalate       | µg/kg | ND (43) U  | ND (44) U  | ND (43) U  | ND (43) U  | ND (43) U  | ND (48) U  | ND (42) U  | ND (44) U   |
| Fluoranthene               | µg/kg | ND (53) U  | ND (54) U  | ND (53) U  | ND (53) U  | ND (53) U  | ND (59) U  | ND (53) U  | ND (54) U   |
| Fluorene                   | µg/kg | ND (60) U  | ND (61) U  | ND (60) U  | ND (60) U  | ND (60) U  | ND (66) U  | ND (59) U  | ND (61) U   |
| Hexachlorobenzene          | µg/kg | ND (45) U  | ND (46) U  | ND (45) U  | ND (45) U  | ND (45) U  | ND (50) U  | ND (44) U  | ND (46) U   |
| Hexachlorobutadiene        | µg/kg | ND (42) U  | ND (42) U  | ND (42) U  | ND (42) U  | ND (42) U  | ND (46) U  | ND (41) U  | ND (43) U   |
| Hexachlorocyclopentadiene  | µg/kg | ND (32) U  | ND (33) U  | ND (32) U  | ND (32) U  | ND (32) U  | ND (36) U  | ND (32) U  | ND (33) U   |
| Hexachloroethane           | µg/kg | ND (170) U | ND (180) U | ND (170) U | ND (170) U | ND (170) U | ND (190) U | ND (170) U | ND (180) U  |
| Indeno(1,2,3-cd)pyrene     | µg/kg | ND (19) U  | ND (19) U  | ND (19) U  | ND (19) U  | ND (19) U  | ND (21) U  | ND (19) U  | ND (19) U   |
| Isophorone                 | µg/kg | ND (35) U  | ND (35) U  | ND (35) U  | ND (35) U  | ND (34) U  | ND (38) U  | ND (34) U  | ND (35) U   |
| Naphthalene                | µg/kg | ND (42) U  | ND (42) U  | ND (42) U  | ND (42) U  | ND (42) U  | ND (46) U  | ND (41) U  | ND (43) U   |
| Nitrobenzene               | µg/kg | ND (37) U  | ND (37) U  | ND (36) U  | ND (37) U  | ND (37) U  | ND (41) U  | ND (36) U  | ND (37) U   |
| N-Nitrosodi-n-propylamine  | µg/kg | ND (25) U  | ND (25) U  | ND (25) U  | ND (25) U  | ND (25) U  | ND (28) U  | ND (25) U  | ND (26) U   |
| N-Nitrosodiphenylamine     | µg/kg | ND (170) U | ND (180) U | ND (170) U | ND (170) U | ND (170) U | ND (190) U | ND (170) U | ND (180) U  |
| Pentachlorophenol          | µg/kg | ND (260) U | ND (270) U | ND (260) U | ND (260) U | ND (260) U | ND (290) U | ND (260) U | ND (270) U  |
| Phenanthrene               | µg/kg | ND (54) U  | ND (55) U  | ND (54) U  | ND (54) U  | ND (54) U  | ND (60) U  | ND (54) U  | ND (55) U   |
| Phenol                     | µg/kg | ND (62) U  | ND (63) U  | ND (62) U  | ND (62) U  | ND (62) U  | ND (69) U  | ND (61) U  | ND (63) U   |
| Pyrene                     | µg/kg | ND (61) U  | ND (62) U  | ND (60) U  | ND (60) U  | ND (60) U  | ND (67) U  | ND (60) U  | ND (62) U   |

**TABLE D-9.2**  
**Summary of Soil Analytical Data**  
**Semivolatile Organic Chemicals**

| Parameter                    | Units | P-1(18-20') | P-10(0-1') | P-10(10-11') | P-10(12-12_5') | P-10(16_5-17_5') | P-11(0-1') | P-11(15-17') |
|------------------------------|-------|-------------|------------|--------------|----------------|------------------|------------|--------------|
| 1,2,4-Trichlorobenzene       | µg/kg | ND (25) U   | ND (24) U  | ND (25) U    |                | ND (25) U        | ND (24) U  | ND (26) U    |
| 1,2-Dichlorobenzene          | µg/kg | ND (180) U  | ND (180) U | ND (180) U   |                | ND (180) U       | ND (170) U | ND (190) U   |
| 1,3-Dichlorobenzene          | µg/kg | ND (180) U  | ND (180) U | ND (180) U   |                | ND (180) U       | ND (170) U | ND (190) U   |
| 1,4-Dichlorobenzene          | µg/kg | ND (180) U  | ND (180) U | ND (180) U   |                | ND (180) U       | ND (170) U | ND (190) U   |
| 2,2'-oxybis(1-Chloropropane) | µg/kg | ND (31) U   | ND (29) U  | ND (30) U    |                | ND (31) U        | ND (29) U  | ND (31) U    |
| 2,4,5-Trichlorophenol        | µg/kg | ND (120) U  | ND (120) U | ND (120) U   |                | ND (120) U       | ND (110) U | ND (120) U   |
| 2,4,6-Trichlorophenol        | µg/kg | ND (93) U   | ND (89) U  | ND (92) U    |                | ND (94) U        | ND (87) U  | ND (95) U    |
| 2,4-Dichlorophenol           | µg/kg | ND (170) U  | ND (160) U | ND (170) U   |                | ND (170) U       | ND (160) U | ND (170) U   |
| 2,4-Dimethylphenol           | µg/kg | ND (94) U   | ND (90) U  | ND (93) U    |                | ND (95) U        | ND (88) U  | ND (96) U    |
| 2,4-Dinitrophenol            | µg/kg | ND (270) U  | ND (260) U | ND (270) U   |                | ND (280) U       | ND (260) U | ND (280) U   |
| 2,4-Dinitrotoluene           | µg/kg | ND (53) U   | ND (51) U  | ND (53) U    |                | ND (54) U        | ND (50) U  | ND (54) U    |
| 2,6-Dinitrotoluene           | µg/kg | ND (180) U  | ND (180) U | ND (180) U   |                | ND (180) U       | ND (170) U | ND (190) U   |
| 2-Chloronaphthalene          | µg/kg | ND (22) U   | ND (21) U  | ND (22) U    |                | ND (22) U        | ND (21) U  | ND (22) U    |
| 2-Chlorophenol               | µg/kg | ND (57) U   | ND (55) U  | ND (56) U    |                | ND (57) U        | ND (53) U  | ND (58) U    |
| 2-Methylnaphthalene          | µg/kg | ND (33) U   | ND (31) U  | ND (32) U    |                | ND (33) U        | ND (31) U  | ND (33) U    |
| 2-Methylphenol               | µg/kg | ND (46) U   | ND (44) U  | ND (45) U    |                | ND (46) U        | ND (43) U  | ND (47) U    |
| 2-Nitroaniline               | µg/kg | ND (19) U   | ND (18) U  | ND (19) U    |                | ND (19) U        | ND (18) U  | ND (20) U    |
| 2-Nitrophenol                | µg/kg | ND (60) U   | ND (58) U  | ND (59) U    |                | ND (61) U        | ND (56) U  | ND (61) U    |
| 3,3'-Dichlorobenzidine       | µg/kg | ND (180) U  | ND (180) U | ND (180) U   |                | ND (180) U       | ND (170) U | ND (190) U   |
| 3-Nitroaniline               | µg/kg | ND (17) U   | ND (16) U  | ND (17) U    |                | ND (17) U        | ND (16) U  | ND (17) U    |
| 4,6-Dinitro-2-methylphenol   | µg/kg | ND (38) U   | ND (37) U  | ND (38) U    |                | ND (39) U        | ND (36) U  | ND (39) U    |
| 4-Bromophenyl phenyl ether   | µg/kg | ND (51) U   | ND (49) U  | ND (51) U    |                | ND (52) U        | ND (48) U  | ND (52) U    |
| 4-Chloro-3-methylphenol      | µg/kg | ND (93) U   | ND (89) U  | ND (92) U    |                | ND (94) U        | ND (87) U  | ND (95) U    |
| 4-Chloroaniline              | µg/kg | ND (180) U  | ND (180) U | ND (180) U   |                | ND (180) U       | ND (170) U | ND (190) U   |
| 4-Chlorophenyl phenyl ether  | µg/kg | ND (39) U   | ND (38) U  | ND (39) U    |                | ND (40) U        | ND (37) U  | ND (40) U    |
| 4-Methylphenol               | µg/kg | ND (70) U   | ND (67) U  | ND (69) U    |                | ND (70) U        | ND (66) U  | ND (71) U    |
| 4-Nitroaniline               | µg/kg | ND (23) U   | ND (22) U  | ND (22) U    |                | ND (23) U        | ND (21) U  | ND (23) U    |
| 4-Nitrophenol                | µg/kg | ND (70) U   | ND (67) U  | ND (69) U    |                | ND (71) U        | ND (66) U  | ND (72) U    |
| Acenaphthene                 | µg/kg | ND (45) U   | ND (43) U  | ND (44) U    |                | ND (45) U        | ND (42) U  | ND (46) U    |
| Acenaphthylene               | µg/kg | ND (33) U   | ND (31) U  | ND (32) U    |                | ND (33) U        | ND (31) U  | ND (33) U    |
| Anthracene                   | µg/kg | ND (59) U   | ND (57) U  | ND (58) U    |                | ND (59) U        | ND (55) U  | ND (60) U    |
| Benzo(a)anthracene           | µg/kg | ND (28) U   | ND (27) U  | ND (28) U    |                | ND (29) U        | ND (27) U  | ND (29) U    |

**TABLE D-9.2**  
**Summary of Soil Analytical Data**  
**Semivolatle Organic Chemicals**

| Parameter                  | Units | P-1(18-20) | P-10(0-1') | P-10(10-11') | P-10(12-12_5') | P-10(16 5-17 5') | P-11(0-1') | P-11(15-17') |
|----------------------------|-------|------------|------------|--------------|----------------|------------------|------------|--------------|
| Benzo(a)pyrene             | µg/kg | ND (44) U  | ND (42) U  | ND (43) U    |                | ND (44) U        | ND (41) U  | ND (44) U    |
| Benzo(b)fluoranthene       | µg/kg | ND (52) U  | ND (50) U  | ND (52) U    |                | ND (53) U        | ND (49) U  | ND (53) U    |
| Benzo(ghi)perylene         | µg/kg | ND (61) U  | ND (59) U  | ND (60) U    |                | ND (62) U        | ND (57) U  | ND (62) U    |
| Benzo(k)fluoranthene       | µg/kg | ND (62) U  | ND (60) U  | ND (62) U    |                | ND (63) U        | ND (58) U  | ND (63) U    |
| bis(2-Chloroethoxy)methane | µg/kg | ND (33) U  | ND (31) U  | ND (32) U    |                | ND (33) U        | ND (31) U  | ND (33) U    |
| bis(2-Chloroethyl) ether   | µg/kg | ND (36) U  | ND (35) U  | ND (36) U    |                | ND (36) U        | ND (34) U  | ND (37) U    |
| bis(2-Ethylhexyl)phthalate | µg/kg | ND (47) U  | ND (45) U  | ND (46) U    |                | ND (47) U        | ND (44) U  | ND (48) U    |
| Butyl benzyl phthalate     | µg/kg | ND (29) U  | ND (28) U  | ND (29) U    |                | ND (30) U        | ND (28) U  | ND (30) U    |
| Carbazole                  | µg/kg | ND (180) U | ND (170) U | ND (180) U   |                | ND (180) U       | ND (170) U | ND (180) U   |
| Chrysene                   | µg/kg | ND (73) U  | ND (70) U  | ND (72) U    |                | ND (74) U        | ND (69) U  | ND (75) U    |
| Dibenzo(a,h)anthracene     | µg/kg | ND (57) U  | ND (55) U  | ND (56) U    |                | ND (57) U        | ND (53) U  | ND (58) U    |
| Dibenzofuran               | µg/kg | ND (61) U  | ND (59) U  | ND (60) U    |                | ND (62) U        | ND (57) U  | ND (62) U    |
| Diethyl phthalate          | µg/kg | ND (45) U  | ND (43) U  | ND (44) U    |                | ND (45) U        | ND (42) U  | ND (46) U    |
| Dimethyl phthalate         | µg/kg | ND (27) U  | ND (26) U  | ND (27) U    |                | ND (28) U        | ND (26) U  | ND (28) U    |
| Di-n-butyl phthalate       | µg/kg | ND (68) U  | 130 J      | ND (67) U    |                | ND (68) U        | ND (64) U  | ND (69) U    |
| Di-n-octyl phthalate       | µg/kg | ND (45) U  | ND (43) U  | ND (44) U    |                | ND (45) U        | ND (42) U  | ND (46) U    |
| Fluoranthene               | µg/kg | ND (56) U  | ND (53) U  | ND (55) U    |                | ND (56) U        | ND (52) U  | ND (57) U    |
| Fluorene                   | µg/kg | ND (62) U  | ND (60) U  | ND (62) U    |                | ND (63) U        | ND (58) U  | ND (63) U    |
| Hexachlorobenzene          | µg/kg | ND (47) U  | ND (45) U  | ND (46) U    |                | ND (47) U        | ND (44) U  | ND (48) U    |
| Hexachlorobutadiene        | µg/kg | ND (44) U  | ND (42) U  | ND (43) U    |                | ND (44) U        | ND (41) U  | ND (44) U    |
| Hexachlorocyclopentadiene  | µg/kg | ND (34) U  | ND (32) U  | ND (33) U    |                | ND (34) U        | ND (32) U  | ND (34) U    |
| Hexachloroethane           | µg/kg | ND (180) U | ND (180) U | ND (180) U   |                | ND (180) U       | ND (170) U | ND (190) U   |
| Indeno(1,2,3-cd)pyrene     | µg/kg | ND (20) U  | ND (19) U  | ND (19) U    |                | ND (20) U        | ND (18) U  | ND (20) U    |
| Isophorone                 | µg/kg | ND (36) U  | ND (35) U  | ND (36) U    |                | ND (36) U        | ND (34) U  | ND (37) U    |
| Naphthalene                | µg/kg | ND (44) U  | ND (42) U  | ND (43) U    |                | ND (44) U        | ND (41) U  | ND (44) U    |
| Nitrobenzene               | µg/kg | ND (38) U  | ND (37) U  | ND (38) U    |                | ND (39) U        | ND (36) U  | ND (39) U    |
| N-Nitrosodi-n-propylamine  | µg/kg | ND (26) U  | ND (25) U  | ND (26) U    |                | ND (26) U        | ND (25) U  | ND (27) U    |
| N-Nitrosodiphenylamine     | µg/kg | ND (180) U | ND (170) U | ND (180) U   |                | ND (180) U       | ND (170) U | ND (180) U   |
| Pentachlorophenol          | µg/kg | ND (270) U | ND (260) U | ND (270) U   |                | ND (280) U       | ND (260) U | ND (280) U   |
| Phenanthrene               | µg/kg | ND (57) U  | ND (55) U  | ND (56) U    |                | ND (57) U        | ND (53) U  | ND (58) U    |
| Phenol                     | µg/kg | ND (64) U  | 120 J      | ND (64) U    |                | ND (65) U        | ND (61) U  | ND (66) U    |
| Pyrene                     | µg/kg | ND (63) U  | ND (61) U  | ND (63) U    |                | ND (64) U        | ND (59) U  | ND (64) U    |



**TABLE D-9.2**  
**Summary of Soil Analytical Data**  
**Semivolatle Organic Chemicals**

| Parameter                    | Units | P-11(4-5') | P-12(0-1') | P-12(15-17') | P-12(4-5') | P-13(0-1') | P-13(4-5') | P-14(0-1') | P-14(4-5') |
|------------------------------|-------|------------|------------|--------------|------------|------------|------------|------------|------------|
| 1,2,4-Trichlorobenzene       | µg/kg | ND (24) U  | ND (25) U  | ND (25) U    | ND (23) U  | ND (25) U  | ND (25) U  | ND (24) U  | ND (26) U  |
| 1,2-Dichlorobenzene          | µg/kg | ND (170) U | ND (180) U | ND (180) U   | ND (170) U | ND (180) U | ND (180) U | ND (180) U | ND (190) U |
| 1,3-Dichlorobenzene          | µg/kg | ND (170) U | ND (180) U | ND (180) U   | ND (170) U | ND (180) U | ND (180) U | ND (180) U | ND (190) U |
| 1,4-Dichlorobenzene          | µg/kg | ND (170) U | ND (180) U | ND (180) U   | ND (170) U | ND (180) U | ND (180) U | ND (180) U | ND (190) U |
| 2,2'-oxybis(1-Chloropropane) | µg/kg | ND (29) U  | ND (30) U  | ND (31) U    | ND (29) U  | ND (31) U  | ND (30) U  | ND (30) U  | ND (31) U  |
| 2,4,5-Trichlorophenol        | µg/kg | ND (120) U | ND (120) U | ND (120) U   | ND (110) U | ND (120) U | ND (120) U | ND (120) U | ND (120) U |
| 2,4,6-Trichlorophenol        | µg/kg | ND (89) U  | ND (91) U  | ND (93) U    | ND (87) U  | ND (93) U  | ND (91) U  | ND (90) U  | ND (95) U  |
| 2,4-Dichlorophenol           | µg/kg | ND (160) U | ND (170) U | ND (170) U   | ND (160) U | ND (170) U | ND (170) U | ND (170) U | ND (180) U |
| 2,4-Dimethylphenol           | µg/kg | ND (90) U  | ND (92) U  | ND (94) U    | ND (88) U  | ND (94) U  | ND (92) U  | ND (91) U  | ND (96) U  |
| 2,4-Dinitrophenol            | µg/kg | ND (260) U | ND (270) U | ND (270) U   | ND (250) U | ND (270) U | ND (270) U | ND (260) U | ND (280) U |
| 2,4-Dinitrotoluene           | µg/kg | ND (51) U  | ND (52) U  | ND (54) U    | ND (50) U  | ND (54) U  | ND (52) U  | ND (52) U  | ND (55) U  |
| 2,6-Dinitrotoluene           | µg/kg | ND (170) U | ND (180) U | ND (180) U   | ND (170) U | ND (180) U | ND (180) U | ND (180) U | ND (190) U |
| 2-Chloronaphthalene          | µg/kg | ND (21) U  | ND (21) U  | ND (22) U    | ND (20) U  | ND (22) U  | ND (21) U  | ND (21) U  | ND (22) U  |
| 2-Chlorophenol               | µg/kg | ND (54) U  | ND (55) U  | ND (57) U    | ND (53) U  | ND (57) U  | ND (55) U  | ND (55) U  | ND (58) U  |
| 2-Methylnaphthalene          | µg/kg | ND (31) U  | ND (32) U  | ND (33) U    | ND (31) U  | ND (33) U  | ND (32) U  | ND (32) U  | ND (33) U  |
| 2-Methylphenol               | µg/kg | ND (44) U  | ND (45) U  | ND (46) U    | ND (43) U  | ND (46) U  | ND (45) U  | ND (44) U  | ND (47) U  |
| 2-Nitroaniline               | µg/kg | ND (18) U  | ND (19) U  | ND (19) U    | ND (18) U  | ND (19) U  | ND (19) U  | ND (19) U  | ND (20) U  |
| 2-Nitrophenol                | µg/kg | ND (57) U  | ND (59) U  | ND (60) U    | ND (56) U  | ND (60) U  | ND (59) U  | ND (58) U  | ND (61) U  |
| 3,3'-Dichlorobenzidine       | µg/kg | ND (170) U | ND (180) U | ND (180) U   | ND (170) U | ND (180) U | ND (180) U | ND (180) U | ND (190) U |
| 3-Nitroaniline               | µg/kg | ND (16) U  | ND (16) U  | ND (17) U    | ND (16) U  | ND (17) U  | ND (16) U  | ND (16) U  | ND (17) U  |
| 4,6-Dinitro-2-methylphenol   | µg/kg | ND (37) U  | ND (37) U  | ND (38) U    | ND (36) U  | ND (38) U  | ND (37) U  | ND (37) U  | ND (39) U  |
| 4-Bromophenyl phenyl ether   | µg/kg | ND (49) U  | ND (50) U  | ND (51) U    | ND (48) U  | ND (51) U  | ND (50) U  | ND (50) U  | ND (52) U  |
| 4-Chloro-3-methylphenol      | µg/kg | ND (89) U  | ND (91) U  | ND (93) U    | ND (87) U  | ND (93) U  | ND (91) U  | ND (90) U  | ND (95) U  |
| 4-Chloroaniline              | µg/kg | ND (170) U | ND (180) U | ND (180) U   | ND (170) U | ND (180) U | ND (180) U | ND (180) U | ND (190) U |
| 4-Chlorophenyl phenyl ether  | µg/kg | ND (38) U  | ND (38) U  | ND (39) U    | ND (37) U  | ND (39) U  | ND (38) U  | ND (38) U  | ND (40) U  |
| 4-Methylphenol               | µg/kg | ND (67) U  | ND (68) U  | ND (70) U    | ND (65) U  | ND (70) U  | ND (68) U  | ND (68) U  | ND (71) U  |
| 4-Nitroaniline               | µg/kg | ND (22) U  | ND (22) U  | ND (23) U    | ND (21) U  | ND (23) U  | ND (22) U  | ND (22) U  | ND (23) U  |
| 4-Nitrophenol                | µg/kg | ND (67) U  | ND (69) U  | ND (70) U    | ND (66) U  | ND (70) U  | ND (69) U  | ND (68) U  | ND (72) U  |
| Acenaphthene                 | µg/kg | ND (43) U  | ND (44) U  | ND (45) U    | ND (42) U  | ND (45) U  | ND (44) U  | ND (43) U  | ND (46) U  |
| Acenaphthylene               | µg/kg | ND (31) U  | ND (32) U  | ND (33) U    | ND (31) U  | ND (33) U  | ND (32) U  | ND (32) U  | ND (33) U  |
| Anthracene                   | µg/kg | ND (56) U  | ND (58) U  | ND (59) U    | ND (55) U  | ND (59) U  | ND (58) U  | ND (57) U  | ND (60) U  |
| Benzo(a)anthracene           | µg/kg | ND (27) U  | ND (28) U  | ND (28) U    | ND (27) U  | ND (28) U  | ND (28) U  | ND (27) U  | ND (29) U  |

**TABLE D-9.2**  
**Summary of Soil Analytical Data**  
**Semivolatle Organic Chemicals**

| Parameter                  | Units | P-11(4-5)  | P-12(0-1') | P-12(15-17') | P-12(4-5)  | P-13(0-1') | P-13(4-5)  | P-14(0-1') | P-14(4-5)  |
|----------------------------|-------|------------|------------|--------------|------------|------------|------------|------------|------------|
| Benzo(a)pyrene             | µg/kg | ND (42) U  | ND (43) U  | ND (44) U    | ND (41) U  | ND (44) U  | ND (43) U  | ND (42) U  | ND (45) U  |
| Benzo(b)fluoranthene       | µg/kg | ND (50) U  | ND (51) U  | ND (52) U    | ND (49) U  | ND (53) U  | ND (51) U  | ND (51) U  | ND (54) U  |
| Benzo(ghi)perylene         | µg/kg | ND (58) U  | ND (60) U  | ND (61) U    | ND (57) U  | ND (61) U  | ND (60) U  | ND (59) U  | ND (62) U  |
| Benzo(k)fluoranthene       | µg/kg | ND (59) U  | ND (61) U  | ND (62) U    | ND (58) U  | ND (62) U  | ND (61) U  | ND (60) U  | ND (64) U  |
| bis(2-Chloroethoxy)methane | µg/kg | ND (31) U  | ND (32) U  | ND (33) U    | ND (31) U  | ND (33) U  | ND (32) U  | ND (32) U  | ND (33) U  |
| bis(2-Chloroethyl) ether   | µg/kg | ND (34) U  | ND (35) U  | ND (36) U    | ND (34) U  | ND (36) U  | ND (35) U  | ND (35) U  | ND (37) U  |
| bis(2-Ethylhexyl)phthalate | µg/kg | ND (45) U  | ND (46) U  | ND (47) U    | ND (44) U  | ND (47) U  | ND (46) U  | ND (45) U  | ND (48) U  |
| Butyl benzyl phthalate     | µg/kg | ND (28) U  | ND (29) U  | ND (29) U    | ND (28) U  | ND (30) U  | ND (29) U  | ND (29) U  | ND (30) U  |
| Carbazole                  | µg/kg | ND (170) U | ND (180) U | ND (180) U   | ND (170) U | ND (180) U | ND (180) U | ND (170) U | ND (180) U |
| Chrysene                   | µg/kg | ND (70) U  | ND (72) U  | ND (73) U    | ND (68) U  | ND (73) U  | ND (71) U  | ND (71) U  | ND (75) U  |
| Dibenzo(a,h)anthracene     | µg/kg | ND (54) U  | ND (55) U  | ND (57) U    | ND (53) U  | ND (57) U  | ND (55) U  | ND (55) U  | ND (58) U  |
| Dibenzofuran               | µg/kg | ND (58) U  | ND (60) U  | ND (61) U    | ND (57) U  | ND (61) U  | ND (60) U  | ND (59) U  | ND (62) U  |
| Diethyl phthalate          | µg/kg | ND (43) U  | ND (44) U  | ND (45) U    | ND (42) U  | ND (45) U  | ND (44) U  | ND (43) U  | ND (46) U  |
| Dimethyl phthalate         | µg/kg | ND (26) U  | ND (27) U  | ND (27) U    | ND (25) U  | ND (27) U  | ND (27) U  | ND (26) U  | ND (28) U  |
| Di-n-butyl phthalate       | µg/kg | ND (65) U  | ND (66) U  | ND (68) U    | ND (63) U  | ND (68) U  | ND (66) U  | ND (66) U  | ND (69) U  |
| Di-n-octyl phthalate       | µg/kg | ND (43) U  | ND (44) U  | ND (45) U    | ND (42) U  | ND (45) U  | ND (44) U  | ND (43) U  | ND (46) U  |
| Fluoranthene               | µg/kg | ND (53) U  | ND (54) U  | ND (56) U    | ND (52) U  | ND (56) U  | ND (54) U  | ND (54) U  | ND (57) U  |
| Fluorene                   | µg/kg | ND (59) U  | ND (61) U  | ND (62) U    | ND (58) U  | ND (62) U  | ND (61) U  | ND (60) U  | ND (64) U  |
| Hexachlorobenzene          | µg/kg | ND (45) U  | ND (46) U  | ND (47) U    | ND (44) U  | ND (47) U  | ND (46) U  | ND (45) U  | ND (48) U  |
| Hexachlorobutadiene        | µg/kg | ND (42) U  | ND (43) U  | ND (44) U    | ND (41) U  | ND (44) U  | ND (43) U  | ND (42) U  | ND (45) U  |
| Hexachlorocyclopentadiene  | µg/kg | ND (32) U  | ND (33) U  | ND (34) U    | ND (31) U  | ND (34) U  | ND (33) U  | ND (33) U  | ND (34) U  |
| Hexachloroethane           | µg/kg | ND (170) U | ND (180) U | ND (180) U   | ND (170) U | ND (180) U | ND (180) U | ND (180) U | ND (190) U |
| Indeno(1,2,3-cd)pyrene     | µg/kg | ND (19) U  | ND (19) U  | ND (20) U    | ND (18) U  | ND (20) U  | ND (19) U  | ND (19) U  | ND (20) U  |
| Isophorone                 | µg/kg | ND (34) U  | ND (35) U  | ND (36) U    | ND (34) U  | ND (36) U  | ND (35) U  | ND (35) U  | ND (37) U  |
| Naphthalene                | µg/kg | ND (42) U  | ND (43) U  | ND (44) U    | ND (41) U  | ND (44) U  | ND (43) U  | ND (42) U  | ND (45) U  |
| Nitrobenzene               | µg/kg | ND (37) U  | ND (37) U  | ND (38) U    | ND (36) U  | ND (38) U  | ND (37) U  | ND (37) U  | ND (39) U  |
| N-Nitrosodi-n-propylamine  | µg/kg | ND (25) U  | ND (26) U  | ND (26) U    | ND (24) U  | ND (26) U  | ND (26) U  | ND (25) U  | ND (27) U  |
| N-Nitrosodiphenylamine     | µg/kg | ND (170) U | ND (180) U | ND (180) U   | ND (170) U | ND (180) U | ND (180) U | ND (170) U | ND (180) U |
| Pentachlorophenol          | µg/kg | ND (260) U | ND (270) U | ND (270) U   | ND (250) U | ND (270) U | ND (270) U | ND (260) U | ND (280) U |
| Phenanthrene               | µg/kg | ND (54) U  | ND (55) U  | ND (57) U    | ND (53) U  | ND (57) U  | ND (55) U  | ND (55) U  | ND (58) U  |
| Phenol                     | µg/kg | ND (62) U  | ND (63) U  | ND (64) U    | ND (60) U  | ND (65) U  | ND (63) U  | ND (62) U  | ND (66) U  |
| Pyrene                     | µg/kg | ND (60) U  | ND (62) U  | ND (63) U    | ND (59) U  | ND (64) U  | ND (62) U  | ND (61) U  | ND (65) U  |

**TABLE D-9.2**  
**Summary of Soil Analytical Data**  
**Semivolatle Organic Chemicals**

| Parameter                    | Units | P-15(0-1') | P-15(4-5') | P-16(0-1') | P-16(4-5') | P-17(0-1') | P-17(4-5') | P-17(6-8') | P-2(0-1')  |
|------------------------------|-------|------------|------------|------------|------------|------------|------------|------------|------------|
| 1,2,4-Trichlorobenzene       | µg/kg | ND (25) U  | ND (26) U  | ND (25) U  | ND (25) U  | ND (24) U  | ND (26) U  | ND (26) U  | ND (24) U  |
| 1,2-Dichlorobenzene          | µg/kg | ND (180) U | ND (190) U | ND (180) U | ND (180) U | ND (180) U | ND (190) U | ND (190) U | ND (170) U |
| 1,3-Dichlorobenzene          | µg/kg | ND (180) U | ND (190) U | ND (180) U | ND (180) U | ND (180) U | ND (190) U | ND (190) U | ND (170) U |
| 1,4-Dichlorobenzene          | µg/kg | ND (180) U | ND (190) U | ND (180) U | ND (180) U | ND (180) U | ND (190) U | ND (190) U | ND (170) U |
| 2,2'-oxybis(1-Chloropropane) | µg/kg | ND (30) U  | ND (32) U  | ND (30) U  | ND (30) U  | ND (29) U  | ND (32) U  | ND (31) U  | ND (29) U  |
| 2,4,5-Trichlorophenol        | µg/kg | ND (120) U | ND (130) U | ND (120) U | ND (120) U | ND (120) U | ND (130) U | ND (120) U | ND (120) U |
| 2,4,6-Trichlorophenol        | µg/kg | ND (93) U  | ND (97) U  | ND (92) U  | ND (91) U  | ND (89) U  | ND (97) U  | ND (94) U  | ND (89) U  |
| 2,4-Dichlorophenol           | µg/kg | ND (170) U | ND (180) U | ND (170) U | ND (170) U | ND (160) U | ND (180) U | ND (170) U | ND (160) U |
| 2,4-Dimethylphenol           | µg/kg | ND (94) U  | ND (98) U  | ND (93) U  | ND (92) U  | ND (90) U  | ND (99) U  | ND (96) U  | ND (90) U  |
| 2,4-Dinitrophenol            | µg/kg | ND (270) U | ND (280) U | ND (270) U | ND (270) U | ND (260) U | ND (290) U | ND (280) U | ND (260) U |
| 2,4-Dinitrotoluene           | µg/kg | ND (53) U  | ND (56) U  | ND (53) U  | ND (53) U  | ND (51) U  | ND (56) U  | ND (54) U  | ND (51) U  |
| 2,6-Dinitrotoluene           | µg/kg | ND (180) U | ND (190) U | ND (180) U | ND (180) U | ND (180) U | ND (190) U | ND (190) U | ND (170) U |
| 2-Chloronaphthalene          | µg/kg | ND (22) U  | ND (23) U  | ND (22) U  | ND (21) U  | ND (21) U  | ND (23) U  | ND (22) U  | ND (21) U  |
| 2-Chlorophenol               | µg/kg | ND (57) U  | ND (59) U  | ND (56) U  | ND (56) U  | ND (55) U  | ND (60) U  | ND (58) U  | ND (54) U  |
| 2-Methylnaphthalene          | µg/kg | ND (33) U  | ND (34) U  | ND (32) U  | ND (32) U  | ND (31) U  | ND (34) U  | ND (33) U  | ND (31) U  |
| 2-Methylphenol               | µg/kg | ND (46) U  | ND (48) U  | ND (45) U  | ND (45) U  | ND (44) U  | ND (48) U  | ND (47) U  | ND (44) U  |
| 2-Nitroaniline               | µg/kg | ND (19) U  | ND (20) U  | ND (19) U  | ND (19) U  | ND (18) U  | ND (20) U  | ND (20) U  | ND (18) U  |
| 2-Nitrophenol                | µg/kg | ND (60) U  | ND (63) U  | ND (60) U  | ND (59) U  | ND (58) U  | ND (63) U  | ND (61) U  | ND (57) U  |
| 3,3'-Dichlorobenzidine       | µg/kg | ND (180) U | ND (190) U | ND (180) U | ND (180) U | ND (180) U | ND (190) U | ND (190) U | ND (170) U |
| 3-Nitroaniline               | µg/kg | ND (17) U  | ND (17) U  | ND (17) U  | ND (17) U  | ND (16) U  | ND (18) U  | ND (17) U  | ND (16) U  |
| 4,6-Dinitro-2-methylphenol   | µg/kg | ND (38) U  | ND (40) U  | ND (38) U  | ND (38) U  | ND (37) U  | ND (40) U  | ND (39) U  | ND (37) U  |
| 4-Bromophenyl phenyl ether   | µg/kg | ND (51) U  | ND (53) U  | ND (51) U  | ND (50) U  | ND (49) U  | ND (54) U  | ND (52) U  | ND (49) U  |
| 4-Chloro-3-methylphenol      | µg/kg | ND (93) U  | ND (97) U  | ND (92) U  | ND (91) U  | ND (89) U  | ND (97) U  | ND (94) U  | ND (89) U  |
| 4-Chloroaniline              | µg/kg | ND (180) U | ND (190) U | ND (180) U | ND (180) U | ND (180) U | ND (190) U | ND (190) U | ND (170) U |
| 4-Chlorophenyl phenyl ether  | µg/kg | ND (39) U  | ND (41) U  | ND (39) U  | ND (39) U  | ND (38) U  | ND (41) U  | ND (40) U  | ND (38) U  |
| 4-Methylphenol               | µg/kg | ND (70) U  | ND (73) U  | ND (69) U  | ND (69) U  | ND (67) U  | ND (73) U  | ND (71) U  | ND (67) U  |
| 4-Nitroaniline               | µg/kg | ND (23) U  | ND (24) U  | ND (23) U  | ND (22) U  | ND (22) U  | ND (24) U  | ND (23) U  | ND (22) U  |
| 4-Nitrophenol                | µg/kg | ND (70) U  | ND (73) U  | ND (70) U  | ND (69) U  | ND (67) U  | ND (74) U  | ND (71) U  | ND (67) U  |
| Acenaphthene                 | µg/kg | ND (45) U  | ND (47) U  | ND (44) U  | ND (44) U  | ND (43) U  | ND (47) U  | ND (46) U  | ND (43) U  |
| Acenaphthylene               | µg/kg | ND (33) U  | ND (34) U  | ND (32) U  | ND (32) U  | ND (31) U  | ND (34) U  | ND (33) U  | ND (31) U  |
| Anthracene                   | µg/kg | ND (59) U  | ND (61) U  | ND (58) U  | ND (58) U  | ND (57) U  | ND (62) U  | ND (60) U  | ND (56) U  |
| Benzo(a)anthracene           | µg/kg | ND (28) U  | ND (30) U  | ND (28) U  | ND (28) U  | ND (27) U  | ND (30) U  | ND (29) U  | ND (27) U  |

TABLE D-9.2

Summary of Soil Analytical Data  
Semivolatile Organic Chemicals

| Parameter                  | Units | P-15(0-1') | P-15(4-5') | P-16(0-1') | P-16(4-5') | P-17(0-1') | P-17(4-5') | P-17(6-8') | P-2(0-1')  |
|----------------------------|-------|------------|------------|------------|------------|------------|------------|------------|------------|
| Benzo(a)pyrene             | µg/kg | ND (44) U  | ND (45) U  | ND (43) U  | ND (43) U  | ND (42) U  | ND (46) U  | ND (44) U  | ND (42) U  |
| Benzo(b)fluoranthene       | µg/kg | ND (52) U  | ND (55) U  | ND (52) U  | ND (52) U  | ND (50) U  | ND (55) U  | ND (53) U  | ND (50) U  |
| Benzo(g,h,i)perylene       | µg/kg | ND (61) U  | ND (64) U  | ND (61) U  | ND (60) U  | ND (59) U  | ND (64) U  | ND (62) U  | ND (58) U  |
| Benzo(k)fluoranthene       | µg/kg | ND (62) U  | ND (65) U  | ND (62) U  | ND (61) U  | ND (60) U  | ND (65) U  | ND (63) U  | ND (59) U  |
| bis(2-Chloroethoxy)methane | µg/kg | ND (33) U  | ND (34) U  | ND (32) U  | ND (32) U  | ND (31) U  | ND (34) U  | ND (33) U  | ND (31) U  |
| bis(2-Chloroethyl) ether   | µg/kg | ND (36) U  | ND (38) U  | ND (36) U  | ND (35) U  | ND (35) U  | ND (38) U  | ND (37) U  | ND (34) U  |
| bis(2-Ethylhexyl)phthalate | µg/kg | ND (47) U  | ND (49) U  | ND (47) U  | ND (46) U  | ND (45) U  | ND (49) U  | ND (48) U  | ND (45) U  |
| Butyl benzyl phthalate     | µg/kg | ND (29) U  | ND (31) U  | ND (29) U  | ND (29) U  | ND (28) U  | ND (31) U  | ND (30) U  | ND (28) U  |
| Carbazole                  | µg/kg | ND (180) U | ND (190) U | ND (180) U | ND (180) U | ND (170) U | ND (190) U | ND (180) U | ND (170) U |
| Chrysene                   | µg/kg | ND (73) U  | ND (76) U  | ND (73) U  | ND (72) U  | ND (70) U  | ND (77) U  | ND (74) U  | ND (70) U  |
| Dibenzo(a,h)anthracene     | µg/kg | ND (57) U  | ND (59) U  | ND (56) U  | ND (56) U  | ND (55) U  | ND (60) U  | ND (58) U  | ND (54) U  |
| Dibenzofuran               | µg/kg | ND (61) U  | ND (64) U  | ND (61) U  | ND (60) U  | ND (59) U  | ND (64) U  | ND (62) U  | ND (58) U  |
| Diethyl phthalate          | µg/kg | ND (45) U  | ND (47) U  | ND (44) U  | ND (44) U  | ND (43) U  | ND (47) U  | ND (46) U  | ND (43) U  |
| Dimethyl phthalate         | µg/kg | ND (27) U  | ND (28) U  | ND (27) U  | ND (27) U  | ND (26) U  | ND (29) U  | ND (28) U  | ND (26) U  |
| Di-n-butyl phthalate       | µg/kg | ND (67) U  | ND (70) U  | ND (67) U  | ND (67) U  | ND (65) U  | ND (71) U  | ND (69) U  | ND (65) U  |
| Di-n-octyl phthalate       | µg/kg | ND (45) U  | ND (47) U  | ND (44) U  | ND (44) U  | ND (43) U  | ND (47) U  | ND (46) U  | ND (43) U  |
| Fluoranthene               | µg/kg | ND (56) U  | ND (58) U  | ND (55) U  | ND (55) U  | ND (53) U  | ND (58) U  | ND (57) U  | ND (53) U  |
| Fluorene                   | µg/kg | ND (62) U  | ND (65) U  | ND (62) U  | ND (61) U  | ND (60) U  | ND (65) U  | ND (63) U  | ND (59) U  |
| Hexachlorobenzene          | µg/kg | ND (47) U  | ND (49) U  | ND (47) U  | ND (46) U  | ND (45) U  | ND (49) U  | ND (48) U  | ND (45) U  |
| Hexachlorobutadiene        | µg/kg | ND (44) U  | ND (45) U  | ND (43) U  | ND (43) U  | ND (42) U  | ND (46) U  | ND (44) U  | ND (42) U  |
| Hexachlorocyclopentadiene  | µg/kg | ND (34) U  | ND (35) U  | ND (33) U  | ND (33) U  | ND (32) U  | ND (35) U  | ND (34) U  | ND (32) U  |
| Hexachloroethane           | µg/kg | ND (180) U | ND (190) U | ND (180) U | ND (180) U | ND (180) U | ND (190) U | ND (190) U | ND (170) U |
| Indeno(1,2,3-cd)pyrene     | µg/kg | ND (20) U  | ND (20) U  | ND (19) U  | ND (19) U  | ND (19) U  | ND (21) U  | ND (20) U  | ND (19) U  |
| Isophorone                 | µg/kg | ND (36) U  | ND (38) U  | ND (36) U  | ND (35) U  | ND (35) U  | ND (38) U  | ND (37) U  | ND (34) U  |
| Naphthalene                | µg/kg | ND (44) U  | ND (45) U  | ND (43) U  | ND (43) U  | ND (42) U  | ND (46) U  | ND (44) U  | ND (42) U  |
| Nitrobenzene               | µg/kg | ND (38) U  | ND (40) U  | ND (38) U  | ND (38) U  | ND (37) U  | ND (40) U  | ND (39) U  | ND (37) U  |
| N-Nitrosodi-n-propylamine  | µg/kg | ND (26) U  | ND (27) U  | ND (26) U  | ND (26) U  | ND (25) U  | ND (28) U  | ND (27) U  | ND (25) U  |
| N-Nitrosodiphenylamine     | µg/kg | ND (180) U | ND (190) U | ND (180) U | ND (180) U | ND (170) U | ND (190) U | ND (180) U | ND (170) U |
| Pentachlorophenol          | µg/kg | ND (270) U | ND (280) U | ND (270) U | ND (270) U | ND (260) U | ND (290) U | ND (280) U | ND (260) U |
| Phenanthrene               | µg/kg | ND (57) U  | ND (59) U  | ND (56) U  | ND (56) U  | ND (55) U  | ND (60) U  | ND (58) U  | ND (54) U  |
| Phenol                     | µg/kg | ND (64) U  | ND (67) U  | ND (64) U  | ND (63) U  | ND (62) U  | ND (68) U  | ND (66) U  | ND (62) U  |
| Pyrene                     | µg/kg | ND (63) U  | ND (66) U  | ND (63) U  | ND (62) U  | ND (61) U  | ND (66) U  | ND (64) U  | ND (61) U  |

**TABLE D-9.2**  
**Summary of Soil Analytical Data**  
**Semivolatile Organic Chemicals**

| Parameter                    | Units | P-2(10-12') | P-2(16-18') | P-3(0-1')  | P-3(10-12') | P-3(18-20') | P-4(0-1')  | P-4(10-12') | P-4(20-22') |
|------------------------------|-------|-------------|-------------|------------|-------------|-------------|------------|-------------|-------------|
| 1,2,4-Trichlorobenzene       | µg/kg | ND (25) U   | ND (25) U   | ND (24) U  | ND (24) U   | ND (25) U   | ND (24) U  | ND (24) U   | ND (25) U   |
| 1,2-Dichlorobenzene          | µg/kg | ND (180) U  | ND (180) U  | ND (180) U | ND (180) U  | ND (180) U  | ND (170) U | ND (180) U  | ND (180) U  |
| 1,3-Dichlorobenzene          | µg/kg | ND (180) U  | ND (180) U  | ND (180) U | ND (180) U  | ND (180) U  | ND (170) U | ND (180) U  | ND (180) U  |
| 1,4-Dichlorobenzene          | µg/kg | ND (180) U  | ND (180) U  | ND (180) U | ND (180) U  | ND (180) U  | ND (170) U | ND (180) U  | ND (180) U  |
| 2,2'-oxybis(1-Chloropropane) | µg/kg | ND (31) U   | ND (30) U   | ND (30) U  | ND (30) U   | ND (31) U   | ND (29) U  | ND (29) U   | ND (31) U   |
| 2,4,5-Trichlorophenol        | µg/kg | ND (120) U  | ND (120) U  | ND (120) U | ND (120) U  | ND (120) U  | ND (120) U | ND (120) U  | ND (120) U  |
| 2,4,6-Trichlorophenol        | µg/kg | ND (93) U   | ND (92) U   | ND (90) U  | ND (90) U   | ND (93) U   | ND (87) U  | ND (89) U   | ND (93) U   |
| 2,4-Dichlorophenol           | µg/kg | ND (170) U  | ND (170) U  | ND (170) U | ND (170) U  | ND (170) U  | ND (160) U | ND (170) U  | ND (170) U  |
| 2,4-Dimethylphenol           | µg/kg | ND (94) U   | ND (93) U   | ND (91) U  | ND (91) U   | ND (94) U   | ND (89) U  | ND (91) U   | ND (94) U   |
| 2,4-Dinitrophenol            | µg/kg | ND (270) U  | ND (270) U  | ND (260) U | ND (270) U  | ND (270) U  | ND (260) U | ND (260) U  | ND (270) U  |
| 2,4-Dinitrotoluene           | µg/kg | ND (54) U   | ND (53) U   | ND (52) U  | ND (52) U   | ND (54) U   | ND (50) U  | ND (52) U   | ND (54) U   |
| 2,6-Dinitrotoluene           | µg/kg | ND (180) U  | ND (180) U  | ND (180) U | ND (180) U  | ND (180) U  | ND (170) U | ND (180) U  | ND (180) U  |
| 2-Chloronaphthalene          | µg/kg | ND (22) U   | ND (22) U   | ND (21) U  | ND (21) U   | ND (22) U   | ND (21) U  | ND (21) U   | ND (22) U   |
| 2-Chlorophenol               | µg/kg | ND (57) U   | ND (56) U   | ND (55) U  | ND (55) U   | ND (57) U   | ND (54) U  | ND (55) U   | ND (57) U   |
| 2-Methylnaphthalene          | µg/kg | ND (33) U   | ND (33) U   | ND (32) U  | ND (32) U   | ND (33) U   | ND (31) U  | ND (32) U   | ND (33) U   |
| 2-Methylphenol               | µg/kg | ND (46) U   | ND (46) U   | ND (44) U  | ND (45) U   | ND (46) U   | ND (43) U  | ND (44) U   | ND (46) U   |
| 2-Nitroaniline               | µg/kg | ND (19) U   | ND (19) U   | ND (19) U  | ND (19) U   | ND (19) U   | ND (18) U  | ND (19) U   | ND (19) U   |
| 2-Nitrophenol                | µg/kg | ND (60) U   | ND (60) U   | ND (58) U  | ND (59) U   | ND (60) U   | ND (57) U  | ND (58) U   | ND (60) U   |
| 3,3'-Dichlorobenzidine       | µg/kg | ND (180) U  | ND (180) U  | ND (180) U | ND (180) U  | ND (180) U  | ND (170) U | ND (180) U  | ND (180) U  |
| 3-Nitroaniline               | µg/kg | ND (17) U   | ND (17) U   | ND (16) U  | ND (16) U   | ND (17) U   | ND (16) U  | ND (16) U   | ND (17) U   |
| 4,6-Dinitro-2-methylphenol   | µg/kg | ND (38) U   | ND (38) U   | ND (37) U  | ND (37) U   | ND (38) U   | ND (36) U  | ND (37) U   | ND (38) U   |
| 4-Bromophenyl phenyl ether   | µg/kg | ND (52) U   | ND (51) U   | ND (50) U  | ND (50) U   | ND (51) U   | ND (48) U  | ND (49) U   | ND (51) U   |
| 4-Chloro-3-methylphenol      | µg/kg | ND (93) U   | ND (92) U   | ND (90) U  | ND (90) U   | ND (93) U   | ND (87) U  | ND (89) U   | ND (93) U   |
| 4-Chloroaniline              | µg/kg | ND (180) U  | ND (180) U  | ND (180) U | ND (180) U  | ND (180) U  | ND (170) U | ND (180) U  | ND (180) U  |
| 4-Chlorophenyl phenyl ether  | µg/kg | ND (40) U   | ND (39) U   | ND (38) U  | ND (38) U   | ND (39) U   | ND (37) U  | ND (38) U   | ND (39) U   |
| 4-Methylphenol               | µg/kg | ND (70) U   | ND (69) U   | ND (68) U  | ND (68) U   | ND (70) U   | ND (66) U  | ND (67) U   | ND (70) U   |
| 4-Nitroaniline               | µg/kg | ND (23) U   | ND (23) U   | ND (22) U  | ND (22) U   | ND (23) U   | ND (21) U  | ND (22) U   | ND (23) U   |
| 4-Nitrophenol                | µg/kg | ND (71) U   | ND (70) U   | ND (68) U  | ND (68) U   | ND (70) U   | ND (66) U  | ND (68) U   | ND (70) U   |
| Acenaphthene                 | µg/kg | ND (45) U   | ND (45) U   | ND (43) U  | ND (44) U   | ND (45) U   | ND (42) U  | ND (43) U   | ND (45) U   |
| Acenaphthylene               | µg/kg | ND (33) U   | ND (33) U   | ND (32) U  | ND (32) U   | ND (33) U   | ND (31) U  | ND (32) U   | ND (33) U   |
| Anthracene                   | µg/kg | ND (59) U   | ND (59) U   | ND (57) U  | ND (57) U   | ND (59) U   | ND (56) U  | ND (57) U   | ND (59) U   |
| Benzo(a)anthracene           | µg/kg | ND (29) U   | ND (28) U   | ND (28) U  | ND (28) U   | ND (28) U   | ND (27) U  | ND (27) U   | ND (28) U   |

**TABLE D-9.2**  
**Summary of Soil Analytical Data**  
**Semivolatile Organic Chemicals**

| Parameter                  | Units | P-2(10-12') | P-2(16-18') | P-3(0-1')  | P-3(10-12') | P-3(18-20') | P-4(0-1')  | P-4(10-12') | P-4(20-22') |
|----------------------------|-------|-------------|-------------|------------|-------------|-------------|------------|-------------|-------------|
| Benzo(a)pyrene             | µg/kg | ND (44) U   | ND (43) U   | ND (42) U  | ND (43) U   | ND (44) U   | ND (41) U  | ND (42) U   | ND (44) U   |
| Benzo(b)fluoranthene       | µg/kg | ND (53) U   | ND (52) U   | ND (51) U  | ND (51) U   | ND (52) U   | ND (49) U  | ND (51) U   | ND (52) U   |
| Benzo(g,h,i)perylene       | µg/kg | ND (62) U   | ND (61) U   | ND (59) U  | ND (60) U   | ND (61) U   | ND (58) U  | ND (59) U   | ND (61) U   |
| Benzo(k)fluoranthene       | µg/kg | ND (63) U   | ND (62) U   | ND (60) U  | ND (61) U   | ND (62) U   | ND (59) U  | ND (60) U   | ND (62) U   |
| bis(2-Chloroethoxy)methane | µg/kg | ND (33) U   | ND (33) U   | ND (32) U  | ND (32) U   | ND (33) U   | ND (31) U  | ND (32) U   | ND (33) U   |
| bis(2-Chloroethyl) ether   | µg/kg | ND (36) U   | ND (36) U   | ND (35) U  | ND (35) U   | ND (36) U   | ND (34) U  | ND (35) U   | ND (36) U   |
| bis(2-Ethylhexyl)phthalate | µg/kg | ND (47) U   | ND (47) U   | ND (46) U  | ND (46) U   | ND (47) U   | ND (44) U  | ND (45) U   | ND (47) U   |
| Butyl benzyl phthalate     | µg/kg | ND (30) U   | ND (29) U   | ND (29) U  | ND (29) U   | ND (29) U   | ND (28) U  | ND (28) U   | ND (30) U   |
| Carbazole                  | µg/kg | ND (180) U  | ND (180) U  | ND (170) U | ND (180) U  | ND (180) U  | ND (170) U | ND (170) U  | ND (180) U  |
| Chrysene                   | µg/kg | ND (74) U   | ND (73) U   | ND (71) U  | ND (71) U   | ND (73) U   | ND (69) U  | ND (71) U   | ND (73) U   |
| Dibenzo(a,h)anthracene     | µg/kg | ND (57) U   | ND (56) U   | ND (55) U  | ND (55) U   | ND (57) U   | ND (54) U  | ND (55) U   | ND (57) U   |
| Dibenzofuran               | µg/kg | ND (62) U   | ND (61) U   | ND (59) U  | ND (60) U   | ND (61) U   | ND (58) U  | ND (59) U   | ND (61) U   |
| Diethyl phthalate          | µg/kg | ND (45) U   | ND (45) U   | ND (43) U  | ND (44) U   | ND (45) U   | ND (42) U  | ND (43) U   | ND (45) U   |
| Dimethyl phthalate         | µg/kg | ND (27) U   | ND (27) U   | ND (26) U  | ND (27) U   | ND (27) U   | ND (26) U  | ND (26) U   | ND (27) U   |
| Di-n-butyl phthalate       | µg/kg | ND (68) U   | ND (67) U   | ND (66) U  | ND (66) U   | ND (68) U   | ND (64) U  | ND (65) U   | ND (68) U   |
| Di-n-octyl phthalate       | µg/kg | ND (45) U   | ND (45) U   | ND (43) U  | ND (44) U   | ND (45) U   | ND (42) U  | ND (43) U   | ND (45) U   |
| Fluoranthene               | µg/kg | ND (56) U   | ND (55) U   | ND (54) U  | ND (54) U   | ND (56) U   | ND (52) U  | ND (54) U   | ND (56) U   |
| Fluorene                   | µg/kg | ND (63) U   | ND (62) U   | ND (60) U  | ND (61) U   | ND (62) U   | ND (59) U  | ND (60) U   | ND (62) U   |
| Hexachlorobenzene          | µg/kg | ND (47) U   | ND (47) U   | ND (46) U  | ND (46) U   | ND (47) U   | ND (44) U  | ND (45) U   | ND (47) U   |
| Hexachlorobutadiene        | µg/kg | ND (44) U   | ND (43) U   | ND (42) U  | ND (43) U   | ND (44) U   | ND (41) U  | ND (42) U   | ND (44) U   |
| Hexachlorocyclopentadiene  | µg/kg | ND (34) U   | ND (33) U   | ND (33) U  | ND (33) U   | ND (34) U   | ND (32) U  | ND (32) U   | ND (34) U   |
| Hexachloroethane           | µg/kg | ND (180) U  | ND (180) U  | ND (180) U | ND (180) U  | ND (180) U  | ND (170) U | ND (180) U  | ND (180) U  |
| Indeno(1,2,3-cd)pyrene     | µg/kg | ND (20) U   | ND (20) U   | ND (19) U  | ND (19) U   | ND (20) U   | ND (19) U  | ND (19) U   | ND (20) U   |
| Isophorone                 | µg/kg | ND (36) U   | ND (36) U   | ND (35) U  | ND (35) U   | ND (36) U   | ND (34) U  | ND (35) U   | ND (36) U   |
| Naphthalene                | µg/kg | ND (44) U   | ND (43) U   | ND (42) U  | ND (43) U   | ND (44) U   | ND (41) U  | ND (42) U   | ND (44) U   |
| Nitrobenzene               | µg/kg | ND (38) U   | ND (38) U   | ND (37) U  | ND (37) U   | ND (38) U   | ND (36) U  | ND (37) U   | ND (38) U   |
| N-Nitrosodi-n-propylamine  | µg/kg | ND (26) U   | ND (26) U   | ND (25) U  | ND (26) U   | ND (26) U   | ND (25) U  | ND (25) U   | ND (26) U   |
| N-Nitrosodiphenylamine     | µg/kg | ND (180) U  | ND (180) U  | ND (170) U | ND (180) U  | ND (180) U  | ND (170) U | ND (170) U  | ND (180) U  |
| Pentachlorophenol          | µg/kg | ND (270) U  | ND (270) U  | ND (260) U | ND (270) U  | ND (270) U  | ND (260) U | ND (260) U  | ND (270) U  |
| Phenanthrene               | µg/kg | ND (57) U   | ND (56) U   | ND (55) U  | ND (55) U   | ND (57) U   | ND (54) U  | ND (55) U   | ND (57) U   |
| Phenol                     | µg/kg | ND (65) U   | ND (64) U   | ND (62) U  | ND (63) U   | ND (64) U   | ND (61) U  | ND (62) U   | ND (64) U   |
| Pyrene                     | µg/kg | ND (64) U   | ND (63) U   | ND (61) U  | ND (62) U   | ND (63) U   | ND (60) U  | ND (61) U   | ND (63) U   |

**TABLE D-9.2**  
**Summary of Soil Analytical Data**  
**Semivolatile Organic Chemicals**

| Parameter                    | Units | P-5(0-1')  | P-5(10-12') | P-5(16-18') | P-6(0-1')  | P-6(10-12') | P-6(18-21') | P-7(0-1')  |
|------------------------------|-------|------------|-------------|-------------|------------|-------------|-------------|------------|
| 1,2,4-Trichlorobenzene       | µg/kg | ND (25) U  | ND (25) U   | ND (26) U   | ND (24) U  | ND (24) U   | ND (26) U   | ND (25) U  |
| 1,2-Dichlorobenzene          | µg/kg | ND (180) U | ND (180) U  | ND (190) U  | ND (180) U | ND (180) U  | ND (190) U  | ND (180) U |
| 1,3-Dichlorobenzene          | µg/kg | ND (180) U | ND (180) U  | ND (190) U  | ND (180) U | ND (180) U  | ND (190) U  | ND (180) U |
| 1,4-Dichlorobenzene          | µg/kg | ND (180) U | ND (180) U  | ND (190) U  | ND (180) U | ND (180) U  | ND (190) U  | ND (180) U |
| 2,2'-oxybis(1-Chloropropane) | µg/kg | ND (30) U  | ND (30) U   | ND (32) U   | ND (30) U  | ND (30) U   | ND (32) U   | ND (31) U  |
| 2,4,5-Trichlorophenol        | µg/kg | ND (120) U | ND (120) U  | ND (130) U  | ND (120) U | ND (120) U  | ND (130) U  | ND (120) U |
| 2,4,6-Trichlorophenol        | µg/kg | ND (91) U  | ND (93) U   | ND (96) U   | ND (90) U  | ND (90) U   | ND (96) U   | ND (93) U  |
| 2,4-Dichlorophenol           | µg/kg | ND (170) U | ND (170) U  | ND (180) U  | ND (170) U | ND (170) U  | ND (180) U  | ND (170) U |
| 2,4-Dimethylphenol           | µg/kg | ND (92) U  | ND (94) U   | ND (97) U   | ND (91) U  | ND (91) U   | ND (98) U   | ND (94) U  |
| 2,4-Dinitrophenol            | µg/kg | ND (270) U | ND (270) U  | ND (280) U  | ND (270) U | ND (270) U  | ND (280) U  | ND (270) U |
| 2,4-Dinitrotoluene           | µg/kg | ND (52) U  | ND (53) U   | ND (55) U   | ND (52) U  | ND (52) U   | ND (56) U   | ND (54) U  |
| 2,6-Dinitrotoluene           | µg/kg | ND (180) U | ND (180) U  | ND (190) U  | ND (180) U | ND (180) U  | ND (190) U  | ND (180) U |
| 2-Chloronaphthalene          | µg/kg | ND (21) U  | ND (22) U   | ND (23) U   | ND (21) U  | ND (21) U   | ND (23) U   | ND (22) U  |
| 2-Chlorophenol               | µg/kg | ND (55) U  | ND (57) U   | ND (59) U   | ND (55) U  | ND (55) U   | ND (59) U   | ND (57) U  |
| 2-Methylnaphthalene          | µg/kg | ND (32) U  | ND (33) U   | ND (34) U   | ND (32) U  | ND (32) U   | ND (34) U   | ND (33) U  |
| 2-Methylphenol               | µg/kg | ND (45) U  | ND (46) U   | ND (47) U   | ND (45) U  | ND (45) U   | ND (48) U   | ND (46) U  |
| 2-Nitroaniline               | µg/kg | ND (19) U  | ND (19) U   | ND (20) U   | ND (19) U  | ND (19) U   | ND (20) U   | ND (19) U  |
| 2-Nitrophenol                | µg/kg | ND (59) U  | ND (60) U   | ND (62) U   | ND (58) U  | ND (58) U   | ND (62) U   | ND (60) U  |
| 3,3'-Dichlorobenzidine       | µg/kg | ND (180) U | ND (180) U  | ND (190) U  | ND (180) U | ND (180) U  | ND (190) U  | ND (180) U |
| 3-Nitroaniline               | µg/kg | ND (16) U  | ND (17) U   | ND (17) U   | ND (16) U  | ND (16) U   | ND (17) U   | ND (17) U  |
| 4,6-Dinitro-2-methylphenol   | µg/kg | ND (37) U  | ND (38) U   | ND (39) U   | ND (37) U  | ND (37) U   | ND (40) U   | ND (38) U  |
| 4-Bromophenyl phenyl ether   | µg/kg | ND (50) U  | ND (51) U   | ND (53) U   | ND (50) U  | ND (50) U   | ND (53) U   | ND (51) U  |
| 4-Chloro-3-methylphenol      | µg/kg | ND (91) U  | ND (93) U   | ND (96) U   | ND (90) U  | ND (90) U   | ND (96) U   | ND (93) U  |
| 4-Chloroaniline              | µg/kg | ND (180) U | ND (180) U  | ND (190) U  | ND (180) U | ND (180) U  | ND (190) U  | ND (180) U |
| 4-Chlorophenyl phenyl ether  | µg/kg | ND (38) U  | ND (39) U   | ND (41) U   | ND (38) U  | ND (38) U   | ND (41) U   | ND (39) U  |
| 4-Methylphenol               | µg/kg | ND (68) U  | ND (70) U   | ND (72) U   | ND (68) U  | ND (68) U   | ND (73) U   | ND (70) U  |
| 4-Nitroaniline               | µg/kg | ND (22) U  | ND (23) U   | ND (23) U   | ND (22) U  | ND (22) U   | ND (24) U   | ND (23) U  |
| 4-Nitrophenol                | µg/kg | ND (69) U  | ND (70) U   | ND (72) U   | ND (68) U  | ND (68) U   | ND (73) U   | ND (70) U  |
| Acenaphthene                 | µg/kg | ND (44) U  | ND (45) U   | ND (46) U   | ND (44) U  | ND (44) U   | ND (47) U   | ND (45) U  |
| Acenaphthylene               | µg/kg | ND (32) U  | ND (33) U   | ND (34) U   | ND (32) U  | ND (32) U   | ND (34) U   | ND (33) U  |
| Anthracene                   | µg/kg | ND (58) U  | ND (59) U   | ND (61) U   | ND (57) U  | ND (57) U   | ND (61) U   | ND (59) U  |
| Benzo(a)anthracene           | µg/kg | ND (28) U  | ND (28) U   | ND (29) U   | ND (28) U  | ND (28) U   | ND (30) U   | ND (28) U  |

**TABLE D-9.2**  
**Summary of Soil Analytical Data**  
**Semivolatile Organic Chemicals**

| Parameter                  | Units | P-5(0-1')  | P-5(10-12') | P-5(16-18') | P-6(0-1')  | P-6(10-12') | P-6(18-21') | P-7(0-1')  |
|----------------------------|-------|------------|-------------|-------------|------------|-------------|-------------|------------|
| Benzo(a)pyrene             | µg/kg | ND (43) U  | ND (44) U   | ND (45) U   | ND (42) U  | ND (42) U   | ND (45) U   | ND (44) U  |
| Benzo(b)fluoranthene       | µg/kg | ND (51) U  | ND (52) U   | ND (54) U   | ND (51) U  | ND (51) U   | ND (54) U   | ND (52) U  |
| Benzo(ghi)perylene         | µg/kg | ND (60) U  | ND (61) U   | ND (63) U   | ND (59) U  | ND (59) U   | ND (64) U   | ND (61) U  |
| Benzo(k)fluoranthene       | µg/kg | ND (61) U  | ND (62) U   | ND (64) U   | ND (61) U  | ND (61) U   | ND (65) U   | ND (62) U  |
| bis(2-Chloroethoxy)methane | µg/kg | ND (32) U  | ND (33) U   | ND (34) U   | ND (32) U  | ND (32) U   | ND (34) U   | ND (33) U  |
| bis(2-Chloroethyl) ether   | µg/kg | ND (35) U  | ND (36) U   | ND (37) U   | ND (35) U  | ND (35) U   | ND (37) U   | ND (36) U  |
| bis(2-Ethylhexyl)phthalate | µg/kg | ND (46) U  | ND (47) U   | ND (48) U   | ND (46) U  | ND (46) U   | ND (49) U   | ND (47) U  |
| Butyl benzyl phthalate     | µg/kg | ND (29) U  | ND (29) U   | ND (30) U   | ND (29) U  | ND (29) U   | ND (31) U   | ND (29) U  |
| Carbazole                  | µg/kg | ND (180) U | ND (180) U  | ND (190) U  | ND (180) U | ND (180) U  | ND (190) U  | ND (180) U |
| Chrysene                   | µg/kg | ND (71) U  | ND (73) U   | ND (75) U   | ND (71) U  | ND (71) U   | ND (76) U   | ND (73) U  |
| Dibenzo(a,h)anthracene     | µg/kg | ND (55) U  | ND (57) U   | ND (59) U   | ND (55) U  | ND (55) U   | ND (59) U   | ND (57) U  |
| Dibenzofuran               | µg/kg | ND (60) U  | ND (61) U   | ND (63) U   | ND (59) U  | ND (59) U   | ND (64) U   | ND (61) U  |
| Diethyl phthalate          | µg/kg | ND (44) U  | ND (45) U   | ND (46) U   | ND (44) U  | ND (44) U   | ND (47) U   | ND (45) U  |
| Dimethyl phthalate         | µg/kg | ND (27) U  | ND (27) U   | ND (28) U   | ND (27) U  | ND (27) U   | ND (28) U   | ND (27) U  |
| Di-n-butyl phthalate       | µg/kg | ND (66) U  | ND (67) U   | ND (70) U   | ND (66) U  | ND (66) U   | ND (70) U   | ND (68) U  |
| Di-n-octyl phthalate       | µg/kg | ND (44) U  | ND (45) U   | ND (46) U   | ND (44) U  | ND (44) U   | ND (47) U   | ND (45) U  |
| Fluoranthene               | µg/kg | ND (54) U  | ND (56) U   | ND (57) U   | ND (54) U  | ND (54) U   | ND (58) U   | ND (56) U  |
| Fluorene                   | µg/kg | ND (61) U  | ND (62) U   | ND (64) U   | ND (61) U  | ND (61) U   | ND (65) U   | ND (62) U  |
| Hexachlorobenzene          | µg/kg | ND (46) U  | ND (47) U   | ND (48) U   | ND (46) U  | ND (46) U   | ND (49) U   | ND (47) U  |
| Hexachlorobutadiene        | µg/kg | ND (43) U  | ND (44) U   | ND (45) U   | ND (42) U  | ND (42) U   | ND (45) U   | ND (44) U  |
| Hexachlorocyclopentadiene  | µg/kg | ND (33) U  | ND (34) U   | ND (35) U   | ND (33) U  | ND (33) U   | ND (35) U   | ND (34) U  |
| Hexachloroethane           | µg/kg | ND (180) U | ND (180) U  | ND (190) U  | ND (180) U | ND (180) U  | ND (190) U  | ND (180) U |
| Indeno(1,2,3-cd)pyrene     | µg/kg | ND (19) U  | ND (20) U   | ND (20) U   | ND (19) U  | ND (19) U   | ND (20) U   | ND (20) U  |
| Isophorone                 | µg/kg | ND (35) U  | ND (36) U   | ND (37) U   | ND (35) U  | ND (35) U   | ND (37) U   | ND (36) U  |
| Naphthalene                | µg/kg | ND (43) U  | ND (44) U   | ND (45) U   | ND (42) U  | ND (42) U   | ND (45) U   | ND (44) U  |
| Nitrobenzene               | µg/kg | ND (37) U  | ND (38) U   | ND (39) U   | ND (37) U  | ND (37) U   | ND (40) U   | ND (38) U  |
| N-Nitrosodi-n-propylamine  | µg/kg | ND (26) U  | ND (26) U   | ND (27) U   | ND (25) U  | ND (25) U   | ND (27) U   | ND (26) U  |
| N-Nitrosodiphenylamine     | µg/kg | ND (180) U | ND (180) U  | ND (190) U  | ND (180) U | ND (180) U  | ND (190) U  | ND (180) U |
| Pentachlorophenol          | µg/kg | ND (270) U | ND (270) U  | ND (280) U  | ND (270) U | ND (270) U  | ND (280) U  | ND (270) U |
| Phenanthrene               | µg/kg | ND (55) U  | ND (57) U   | ND (59) U   | ND (55) U  | ND (55) U   | ND (59) U   | ND (57) U  |
| Phenol                     | µg/kg | ND (63) U  | ND (64) U   | ND (66) U   | ND (63) U  | ND (63) U   | ND (67) U   | ND (64) U  |
| Pyrene                     | µg/kg | ND (62) U  | ND (63) U   | ND (65) U   | ND (62) U  | ND (62) U   | ND (66) U   | ND (63) U  |



**TABLE D-9.2**  
**Summary of Soil Analytical Data**  
**Semivolatle Organic Chemicals**

| Parameter                    | Units | P-7(10-12') | P-7(18-20') | P-7(19-21') | P-7(2-3') | P-8(0-1')  | P-8(10-12') | P-8(16-18') | P-9(0-1')  |
|------------------------------|-------|-------------|-------------|-------------|-----------|------------|-------------|-------------|------------|
| 1,2,4-Trichlorobenzene       | µg/kg | ND (28) U   | ND (33) U   | ND (28) U   |           | ND (25) U  | ND (24) U   | ND (26) U   | ND (24) U  |
| 1,2-Dichlorobenzene          | µg/kg | ND (200) U  | ND (240) U  | ND (200) U  |           | ND (180) U | ND (180) U  | ND (190) U  | ND (180) U |
| 1,3-Dichlorobenzene          | µg/kg | ND (200) U  | ND (240) U  | ND (200) U  |           | ND (180) U | ND (180) U  | ND (190) U  | ND (180) U |
| 1,4-Dichlorobenzene          | µg/kg | ND (200) U  | ND (240) U  | ND (200) U  |           | ND (180) U | ND (180) U  | ND (190) U  | ND (180) U |
| 2,2'-oxybis(1-Chloropropane) | µg/kg | ND (34) U   | ND (41) U   | ND (34) U   |           | ND (31) U  | ND (30) U   | ND (32) U   | ND (30) U  |
| 2,4,5-Trichlorophenol        | µg/kg | ND (140) U  | ND (160) U  | ND (130) U  |           | ND (120) U | ND (120) U  | ND (130) U  | ND (120) U |
| 2,4,6-Trichlorophenol        | µg/kg | ND (100) U  | ND (120) U  | ND (100) U  |           | ND (94) U  | ND (90) U   | ND (98) U   | ND (90) U  |
| 2,4-Dichlorophenol           | µg/kg | ND (190) U  | ND (230) U  | ND (190) U  |           | ND (170) U | ND (170) U  | ND (180) U  | ND (170) U |
| 2,4-Dimethylphenol           | µg/kg | ND (100) U  | ND (120) U  | ND (100) U  |           | ND (95) U  | ND (91) U   | ND (99) U   | ND (91) U  |
| 2,4-Dinitrophenol            | µg/kg | ND (300) U  | ND (360) U  | ND (300) U  |           | ND (280) U | ND (270) U  | ND (290) U  | ND (260) U |
| 2,4-Dinitrotoluene           | µg/kg | ND (59) U   | ND (71) U   | ND (59) U   |           | ND (54) U  | ND (52) U   | ND (56) U   | ND (52) U  |
| 2,6-Dinitrotoluene           | µg/kg | ND (200) U  | ND (240) U  | ND (200) U  |           | ND (180) U | ND (180) U  | ND (190) U  | ND (180) U |
| 2-Chloronaphthalene          | µg/kg | ND (24) U   | ND (29) U   | ND (24) U   |           | ND (22) U  | ND (21) U   | ND (23) U   | ND (21) U  |
| 2-Chlorophenol               | µg/kg | ND (63) U   | ND (75) U   | ND (62) U   |           | ND (57) U  | ND (55) U   | ND (60) U   | ND (55) U  |
| 2-Methylnaphthalene          | µg/kg | ND (36) U   | ND (43) U   | ND (36) U   |           | ND (33) U  | ND (32) U   | ND (34) U   | ND (32) U  |
| 2-Methylphenol               | µg/kg | ND (51) U   | ND (61) U   | ND (50) U   |           | ND (46) U  | ND (45) U   | ND (48) U   | ND (44) U  |
| 2-Nitroaniline               | µg/kg | ND (21) U   | ND (25) U   | ND (21) U   |           | ND (19) U  | ND (19) U   | ND (20) U   | ND (19) U  |
| 2-Nitrophenol                | µg/kg | ND (67) U   | ND (80) U   | ND (66) U   |           | ND (61) U  | ND (58) U   | ND (63) U   | ND (58) U  |
| 3,3'-Dichlorobenzidine       | µg/kg | ND (200) U  | ND (240) U  | ND (200) U  |           | ND (180) U | ND (180) U  | ND (190) U  | ND (180) U |
| 3-Nitroaniline               | µg/kg | ND (19) U   | ND (22) U   | ND (18) U   |           | ND (17) U  | ND (16) U   | ND (18) U   | ND (16) U  |
| 4,6-Dinitro-2-methylphenol   | µg/kg | ND (42) U   | ND (51) U   | ND (42) U   |           | ND (39) U  | ND (37) U   | ND (40) U   | ND (37) U  |
| 4-Bromophenyl phenyl ether   | µg/kg | ND (57) U   | ND (68) U   | ND (56) U   |           | ND (52) U  | ND (50) U   | ND (54) U   | ND (50) U  |
| 4-Chloro-3-methylphenol      | µg/kg | ND (100) U  | ND (120) U  | ND (100) U  |           | ND (94) U  | ND (90) U   | ND (98) U   | ND (90) U  |
| 4-Chloroaniline              | µg/kg | ND (200) U  | ND (240) U  | ND (200) U  |           | ND (180) U | ND (180) U  | ND (190) U  | ND (180) U |
| 4-Chlorophenyl phenyl ether  | µg/kg | ND (44) U   | ND (52) U   | ND (43) U   |           | ND (40) U  | ND (38) U   | ND (41) U   | ND (38) U  |
| 4-Methylphenol               | µg/kg | ND (78) U   | ND (93) U   | ND (77) U   |           | ND (71) U  | ND (68) U   | ND (73) U   | ND (68) U  |
| 4-Nitroaniline               | µg/kg | ND (25) U   | ND (30) U   | ND (25) U   |           | ND (23) U  | ND (22) U   | ND (24) U   | ND (22) U  |
| 4-Nitrophenol                | µg/kg | ND (78) U   | ND (93) U   | ND (77) U   |           | ND (71) U  | ND (68) U   | ND (74) U   | ND (68) U  |
| Acenaphthene                 | µg/kg | ND (50) U   | ND (59) U   | ND (49) U   |           | ND (45) U  | ND (44) U   | ND (47) U   | ND (43) U  |
| Acenaphthylene               | µg/kg | ND (36) U   | ND (43) U   | ND (36) U   |           | ND (33) U  | ND (32) U   | ND (34) U   | ND (32) U  |
| Anthracene                   | µg/kg | ND (66) U   | ND (78) U   | ND (65) U   |           | ND (60) U  | ND (57) U   | ND (62) U   | ND (57) U  |
| Benzo(a)anthracene           | µg/kg | ND (32) U   | ND (38) U   | ND (31) U   |           | ND (29) U  | ND (28) U   | ND (30) U   | ND (27) U  |

**TABLE D-9.2**  
**Summary of Soil Analytical Data**  
**Semivolatiles Organic Chemicals**

| Parameter                  | Units | P-7(10-12') | P-7(18-20') | P-7(19-21') | P-7(2-3') | P-8(0-1')  | P-8(10-12') | P-8(16-18') | P-9(0-1')  |
|----------------------------|-------|-------------|-------------|-------------|-----------|------------|-------------|-------------|------------|
| Benzo(a)pyrene             | µg/kg | ND (49) U   | ND (58) U   | ND (48) U   |           | ND (44) U  | ND (42) U   | ND (46) U   | ND (42) U  |
| Benzo(b)fluoranthene       | µg/kg | ND (58) U   | ND (70) U   | ND (57) U   |           | ND (53) U  | ND (51) U   | ND (55) U   | ND (51) U  |
| Benzo(ghi)perylene         | µg/kg | ND (68) U   | ND (81) U   | ND (67) U   |           | ND (62) U  | ND (59) U   | ND (64) U   | ND (59) U  |
| Benzo(k)fluoranthene       | µg/kg | ND (69) U   | ND (83) U   | ND (68) U   |           | ND (63) U  | ND (61) U   | ND (65) U   | ND (60) U  |
| bis(2-Chloroethoxy)methane | µg/kg | ND (36) U   | ND (43) U   | ND (36) U   |           | ND (33) U  | ND (32) U   | ND (34) U   | ND (32) U  |
| bis(2-Chloroethyl) ether   | µg/kg | ND (40) U   | ND (48) U   | ND (40) U   |           | ND (36) U  | ND (35) U   | ND (38) U   | ND (35) U  |
| bis(2-Ethylhexyl)phthalate | µg/kg | ND (52) U   | ND (62) U   | ND (51) U   |           | ND (48) U  | ND (46) U   | ND (49) U   | ND (45) U  |
| Butyl benzyl phthalate     | µg/kg | 80 J        | ND (39) U   | ND (32) U   |           | ND (30) U  | ND (29) U   | ND (31) U   | ND (29) U  |
| Carbazole                  | µg/kg | ND (200) U  | ND (240) U  | ND (200) U  |           | ND (180) U | ND (180) U  | ND (190) U  | ND (170) U |
| Chrysene                   | µg/kg | ND (81) U   | ND (97) U   | ND (80) U   |           | ND (74) U  | ND (71) U   | ND (77) U   | ND (71) U  |
| Dibenzo(a,h)anthracene     | µg/kg | ND (63) U   | ND (75) U   | ND (62) U   |           | ND (57) U  | ND (55) U   | ND (60) U   | ND (55) U  |
| Dibenzofuran               | µg/kg | ND (68) U   | ND (81) U   | ND (67) U   |           | ND (62) U  | ND (59) U   | ND (64) U   | ND (59) U  |
| Diethyl phthalate          | µg/kg | ND (50) U   | ND (59) U   | ND (49) U   |           | ND (45) U  | ND (44) U   | ND (47) U   | ND (43) U  |
| Dimethyl phthalate         | µg/kg | ND (30) U   | ND (36) U   | ND (30) U   |           | ND (28) U  | ND (27) U   | ND (29) U   | ND (26) U  |
| Di-n-butyl phthalate       | µg/kg | ND (75) U   | ND (90) U   | ND (74) U   |           | ND (69) U  | ND (66) U   | ND (71) U   | ND (66) U  |
| Di-n-octyl phthalate       | µg/kg | ND (50) U   | ND (59) U   | ND (49) U   |           | ND (45) U  | ND (44) U   | ND (47) U   | ND (43) U  |
| Fluoranthene               | µg/kg | ND (62) U   | ND (74) U   | ND (61) U   |           | ND (56) U  | ND (54) U   | ND (59) U   | ND (54) U  |
| Fluorene                   | µg/kg | ND (69) U   | ND (83) U   | ND (68) U   |           | ND (63) U  | ND (61) U   | ND (65) U   | ND (60) U  |
| Hexachlorobenzene          | µg/kg | ND (52) U   | ND (62) U   | ND (51) U   |           | ND (48) U  | ND (46) U   | ND (49) U   | ND (45) U  |
| Hexachlorobutadiene        | µg/kg | ND (49) U   | ND (58) U   | ND (48) U   |           | ND (44) U  | ND (42) U   | ND (46) U   | ND (42) U  |
| Hexachlorocyclopentadiene  | µg/kg | ND (37) U   | ND (45) U   | ND (37) U   |           | ND (34) U  | ND (33) U   | ND (35) U   | ND (33) U  |
| Hexachloroethane           | µg/kg | ND (200) U  | ND (240) U  | ND (200) U  |           | ND (180) U | ND (180) U  | ND (190) U  | ND (180) U |
| Indeno(1,2,3-cd)pyrene     | µg/kg | ND (22) U   | ND (26) U   | ND (22) U   |           | ND (20) U  | ND (19) U   | ND (21) U   | ND (19) U  |
| Isophorone                 | µg/kg | ND (40) U   | ND (48) U   | ND (40) U   |           | ND (36) U  | ND (35) U   | ND (38) U   | ND (35) U  |
| Naphthalene                | µg/kg | ND (49) U   | ND (58) U   | ND (48) U   |           | ND (44) U  | ND (42) U   | ND (46) U   | ND (42) U  |
| Nitrobenzene               | µg/kg | ND (42) U   | ND (51) U   | ND (42) U   |           | ND (39) U  | ND (37) U   | ND (40) U   | ND (37) U  |
| N-Nitrosodi-n-propylamine  | µg/kg | ND (29) U   | ND (35) U   | ND (29) U   |           | ND (27) U  | ND (25) U   | ND (28) U   | ND (25) U  |
| N-Nitrosodiphenylamine     | µg/kg | ND (200) U  | ND (240) U  | ND (200) U  |           | ND (180) U | ND (180) U  | ND (190) U  | ND (170) U |
| Pentachlorophenol          | µg/kg | ND (300) U  | ND (360) U  | ND (300) U  |           | ND (280) U | ND (270) U  | ND (290) U  | ND (260) U |
| Phenanthrene               | µg/kg | ND (63) U   | ND (75) U   | ND (62) U   |           | ND (57) U  | ND (55) U   | ND (60) U   | ND (55) U  |
| Phenol                     | µg/kg | ND (72) U   | ND (85) U   | ND (71) U   |           | ND (65) U  | ND (63) U   | ND (68) U   | ND (62) U  |
| Pyrene                     | µg/kg | ND (70) U   | ND (84) U   | ND (69) U   |           | ND (64) U  | ND (62) U   | ND (67) U   | ND (61) U  |

**TABLE D-9.2**  
**Summary of Soil Analytical Data**  
**Semivolatle Organic Chemicals**

| Parameter                    | Units | P-9(6-8')  | S-1(0-1')  | S-1(10-12') | S-1(16-17') | S-2(0-1')  | S-2(10-12') | S-2(18-20') |
|------------------------------|-------|------------|------------|-------------|-------------|------------|-------------|-------------|
| 1,2,4-Trichlorobenzene       | µg/kg | ND (25) U  | ND (24) U  | ND (24) U   | ND (25) U   | ND (24) U  | ND (25) U   | ND (30) U   |
| 1,2-Dichlorobenzene          | µg/kg | ND (180) U | ND (170) U | ND (180) U  | ND (180) U  | ND (180) U | ND (180) U  | ND (210) U  |
| 1,3-Dichlorobenzene          | µg/kg | ND (180) U | ND (170) U | ND (180) U  | ND (180) U  | ND (180) U | ND (180) U  | ND (210) U  |
| 1,4-Dichlorobenzene          | µg/kg | ND (180) U | ND (170) U | ND (180) U  | ND (180) U  | ND (180) U | ND (180) U  | ND (210) U  |
| 2,2'-oxybis(1-Chloropropane) | µg/kg | ND (31) U  | ND (29) U  | ND (30) U   | ND (30) U   | ND (30) U  | ND (30) U   | ND (36) U   |
| 2,4,5-Trichlorophenol        | µg/kg | ND (120) U | ND (120) U | ND (120) U  | ND (120) U  | ND (120) U | ND (120) U  | ND (140) U  |
| 2,4,6-Trichlorophenol        | µg/kg | ND (94) U  | ND (88) U  | ND (90) U   | ND (91) U   | ND (90) U  | ND (92) U   | ND (110) U  |
| 2,4-Dichlorophenol           | µg/kg | ND (170) U | ND (160) U | ND (170) U  | ND (170) U  | ND (170) U | ND (170) U  | ND (200) U  |
| 2,4-Dimethylphenol           | µg/kg | ND (95) U  | ND (89) U  | ND (91) U   | ND (92) U   | ND (91) U  | ND (93) U   | ND (110) U  |
| 2,4-Dinitrophenol            | µg/kg | ND (280) U | ND (260) U | ND (260) U  | ND (270) U  | ND (260) U | ND (270) U  | ND (320) U  |
| 2,4-Dinitrotoluene           | µg/kg | ND (54) U  | ND (51) U  | ND (52) U   | ND (53) U   | ND (52) U  | ND (53) U   | ND (63) U   |
| 2,6-Dinitrotoluene           | µg/kg | ND (180) U | ND (170) U | ND (180) U  | ND (180) U  | ND (180) U | ND (180) U  | ND (210) U  |
| 2-Chloronaphthalene          | µg/kg | ND (22) U  | ND (21) U  | ND (21) U   | ND (21) U   | ND (21) U  | ND (22) U   | ND (26) U   |
| 2-Chlorophenol               | µg/kg | ND (58) U  | ND (54) U  | ND (55) U   | ND (56) U   | ND (55) U  | ND (56) U   | ND (67) U   |
| 2-Methylnaphthalene          | µg/kg | ND (33) U  | ND (31) U  | ND (32) U   | ND (32) U   | ND (32) U  | ND (32) U   | ND (39) U   |
| 2-Methylphenol               | µg/kg | ND (46) U  | ND (44) U  | ND (44) U   | ND (45) U   | ND (44) U  | ND (45) U   | ND (54) U   |
| 2-Nitroaniline               | µg/kg | ND (19) U  | ND (18) U  | ND (19) U   | ND (19) U   | ND (19) U  | ND (19) U   | ND (23) U   |
| 2-Nitrophenol                | µg/kg | ND (61) U  | ND (57) U  | ND (58) U   | ND (59) U   | ND (58) U  | ND (60) U   | ND (71) U   |
| 3,3'-Dichlorobenzidine       | µg/kg | ND (180) U | ND (170) U | ND (180) U  | ND (180) U  | ND (180) U | ND (180) U  | ND (210) U  |
| 3-Nitroaniline               | µg/kg | ND (17) U  | ND (16) U  | ND (16) U   | ND (17) U   | ND (16) U  | ND (17) U   | ND (20) U   |
| 4,6-Dinitro-2-methylphenol   | µg/kg | ND (39) U  | ND (36) U  | ND (37) U   | ND (38) U   | ND (37) U  | ND (38) U   | ND (45) U   |
| 4-Bromophenyl phenyl ether   | µg/kg | ND (52) U  | ND (49) U  | ND (50) U   | ND (50) U   | ND (50) U  | ND (51) U   | ND (60) U   |
| 4-Chloro-3-methylphenol      | µg/kg | ND (94) U  | ND (88) U  | ND (90) U   | ND (91) U   | ND (90) U  | ND (92) U   | ND (110) U  |
| 4-Chloroaniline              | µg/kg | ND (180) U | ND (170) U | ND (180) U  | ND (180) U  | ND (180) U | ND (180) U  | ND (210) U  |
| 4-Chlorophenyl phenyl ether  | µg/kg | ND (40) U  | ND (37) U  | ND (38) U   | ND (39) U   | ND (38) U  | ND (39) U   | ND (46) U   |
| 4-Methylphenol               | µg/kg | ND (71) U  | ND (66) U  | ND (67) U   | ND (69) U   | ND (68) U  | ND (69) U   | ND (82) U   |
| 4-Nitroaniline               | µg/kg | ND (23) U  | ND (22) U  | ND (22) U   | ND (22) U   | ND (22) U  | ND (23) U   | ND (27) U   |
| 4-Nitrophenol                | µg/kg | ND (71) U  | ND (67) U  | ND (68) U   | ND (69) U   | ND (68) U  | ND (70) U   | ND (83) U   |
| Acenaphthene                 | µg/kg | ND (45) U  | ND (43) U  | ND (43) U   | ND (44) U   | ND (43) U  | ND (44) U   | ND (53) U   |
| Acenaphthylene               | µg/kg | ND (33) U  | ND (31) U  | ND (32) U   | ND (32) U   | ND (32) U  | ND (32) U   | ND (39) U   |
| Anthracene                   | µg/kg | ND (60) U  | ND (56) U  | ND (57) U   | ND (58) U   | ND (57) U  | ND (58) U   | ND (69) U   |
| Benzo(a)anthracene           | µg/kg | ND (29) U  | ND (27) U  | ND (27) U   | ND (28) U   | ND (27) U  | ND (28) U   | ND (33) U   |

**TABLE D-9.2**  
**Summary of Soil Analytical Data**  
**Semivolatiles Organic Chemicals**

| Parameter                  | Units | P-9(6-8')  | S-1(0-1')  | S-1(10-12') | S-1(16-17') | S-2(0-1')  | S-2(10-12') | S-2(18-20') |
|----------------------------|-------|------------|------------|-------------|-------------|------------|-------------|-------------|
| Benzo(a)pyrene             | µg/kg | ND (44) U  | ND (41) U  | ND (42) U   | ND (43) U   | ND (42) U  | ND (43) U   | ND (51) U   |
| Benzo(b)fluoranthene       | µg/kg | ND (53) U  | ND (50) U  | ND (51) U   | ND (52) U   | ND (51) U  | ND (52) U   | ND (62) U   |
| Benzo(ghi)perylene         | µg/kg | ND (62) U  | ND (58) U  | ND (59) U   | ND (60) U   | ND (59) U  | ND (61) U   | ND (72) U   |
| Benzo(k)fluoranthene       | µg/kg | ND (63) U  | ND (59) U  | ND (60) U   | ND (61) U   | ND (60) U  | ND (62) U   | ND (73) U   |
| bis(2-Chloroethoxy)methane | µg/kg | ND (33) U  | ND (31) U  | ND (32) U   | ND (32) U   | ND (32) U  | ND (32) U   | ND (39) U   |
| bis(2-Chloroethyl) ether   | µg/kg | ND (37) U  | ND (34) U  | ND (35) U   | ND (35) U   | ND (35) U  | ND (36) U   | ND (42) U   |
| bis(2-Ethylhexyl)phthalate | µg/kg | ND (48) U  | ND (45) U  | ND (45) U   | ND (46) U   | ND (45) U  | ND (47) U   | ND (55) U   |
| Butyl benzyl phthalate     | µg/kg | ND (30) U  | ND (28) U  | ND (28) U   | ND (29) U   | ND (29) U  | ND (29) U   | ND (35) U   |
| Carbazole                  | µg/kg | ND (180) U | ND (170) U | ND (170) U  | ND (180) U  | ND (170) U | ND (180) U  | ND (210) U  |
| Chrysene                   | µg/kg | ND (74) U  | ND (70) U  | ND (71) U   | ND (72) U   | ND (71) U  | ND (73) U   | ND (86) U   |
| Dibenzo(a,h)anthracene     | µg/kg | ND (58) U  | ND (54) U  | ND (55) U   | ND (56) U   | ND (55) U  | ND (56) U   | ND (67) U   |
| Dibenzofuran               | µg/kg | ND (62) U  | ND (58) U  | ND (59) U   | ND (60) U   | ND (59) U  | ND (61) U   | ND (72) U   |
| Diethyl phthalate          | µg/kg | ND (45) U  | ND (43) U  | ND (43) U   | ND (44) U   | ND (43) U  | ND (44) U   | ND (53) U   |
| Dimethyl phthalate         | µg/kg | ND (28) U  | ND (26) U  | ND (26) U   | ND (27) U   | ND (26) U  | ND (27) U   | ND (32) U   |
| Di-n-butyl phthalate       | µg/kg | ND (69) U  | ND (64) U  | ND (65) U   | ND (67) U   | ND (66) U  | ND (67) U   | ND (80) U   |
| Di-n-octyl phthalate       | µg/kg | ND (45) U  | ND (43) U  | ND (43) U   | ND (44) U   | ND (43) U  | ND (44) U   | ND (53) U   |
| Fluoranthene               | µg/kg | ND (56) U  | ND (53) U  | ND (54) U   | ND (55) U   | ND (54) U  | ND (55) U   | ND (66) U   |
| Fluorene                   | µg/kg | ND (63) U  | ND (59) U  | ND (60) U   | ND (61) U   | ND (60) U  | ND (62) U   | ND (73) U   |
| Hexachlorobenzene          | µg/kg | ND (48) U  | ND (45) U  | ND (45) U   | ND (46) U   | ND (45) U  | ND (47) U   | ND (55) U   |
| Hexachlorobutadiene        | µg/kg | ND (44) U  | ND (41) U  | ND (42) U   | ND (43) U   | ND (42) U  | ND (43) U   | ND (51) U   |
| Hexachlorocyclopentadiene  | µg/kg | ND (34) U  | ND (32) U  | ND (32) U   | ND (33) U   | ND (33) U  | ND (33) U   | ND (40) U   |
| Hexachloroethane           | µg/kg | ND (180) U | ND (170) U | ND (180) U  | ND (180) U  | ND (180) U | ND (180) U  | ND (210) U  |
| Indeno(1,2,3-cd)pyrene     | µg/kg | ND (20) U  | ND (19) U  | ND (19) U   | ND (19) U   | ND (19) U  | ND (19) U   | ND (23) U   |
| Isophorone                 | µg/kg | ND (37) U  | ND (34) U  | ND (35) U   | ND (35) U   | ND (35) U  | ND (36) U   | ND (42) U   |
| Naphthalene                | µg/kg | ND (44) U  | ND (41) U  | ND (42) U   | ND (43) U   | ND (42) U  | ND (43) U   | ND (51) U   |
| Nitrobenzene               | µg/kg | ND (39) U  | ND (36) U  | ND (37) U   | ND (38) U   | ND (37) U  | ND (38) U   | ND (45) U   |
| N-Nitrosodi-n-propylamine  | µg/kg | ND (27) U  | ND (25) U  | ND (25) U   | ND (26) U   | ND (25) U  | ND (26) U   | ND (31) U   |
| N-Nitrosodiphenylamine     | µg/kg | ND (180) U | ND (170) U | ND (170) U  | ND (180) U  | ND (170) U | ND (180) U  | ND (210) U  |
| Pentachlorophenol          | µg/kg | ND (280) U | ND (260) U | ND (260) U  | ND (270) U  | ND (260) U | ND (270) U  | ND (320) U  |
| Phenanthrene               | µg/kg | ND (58) U  | ND (54) U  | ND (55) U   | ND (56) U   | ND (55) U  | ND (56) U   | ND (67) U   |
| Phenol                     | µg/kg | ND (65) U  | ND (61) U  | ND (62) U   | ND (63) U   | ND (62) U  | ND (64) U   | ND (76) U   |
| Pyrene                     | µg/kg | ND (64) U  | ND (60) U  | ND (61) U   | ND (62) U   | ND (61) U  | ND (63) U   | ND (75) U   |

**TABLE D-9.3**  
**Summary of Soil Analytical Data**  
**Pesticides**

| Parameter          | Units | A-1(0-1')   | A-1(10-12') | A-1(16-18') | A-2(0-1')   | A-2(10-12') | A-2(19-21') | B-1(0-1')   | B-1(10-12') |
|--------------------|-------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 4,4'-DDD           | µg/kg | ND (0.69) U | ND (0.69) U | ND (1.0) U  | 2.2         | ND (0.67) U | ND (0.69) U | ND (0.68) U | ND (0.70) U |
| 4,4'-DDE           | µg/kg | ND (0.95) U | ND (0.94) U | ND (1.4) U  | 32          | ND (0.92) U | ND (0.95) U | 3.2         | ND (0.97) U |
| 4,4'-DDT           | µg/kg | ND (0.76) U | ND (0.75) U | ND (1.1) U  | 31          | ND (0.74) U | ND (0.76) U | 9.2         | ND (0.77) U |
| Aldrin             | µg/kg | ND (0.72) U | ND (0.71) U | ND (1.1) U  | ND (0.69) U | ND (0.69) U | ND (0.71) U | ND (0.70) U | ND (0.73) U |
| alpha-BHC          | µg/kg | ND (0.82) U | ND (0.81) U | ND (1.2) U  | ND (0.80) U | ND (0.80) U | ND (0.82) U | ND (0.80) U | ND (0.84) U |
| alpha-Chlordane    | µg/kg | ND (0.49) U | ND (0.48) U | ND (0.74) U | 4.7         | ND (0.47) U | ND (0.49) U | ND (0.48) U | ND (0.49) U |
| Azinphos-methyl    | µg/kg | ND (4.5) U  | ND (4.4) U  | ND (6.8) U  | ND (4.3) U  | ND (4.3) U  | ND (4.5) U  | ND (4.4) U  | ND (4.5) U  |
| beta-BHC           | µg/kg | ND (0.77) U | ND (0.76) U | ND (1.2) U  | ND (0.75) U | ND (0.75) U | ND (0.77) U | ND (0.75) U | ND (0.78) U |
| Bolstar            | µg/kg | ND (2.1) U  | ND (2.1) U  | ND (3.2) U  | ND (2.1) U  | ND (2.1) U  | ND (2.1) U  | ND (2.1) U  | ND (2.2) U  |
| Chlorpyrifos       | µg/kg | ND (3.2) U  | ND (3.1) U  | ND (4.8) U  | ND (3.1) U  | ND (3.1) U  | ND (3.2) U  | ND (3.1) U  | ND (3.2) U  |
| Coumaphos          | µg/kg | ND (2.7) U  | ND (2.7) U  | ND (4.1) U  | ND (2.6) U  | ND (2.6) U  | ND (2.7) U  | ND (2.6) U  | ND (2.7) U  |
| delta-BHC          | µg/kg | ND (0.48) U | ND (0.47) U | ND (0.72) U | ND (0.46) U | ND (0.46) U | ND (0.48) U | ND (0.47) U | ND (0.48) U |
| Demeton (total)    | µg/kg | ND (7.0) U  | ND (6.9) U  | ND (11) U   | ND (6.8) U  | ND (6.8) U  | ND (6.9) U  | ND (6.8) U  | ND (7.1) U  |
| Diazinon           | µg/kg | ND (2.1) U  | ND (2.1) U  | ND (3.2) U  | ND (2.1) U  | ND (2.1) U  | ND (2.1) U  | ND (2.1) U  | ND (2.2) U  |
| Dichlorvos         | µg/kg | ND (4.8) U  | ND (4.8) U  | ND (7.3) U  | ND (4.7) U  | ND (4.7) U  | ND (4.8) U  | ND (4.7) U  | ND (4.9) U  |
| Diieldrin          | µg/kg | ND (0.63) U | ND (0.62) U | ND (0.95) U | 4.3         | ND (0.61) U | ND (0.63) U | ND (0.61) U | ND (0.64) U |
| Dimethoate         | µg/kg | ND (4.1) U  | ND (4.0) U  | ND (6.2) U  | ND (3.9) U  | ND (3.9) U  | ND (4.1) U  | ND (4.0) U  | ND (4.1) U  |
| Disulfoton         | µg/kg | ND (2.3) U  | ND (2.2) U  | ND (3.4) U  | ND (2.2) U  | ND (2.2) U  | ND (2.3) U  | ND (2.2) U  | ND (2.3) U  |
| Endosulfan I       | µg/kg | ND (0.54) U | ND (0.54) U | ND (0.82) U | ND (0.53) U | ND (0.53) U | ND (0.54) U | ND (0.53) U | ND (0.55) U |
| Endosulfan II      | µg/kg | ND (0.68) U | ND (0.68) U | ND (1.0) U  | ND (0.66) U | ND (0.66) U | ND (0.68) U | ND (0.67) U | ND (0.69) U |
| Endosulfan sulfate | µg/kg | ND (0.57) U | ND (0.57) U | ND (0.87) U | ND (0.56) U | ND (0.56) U | ND (0.57) U | ND (0.56) U | ND (0.58) U |
| Endrin             | µg/kg | ND (0.61) U | ND (0.60) U | ND (0.92) U | ND (0.59) U | ND (0.59) U | ND (0.61) U | ND (0.59) U | ND (0.62) U |
| Endrin aldehyde    | µg/kg | ND (1.2) U  | ND (1.2) U  | ND (1.9) U  | 2.5         | ND (1.2) U  | ND (1.2) U  | ND (1.2) U  | ND (1.3) U  |
| Endrin ketone      | µg/kg | ND (0.57) U | ND (0.57) U | ND (0.87) U | ND (0.56) U | ND (0.56) U | ND (0.57) U | ND (0.56) U | ND (0.58) U |
| Ethoprop           | µg/kg | ND (3.2) U  | ND (3.2) U  | ND (4.9) U  | ND (3.1) U  | ND (3.1) U  | ND (3.2) U  | ND (3.2) U  | ND (3.3) U  |
| Ethyl parathion    | µg/kg | ND (1.6) U  | ND (1.6) U  | ND (2.4) U  | ND (1.6) U  | ND (1.6) U  | ND (1.6) U  | ND (1.6) U  | ND (1.6) U  |
| Famphur            | µg/kg | ND (2.8) U  | ND (2.7) U  | ND (4.2) U  | ND (2.7) U  | ND (2.7) U  | ND (2.8) U  | ND (2.7) U  | ND (2.8) U  |
| Fensulfothion      | µg/kg | ND (6.2) U  | ND (6.1) U  | ND (9.3) U  | ND (6.0) U  | ND (6.0) U  | ND (6.2) U  | ND (6.0) U  | ND (6.3) U  |
| Fenthion           | µg/kg | ND (6.3) U  | ND (6.2) U  | ND (9.5) U  | ND (6.1) U  | ND (6.1) U  | ND (6.3) U  | ND (6.1) U  | ND (6.4) U  |
| gamma-BHC          | µg/kg | ND (0.64) U | ND (0.63) U | ND (0.97) U | ND (0.62) U | ND (0.62) U | ND (0.64) U | ND (0.62) U | ND (0.65) U |
| gamma-Chlordane    | µg/kg | ND (1.0) U  | ND (1.0) U  | ND (1.6) U  | 4.2         | ND (1.0) U  | ND (1.0) U  | ND (1.0) U  | ND (1.1) U  |
| Heptachlor         | µg/kg | ND (0.65) U | ND (0.64) U | ND (0.98) U | ND (0.63) U | ND (0.63) U | ND (0.65) U | ND (0.63) U | ND (0.66) U |

**TABLE D-9.3**  
**Summary of Soil Analytical Data**  
**Pesticides**

| Parameter                      | Units | A-1(0-1')   | A-1(10-12') | A-1(16-18') | A-2(0-1')   | A-2(10-12') | A-2(19-21') | B-1(0-1')   | B-1(10-12') |
|--------------------------------|-------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Heptachlor epoxide             | µg/kg | ND (0.51) U | ND (0.50) U | ND (0.77) U | ND (0.49) U | ND (0.49) U | ND (0.51) U | ND (0.50) U | ND (0.52) U |
| Malathion                      | µg/kg | ND (5.4) U  | ND (5.3) U  | ND (8.2) U  | ND (5.2) U  | ND (5.2) U  | ND (5.4) U  | ND (5.3) U  | ND (5.5) U  |
| Merphos                        | µg/kg | ND (6.0) U  | ND (5.9) U  | ND (9.1) U  | ND (5.8) U  | ND (5.8) U  | ND (6.0) U  | ND (5.9) U  | ND (6.1) U  |
| Methoxychlor                   | µg/kg | ND (1.4) U  | ND (1.4) U  | ND (2.1) U  | ND (1.4) U  | ND (1.4) U  | ND (1.4) U  | ND (1.4) U  | ND (1.4) U  |
| Methyl parathion               | µg/kg | ND (5.4) U  | ND (5.3) U  | ND (8.1) U  | ND (5.2) U  | ND (5.2) U  | ND (5.3) U  | ND (5.2) U  | ND (5.4) U  |
| Mevinphos                      | µg/kg | ND (3.8) U  | ND (3.7) U  | ND (5.7) U  | ND (3.7) U  | ND (3.7) U  | ND (3.8) U  | ND (3.7) U  | ND (3.8) U  |
| Naled                          | µg/kg | ND (89) U   | ND (88) U   | ND (140) U  | ND (87) U   | ND (86) U   | ND (89) U   | ND (87) U   | ND (90) U   |
| O,O,O-Triethylphosphorothioate | µg/kg | ND (2.4) U  | ND (2.3) U  | ND (3.6) U  | ND (2.3) U  | ND (2.3) U  | ND (2.3) U  | ND (2.3) U  | ND (2.4) U  |
| Phorate                        | µg/kg | ND (2.4) U  | ND (2.4) U  | ND (3.6) U  | ND (2.3) U  | ND (2.3) U  | ND (2.4) U  | ND (2.3) U  | ND (2.4) U  |
| Ronnel                         | µg/kg | ND (4.1) U  | ND (4.1) U  | ND (6.2) U  | ND (4.0) U  | ND (4.0) U  | ND (4.1) U  | ND (4.0) U  | ND (4.2) U  |
| Sulfotepp                      | µg/kg | ND (2.1) U  | ND (2.1) U  | ND (3.2) U  | ND (2.1) U  | ND (2.1) U  | ND (2.1) U  | ND (2.1) U  | ND (2.2) U  |
| Tetrachlorvinphos              | µg/kg | ND (2.9) U  | ND (2.9) U  | ND (4.4) U  | ND (2.8) U  | ND (2.8) U  | ND (2.9) U  | ND (2.8) U  | ND (2.9) U  |
| Thionazin                      | µg/kg | ND (2.3) U  | ND (2.3) U  | ND (3.5) U  | ND (2.2) U  | ND (2.2) U  | ND (2.3) U  | ND (2.3) U  | ND (2.3) U  |
| Tokuthion                      | µg/kg | ND (2.2) U  | ND (2.2) U  | ND (3.3) U  | ND (2.1) U  | ND (2.1) U  | ND (2.2) U  | ND (2.1) U  | ND (2.2) U  |
| Toxaphene                      | µg/kg | ND (46) U   | ND (45) U   | ND (69) U   | ND (44) U   | ND (44) U   | ND (45) U   | ND (44) U   | ND (46) U   |
| Trichloronate                  | µg/kg | ND (2.4) U  | ND (2.3) U  | ND (3.6) U  | ND (2.3) U  | ND (2.3) U  | ND (2.4) U  | ND (2.3) U  | ND (2.4) U  |

**TABLE D-9.3**  
**Summary of Soil Analytical Data**  
**Pesticides**

| Parameter          | Units | B-1(19-21') | B-2(0-1')  | B-2(4-5')   | B-3(0-1')   | B-3(4-5')   | DUP 1       | DUP 2       |
|--------------------|-------|-------------|------------|-------------|-------------|-------------|-------------|-------------|
| 4,4'-DDD           | µg/kg | ND (0.85) U | ND (3.6) U | ND (0.67) U | ND (0.67) U | ND (0.72) U | ND (0.86) U | ND (0.69) U |
| 4,4'-DDE           | µg/kg | ND (1.2) U  | 74         | ND (0.93) U | ND (0.92) U | ND (0.99) U | ND (1.2) U  | ND (0.94) U |
| 4,4'-DDT           | µg/kg | ND (0.93) U | 69         | ND (0.74) U | ND (0.73) U | ND (0.79) U | ND (0.94) U | ND (0.75) U |
| Aldrin             | µg/kg | ND (0.88) U | ND (3.7) U | ND (0.69) U | ND (0.69) U | ND (0.75) U | ND (0.89) U | ND (0.71) U |
| alpha-BHC          | µg/kg | ND (1.0) U  | ND (4.3) U | ND (0.80) U | ND (0.79) U | ND (0.86) U | ND (1.0) U  | ND (0.82) U |
| alpha-Chlordane    | µg/kg | ND (0.60) U | ND (2.6) U | ND (0.47) U | ND (0.47) U | ND (0.51) U | ND (0.60) U | ND (0.48) U |
| Azinphos-methyl    | µg/kg | ND (5.5) U  | ND (4.7) U | ND (4.3) U  | ND (4.3) U  | ND (4.7) U  | ND (5.5) U  | ND (4.4) U  |
| beta-BHC           | µg/kg | ND (0.95) U | 20         | ND (0.75) U | ND (0.74) U | ND (0.80) U | ND (0.95) U | ND (0.76) U |
| Bolstar            | µg/kg | ND (2.6) U  | ND (2.2) U | ND (2.1) U  | ND (2.0) U  | ND (2.2) U  | ND (2.6) U  | ND (2.1) U  |
| Chlorpyrifos       | µg/kg | ND (3.9) U  | ND (3.3) U | ND (3.1) U  | ND (3.0) U  | ND (3.3) U  | ND (3.9) U  | ND (3.1) U  |
| Coumaphos          | µg/kg | ND (3.3) U  | ND (2.8) U | ND (2.6) U  | ND (2.6) U  | ND (2.8) U  | ND (3.3) U  | ND (2.7) U  |
| delta-BHC          | µg/kg | ND (0.59) U | ND (2.5) U | ND (0.46) U | ND (0.46) U | ND (0.50) U | ND (0.59) U | ND (0.47) U |
| Demeton (total)    | µg/kg | ND (8.6) U  | ND (7.3) U | ND (6.8) U  | ND (6.7) U  | ND (7.3) U  | ND (8.6) U  | ND (6.9) U  |
| Diazinon           | µg/kg | ND (2.6) U  | ND (2.2) U | ND (2.1) U  | ND (2.1) U  | ND (2.2) U  | ND (2.6) U  | ND (2.1) U  |
| Dichlorvos         | µg/kg | ND (6.0) U  | ND (5.1) U | ND (4.7) U  | ND (4.7) U  | ND (5.0) U  | ND (6.0) U  | ND (4.8) U  |
| Dieldrin           | µg/kg | ND (0.77) U | ND (3.3) U | ND (0.61) U | ND (0.61) U | ND (0.66) U | ND (0.78) U | ND (0.62) U |
| Dimethoate         | µg/kg | ND (5.0) U  | ND (4.3) U | ND (3.9) U  | ND (3.9) U  | ND (4.2) U  | ND (5.0) U  | ND (4.0) U  |
| Disulfoton         | µg/kg | ND (2.8) U  | ND (2.4) U | ND (2.2) U  | ND (2.2) U  | ND (2.4) U  | ND (2.8) U  | ND (2.2) U  |
| Endosulfan I       | µg/kg | ND (0.67) U | ND (2.8) U | ND (0.53) U | ND (0.52) U | ND (0.57) U | ND (0.67) U | ND (0.54) U |
| Endosulfan II      | µg/kg | ND (0.84) U | ND (3.6) U | ND (0.66) U | ND (0.66) U | ND (0.71) U | ND (0.85) U | ND (0.68) U |
| Endosulfan sulfate | µg/kg | ND (0.71) U | ND (3.0) U | ND (0.56) U | ND (0.55) U | ND (0.60) U | ND (0.71) U | ND (0.57) U |
| Endrin             | µg/kg | ND (0.75) U | 21         | ND (0.59) U | ND (0.58) U | ND (0.63) U | ND (0.75) U | ND (0.60) U |
| Endrin aldehyde    | µg/kg | ND (1.5) U  | ND (6.5) U | ND (1.2) U  | ND (1.2) U  | ND (1.3) U  | ND (1.5) U  | ND (1.2) U  |
| Endrin ketone      | µg/kg | ND (0.71) U | ND (3.0) U | ND (0.56) U | ND (0.55) U | ND (0.60) U | ND (0.71) U | ND (0.57) U |
| Ethoprop           | µg/kg | ND (4.0) U  | ND (3.4) U | ND (3.1) U  | ND (3.1) U  | ND (3.4) U  | ND (4.0) U  | ND (3.2) U  |
| Ethyl parathion    | µg/kg | ND (2.0) U  | ND (1.7) U | ND (1.6) U  | ND (1.6) U  | ND (1.7) U  | ND (2.0) U  | ND (1.6) U  |
| Famphur            | µg/kg | ND (3.4) U  | ND (2.9) U | ND (2.7) U  | ND (2.7) U  | ND (2.9) U  | ND (3.4) U  | ND (2.7) U  |
| Fensulfothion      | µg/kg | ND (7.6) U  | ND (6.5) U | ND (6.0) U  | ND (5.9) U  | ND (6.4) U  | ND (7.6) U  | ND (6.1) U  |
| Fenthion           | µg/kg | ND (7.8) U  | ND (6.6) U | ND (6.1) U  | ND (6.1) U  | ND (6.6) U  | ND (7.8) U  | ND (6.2) U  |
| gamma-BHC          | µg/kg | ND (0.79) U | ND (3.3) U | ND (0.62) U | ND (0.62) U | ND (0.67) U | ND (0.79) U | ND (0.63) U |
| gamma-Chlordane    | µg/kg | ND (1.3) U  | ND (5.4) U | ND (1.0) U  | ND (1.0) U  | ND (1.1) U  | ND (1.3) U  | ND (1.0) U  |
| Heptachlor         | µg/kg | ND (0.80) U | ND (3.4) U | ND (0.63) U | ND (0.63) U | ND (0.68) U | ND (0.81) U | ND (0.64) U |

**TABLE D-9.3**  
**Summary of Soil Analytical Data**  
**Pesticides**

| Parameter                      | Units | B-1(19-21') | B-2(0-1')  | B-2(4-5')   | B-3(0-1')   | B-3(4-5')   | DUP 1       | DUP 2       |
|--------------------------------|-------|-------------|------------|-------------|-------------|-------------|-------------|-------------|
| Heptachlor epoxide             | µg/kg | ND (0.63) U | ND (2.7) U | ND (0.49) U | ND (0.49) U | ND (0.53) U | ND (0.63) U | ND (0.50) U |
| Malathion                      | µg/kg | ND (6.6) U  | ND (5.6) U | ND (5.2) U  | ND (5.2) U  | ND (5.6) U  | ND (6.7) U  | ND (5.3) U  |
| Merphos                        | µg/kg | ND (7.4) U  | ND (6.3) U | ND (5.8) U  | ND (5.8) U  | ND (6.3) U  | ND (7.4) U  | ND (6.0) U  |
| Methoxychlor                   | µg/kg | ND (1.7) U  | 27         | ND (1.4) U  | ND (1.4) U  | ND (1.5) U  | ND (1.7) U  | ND (1.4) U  |
| Methyl parathion               | µg/kg | ND (6.6) U  | ND (5.6) U | ND (5.2) U  | ND (5.2) U  | ND (5.6) U  | ND (6.6) U  | ND (5.3) U  |
| Mevinphos                      | µg/kg | ND (4.6) U  | ND (3.9) U | ND (3.7) U  | ND (3.6) U  | ND (3.9) U  | ND (4.7) U  | ND (3.7) U  |
| Naled                          | µg/kg | ND (110) U  | ND (93) U  | ND (87) U   | ND (86) U   | ND (93) U   | ND (110) U  | ND (88) U   |
| O,O,O-Triethylphosphorothioate | µg/kg | ND (2.9) U  | ND (2.5) U | ND (2.3) U  | ND (2.3) U  | ND (2.5) U  | ND (2.9) U  | ND (2.3) U  |
| Phorate                        | µg/kg | ND (3.0) U  | ND (2.5) U | ND (2.3) U  | ND (2.3) U  | ND (2.5) U  | ND (3.0) U  | ND (2.4) U  |
| Ronnel                         | µg/kg | ND (5.1) U  | ND (4.3) U | ND (4.0) U  | ND (4.0) U  | ND (4.3) U  | ND (5.1) U  | ND (4.1) U  |
| Sulfotepp                      | µg/kg | ND (2.6) U  | ND (2.2) U | ND (2.1) U  | ND (2.1) U  | ND (2.2) U  | ND (2.7) U  | ND (2.1) U  |
| Tetrachlorvinphos              | µg/kg | ND (3.6) U  | ND (3.0) U | ND (2.8) U  | ND (2.8) U  | ND (3.0) U  | ND (3.6) U  | ND (2.9) U  |
| Thionazin                      | µg/kg | ND (2.8) U  | ND (2.4) U | ND (2.2) U  | ND (2.2) U  | ND (2.4) U  | ND (2.9) U  | ND (2.3) U  |
| Tokuthion                      | µg/kg | ND (2.7) U  | ND (2.3) U | ND (2.1) U  | ND (2.1) U  | ND (2.3) U  | ND (2.7) U  | ND (2.2) U  |
| Toxaphene                      | µg/kg | ND (56) U   | ND (240) U | ND (44) U   | ND (44) U   | ND (47) U   | ND (56) U   | ND (45) U   |
| Trichloronate                  | µg/kg | ND (2.9) U  | ND (2.5) U | ND (2.3) U  | ND (2.3) U  | ND (2.5) U  | ND (2.9) U  | ND (2.4) U  |



**TABLE D-9.3**  
**Summary of Soil Analytical Data**  
**Pesticides**

| Parameter          | Units | DUP 3       | E-1(0-1')   | E-1(4-5')   | E-2(0-1')   | E-2(4-5')   | E-2(6-8')   | P-1(0-1')   | P-1(10-12') |
|--------------------|-------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 4,4'-DDD           | µg/kg | ND (0.67) U | ND (0.68) U | ND (0.68) U | ND (0.67) U | ND (0.67) U | ND (0.74) U | ND (0.66) U | ND (0.68) U |
| 4,4'-DDE           | µg/kg | ND (0.92) U | ND (0.93) U | ND (0.92) U | ND (0.92) U | ND (0.92) U | ND (1.0) U  | ND (0.91) U | ND (0.94) U |
| 4,4'-DDT           | µg/kg | ND (0.73) U | ND (0.74) U | ND (0.73) U | ND (0.73) U | ND (0.73) U | ND (0.81) U | 2.2         | ND (0.75) U |
| Aldrin             | µg/kg | ND (0.69) U | ND (0.70) U | ND (0.69) U | ND (0.69) U | ND (0.69) U | ND (0.77) U | ND (0.68) U | ND (0.70) U |
| alpha-BHC          | µg/kg | ND (0.80) U | ND (0.80) U | ND (0.79) U | ND (0.79) U | ND (0.79) U | ND (0.88) U | ND (0.78) U | ND (0.81) U |
| alpha-Chlordane    | µg/kg | ND (0.47) U | ND (0.48) U | ND (0.47) U | ND (0.47) U | ND (0.47) U | ND (0.52) U | ND (0.46) U | ND (0.48) U |
| Azinphos-methyl    | µg/kg | ND (4.3) U  | ND (4.4) U  | ND (4.3) U  | ND (4.3) U  | ND (4.3) U  | ND (4.8) U  | ND (4.3) U  | ND (4.4) U  |
| beta-BHC           | µg/kg | ND (0.74) U | ND (0.75) U | ND (0.74) U | ND (0.74) U | ND (0.74) U | ND (0.82) U | ND (0.73) U | ND (0.76) U |
| Bolstar            | µg/kg | ND (2.1) U  | ND (2.1) U  | ND (2.0) U  | ND (2.0) U  | ND (2.0) U  | ND (2.3) U  | ND (2.0) U  | ND (2.1) U  |
| Chlorpyrifos       | µg/kg | ND (3.1) U  | ND (3.1) U  | ND (3.0) U  | ND (3.0) U  | ND (3.0) U  | ND (3.4) U  | ND (3.0) U  | ND (3.1) U  |
| Coumaphos          | µg/kg | ND (2.6) U  | ND (2.6) U  | ND (2.6) U  | ND (2.6) U  | ND (2.6) U  | ND (2.9) U  | ND (2.6) U  | ND (2.6) U  |
| delta-BHC          | µg/kg | ND (0.46) U | ND (0.47) U | ND (0.46) U | ND (0.46) U | ND (0.46) U | ND (0.51) U | ND (0.45) U | ND (0.47) U |
| Demeton (total)    | µg/kg | ND (6.7) U  | ND (6.8) U  | ND (6.7) U  | ND (6.7) U  | ND (6.7) U  | ND (7.5) U  | ND (6.6) U  | ND (6.9) U  |
| Diazinon           | µg/kg | ND (2.1) U  | ND (2.1) U  | ND (2.1) U  | ND (2.1) U  | ND (2.1) U  | ND (2.3) U  | ND (2.0) U  | ND (2.1) U  |
| Dichlorvos         | µg/kg | ND (4.7) U  | ND (4.7) U  | ND (4.6) U  | ND (4.7) U  | ND (4.7) U  | ND (5.2) U  | ND (4.6) U  | ND (4.8) U  |
| Diethrin           | µg/kg | ND (0.61) U | ND (0.61) U | ND (0.60) U | ND (0.60) U | ND (0.60) U | ND (0.67) U | ND (0.60) U | ND (0.62) U |
| Dimethoate         | µg/kg | ND (3.9) U  | ND (4.0) U  | ND (3.9) U  | ND (3.9) U  | ND (3.9) U  | ND (4.4) U  | ND (3.9) U  | ND (4.0) U  |
| Disulfoton         | µg/kg | ND (2.2) U  | ND (2.2) U  | ND (2.2) U  | ND (2.2) U  | ND (2.2) U  | ND (2.4) U  | ND (2.2) U  | ND (2.2) U  |
| Endosulfan I       | µg/kg | ND (0.52) U | ND (0.53) U | ND (0.52) U | ND (0.52) U | ND (0.52) U | ND (0.58) U | ND (0.52) U | ND (0.53) U |
| Endosulfan II      | µg/kg | ND (0.66) U | ND (0.67) U | ND (0.66) U | ND (0.66) U | ND (0.66) U | ND (0.73) U | ND (0.65) U | ND (0.67) U |
| Endosulfan sulfate | µg/kg | ND (0.56) U | ND (0.56) U | ND (0.55) U | ND (0.55) U | ND (0.55) U | ND (0.62) U | ND (0.55) U | ND (0.57) U |
| Endrin             | µg/kg | ND (0.59) U | ND (0.59) U | ND (0.58) U | ND (0.58) U | ND (0.58) U | ND (0.65) U | ND (0.58) U | ND (0.60) U |
| Endrin aldehyde    | µg/kg | ND (1.2) U  | ND (1.2) U  | ND (1.2) U  | ND (1.2) U  | ND (1.2) U  | ND (1.3) U  | ND (1.2) U  | ND (1.2) U  |
| Endrin ketone      | µg/kg | ND (0.56) U | ND (0.56) U | ND (0.55) U | ND (0.55) U | ND (0.55) U | ND (0.62) U | ND (0.55) U | ND (0.57) U |
| Ethioprop          | µg/kg | ND (3.1) U  | ND (3.2) U  | ND (3.1) U  | ND (3.1) U  | ND (3.1) U  | ND (3.5) U  | ND (3.1) U  | ND (3.2) U  |
| Ethyl parathion    | µg/kg | ND (1.6) U  | ND (1.6) U  | ND (1.6) U  | ND (1.6) U  | ND (1.6) U  | ND (1.7) U  | ND (1.5) U  | ND (1.6) U  |
| Famphur            | µg/kg | ND (2.7) U  | ND (2.7) U  | ND (2.7) U  | ND (2.7) U  | ND (2.7) U  | ND (3.0) U  | ND (2.6) U  | ND (2.7) U  |
| Fensulfothion      | µg/kg | ND (6.0) U  | ND (6.0) U  | ND (5.9) U  | ND (5.9) U  | ND (5.9) U  | ND (6.6) U  | ND (5.9) U  | ND (6.1) U  |
| Fenthion           | µg/kg | ND (6.1) U  | ND (6.1) U  | ND (6.0) U  | ND (6.0) U  | ND (6.0) U  | ND (6.7) U  | ND (6.0) U  | ND (6.2) U  |
| gamma-BHC          | µg/kg | ND (0.62) U | ND (0.62) U | ND (0.61) U | ND (0.62) U | ND (0.62) U | ND (0.69) U | ND (0.61) U | ND (0.63) U |
| gamma-Chlordane    | µg/kg | ND (1.0) U  | ND (1.0) U  | ND (1.0) U  | ND (1.0) U  | ND (1.0) U  | ND (1.1) U  | ND (0.99) U | ND (1.0) U  |
| Heptachlor         | µg/kg | ND (0.63) U | ND (0.63) U | ND (0.62) U | ND (0.62) U | ND (0.62) U | ND (0.70) U | ND (0.62) U | ND (0.64) U |

**TABLE D-9.3**  
**Summary of Soil Analytical Data**  
**Pesticides**

| Parameter                      | Units | DUP 3       | E-1(0-1')   | E-1(4-5')   | E-2(0-1')   | E-2(4-5')   | E-2(6-8')  | P-1(0-1')   | P-1(10-12') |
|--------------------------------|-------|-------------|-------------|-------------|-------------|-------------|------------|-------------|-------------|
| Heptachlor epoxide             | µg/kg | ND (0.49) U | ND (0.50) U | ND (0.50) U | ND (0.49) U | ND (0.49) U | 5.5        | ND (0.48) U | ND (0.50) U |
| Malathion                      | µg/kg | ND (5.2) U  | ND (5.3) U  | ND (5.3) U  | ND (5.2) U  | ND (5.2) U  | ND (5.8) U | ND (5.1) U  | ND (5.3) U  |
| Merphos                        | µg/kg | ND (5.8) U  | ND (5.9) U  | ND (5.9) U  | ND (5.8) U  | ND (5.8) U  | ND (6.4) U | ND (5.7) U  | ND (5.9) U  |
| Methoxychlor                   | µg/kg | ND (1.4) U  | ND (1.4) U  | ND (1.4) U  | ND (1.4) U  | ND (1.4) U  | ND (1.5) U | ND (1.3) U  | ND (1.4) U  |
| Methyl parathion               | µg/kg | ND (5.2) U  | ND (5.2) U  | ND (5.1) U  | ND (5.1) U  | ND (5.2) U  | ND (5.7) U | ND (5.1) U  | ND (5.3) U  |
| Mevinphos                      | µg/kg | ND (3.6) U  | ND (3.7) U  | ND (3.6) U  | ND (3.6) U  | ND (3.6) U  | ND (4.0) U | ND (3.6) U  | ND (3.7) U  |
| Naled                          | µg/kg | ND (86) U   | ND (87) U   | ND (87) U   | ND (86) U   | ND (86) U   | ND (96) U  | ND (85) U   | ND (88) U   |
| O,O,O-Triethylphosphorothioate | µg/kg | ND (2.3) U  | ND (2.3) U  | ND (2.3) U  | ND (2.3) U  | ND (2.3) U  | ND (2.5) U | ND (2.2) U  | ND (2.3) U  |
| Phorate                        | µg/kg | ND (2.3) U  | ND (2.3) U  | ND (2.3) U  | ND (2.3) U  | ND (2.3) U  | ND (2.6) U | ND (2.3) U  | ND (2.4) U  |
| Ronnel                         | µg/kg | ND (4.0) U  | ND (4.0) U  | ND (4.0) U  | ND (4.0) U  | ND (4.0) U  | ND (4.4) U | ND (3.9) U  | ND (4.1) U  |
| Sulfotepp                      | µg/kg | ND (2.1) U  | ND (2.1) U  | ND (2.1) U  | ND (2.1) U  | ND (2.1) U  | ND (2.3) U | ND (2.0) U  | ND (2.1) U  |
| Tetrachlorvinphos              | µg/kg | ND (2.8) U  | ND (2.8) U  | ND (2.8) U  | ND (2.8) U  | ND (2.8) U  | ND (3.1) U | ND (2.7) U  | ND (2.8) U  |
| Thionazin                      | µg/kg | ND (2.2) U  | ND (2.3) U  | ND (2.2) U  | ND (2.2) U  | ND (2.2) U  | ND (2.5) U | ND (2.2) U  | ND (2.3) U  |
| Tokuthion                      | µg/kg | ND (2.1) U  | ND (2.1) U  | ND (2.1) U  | ND (2.1) U  | ND (2.1) U  | ND (2.3) U | ND (2.1) U  | ND (2.1) U  |
| Toxaphene                      | µg/kg | ND (44) U   | ND (44) U   | ND (44) U   | ND (44) U   | ND (44) U   | ND (49) U  | ND (43) U   | ND (45) U   |
| Trichloronate                  | µg/kg | ND (2.3) U  | ND (2.3) U  | ND (2.3) U  | ND (2.3) U  | ND (2.3) U  | ND (2.5) U | ND (2.3) U  | ND (2.3) U  |

**TABLE D-9.3**  
**Summary of Soil Analytical Data**  
**Pesticides**

| Parameter          | Units | P-1(18-20') | P-10(0-1')  | P-10(10-11') | P-10(12-12 5') | P-10(16 5-17 5') | P-11(0-1')  | P-11(15-17') |
|--------------------|-------|-------------|-------------|--------------|----------------|------------------|-------------|--------------|
| 4,4'-DDD           | µg/kg | ND (0.70) U | 3.4         | ND (0.69) U  |                | ND (0.70) U      | ND (0.66) U | ND (0.71) U  |
| 4,4'-DDE           | µg/kg | ND (0.96) U | 11          | ND (0.95) U  |                | ND (0.97) U      | 3.8         | ND (0.98) U  |
| 4,4'-DDT           | µg/kg | ND (0.76) U | 28          | ND (0.76) U  |                | ND (0.77) U      | 1.9         | ND (0.78) U  |
| Aldrin             | µg/kg | ND (0.72) U | ND (0.69) U | ND (0.71) U  |                | ND (0.73) U      | ND (0.68) U | ND (0.73) U  |
| alpha-BHC          | µg/kg | ND (0.83) U | ND (0.80) U | ND (0.82) U  |                | ND (0.84) U      | ND (0.78) U | ND (0.85) U  |
| alpha-Chlordane    | µg/kg | ND (0.49) U | ND (0.47) U | ND (0.49) U  |                | ND (0.50) U      | ND (0.46) U | ND (0.50) U  |
| Azinphos-methyl    | µg/kg | ND (4.5) U  | ND (4.3) U  | ND (4.4) U   |                | ND (4.5) U       | ND (4.2) U  | ND (4.6) U   |
| beta-BHC           | µg/kg | ND (0.77) U | 4           | ND (0.77) U  |                | ND (0.78) U      | ND (0.73) U | ND (0.79) U  |
| Bolstar            | µg/kg | ND (2.1) U  | ND (2.1) U  | ND (2.1) U   |                | ND (2.2) U       | ND (2.0) U  | ND (2.2) U   |
| Chlorpyrifos       | µg/kg | ND (3.2) U  | ND (3.1) U  | ND (3.2) U   |                | ND (3.2) U       | ND (3.0) U  | ND (3.2) U   |
| Coumaphos          | µg/kg | ND (2.7) U  | ND (2.6) U  | ND (2.7) U   |                | ND (2.7) U       | ND (2.5) U  | ND (2.8) U   |
| delta-BHC          | µg/kg | ND (0.48) U | ND (0.46) U | ND (0.47) U  |                | ND (0.48) U      | ND (0.45) U | ND (0.49) U  |
| Demeton (total)    | µg/kg | ND (7.0) U  | ND (6.7) U  | ND (6.9) U   |                | ND (7.1) U       | ND (6.6) U  | ND (7.2) U   |
| Diazinon           | µg/kg | ND (2.2) U  | ND (2.1) U  | ND (2.1) U   |                | ND (2.2) U       | ND (2.0) U  | ND (2.2) U   |
| Dichlorvos         | µg/kg | ND (4.9) U  | ND (4.7) U  | ND (4.8) U   |                | ND (4.9) U       | ND (4.6) U  | ND (5.0) U   |
| Dieldrin           | µg/kg | ND (0.63) U | 4.3         | ND (0.63) U  |                | ND (0.64) U      | ND (0.59) U | ND (0.64) U  |
| Dimethoate         | µg/kg | ND (4.1) U  | ND (3.9) U  | ND (4.0) U   |                | ND (4.1) U       | ND (3.8) U  | ND (4.2) U   |
| Disulfoton         | µg/kg | ND (2.3) U  | ND (2.2) U  | ND (2.3) U   |                | ND (2.3) U       | ND (2.1) U  | ND (2.3) U   |
| Endosulfan I       | µg/kg | ND (0.55) U | ND (0.52) U | ND (0.54) U  |                | ND (0.55) U      | ND (0.51) U | ND (0.56) U  |
| Endosulfan II      | µg/kg | ND (0.69) U | 4.4         | ND (0.68) U  |                | ND (0.69) U      | ND (0.65) U | ND (0.70) U  |
| Endosulfan sulfate | µg/kg | ND (0.58) U | 8.7         | ND (0.57) U  |                | ND (0.58) U      | ND (0.54) U | ND (0.59) U  |
| Endrin             | µg/kg | ND (0.61) U | ND (0.59) U | ND (0.60) U  |                | ND (0.62) U      | ND (0.57) U | ND (0.62) U  |
| Endrin aldehyde    | µg/kg | ND (1.2) U  | ND (1.2) U  | ND (1.2) U   |                | ND (1.3) U       | 13          | ND (1.3) U   |
| Endrin ketone      | µg/kg | ND (0.58) U | 2.8         | ND (0.57) U  |                | ND (0.58) U      | ND (0.54) U | ND (0.59) U  |
| Ethoprop           | µg/kg | ND (3.3) U  | ND (3.1) U  | ND (3.2) U   |                | ND (3.3) U       | ND (3.1) U  | ND (3.3) U   |
| Ethyl parathion    | µg/kg | ND (1.6) U  | ND (1.6) U  | ND (1.6) U   |                | ND (1.6) U       | ND (1.5) U  | ND (1.7) U   |
| Famphur            | µg/kg | ND (2.8) U  | ND (2.7) U  | ND (2.8) U   |                | ND (2.8) U       | ND (2.6) U  | ND (2.8) U   |
| Fensulfothion      | µg/kg | ND (6.2) U  | ND (6.0) U  | ND (6.2) U   |                | ND (6.3) U       | ND (5.8) U  | ND (6.3) U   |
| Fenthion           | µg/kg | ND (6.3) U  | ND (6.1) U  | ND (6.3) U   |                | ND (6.4) U       | ND (6.0) U  | ND (6.5) U   |
| gamma-BHC          | µg/kg | ND (0.64) U | ND (0.62) U | ND (0.64) U  |                | ND (0.65) U      | ND (0.61) U | ND (0.66) U  |
| gamma-Chlordane    | µg/kg | ND (1.0) U  | ND (1.0) U  | ND (1.0) U   |                | ND (1.1) U       | ND (0.98) U | ND (1.1) U   |
| Heptachlor         | µg/kg | ND (0.65) U | ND (0.63) U | ND (0.65) U  |                | ND (0.66) U      | ND (0.62) U | ND (0.67) U  |

**TABLE D-9.3**  
**Summary of Soil Analytical Data**  
**Pesticides**

| Parameter                      | Units | P-1(18-20') | P-10(0-1')  | P-10(10-11') | P-10(12-12_5') | P-10(16_5-17_5') | P-11(0-1')  | P-11(15-17') |
|--------------------------------|-------|-------------|-------------|--------------|----------------|------------------|-------------|--------------|
| Heptachlor epoxide             | µg/kg | ND (0.51) U | ND (0.49) U | ND (0.51) U  |                | ND (0.52) U      | ND (0.48) U | ND (0.52) U  |
| Malathion                      | µg/kg | ND (5.4) U  | ND (5.2) U  | ND (5.4) U   |                | ND (5.5) U       | ND (5.1) U  | ND (5.5) U   |
| Merphos                        | µg/kg | ND (6.1) U  | ND (5.8) U  | ND (6.0) U   |                | ND (6.1) U       | ND (5.7) U  | ND (6.2) U   |
| Methoxychlor                   | µg/kg | ND (1.4) U  | 6.9         | ND (1.4) U   |                | ND (1.4) U       | ND (1.3) U  | ND (1.4) U   |
| Methyl parathion               | µg/kg | ND (5.4) U  | ND (5.2) U  | ND (5.3) U   |                | ND (5.4) U       | ND (5.1) U  | ND (5.5) U   |
| Mevinphos                      | µg/kg | ND (3.8) U  | ND (3.6) U  | ND (3.8) U   |                | ND (3.8) U       | ND (3.6) U  | ND (3.9) U   |
| Naled                          | µg/kg | ND (90) U   | ND (86) U   | ND (89) U    |                | ND (91) U        | ND (84) U   | ND (92) U    |
| O,O,O-Triethylphosphorothioate | µg/kg | ND (2.4) U  | ND (2.3) U  | ND (2.3) U   |                | ND (2.4) U       | ND (2.2) U  | ND (2.4) U   |
| Phorate                        | µg/kg | ND (2.4) U  | ND (2.3) U  | ND (2.4) U   |                | ND (2.4) U       | ND (2.3) U  | ND (2.5) U   |
| Ronnel                         | µg/kg | ND (4.1) U  | ND (4.0) U  | ND (4.1) U   |                | ND (4.2) U       | ND (3.9) U  | ND (4.2) U   |
| Sulfotepp                      | µg/kg | ND (2.2) U  | ND (2.1) U  | ND (2.1) U   |                | ND (2.2) U       | ND (2.0) U  | ND (2.2) U   |
| Tetrachlorvinphos              | µg/kg | ND (2.9) U  | ND (2.8) U  | ND (2.9) U   |                | ND (2.9) U       | ND (2.7) U  | ND (3.0) U   |
| Thionazin                      | µg/kg | ND (2.3) U  | ND (2.2) U  | ND (2.3) U   |                | ND (2.3) U       | ND (2.2) U  | ND (2.4) U   |
| Tokuthion                      | µg/kg | ND (2.2) U  | ND (2.1) U  | ND (2.2) U   |                | ND (2.2) U       | ND (2.1) U  | ND (2.2) U   |
| Toxaphene                      | µg/kg | ND (46) U   | ND (44) U   | ND (45) U    |                | ND (46) U        | ND (43) U   | ND (47) U    |
| Trichloronate                  | µg/kg | ND (2.4) U  | ND (2.3) U  | ND (2.4) U   |                | ND (2.4) U       | ND (2.2) U  | ND (2.4) U   |

**TABLE D-9.3**  
**Summary of Soil Analytical Data**  
**Pesticides**

| Parameter          | Units | P-11(4-5')  | P-12(0-1')  | P-12(15-17') | P-12(4-5')  | P-13(0-1')  | P-13(4-5')  | P-14(0-1')  | P-14(4-5')  |
|--------------------|-------|-------------|-------------|--------------|-------------|-------------|-------------|-------------|-------------|
| 4,4'-DDD           | µg/kg | ND (0.67) U | ND (0.68) U | ND (0.70) U  | ND (0.65) U | ND (0.70) U | ND (0.68) U | ND (0.68) U | ND (0.71) U |
| 4,4'-DDE           | µg/kg | ND (0.92) U | ND (0.94) U | ND (0.96) U  | ND (0.90) U | ND (0.96) U | ND (0.94) U | ND (0.93) U | ND (0.98) U |
| 4,4'-DDT           | µg/kg | ND (0.73) U | ND (0.75) U | ND (0.76) U  | ND (0.71) U | ND (0.77) U | ND (0.75) U | ND (0.74) U | ND (0.78) U |
| Aldrin             | µg/kg | ND (0.69) U | ND (0.70) U | ND (0.72) U  | ND (0.67) U | ND (0.72) U | ND (0.70) U | ND (0.70) U | ND (0.74) U |
| alpha-BHC          | µg/kg | ND (0.79) U | ND (0.81) U | ND (0.83) U  | ND (0.78) U | ND (0.83) U | ND (0.81) U | ND (0.80) U | ND (0.85) U |
| alpha-Chlordane    | µg/kg | ND (0.47) U | ND (0.48) U | ND (0.49) U  | ND (0.46) U | ND (0.49) U | ND (0.48) U | ND (0.48) U | ND (0.50) U |
| Azinphos-methyl    | µg/kg | ND (4.3) U  | ND (4.4) U  | ND (4.5) U   | ND (4.2) U  | ND (4.5) U  | ND (4.4) U  | ND (4.4) U  | ND (4.6) U  |
| beta-BHC           | µg/kg | ND (0.74) U | ND (0.76) U | ND (0.78) U  | 3.7         | ND (0.78) U | ND (0.76) U | ND (0.75) U | ND (0.79) U |
| Bolstar            | µg/kg | ND (2.0) U  | ND (2.1) U  | ND (2.1) U   | ND (2.0) U  | ND (2.1) U  | ND (2.1) U  | ND (2.1) U  | ND (2.2) U  |
| Chlorpyrifos       | µg/kg | ND (3.0) U  | ND (3.1) U  | ND (3.2) U   | ND (3.0) U  | ND (3.2) U  | ND (3.1) U  | ND (3.1) U  | ND (3.3) U  |
| Coumaphos          | µg/kg | ND (2.6) U  | ND (2.6) U  | ND (2.7) U   | ND (2.5) U  | ND (2.7) U  | ND (2.6) U  | ND (2.6) U  | ND (2.8) U  |
| delta-BHC          | µg/kg | ND (0.46) U | ND (0.47) U | ND (0.48) U  | ND (0.45) U | ND (0.48) U | ND (0.47) U | ND (0.47) U | ND (0.49) U |
| Demeton (total)    | µg/kg | ND (6.7) U  | ND (6.9) U  | ND (7.0) U   | ND (6.6) U  | ND (7.0) U  | ND (6.9) U  | ND (6.8) U  | ND (7.2) U  |
| Diazinon           | µg/kg | ND (2.1) U  | ND (2.1) U  | ND (2.2) U   | ND (2.0) U  | ND (2.2) U  | ND (2.1) U  | ND (2.1) U  | ND (2.2) U  |
| Dichlorvos         | µg/kg | ND (4.7) U  | ND (4.8) U  | ND (4.9) U   | ND (4.5) U  | ND (4.9) U  | ND (4.8) U  | ND (4.7) U  | ND (5.0) U  |
| Dieldrin           | µg/kg | ND (0.60) U | ND (0.62) U | ND (0.63) U  | ND (0.59) U | ND (0.64) U | ND (0.62) U | ND (0.61) U | ND (0.65) U |
| Dimethoate         | µg/kg | ND (3.9) U  | ND (4.0) U  | ND (4.1) U   | ND (3.8) U  | ND (4.1) U  | ND (4.0) U  | ND (4.0) U  | ND (4.2) U  |
| Disulfoton         | µg/kg | ND (2.2) U  | ND (2.2) U  | ND (2.3) U   | ND (2.1) U  | ND (2.3) U  | ND (2.2) U  | ND (2.2) U  | ND (2.3) U  |
| Endosulfan I       | µg/kg | ND (0.52) U | ND (0.53) U | ND (0.55) U  | ND (0.51) U | ND (0.55) U | ND (0.53) U | ND (0.53) U | ND (0.56) U |
| Endosulfan II      | µg/kg | ND (0.66) U | ND (0.67) U | ND (0.69) U  | ND (0.64) U | ND (0.69) U | ND (0.67) U | ND (0.67) U | ND (0.70) U |
| Endosulfan sulfate | µg/kg | ND (0.55) U | ND (0.57) U | ND (0.58) U  | ND (0.54) U | ND (0.58) U | ND (0.57) U | ND (0.56) U | ND (0.59) U |
| Endrin             | µg/kg | ND (0.58) U | ND (0.60) U | ND (0.61) U  | ND (0.57) U | ND (0.61) U | ND (0.60) U | ND (0.59) U | ND (0.62) U |
| Endrin aldehyde    | µg/kg | ND (1.2) U  | ND (1.2) U  | ND (1.2) U   | ND (1.2) U  | ND (1.2) U  | ND (1.2) U  | ND (1.2) U  | ND (1.3) U  |
| Endrin ketone      | µg/kg | ND (0.55) U | ND (0.57) U | ND (0.58) U  | ND (0.54) U | ND (0.58) U | ND (0.57) U | ND (0.56) U | ND (0.59) U |
| Ethoprop           | µg/kg | ND (3.1) U  | ND (3.2) U  | ND (3.3) U   | ND (3.0) U  | ND (3.3) U  | ND (3.2) U  | ND (3.2) U  | ND (3.3) U  |
| Ethyl parathion    | µg/kg | ND (1.6) U  | ND (1.6) U  | ND (1.6) U   | ND (1.5) U  | ND (1.6) U  | ND (1.6) U  | ND (1.6) U  | ND (1.7) U  |
| Famphur            | µg/kg | ND (2.7) U  | ND (2.7) U  | ND (2.8) U   | ND (2.6) U  | ND (2.8) U  | ND (2.7) U  | ND (2.7) U  | ND (2.8) U  |
| Fensulfothion      | µg/kg | ND (5.9) U  | ND (6.1) U  | ND (6.2) U   | ND (5.8) U  | ND (6.2) U  | ND (6.1) U  | ND (6.0) U  | ND (6.4) U  |
| Fenthion           | µg/kg | ND (6.1) U  | ND (6.2) U  | ND (6.3) U   | ND (5.9) U  | ND (6.4) U  | ND (6.2) U  | ND (6.1) U  | ND (6.5) U  |
| gamma-BHC          | µg/kg | ND (0.62) U | ND (0.63) U | ND (0.64) U  | ND (0.60) U | ND (0.65) U | ND (0.63) U | ND (0.62) U | ND (0.66) U |
| gamma-Chlordane    | µg/kg | ND (1.0) U  | ND (1.0) U  | ND (1.0) U   | ND (0.98) U | ND (1.1) U  | ND (1.0) U  | ND (1.0) U  | ND (1.1) U  |
| Heptachlor         | µg/kg | ND (0.63) U | ND (0.64) U | ND (0.66) U  | ND (0.61) U | ND (0.66) U | ND (0.64) U | ND (0.63) U | ND (0.67) U |

**TABLE D-9.3**  
**Summary of Soil Analytical Data**  
**Pesticides**

| Parameter                                               | Units | P-11(4-5')  | P-12(0-1')  | P-12(15-17') | P-12(4-5')  | P-13(0-1')  | P-13(4-5')  | P-14(0-1')  | P-14(4-5')  |
|---------------------------------------------------------|-------|-------------|-------------|--------------|-------------|-------------|-------------|-------------|-------------|
| Heptachlor epoxide                                      | µg/kg | ND (0.49) U | ND (0.50) U | ND (0.51) U  | ND (0.48) U | ND (0.51) U | ND (0.50) U | ND (0.50) U | ND (0.52) U |
| Malathion                                               | µg/kg | ND (5.2) U  | ND (5.3) U  | ND (5.4) U   | ND (5.1) U  | ND (5.4) U  | ND (5.3) U  | ND (5.3) U  | ND (5.5) U  |
| Merphos                                                 | µg/kg | ND (5.8) U  | ND (5.9) U  | ND (6.1) U   | ND (5.7) U  | ND (6.1) U  | ND (5.9) U  | ND (5.9) U  | ND (6.2) U  |
| Methoxychlor                                            | µg/kg | ND (1.4) U  | ND (1.4) U  | ND (1.4) U   | ND (1.3) U  | ND (1.4) U  | ND (1.4) U  | ND (1.4) U  | ND (1.5) U  |
| Methyl parathion                                        | µg/kg | ND (5.2) U  | ND (5.3) U  | ND (5.4) U   | ND (5.0) U  | ND (5.4) U  | ND (5.3) U  | ND (5.2) U  | ND (5.5) U  |
| Mevinphos                                               | µg/kg | ND (3.6) U  | ND (3.7) U  | ND (3.8) U   | ND (3.5) U  | ND (3.8) U  | ND (3.7) U  | ND (3.7) U  | ND (3.9) U  |
| Naled                                                   | µg/kg | ND (86) U   | ND (88) U   | ND (90) U    | ND (84) U   | ND (90) U   | ND (88) U   | ND (87) U   | ND (92) U   |
| O <sub>3</sub> O <sub>3</sub> -Triethylphosphorothioate | µg/kg | ND (2.3) U  | ND (2.3) U  | ND (2.4) U   | ND (2.2) U  | ND (2.4) U  | ND (2.3) U  | ND (2.3) U  | ND (2.4) U  |
| Phorate                                                 | µg/kg | ND (2.3) U  | ND (2.4) U  | ND (2.4) U   | ND (2.3) U  | ND (2.4) U  | ND (2.4) U  | ND (2.3) U  | ND (2.5) U  |
| Ronnel                                                  | µg/kg | ND (4.0) U  | ND (4.1) U  | ND (4.1) U   | ND (3.9) U  | ND (4.2) U  | ND (4.1) U  | ND (4.0) U  | ND (4.2) U  |
| Sulfotepp                                               | µg/kg | ND (2.1) U  | ND (2.1) U  | ND (2.2) U   | ND (2.0) U  | ND (2.2) U  | ND (2.1) U  | ND (2.1) U  | ND (2.2) U  |
| Tetrachlorvinphos                                       | µg/kg | ND (2.8) U  | ND (2.8) U  | ND (2.9) U   | ND (2.7) U  | ND (2.9) U  | ND (2.8) U  | ND (2.8) U  | ND (3.0) U  |
| Thionazin                                               | µg/kg | ND (2.2) U  | ND (2.3) U  | ND (2.3) U   | ND (2.2) U  | ND (2.3) U  | ND (2.3) U  | ND (2.3) U  | ND (2.4) U  |
| Tokuthion                                               | µg/kg | ND (2.1) U  | ND (2.1) U  | ND (2.2) U   | ND (2.0) U  | ND (2.2) U  | ND (2.1) U  | ND (2.1) U  | ND (2.2) U  |
| Toxaphene                                               | µg/kg | ND (44) U   | ND (45) U   | ND (46) U    | ND (43) U   | ND (46) U   | ND (45) U   | ND (44) U   | ND (47) U   |
| Trichloronate                                           | µg/kg | ND (2.3) U  | ND (2.3) U  | ND (2.4) U   | ND (2.2) U  | ND (2.4) U  | ND (2.3) U  | ND (2.3) U  | ND (2.4) U  |

**TABLE D-9.3**  
**Summary of Soil Analytical Data**  
**Pesticides**

| Parameter          | Units | P-15(0-1')  | P-15(4-5')  | P-16(0-1')  | P-16(4-5')  | P-17(0-1')  | P-17(4-5')  | P-17(6-8')  | P-2(0-1')   |
|--------------------|-------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 4,4'-DDD           | µg/kg | ND (0.70) U | ND (0.73) U | ND (0.69) U | ND (0.69) U | ND (0.67) U | ND (0.73) U | ND (0.71) U | ND (0.67) U |
| 4,4'-DDE           | µg/kg | 18          | 2.1         | ND (0.95) U | ND (0.95) U | ND (0.92) U | ND (1.0) U  | ND (0.98) U | 2.1         |
| 4,4'-DDT           | µg/kg | 3.5         | ND (0.80) U | ND (0.76) U | ND (0.75) U | ND (0.73) U | ND (0.80) U | ND (0.78) U | 1.8         |
| Aldrin             | µg/kg | ND (0.72) U | ND (0.75) U | ND (0.71) U | ND (0.71) U | ND (0.69) U | ND (0.76) U | ND (0.73) U | ND (0.69) U |
| alpha-BHC          | µg/kg | ND (0.83) U | ND (0.86) U | ND (0.82) U | ND (0.82) U | ND (0.80) U | ND (0.87) U | ND (0.84) U | ND (0.79) U |
| alpha-Chlordane    | µg/kg | ND (0.49) U | ND (0.51) U | ND (0.49) U | ND (0.48) U | ND (0.47) U | ND (0.52) U | ND (0.50) U | ND (0.47) U |
| Azinphos-methyl    | µg/kg | ND (4.5) U  | ND (4.7) U  | ND (4.5) U  | ND (4.4) U  | ND (4.3) U  | ND (4.7) U  | ND (4.6) U  | ND (4.3) U  |
| beta-BHC           | µg/kg | 3.4         | ND (0.81) U | ND (0.77) U | ND (0.76) U | ND (0.74) U | 3.2         | ND (0.79) U | 4.4         |
| Bolstar            | µg/kg | ND (2.1) U  | ND (2.2) U  | ND (2.1) U  | ND (2.1) U  | ND (2.1) U  | ND (2.2) U  | ND (2.2) U  | ND (2.0) U  |
| Chlorpyrifos       | µg/kg | ND (3.2) U  | ND (3.3) U  | ND (3.2) U  | ND (3.1) U  | ND (3.1) U  | ND (3.3) U  | ND (3.2) U  | ND (3.0) U  |
| Coumaphos          | µg/kg | ND (2.7) U  | ND (2.8) U  | ND (2.7) U  | ND (2.7) U  | ND (2.6) U  | ND (2.8) U  | ND (2.8) U  | ND (2.6) U  |
| delta-BHC          | µg/kg | ND (0.48) U | ND (0.50) U | ND (0.48) U | ND (0.47) U | ND (0.46) U | ND (0.50) U | ND (0.49) U | ND (0.46) U |
| Demeton (total)    | µg/kg | ND (7.0) U  | ND (7.3) U  | ND (7.0) U  | ND (6.9) U  | ND (6.7) U  | ND (7.4) U  | ND (7.1) U  | ND (6.7) U  |
| Diazinon           | µg/kg | ND (2.1) U  | ND (2.2) U  | ND (2.1) U  | ND (2.1) U  | ND (2.1) U  | ND (2.3) U  | ND (2.2) U  | ND (2.1) U  |
| Dichlorvos         | µg/kg | ND (4.9) U  | ND (5.1) U  | ND (4.8) U  | ND (4.8) U  | ND (4.7) U  | ND (5.1) U  | ND (5.0) U  | ND (4.7) U  |
| Dieldrin           | µg/kg | ND (0.63) U | ND (0.66) U | ND (0.63) U | ND (0.62) U | ND (0.61) U | ND (0.66) U | ND (0.64) U | ND (0.61) U |
| Dimethoate         | µg/kg | ND (4.1) U  | ND (4.3) U  | ND (4.1) U  | ND (4.0) U  | ND (3.9) U  | ND (4.3) U  | ND (4.2) U  | ND (3.9) U  |
| Disulfoton         | µg/kg | ND (2.3) U  | ND (2.4) U  | ND (2.3) U  | ND (2.2) U  | ND (2.2) U  | ND (2.4) U  | ND (2.3) U  | ND (2.2) U  |
| Endosulfan I       | µg/kg | ND (0.54) U | ND (0.57) U | ND (0.54) U | ND (0.54) U | ND (0.52) U | ND (0.57) U | ND (0.56) U | ND (0.52) U |
| Endosulfan II      | µg/kg | ND (0.69) U | ND (0.72) U | ND (0.68) U | ND (0.68) U | ND (0.66) U | ND (0.72) U | ND (0.70) U | ND (0.66) U |
| Endosulfan sulfate | µg/kg | ND (0.58) U | ND (0.60) U | ND (0.57) U | ND (0.57) U | ND (0.56) U | ND (0.61) U | ND (0.59) U | ND (0.55) U |
| Endrin             | µg/kg | ND (0.61) U | ND (0.64) U | ND (0.61) U | ND (0.60) U | ND (0.59) U | ND (0.64) U | ND (0.62) U | ND (0.58) U |
| Endrin aldehyde    | µg/kg | ND (1.2) U  | ND (1.3) U  | ND (1.2) U  | ND (1.2) U  | ND (1.2) U  | ND (1.3) U  | ND (1.3) U  | ND (1.2) U  |
| Endrin ketone      | µg/kg | ND (0.58) U | ND (0.60) U | ND (0.57) U | ND (0.57) U | ND (0.56) U | ND (0.61) U | ND (0.59) U | ND (0.55) U |
| Ethioprop          | µg/kg | ND (3.3) U  | ND (3.4) U  | ND (3.2) U  | ND (3.2) U  | ND (3.1) U  | ND (3.4) U  | ND (3.3) U  | ND (3.1) U  |
| Ethyl parathion    | µg/kg | ND (1.6) U  | ND (1.7) U  | ND (1.6) U  | ND (1.6) U  | ND (1.6) U  | ND (1.7) U  | ND (1.7) U  | ND (1.6) U  |
| Famphur            | µg/kg | ND (2.8) U  | ND (2.9) U  | ND (2.8) U  | ND (2.7) U  | ND (2.7) U  | ND (2.9) U  | ND (2.8) U  | ND (2.7) U  |
| Fensulfothion      | µg/kg | ND (6.2) U  | ND (6.5) U  | ND (6.2) U  | ND (6.1) U  | ND (6.0) U  | ND (6.5) U  | ND (6.3) U  | ND (5.9) U  |
| Fenthion           | µg/kg | ND (6.3) U  | ND (6.6) U  | ND (6.3) U  | ND (6.2) U  | ND (6.1) U  | ND (6.7) U  | ND (6.5) U  | ND (6.1) U  |
| gamma-BHC          | µg/kg | ND (0.64) U | ND (0.67) U | ND (0.64) U | ND (0.63) U | ND (0.62) U | ND (0.68) U | ND (0.66) U | ND (0.62) U |
| gamma-Chlordane    | µg/kg | ND (1.0) U  | ND (1.1) U  | ND (1.0) U  | ND (1.0) U  | ND (1.0) U  | ND (1.1) U  | ND (1.1) U  | ND (1.0) U  |
| Heptachlor         | µg/kg | ND (0.65) U | ND (0.68) U | ND (0.65) U | ND (0.64) U | ND (0.63) U | ND (0.69) U | ND (0.67) U | ND (0.63) U |

**TABLE D-9.3**  
**Summary of Soil Analytical Data**  
**Pesticides**

| Parameter                      | Units | P-15(0-1')  | P-15(4-5')  | P-16(0-1')  | P-16(4-5')  | P-17(0-1')  | P-17(4-5')  | P-17(6-8')  | P-2(0-1')   |
|--------------------------------|-------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Heptachlor epoxide             | µg/kg | ND (0.51) U | ND (0.53) U | ND (0.51) U | ND (0.50) U | ND (0.49) U | ND (0.54) U | ND (0.52) U | ND (0.49) U |
| Malathion                      | µg/kg | ND (5.4) U  | ND (5.6) U  | ND (5.4) U  | ND (5.3) U  | ND (5.2) U  | ND (5.7) U  | ND (5.5) U  | ND (5.2) U  |
| Merphos                        | µg/kg | ND (6.0) U  | ND (6.3) U  | ND (6.0) U  | ND (6.0) U  | ND (5.8) U  | ND (6.4) U  | ND (6.2) U  | ND (5.8) U  |
| Methoxychlor                   | µg/kg | ND (1.4) U  | ND (1.5) U  | ND (1.4) U  | ND (1.4) U  | ND (1.4) U  | ND (1.5) U  | ND (1.4) U  | ND (1.4) U  |
| Methyl parathion               | µg/kg | ND (5.4) U  | ND (5.6) U  | ND (5.4) U  | ND (5.3) U  | ND (5.2) U  | ND (5.7) U  | ND (5.5) U  | ND (5.2) U  |
| Mevinphos                      | µg/kg | ND (3.8) U  | ND (4.0) U  | ND (3.8) U  | ND (3.7) U  | ND (3.7) U  | ND (4.0) U  | ND (3.9) U  | ND (3.6) U  |
| Naled                          | µg/kg | ND (90) U   | ND (94) U   | ND (89) U   | ND (88) U   | ND (86) U   | ND (94) U   | ND (91) U   | ND (86) U   |
| O,O,O-Triethylphosphorothioate | µg/kg | ND (2.4) U  | ND (2.5) U  | ND (2.4) U  | ND (2.3) U  | ND (2.3) U  | ND (2.5) U  | ND (2.4) U  | ND (2.3) U  |
| Phorate                        | µg/kg | ND (2.4) U  | ND (2.5) U  | ND (2.4) U  | ND (2.4) U  | ND (2.3) U  | ND (2.5) U  | ND (2.5) U  | ND (2.3) U  |
| Ronnel                         | µg/kg | ND (4.1) U  | ND (4.3) U  | ND (4.1) U  | ND (4.1) U  | ND (4.0) U  | ND (4.4) U  | ND (4.2) U  | ND (4.0) U  |
| Sulfotepp                      | µg/kg | ND (2.2) U  | ND (2.3) U  | ND (2.1) U  | ND (2.1) U  | ND (2.1) U  | ND (2.3) U  | ND (2.2) U  | ND (2.1) U  |
| Tetrachlorvinphos              | µg/kg | ND (2.9) U  | ND (3.0) U  | ND (2.9) U  | ND (2.9) U  | ND (2.8) U  | ND (3.0) U  | ND (3.0) U  | ND (2.8) U  |
| Thionazin                      | µg/kg | ND (2.3) U  | ND (2.4) U  | ND (2.3) U  | ND (2.3) U  | ND (2.2) U  | ND (2.4) U  | ND (2.4) U  | ND (2.2) U  |
| Tokuthion                      | µg/kg | ND (2.2) U  | ND (2.3) U  | ND (2.2) U  | ND (2.2) U  | ND (2.1) U  | ND (2.3) U  | ND (2.2) U  | ND (2.1) U  |
| Toxaphene                      | µg/kg | ND (46) U   | ND (48) U   | ND (45) U   | ND (45) U   | ND (44) U   | ND (48) U   | ND (47) U   | ND (44) U   |
| Trichloronate                  | µg/kg | ND (2.4) U  | ND (2.5) U  | ND (2.4) U  | ND (2.4) U  | ND (2.3) U  | ND (2.5) U  | ND (2.4) U  | ND (2.3) U  |



**TABLE D-9.3**  
**Summary of Soil Analytical Data**  
**Pesticides**

| Parameter          | Units | P-2(10-12') | P-2(16-18') | P-3(0-1')   | P-3(10-12') | P-3(18-20') | P-4(0-1')   | P-4(10-12') | P-4(20-22') |
|--------------------|-------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 4,4'-DDD           | µg/kg | ND (0.70) U | ND (0.69) U | ND (0.68) U | ND (0.68) U | ND (0.70) U | ND (0.66) U | ND (6.7) U  | ND (0.70) U |
| 4,4'-DDE           | µg/kg | ND (0.97) U | ND (0.96) U | ND (0.93) U | ND (0.94) U | ND (0.96) U | 17          | ND (0.93) U | ND (0.96) U |
| 4,4'-DDT           | µg/kg | ND (0.77) U | ND (0.76) U | ND (0.74) U | ND (0.74) U | ND (0.76) U | 3.7         | ND (7.4) U  | ND (0.76) U |
| Aldrin             | µg/kg | ND (0.72) U | ND (0.72) U | ND (0.70) U | ND (0.70) U | ND (0.72) U | ND (0.68) U | ND (6.9) U  | ND (0.72) U |
| alpha-BHC          | µg/kg | ND (0.83) U | ND (0.83) U | ND (0.80) U | ND (0.81) U | ND (0.83) U | ND (0.78) U | ND (8.0) U  | ND (0.83) U |
| alpha-Chlordane    | µg/kg | ND (0.49) U | ND (0.49) U | ND (0.48) U | ND (0.48) U | ND (0.49) U | ND (0.46) U | ND (4.7) U  | ND (0.49) U |
| Azinphos-methyl    | µg/kg | ND (4.5) U  | ND (4.5) U  | ND (4.4) U  | ND (4.4) U  | ND (4.5) U  | ND (4.2) U  | ND (4.3) U  | ND (4.5) U  |
| beta-BHC           | µg/kg | ND (0.78) U | ND (0.77) U | ND (0.75) U | ND (0.76) U | ND (0.78) U | 6           | ND (7.5) U  | ND (0.78) U |
| Bolstar            | µg/kg | ND (2.2) U  | ND (2.1) U  | ND (2.1) U  | ND (2.1) U  | ND (2.1) U  | ND (2.0) U  | ND (2.1) U  | ND (2.1) U  |
| Chlorpyrifos       | µg/kg | ND (3.2) U  | ND (3.2) U  | ND (3.1) U  | ND (3.1) U  | ND (3.2) U  | ND (3.0) U  | ND (3.1) U  | ND (3.2) U  |
| Coumaphos          | µg/kg | ND (2.7) U  | ND (2.7) U  | ND (2.6) U  | ND (2.6) U  | ND (2.7) U  | ND (2.6) U  | ND (2.6) U  | ND (2.7) U  |
| delta-BHC          | µg/kg | ND (0.48) U | ND (0.48) U | ND (0.47) U | ND (0.47) U | ND (0.48) U | ND (0.45) U | ND (4.6) U  | ND (0.48) U |
| Demeton (total)    | µg/kg | ND (7.1) U  | ND (7.0) U  | ND (6.8) U  | ND (6.8) U  | ND (7.0) U  | ND (6.6) U  | ND (6.8) U  | ND (7.0) U  |
| Diazinon           | µg/kg | ND (2.2) U  | ND (2.1) U  | ND (2.1) U  | ND (2.1) U  | ND (2.2) U  | ND (2.0) U  | ND (2.1) U  | ND (2.2) U  |
| Dichlorvos         | µg/kg | ND (4.9) U  | ND (4.8) U  | ND (4.7) U  | ND (4.7) U  | ND (4.9) U  | ND (4.6) U  | ND (4.7) U  | ND (4.9) U  |
| Dieldrin           | µg/kg | ND (0.64) U | ND (0.63) U | ND (0.61) U | ND (0.62) U | ND (0.63) U | ND (0.60) U | ND (6.1) U  | ND (0.63) U |
| Dimethoate         | µg/kg | ND (4.1) U  | ND (4.1) U  | ND (4.0) U  | ND (4.0) U  | ND (4.1) U  | ND (3.9) U  | ND (3.9) U  | ND (4.1) U  |
| Disulfoton         | µg/kg | ND (2.3) U  | ND (2.3) U  | ND (2.2) U  | ND (2.2) U  | ND (2.3) U  | ND (2.2) U  | ND (2.2) U  | ND (2.3) U  |
| Endosulfan I       | µg/kg | ND (0.55) U | ND (0.54) U | ND (0.53) U | ND (0.53) U | ND (0.55) U | ND (0.51) U | ND (5.3) U  | ND (0.55) U |
| Endosulfan II      | µg/kg | ND (0.69) U | ND (0.68) U | ND (0.67) U | ND (0.67) U | ND (0.69) U | ND (0.65) U | ND (6.6) U  | ND (0.69) U |
| Endosulfan sulfate | µg/kg | ND (0.58) U | ND (0.58) U | ND (0.56) U | ND (0.56) U | ND (0.58) U | ND (0.55) U | ND (5.6) U  | ND (0.58) U |
| Endrin             | µg/kg | ND (0.62) U | ND (0.61) U | ND (0.59) U | ND (0.60) U | ND (0.61) U | ND (0.58) U | ND (5.9) U  | ND (0.61) U |
| Endrin aldehyde    | µg/kg | ND (1.3) U  | ND (1.2) U  | ND (1.2) U  | ND (1.2) U  | ND (1.2) U  | ND (1.2) U  | ND (12) U   | ND (1.2) U  |
| Endrin ketone      | µg/kg | ND (0.58) U | ND (0.58) U | ND (0.56) U | ND (0.56) U | ND (0.58) U | ND (0.55) U | ND (5.6) U  | ND (0.58) U |
| Ethioprop          | µg/kg | ND (3.3) U  | ND (3.2) U  | ND (3.2) U  | ND (3.2) U  | ND (3.3) U  | ND (3.1) U  | ND (3.1) U  | ND (3.3) U  |
| Ethyl parathion    | µg/kg | ND (1.6) U  | ND (1.6) U  | ND (1.6) U  | ND (1.6) U  | ND (1.6) U  | ND (1.5) U  | ND (1.6) U  | ND (1.6) U  |
| Famphur            | µg/kg | ND (2.8) U  | ND (2.8) U  | ND (2.7) U  | ND (2.7) U  | ND (2.8) U  | ND (2.6) U  | ND (2.7) U  | ND (2.8) U  |
| Fensulfothion      | µg/kg | ND (6.3) U  | ND (6.2) U  | ND (6.0) U  | ND (6.1) U  | ND (6.2) U  | ND (5.9) U  | ND (6.0) U  | ND (6.2) U  |
| Fenthion           | µg/kg | ND (6.4) U  | ND (6.3) U  | ND (6.1) U  | ND (6.2) U  | ND (6.3) U  | ND (6.0) U  | ND (6.1) U  | ND (6.3) U  |
| gamma-BHC          | µg/kg | ND (0.65) U | ND (0.64) U | ND (0.62) U | ND (0.63) U | ND (0.64) U | ND (0.61) U | ND (6.2) U  | ND (0.64) U |
| gamma-Chlordane    | µg/kg | ND (1.1) U  | ND (1.0) U  | ND (1.0) U  | ND (1.0) U  | ND (1.0) U  | ND (0.99) U | ND (10) U   | ND (1.0) U  |
| Heptachlor         | µg/kg | ND (0.66) U | ND (0.65) U | ND (0.63) U | ND (0.64) U | ND (0.66) U | ND (0.62) U | ND (6.3) U  | ND (0.66) U |

**TABLE D-9.3**  
**Summary of Soil Analytical Data**  
**Pesticides**

| Parameter                      | Units | P-2(10-12') | P-2(16-18') | P-3(0-1')   | P-3(10-12') | P-3(18-20') | P-4(0-1')   | P-4(10-12') | P-4(20-22') |
|--------------------------------|-------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Heptachlor epoxide             | µg/kg | ND (0.52) U | ND (0.51) U | ND (0.50) U | ND (0.50) U | ND (0.51) U | ND (0.48) U | ND (4.9) U  | ND (0.51) U |
| Malathion                      | µg/kg | ND (5.5) U  | ND (5.4) U  | ND (5.3) U  | ND (5.3) U  | ND (5.4) U  | ND (5.1) U  | ND (5.2) U  | ND (5.4) U  |
| Merphos                        | µg/kg | ND (6.1) U  | ND (6.0) U  | ND (5.9) U  | ND (5.9) U  | ND (6.1) U  | ND (5.7) U  | ND (5.8) U  | ND (6.1) U  |
| Methoxychlor                   | µg/kg | ND (1.4) U  | ND (1.4) U  | ND (1.4) U  | ND (1.4) U  | ND (1.4) U  | ND (1.3) U  | ND (1.4) U  | ND (1.4) U  |
| Methyl parathion               | µg/kg | ND (5.4) U  | ND (5.4) U  | ND (5.2) U  | ND (5.3) U  | ND (5.4) U  | ND (5.1) U  | ND (5.2) U  | ND (5.4) U  |
| Mevinphos                      | µg/kg | ND (3.8) U  | ND (3.8) U  | ND (3.7) U  | ND (3.7) U  | ND (3.8) U  | ND (3.6) U  | ND (3.7) U  | ND (3.8) U  |
| Naled                          | µg/kg | ND (90) U   | ND (89) U   | ND (87) U   | ND (88) U   | ND (90) U   | ND (85) U   | ND (87) U   | ND (90) U   |
| O,O,O-Triethylphosphorothioate | µg/kg | ND (2.4) U  | ND (2.4) U  | ND (2.3) U  | ND (2.3) U  | ND (2.4) U  | ND (2.2) U  | ND (2.3) U  | ND (2.4) U  |
| Phorate                        | µg/kg | ND (2.4) U  | ND (2.4) U  | ND (2.3) U  | ND (2.4) U  | ND (2.4) U  | ND (2.3) U  | ND (2.3) U  | ND (2.4) U  |
| Ronnel                         | µg/kg | ND (4.2) U  | ND (4.1) U  | ND (4.0) U  | ND (4.0) U  | ND (4.1) U  | ND (3.9) U  | ND (4.0) U  | ND (4.2) U  |
| Sulfotepp                      | µg/kg | ND (2.2) U  | ND (2.1) U  | ND (2.1) U  | ND (2.1) U  | ND (2.2) U  | ND (2.0) U  | ND (2.1) U  | ND (2.2) U  |
| Tetrachlorvinphos              | µg/kg | ND (2.9) U  | ND (2.9) U  | ND (2.8) U  | ND (2.8) U  | ND (2.9) U  | ND (2.7) U  | ND (2.8) U  | ND (2.9) U  |
| Thionazin                      | µg/kg | ND (2.3) U  | ND (2.3) U  | ND (2.3) U  | ND (2.3) U  | ND (2.3) U  | ND (2.2) U  | ND (2.2) U  | ND (2.3) U  |
| Toxaphene                      | µg/kg | ND (46) U   | ND (46) U   | ND (44) U   | ND (45) U   | ND (46) U   | ND (43) U   | ND (44) U   | ND (46) U   |
| Trichloronate                  | µg/kg | ND (2.4) U  | ND (2.4) U  | ND (2.3) U  | ND (2.3) U  | ND (2.4) U  | ND (2.3) U  | ND (2.3) U  | ND (2.4) U  |

**TABLE D-9.3**  
**Summary of Soil Analytical Data**  
**Pesticides**

| Parameter          | Units | P-5(0-1')   | P-5(10-12') | P-5(16-18') | P-6(0-1')   | P-6(10-12') | P-6(18-21') | P-7(0-1')   |
|--------------------|-------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 4,4'-DDD           | µg/kg | ND (0.68) U | ND (0.70) U | ND (0.72) U | ND (0.68) U | ND (0.68) U | ND (0.73) U | ND (0.70) U |
| 4,4'-DDE           | µg/kg | ND (0.94) U | ND (0.96) U | ND (0.99) U | ND (0.93) U | ND (0.93) U | ND (1.0) U  | ND (0.96) U |
| 4,4'-DDT           | µg/kg | ND (0.75) U | ND (0.76) U | ND (0.79) U | ND (0.74) U | ND (0.74) U | ND (0.79) U | ND (0.76) U |
| Aldrin             | µg/kg | ND (0.70) U | ND (0.72) U | ND (0.74) U | ND (0.70) U | ND (0.70) U | ND (0.75) U | ND (0.72) U |
| alpha-BHC          | µg/kg | ND (0.81) U | ND (0.83) U | ND (0.86) U | ND (0.81) U | ND (0.81) U | ND (0.86) U | ND (0.83) U |
| alpha-Chlordane    | µg/kg | ND (0.48) U | ND (0.49) U | ND (0.51) U | ND (0.48) U | ND (0.48) U | ND (0.51) U | ND (0.49) U |
| Azinphos-methyl    | µg/kg | ND (4.4) U  | ND (4.5) U  | ND (4.6) U  | ND (4.4) U  | ND (4.4) U  | ND (4.7) U  | ND (4.5) U  |
| beta-BHC           | µg/kg | ND (0.76) U | ND (0.77) U | ND (0.80) U | ND (0.75) U | ND (0.75) U | ND (0.81) U | ND (0.78) U |
| Bolstar            | µg/kg | ND (2.1) U  | ND (2.1) U  | ND (2.2) U  | ND (2.1) U  | ND (2.1) U  | ND (2.2) U  | ND (2.1) U  |
| Chlorpyrifos       | µg/kg | ND (3.1) U  | ND (3.2) U  | ND (3.3) U  | ND (3.1) U  | ND (3.1) U  | ND (3.3) U  | ND (3.2) U  |
| Coumaphos          | µg/kg | ND (2.6) U  | ND (2.7) U  | ND (2.8) U  | ND (2.6) U  | ND (2.6) U  | ND (2.8) U  | ND (2.7) U  |
| delta-BHC          | µg/kg | ND (0.47) U | ND (0.48) U | ND (0.50) U | ND (0.47) U | ND (0.47) U | ND (0.50) U | ND (0.48) U |
| Demeton (total)    | µg/kg | ND (6.9) U  | ND (7.0) U  | ND (7.2) U  | ND (6.8) U  | ND (6.8) U  | ND (7.3) U  | ND (7.0) U  |
| Diazinon           | µg/kg | ND (2.1) U  | ND (2.1) U  | ND (2.2) U  | ND (2.1) U  | ND (2.1) U  | ND (2.2) U  | ND (2.2) U  |
| Dichlorvos         | µg/kg | ND (4.8) U  | ND (4.9) U  | ND (5.0) U  | ND (4.7) U  | ND (4.7) U  | ND (5.1) U  | ND (4.9) U  |
| Dieldrin           | µg/kg | ND (0.62) U | ND (0.63) U | ND (0.65) U | ND (0.62) U | ND (0.62) U | ND (0.66) U | ND (0.63) U |
| Dimethoate         | µg/kg | ND (4.0) U  | ND (4.1) U  | ND (4.2) U  | ND (4.0) U  | ND (4.0) U  | ND (4.3) U  | ND (4.1) U  |
| Disulfoton         | µg/kg | ND (2.2) U  | ND (2.3) U  | ND (2.4) U  | ND (2.2) U  | ND (2.2) U  | ND (2.4) U  | ND (2.3) U  |
| Endosulfan I       | µg/kg | ND (0.53) U | ND (0.54) U | ND (0.56) U | ND (0.53) U | ND (0.53) U | ND (0.57) U | ND (0.55) U |
| Endosulfan II      | µg/kg | ND (0.67) U | ND (0.69) U | ND (0.71) U | ND (0.67) U | ND (0.67) U | ND (0.71) U | ND (0.69) U |
| Endosulfan sulfate | µg/kg | ND (0.57) U | ND (0.58) U | ND (0.60) U | ND (0.56) U | ND (0.56) U | ND (0.60) U | ND (0.58) U |
| Endrin             | µg/kg | ND (0.60) U | ND (0.61) U | ND (0.63) U | ND (0.59) U | ND (0.59) U | ND (0.64) U | ND (0.61) U |
| Endrin aldehyde    | µg/kg | ND (1.2) U  | ND (1.2) U  | ND (1.3) U  | ND (1.2) U  | ND (1.2) U  | ND (1.3) U  | ND (1.2) U  |
| Endrin ketone      | µg/kg | ND (0.57) U | ND (0.58) U | ND (0.60) U | ND (0.56) U | ND (0.56) U | ND (0.60) U | ND (0.58) U |
| Ethoprop           | µg/kg | ND (3.2) U  | ND (3.3) U  | ND (3.4) U  | ND (3.2) U  | ND (3.2) U  | ND (3.4) U  | ND (3.3) U  |
| Ethyl parathion    | µg/kg | ND (1.6) U  | ND (1.6) U  | ND (1.7) U  | ND (1.6) U  | ND (1.6) U  | ND (1.7) U  | ND (1.6) U  |
| Famphur            | µg/kg | ND (2.7) U  | ND (2.8) U  | ND (2.9) U  | ND (2.7) U  | ND (2.7) U  | ND (2.9) U  | ND (2.8) U  |
| Fensulfothion      | µg/kg | ND (6.1) U  | ND (6.2) U  | ND (6.4) U  | ND (6.1) U  | ND (6.1) U  | ND (6.5) U  | ND (6.2) U  |
| Fenthion           | µg/kg | ND (6.2) U  | ND (6.3) U  | ND (6.5) U  | ND (6.2) U  | ND (6.2) U  | ND (6.6) U  | ND (6.3) U  |
| gamma-BHC          | µg/kg | ND (0.63) U | ND (0.64) U | ND (0.66) U | ND (0.63) U | ND (0.63) U | ND (0.67) U | ND (0.64) U |
| gamma-Chlordane    | µg/kg | ND (1.0) U  | ND (1.0) U  | ND (1.1) U  | ND (1.0) U  | ND (1.0) U  | ND (1.1) U  | ND (1.0) U  |
| Heptachlor         | µg/kg | ND (0.64) U | ND (0.65) U | ND (0.68) U | ND (0.64) U | ND (0.64) U | ND (0.68) U | ND (0.66) U |

**TABLE D-9.3**  
**Summary of Soil Analytical Data**  
**Pesticides**

| Parameter                      | Units | P-5(0-1')   | P-5(10-12') | P-5(16-18') | P-6(0-1')   | P-6(10-12') | P-6(18-21') | P-7(0-1')   |
|--------------------------------|-------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Heptachlor epoxide             | µg/kg | ND (0.50) U | ND (0.51) U | ND (0.53) U | ND (0.50) U | ND (0.50) U | ND (0.53) U | ND (0.51) U |
| Malathion                      | µg/kg | ND (5.3) U  | ND (5.4) U  | ND (5.6) U  | ND (5.3) U  | ND (5.3) U  | ND (5.6) U  | ND (5.4) U  |
| Merphos                        | µg/kg | ND (5.9) U  | ND (6.0) U  | ND (6.3) U  | ND (5.9) U  | ND (5.9) U  | ND (6.3) U  | ND (6.1) U  |
| Methoxychlor                   | µg/kg | ND (1.4) U  | ND (1.4) U  | ND (1.5) U  | ND (1.4) U  | ND (1.4) U  | ND (1.5) U  | ND (1.4) U  |
| Methyl parathion               | µg/kg | ND (5.3) U  | ND (5.4) U  | ND (5.6) U  | ND (5.2) U  | ND (5.2) U  | ND (5.6) U  | ND (5.4) U  |
| Mevinphos                      | µg/kg | ND (3.7) U  | ND (3.8) U  | ND (3.9) U  | ND (3.7) U  | ND (3.7) U  | ND (3.9) U  | ND (3.8) U  |
| Naled                          | µg/kg | ND (88) U   | ND (90) U   | ND (93) U   | ND (87) U   | ND (87) U   | ND (93) U   | ND (90) U   |
| O,O,O-Triethylphosphorothioate | µg/kg | ND (2.3) U  | ND (2.4) U  | ND (2.4) U  | ND (2.3) U  | ND (2.3) U  | ND (2.5) U  | ND (2.4) U  |
| Phorate                        | µg/kg | ND (2.4) U  | ND (2.4) U  | ND (2.5) U  | ND (2.3) U  | ND (2.3) U  | ND (2.5) U  | ND (2.4) U  |
| Ronnel                         | µg/kg | ND (4.1) U  | ND (4.1) U  | ND (4.3) U  | ND (4.0) U  | ND (4.0) U  | ND (4.3) U  | ND (4.1) U  |
| Sulfotepp                      | µg/kg | ND (2.1) U  | ND (2.2) U  | ND (2.2) U  | ND (2.1) U  | ND (2.1) U  | ND (2.2) U  | ND (2.2) U  |
| Tetrachlorvinphos              | µg/kg | ND (2.8) U  | ND (2.9) U  | ND (3.0) U  | ND (2.8) U  | ND (2.8) U  | ND (3.0) U  | ND (2.9) U  |
| Thionazin                      | µg/kg | ND (2.3) U  | ND (2.3) U  | ND (2.4) U  | ND (2.3) U  | ND (2.3) U  | ND (2.4) U  | ND (2.3) U  |
| Tokuthion                      | µg/kg | ND (2.1) U  | ND (2.2) U  | ND (2.3) U  | ND (2.1) U  | ND (2.1) U  | ND (2.3) U  | ND (2.2) U  |
| Toxaphene                      | µg/kg | ND (45) U   | ND (46) U   | ND (47) U   | ND (45) U   | ND (45) U   | ND (48) U   | ND (46) U   |
| Trichloronate                  | µg/kg | ND (2.3) U  | ND (2.4) U  | ND (2.5) U  | ND (2.3) U  | ND (2.3) U  | ND (2.5) U  | ND (2.4) U  |

**TABLE D-9.3**  
**Summary of Soil Analytical Data**  
**Pesticides**

| Parameter          | Units | P-7(10-12') | P-7(18-20') | P-7(19-21') | P-7(2-3') | P-8(0-1')   | P-8(10-12') | P-8(16-18') | P-9(0-1')   |
|--------------------|-------|-------------|-------------|-------------|-----------|-------------|-------------|-------------|-------------|
| 4,4'-DDD           | µg/kg | ND (0.78) U | ND (0.93) U | ND (0.77) U |           | ND (0.71) U | ND (0.68) U | ND (0.73) U | ND (0.68) U |
| 4,4'-DDE           | µg/kg | ND (1.1) U  | ND (1.3) U  | ND (1.1) U  |           | ND (0.97) U | ND (0.93) U | ND (1.0) U  | ND (0.93) U |
| 4,4'-DDT           | µg/kg | ND (0.85) U | ND (1.0) U  | ND (0.84) U |           | ND (0.77) U | ND (0.74) U | ND (0.80) U | ND (0.74) U |
| Aldrin             | µg/kg | ND (0.80) U | ND (0.96) U | ND (0.79) U |           | ND (0.73) U | ND (0.70) U | ND (0.76) U | ND (0.70) U |
| alpha-BHC          | µg/kg | ND (0.92) U | ND (1.1) U  | ND (0.91) U |           | ND (0.84) U | ND (0.81) U | ND (0.87) U | ND (0.80) U |
| alpha-Chlordane    | µg/kg | ND (0.55) U | ND (0.65) U | ND (0.54) U |           | ND (0.50) U | ND (0.48) U | ND (0.52) U | ND (0.48) U |
| Azinphos-methyl    | µg/kg | ND (5.0) U  | ND (6.0) U  | ND (4.9) U  |           | ND (4.6) U  | ND (4.4) U  | ND (4.7) U  | ND (4.4) U  |
| beta-BHC           | µg/kg | ND (0.86) U | ND (1.0) U  | ND (0.85) U |           | ND (0.78) U | ND (0.75) U | ND (0.81) U | ND (0.75) U |
| Bolstar            | µg/kg | ND (2.4) U  | ND (2.8) U  | ND (2.3) U  |           | ND (2.2) U  | ND (2.1) U  | ND (2.2) U  | ND (2.1) U  |
| Chlorpyrifos       | µg/kg | ND (3.5) U  | ND (4.2) U  | ND (3.5) U  |           | ND (3.2) U  | ND (3.1) U  | ND (3.4) U  | ND (3.1) U  |
| Coumaphos          | µg/kg | ND (3.0) U  | ND (3.6) U  | ND (3.0) U  |           | ND (2.7) U  | ND (2.6) U  | ND (2.8) U  | ND (2.6) U  |
| delta-BHC          | µg/kg | ND (0.53) U | ND (0.64) U | ND (0.53) U |           | ND (0.49) U | ND (0.47) U | ND (0.50) U | ND (0.46) U |
| Demeton (total)    | µg/kg | ND (7.8) U  | ND (9.3) U  | ND (7.7) U  |           | ND (7.1) U  | ND (6.8) U  | ND (7.4) U  | ND (6.8) U  |
| Diazinon           | µg/kg | ND (2.4) U  | ND (2.9) U  | ND (2.4) U  |           | ND (2.2) U  | ND (2.1) U  | ND (2.3) U  | ND (2.1) U  |
| Dichlorvos         | µg/kg | ND (5.4) U  | ND (6.5) U  | ND (5.3) U  |           | ND (4.9) U  | ND (4.7) U  | ND (5.1) U  | ND (4.7) U  |
| Dieldrin           | µg/kg | ND (0.70) U | ND (0.84) U | ND (0.69) U |           | ND (0.64) U | ND (0.62) U | ND (0.67) U | ND (0.61) U |
| Dimethoate         | µg/kg | ND (4.6) U  | ND (5.4) U  | ND (4.5) U  |           | ND (4.1) U  | ND (4.0) U  | ND (4.3) U  | ND (4.0) U  |
| Disulfoton         | µg/kg | ND (2.5) U  | ND (3.0) U  | ND (2.5) U  |           | ND (2.3) U  | ND (2.2) U  | ND (2.4) U  | ND (2.2) U  |
| Endosulfan I       | µg/kg | ND (0.61) U | ND (0.72) U | ND (0.60) U |           | ND (0.55) U | ND (0.53) U | ND (0.57) U | ND (0.53) U |
| Endosulfan II      | µg/kg | ND (0.76) U | ND (0.91) U | ND (0.75) U |           | ND (0.70) U | ND (0.67) U | ND (0.72) U | ND (0.67) U |
| Endosulfan sulfate | µg/kg | ND (0.64) U | ND (0.77) U | ND (0.63) U |           | ND (0.59) U | ND (0.56) U | ND (0.61) U | ND (0.56) U |
| Endrin             | µg/kg | ND (0.68) U | ND (0.81) U | ND (0.67) U |           | ND (0.62) U | ND (0.59) U | ND (0.64) U | ND (0.59) U |
| Endrin aldehyde    | µg/kg | ND (1.4) U  | ND (1.7) U  | ND (1.4) U  |           | ND (1.3) U  | ND (1.2) U  | ND (1.3) U  | ND (1.2) U  |
| Endrin ketone      | µg/kg | ND (0.64) U | ND (0.77) U | ND (0.63) U |           | ND (0.59) U | ND (0.56) U | ND (0.61) U | ND (0.56) U |
| Ethoprop           | µg/kg | ND (3.6) U  | ND (4.3) U  | ND (3.6) U  |           | ND (3.3) U  | ND (3.2) U  | ND (3.4) U  | ND (3.2) U  |
| Ethyl parathion    | µg/kg | ND (1.8) U  | ND (2.2) U  | ND (1.8) U  |           | ND (1.6) U  | ND (1.6) U  | ND (1.7) U  | ND (1.6) U  |
| Famphur            | µg/kg | ND (3.1) U  | ND (3.7) U  | ND (3.1) U  |           | ND (2.8) U  | ND (2.7) U  | ND (2.9) U  | ND (2.7) U  |
| Fensulfothion      | µg/kg | ND (6.9) U  | ND (8.3) U  | ND (6.8) U  |           | ND (6.3) U  | ND (6.1) U  | ND (6.5) U  | ND (6.0) U  |
| Fenthion           | µg/kg | ND (7.1) U  | ND (8.4) U  | ND (7.0) U  |           | ND (6.4) U  | ND (6.2) U  | ND (6.7) U  | ND (6.1) U  |
| gamma-BHC          | µg/kg | ND (0.72) U | ND (0.85) U | ND (0.71) U |           | ND (0.65) U | ND (0.63) U | ND (0.68) U | ND (0.62) U |
| gamma-Chlordane    | µg/kg | ND (1.2) U  | ND (1.4) U  | ND (1.1) U  |           | ND (1.1) U  | ND (1.0) U  | ND (1.1) U  | ND (1.0) U  |
| Heptachlor         | µg/kg | ND (0.73) U | ND (0.87) U | ND (0.72) U |           | ND (0.66) U | ND (0.64) U | ND (0.69) U | ND (0.63) U |

**TABLE D-9.3**  
**Summary of Soil Analytical Data**  
**Pesticides**

| Parameter                      | Units | P-7(10-12') | P-7(18-20') | P-7(19-21') | P-7(2-3') | P-8(0-1')   | P-8(10-12') | P-8(16-18') | P-9(0-1')   |
|--------------------------------|-------|-------------|-------------|-------------|-----------|-------------|-------------|-------------|-------------|
| Heptachlor epoxide             | µg/kg | ND (0.57) U | ND (0.68) U | ND (0.56) U |           | ND (0.52) U | ND (0.50) U | ND (0.54) U | ND (0.50) U |
| Malathion                      | µg/kg | ND (6.0) U  | ND (7.2) U  | ND (5.9) U  |           | ND (5.5) U  | ND (5.3) U  | ND (5.7) U  | ND (5.3) U  |
| Merphos                        | µg/kg | ND (6.7) U  | ND (8.0) U  | ND (6.6) U  |           | ND (6.1) U  | ND (5.9) U  | ND (6.4) U  | ND (5.9) U  |
| Methoxychlor                   | µg/kg | ND (1.6) U  | ND (1.9) U  | ND (1.6) U  |           | ND (1.4) U  | ND (1.4) U  | ND (1.5) U  | ND (1.4) U  |
| Methyl parathion               | µg/kg | ND (6.0) U  | ND (7.2) U  | ND (5.9) U  |           | ND (5.5) U  | ND (5.2) U  | ND (5.7) U  | ND (5.2) U  |
| Mevinphos                      | µg/kg | ND (4.2) U  | ND (5.0) U  | ND (4.2) U  |           | ND (3.8) U  | ND (3.7) U  | ND (4.0) U  | ND (3.7) U  |
| Naled                          | µg/kg | ND (100) U  | ND (120) U  | ND (99) U   |           | ND (91) U   | ND (87) U   | ND (94) U   | ND (87) U   |
| O,O,O-Triethylphosphorothioate | µg/kg | ND (2.6) U  | ND (3.1) U  | ND (2.6) U  |           | ND (2.4) U  | ND (2.3) U  | ND (2.5) U  | ND (2.3) U  |
| Phorate                        | µg/kg | ND (2.7) U  | ND (3.2) U  | ND (2.6) U  |           | ND (2.4) U  | ND (2.3) U  | ND (2.5) U  | ND (2.3) U  |
| Ronnel                         | µg/kg | ND (4.6) U  | ND (5.5) U  | ND (4.5) U  |           | ND (4.2) U  | ND (4.0) U  | ND (4.4) U  | ND (4.0) U  |
| Sulfotepp                      | µg/kg | ND (2.4) U  | ND (2.9) U  | ND (2.4) U  |           | ND (2.2) U  | ND (2.1) U  | ND (2.3) U  | ND (2.1) U  |
| Tetrachlorvinphos              | µg/kg | ND (3.2) U  | ND (3.9) U  | ND (3.2) U  |           | ND (2.9) U  | ND (2.8) U  | ND (3.1) U  | ND (2.8) U  |
| Thionazin                      | µg/kg | ND (2.6) U  | ND (3.1) U  | ND (2.5) U  |           | ND (2.4) U  | ND (2.3) U  | ND (2.4) U  | ND (2.3) U  |
| Tokuthion                      | µg/kg | ND (2.4) U  | ND (2.9) U  | ND (2.4) U  |           | ND (2.2) U  | ND (2.1) U  | ND (2.3) U  | ND (2.1) U  |
| Toxaphene                      | µg/kg | ND (51) U   | ND (61) U   | ND (50) U   |           | ND (46) U   | ND (45) U   | ND (48) U   | ND (44) U   |
| Trichloronate                  | µg/kg | ND (2.7) U  | ND (3.2) U  | ND (2.6) U  |           | ND (2.4) U  | ND (2.3) U  | ND (2.5) U  | ND (2.3) U  |

**TABLE D-9.3**  
**Summary of Soil Analytical Data**  
**Pesticides**

| Parameter          | Units | P-9(6-8')   | S-1(0-1')   | S-1(10-12') | S-1(16-17') | S-2(0-1')   | S-2(10-12') | S-2(18-20') |
|--------------------|-------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 4,4'-DDD           | µg/kg | ND (0.71) U | ND (0.66) U | ND (0.67) U | ND (0.69) U | ND (0.68) U | ND (0.69) U | ND (0.82) U |
| 4,4'-DDE           | µg/kg | ND (0.97) U | 2.1         | ND (0.93) U | ND (0.94) U | ND (0.93) U | ND (0.95) U | ND (1.1) U  |
| 4,4'-DDT           | µg/kg | ND (0.77) U | ND (0.73) U | ND (0.74) U | ND (0.75) U | ND (0.74) U | ND (0.76) U | ND (0.90) U |
| Aldrin             | µg/kg | ND (0.73) U | ND (0.68) U | ND (0.70) U | ND (0.71) U | ND (0.70) U | ND (0.71) U | ND (0.85) U |
| alpha-BHC          | µg/kg | ND (0.84) U | ND (0.79) U | ND (0.80) U | ND (0.82) U | ND (0.80) U | ND (0.82) U | ND (0.98) U |
| alpha-Chlordane    | µg/kg | ND (0.50) U | ND (0.47) U | ND (0.47) U | ND (0.48) U | ND (0.48) U | ND (0.49) U | ND (0.58) U |
| Azinphos-methyl    | µg/kg | ND (4.6) U  | ND (4.3) U  | ND (4.3) U  | ND (4.4) U  | ND (4.4) U  | ND (4.5) U  | ND (5.3) U  |
| beta-BHC           | µg/kg | ND (0.79) U | 2.8         | ND (0.75) U | ND (0.76) U | ND (0.75) U | ND (0.77) U | ND (0.91) U |
| Bolstar            | µg/kg | ND (2.2) U  | ND (2.0) U  | ND (2.1) U  | ND (2.1) U  | ND (2.1) U  | ND (2.1) U  | ND (2.5) U  |
| Chlorpyrifos       | µg/kg | ND (3.2) U  | ND (3.0) U  | ND (3.1) U  | ND (3.1) U  | ND (3.1) U  | ND (3.2) U  | ND (3.8) U  |
| Coumaphos          | µg/kg | ND (2.7) U  | ND (2.6) U  | ND (2.6) U  | ND (2.7) U  | ND (2.6) U  | ND (2.7) U  | ND (3.2) U  |
| delta-BHC          | µg/kg | ND (0.49) U | ND (0.46) U | ND (0.46) U | ND (0.47) U | ND (0.46) U | ND (0.48) U | ND (0.57) U |
| Demeton (total)    | µg/kg | ND (7.1) U  | ND (6.7) U  | ND (6.8) U  | ND (6.9) U  | ND (6.8) U  | ND (7.0) U  | ND (8.3) U  |
| Diazinon           | µg/kg | ND (2.2) U  | ND (2.0) U  | ND (2.1) U  | ND (2.1) U  | ND (2.1) U  | ND (2.1) U  | ND (2.5) U  |
| Dichlorvos         | µg/kg | ND (4.9) U  | ND (4.6) U  | ND (4.7) U  | ND (4.8) U  | ND (4.7) U  | ND (4.8) U  | ND (5.7) U  |
| Dieldrin           | µg/kg | ND (0.64) U | 1.9         | ND (0.61) U | ND (0.62) U | ND (0.61) U | ND (0.63) U | ND (0.75) U |
| Dimethoate         | µg/kg | ND (4.1) U  | ND (3.9) U  | ND (4.0) U  | ND (4.0) U  | ND (4.0) U  | ND (4.1) U  | ND (4.8) U  |
| Disulfoton         | µg/kg | ND (2.3) U  | ND (2.2) U  | ND (2.2) U  | ND (2.2) U  | ND (2.2) U  | ND (2.3) U  | ND (2.7) U  |
| Endosulfan I       | µg/kg | ND (0.55) U | ND (0.52) U | ND (0.53) U | ND (0.54) U | ND (0.53) U | ND (0.54) U | ND (0.64) U |
| Endosulfan II      | µg/kg | ND (0.70) U | ND (0.65) U | ND (0.66) U | ND (0.68) U | ND (0.67) U | ND (0.68) U | ND (0.81) U |
| Endosulfan sulfate | µg/kg | ND (0.59) U | ND (0.55) U | ND (0.56) U | ND (0.57) U | ND (0.56) U | ND (0.57) U | ND (0.68) U |
| Endrin             | µg/kg | ND (0.62) U | ND (0.58) U | ND (0.59) U | ND (0.60) U | ND (0.59) U | ND (0.61) U | ND (0.72) U |
| Endrin aldehyde    | µg/kg | ND (1.3) U  | ND (1.2) U  | ND (1.2) U  | ND (1.2) U  | ND (1.2) U  | ND (1.2) U  | ND (1.5) U  |
| Endrin ketone      | µg/kg | ND (0.59) U | ND (0.55) U | ND (0.56) U | ND (0.57) U | ND (0.56) U | ND (0.57) U | ND (0.68) U |
| Ethoprop           | µg/kg | ND (3.3) U  | ND (3.1) U  | ND (3.2) U  | ND (3.2) U  | ND (3.2) U  | ND (3.2) U  | ND (3.8) U  |
| Ethyl parathion    | µg/kg | ND (1.6) U  | ND (1.5) U  | ND (1.6) U  | ND (1.6) U  | ND (1.6) U  | ND (1.6) U  | ND (1.9) U  |
| Famphur            | µg/kg | ND (2.8) U  | ND (2.6) U  | ND (2.7) U  | ND (2.7) U  | ND (2.7) U  | ND (2.8) U  | ND (3.3) U  |
| Fensulfothion      | µg/kg | ND (6.3) U  | ND (5.9) U  | ND (6.0) U  | ND (6.1) U  | ND (6.0) U  | ND (6.2) U  | ND (7.3) U  |
| Fenthion           | µg/kg | ND (6.4) U  | ND (6.0) U  | ND (6.1) U  | ND (6.2) U  | ND (6.1) U  | ND (6.3) U  | ND (7.5) U  |
| gamma-BHC          | µg/kg | ND (0.65) U | ND (0.61) U | ND (0.62) U | ND (0.63) U | ND (0.62) U | ND (0.64) U | ND (0.76) U |
| gamma-Chlordane    | µg/kg | ND (1.1) U  | ND (1.0) U  | ND (1.0) U  | ND (1.0) U  | ND (1.0) U  | ND (1.0) U  | ND (1.2) U  |
| Heptachlor         | µg/kg | ND (0.66) U | ND (0.62) U | ND (0.63) U | ND (0.64) U | ND (0.63) U | ND (0.65) U | ND (0.77) U |

**TABLE D-9.3**  
**Summary of Soil Analytical Data**  
**Pesticides**

| Parameter                      | Units | P-9(6-8')   | S-1(0-1')   | S-1(10-12') | S-1(16-17') | S-2(0-1')   | S-2(10-12') | S-2(18-20') |
|--------------------------------|-------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Heptachlor epoxide             | µg/kg | ND (0.52) U | ND (0.49) U | ND (0.50) U | ND (0.50) U | ND (0.50) U | ND (0.51) U | 2.7         |
| Malathion                      | µg/kg | ND (5.5) U  | ND (5.2) U  | ND (5.2) U  | ND (5.3) U  | ND (5.3) U  | ND (5.4) U  | ND (6.4) U  |
| Merphos                        | µg/kg | ND (6.1) U  | ND (5.8) U  | ND (5.9) U  | ND (6.0) U  | ND (5.9) U  | ND (6.0) U  | ND (7.1) U  |
| Methoxychlor                   | µg/kg | ND (1.4) U  | ND (1.3) U  | ND (1.4) U  | ND (1.4) U  | ND (1.4) U  | ND (1.4) U  | ND (1.7) U  |
| Methyl parathion               | µg/kg | ND (5.5) U  | ND (5.1) U  | ND (5.2) U  | ND (5.3) U  | ND (5.2) U  | ND (5.3) U  | ND (6.3) U  |
| Mevinphos                      | µg/kg | ND (3.9) U  | ND (3.6) U  | ND (3.7) U  | ND (3.7) U  | ND (3.7) U  | ND (3.8) U  | ND (4.5) U  |
| Naled                          | µg/kg | ND (91) U   | ND (85) U   | ND (87) U   | ND (88) U   | ND (87) U   | ND (89) U   | ND (110) U  |
| O,O,O-Triethylphosphorothioate | µg/kg | ND (2.4) U  | ND (2.3) U  | ND (2.3) U  | ND (2.3) U  | ND (2.3) U  | ND (2.3) U  | ND (2.8) U  |
| Phorate                        | µg/kg | ND (2.4) U  | ND (2.3) U  | ND (2.3) U  | ND (2.4) U  | ND (2.3) U  | ND (2.4) U  | ND (2.8) U  |
| Rommel                         | µg/kg | ND (4.2) U  | ND (3.9) U  | ND (4.0) U  | ND (4.1) U  | ND (4.0) U  | ND (4.1) U  | ND (4.9) U  |
| Sulfotepp                      | µg/kg | ND (2.2) U  | ND (2.1) U  | ND (2.1) U  | ND (2.1) U  | ND (2.1) U  | ND (2.1) U  | ND (2.5) U  |
| Tetrachlorvinphos              | µg/kg | ND (2.9) U  | ND (2.8) U  | ND (2.8) U  | ND (2.9) U  | ND (2.8) U  | ND (2.9) U  | ND (3.4) U  |
| Thionazin                      | µg/kg | ND (2.4) U  | ND (2.2) U  | ND (2.2) U  | ND (2.3) U  | ND (2.3) U  | ND (2.3) U  | ND (2.7) U  |
| Tokuthion                      | µg/kg | ND (2.2) U  | ND (2.1) U  | ND (2.1) U  | ND (2.2) U  | ND (2.1) U  | ND (2.2) U  | ND (2.6) U  |
| Toxaphene                      | µg/kg | ND (46) U   | ND (44) U   | ND (44) U   | ND (45) U   | ND (44) U   | ND (45) U   | ND (54) U   |
| Trichloronate                  | µg/kg | ND (2.4) U  | ND (2.3) U  | ND (2.3) U  | ND (2.4) U  | ND (2.3) U  | ND (2.4) U  | ND (2.8) U  |



**TABLE D-9.4**  
**Summary of Soil Analytical Data**  
**Polychlorinated Biphenyls**

| Parameter    | Units | A-1(0-1')  | A-1(10-12') | A-1(16-18') | A-2(0-1')  | A-2(10-12') | A-2(19-21') | B-1(0-1')  | B-1(10-12') |
|--------------|-------|------------|-------------|-------------|------------|-------------|-------------|------------|-------------|
| Aroclor 1016 | µg/kg | ND (2.8) U | ND (2.8) U  | ND (4.2) U  | ND (12) U  | ND (12) U   | ND (12) U   | ND (12) U  | ND (12) U   |
| Aroclor 1221 | µg/kg | ND (2.8) U | ND (2.8) U  | ND (4.2) U  | ND (12) U  | ND (12) U   | ND (12) U   | ND (12) U  | ND (12) U   |
| Aroclor 1232 | µg/kg | ND (2.8) U | ND (2.8) U  | ND (4.2) U  | ND (12) U  | ND (12) U   | ND (12) U   | ND (12) U  | ND (12) U   |
| Aroclor 1242 | µg/kg | ND (2.8) U | ND (2.8) U  | ND (4.2) U  | ND (12) U  | ND (12) U   | ND (12) U   | ND (12) U  | ND (12) U   |
| Aroclor 1248 | µg/kg | ND (2.8) U | ND (2.8) U  | ND (4.2) U  | ND (12) U  | ND (12) U   | ND (12) U   | ND (12) U  | ND (12) U   |
| Aroclor 1254 | µg/kg | ND (6.5) U | ND (6.4) U  | ND (9.8) U  | ND (9.8) U | ND (9.8) U  | ND (10) U   | ND (9.9) U | ND (10) U   |
| Aroclor 1260 | µg/kg | ND (6.5) U | ND (6.4) U  | ND (9.8) U  | ND (9.8) U | ND (9.8) U  | ND (10) U   | ND (9.9) U | ND (10) U   |

**TABLE D-9.4**  
**Summary of Soil Analytical Data**  
**Polychlorinated Biphenyls**

| Parameter    | Units | B-1(19-21) | B-2(0-1)  | B-2(4-5)   | B-3(0-1)   | B-3(4-5)   | DUP 1     | DUP 2      |
|--------------|-------|------------|-----------|------------|------------|------------|-----------|------------|
| Aroclor 1016 | µg/kg | ND (15) U  | ND (12) U | ND (12) U  | ND (2.7) U | ND (2.9) U | ND (15) U | ND (2.8) U |
| Aroclor 1221 | µg/kg | ND (15) U  | ND (12) U | ND (12) U  | ND (2.7) U | ND (2.9) U | ND (15) U | ND (2.8) U |
| Aroclor 1232 | µg/kg | ND (15) U  | ND (12) U | ND (12) U  | ND (2.7) U | ND (2.9) U | ND (15) U | ND (2.8) U |
| Aroclor 1242 | µg/kg | ND (15) U  | ND (12) U | ND (12) U  | ND (2.7) U | ND (2.9) U | ND (15) U | ND (2.8) U |
| Aroclor 1248 | µg/kg | ND (15) U  | ND (12) U | ND (12) U  | ND (2.7) U | ND (2.9) U | ND (15) U | ND (2.8) U |
| Aroclor 1254 | µg/kg | ND (12) U  | ND (11) U | ND (9.8) U | ND (6.3) U | ND (6.8) U | ND (13) U | ND (6.4) U |
| Aroclor 1260 | µg/kg | ND (12) U  | ND (11) U | ND (9.8) U | ND (6.3) U | ND (6.8) U | ND (13) U | ND (6.4) U |

**TABLE D-9.4**  
**Summary of Soil Analytical Data**  
**Polychlorinated Biphenyls**

| Parameter    | Units | DUP 3      | E-1(0-1')  | E-1(4-5')  | E-2(0-1')  | E-2(4-5')  | E-2(6-8') | P-1(0-1')  | P-1(10-12') |
|--------------|-------|------------|------------|------------|------------|------------|-----------|------------|-------------|
| Aroclor 1016 | µg/kg | ND (2.7) U | ND (12) U  | ND (12) U  | ND (11) U  | ND (11) U  | ND (13) U | ND (11) U  | ND (12) U   |
| Aroclor 1221 | µg/kg | ND (2.7) U | ND (12) U  | ND (12) U  | ND (11) U  | ND (11) U  | ND (13) U | ND (11) U  | ND (12) U   |
| Aroclor 1232 | µg/kg | ND (2.7) U | ND (12) U  | ND (12) U  | ND (11) U  | ND (11) U  | ND (13) U | ND (11) U  | ND (12) U   |
| Aroclor 1242 | µg/kg | ND (2.7) U | ND (12) U  | ND (12) U  | ND (11) U  | ND (11) U  | ND (13) U | ND (11) U  | ND (12) U   |
| Aroclor 1248 | µg/kg | ND (2.7) U | ND (12) U  | ND (12) U  | ND (11) U  | ND (11) U  | ND (13) U | ND (11) U  | ND (12) U   |
| Aroclor 1254 | µg/kg | ND (6.3) U | ND (9.9) U | ND (9.9) U | ND (9.7) U | ND (9.7) U | ND (11) U | ND (9.6) U | ND (9.9) U  |
| Aroclor 1260 | µg/kg | ND (6.3) U | ND (9.9) U | ND (9.9) U | ND (9.7) U | ND (9.7) U | ND (11) U | ND (9.6) U | ND (9.9) U  |

**TABLE D-9.4**  
**Summary of Soil Analytical Data**  
**Polychlorinated Biphenyls**

| Parameter     | Units | P-1(18-20') | P-10(0-1') | P-10(10-11') | P-10(12-12 5') | P-10(16 5-17 5') | P-11(0-1') | P-11(15-17') |
|---------------|-------|-------------|------------|--------------|----------------|------------------|------------|--------------|
| Atroclor 1016 | µg/kg | ND (12) U   | ND (12) U  | ND (12) U    |                | ND (12) U        | ND (11) U  | ND (12) U    |
| Atroclor 1221 | µg/kg | ND (12) U   | ND (12) U  | ND (12) U    |                | ND (12) U        | ND (11) U  | ND (12) U    |
| Atroclor 1232 | µg/kg | ND (12) U   | ND (12) U  | ND (12) U    |                | ND (12) U        | ND (11) U  | ND (12) U    |
| Atroclor 1242 | µg/kg | ND (12) U   | ND (12) U  | ND (12) U    |                | ND (12) U        | ND (11) U  | ND (12) U    |
| Atroclor 1248 | µg/kg | ND (12) U   | ND (12) U  | ND (12) U    |                | ND (12) U        | ND (11) U  | ND (12) U    |
| Atroclor 1254 | µg/kg | ND (10) U   | ND (9.8) U | ND (10) U    |                | ND (10) U        | ND (9.6) U | ND (10) U    |
| Atroclor 1260 | µg/kg | ND (10) U   | ND (9.8) U | ND (10) U    |                | ND (10) U        | ND (9.6) U | ND (10) U    |

**TABLE D-9.4**  
**Summary of Soil Analytical Data**  
**Polychlorinated Biphenyls**

| Parameter    | Units | P-11(4-5') | P-12(0-1') | P-12(15-17') | P-12(4-5') | P-13(0-1') | P-13(4-5') | P-14(0-1') | P-14(4-5') |
|--------------|-------|------------|------------|--------------|------------|------------|------------|------------|------------|
| Aroclor 1016 | µg/kg | ND (11) U  | ND (12) U  | ND (12) U    | ND (11) U  | ND (12) U  | ND (12) U  | ND (12) U  | ND (12) U  |
| Aroclor 1221 | µg/kg | ND (11) U  | ND (12) U  | ND (12) U    | ND (11) U  | ND (12) U  | ND (12) U  | ND (12) U  | ND (12) U  |
| Aroclor 1232 | µg/kg | ND (11) U  | ND (12) U  | ND (12) U    | ND (11) U  | ND (12) U  | ND (12) U  | ND (12) U  | ND (12) U  |
| Aroclor 1242 | µg/kg | ND (11) U  | ND (12) U  | ND (12) U    | ND (11) U  | ND (12) U  | ND (12) U  | ND (12) U  | ND (12) U  |
| Aroclor 1248 | µg/kg | ND (11) U  | ND (12) U  | ND (12) U    | ND (11) U  | ND (12) U  | ND (12) U  | ND (12) U  | ND (12) U  |
| Aroclor 1254 | µg/kg | ND (9.7) U | ND (10) U  | ND (10) U    | ND (9.5) U | ND (10) U  | ND (9.9) U | ND (9.9) U | ND (10) U  |
| Aroclor 1260 | µg/kg | ND (9.7) U | ND (10) U  | ND (10) U    | ND (9.5) U | ND (10) U  | ND (9.9) U | ND (9.9) U | ND (10) U  |

**TABLE D-9.4**  
**Summary of Soil Analytical Data**  
**Polychlorinated Biphenyls**

| Parameter    | Units | P-15(0-1') | P-15(4-5') | P-16(0-1') | P-16(4-5') | P-17(0-1') | P-17(4-5') | P-17(6-8') | P-2(0-1')  |
|--------------|-------|------------|------------|------------|------------|------------|------------|------------|------------|
| Aroclor 1016 | µg/kg | ND (12) U  | ND (12) U  | ND (12) U  | ND (12) U  | ND (2.7) U | ND (3.0) U | ND (12) U  | ND (11) U  |
| Aroclor 1221 | µg/kg | ND (12) U  | ND (12) U  | ND (12) U  | ND (12) U  | ND (2.7) U | ND (3.0) U | ND (12) U  | ND (11) U  |
| Aroclor 1232 | µg/kg | ND (12) U  | ND (12) U  | ND (12) U  | ND (12) U  | ND (2.7) U | ND (3.0) U | ND (12) U  | ND (11) U  |
| Aroclor 1242 | µg/kg | ND (12) U  | ND (12) U  | ND (12) U  | ND (12) U  | ND (2.7) U | ND (3.0) U | ND (12) U  | ND (11) U  |
| Aroclor 1248 | µg/kg | ND (12) U  | ND (12) U  | ND (12) U  | ND (12) U  | ND (2.7) U | ND (3.0) U | ND (12) U  | ND (11) U  |
| Aroclor 1254 | µg/kg | ND (10) U  | ND (11) U  | ND (10) U  | ND (10) U  | ND (6.3) U | ND (6.9) U | ND (10) U  | ND (9.7) U |
| Aroclor 1260 | µg/kg | ND (10) U  | ND (11) U  | ND (10) U  | ND (10) U  | ND (6.3) U | ND (6.9) U | ND (10) U  | ND (9.7) U |

**TABLE D-9.4**  
**Summary of Soil Analytical Data**  
**Polychlorinated Biphenyls**

| Parameter    | Units | P-2(10-12') | P-2(16-18') | P-3(0-1')  | P-3(10-12') | P-3(18-20') | P-4(0-1')  | P-4(10-12') | P-4(20-22') |
|--------------|-------|-------------|-------------|------------|-------------|-------------|------------|-------------|-------------|
| Aroclor 1016 | µg/kg | ND (12) U   | ND (12) U   | ND (12) U  | ND (12) U   | ND (12) U   | ND (11) U  | ND (12) U   | ND (12) U   |
| Aroclor 1221 | µg/kg | ND (12) U   | ND (12) U   | ND (12) U  | ND (12) U   | ND (12) U   | ND (11) U  | ND (12) U   | ND (12) U   |
| Aroclor 1232 | µg/kg | ND (12) U   | ND (12) U   | ND (12) U  | ND (12) U   | ND (12) U   | ND (11) U  | ND (12) U   | ND (12) U   |
| Aroclor 1242 | µg/kg | ND (12) U   | ND (12) U   | ND (12) U  | ND (12) U   | ND (12) U   | ND (11) U  | ND (12) U   | ND (12) U   |
| Aroclor 1248 | µg/kg | ND (12) U   | ND (12) U   | ND (12) U  | ND (12) U   | ND (12) U   | ND (11) U  | ND (12) U   | ND (12) U   |
| Aroclor 1254 | µg/kg | ND (10) U   | ND (10) U   | ND (9.9) U | ND (9.9) U  | ND (10) U   | ND (9.6) U | ND (9.8) U  | ND (10) U   |
| Aroclor 1260 | µg/kg | ND (10) U   | ND (10) U   | ND (9.9) U | ND (9.9) U  | ND (10) U   | ND (9.6) U | ND (9.8) U  | ND (10) U   |

**TABLE D-9.4**  
**Summary of Soil Analytical Data**  
**Polychlorinated Biphenyls**

| Parameter    | Units | P-5(0-1')  | P-5(10-12') | P-5(16-18') | P-6(0-1')  | P-6(10-12') | P-6(18-21') | P-7(0-1') |
|--------------|-------|------------|-------------|-------------|------------|-------------|-------------|-----------|
| Aroclor 1016 | µg/kg | ND (2.8) U | ND (2.8) U  | ND (2.9) U  | ND (12) U  | ND (12) U   | ND (12) U   | ND (12) U |
| Aroclor 1221 | µg/kg | ND (2.8) U | ND (2.8) U  | ND (2.9) U  | ND (12) U  | ND (12) U   | ND (12) U   | ND (12) U |
| Aroclor 1232 | µg/kg | ND (2.8) U | ND (2.8) U  | ND (2.9) U  | ND (12) U  | ND (12) U   | ND (12) U   | ND (12) U |
| Aroclor 1242 | µg/kg | ND (2.8) U | ND (2.8) U  | ND (2.9) U  | ND (12) U  | ND (12) U   | ND (12) U   | ND (12) U |
| Aroclor 1248 | µg/kg | ND (2.8) U | ND (2.8) U  | ND (2.9) U  | ND (12) U  | ND (12) U   | ND (12) U   | ND (12) U |
| Aroclor 1254 | µg/kg | ND (6.4) U | ND (6.5) U  | ND (6.8) U  | ND (9.9) U | ND (9.9) U  | ND (11) U   | ND (10) U |
| Aroclor 1260 | µg/kg | ND (6.4) U | ND (6.5) U  | ND (6.8) U  | ND (9.9) U | ND (9.9) U  | ND (11) U   | ND (10) U |



**TABLE D-9.4**  
**Summary of Soil Analytical Data**  
**Polychlorinated Biphenyls**

| Parameter    | Units | P-7(10-12') | P-7(18-20') | P-7(19-21') | P-7(2-3') | P-8(0-1')  | P-8(10-12') | P-8(16-18') | P-9(0-1')  |
|--------------|-------|-------------|-------------|-------------|-----------|------------|-------------|-------------|------------|
| Aroclor 1016 | µg/kg | ND (13) U   | ND (16) U   | ND (13) U   |           | ND (2.9) U | ND (2.7) U  | ND (3.0) U  | ND (12) U  |
| Aroclor 1221 | µg/kg | ND (13) U   | ND (16) U   | ND (13) U   |           | ND (2.9) U | ND (2.7) U  | ND (3.0) U  | ND (12) U  |
| Aroclor 1232 | µg/kg | ND (13) U   | ND (16) U   | ND (13) U   |           | ND (2.9) U | ND (2.7) U  | ND (3.0) U  | ND (12) U  |
| Aroclor 1242 | µg/kg | ND (13) U   | ND (16) U   | ND (13) U   |           | ND (2.9) U | ND (2.7) U  | ND (3.0) U  | ND (12) U  |
| Aroclor 1248 | µg/kg | ND (13) U   | ND (16) U   | ND (13) U   |           | ND (2.9) U | ND (2.7) U  | ND (3.0) U  | ND (12) U  |
| Aroclor 1254 | µg/kg | ND (11) U   | ND (14) U   | ND (11) U   |           | ND (6.6) U | ND (6.4) U  | ND (6.9) U  | ND (9.9) U |
| Aroclor 1260 | µg/kg | ND (11) U   | ND (14) U   | ND (11) U   |           | ND (6.6) U | ND (6.4) U  | ND (6.9) U  | ND (9.9) U |

**TABLE D-9.4**  
**Summary of Soil Analytical Data**  
**Polychlorinated Biphenyls**

| Parameter    | Units | P-9(6-8') | S-1(0-1')  | S-1(10-12') | S-1(16-17') | S-2(0-1')  | S-2(10-12') | S-2(18-20') |
|--------------|-------|-----------|------------|-------------|-------------|------------|-------------|-------------|
| Aroclor 1016 | µg/kg | ND (12) U | ND (11) U  | ND (12) U   | ND (12) U   | ND (12) U  | ND (12) U   | ND (14) U   |
| Aroclor 1221 | µg/kg | ND (12) U | ND (11) U  | ND (12) U   | ND (12) U   | ND (12) U  | ND (12) U   | ND (14) U   |
| Aroclor 1232 | µg/kg | ND (12) U | ND (11) U  | ND (12) U   | ND (12) U   | ND (12) U  | ND (12) U   | ND (14) U   |
| Aroclor 1242 | µg/kg | ND (12) U | ND (11) U  | ND (12) U   | ND (12) U   | ND (12) U  | ND (12) U   | ND (14) U   |
| Aroclor 1248 | µg/kg | ND (12) U | ND (11) U  | ND (12) U   | ND (12) U   | ND (12) U  | ND (12) U   | ND (14) U   |
| Aroclor 1254 | µg/kg | ND (10) U | ND (9.7) U | ND (9.8) U  | ND (10) U   | ND (9.9) U | ND (10) U   | ND (12) U   |
| Aroclor 1260 | µg/kg | ND (10) U | ND (9.7) U | ND (9.8) U  | ND (10) U   | ND (9.9) U | ND (10) U   | ND (12) U   |

**TABLE D-9.5**  
**Summary of Soil Analytical Data**  
**Dioxins/Furans**

| Parameter           | Units | A-1(0-1')   | A-1(10-12') | A-1(16-18') | A-2(0-1')   | A-2(10-12') | A-2(19-21') | B-1(0-1')   | B-1(10-12') |
|---------------------|-------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 1,2,3,4,6,7,8-HpCDD | pg/g  | ND (0.26) U | ND (0.26) U | ND (0.90) U | ND (1.1) U  | ND (0.98) U | ND (0.56) U | ND (0.86) U | 3.2 J       |
| 1,2,3,4,6,7,8-HpCDF | pg/g  | ND (0.27) U | ND (0.21) U | ND (0.80) U | ND (1.1) U  | ND (0.56) U | ND (0.37) U | ND (0.48) U | ND (2.4) U  |
| 1,2,3,4,7,8,9-HpCDF | pg/g  | ND (0.27) U | ND (0.21) U | ND (0.77) U | ND (1.3) U  | ND (0.66) U | ND (0.44) U | ND (0.56) U | ND (0.65) U |
| 1,2,3,4,7,8-HxCDD   | pg/g  | ND (0.29) U | ND (0.27) U | ND (0.31) U | ND (0.71) U | ND (0.79) U | ND (0.44) U | ND (0.78) U | ND (0.51) U |
| 1,2,3,4,7,8-HxCDF   | pg/g  | ND (0.21) U | ND (0.19) U | ND (0.41) U | ND (0.62) U | ND (0.71) U | ND (0.41) U | ND (0.54) U | ND (1.2) U  |
| 1,2,3,6,7,8-HxCDD   | pg/g  | ND (0.28) U | ND (0.26) U | ND (0.31) U | ND (0.76) U | ND (0.84) U | ND (0.46) U | ND (0.82) U | ND (0.54) U |
| 1,2,3,6,7,8-HxCDF   | pg/g  | ND (0.18) U | ND (0.12) U | ND (0.33) U | ND (0.59) U | ND (0.68) U | ND (0.39) U | ND (0.51) U | ND (0.56) U |
| 1,2,3,7,8,9-HxCDD   | pg/g  | ND (0.27) U | ND (0.25) U | ND (0.30) U | ND (0.68) U | ND (0.76) U | ND (0.42) U | ND (0.75) U | ND (0.48) U |
| 1,2,3,7,8,9-HxCDF   | pg/g  | ND (0.23) U | ND (0.15) U | ND (0.23) U | ND (0.73) U | ND (0.84) U | ND (0.49) U | ND (0.63) U | ND (0.47) U |
| 1,2,3,7,8-PeCDD     | pg/g  | ND (0.36) U | ND (0.34) U | ND (0.44) U | ND (0.58) U | ND (0.91) U | ND (0.49) U | ND (0.94) U | ND (0.60) U |
| 1,2,3,7,8-PeCDF     | pg/g  | ND (0.22) U | ND (0.20) U | ND (0.31) U | ND (0.48) U | ND (0.51) U | ND (0.33) U | ND (0.54) U | ND (0.58) U |
| 2,3,4,6,7,8-HxCDF   | pg/g  | ND (0.21) U | ND (0.14) U | ND (0.23) U | ND (0.65) U | ND (0.77) U | ND (0.43) U | ND (0.57) U | ND (0.43) U |
| 2,3,4,7,8-PeCDF     | pg/g  | ND (0.21) U | ND (0.19) U | ND (0.30) U | ND (0.47) U | ND (0.51) U | ND (0.33) U | ND (0.53) U | ND (0.45) U |
| 2,3,7,8-TCDD        | pg/g  | ND (0.25) U | ND (0.24) U | ND (0.30) U | ND (0.33) U | ND (0.45) U | ND (0.27) U | ND (0.45) U | ND (0.32) U |
| 2,3,7,8-TCDF        | pg/g  | ND (0.13) U | ND (0.12) U | ND (0.18) U | ND (0.33) U | ND (0.34) U | ND (0.23) U | ND (0.32) U | 0.56 CON J  |
| OCDD                | pg/g  | ND (2.2) U  | ND (2.0) U  | ND (3.4) U  | ND (3.8) U  | ND (1.7) U  | ND (1.3) U  | ND (1.9) U  | 16          |
| OCDF                | pg/g  | ND (0.96) U | ND (0.95) U | ND (1.7) U  | ND (4.3) U  | ND (2.0) U  | ND (1.3) U  | ND (2.5) U  | 15          |

**TABLE D-9.5**  
**Summary of Soil Analytical Data**  
**Dioxins/Furans**

| Parameter           | Units | B-1(19-21') | B-2(0-1')   | B-2(4-5')   | B-3(0-1')   | B-3(4-5')   | DUP 1       | DUP 2       |
|---------------------|-------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 1,2,3,4,6,7,8-HpCDD | pg/g  | ND (2.5) U  | ND (2.6) U  | 21          | ND (0.89) U | ND (0.63) U | ND (2.6) U  | ND (0.56) U |
| 1,2,3,4,6,7,8-HpCDF | pg/g  | 6.5 J       | 14          | 110         | ND (1.4) U  | ND (0.73) U | 18          | ND (0.59) U |
| 1,2,3,4,7,8,9-HpCDF | pg/g  | ND (2.8) U  | 4.1 J       | 31          | ND (0.92) U | ND (0.53) U | 5.0 J       | ND (0.52) U |
| 1,2,3,4,7,8-HxCDD   | pg/g  | ND (0.68) U | ND (0.33) U | ND (1.4) U  | ND (0.48) U | ND (0.33) U | ND (0.36) U | ND (0.46) U |
| 1,2,3,4,7,8-HxCDF   | pg/g  | 4.8 J       | 6.2         | 51          | ND (0.91) U | ND (0.32) U | 9           | ND (0.38) U |
| 1,2,3,6,7,8-HxCDD   | pg/g  | ND (0.72) U | ND (0.58) U | 3.7 J       | ND (0.48) U | ND (0.32) U | ND (0.54) U | ND (0.45) U |
| 1,2,3,6,7,8-HxCDF   | pg/g  | ND (2.8) U  | 3.5 J       | 27          | ND (0.35) U | ND (0.31) U | 5.2 J       | ND (0.26) U |
| 1,2,3,7,8,9-HxCDD   | pg/g  | ND (0.65) U | ND (0.87) U | 3.6 J       | ND (0.46) U | ND (0.31) U | ND (0.64) U | ND (0.43) U |
| 1,2,3,7,8,9-HxCDF   | pg/g  | ND (0.67) U | ND (0.73) U | 4.8 J       | ND (0.39) U | ND (0.28) U | ND (0.85) U | ND (0.32) U |
| 1,2,3,7,8-PeCDD     | pg/g  | ND (0.80) U | ND (0.50) U | ND (1.5) U  | ND (0.45) U | ND (0.44) U | ND (0.54) U | ND (0.68) U |
| 1,2,3,7,8-PeCDF     | pg/g  | 3.7 J       | ND (2.7) U  | 21          | ND (0.32) U | ND (0.28) U | 3.9 J       | ND (0.38) U |
| 2,3,4,6,7,8-HxCDF   | pg/g  | ND (0.89) U | ND (0.88) U | 7.3         | ND (0.34) U | ND (0.25) U | ND (1.5) U  | ND (0.29) U |
| 2,3,4,7,8-PeCDF     | pg/g  | ND (2.0) U  | ND (1.6) U  | 12          | ND (0.32) U | ND (0.27) U | ND (2.1) U  | ND (0.36) U |
| 2,3,7,8-TCDD        | pg/g  | ND (0.39) U | ND (0.27) U | ND (0.42) U | ND (0.33) U | ND (0.25) U | ND (0.28) U | ND (0.34) U |
| 2,3,7,8-TCDF        | pg/g  | 4.6 CON     | 2.0 CON     | 15 CON      | ND (0.45) U | ND (0.16) U | 1.9 CON     | ND (0.24) U |
| OCDD                | pg/g  | 13 J        | 12          | 110         | 8.2 J       | ND (3.8) U  | 8.1 J       | ND (4.6) U  |
| OCDF                | pg/g  | 37          | 130         | 860         | ND (4.9) U  | ND (2.2) U  | 55          | ND (2.0) U  |

**TABLE D-9.5**  
**Summary of Soil Analytical Data**  
**Dioxins/Furans**

| Parameter           | Units | DUP 3       | E-1(0-1')   | E-1(4-5')   | E-2(0-1')   | E-2(4-5')   | E-2(6-8')   | P-1(0-1')   | P-1(10-12') |
|---------------------|-------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 1,2,3,4,6,7,8-HpCDD | pg/g  | ND (0.37) U | ND (0.78) U | ND (0.69) U | 19          | ND (1.2) U  | ND (2.1) U  | ND (0.67) U | ND (0.66) U |
| 1,2,3,4,6,7,8-HpCDF | pg/g  | ND (0.20) U | ND (0.41) U | ND (0.36) U | 25          | 4.7 J       | 3.7 J       | ND (0.48) U | ND (0.53) U |
| 1,2,3,4,7,8,9-HpCDF | pg/g  | ND (0.26) U | ND (0.49) U | ND (0.43) U | 10          | ND (1.5) U  | 3.1 J       | ND (0.58) U | ND (0.63) U |
| 1,2,3,4,7,8-HxCDD   | pg/g  | ND (0.42) U | ND (0.58) U | ND (0.74) U | ND (0.44) U | ND (0.40) U | ND (0.57) U | ND (0.53) U | ND (0.50) U |
| 1,2,3,4,7,8-HxCDF   | pg/g  | ND (0.22) U | ND (0.36) U | ND (0.56) U | 15          | 2.8 J       | ND (2.8) U  | ND (0.44) U | ND (0.38) U |
| 1,2,3,6,7,8-HxCDD   | pg/g  | ND (0.41) U | ND (0.62) U | ND (0.78) U | ND (1.4) U  | ND (0.42) U | ND (0.60) U | ND (0.56) U | ND (0.53) U |
| 1,2,3,6,7,8-HxCDF   | pg/g  | ND (0.20) U | ND (0.35) U | ND (0.53) U | 8.9         | ND (1.7) U  | 3.7 J       | ND (0.41) U | ND (0.36) U |
| 1,2,3,7,8,9-HxCDD   | pg/g  | ND (0.39) U | ND (0.56) U | ND (0.71) U | ND (1.3) U  | ND (0.38) U | ND (0.53) U | ND (0.51) U | ND (0.48) U |
| 1,2,3,7,8,9-HxCDF   | pg/g  | ND (0.25) U | ND (0.42) U | ND (0.67) U | ND (1.5) U  | ND (0.41) U | ND (0.96) U | ND (0.52) U | ND (0.45) U |
| 1,2,3,7,8-PeCDD     | pg/g  | ND (0.65) U | ND (0.96) U | ND (1.1) U  | ND (0.68) U | ND (0.45) U | ND (0.76) U | ND (0.59) U | ND (0.51) U |
| 1,2,3,7,8-PeCDF     | pg/g  | ND (0.35) U | ND (0.51) U | ND (0.62) U | 8.5         | ND (1.4) U  | ND (1.8) U  | ND (0.38) U | ND (0.32) U |
| 2,3,4,6,7,8-HxCDF   | pg/g  | ND (0.22) U | ND (0.39) U | ND (0.60) U | ND (2.2) U  | ND (0.44) U | ND (0.88) U | ND (0.46) U | ND (0.41) U |
| 2,3,4,7,8-PeCDF     | pg/g  | ND (0.34) U | ND (0.51) U | ND (0.61) U | 4.2 J       | ND (0.80) U | ND (1.2) U  | ND (0.37) U | ND (0.32) U |
| 2,3,7,8-TCDD        | pg/g  | ND (0.32) U | ND (0.49) U | ND (0.51) U | ND (0.33) U | ND (0.28) U | ND (0.41) U | ND (0.35) U | ND (0.30) U |
| 2,3,7,8-TCDF        | pg/g  | ND (0.21) U | ND (0.33) U | ND (0.37) U | 5.0 CON     | 1.1 CON     | ND (0.45) U | ND (0.25) U | ND (0.19) U |
| OCDD                | pg/g  | ND (1.4) U  | ND (1.4) U  | ND (1.2) U  | 49          | ND (4.2) U  | 12          | ND (1.2) U  | ND (1.2) U  |
| OCDF                | pg/g  | ND (1.1) U  | ND (1.7) U  | ND (1.5) U  | 130         | 21          | 7.8 J       | ND (2.0) U  | ND (1.3) U  |

**TABLE D-9.5**  
**Summary of Soil Analytical Data**  
**Dioxins/Furans**

| Parameter           | Units | P-1(18-20') | P-10(0-1')  | P-10(10-11') | P-10(12-12_5') | P-10(16_5-17_5') | P-11(0-1')  | P-11(15-17') |
|---------------------|-------|-------------|-------------|--------------|----------------|------------------|-------------|--------------|
| 1,2,3,4,6,7,8-HpCDD | pg/g  | ND (1.4) U  | 6.2         | ND (0.96) U  |                | ND (0.79) U      | ND (0.78) U | ND (1.7) U   |
| 1,2,3,4,6,7,8-HpCDF | pg/g  | ND (0.60) U | 36          | ND (0.65) U  |                | ND (0.53) U      | ND (2.0) U  | ND (1.2) U   |
| 1,2,3,4,7,8,9-HpCDF | pg/g  | ND (0.38) U | 13          | ND (0.30) U  |                | ND (0.33) U      | ND (0.76) U | ND (0.36) U  |
| 1,2,3,4,7,8-HxCDD   | pg/g  | ND (0.43) U | ND (1.1) U  | ND (0.30) U  |                | ND (0.36) U      | ND (0.44) U | ND (0.26) U  |
| 1,2,3,4,7,8-HxCDF   | pg/g  | ND (0.39) U | 24          | ND (0.36) U  |                | ND (0.31) U      | ND (2.2) U  | ND (0.47) U  |
| 1,2,3,6,7,8-HxCDD   | pg/g  | ND (0.46) U | ND (1.6) U  | ND (0.38) U  |                | ND (0.35) U      | ND (0.46) U | ND (0.28) U  |
| 1,2,3,6,7,8-HxCDF   | pg/g  | ND (0.37) U | 9           | ND (0.25) U  |                | ND (0.19) U      | ND (0.32) U | ND (0.32) U  |
| 1,2,3,7,8,9-HxCDD   | pg/g  | ND (0.41) U | ND (1.3) U  | ND (0.35) U  |                | ND (0.34) U      | ND (0.42) U | ND (0.38) U  |
| 1,2,3,7,8,9-HxCDF   | pg/g  | ND (0.46) U | ND (1.5) U  | ND (0.22) U  |                | ND (0.23) U      | ND (0.32) U | ND (0.40) U  |
| 1,2,3,7,8-PeCDD     | pg/g  | ND (0.60) U | ND (0.56) U | ND (0.45) U  |                | ND (0.51) U      | ND (0.55) U | ND (0.36) U  |
| 1,2,3,7,8-PeCDF     | pg/g  | ND (0.37) U | 8           | ND (0.29) U  |                | ND (0.33) U      | ND (0.35) U | ND (0.21) U  |
| 2,3,4,6,7,8-HxCDF   | pg/g  | ND (0.41) U | 2.8 J       | ND (0.19) U  |                | ND (0.21) U      | ND (0.29) U | ND (0.22) U  |
| 2,3,4,7,8-PeCDF     | pg/g  | ND (0.36) U | 5.3         | ND (0.28) U  |                | ND (0.32) U      | ND (0.35) U | ND (0.21) U  |
| 2,3,7,8-TCDD        | pg/g  | ND (0.27) U | ND (0.35) U | ND (0.30) U  |                | ND (0.30) U      | ND (0.27) U | ND (0.21) U  |
| 2,3,7,8-TCDF        | pg/g  | ND (0.22) U | 8.1 CON     | ND (0.28) U  |                | ND (0.21) U      | ND (0.83) U | ND (0.28) U  |
| OCDD                | pg/g  | 8.1 J       | 18 B        | ND (3.8) U   |                | ND (3.5) U       | ND (1.8) U  | 18           |
| OCDF                | pg/g  | ND (2.8) U  | 100         | ND (1.9) U   |                | ND (1.7) U       | 8.2 J       | ND (4.5) U   |

**TABLE D-9.5**  
**Summary of Soil Analytical Data**  
**Dioxins/Furans**

| Parameter           | Units | P-11(4-5)   | P-12(0-1')  | P-12(15-17') | P-12(4-5')  | P-13(0-1')  | P-13(4-5')  | P-14(0-1')  | P-14(4-5')  |
|---------------------|-------|-------------|-------------|--------------|-------------|-------------|-------------|-------------|-------------|
| 1,2,3,4,6,7,8-HpCDD | pg/g  | ND (0.27) U | ND (0.30) U | ND (1.3) U   | ND (0.42) U | ND (0.34) U | 14          | ND (0.35) U | ND (0.71) U |
| 1,2,3,4,6,7,8-HpCDF | pg/g  | ND (0.79) U | ND (1.2) U  | ND (0.93) U  | ND (1.9) U  | ND (1.3) U  | 91          | ND (0.30) U | 5.1 J       |
| 1,2,3,4,7,8,9-HpCDF | pg/g  | ND (0.24) U | ND (0.37) U | ND (0.35) U  | ND (0.45) U | ND (0.36) U | 25          | ND (0.26) U | ND (1.3) U  |
| 1,2,3,4,7,8-HxCDD   | pg/g  | ND (0.25) U | ND (0.29) U | ND (0.23) U  | ND (0.28) U | ND (0.30) U | ND (1.5) U  | ND (0.30) U | ND (0.27) U |
| 1,2,3,4,7,8-HxCDF   | pg/g  | ND (0.75) U | ND (0.64) U | ND (0.26) U  | ND (0.93) U | ND (0.76) U | 53          | ND (0.31) U | 3.0 J       |
| 1,2,3,6,7,8-HxCDD   | pg/g  | ND (0.26) U | ND (0.32) U | ND (0.25) U  | ND (0.29) U | ND (0.32) U | 3.4 J       | ND (0.31) U | ND (0.28) U |
| 1,2,3,6,7,8-HxCDF   | pg/g  | ND (0.18) U | ND (0.28) U | ND (0.20) U  | ND (0.46) U | ND (0.39) U | 26          | ND (0.22) U | ND (1.5) U  |
| 1,2,3,7,8,9-HxCDD   | pg/g  | ND (0.24) U | ND (0.27) U | ND (0.23) U  | ND (0.27) U | ND (0.28) U | 3.1 J       | ND (0.27) U | ND (0.26) U |
| 1,2,3,7,8,9-HxCDF   | pg/g  | ND (0.23) U | ND (0.45) U | ND (0.23) U  | ND (0.28) U | ND (0.44) U | 3.4 J       | ND (0.27) U | ND (0.27) U |
| 1,2,3,7,8-PeCDD     | pg/g  | ND (0.39) U | ND (0.38) U | ND (0.36) U  | ND (0.38) U | ND (0.36) U | ND (1.4) U  | ND (0.40) U | ND (0.44) U |
| 1,2,3,7,8-PeCDF     | pg/g  | ND (0.28) U | ND (0.28) U | ND (0.19) U  | ND (0.31) U | ND (0.25) U | 20          | ND (0.31) U | ND (0.97) U |
| 2,3,4,6,7,8-HxCDF   | pg/g  | ND (0.20) U | ND (0.22) U | ND (0.26) U  | ND (0.25) U | ND (0.21) U | 6.5         | ND (0.25) U | ND (0.45) U |
| 2,3,4,7,8-PeCDF     | pg/g  | ND (0.27) U | ND (0.28) U | ND (0.19) U  | ND (0.30) U | ND (0.25) U | 11          | ND (0.31) U | ND (0.49) U |
| 2,3,7,8-TCDD        | pg/g  | ND (0.20) U | ND (0.22) U | ND (0.25) U  | ND (0.22) U | ND (0.21) U | ND (0.39) U | ND (0.20) U | ND (0.23) U |
| 2,3,7,8-TCDF        | pg/g  | ND (0.35) U | ND (0.62) U | ND (0.24) U  | ND (0.62) U | ND (0.24) U | 12 CON      | ND (0.25) U | ND (0.51) U |
| OCDD                | pg/g  | ND (1.1) U  | ND (0.90) U | 20           | ND (1.4) U  | ND (1.0) U  | 26          | ND (0.56) U | ND (1.9) U  |
| OCDF                | pg/g  | ND (2.1) U  | ND (3.0) U  | ND (3.5) U   | ND (4.6) U  | ND (2.9) U  | 210         | ND (0.81) U | 12          |

**TABLE D-9.5**  
**Summary of Soil Analytical Data**  
**Dioxins/Furans**

| Parameter           | Units | P-15(0-1')  | P-15(4-5')  | P-16(0-1')  | P-16(4-5')  | P-17(0-1')  | P-17(4-5')  | P-17(6-8')  | P-2(0-1')   |
|---------------------|-------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 1,2,3,4,6,7,8-HpCDD | pg/g  | ND (0.47) U | ND (0.41) U | ND (0.29) U | ND (0.25) U | ND (0.71) U | ND (0.47) U | ND (2.6) U  | ND (0.56) U |
| 1,2,3,4,6,7,8-HpCDF | pg/g  | ND (0.78) U | ND (0.60) U | ND (0.50) U | ND (0.35) U | ND (1.3) U  | ND (0.92) U | ND (0.99) U | ND (0.29) U |
| 1,2,3,4,7,8,9-HpCDF | pg/g  | ND (0.45) U | ND (0.24) U | ND (0.18) U | ND (0.23) U | ND (0.61) U | ND (0.49) U | ND (0.46) U | ND (0.34) U |
| 1,2,3,4,7,8-HxCDD   | pg/g  | ND (0.33) U | ND (0.32) U | ND (0.25) U | ND (0.25) U | ND (0.50) U | ND (0.37) U | ND (0.22) U | ND (0.39) U |
| 1,2,3,4,7,8-HxCDF   | pg/g  | ND (2.0) U  | ND (1.1) U  | ND (0.37) U | ND (0.21) U | ND (1.5) U  | ND (0.69) U | ND (0.46) U | ND (0.34) U |
| 1,2,3,6,7,8-HxCDD   | pg/g  | ND (0.34) U | ND (0.33) U | ND (0.27) U | ND (0.27) U | ND (0.50) U | ND (0.37) U | ND (0.28) U | ND (0.41) U |
| 1,2,3,6,7,8-HxCDF   | pg/g  | ND (0.47) U | ND (0.28) U | ND (0.22) U | ND (0.17) U | ND (0.40) U | ND (0.23) U | ND (0.34) U | ND (0.33) U |
| 1,2,3,7,8,9-HxCDD   | pg/g  | ND (0.30) U | ND (0.30) U | ND (0.24) U | ND (0.24) U | ND (0.48) U | ND (0.34) U | ND (0.30) U | ND (0.38) U |
| 1,2,3,7,8,9-HxCDF   | pg/g  | ND (0.27) U | ND (0.28) U | ND (0.22) U | ND (0.21) U | ND (0.37) U | ND (0.19) U | ND (0.23) U | ND (0.41) U |
| 1,2,3,7,8-PeCDD     | pg/g  | ND (0.44) U | ND (0.43) U | ND (0.37) U | ND (0.35) U | ND (0.83) U | ND (0.52) U | ND (0.39) U | ND (0.48) U |
| 1,2,3,7,8-PeCDF     | pg/g  | ND (0.67) U | ND (0.32) U | ND (0.24) U | ND (0.23) U | ND (0.43) U | ND (0.33) U | ND (0.24) U | ND (0.26) U |
| 2,3,4,6,7,8-HxCDF   | pg/g  | ND (0.24) U | ND (0.26) U | ND (0.19) U | ND (0.19) U | ND (0.34) U | ND (0.18) U | ND (0.34) U | ND (0.38) U |
| 2,3,4,7,8-PeCDF     | pg/g  | ND (0.37) U | ND (0.32) U | ND (0.24) U | ND (0.23) U | ND (0.42) U | ND (0.33) U | ND (0.24) U | ND (0.26) U |
| 2,3,7,8-TCDD        | pg/g  | ND (0.29) U | ND (0.23) U | ND (0.17) U | ND (0.19) U | ND (0.29) U | ND (0.28) U | ND (0.26) U | ND (0.29) U |
| 2,3,7,8-TCDF        | pg/g  | 2.2 CON     | ND (0.42) U | ND (0.25) U | ND (0.17) U | ND (0.51) U | ND (0.32) U | ND (0.20) U | ND (0.17) U |
| OCDD                | pg/g  | ND (1.2) U  | ND (0.77) U | ND (0.69) U | ND (0.58) U | 8.4 J       | ND (4.5) U  | 50          | ND (0.74) U |
| OCDF                | pg/g  | ND (1.4) U  | ND (1.1) U  | ND (1.0) U  | ND (0.90) U | 5.9 J       | ND (2.8) U  | ND (3.0) U  | ND (0.70) U |



**TABLE D-9.5**  
**Summary of Soil Analytical Data**  
**Dioxins/Furans**

| Parameter           | Units | P-2(10-12') | P-2(16-18') | P-3(0-1')   | P-3(10-12') | P-3(18-20') | P-4(0-1') | P-4(10-12') | P-4(20-22') |
|---------------------|-------|-------------|-------------|-------------|-------------|-------------|-----------|-------------|-------------|
| 1,2,3,4,6,7,8-HpCDD | pg/g  | ND (1.1) U  | ND (0.90) U | ND (0.76) U | ND (0.69) U | ND (0.57) U | 50        | ND (2.7) U  | 3.0 J       |
| 1,2,3,4,6,7,8-HpCDF | pg/g  | ND (0.82) U | ND (0.73) U | 4.9 J       | ND (0.36) U | ND (0.28) U | 320       | 9.3         | 4.8 J       |
| 1,2,3,4,7,8,9-HpCDF | pg/g  | ND (0.98) U | ND (0.87) U | ND (1.8) U  | ND (0.43) U | ND (0.34) U | 160       | 4.4 J       | ND (2.1) U  |
| 1,2,3,4,7,8-HxCDD   | pg/g  | ND (0.74) U | ND (0.56) U | ND (0.39) U | ND (0.52) U | ND (0.56) U | 3.6 J     | ND (0.32) U | ND (0.85) U |
| 1,2,3,4,7,8-HxCDF   | pg/g  | ND (0.59) U | ND (0.48) U | ND (2.2) U  | ND (0.38) U | ND (0.38) U | 170       | 5.3         | ND (2.4) U  |
| 1,2,3,6,7,8-HxCDD   | pg/g  | ND (0.78) U | ND (0.60) U | ND (0.41) U | ND (0.55) U | ND (0.59) U | 10        | ND (0.45) U | ND (1.3) U  |
| 1,2,3,6,7,8-HxCDF   | pg/g  | ND (0.56) U | ND (0.45) U | ND (1.3) U  | ND (0.36) U | ND (0.36) U | 110       | 3.1 J       | ND (1.6) U  |
| 1,2,3,7,8,9-HxCDD   | pg/g  | ND (0.70) U | ND (0.53) U | ND (0.37) U | ND (0.50) U | ND (0.54) U | 8.9       | ND (0.74) U | ND (1.3) U  |
| 1,2,3,7,8,9-HxCDF   | pg/g  | ND (0.69) U | ND (0.55) U | ND (0.35) U | ND (0.45) U | ND (0.45) U | 20        | ND (1.0) U  | ND (1.3) U  |
| 1,2,3,7,8-PeCDD     | pg/g  | ND (0.80) U | ND (0.49) U | ND (0.46) U | ND (0.95) U | ND (0.78) U | 6.4       | ND (0.46) U | ND (1.0) U  |
| 1,2,3,7,8-PeCDF     | pg/g  | ND (0.49) U | ND (0.36) U | ND (0.95) U | ND (0.45) U | ND (0.36) U | 85        | 2.9 J       | ND (1.0) U  |
| 2,3,4,6,7,8-HxCDF   | pg/g  | ND (0.63) U | ND (0.51) U | ND (0.38) U | ND (0.40) U | ND (0.40) U | 28        | ND (1.5) U  | ND (1.5) U  |
| 2,3,4,7,8-PeCDF     | pg/g  | ND (0.48) U | ND (0.36) U | ND (0.52) U | ND (0.44) U | ND (0.35) U | 45        | ND (1.6) U  | ND (1.1) U  |
| 2,3,7,8-TCDD        | pg/g  | ND (0.48) U | ND (0.26) U | ND (0.28) U | ND (0.39) U | ND (0.35) U | 2.1       | ND (0.42) U | ND (0.57) U |
| 2,3,7,8-TCDF        | pg/g  | ND (0.32) U | ND (0.22) U | 0.77 CON J  | ND (0.26) U | ND (0.24) U | 51 CON    | 2.2 CON     | ND (0.55) U |
| OCDD                | pg/g  | ND (2.3) U  | ND (2.1) U  | ND (2.7) U  | ND (1.0) U  | ND (1.3) U  | 200       | 14          | 16          |
| OCDF                | pg/g  | ND (2.2) U  | ND (2.3) U  | 18          | ND (1.3) U  | ND (1.6) U  | 4000      | 68          | 33          |

**TABLE D-9.5**  
**Summary of Soil Analytical Data**  
**Dioxins/Furans**

| Parameter           | Units | P-5(0-1')   | P-5(10-12') | P-5(16-18') | P-6(0-1')   | P-6(10-12') | P-6(18-21') | P-7(0-1')   |
|---------------------|-------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 1,2,3,4,6,7,8-HpCDD | pg/g  | ND (0.42) U | ND (0.27) U | ND (0.80) U | 9.4         | ND (0.45) U | ND (0.66) U | ND (0.55) U |
| 1,2,3,4,6,7,8-HpCDF | pg/g  | ND (0.36) U | ND (0.20) U | ND (0.62) U | 26          | ND (0.34) U | ND (0.40) U | ND (0.44) U |
| 1,2,3,4,7,8,9-HpCDF | pg/g  | ND (0.19) U | ND (0.20) U | ND (0.54) U | 6.9         | ND (0.41) U | ND (0.47) U | ND (0.22) U |
| 1,2,3,4,7,8-HxCDD   | pg/g  | ND (0.27) U | ND (0.25) U | ND (0.54) U | ND (0.39) U | ND (0.46) U | ND (0.56) U | ND (0.33) U |
| 1,2,3,4,7,8-HxCDF   | pg/g  | ND (0.15) U | ND (0.15) U | ND (0.33) U | 11          | ND (0.38) U | ND (0.51) U | ND (0.23) U |
| 1,2,3,6,7,8-HxCDD   | pg/g  | ND (0.26) U | ND (0.25) U | ND (0.53) U | ND (1.3) U  | ND (0.48) U | ND (0.59) U | ND (0.32) U |
| 1,2,3,6,7,8-HxCDF   | pg/g  | ND (0.14) U | ND (0.14) U | ND (0.29) U | 6           | ND (0.37) U | ND (0.49) U | ND (0.16) U |
| 1,2,3,7,8,9-HxCDD   | pg/g  | ND (0.25) U | ND (0.24) U | ND (0.51) U | ND (1.1) U  | ND (0.44) U | ND (0.79) U | ND (0.34) U |
| 1,2,3,7,8,9-HxCDF   | pg/g  | ND (0.17) U | ND (0.17) U | ND (0.37) U | ND (0.89) U | ND (0.46) U | ND (0.60) U | ND (0.21) U |
| 1,2,3,7,8-PeCDD     | pg/g  | ND (0.39) U | ND (0.45) U | ND (0.81) U | ND (0.39) U | ND (0.54) U | ND (0.69) U | ND (0.46) U |
| 1,2,3,7,8-PeCDF     | pg/g  | ND (0.25) U | ND (0.23) U | ND (0.50) U | 4.7 J       | ND (0.30) U | ND (0.49) U | ND (0.29) U |
| 2,3,4,6,7,8-HxCDF   | pg/g  | ND (0.16) U | ND (0.16) U | ND (0.33) U | ND (2.6) U  | ND (0.41) U | ND (0.54) U | ND (0.19) U |
| 2,3,4,7,8-PeCDF     | pg/g  | ND (0.23) U | ND (0.22) U | ND (0.48) U | ND (2.6) U  | ND (0.29) U | ND (0.48) U | ND (0.28) U |
| 2,3,7,8-TCDD        | pg/g  | ND (0.22) U | ND (0.22) U | ND (0.47) U | ND (0.29) U | ND (0.25) U | ND (0.42) U | ND (0.28) U |
| 2,3,7,8-TCDF        | pg/g  | ND (0.15) U | ND (0.16) U | ND (0.32) U | 3.9 CON     | ND (0.18) U | ND (0.35) U | ND (0.22) U |
| OCDD                | pg/g  | ND (2.1) U  | ND (1.7) U  | ND (3.4) U  | 53          | ND (0.72) U | ND (0.96) U | ND (2.4) U  |
| OCDF                | pg/g  | ND (1.2) U  | ND (0.65) U | ND (3.1) U  | 97          | ND (0.99) U | ND (1.1) U  | ND (1.0) U  |

**TABLE D-9.5**  
**Summary of Soil Analytical Data**  
**Dioxins/Furans**

| Parameter           | Units | P-7(10-12') | P-7(18-20') | P-7(19-21') | P-7(2-3') | P-8(0-1')   | P-8(10-12') | P-8(16-18') | P-9(0-1')   |
|---------------------|-------|-------------|-------------|-------------|-----------|-------------|-------------|-------------|-------------|
| 1,2,3,4,6,7,8-HpCDD | pg/g  | 8           | ND (0.33) U | ND (1.3) U  |           | ND (0.96) U | ND (0.42) U | ND (0.54) U | ND (0.69) U |
| 1,2,3,4,6,7,8-HpCDF | pg/g  | 65          | ND (0.55) U | ND (1.1) U  |           | ND (0.95) U | ND (0.37) U | ND (0.45) U | ND (0.35) U |
| 1,2,3,4,7,8,9-HpCDF | pg/g  | 17          | ND (0.29) U | ND (0.30) U |           | ND (0.67) U | ND (0.24) U | ND (0.40) U | ND (0.23) U |
| 1,2,3,4,7,8-HxCDD   | pg/g  | ND (0.86) U | ND (0.30) U | ND (0.25) U |           | ND (0.91) U | ND (0.33) U | ND (0.41) U | ND (0.23) U |
| 1,2,3,4,7,8-HxCDF   | pg/g  | 32          | ND (0.26) U | ND (0.62) U |           | ND (0.50) U | ND (0.15) U | ND (0.25) U | ND (0.29) U |
| 1,2,3,6,7,8-HxCDD   | pg/g  | ND (2.1) U  | ND (0.32) U | ND (0.49) U |           | ND (0.90) U | ND (0.33) U | ND (0.41) U | ND (0.23) U |
| 1,2,3,6,7,8-HxCDF   | pg/g  | 18          | ND (0.20) U | ND (0.35) U |           | ND (0.44) U | ND (0.14) U | ND (0.23) U | ND (0.15) U |
| 1,2,3,7,8,9-HxCDD   | pg/g  | ND (1.7) U  | ND (0.29) U | ND (0.45) U |           | ND (0.85) U | ND (0.31) U | ND (0.39) U | ND (0.30) U |
| 1,2,3,7,8,9-HxCDF   | pg/g  | ND (2.3) U  | ND (0.25) U | ND (0.42) U |           | ND (0.56) U | ND (0.17) U | ND (0.29) U | ND (0.19) U |
| 1,2,3,7,8-PeCDD     | pg/g  | ND (0.95) U | ND (0.46) U | ND (0.56) U |           | ND (1.3) U  | ND (0.45) U | ND (0.54) U | ND (0.43) U |
| 1,2,3,7,8-PeCDF     | pg/g  | 13          | ND (0.26) U | ND (0.34) U |           | ND (0.80) U | ND (0.28) U | ND (0.34) U | ND (0.29) U |
| 2,3,4,6,7,8-HxCDF   | pg/g  | 5.0 J       | ND (0.22) U | ND (0.41) U |           | ND (0.51) U | ND (0.15) U | ND (0.25) U | ND (0.17) U |
| 2,3,4,7,8-PeCDF     | pg/g  | 7.2         | ND (0.26) U | ND (0.34) U |           | ND (0.77) U | ND (0.27) U | ND (0.33) U | ND (0.27) U |
| 2,3,7,8-TCDD        | pg/g  | ND (0.38) U | ND (0.26) U | ND (0.36) U |           | ND (0.72) U | ND (0.33) U | ND (0.29) U | ND (0.26) U |
| 2,3,7,8-TCDF        | pg/g  | 7.4 CON     | ND (0.20) U | ND (0.40) U |           | ND (0.55) U | ND (0.19) U | ND (0.18) U | ND (0.35) U |
| OCDD                | pg/g  | 18          | ND (0.90) U | 7.0 J       |           | ND (4.0) U  | ND (1.8) U  | ND (3.4) U  | ND (2.7) U  |
| OCDF                | pg/g  | 190         | ND (1.4) U  | 8.7 J       |           | ND (1.5) U  | ND (0.75) U | ND (1.5) U  | ND (1.8) U  |

**TABLE D-9.5**  
**Summary of Soil Analytical Data**  
**Dioxins/Furans**

| Parameter           | Units | P-9(6-8')   | S-1(0-1')   | S-1(10-12') | S-1(16-17') | S-2(0-1')   | S-2(10-12') | S-2(18-20') |
|---------------------|-------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 1,2,3,4,6,7,8-HpCDD | pg/g  | ND (0.40) U | 17          | ND (0.51) U | ND (0.67) U | ND (2.3) U  | ND (0.81) U | ND (0.78) U |
| 1,2,3,4,6,7,8-HpCDF | pg/g  | ND (0.60) U | 34          | ND (0.79) U | ND (0.37) U | ND (2.0) U  | ND (0.85) U | ND (0.48) U |
| 1,2,3,4,7,8,9-HpCDF | pg/g  | ND (0.23) U | 10          | ND (0.33) U | ND (0.38) U | ND (0.77) U | ND (0.34) U | ND (0.32) U |
| 1,2,3,4,7,8-HxCDD   | pg/g  | ND (0.28) U | ND (0.58) U | ND (0.50) U | ND (0.58) U | ND (0.26) U | ND (0.16) U | ND (0.19) U |
| 1,2,3,4,7,8-HxCDF   | pg/g  | ND (0.39) U | 16          | ND (0.38) U | ND (0.44) U | ND (0.69) U | ND (0.45) U | ND (0.42) U |
| 1,2,3,6,7,8-HxCDD   | pg/g  | ND (0.28) U | ND (1.6) U  | ND (0.53) U | ND (0.61) U | ND (0.30) U | ND (0.24) U | ND (0.22) U |
| 1,2,3,6,7,8-HxCDF   | pg/g  | ND (0.17) U | 9.6         | ND (0.36) U | ND (0.42) U | ND (0.40) U | ND (0.27) U | ND (0.15) U |
| 1,2,3,7,8,9-HxCDD   | pg/g  | ND (0.27) U | ND (1.3) U  | ND (0.49) U | ND (0.55) U | ND (0.36) U | ND (0.27) U | ND (0.27) U |
| 1,2,3,7,8,9-HxCDF   | pg/g  | ND (0.20) U | ND (1.4) U  | ND (0.45) U | ND (0.52) U | ND (0.35) U | ND (0.17) U | ND (0.18) U |
| 1,2,3,7,8-PeCDD     | pg/g  | ND (0.50) U | ND (0.60) U | ND (0.81) U | ND (0.90) U | ND (0.39) U | ND (0.29) U | ND (0.35) U |
| 1,2,3,7,8-PeCDF     | pg/g  | ND (0.25) U | 8.2         | ND (0.44) U | ND (0.47) U | ND (0.30) U | ND (0.27) U | ND (0.22) U |
| 2,3,4,6,7,8-HxCDF   | pg/g  | ND (0.19) U | ND (2.5) U  | ND (0.41) U | ND (0.47) U | ND (0.35) U | ND (0.21) U | ND (0.15) U |
| 2,3,4,7,8-PeCDF     | pg/g  | ND (0.24) U | 4.0 J       | ND (0.43) U | ND (0.47) U | ND (0.29) U | ND (0.21) U | ND (0.22) U |
| 2,3,7,8-TCDD        | pg/g  | ND (0.33) U | ND (0.37) U | ND (0.40) U | ND (0.38) U | ND (0.26) U | ND (0.19) U | ND (0.24) U |
| 2,3,7,8-TCDF        | pg/g  | ND (0.44) U | 6.1 CON     | ND (0.27) U | ND (0.26) U | ND (0.44) U | ND (0.30) U | ND (0.30) U |
| OCDD                | pg/g  | ND (2.4) U  | 100         | ND (3.2) U  | ND (1.8) U  | 30          | 5.5 J       | ND (5.4) U  |
| OCDF                | pg/g  | ND (2.1) U  | 180         | ND (4.5) U  | ND (1.5) U  | 10 J        | ND (2.7) U  | ND (2.0) U  |

**TABLE D-9.6**  
**Summary of Soil Analytical Data**  
**Other**

| Parameter     | Units | A-1(0-1')   | A-1(10-12') | A-1(16-18') | A-2(0-1')   | A-2(10-12') | A-2(19-21') | B-1(0-1')   | B-1(10-12') |
|---------------|-------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Perchlorate   | µg/kg | 550 Q       | 959 Q       | 4890 Q      | 17200 Q     | 3750 Q      | 3100 Q      | 5810 Q      | 4040 Q      |
| Total Cyanide | µg/kg | ND (0.14) U | ND (0.14) U | ND (0.21) U | ND (0.13) U | ND (0.13) U | ND (0.14) U | ND (0.13) U | ND (0.14) U |

**TABLE D-9.6**  
**Summary of Soil Analytical Data**  
**Other**

| Parameter     | Units | B-1(19-21') | B-2(0-1')   | B-2(4-5')   | B-3(0-1')   | B-3(4-5')   | DUP 1       | DUP 2       |
|---------------|-------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Perchlorate   | µg/kg | 3190 Q      | 1280 Q      | 1520 Q      | 24100 Q     | 2920 Q      | 6280 Q      | 2770 Q      |
| Total Cyanide | µg/kg | ND (0.17) U | ND (0.14) U | ND (0.13) U | ND (0.13) U | ND (0.14) U | ND (0.17) U | ND (0.14) U |

**TABLE D-9.6**  
**Summary of Soil Analytical Data**  
**Other**

| Parameter     | Units | DUP 3       | E-1(0-1')   | E-1(4-5')   | E-2(0-1')   | E-2(4-5')   | E-2(6-8')   | P-1(0-1')   | P-1(10-12') |
|---------------|-------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Perchlorate   | µg/kg | 797 Q       | 1910 Q      | 2300 Q      | ND (20.8) U | 61.2        | 222         | 34.5 J      | 1300 Q      |
| Total Cyanide | µg/kg | ND (0.13) U | ND (0.13) U | ND (0.13) U | ND (0.13) U | ND (0.13) U | ND (0.15) U | ND (0.13) U | ND (0.13) U |

**TABLE D-9.6**  
**Summary of Soil Analytical Data**  
**Other**

| Parameter     | Units | P-1(18-20') | P-10(0-1')  | P-10(10-11') | P-10(12-12 5') | P-10(16 5-17 5') | P-11(0-1')  | P-11(15-17') |
|---------------|-------|-------------|-------------|--------------|----------------|------------------|-------------|--------------|
| Perchlorate   | µg/kg | 893 Q       | 11300 Q     | 993 Q        |                | 981 Q            | 453 Q       | 1710 Q       |
| Total Cyanide | µg/kg | ND (0.14) U | ND (0.13) U | ND (0.14) U  |                | ND (0.14) U      | ND (0.13) U | ND (0.14) U  |



**TABLE D-9.6**  
**Summary of Soil Analytical Data**  
**Other**

| Parameter     | Units | P-11(4-5')  | P-12(0-1')  | P-12(15-17') | P-12(4-5')  | P-13(0-1')  | P-13(4-5')  | P-14(0-1')   | P-14(4-5')  |
|---------------|-------|-------------|-------------|--------------|-------------|-------------|-------------|--------------|-------------|
| Perchlorate   | µg/kg | 2680 Q      | 1770 Q      | 819 Q        | 1360 Q      | 45.8 J      | 717 Q       | ND (2.1.1) U | 3500 Q      |
| Total Cyanide | µg/kg | ND (0.13) U | ND (0.13) U | ND (0.14) U  | ND (0.13) U | ND (0.14) U | ND (0.13) U | ND (0.13) U  | ND (0.14) U |

**TABLE D-9.6**  
**Summary of Soil Analytical Data**  
**Other**

| Parameter     | Units | P-15(0-1')  | P-15(4-5')  | P-16(0-1')  | P-16(4-5')  | P-17(0-1')  | P-17(4-5')  | P-17(6-8')  | P-2(0-1')   |
|---------------|-------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Perchlorate   | µg/kg | 5810 Q      | 5050 Q      | 59900 Q     | 5870 Q      | 3100 Q      | 3080 Q      | 1920 Q      | 154         |
| Total Cyanide | µg/kg | ND (0.14) U | ND (0.14) U | ND (0.14) U | ND (0.14) U | ND (0.13) U | ND (0.14) U | ND (0.14) U | ND (0.13) U |

**TABLE D-9.6**  
**Summary of Soil Analytical Data**  
**Other**

| Parameter     | Units | P-2(10-12') | P-2(16-18') | P-3(0-1')   | P-3(10-12') | P-3(18-20') | P-4(0-1')   | P-4(10-12') | P-4(20-22') |
|---------------|-------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Perchlorate   | µg/kg | 2,500 Q     | 1,210 Q     | 288         | 2,680 Q     | 876 Q       | 293         | 4,040 Q     | 1,910 Q     |
| Total Cyanide | µg/kg | ND (0.14) U | ND (0.14) U | ND (0.13) U | ND (0.13) U | ND (0.14) U | ND (0.13) U | ND (0.13) U | ND (0.14) U |

**TABLE D-9.6**  
**Summary of Soil Analytical Data**  
**Other**

| Parameter     | Units | P-5(0-1')   | P-5(10-12') | P-5(16-18') | P-6(0-1')   | P-6(10-12') | P-6(18-21') | P-7(0-1')   |
|---------------|-------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Perchlorate   | µg/kg | 5520 Q      | 1450 Q      | 1130 Q      | 25800 Q     | 1200 Q      | 1180 Q      | 19400 Q     |
| Total Cyanide | µg/kg | ND (0.13) U | ND (0.14) U | ND (0.14) U | ND (0.13) U | ND (0.13) U | ND (0.14) U | ND (0.14) U |

**TABLE D-9.6**  
**Summary of Soil Analytical Data**  
**Other**

| Parameter     | Units | P-7(10-12') | P-7(18-20') | P-7(19-21') | P-7(2-3') | P-8(0-1')   | P-8(10-12') | P-8(16-18') | P-9(0-1')   |
|---------------|-------|-------------|-------------|-------------|-----------|-------------|-------------|-------------|-------------|
| Perchlorate   | µg/kg | 7360 Q      | 2270 Q      | 2450 Q      |           | 19800 Q     | 2820 Q      | 1770 Q      | 9290 Q      |
| Total Cyanide | µg/kg | ND (0.15) U | ND (0.18) U | ND (0.15) U |           | ND (0.14) U | ND (0.13) U | ND (0.14) U | ND (0.13) U |

**TABLE D-9.6**  
**Summary of Soil Analytical Data**  
**Other**

| Parameter     | Units | P-9(6-8')   | S-1(0-1')   | S-1(10-12') | S-1(16-17') | S-2(0-1')   | S-2(10-12') | S-2(18-20') |
|---------------|-------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Perchlorate   | µg/kg | 11500 Q     | 274         | 361         | 266         | 1730 Q      | 1390 Q      | 1810 Q      |
| Total Cyanide | µg/kg | ND (0.14) U | ND (0.13) U | ND (0.13) U | ND (0.14) U | ND (0.13) U | ND (0.14) U | ND (0.16) U |

**TABLE D-9.7**  
**Summary of Soil Analytical Data**  
**Metals**

| Parameter             | Units | A-1(0-1')    | A-1(10-12')   | A-1(16-18')  | A-2(0-1')    | A-2(10-12')  | A-2(19-21')   | B-1(0-1')     | B-1(10-12')   |
|-----------------------|-------|--------------|---------------|--------------|--------------|--------------|---------------|---------------|---------------|
| Aluminum              | mg/kg | 10900 J      | 12000 J       | 15300 J      | 15600        | 12400        | 8820          | 10400         | 12200         |
| Antimony              | mg/kg | ND (0.17) U  | ND (0.17) U   | ND (0.26) U  | ND (0.16) U  | ND (0.16) U  | ND (0.17) U   | 1.3           | ND (0.17) U   |
| Arsenic               | mg/kg | 4.1          | 4.4           | 23.5         | 2.2          | 5.2          | 8.3           | 35.9          | 3.5           |
| Barium                | mg/kg | 256          | 132           | 178          | 200          | 218          | 137           | 1100          | 140           |
| Beryllium             | mg/kg | 0.53 J       | 0.39 J        | 0.75 J       | 0.56         | 0.71         | 0.55          | 0.66          | 0.66          |
| Cadmium               | mg/kg | 0.21 J       | 0.12 J        | 0.43 J       | 0.20 J       | 0.095 J      | 0.069 J       | 0.33 J        | 0.10 J        |
| Chromium (hexavalent) | mg/kg | ND (0.059) U | ND (0.058) U  | ND (0.089) U | ND (0.057) U | ND (0.057) U | ND (0.058) U  | ND (0.057) U  | ND (0.059) U  |
| Chromium (total)      | mg/kg | 18.9         | 6.5           | 27.9         | 6.8          | 10.1         | 16.6          | 36.3          | 6.4           |
| Cobalt                | mg/kg | 7.6 J        | 6.7 J         | 6.7 B J      | 7.5          | 8            | 4.1 J         | 9.8           | 8.6           |
| Copper                | mg/kg | 22.6         | 13.4          | 14.3         | 16.2         | 12.2         | 9.7           | 32.4          | 15.8          |
| Iron                  | mg/kg | 15800 J      | 18100 J       | 15900 J      | 16500        | 17100        | 13800         | 18700         | 20200         |
| Lead                  | mg/kg | 21.3         | 7.8           | 8.2          | 10.2         | 9.2          | 6.9           | 379           | 8             |
| Magnesium             | mg/kg | 12700        | 9860          | 79500        | 9700         | 12100        | 13100         | 9410          | 11300         |
| Manganese             | mg/kg | 602 J        | 473 J         | 380 J        | 474 J        | 376 J        | 164 J         | 2030 J        | 423 J         |
| Mercury               | mg/kg | 0.012 J      | ND (0.0075) U | ND (0.011) U | 0.031 J      | 0.030 J      | ND (0.0076) U | ND (0.0074) U | ND (0.0077) U |
| Molybdenum            | mg/kg | 1.3 J        | 1.0 J         | 2.5 J        | 0.80 J       | 0.31 J       | 1.1 J         | 7.2           | 0.56 J        |
| Nickel                | mg/kg | 15           | 11.9          | 18.1         | 12.4         | 13.3         | 8.5           | 17.1          | 15.9          |
| Selenium              | mg/kg | 0.95         | 0.18 J        | 0.39 J       | 0.33 J       | 0.23 J       | 0.32 J        | 0.34 J        | 0.45 J        |
| Silver                | mg/kg | 0.19 J       | 0.084 J       | 0.20 J       | 0.14 J       | 0.13 J       | 0.12 J        | 0.67 J        | 0.14 J        |
| Thallium              | mg/kg | 0.11 J       | 0.050 J       | 0.32 J       | 0.084 J      | 0.099 J      | 0.096 J       | 1.1 J         | 0.068 J       |
| Thorium               | mg/kg | 5.5 J        | 5.7 J         | 5.9 J        | 6.8 J        | 8.4 J        | 7.6 J         | 5.8 J         | 10.2 J        |
| Titanium              | mg/kg | 605          | 518           | 459          | 517          | 517          | 342           | 1500          | 548           |
| Vanadium              | mg/kg | 28           | 26.5          | 57.4         | 24.2         | 34.6         | 23.8          | 57.5          | 33.8          |
| Zinc                  | mg/kg | 44.3 J       | 43.9 J        | 48.3 J       | 43.8         | 37.7         | 34.6          | 108           | 48.4          |

**TABLE D-9.7**  
**Summary of Soil Analytical Data**  
**Metals**

| Parameter             | Units | B-1(19-21')   | B-2(0-1')    | B-2(4-5')    | B-3(0-1')     | B-3(4-5')     | DUP 1        | DUP 2        |
|-----------------------|-------|---------------|--------------|--------------|---------------|---------------|--------------|--------------|
| Aluminum              | mg/kg | 7340          | 14700 J      | 9300 J       | 11200 J       | 9570 J        | 15600 J      | 12300 J      |
| Antimony              | mg/kg | ND (0.21) U   | ND (0.18) U  | ND (0.17) U  | ND (0.16) U   | ND (0.18) U   | ND (0.21) U  | ND (0.17) U  |
| Arsenic               | mg/kg | 9.8           | 13.8         | 3.2          | 4.2           | 13            | 4.7          | 8.7          |
| Barium                | mg/kg | 43.8          | 352          | 312          | 182           | 146           | 444          | 182          |
| Beryllium             | mg/kg | 0.52 J        | 0.71         | 0.54         | 0.53          | 0.38 J        | 0.8          | 0.57         |
| Cadmium               | mg/kg | 0.12 J        | 0.29 J       | 0.088 J      | 0.14 J        | 0.11 J        | 0.12 J       | 0.10 J       |
| Chromium (hexavalent) | mg/kg | ND (0.072) U  | ND (0.061) U | ND (0.057) U | ND (0.056) U  | ND (0.061) U  | ND (0.072) U | ND (0.058) U |
| Chromium (total)      | mg/kg | 9             | 30.3         | 7.7          | 10.2          | 7.4           | 10           | 8.6          |
| Cobalt                | mg/kg | 4.3 J         | 7.7 J        | 7.3 J        | 7.0 J         | 6.1 J         | 8.6 J        | 8.9 J        |
| Copper                | mg/kg | 11.4          | 43.1         | 13.4         | 13.8          | 10.9          | 15.2         | 14.6         |
| Iron                  | mg/kg | 7180          | 21300        | 17400        | 16500 J       | 13500 J       | 24200        | 19100 J      |
| Lead                  | mg/kg | 4.8           | 35.7 J       | 7.9 J        | 12.8          | 8             | 9.6 J        | 9.6          |
| Magnesium             | mg/kg | 20600         | 12800        | 9740         | 14000         | 12700         | 13000        | 14500        |
| Manganese             | mg/kg | 505 J         | 649 J        | 416 J        | 415 J         | 356 J         | 535 J        | 806 J        |
| Mercury               | mg/kg | ND (0.0093) U | 0.019 J      | 0.0091 J     | ND (0.0073) U | ND (0.0079) U | 0.017 J      | 0.012 J      |
| Molybdenum            | mg/kg | 2.6 J         | 2.3 J        | 0.92 J       | 1.7 J         | 1.3 J         | 0.84 J       | 0.77 J       |
| Nickel                | mg/kg | 14.4          | 15.4         | 12.2         | 13.4          | 12.4          | 14.5         | 15.7         |
| Selenium              | mg/kg | 0.38 J        | 0.51 J       | 0.25 J       | 0.48 J        | 0.23 J        | 0.32 J       | 0.39 J       |
| Silver                | mg/kg | 0.12 J        | 0.30 B J     | 0.090 B J    | 0.13 J        | 0.11 J        | 0.11 B J     | 0.12 J       |
| Thallium              | mg/kg | 0.31 J        | 0.17 B J     | 0.080 B J    | 0.083 J       | 0.057 J       | 0.089 B J    | 0.065 J      |
| Thorium               | mg/kg | 3.8 J         | 5.4 J        | 5.3 J        | 6.1 J         | 5.0 J         | 7.3 J        | 6.4 J        |
| Titanium              | mg/kg | 233           | 646          | 492          | 527           | 503           | 600          | 542          |
| Vanadium              | mg/kg | 22.2          | 32.3         | 22.7         | 26.3          | 26.6          | 36.8         | 31.4         |
| Zinc                  | mg/kg | 25.4          | 70.2 J       | 38.2 J       | 57.1 J        | 33.0 J        | 57.0 J       | 41.6 J       |



**TABLE D-9.7**  
**Summary of Soil Analytical Data**  
**Metals**

| Parameter             | Units | DUP 3        | E-1(0-1')    | E-1(4-5')    | E-2(0-1')    | E-2(4-5')    | E-2(6-8')    | P-1(0-1')     | P-1(10-12')   |
|-----------------------|-------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|---------------|
| Aluminum              | mg/kg | 12700 J      | 12700 J      | 12800 J      | 9740 J       | 10900 J      | 12500 J      | 13100         | 12500         |
| Antimony              | mg/kg | ND (0.16) U  | ND (0.17) U  | ND (0.17) U  | ND (0.16) U  | ND (0.16) U  | ND (0.18) U  | ND (0.16) U   | ND (0.17) U   |
| Arsenic               | mg/kg | 1.9          | 4.5          | 3            | 1.3          | 2            | 4.1          | 3.5           | 6.2           |
| Barium                | mg/kg | 299          | 292          | 284          | 255          | 195          | 265          | 246           | 404           |
| Beryllium             | mg/kg | 0.52         | 0.59         | 0.50 J       | 0.47 J       | 0.42 J       | 0.58         | 0.69          | 0.67          |
| Cadmium               | mg/kg | 0.13 J       | 0.12 J       | 0.14 J       | 0.11 J       | 0.10 J       | 0.11 J       | 0.099 J       | 0.087 J       |
| Chromium (hexavalent) | mg/kg | ND (0.057) U | ND (0.057) U | ND (0.057) U | ND (0.056) U | ND (0.056) U | ND (0.063) U | ND (0.056) U  | ND (0.058) U  |
| Chromium (total)      | mg/kg | 8            | 10.7         | 8.5          | 4.2          | 4.9          | 7.4          | 8.6           | 9.1           |
| Cobalt                | mg/kg | 9.8 J        | 7.7 J        | 9.3 J        | 9.2 J        | 8.3 J        | 7.1          | 7.9           | 7.6           |
| Copper                | mg/kg | 14.9         | 13.7         | 13.8         | 12.2         | 13           | 13           | 12.6          | 11.9          |
| Iron                  | mg/kg | 21900 J      | 17900        | 18800 J      | 18100        | 19300        | 20900        | 18400         | 18000         |
| Lead                  | mg/kg | 11.7         | 10.7 J       | 9.2          | 8.3 J        | 7.7 J        | 10.1         | 9.6           | 10.8          |
| Magnesium             | mg/kg | 10900        | 11400        | 11800        | 10400        | 9640         | 11300        | 10000         | 10300         |
| Manganese             | mg/kg | 630 J        | 502 J        | 545 J        | 596 J        | 600 J        | 374 J        | 431 J         | 361 J         |
| Mercury               | mg/kg | 0.012 J      | 0.058        | 0.059        | 0.035        | 0.05         | 0.012 J      | ND (0.0072) U | ND (0.0075) U |
| Molybdenum            | mg/kg | 0.43 J       | 0.23 J       | 0.24 J       | 0.12 J       | 0.30 J       | 0.55 J       | 0.46 J        | 0.61 J        |
| Nickel                | mg/kg | 14.1         | 13.5         | 13.8         | 12.1         | 12.2         | 13           | 12.6          | 12.8          |
| Selenium              | mg/kg | 0.34 J       | 0.28 J       | 0.24 J       | 0.34 J       | 0.29 J       | 0.22 J       | 0.19 J        | 0.13 J        |
| Silver                | mg/kg | 0.14 J       | 0.16 B J     | 0.12 J       | 0.072 B J    | 0.073 B J    | 0.15 J       | 0.15 J        | 0.11 J        |
| Thallium              | mg/kg | 0.091 J      | 0.10 B J     | 0.095 J      | 0.039 B J    | 0.031 B J    | 0.060 J      | 0.10 J        | 0.069 J       |
| Thorium               | mg/kg | 7.2 J        | 7.4 J        | 7.2 J        | 5.8 J        | 5.4 J        | 7.7 J        | 8.4 J         | 8.6 J         |
| Titanium              | mg/kg | 723          | 513          | 570          | 518          | 477          | 506          | 548           | 456           |
| Vanadium              | mg/kg | 27.4         | 26.7         | 27.8         | 20.1         | 23.7         | 24.9         | 34.9          | 34.8          |
| Zinc                  | mg/kg | 47.2 J       | 45.6 J       | 48.4 J       | 43.4 J       | 47.1 J       | 46.3         | 42.2          | 41.3          |

**TABLE D-9.7**  
**Summary of Soil Analytical Data**  
**Metals**

| Parameter             | Units | P-1(18-20')  | P-10(0-1')   | P-10(10-11') | P-10(12-12_5') | P-10(16_5-17_5') | P-11(0-1')   | P-11(15-17')  |
|-----------------------|-------|--------------|--------------|--------------|----------------|------------------|--------------|---------------|
| Aluminum              | mg/kg | 10500        | 5260         | 10200        |                | 10100            | 8520 J       | 8120 J        |
| Antimony              | mg/kg | ND (0.17) U  | ND (0.16) U  | ND (0.17) U  |                | ND (0.17) U      | ND (0.16) U  | ND (0.17) U   |
| Arsenic               | mg/kg | 5.1          | 3.4          | 3.3          |                | 3.4              | 3.5          | 8.8           |
| Barium                | mg/kg | 169          | 299          | 261          |                | 160              | 203          | 103           |
| Beryllium             | mg/kg | 0.41 J       | 0.27 J       | 0.52 J       |                | 0.54 J           | 0.30 J       | 0.42 J        |
| Cadmium               | mg/kg | 0.094 J      | 0.082 J      | 0.10 J       |                | 0.12 J           | 0.056 J      | 0.082 J       |
| Chromium (hexavalent) | mg/kg | ND (0.059) U | ND (0.057) U | ND (0.058) U |                | ND (0.059) U     | ND (0.055) U | ND (0.060) U  |
| Chromium (total)      | mg/kg | 5.5          | 6.3          | 8            |                | 6                | 10.9         | 13            |
| Cobalt                | mg/kg | 4.9 J        | 2.6 B J      | 6.9 J        |                | 6.9 J            | 3.1 B J      | 4.7 J         |
| Copper                | mg/kg | 8.5          | 9.9          | 11.6         |                | 12               | 12.2         | 11            |
| Iron                  | mg/kg | 16100        | 13400        | 15800        |                | 14300            | 23500        | 14300         |
| Lead                  | mg/kg | 6.5          | 33.4         | 8.7          |                | 7                | 35.6 J       | 7.7           |
| Magnesium             | mg/kg | 10500        | 4310         | 9910         |                | 10500            | 4420         | 8370          |
| Manganese             | mg/kg | 309 J        | 136 J        | 543 J        |                | 353 J            | 136 J        | 199 J         |
| Mercury               | mg/kg | 0.055        | 0.026 J      | 0.010 J      |                | 0.0077 J         | 0.026 J      | ND (0.0078) U |
| Molybdenum            | mg/kg | 1.0 J        | 2.1 J        | 0.84 J       |                | 0.89 J           | 2.7 J        | 1.1 J         |
| Nickel                | mg/kg | 8.9          | 5.4 J        | 11.3 J       |                | 11.1 J           | 5.8          | 11.7          |
| Selenium              | mg/kg | 0.36 J       | 0.25 J       | 0.16 J       |                | 0.27 J           | 0.16 J       | 0.22 J        |
| Silver                | mg/kg | 0.091 J      | 0.22 J       | 0.10 J       |                | 0.091 J          | 0.079 B J    | 0.10 J        |
| Thallium              | mg/kg | 0.043 J      | 0.089 J      | 0.072 J      |                | 0.047 J          | 0.11 B J     | 0.066 J       |
| Thorium               | mg/kg | 7.4 J        | 4.4 J        | 5.7 J        |                | 7.3 J            | 8.9 J        | 6.1 J         |
| Titanium              | mg/kg | 335          | 796          | 523          |                | 557              | 492          | 383           |
| Vanadium              | mg/kg | 25.3         | 18.4 J       | 25.0 J       |                | 21.7 J           | 18.7         | 25.5          |
| Zinc                  | mg/kg | 38.3         | 30.2         | 40           |                | 36               | 36.7 J       | 29.6          |

**TABLE D-9.7**  
**Summary of Soil Analytical Data**  
**Metals**

| Parameter             | Units | P-11(4-5)     | P-12(0-1')   | P-12(15-17') | P-12(4-5')   | P-13(0-1')   | P-13(4-5')   | P-14(0-1')   | P-14(4-5')   |
|-----------------------|-------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Aluminum              | mg/kg | 17000 J       | 19000 J      | 11900 J      | 8650 J       | 8930 J       | 11400 J      | 13300 J      | 12500 J      |
| Antimony              | mg/kg | ND (0.16) U   | ND (0.17) U  | ND (0.17) U  | ND (0.16) U  | ND (0.17) U  | ND (0.17) U  | ND (0.17) U  | ND (0.18) U  |
| Arsenic               | mg/kg | 3.3           | 2.3          | 3.1          | 3.4          | 3.5          | 5.9          | 3.1          | 3.7          |
| Barium                | mg/kg | 256           | 256          | 324          | 262          | 275          | 225          | 312          | 200          |
| Beryllium             | mg/kg | 0.93          | 0.87         | 0.53 J       | 0.32 J       | 0.48 J       | 0.48 J       | 0.55         | 0.55 J       |
| Cadmium               | mg/kg | 0.11 J        | 0.094 J      | 0.11 J       | 0.060 J      | 0.083 J      | 0.073 J      | 0.10 J       | 0.099 J      |
| Chromium (hexavalent) | mg/kg | ND (0.056) U  | ND (0.058) U | ND (0.059) U | ND (0.055) U | ND (0.059) U | ND (0.058) U | ND (0.057) U | ND (0.060) U |
| Chromium (total)      | mg/kg | 12.1          | 13.2         | 12.2         | 10.6         | 8            | 7.7          | 8.4          | 8.2          |
| Cobalt                | mg/kg | 8.0 J         | 10.0 J       | 8.4          | 3.1 B J      | 7.2 J        | 6.2 J        | 8.7 J        | 7.9 J        |
| Copper                | mg/kg | 22.8          | 19           | 13.3         | 14.2         | 11.5         | 11.4         | 14.1         | 15.3         |
| Iron                  | mg/kg | 21100         | 21000        | 21500        | 22000        | 15000        | 18700        | 19300        | 18000        |
| Lead                  | mg/kg | 10.7 J        | 9.5 J        | 8.6          | 31.9 J       | 8.5 J        | 8.8 J        | 9.2 J        | 7.9 J        |
| Magnesium             | mg/kg | 9190          | 10200        | 9400         | 4270         | 10600        | 9020         | 10800        | 13600        |
| Manganese             | mg/kg | 370 J         | 291 J        | 479 J        | 132 J        | 351 J        | 307 J        | 474 J        | 392 J        |
| Mercury               | mg/kg | ND (0.0073) U | 0.026 J      | 0.014 J      | 0.014 J      | 0.024 J      | 0.012 J      | 0.010 J      | 0.016 J      |
| Molybdenum            | mg/kg | 0.16 J        | 0.16 J       | 1.4 J        | 1.5 J        | 0.29 J       | 0.41 J       | 1.2 J        | 1.1 J        |
| Nickel                | mg/kg | 13.6          | 18.2         | 14.2         | 6.6          | 12.4         | 11.5         | 13.8         | 15.6         |
| Selenium              | mg/kg | 0.40 J        | 0.21 J       | 0.23 J       | 0.17 J       | 0.21 J       | 0.22 J       | 0.28 J       | 0.19 J       |
| Silver                | mg/kg | 0.34 B J      | 0.16 B J     | 0.14 J       | 0.17 B J     | 0.090 B J    | 0.089 B J    | 0.11 B J     | 0.087 B J    |
| Thallium              | mg/kg | 0.087 B J     | 0.11 B J     | 0.096 J      | 0.11 B J     | 0.050 B J    | 0.043 B J    | 0.079 B J    | 0.065 B J    |
| Thorium               | mg/kg | 6.1 J         | 6.1 J        | 7.7 J        | 7.8 J        | 5.3 J        | 5.9 J        | 6.3 J        | 5.8 J        |
| Titanium              | mg/kg | 549           | 523          | 585          | 681          | 506          | 569          | 549          | 471          |
| Vanadium              | mg/kg | 32.6          | 30.9         | 30.9         | 25.5         | 25.5         | 29.5         | 26.3         | 25.7         |
| Zinc                  | mg/kg | 63.0 J        | 72.2 J       | 42.6         | 37.1 J       | 31.5 J       | 41.3 J       | 50.1 J       | 43.1 J       |

**TABLE D-9.7**  
**Summary of Soil Analytical Data**  
**Metals**

| Parameter             | Units | P-15(0-1')   | P-15(4-5')   | P-16(0-1')   | P-16(4-5')   | P-17(0-1')    | P-17(4-5')    | P-17(6-8')   | P-2(0-1')    |
|-----------------------|-------|--------------|--------------|--------------|--------------|---------------|---------------|--------------|--------------|
| Aluminum              | mg/kg | 10500 J      | 10900 J      | 11900 J      | 12200 J      | 12400 J       | 10800 J       | 9910 J       | 11700        |
| Antimony              | mg/kg | ND (0.17) U  | ND (0.18) U  | ND (0.17) U  | ND (0.17) U  | ND (0.16) U   | ND (0.18) U   | ND (0.17) U  | ND (0.16) U  |
| Arsenic               | mg/kg | 8.3          | 7.6          | 2            | 6.2          | 2.3           | 29.5          | 8.3          | 2            |
| Barium                | mg/kg | 263          | 160          | 269          | 372          | 292           | 143           | 130          | 219          |
| Beryllium             | mg/kg | 0.62         | 0.51 J       | 0.53 J       | 0.48 J       | 0.47 J        | 0.40 J        | 0.39 J       | 0.52         |
| Cadmium               | mg/kg | 0.12 J       | 0.29 J       | 0.15 J       | 0.11 J       | 0.12 J        | 0.067 J       | 0.057 J      | 0.17 J       |
| Chromium (hexavalent) | mg/kg | ND (0.059) U | ND (0.061) U | ND (0.058) U | ND (0.058) U | ND (0.057) U  | ND (0.062) U  | ND (0.060) U | ND (0.056) U |
| Chromium (total)      | mg/kg | 14.5         | 7.5          | 8.5          | 7.3          | 6.4           | 9.9           | 11.7         | 7.4          |
| Cobalt                | mg/kg | 5.5 J        | 6.2 J        | 7.5 J        | 7.6 J        | 8.4 J         | 5.6 B J       | 6.1          | 9            |
| Copper                | mg/kg | 22.7         | 10.7         | 14.4         | 15           | 13.5          | 10.6          | 9.6          | 12.6         |
| Iron                  | mg/kg | 21000        | 16800        | 17600        | 18100        | 25500 J       | 15800 J       | 17000        | 20100        |
| Lead                  | mg/kg | 75.0 J       | 6.2 J        | 9.4 J        | 9.3 J        | 11.9          | 6.1           | 6.1          | 8.2          |
| Magnesium             | mg/kg | 8810         | 15700        | 11100        | 11500        | 10200         | 11100         | 8360         | 11200        |
| Manganese             | mg/kg | 232 J        | 505 J        | 492 J        | 465 J        | 742 J         | 258 J         | 238 J        | 489 J        |
| Mercury               | mg/kg | 0.021 J      | 0.015 J      | 0.020 J      | 0.020 J      | ND (0.0073) U | ND (0.0080) U | 0.0083 J     | 0.081        |
| Molybdenum            | mg/kg | 0.67 J       | 0.32 J       | 0.33 J       | 0.37 J       | 0.45 J        | 0.64 J        | 0.90 J       | 0.64 J       |
| Nickel                | mg/kg | 11.5         | 15.2         | 13.2         | 12           | 12.5          | 11.1          | 11.9         | 14.7         |
| Selenium              | mg/kg | 0.45 J       | 0.51 J       | 0.31 J       | 0.36 J       | 0.36 J        | 0.14 J        | 0.13 J       | 0.35 J       |
| Silver                | mg/kg | 0.18 B J     | 0.087 B J    | 0.13 B J     | 0.11 B J     | 0.11 J        | 0.11 J        | 0.12 J       | 0.10 J       |
| Thallium              | mg/kg | 0.17 B J     | 0.068 B J    | 0.089 B J    | 0.081 B J    | 0.066 J       | 0.056 J       | 0.060 J      | 0.077 J      |
| Thorium               | mg/kg | 10.4 J       | 4.4 J        | 6.3 J        | 6.3 J        | 6.1 J         | 5.0 J         | 5.3 J        | 6.3 J        |
| Titanium              | mg/kg | 533          | 392          | 550          | 532          | 625           | 516           | 404          | 468          |
| Vanadium              | mg/kg | 28.8         | 32.1         | 22.8         | 25.1         | 25.2          | 25.9          | 25.8         | 24.3         |
| Zinc                  | mg/kg | 49.5 J       | 38.0 J       | 43.6 J       | 42.9 J       | 51.3 J        | 37.1 J        | 38.1         | 47.8         |

**TABLE D-9.7**  
**Summary of Soil Analytical Data**  
**Metals**

| Parameter             | Units | P-2(10-12')  | P-2(16-18')  | P-3(0-1')     | P-3(10-12')  | P-3(18-20')   | P-4(0-1')    | P-4(10-12')  | P-4(20-22')   |
|-----------------------|-------|--------------|--------------|---------------|--------------|---------------|--------------|--------------|---------------|
| Aluminum              | mg/kg | 9060         | 8440         | 13700         | 8610         | 7960          | 13400 J      | 11700 J      | 9860 J        |
| Antimony              | mg/kg | ND (0.17) U  | ND (0.17) U  | ND (0.17) U   | ND (0.17) U  | ND (0.17) U   | ND (0.16) U  | ND (0.17) U  | ND (0.17) U   |
| Arsenic               | mg/kg | 6.3          | 10.1         | 1.3           | 4.2          | 4.7           | 3.1          | 6.7          | 6.7           |
| Barium                | mg/kg | 214          | 149          | 234           | 142          | 346           | 255          | 250          | 141           |
| Beryllium             | mg/kg | 0.57         | 0.44 J       | 0.59          | 0.54         | 0.40 J        | 0.62         | 0.56         | 0.52 J        |
| Cadmium               | mg/kg | 0.085 J      | 0.084 J      | 0.11 J        | 0.092 J      | 0.059 J       | 0.12 J       | 0.13 J       | 0.077 J       |
| Chromium (hexavalent) | mg/kg | ND (0.059) U | ND (0.059) U | ND (0.057) U  | ND (0.057) U | ND (0.059) U  | ND (0.056) U | ND (0.057) U | ND (0.059) U  |
| Chromium (total)      | mg/kg | 10.1         | 10.6         | 5.6           | 6.6          | 9.5           | 8.8          | 10           | 11.7          |
| Cobalt                | mg/kg | 7.2          | 4.4 J        | 8.4           | 7.5          | 4.3 J         | 8.2          | 6.8          | 6.3           |
| Copper                | mg/kg | 11           | 9.3          | 11.2          | 15.3         | 9.2           | 13.2         | 19.6         | 13.1          |
| Iron                  | mg/kg | 11400        | 13900        | 21000         | 14600        | 13300         | 20500        | 18000        | 17100         |
| Lead                  | mg/kg | 10.2         | 6.5          | 7.6           | 6.6          | 8.6           | 9.9          | 15.6         | 8.4           |
| Magnesium             | mg/kg | 10800        | 13600        | 10000         | 9210         | 7660          | 10600        | 10000        | 9920          |
| Manganese             | mg/kg | 353 J        | 184 J        | 544 J         | 392 J        | 220 J         | 462 J        | 412 J        | 296 J         |
| Mercury               | mg/kg | 0.092        | 0.083        | ND (0.0074) U | 0.011 J      | ND (0.0076) U | 0.019 J      | 0.021 J      | ND (0.0076) U |
| Molybdenum            | mg/kg | 1.6 J        | 1.3 J        | 0.54 J        | 0.66 J       | 1.1 J         | 0.33 J       | 1.2 J        | 2.0 J         |
| Nickel                | mg/kg | 12.8         | 10           | 11.1          | 13.3         | 10.8          | 13.5         | 12.7         | 12.5          |
| Selenium              | mg/kg | 0.18 J       | 0.19 J       | 0.22 J        | 0.24 J       | 0.28 J        | 0.24 J       | 0.27 J       | 0.35 J        |
| Silver                | mg/kg | 0.091 J      | 0.11 J       | 0.12 J        | 0.11 J       | 0.071 J       | 0.15 J       | 0.15 J       | 0.10 J        |
| Thallium              | mg/kg | 0.060 J      | 0.065 J      | 0.050 J       | 0.047 J      | 0.064 J       | 0.095 J      | 0.12 J       | 0.060 J       |
| Thorium               | mg/kg | 7.3 J        | 5.4 J        | 6.5 J         | 7.1 J        | 9.4 J         | 7.8 J        | 9.0 J        | 6.4 J         |
| Titanium              | mg/kg | 482          | 426          | 494           | 513          | 331           | 538          | 547          | 390           |
| Vanadium              | mg/kg | 28.8         | 25.6         | 21.9          | 31.3         | 22.3          | 28.6         | 33           | 29.2          |
| Zinc                  | mg/kg | 29.5         | 30.2         | 47.8          | 38.2         | 28.8          | 43.5         | 45.8         | 33.8          |

**TABLE D-9.7**  
**Summary of Soil Analytical Data**  
**Metals**

| Parameter             | Units | P-5(0-1')    | P-5(10-12')  | P-5(16-18')  | P-6(0-1')     | P-6(10-12')   | P-6(18-21')   | P-7(0-1')    |
|-----------------------|-------|--------------|--------------|--------------|---------------|---------------|---------------|--------------|
| Aluminum              | mg/kg | 12900 J      | 11400 J      | 6710 J       | 12800         | 9320          | 5300          | 11600        |
| Antimony              | mg/kg | ND (0.17) U  | ND (0.17) U  | ND (0.18) U  | ND (0.17) U   | ND (0.17) U   | ND (0.18) U   | ND (0.17) U  |
| Arsenic               | mg/kg | 1.7          | 5.8          | 9.9          | 2.7           | 3.8           | 5.2           | 7.6          |
| Barium                | mg/kg | 281          | 184          | 293          | 334           | 268           | 203           | 113          |
| Beryllium             | mg/kg | 0.55         | 0.49 J       | 0.39 J       | 0.66          | 0.57          | 0.34 J        | 0.63         |
| Cadmium               | mg/kg | 0.14 J       | 0.11 J       | 0.089 J      | 0.13 J        | 0.083 J       | 0.035 J       | 0.086 J      |
| Chromium (hexavalent) | mg/kg | ND (0.058) U | ND (0.059) U | ND (0.061) U | ND (0.057) U  | ND (0.057) U  | ND (0.061) U  | ND (0.059) U |
| Chromium (total)      | mg/kg | 8.1          | 12.4         | 12.6         | 6.7           | 20.8          | 9.9           | 13.5         |
| Cobalt                | mg/kg | 8.1 J        | 6.1 J        | 5.3 B J      | 8.2           | 7.5           | 3.5 J         | 7.3 J        |
| Copper                | mg/kg | 14.6         | 12.6         | 11.8         | 13            | 11.9          | 8.6           | 12.5         |
| Iron                  | mg/kg | 22200 J      | 16600 J      | 12600 J      | 20900         | 16700         | 7370          | 14600        |
| Lead                  | mg/kg | 10.3         | 7.5          | 9.4          | 11.6          | 9.3           | 5.4           | 6.3          |
| Magnesium             | mg/kg | 11000        | 12900        | 11000        | 11400         | 8910          | 8340          | 13800        |
| Manganese             | mg/kg | 575 J        | 295 J        | 420 J        | 534 J         | 453 J         | 197 J         | 309 J        |
| Mercury               | mg/kg | 0.033 J      | 0.081        | 0.096        | ND (0.0074) U | ND (0.0074) U | ND (0.0079) U | 0.011 J      |
| Molybdenum            | mg/kg | 0.40 J       | 0.56 J       | 1.5 J        | 1.3 J         | 0.63 J        | 0.76 J        | 0.69 J       |
| Nickel                | mg/kg | 14           | 14.9         | 12           | 12.7          | 10.9          | 8.7           | 13.9 J       |
| Selenium              | mg/kg | 0.29 J       | 0.25 J       | 0.24 J       | 0.21 J        | 2.5           | 0.18 J        | 0.46 J       |
| Silver                | mg/kg | 0.13 J       | 0.12 J       | 0.078 J      | 0.14 J        | 0.12 J        | 0.072 J       | 0.075 J      |
| Thallium              | mg/kg | 0.066 J      | 0.039 J      | 0.045 J      | 0.075 J       | 0.053 J       | 0.069 J       | 0.061 J      |
| Thorium               | mg/kg | 6.8 J        | 5.0 J        | 5.3 J        | 7.9 J         | 10.1 J        | 5.1 J         | 5.3 J        |
| Titanium              | mg/kg | 704          | 593          | 483          | 543           | 531           | 308           | 397          |
| Vanadium              | mg/kg | 27           | 27           | 25.9         | 32.2          | 28.3          | 20.7          | 42.0 J       |
| Zinc                  | mg/kg | 47.7 J       | 35.6 J       | 27.8 J       | 47.6          | 39.8          | 19.1          | 33.9         |

**TABLE D-9.7**  
**Summary of Soil Analytical Data**  
**Metals**

| Parameter             | Units | P-7(10-12')   | P-7(18-20')  | P-7(19-21')   | P-7(2-3') | P-8(0-1')     | P-8(10-12')   | P-8(16-18')  | P-9(0-1')    |
|-----------------------|-------|---------------|--------------|---------------|-----------|---------------|---------------|--------------|--------------|
| Aluminum              | mg/kg | 11200 J       | 8980 J       | 7520 J        |           | 12500 J       | 9940 J        | 6400 J       | 13100        |
| Antimony              | mg/kg | ND (0.19) U   | ND (0.23) U  | ND (0.19) U   |           | ND (0.17) U   | ND (0.17) U   | ND (0.18) U  | ND (0.17) U  |
| Arsenic               | mg/kg | 4.4           | 17.4         | 18.5          |           | 3.6           | 4.3           | 14.3         | 4.6          |
| Barium                | mg/kg | 215           | 26.4 J       | 63            |           | 246           | 160           | 341          | 239          |
| Beryllium             | mg/kg | 0.47 J        | 0.48 J       | 0.66          |           | 0.54 J        | 0.44 J        | 0.33 J       | 0.77         |
| Cadmium               | mg/kg | 0.082 J       | 0.11 J       | 0.078 J       |           | 0.11 J        | 0.094 J       | 0.033 J      | 0.16 J       |
| Chromium (hexavalent) | mg/kg | ND (0.066) U  | ND (0.078) U | ND (0.065) U  |           | ND (0.060) U  | ND (0.057) U  | ND (0.062) U | ND (0.057) U |
| Chromium (total)      | mg/kg | 8.7           | 19.9         | 26.1          |           | 7             | 6.3           | 9.8          | 8.3          |
| Cobalt                | mg/kg | 6.2 J         | 4.0 B J      | 7.6           |           | 9.4 J         | 7.3 J         | 3.6 B J      | 7.2 J        |
| Copper                | mg/kg | 12.1          | 10           | 9             |           | 14.8          | 14.4          | 9.4          | 11.9         |
| Iron                  | mg/kg | 18400         | 9690         | 9080          |           | 22400 J       | 19700 J       | 12000 J      | 16100        |
| Lead                  | mg/kg | 10 J          | 6.1 J        | 4.3           |           | 12            | 6.7           | 6.6          | 9.2          |
| Magnesium             | mg/kg | 10300         | 40900        | 30400         |           | 10200         | 9390          | 8180         | 11300        |
| Manganese             | mg/kg | 390 J         | 157 J        | 141 J         |           | 692 J         | 443 J         | 180 J        | 551 J        |
| Mercury               | mg/kg | ND (0.0085) U | 0.013 J      | ND (0.0084) U |           | ND (0.0077) U | ND (0.0074) U | 0.071        | 0.027 J      |
| Molybdenum            | mg/kg | 1.0 J         | 1.3 J        | 1.3 J         |           | 1.3 J         | 0.81 J        | 0.96 J       | 0.30 J       |
| Nickel                | mg/kg | 10.9          | 13.3         | 15.7          |           | 12.6          | 12.3          | 8.8          | 12.1 J       |
| Selenium              | mg/kg | 0.67          | 0.53 J       | 0.51 J        |           | 0.43 J        | 0.63          | 0.18 J       | 0.34 J       |
| Silver                | mg/kg | 0.089 B J     | 0.085 B J    | 0.16 J        |           | 0.12 J        | 0.083 J       | 0.055 J      | 0.11 J       |
| Thallium              | mg/kg | 0.048 B J     | 0.12 B J     | 0.12 J        |           | 0.081 J       | 0.030 J       | 0.063 J      | 0.11 J       |
| Thorium               | mg/kg | 4.8 J         | 4.3 J        | 5.8 J         |           | 7.2 J         | 5.7 J         | 4.7 J        | 6.9 J        |
| Titanium              | mg/kg | 487           | 422          | 333           |           | 621           | 495           | 278          | 480          |
| Vanadium              | mg/kg | 25.7          | 40.3         | 38.5          |           | 28.1          | 23.4          | 21.5         | 24.9 J       |
| Zinc                  | mg/kg | 38.0 J        | 30.8 J       | 25.7          |           | 47.3 J        | 42.6 J        | 28.1 J       | 44.9         |

**TABLE D-9.7**  
**Summary of Soil Analytical Data**  
**Metals**

| Parameter             | Units | P-9(6-8')     | S-1(0-1')    | S-1(10-12')   | S-1(16-17')   | S-2(0-1')    | S-2(10-12')  | S-2(18-20')   |
|-----------------------|-------|---------------|--------------|---------------|---------------|--------------|--------------|---------------|
| Aluminum              | mg/kg | 8270          | 13100 J      | 13200 J       | 9650 J        | 13500 J      | 12900 J      | 8920 J        |
| Antimony              | mg/kg | ND (0.17) U   | ND (0.16) U  | ND (0.17) U   | ND (0.17) U   | ND (0.17) U  | ND (0.17) U  | ND (0.20) U   |
| Arsenic               | mg/kg | 8.5           | 2.8          | 3             | 3.8           | 1.4          | 6.1          | 12.2          |
| Barium                | mg/kg | 306           | 236          | 283           | 335           | 298          | 282          | 178           |
| Beryllium             | mg/kg | 0.41 J        | 0.55         | 0.55          | 0.42 J        | 0.6          | 0.54         | 0.57 J        |
| Cadmium               | mg/kg | 0.16 J        | 0.15 J       | 0.11 J        | 0.033 J       | 0.15 J       | 0.13 J       | 0.13 J        |
| Chromium (hexavalent) | mg/kg | ND (0.060) U  | ND (0.056) U | ND (0.057) U  | ND (0.058) U  | ND (0.057) U | ND (0.058) U | ND (0.069) U  |
| Chromium (total)      | mg/kg | 7.3           | 8.6          | 7.2           | 7.9           | 5.5          | 7.5          | 10            |
| Cobalt                | mg/kg | 5.5 J         | 7.0 J        | 8.7 J         | 4.7 B J       | 9.1          | 8.1          | 7             |
| Copper                | mg/kg | 9.9           | 18.7         | 14.5          | 10.1          | 13.3         | 15.2         | 12.6          |
| Iron                  | mg/kg | 10900         | 20100 J      | 22300 J       | 17600 J       | 23100        | 22000        | 9990          |
| Lead                  | mg/kg | 6.2           | 71.9         | 8.4           | 6.1           | 8.9          | 8.9          | 5.5           |
| Magnesium             | mg/kg | 11000         | 10700        | 11400         | 10000         | 10000        | 9900         | 18500         |
| Manganese             | mg/kg | 361 J         | 462 J        | 524 J         | 236 J         | 573 J        | 642 J        | 310 J         |
| Mercury               | mg/kg | ND (0.0077) U | 0.010 J      | ND (0.0074) U | ND (0.0075) U | 0.022 J      | 0.011 J      | ND (0.0090) U |
| Molybdenum            | mg/kg | 2.5 J         | 0.29 J       | 0.50 J        | 0.26 J        | 0.54 J       | 0.95 J       | 1.2 J         |
| Nickel                | mg/kg | 11.8 J        | 12.6         | 14.3          | 11.3          | 14.7         | 13.5         | 15.7          |
| Selenium              | mg/kg | 0.56          | 0.36 J       | 0.34 J        | 0.14 J        | 0.29 J       | 0.28 J       | 0.34 J        |
| Silver                | mg/kg | 0.086 J       | 0.11 J       | 0.13 J        | 0.053 J       | 0.14 J       | 0.12 J       | 0.15 J        |
| Thallium              | mg/kg | 0.046 J       | 0.095 J      | 0.048 J       | 0.032 J       | 0.067 J      | 0.088 J      | 0.11 J        |
| Thorium               | mg/kg | 3.7 J         | 7.1 J        | 6.2 J         | 5.7 J         | 8.7 J        | 8.3 J        | 6.1 J         |
| Titanium              | mg/kg | 380           | 605          | 663           | 401           | 566          | 481          | 422           |
| Vanadium              | mg/kg | 22.8 J        | 23           | 29.4          | 21.8          | 26.2         | 33.7         | 33.6          |
| Zinc                  | mg/kg | 28.6          | 60.1 J       | 45.3 J        | 43.1 J        | 50.1         | 43.1         | 28.7          |



**TABLE D-9.8**  
**Summary of Soil Analytical Data**  
**Radionuclides**

| Parameter    | Units | A-1(0-1')      | A-1(10-12')    | A-1(16-18') | A-2(0-1')    | A-2(10-12')  | A-2(19-21') | B-1(0-1')    | B-1(10-12') |
|--------------|-------|----------------|----------------|-------------|--------------|--------------|-------------|--------------|-------------|
| Actinium 228 | pCi/g | 1.71           | 1.36           | ND (1.0) U  | 1.67         | 1.21         | 1.41        | 1.37         | 1.26        |
| Bismuth 212  | pCi/g | ND (2.2) U     | ND (2.4) U     | ND (3.1) U  | ND (2.2) U   | ND (2.0) U   | ND (2.3) U  | ND (1.9) U   | ND (2.1) U  |
| Bismuth 214  | pCi/g | 0.95           | 1.13           | 4.43        | 1.13         | 1.04         | 1.63        | 0.87         | 0.9         |
| Cesium 137   | pCi/g |                |                |             |              |              |             |              |             |
| Lead 210     | pCi/g | ND (2.2) U     | ND (3.1) U     | 6.9         | ND (2.8) U   | ND (2.0) U   | 3.6         | ND (2.0) U   | ND (3.0) U  |
| Lead 212     | pCi/g | 1.2            | 1.25           | 0.67        | 1.16         | 1.17         | 1.24        | 1.14         | 1.11        |
| Lead 214     | pCi/g | 0.56           | 0.95           | 4.7         | 1.04         | 1.13         | 1.38        | 0.91         | 1.04        |
| Potassium 40 | pCi/g | 28             | 24.2           | 17          | 22.2         | 26.2         | 24.5        | 22.8         | 27.9        |
| Radium 224   | pCi/g | 3.2            | 3.6            | 9.6         | ND (2.7) U   | 3.2          | 3.6         | 2.2          | ND (2.9) U  |
| Radium 226   | pCi/g | ND (3.7E-01) U | ND (3.6E-01) U | 2.92E+00    | 2.90E-01     | 2.23E+00     | 2.23E+00    | 2.21E+00     | 1.93E+00    |
| Radium 228   | pCi/g | 1.285510861    | 1.307983093    | 0.866424988 | 1.406601635  | 1.356538506  | 1.348509004 | 1.278691265  | 1.417728684 |
| Thallium 208 | pCi/g | 0.54           | 0.42           | ND (0.30) U | 0.44         | 0.43         | 0.38        | 0.42         | 0.48        |
| Thorium 228  | pCi/g | 1.03           | 1.44           | 0.68 J      | 1.27         | 1.3          | 0.80 J      | 1.33         | 1.46        |
| Thorium 230  | pCi/g | 0.97 J         | 1.7            | 4.6         | 1.19         | 1.33         | 1.35        | 1.03         | 1.47        |
| Thorium 232  | pCi/g | 1.38           | 1.67           | 1.04        | 1.34         | 1.36         | 1.07        | 1.19         | 1.18        |
| Thorium 234  | pCi/g | ND (1.4) U     | 1.64           | 4.5         | 1.51         | ND (1.2) U   | ND (1.7) U  | 1.2          | ND (1.5) U  |
| Uranium 234  | pCi/g | 0.77 J         | 1.74           | 4.6         | 0.95 J       | 1.12         | 1.73        | 1.61         | 1.32        |
| Uranium 235  | pCi/g | ND (0.089) U   | ND (0.11) U    | 0.133 J     | ND (0.089) U | ND (0.099) U | 0.093 J     | ND (0.082) U | 0.099 J     |
| Uranium 238  | pCi/g | 0.73 J         | 1.41           | 4.45        | 0.79 J       | 0.92 J       | 1.32        | 1.34         | 1.25        |

**TABLE D-9.8**  
**Summary of Soil Analytical Data**  
**Radionuclides**

| Parameter    | Units | B-1(19-21') | B-2(0-1')   | B-2(4-5')   | B-3(0-1')      | B-3(4-5')      | DUP 1       | DUP 2          |
|--------------|-------|-------------|-------------|-------------|----------------|----------------|-------------|----------------|
| Actinium 228 | pCi/g | ND (1.0) U  | 1.79        | 1.57        | 1.3            | 0.9            | 1.34        | 1.3            |
| Bismuth 212  | pCi/g | ND (2.5) U  | 1.1         | 1.5         | ND (1.8) U     | ND (2.0) U     | 2           | ND (2.1) U     |
| Bismuth 214  | pCi/g | 3.44        | 1.16        | 1.03        | 0.67           | 0.89           | 1.11        | 1.03           |
| Cesium 137   | pCi/g |             |             |             |                |                |             |                |
| Lead 210     | pCi/g | ND (3.4) U  | 0.9         | 1.4         | ND (1.9) U     | ND (2.2) U     | 1.2         | ND (2.2) U     |
| Lead 212     | pCi/g | 0.82        | 1.15        | 1.04        | 0.85           | 0.92           | 1.11        | 1.05           |
| Lead 214     | pCi/g | 3.66        | 0.92        | 0.76        | 0.8            | 0.67           | 0.85        | 0.71           |
| Potassium 40 | pCi/g | 15.5        | 28.3        | 26.2        | 23.8           | 21.6           | 25.6        | 22.7           |
| Radium 224   | pCi/g | 6.4         | 3.6         | 6.2         | 3.4            | ND (2.5) U     | 2.7         | 3.7            |
| Radium 226   | pCi/g | 3.80E+00    | 1.69E+00    | 3.00E+00    | ND (2.7E-01) U | ND (2.5E-01) U | 2.20E-01    | ND (2.6E-01) U |
| Radium 228   | pCi/g | 1.44325061  | 1.612909991 | 1.294885492 | 1.012172598    | 1.016949525    | 1.361753075 | 1.215295001    |
| Thallium 208 | pCi/g | 0.41        | 0.47        | 0.39        | 0.37           | 0.39           | 0.42        | 0.32           |
| Thorium 228  | pCi/g | 1.69        | 1.41        | 1.55        | 1.24           | 1.22           | 1.2         | 1.35           |
| Thorium 230  | pCi/g | 2.42        | 1.36        | 1.29        | 0.94 J         | 1.17           | 1.03        | 1.41           |
| Thorium 232  | pCi/g | 1.0 J       | 1.46        | 1.51        | 1.1            | 1.43           | 1.5         | 1.41           |
| Thorium 234  | pCi/g | ND (2.0) U  | 1.04        | 0.84        | ND (1.2) U     | ND (1.4) U     | 1.29        | ND (1.2) U     |
| Uranium 234  | pCi/g | 1.58        | 1.44        | 1.38        | 0.94 J         | 1.5            | 1.48        | 0.99 J         |
| Uranium 235  | pCi/g | 0.068 J     | 0.059       | 0.104       | ND (0.13) U    | ND (0.042) U   | 0           | ND (0.16) U    |
| Uranium 238  | pCi/g | 1.55        | 1.07        | 1.32        | 0.58 J         | 0.96 J         | 1.13        | 0.88 J         |

**TABLE D-9.8**  
**Summary of Soil Analytical Data**  
**Radionuclides**

| Parameter    | Units | DUP 3          | E-1(0-1')  | E-1(4-5')   | E-2(0-1')   | E-2(4-5')   | E-2(6-8')   | P-1(0-1')    | P-1(10-12')  |
|--------------|-------|----------------|------------|-------------|-------------|-------------|-------------|--------------|--------------|
| Actinium 228 | pCi/g | 1.53           | 1.26       | 1.22        | 1.41        | 1.6         | 0.95        | 0.8          | 1.34         |
| Bismuth 212  | pCi/g | ND (2.1) U     | ND (1.9) U | ND (1.8) U  | ND (2.0) U  | ND (2.0) U  | ND (1.8) U  | ND (1.8) U   | ND (2.1) U   |
| Bismuth 214  | pCi/g | 0.77           | 0.74       | 0.85        | 0.77        | 0.82        | 1.1         | 0.83         | 1.18         |
| Cesium 137   | pCi/g |                |            |             |             |             |             |              |              |
| Lead 210     | pCi/g | ND (2.1) U     | ND (1.8) U | ND (2.0) U  | ND (2.0) U  | ND (2.6) U  | ND (1.9) U  | ND (2.1) U   | ND (2.3) U   |
| Lead 212     | pCi/g | 1.32           | 1.14       | 1.12        | 1.35        | 1.11        | 1.03        | 1.19         | 1.09         |
| Lead 214     | pCi/g | 0.78           | 0.77       | 0.84        | 0.86        | 0.87        | 0.69        | 0.79         | 1.1          |
| Potassium 40 | pCi/g | 27.1           | 26.4       | 23.2        | 24.8        | 24          | 26.6        | 23.3         | 24.7         |
| Radium 224   | pCi/g | 2.6            | 4.5        | 2.3         | 2.4         | 5.6         | 2           | ND (2.2) U   | 3.9          |
| Radium 226   | pCi/g | ND (3.0E-01) U | -9.30E-01  | 8.40E-01    | 2.20E+00    | 1.61E+00    | 1.06E+00    | 1.00E-01     | -2.60E-01    |
| Radium 228   | pCi/g | 1.185744242    | 1.51293425 | 1.487070049 | 1.485644364 | 1.576417959 | 0.955257165 | 1.404575954  | 1.388429241  |
| Thallium 208 | pCi/g | 0.55           | 0.49       | 0.48        | 0.59        | 0.47        | 0.42        | 0.42         | 0.43         |
| Thorium 228  | pCi/g | 1.66           | 1.03       | 1.42        | 1.46        | 1.55        | 1.62        | 1.14         | 1.47         |
| Thorium 230  | pCi/g | 1.19           | 1.05       | 1.04        | 0.94 J      | 0.86 J      | 1.51        | 0.98 J       | 1.38         |
| Thorium 232  | pCi/g | 1.41           | 1.41       | 1.33        | 1.42        | 1.45        | 1.4         | 1.16         | 1.17         |
| Thorium 234  | pCi/g | ND (1.2) U     | 1.14       | ND (1.2) U  | 1.7         | ND (1.4) U  | ND (1.1) U  | ND (1.1) U   | ND (1.2) U   |
| Uranium 234  | pCi/g | 0.94 J         | 1.01       | 0.98 J      | 0.71 J      | 0.95 J      | 1.32        | 0.93 J       | 1.76         |
| Uranium 235  | pCi/g | ND (0.073) U   | 0.123 J    | 0.087 J     | 0.066 J     | 0.148 J     | 0.149 J     | ND (0.064) U | ND (0.084) U |
| Uranium 238  | pCi/g | 0.76 J         | 0.92 J     | 0.99 J      | 0.79 J      | 0.70 J      | 0.83 J      | 0.81 J       | 1.08         |

**TABLE D-9.8**  
**Summary of Soil Analytical Data**  
**Radionuclides**

| Parameter    | Units | P-1(18-20') | P-10(0-1')   | P-10(10-11')    | P-10(12-12 5') | P-10(16 5-17 5') | P-11(0-1')  | P-11(15-17') |
|--------------|-------|-------------|--------------|-----------------|----------------|------------------|-------------|--------------|
| Actinium 228 | pCi/g | 1.24        | 1.3          | 1.58            |                | 1.39             | 1.47        | 1.41         |
| Bismuth 212  | pCi/g | ND (1.9) U  | ND (1.9) U   | ND (1.9) U      |                | ND (2.0) U       | 1.65        | ND (2.0) U   |
| Bismuth 214  | pCi/g | 1.5         | 0.84         | 0.81            |                | 0.67             | 0.88        | 1.36         |
| Cesium 137   | pCi/g |             |              |                 |                |                  |             |              |
| Lead 210     | pCi/g | ND (2.4) U  | ND (1.9) U   | ND (2.5) U      |                | ND (2.2) U       | 0.3         | ND (2.5) U   |
| Lead 212     | pCi/g | 1.09        | 1.26         | 1.29            |                | 1.06             | 1.52        | 1.14         |
| Lead 214     | pCi/g | 1.35        | 0.95         | 0.81            |                | 0.77             | 0.77        | 1.46         |
| Potassium 40 | pCi/g | 25.4        | 24.8         | 25              |                | 29.5             | 25.8        | 25.8         |
| Radium 224   | pCi/g | ND (2.6) U  | 3.2          | 3.5             |                | 3.5              | 2.9         | 3.2          |
| Radium 226   | pCi/g | 4.70E-01    | 1.90E+00     | 6.30E-01        |                | 1.60E-01         | 3.60E+00    | 1.04E+00     |
| Radium 228   | pCi/g | 1.499558208 | 1.01184828   | 0.96448548798 J |                | 1.197364891      | 1.554036855 | 1.346269951  |
| Thallium 208 | pCi/g | 0.39        | 0.45         | 0.33            |                | 0.42             | 0.53        | 0.42         |
| Thorium 228  | pCi/g | 1.39        | 1.55         | 1.29            |                | 1.52             | 1.5         | 1.16         |
| Thorium 230  | pCi/g | 1.85        | 0.95 J       | 1.15            |                | 1.15             | 0.83        | 1.32         |
| Thorium 232  | pCi/g | 1.22        | 1.38         | 1.4             |                | 1.55             | 1.73        | 0.82 J       |
| Thorium 234  | pCi/g | ND (1.3) U  | ND (1.2) U   | ND (1.5) U      |                | 1.7              | 0.87        | ND (1.3) U   |
| Uranium 234  | pCi/g | 1.64        | 1.3          | 3.01            |                | 0.81 J           | 1.53        | 1.58         |
| Uranium 235  | pCi/g | 0.089 J     | ND (0.067) U | 0.128 J         |                | 0.20 J           | 0.15        | 0.089 J      |
| Uranium 238  | pCi/g | 1.32        | 1.02         | 2.16            |                | 0.78 J           | 1.05        | 1.14         |

**TABLE D-9.8**  
**Summary of Soil Analytical Data**  
**Radionuclides**

| Parameter    | Units | P-11(4-5')  | P-12(0-1')  | P-12(15-17')   | P-12(4-5')  | P-13(0-1')  | P-13(4-5')  | P-14(0-1')  | P-14(4-5')  |
|--------------|-------|-------------|-------------|----------------|-------------|-------------|-------------|-------------|-------------|
| Actinium 228 | pCi/g | 1.59        | 1.5         | 1.38           | 1.34        | 1.16        | 1.72        | 1.07        | 1.08        |
| Bismuth 212  | pCi/g | 1.3         | 2.5         | ND (1.8) U     | 1.1         | 1.97        | 1.5         | 1.98        | 2           |
| Bismuth 214  | pCi/g | 0.8         | 0.95        | 1.02           | 0.77        | 0.9         | 0.84        | 0.65        | 0.87        |
| Cesium 137   | pCi/g |             |             |                |             |             |             |             |             |
| Lead 210     | pCi/g | 1.3         | 1.2         | ND (2.5) U     | 1.8         | 0.7         | 1.4         | 0.1         | 1.7         |
| Lead 212     | pCi/g | 1.1         | 1.18        | 1.12           | 1.17        | 0.94        | 1.12        | 1.16        | 1.36        |
| Lead 214     | pCi/g | 0.65        | 0.82        | 0.78           | 0.71        | 0.66        | 0.75        | 0.78        | 0.73        |
| Potassium 40 | pCi/g | 20.2        | 24.5        | 23.9           | 23.8        | 25.5        | 21.2        | 23.4        | 23.9        |
| Radium 224   | pCi/g | 1.8         | 1.6         | ND (2.6) U     | 2.6         | 3.5         | 2.5         | 3.3         | 2.5         |
| Radium 226   | pCi/g | 9.40E-01    | 1.55E+00    | ND (3.3E-01) U | 1.67E+00    | 5.00E-01    | 2.80E+00    | -4.11E+00   | -4.90E-01   |
| Radium 228   | pCi/g | 1.307627916 | 1.575889142 | 1.44056192     | 1.376136988 | 1.488400086 | 1.177496516 | 2.997711349 | 1.801474649 |
| Thallium 208 | pCi/g | 0.38        | 0.47        | 0.43           | 0.4         | 0.4         | 0.38        | 0.44        | 0.49        |
| Thorium 228  | pCi/g | 1.59        | 1.34        | 1.34           | 1.48        | 1.28        | 1.43        | 1.36        | 1.51        |
| Thorium 230  | pCi/g | 1.14        | 0.98        | 1.0 J          | 0.83        | 0.98        | 1           | 0.98        | 1.14        |
| Thorium 232  | pCi/g | 1.43        | 1.63        | 1.33           | 1.35        | 1.26        | 1.4         | 1.43        | 1.53        |
| Thorium 234  | pCi/g | 1.35        | 1.13        | 1.55           | 2           | 1           | 1.12        | 0.9         | 0.33        |
| Uranium 234  | pCi/g | 1.06        | 1.27        | 1.19           | 0.75        | 1.25        | 1.06        | 0.99        | 1           |
| Uranium 235  | pCi/g | 0.029       | 0.008       | 0.077 J        | 0.063       | 0.114       | 0.098       | 0.13        | 0.061       |
| Uranium 238  | pCi/g | 1.02        | 1.04        | 0.95 J         | 0.88        | 1.09        | 0.73        | 0.77        | 0.67        |

**TABLE D-9.8**  
**Summary of Soil Analytical Data**  
**Radionuclides**

| Parameter    | Units | P-15(0-1')  | P-15(4-5')  | P-16(0-1')  | P-16(4-5')  | P-17(0-1')  | P-17(4-5')     | P-17(6-8')  | P-2(0-1')    |
|--------------|-------|-------------|-------------|-------------|-------------|-------------|----------------|-------------|--------------|
| Actinium 228 | pCi/g | 1.58        | 1.21        | 1.5         | 1.1         | 1.21        | 1.15           | 1.51        | 1.38         |
| Bismuth 212  | pCi/g | 1.2         | 0.72        | 2           | 1.5         | ND (2.3) U  | ND (2.3) U     | ND (2.1) U  | ND (2.0) U   |
| Bismuth 214  | pCi/g | 0.75        | 0.88        | 0.98        | 0.76        | 0.74        | 1.02           | 0.92        | 1.41         |
| Cesium 137   | pCi/g |             |             |             |             |             |                |             |              |
| Lead 210     | pCi/g | 1.2         | 1.6         | 1.1         | 1.4         | ND (2.2) U  | ND (2.5) U     | ND (2.4) U  | ND (2.4) U   |
| Lead 212     | pCi/g | 1.3         | 1.15        | 1.36        | 1.23        | 0.99        | 0.82           | 1.12        | 1.24         |
| Lead 214     | pCi/g | 0.73        | 1.01        | 0.91        | 0.67        | 0.81        | 1.04           | 0.9         | 1.31         |
| Potassium 40 | pCi/g | 22.4        | 23.8        | 20.3        | 24.5        | 22.4        | 25.5           | 22.5        | 25.4         |
| Radium 224   | pCi/g | 2.3         | 2.7         | 2.5         | 2.1         | 3           | 6.3            | ND (2.5) U  | 2.9          |
| Radium 226   | pCi/g | 1.64E+00    | 2.10E-01    | 1.42E+00    | 8.90E-01    | 9.7E-01 J   | ND (3.2E-01) U | 9.3E-01 J   | 1.92E+00     |
| Radium 228   | pCi/g | 1.572816872 | 1.293129823 | 1.433352743 | 1.537997159 | 1.115348871 | 1.189329425    | 1.319521434 | 1.168324356  |
| Thallium 208 | pCi/g | 0.51        | 0.37        | 0.39        | 0.33        | 0.39        | 0.33           | 0.48        | 0.41         |
| Thorium 228  | pCi/g | 1.66        | 1.56        | 1.36        | 1.38        | 1.3         | 1.64           | 1.43        | 0.97 J       |
| Thorium 230  | pCi/g | 1.14        | 1.26        | 1.35        | 0.99        | 1.11        | 1.77           | 1.32        | 1.31         |
| Thorium 232  | pCi/g | 1.79        | 1.51        | 1.43        | 1.54        | 1.5         | 1.18           | 1.42        | 1.3          |
| Thorium 234  | pCi/g | 1.59        | 1.32        | 0.97        | 0.3         | ND (1.3) U  | ND (1.4) U     | ND (1.4) U  | 1.35         |
| Uranium 234  | pCi/g | 1.03        | 1.18        | 1.54        | 1.13        | 1.52        | 1.89           | 2.05        | 1.61         |
| Uranium 235  | pCi/g | -0.004      | 0.05        | 0.103       | 0.132       | ND (0.11) U | 0.141 J        | 0.103 J     | ND (0.097) U |
| Uranium 238  | pCi/g | 1           | 0.95        | 1.12        | 1.01        | 0.99 J      | 1.54           | 1.42        | 1.3          |

**TABLE D-9.8**  
**Summary of Soil Analytical Data**  
**Radionuclides**

| Parameter    | Units | P-2(10-12')  | P-2(16-18')  | P-3(0-1')   | P-3(10-12')  | P-3(18-20') | P-4(0-1')      | P-4(10-12')  | P-4(20-22')    |
|--------------|-------|--------------|--------------|-------------|--------------|-------------|----------------|--------------|----------------|
| Actinium 228 | pCi/g | 1.64         | 1.27         | 2           | 1.21         | 1.22        | 0.84           | 1.46         | 1.23           |
| Bismuth 212  | pCi/g | ND (2.1) U   | ND (2.1) U   | 2.7         | ND (1.9) U   | ND (2.2) U  | ND (1.9) U     | ND (2.3) U   | ND (2.1) U     |
| Bismuth 214  | pCi/g | 0.6          | 1.8          | 0.93        | 0.91         | 1.09        | 0.81           | 1.18         | 1.18           |
| Cesium 137   | pCi/g |              |              |             |              |             |                |              |                |
| Lead 210     | pCi/g | ND (2.4) U   | ND (2.1) U   | ND (2.5) U  | ND (2.2) U   | 3.5         | ND (2.0) U     | ND (3.0) U   | ND (2.3) U     |
| Lead 212     | pCi/g | 1.27         | 1.05         | 1.29        | 1.19         | 1.34        | 1.14           | 1.38         | 1.22           |
| Lead 214     | pCi/g | 0.74         | 1.64         | 0.75        | 0.86         | 1.03        | 0.74           | 1.12         | 1.14           |
| Potassium 40 | pCi/g | 23.8         | 22.4         | 25.6        | 25.8         | 30.4        | 20.5           | 24.6         | 26.8           |
| Radium 224   | pCi/g | 2.4          | 4.1          | 2.6         | ND (2.2) U   | 3.8         | 2.4            | 3.7          | 2.5            |
| Radium 226   | pCi/g | 1.78E+00     | 2.26E+00     | 9.40E-01    | 7.80E-01     | 1.58E+00    | ND (3.2E-01) U | 7.5E-01 J    | ND (3.9E-01) U |
| Radium 228   | pCi/g | 1.232547683  | 1.351390143  | 1.553407784 | 1.394899744  | 1.464648639 | 1.50182415     | 1.296218986  | 1.440322986    |
| Thallium 208 | pCi/g | 0.4          | 0.44         | 0.45        | 0.46         | 0.39        | 0.37           | 0.4          | 0.4            |
| Thorium 228  | pCi/g | 1.38         | 0.97 J       | 1.45        | 1.82         | 0.79 J      | 1.42           | 1.46         | 1.5            |
| Thorium 230  | pCi/g | 0.99 J       | 2.31         | 0.80 J      | 1.31         | 1.25        | 1.33           | 1.04         | 1.61           |
| Thorium 232  | pCi/g | 1.52         | 1.08         | 1.19        | 1.49         | 1.66        | 1.44           | 1.61         | 1.6            |
| Thorium 234  | pCi/g | ND (1.3) U   | 1.36         | ND (1.3) U  | ND (1.2) U   | ND (1.3) U  | ND (1.1) U     | ND (1.5) U   | 1.4            |
| Uranium 234  | pCi/g | 0.60 J       | 1.99         | 0.88 J      | 1.06         | 1.5         | 0.85 J         | 0.74 J       | 1.83           |
| Uranium 235  | pCi/g | ND (0.091) U | ND (0.073) U | 0.071 J     | ND (0.091) U | 0.17 J      | ND (0.049) U   | ND (0.081) U | ND (0.15) U    |
| Uranium 238  | pCi/g | 1.03         | 1.88         | 0.88 J      | 1.17         | 0.95 J      | 0.81 J         | 0.68 J       | 1.65           |

**TABLE D-9.8**  
**Summary of Soil Analytical Data**  
**Radionuclides**

| Parameter    | Units | P-5(0-1')    | P-5(10-12')    | P-5(16-18')  | P-6(0-1')    | P-6(10-12') | P-6(18-21')  | P-7(0-1')       |
|--------------|-------|--------------|----------------|--------------|--------------|-------------|--------------|-----------------|
| Actinium 228 | pCi/g | 1.49         | 1.3            | 1.53         | 1.43         | 1.28        | 1.27         | 1.04            |
| Bismuth 212  | pCi/g | ND (2.4) U   | ND (2.4) U     | ND (2.4) U   | ND (2.0) U   | ND (1.9) U  | ND (2.0) U   | ND (2.0) U      |
| Bismuth 214  | pCi/g | 1.12         | 1.13           | 1.11         | 1.01         | 0.99        | 0.97         | 1               |
| Cesium 137   | pCi/g |              |                |              |              |             |              |                 |
| Lead 210     | pCi/g | ND (2.9) U   | ND (2.2) U     | ND (3.0) U   | 2.1          | ND (2.5) U  | ND (2.2) U   | ND (2.9) U      |
| Lead 212     | pCi/g | 1.23         | 1.22           | 1.22         | 1.29         | 1.3         | 1.24         | 1.2             |
| Lead 214     | pCi/g | 0.72         | 0.96           | 1.07         | 0.69         | 1.02        | 1.07         | 1.03            |
| Potassium 40 | pCi/g | 24.3         | 25.5           | 31           | 25.3         | 25.3        | 28.5         | 24              |
| Radium 224   | pCi/g | ND (2.7) U   | 3.3            | 3.1          | 2.2          | 3.1         | 2.7          | 3.5             |
| Radium 226   | pCi/g | 1.41E+00     | ND (2.8E-01) U | 6.8E-01 J    | 1.59E+00     | 4.40E-01    | 1.75E+00     | 2.75E+00        |
| Radium 228   | pCi/g | 1.382098257  | 1.047228738    | 1.195715084  | 1.264131324  | 1.212752183 | 1.309010013  | 0.85790503771 J |
| Thallium 208 | pCi/g | 0.37         | 0.43           | 0.57         | 0.42         | 0.54        | 0.53         | 0.44            |
| Thorium 228  | pCi/g | 1.39         | 1.45           | 1.39         | 1.17         | 1.31        | 1.23         | 1.46            |
| Thorium 230  | pCi/g | 0.90 J       | 1.5            | 1.82         | 0.86 J       | 1.37        | 1.34         | 1.22            |
| Thorium 232  | pCi/g | 1.6          | 1.26           | 1.34         | 1.25         | 1.42        | 1.14         | 1.43            |
| Thorium 234  | pCi/g | ND (1.4) U   | ND (1.3) U     | ND (1.6) U   | ND (1.2) U   | ND (1.3) U  | ND (1.3) U   | ND (1.5) U      |
| Uranium 234  | pCi/g | 0.65 J       | 1.04           | 1.4          | 0.94 J       | 1.06        | 0.93 J       | 1.15            |
| Uranium 235  | pCi/g | ND (0.074) U | ND (0.055) U   | ND (0.096) U | ND (0.047) U | 0.080 J     | ND (0.083) U | ND (0.094) U    |
| Uranium 238  | pCi/g | 0.80 J       | 0.77 J         | 1.22         | 0.96 J       | 1.07        | 0.97 J       | 0.97 J          |



**TABLE D-9.8**  
**Summary of Soil Analytical Data**  
**Radionuclides**

| Parameter    | Units | P-7(10-12') | P-7(18-20') | P-7(19-21') | P-7(2-3') | P-8(0-1')      | P-8(10-12') | P-8(16-18') | P-9(0-1')   |
|--------------|-------|-------------|-------------|-------------|-----------|----------------|-------------|-------------|-------------|
| Actinium 228 | pCi/g | 1.82        | 0.54        | ND (0.94) U |           | 1.1            | 1.49        | 1.4         | 1.27        |
| Bismuth 212  | pCi/g | 1           | 0.9         | ND (3.4) U  |           | ND (2.1) U     | ND (2.2) U  | ND (2.6) U  | ND (2.3) U  |
| Bismuth 214  | pCi/g | 1.8         | 2.32        | 3.36        |           | 0.8            | 1.23        | 1.98        | 0.82        |
| Cesium 137   | pCi/g |             |             |             |           |                |             |             |             |
| Lead 210     | pCi/g | 1.3         | 2.9         | 5.1         |           | ND (2.0) U     | ND (3.0) U  | ND (2.9) U  | ND (3.2) U  |
| Lead 212     | pCi/g | 1.16        | 0.91        | 0.88        |           | 1.33           | 1.34        | 0.93        | 1.17        |
| Lead 214     | pCi/g | 1.64        | 1.98        | 3.17        |           | 0.76           | 1.19        | 1.9         | 0.72        |
| Potassium 40 | pCi/g | 27          | 20.7        | 19.4        |           | 21.8           | 27.6        | 28.2        | 27.8        |
| Radium 224   | pCi/g | 3.7         | 5.4         | 6.8         |           | 2.6            | 3           | 4.5         | 8.4         |
| Radium 226   | pCi/g | 3.80E+00    | 4.00E+00    | 2.29E+00    |           | ND (2.8E-01) U | 6.7E-01 J   | 3.8E-01 J   | 3.40E+00    |
| Radium 228   | pCi/g | 1.25489739  | 1.270070529 | 0.88595671  |           | 1.138289235    | 1.127309591 | 0.847807928 | 1.237496762 |
| Thallium 208 | pCi/g | 0.49        | 0.23        | 0.34        |           | 0.41           | 0.41        | 0.42        | 0.44        |
| Thorium 228  | pCi/g | 1.17        | 1.23        | 0.93 J      |           | 1.31           | 1.24        | 1.02        | 1.58        |
| Thorium 230  | pCi/g | 2.59        | 2.18        | 2.1         |           | 1.09           | 1.24        | 2.54        | 1.13        |
| Thorium 232  | pCi/g | 1.36        | 0.99        | 0.78 J      |           | 1.03           | 1.32        | 1.12        | 1.5         |
| Thorium 234  | pCi/g | 1.86        | 1.8         | ND (2.6) U  |           | 1.48           | 1.6         | 2.06        | ND (1.5) U  |
| Uranium 234  | pCi/g | 1.88        | 2.07        | 2.62        |           | 1.3            | 1.58        | 2.28        | 0.94 J      |
| Uranium 235  | pCi/g | 0.089       | 0.059       | 0.21 J      |           | ND (0.087) U   | ND (0.11) U | 0.103 J     | ND (0.13) U |
| Uranium 238  | pCi/g | 1.64        | 1.74        | 2.68        |           | 1.08           | 1.7         | 1.73        | 1.02        |

**TABLE D-9.8**  
**Summary of Soil Analytical Data**  
**Radionuclides**

| Parameter    | Units | P-9(6-8')       | S-1(0-1')   | S-1(10-12') | S-1(16-17')  | S-2(0-1')      | S-2(10-12') | S-2(18-20')  |
|--------------|-------|-----------------|-------------|-------------|--------------|----------------|-------------|--------------|
| Actinium 228 | pCi/g | 1.14            | 1.42        | 1.31        | ND (0.79) U  | 1.47           | 1.45        | 1.1          |
| Bismuth 212  | pCi/g | ND (2.1) U      | ND (2.0) U  | ND (2.0) U  | ND (2.5) U   | ND (2.0) U     | ND (2.2) U  | ND (1.8) U   |
| Bismuth 214  | pCi/g | 1.26            | 0.86        | 0.85        | 1.33         | 0.77           | 0.83        | 0.82         |
| Cesium 137   | pCi/g |                 |             |             |              |                |             |              |
| Lead 210     | pCi/g | ND (2.6) U      | ND (2.4) U  | ND (2.0) U  | ND (2.6) U   | ND (2.5) U     | ND (2.9) U  | ND (1.2) U   |
| Lead 212     | pCi/g | 1.23            | 1.26        | 1.3         | 1.02         | 1.32           | 0.99        | 1.12         |
| Lead 214     | pCi/g | 1.27            | 0.7         | 0.94        | 1.2          | 0.79           | 1.07        | 0.77         |
| Potassium 40 | pCi/g | 19.8            | 26.5        | 25.1        | 23.7         | 26.2           | 29.6        | 25.3         |
| Radium 224   | pCi/g | ND (2.3) U      | 3           | ND (2.2) U  | 3.7          | 2.7            | 6.3         | 2.3          |
| Radium 226   | pCi/g | 3.81E+00        | 1.98E+00    | 1.26E+00    | 1.76E+00     | ND (3.2E-01) U | 1.67E+00    | 1.09E+00     |
| Radium 228   | pCi/g | 0.73966573691 J | 1.297116357 | 1.451885935 | 0.815656816  | 1.623883522    | 1.257665251 | 1.539979741  |
| Thallium 208 | pCi/g | 0.4             | 0.46        | 0.51        | 0.31         | 0.49           | 0.53        | 0.38         |
| Thorium 228  | pCi/g | 1.26            | 1.49        | 1.59        | 0.61 J       | 1.56           | 1.45        | 1.43         |
| Thorium 230  | pCi/g | 1.51            | 1.26        | 1.21        | 1.26         | 0.80 J         | 1.33        | 0.98 J       |
| Thorium 232  | pCi/g | 1.19            | 1.41        | 1.57        | 1            | 1.25           | 1.34        | 1.51         |
| Thorium 234  | pCi/g | ND (1.4) U      | 1.34        | 1.65        | ND (1.4) U   | ND (1.4) U     | ND (1.4) U  | ND (0.90) U  |
| Uranium 234  | pCi/g | 1.27            | 0.88 J      | 1.03        | 0.88 J       | 0.84 J         | 1.16        | 1.11         |
| Uranium 235  | pCi/g | 0.048 J         | 0.093 J     | 0.085 J     | ND (0.065) U | ND (0.13) U    | 0.19 J      | ND (0.045) U |
| Uranium 238  | pCi/g | 0.90 J          | 1           | 0.94 J      | 0.73 J       | 0.96 J         | 0.78 J      | 0.95 J       |

**TABLE D-9.9**  
**Summary of Soil Analytical Data**  
**Asbestos**

| Parameter | Units | A-1(0-1') | A-1(10-12') | A-1(16-18') | A-2(0-1') | A-2(10-12') | A-2(19-21') | B-1(0-1') | B-1(10-12') |
|-----------|-------|-----------|-------------|-------------|-----------|-------------|-------------|-----------|-------------|
| Asbestos  | %     | ND (<0.1) | ND (<0.1)   | ND (<0.1)   | ND (<0.1) | ND (<0.1)   | ND (<0.1)   | ND (<0.1) | ND (<0.1)   |

**TABLE D-9.9**  
**Summary of Soil Analytical Data**  
**Asbestos**

| Parameter | Units | B-1(19-21') | B-2(0-1') | B-2(4-5') | B-3(0-1') | B-3(4-5') | DUP 1     | DUP 2     |
|-----------|-------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Asbestos  | %     | ND (<0.1)   | ND (<0.1) | ND (<0.1) | ND (<0.1) | ND (<0.1) | ND (<0.1) | ND (<0.1) |

**TABLE D-9.9**  
**Summary of Soil Analytical Data**  
**Asbestos**

| Parameter | Units | DUP 3     | E-1(0-1') | E-1(4-5') | E-2(0-1') | E-2(4-5') | E-2(6-8') | P-1(0-1') | P-1(10-12') |
|-----------|-------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------------|
| Asbestos  | %     | ND (<0.1) | ND (<0.1) | ND (<0.1) | ND (<0.1) | ND (<0.1) | ND (<0.1) | ND (<0.1) | ND (<0.1)   |

**TABLE D-9.9**  
**Summary of Soil Analytical Data**  
**Asbestos**

| Parameter | Units | P-1(18-20') | P-10(0-1') | P-10(10-11') | P-10(12-12 5') | P-10(16 5-17 5') | P-11(0-1') | P-11(15-17') |
|-----------|-------|-------------|------------|--------------|----------------|------------------|------------|--------------|
| Asbestos  | %     | ND (<0.1)   | ND (<0.1)  | ND (<0.1)    | ND (<0.1)      | ND (<0.1)        | ND (<0.1)  | ND (<0.1)    |

**TABLE D-9.9**  
**Summary of Soil Analytical Data**  
**Asbestos**

| Parameter | Units | P-11(4-5') | P-12(0-1') | P-12(15-17') | P-12(4-5') | P-13(0-1') | P-13(4-5') | P-14(0-1') | P-14(4-5') |
|-----------|-------|------------|------------|--------------|------------|------------|------------|------------|------------|
| Asbestos  | %     | ND (<0.1)  | ND (<0.1)  | ND (<0.1)    | ND (<0.1)  | ND (<0.1)  | ND (<0.1)  | ND (<0.1)  | ND (<0.1)  |

**TABLE D-9.9**  
**Summary of Soil Analytical Data**  
**Asbestos**

| Parameter | Units | P-15(0-1') | P-15(4-5') | P-16(0-1') | P-16(4-5') | P-17(0-1') | P-17(4-5') | P-17(6-8') | P-2(0-1') |
|-----------|-------|------------|------------|------------|------------|------------|------------|------------|-----------|
| Asbestos  | %     | ND (<0.1)  | ND (<0.1)  | ND (<0.1)  | ND (<0.1)  | ND (<0.1)  | ND (<0.1)  | ND (<0.1)  | ND (<0.1) |



**TABLE D-9.9**  
**Summary of Soil Analytical Data**  
**Asbestos**

| Parameter | Units | P-2(10-12') | P-2(16-18') | P-3(0-1') | P-3(10-12') | P-3(18-20') | P-4(0-1') | P-4(10-12') | P-4(20-22') |
|-----------|-------|-------------|-------------|-----------|-------------|-------------|-----------|-------------|-------------|
| Asbestos  | %     | ND (<0.1)   | ND (<0.1)   | ND (<0.1) | ND (<0.1)   | ND (<0.1)   | ND (<0.1) | ND (<0.1)   | ND (<0.1)   |

**TABLE D-9.9**  
**Summary of Soil Analytical Data**  
**Asbestos**

| Parameter | Units | P-5(0-1') | P-5(10-12') | P-5(16-18') | P-6(0-1') | P-6(10-12') | P-6(18-21') | P-7(0-1') |
|-----------|-------|-----------|-------------|-------------|-----------|-------------|-------------|-----------|
| Asbestos  | %     | ND (<0.1) | ND (<0.1)   | ND (<0.1)   | ND (<0.1) | ND (<0.1)   | ND (<0.1)   | ND (<0.1) |

**TABLE D-9.9**  
**Summary of Soil Analytical Data**  
**Asbestos**

| Parameter | Units | P-7(10-12') | P-7(18-20') | P-7(19-21') | P-7(2-3') | P-8(0-1') | P-8(10-12') | P-8(16-18') | P-9(0-1') |
|-----------|-------|-------------|-------------|-------------|-----------|-----------|-------------|-------------|-----------|
| Asbestos  | %     | ND (<0.1)   | ND (<0.1)   | ND (<0.1)   | ND (<0.1) | ND (<0.1) | ND (<0.1)   | ND (<0.1)   | ND (<0.1) |

**TABLE D-9.9**  
**Summary of Soil Analytical Data**  
**Asbestos**

| Parameter | Units | P-9(6-8') | S-1(0-1') | S-1(10-12') | S-1(16-17') | S-2(0-1') | S-2(10-12') | S-2(18-20') |
|-----------|-------|-----------|-----------|-------------|-------------|-----------|-------------|-------------|
| Asbestos  | %     | ND (<0.1) | ND (<0.1) | ND (<0.1)   | ND (<0.1)   | ND (<0.1) | ND (<0.1)   | ND (<0.1)   |

**TABLE D-9.10**  
**Summary of Soil Analytical Data**  
**Physical Indicators**

| Parameter            | Units | A-1(0-1') | A-1(10-12') | A-1(16-18') | A-2(0-1') | A-2(10-12') | A-2(19-21') | B-1(0-1') | B-1(10-12') |
|----------------------|-------|-----------|-------------|-------------|-----------|-------------|-------------|-----------|-------------|
| Percent Moisture     | %     | 7.8       | 6.7         | 39          | 4.9       | 4.8         | 7.5         | 5.4       | 9           |
| Total Organic Carbon | mg/kg | >2720     | >6930       | >44200      | >3410     | >3660       | 1470        | >7790     | >20300      |

**TABLE D-9.10**  
**Summary of Soil Analytical Data**  
**Physical Indicators**

| Parameter            | Units | B-1(19-21') | B-2(0-1') | B-2(4-5') | B-3(0-1') | B-3(4-5') | DUP 1 | DUP 2 |
|----------------------|-------|-------------|-----------|-----------|-----------|-----------|-------|-------|
| Percent Moisture     | %     | 25.1        | 11.8      | 4.9       | 4.2       | 11.6      | 25.5  | 6.8   |
| Total Organic Carbon | mg/kg | >24300      | >18000 J  | >2520 J   | >7380     | >9510     | >8160 | >2880 |

**TABLE D-9.10**  
**Summary of Soil Analytical Data**  
**Physical Indicators**

| Parameter            | Units | DUP 3 | E-1(0-1') | E-1(4-5') | E-2(0-1') | E-2(4-5') | E-2(6-8') | P-1(0-1') | P-1(10-12') |
|----------------------|-------|-------|-----------|-----------|-----------|-----------|-----------|-----------|-------------|
| Percent Moisture     | %     | 4.6   | 5.8       | 5.4       | 3.9       | 4.1       | 13.9      | 3.1       | 6.2         |
| Total Organic Carbon | mg/kg | >3390 | >2500     | >4910     | >2850     | >6420     | >11400    | >4810     | >3300       |

**TABLE D-9.10**  
**Summary of Soil Analytical Data**  
**Physical Indicators**

| Parameter            | Units | P-1(18-20') | P-10(0-1') | P-10(10-11') | P-10(12-12_5') | P-10(16_5-17_5') | P-11(0-1') | P-11(15-17') |
|----------------------|-------|-------------|------------|--------------|----------------|------------------|------------|--------------|
| Percent Moisture     | %     | 8.4         | 4.6        | 7.4          |                | 9.1              | 2.5        | 10.1         |
| Total Organic Carbon | mg/kg | >2770       | 1950       | >4720        |                | >3560            | 313 J      | >3600        |



**TABLE D-9.10**  
**Summary of Soil Analytical Data**  
**Physical Indicators**

| Parameter            | Units | P-11(4-5') | P-12(0-1') | P-12(15-17') | P-12(4-5') | P-13(0-1') | P-13(4-5') | P-14(0-1') | P-14(4-5') |
|----------------------|-------|------------|------------|--------------|------------|------------|------------|------------|------------|
| Percent Moisture     | %     | 4.1        | 6.3        | 8.4          | 2          | 8.7        | 6.2        | 5.4        | 10.4       |
| Total Organic Carbon | mg/kg | 1390 J     | 719        | >6540        | 1130       | >8840      | >3060      | >4800      | >9050      |

**TABLE D-9.10**  
**Summary of Soil Analytical Data**  
**Physical Indicators**

| Parameter            | Units | P-15(0-1') | P-15(4-5') | P-16(0-1') | P-16(4-5') | P-17(0-1') | P-17(4-5') | P-17(6-8') | P-2(0-1') |
|----------------------|-------|------------|------------|------------|------------|------------|------------|------------|-----------|
| Percent Moisture     | %     | 8.1        | 12         | 7.7        | 6.9        | 4.7        | 12.7       | 10         | 4.2       |
| Total Organic Carbon | mg/kg | >6400 J    | >17400 J   | >7480      | >4320      | >2430      | >15100     | >5000      | >3810     |

**TABLE D-9.10**  
**Summary of Soil Analytical Data**  
**Physical Indicators**

| Parameter            | Units | P-2(10-12') | P-2(16-18') | P-3(0-1') | P-3(10-12') | P-3(18-20') | P-4(0-1') | P-4(10-12') | P-4(20-22') |
|----------------------|-------|-------------|-------------|-----------|-------------|-------------|-----------|-------------|-------------|
| Percent Moisture     | %     | 9           | 7.9         | 5.5       | 6           | 8.4         | 2.8       | 5           | 8.5         |
| Total Organic Carbon | mg/kg | >9950       | >2810       | >3460     | >5670       | >2410       | >8150     | >6840       | >3260       |

**TABLE D-9.10**  
**Summary of Soil Analytical Data**  
**Physical Indicators**

| Parameter            | Units | P-5(0-1') | P-5(10-12') | P-5(16-18') | P-6(0-1') | P-6(10-12') | P-6(18-21') | P-7(0-1') |
|----------------------|-------|-----------|-------------|-------------|-----------|-------------|-------------|-----------|
| Percent Moisture     | %     | 6.3       | 8.1         | 11.2        | 5.9       | 5.8         | 11.9        | 8.4       |
| Total Organic Carbon | mg/kg | >4650     | >18200      | >4840       | >8300     | >4760       | >2840       | >3530     |

**TABLE D-9.10**  
**Summary of Soil Analytical Data**  
**Physical Indicators**

| Parameter            | Units | P-7(10-12') | P-7(18-20') | P-7(19-21') | P-7(2-3') | P-8(0-1') | P-8(10-12') | P-8(16-18') | P-9(0-1') |
|----------------------|-------|-------------|-------------|-------------|-----------|-----------|-------------|-------------|-----------|
| Percent Moisture     | %     | 17.6        | 30.9        | 16.5        |           | 9.5       | 5.8         | 12.8        | 5.4       |
| Total Organic Carbon | mg/kg | >8610       | >9790       | 467         |           | >6880     | >9600       | 1350        | >5050     |

**TABLE D-9.10**  
**Summary of Soil Analytical Data**  
**Physical Indicators**

| Parameter            | Units | P-9(6-8') | S-1(0-1') | S-1(10-12') | S-1(16-17') | S-2(0-1') | S-2(10-12') | S-2(18-20') |
|----------------------|-------|-----------|-----------|-------------|-------------|-----------|-------------|-------------|
| Percent Moisture     | %     | 9.6       | 3.6       | 5.2         | 6.9         | 5.4       | 7.6         | 22.2        |
| Total Organic Carbon | mg/kg | >5020     | >4490     | >5520       | 1600        | 898       | 6070        | 9090        |

**TABLE D-9.11**  
**Summary Field Quality Control Sample Data**

| Parameter              | 052201-WB01   | 052201-WB01 DUP | RINSE 3       | RINSE 3 DUP | TRIP BLANK | TRIP BLANK #1 | TRIP BLANK #2 |
|------------------------|---------------|-----------------|---------------|-------------|------------|---------------|---------------|
| Calcium                | 86.8 B        |                 | 121 B         |             |            |               |               |
| Potassium              | ND (1810) U   |                 | ND (1810) U   |             |            |               |               |
| Sodium                 | 195 B J       |                 | 264 B J       |             |            |               |               |
| 1,2,3,4,6,7,8-HpCDD    | ND (3.9) U    |                 | ND (3.9) U    |             |            |               |               |
| 1,2,3,4,6,7,8-HpCDF    | ND (3.9) U    |                 | ND (3.9) U    |             |            |               |               |
| 1,2,3,4,7,8,9-HpCDF    | ND (5.1) U    |                 | ND (5.1) U    |             |            |               |               |
| 1,2,3,4,7,8-HxCDD      | ND (7.3) U    |                 | ND (7.3) U    |             |            |               |               |
| 1,2,3,4,7,8-HxCDF      | ND (4.0) U    |                 | ND (4.0) U    |             |            |               |               |
| 1,2,3,6,7,8-HxCDD      | ND (6.2) U    |                 | ND (6.2) U    |             |            |               |               |
| 1,2,3,6,7,8-HxCDF      | ND (7.1) U    |                 | ND (7.1) U    |             |            |               |               |
| 1,2,3,7,8,9-HxCDD      | ND (7.8) U    |                 | ND (7.8) U    |             |            |               |               |
| 1,2,3,7,8,9-HxCDF      | ND (8.0) U    |                 | ND (8.0) U    |             |            |               |               |
| 1,2,3,7,8-PeCDD        | ND (6.6) U    |                 | ND (6.6) U    |             |            |               |               |
| 1,2,3,7,8-PeCDF        | ND (6.0) U    |                 | ND (6.0) U    |             |            |               |               |
| 2,3,4,6,7,8-HxCDF      | ND (6.1) U    |                 | ND (6.1) U    |             |            |               |               |
| 2,3,4,7,8-PeCDF        | ND (4.9) U    |                 | ND (4.9) U    |             |            |               |               |
| 2,3,7,8-TCDD           | ND (1.2) U    |                 | ND (1.2) U    |             |            |               |               |
| 2,3,7,8-TCDF           | ND (1.9) U    |                 | ND (1.9) U    |             |            |               |               |
| OCDD                   | ND (16) U     |                 | ND (16) U     |             |            |               |               |
| OCDF                   | ND (12) U     |                 | ND (12) U     |             |            |               |               |
| Chloride               | ND (0.010) U  |                 | ND (0.010) U  |             |            |               |               |
| Conductivity           | 4.0 J         |                 | 16.7 J        |             |            |               |               |
| Fluoride               | ND (0.0060) U |                 | ND (0.0060) U |             |            |               |               |
| Hardness, Total        | ND (4.9) U    | ND (4.9) U      | ND (4.9) U    | ND (4.9) U  |            |               |               |
| Nitrate                | ND (0.0020) U |                 | ND (0.0020) U |             |            |               |               |
| pH (liquid)            | 7             |                 | 6             |             |            |               |               |
| Phosphate as P, Ortho  | ND (0.035) U  |                 | ND (0.035) U  |             |            |               |               |
| Sulfate                | 0.29 B        |                 | ND (0.029) U  |             |            |               |               |
| Total Alkalinity       | ND (1.7) U    |                 | ND (1.7) U    |             |            |               |               |
| Total Dissolved Solids | 6990          |                 | ND (4.2) U    | ND (4.2) U  |            |               |               |
| Turbidity              | ND (0.42) U   | ND (0.42) U     | ND (0.42) U   |             |            |               |               |
| Aluminum               | ND (26.5) U   | ND (26.5) U     | ND (26.5) U   |             |            |               |               |

**TABLE D-9.11**  
**Summary Field Quality Control Sample Data**

| Parameter     | 052201-WB01   | 052201-WB01 DUP | RINSE 3       | RINSE 3 DUP | TRIP BLANK | TRIP BLANK #1 | TRIP BLANK #2 |
|---------------|---------------|-----------------|---------------|-------------|------------|---------------|---------------|
| Antimony      | ND (1.6) U    |                 | ND (1.6) U    |             |            |               |               |
| Arsenic       | ND (0.22) U   |                 | 74            |             |            |               |               |
| Barium        | ND (2.0) U    |                 | 210           |             |            |               |               |
| Beryllium     | ND (0.10) U   |                 | 0.35 B        |             |            |               |               |
| Cadmium       | ND (0.12) U   |                 | 2.3 B         |             |            |               |               |
| Cobalt        | ND (0.0090) U |                 | ND (0.0090) U |             |            |               |               |
| Copper        | ND (19.5) U   |                 | ND (19.5) U   |             |            |               |               |
| Iron          | ND (30.3) U   |                 | ND (30.3) U   |             |            |               |               |
| Lead          | ND (0.43) U   |                 | 2.6 B         |             |            |               |               |
| Magnesium     | ND (225) U    |                 | ND (101) U    |             |            |               |               |
| Manganese     | 0.17 B J      |                 | 246 J         |             |            |               |               |
| Mercury       | ND (0.035) U  |                 | ND (0.035) U  |             |            |               |               |
| Molybdenum    | ND (2.0) U    |                 | 608           |             |            |               |               |
| Nickel        | ND (2.0) U    |                 | 24.5 B        |             |            |               |               |
| Selenium      | ND (0.40) U   |                 | 57.2          |             |            |               |               |
| Silver        | ND (0.062) U  |                 | 0.28 B J      |             |            |               |               |
| Thallium      | ND (0.022) U  |                 | ND (0.022) U  |             |            |               |               |
| Thorium       | ND (0.96) U   |                 | 1.6 B         |             |            |               |               |
| Titanium      | 1.0 B         |                 | 207           |             |            |               |               |
| Vanadium      | ND (0.054) U  |                 | 36.4 B        |             |            |               |               |
| Zinc          | ND (4.2) U    |                 | ND (4.2) U    |             |            |               |               |
| Perchlorate   | ND (2.0) U    |                 | ND (2.0) U    |             |            |               |               |
| Total Cyanide | ND (2.5) U    |                 | ND (2.5) U    |             |            |               |               |
| Aroclor 1016  | ND (0.68) U   |                 | ND (0.68) U   |             |            |               |               |
| Aroclor 1221  | ND (0.68) U   |                 | ND (0.68) U   |             |            |               |               |
| Aroclor 1232  | ND (0.68) U   |                 | ND (0.68) U   |             |            |               |               |
| Aroclor 1242  | ND (0.68) U   |                 | ND (0.68) U   |             |            |               |               |
| Aroclor 1248  | ND (0.68) U   |                 | ND (0.68) U   |             |            |               |               |
| Aroclor 1254  | ND (0.50) U   |                 | ND (0.50) U   |             |            |               |               |
| Aroclor 1260  | ND (0.50) U   |                 | ND (0.50) U   |             |            |               |               |
| 4,4'-DDD      | ND (0.040) U  |                 | ND (0.040) U  |             |            |               |               |
| 4,4'-DDE      | ND (0.050) U  |                 | ND (0.050) U  |             |            |               |               |



**TABLE D-9.11**  
**Summary Field Quality Control Sample Data**

| Parameter          | 052201-WB01  | 052201-WB01 DUP | RINSE 3      | RINSE 3 DUP | TRIP BLANK | TRIP BLANK #1 | TRIP BLANK #2 |
|--------------------|--------------|-----------------|--------------|-------------|------------|---------------|---------------|
| 4,4'-DDT           | ND (0.050) U |                 | ND (0.050) U |             |            |               |               |
| Aldrin             | ND (0.020) U |                 | ND (0.020) U |             |            |               |               |
| alpha-BHC          | ND (0.020) U |                 | ND (0.020) U |             |            |               |               |
| alpha-Chlordane    | ND (0.020) U |                 | ND (0.020) U |             |            |               |               |
| Azinphos-methyl    | ND (0.073) U |                 | ND (0.073) U |             |            |               |               |
| beta-BHC           | ND (0.020) U |                 | ND (0.020) U |             |            |               |               |
| Bolstar            | ND (0.044) U |                 | ND (0.044) U |             |            |               |               |
| Chlorpyrifos       | ND (0.051) U |                 | ND (0.051) U |             |            |               |               |
| Coumaphos          | ND (0.074) U |                 | ND (0.074) U |             |            |               |               |
| delta-BHC          | ND (0.040) U |                 | ND (0.040) U |             |            |               |               |
| Demeton (total)    | ND (0.44) U  |                 | ND (0.44) U  |             |            |               |               |
| Diazinon           | ND (0.061) U |                 | ND (0.061) U |             |            |               |               |
| Dichlorvos         | ND (0.17) U  |                 | ND (0.17) U  |             |            |               |               |
| Dieldrin           | ND (0.040) U |                 | ND (0.040) U |             |            |               |               |
| Dimethoate         | ND (0.096) U |                 | ND (0.096) U |             |            |               |               |
| Disulfoton         | ND (0.20) U  |                 | ND (0.20) U  |             |            |               |               |
| Endosulfan I       | ND (0.020) U |                 | ND (0.020) U |             |            |               |               |
| Endosulfan II      | ND (0.030) U |                 | ND (0.030) U |             |            |               |               |
| Endosulfan sulfate | ND (0.040) U |                 | ND (0.040) U |             |            |               |               |
| Endrin             | ND (0.040) U |                 | ND (0.040) U |             |            |               |               |
| Endrin aldehyde    | ND (0.030) U |                 | ND (0.030) U |             |            |               |               |
| Endrin ketone      | ND (0.030) U |                 | ND (0.030) U |             |            |               |               |
| Ethoprop           | ND (0.12) U  |                 | ND (0.12) U  |             |            |               |               |
| Ethyl parathion    | ND (0.077) U |                 | ND (0.077) U |             |            |               |               |
| Famphur            | ND (0.16) U  |                 | ND (0.16) U  |             |            |               |               |
| Fensulfothion      | ND (0.11) U  |                 | ND (0.11) U  |             |            |               |               |
| Fenthion           | ND (0.19) U  |                 | ND (0.19) U  |             |            |               |               |
| gamma-Chlordane    | ND (0.050) U |                 | ND (0.050) U |             |            |               |               |
| Heptachlor         | ND (0.020) U |                 | ND (0.020) U |             |            |               |               |
| Heptachlor epoxide | ND (0.030) U |                 | ND (0.030) U |             |            |               |               |
| Malathion          | ND (0.11) U  |                 | ND (0.11) U  |             |            |               |               |
| Merphos            | ND (1.0) U   |                 | ND (1.0) U   |             |            |               |               |

**TABLE D-9.11**  
**Summary Field Quality Control Sample Data**

| Parameter              | 052201-WB01  | 052201-WB01 DUP | RINSE 3      | RINSE 3 DUP | TRIP BLANK  | TRIP BLANK #1 | TRIP BLANK #2 |
|------------------------|--------------|-----------------|--------------|-------------|-------------|---------------|---------------|
| Methoxychlor           | ND (0.070) U |                 | ND (0.070) U |             |             |               |               |
| Methyl parathion       | ND (0.078) U |                 | ND (0.078) U |             |             |               |               |
| Mevinphos              | ND (0.097) U |                 | ND (0.097) U |             |             |               |               |
| Naled                  | ND (1.1) U   |                 | ND (1.1) U   |             |             |               |               |
| Phorate                | ND (0.078) U |                 | ND (0.078) U |             |             |               |               |
| Ronnel                 | ND (0.097) U |                 | ND (0.097) U |             |             |               |               |
| Sulfotepp              | ND (0.044) U |                 | ND (0.044) U |             |             |               |               |
| Thionazin              | ND (0.068) U |                 | ND (0.068) U |             |             |               |               |
| Tokuthion              | ND (0.092) U |                 | ND (0.092) U |             |             |               |               |
| Toxaphene              | ND (1.6) U   |                 | ND (1.6) U   |             |             |               |               |
| Trichloronate          | ND (0.075) U |                 | ND (0.075) U |             |             |               |               |
| Actinium 228           | ND (41) U    |                 | ND (68) U    |             |             |               |               |
| Bismuth 212            | ND (180) U   |                 | ND (190) U   |             |             |               |               |
| Bismuth 214            | ND (23) U    |                 | ND (32) U    |             |             |               |               |
| Cesium 137             | ND (12) U    |                 | ND (16) U    |             |             |               |               |
| Lead 210               | ND (160) U   |                 | 227          |             |             |               |               |
| Lead 212               | ND (16) U    |                 | ND (20) U    |             |             |               |               |
| Lead 214               | ND (19) U    |                 | ND (29) U    |             |             |               |               |
| Potassium 40           | ND (140) U   |                 | ND (200) U   |             |             |               |               |
| Radium 224             | ND (150) U   |                 | ND (210) U   |             |             |               |               |
| Radium 228             | ND (0.93) U  |                 | ND (1.3) U   |             |             |               |               |
| Thallium 208           | ND (13) U    |                 | ND (16) U    |             |             |               |               |
| Thorium 228            | ND (0.47) U  |                 | ND (0.35) U  |             |             |               |               |
| Thorium 230            | 0.49 J       |                 | 0.87 J       |             |             |               |               |
| Thorium 232            | 0.30 J       |                 | ND (0.19) U  |             |             |               |               |
| Thorium 234            | ND (100) U   |                 | ND (110) U   |             |             |               |               |
| Uranium 234            | 0.43 J       | 0.43 J          | ND (0.13) U  |             |             |               |               |
| Uranium 235            | ND (0.17) U  | ND (0.09) U     | ND (0.19) U  |             |             |               |               |
| Uranium 238            | ND (0.14) U  | ND (0.11) U     | ND (0.13) U  |             |             |               |               |
| 1,2,4-Trichlorobenzene | ND (0.97) U  |                 | ND (0.97) U  |             |             |               |               |
| 1,2-Dichlorobenzene    | ND (0.89) U  |                 | ND (0.89) U  |             | ND (0.35) U | ND (0.35) U   | ND (0.35) U   |
| 1,3-Dichlorobenzene    | ND (0.90) U  |                 | ND (0.90) U  |             | ND (0.44) U | ND (0.44) U   | ND (0.44) U   |

**TABLE D-9.11**  
**Summary Field Quality Control Sample Data**

| Parameter                    | 052201-WB01 | 052201-WB01 DUP | RINSE 3     | RINSE 3 DUP | TRIP BLANK  | TRIP BLANK #1 | TRIP BLANK #2 |
|------------------------------|-------------|-----------------|-------------|-------------|-------------|---------------|---------------|
| 1,4-Dichlorobenzene          | ND (0.93) U |                 | ND (0.93) U |             | ND (0.30) U | ND (0.30) U   | ND (0.30) U   |
| 2,2'-oxybis(1-Chloropropane) | ND (1.2) U  |                 | ND (1.2) U  |             |             |               |               |
| 2,4,5-Trichlorophenol        | ND (0.78) U |                 | ND (0.78) U |             |             |               |               |
| 2,4,6-Trichlorophenol        | ND (0.66) U |                 | ND (0.66) U |             |             |               |               |
| 2,4-Dichlorophenol           | ND (1.0) U  |                 | ND (1.0) U  |             |             |               |               |
| 2,4-Dimethylphenol           | ND (0.97) U |                 | ND (0.97) U |             |             |               |               |
| 2,4-Dinitrophenol            | ND (0.97) U |                 | ND (0.97) U |             |             |               |               |
| 2,4-Dinitrotoluene           | ND (0.68) U |                 | ND (0.68) U |             |             |               |               |
| 2,6-Dinitrotoluene           | ND (0.71) U |                 | ND (0.71) U |             |             |               |               |
| 2-Chloronaphthalene          | ND (0.98) U |                 | ND (0.98) U |             |             |               |               |
| 2-Chlorophenol               | ND (1.1) U  |                 | ND (1.1) U  |             |             |               |               |
| 2-Methylnaphthalene          | ND (1.0) U  |                 | ND (1.0) U  |             |             |               |               |
| 2-Methylphenol               | ND (1.0) U  |                 | ND (1.0) U  |             |             |               |               |
| 2-Nitroaniline               | ND (0.59) U |                 | ND (0.59) U |             |             |               |               |
| 2-Nitrophenol                | ND (1.2) U  |                 | ND (1.2) U  |             |             |               |               |
| 3,3'-Dichlorobenzidine       | ND (0.55) U |                 | ND (0.55) U |             |             |               |               |
| 3-Nitroaniline               | ND (0.50) U |                 | ND (0.50) U |             |             |               |               |
| 4,6-Dinitro-2-methylphenol   | ND (1.7) U  |                 | ND (1.7) U  |             |             |               |               |
| 4-Bromophenyl phenyl ether   | ND (0.78) U |                 | ND (0.78) U |             |             |               |               |
| 4-Chloro-3-methylphenol      | ND (0.84) U |                 | ND (0.84) U |             |             |               |               |
| 4-Chloroaniline              | ND (0.88) U |                 | ND (0.88) U |             |             |               |               |
| 4-Chlorophenyl phenyl ether  | ND (1.0) U  |                 | ND (1.0) U  |             |             |               |               |
| 4-Methylphenol               | ND (0.77) U |                 | ND (0.77) U |             |             |               |               |
| 4-Nitroaniline               | ND (0.87) U |                 | ND (0.87) U |             |             |               |               |
| 4-Nitrophenol                | ND (0.48) U |                 | ND (0.48) U |             |             |               |               |
| Acenaphthene                 | ND (0.87) U |                 | ND (0.87) U |             |             |               |               |
| Acenaphthylene               | ND (0.98) U |                 | ND (0.98) U |             |             |               |               |
| Anthracene                   | ND (0.48) U |                 | ND (0.48) U |             |             |               |               |
| Benzo(a)anthracene           | ND (0.58) U |                 | ND (0.58) U |             |             |               |               |
| Benzo(a)pyrene               | ND (0.60) U |                 | ND (0.60) U |             |             |               |               |
| Benzo(b)fluoranthene         | ND (0.88) U |                 | ND (0.88) U |             |             |               |               |
| Benzo(ghi)perylene           | ND (0.95) U |                 | ND (0.95) U |             |             |               |               |

**TABLE D-9.11**  
**Summary Field Quality Control Sample Data**

| Parameter                  | 052201-WB01 | 052201-WB01 DUP | RINSE 3     | RINSE 3 DUP | TRIP BLANK  | TRIP BLANK #1 | TRIP BLANK #2 |
|----------------------------|-------------|-----------------|-------------|-------------|-------------|---------------|---------------|
| Benzo(k)fluoranthene       | ND (0.74) U |                 | ND (0.74) U |             |             |               |               |
| bis(2-Chloroethoxy)methane | ND (1.1) U  |                 | ND (1.1) U  |             |             |               |               |
| bis(2-Chloroethyl) ether   | ND (1.1) U  |                 | ND (1.1) U  |             |             |               |               |
| Butyl benzyl phthalate     | ND (0.72) U |                 | ND (0.72) U |             |             |               |               |
| Carbazole                  | ND (1.9) U  |                 | ND (1.9) U  |             |             |               |               |
| Chrysene                   | ND (0.42) U |                 | ND (0.42) U |             |             |               |               |
| Dibenzo(a,h)anthracene     | ND (1.4) U  |                 | ND (1.4) U  |             |             |               |               |
| Dibenzofuran               | ND (0.77) U |                 | ND (0.77) U |             |             |               |               |
| Diethyl phthalate          | ND (1.5) U  |                 | ND (1.5) U  |             |             |               |               |
| Dimethyl phthalate         | ND (3.0) U  |                 | ND (3.0) U  |             |             |               |               |
| Di-n-butyl phthalate       | ND (1.3) U  |                 | ND (1.3) U  |             |             |               |               |
| Di-n-octyl phthalate       | ND (1.3) U  |                 | ND (1.3) U  |             |             |               |               |
| Fluoranthene               | ND (0.60) U |                 | ND (0.60) U |             |             |               |               |
| Fluorene                   | ND (0.72) U |                 | ND (0.72) U |             |             |               |               |
| Hexachlorobenzene          | ND (0.58) U |                 | ND (0.58) U |             |             |               |               |
| Hexachlorobutadiene        | ND (0.91) U |                 | ND (0.91) U |             |             |               |               |
| Hexachlorocyclopentadiene  | ND (0.91) U |                 | ND (0.91) U |             |             |               |               |
| Hexachloroethane           | ND (0.86) U |                 | ND (0.86) U |             |             |               |               |
| Indeno(1,2,3-cd)pyrene     | ND (0.61) U |                 | ND (0.61) U |             |             |               |               |
| Isophorone                 | ND (0.86) U |                 | ND (0.86) U |             |             |               |               |
| Naphthalene                | ND (1.1) U  |                 | ND (1.1) U  |             |             |               |               |
| Nitrobenzene               | ND (1.0) U  |                 | ND (1.0) U  |             |             |               |               |
| N-Nitrosodi-n-propylamine  | ND (0.90) U |                 | ND (0.90) U |             |             |               |               |
| N-Nitrosodiphenylamine     | ND (0.45) U |                 | ND (0.45) U |             |             |               |               |
| Pentachlorophenol          | ND (0.87) U |                 | ND (0.87) U |             |             |               |               |
| Phenanthrene               | ND (0.46) U |                 | ND (0.46) U |             |             |               |               |
| Phenol                     | ND (0.55) U |                 | ND (0.55) U |             |             |               |               |
| Pyrene                     | ND (0.71) U |                 | ND (0.71) U |             |             |               |               |
| 1,1,1-Trichloroethane      | ND (0.44) U |                 | ND (0.44) U | ND (0.44) U | ND (0.44) U | ND (0.44) U   | ND (0.44) U   |
| 1,1,2,2-Tetrachloroethane  | ND (0.44) U |                 | ND (0.44) U | ND (0.44) U | ND (0.44) U | ND (0.44) U   | ND (0.44) U   |
| 1,1,2-Trichloroethane      | ND (0.43) U |                 | ND (0.43) U | ND (0.43) U | ND (0.43) U | ND (0.43) U   | ND (0.43) U   |
| 1,1-Dichloroethane         | ND (0.38) U |                 | ND (0.38) U | ND (0.38) U | ND (0.38) U | ND (0.38) U   | ND (0.38) U   |

**TABLE D-9.11**  
**Summary Field Quality Control Sample Data**

| Parameter                 | 052201-WB01 | 052201-WB01 DUP | RINSE 3     | RINSE 3 DUP | TRIP BLANK  | TRIP BLANK #1 | TRIP BLANK #2 |
|---------------------------|-------------|-----------------|-------------|-------------|-------------|---------------|---------------|
| 1,1-Dichloroethene        | ND (1.3) U  |                 | ND (1.3) U  |             | ND (1.3) U  | ND (1.3) U    | ND (1.3) U    |
| 1,2-Dichloroethane        | ND (0.43) U |                 | ND (0.43) U |             | ND (0.43) U | ND (0.43) U   | ND (0.43) U   |
| 1,2-Dichloropropane       | ND (0.21) U |                 | ND (0.21) U |             | ND (0.21) U | ND (0.21) U   | ND (0.21) U   |
| 2-Butanone                | ND (6.6) U  |                 | ND (6.6) U  |             | ND (6.6) U  | ND (6.6) U    | ND (6.6) U    |
| 2-Hexanone                | ND (1.7) U  |                 | ND (1.7) U  |             | ND (1.7) U  | ND (1.7) U    | ND (1.7) U    |
| 4-Methyl-2-pentanone      | ND (1.3) U  |                 | ND (1.3) U  |             | ND (1.3) U  | ND (1.3) U    | ND (1.3) U    |
| Acetone                   | ND (2.6) U  |                 | ND (2.6) U  |             | ND (2.6) U  | ND (2.6) U    | 8.6 J         |
| Benzene                   | ND (0.37) U |                 | ND (0.37) U |             | ND (0.37) U | ND (0.37) U   | ND (0.37) U   |
| Bromodichloromethane      | ND (0.45) U |                 | ND (0.45) U |             | ND (0.45) U | ND (0.45) U   | ND (0.45) U   |
| Bromoform                 | ND (0.62) U |                 | ND (0.62) U |             | ND (0.62) U | ND (0.62) U   | ND (0.62) U   |
| Bromomethane              | ND (0.60) U |                 | ND (0.60) U |             | ND (0.60) U | ND (0.60) U   | ND (0.60) U   |
| Carbon disulfide          | ND (0.46) U |                 | ND (0.46) U |             | ND (0.46) U | 4.2 J         | 40            |
| Carbon tetrachloride      | ND (0.65) U |                 | ND (0.65) U |             | ND (0.65) U | ND (0.65) U   | ND (0.65) U   |
| Chlorobenzene             | ND (0.34) U |                 | ND (0.34) U |             | ND (0.34) U | ND (0.34) U   | ND (0.34) U   |
| Chloroethane              | ND (2.2) U  |                 | ND (2.2) U  |             | ND (2.2) U  | ND (2.2) U    | ND (2.2) U    |
| Chloroform                | ND (0.24) U |                 | ND (0.24) U |             | ND (0.24) U | ND (0.24) U   | ND (0.24) U   |
| Chloromethane             | ND (0.77) U |                 | ND (0.77) U |             | ND (0.77) U | ND (0.77) U   | ND (0.77) U   |
| cis-1,2-Dichloroethene    | ND (0.50) U |                 | ND (0.50) U |             | ND (0.50) U | ND (0.50) U   | ND (0.50) U   |
| cis-1,3-Dichloropropene   | ND (0.52) U |                 | ND (0.52) U |             | ND (0.52) U | ND (0.52) U   | ND (0.52) U   |
| Dibromochloromethane      | ND (0.38) U |                 | ND (0.38) U |             | ND (0.38) U | ND (0.38) U   | ND (0.38) U   |
| Ethylbenzene              | ND (0.89) U |                 | ND (0.89) U |             | ND (0.89) U | ND (0.89) U   | ND (0.89) U   |
| Methylene chloride        | ND (0.53) U |                 | ND (0.53) U |             | ND (0.53) U | 2.8 J         | 6.6           |
| Styrene                   | ND (0.37) U |                 | ND (0.37) U |             | ND (0.37) U | ND (0.37) U   | ND (0.37) U   |
| Tetrachloroethene         | ND (0.36) U |                 | ND (0.36) U |             | ND (0.36) U | ND (0.36) U   | ND (0.36) U   |
| Toluene                   | ND (0.54) U |                 | ND (0.54) U |             | ND (0.54) U | ND (0.54) U   | ND (0.54) U   |
| trans-1,2-Dichloroethene  | ND (0.44) U |                 | ND (0.44) U |             | ND (0.44) U | ND (0.44) U   | ND (0.44) U   |
| trans-1,3-Dichloropropene | ND (0.31) U |                 | ND (0.31) U |             | ND (0.31) U | ND (0.31) U   | ND (0.31) U   |
| Trichloroethene           | ND (0.31) U |                 | ND (0.31) U |             | ND (0.31) U | ND (0.31) U   | ND (0.31) U   |
| Trichlorofluoromethane    | ND (0.70) U |                 | ND (0.70) U |             | ND (0.70) U | ND (0.70) U   | ND (0.70) U   |
| Vinyl acetate             | ND (0.56) U |                 | ND (0.56) U |             | ND (0.56) U | ND (0.56) U   | ND (0.56) U   |
| Vinyl chloride            | ND (0.79) U |                 | ND (0.79) U |             | ND (0.79) U | ND (0.79) U   | ND (0.79) U   |
| Xylenes (total)           | ND (1.1) U  |                 | ND (1.1) U  |             | ND (1.1) U  | ND (1.1) U    | ND (1.1) U    |

**TABLE D-9.11**  
**Summary Field Quality Control Sample Data**

| Parameter              | 052201-WB01   | TRIP BLANK #3 | TRIP BLANK- COC 057744 | TRIP BLANK-COC 057712 | TRIP BLANK-COC 057719 |
|------------------------|---------------|---------------|------------------------|-----------------------|-----------------------|
| Calcium                | 86.8 B        |               |                        |                       |                       |
| Potassium              | ND (1810) U   |               |                        |                       |                       |
| Sodium                 | 195 B J       |               |                        |                       |                       |
| 1,2,3,4,6,7,8-HpCDD    | ND (3.9) U    |               |                        |                       |                       |
| 1,2,3,4,6,7,8-HpCDF    | ND (3.9) U    |               |                        |                       |                       |
| 1,2,3,4,7,8,9-HpCDF    | ND (5.1) U    |               |                        |                       |                       |
| 1,2,3,4,7,8-HxCDD      | ND (7.3) U    |               |                        |                       |                       |
| 1,2,3,4,7,8-HxCDF      | ND (4.0) U    |               |                        |                       |                       |
| 1,2,3,6,7,8-HxCDD      | ND (6.2) U    |               |                        |                       |                       |
| 1,2,3,6,7,8-HxCDF      | ND (7.1) U    |               |                        |                       |                       |
| 1,2,3,7,8,9-HxCDD      | ND (7.8) U    |               |                        |                       |                       |
| 1,2,3,7,8,9-HxCDF      | ND (8.0) U    |               |                        |                       |                       |
| 1,2,3,7,8-PeCDD        | ND (6.6) U    |               |                        |                       |                       |
| 1,2,3,7,8-PeCDF        | ND (6.0) U    |               |                        |                       |                       |
| 2,3,4,6,7,8-HxCDF      | ND (6.1) U    |               |                        |                       |                       |
| 2,3,4,7,8-PeCDF        | ND (4.9) U    |               |                        |                       |                       |
| 2,3,7,8-TCDD           | ND (1.2) U    |               |                        |                       |                       |
| 2,3,7,8-TCDF           | ND (1.9) U    |               |                        |                       |                       |
| OCDD                   | ND (16) U     |               |                        |                       |                       |
| OCDF                   | ND (12) U     |               |                        |                       |                       |
| Chloride               | ND (0.010) U  |               |                        |                       |                       |
| Conductivity           | 4.0 J         |               |                        |                       |                       |
| Fluoride               | ND (0.0060) U |               |                        |                       |                       |
| Hardness, Total        | ND (4.9) U    |               |                        |                       |                       |
| Nitrate                | ND (0.0020) U |               |                        |                       |                       |
| pH (liquid)            | 7             |               |                        |                       |                       |
| Phosphate as P, Ortho  | ND (0.035) U  |               |                        |                       |                       |
| Sulfate                | 0.29 B        |               |                        |                       |                       |
| Total Alkalinity       | ND (1.7) U    |               |                        |                       |                       |
| Total Dissolved Solids | 6990          |               |                        |                       |                       |
| Turbidity              | ND (0.42) U   |               |                        |                       |                       |
| Aluminum               | ND (26.5) U   |               |                        |                       |                       |

**TABLE D-9.11**  
**Summary Field Quality Control Sample Data**

| Parameter     | 052201-WB01   | TRIP BLANK #3 | TRIP BLANK- COC 057744 | TRIP BLANK-COC 057712 | TRIP BLANK-COC 057719 |
|---------------|---------------|---------------|------------------------|-----------------------|-----------------------|
| Antimony      | ND (1.6) U    |               |                        |                       |                       |
| Arsenic       | ND (0.22) U   |               |                        |                       |                       |
| Barium        | ND (2.0) U    |               |                        |                       |                       |
| Beryllium     | ND (0.10) U   |               |                        |                       |                       |
| Cadmium       | ND (0.12) U   |               |                        |                       |                       |
| Cobalt        | ND (0.0090) U |               |                        |                       |                       |
| Copper        | ND (19.5) U   |               |                        |                       |                       |
| Iron          | ND (30.3) U   |               |                        |                       |                       |
| Lead          | ND (0.43) U   |               |                        |                       |                       |
| Magnesium     | ND (225) U    |               |                        |                       |                       |
| Manganese     | 0.17 B J      |               |                        |                       |                       |
| Mercury       | ND (0.035) U  |               |                        |                       |                       |
| Molybdenum    | ND (2.0) U    |               |                        |                       |                       |
| Nickel        | ND (2.0) U    |               |                        |                       |                       |
| Selenium      | ND (0.40) U   |               |                        |                       |                       |
| Silver        | ND (0.062) U  |               |                        |                       |                       |
| Thallium      | ND (0.022) U  |               |                        |                       |                       |
| Thorium       | ND (0.96) U   |               |                        |                       |                       |
| Titanium      | 1.0 B         |               |                        |                       |                       |
| Vanadium      | ND (0.054) U  |               |                        |                       |                       |
| Zinc          | ND (4.2) U    |               |                        |                       |                       |
| Perchlorate   | ND (2.0) U    |               |                        |                       |                       |
| Total Cyanide | ND (2.5) U    |               |                        |                       |                       |
| Aroclor 1016  | ND (0.68) U   |               |                        |                       |                       |
| Aroclor 1221  | ND (0.68) U   |               |                        |                       |                       |
| Aroclor 1232  | ND (0.68) U   |               |                        |                       |                       |
| Aroclor 1242  | ND (0.68) U   |               |                        |                       |                       |
| Aroclor 1248  | ND (0.68) U   |               |                        |                       |                       |
| Aroclor 1254  | ND (0.50) U   |               |                        |                       |                       |
| Aroclor 1260  | ND (0.50) U   |               |                        |                       |                       |
| 4,4'-DDD      | ND (0.040) U  |               |                        |                       |                       |
| 4,4'-DDE      | ND (0.050) U  |               |                        |                       |                       |

**TABLE D-9.11**  
**Summary Field Quality Control Sample Data**

| Parameter          | 052201-WB01  | TRIP BLANK #3 | TRIP BLANK-COC 057744 | TRIP BLANK-COC 057712 | TRIP BLANK-COC 057719 |
|--------------------|--------------|---------------|-----------------------|-----------------------|-----------------------|
| 4,4'-DDT           | ND (0.050) U |               |                       |                       |                       |
| Aldrin             | ND (0.020) U |               |                       |                       |                       |
| alpha-BHC          | ND (0.020) U |               |                       |                       |                       |
| alpha-Chlordane    | ND (0.020) U |               |                       |                       |                       |
| Azinphos-methyl    | ND (0.073) U |               |                       |                       |                       |
| beta-BHC           | ND (0.020) U |               |                       |                       |                       |
| Bolstar            | ND (0.044) U |               |                       |                       |                       |
| Chlorpyrifos       | ND (0.051) U |               |                       |                       |                       |
| Coumaphos          | ND (0.074) U |               |                       |                       |                       |
| delta-BHC          | ND (0.040) U |               |                       |                       |                       |
| Demeton (total)    | ND (0.44) U  |               |                       |                       |                       |
| Diazinon           | ND (0.061) U |               |                       |                       |                       |
| Dichlorvos         | ND (0.17) U  |               |                       |                       |                       |
| Dieldrin           | ND (0.040) U |               |                       |                       |                       |
| Dimethoate         | ND (0.096) U |               |                       |                       |                       |
| Disulfoton         | ND (0.20) U  |               |                       |                       |                       |
| Endosulfan I       | ND (0.020) U |               |                       |                       |                       |
| Endosulfan II      | ND (0.030) U |               |                       |                       |                       |
| Endosulfan sulfate | ND (0.040) U |               |                       |                       |                       |
| Endrin             | ND (0.040) U |               |                       |                       |                       |
| Endrin aldehyde    | ND (0.030) U |               |                       |                       |                       |
| Endrin ketone      | ND (0.030) U |               |                       |                       |                       |
| Ethoprop           | ND (0.12) U  |               |                       |                       |                       |
| Ethyl parathion    | ND (0.077) U |               |                       |                       |                       |
| Famphur            | ND (0.16) U  |               |                       |                       |                       |
| Fensulfothion      | ND (0.11) U  |               |                       |                       |                       |
| Fenitoin           | ND (0.19) U  |               |                       |                       |                       |
| gamma-Chlordane    | ND (0.050) U |               |                       |                       |                       |
| Heptachlor         | ND (0.020) U |               |                       |                       |                       |
| Heptachlor epoxide | ND (0.030) U |               |                       |                       |                       |
| Malathion          | ND (0.11) U  |               |                       |                       |                       |
| Merphos            | ND (1.0) U   |               |                       |                       |                       |



**TABLE D-9.11**  
**Summary Field Quality Control Sample Data**

| Parameter              | 052201-WB01  | TRIP BLANK #3 | TRIP BLANK- COC 057744 | TRIP BLANK-COC 057712 | TRIP BLANK-COC 057719 |
|------------------------|--------------|---------------|------------------------|-----------------------|-----------------------|
| Methoxychlor           | ND (0.070) U |               |                        |                       |                       |
| Methyl parathion       | ND (0.078) U |               |                        |                       |                       |
| Mevinphos              | ND (0.097) U |               |                        |                       |                       |
| Naled                  | ND (1.1) U   |               |                        |                       |                       |
| Phorate                | ND (0.078) U |               |                        |                       |                       |
| Ronnel                 | ND (0.097) U |               |                        |                       |                       |
| Sulfotepp              | ND (0.044) U |               |                        |                       |                       |
| Thionazin              | ND (0.068) U |               |                        |                       |                       |
| Tokuthion              | ND (0.092) U |               |                        |                       |                       |
| Toxaphene              | ND (1.6) U   |               |                        |                       |                       |
| Trichloronate          | ND (0.075) U |               |                        |                       |                       |
| Actinium 228           | ND (41) U    |               |                        |                       |                       |
| Bismuth 212            | ND (180) U   |               |                        |                       |                       |
| Bismuth 214            | ND (23) U    |               |                        |                       |                       |
| Cesium 137             | ND (12) U    |               |                        |                       |                       |
| Lead 210               | ND (160) U   |               |                        |                       |                       |
| Lead 212               | ND (16) U    |               |                        |                       |                       |
| Lead 214               | ND (19) U    |               |                        |                       |                       |
| Potassium 40           | ND (140) U   |               |                        |                       |                       |
| Radium 224             | ND (150) U   |               |                        |                       |                       |
| Radium 228             | ND (0.93) U  |               |                        |                       |                       |
| Thallium 208           | ND (13) U    |               |                        |                       |                       |
| Thorium 228            | ND (0.47) U  |               |                        |                       |                       |
| Thorium 230            | 0.49 J       |               |                        |                       |                       |
| Thorium 232            | 0.30 J       |               |                        |                       |                       |
| Thorium 234            | ND (100) U   |               |                        |                       |                       |
| Uranium 234            | 0.43 J       |               |                        |                       |                       |
| Uranium 235            | ND (0.17) U  |               |                        |                       |                       |
| Uranium 238            | ND (0.14) U  |               |                        |                       |                       |
| 1,2,4-Trichlorobenzene | ND (0.97) U  |               |                        |                       |                       |
| 1,2-Dichlorobenzene    | ND (0.89) U  | ND (0.35) U   | ND (0.35) U            | ND (0.35) U           | ND (0.35) U           |
| 1,3-Dichlorobenzene    | ND (0.90) U  | ND (0.44) U   | ND (0.44) U            | ND (0.44) U           | ND (0.44) U           |

**TABLE D-9.11**  
**Summary Field Quality Control Sample Data**

| Parameter                    | 052201-WB01 | TRIP BLANK #3 | TRIP BLANK- COC 057744 | TRIP BLANK-COC 057712 | TRIP BLANK-COC 057719 |
|------------------------------|-------------|---------------|------------------------|-----------------------|-----------------------|
| 1,4-Dichlorobenzene          | ND (0.93) U | ND (0.30) U   | ND (0.30) U            | ND (0.30) U           | ND (0.30) U           |
| 2,2'-oxybis(1-Chloropropane) | ND (1.2) U  |               |                        |                       |                       |
| 2,4,5-Trichlorophenol        | ND (0.78) U |               |                        |                       |                       |
| 2,4,6-Trichlorophenol        | ND (0.66) U |               |                        |                       |                       |
| 2,4-Dichlorophenol           | ND (1.0) U  |               |                        |                       |                       |
| 2,4-Dimethylphenol           | ND (0.97) U |               |                        |                       |                       |
| 2,4-Dinitrophenol            | ND (0.97) U |               |                        |                       |                       |
| 2,4-Dinitrotoluene           | ND (0.68) U |               |                        |                       |                       |
| 2,6-Dinitrotoluene           | ND (0.71) U |               |                        |                       |                       |
| 2-Chloronaphthalene          | ND (0.98) U |               |                        |                       |                       |
| 2-Chlorophenol               | ND (1.1) U  |               |                        |                       |                       |
| 2-Methylnaphthalene          | ND (1.0) U  |               |                        |                       |                       |
| 2-Methylphenol               | ND (1.0) U  |               |                        |                       |                       |
| 2-Nitroaniline               | ND (0.59) U |               |                        |                       |                       |
| 2-Nitrophenol                | ND (1.2) U  |               |                        |                       |                       |
| 3,3'-Dichlorobenzidine       | ND (0.55) U |               |                        |                       |                       |
| 3-Nitroaniline               | ND (0.50) U |               |                        |                       |                       |
| 4,6-Dinitro-2-methylphenol   | ND (1.7) U  |               |                        |                       |                       |
| 4-Bromophenyl phenyl ether   | ND (0.78) U |               |                        |                       |                       |
| 4-Chloro-3-methylphenol      | ND (0.84) U |               |                        |                       |                       |
| 4-Chloroaniline              | ND (0.88) U |               |                        |                       |                       |
| 4-Chlorophenyl phenyl ether  | ND (1.0) U  |               |                        |                       |                       |
| 4-Methylphenol               | ND (0.77) U |               |                        |                       |                       |
| 4-Nitroaniline               | ND (0.87) U |               |                        |                       |                       |
| 4-Nitrophenol                | ND (0.48) U |               |                        |                       |                       |
| Acenaphthene                 | ND (0.87) U |               |                        |                       |                       |
| Acenaphthylene               | ND (0.98) U |               |                        |                       |                       |
| Anthracene                   | ND (0.48) U |               |                        |                       |                       |
| Benzo(a)anthracene           | ND (0.58) U |               |                        |                       |                       |
| Benzo(a)pyrene               | ND (0.60) U |               |                        |                       |                       |
| Benzo(b)fluoranthene         | ND (0.88) U |               |                        |                       |                       |
| Benzo(ghi)perylene           | ND (0.95) U |               |                        |                       |                       |

**TABLE D-9.11**  
**Summary Field Quality Control Sample Data**

| Parameter                  | 052201-WB01 | TRIP BLANK #3 | TRIP BLANK-COC 057744 | TRIP BLANK-COC 057712 | TRIP BLANK-COC 057719 |
|----------------------------|-------------|---------------|-----------------------|-----------------------|-----------------------|
| Benzo(k)fluoranthene       | ND (0.74) U |               |                       |                       |                       |
| bis(2-Chloroethoxy)methane | ND (1.1) U  |               |                       |                       |                       |
| bis(2-Chloroethyl) ether   | ND (1.1) U  |               |                       |                       |                       |
| Butyl benzyl phthalate     | ND (0.72) U |               |                       |                       |                       |
| Carbazole                  | ND (1.9) U  |               |                       |                       |                       |
| Chrysene                   | ND (0.42) U |               |                       |                       |                       |
| Dibenzo(a,h)anthracene     | ND (1.4) U  |               |                       |                       |                       |
| Dibenzofuran               | ND (0.77) U |               |                       |                       |                       |
| Diethyl phthalate          | ND (1.5) U  |               |                       |                       |                       |
| Dimethyl phthalate         | ND (3.0) U  |               |                       |                       |                       |
| Di-n-butyl phthalate       | ND (1.3) U  |               |                       |                       |                       |
| Di-n-octyl phthalate       | ND (1.3) U  |               |                       |                       |                       |
| Fluoranthene               | ND (0.60) U |               |                       |                       |                       |
| Fluorene                   | ND (0.72) U |               |                       |                       |                       |
| Hexachlorobenzene          | ND (0.58) U |               |                       |                       |                       |
| Hexachlorobutadiene        | ND (0.91) U |               |                       |                       |                       |
| Hexachlorocyclopentadiene  | ND (0.91) U |               |                       |                       |                       |
| Hexachloroethane           | ND (0.86) U |               |                       |                       |                       |
| Indeno(1,2,3-cd)pyrene     | ND (0.61) U |               |                       |                       |                       |
| Isophorone                 | ND (0.86) U |               |                       |                       |                       |
| Naphthalene                | ND (1.1) U  |               |                       |                       |                       |
| Nitrobenzene               | ND (1.0) U  |               |                       |                       |                       |
| N-Nitrosodi-n-propylamine  | ND (0.90) U |               |                       |                       |                       |
| N-Nitrosodiphenylamine     | ND (0.45) U |               |                       |                       |                       |
| Pentachlorophenol          | ND (0.87) U |               |                       |                       |                       |
| Phenanthrene               | ND (0.46) U |               |                       |                       |                       |
| Phenol                     | ND (0.55) U |               |                       |                       |                       |
| Pyrene                     | ND (0.71) U |               |                       |                       |                       |
| 1,1,1-Trichloroethane      | ND (0.44) U | ND (0.44) U   | ND (0.44) U           | ND (0.44) U           | ND (0.44) U           |
| 1,1,2,2-Tetrachloroethane  | ND (0.44) U | ND (0.44) U   | ND (0.44) U           | ND (0.44) U           | ND (0.44) U           |
| 1,1,2-Trichloroethane      | ND (0.43) U | ND (0.43) U   | ND (0.43) U           | ND (0.43) U           | ND (0.43) U           |
| 1,1-Dichloroethane         | ND (0.38) U | ND (0.38) U   | ND (0.38) U           | ND (0.38) U           | ND (0.38) U           |

**TABLE D-9.11**  
**Summary Field Quality Control Sample Data**

| Parameter                 | 052201-WB01 | TRIP BLANK #3 | TRIP BLANK- COC 057744 | TRIP BLANK-COC 057712 | TRIP BLANK-COC 057719 |
|---------------------------|-------------|---------------|------------------------|-----------------------|-----------------------|
| 1,1-Dichloroethene        | ND (1.3) U  | ND (1.3) U    | ND (1.3) U             | ND (1.3) U            | ND (1.3) U            |
| 1,2-Dichloroethane        | ND (0.43) U | ND (0.43) U   | ND (0.43) U            | ND (0.43) U           | ND (0.43) U           |
| 1,2-Dichloropropane       | ND (0.21) U | ND (0.21) U   | ND (0.21) U            | ND (0.21) U           | ND (0.21) U           |
| 2-Butanone                | ND (6.6) U  | ND (6.6) U    | ND (6.6) U             | ND (6.6) U            | ND (6.6) U            |
| 2-Hexanone                | ND (1.7) U  | ND (1.7) U    | ND (1.7) U             | ND (1.7) U            | ND (1.7) U            |
| 4-Methyl-2-pentanone      | ND (1.3) U  | ND (1.3) U    | ND (1.3) U             | ND (1.3) U            | ND (1.3) U            |
| Acetone                   | ND (2.6) U  | ND (2.6) U    | 3.1 J                  | ND (2.6) U            | ND (2.6) U            |
| Benzene                   | ND (0.37) U | ND (0.37) U   | ND (0.37) U            | ND (0.37) U           | ND (0.37) U           |
| Bromodichloromethane      | ND (0.45) U | ND (0.45) U   | ND (0.45) U            | ND (0.45) U           | ND (0.45) U           |
| Bromoform                 | ND (0.62) U | ND (0.62) U   | ND (0.62) U            | ND (0.62) U           | ND (0.62) U           |
| Bromomethane              | ND (0.60) U | ND (0.60) U   | ND (0.60) U            | ND (0.60) U           | ND (0.60) U           |
| Carbon disulfide          | ND (0.46) U | ND (0.46) U   | ND (0.46) U            | ND (0.46) U           | ND (0.46) U           |
| Carbon tetrachloride      | ND (0.65) U | ND (0.65) U   | ND (0.65) U            | ND (0.65) U           | ND (0.65) U           |
| Chlorobenzene             | ND (0.34) U | ND (0.34) U   | ND (0.34) U            | ND (0.34) U           | ND (0.34) U           |
| Chloroethane              | ND (2.2) U  | ND (2.2) U    | ND (2.2) U             | ND (2.2) U            | ND (2.2) U            |
| Chloroform                | ND (0.24) U | ND (0.24) U   | ND (0.24) U            | ND (0.24) U           | ND (0.24) U           |
| Chloromethane             | ND (0.77) U | ND (0.77) U   | ND (0.77) U            | ND (0.77) U           | ND (0.77) U           |
| cis-1,2-Dichloroethene    | ND (0.50) U | ND (0.50) U   | ND (0.50) U            | ND (0.50) U           | ND (0.50) U           |
| cis-1,3-Dichloropropene   | ND (0.52) U | ND (0.52) U   | ND (0.52) U            | ND (0.52) U           | ND (0.52) U           |
| Dibromochloromethane      | ND (0.38) U | ND (0.38) U   | ND (0.38) U            | ND (0.38) U           | 1.0 J                 |
| Ethylbenzene              | ND (0.89) U | ND (0.89) U   | ND (0.89) U            | ND (0.89) U           | ND (0.89) U           |
| Methylene chloride        | ND (0.53) U | 2.9 J         | 2.3 J                  | 2.2 J                 | ND (0.53) U           |
| Styrene                   | ND (0.37) U | ND (0.37) U   | ND (0.37) U            | ND (0.37) U           | ND (0.37) U           |
| Tetrachloroethene         | ND (0.36) U | ND (0.36) U   | ND (0.36) U            | ND (0.36) U           | ND (0.36) U           |
| Toluene                   | ND (0.54) U | ND (0.54) U   | ND (0.54) U            | ND (0.54) U           | ND (0.54) U           |
| trans-1,2-Dichloroethene  | ND (0.44) U | ND (0.44) U   | ND (0.44) U            | ND (0.44) U           | ND (0.44) U           |
| trans-1,3-Dichloropropene | ND (0.31) U | ND (0.31) U   | ND (0.31) U            | ND (0.31) U           | ND (0.31) U           |
| Trichloroethene           | ND (0.31) U | ND (0.31) U   | ND (0.31) U            | ND (0.31) U           | ND (0.31) U           |
| Trichlorofluoromethane    | ND (0.70) U | ND (0.70) U   | ND (0.70) U            | ND (0.70) U           | ND (0.70) U           |
| Vinyl acetate             | ND (0.56) U | ND (0.56) U   | ND (0.56) U            | ND (0.56) U           | ND (0.56) U           |
| Vinyl chloride            | ND (0.79) U | ND (0.79) U   | ND (0.79) U            | ND (0.79) U           | ND (0.79) U           |
| Xylenes (total)           | ND (1.1) U  | ND (1.1) U    | ND (1.1) U             | ND (1.1) U            | ND (1.1) U            |

**TABLE D-9.11**  
**Summary Field Quality Control Sample Data**

| Parameter              | 052201-WB01   | TRIP BLANK-COC 057738 | TRIPBLANK |
|------------------------|---------------|-----------------------|-----------|
| Calcium                | 86.8 B        |                       |           |
| Potassium              | ND (1810) U   |                       |           |
| Sodium                 | 195 B J       |                       |           |
| 1,2,3,4,6,7,8-HpCDD    | ND (3.9) U    |                       |           |
| 1,2,3,4,6,7,8-HpCDF    | ND (3.9) U    |                       |           |
| 1,2,3,4,7,8,9-HpCDF    | ND (5.1) U    |                       |           |
| 1,2,3,4,7,8-HxCDD      | ND (7.3) U    |                       |           |
| 1,2,3,4,7,8-HxCDF      | ND (4.0) U    |                       |           |
| 1,2,3,6,7,8-HxCDD      | ND (6.2) U    |                       |           |
| 1,2,3,6,7,8-HxCDF      | ND (7.1) U    |                       |           |
| 1,2,3,7,8,9-HxCDD      | ND (7.8) U    |                       |           |
| 1,2,3,7,8,9-HxCDF      | ND (8.0) U    |                       |           |
| 1,2,3,7,8-PeCDD        | ND (6.6) U    |                       |           |
| 1,2,3,7,8-PeCDF        | ND (6.0) U    |                       |           |
| 2,3,4,6,7,8-HxCDF      | ND (6.1) U    |                       |           |
| 2,3,4,7,8-PeCDF        | ND (4.9) U    |                       |           |
| 2,3,7,8-TCDD           | ND (1.2) U    |                       |           |
| 2,3,7,8-TCDF           | ND (1.9) U    |                       |           |
| OCDD                   | ND (16) U     |                       |           |
| OCDF                   | ND (12) U     |                       |           |
| Chloride               | ND (0.010) U  |                       |           |
| Conductivity           | 4.0 J         |                       |           |
| Fluoride               | ND (0.0060) U |                       |           |
| Hardness, Total        | ND (4.9) U    |                       |           |
| Nitrate                | ND (0.0020) U |                       |           |
| pH (liquid)            | 7             |                       |           |
| Phosphate as P, Ortho  | ND (0.035) U  |                       |           |
| Sulfate                | 0.29 B        |                       |           |
| Total Alkalinity       | ND (1.7) U    |                       |           |
| Total Dissolved Solids | 6990          |                       |           |
| Turbidity              | ND (0.42) U   |                       |           |
| Aluminum               | ND (26.5) U   |                       |           |

**TABLE D-9.11**  
**Summary Field Quality Control Sample Data**

| Parameter     | 052201-WB01   | TRIP BLANK-COC 057738 | TRIPBLANK |
|---------------|---------------|-----------------------|-----------|
| Antimony      | ND (1.6) U    |                       |           |
| Arsenic       | ND (0.22) U   |                       |           |
| Barium        | ND (2.0) U    |                       |           |
| Beryllium     | ND (0.10) U   |                       |           |
| Cadmium       | ND (0.12) U   |                       |           |
| Cobalt        | ND (0.0090) U |                       |           |
| Copper        | ND (19.5) U   |                       |           |
| Iron          | ND (30.3) U   |                       |           |
| Lead          | ND (0.43) U   |                       |           |
| Magnesium     | ND (225) U    |                       |           |
| Manganese     | 0.17 B J      |                       |           |
| Mercury       | ND (0.035) U  |                       |           |
| Molybdenum    | ND (2.0) U    |                       |           |
| Nickel        | ND (2.0) U    |                       |           |
| Selenium      | ND (0.40) U   |                       |           |
| Silver        | ND (0.062) U  |                       |           |
| Thallium      | ND (0.022) U  |                       |           |
| Thorium       | ND (0.96) U   |                       |           |
| Titanium      | 1.0 B         |                       |           |
| Vanadium      | ND (0.054) U  |                       |           |
| Zinc          | ND (4.2) U    |                       |           |
| Perchlorate   | ND (2.0) U    |                       |           |
| Total Cyanide | ND (2.5) U    |                       |           |
| Aroclor 1016  | ND (0.68) U   |                       |           |
| Aroclor 1221  | ND (0.68) U   |                       |           |
| Aroclor 1232  | ND (0.68) U   |                       |           |
| Aroclor 1242  | ND (0.68) U   |                       |           |
| Aroclor 1248  | ND (0.68) U   |                       |           |
| Aroclor 1254  | ND (0.50) U   |                       |           |
| Aroclor 1260  | ND (0.50) U   |                       |           |
| 4,4'-DDD      | ND (0.040) U  |                       |           |
| 4,4'-DDE      | ND (0.050) U  |                       |           |

TABLE D-9.11  
Summary Field Quality Control Sample Data

| Parameter          | 052201-WB01  | TRIP BLANK-COC 057738 | TRIPBLANK |
|--------------------|--------------|-----------------------|-----------|
| 4,4'-DDT           | ND (0.050) U |                       |           |
| Aldrin             | ND (0.020) U |                       |           |
| alpha-BHC          | ND (0.020) U |                       |           |
| alpha-Chlordane    | ND (0.020) U |                       |           |
| Azinphos-methyl    | ND (0.073) U |                       |           |
| beta-BHC           | ND (0.020) U |                       |           |
| Bolstar            | ND (0.044) U |                       |           |
| Chlorpyrifos       | ND (0.051) U |                       |           |
| Coumaphos          | ND (0.074) U |                       |           |
| delta-BHC          | ND (0.040) U |                       |           |
| Demeton (total)    | ND (0.44) U  |                       |           |
| Diazinon           | ND (0.061) U |                       |           |
| Dichlorvos         | ND (0.17) U  |                       |           |
| Dieldrin           | ND (0.040) U |                       |           |
| Dimethoate         | ND (0.096) U |                       |           |
| Disulfoton         | ND (0.20) U  |                       |           |
| Endosulfan I       | ND (0.020) U |                       |           |
| Endosulfan II      | ND (0.030) U |                       |           |
| Endosulfan sulfate | ND (0.040) U |                       |           |
| Endrin             | ND (0.040) U |                       |           |
| Endrin aldehyde    | ND (0.030) U |                       |           |
| Endrin ketone      | ND (0.030) U |                       |           |
| Ethoprop           | ND (0.12) U  |                       |           |
| Ethyl parathion    | ND (0.077) U |                       |           |
| Famphur            | ND (0.16) U  |                       |           |
| Fensulfothion      | ND (0.11) U  |                       |           |
| Fenthion           | ND (0.19) U  |                       |           |
| gamma-Chlordane    | ND (0.050) U |                       |           |
| Heptachlor         | ND (0.020) U |                       |           |
| Heptachlor epoxide | ND (0.030) U |                       |           |
| Malathion          | ND (0.11) U  |                       |           |
| Merphos            | ND (1.0) U   |                       |           |

TABLE D-9.11  
Summary Field Quality Control Sample Data

| Parameter              | 052201-WB01  | TRIP BLANK-COC 057738 | TRIPBLANK   |
|------------------------|--------------|-----------------------|-------------|
| Methoxychlor           | ND (0.070) U |                       |             |
| Methyl parathion       | ND (0.078) U |                       |             |
| Mevinphos              | ND (0.097) U |                       |             |
| Naled                  | ND (1.1) U   |                       |             |
| Phorate                | ND (0.078) U |                       |             |
| Ronnel                 | ND (0.097) U |                       |             |
| Sulfotepp              | ND (0.044) U |                       |             |
| Thionazin              | ND (0.068) U |                       |             |
| Tokuthion              | ND (0.092) U |                       |             |
| Toxaphene              | ND (1.6) U   |                       |             |
| Trichloronate          | ND (0.075) U |                       |             |
| Actinium 228           | ND (41) U    |                       |             |
| Bismuth 212            | ND (180) U   |                       |             |
| Bismuth 214            | ND (23) U    |                       |             |
| Cesium 137             | ND (12) U    |                       |             |
| Lead 210               | ND (160) U   |                       |             |
| Lead 212               | ND (16) U    |                       |             |
| Lead 214               | ND (19) U    |                       |             |
| Potassium 40           | ND (140) U   |                       |             |
| Radium 224             | ND (150) U   |                       |             |
| Radium 228             | ND (0.93) U  |                       |             |
| Thallium 208           | ND (13) U    |                       |             |
| Thorium 228            | ND (0.47) U  |                       |             |
| Thorium 230            | 0.49 J       |                       |             |
| Thorium 232            | 0.30 J       |                       |             |
| Thorium 234            | ND (100) U   |                       |             |
| Uranium 234            | 0.43 J       |                       |             |
| Uranium 235            | ND (0.17) U  |                       |             |
| Uranium 238            | ND (0.14) U  |                       |             |
| 1,2,4-Trichlorobenzene | ND (0.97) U  |                       |             |
| 1,2-Dichlorobenzene    | ND (0.89) U  | ND (0.35) U           | ND (0.35) U |
| 1,3-Dichlorobenzene    | ND (0.90) U  | ND (0.44) U           | ND (0.44) U |



**TABLE D-9.11**  
**Summary Field Quality Control Sample Data**

| Parameter                    | 052201-WB01 | TRIP BLANK-COC 057738 | TRIPBLANK   |
|------------------------------|-------------|-----------------------|-------------|
| 1,4-Dichlorobenzene          | ND (0.93) U | ND (0.30) U           | ND (0.30) U |
| 2,2'-oxybis(1-Chloropropane) | ND (1.2) U  |                       |             |
| 2,4,5-Trichlorophenol        | ND (0.78) U |                       |             |
| 2,4,6-Trichlorophenol        | ND (0.66) U |                       |             |
| 2,4-Dichlorophenol           | ND (1.0) U  |                       |             |
| 2,4-Dimethylphenol           | ND (0.97) U |                       |             |
| 2,4-Dinitrophenol            | ND (0.97) U |                       |             |
| 2,4-Dinitrotoluene           | ND (0.68) U |                       |             |
| 2,6-Dinitrotoluene           | ND (0.71) U |                       |             |
| 2-Chloronaphthalene          | ND (0.98) U |                       |             |
| 2-Chlorophenol               | ND (1.1) U  |                       |             |
| 2-Methylnaphthalene          | ND (1.0) U  |                       |             |
| 2-Methylphenol               | ND (1.0) U  |                       |             |
| 2-Nitroaniline               | ND (0.59) U |                       |             |
| 2-Nitrophenol                | ND (1.2) U  |                       |             |
| 3,3'-Dichlorobenzidine       | ND (0.55) U |                       |             |
| 3-Nitroaniline               | ND (0.50) U |                       |             |
| 4,6-Dinitro-2-methylphenol   | ND (1.7) U  |                       |             |
| 4-Bromophenyl phenyl ether   | ND (0.78) U |                       |             |
| 4-Chloro-3-methylphenol      | ND (0.84) U |                       |             |
| 4-Chloroaniline              | ND (0.88) U |                       |             |
| 4-Chlorophenyl phenyl ether  | ND (1.0) U  |                       |             |
| 4-Methylphenol               | ND (0.77) U |                       |             |
| 4-Nitroaniline               | ND (0.87) U |                       |             |
| 4-Nitrophenol                | ND (0.48) U |                       |             |
| Acenaphthene                 | ND (0.87) U |                       |             |
| Acenaphthylene               | ND (0.98) U |                       |             |
| Anthracene                   | ND (0.48) U |                       |             |
| Benzo(a)anthracene           | ND (0.58) U |                       |             |
| Benzo(a)pyrene               | ND (0.60) U |                       |             |
| Benzo(b)fluoranthene         | ND (0.88) U |                       |             |
| Benzo(ghi)perylene           | ND (0.95) U |                       |             |

**TABLE D-9.11**  
**Summary Field Quality Control Sample Data**

| Parameter                  | 052201-WB01 | TRIP BLANK-COC 057738 | TRIPBLANK   |
|----------------------------|-------------|-----------------------|-------------|
| Benzo(k)fluoranthene       | ND (0.74) U |                       |             |
| bis(2-Chloroethoxy)methane | ND (1.1) U  |                       |             |
| bis(2-Chloroethyl) ether   | ND (1.1) U  |                       |             |
| Butyl benzyl phthalate     | ND (0.72) U |                       |             |
| Carbazole                  | ND (1.9) U  |                       |             |
| Chrysene                   | ND (0.42) U |                       |             |
| Dibenzo(a,h)anthracene     | ND (1.4) U  |                       |             |
| Dibenzofuran               | ND (0.77) U |                       |             |
| Diethyl phthalate          | ND (1.5) U  |                       |             |
| Dimethyl phthalate         | ND (3.0) U  |                       |             |
| Di-n-butyl phthalate       | ND (1.3) U  |                       |             |
| Di-n-octyl phthalate       | ND (1.3) U  |                       |             |
| Fluoranthene               | ND (0.60) U |                       |             |
| Fluorene                   | ND (0.72) U |                       |             |
| Hexachlorobenzene          | ND (0.58) U |                       |             |
| Hexachlorobutadiene        | ND (0.91) U |                       |             |
| Hexachlorocyclopentadiene  | ND (0.91) U |                       |             |
| Hexachloroethane           | ND (0.86) U |                       |             |
| Indeno(1,2,3-cd)pyrene     | ND (0.61) U |                       |             |
| Isophorone                 | ND (0.86) U |                       |             |
| Naphthalene                | ND (1.1) U  |                       |             |
| Nitrobenzene               | ND (1.0) U  |                       |             |
| N-Nitrosodi-n-propylamine  | ND (0.90) U |                       |             |
| N-Nitrosodiphenylamine     | ND (0.45) U |                       |             |
| Pentachlorophenol          | ND (0.87) U |                       |             |
| Phenanthrene               | ND (0.46) U |                       |             |
| Phenol                     | ND (0.55) U |                       |             |
| Pyrene                     | ND (0.71) U |                       |             |
| 1,1,1-Trichloroethane      | ND (0.44) U | ND (0.44) U           | ND (0.44) U |
| 1,1,2,2-Tetrachloroethane  | ND (0.44) U | ND (0.44) U           | ND (0.44) U |
| 1,1,2-Trichloroethane      | ND (0.43) U | ND (0.43) U           | ND (0.43) U |
| 1,1-Dichloroethane         | ND (0.38) U | ND (0.38) U           | ND (0.38) U |

**TABLE D-9.11**  
**Summary Field Quality Control Sample Data**

| Parameter                 | 052201-WB01 | TRIP BLANK-COC 057738 | TRIPBLANK   |
|---------------------------|-------------|-----------------------|-------------|
| 1,1-Dichloroethene        | ND (1.3) U  | ND (1.3) U            | ND (1.3) U  |
| 1,2-Dichloroethane        | ND (0.43) U | ND (0.43) U           | ND (0.43) U |
| 1,2-Dichloropropane       | ND (0.21) U | ND (0.21) U           | ND (0.21) U |
| 2-Butanone                | ND (6.6) U  | ND (6.6) U            | ND (6.6) U  |
| 2-Hexanone                | ND (1.7) U  | ND (1.7) U            | ND (1.7) U  |
| 4-Methyl-2-pentanone      | ND (1.3) U  | ND (1.3) U            | ND (1.3) U  |
| Acetone                   | ND (2.6) U  | 4.9 J                 | ND (2.6) U  |
| Benzene                   | ND (0.37) U | ND (0.37) U           | ND (0.37) U |
| Bromodichloromethane      | ND (0.45) U | ND (0.45) U           | ND (0.45) U |
| Bromoform                 | ND (0.62) U | ND (0.62) U           | ND (0.62) U |
| Bromomethane              | ND (0.60) U | ND (0.60) U           | ND (0.60) U |
| Carbon disulfide          | ND (0.46) U | ND (0.46) U           | ND (0.46) U |
| Carbon tetrachloride      | ND (0.65) U | ND (0.65) U           | ND (0.65) U |
| Chlorobenzene             | ND (0.34) U | ND (0.34) U           | ND (0.34) U |
| Chloroethane              | ND (2.2) U  | ND (2.2) U            | ND (2.2) U  |
| Chloroform                | ND (0.24) U | ND (0.24) U           | ND (0.24) U |
| Chloromethane             | ND (0.77) U | ND (0.77) U           | ND (0.77) U |
| cis-1,2-Dichloroethene    | ND (0.50) U | ND (0.50) U           | ND (0.50) U |
| cis-1,3-Dichloropropene   | ND (0.52) U | ND (0.52) U           | ND (0.52) U |
| Dibromochloromethane      | ND (0.38) U | ND (0.38) U           | ND (0.38) U |
| Ethylbenzene              | ND (0.89) U | ND (0.89) U           | ND (0.89) U |
| Methylene chloride        | ND (0.53) U | 4.3 J                 | 2.3 JB      |
| Styrene                   | ND (0.37) U | ND (0.37) U           | ND (0.37) U |
| Tetrachloroethene         | ND (0.36) U | ND (0.36) U           | ND (0.36) U |
| Toluene                   | ND (0.54) U | ND (0.54) U           | ND (0.54) U |
| trans-1,2-Dichloroethene  | ND (0.44) U | ND (0.44) U           | ND (0.44) U |
| trans-1,3-Dichloropropene | ND (0.31) U | ND (0.31) U           | ND (0.31) U |
| Trichloroethene           | ND (0.31) U | ND (0.31) U           | ND (0.31) U |
| Trichlorofluoromethane    | ND (0.70) U | ND (0.70) U           | ND (0.70) U |
| Vinyl acetate             | ND (0.56) U | ND (0.56) U           | ND (0.56) U |
| Vinyl chloride            | ND (0.79) U | ND (0.79) U           | ND (0.79) U |
| Xylenes (total)           | ND (1.1) U  | ND (1.1) U            | ND (1.1) U  |

## **APPENDIX D.2 – FIGURES**

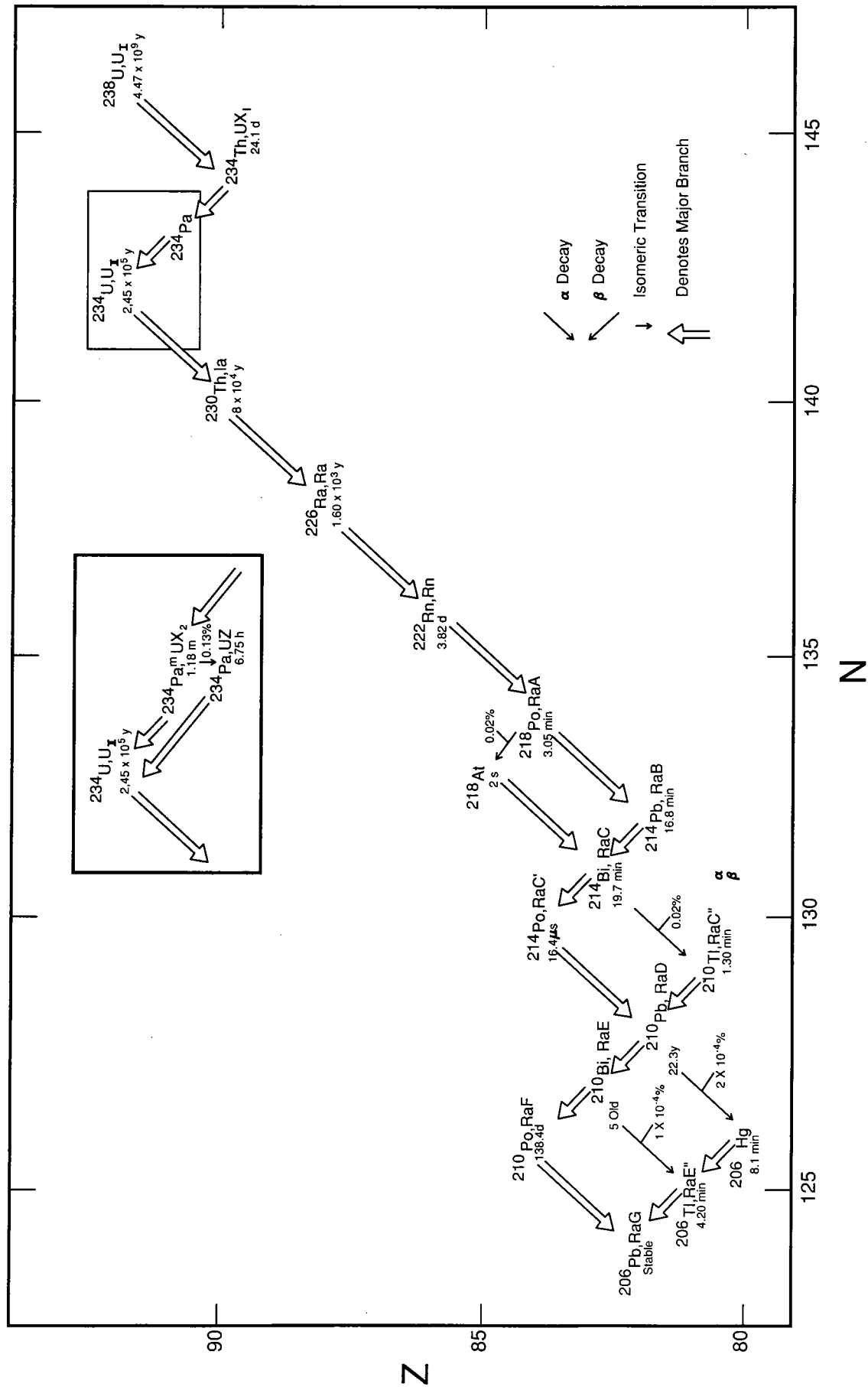


Figure D-1

THE URANIUM SERIES

**ENVIRON**

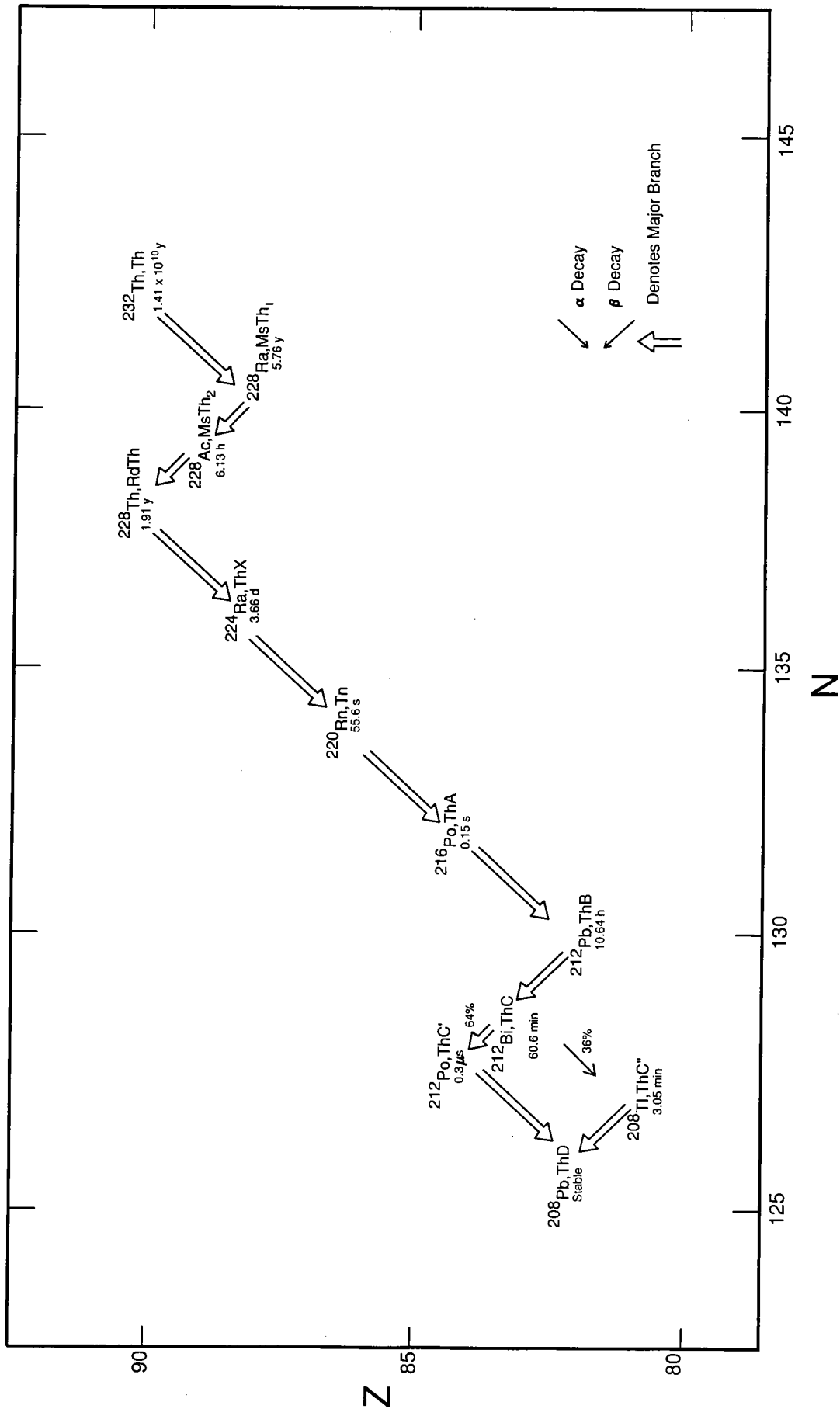


Figure D-2

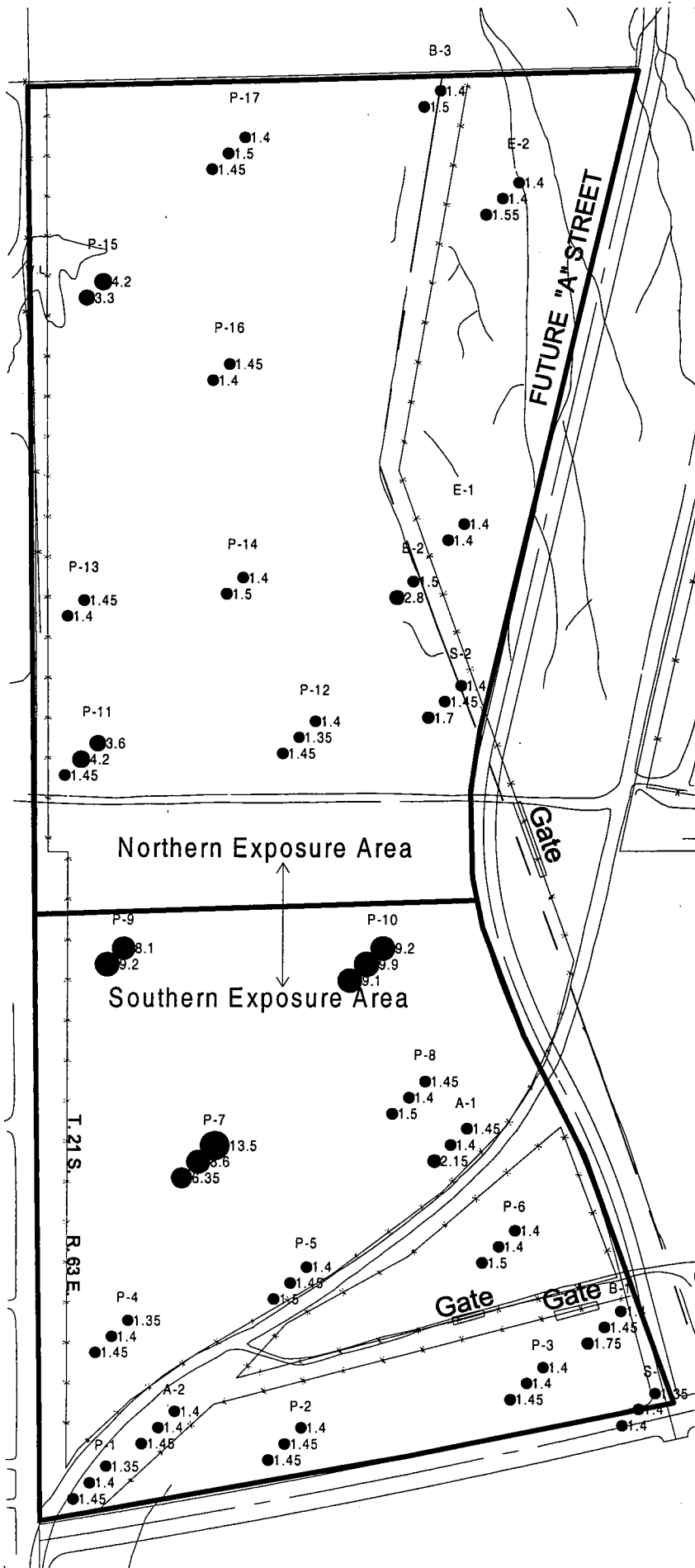
THE THORIUM SERIES

**ENVIRON**

## **APPENDIX D.3 – TAG MAPS**

## **APPENDIX D.4 – BUBBLE PLOTS**





# ENVIRONMENT

Data from May 2001  
Soil Sampling Event  
Concentrations of Acetone µg/kg

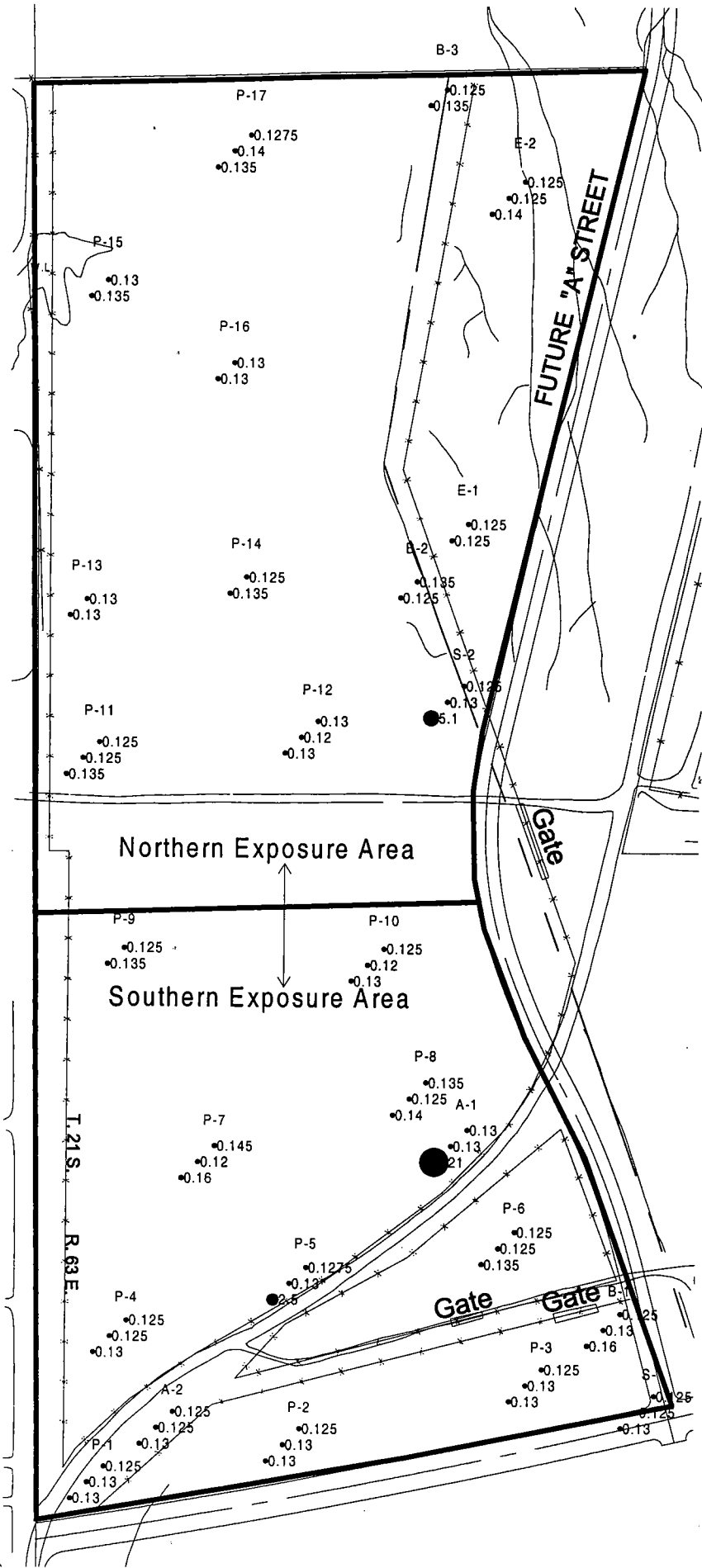
**LEGEND**

- Surface (0-1 foot) Sampling Interval
- Intermediate Sampling Interval
- Deepest Sampling Interval

Note: Surface interval indicator appears at the actual sample location

**Approximate Scale**  
1 Inch = 265 Feet

N  
↑



# ENVIRONMENT

Data from May 2001  
 Soil Sampling Event  
 Concentrations of Chloroform µg/kg

**LEGEND**

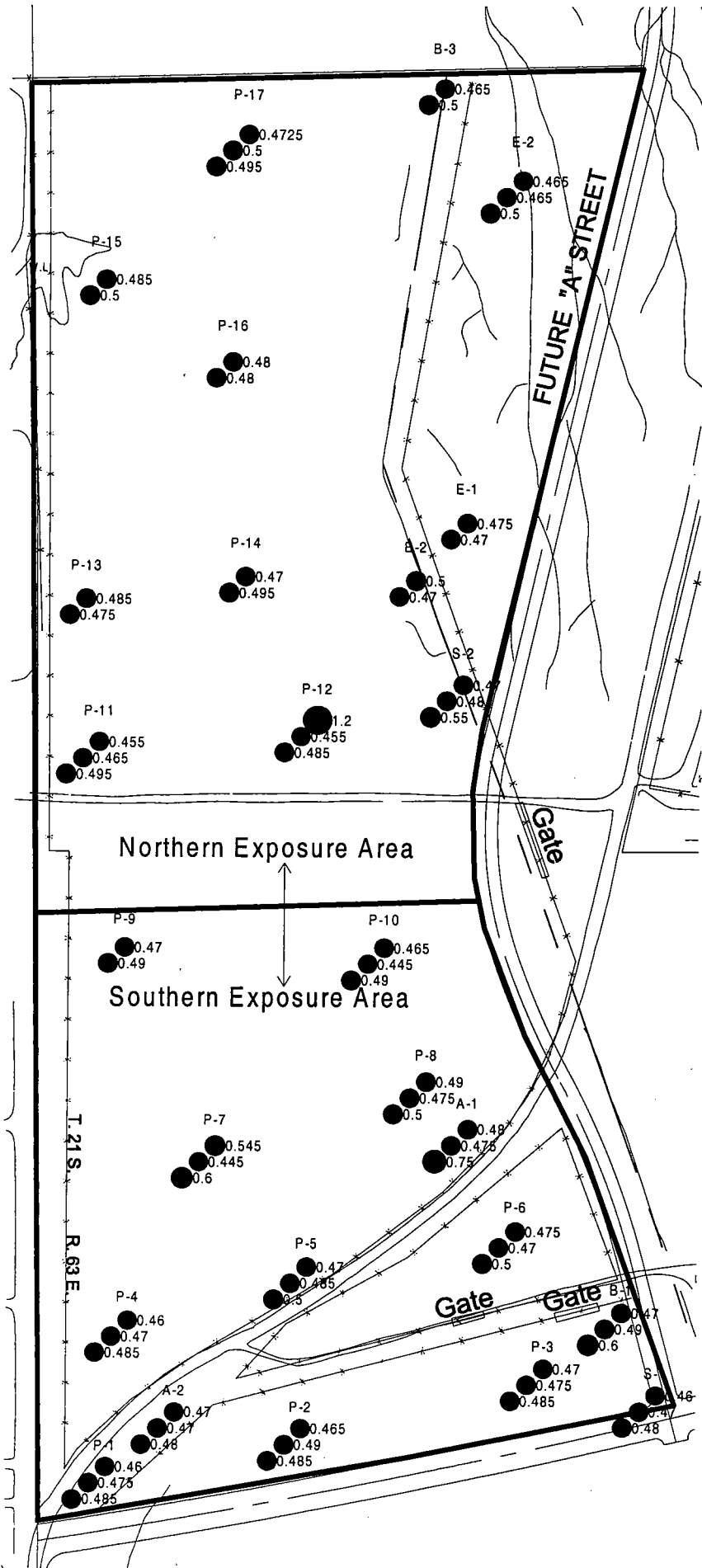
- Surface (0-1 foot) Sampling Interval
- Intermediate Sampling Interval
- Deepest Sampling Interval

Note: Surface interval indicator appears at the actual sample location

**Approximate Scale**

1 Inch = 265 Feet

N



# ENVIRON

Data from May 2001  
 Soil Sampling Event  
 Concentrations of Ethylbenzene µg/kg

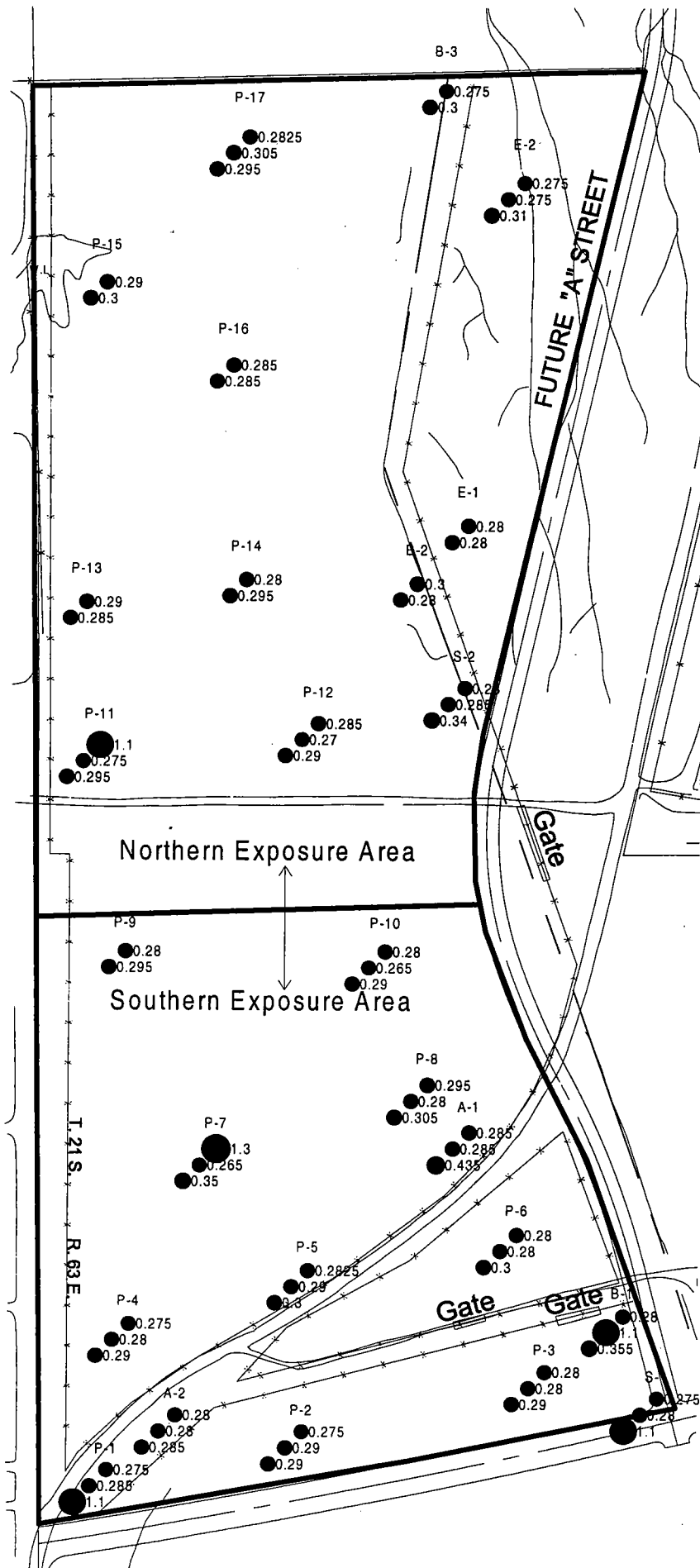
**LEGEND**

- Surface (0-1 foot) Sampling Interval
- Intermediate Sampling Interval
- Deepest Sampling Interval

Note: Surface interval indicator appears at the actual sample location

**Approximate Scale**  
 1 Inch = 265 Feet

N ↑



# ENVIRONMENTAL

Data from May 2001  
 Soil Sampling Event  
 Concentrations of Methylene Chloride µg/kg

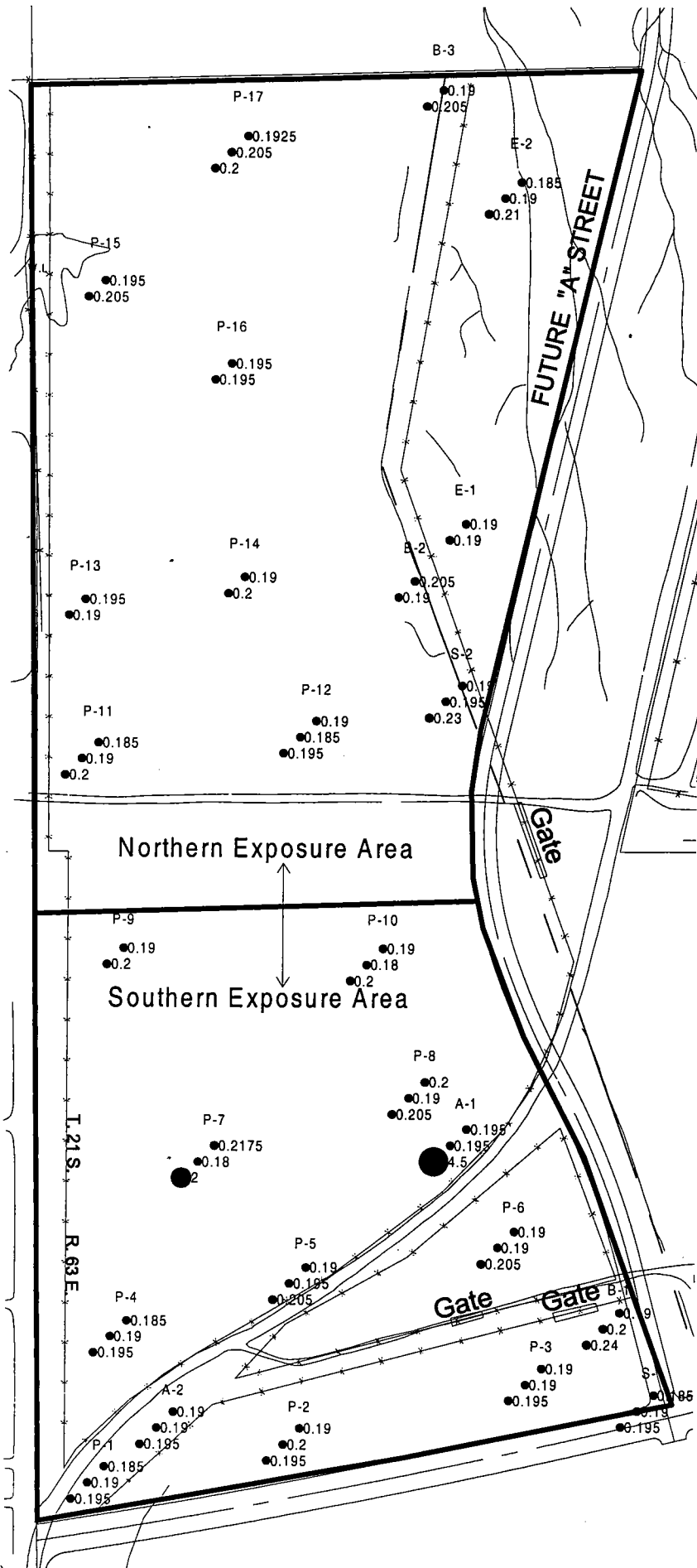
**LEGEND**

- Surface (0-1 foot) Sampling Interval
- Intermediate Sampling Interval
- Deepest Sampling Interval

Note: Surface interval indicator appears at the actual sample location

**Approximate Scale**  
 1 Inch = 265 Feet

N  
 ↑



# ENVIRON

Data from May 2001  
 Soil Sampling Event  
 Concentrations of Tetrachlorethene µg/kg

**LEGEND**

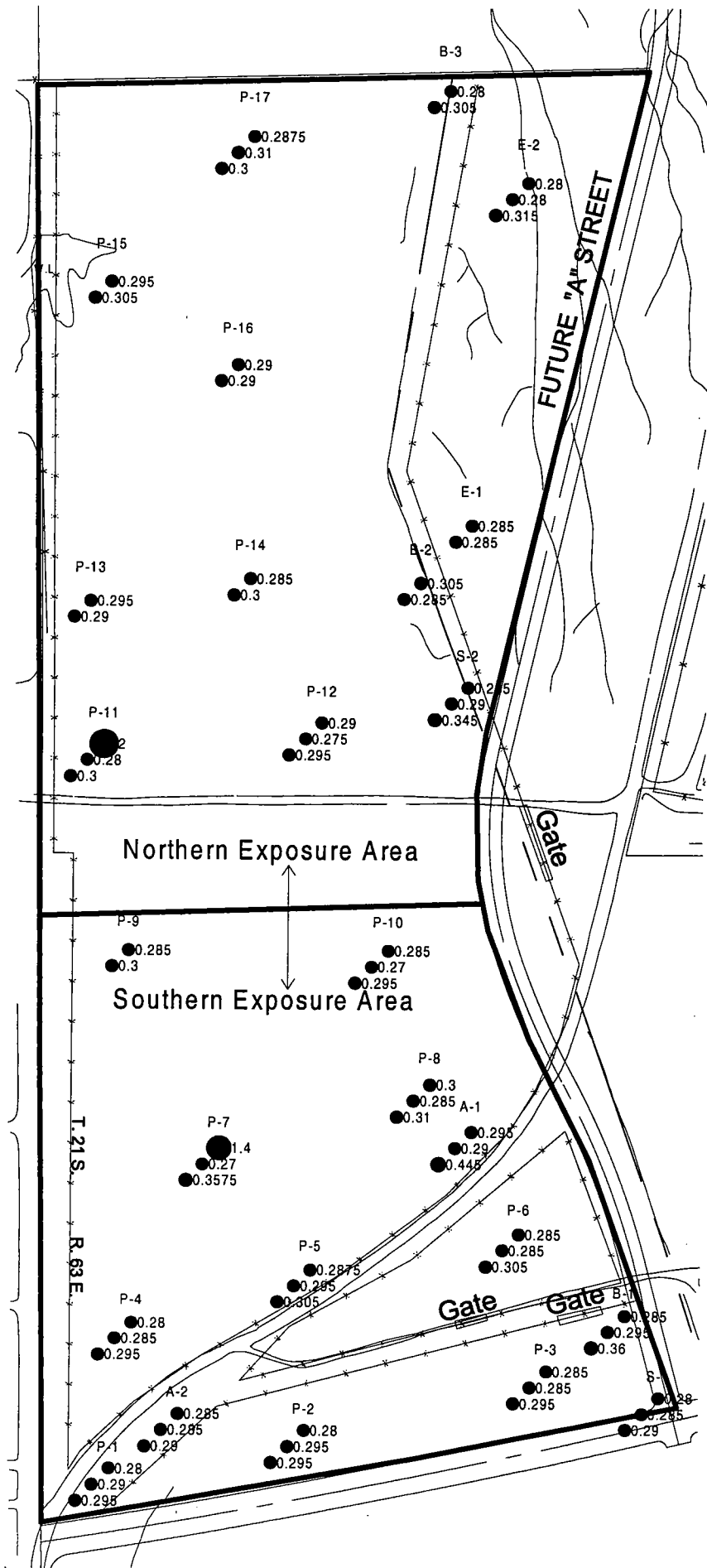
- Surface (0-1 foot) Sampling Interval
- Intermediate Sampling Interval
- Deepest Sampling Interval

Note: Surface interval indicator appears at the actual sample location

**Approximate Scale**

1 Inch = 265 Feet

N



# ENVIRON

Data from May 2001  
Soil Sampling Event  
Concentrations of Toluene µg/kg

**LEGEND**

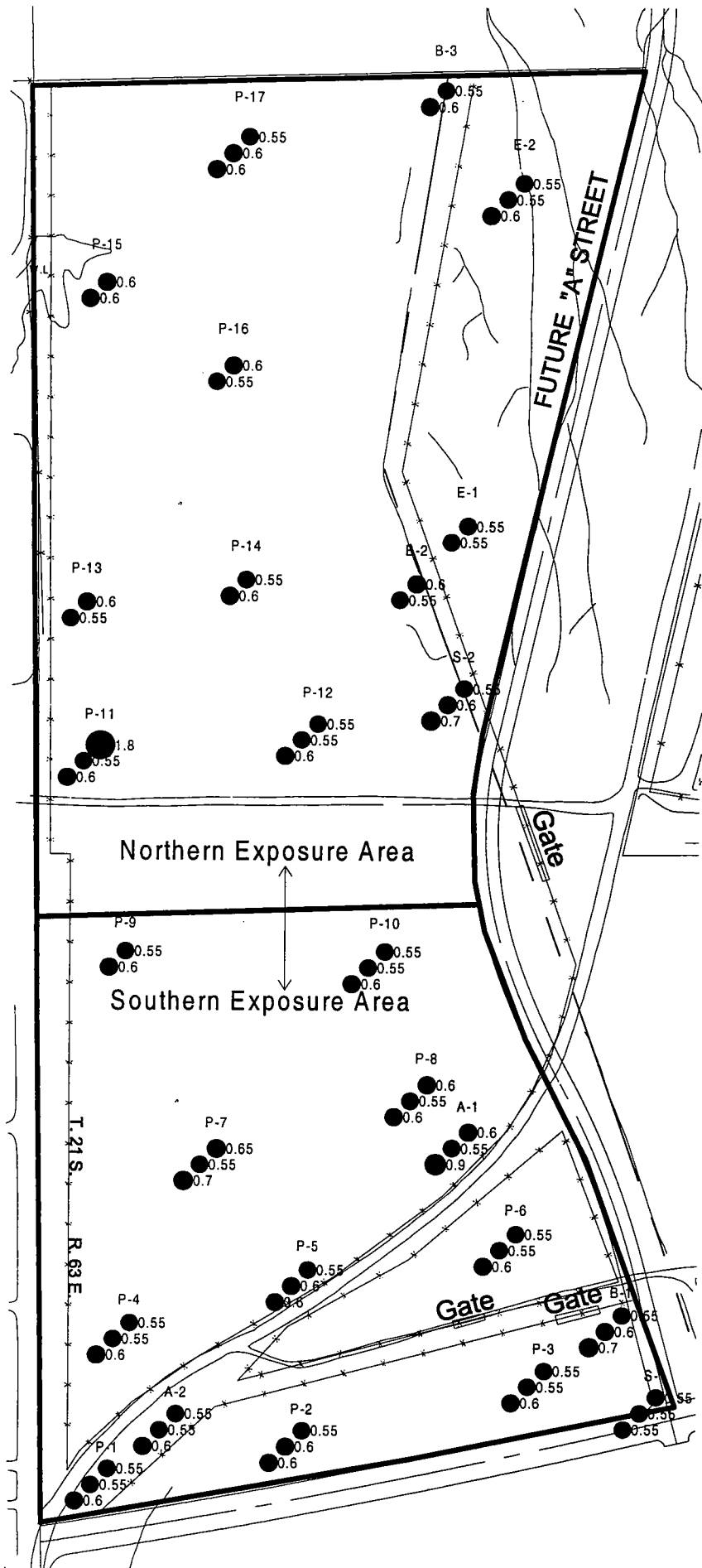
- Surface (0-1 foot) Sampling Interval
- Intermediate Sampling Interval
- Deepest Sampling Interval

Note: Surface interval indicator appears at the actual sample location

**Approximate Scale**

1 Inch = 265 Feet

N ↑



# ENVIRON

Data from May 2001  
Soil Sampling Event  
Concentrations of Xylenes µg/kg

**LEGEND**

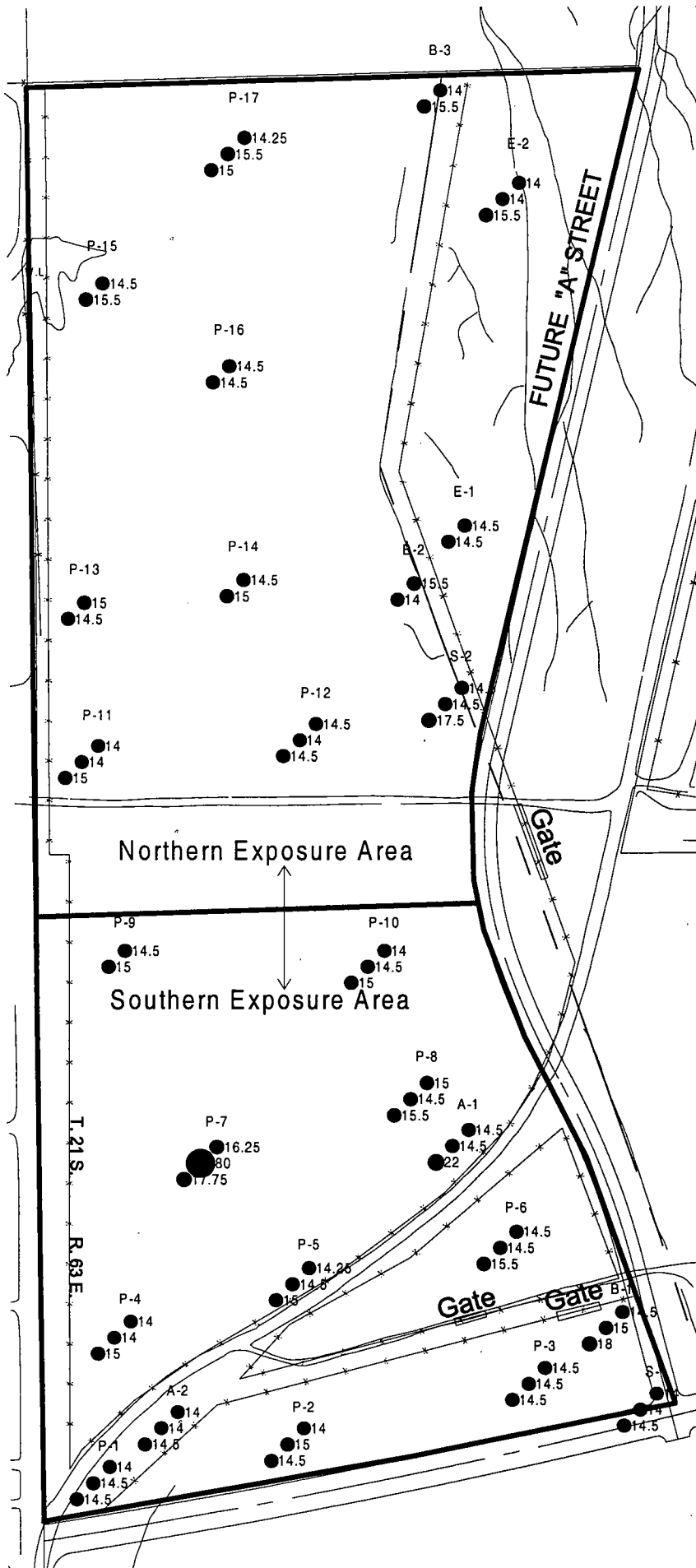
- Surface ( 0-1 foot ) Sampling Interval
- Intermediate Sampling Interval
- Deepest Sampling Interval

Note: Surface interval indicator appears at the actual sample location

**Approximate Scale**

1 Inch = 265 Feet

N ↑



# ENVIRON

Data from May 2001  
 Soil Sampling Event  
 Concentrations of Butyl Benzyl Phthalate µg/kg

**LEGEND**

- Surface (0-1 foot) Sampling Interval
- Intermediate Sampling Interval
- Deepest Sampling Interval

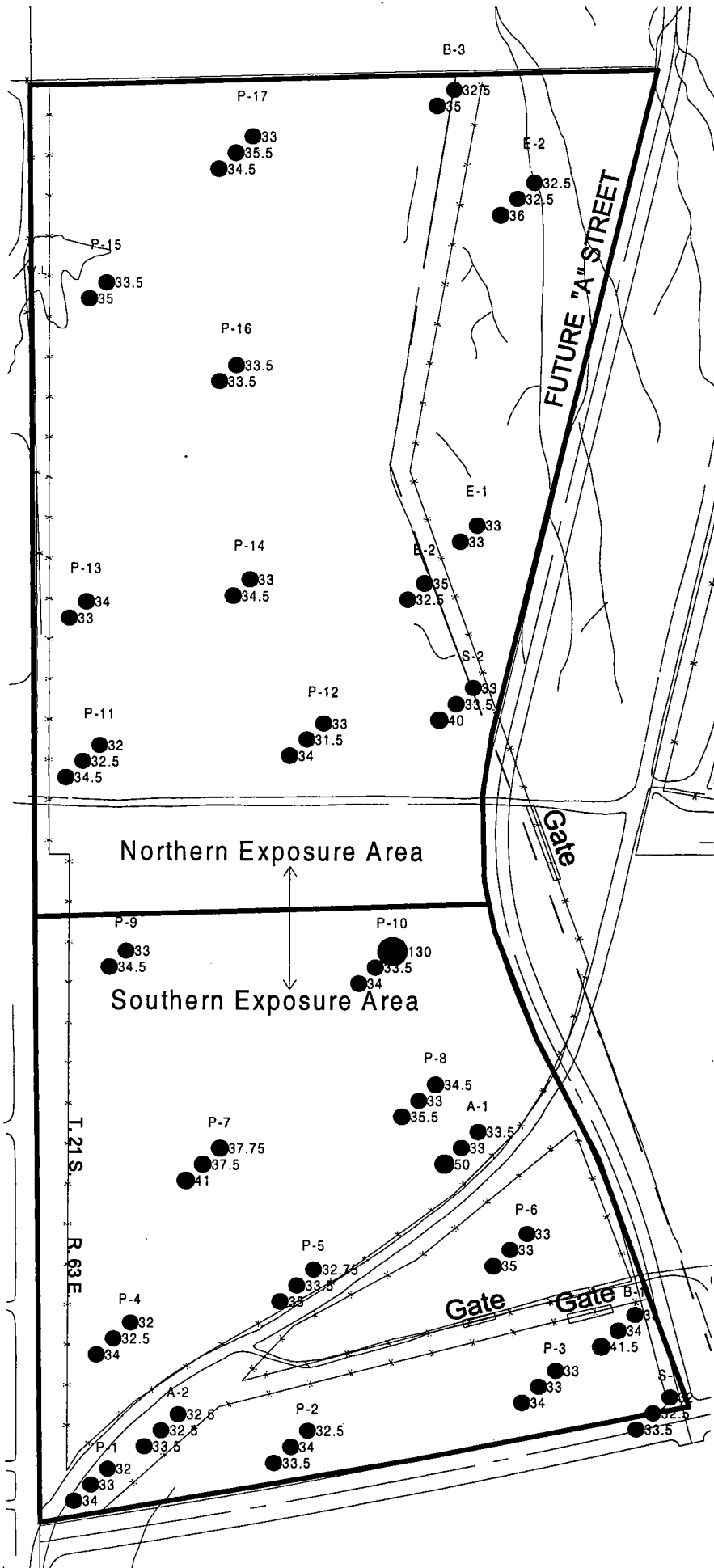
Note: Surface interval indicator appears at the actual sample location

**Approximate Scale**

1 Inch = 265 Feet

N ↑





# ENVIRON

Data from May 2001  
 Soil Sampling Event  
 Concentrations of di-n-Butyl Phthalate µg/kg

**LEGEND**

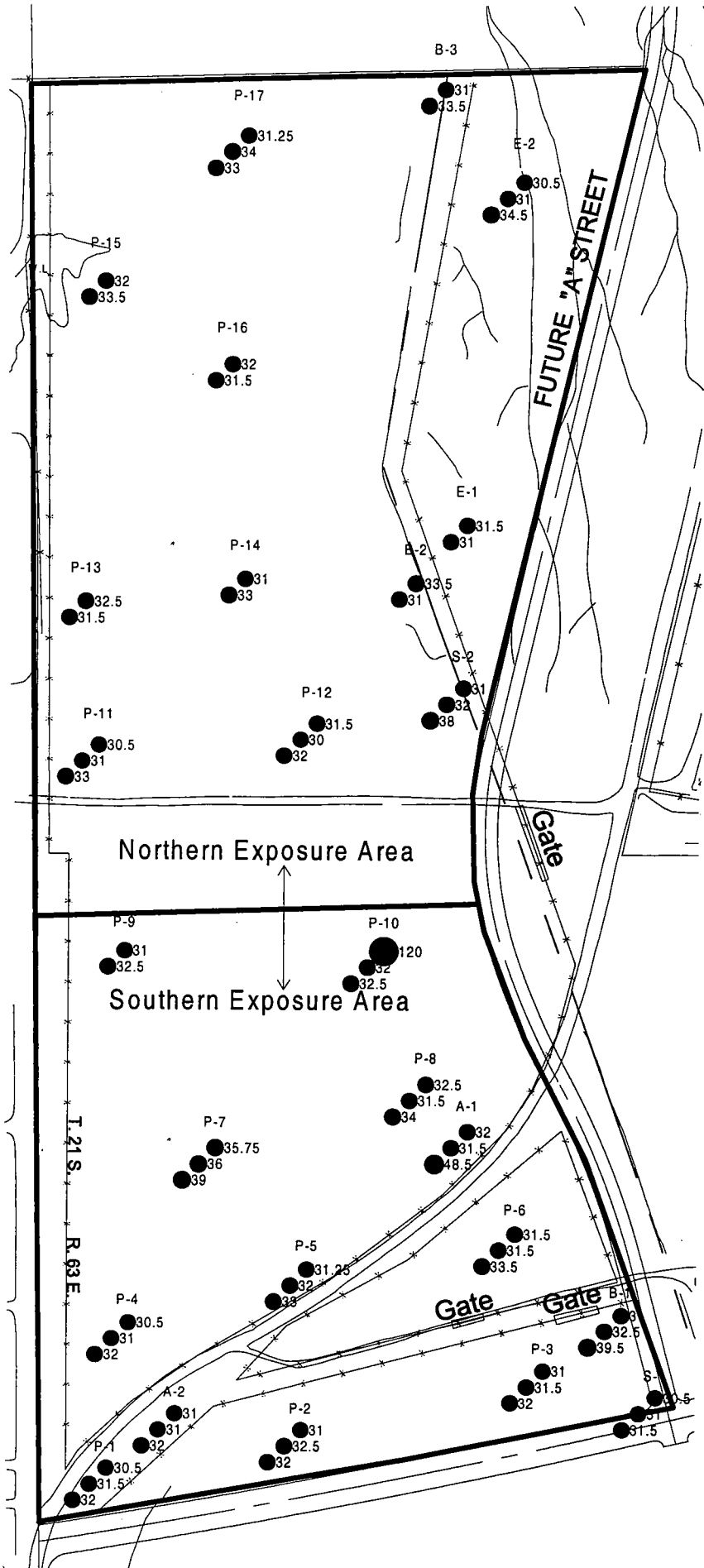
- Surface ( 0-1 foot ) Sampling Interval
- Intermediate Sampling Interval
- Deepest Sampling Interval

Note: Surface interval indicator appears at the actual sample location

**Approximate Scale**

1 Inch = 265 Feet

N ↑



# ENVIRON

Data from May 2001  
Soil Sampling Event  
Concentrations of Phenol µg/kg

**LEGEND**

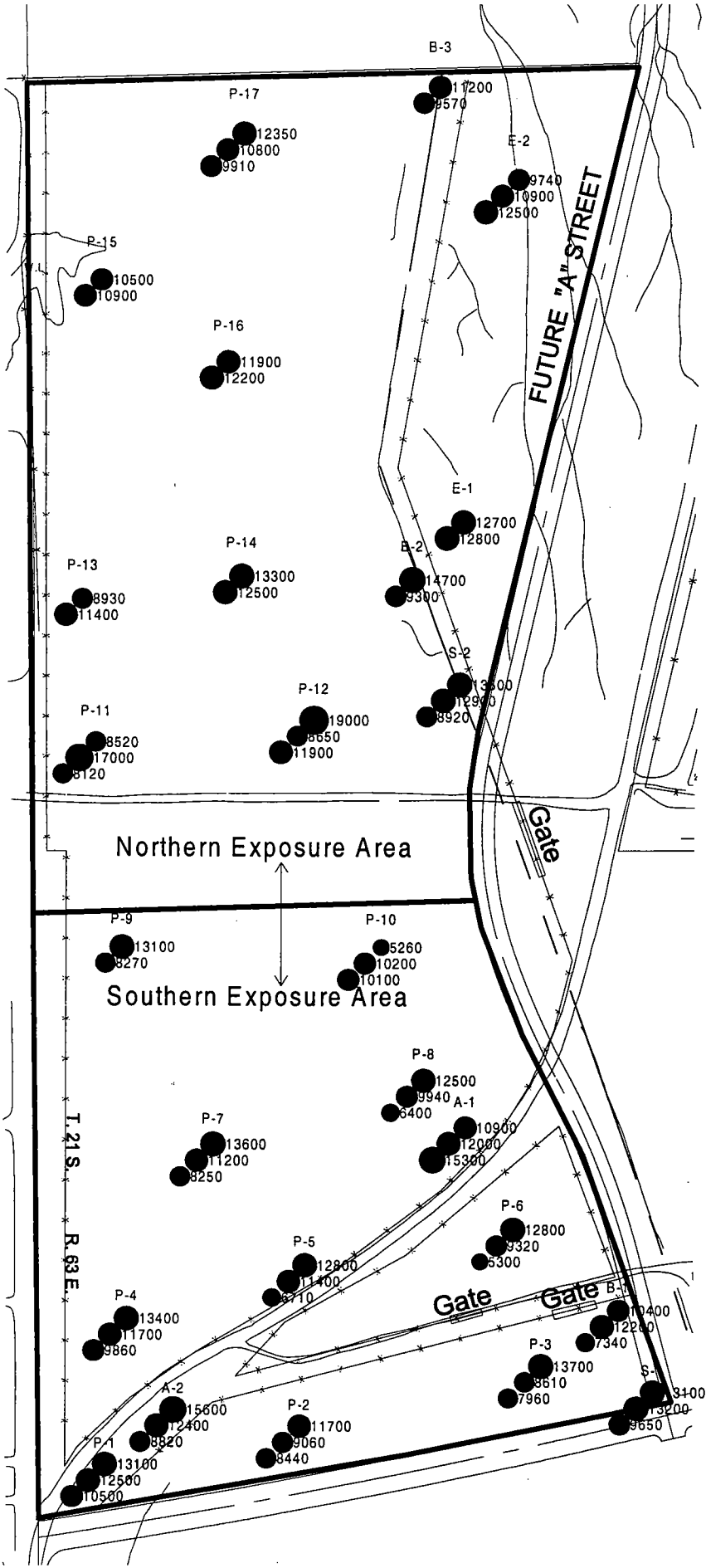
- Surface ( 0-1 foot ) Sampling Interval
- Intermediate Sampling Interval
- Deepest Sampling Interval

Note: Surface interval indicator appears at the actual sample location

**Approximate Scale**

1 Inch = 265 Feet

N ↑



# ENVIRONMENT

Data from May 2001  
Soil Sampling Event  
Concentrations of Aluminum mg/kg

**LEGEND**

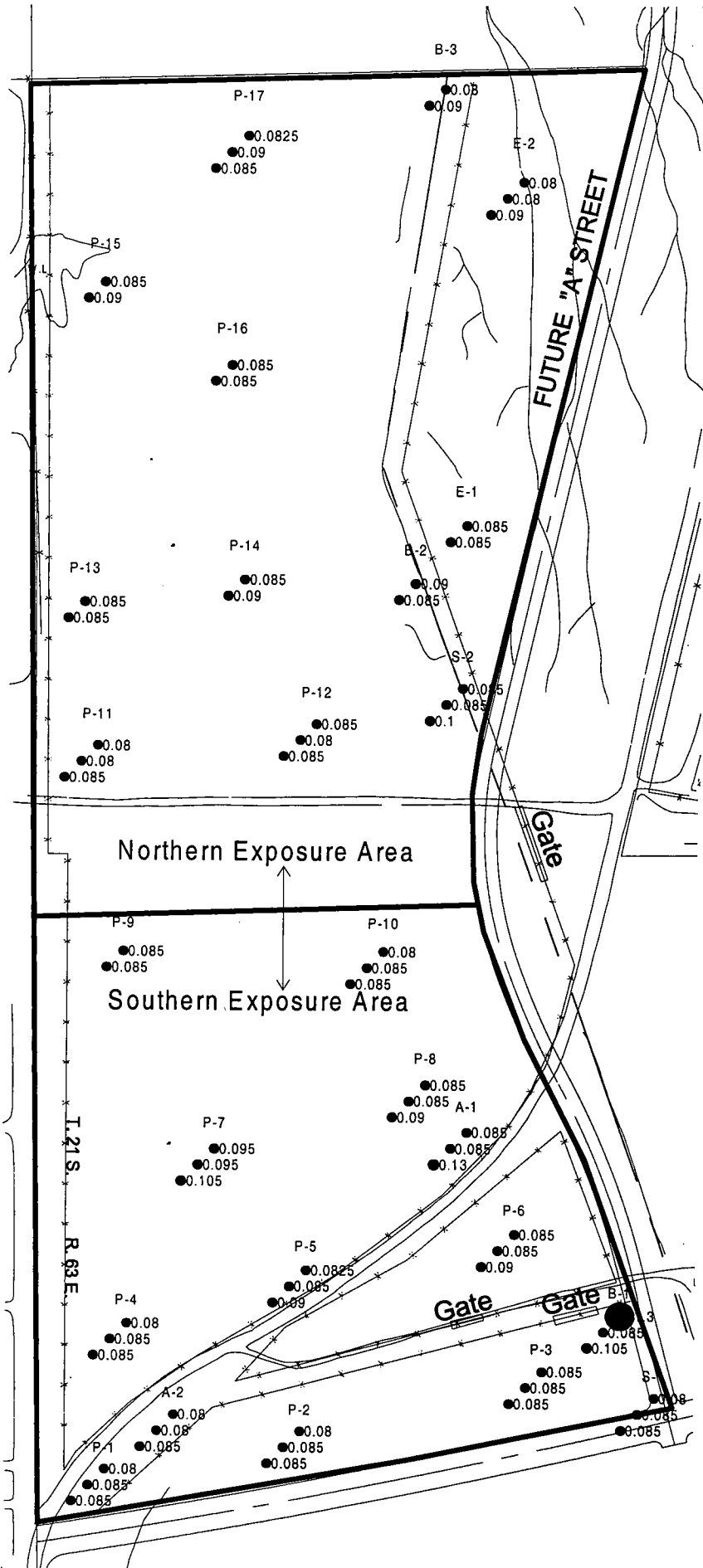
- Surface ( 0-1 foot ) Sampling Interval
- Intermediate Sampling Interval
- Deepest Sampling Interval

Note: Surface interval indicator appears at the actual sample location

**Approximate Scale**

1 Inch = 265 Feet

N ↑



# ENVIRON

Data from May 2001  
 Soil Sampling Event  
 Concentrations of Antimony mg/kg

**LEGEND**

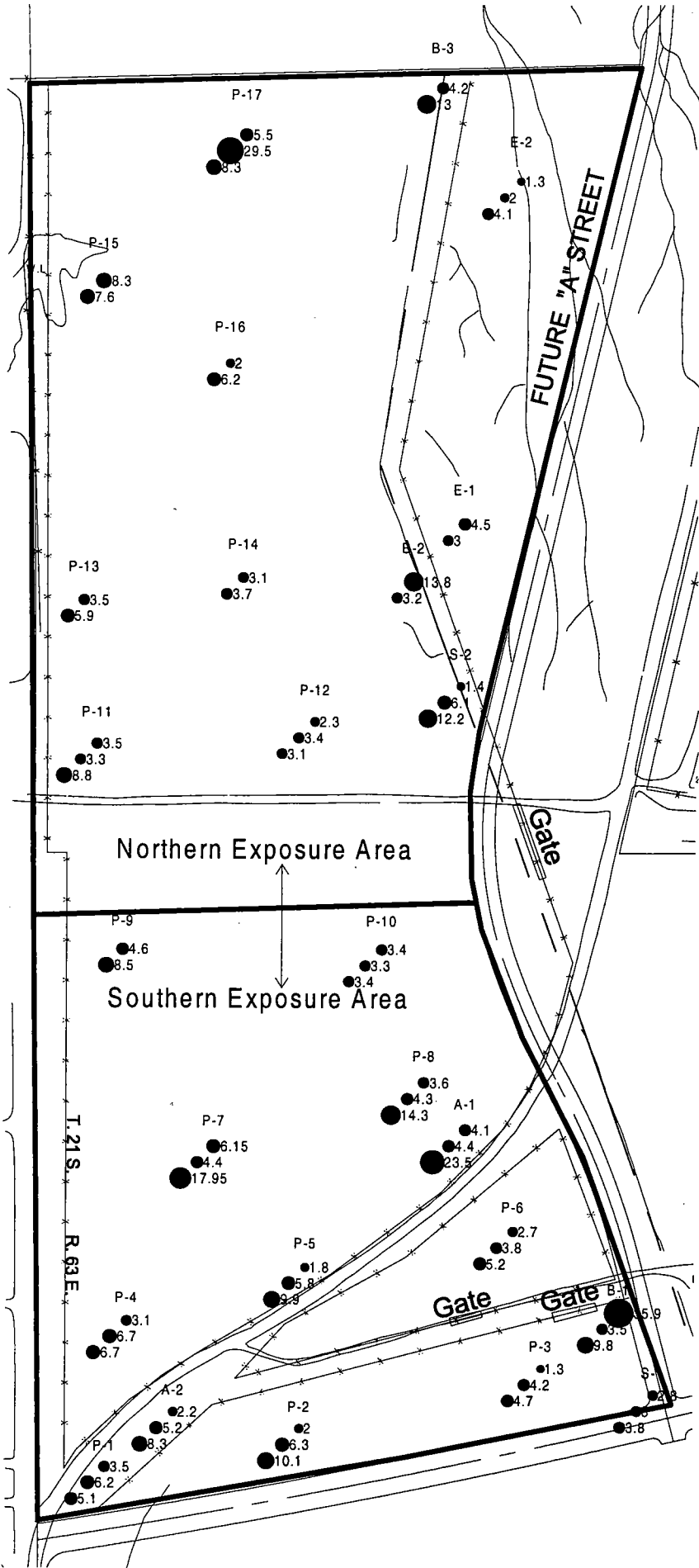
- Surface ( 0-1 foot ) Sampling Interval
- Intermediate Sampling Interval
- Deepest Sampling Interval

Note: Surface interval indicator appears at the actual sample location

**Approximate Scale**

1 Inch = 265 Feet

N ↑



# ENVIRON

Data from May 2001  
Soil Sampling Event  
Concentrations of Arsenic mg/kg

**LEGEND**

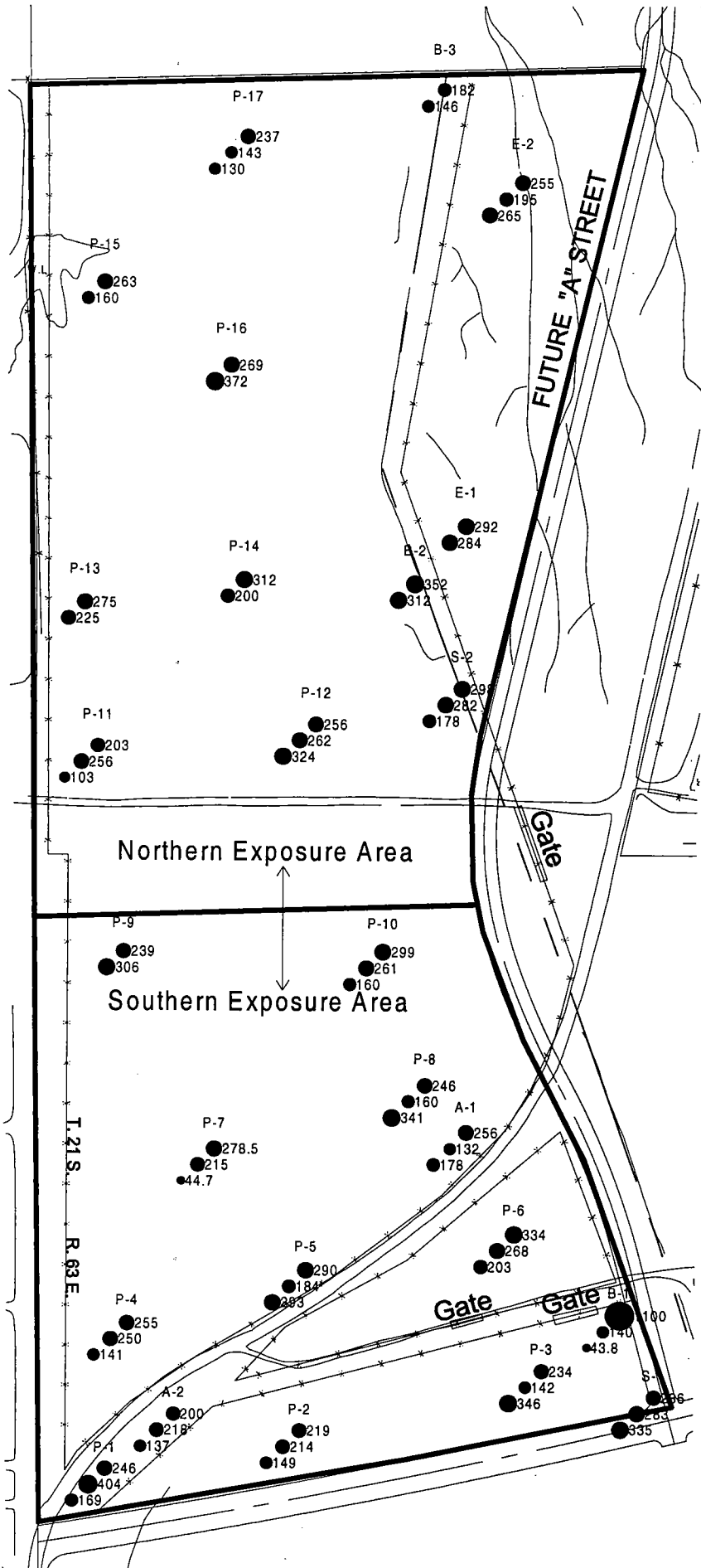
- Surface ( 0-1 foot ) Sampling Interval
- Intermediate Sampling Interval
- Deepest Sampling Interval

Note: Surface interval indicator appears at the actual sample location

**Approximate Scale**

1 Inch = 265 Feet

N



# ENVIRON

Data from May 2001  
Soil Sampling Event  
Concentrations of Barium mg/kg

**LEGEND**

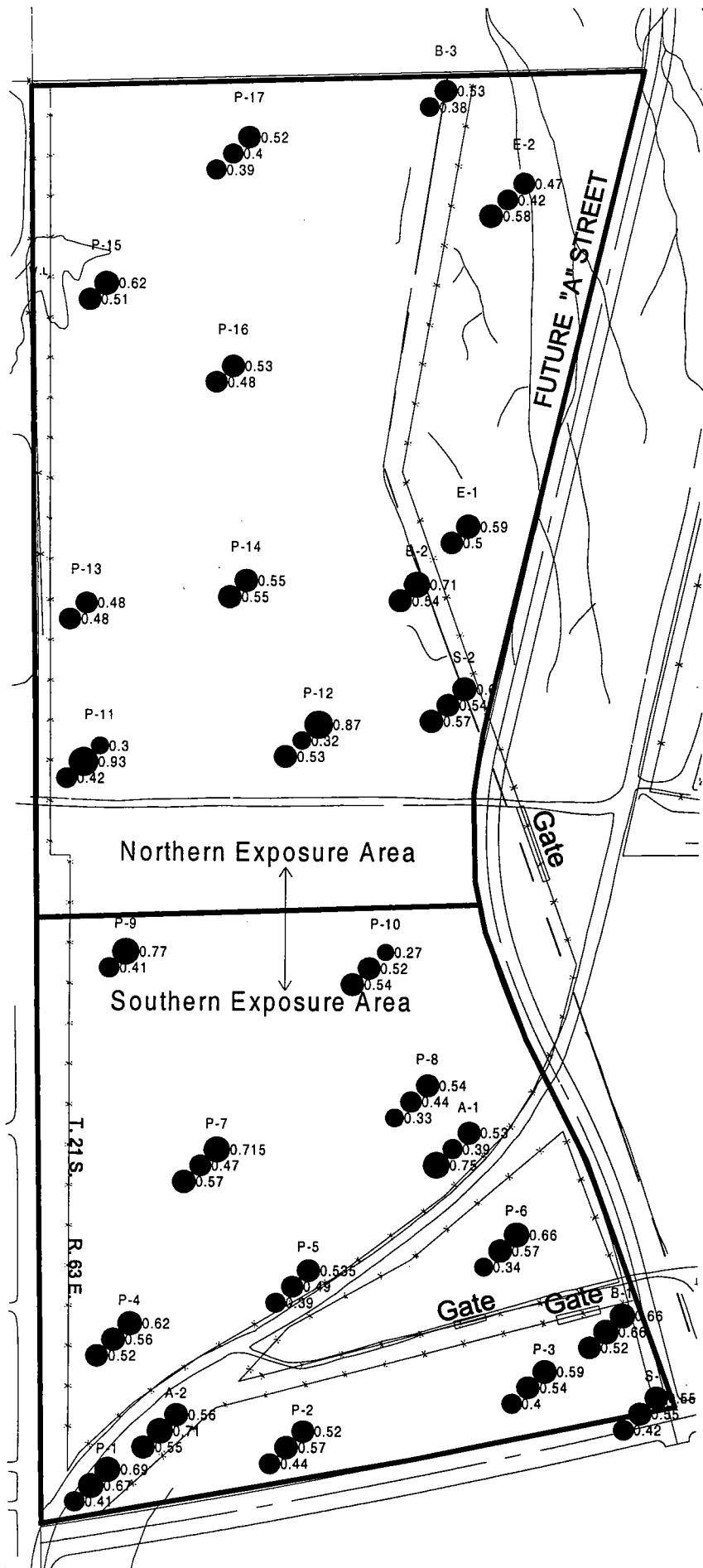
- Surface (0-1 foot) Sampling Interval
- Intermediate Sampling Interval
- Deepest Sampling Interval

Note: Surface interval indicator appears at the actual sample location

**Approximate Scale**

1 Inch = 265 Feet

N ↑



# ENVIRON

Data from May 2001  
Soil Sampling Event  
Concentrations of Beryllium mg/kg

**LEGEND**

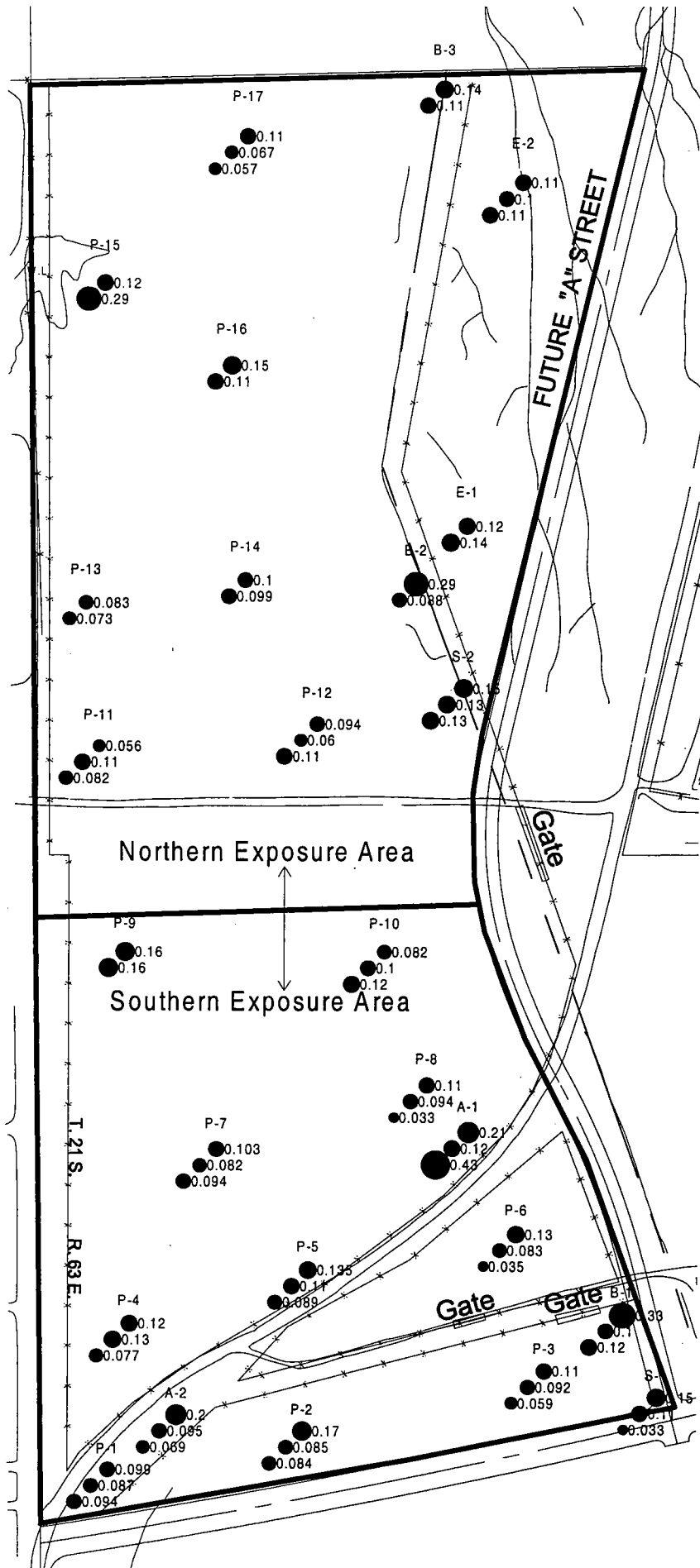
- Surface (0-1 foot) Sampling Interval
- Intermediate Sampling Interval
- Deepest Sampling Interval

Note: Surface interval indicator appears at the actual sample location

**Approximate Scale**

1 Inch = 265 Feet

N ↑



# ENVIRON

Data from May 2001  
Soil Sampling Event  
Concentrations of Cadmium mg/kg

**LEGEND**

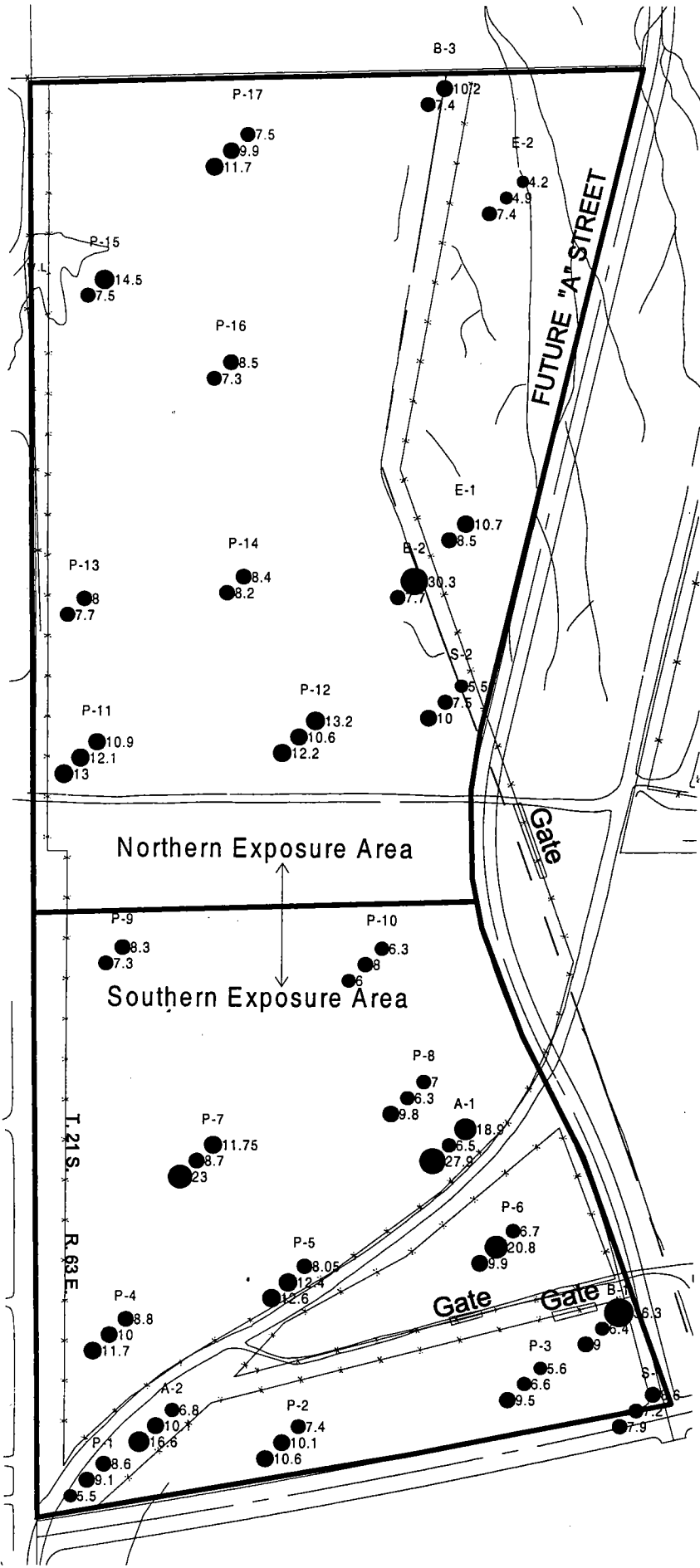
- Surface ( 0-1 foot ) Sampling Interval
- Intermediate Sampling Interval
- Deepest Sampling Interval

Note: Surface interval indicator appears at the actual sample location

**Approximate Scale**  
1 Inch = 265 Feet

N ↑





# ENVIRONMENTAL

Data from May 2001  
Soil Sampling Event  
Concentrations of Chromium mg/kg

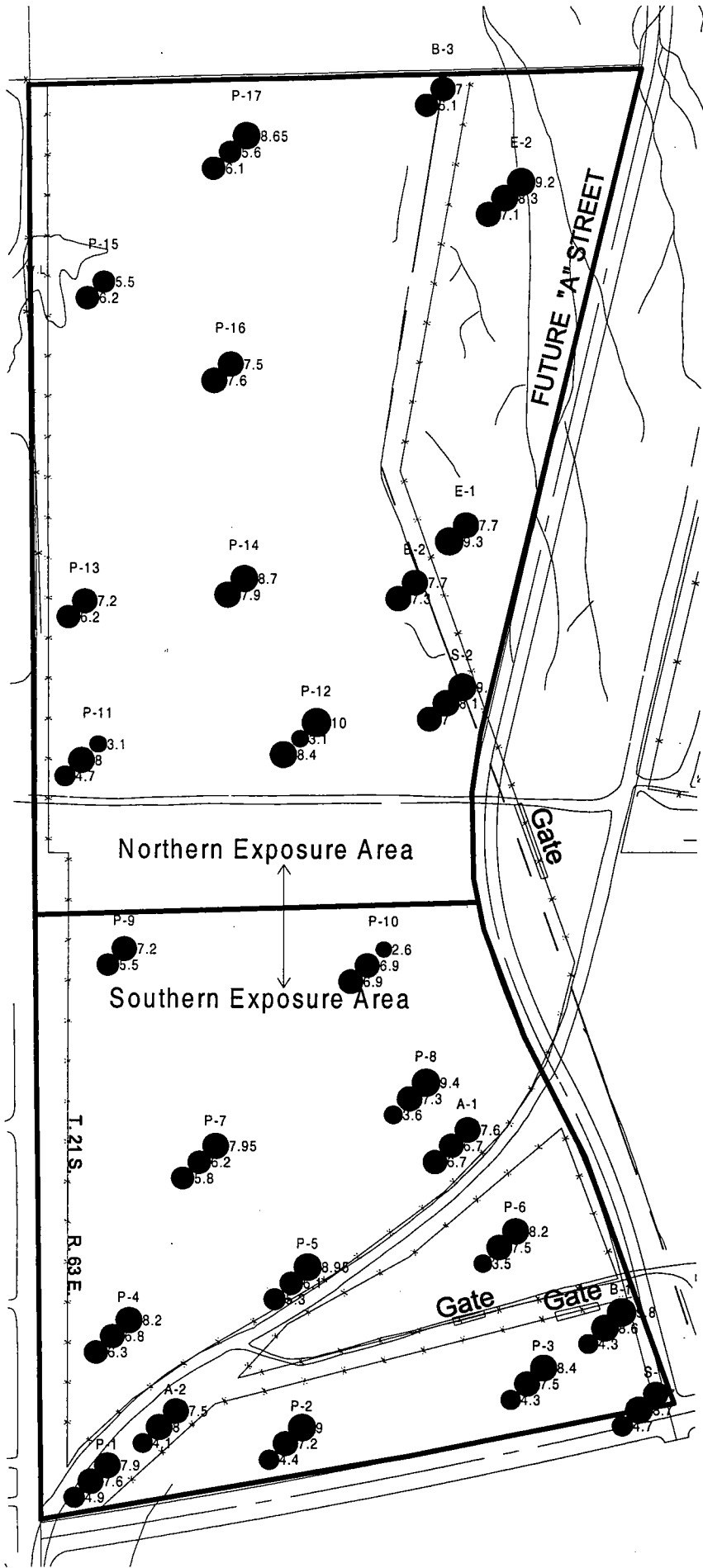
**LEGEND**

- Surface ( 0-1 foot ) Sampling Interval
- Intermediate Sampling Interval
- Deepest Sampling Interval

Note: Surface interval indicator appears at the actual sample location

**Approximate Scale**  
1 Inch = 265 Feet

N ↑



# ENVIRON

Data from May 2001  
 Soil Sampling Event  
 Concentrations of Cobalt mg/kg

**LEGEND**

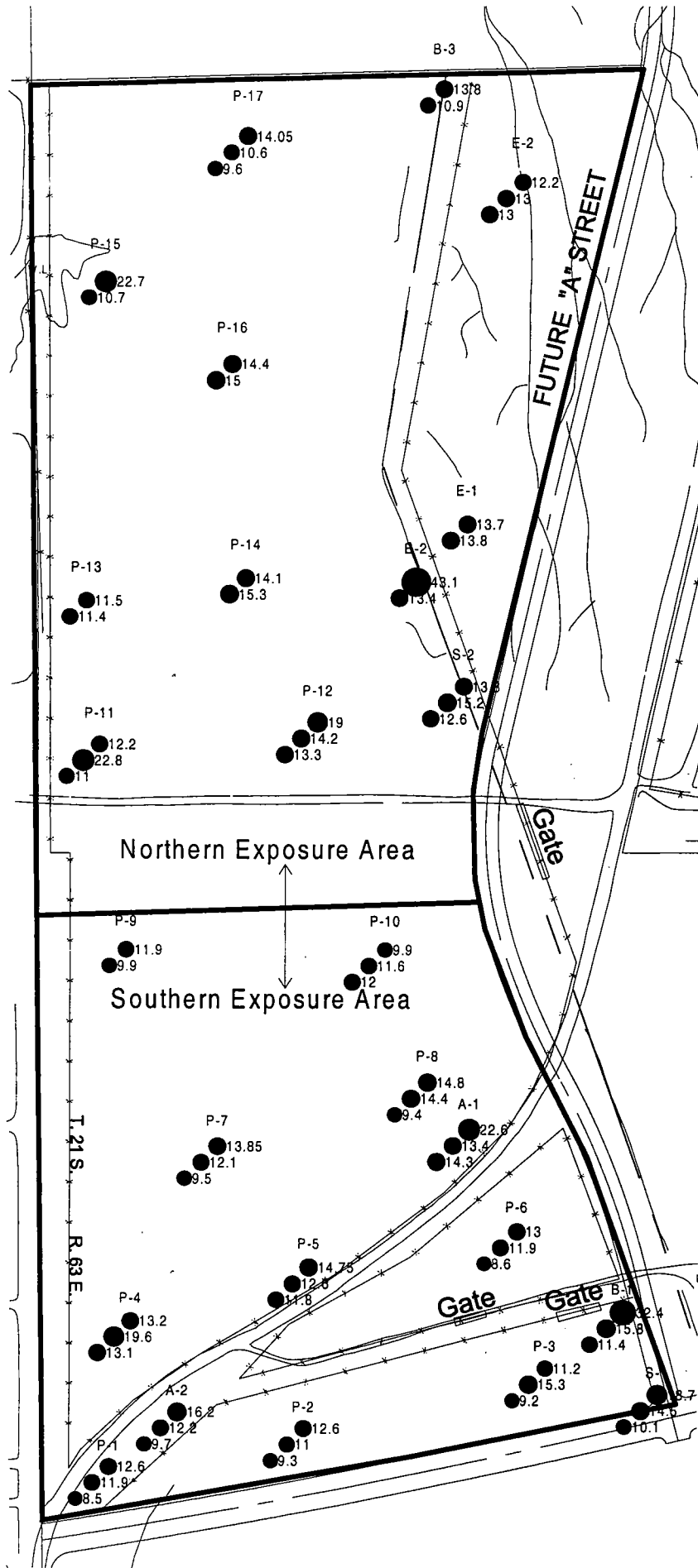
- Surface (0-1 foot) Sampling Interval
- Intermediate Sampling Interval
- Deepest Sampling Interval

Note: Surface interval indicator appears at the actual sample location

**Approximate Scale**

1 Inch = 265 Feet

N ↑



# ENVIRONMENTAL

Data from May 2001  
Soil Sampling Event  
Concentrations of Copper mg/kg

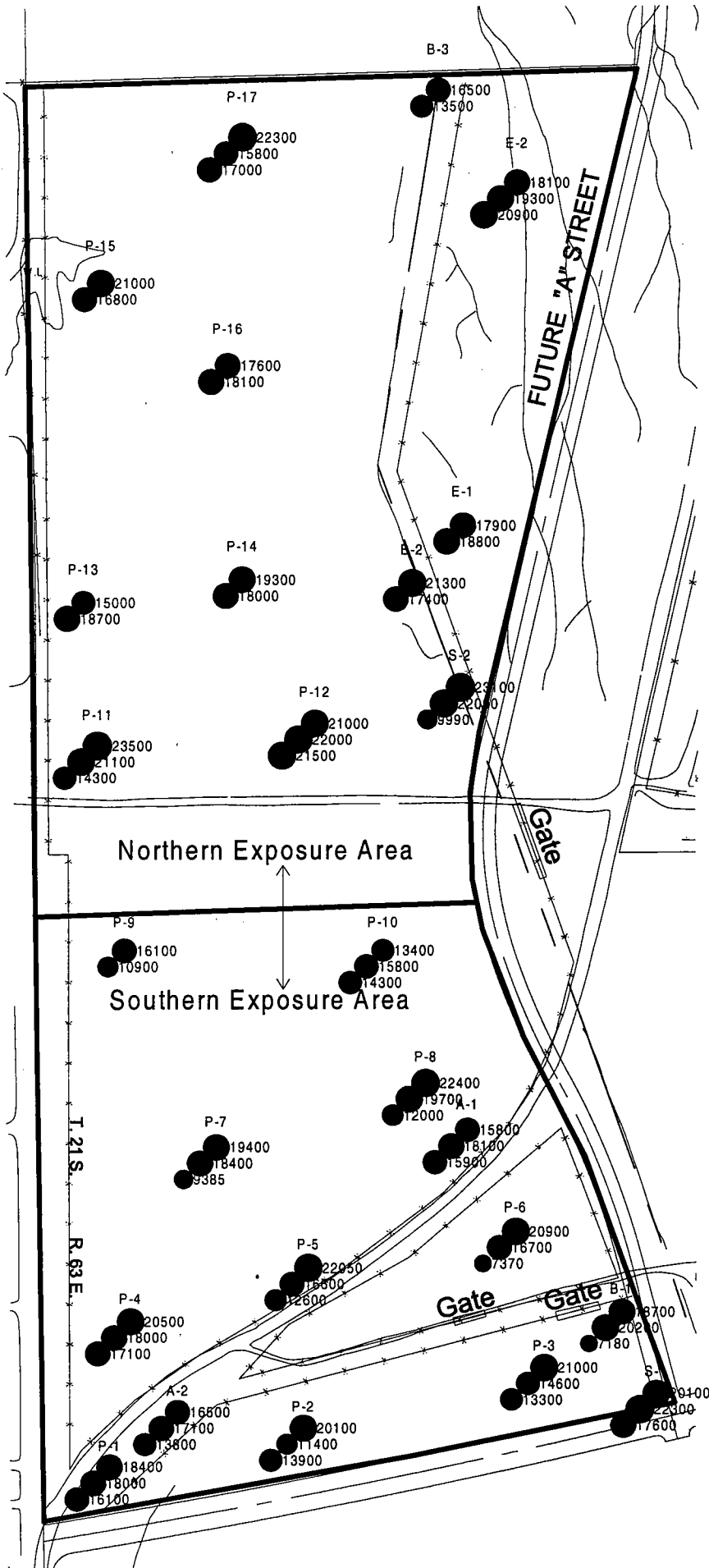
**LEGEND**

- Surface (0-1 foot) Sampling Interval
- Intermediate Sampling Interval
- Deepest Sampling Interval

Note: Surface interval indicator appears at the actual sample location

**Approximate Scale**  
1 Inch = 265 Feet

N



# ENVIRON

Data from May 2001  
Soil Sampling Event  
Concentrations of Iron mg/kg

**LEGEND**

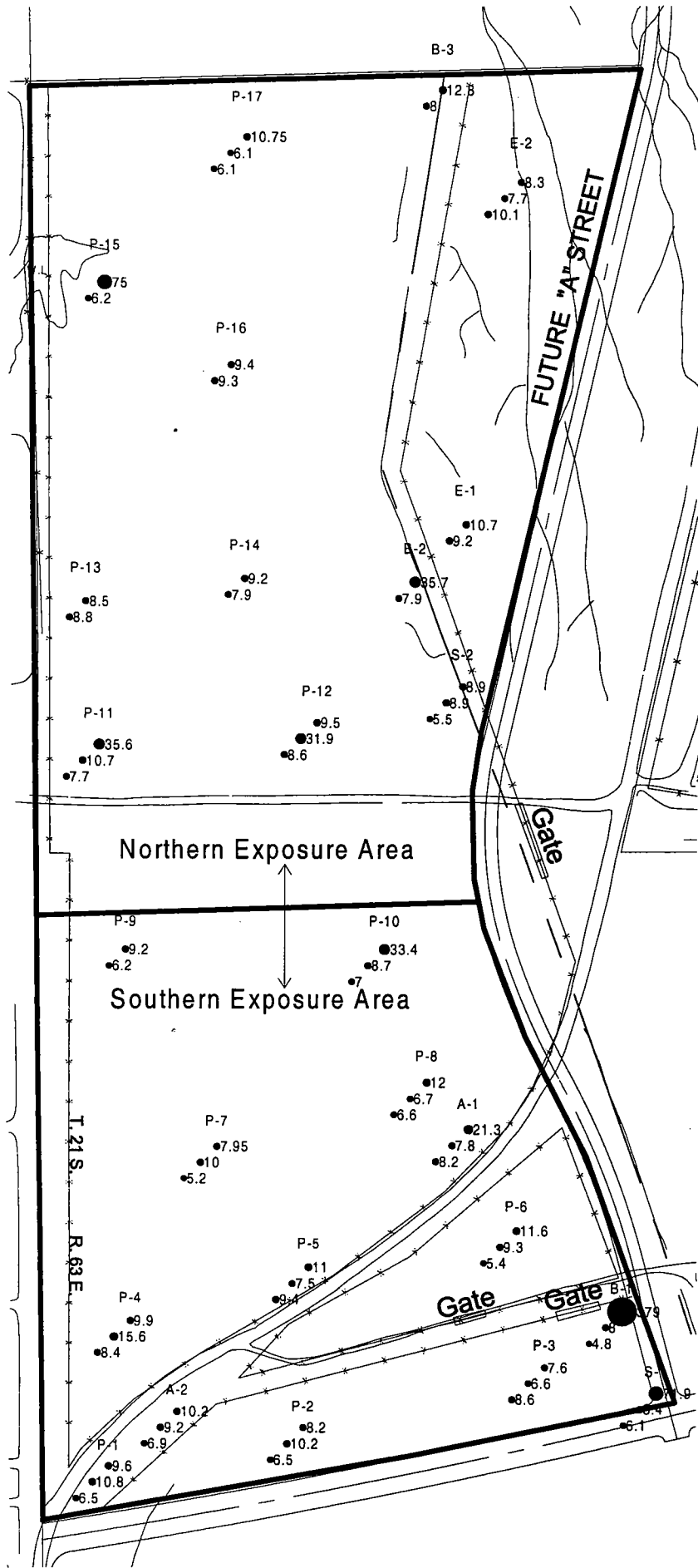
- Surface (0-1 foot) Sampling Interval
- Intermediate Sampling Interval
- Deepest Sampling Interval

Note: Surface interval indicator appears at the actual sample location

**Approximate Scale**

1 Inch = 265 Feet

N ↑



# ENVIRON

Data from May 2001  
Soil Sampling Event  
Concentrations of Lead mg/kg

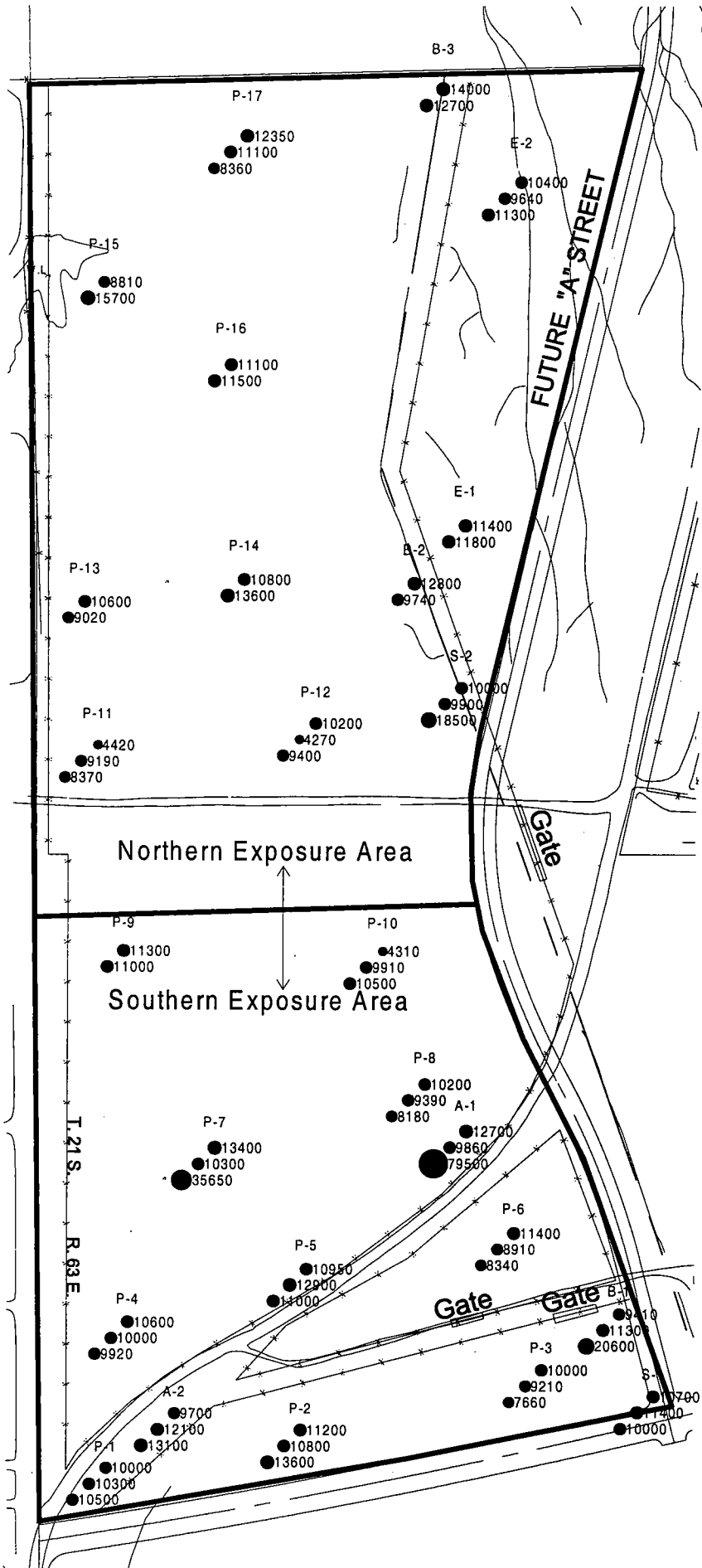
**LEGEND**

- Surface ( 0-1 foot ) Sampling Interval
- Intermediate Sampling Interval
- Deepest Sampling Interval

Note: Surface interval indicator appears at the actual sample location

**Approximate Scale**  
1 Inch = 265 Feet

N



# ENVIRON

Data from May 2001  
Soil Sampling Event  
Concentrations of Magnesium mg/kg

**LEGEND**

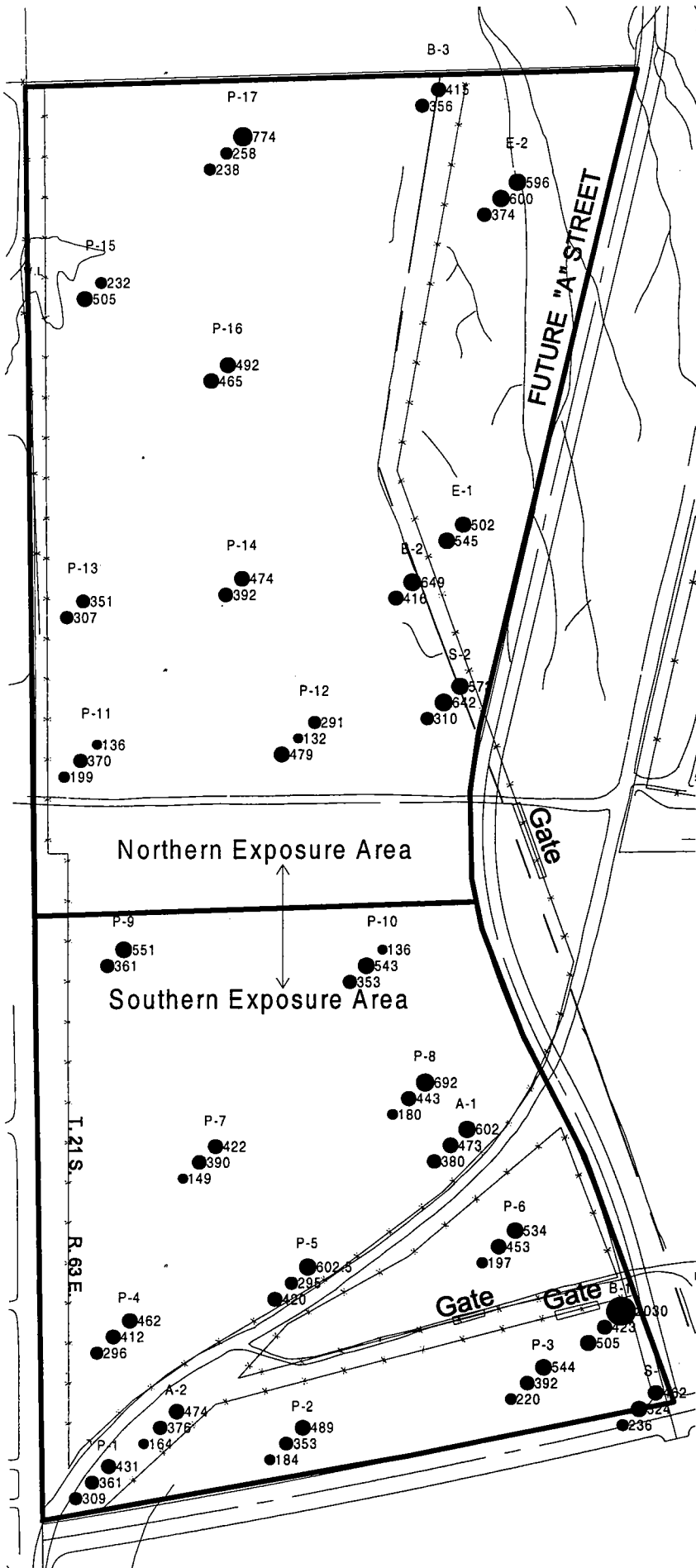
- Surface ( 0-1 foot ) Sampling Interval
- Intermediate Sampling Interval
- Deepest Sampling Interval

Note: Surface interval indicator appears at the actual sample location

**Approximate Scale**

1 Inch = 265 Feet

N



# ENVIRONMENT

Data from May 2001  
Soil Sampling Event  
Concentrations of Manganese mg/kg

**LEGEND**

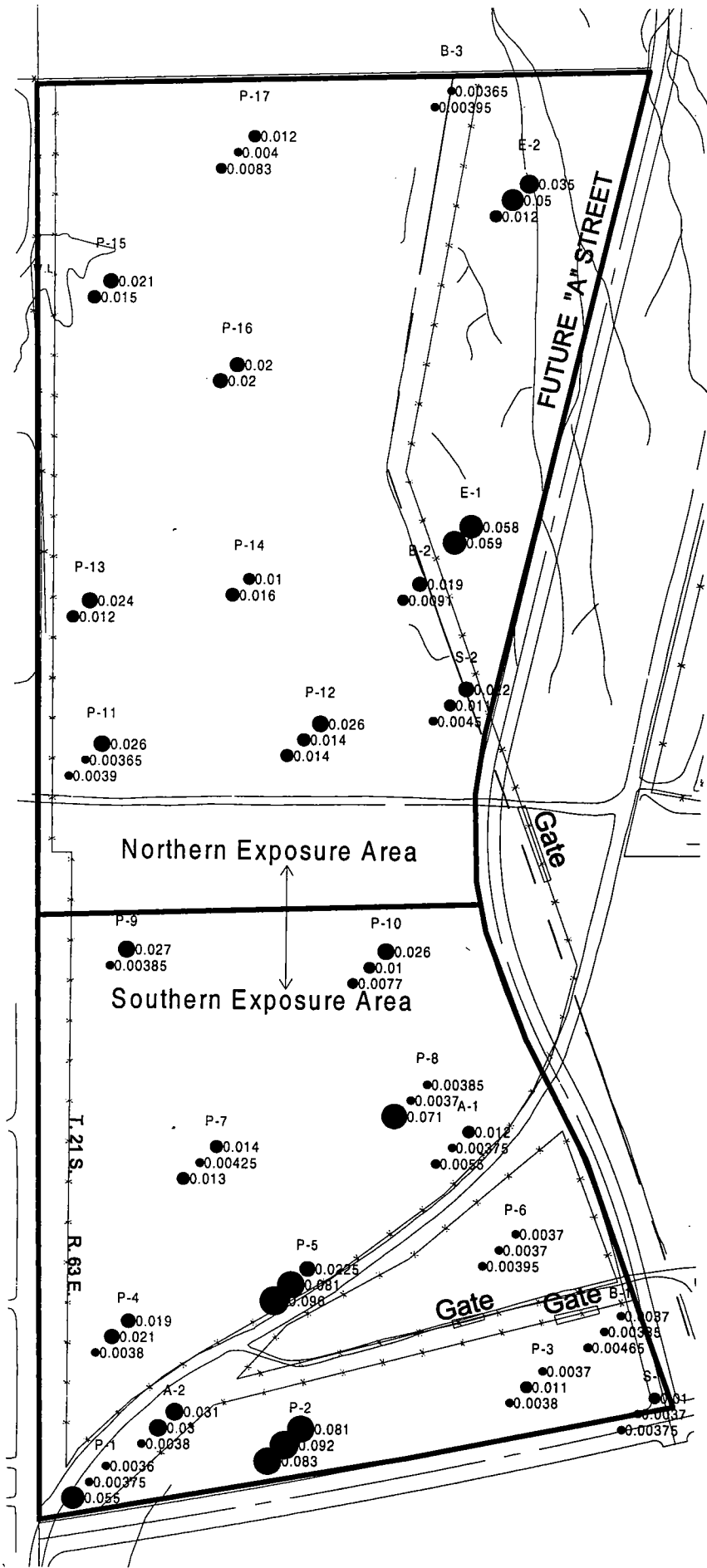
- Surface ( 0-1 foot ) Sampling Interval
- Intermediate Sampling Interval
- Deepest Sampling Interval

Note: Surface interval indicator appears at the actual sample location

**Approximate Scale**

1 Inch = 265 Feet

N



# ENVIRON

Data from May 2001  
Soil Sampling Event  
Concentrations of Mercury mg/kg

**LEGEND**

- Surface (0-1 foot) Sampling Interval
- Intermediate Sampling Interval
- Deepest Sampling Interval

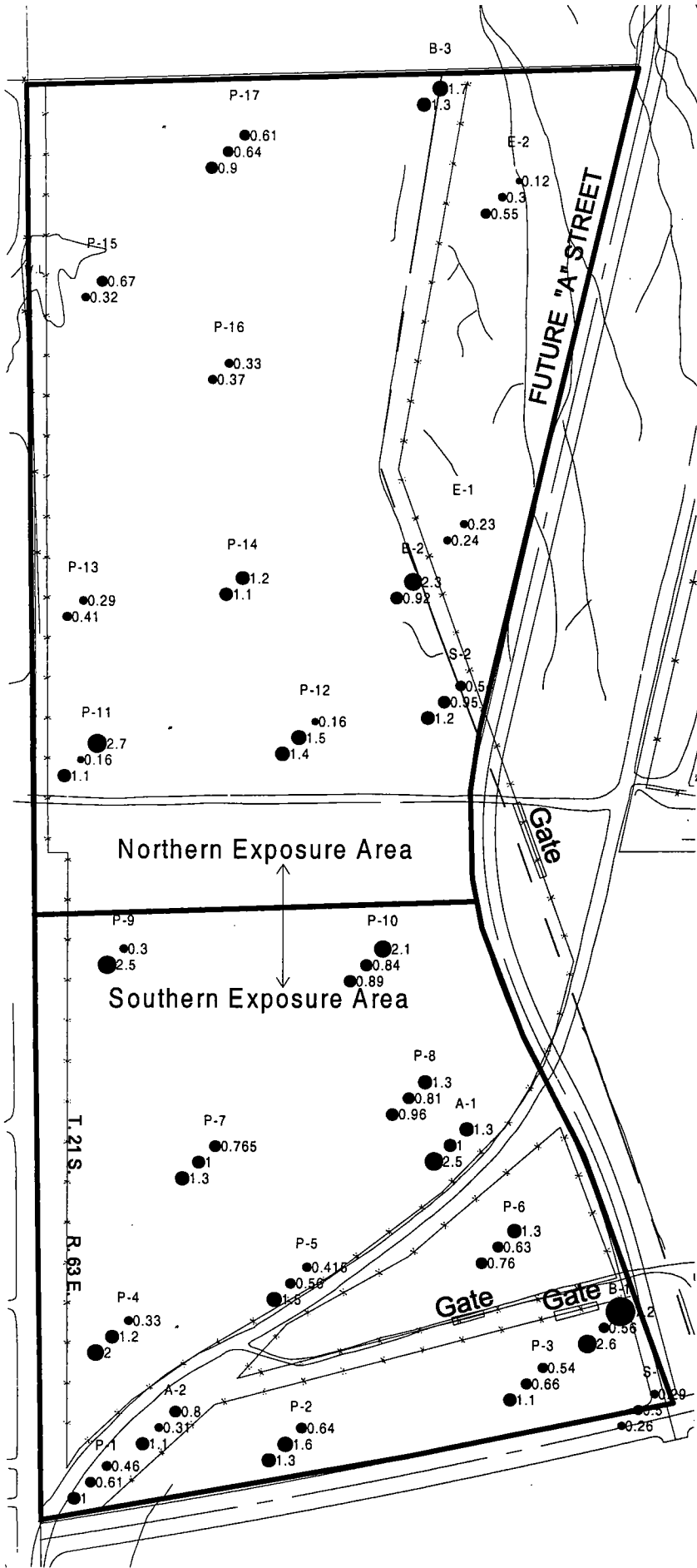
Note: Surface interval indicator appears at the actual sample location

**Approximate Scale**

1 Inch = 265 Feet

N ↑





# ENVIRONMENT

Data from May 2001  
 Soil Sampling Event  
 Concentrations of Molybdenum mg/kg

**LEGEND**

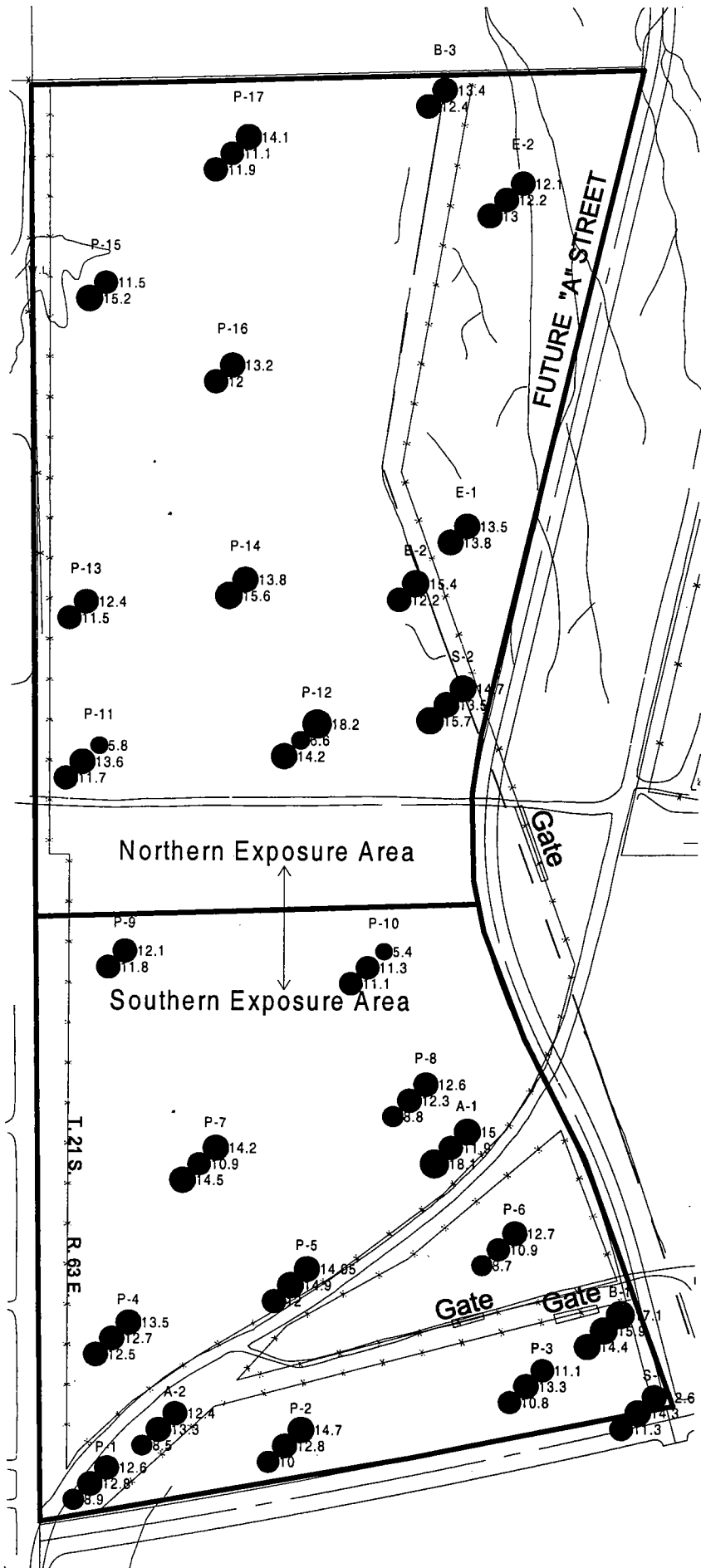
- Surface ( 0-1 foot ) Sampling Interval
- Intermediate Sampling Interval
- Deepest Sampling Interval

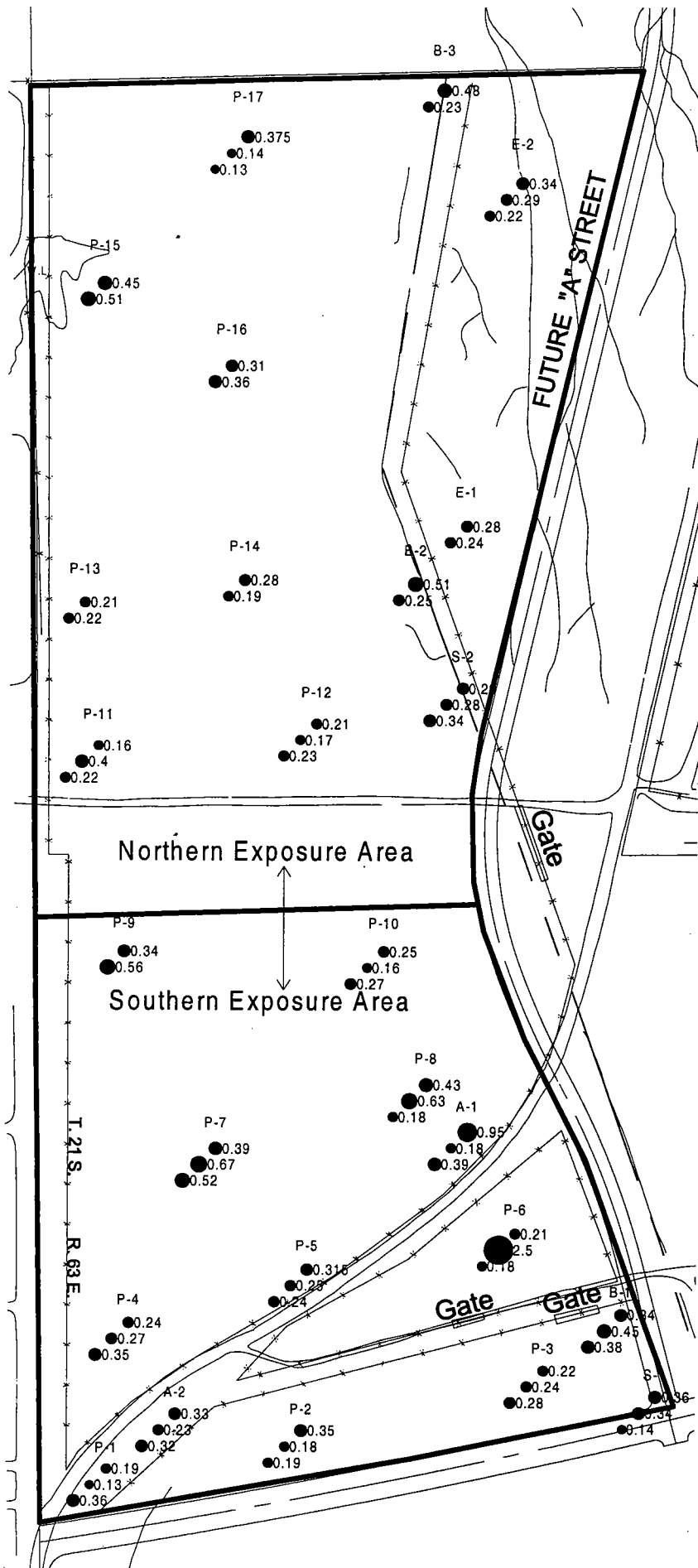
Note: Surface interval indicator appears at the actual sample location

**Approximate Scale**

1 Inch = 265 Feet

N





# ENVIRON

Data from May 2001  
Soil Sampling Event  
Concentrations of Selenium mg/kg

**LEGEND**

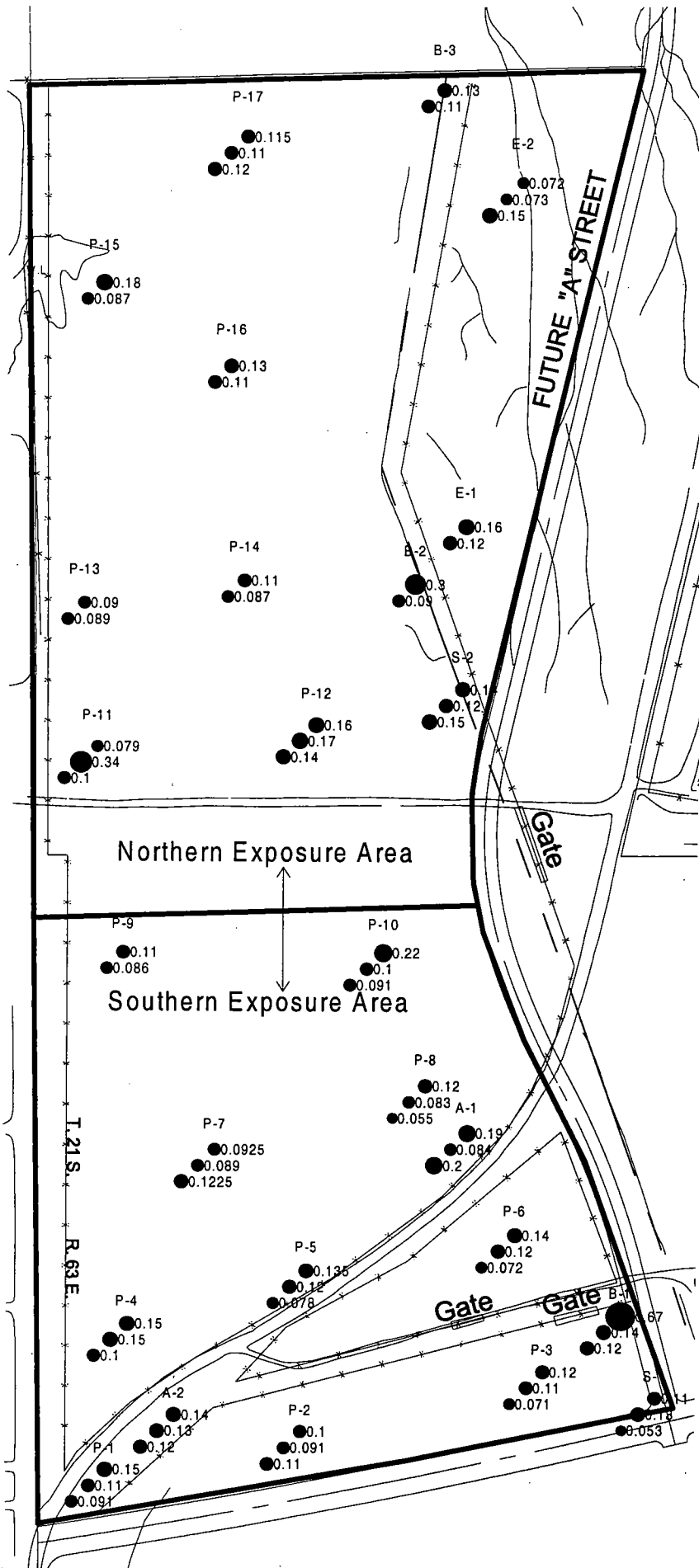
- Surface ( 0-1 foot ) Sampling Interval
- Intermediate Sampling Interval
- Deepest Sampling Interval

**Note:** Surface interval indicator appears at the actual sample location

**Approximate Scale**

1 Inch = 265 Feet

N ↑



# ENVIRON

Data from May 2001  
Soil Sampling Event  
Concentrations of Silver mg/kg

**LEGEND**

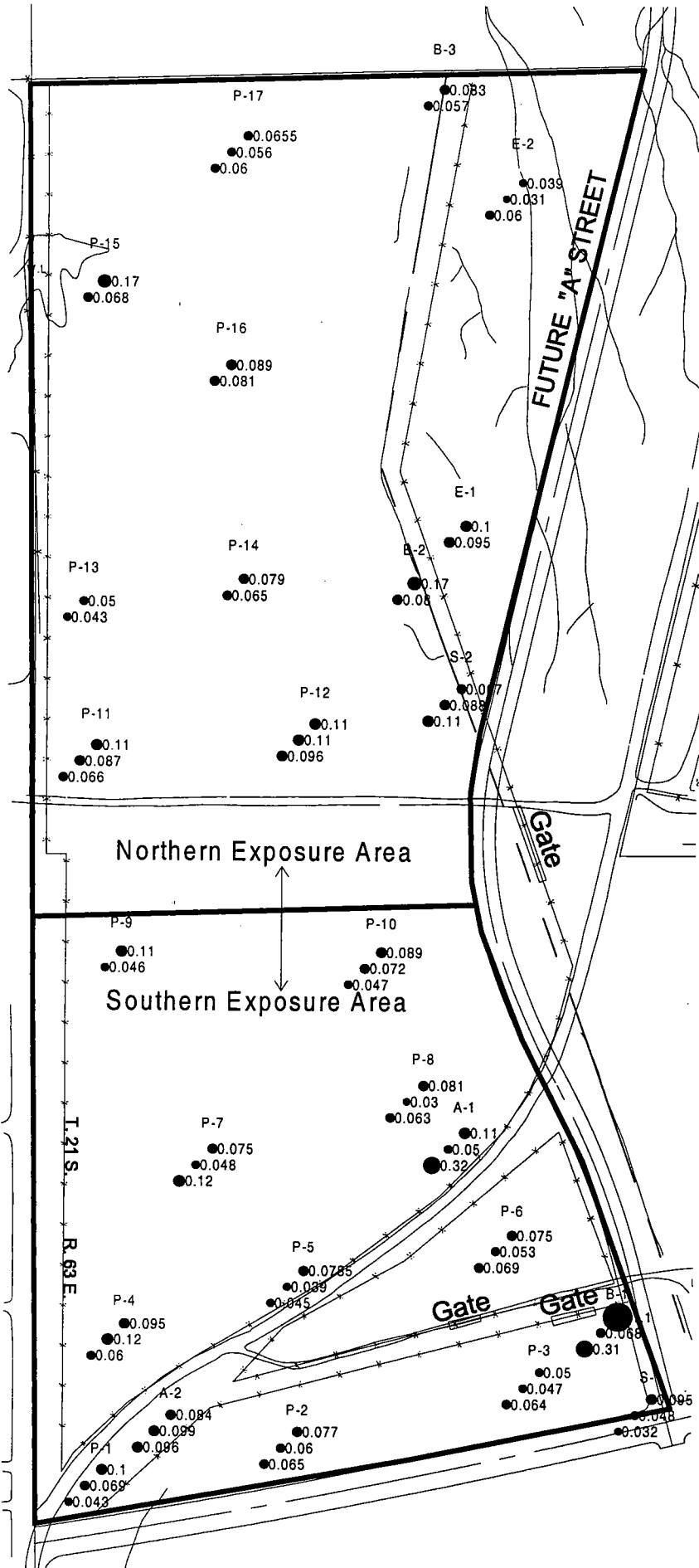
- Surface (0-1 foot) Sampling Interval
- Intermediate Sampling Interval
- Deepest Sampling Interval

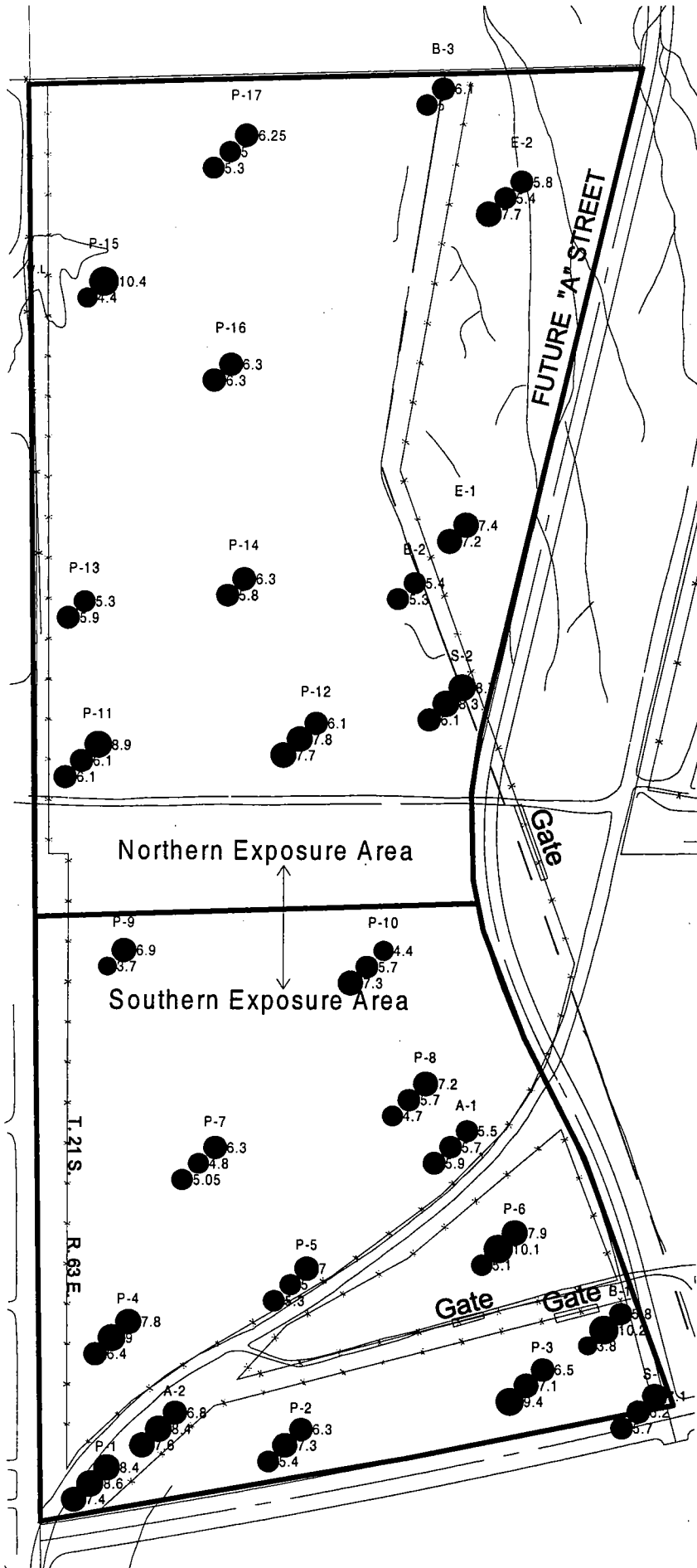
Note: Surface interval indicator appears at the actual sample location

**Approximate Scale**

1 Inch = 265 Feet

N





# ENVIRON

Data from May 2001  
Soil Sampling Event  
Concentrations of Thorium mg/kg

**LEGEND**

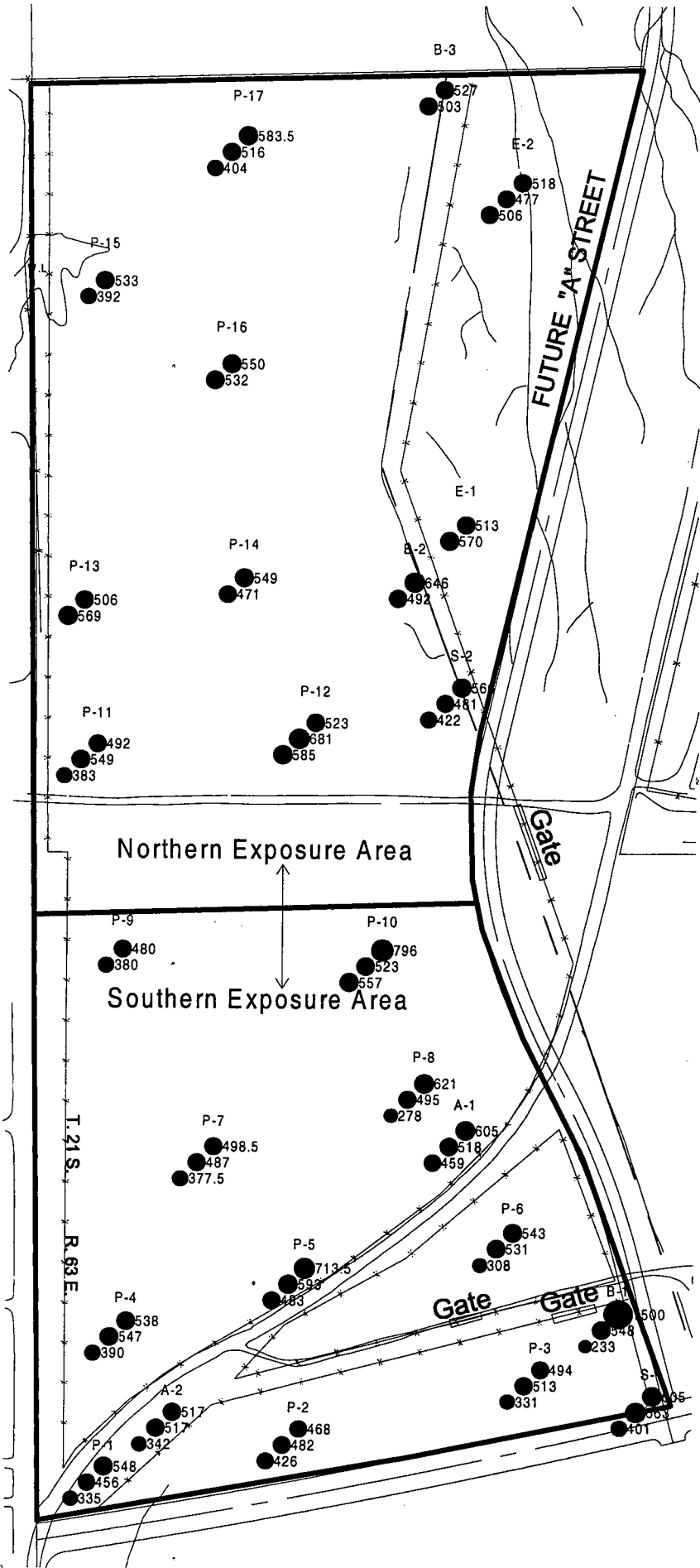
- Surface (0-1 foot) Sampling Interval
- Intermediate Sampling Interval
- Deepest Sampling Interval

Note: Surface interval indicator appears at the actual sample location

**Approximate Scale**

1 Inch = 265 Feet

N ↑



# ENVIRON

Data from May 2001  
Soil Sampling Event  
Concentrations of Titanium mg/kg

**LEGEND**

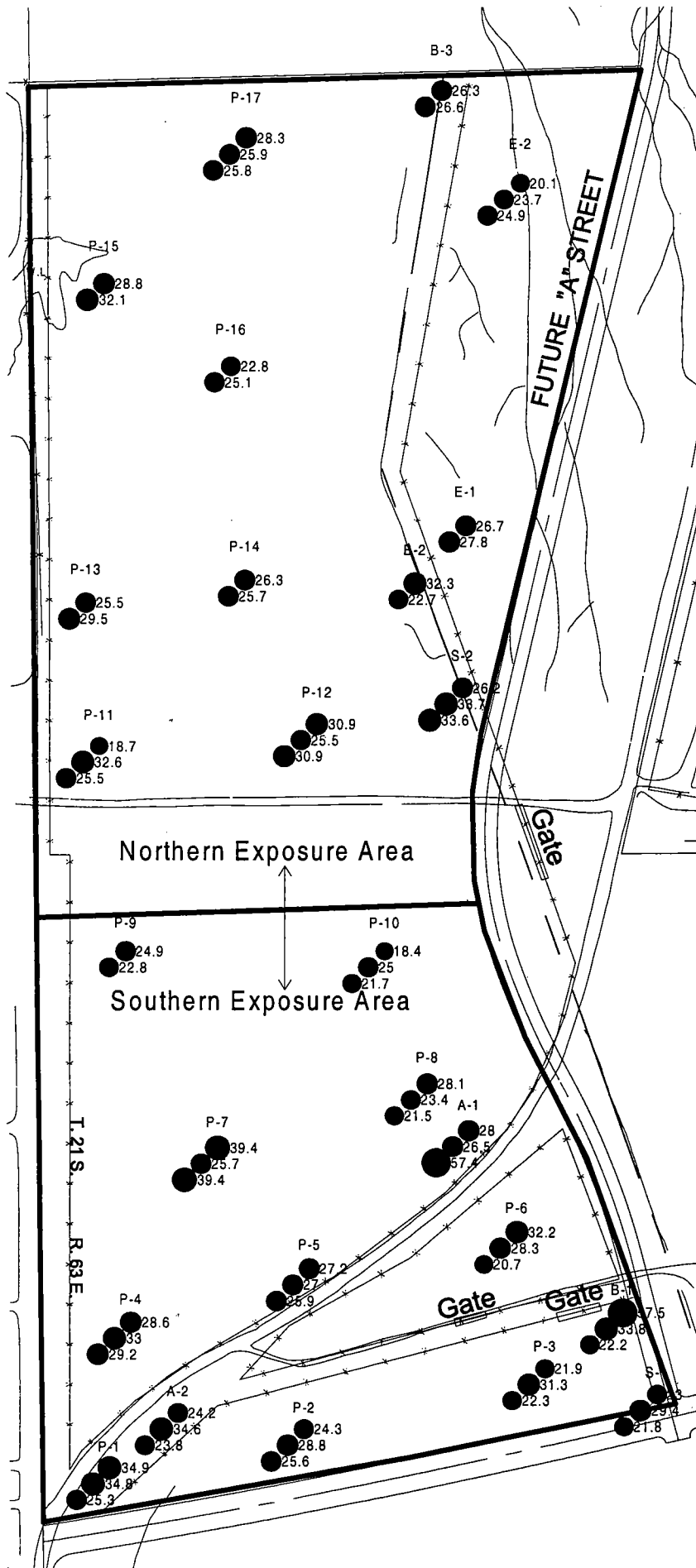
- Surface (0-1 foot) Sampling Interval
- Intermediate Sampling Interval
- Deepest Sampling Interval

Note: Surface interval indicator appears at the actual sample location

**Approximate Scale**

1 Inch = 265 Feet

N ↑



# ENVIRON

Data from May 2001  
Soil Sampling Event  
Concentrations of Vanadium mg/kg

**LEGEND**

- Surface (0-1 foot) Sampling Interval
- Intermediate Sampling Interval
- Deepest Sampling Interval

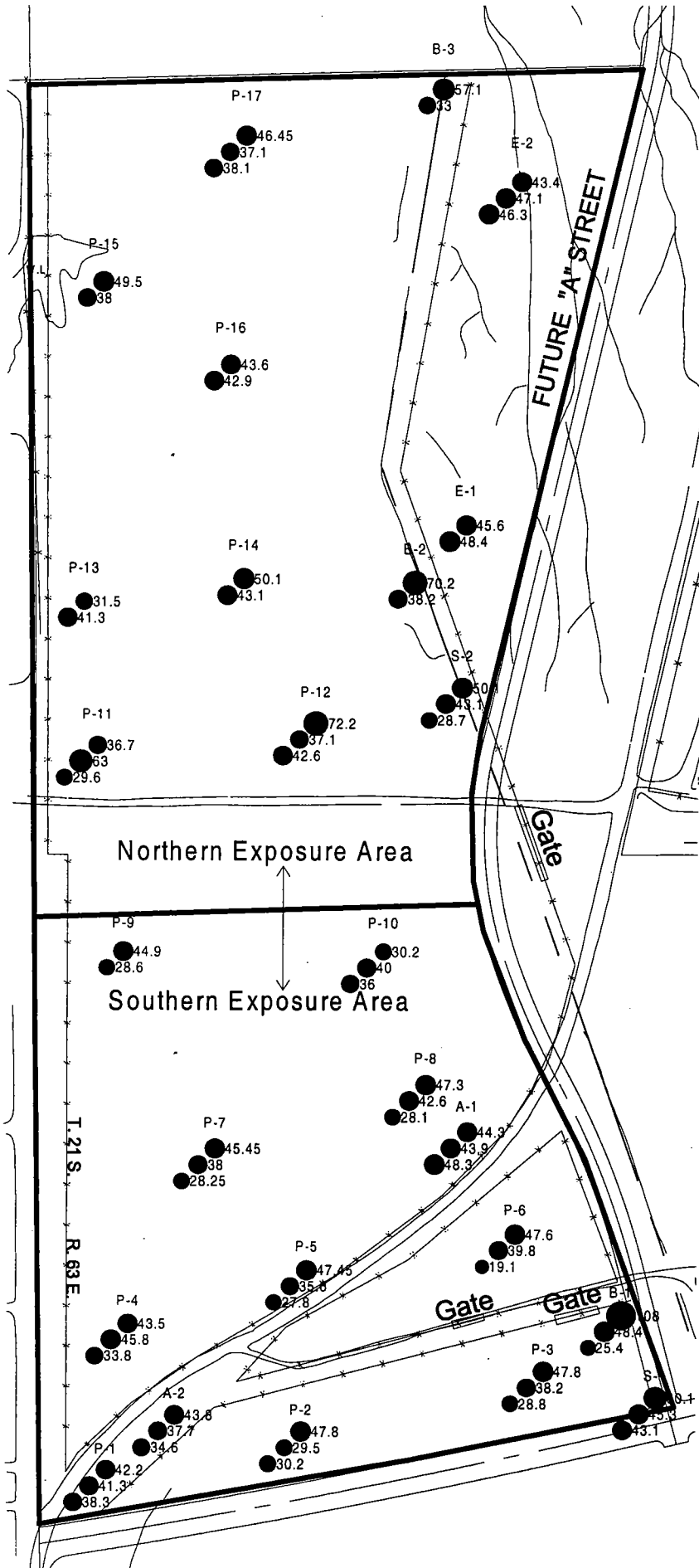
Note: Surface interval indicator appears at the actual sample location

**Approximate Scale**

1 Inch = 265 Feet

N





# ENVIRON

Data from May 2001  
 Soil Sampling Event  
 Concentrations of Zinc mg/kg

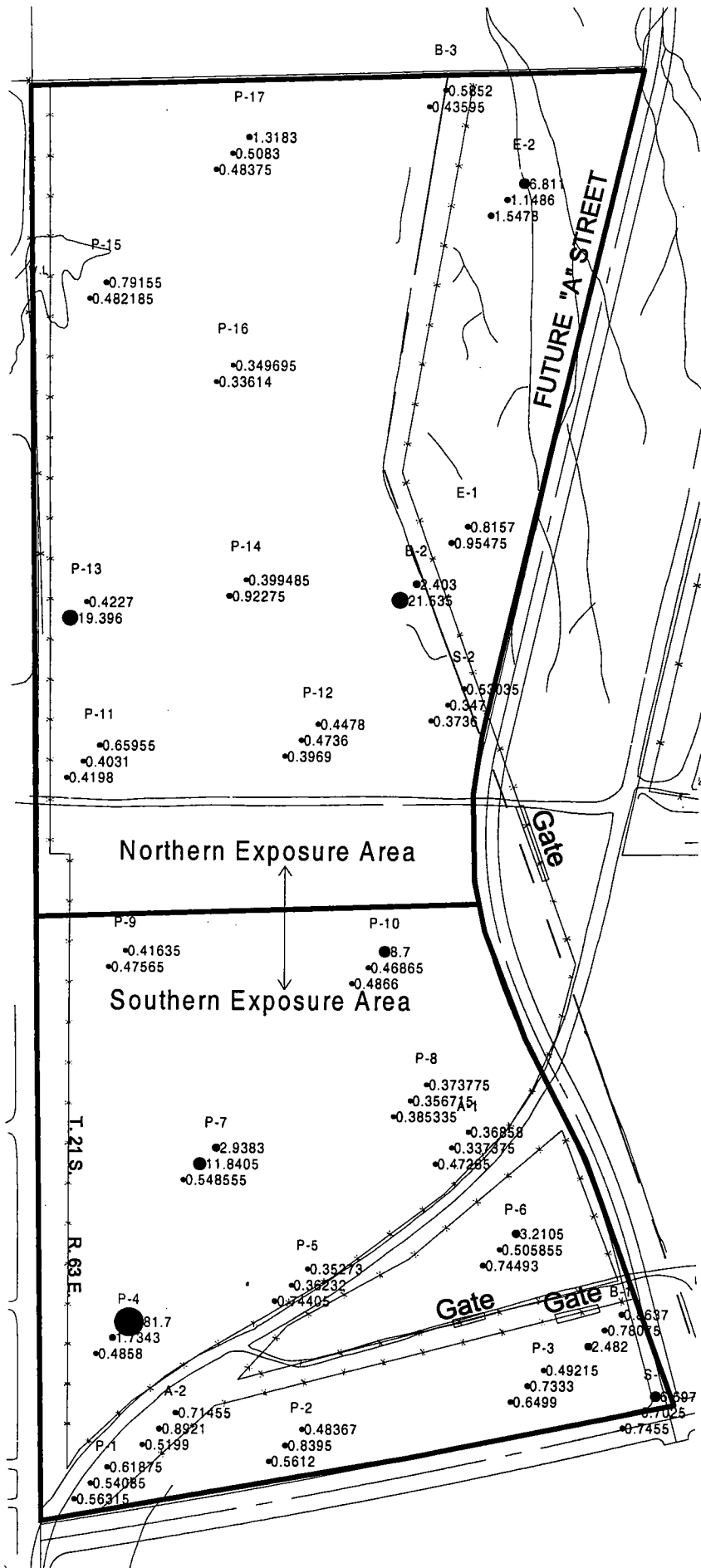
**LEGEND**

- Surface (0-1 foot) Sampling Interval
- Intermediate Sampling Interval
- Deepest Sampling Interval

Note: Surface interval indicator appears at the actual sample location

**Approximate Scale**  
 1 Inch = 265 Feet

N  
 ↑



# ENVIRON

Data from May 2001  
Soil Sampling Event  
Concentrations of Dioxins (TEQ) pg/g

**LEGEND**

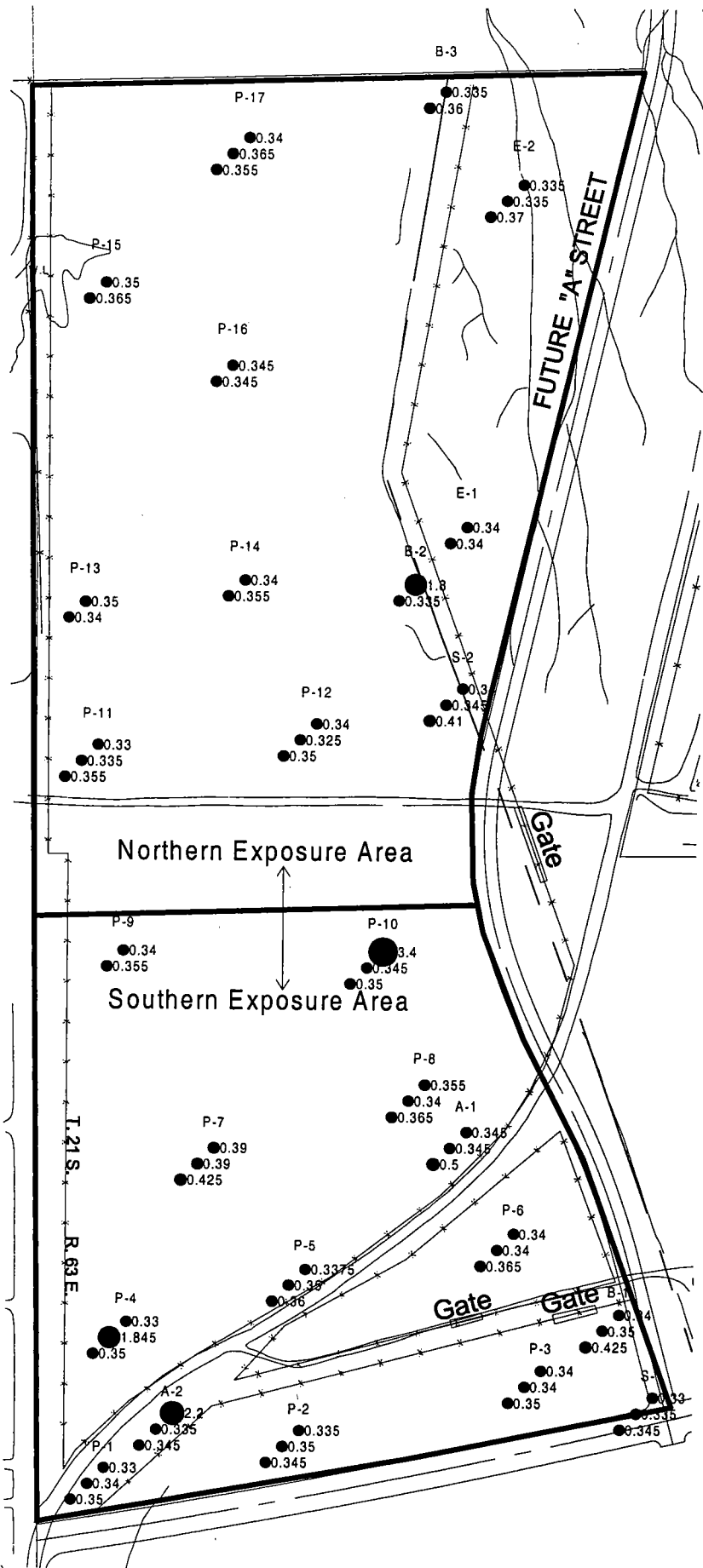
- Surface ( 0-1 foot ) Sampling Interval
- Intermediate Sampling Interval
- Deepest Sampling Interval

Note: Surface interval indicator appears at the actual sample location

**Approximate Scale**

1 Inch = 265 Feet

N ↑



# ENVIRON

Data from May 2001  
Soil Sampling Event  
Concentrations of 4,4'-DDD µg/kg

**LEGEND**

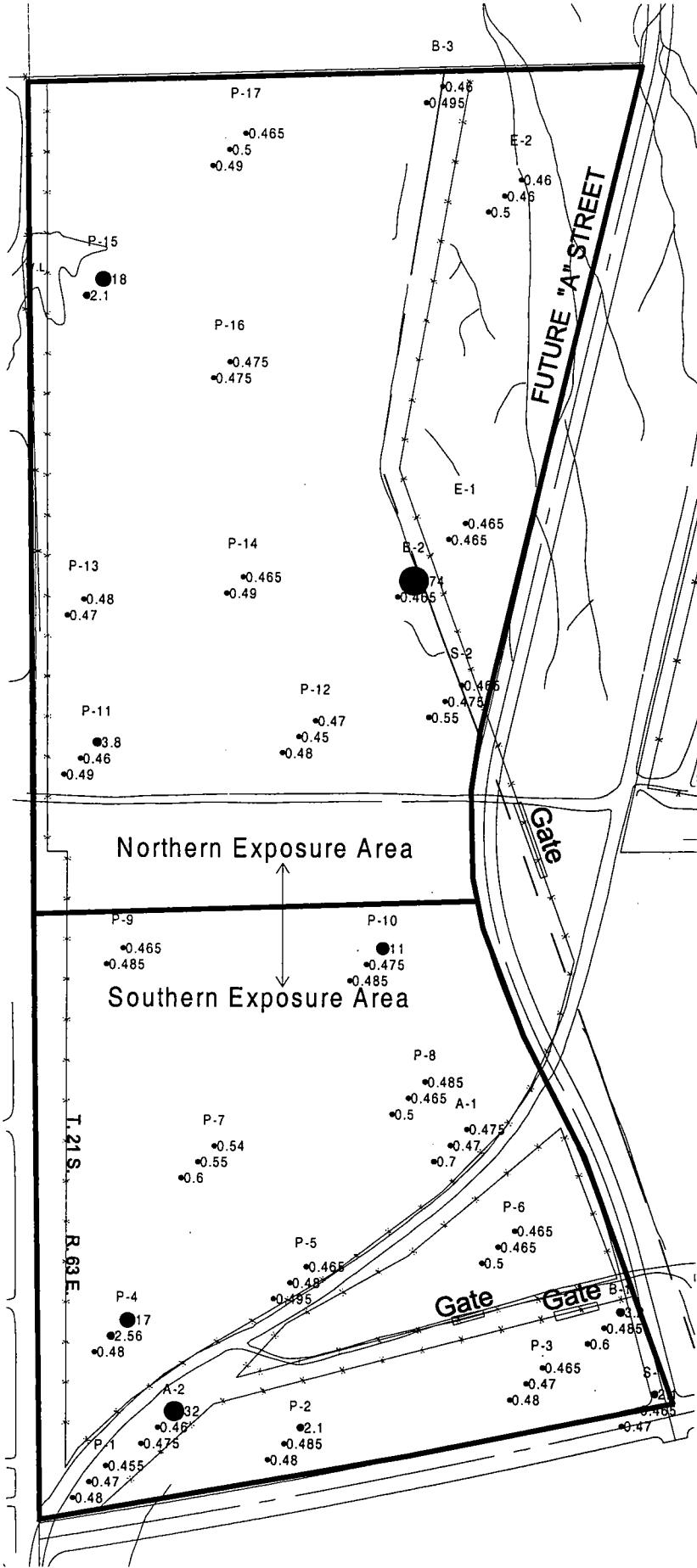
- Surface ( 0-1 foot ) Sampling Interval
- Intermediate Sampling Interval
- Deepest Sampling Interval

**Note:** Surface interval indicator appears at the actual sample location

**Approximate Scale**

1 Inch = 265 Feet

N ↑



# ENVIRON

Data from May 2001  
Soil Sampling Event  
Concentrations of 4,4'-DDE µg/kg

**LEGEND**

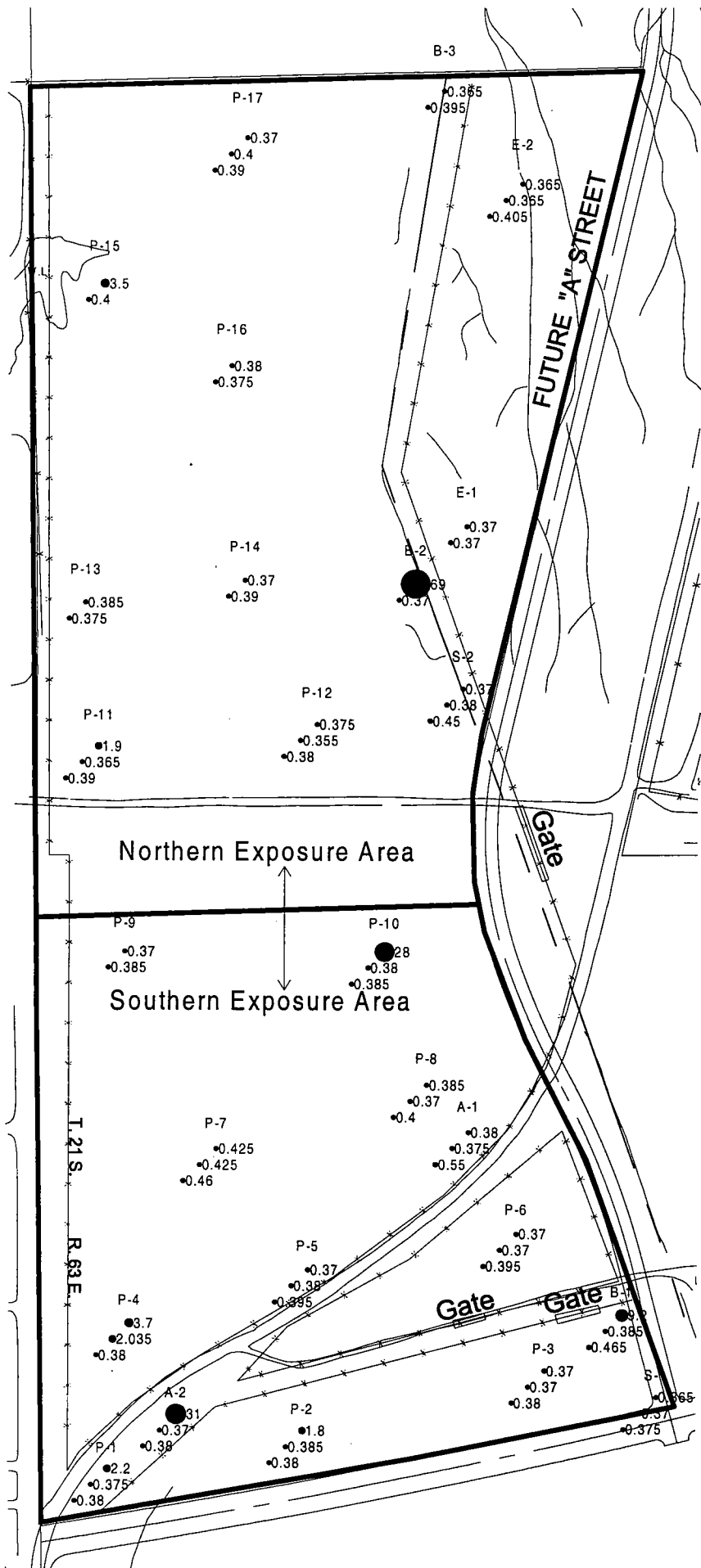
- Surface (0-1 foot) Sampling Interval
- Intermediate Sampling Interval
- Deepest Sampling Interval

Note: Surface interval indicator appears at the actual sample location

**Approximate Scale**

1 Inch = 265 Feet

N ↑



# ENVIRONMENTAL

Data from May 2001  
Soil Sampling Event  
Concentrations of 4,4'-DDT µg/kg

**LEGEND**

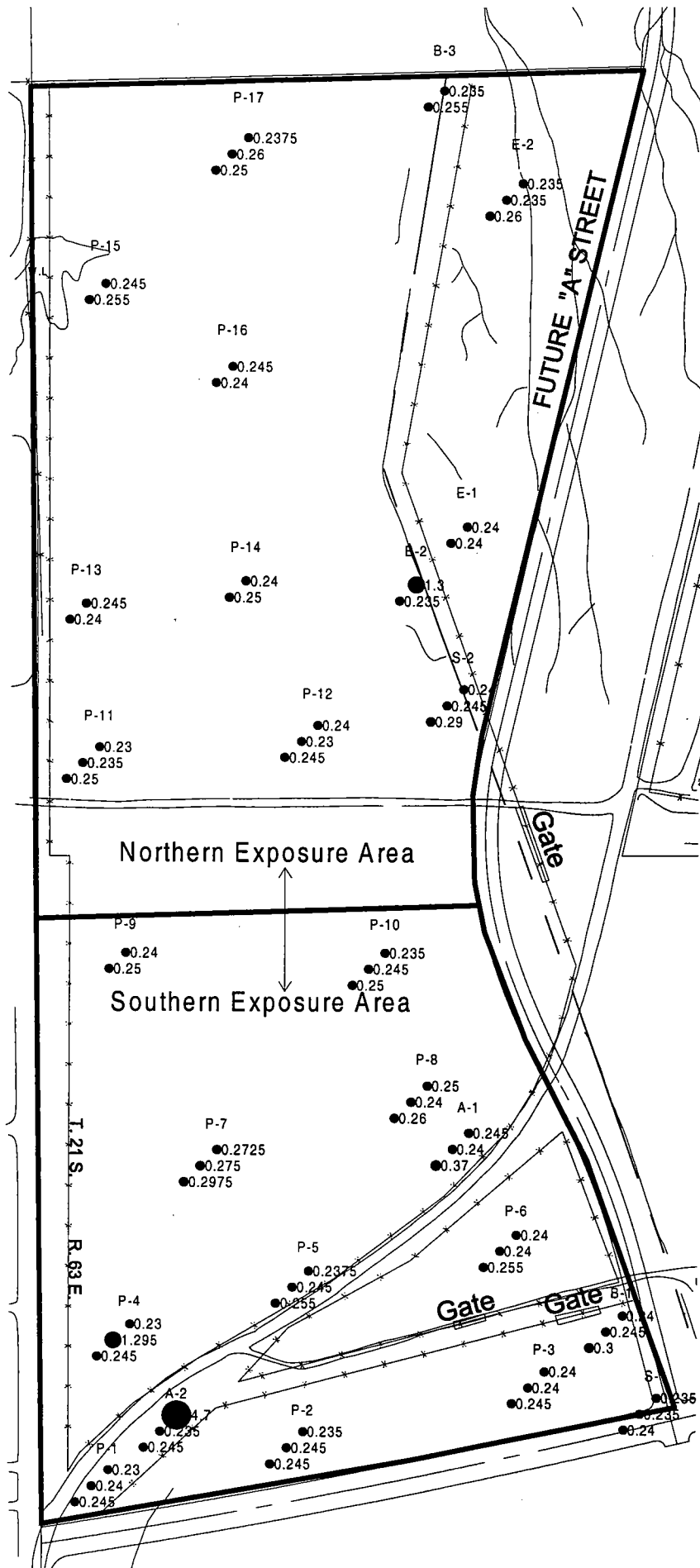
- Surface (0-1 foot) Sampling Interval
- Intermediate Sampling Interval
- Deepest Sampling Interval

Note: Surface interval indicator appears at the actual sample location

**Approximate Scale**

1 Inch = 265 Feet

↑ N



# ENVIRON

Data from May 2001  
Soil Sampling Event  
Concentrations of alpha Chlordane µg/kg

**LEGEND**

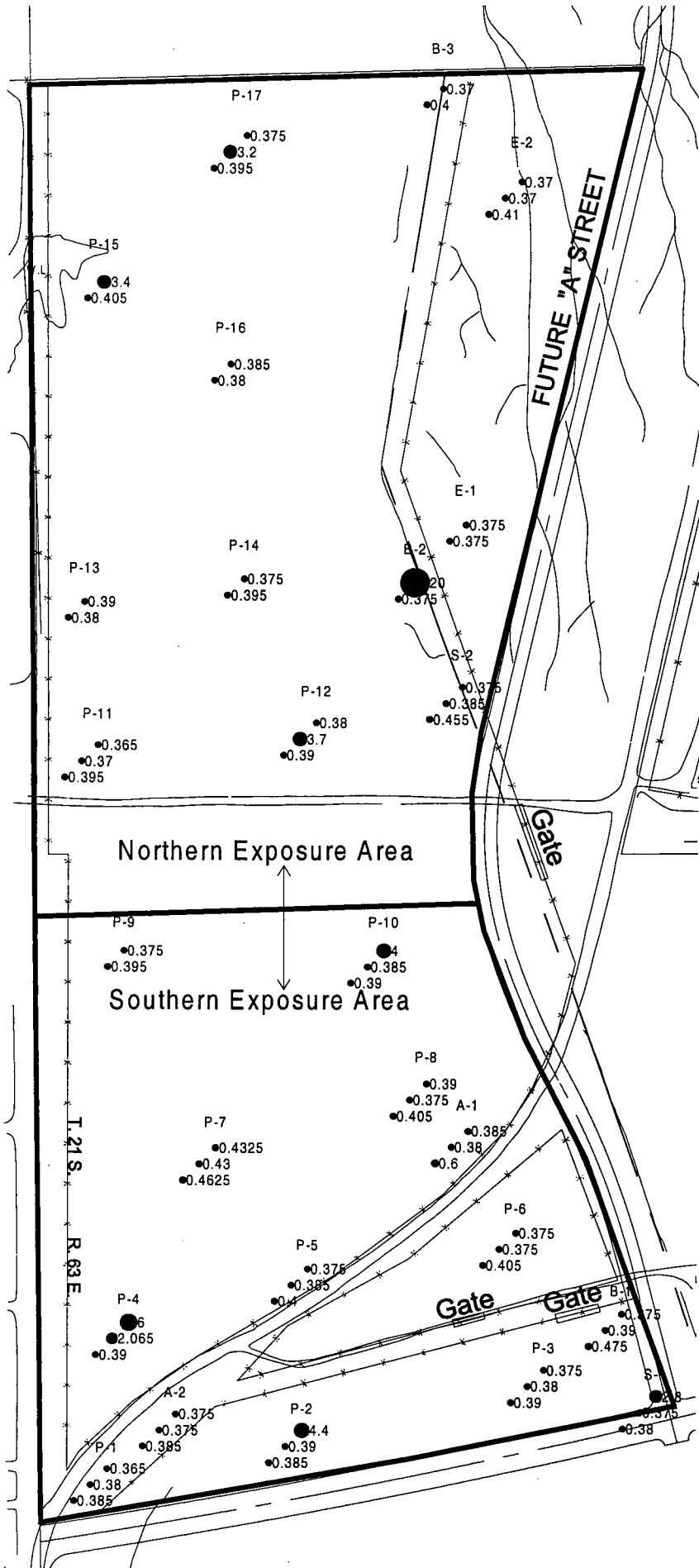
- Surface ( 0-1 foot ) Sampling Interval
- Intermediate Sampling Interval
- Deepest Sampling Interval

Note: Surface interval indicator appears at the actual sample location

**Approximate Scale**

1 Inch = 265 Feet

N ↑



# ENVIRON

Data from May 2001  
Soil Sampling Event  
Concentrations of beta-BHC µg/kg

**LEGEND**

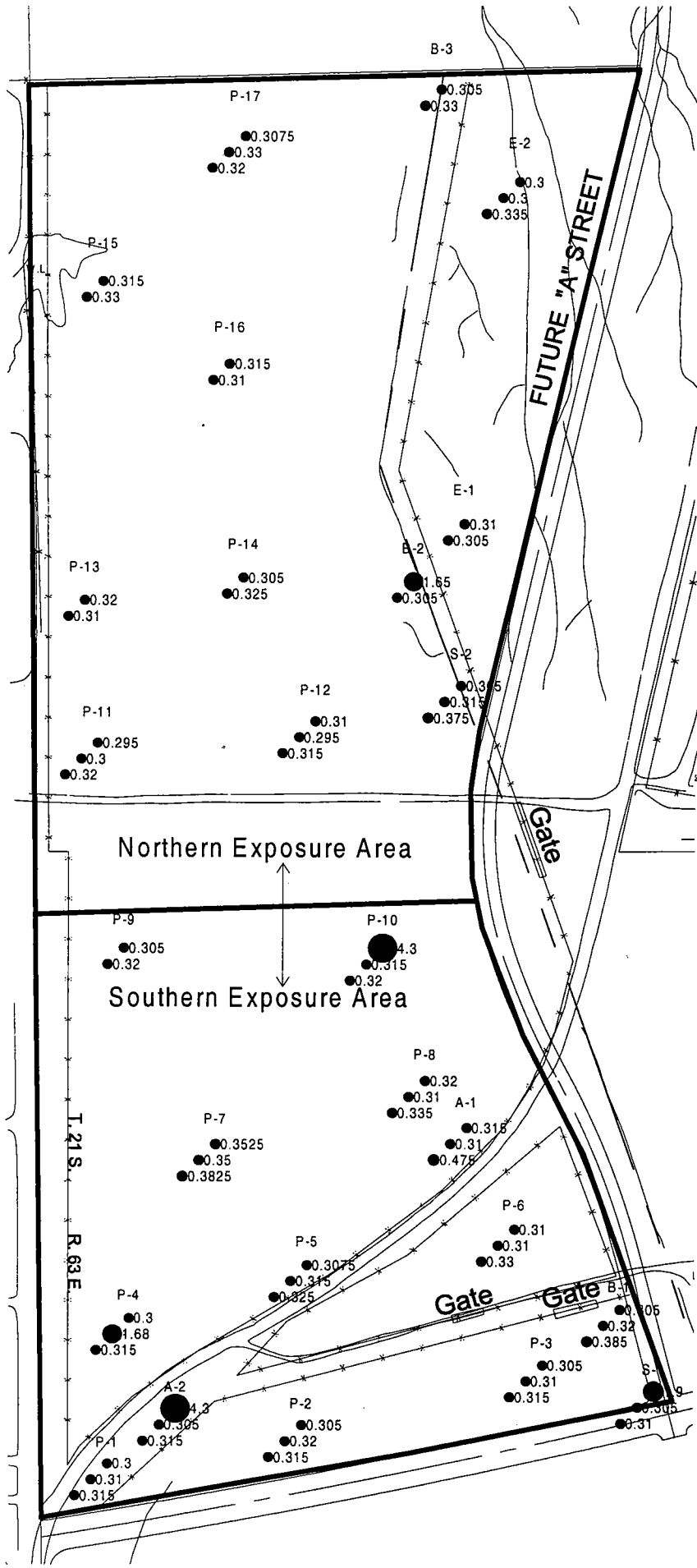
- Surface (0-1 foot) Sampling Interval
- Intermediate Sampling Interval
- Deepest Sampling Interval

Note: Surface interval indicator appears at the actual sample location

**Approximate Scale**

1 Inch = 265 Feet

N



# ENVIRON

Data from May 2001  
 Soil Sampling Event  
 Concentrations of Dieldrin µg/kg

**LEGEND**

- Surface ( 0-1 foot ) Sampling Interval
- Intermediate Sampling Interval
- Deepest Sampling Interval

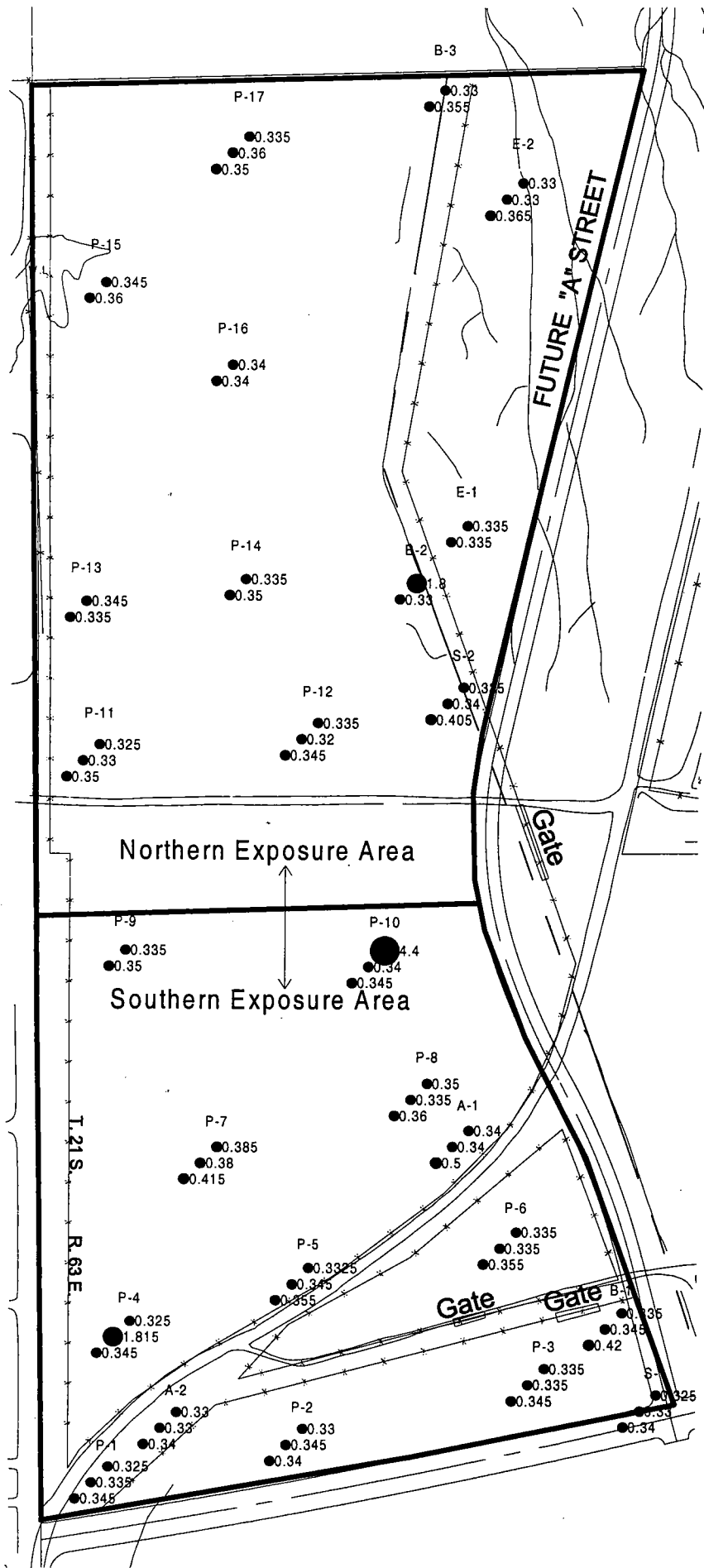
Note: Surface interval indicator appears at the actual sample location

**Approximate Scale**

1 Inch = 265 Feet

N ↑





# ENVIRON

Data from May 2001  
 Soil Sampling Event  
 Concentrations of Endosulfan II µg/kg

### LEGEND

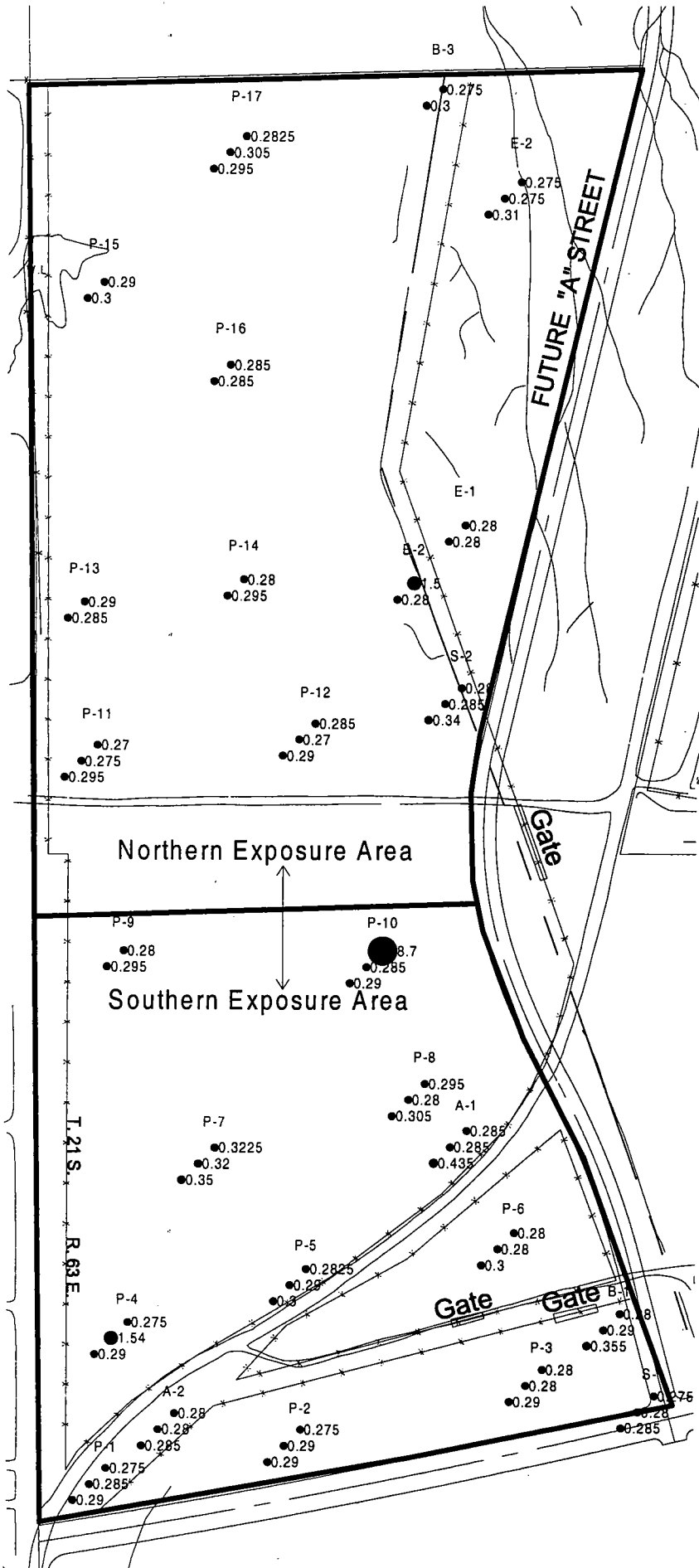
- Surface ( 0-1 foot ) Sampling Interval
- Intermediate Sampling Interval
- Deepest Sampling Interval

Note: Surface interval indicator appears at the actual sample location

### Approximate Scale

1 Inch = 265 Feet

N ↑



# ENVIRONMENT

Data from May 2001  
 Soil Sampling Event  
 Concentrations of Endosulfan Sulfate µg/kg

**LEGEND**

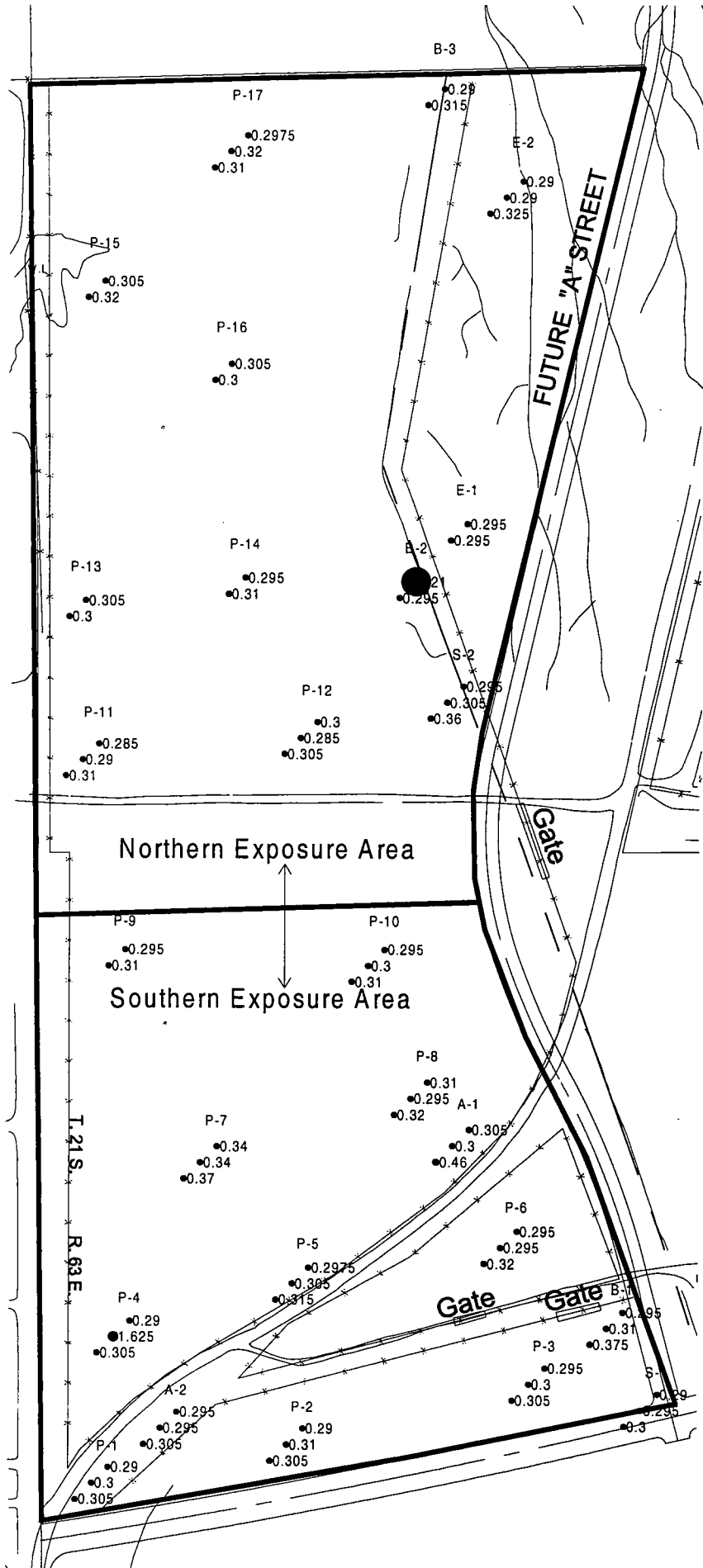
- Surface ( 0-1 foot ) Sampling Interval
- Intermediate Sampling Interval
- Deepest Sampling Interval

Note: Surface interval indicator appears at the actual sample location

**Approximate Scale**

1 Inch = 265 Feet

N ↑



# ENVIRON

Data from May 2001  
Soil Sampling Event  
Concentrations of Endrin µg/kg

**LEGEND**

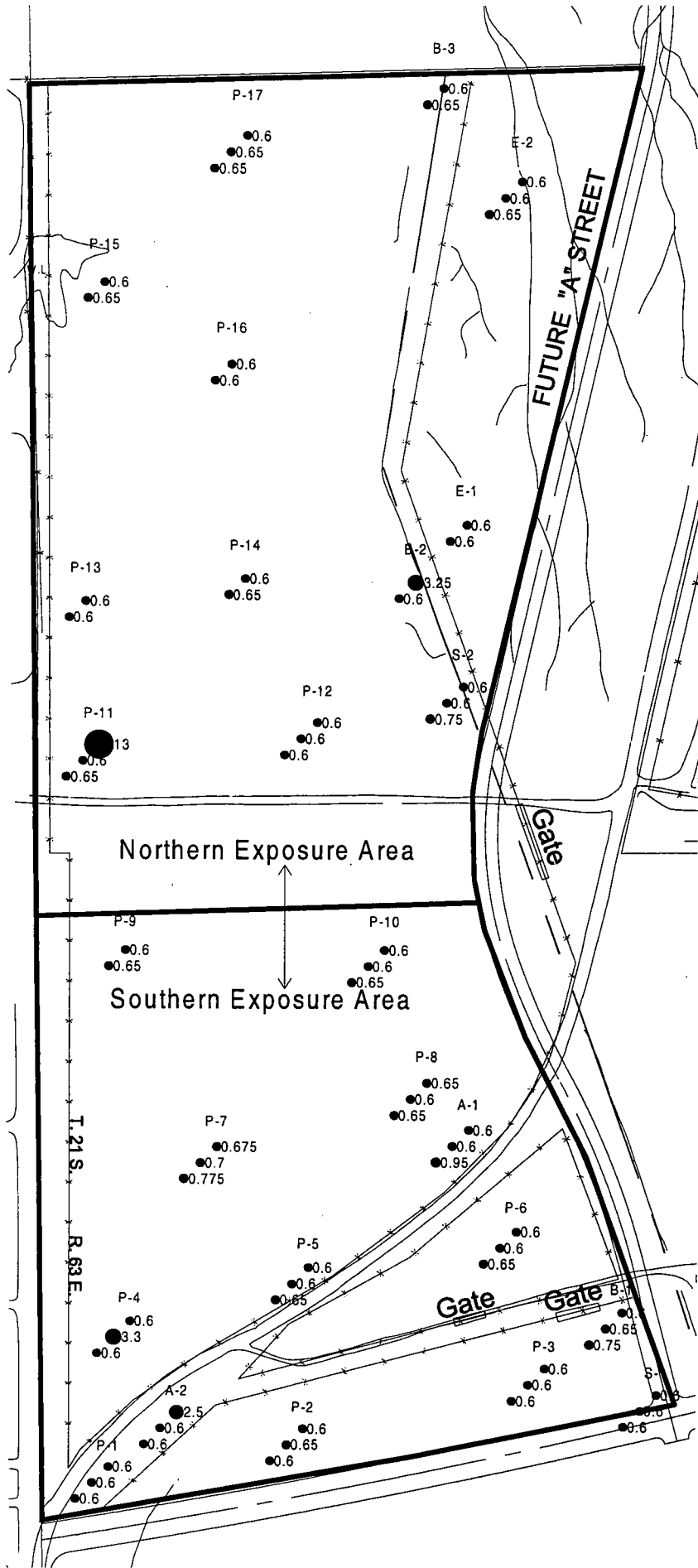
- Surface ( 0-1 foot ) Sampling Interval
- Intermediate Sampling Interval
- Deepest Sampling Interval

Note: Surface interval indicator appears at the actual sample location

**Approximate Scale**

1 Inch = 265 Feet

N ↑



# ENVIRON

Data from May 2001  
 Soil Sampling Event  
 Concentrations of Endrin Aldehyde µg/kg

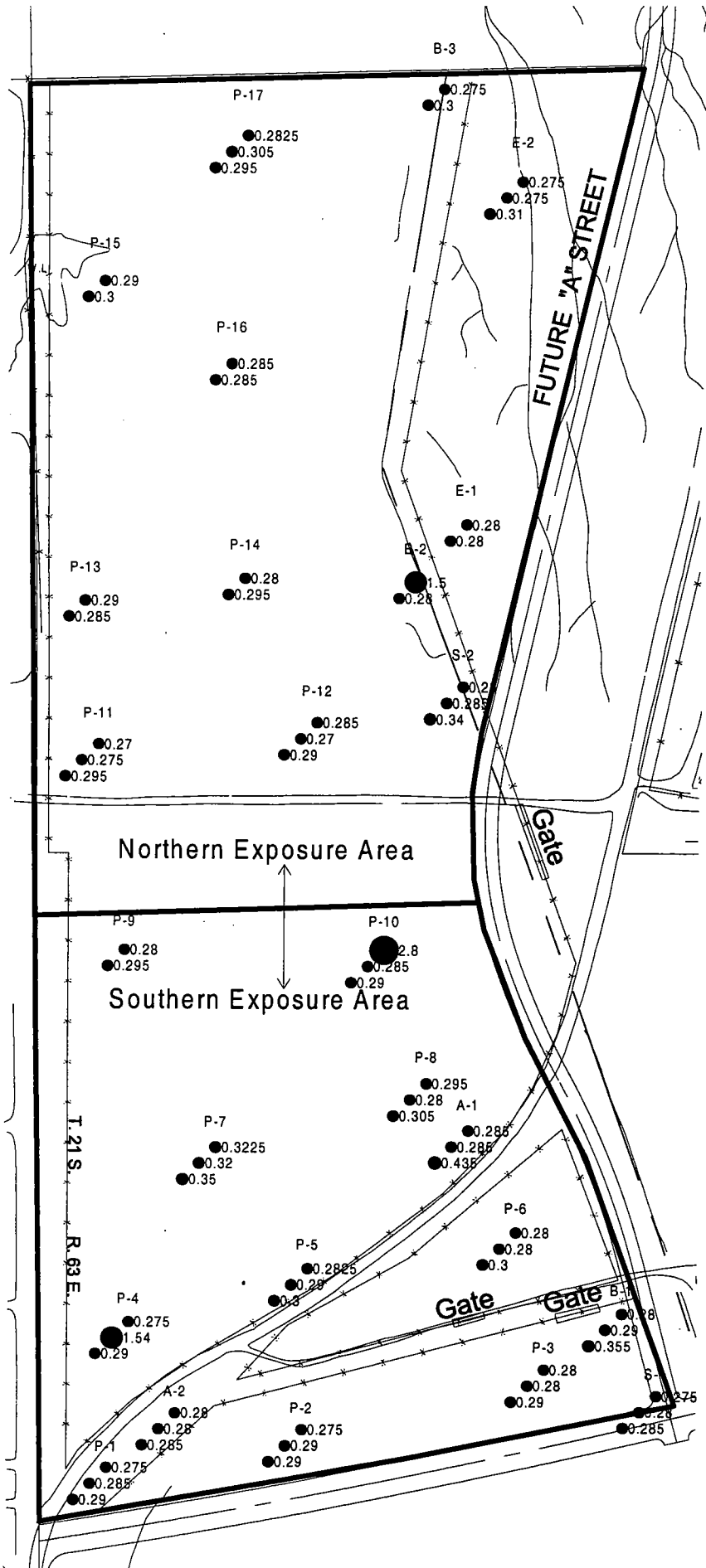
**LEGEND**

- Surface (0-1 foot) Sampling Interval
- Intermediate Sampling Interval
- Deepest Sampling Interval

Note: Surface interval indicator appears at the actual sample location

**Approximate Scale**  
 1 Inch = 265 Feet

N ↑



# ENVIRON

Data from May 2001  
 Soil Sampling Event  
 Concentrations of Endrin Ketone µg/kg

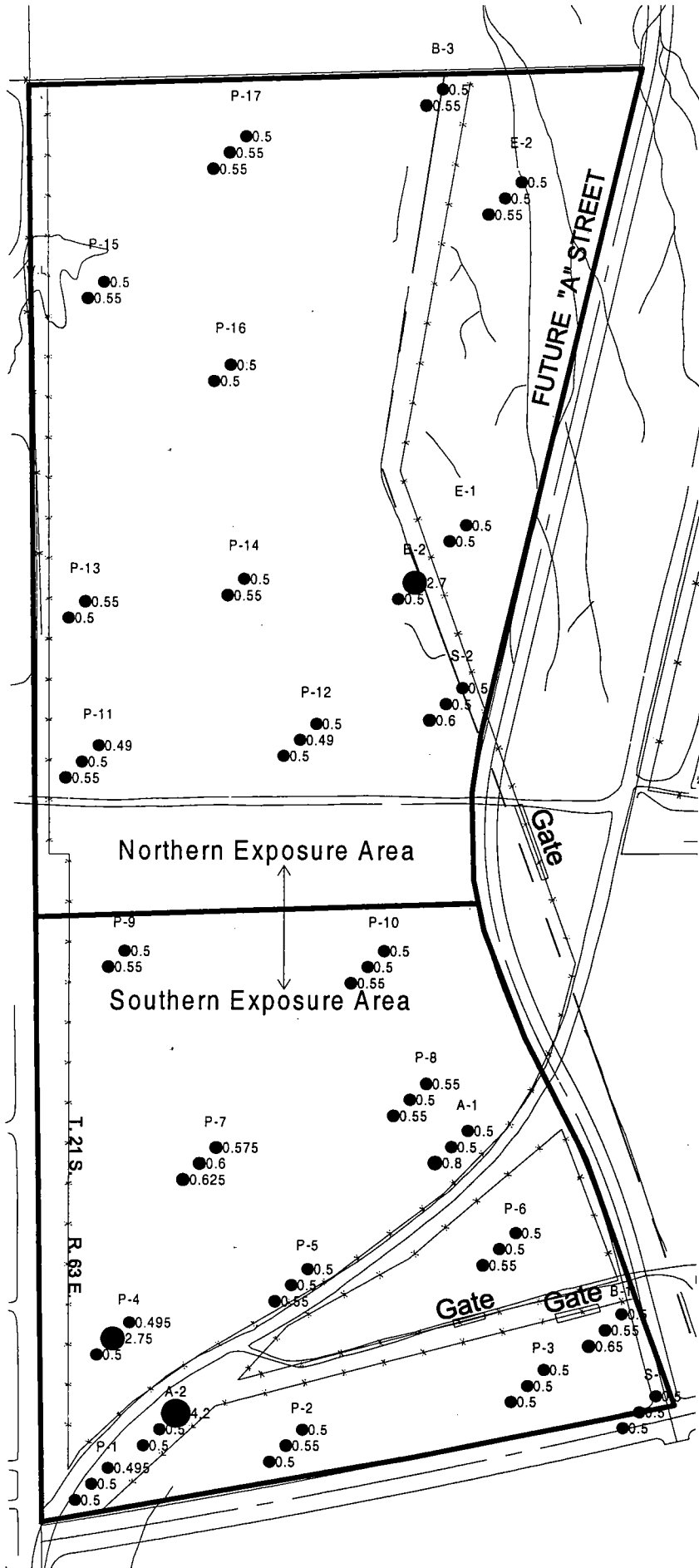
**LEGEND**

- Surface (0-1 foot) Sampling Interval
- Intermediate Sampling Interval
- Deepest Sampling Interval

Note: Surface interval indicator appears at the actual sample location

**Approximate Scale**  
 1 Inch = 265 Feet

N ↑



# ENVIRON

Data from May 2001  
 Soil Sampling Event  
 Concentrations of gamma-Chlordane µg/kg

**LEGEND**

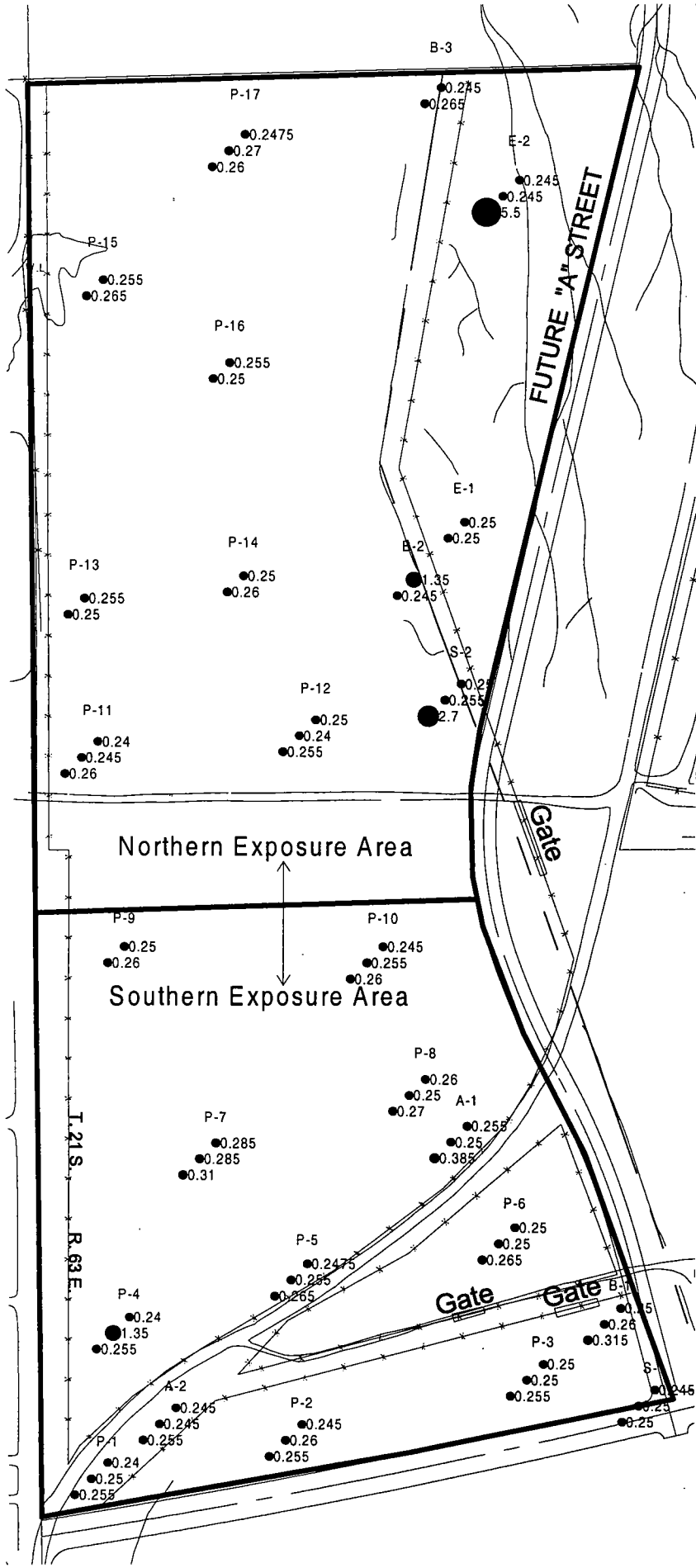
- Surface (0-1 foot) Sampling Interval
- Intermediate Sampling Interval
- Deepest Sampling Interval

Note: Surface interval indicator appears at the actual sample location

**Approximate Scale**

1 Inch = 265 Feet

N ↑



# ENVIRON

Data from May 2001  
Soil Sampling Event  
Concentrations of Heptachlor Epoxide µg/kg

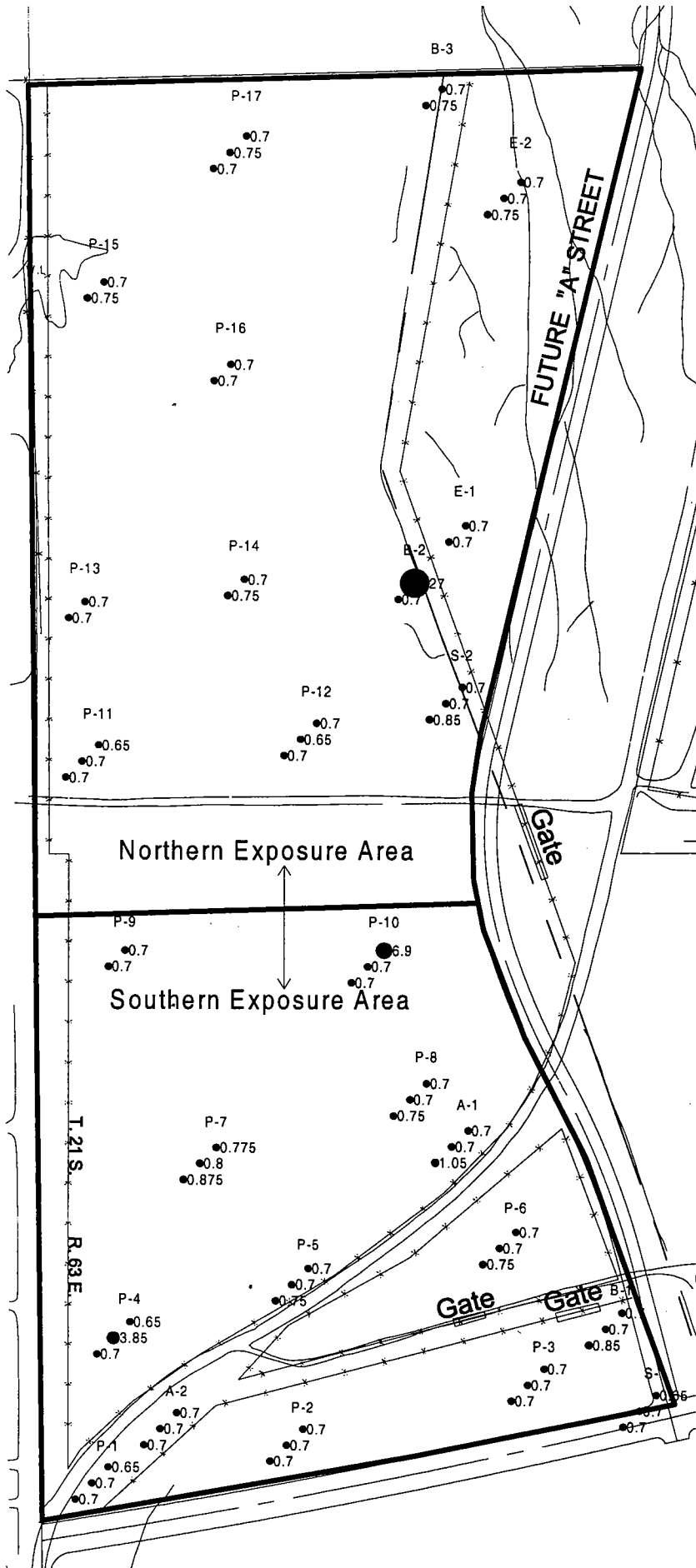
**LEGEND**

- Surface (0-1 foot) Sampling Interval
- Intermediate Sampling Interval
- Deepest Sampling Interval

Note: Surface interval indicator appears at the actual sample location

**Approximate Scale**  
1 Inch = 265 Feet

N ↑



# ENVIRON

Data from May 2001  
Soil Sampling Event  
Concentrations of Methoxychlor µg/kg

**LEGEND**

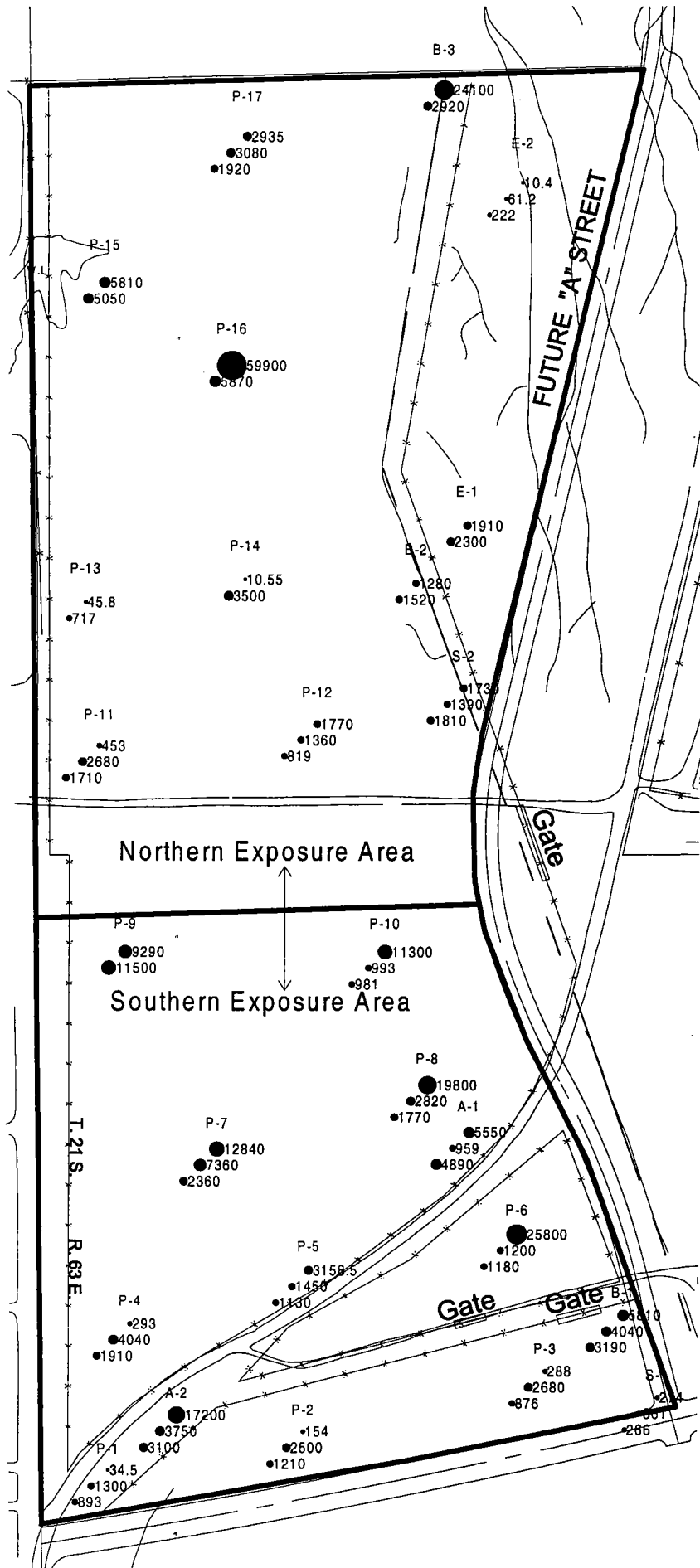
- Surface (0-1 foot) Sampling Interval
- Intermediate Sampling Interval
- Deepest Sampling Interval

Note: Surface interval indicator appears at the actual sample location

**Approximate Scale**  
1 Inch = 265 Feet

N  
↑





# ENVIRONMENT

Data from May 2001  
Soil Sampling Event  
Concentrations of Perchlorate µg/kg

**LEGEND**

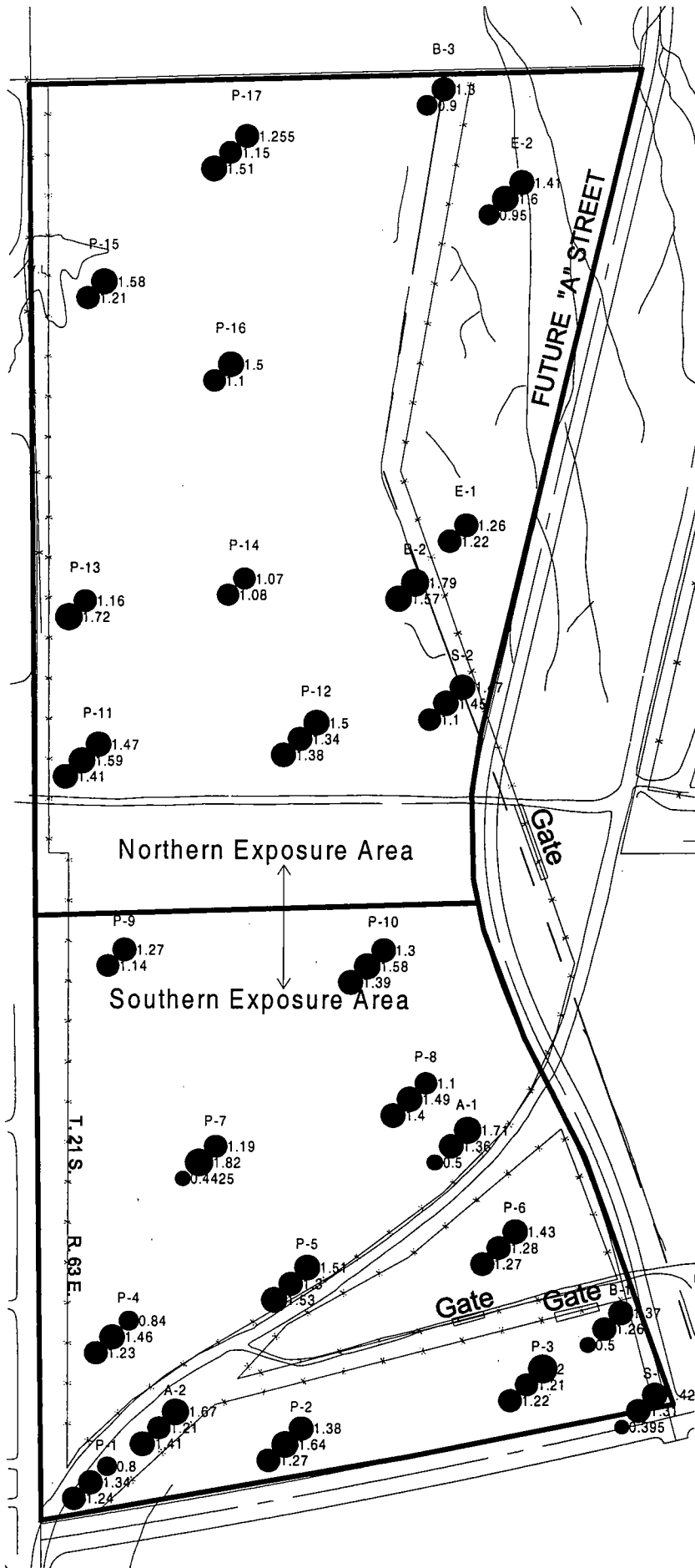
- Surface (0-1 foot) Sampling Interval
- Intermediate Sampling Interval
- Deepest Sampling Interval

Note: Surface interval indicator appears at the actual sample location

**Approximate Scale**

1 Inch = 265 Feet

N ↑



# ENVIRON

Data from May 2001  
Soil Sampling Event  
Concentrations of Actinium 228 pCi/g

**LEGEND**

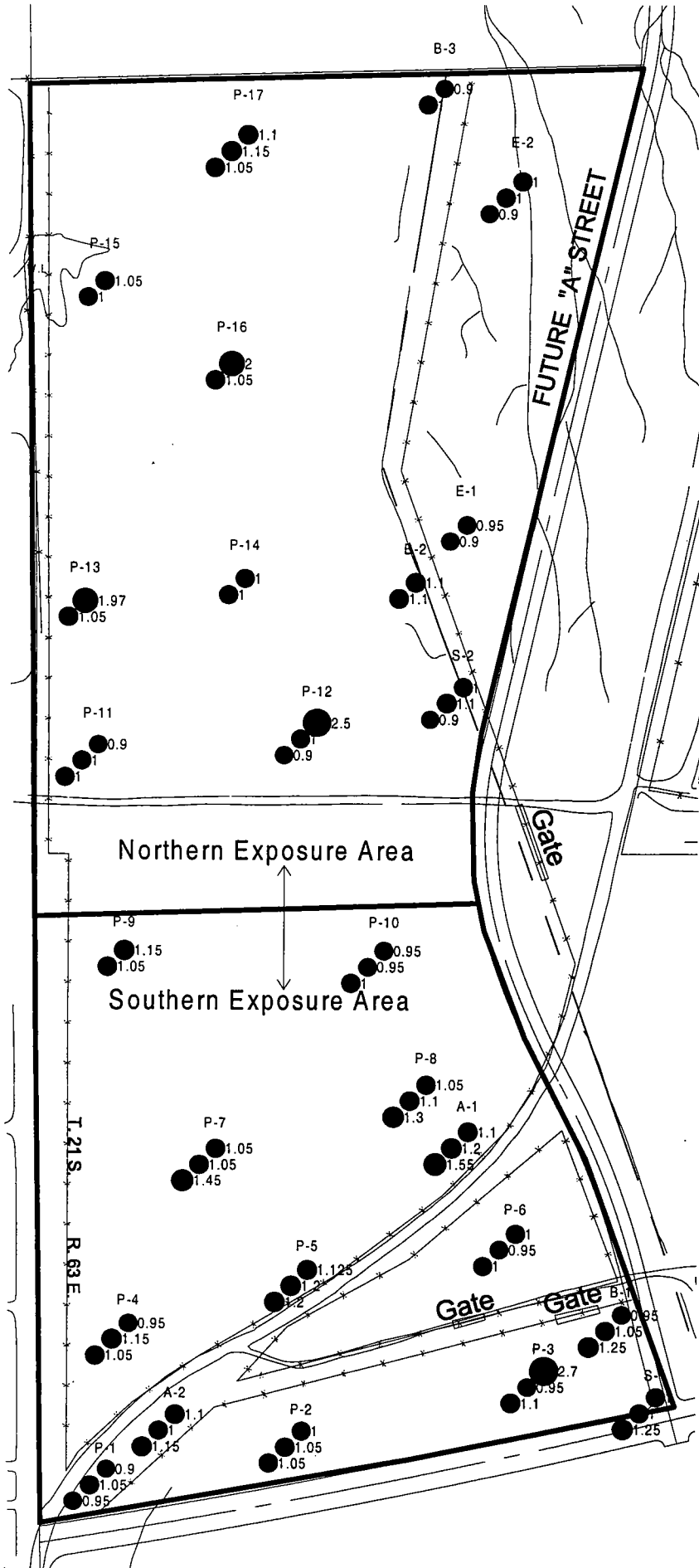
- Surface (0-1 foot) Sampling Interval
- Intermediate Sampling Interval
- Deepest Sampling Interval

Note: Surface interval indicator appears at the actual sample location

**Approximate Scale**

1 Inch = 265 Feet

N ↑



# ENVIRON

Data from May 2001  
Soil Sampling Event  
Concentrations of Bismuth 212 pCi/g

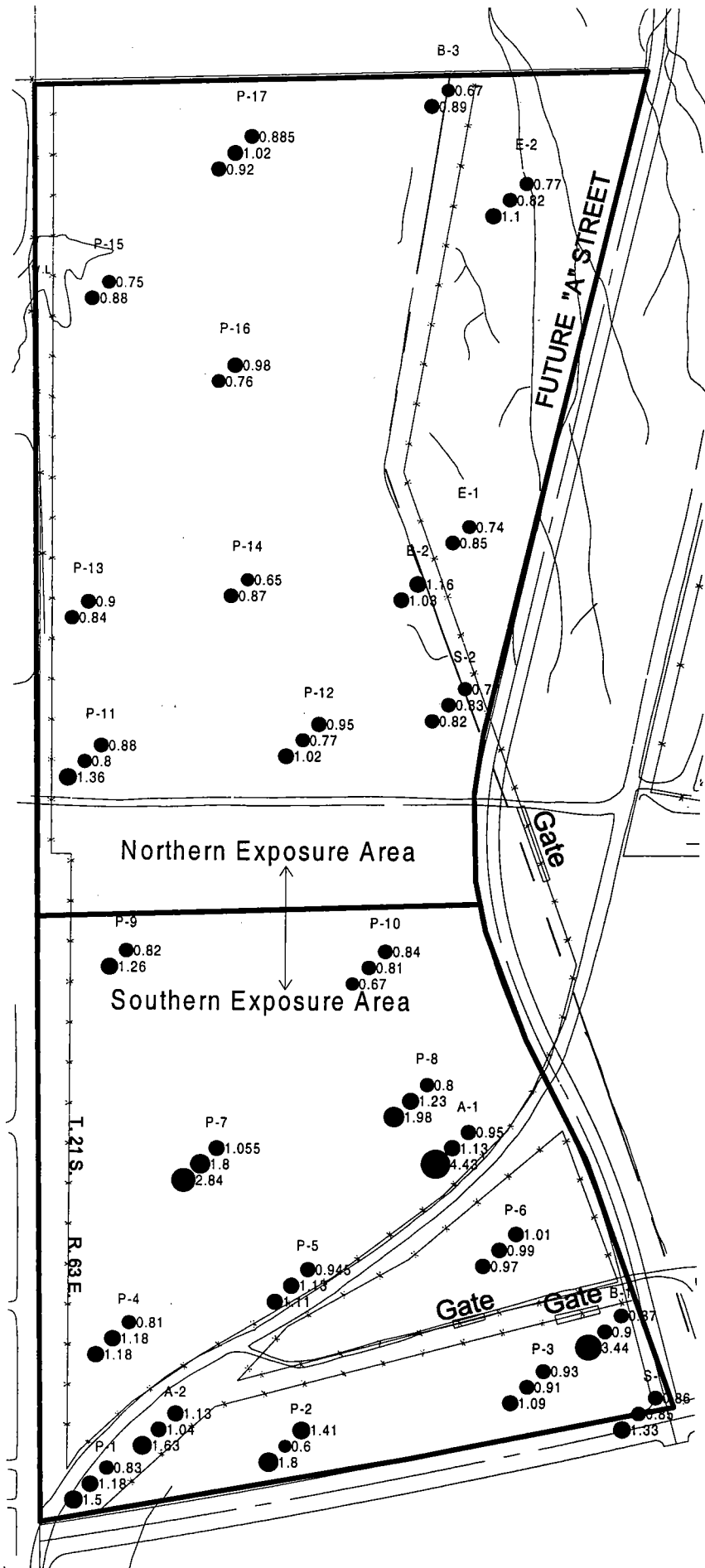
**LEGEND**

- Surface ( 0-1 foot ) Sampling Interval
- Intermediate Sampling Interval
- Deepest Sampling Interval

Note: Surface interval indicator appears at the actual sample location

**Approximate Scale**  
1 Inch = 265 Feet

N ↑



# ENVIRON

Data from May 2001  
Soil Sampling Event  
Concentrations of Bismuth 214 pCi/g

**LEGEND**

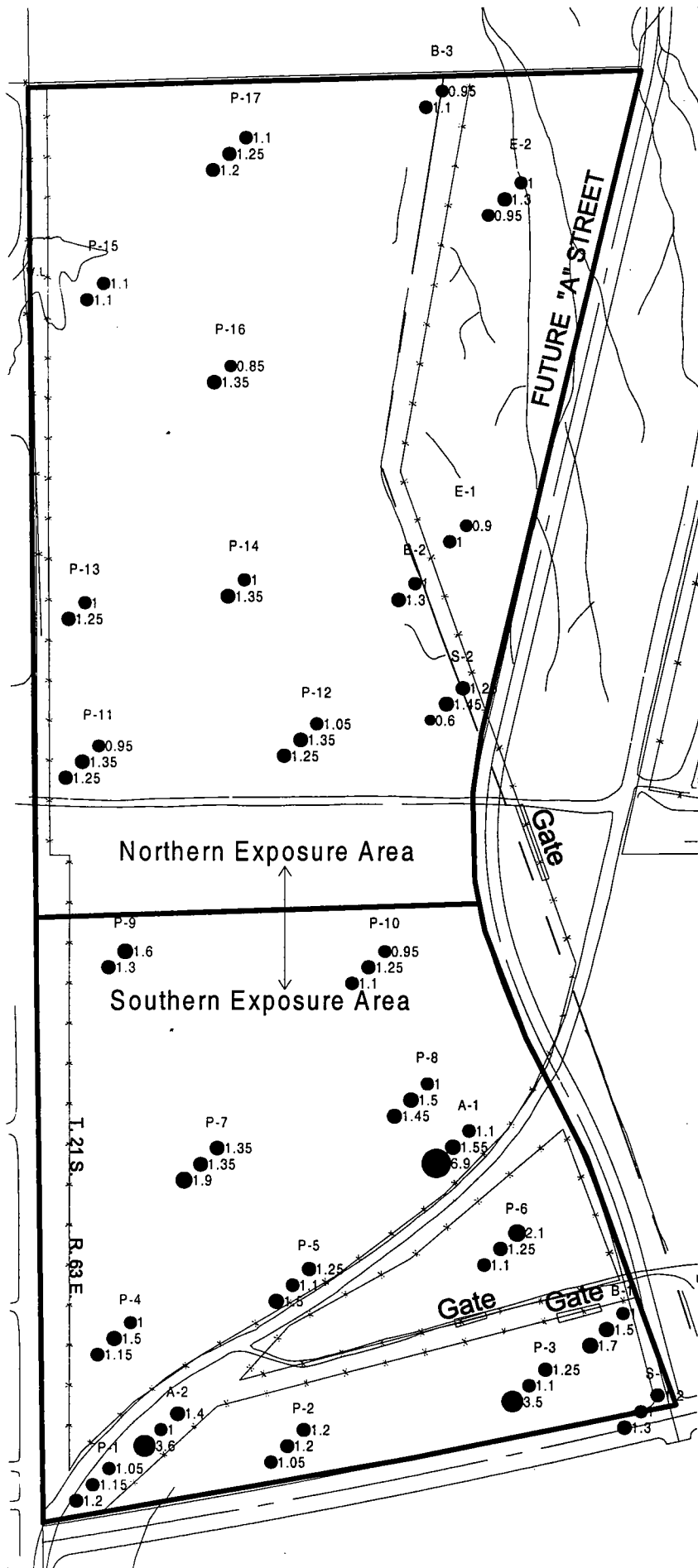
- Surface ( 0-1 foot ) Sampling Interval
- Intermediate Sampling Interval
- Deepest Sampling Interval

Note: Surface interval indicator appears at the actual sample location

**Approximate Scale**

1 Inch = 265 Feet

N ↑



# ENVIRON

Data from May 2001  
Soil Sampling Event  
Concentrations of Lead 210 pCi/g

**LEGEND**

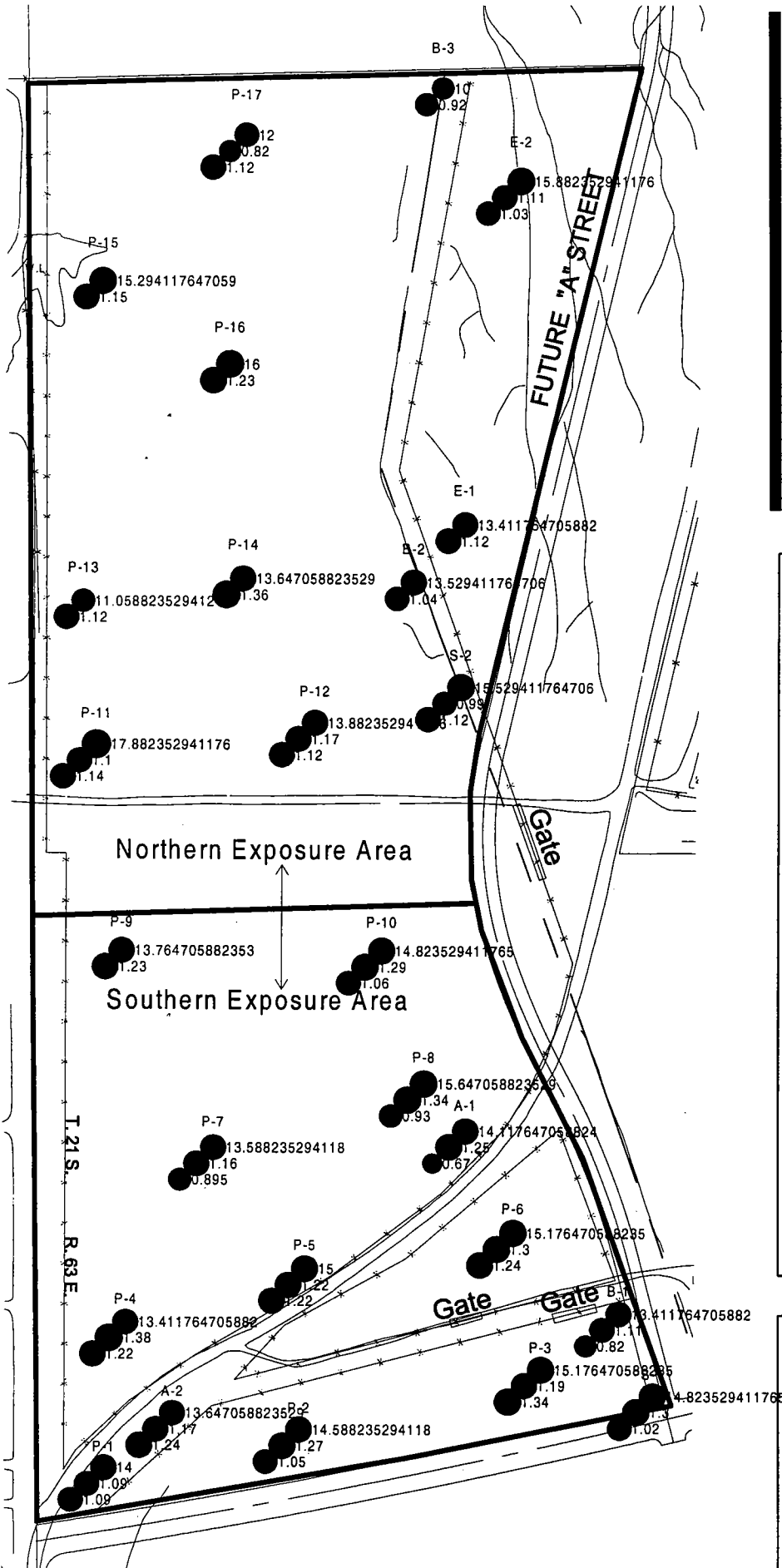
- Surface (0-1 foot) Sampling Interval
- Intermediate Sampling Interval
- Deepest Sampling Interval

Note: Surface interval indicator appears at the actual sample location

**Approximate Scale**

1 Inch = 265 Feet

N ↑



# ENVIRON

Data from May 2001  
Soil Sampling Event  
Concentrations of Lead 212 pCi/g

**LEGEND**

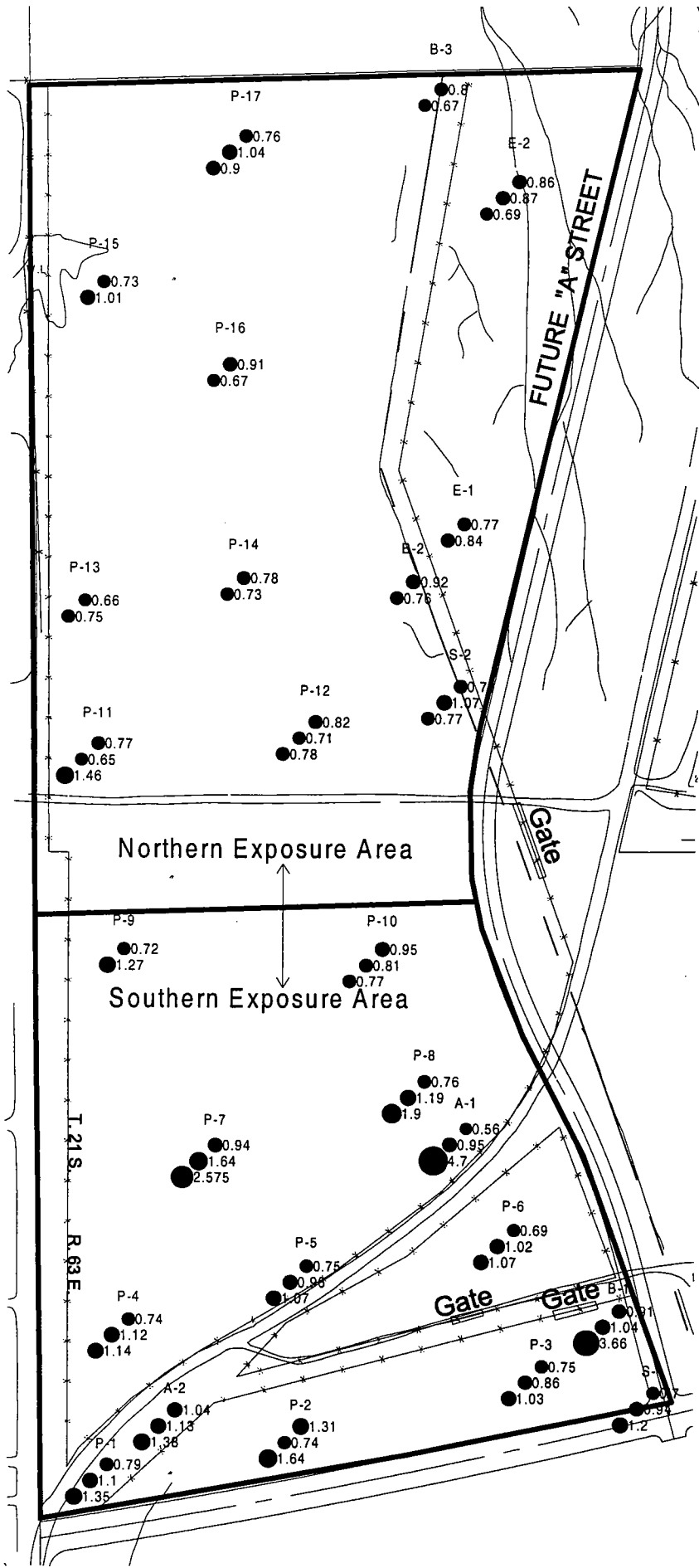
- Surface ( 0-1 foot ) Sampling Interval
- Intermediate Sampling Interval
- Deepest Sampling Interval

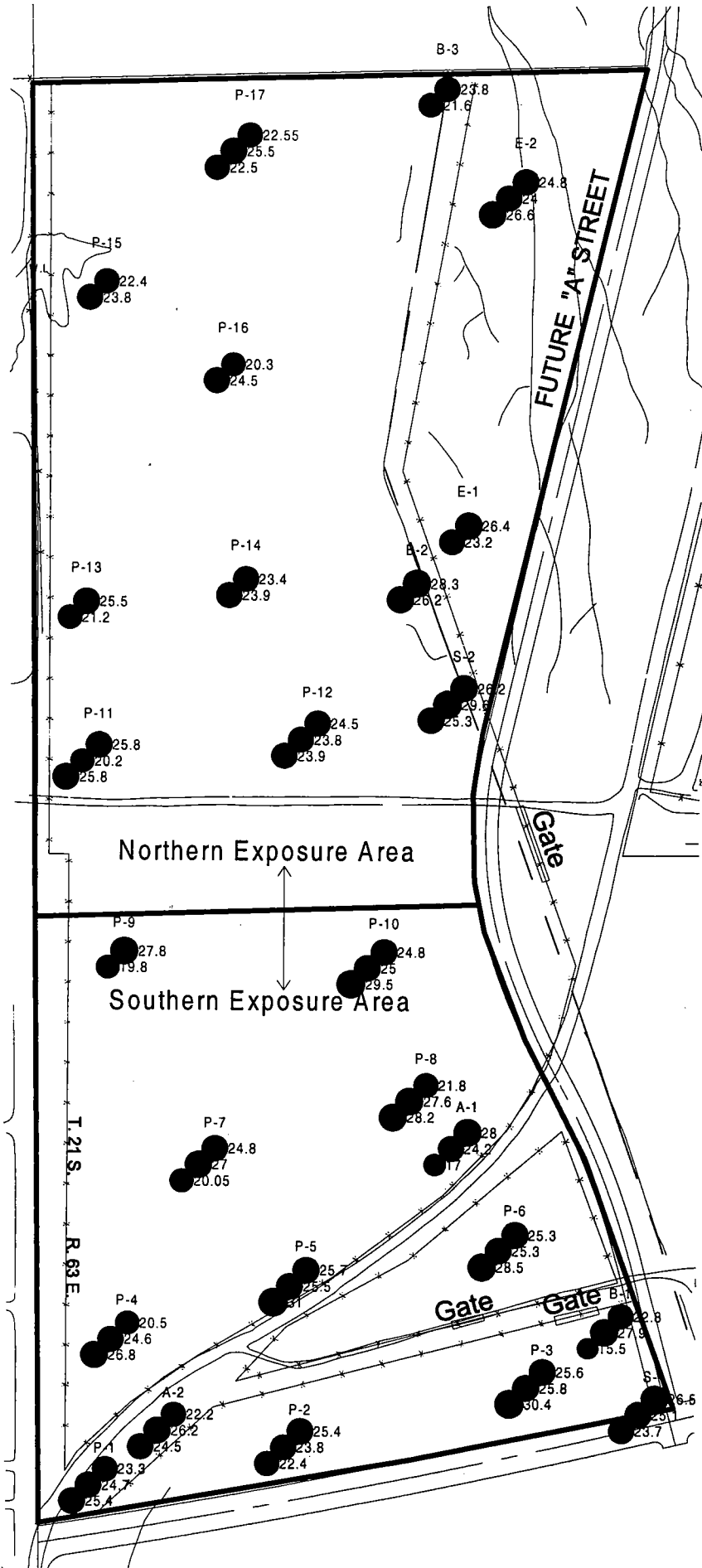
Note: Surface interval indicator appears at the actual sample location

**Approximate Scale**

1 Inch = 265 Feet

N ↑





# ENVIRON

Data from May 2001  
Soil Sampling Event  
Concentrations of Potassium 40 pCi/g

**LEGEND**

- Surface (0-1 foot) Sampling Interval
- Intermediate Sampling Interval
- Deepest Sampling Interval

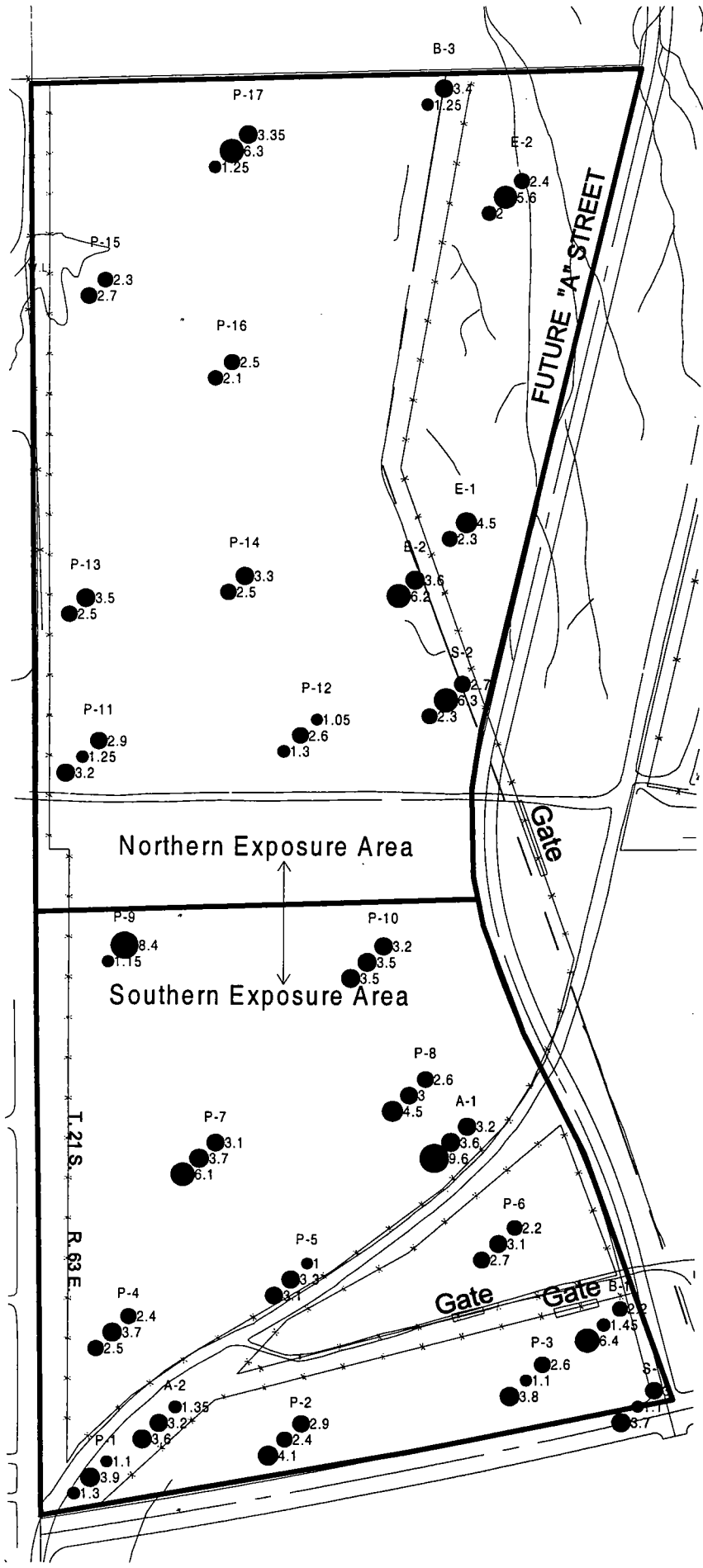
Note: Surface interval indicator appears at the actual sample location

**Approximate Scale**

1 Inch = 265 Feet

N ↑





# ENVIRON

Data from May 2001  
 Soil Sampling Event  
 Concentrations of Radium 224 pCi/g

**LEGEND**

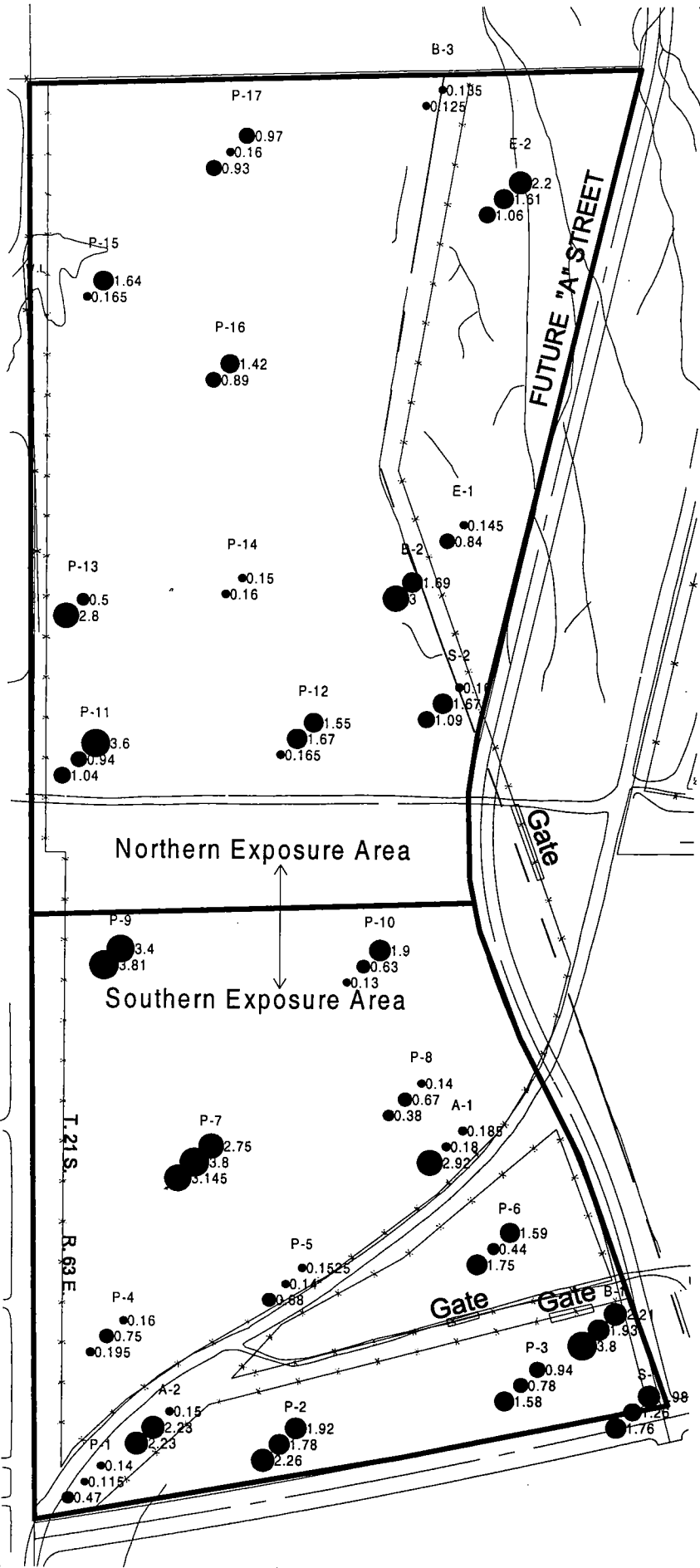
- Surface ( 0-1 foot ) Sampling Interval
- Intermediate Sampling Interval
- Deepest Sampling Interval

Note: Surface interval indicator appears at the actual sample location

**Approximate Scale**

1 Inch = 265 Feet

N ↑



# ENVIRONMENT

Data from May 2001  
Soil Sampling Event  
Concentrations of Radium 226 pCi/g

**LEGEND**

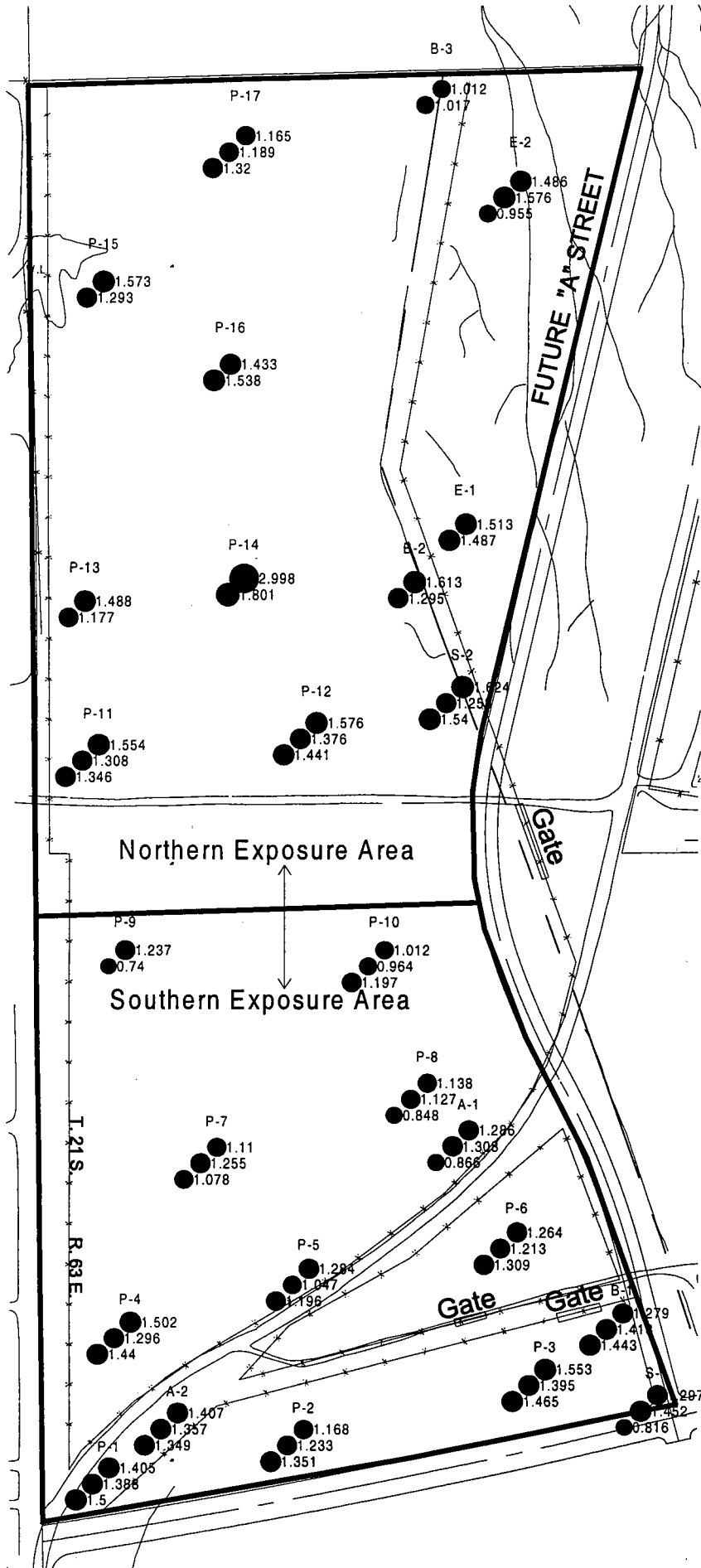
- Surface (0-1 foot) Sampling Interval
- Intermediate Sampling Interval
- Deepest Sampling Interval

**Note:** Surface interval indicator appears at the actual sample location

**Approximate Scale**

1 Inch = 265 Feet

N ↑



# ENVIRON

Data from May 2001  
Soil Sampling Event  
Concentrations of Radium 228 pCi/g

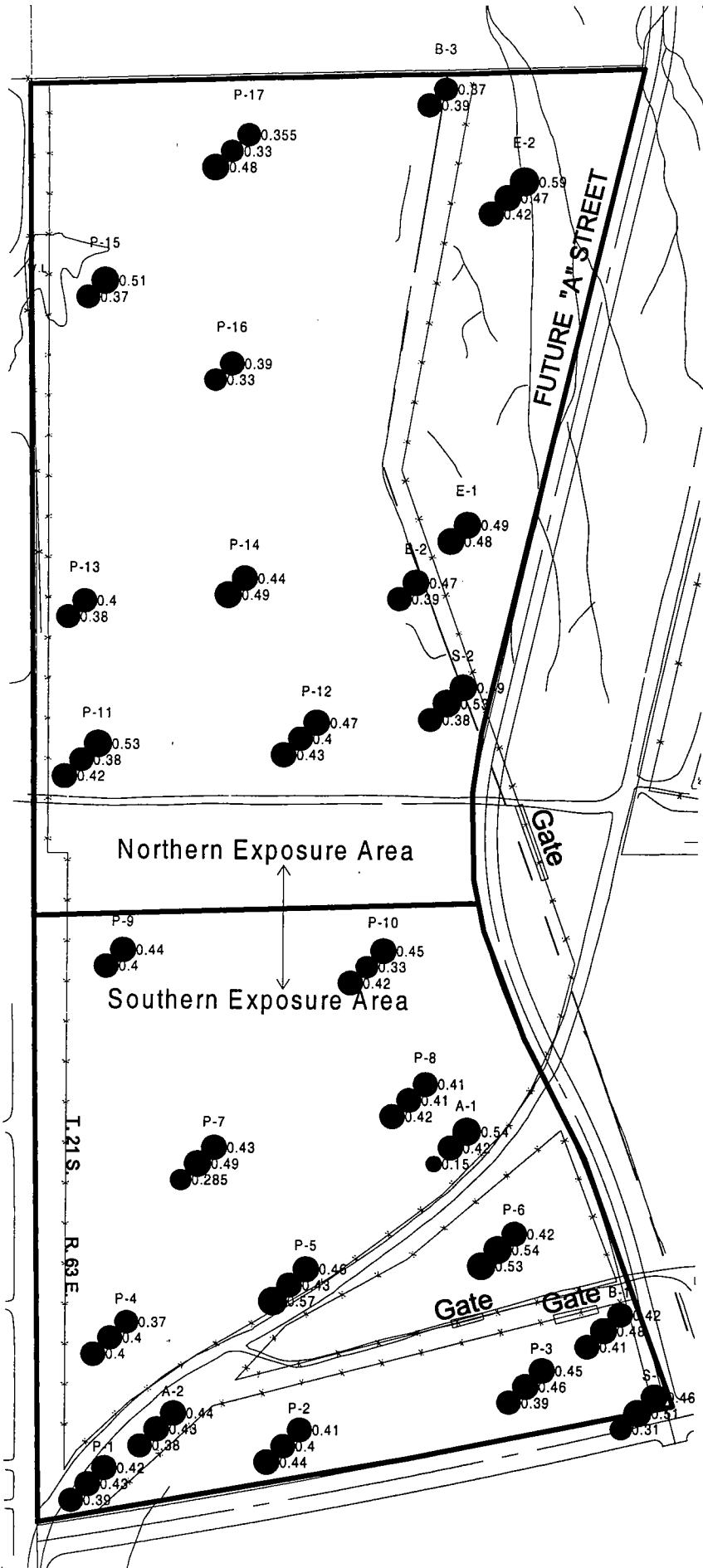
**LEGEND**

- Surface (0-1 foot) Sampling Interval
- Intermediate Sampling Interval
- Deepest Sampling Interval

Note: Surface interval indicator appears at the actual sample location

**Approximate Scale**  
1 Inch = 265 Feet

N ↑



# ENVIRON

Data from May 2001  
 Soil Sampling Event  
 Concentrations of Thallium 208 pCi/g

**LEGEND**

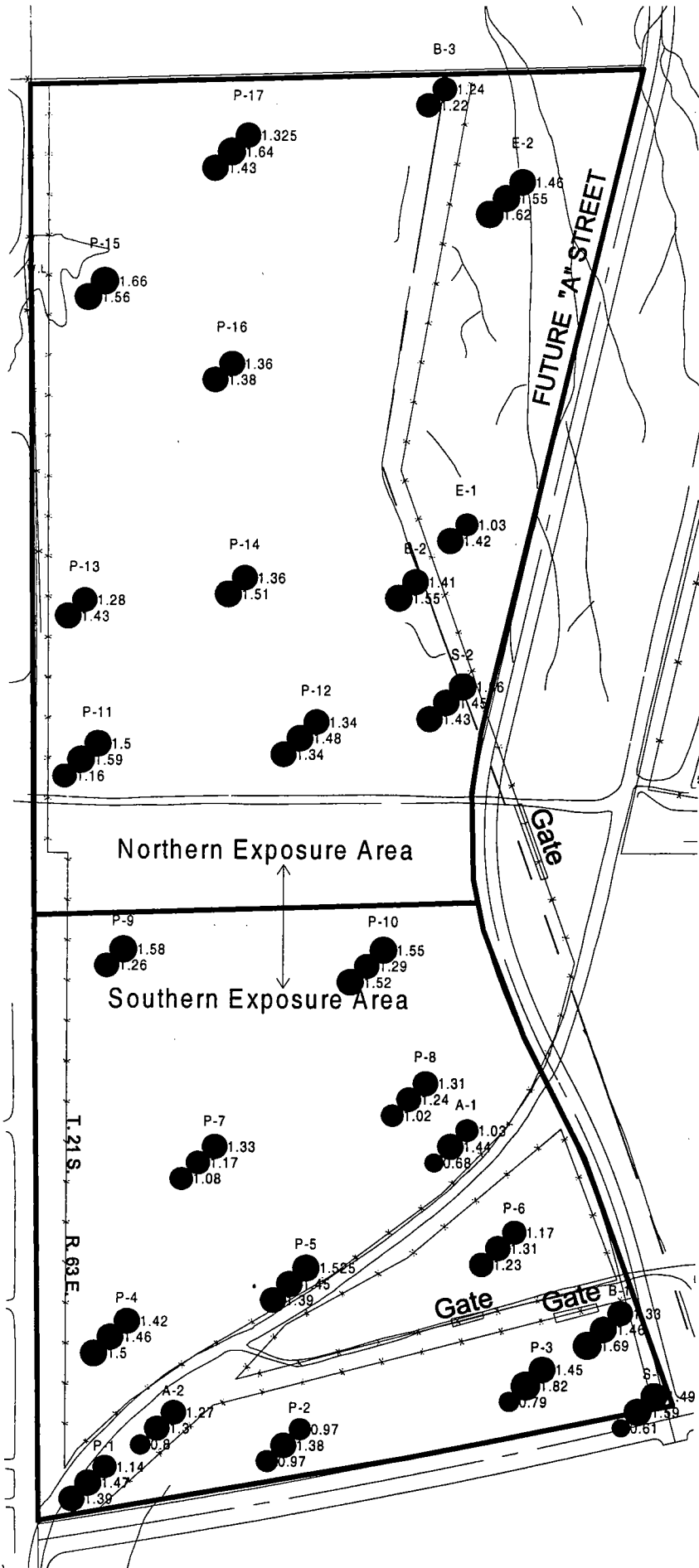
- Surface ( 0-1 foot ) Sampling Interval
- Intermediate Sampling Interval
- Deepest Sampling Interval

Note: Surface interval indicator appears at the actual sample location

**Approximate Scale**

1 Inch = 265 Feet

N ↑



# ENVIRON

Data from May 2001  
Soil Sampling Event  
Concentrations of Thorium 228 pCi/g

**LEGEND**

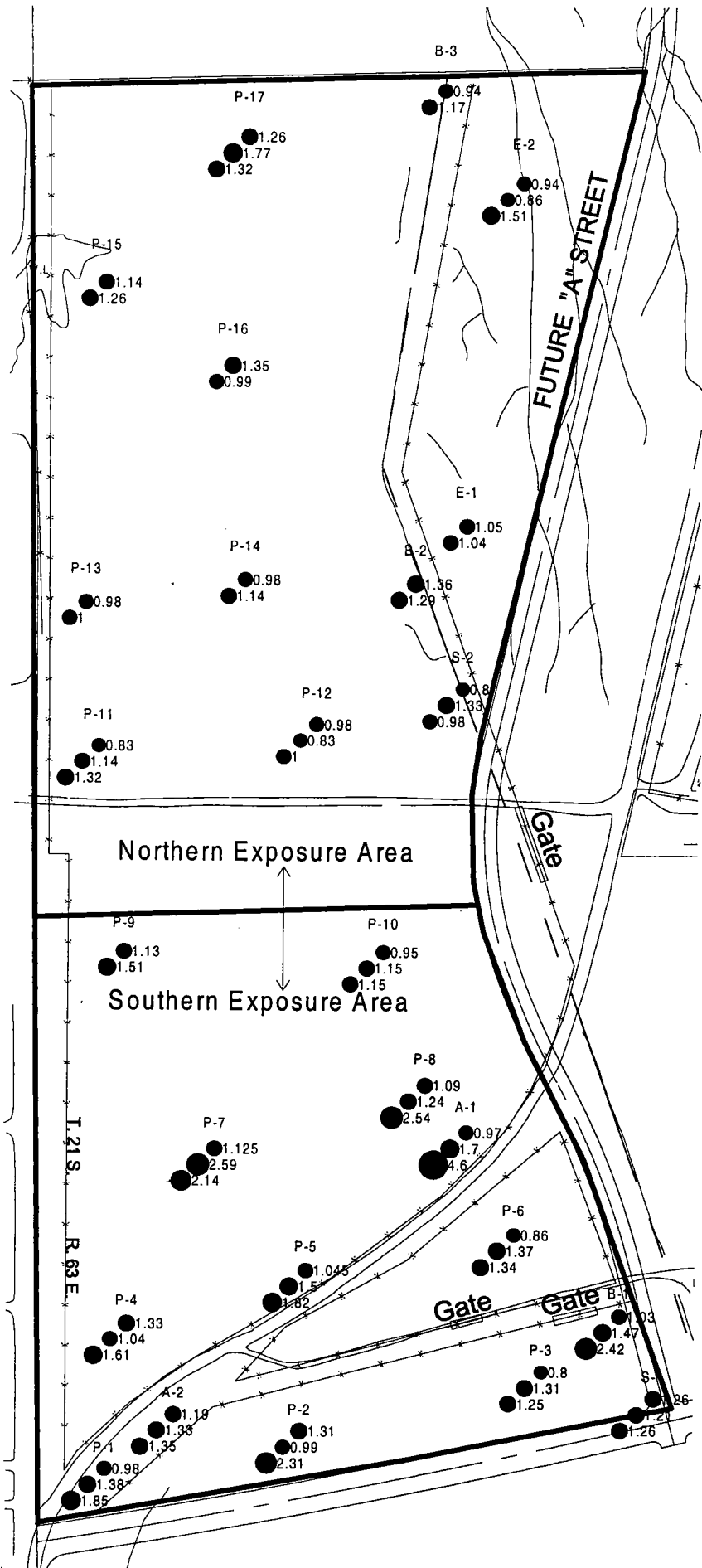
- Surface ( 0-1 foot ) Sampling Interval
- Intermediate Sampling Interval
- Deepest Sampling Interval

Note: Surface interval indicator appears at the actual sample location

**Approximate Scale**

1 Inch = 265 Feet

N ↑



# ENVIRON

Data from May 2001  
Soil Sampling Event  
Concentrations of Thorium 230 pCi/g

**LEGEND**

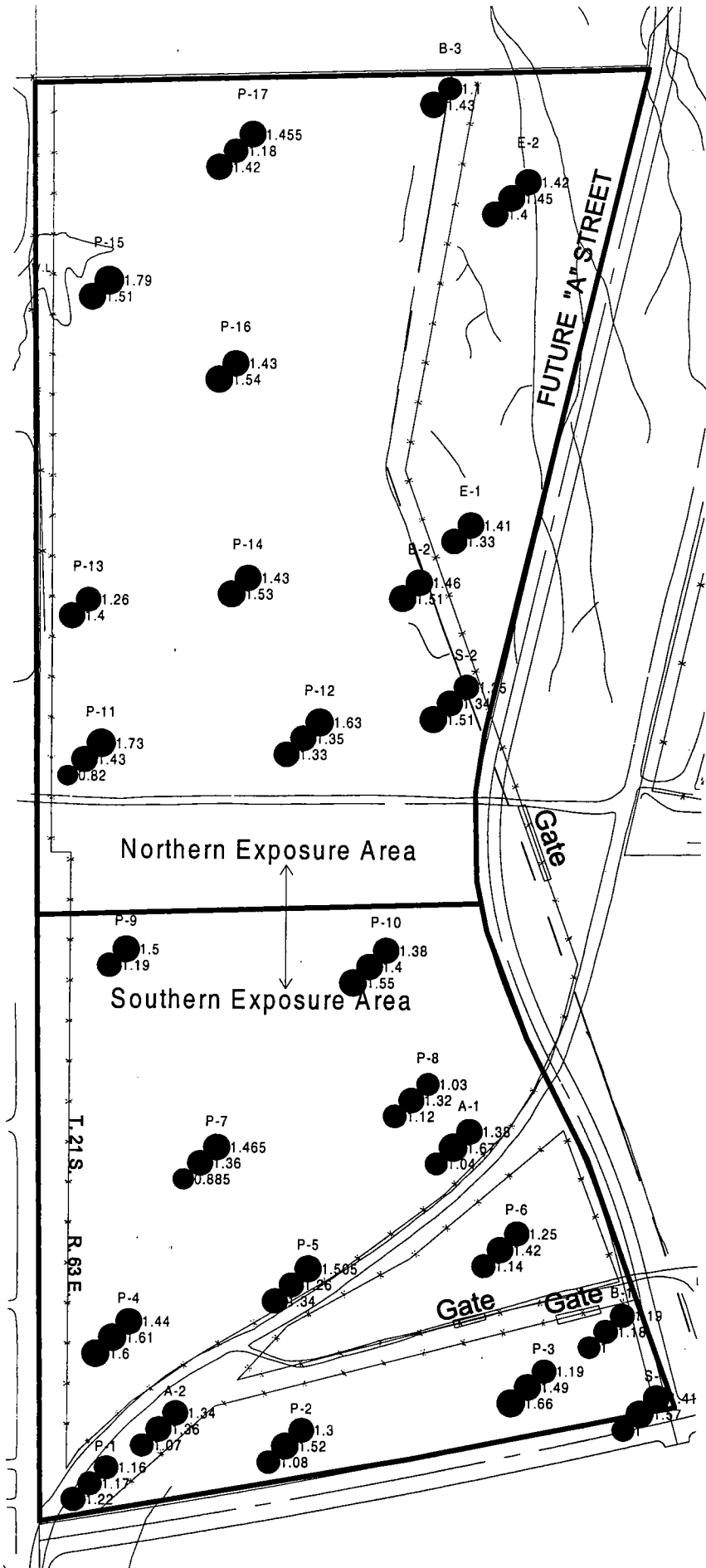
- Surface (0-1 foot) Sampling Interval
- Intermediate Sampling Interval
- Deepest Sampling Interval

Note: Surface interval indicator appears at the actual sample location

**Approximate Scale**

1 Inch = 265 Feet

N



# ENVIRON

Data from May 2001  
Soil Sampling Event  
Concentrations of Thorium 232 pCi/g

**LEGEND**

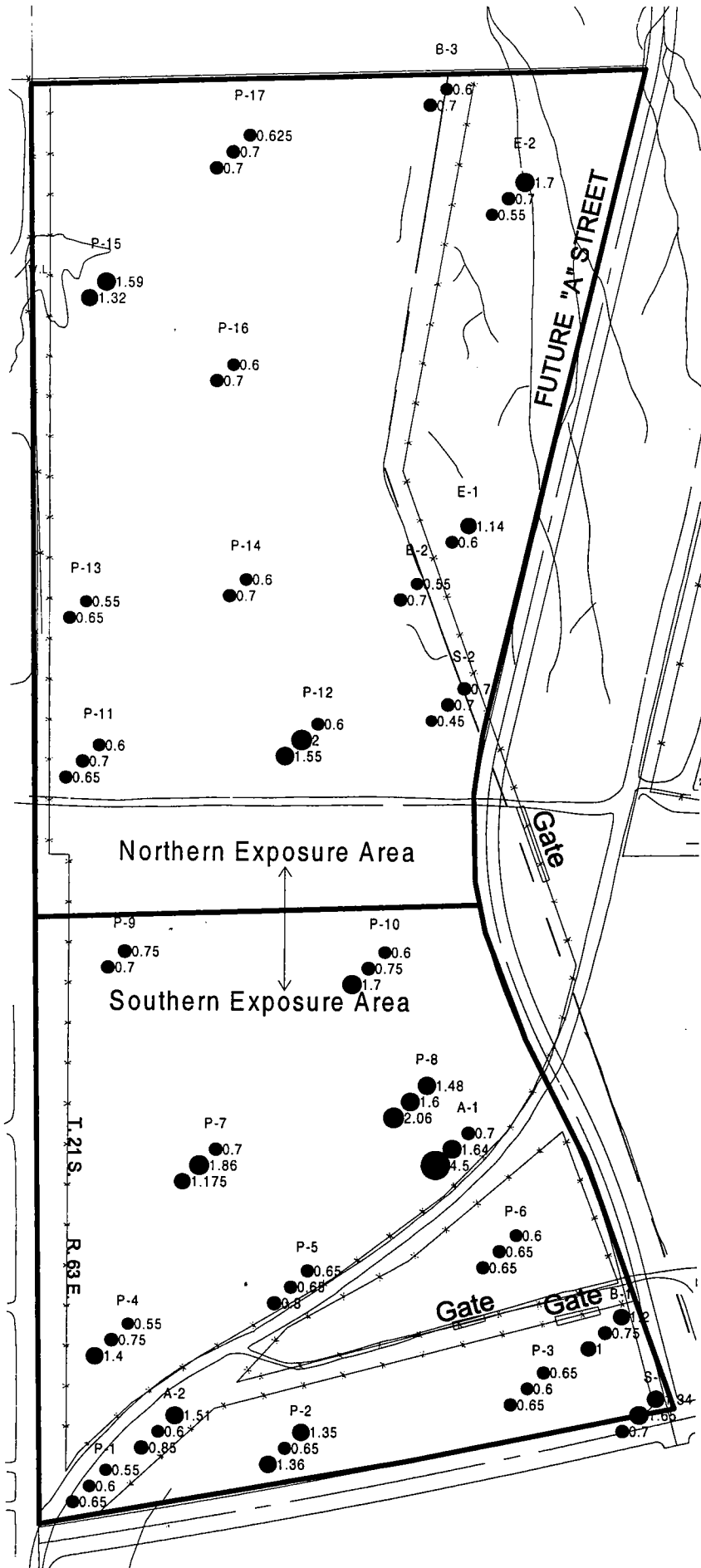
- Surface ( 0-1 foot ) Sampling Interval
- Intermediate Sampling Interval
- Deepest Sampling Interval

Note: Surface interval indicator appears at the actual sample location

**Approximate Scale**

1 Inch = 265 Feet

N ↑



# ENVIRON

Data from May 2001  
 Soil Sampling Event  
 Concentrations of Thorium 234 pCi/g

**LEGEND**

- Surface ( 0-1 foot ) Sampling Interval
- Intermediate Sampling Interval
- Deepest Sampling Interval

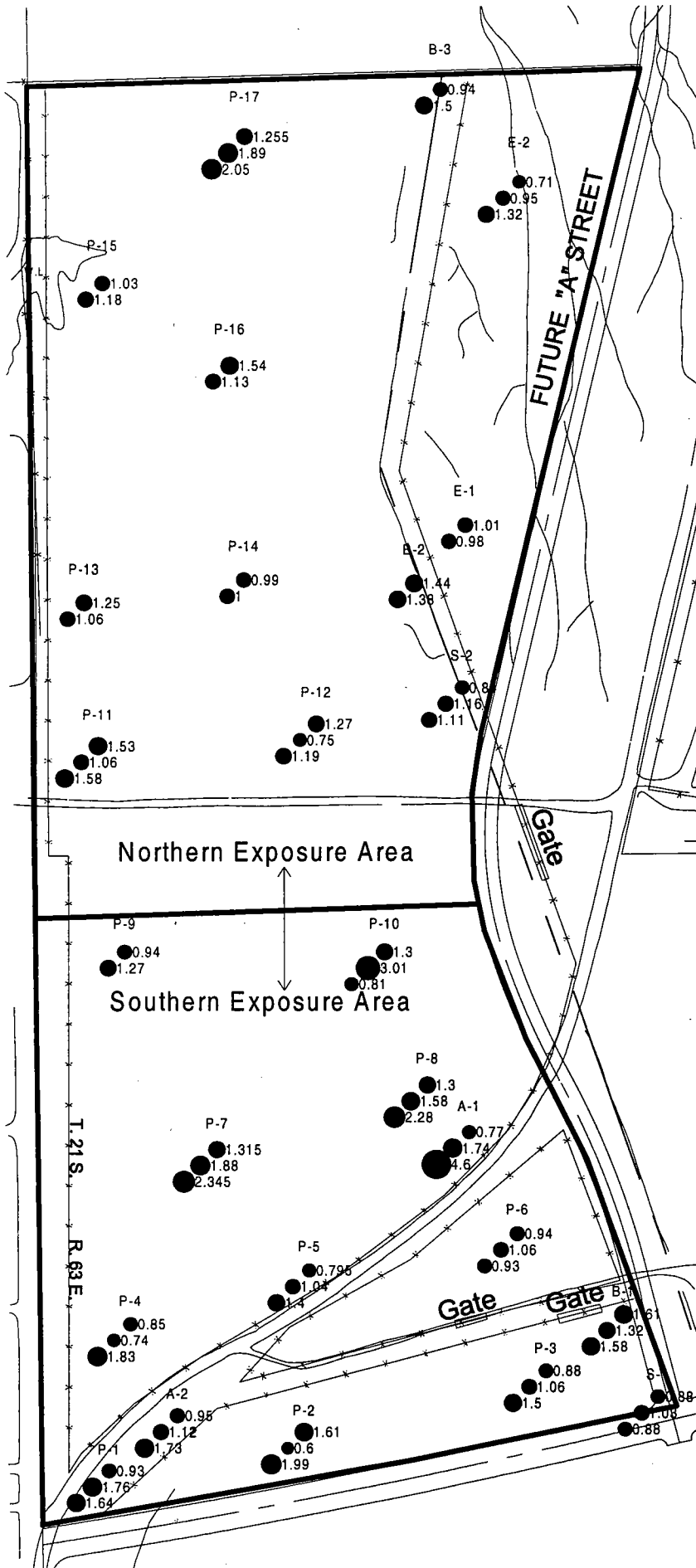
Note: Surface interval indicator appears at the actual sample location

**Approximate Scale**

1 Inch = 265 Feet

N ↑





# ENVIRON

Data from May 2001  
Soil Sampling Event  
Concentrations of Uranium 234 pCi/g

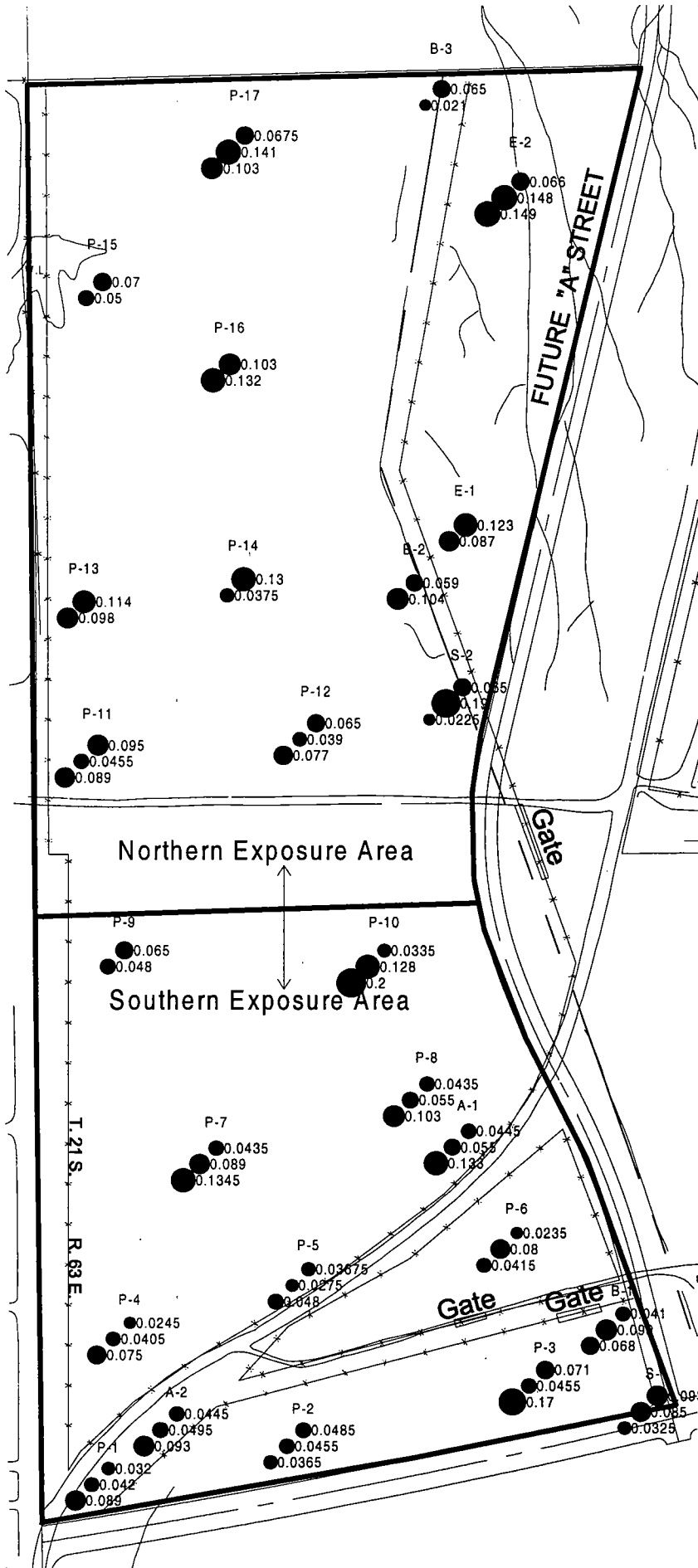
**LEGEND**

- Surface (0-1 foot) Sampling Interval
- Intermediate Sampling Interval
- Deepest Sampling Interval

Note: Surface interval indicator appears at the actual sample location

**Approximate Scale**  
1 Inch = 265 Feet

N ↑



# ENVIRON

Data from May 2001  
Soil Sampling Event  
Concentrations of Uranium 235 pCi/g

**LEGEND**

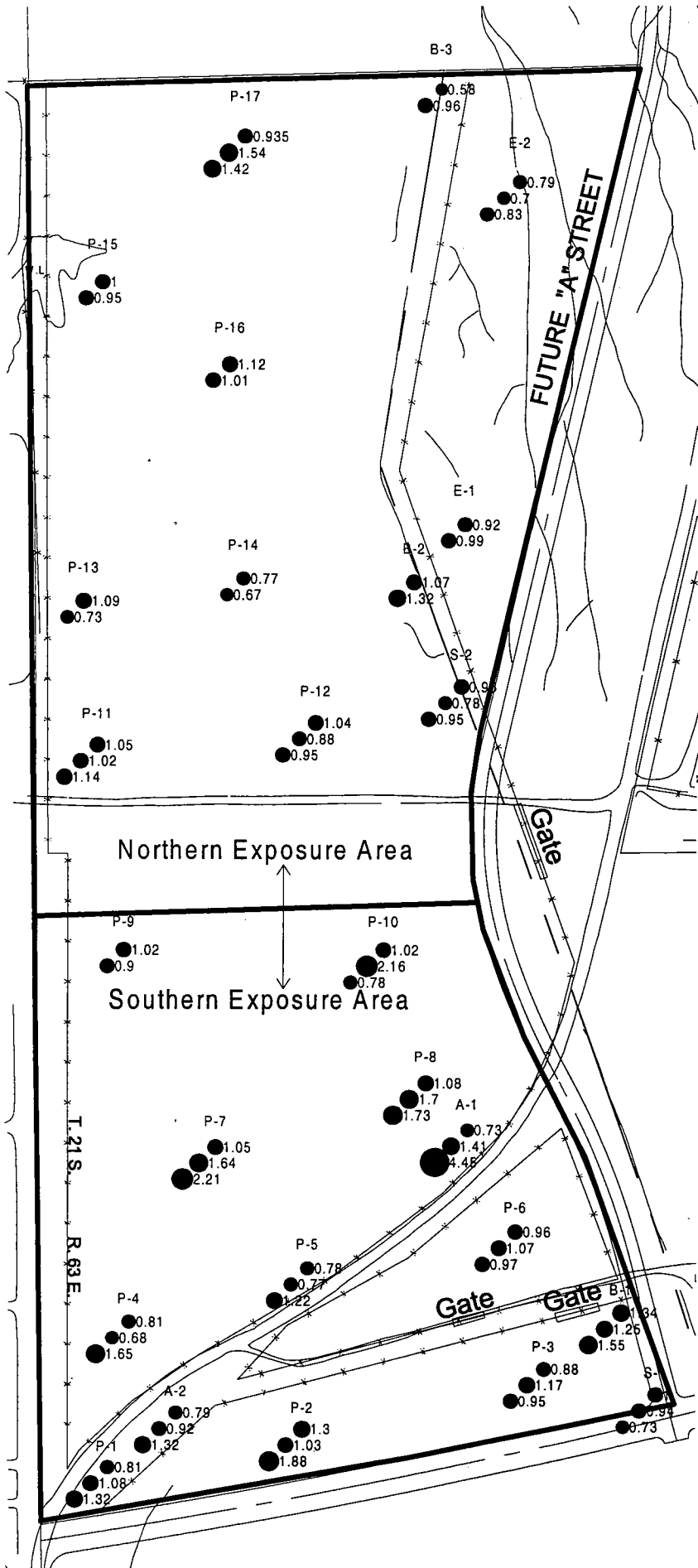
- Surface (0-1 foot) Sampling Interval
- Intermediate Sampling Interval
- Deepest Sampling Interval

Note: Surface interval indicator appears at the actual sample location

**Approximate Scale**

1 Inch = 265 Feet

N ↑



# ENVIRON

Data from May 2001  
 Soil Sampling Event  
 Concentrations of Uranium 238 pCi/g

**LEGEND**

- Surface (0-1 foot) Sampling Interval
- Intermediate Sampling Interval
- Deepest Sampling Interval

Note: Surface interval indicator appears at the actual sample location

**Approximate Scale**

1 Inch = 265 Feet

N ↑

## **APPENDIX D.5 – STATISTICAL ANALYSES**

## APPENDIX D.5

### Explanation of Statistical Analyses

The following pages provide statistical output generated by the JMP® statistical software package (version 3.1, SAS Institute 1995) for each of the 67 chemicals detected in the soil samples collected by ENVIRON at the WRF expansion site in May 2001. The results of the statistical analysis are summarized in this appendix in Table D-6. The analysis presented on the first page of JMP output for each chemical includes graphical depictions of the distribution of sample data (including a histogram, a quantile box plot, an outlier box plot, and a normal quantile plot). The quantiles, moments, and other characteristics of the sample data are provided, as are the results of a Shapiro-Wilk test for normality of the distribution represented by the sample values.

The possibility of systematic differences among groups of samples defined by historical land use and sampling depth zone is investigated using nonparametric analysis of variance (ANOVA). These analyses are used to evaluate the degree of homogeneity of the data set obtained for each detected chemical. Because the available data for most chemicals are not consistent with the hypothesis that they represent a normally distributed population, the ANOVAs are performed using the nonparametric Kruskal-Wallis test.

The second page of JMP output for each chemical presents the ANOVA by LCODE, where LCODE represents the historical land use category. These analyses evaluate the importance of waste disposal in determining the current concentrations of chemicals in the soils at various locations. The LCODE categories are represented by the following symbols in the graphs that appear on the first page of output for each chemical:

- ✕ – P (pond) sampling locations
- ⊕ - D (ditch) sampling locations
- + - O (other) sampling locations

The 46 soil samples collected at the 17 Pond locations are identified in the text and figures of this report by the prefix P in the sample number. The 13 soil samples collected at the 5 ditch sampling locations can be identified by the A and B prefixes. The 11 soil samples collected at the 4 other locations are identified by the E and S prefixes.

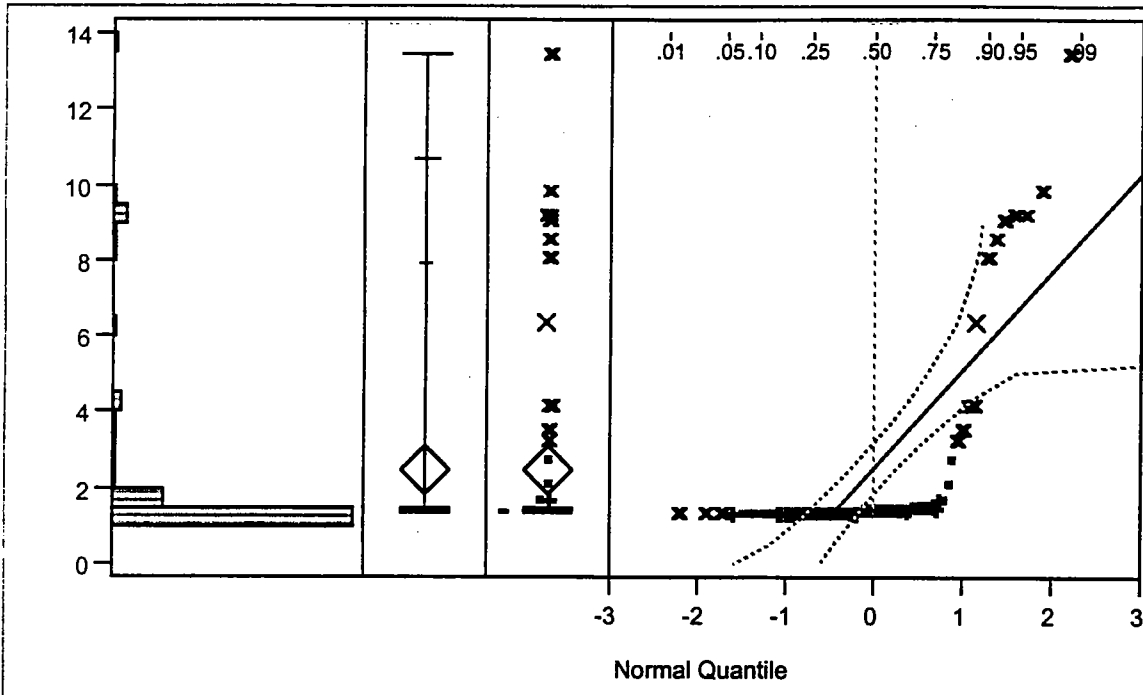
The third page of JMP output for each chemical presents the ANOVA by DCODE, where DCODE represents the sampling depth category. The sampling depths are categorized as T (top, which is the 0-1 foot interval at all locations); M (middle, which is generally either the 4-5 foot or the 10-12 foot interval); or B (bottom, which is usually just above the water table). The ANOVA by DCODE for each chemical

addresses the possibility of a consistent relationship between depth and concentration or activity.

To save space and effort, the statistical output for each chemical is identified by a short mnemonic name. Some of the names are unchanged, and the metals and radionuclides are represented by their chemical symbols. A key to the remaining names is provided below. The results of the statistical analysis presented on the following pages are discussed in section II.B of the report.

| <b><u>Chemical</u></b> | <b><u>short name</u></b> |
|------------------------|--------------------------|
| chloroform             | chloform                 |
| ethylbenzene           | ethbenz                  |
| methylene chloride     | methclor                 |
| tetrachlorethene       | PCE                      |
| butyl benzyl phthalate | BBphth                   |
| di-n-butyl phthalate   | 2nbphth                  |
| dioxins                | TEQ                      |
| 4,4'-DDD               | 44DDD                    |
| 4,4'-DDE               | 44DDE                    |
| 4,4'-DDT               | 44DDT                    |
| alpha chlordane        | achlrdane                |
| beta-BHC               | betaBHC                  |
| endosulfan II          | endosulf2                |
| endosulfan sulfate     | endosulf                 |
| endrin aldehyde        | endrnaldhyde             |
| endrin ketone          | endrnketone              |
| gamma-chlordane        | gchlrdn                  |
| heptachlor epoxide     | heptepox                 |
| perchlorate            | perchlor                 |

acetone



**Quantiles**

|          |        |        |
|----------|--------|--------|
| maximum  | 100.0% | 13.500 |
|          | 99.5%  | 13.500 |
|          | 97.5%  | 10.710 |
|          | 90.0%  | 7.925  |
| quartile | 75.0%  | 1.513  |
| median   | 50.0%  | 1.450  |
| quartile | 25.0%  | 1.400  |
|          | 10.0%  | 1.400  |
|          | 2.5%   | 1.350  |
|          | 0.5%   | 1.350  |
| minimum  | 0.0%   | 1.350  |

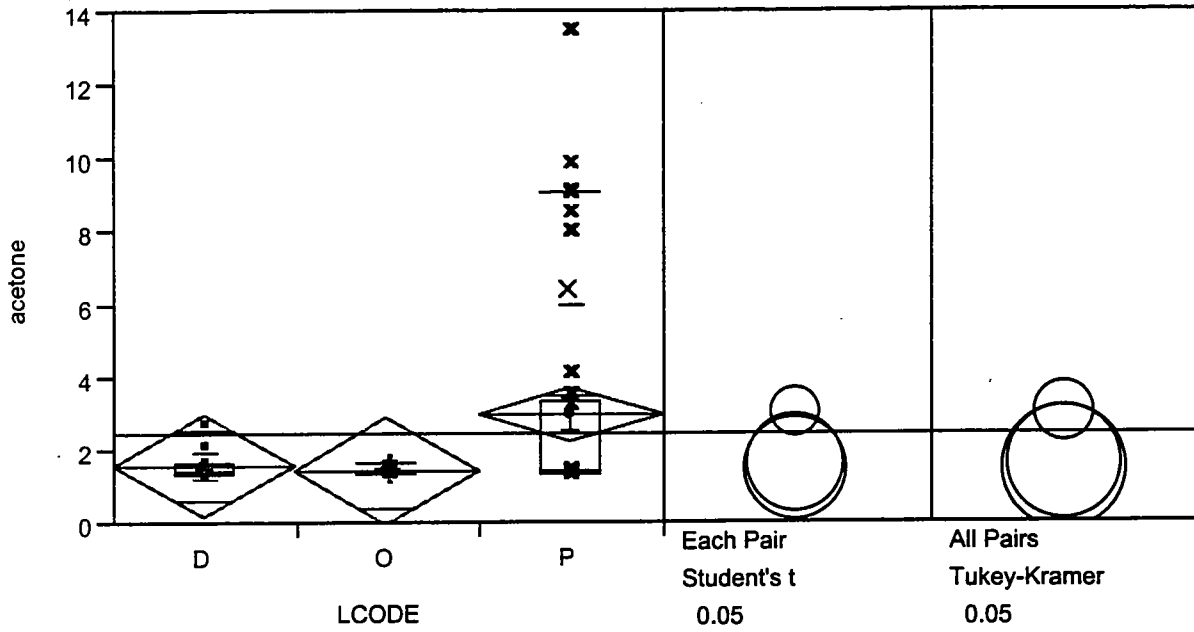
**Moments**

|                |           |
|----------------|-----------|
| Mean           | 2.49571   |
| Std Dev        | 2.59271   |
| Std Error Mean | 0.30989   |
| Upper 95% Mean | 3.11393   |
| Lower 95% Mean | 1.87750   |
| N              | 70.00000  |
| Sum Weights    | 70.00000  |
| Sum            | 174.70000 |
| Variance       | 6.72216   |
| Skewness       | 2.59757   |
| Kurtosis       | 6.06614   |
| CV             | 103.88657 |

**Test for Normality**

|                     |        |
|---------------------|--------|
| Shapiro-Wilk W Test |        |
| W                   | Prob<W |
| 0.496111            | 0.0000 |

acetone By LCODE



Analysis Display

Quantiles

| Level | minimum | 10.0% | 25.0% | median | 75.0% | 90.0% | maximum |
|-------|---------|-------|-------|--------|-------|-------|---------|
| D     | 1.4     | 1.4   | 1.4   | 1.45   | 1.625 | 2.54  | 2.8     |
| O     | 1.35    | 1.36  | 1.4   | 1.4    | 1.45  | 1.67  | 1.7     |
| P     | 1.35    | 1.4   | 1.4   | 1.45   | 3.375 | 9.13  | 13.5    |

Oneway Anova

Means and Std Deviations

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| D     | 13     | 1.61923 | 0.41309 | 0.11457      |
| O     | 11     | 1.44091 | 0.09954 | 0.03001      |
| P     | 46     | 2.99565 | 3.08386 | 0.45469      |

Means Comparisons

Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

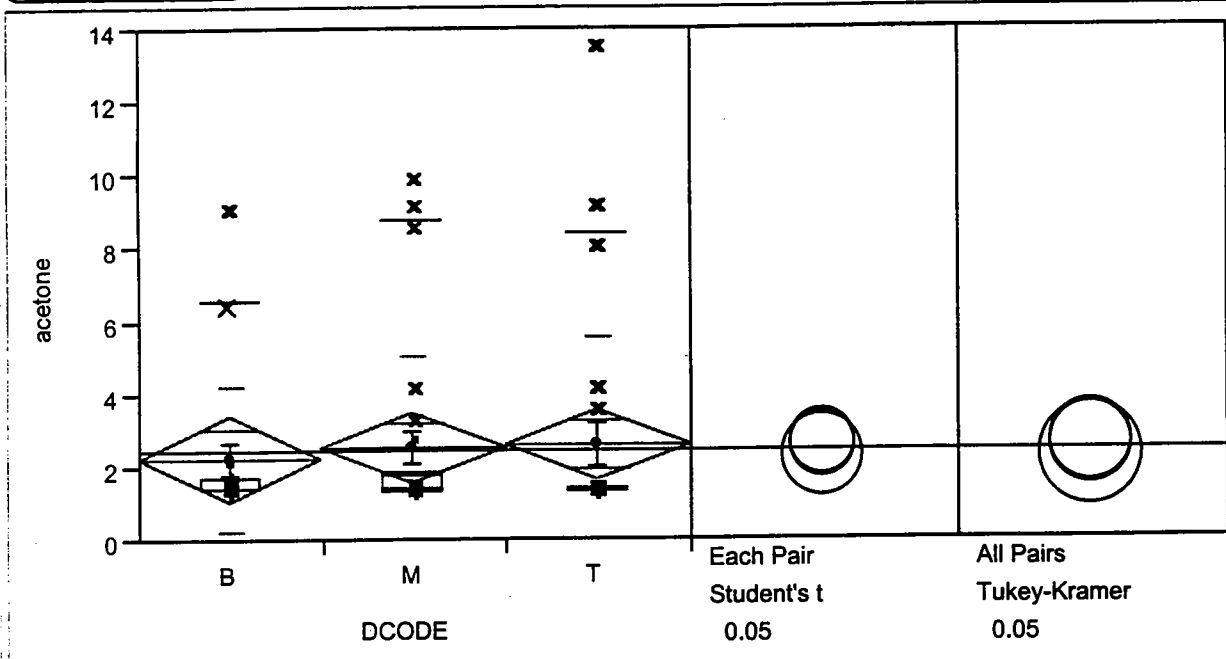
| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| D     | 13    | 474       | 36.4615    | 0.187             |
| O     | 11    | 272.5     | 24.7727    | -1.960            |
| P     | 46    | 1738.5    | 37.7935    | 1.343             |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 3.9215    | 2  | 0.1407     |



acetone By DCODE



Analysis Display

Quantiles

| Level | minimum | 10.0% | 25.0% | median | 75.0%  | 90.0% | maximum |
|-------|---------|-------|-------|--------|--------|-------|---------|
| B     | 1.4     | 1.445 | 1.45  | 1.475  | 1.7125 | 6.625 | 9.1     |
| M     | 1.35    | 1.4   | 1.4   | 1.425  | 1.825  | 8.78  | 9.9     |
| T     | 1.35    | 1.35  | 1.4   | 1.4    | 1.4625 | 8.43  | 13.5    |

Oneway Anova

Means and Std Deviations

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| B     | 18     | 2.22778 | 2.06235 | 0.48610      |
| M     | 26     | 2.55577 | 2.55853 | 0.50177      |
| T     | 26     | 2.62115 | 3.00716 | 0.58975      |

Means Comparisons

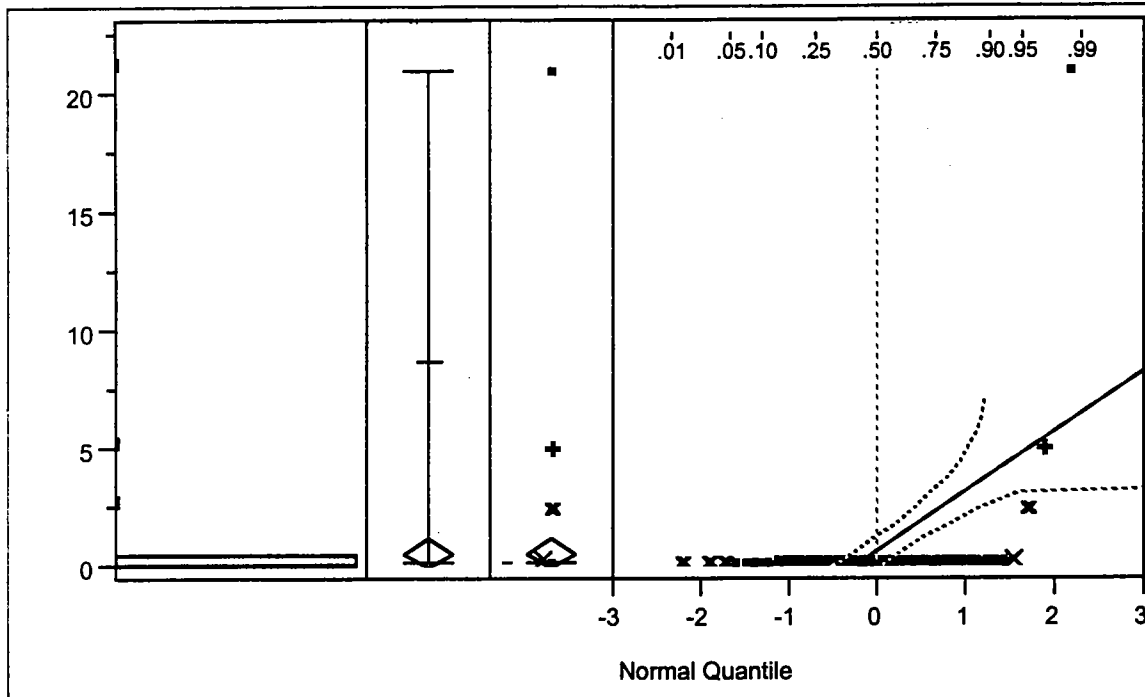
Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| B     | 18    | 826.5     | 45.9167    | 2.598             |
| M     | 26    | 896.5     | 34.4808    | -0.327            |
| T     | 26    | 762       | 29.3077    | -2.017            |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 7.6818    | 2  | 0.0215     |

chloform



Quantiles

|          |        |        |
|----------|--------|--------|
| maximum  | 100.0% | 21.000 |
|          | 99.5%  | 21.000 |
|          | 97.5%  | 8.677  |
|          | 90.0%  | 0.140  |
| quartile | 75.0%  | 0.135  |
| median   | 50.0%  | 0.130  |
| quartile | 25.0%  | 0.125  |
|          | 10.0%  | 0.125  |
|          | 2.5%   | 0.120  |
|          | 0.5%   | 0.120  |
| minimum  | 0.0%   | 0.120  |

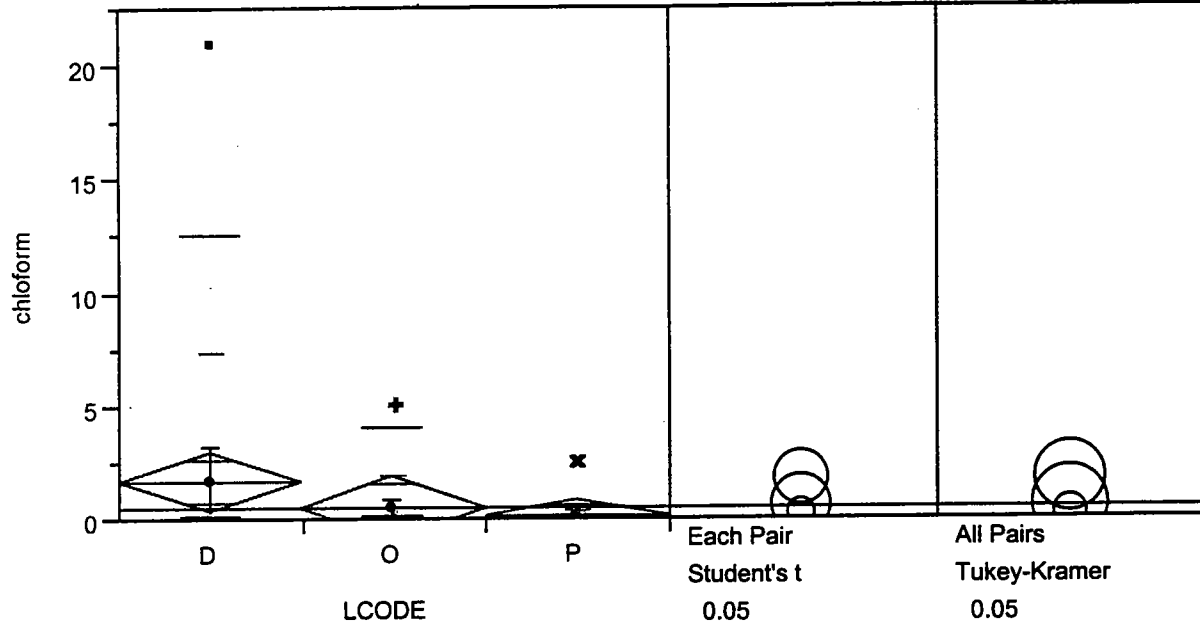
Moments

|                |           |
|----------------|-----------|
| Mean           | 0.53286   |
| Std Dev        | 2.56656   |
| Std Error Mean | 0.30676   |
| Upper 95% Mean | 1.14483   |
| Lower 95% Mean | -0.07912  |
| N              | 70.00000  |
| Sum Weights    | 70.00000  |
| Sum            | 37.30000  |
| Variance       | 6.58721   |
| Skewness       | 7.65279   |
| Kurtosis       | 60.96619  |
| CV             | 481.65938 |

Test for Normality

|                     |        |
|---------------------|--------|
| Shapiro-Wilk W Test |        |
| W                   | Prob<W |
| 0.174209            | 0.0000 |

chloroform By LCODE



Analysis  Display

Quantiles

| Level | minimum | 10.0% | 25.0% | median | 75.0% | 90.0%  | maximum |
|-------|---------|-------|-------|--------|-------|--------|---------|
| D     | 0.125   | 0.125 | 0.125 | 0.13   | 0.135 | 12.664 | 21      |
| O     | 0.125   | 0.125 | 0.125 | 0.125  | 0.13  | 4.108  | 5.1     |
| P     | 0.12    | 0.125 | 0.125 | 0.13   | 0.135 | 0.14   | 2.5     |

Oneway Anova

Means and Std Deviations

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| D     | 13     | 1.73654 | 5.78796 | 1.6053       |
| O     | 11     | 0.57955 | 1.49927 | 0.4520       |
| P     | 46     | 0.18152 | 0.34951 | 0.0515       |

Means Comparisons

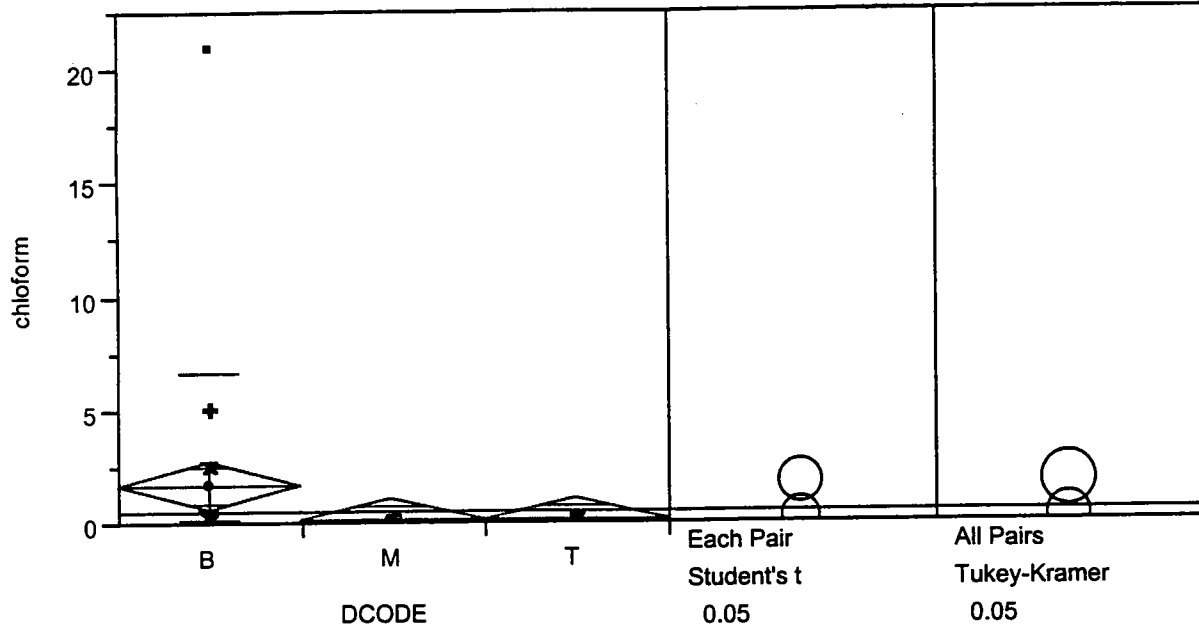
Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| D     | 13    | 496.5     | 38.1923    | 0.543             |
| O     | 11    | 327       | 29.7273    | -1.059            |
| P     | 46    | 1661.5    | 36.1196    | 0.361             |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 1.2540    | 2  | 0.5342     |

chloform By DCODE



Analysis  Display

Quantiles

| Level | minimum | 10.0% | 25.0% | median | 75.0% | 90.0% | maximum |
|-------|---------|-------|-------|--------|-------|-------|---------|
| B     | 0.13    | 0.13  | 0.13  | 0.135  | 0.16  | 6.69  | 21      |
| M     | 0.12    | 0.12  | 0.125 | 0.13   | 0.13  | 0.135 | 0.14    |
| T     | 0.125   | 0.125 | 0.125 | 0.125  | 0.13  | 0.135 | 0.145   |

Oneway Anova

Means and Std Deviations

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| B     | 18     | 1.70250 | 4.97858 | 1.1735       |
| M     | 26     | 0.12827 | 0.00509 | 0.0010       |
| T     | 26     | 0.12769 | 0.00469 | 0.0009       |

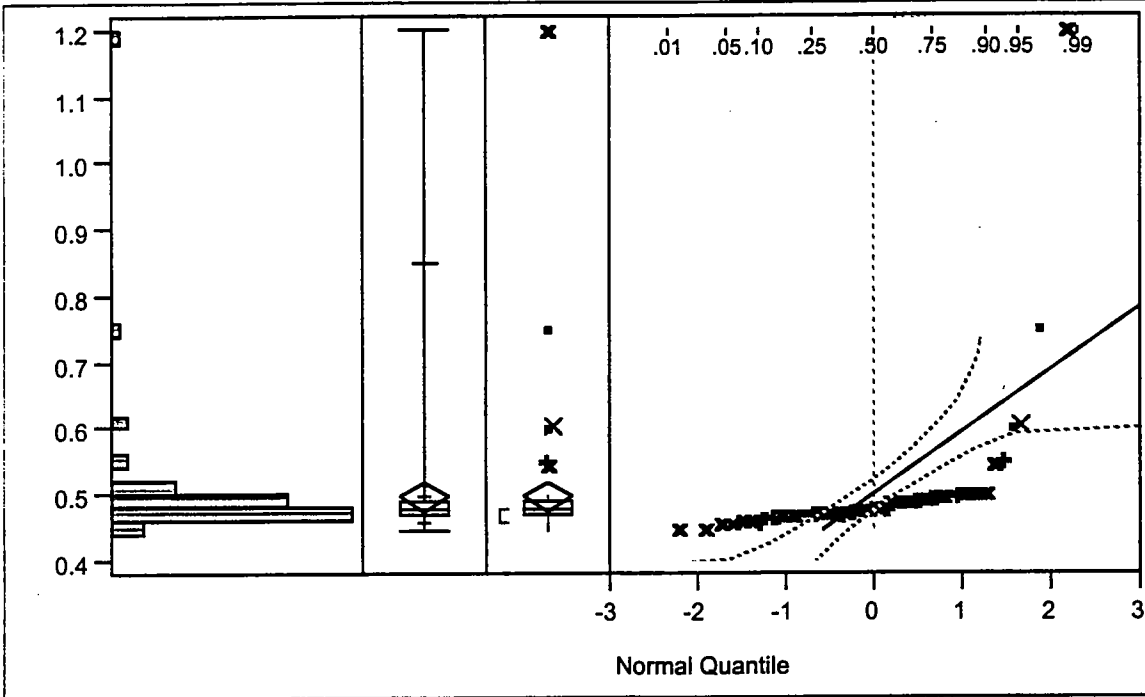
Means Comparisons

Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| B     | 18    | 969       | 53.8333    | 4.613             |
| M     | 26    | 814.5     | 31.3269    | -1.368            |
| T     | 26    | 701.5     | 26.9808    | -2.799            |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 21.9887   | 2  | <.0001     |



**Quantiles**

|          |        |        |
|----------|--------|--------|
| maximum  | 100.0% | 1.2000 |
|          | 99.5%  | 1.2000 |
|          | 97.5%  | 0.8512 |
|          | 90.0%  | 0.5000 |
| quartile | 75.0%  | 0.4912 |
| median   | 50.0%  | 0.4800 |
| quartile | 25.0%  | 0.4700 |
|          | 10.0%  | 0.4605 |
|          | 2.5%   | 0.4450 |
|          | 0.5%   | 0.4450 |
| minimum  | 0.0%   | 0.4450 |

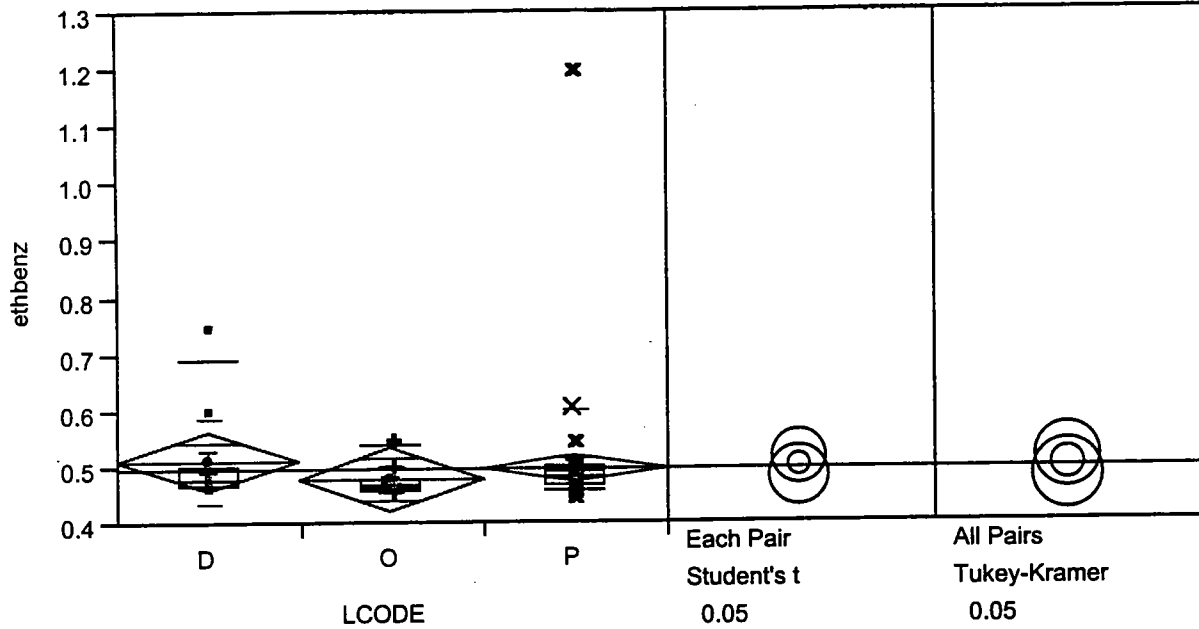
**Moments**

|                |          |
|----------------|----------|
| Mean           | 0.49739  |
| Std Dev        | 0.09482  |
| Std Error Mean | 0.01133  |
| Upper 95% Mean | 0.52000  |
| Lower 95% Mean | 0.47478  |
| N              | 70.00000 |
| Sum Weights    | 70.00000 |
| Sum            | 34.81750 |
| Variance       | 0.00899  |
| Skewness       | 6.37240  |
| Kurtosis       | 45.37212 |
| CV             | 19.06399 |

**Test for Normality**

|                     |        |
|---------------------|--------|
| Shapiro-Wilk W Test |        |
| W                   | Prob<W |
| 0.359985            | 0.0000 |

ethbenz By LCODE



Analysis  Display

Quantiles

| Level | minimum | 10.0%  | 25.0% | median | 75.0%   | 90.0% | maximum |
|-------|---------|--------|-------|--------|---------|-------|---------|
| D     | 0.465   | 0.467  | 0.47  | 0.48   | 0.5     | 0.69  | 0.75    |
| O     | 0.46    | 0.461  | 0.465 | 0.47   | 0.48    | 0.54  | 0.55    |
| P     | 0.445   | 0.4585 | 0.47  | 0.4825 | 0.49125 | 0.5   | 1.2     |

Oneway Anova

Means and Std Deviations

| Level | Number | Mean     | Std Dev  | Std Err Mean |
|-------|--------|----------|----------|--------------|
| D     | 13     | 0.509231 | 0.080489 | 0.02232      |
| O     | 11     | 0.480455 | 0.025442 | 0.00767      |
| P     | 46     | 0.498098 | 0.108647 | 0.01602      |

Means Comparisons

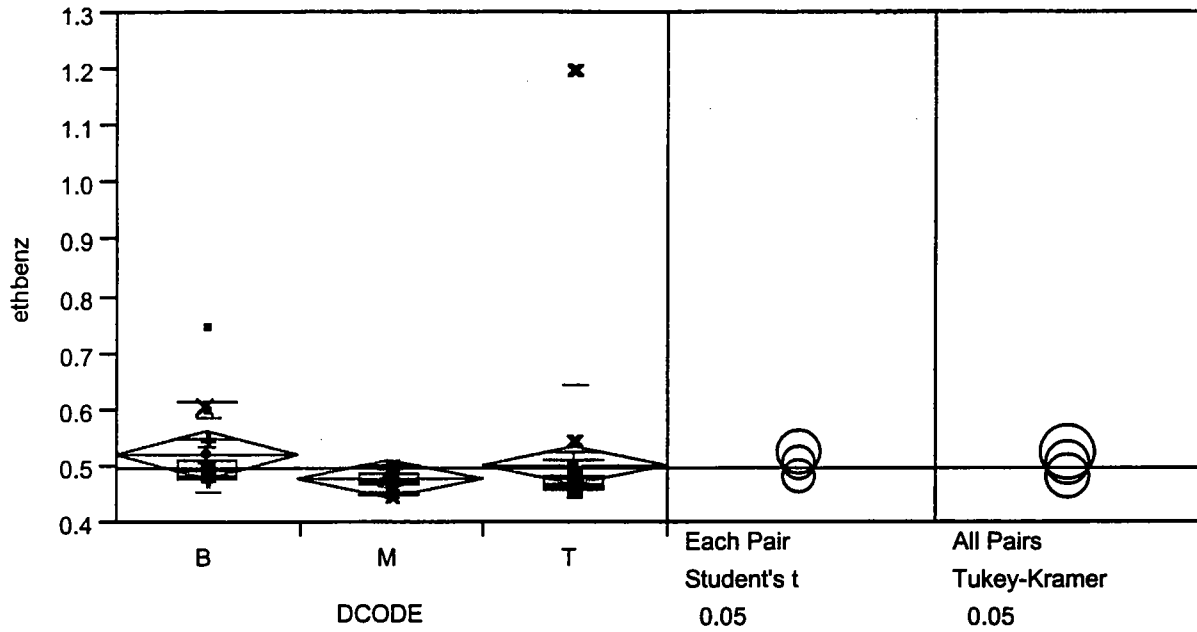
Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| D     | 13    | 505       | 38.8462    | 0.653             |
| O     | 11    | 319.5     | 29.0455    | -1.145            |
| P     | 46    | 1660.5    | 36.0978    | 0.336             |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 1.5159    | 2  | 0.4686     |

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Analysis  Display

Quantiles

| Level | minimum | 10.0% | 25.0% | median | 75.0%   | 90.0%  | maximum |
|-------|---------|-------|-------|--------|---------|--------|---------|
| B     | 0.48    | 0.48  | 0.485 | 0.495  | 0.5125  | 0.615  | 0.75    |
| M     | 0.445   | 0.452 | 0.47  | 0.475  | 0.49    | 0.5    | 0.5     |
| T     | 0.455   | 0.46  | 0.465 | 0.47   | 0.48125 | 0.5135 | 1.2     |

Oneway Anova

Means and Std Deviations

| Level | Number | Mean     | Std Dev  | Std Err Mean |
|-------|--------|----------|----------|--------------|
| B     | 18     | 0.520278 | 0.068459 | 0.01614      |
| M     | 26     | 0.476154 | 0.014987 | 0.00294      |
| T     | 26     | 0.502788 | 0.143277 | 0.02810      |

Means Comparisons

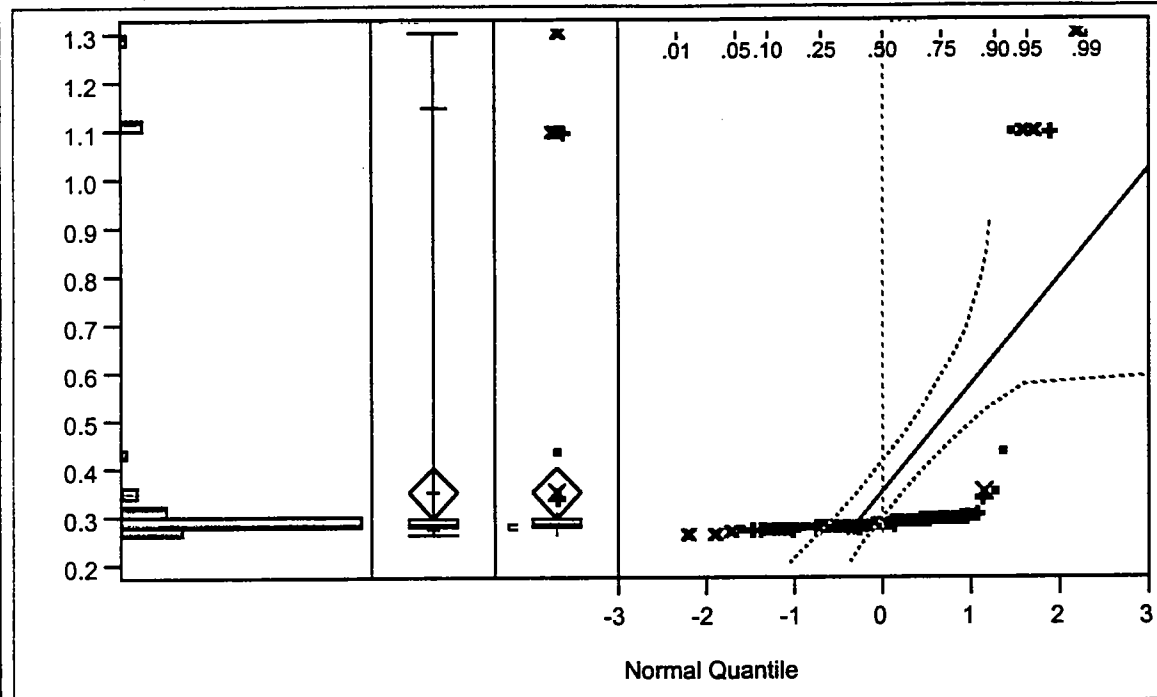
Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| B     | 18    | 970.5     | 53.9167    | 4.475             |
| M     | 26    | 811.5     | 31.2115    | -1.357            |
| T     | 26    | 703       | 27.0385    | -2.684            |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 20.6387   | 2  | <.0001     |

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**Quantiles**

|          |        |        |
|----------|--------|--------|
| maximum  | 100.0% | 1.3000 |
|          | 99.5%  | 1.3000 |
|          | 97.5%  | 1.1450 |
|          | 90.0%  | 0.3545 |
| quartile | 75.0%  | 0.2963 |
| median   | 50.0%  | 0.2850 |
| quartile | 25.0%  | 0.2800 |
|          | 10.0%  | 0.2750 |
|          | 2.5%   | 0.2650 |
|          | 0.5%   | 0.2650 |
| minimum  | 0.0%   | 0.2650 |

**Moments**

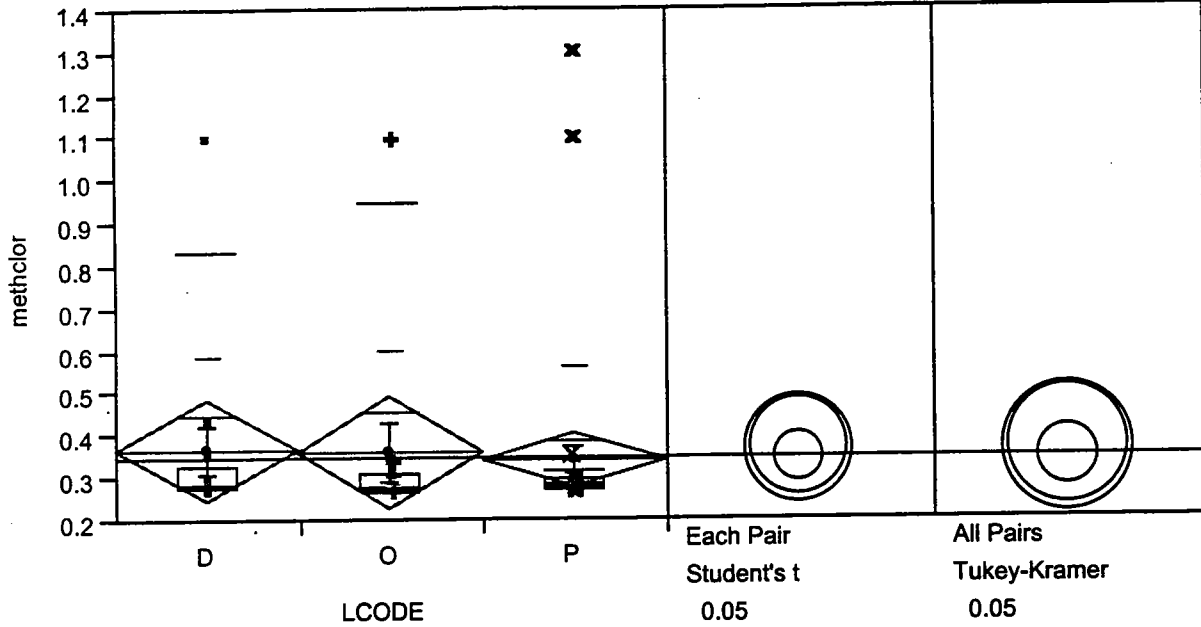
|                |          |
|----------------|----------|
| Mean           | 0.35107  |
| Std Dev        | 0.22269  |
| Std Error Mean | 0.02662  |
| Upper 95% Mean | 0.40417  |
| Lower 95% Mean | 0.29797  |
| N              | 70.00000 |
| Sum Weights    | 70.00000 |
| Sum            | 24.57500 |
| Variance       | 0.04959  |
| Skewness       | 3.40013  |
| Kurtosis       | 10.17640 |
| CV             | 63.43121 |

**Test for Normality**

|                     |        |
|---------------------|--------|
| Shapiro-Wilk W Test |        |
| W                   | Prob<W |
| 0.362839            | 0.0000 |



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Analysis Display

Quantiles

| Level | minimum | 10.0% | 25.0% | median | 75.0%  | 90.0%  | maximum |
|-------|---------|-------|-------|--------|--------|--------|---------|
| D     | 0.275   | 0.277 | 0.28  | 0.285  | 0.3275 | 0.834  | 1.1     |
| O     | 0.275   | 0.275 | 0.275 | 0.28   | 0.31   | 0.948  | 1.1     |
| P     | 0.265   | 0.275 | 0.28  | 0.2875 | 0.295  | 0.3185 | 1.3     |

Oneway Anova

Means and Std Deviations

| Level | Number | Mean     | Std Dev  | Std Err Mean |
|-------|--------|----------|----------|--------------|
| D     | 13     | 0.364615 | 0.225439 | 0.06253      |
| O     | 11     | 0.361818 | 0.245635 | 0.07406      |
| P     | 46     | 0.344674 | 0.221257 | 0.03262      |

Means Comparisons

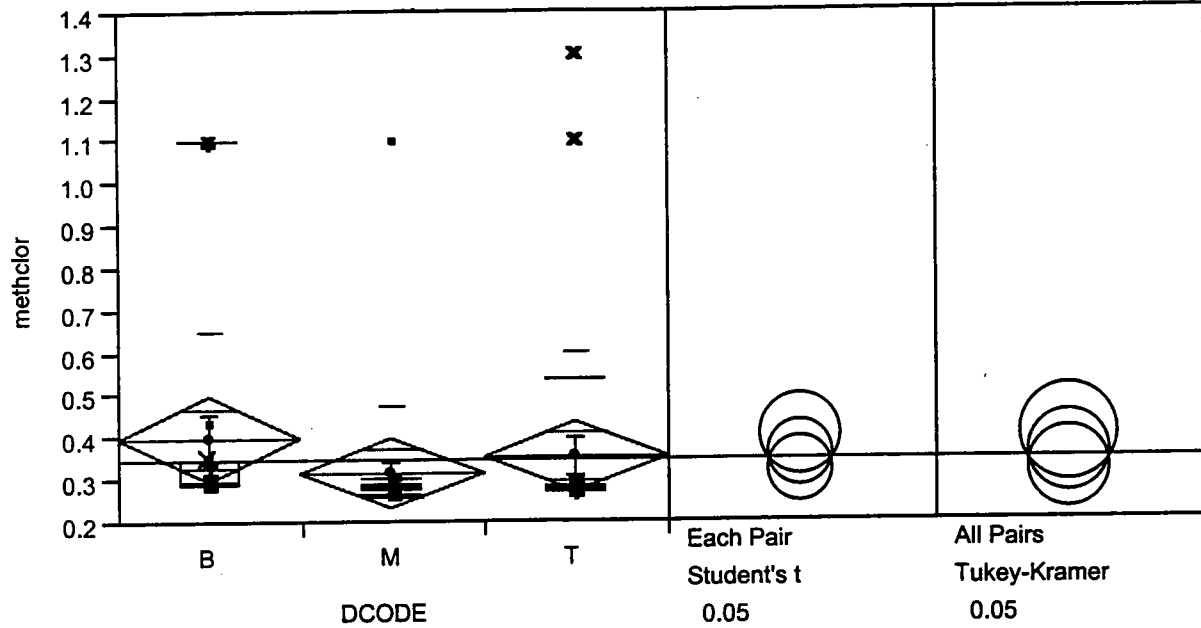
Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| D     | 13    | 501       | 38.5385    | 0.595             |
| O     | 11    | 328       | 29.8182    | -1.011            |
| P     | 46    | 1656      | 36.0000    | 0.281             |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 1.2000    | 2  | 0.5488     |

**methclor By DCODE**



Analysis  Display

**Quantiles**

| Level | minimum | 10.0%  | 25.0%   | median | 75.0%   | 90.0%  | maximum |
|-------|---------|--------|---------|--------|---------|--------|---------|
| B     | 0.285   | 0.2895 | 0.29    | 0.3    | 0.35125 | 1.1    | 1.1     |
| M     | 0.265   | 0.2685 | 0.28    | 0.2825 | 0.29125 | 0.3015 | 1.1     |
| T     | 0.275   | 0.275  | 0.27875 | 0.28   | 0.28625 | 0.54   | 1.3     |

**Oneway Anova**

**Means and Std Deviations**

| Level | Number | Mean     | Std Dev  | Std Err Mean |
|-------|--------|----------|----------|--------------|
| B     | 18     | 0.401111 | 0.256931 | 0.06056      |
| M     | 26     | 0.315000 | 0.160418 | 0.03146      |
| T     | 26     | 0.352500 | 0.251173 | 0.04926      |

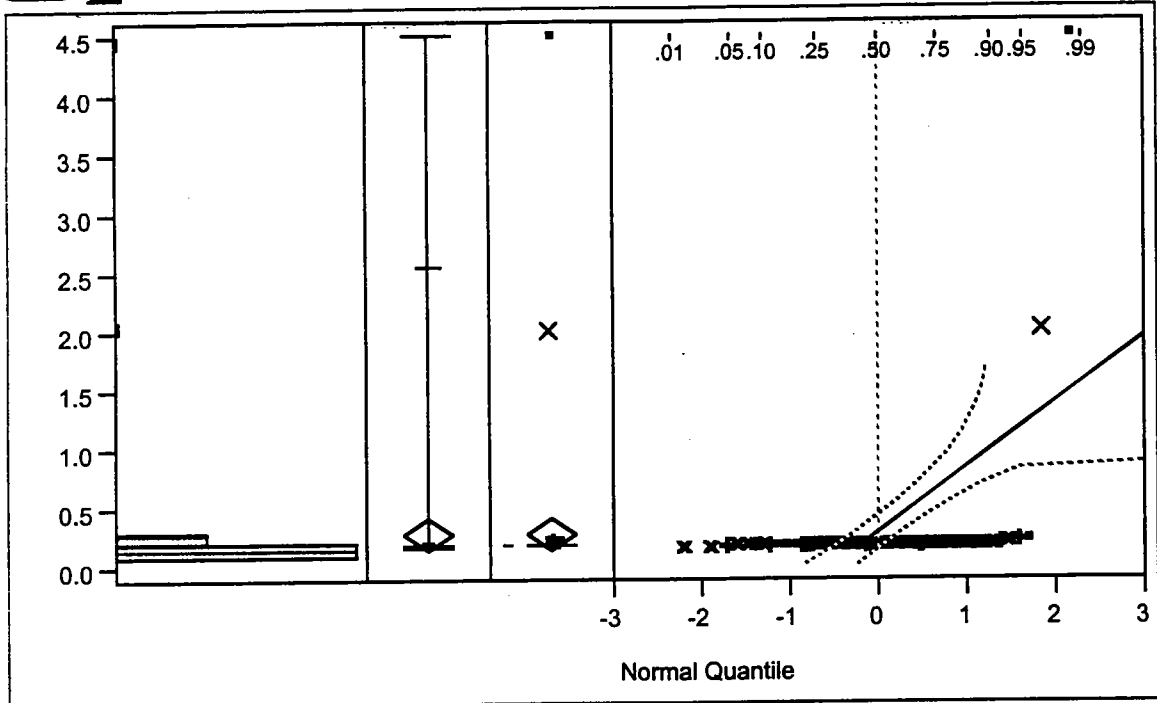
**Means Comparisons**

**Wilcoxon / Kruskal-Wallis Tests (Rank Sums)**

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| B     | 18    | 978.5     | 54.3611    | 4.604             |
| M     | 26    | 785       | 30.1923    | -1.689            |
| T     | 26    | 721.5     | 27.7500    | -2.469            |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 21.4475   | 2  | <.0001     |



**Quantiles**

|          |        |        |
|----------|--------|--------|
| maximum  | 100.0% | 4.5000 |
|          | 99.5%  | 4.5000 |
|          | 97.5%  | 2.5625 |
|          | 90.0%  | 0.2050 |
| quartile | 75.0%  | 0.2000 |
| median   | 50.0%  | 0.1950 |
| quartile | 25.0%  | 0.1900 |
|          | 10.0%  | 0.1850 |
|          | 2.5%   | 0.1800 |
|          | 0.5%   | 0.1800 |
| minimum  | 0.0%   | 0.1800 |

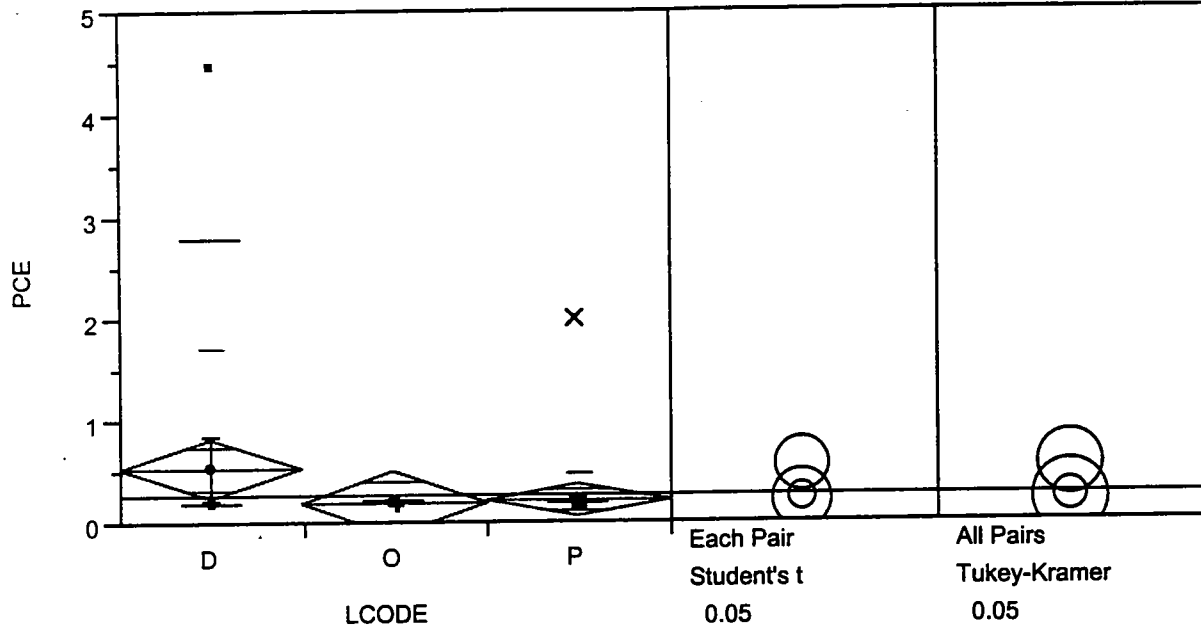
**Moments**

|                |           |
|----------------|-----------|
| Mean           | 0.28243   |
| Std Dev        | 0.55512   |
| Std Error Mean | 0.06635   |
| Upper 95% Mean | 0.41479   |
| Lower 95% Mean | 0.15007   |
| N              | 70.00000  |
| Sum Weights    | 70.00000  |
| Sum            | 19.77000  |
| Variance       | 0.30815   |
| Skewness       | 6.98085   |
| Kurtosis       | 50.99406  |
| CV             | 196.55066 |

**Test for Normality**

|                     |        |
|---------------------|--------|
| Shapiro-Wilk W Test |        |
| W                   | Prob<W |
| 0.182331            | 0.0000 |

**PCE By LCODE**



Analysis Display

**Quantiles**

| Level | minimum | 10.0% | 25.0% | median | 75.0% | 90.0% | maximum |
|-------|---------|-------|-------|--------|-------|-------|---------|
| D     | 0.19    | 0.19  | 0.19  | 0.195  | 0.205 | 2.796 | 4.5     |
| O     | 0.185   | 0.185 | 0.19  | 0.19   | 0.195 | 0.226 | 0.23    |
| P     | 0.18    | 0.185 | 0.19  | 0.195  | 0.2   | 0.205 | 2       |

**Oneway Anova**

**Means and Std Deviations**

| Level | Number | Mean     | Std Dev | Std Err Mean |
|-------|--------|----------|---------|--------------|
| D     | 13     | 0.529615 | 1.19303 | 0.33089      |
| O     | 11     | 0.195455 | 0.01331 | 0.00401      |
| P     | 46     | 0.233370 | 0.26636 | 0.03927      |

**Means Comparisons**

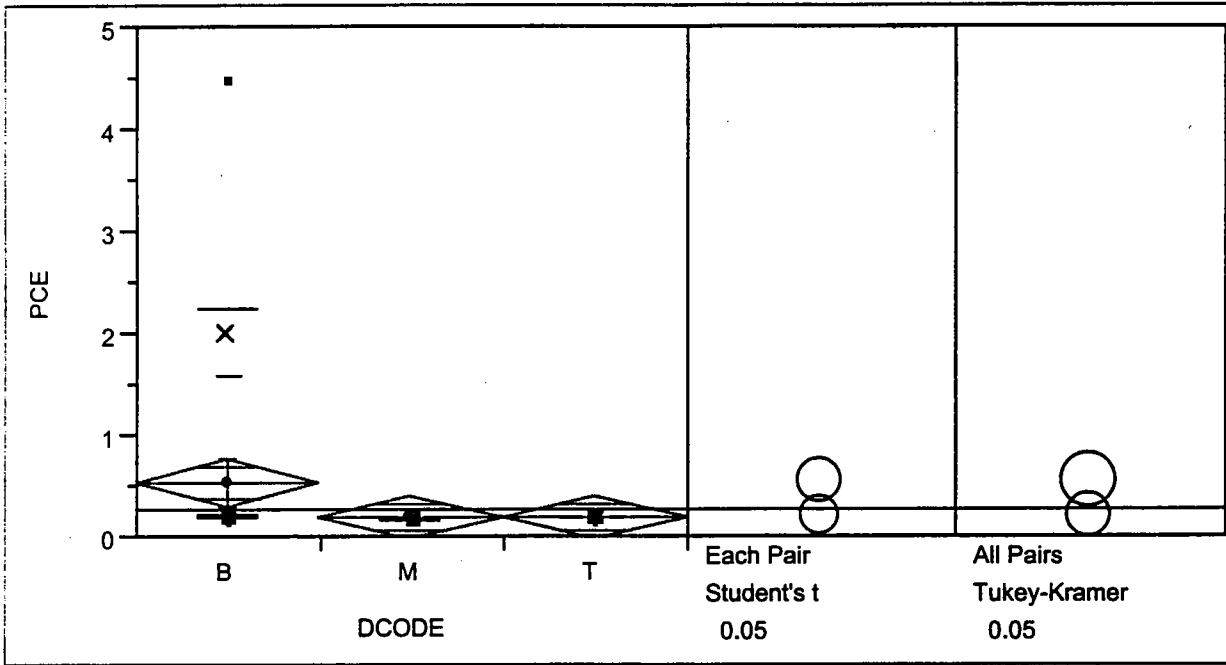
**Wilcoxon / Kruskal-Wallis Tests (Rank Sums)**

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| D     | 13    | 544.5     | 41.8846    | 1.284             |
| O     | 11    | 332       | 30.1818    | -0.965            |
| P     | 46    | 1608.5    | 34.9674    | -0.306            |

**1-way Test, Chi-Square Approximation**

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 2.1900    | 2  | 0.3345     |

**PCE By DCODE**



Analysis  Display

**Quantiles**

| Level | minimum | 10.0%  | 25.0% | median | 75.0% | 90.0%  | maximum |
|-------|---------|--------|-------|--------|-------|--------|---------|
| B     | 0.195   | 0.195  | 0.195 | 0.2    | 0.215 | 2.25   | 4.5     |
| M     | 0.18    | 0.1835 | 0.19  | 0.19   | 0.2   | 0.205  | 0.205   |
| T     | 0.185   | 0.185  | 0.19  | 0.19   | 0.195 | 0.2015 | 0.2175  |

**Oneway Anova**

**Means and Std Deviations**

| Level | Number | Mean     | Std Dev | Std Err Mean |
|-------|--------|----------|---------|--------------|
| B     | 18     | 0.542222 | 1.07443 | 0.25325      |
| M     | 26     | 0.193077 | 0.00679 | 0.00133      |
| T     | 26     | 0.191923 | 0.00698 | 0.00137      |

**Means Comparisons**

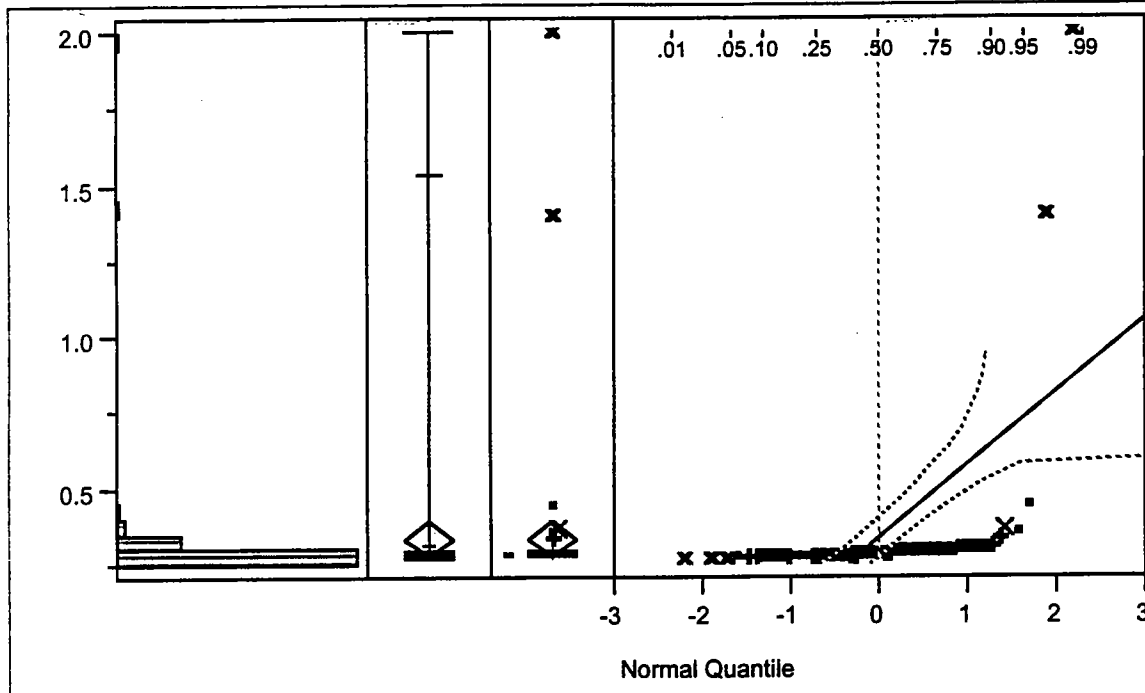
**Wilcoxon / Kruskal-Wallis Tests (Rank Sums)**

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| B     | 18    | 976.5     | 54.2500    | 4.667             |
| M     | 26    | 825.5     | 31.7500    | -1.215            |
| T     | 26    | 683       | 26.2692    | -3.000            |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 22.8444   | 2  | <.0001     |

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Quantiles

|          |        |        |
|----------|--------|--------|
| maximum  | 100.0% | 2.0000 |
|          | 99.5%  | 2.0000 |
|          | 97.5%  | 1.5350 |
|          | 90.0%  | 0.3145 |
| quartile | 75.0%  | 0.3000 |
| median   | 50.0%  | 0.2900 |
| quartile | 25.0%  | 0.2850 |
|          | 10.0%  | 0.2800 |
|          | 2.5%   | 0.2700 |
|          | 0.5%   | 0.2700 |
| minimum  | 0.0%   | 0.2700 |

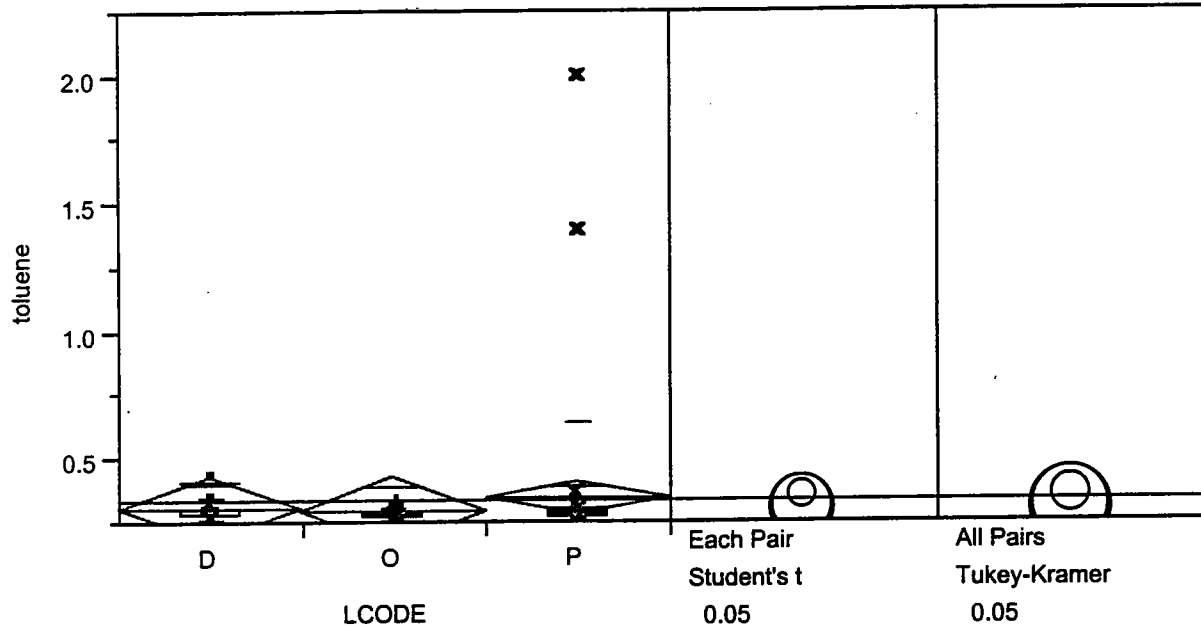
Moments

|                |          |
|----------------|----------|
| Mean           | 0.33561  |
| Std Dev        | 0.24235  |
| Std Error Mean | 0.02897  |
| Upper 95% Mean | 0.39339  |
| Lower 95% Mean | 0.27782  |
| N              | 70.00000 |
| Sum Weights    | 70.00000 |
| Sum            | 23.49250 |
| Variance       | 0.05874  |
| Skewness       | 6.09067  |
| Kurtosis       | 37.91775 |
| CV             | 72.21334 |

Test for Normality

|                     |        |
|---------------------|--------|
| Shapiro-Wilk W Test |        |
| W                   | Prob<W |
| 0.233746            | 0.0000 |

toluene By LCODE



Analysis  Display

Quantiles

| Level | minimum | 10.0% | 25.0% | median | 75.0% | 90.0% | maximum |
|-------|---------|-------|-------|--------|-------|-------|---------|
| D     | 0.28    | 0.282 | 0.285 | 0.29   | 0.305 | 0.411 | 0.445   |
| O     | 0.28    | 0.28  | 0.28  | 0.285  | 0.29  | 0.339 | 0.345   |
| P     | 0.27    | 0.28  | 0.285 | 0.2925 | 0.3   | 0.31  | 2       |

Oneway Anova

Means and Std Deviations

| Level | Number | Mean     | Std Dev  | Std Err Mean |
|-------|--------|----------|----------|--------------|
| D     | 13     | 0.308077 | 0.045986 | 0.01275      |
| O     | 11     | 0.292727 | 0.019920 | 0.00601      |
| P     | 46     | 0.353641 | 0.297334 | 0.04384      |

Means Comparisons

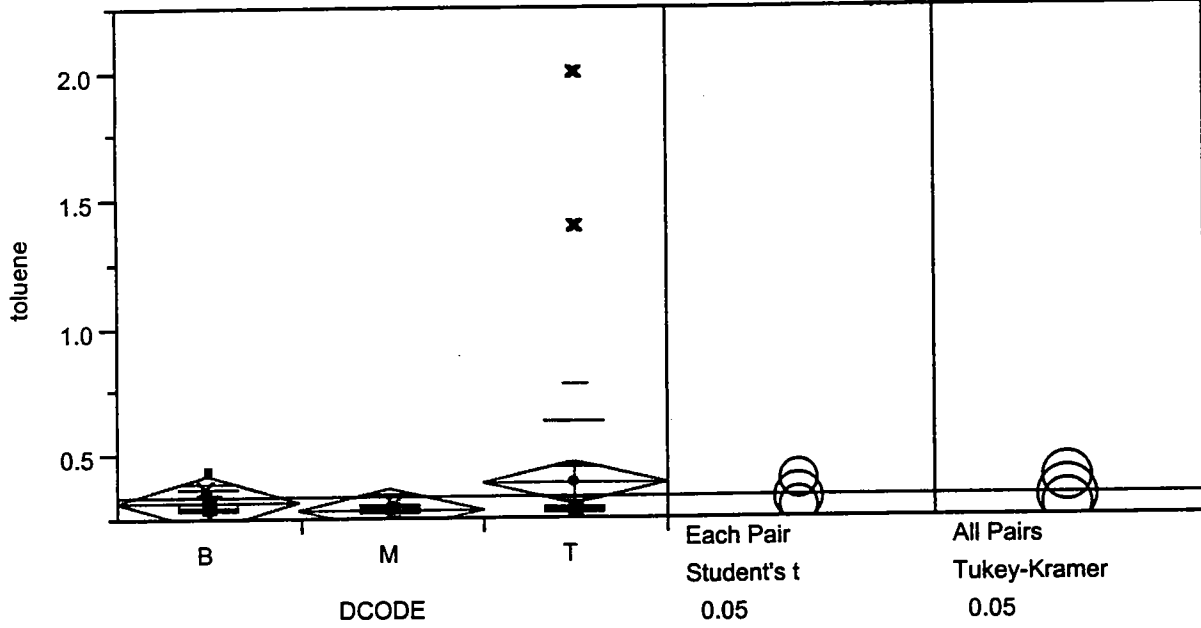
Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| D     | 13    | 501.5     | 38.5769    | 0.604             |
| O     | 11    | 301.5     | 27.4091    | -1.445            |
| P     | 46    | 1682      | 36.5652    | 0.607             |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 2.2141    | 2  | 0.3305     |

toluene By DCODE



Analysis Display

Quantiles

| Level | minimum | 10.0%  | 25.0%   | median | 75.0%  | 90.0%  | maximum |
|-------|---------|--------|---------|--------|--------|--------|---------|
| B     | 0.29    | 0.29   | 0.295   | 0.3    | 0.3225 | 0.3685 | 0.445   |
| M     | 0.27    | 0.2735 | 0.285   | 0.2875 | 0.295  | 0.305  | 0.31    |
| T     | 0.28    | 0.28   | 0.28375 | 0.285  | 0.295  | 0.6335 | 2       |

Oneway Anova

Means and Std Deviations

| Level | Number | Mean     | Std Dev  | Std Err Mean |
|-------|--------|----------|----------|--------------|
| B     | 18     | 0.316250 | 0.039054 | 0.00921      |
| M     | 26     | 0.288846 | 0.010031 | 0.00197      |
| T     | 26     | 0.395769 | 0.393272 | 0.07713      |

Means Comparisons

Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

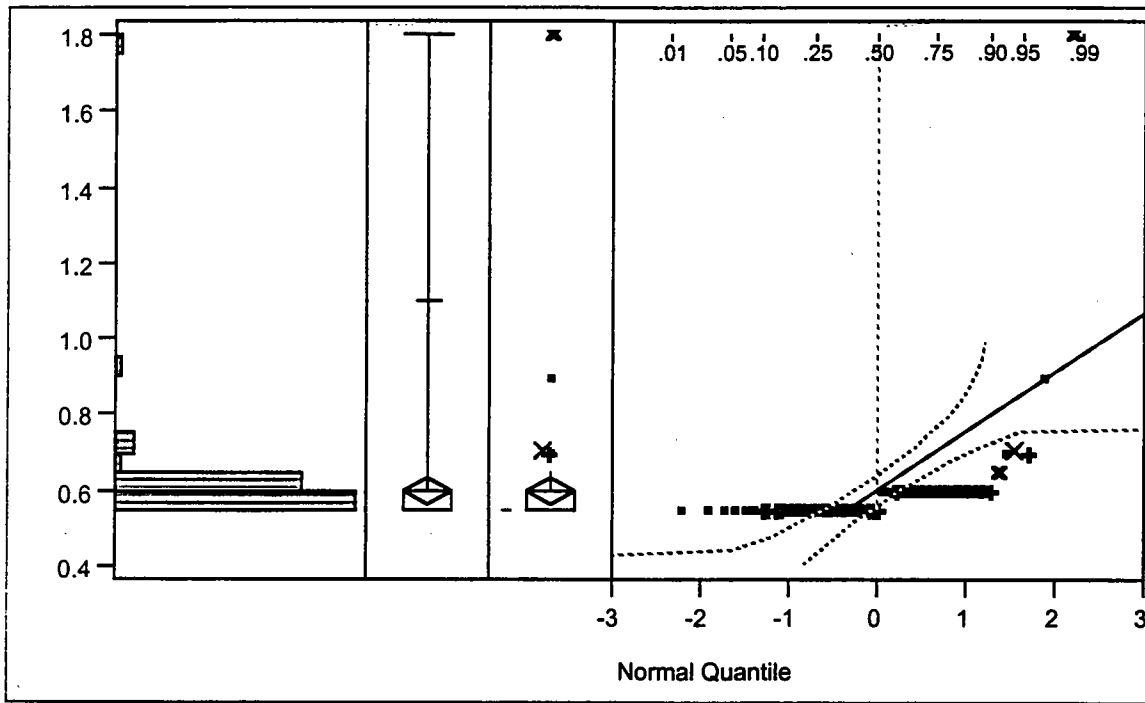
| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| B     | 18    | 961.5     | 53.4167    | 4.379             |
| M     | 26    | 781       | 30.0385    | -1.741            |
| T     | 26    | 742.5     | 28.5577    | -2.214            |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 19.3049   | 2  | <.0001     |



xylenes



**Quantiles**

|          |        |        |
|----------|--------|--------|
| maximum  | 100.0% | 1.8000 |
|          | 99.5%  | 1.8000 |
|          | 97.5%  | 1.1025 |
|          | 90.0%  | 0.6000 |
| quartile | 75.0%  | 0.6000 |
| median   | 50.0%  | 0.5500 |
| quartile | 25.0%  | 0.5500 |
|          | 10.0%  | 0.5500 |
|          | 2.5%   | 0.5500 |
|          | 0.5%   | 0.5500 |
| minimum  | 0.0%   | 0.5500 |

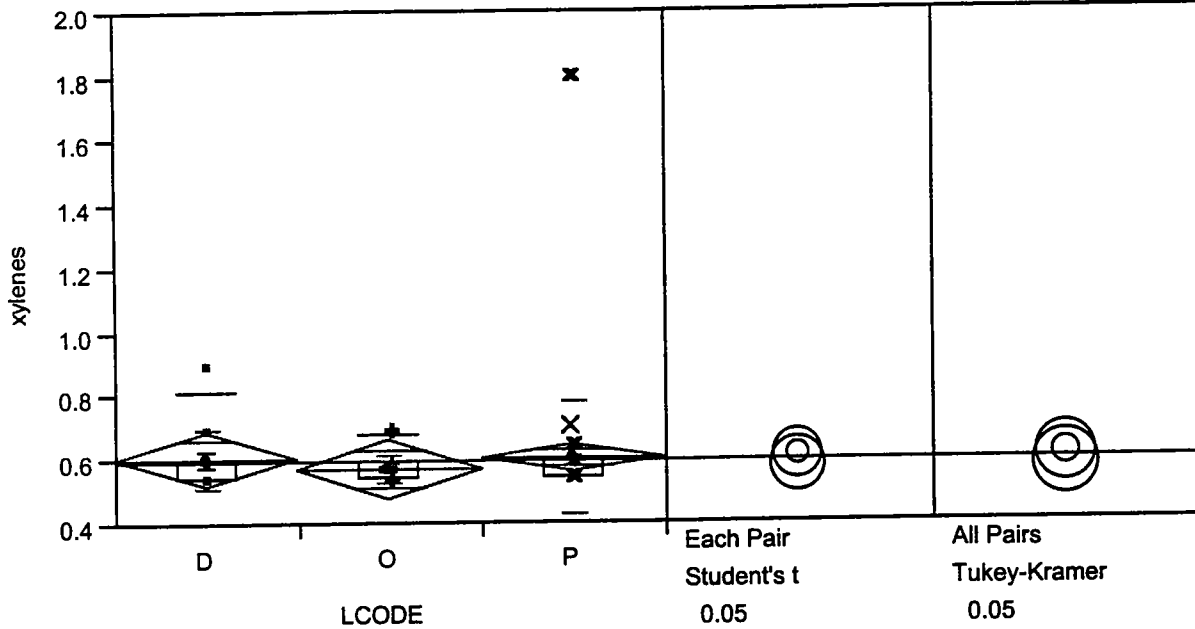
**Moments**

|                |          |
|----------------|----------|
| Mean           | 0.60071  |
| Std Dev        | 0.15475  |
| Std Error Mean | 0.01850  |
| Upper 95% Mean | 0.63761  |
| Lower 95% Mean | 0.56381  |
| N              | 70.00000 |
| Sum Weights    | 70.00000 |
| Sum            | 42.05000 |
| Variance       | 0.02395  |
| Skewness       | 7.04489  |
| Kurtosis       | 54.12369 |
| CV             | 25.76164 |

**Test for Normality**

|                     |        |
|---------------------|--------|
| Shapiro-Wilk W Test |        |
| W                   | Prob<W |
| 0.308612            | 0.0000 |

xylenes By LCODE



Analysis  Display

Quantiles

| Level | minimum | 10.0% | 25.0% | median | 75.0% | 90.0% | maximum |
|-------|---------|-------|-------|--------|-------|-------|---------|
| D     | 0.55    | 0.55  | 0.55  | 0.6    | 0.6   | 0.82  | 0.9     |
| O     | 0.55    | 0.55  | 0.55  | 0.55   | 0.6   | 0.68  | 0.7     |
| P     | 0.55    | 0.55  | 0.55  | 0.6    | 0.6   | 0.6   | 1.8     |

Oneway Anova

Means and Std Deviations

| Level | Number | Mean     | Std Dev  | Std Err Mean |
|-------|--------|----------|----------|--------------|
| D     | 13     | 0.607692 | 0.097567 | 0.02706      |
| O     | 11     | 0.572727 | 0.046710 | 0.01408      |
| P     | 46     | 0.605435 | 0.182948 | 0.02697      |

Means Comparisons

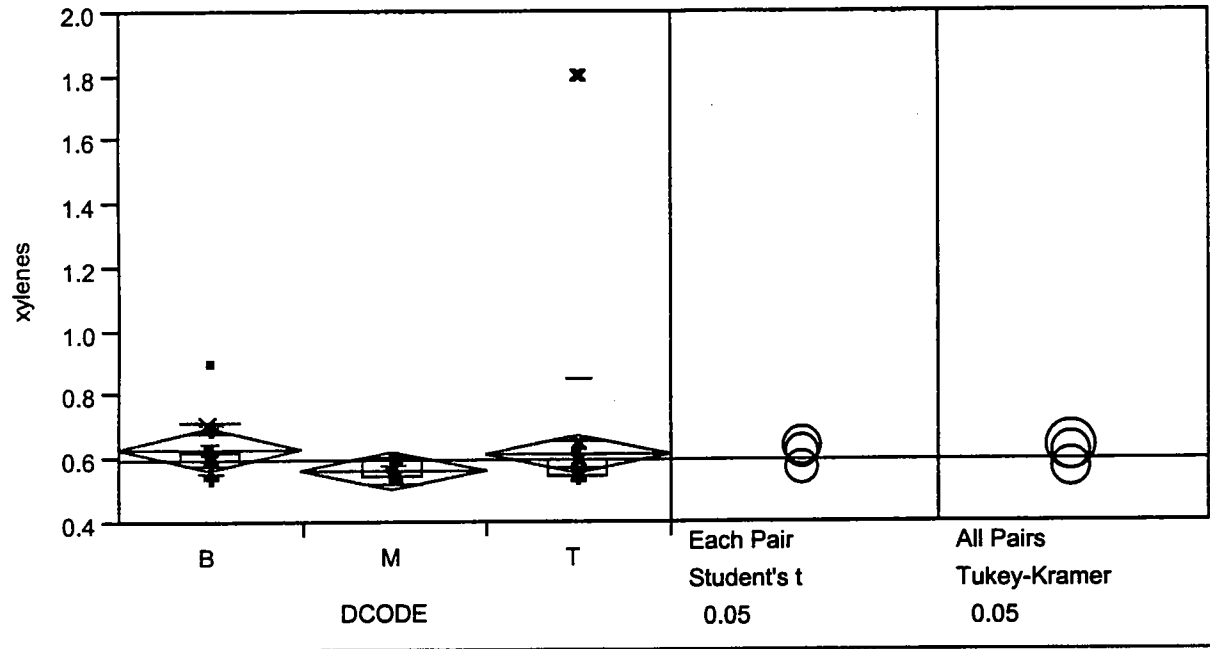
Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| D     | 13    | 499.5     | 38.4231    | 0.633             |
| O     | 11    | 316       | 28.7273    | -1.335            |
| P     | 46    | 1669.5    | 36.2935    | 0.498             |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 1.9454    | 2  | 0.3781     |

**xylenes By DCODE**



Analysis  Display

**Quantiles**

| Level | minimum | 10.0% | 25.0% | median | 75.0% | 90.0% | maximum |
|-------|---------|-------|-------|--------|-------|-------|---------|
| B     | 0.55    | 0.595 | 0.6   | 0.6    | 0.625 | 0.72  | 0.9     |
| M     | 0.55    | 0.55  | 0.55  | 0.55   | 0.6   | 0.6   | 0.6     |
| T     | 0.55    | 0.55  | 0.55  | 0.55   | 0.6   | 0.615 | 1.8     |

**Oneway Anova**

**Means and Std Deviations**

| Level | Number | Mean     | Std Dev  | Std Err Mean |
|-------|--------|----------|----------|--------------|
| B     | 18     | 0.630556 | 0.078850 | 0.01859      |
| M     | 26     | 0.567308 | 0.024258 | 0.00476      |
| T     | 26     | 0.613462 | 0.243540 | 0.04776      |

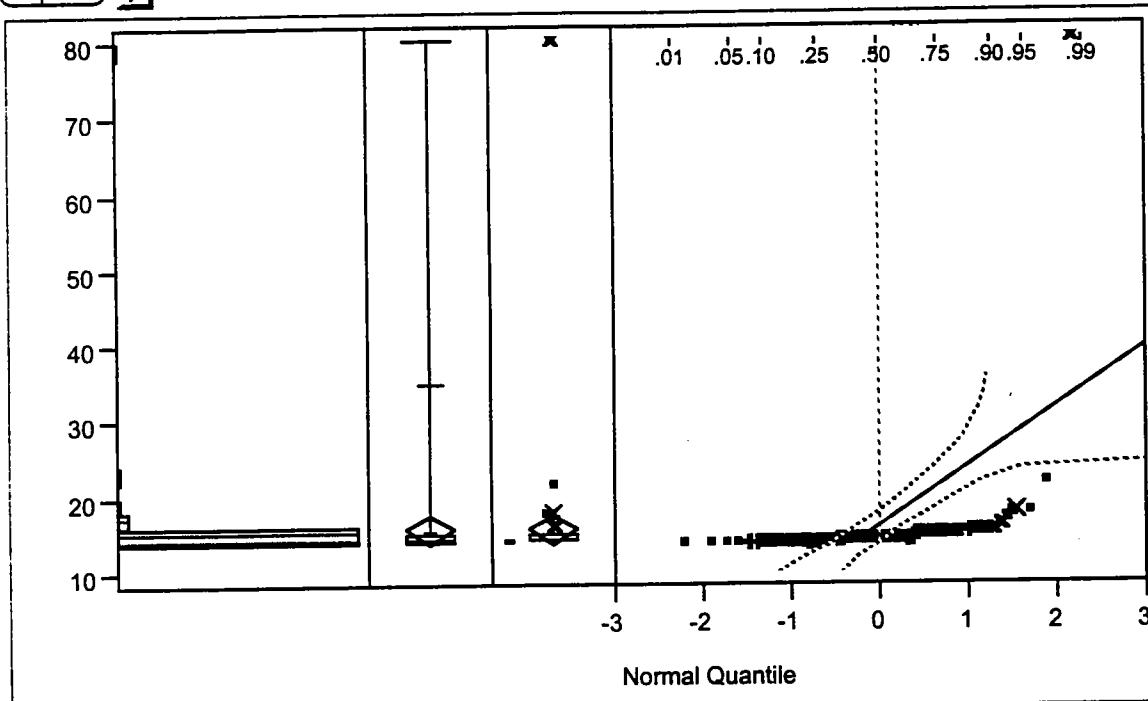
**Means Comparisons**

**Wilcoxon / Kruskal-Wallis Tests (Rank Sums)**

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| B     | 18    | 945       | 52.5000    | 4.590             |
| M     | 26    | 769       | 29.5769    | -2.086            |
| T     | 26    | 771       | 29.6538    | -2.059            |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 21.1337   | 2  | <.0001     |



**Quantiles**

|          |        |        |
|----------|--------|--------|
| maximum  | 100.0% | 80.000 |
|          | 99.5%  | 80.000 |
|          | 97.5%  | 35.050 |
|          | 90.0%  | 15.500 |
| quartile | 75.0%  | 15.000 |
| median   | 50.0%  | 14.500 |
| quartile | 25.0%  | 14.250 |
|          | 10.0%  | 14.000 |
|          | 2.5%   | 14.000 |
|          | 0.5%   | 14.000 |
| minimum  | 0.0%   | 14.000 |

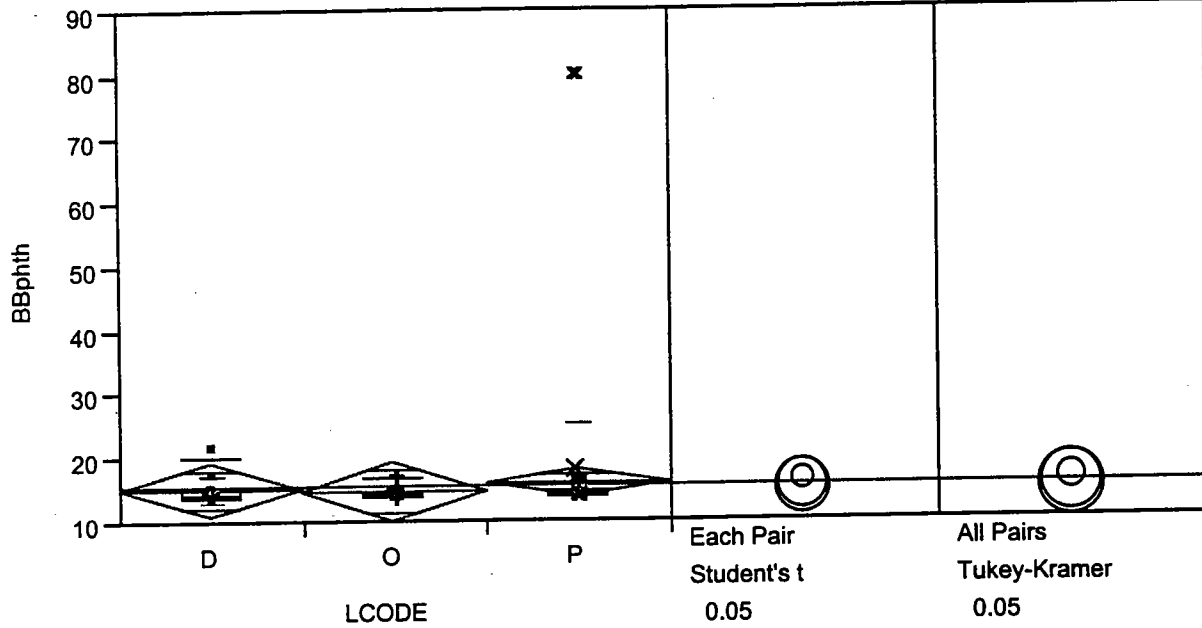
**Moments**

|                |          |
|----------------|----------|
| Mean           | 15.76429 |
| Std Dev        | 7.87894  |
| Std Error Mean | 0.94171  |
| Upper 95% Mean | 17.64296 |
| Lower 95% Mean | 13.88562 |
| N              | 70.00000 |
| Sum Weights    | 70.00000 |
| Sum            | 1103.5   |
| Variance       | 62.07769 |
| Skewness       | 8.08811  |
| Kurtosis       | 66.72117 |
| CV             | 49.97968 |

**Test for Normality**

|                     |        |
|---------------------|--------|
| Shapiro-Wilk W Test |        |
| W                   | Prob<W |
| 0.197962            | 0.0000 |

**BBpht By LCODE**



Analysis  Display

**Quantiles**

| Level | minimum | 10.0% | 25.0% | median | 75.0% | 90.0% | maximum |
|-------|---------|-------|-------|--------|-------|-------|---------|
| D     | 14      | 14    | 14    | 14.5   | 15.5  | 20.4  | 22      |
| O     | 14      | 14    | 14    | 14.5   | 14.5  | 17.1  | 17.5    |
| P     | 14      | 14    | 14.5  | 14.5   | 15    | 15.5  | 80      |

**Oneway Anova**

**Means and Std Deviations**

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| D     | 13     | 15.3846 | 2.26526 | 0.6283       |
| O     | 11     | 14.6818 | 1.03133 | 0.3110       |
| P     | 46     | 16.1304 | 9.64966 | 1.4228       |

**Means Comparisons**

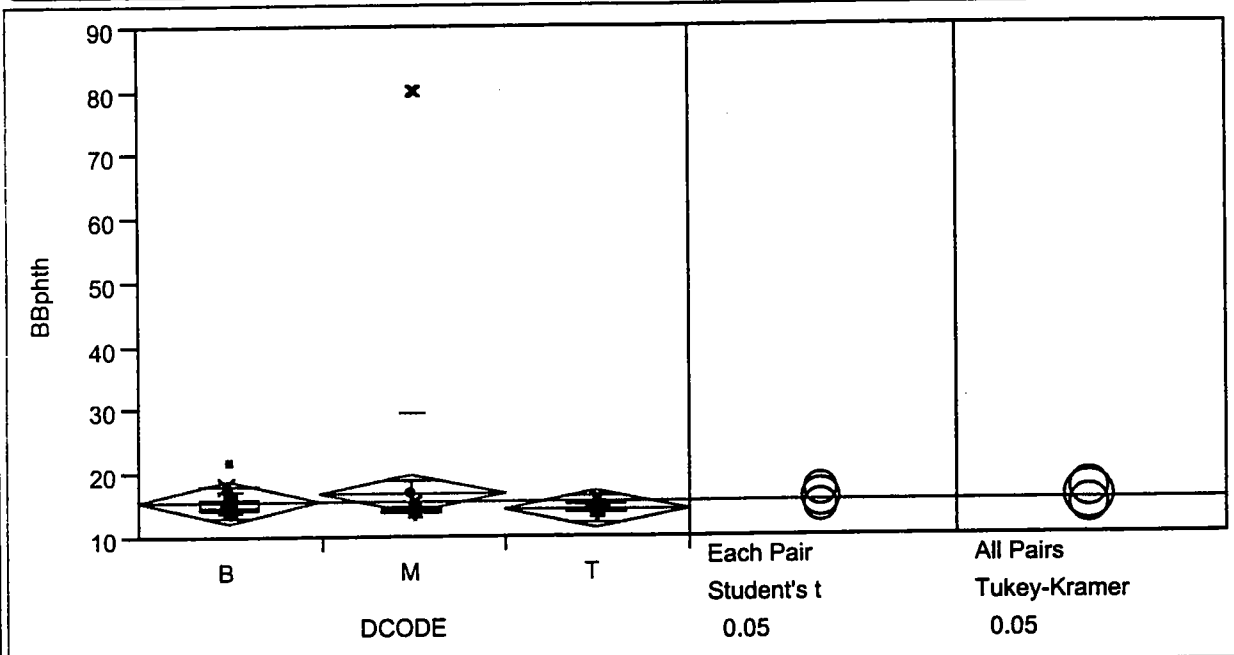
**Wilcoxon / Kruskal-Wallis Tests (Rank Sums)**

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| D     | 13    | 475       | 36.5385    | 0.205             |
| O     | 11    | 323.5     | 29.4091    | -1.119            |
| P     | 46    | 1686.5    | 36.6630    | 0.684             |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 1.2720    | 2  | 0.5294     |

**BBppth By DCODE**



Analysis  Display

**Quantiles**

| Level | minimum | 10.0% | 25.0% | median | 75.0% | 90.0% | maximum |
|-------|---------|-------|-------|--------|-------|-------|---------|
| B     | 14.5    | 14.5  | 14.5  | 15     | 16    | 18.4  | 22      |
| M     | 14      | 14    | 14    | 14.5   | 15    | 15.5  | 80      |
| T     | 14      | 14    | 14    | 14.5   | 14.5  | 15.15 | 16.25   |

**Oneway Anova**

**Means and Std Deviations**

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| B     | 18     | 15.7639 | 1.9336  | 0.4558       |
| M     | 26     | 17.0769 | 12.8427 | 2.5187       |
| T     | 26     | 14.4519 | 0.5245  | 0.1029       |

**Means Comparisons**

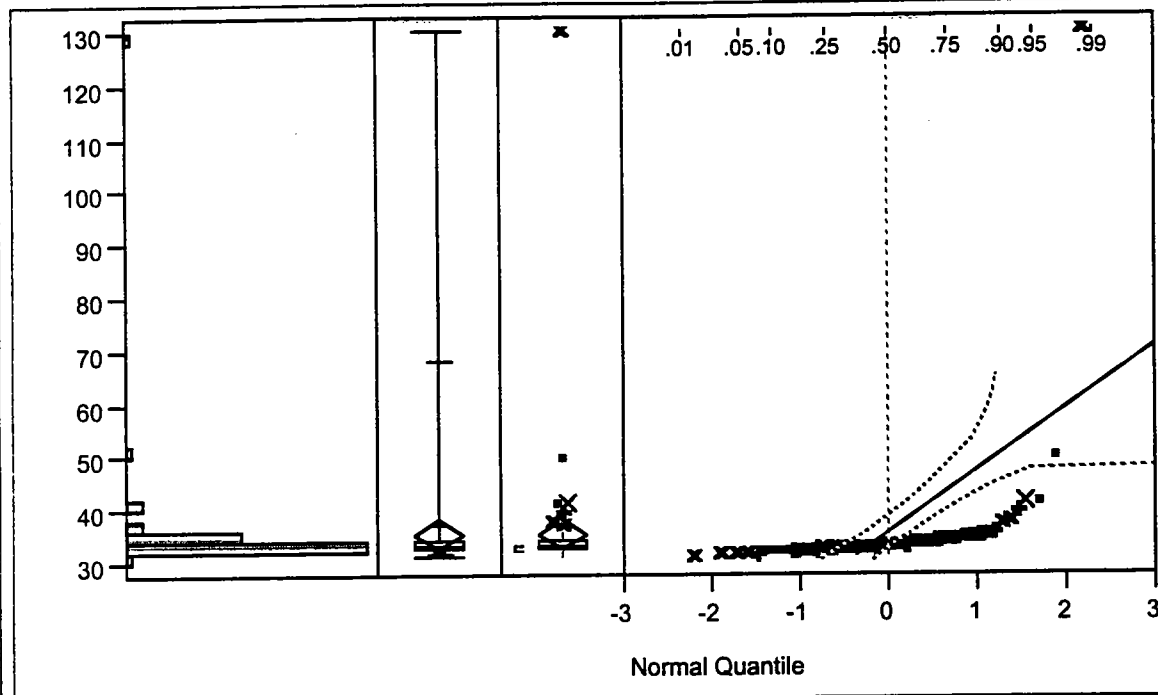
**Wilcoxon / Kruskal-Wallis Tests (Rank Sums)**

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| B     | 18    | 908       | 50.4444    | 3.763             |
| M     | 26    | 878       | 33.7692    | -0.564            |
| T     | 26    | 699       | 26.8846    | -2.833            |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 15.8312   | 2  | 0.0004     |

2nbpht



**Quantiles**

|          |        |        |
|----------|--------|--------|
| maximum  | 100.0% | 130.00 |
|          | 99.5%  | 130.00 |
|          | 97.5%  | 68.00  |
|          | 90.0%  | 37.35  |
| quartile | 75.0%  | 34.50  |
| median   | 50.0%  | 33.50  |
| quartile | 25.0%  | 33.00  |
|          | 10.0%  | 32.50  |
|          | 2.5%   | 31.89  |
|          | 0.5%   | 31.50  |
| minimum  | 0.0%   | 31.50  |

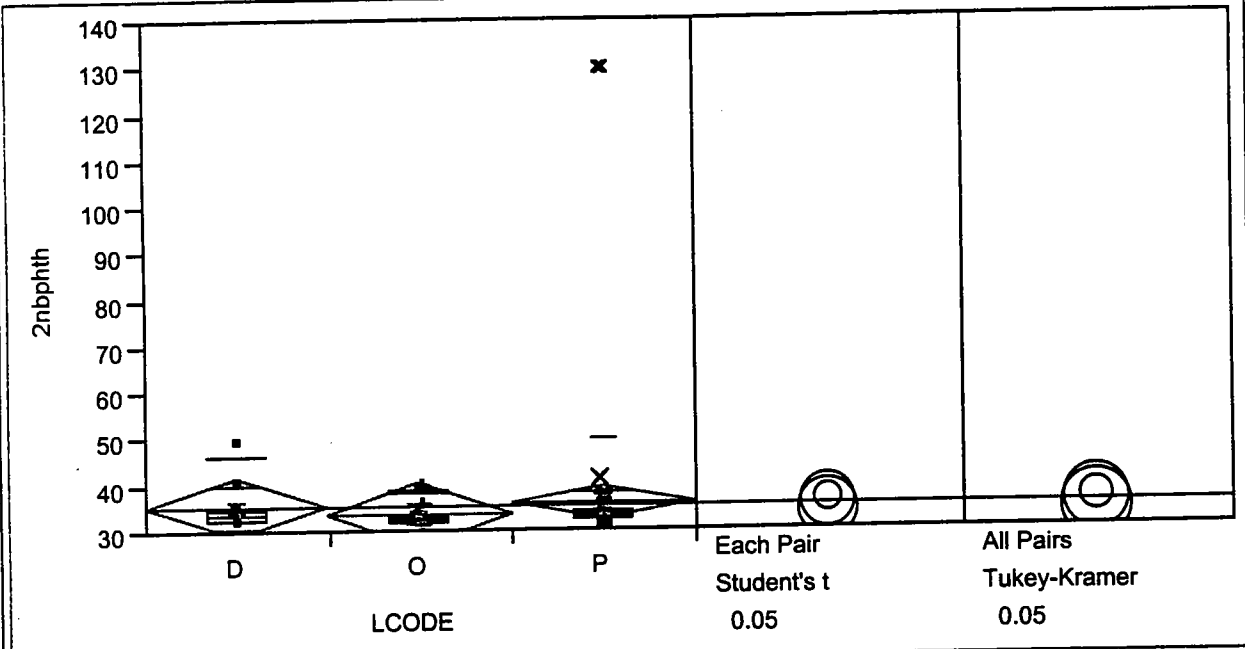
**Moments**

|                |           |
|----------------|-----------|
| Mean           | 35.49286  |
| Std Dev        | 11.77268  |
| Std Error Mean | 1.40710   |
| Upper 95% Mean | 38.29996  |
| Lower 95% Mean | 32.68576  |
| N              | 70.00000  |
| Sum Weights    | 70.00000  |
| Sum            | 2484.5    |
| Variance       | 138.59596 |
| Skewness       | 7.74244   |
| Kurtosis       | 62.56274  |
| CV             | 33.16915  |

**Test for Normality**

|                     |        |
|---------------------|--------|
| Shapiro-Wilk W Test |        |
| W                   | Prob<W |
| 0.246902            | 0.0000 |

2nbpht By LCODE



Analysis Display

Quantiles

| Level | minimum | 10.0% | 25.0% | median | 75.0% | 90.0% | maximum |
|-------|---------|-------|-------|--------|-------|-------|---------|
| D     | 32.5    | 32.5  | 32.5  | 33.5   | 35    | 46.6  | 50      |
| O     | 32      | 32.1  | 32.5  | 33     | 33.5  | 39.2  | 40      |
| P     | 31.5    | 32.35 | 33    | 33.5   | 34.5  | 36.1  | 130     |

Oneway Anova

Means and Std Deviations

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| D     | 13     | 35.2692 | 5.0399  | 1.3978       |
| O     | 11     | 33.7727 | 2.3169  | 0.6986       |
| P     | 46     | 35.9674 | 14.2681 | 2.1037       |

Means Comparisons

Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

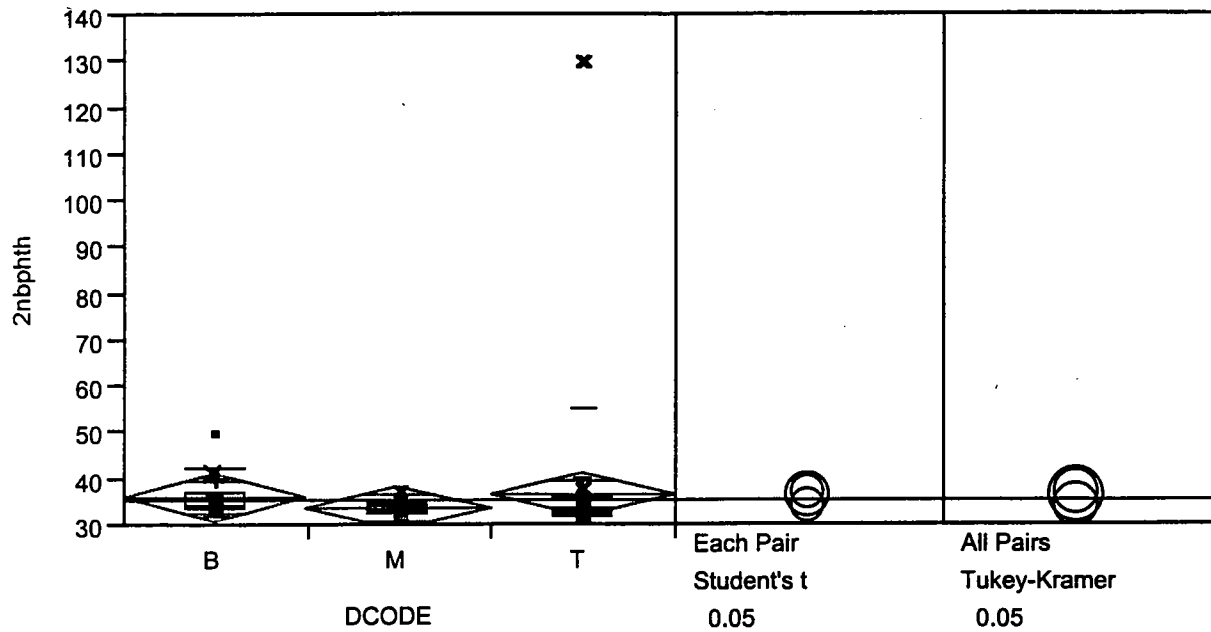
| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| D     | 13    | 465.5     | 35.8077    | 0.053             |
| O     | 11    | 312.5     | 28.4091    | -1.263            |
| P     | 46    | 1707      | 37.1087    | 0.919             |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 1.6591    | 2  | 0.4363     |



2nbpht By DCODE



Analysis Display

Quantiles

| Level | minimum | 10.0% | 25.0% | median | 75.0%  | 90.0%  | maximum |
|-------|---------|-------|-------|--------|--------|--------|---------|
| B     | 33.5    | 33.5  | 34    | 34.5   | 37     | 42.35  | 50      |
| M     | 31.5    | 32.5  | 32.5  | 33     | 34.125 | 35.15  | 37.5    |
| T     | 32      | 32    | 32.5  | 33     | 33.5   | 35.825 | 130     |

Oneway Anova

Means and Std Deviations

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| B     | 18     | 36.3056 | 4.2776  | 1.0082       |
| M     | 26     | 33.5192 | 1.2448  | 0.2441       |
| T     | 26     | 36.9038 | 19.0246 | 3.7310       |

Means Comparisons

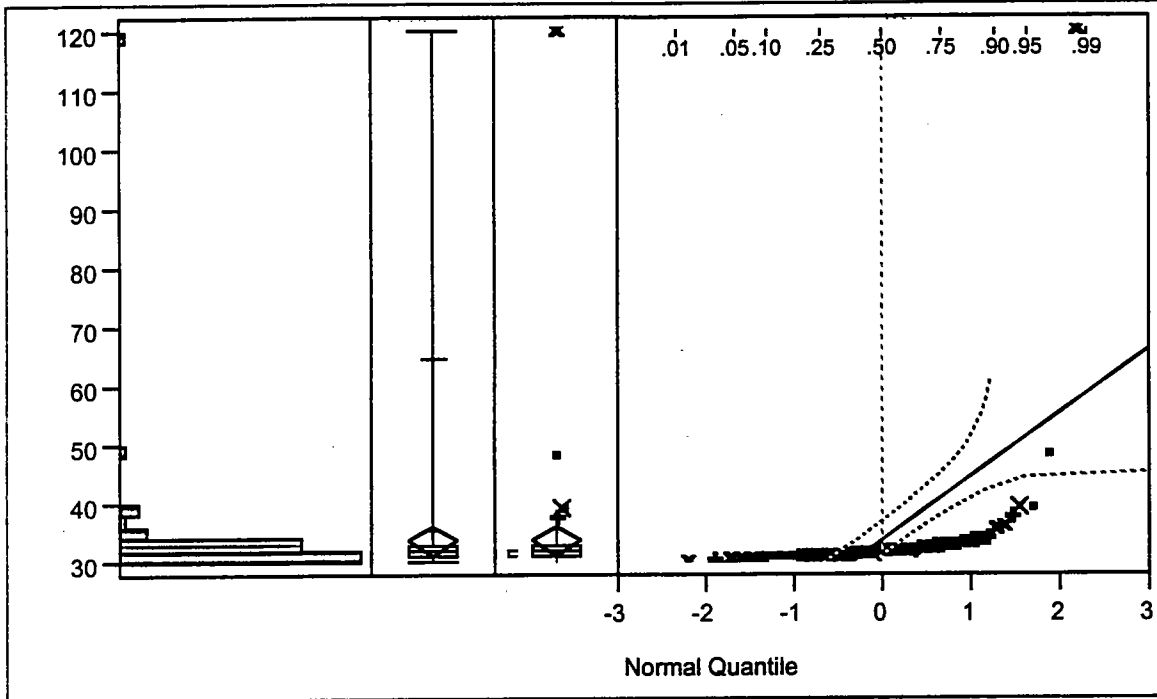
Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| B     | 18    | 961.5     | 53.4167    | 4.371             |
| M     | 26    | 826       | 31.7692    | -1.185            |
| T     | 26    | 697.5     | 26.8269    | -2.763            |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 19.9468   | 2  | <.0001     |

phenol



Quantiles

|          |        |        |
|----------|--------|--------|
| maximum  | 100.0% | 120.00 |
|          | 99.5%  | 120.00 |
|          | 97.5%  | 64.59  |
|          | 90.0%  | 35.63  |
| quartile | 75.0%  | 33.00  |
| median   | 50.0%  | 32.00  |
| quartile | 25.0%  | 31.00  |
|          | 10.0%  | 31.00  |
|          | 2.5%   | 30.39  |
|          | 0.5%   | 30.00  |
| minimum  | 0.0%   | 30.00  |

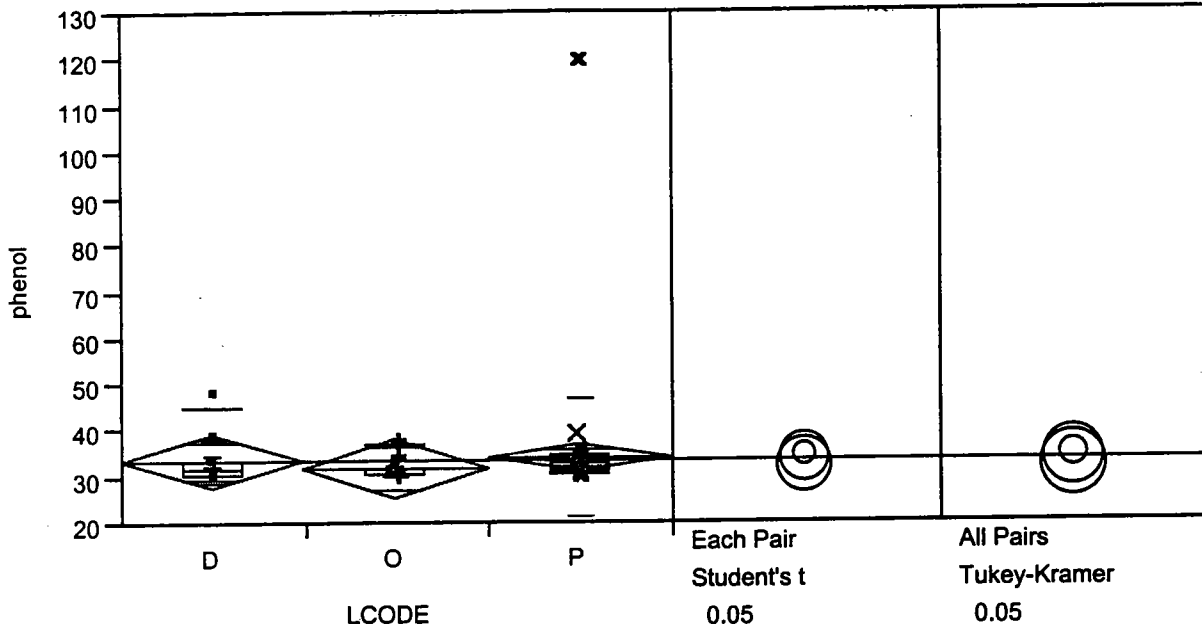
Moments

|                |           |
|----------------|-----------|
| Mean           | 33.72500  |
| Std Dev        | 10.79596  |
| Std Error Mean | 1.29036   |
| Upper 95% Mean | 36.29921  |
| Lower 95% Mean | 31.15079  |
| N              | 70.00000  |
| Sum Weights    | 70.00000  |
| Sum            | 2360.75   |
| Variance       | 116.55281 |
| Skewness       | 7.64852   |
| Kurtosis       | 61.40442  |
| CV             | 32.01175  |

Test for Normality

|                     |        |
|---------------------|--------|
| Shapiro-Wilk W Test |        |
| W                   | Prob<W |
| 0.256533            | 0.0000 |

phenol By LCODE



Analysis  Display

Quantiles

| Level | minimum | 10.0% | 25.0% | median | 75.0% | 90.0%  | maximum |
|-------|---------|-------|-------|--------|-------|--------|---------|
| D     | 31      | 31    | 31    | 32     | 33.5  | 44.9   | 48.5    |
| O     | 30.5    | 30.5  | 31    | 31     | 32    | 37.3   | 38      |
| P     | 30      | 30.85 | 31.25 | 32     | 33    | 34.525 | 120     |

Oneway Anova

Means and Std Deviations

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| D     | 13     | 33.6923 | 5.0106  | 1.3897       |
| O     | 11     | 32.0455 | 2.2633  | 0.6824       |
| P     | 46     | 34.1359 | 13.0391 | 1.9225       |

Means Comparisons

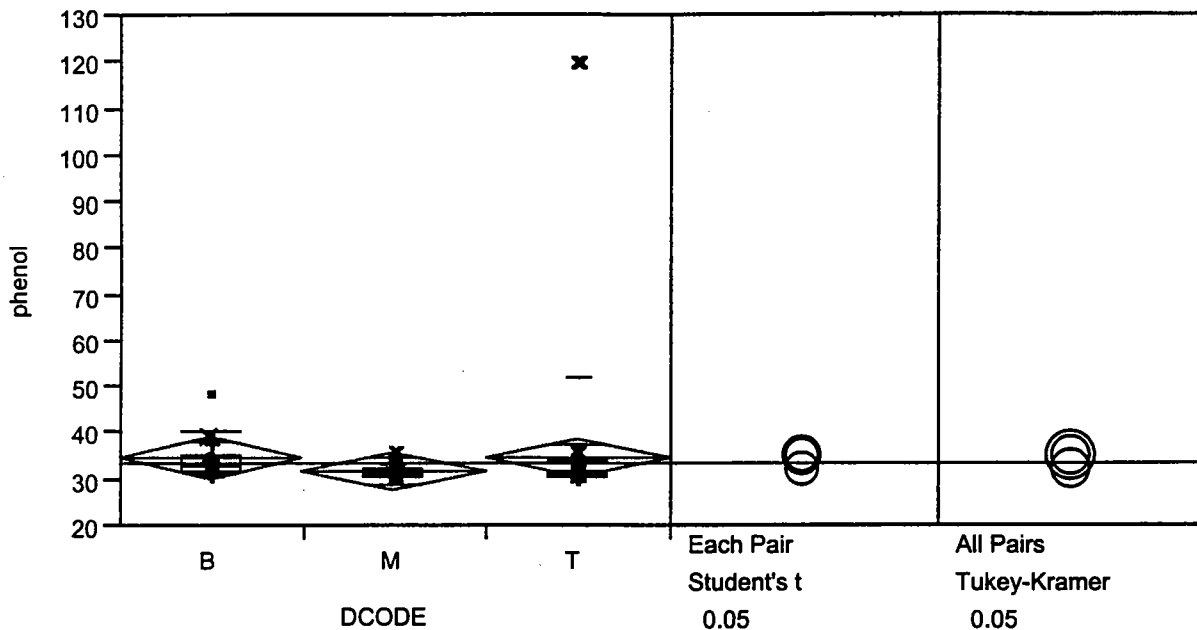
Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| D     | 13    | 483.5     | 37.1923    | 0.328             |
| O     | 11    | 291.5     | 26.5000    | -1.606            |
| P     | 46    | 1710      | 37.1739    | 0.956             |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 2.6045    | 2  | 0.2719     |

phenol By DCODE



Analysis  Display

Quantiles

| Level | minimum | 10.0% | 25.0% | median | 75.0%  | 90.0%  | maximum |
|-------|---------|-------|-------|--------|--------|--------|---------|
| B     | 31.5    | 31.95 | 32    | 33     | 35.375 | 40.4   | 48.5    |
| M     | 30      | 31    | 31    | 31.5   | 32.5   | 33.65  | 36      |
| T     | 30.5    | 30.5  | 31    | 31.125 | 32     | 34.175 | 120     |

Oneway Anova

Means and Std Deviations

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| B     | 18     | 34.5556 | 4.2837  | 1.0097       |
| M     | 26     | 31.9615 | 1.2484  | 0.2448       |
| T     | 26     | 34.9135 | 17.3911 | 3.4107       |

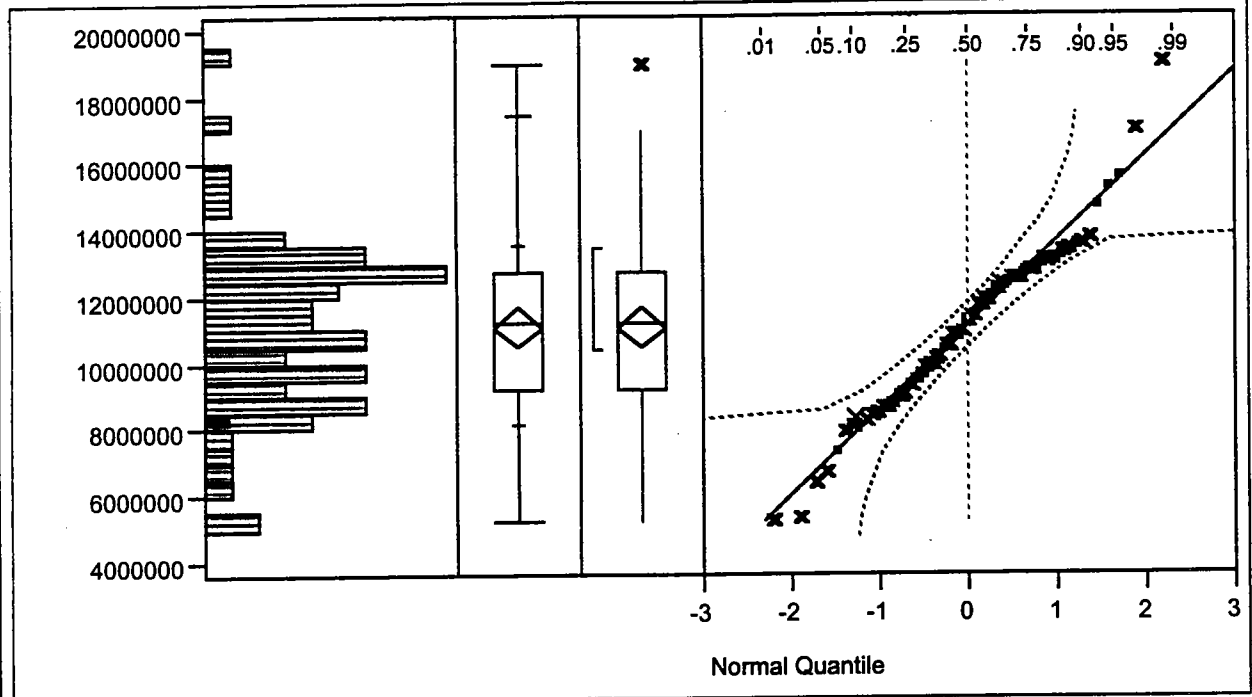
Means Comparisons

Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| B     | 18    | 938       | 52.1111    | 4.052             |
| M     | 26    | 870       | 33.4615    | -0.645            |
| T     | 26    | 677       | 26.0385    | -3.014            |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 18.2375   | 2  | 0.0001     |



**Quantiles**

|          |        |         |
|----------|--------|---------|
| maximum  | 100.0% | 1.9e+7  |
|          | 99.5%  | 1.9e+7  |
|          | 97.5%  | 1.745e7 |
|          | 90.0%  | 1.359e7 |
| quartile | 75.0%  | 1.28e+7 |
| median   | 50.0%  | 1.12e+7 |
| quartile | 25.0%  | 9240000 |
|          | 10.0%  | 8133000 |
|          | 2.5%   | 5291000 |
|          | 0.5%   | 5260000 |
| minimum  | 0.0%   | 5260000 |

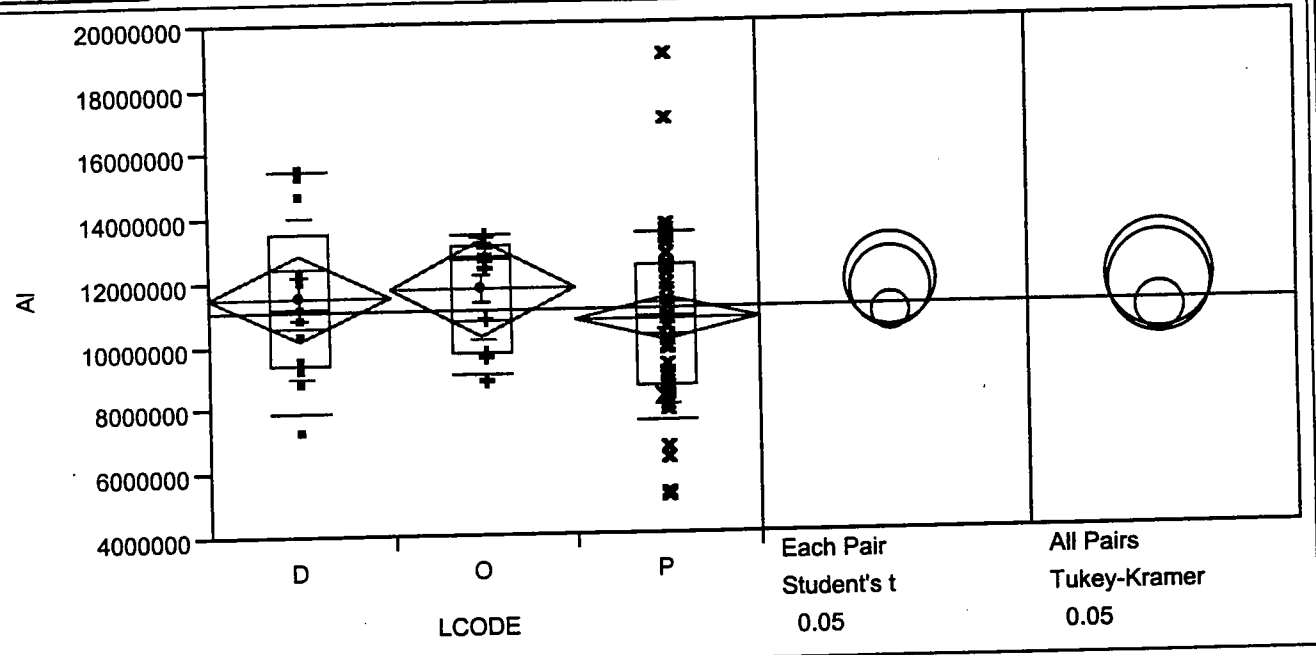
**Moments**

|                |           |
|----------------|-----------|
| Mean           | 11074286  |
| Std Dev        | 2546465   |
| Std Error Mean | 304361    |
| Upper 95% Mean | 11681470  |
| Lower 95% Mean | 10467101  |
| N              | 70        |
| Sum Weights    | 70        |
| Sum            | 775200000 |
| Variance       | 6.4845e12 |
| Skewness       | 0         |
| Kurtosis       | 1         |
| CV             | 23        |

**Test for Normality**

|                     |          |        |
|---------------------|----------|--------|
| Shapiro-Wilk W Test |          |        |
|                     | W        | Prob<W |
|                     | 0.980446 | 0.6517 |

**AI By LCODE**



Analysis Display

**Quantiles**

| Level | minimum | 10.0%   | 25.0%   | median   | 75.0%    | 90.0%    | maximum  |
|-------|---------|---------|---------|----------|----------|----------|----------|
| D     | 7340000 | 7932000 | 9435000 | 11200000 | 13550000 | 15480000 | 15600000 |
| O     | 8920000 | 9066000 | 9740000 | 12700000 | 13100000 | 13440000 | 13500000 |
| P     | 5260000 | 7585000 | 8640000 | 10850000 | 12500000 | 13460000 | 19000000 |

**Oneway Anova**

**Means and Std Deviations**

| Level | Number | Mean     | Std Dev | Std Err Mean |
|-------|--------|----------|---------|--------------|
| D     | 13     | 11517692 | 2545402 | 705967       |
| O     | 11     | 11810000 | 1673900 | 504700       |
| P     | 46     | 10773043 | 2703812 | 398655       |

**Means Comparisons**

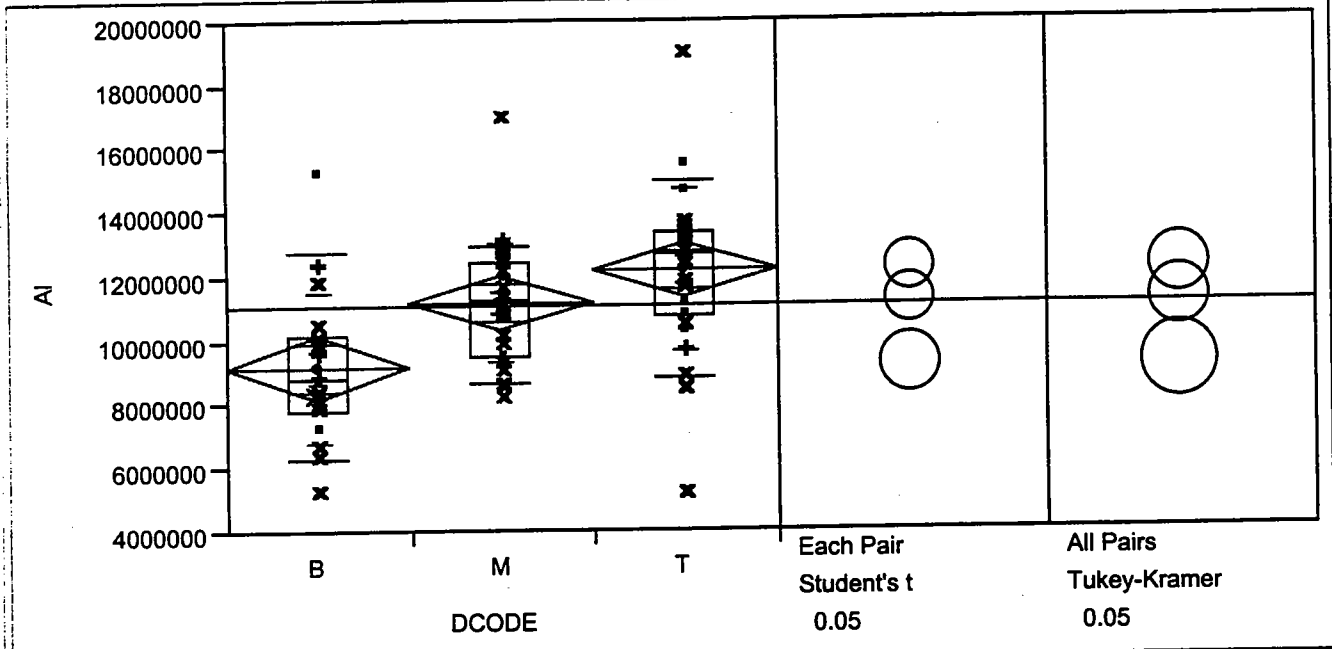
**Wilcoxon / Kruskal-Wallis Tests (Rank Sums)**

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| D     | 13    | 489       | 37.6154    | 0.408             |
| O     | 11    | 483.5     | 43.9545    | 1.493             |
| P     | 46    | 1512.5    | 32.8804    | -1.485            |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 2.8024    | 2  | 0.2463     |

AI By DCODE



Analysis Display

Quantiles

| Level | minimum | 10.0%   | 25.0%    | median   | 75.0%    | 90.0%    | maximum  |
|-------|---------|---------|----------|----------|----------|----------|----------|
| B     | 5300000 | 6290000 | 7805000  | 8870000  | 10200000 | 12780000 | 15300000 |
| M     | 8270000 | 8638000 | 9507500  | 11300000 | 12425000 | 12990000 | 17000000 |
| T     | 5260000 | 8807000 | 10800000 | 12750000 | 13425000 | 14970000 | 19000000 |

Oneway Anova

Means and Std Deviations

| Level | Number | Mean     | Std Dev | Std Err Mean |
|-------|--------|----------|---------|--------------|
| B     | 18     | 9221111  | 2378096 | 560523       |
| M     | 26     | 11189231 | 1897166 | 372065       |
| T     | 26     | 12242308 | 2558722 | 501807       |

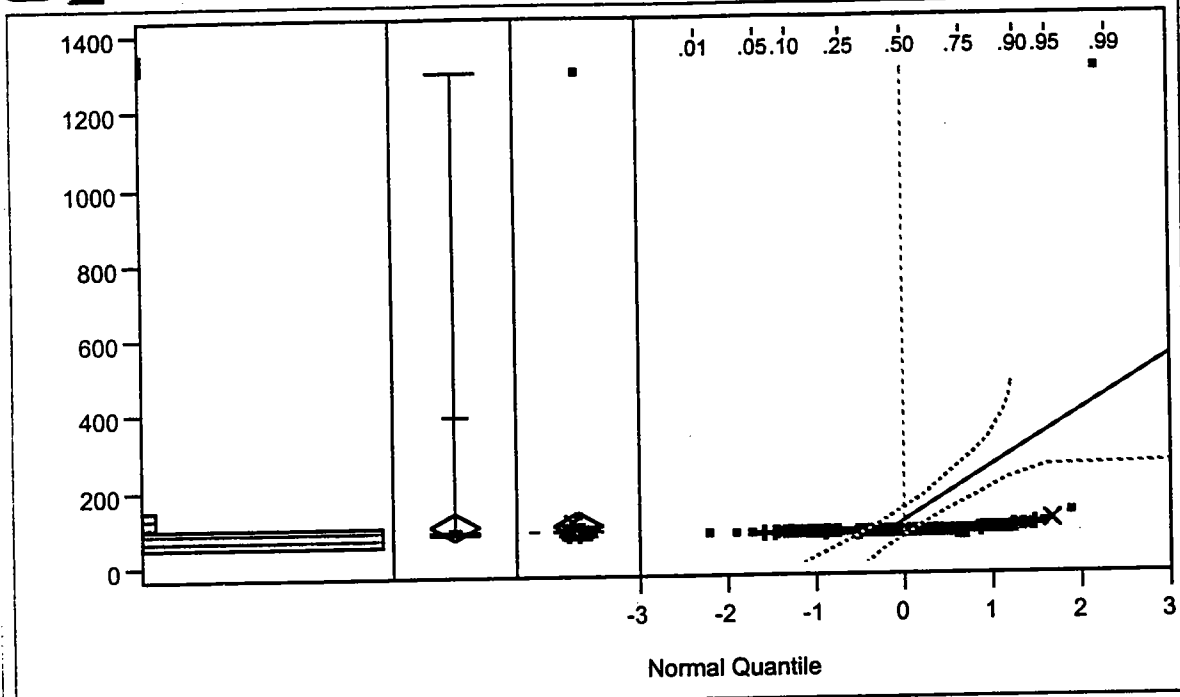
Means Comparisons

Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| B     | 18    | 355.5     | 19.7500    | -3.804            |
| M     | 26    | 924       | 35.5385    | 0.006             |
| T     | 26    | 1205.5    | 46.3654    | 3.428             |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 18.2012   | 2  | 0.0001     |



**Quantiles**

|          |        |        |
|----------|--------|--------|
| maximum  | 100.0% | 1300.0 |
|          | 99.5%  | 1300.0 |
|          | 97.5%  | 393.2  |
|          | 90.0%  | 94.5   |
| quartile | 75.0%  | 85.0   |
| median   | 50.0%  | 85.0   |
| quartile | 25.0%  | 85.0   |
|          | 10.0%  | 80.0   |
|          | 2.5%   | 80.0   |
|          | 0.5%   | 80.0   |
| minimum  | 0.0%   | 80.0   |

**Moments**

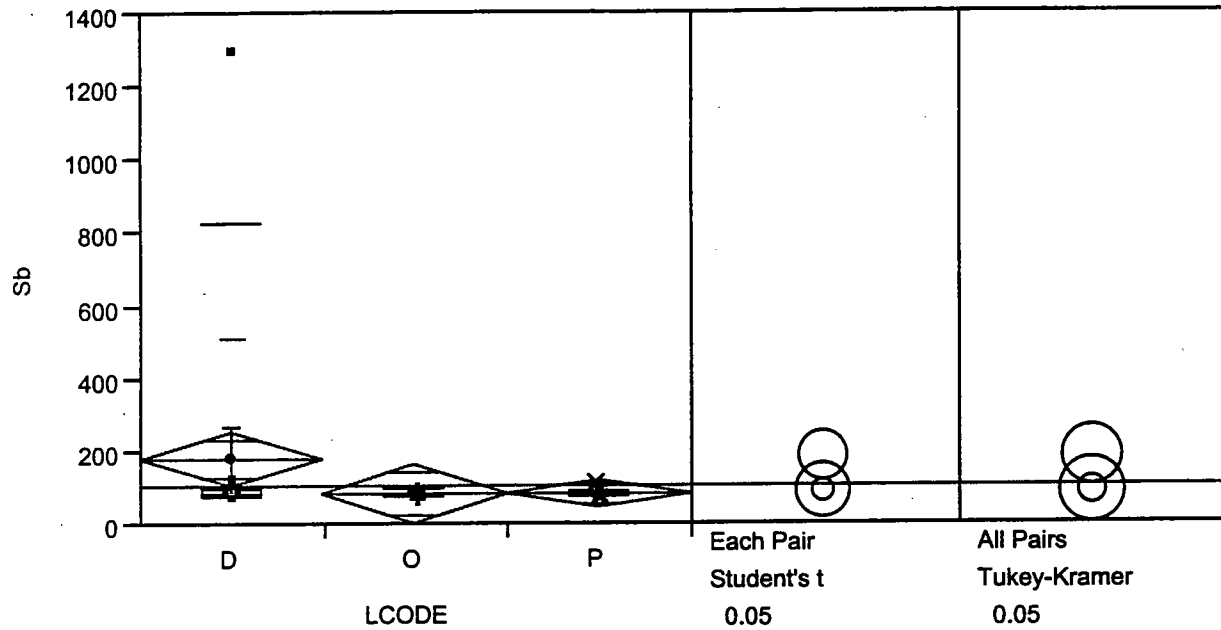
|                |           |
|----------------|-----------|
| Mean           | 103.7143  |
| Std Dev        | 145.2395  |
| Std Error Mean | 17.3594   |
| Upper 95% Mean | 138.3455  |
| Lower 95% Mean | 69.0831   |
| N              | 70.0000   |
| Sum Weights    | 70.0000   |
| Sum            | 7260.0000 |
| Variance       | 21094.519 |
| Skewness       | 8.3344    |
| Kurtosis       | 69.6306   |
| CV             | 140.0381  |

**Test for Normality**

|                     |        |
|---------------------|--------|
| Shapiro-Wilk W Test |        |
| W                   | Prob<W |
| 0.145598            | 0.0000 |



**Sb By LCODE**



Analysis Display

**Quantiles**

| Level | minimum | 10.0% | 25.0% | median | 75.0% | 90.0% | maximum |
|-------|---------|-------|-------|--------|-------|-------|---------|
| D     | 80      | 80    | 82.5  | 85     | 97.5  | 832   | 1300    |
| O     | 80      | 80    | 80    | 85     | 85    | 98    | 100     |
| P     | 80      | 80    | 85    | 85     | 85    | 90    | 105     |

**Oneway Anova**

**Means and Std Deviations**

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| D     | 13     | 183.077 | 335.873 | 93.154       |
| O     | 11     | 85.455  | 5.681   | 1.713        |
| P     | 46     | 85.652  | 4.516   | 0.666        |

**Means Comparisons**

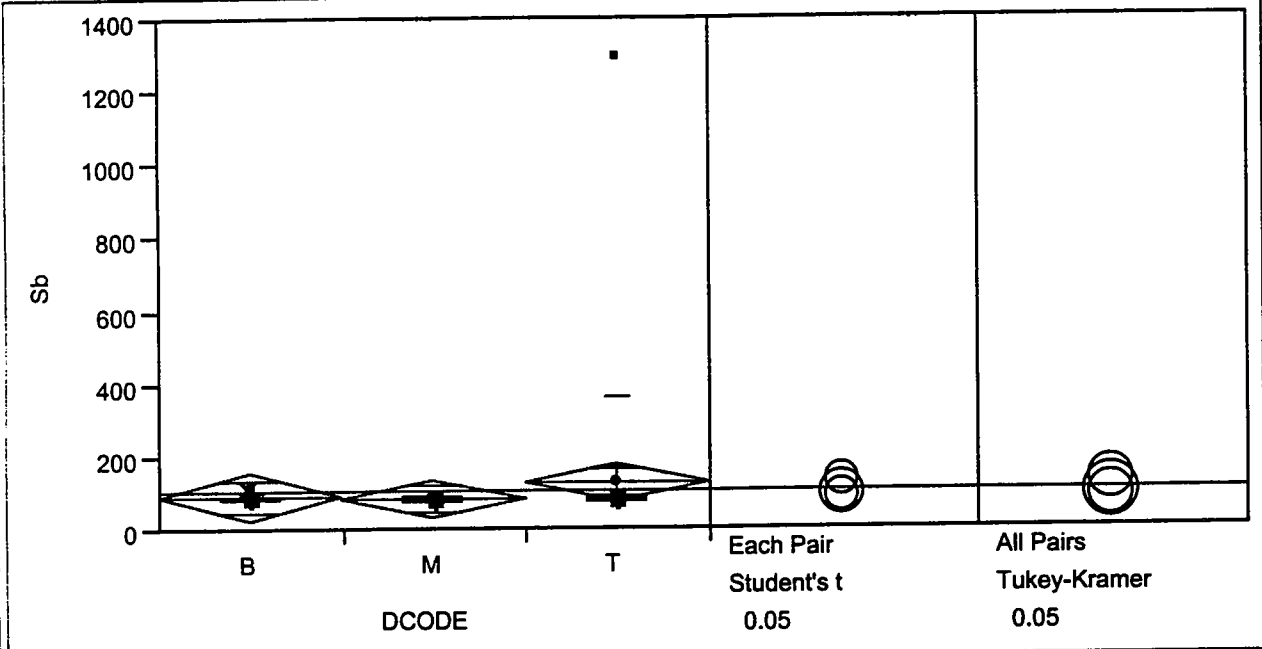
**Wilcoxon / Kruskal-Wallis Tests (Rank Sums)**

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| D     | 13    | 520.5     | 40.0385    | 0.976             |
| O     | 11    | 356       | 32.3636    | -0.606            |
| P     | 46    | 1608.5    | 34.9674    | -0.328            |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 1.1474    | 2  | 0.5634     |

**Sb By DCODE**



Analysis  Display

**Quantiles**

| Level | minimum | 10.0% | 25.0% | median | 75.0% | 90.0% | maximum |
|-------|---------|-------|-------|--------|-------|-------|---------|
| B     | 85      | 85    | 85    | 85     | 92.5  | 107.5 | 130     |
| M     | 80      | 80    | 85    | 85     | 85    | 90    | 95      |
| T     | 80      | 80    | 80    | 85     | 85    | 91.5  | 1300    |

**Oneway Anova**

**Means and Std Deviations**

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| B     | 18     | 91.667  | 11.757  | 2.771        |
| M     | 26     | 85.385  | 3.442   | 0.675        |
| T     | 26     | 130.385 | 238.582 | 46.790       |

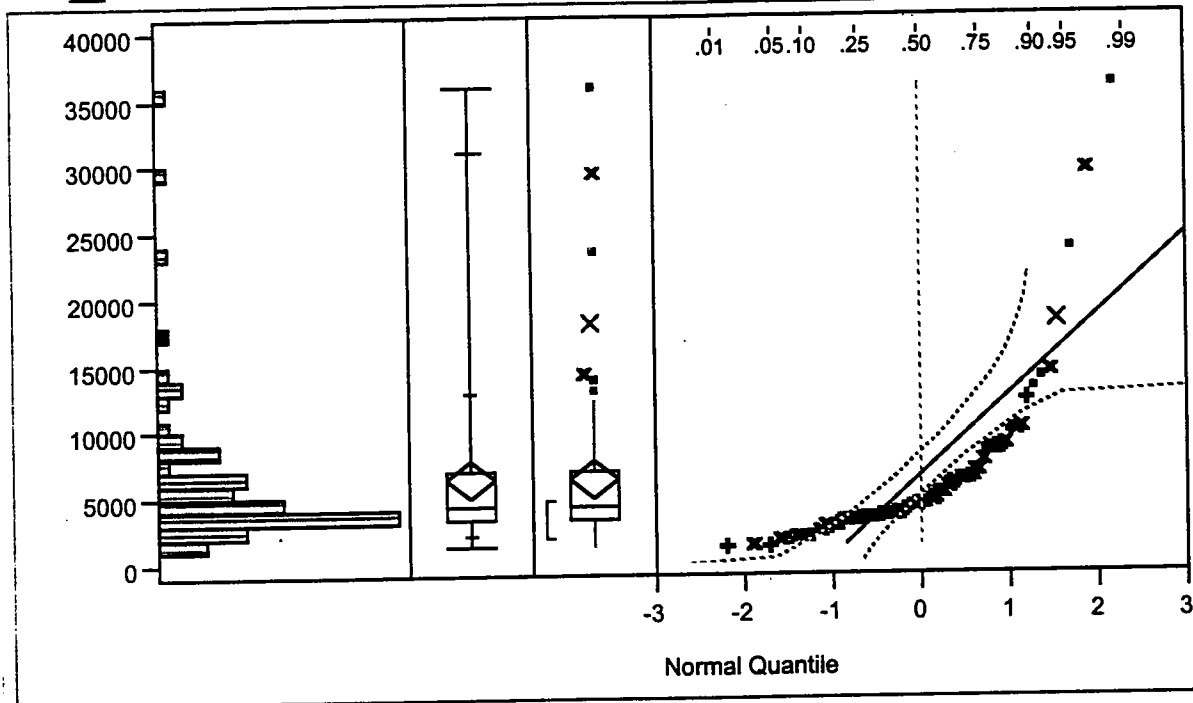
**Means Comparisons**

**Wilcoxon / Kruskal-Wallis Tests (Rank Sums)**

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| B     | 18    | 856       | 47.5556    | 3.215             |
| M     | 26    | 923.5     | 35.5192    | -0.000            |
| T     | 26    | 705.5     | 27.1346    | -2.915            |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 13.0825   | 2  | 0.0014     |



**Quantiles**

|          |        |       |
|----------|--------|-------|
| maximum  | 100.0% | 35900 |
|          | 99.5%  | 35900 |
|          | 97.5%  | 30940 |
|          | 90.0%  | 12920 |
| quartile | 75.0%  | 6925  |
| median   | 50.0%  | 4350  |
| quartile | 25.0%  | 3275  |
|          | 10.0%  | 2020  |
|          | 2.5%   | 1300  |
|          | 0.5%   | 1300  |
| minimum  | 0.0%   | 1300  |

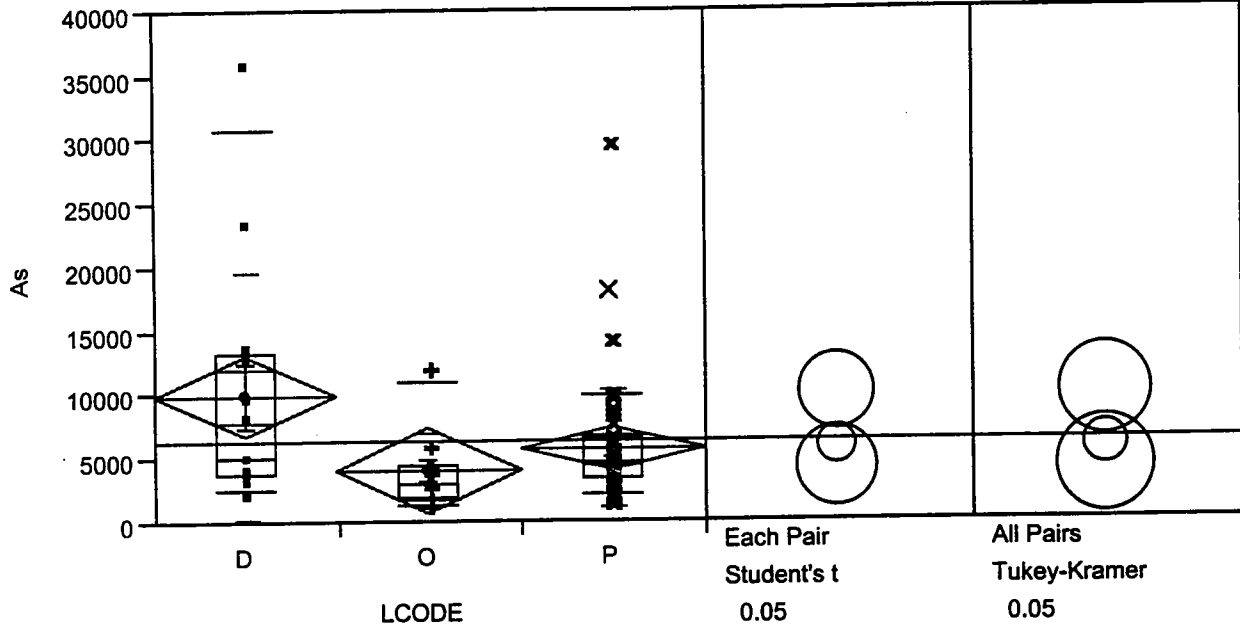
**Moments**

|                |          |
|----------------|----------|
| Mean           | 6375.714 |
| Std Dev        | 6048.911 |
| Std Error Mean | 722.983  |
| Upper 95% Mean | 7818.029 |
| Lower 95% Mean | 4933.399 |
| N              | 70.000   |
| Sum Weights    | 70.000   |
| Sum            | 446300   |
| Variance       | 36589329 |
| Skewness       | 3.011    |
| Kurtosis       | 10.641   |
| CV             | 94.874   |

**Test for Normality**

|                     |        |
|---------------------|--------|
| Shapiro-Wilk W Test |        |
| W                   | Prob<W |
| 0.668558            | 0.0000 |

As By LCODE



Analysis  Display

Quantiles

| Level | minimum | 10.0% | 25.0% | median | 75.0% | 90.0% | maximum |
|-------|---------|-------|-------|--------|-------|-------|---------|
| D     | 2200    | 2600  | 3800  | 5200   | 13400 | 30940 | 35900   |
| O     | 1300    | 1320  | 2000  | 3000   | 4500  | 10980 | 12200   |
| P     | 1300    | 2210  | 3375  | 4500   | 6700  | 9960  | 29500   |

Oneway Anova

Means and Std Deviations

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| D     | 13     | 10084.6 | 9795.90 | 2716.9       |
| O     | 11     | 4018.2  | 3056.74 | 921.6        |
| P     | 46     | 5891.3  | 4781.80 | 705.0        |

Means Comparisons

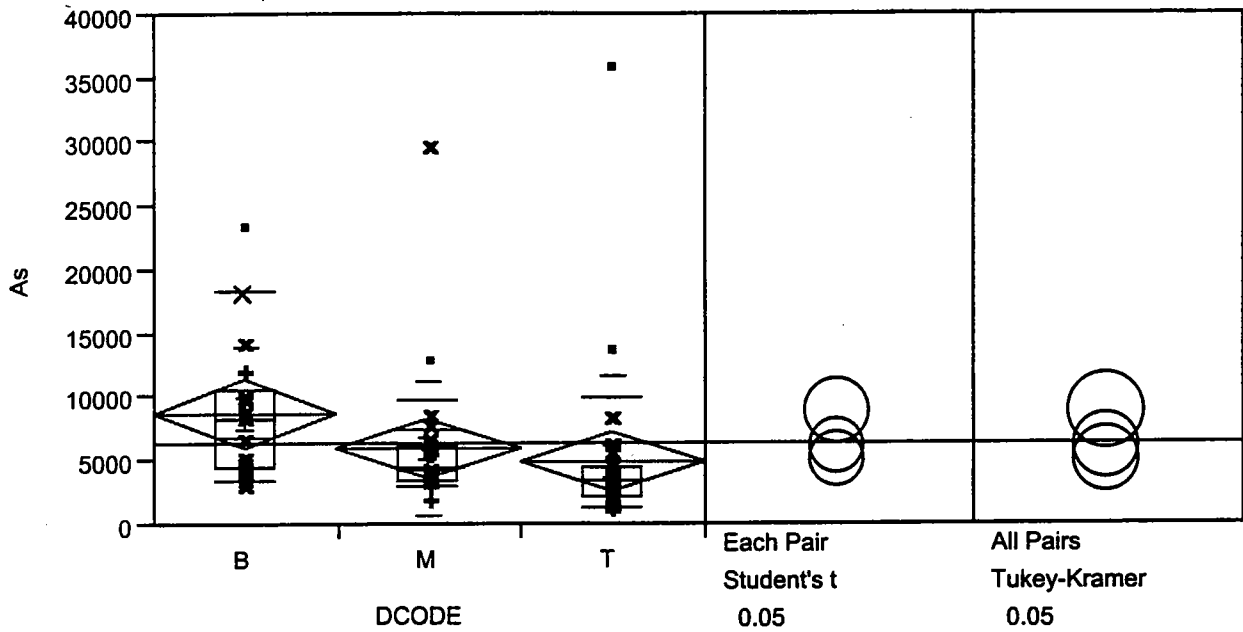
Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| D     | 13    | 576.5     | 44.3462    | 1.730             |
| O     | 11    | 255.5     | 23.2273    | -2.171            |
| P     | 46    | 1653      | 35.9348    | 0.241             |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 6.4817    | 2  | 0.0391     |

As By DCODE



Analysis  Display

Quantiles

| Level | minimum | 10.0% | 25.0% | median | 75.0% | 90.0% | maximum |
|-------|---------|-------|-------|--------|-------|-------|---------|
| B     | 3100    | 3370  | 4550  | 8300   | 10625 | 18505 | 23500   |
| M     | 2000    | 3000  | 3375  | 4400   | 6225  | 9850  | 29500   |
| T     | 1300    | 1370  | 2150  | 3450   | 4525  | 9950  | 35900   |

Oneway Anova

Means and Std Deviations

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| B     | 18     | 8847.22 | 5437.30 | 1281.6       |
| M     | 26     | 6019.23 | 5299.89 | 1039.4       |
| T     | 26     | 5021.15 | 6808.50 | 1335.3       |

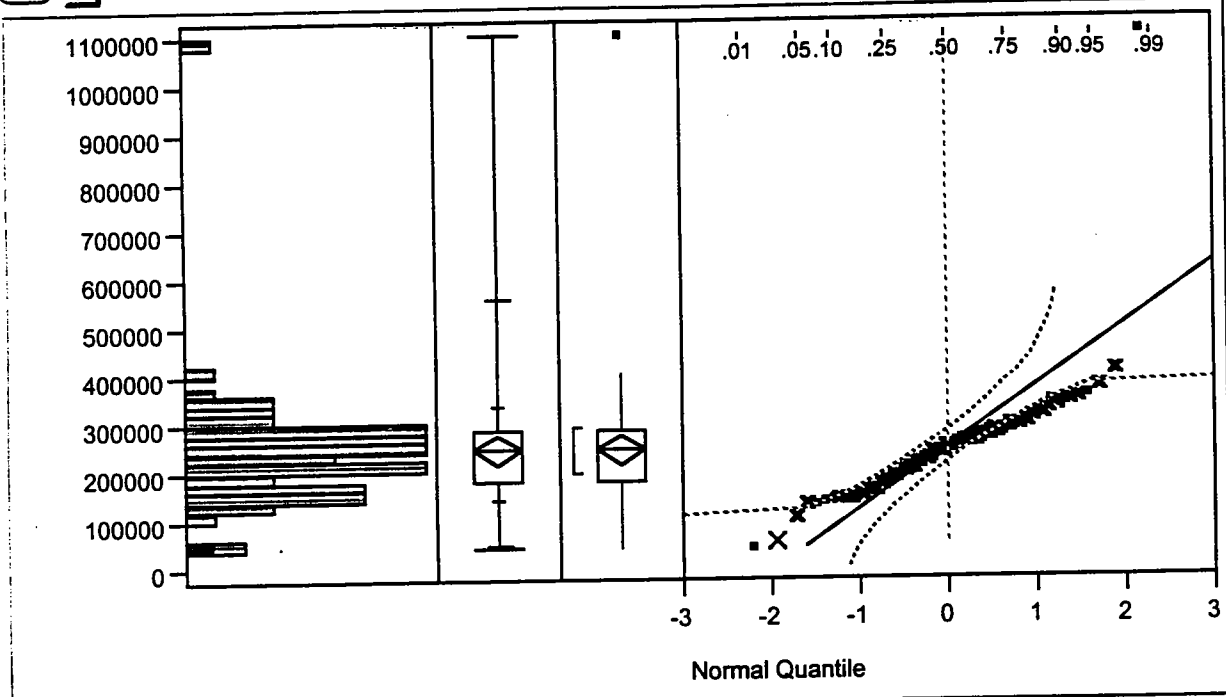
Means Comparisons

Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| B     | 18    | 891       | 49.5000    | 3.381             |
| M     | 26    | 957.5     | 36.8269    | 0.413             |
| T     | 26    | 636.5     | 24.4808    | -3.477            |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 16.2616   | 2  | 0.0003     |



**Quantiles**

|          |        |         |
|----------|--------|---------|
| maximum  | 100.0% | 1100000 |
|          | 99.5%  | 1100000 |
|          | 97.5%  | 560600  |
|          | 90.0%  | 334900  |
| quartile | 75.0%  | 285500  |
| median   | 50.0%  | 246000  |
| quartile | 25.0%  | 178000  |
|          | 10.0%  | 140100  |
|          | 2.5%   | 44497.5 |
|          | 0.5%   | 43800   |
| minimum  | 0.0%   | 43800   |

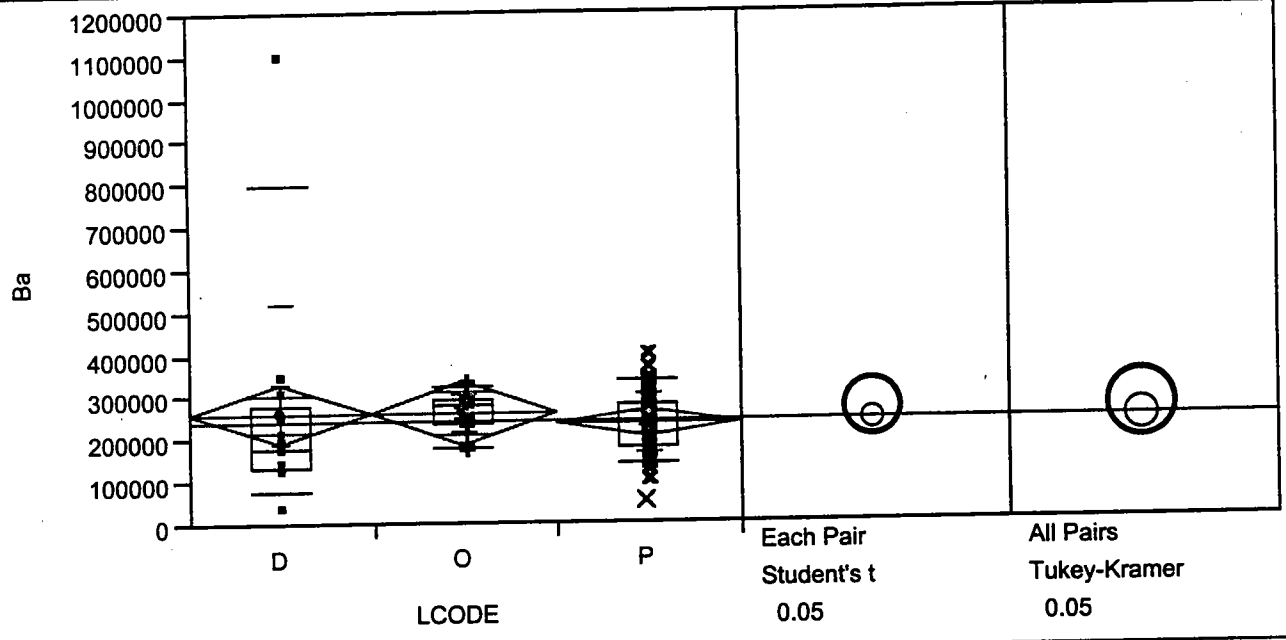
**Moments**

|                |           |
|----------------|-----------|
| Mean           | 245442.9  |
| Std Dev        | 127307.2  |
| Std Error Mean | 15216.1   |
| Upper 95% Mean | 275798.2  |
| Lower 95% Mean | 215087.5  |
| N              | 70.0      |
| Sum Weights    | 70.0      |
| Sum            | 17181000  |
| Variance       | 1.6207e10 |
| Skewness       | 4.4       |
| Kurtosis       | 29.4      |
| CV             | 51.9      |

**Test for Normality**

|                     |        |
|---------------------|--------|
| Shapiro-Wilk W Test |        |
| W                   | Prob<W |
| 0.678161            | 0.0000 |

**Ba By LCODE**



Analysis  Display

**Quantiles**

| Level | minimum | 10.0%  | 25.0%  | median | 75.0%  | 90.0%  | maximum |
|-------|---------|--------|--------|--------|--------|--------|---------|
| D     | 43800   | 79080  | 138500 | 182000 | 284000 | 800800 | 1100000 |
| O     | 178000  | 181400 | 236000 | 282000 | 292000 | 327600 | 335000  |
| P     | 44700   | 141700 | 180250 | 246000 | 281375 | 336100 | 404000  |

**Oneway Anova**

**Means and Std Deviations**

| Level | Number | Mean   | Std Dev | Std Err Mean |
|-------|--------|--------|---------|--------------|
| D     | 13     | 261292 | 264667  | 73406        |
| O     | 11     | 263909 | 45923   | 13846        |
| P     | 46     | 236548 | 73931   | 10901        |

**Means Comparisons**

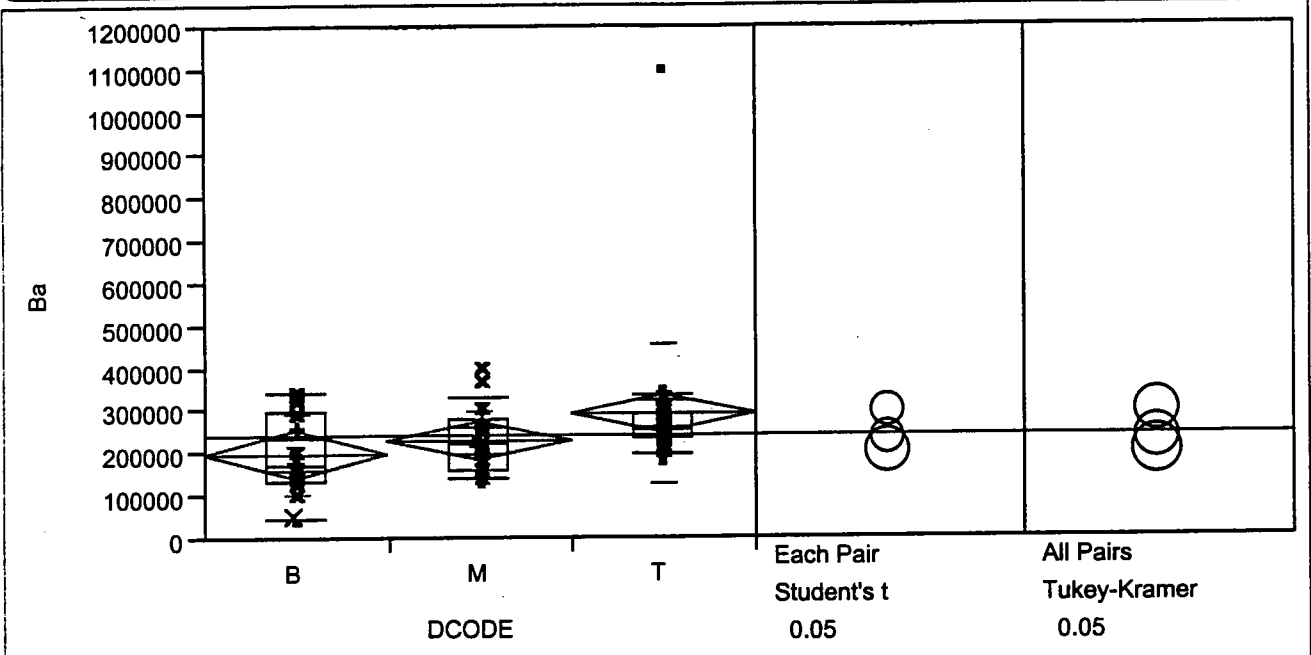
**Wilcoxon / Kruskal-Wallis Tests (Rank Sums)**

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| D     | 13    | 355.5     | 27.3462    | -1.594            |
| O     | 11    | 487       | 44.2727    | 1.549             |
| P     | 46    | 1642.5    | 35.7065    | 0.111             |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 4.1366    | 2  | 0.1264     |

**Ba By DCODE**



Analysis  Display

**Quantiles**

| Level | minimum | 10.0%  | 25.0%  | median | 75.0%  | 90.0%  | maximum |
|-------|---------|--------|--------|--------|--------|--------|---------|
| B     | 43800   | 44610  | 135250 | 173500 | 300750 | 341500 | 346000  |
| M     | 132000  | 141400 | 160000 | 221500 | 282250 | 330000 | 404000  |
| T     | 182000  | 202100 | 236750 | 256000 | 293500 | 339400 | 1100000 |

**Oneway Anova**

**Means and Std Deviations**

| Level | Number | Mean   | Std Dev | Std Err Mean |
|-------|--------|--------|---------|--------------|
| B     | 18     | 196694 | 98186   | 23143        |
| M     | 26     | 231308 | 72275   | 14174        |
| T     | 26     | 293327 | 169260  | 33195        |

**Means Comparisons**

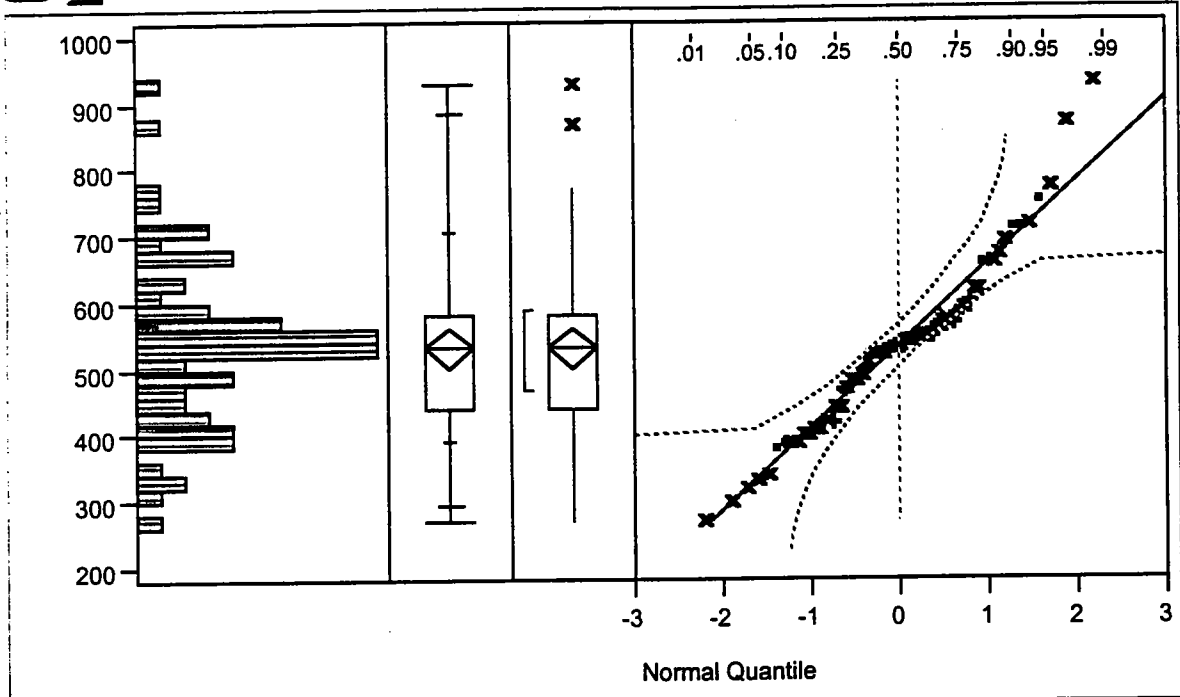
**Wilcoxon / Kruskal-Wallis Tests (Rank Sums)**

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| B     | 18    | 484.5     | 26.9167    | -2.070            |
| M     | 26    | 869       | 33.4231    | -0.650            |
| T     | 26    | 1131.5    | 43.5192    | 2.529             |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 7.5116    | 2  | 0.0234     |





**Quantiles**

|          |        |        |
|----------|--------|--------|
| maximum  | 100.0% | 930.00 |
|          | 99.5%  | 930.00 |
|          | 97.5%  | 883.50 |
|          | 90.0%  | 708.00 |
| quartile | 75.0%  | 582.50 |
| median   | 50.0%  | 532.50 |
| quartile | 25.0%  | 440.00 |
|          | 10.0%  | 390.00 |
|          | 2.5%   | 293.25 |
|          | 0.5%   | 270.00 |
| minimum  | 0.0%   | 270.00 |

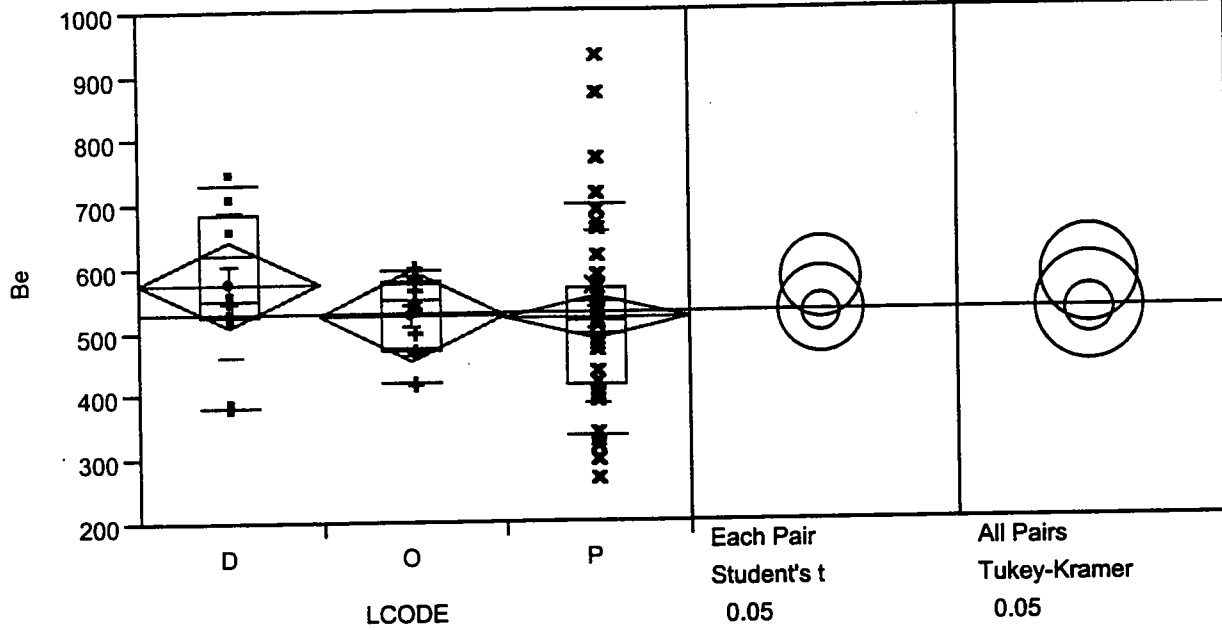
**Moments**

|                |           |
|----------------|-----------|
| Mean           | 532.1429  |
| Std Dev        | 124.6984  |
| Std Error Mean | 14.9043   |
| Upper 95% Mean | 561.8762  |
| Lower 95% Mean | 502.4095  |
| N              | 70.0000   |
| Sum Weights    | 70.0000   |
| Sum            | 37250     |
| Variance       | 15549.689 |
| Skewness       | 0.5796    |
| Kurtosis       | 1.1017    |
| CV             | 23.4333   |

**Test for Normality**

|                     |        |
|---------------------|--------|
| Shapiro-Wilk W Test |        |
| W                   | Prob<W |
| 0.964096            | 0.1220 |

**Be By LCODE**



Analysis  Display

**Quantiles**

| Level | minimum | 10.0% | 25.0% | median | 75.0% | 90.0% | maximum |
|-------|---------|-------|-------|--------|-------|-------|---------|
| D     | 380     | 384   | 525   | 550    | 685   | 734   | 750     |
| O     | 420     | 420   | 470   | 550    | 580   | 598   | 600     |
| P     | 270     | 337   | 417.5 | 520    | 570   | 697.5 | 930     |

**Oneway Anova**

**Means and Std Deviations**

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| D     | 13     | 576.154 | 116.515 | 32.315       |
| O     | 11     | 526.364 | 64.849  | 19.553       |
| P     | 46     | 521.087 | 136.365 | 20.106       |

**Means Comparisons**

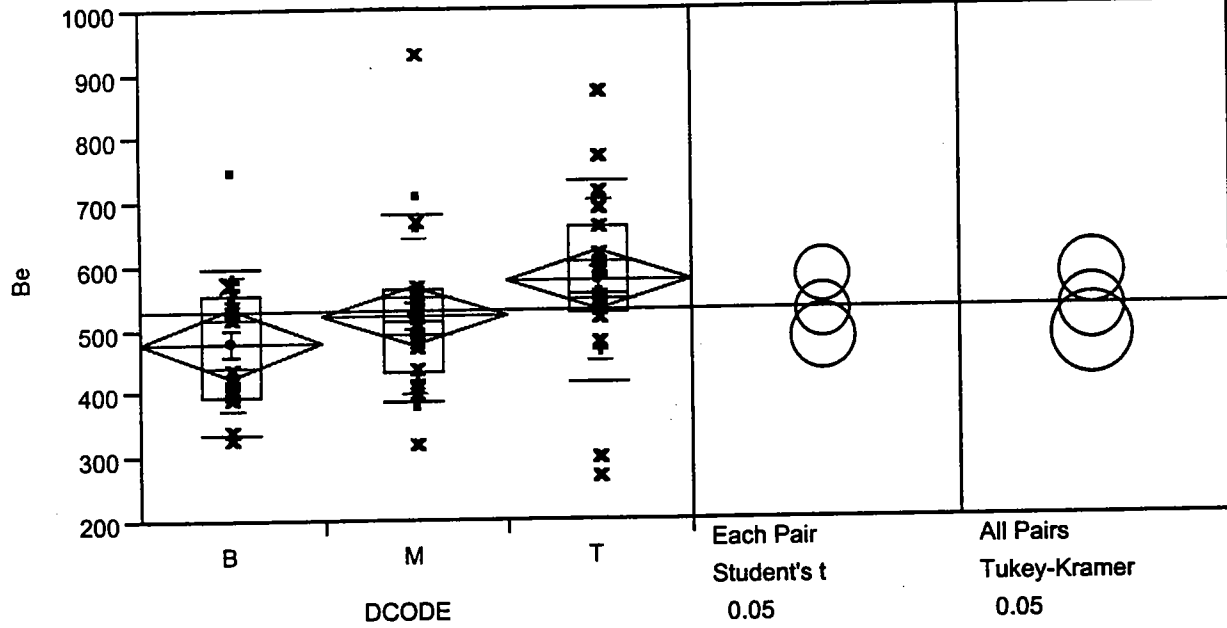
**Wilcoxon / Kruskal-Wallis Tests (Rank Sums)**

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| D     | 13    | 556.5     | 42.8077    | 1.428             |
| O     | 11    | 415.5     | 37.7727    | 0.396             |
| P     | 46    | 1513      | 32.8913    | -1.480            |

**1-way Test, Chi-Square Approximation**

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 2.5739    | 2  | 0.2761     |

Be By DCODE



Analysis  Display

| Quantiles |         |       |       |        |       |       |         |
|-----------|---------|-------|-------|--------|-------|-------|---------|
| Level     | minimum | 10.0% | 25.0% | median | 75.0% | 90.0% | maximum |
| B         | 330     | 339   | 397.5 | 480    | 555   | 597   | 750     |
| M         | 320     | 387   | 435   | 515    | 562.5 | 682   | 930     |
| T         | 270     | 419   | 527.5 | 555    | 660   | 731.5 | 870     |

Oneway Anova

| Means and Std Deviations |        |         |         |              |
|--------------------------|--------|---------|---------|--------------|
| Level                    | Number | Mean    | Std Dev | Std Err Mean |
| B                        | 18     | 481.667 | 106.177 | 25.026       |
| M                        | 26     | 523.077 | 123.637 | 24.247       |
| T                        | 26     | 576.154 | 126.612 | 24.831       |

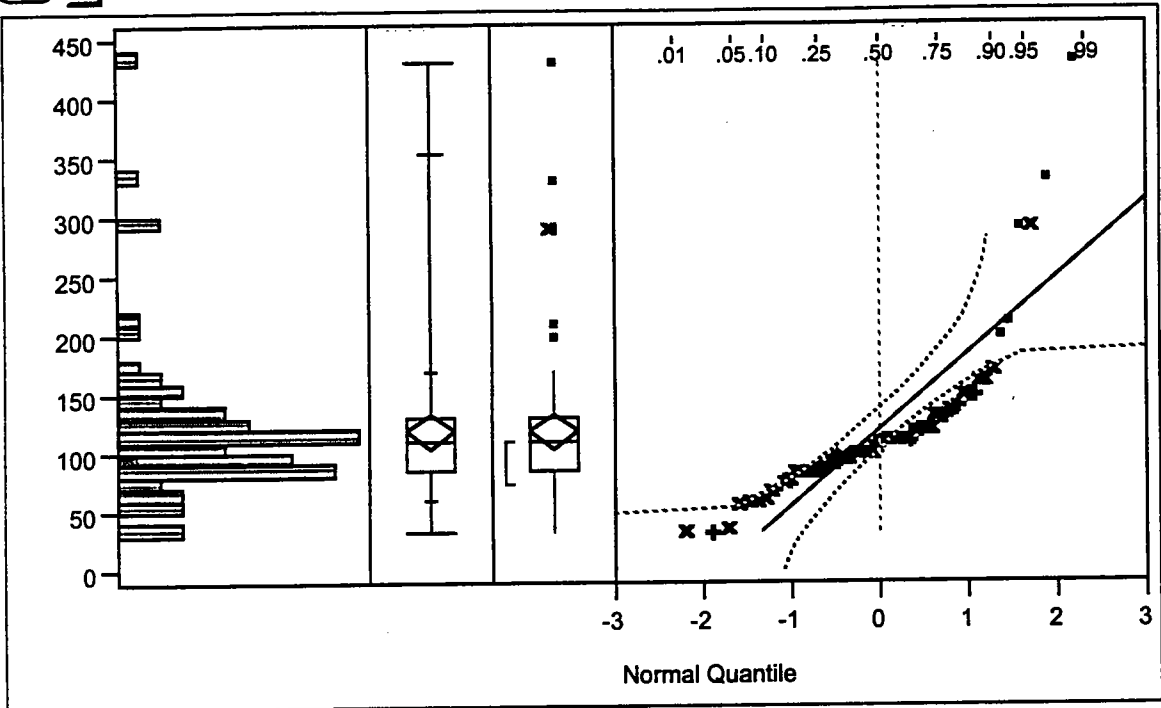
Means Comparisons

| Wilcoxon / Kruskal-Wallis Tests (Rank Sums) |       |           |            |                   |
|---------------------------------------------|-------|-----------|------------|-------------------|
| Level                                       | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
| B                                           | 18    | 491       | 27.2778    | -1.984            |
| M                                           | 26    | 850       | 32.6923    | -0.882            |
| T                                           | 26    | 1144      | 44.0000    | 2.683             |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 7.9832    | 2  | 0.0185     |

Cd ▶



**Quantiles**

|          |        |        |
|----------|--------|--------|
| maximum  | 100.0% | 430.00 |
|          | 99.5%  | 430.00 |
|          | 97.5%  | 352.50 |
|          | 90.0%  | 169.00 |
| quartile | 75.0%  | 130.00 |
| median   | 50.0%  | 110.00 |
| quartile | 25.0%  | 84.75  |
|          | 10.0%  | 60.70  |
|          | 2.5%   | 33.00  |
|          | 0.5%   | 33.00  |
| minimum  | 0.0%   | 33.00  |

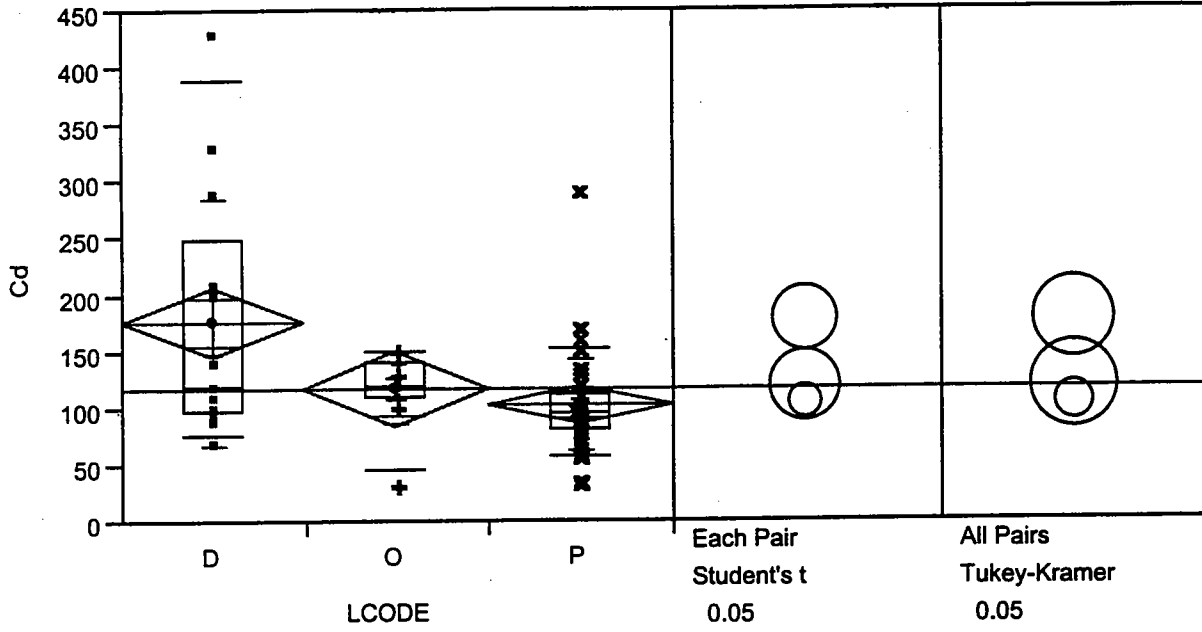
**Moments**

|                |           |
|----------------|-----------|
| Mean           | 118.3286  |
| Std Dev        | 64.8293   |
| Std Error Mean | 7.7486    |
| Upper 95% Mean | 133.7866  |
| Lower 95% Mean | 102.8706  |
| N              | 70.0000   |
| Sum Weights    | 70.0000   |
| Sum            | 8283.0000 |
| Variance       | 4202.8325 |
| Skewness       | 2.6256    |
| Kurtosis       | 8.9985    |
| CV             | 54.7875   |

**Test for Normality**

|                     |        |
|---------------------|--------|
| Shapiro-Wilk W Test |        |
| W                   | Prob<W |
| 0.751897            | <.0001 |

**Cd By LCODE**



Analysis  Display

**Quantiles**

| Level | minimum | 10.0% | 25.0% | median | 75.0% | 90.0% | maximum |
|-------|---------|-------|-------|--------|-------|-------|---------|
| D     | 69      | 76.6  | 97.5  | 120    | 250   | 390   | 430     |
| O     | 33      | 46.4  | 110   | 120    | 140   | 150   | 150     |
| P     | 33      | 58.4  | 82    | 96.5   | 112.5 | 153   | 290     |

**Oneway Anova**

**Means and Std Deviations**

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| D     | 13     | 177.077 | 110.453 | 30.634       |
| O     | 11     | 116.636 | 32.472  | 9.791        |
| P     | 46     | 102.130 | 41.119  | 6.063        |

**Means Comparisons**

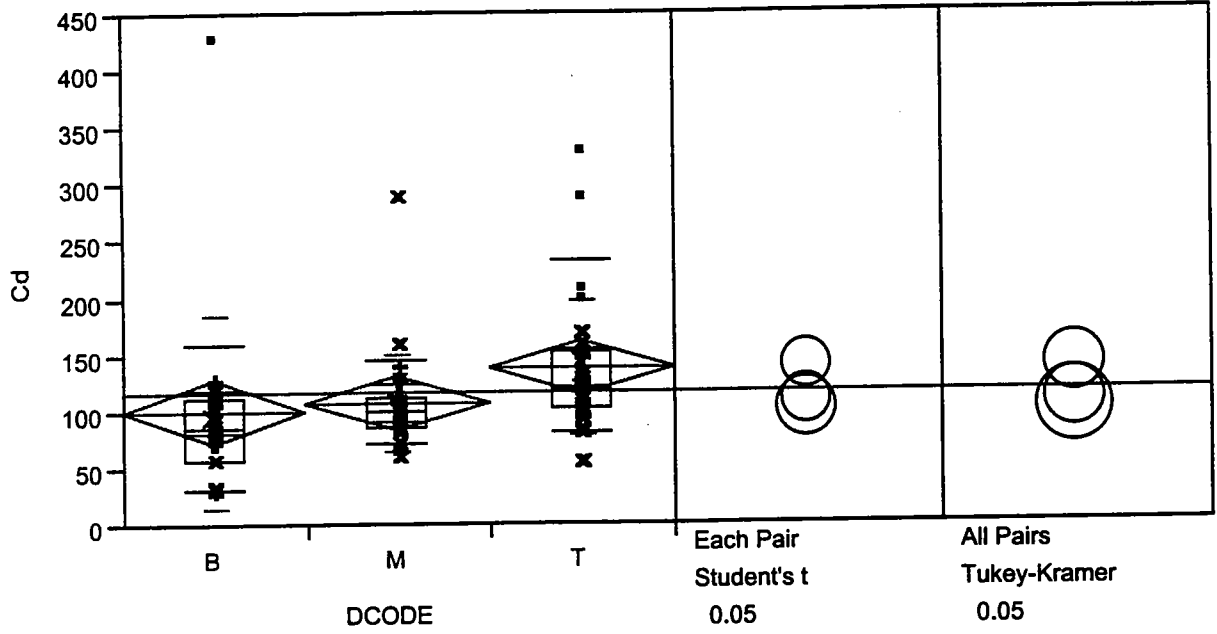
**Wilcoxon / Kruskal-Wallis Tests (Rank Sums)**

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| D     | 13    | 619.5     | 47.6538    | 2.385             |
| O     | 11    | 486       | 44.1818    | 1.537             |
| P     | 46    | 1379.5    | 29.9891    | -3.139            |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 10.0641   | 2  | 0.0065     |

**Cd By DCODE**



Analysis  Display

**Quantiles**

| Level | minimum | 10.0% | 25.0%  | median | 75.0% | 90.0% | maximum |
|-------|---------|-------|--------|--------|-------|-------|---------|
| B     | 33      | 33    | 58.5   | 86.5   | 112.5 | 160   | 430     |
| M     | 60      | 71.2  | 86.5   | 100    | 112.5 | 146   | 290     |
| T     | 56      | 82.7  | 102.25 | 120    | 152.5 | 234   | 330     |

**Oneway Anova**

**Means and Std Deviations**

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| B     | 18     | 101.444 | 87.3662 | 20.592       |
| M     | 26     | 108.654 | 43.2425 | 8.481        |
| T     | 26     | 139.692 | 61.3376 | 12.029       |

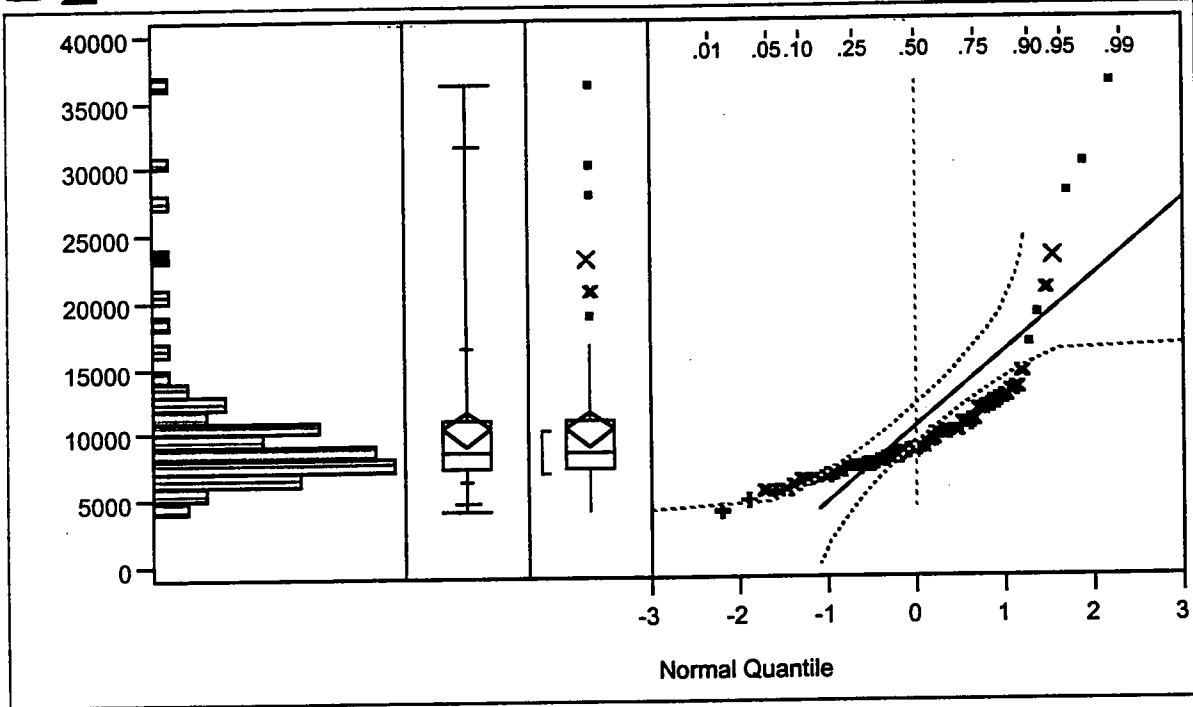
**Means Comparisons**

**Wilcoxon / Kruskal-Wallis Tests (Rank Sums)**

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| B     | 18    | 437.5     | 24.3056    | -2.708            |
| M     | 26    | 850       | 32.6923    | -0.884            |
| T     | 26    | 1197.5    | 46.0577    | 3.339             |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 13.0066   | 2  | 0.0015     |



**Quantiles**

|          |        |       |
|----------|--------|-------|
| maximum  | 100.0% | 36300 |
|          | 99.5%  | 36300 |
|          | 97.5%  | 31650 |
|          | 90.0%  | 16390 |
| quartile | 75.0%  | 11100 |
| median   | 50.0%  | 8600  |
| quartile | 25.0%  | 7375  |
|          | 10.0%  | 6300  |
|          | 2.5%   | 4743  |
|          | 0.5%   | 4200  |
| minimum  | 0.0%   | 4200  |

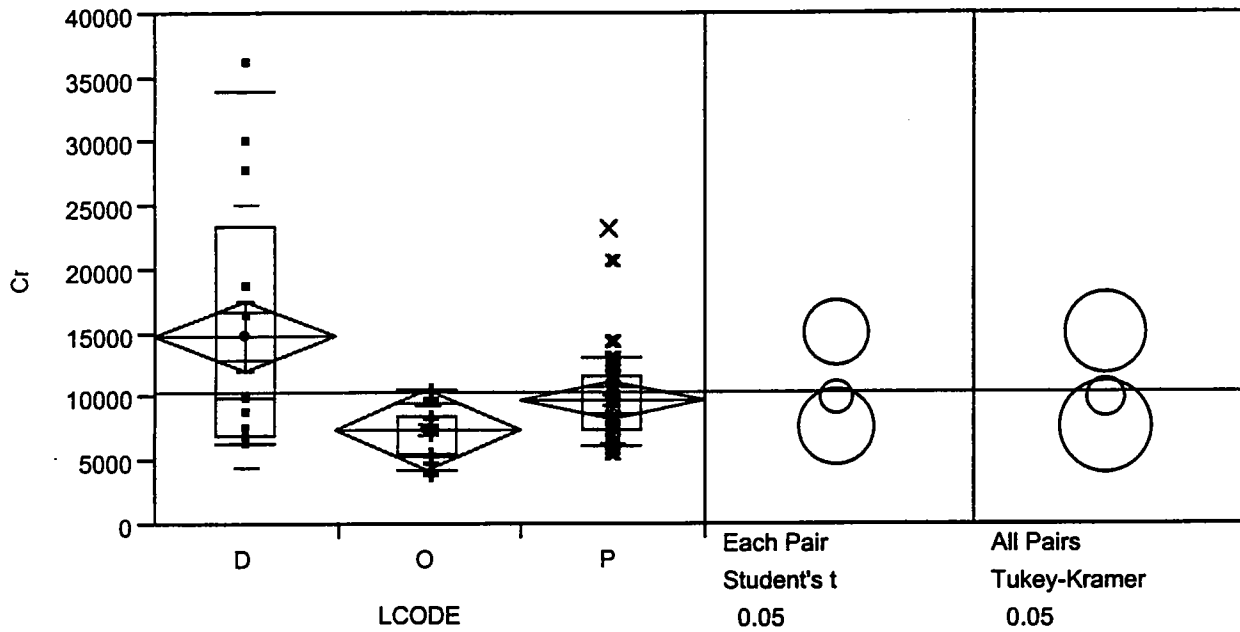
**Moments**

|                |           |
|----------------|-----------|
| Mean           | 10344.29  |
| Std Dev        | 5693.73   |
| Std Error Mean | 680.53    |
| Upper 95% Mean | 11701.91  |
| Lower 95% Mean | 8986.66   |
| N              | 70.00     |
| Sum Weights    | 70.00     |
| Sum            | 724100.00 |
| Variance       | 32418518  |
| Skewness       | 2.70      |
| Kurtosis       | 8.29      |
| CV             | 55.04     |

**Test for Normality**

|                     |        |
|---------------------|--------|
| Shapiro-Wilk W Test |        |
| W                   | Prob<W |
| 0.705934            | 0.0000 |

Cr By LCODE



Analysis  Display

Quantiles

| Level | minimum | 10.0% | 25.0% | median | 75.0% | 90.0% | maximum |
|-------|---------|-------|-------|--------|-------|-------|---------|
| D     | 6400    | 6440  | 7100  | 10100  | 23400 | 33900 | 36300   |
| O     | 4200    | 4340  | 5500  | 7500   | 8600  | 10560 | 10700   |
| P     | 5500    | 6300  | 7475  | 8750   | 11700 | 13060 | 23000   |

Oneway Anova

Means and Std Deviations

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| D     | 13     | 14930.8 | 10325.7 | 2863.8       |
| O     | 11     | 7490.9  | 2015.2  | 607.6        |
| P     | 46     | 9730.4  | 3452.7  | 509.1        |

Means Comparisons

Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

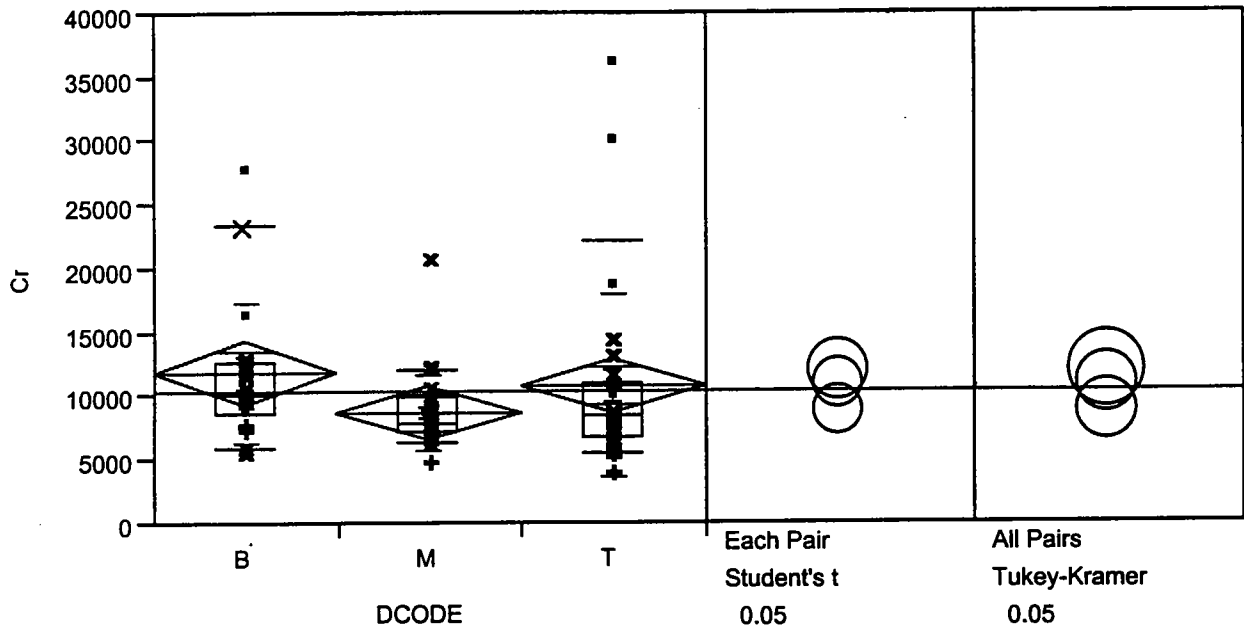
| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| D     | 13    | 547       | 42.0769    | 1.284             |
| O     | 11    | 255       | 23.1818    | -2.179            |
| P     | 46    | 1683      | 36.5870    | 0.613             |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 5.5209    | 2  | 0.0633     |



Cr By DCODE



Analysis  Display

Quantiles

| Level | minimum | 10.0% | 25.0% | median | 75.0%   | 90.0% | maximum |
|-------|---------|-------|-------|--------|---------|-------|---------|
| B     | 5500    | 5950  | 8725  | 10300  | 12700   | 23490 | 27900   |
| M     | 4900    | 6370  | 7275  | 7850   | 10025   | 12190 | 20800   |
| T     | 4200    | 5570  | 6950  | 8450   | 11112.5 | 22320 | 36300   |

Oneway Anova

Means and Std Deviations

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| B     | 18     | 11905.6 | 5652.01 | 1332.2       |
| M     | 26     | 8800.0  | 3036.31 | 595.5        |
| T     | 26     | 10807.7 | 7353.54 | 1442.1       |

Means Comparisons

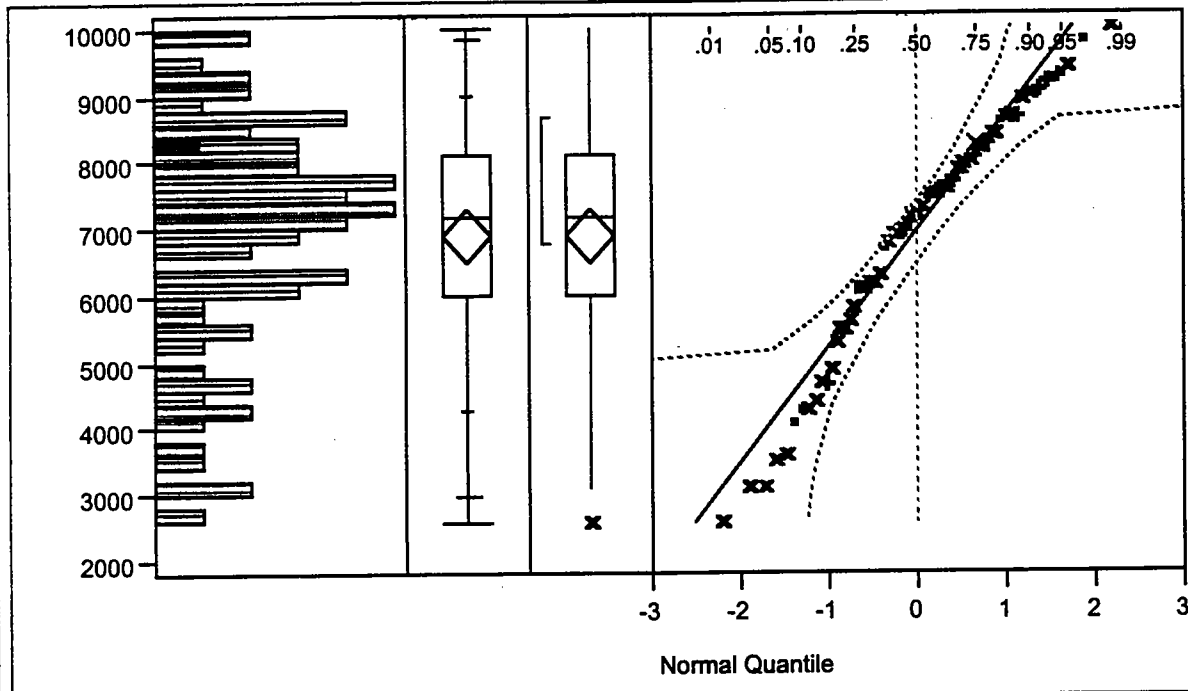
Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| B     | 18    | 803       | 44.6111    | 2.197             |
| M     | 26    | 784       | 30.1538    | -1.684            |
| T     | 26    | 898       | 34.5385    | -0.298            |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 5.4620    | 2  | 0.0652     |

Co



**Quantiles**

|          |        |       |
|----------|--------|-------|
| maximum  | 100.0% | 10000 |
|          | 99.5%  | 10000 |
|          | 97.5%  | 9845  |
|          | 90.0%  | 8995  |
| quartile | 75.0%  | 8125  |
| median   | 50.0%  | 7200  |
| quartile | 25.0%  | 6025  |
|          | 10.0%  | 4300  |
|          | 2.5%   | 2988  |
|          | 0.5%   | 2600  |
| minimum  | 0.0%   | 2600  |

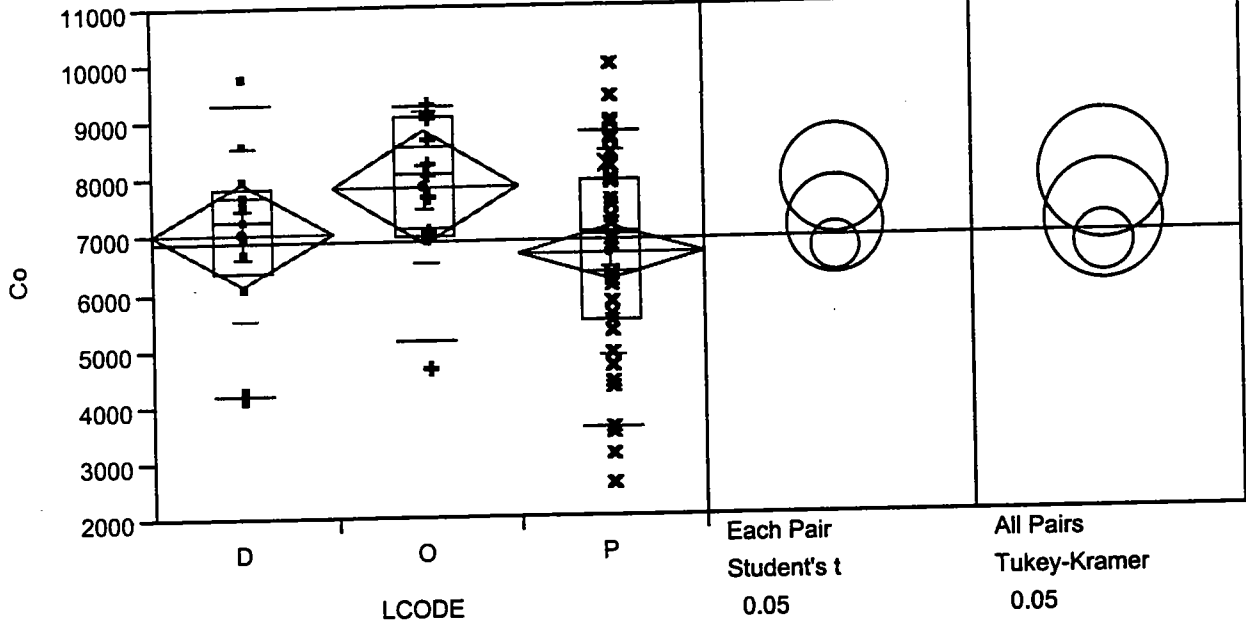
**Moments**

|                |           |
|----------------|-----------|
| Mean           | 6906.429  |
| Std Dev        | 1732.823  |
| Std Error Mean | 207.112   |
| Upper 95% Mean | 7319.606  |
| Lower 95% Mean | 6493.251  |
| N              | 70.000    |
| Sum Weights    | 70.000    |
| Sum            | 483450    |
| Variance       | 3002675.5 |
| Skewness       | -0.618    |
| Kurtosis       | -0.181    |
| CV             | 25.090    |

**Test for Normality**

|                     |        |
|---------------------|--------|
| Shapiro-Wilk W Test |        |
| W                   | Prob<W |
| 0.948772            | 0.0142 |

Co By LCODE



Analysis  Display

Quantiles

| Level | minimum | 10.0% | 25.0% | median | 75.0%  | 90.0% | maximum |
|-------|---------|-------|-------|--------|--------|-------|---------|
| D     | 4100    | 4180  | 6400  | 7300   | 7850   | 9320  | 9800    |
| O     | 4700    | 5160  | 7000  | 8100   | 9100   | 9280  | 9300    |
| P     | 2600    | 3570  | 5500  | 7050   | 7962.5 | 8775  | 10000   |

Oneway Anova

Means and Std Deviations

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| D     | 13     | 7030.77 | 1561.72 | 433.14       |
| O     | 11     | 7836.36 | 1357.40 | 409.27       |
| P     | 46     | 6648.91 | 1805.72 | 266.24       |

Means Comparisons

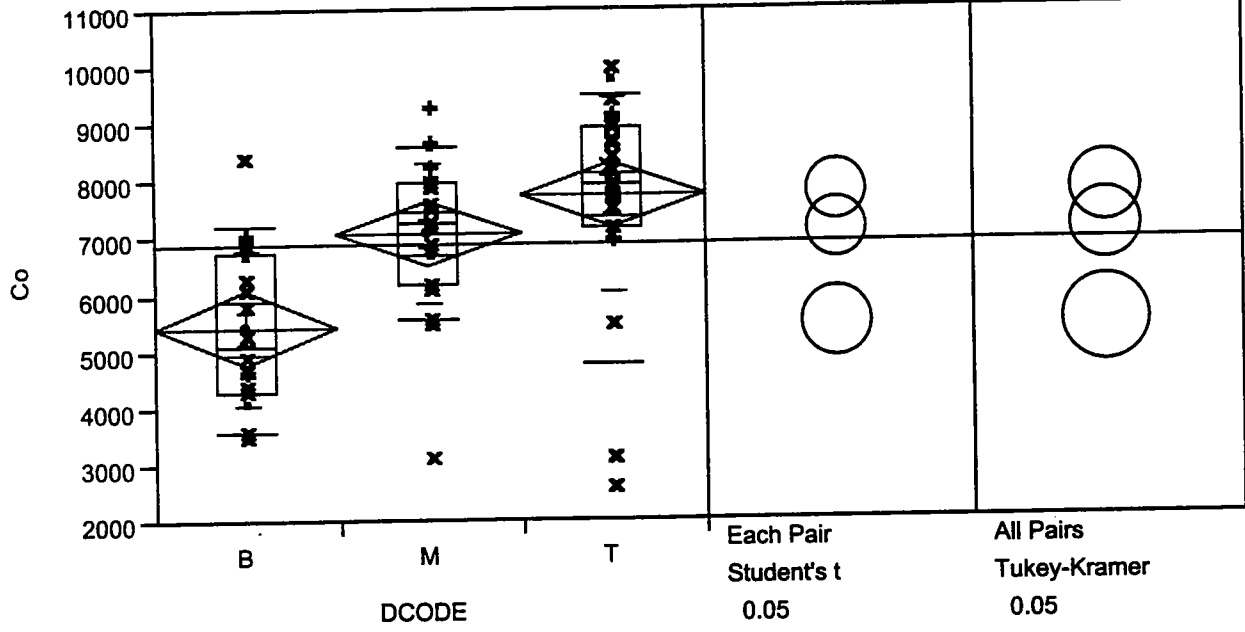
Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| D     | 13    | 462.5     | 35.5769    | 0.008             |
| O     | 11    | 520.5     | 47.3182    | 2.091             |
| P     | 46    | 1502      | 32.6522    | -1.615            |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 4.6139    | 2  | 0.0996     |

Co By DCODE



Analysis Display

Quantiles

| Level | minimum | 10.0% | 25.0% | median | 75.0%  | 90.0% | maximum |
|-------|---------|-------|-------|--------|--------|-------|---------|
| B     | 3500    | 3590  | 4300  | 5100   | 6750   | 7230  | 8400    |
| M     | 3100    | 5570  | 6200  | 7300   | 8000   | 8630  | 9300    |
| T     | 2600    | 4780  | 7200  | 7925   | 8962.5 | 9520  | 10000   |

Oneway Anova

Means and Std Deviations

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| B     | 18     | 5450.00 | 1393.37 | 328.42       |
| M     | 26     | 7088.46 | 1277.29 | 250.50       |
| T     | 26     | 7732.69 | 1750.43 | 343.29       |

Means Comparisons

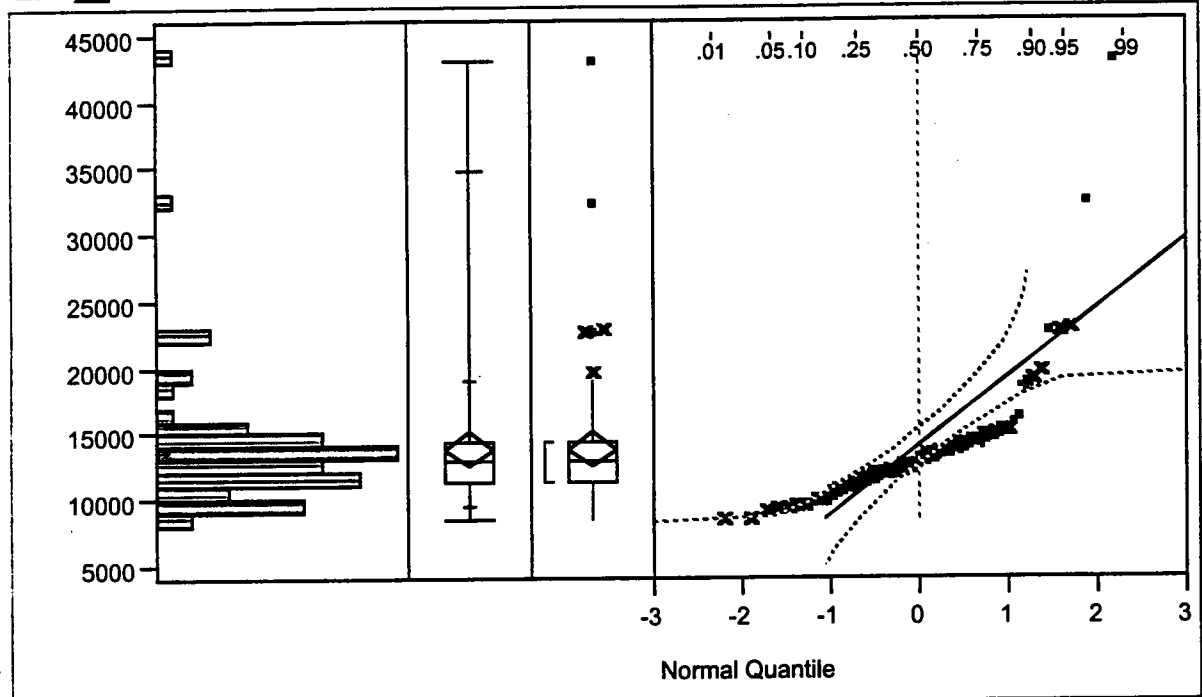
Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| B     | 18    | 320.5     | 17.8056    | -4.275            |
| M     | 26    | 945       | 36.3462    | 0.261             |
| T     | 26    | 1219.5    | 46.9038    | 3.599             |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 21.8326   | 2  | <.0001     |

Cu



**Quantiles**

|          |        |       |
|----------|--------|-------|
| maximum  | 100.0% | 43100 |
|          | 99.5%  | 43100 |
|          | 97.5%  | 34807 |
|          | 90.0%  | 18970 |
| quartile | 75.0%  | 14425 |
| median   | 50.0%  | 13000 |
| quartile | 25.0%  | 11350 |
|          | 10.0%  | 9610  |
|          | 2.5%   | 8578  |
|          | 0.5%   | 8500  |
| minimum  | 0.0%   | 8500  |

**Moments**

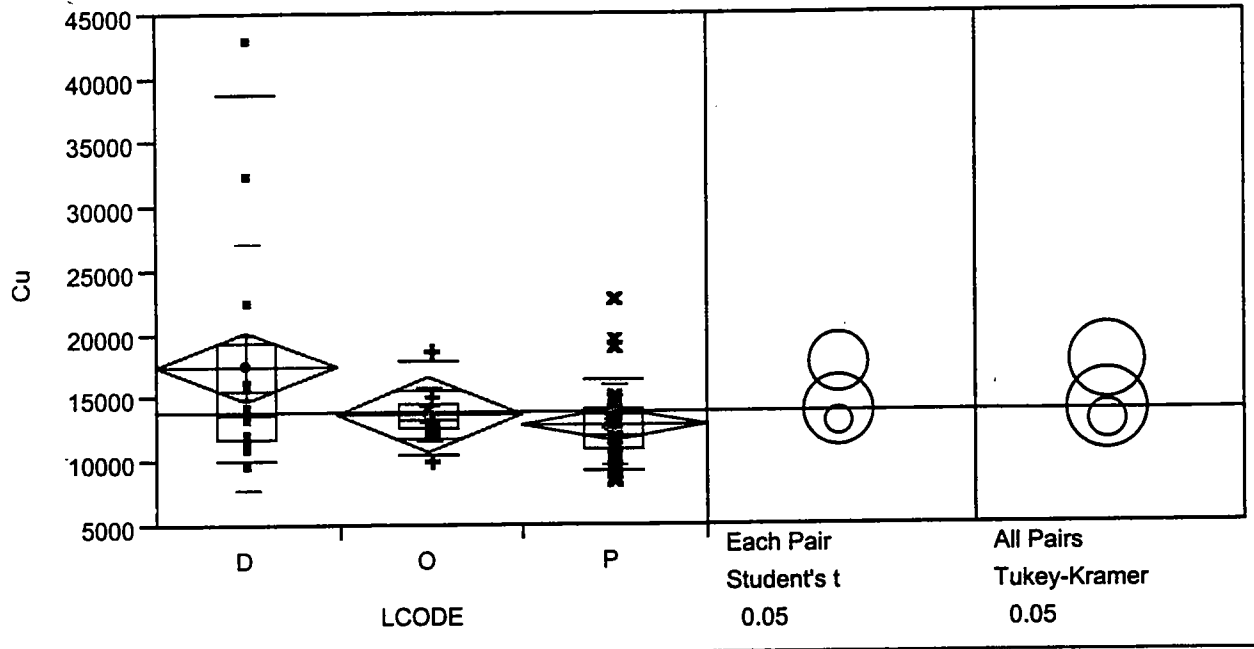
|                |           |
|----------------|-----------|
| Mean           | 13866.43  |
| Std Dev        | 5207.46   |
| Std Error Mean | 622.41    |
| Upper 95% Mean | 15108.11  |
| Lower 95% Mean | 12624.75  |
| N              | 70.00     |
| Sum Weights    | 70.00     |
| Sum            | 970650.00 |
| Variance       | 27117661  |
| Skewness       | 3.44      |
| Kurtosis       | 15.66     |
| CV             | 37.55     |

**Test for Normality**

Shapiro-Wilk W Test

|          |        |
|----------|--------|
| W        | Prob<W |
| 0.682431 | 0.0000 |

**Cu By LCODE**



Analysis Display

**Quantiles**

| Level | minimum | 10.0% | 25.0% | median | 75.0% | 90.0% | maximum |
|-------|---------|-------|-------|--------|-------|-------|---------|
| D     | 9700    | 10180 | 11800 | 13800  | 19400 | 38820 | 43100   |
| O     | 10100   | 10520 | 12600 | 13300  | 14500 | 18000 | 18700   |
| P     | 8500    | 9370  | 10925 | 12150  | 14250 | 16410 | 22800   |

**Oneway Anova**

**Means and Std Deviations**

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| D     | 13     | 17630.8 | 9725.34 | 2697.3       |
| O     | 11     | 13645.5 | 2131.37 | 642.6        |
| P     | 46     | 12855.4 | 3193.52 | 470.9        |

**Means Comparisons**

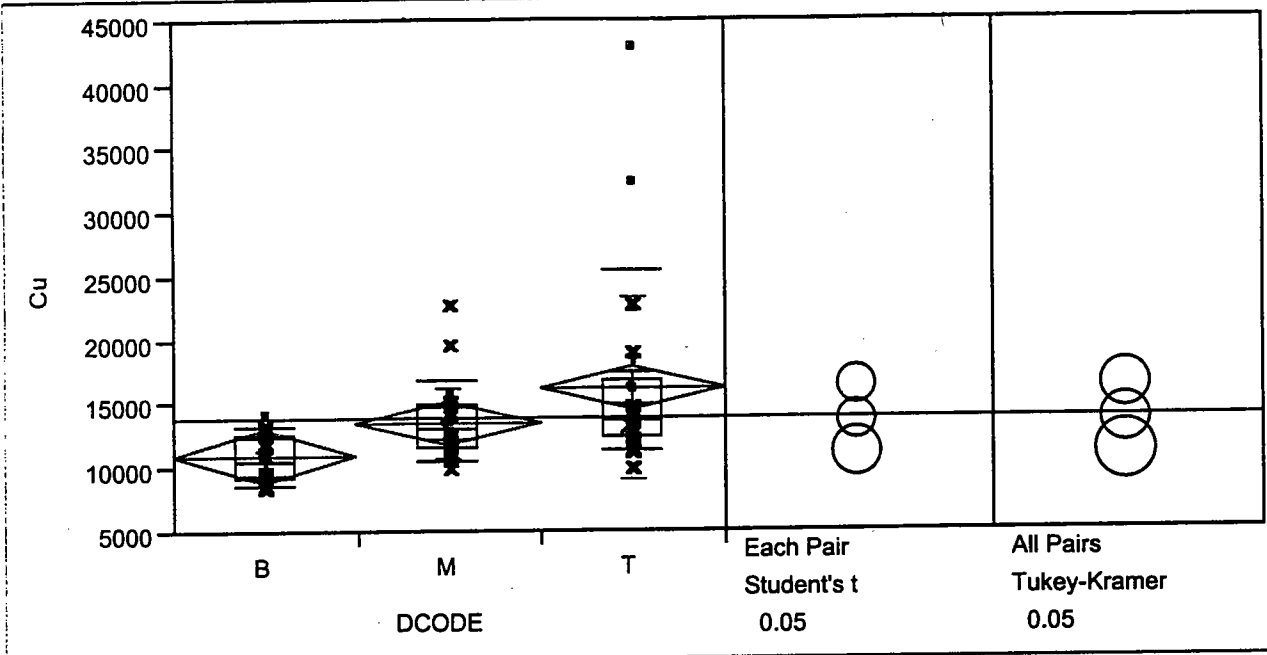
**Wilcoxon / Kruskal-Wallis Tests (Rank Sums)**

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| D     | 13    | 579       | 44.5385    | 1.767             |
| O     | 11    | 449.5     | 40.8636    | 0.944             |
| P     | 46    | 1456.5    | 31.6630    | -2.178            |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 4.9661    | 2  | 0.0835     |

**Cu By DCODE**



Analysis  Display

**Quantiles**

| Level | minimum | 10.0% | 25.0% | median | 75.0% | 90.0% | maximum |
|-------|---------|-------|-------|--------|-------|-------|---------|
| B     | 8500    | 8590  | 9375  | 10550  | 12700 | 13400 | 14300   |
| M     | 9900    | 10670 | 11550 | 13200  | 15050 | 16940 | 22800   |
| T     | 9900    | 11410 | 12500 | 13825  | 16825 | 25610 | 43100   |

**Oneway Anova**

**Means and Std Deviations**

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| B     | 18     | 10911.1 | 1818.50 | 428.6        |
| M     | 26     | 13557.7 | 2849.59 | 558.8        |
| T     | 26     | 16221.2 | 7233.38 | 1418.6       |

**Means Comparisons**

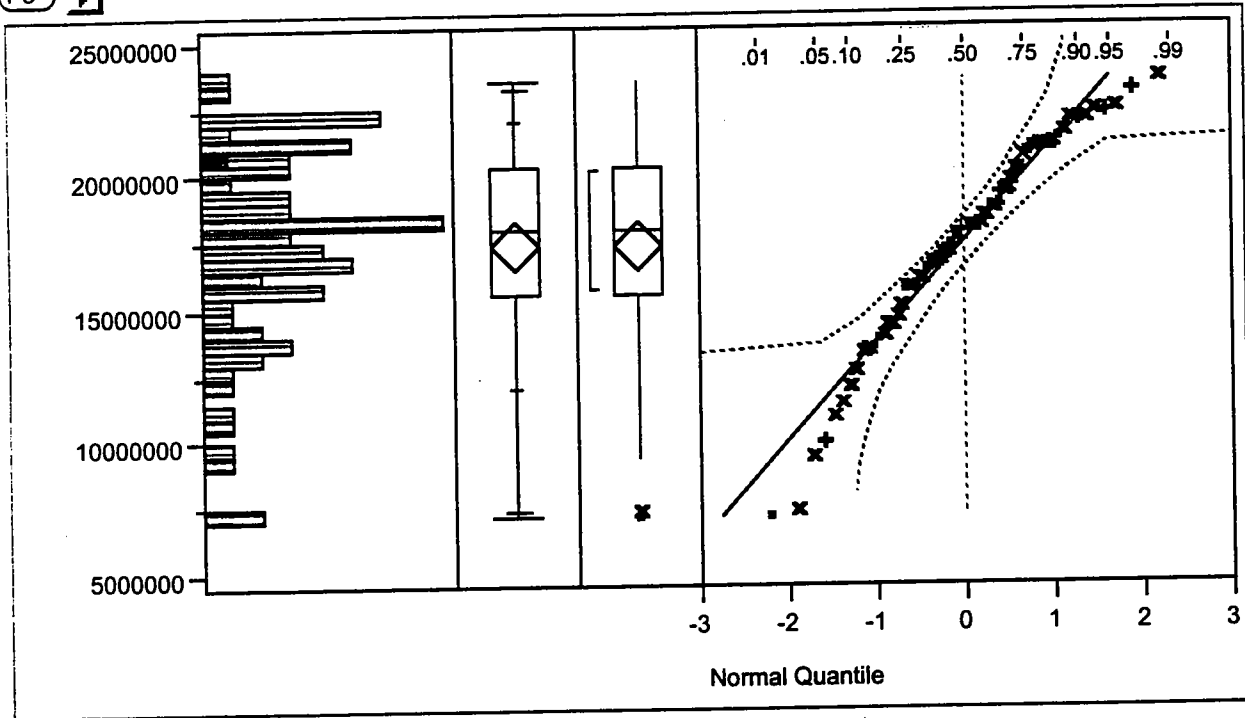
**Wilcoxon / Kruskal-Wallis Tests (Rank Sums)**

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| B     | 18    | 327       | 18.1667    | -4.187            |
| M     | 26    | 991       | 38.1154    | 0.821             |
| T     | 26    | 1167      | 44.8846    | 2.960             |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 19.0257   | 2  | <.0001     |

Fe



**Quantiles**

|          |        |         |
|----------|--------|---------|
| maximum  | 100.0% | 2.35e+7 |
|          | 99.5%  | 2.35e+7 |
|          | 97.5%  | 2.319e7 |
|          | 90.0%  | 2.2e+7  |
| quartile | 75.0%  | 2.028e7 |
| median   | 50.0%  | 1.795e7 |
| quartile | 25.0%  | 1.56e+7 |
|          | 10.0%  | 1.206e7 |
|          | 2.5%   | 7327250 |
|          | 0.5%   | 7180000 |
| minimum  | 0.0%   | 7180000 |

**Moments**

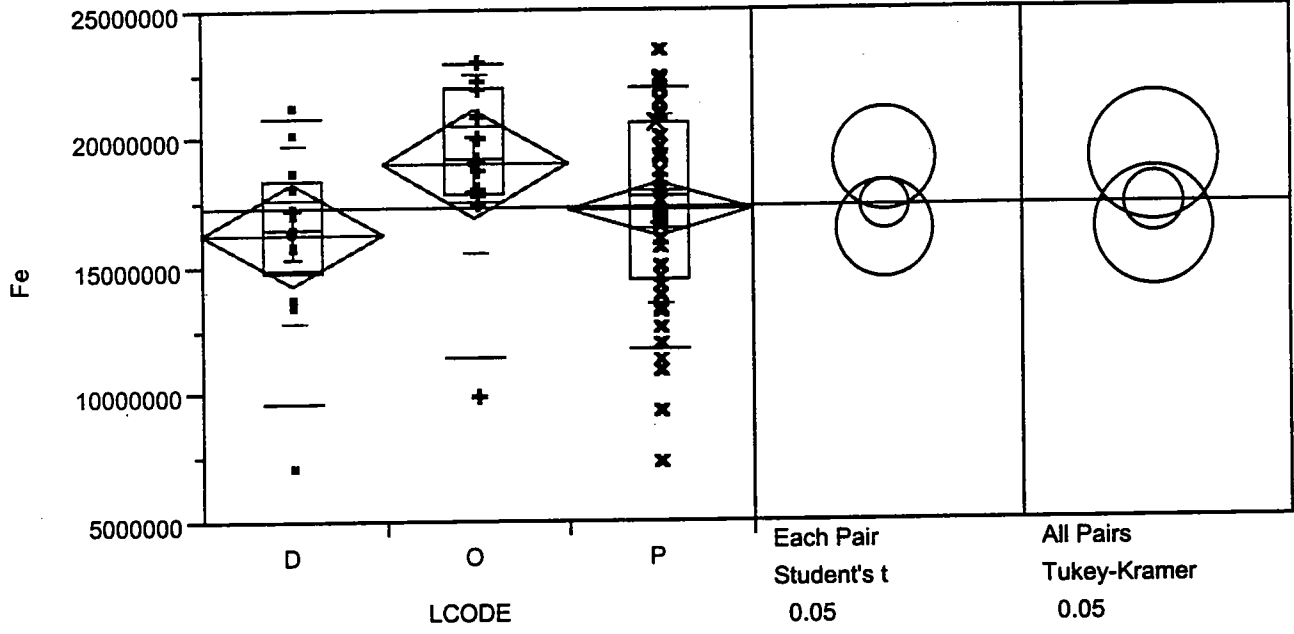
|                |           |
|----------------|-----------|
| Mean           | 17363929  |
| Std Dev        | 3714209   |
| Std Error Mean | 443933    |
| Upper 95% Mean | 18249552  |
| Lower 95% Mean | 16478305  |
| N              | 70        |
| Sum Weights    | 70        |
| Sum            | 1.21548e9 |
| Variance       | 1.3795e13 |
| Skewness       | -1        |
| Kurtosis       | 0         |
| CV             | 21        |

**Test for Normality**

|                     |        |
|---------------------|--------|
| Shapiro-Wilk W Test |        |
| W                   | Prob<W |
| 0.948334            | 0.0133 |



**Fe By LCODE**



Analysis  Display

**Quantiles**

| Level | minimum | 10.0%    | 25.0%    | median   | 75.0%    | 90.0%    | maximum  |
|-------|---------|----------|----------|----------|----------|----------|----------|
| D     | 7180000 | 9708000  | 14800000 | 16500000 | 18400000 | 20860000 | 21300000 |
| O     | 9990000 | 11512000 | 17900000 | 19300000 | 22000000 | 22940000 | 23100000 |
| P     | 7370000 | 11820000 | 14525000 | 17800000 | 20600000 | 22015000 | 23500000 |

**Oneway Anova**

**Means and Std Deviations**

| Level | Number | Mean     | Std Dev | Std Err Mean |
|-------|--------|----------|---------|--------------|
| D     | 13     | 16306154 | 3521528 | 976696       |
| O     | 11     | 19099091 | 3559524 | 1073237      |
| P     | 46     | 17247935 | 3735951 | 550836       |

**Means Comparisons**

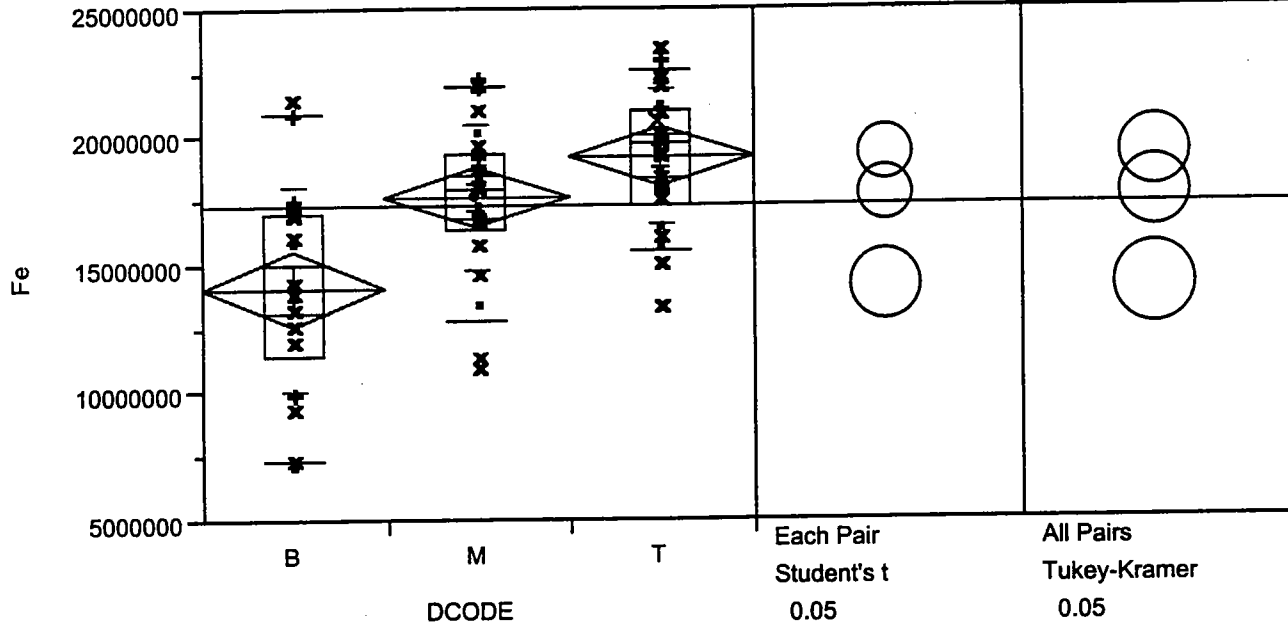
**Wilcoxon / Kruskal-Wallis Tests (Rank Sums)**

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| D     | 13    | 374       | 28.7692    | -1.314            |
| O     | 11    | 512       | 46.5455    | 1.953             |
| P     | 46    | 1599      | 34.7609    | -0.415            |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 4.7253    | 2  | 0.0942     |

**Fe By DCODE**



Analysis Display

**Quantiles**

| Level | minimum  | 10.0%    | 25.0%    | median   | 75.0%    | 90.0%    | maximum  |
|-------|----------|----------|----------|----------|----------|----------|----------|
| B     | 7180000  | 7351000  | 11497500 | 14100000 | 17025000 | 20960000 | 21500000 |
| M     | 10900000 | 12870000 | 16400000 | 18000000 | 19400000 | 22000000 | 22300000 |
| T     | 13400000 | 15560000 | 17325000 | 19750000 | 21075000 | 22610000 | 23500000 |

**Oneway Anova**

**Means and Std Deviations**

| Level | Number | Mean     | Std Dev | Std Err Mean |
|-------|--------|----------|---------|--------------|
| B     | 18     | 14123611 | 4041713 | 952641       |
| M     | 26     | 17665385 | 2895782 | 567910       |
| T     | 26     | 19305769 | 2646822 | 519084       |

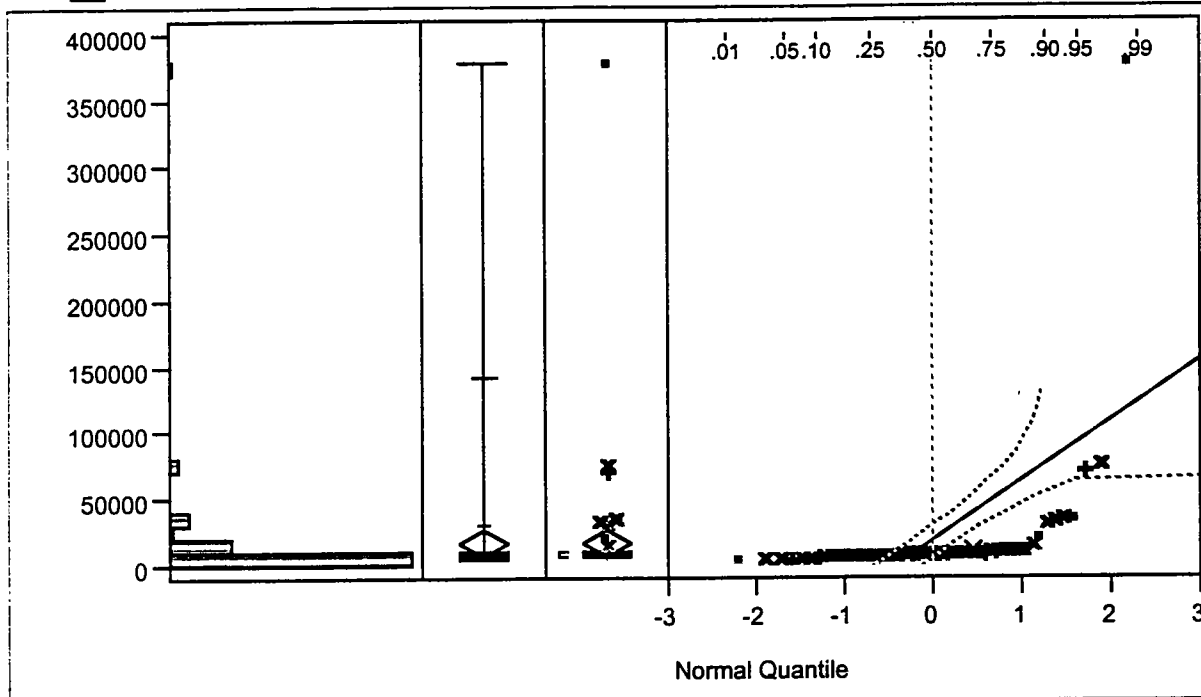
**Means Comparisons**

**Wilcoxon / Kruskal-Wallis Tests (Rank Sums)**

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| B     | 18    | 342       | 19.0000    | -3.985            |
| M     | 26    | 947.5     | 36.4423    | 0.292             |
| T     | 26    | 1195.5    | 45.9808    | 3.307             |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 18.7929   | 2  | <.0001     |



**Quantiles**

|          |        |        |
|----------|--------|--------|
| maximum  | 100.0% | 379000 |
|          | 99.5%  | 379000 |
|          | 97.5%  | 143400 |
|          | 90.0%  | 30840  |
| quartile | 75.0%  | 10325  |
| median   | 50.0%  | 8750   |
| quartile | 25.0%  | 7575   |
|          | 10.0%  | 6110   |
|          | 2.5%   | 5110   |
|          | 0.5%   | 4800   |
| minimum  | 0.0%   | 4800   |

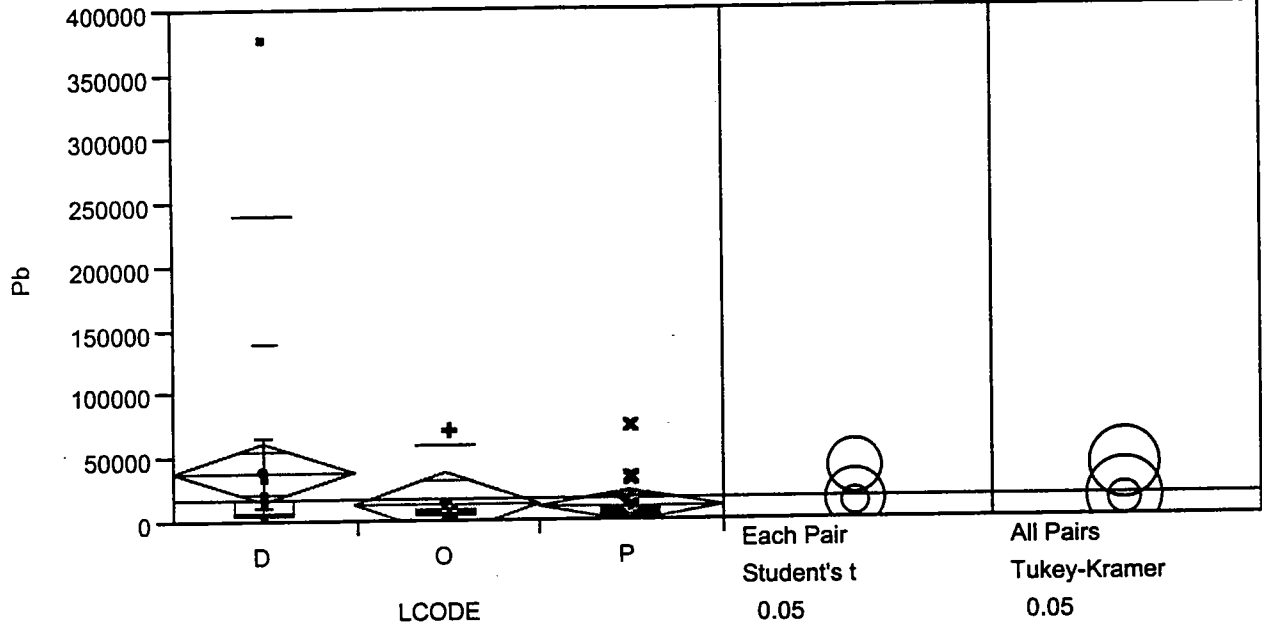
**Moments**

|                |           |
|----------------|-----------|
| Mean           | 17320.00  |
| Std Dev        | 45573.49  |
| Std Error Mean | 5447.07   |
| Upper 95% Mean | 28186.64  |
| Lower 95% Mean | 6453.36   |
| N              | 70.00     |
| Sum Weights    | 70.00     |
| Sum            | 1212400   |
| Variance       | 2.07694e9 |
| Skewness       | 7.51      |
| Kurtosis       | 59.66     |
| CV             | 263.13    |

**Test for Normality**

|                     |        |
|---------------------|--------|
| Shapiro-Wilk W Test |        |
| W                   | Prob<W |
| 0.244661            | 0.0000 |

**Pb By LCODE**



Analysis  Display

**Quantiles**

| Level | minimum | 10.0% | 25.0% | median | 75.0% | 90.0%  | maximum |
|-------|---------|-------|-------|--------|-------|--------|---------|
| D     | 4800    | 5640  | 7850  | 8200   | 17050 | 241680 | 379000  |
| O     | 5500    | 5620  | 7700  | 8900   | 10100 | 59660  | 71900   |
| P     | 5200    | 6170  | 6925  | 8750   | 10325 | 20490  | 75000   |

**Oneway Anova**

**Means and Std Deviations**

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| D     | 13     | 39984.6 | 102195  | 28344        |
| O     | 11     | 14154.5 | 19213   | 5793         |
| P     | 46     | 11671.7 | 11581   | 1707         |

**Means Comparisons**

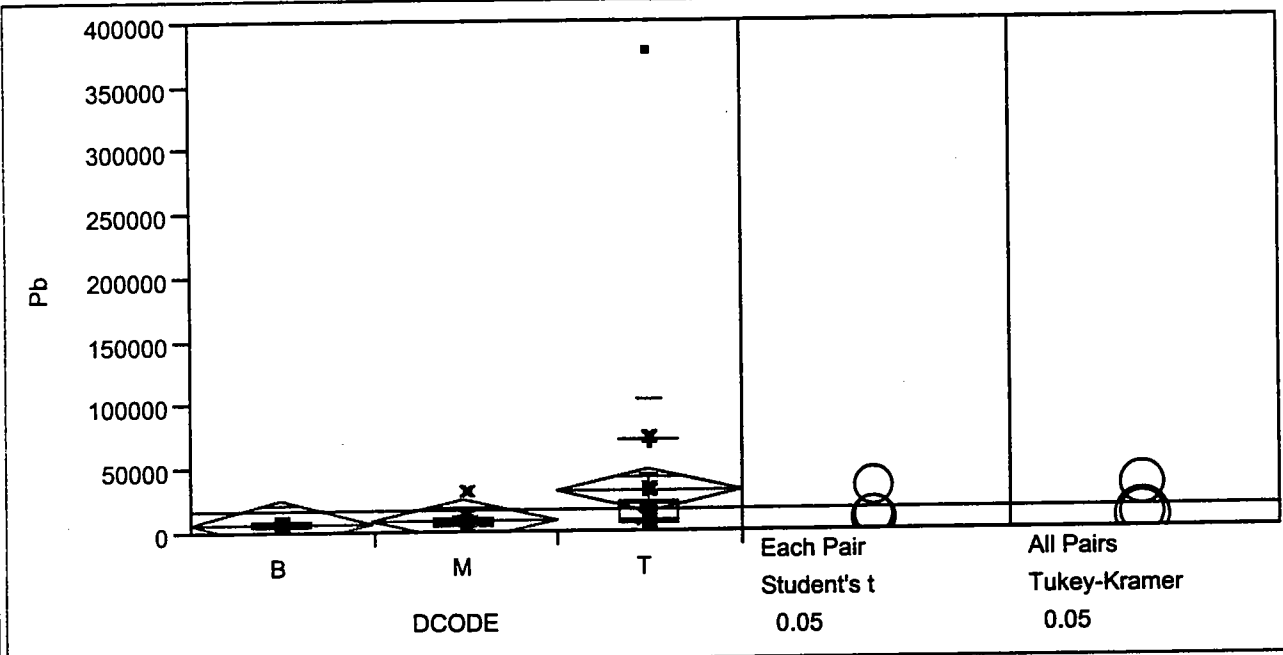
**Wilcoxon / Kruskal-Wallis Tests (Rank Sums)**

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| D     | 13    | 492       | 37.8462    | 0.453             |
| O     | 11    | 378       | 34.3636    | -0.194            |
| P     | 46    | 1615      | 35.1087    | -0.217            |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 0.2242    | 2  | 0.8940     |

**Pb By DCODE**



Analysis  Display

**Quantiles**

| Level | minimum | 10.0% | 25.0% | median | 75.0% | 90.0% | maximum |
|-------|---------|-------|-------|--------|-------|-------|---------|
| B     | 4800    | 5160  | 5950  | 6750   | 8450  | 9470  | 10100   |
| M     | 6100    | 6200  | 7650  | 8550   | 9475  | 12240 | 31900   |
| T     | 7600    | 8125  | 9125  | 10450  | 24325 | 72830 | 379000  |

**Oneway Anova**

**Means and Std Deviations**

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| B     | 18     | 7088.9  | 1522.7  | 359          |
| M     | 26     | 9523.1  | 4960.3  | 973          |
| T     | 26     | 32200.0 | 73057.0 | 14328        |

**Means Comparisons**

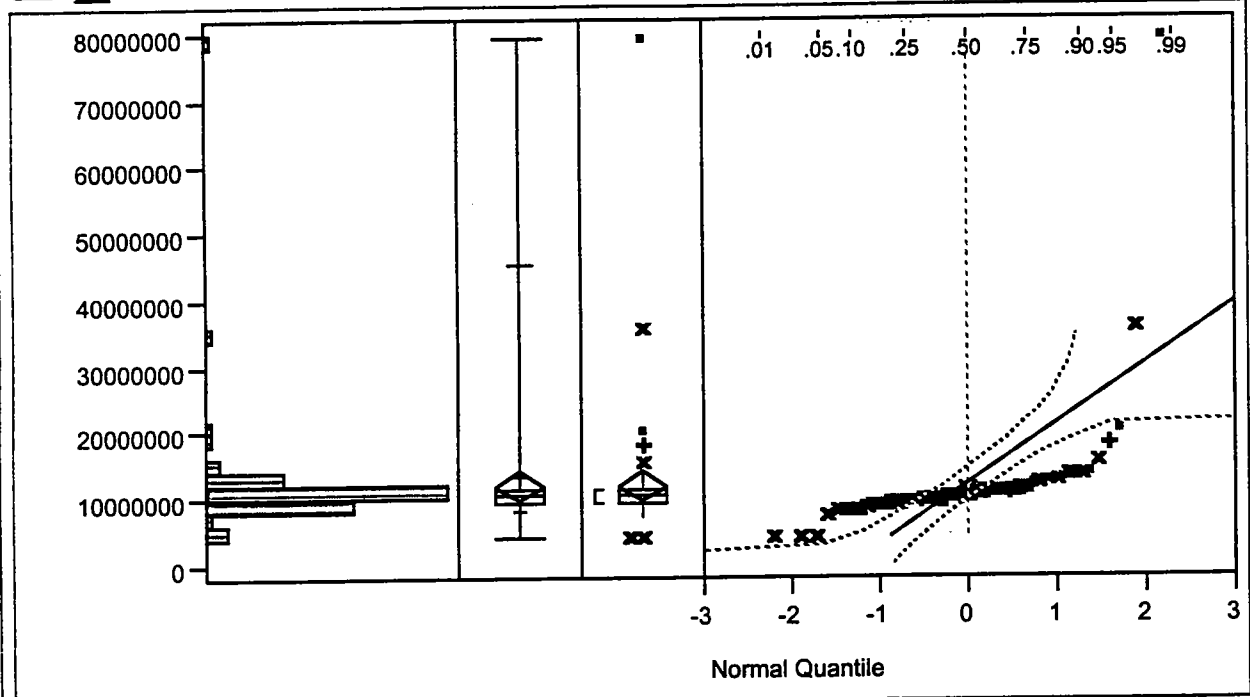
**Wilcoxon / Kruskal-Wallis Tests (Rank Sums)**

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| B     | 18    | 327.5     | 18.1944    | -4.180            |
| M     | 26    | 850       | 32.6923    | -0.881            |
| T     | 26    | 1307.5    | 50.2885    | 4.669             |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 27.2531   | 2  | <.0001     |

Mg



**Quantiles**

|          |        |         |
|----------|--------|---------|
| maximum  | 100.0% | 7.95e+7 |
|          | 99.5%  | 7.95e+7 |
|          | 97.5%  | 4.552e7 |
|          | 90.0%  | 1.36e+7 |
| quartile | 75.0%  | 1.158e7 |
| median   | 50.0%  | 1.055e7 |
| quartile | 25.0%  | 9685000 |
|          | 10.0%  | 8361000 |
|          | 2.5%   | 4301000 |
|          | 0.5%   | 4270000 |
| minimum  | 0.0%   | 4270000 |

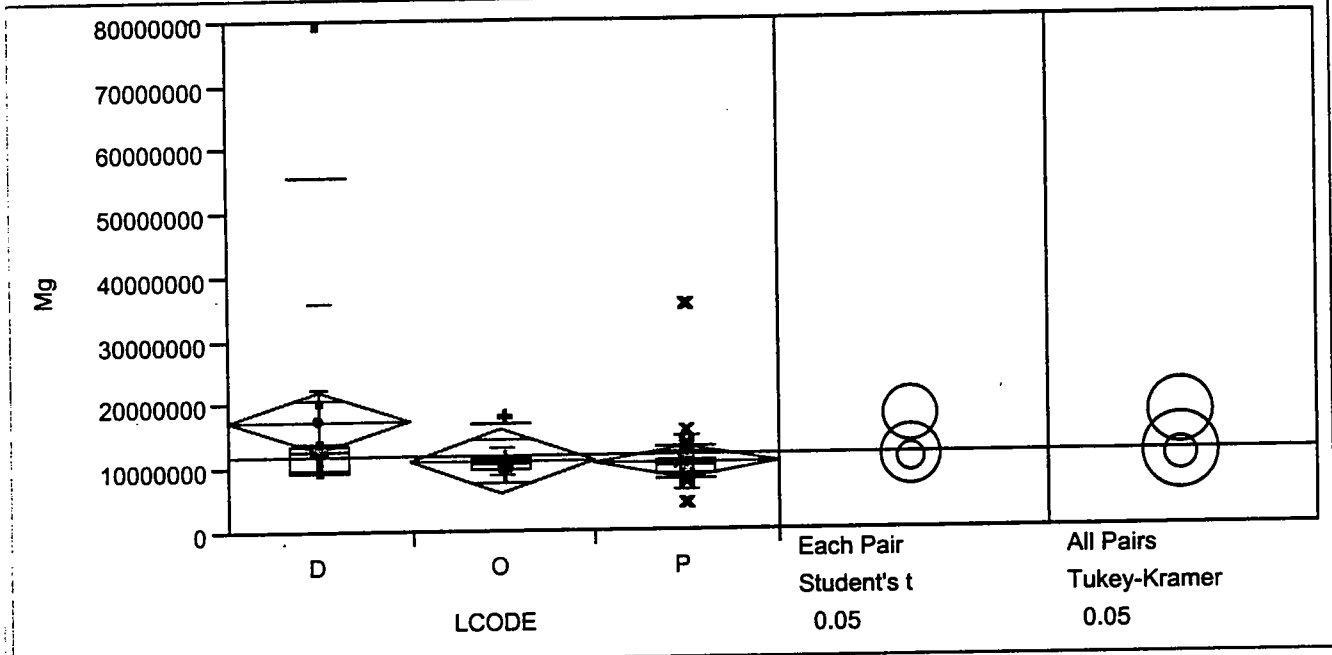
**Moments**

|                |           |
|----------------|-----------|
| Mean           | 12039571  |
| Std Dev        | 9060217   |
| Std Error Mean | 1082903   |
| Upper 95% Mean | 14199908  |
| Lower 95% Mean | 9879235   |
| N              | 70        |
| Sum Weights    | 70        |
| Sum            | 842770000 |
| Variance       | 8.2088e13 |
| Skewness       | 6         |
| Kurtosis       | 46        |
| CV             | 75        |

**Test for Normality**

|                     |        |
|---------------------|--------|
| Shapiro-Wilk W Test |        |
| W                   | Prob<W |
| 0.387958            | 0.0000 |

**Mg By LCODE**



Analysis Display

**Quantiles**

| Level | minimum | 10.0%   | 25.0%    | median   | 75.0%    | 90.0%    | maximum  |
|-------|---------|---------|----------|----------|----------|----------|----------|
| D     | 9410000 | 9526000 | 9800000  | 12700000 | 13550000 | 55940000 | 79500000 |
| O     | 9640000 | 9692000 | 10000000 | 10700000 | 11400000 | 17160000 | 18500000 |
| P     | 4270000 | 8024000 | 9147500  | 10300000 | 11125000 | 13460000 | 35650000 |

**Oneway Anova**

**Means and Std Deviations**

| Level | Number | Mean     | Std Dev  | Std Err Mean |
|-------|--------|----------|----------|--------------|
| D     | 13     | 17500769 | 18854410 | 5229272      |
| O     | 11     | 11367273 | 2476405  | 746664       |
| P     | 46     | 10656957 | 4362011  | 643143       |

**Means Comparisons**

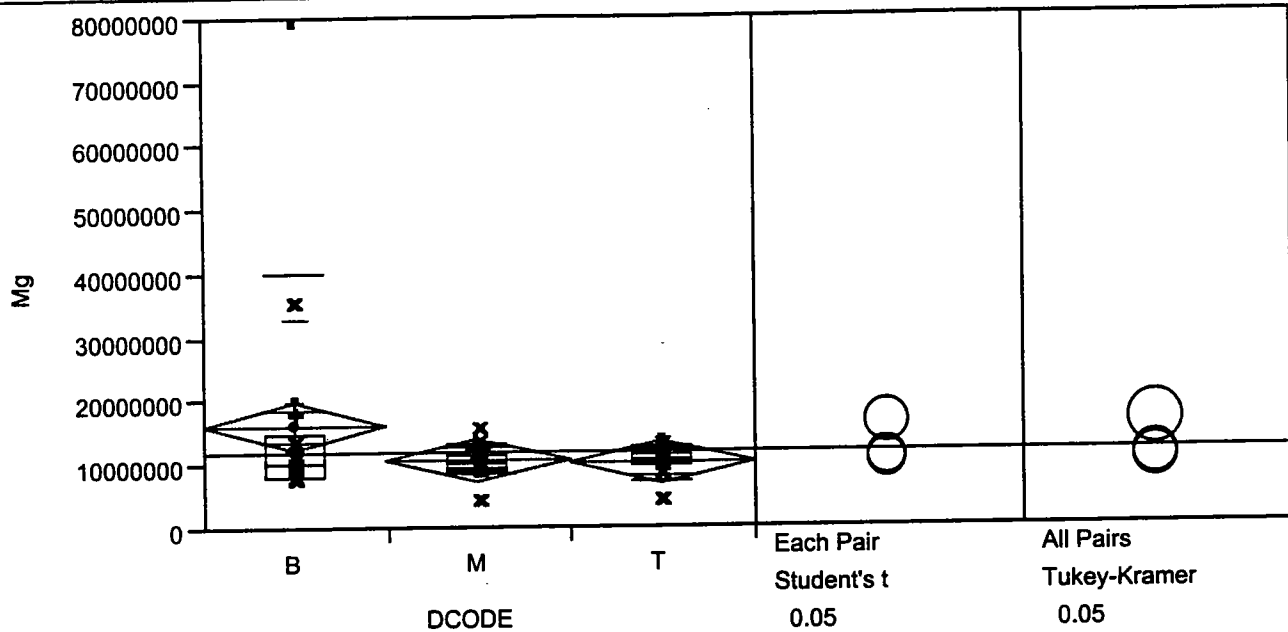
**Wilcoxon / Kruskal-Wallis Tests (Rank Sums)**

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| D     | 13    | 614       | 47.2308    | 2.296             |
| O     | 11    | 432       | 39.2727    | 0.662             |
| P     | 46    | 1439      | 31.2826    | -2.395            |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 6.6772    | 2  | 0.0355     |

**Mg By DCODE**



Analysis  Display

**Quantiles**

| Level | minimum | 10.0%   | 25.0%    | median   | 75.0%    | 90.0%    | maximum  |
|-------|---------|---------|----------|----------|----------|----------|----------|
| B     | 7660000 | 8128000 | 8367500  | 10500000 | 14825000 | 40035000 | 79500000 |
| M     | 4270000 | 8987000 | 9577500  | 10300000 | 11575000 | 13110000 | 15700000 |
| T     | 4310000 | 7493000 | 10000000 | 10650000 | 11400000 | 12980000 | 14000000 |

**Oneway Anova**

**Means and Std Deviations**

| Level | Number | Mean     | Std Dev  | Std Err Mean |
|-------|--------|----------|----------|--------------|
| B     | 18     | 16360000 | 17128762 | 4037288      |
| M     | 26     | 10597692 | 2052418  | 402512       |
| T     | 26     | 10490385 | 2177882  | 427118       |

**Means Comparisons**

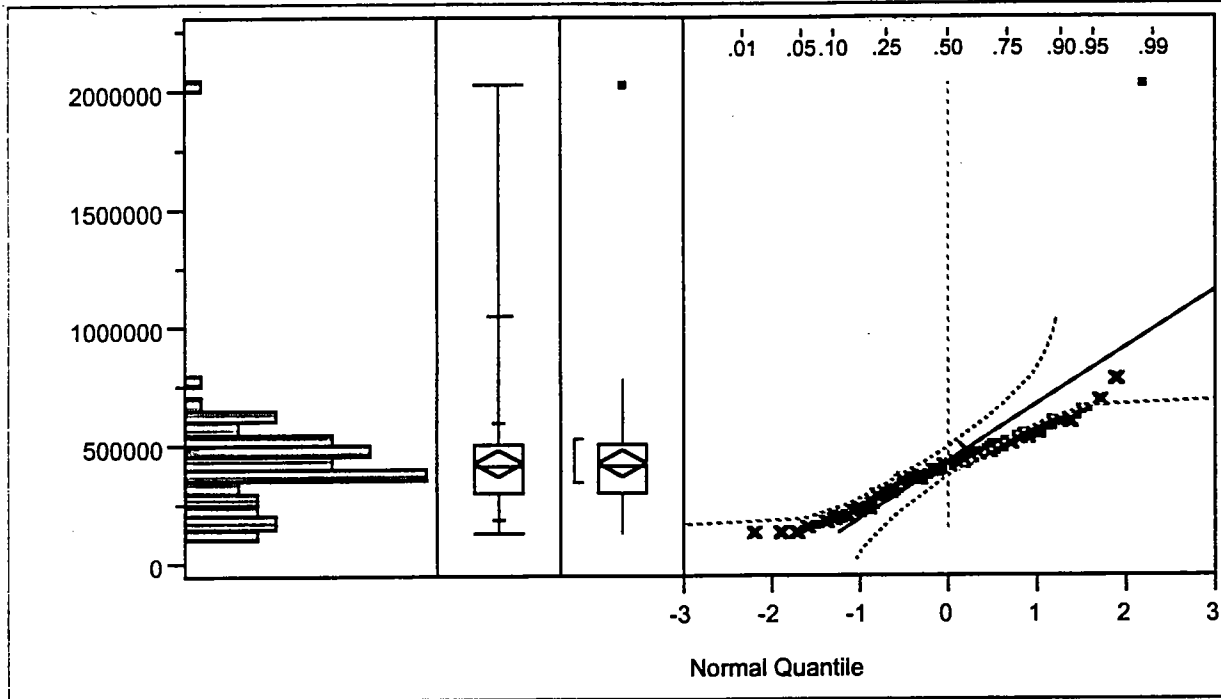
**(Wilcoxon / Kruskal-Wallis Tests (Rank Sums))**

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| B     | 18    | 652       | 36.2222    | 0.168             |
| M     | 26    | 883.5     | 33.9808    | -0.474            |
| T     | 26    | 949.5     | 36.5192    | 0.316             |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 0.2329    | 2  | 0.8901     |





**Quantiles**

|          |        |         |
|----------|--------|---------|
| maximum  | 100.0% | 2030000 |
|          | 99.5%  | 2030000 |
|          | 97.5%  | 1056600 |
|          | 90.0%  | 601800  |
| quartile | 75.0%  | 505000  |
| median   | 50.0%  | 415500  |
| quartile | 25.0%  | 304250  |
|          | 10.0%  | 185300  |
|          | 2.5%   | 135100  |
|          | 0.5%   | 132000  |
| minimum  | 0.0%   | 132000  |

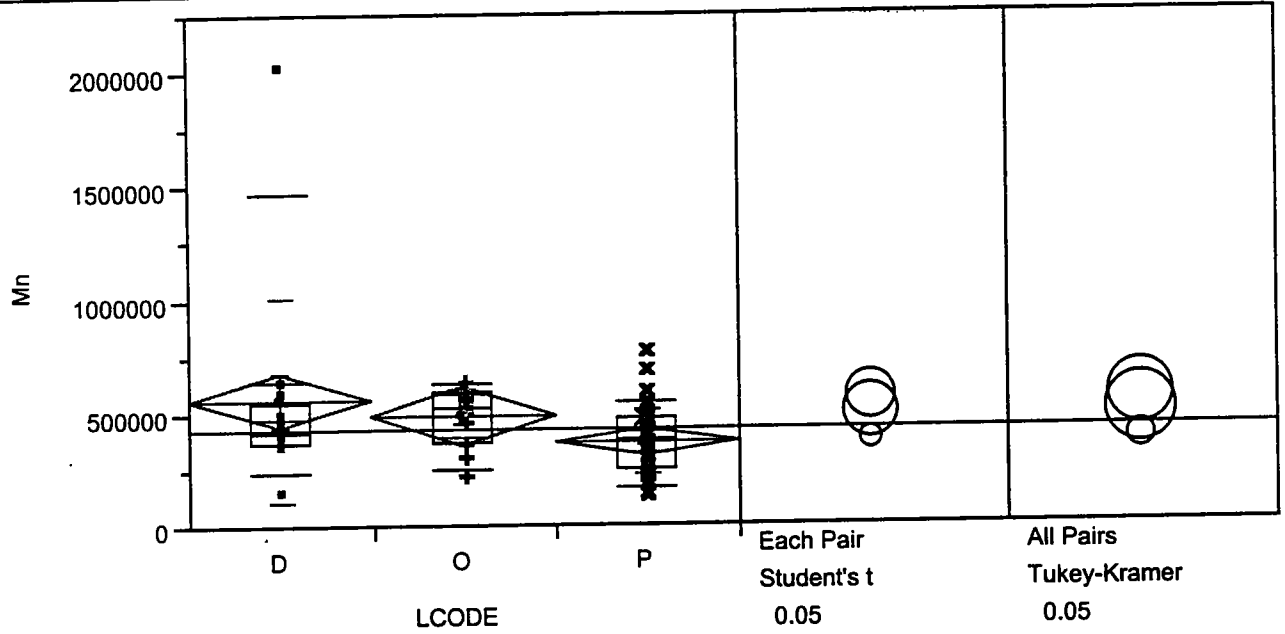
**Moments**

|                |           |
|----------------|-----------|
| Mean           | 427092.9  |
| Std Dev        | 242704.8  |
| Std Error Mean | 29008.8   |
| Upper 95% Mean | 484963.9  |
| Lower 95% Mean | 369221.8  |
| N              | 70.0      |
| Sum Weights    | 70.0      |
| Sum            | 29896500  |
| Variance       | 5.8906e10 |
| Skewness       | 4.2       |
| Kurtosis       | 27.3      |
| CV             | 56.8      |

**Test for Normality**

|                     |        |
|---------------------|--------|
| Shapiro-Wilk W Test |        |
| W                   | Prob<W |
| 0.691515            | 0.0000 |

Mn By LCODE



Analysis  Display

Quantiles

| Level | minimum | 10.0%  | 25.0%  | median | 75.0%  | 90.0%   | maximum |
|-------|---------|--------|--------|--------|--------|---------|---------|
| D     | 164000  | 240800 | 378000 | 423000 | 553500 | 1477600 | 2030000 |
| O     | 236000  | 250800 | 374000 | 524000 | 596000 | 633600  | 642000  |
| P     | 132000  | 170700 | 253000 | 380000 | 475250 | 546100  | 774000  |

Oneway Anova

Means and Std Deviations

| Level | Number | Mean   | Std Dev | Std Err Mean |
|-------|--------|--------|---------|--------------|
| D     | 13     | 558692 | 457691  | 126941       |
| O     | 11     | 487636 | 129903  | 39167        |
| P     | 46     | 375424 | 148601  | 21910        |

Means Comparisons

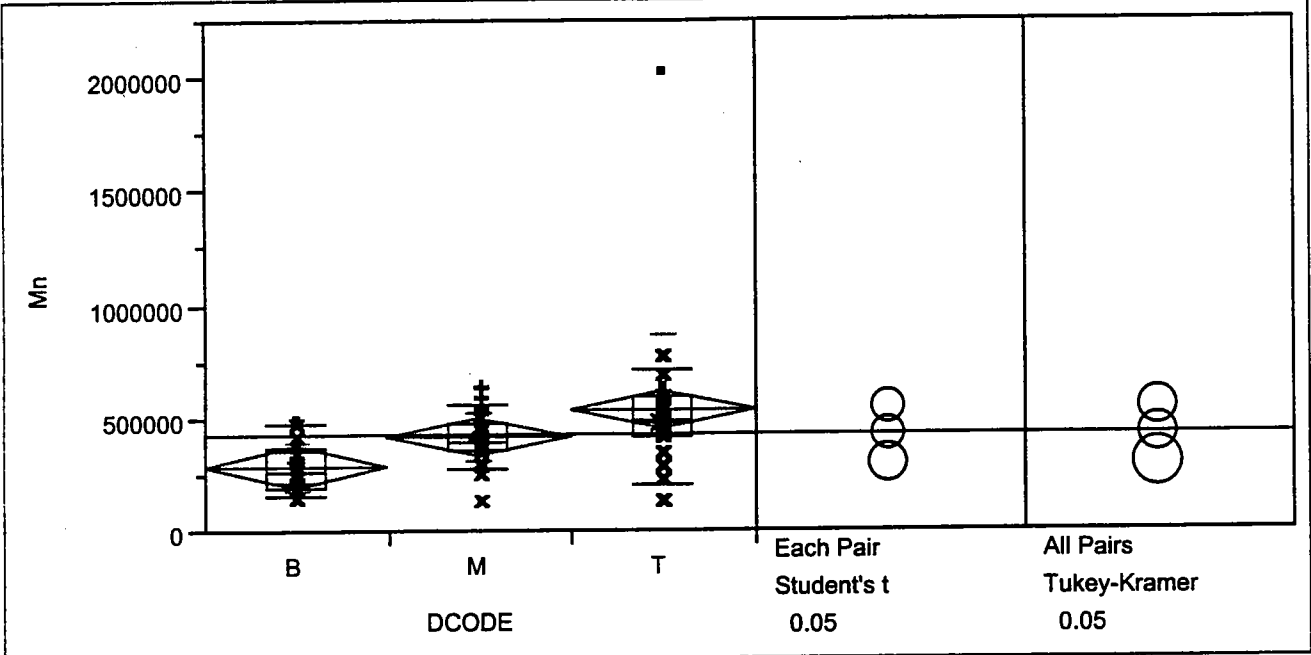
Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| D     | 13    | 546       | 42.0000    | 1.269             |
| O     | 11    | 521.5     | 47.4091    | 2.106             |
| P     | 46    | 1417.5    | 30.8152    | -2.660            |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 7.5315    | 2  | 0.0232     |

Mn By DCODE



Analysis Display

Quantiles

| Level | minimum | 10.0%  | 25.0%  | median | 75.0%  | 90.0%  | maximum |
|-------|---------|--------|--------|--------|--------|--------|---------|
| B     | 149000  | 162500 | 193750 | 267000 | 375500 | 481600 | 505000  |
| M     | 132000  | 283900 | 359750 | 402000 | 481000 | 561500 | 642000  |
| T     | 136000  | 203200 | 420250 | 490500 | 597500 | 716600 | 2030000 |

Oneway Anova

Means and Std Deviations

| Level | Number | Mean   | Std Dev | Std Err Mean |
|-------|--------|--------|---------|--------------|
| B     | 18     | 288500 | 109885  | 25900        |
| M     | 26     | 414885 | 108880  | 21353        |
| T     | 26     | 535250 | 341120  | 66899        |

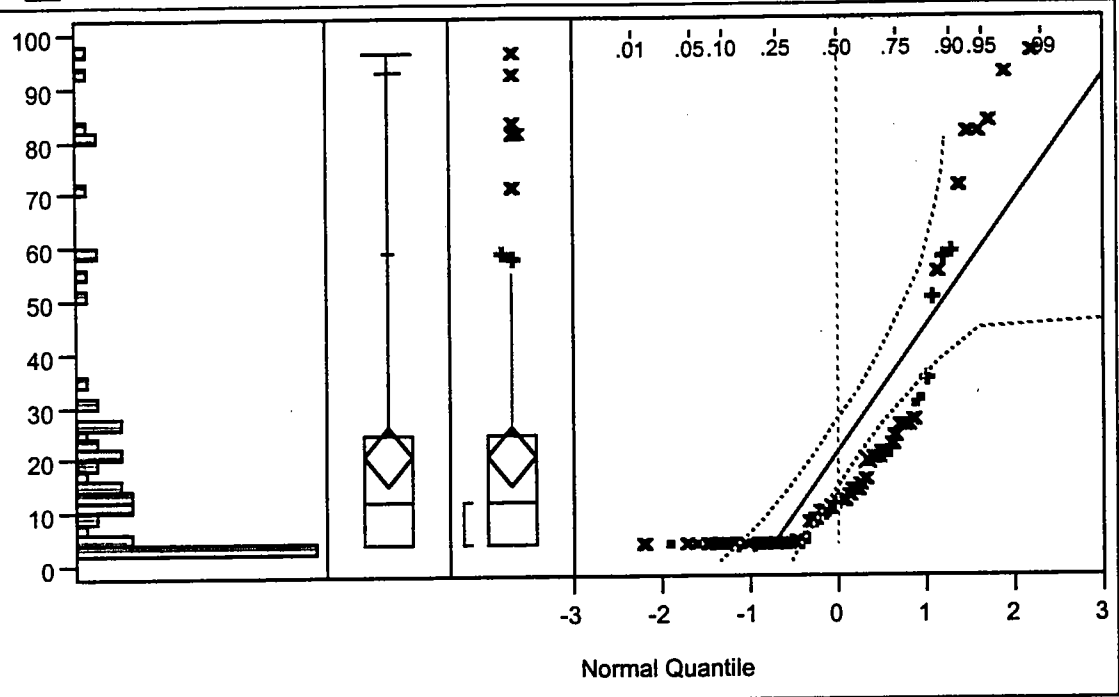
Means Comparisons

Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| B     | 18    | 350       | 19.4444    | -3.877            |
| M     | 26    | 935       | 35.9615    | 0.140             |
| T     | 26    | 1200      | 46.1538    | 3.361             |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 18.3444   | 2  | 0.0001     |



**Quantiles**

|          |        |        |
|----------|--------|--------|
| maximum  | 100.0% | 96.000 |
|          | 99.5%  | 96.000 |
|          | 97.5%  | 92.900 |
|          | 90.0%  | 58.900 |
| quartile | 75.0%  | 24.500 |
| median   | 50.0%  | 12.000 |
| quartile | 25.0%  | 3.850  |
|          | 10.0%  | 3.700  |
|          | 2.5%   | 3.639  |
|          | 0.5%   | 3.600  |
| minimum  | 0.0%   | 3.600  |

**Moments**

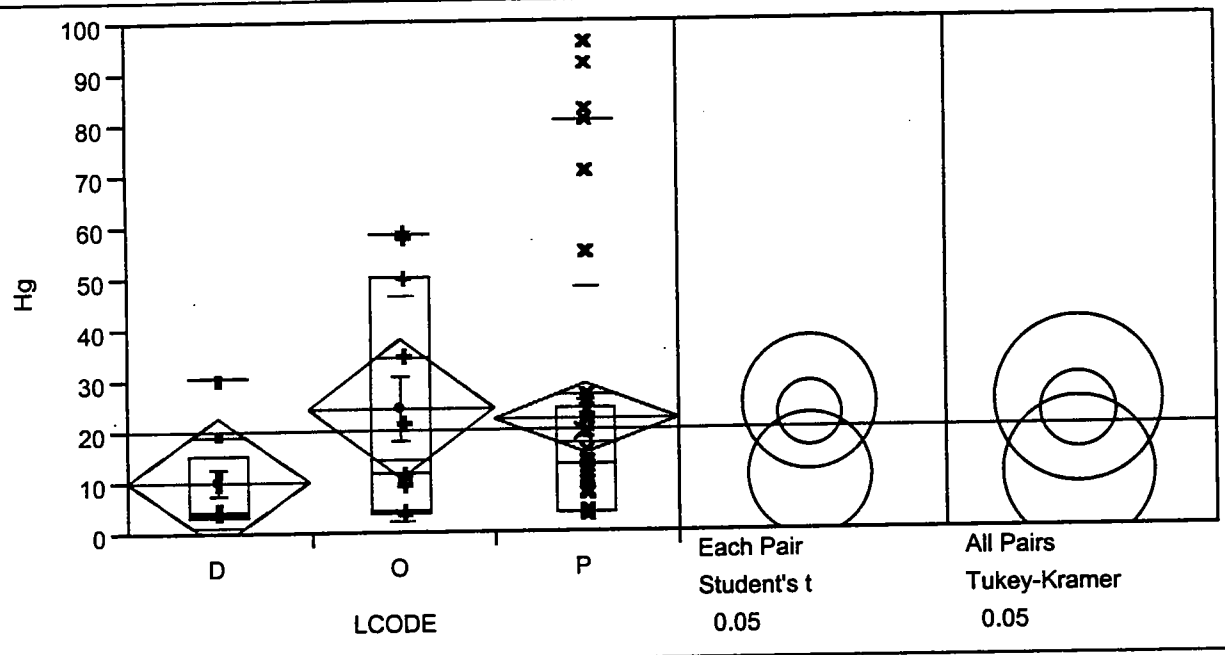
|                |           |
|----------------|-----------|
| Mean           | 20.40857  |
| Std Dev        | 23.69213  |
| Std Error Mean | 2.83175   |
| Upper 95% Mean | 26.05777  |
| Lower 95% Mean | 14.75937  |
| N              | 70.00000  |
| Sum Weights    | 70.00000  |
| Sum            | 1428.6    |
| Variance       | 561.31703 |
| Skewness       | 1.87523   |
| Kurtosis       | 2.70223   |
| CV             | 116.08912 |

**Test for Normality**

Shapiro-Wilk W Test

|          |        |
|----------|--------|
| W        | Prob<W |
| 0.706758 | 0.0000 |

Hg By LCODE



Analysis  Display

**Quantiles**

| Level | minimum | 10.0% | 25.0%  | median | 75.0% | 90.0% | maximum |
|-------|---------|-------|--------|--------|-------|-------|---------|
| D     | 3.65    | 3.67  | 3.775  | 4.65   | 15.5  | 30.6  | 31      |
| O     | 3.7     | 3.71  | 4.5    | 12     | 50    | 58.8  | 59      |
| P     | 3.6     | 3.7   | 3.8875 | 13.5   | 24.5  | 81    | 96      |

**Oneway Anova**

**Means and Std Deviations**

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| D     | 13     | 10.3038 | 10.0267 | 2.7809       |
| O     | 11     | 24.4500 | 22.1160 | 6.6682       |
| P     | 46     | 22.2978 | 26.2306 | 3.8675       |

**Means Comparisons**

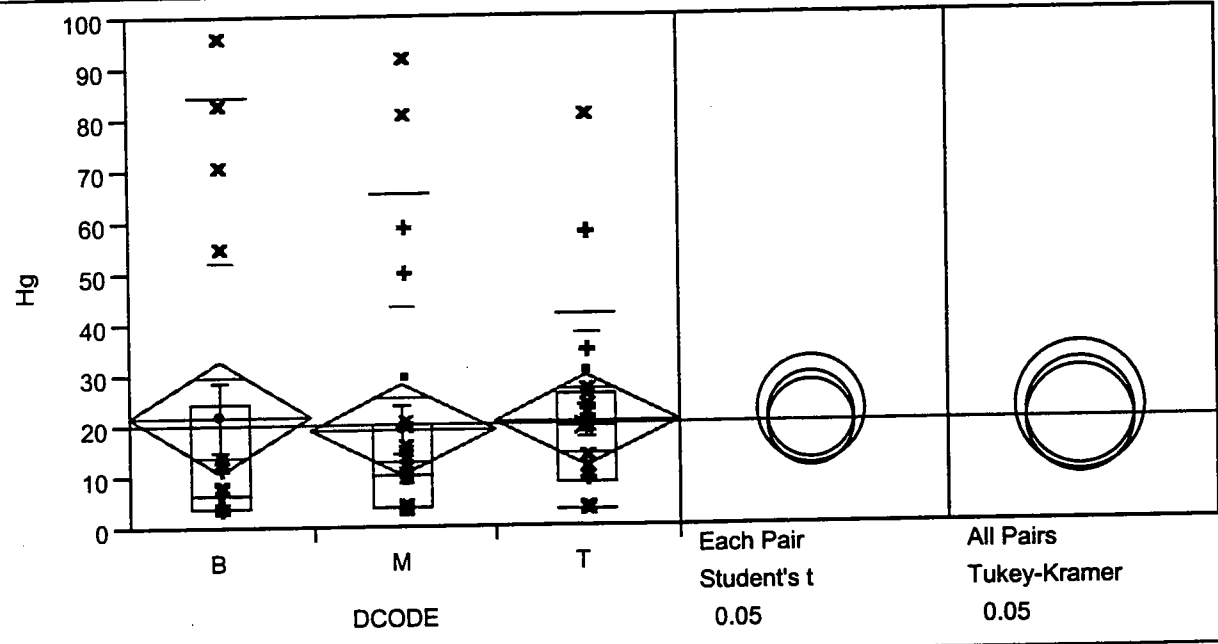
**Wilcoxon / Kruskal-Wallis Tests (Rank Sums)**

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| D     | 13    | 350.5     | 26.9615    | -1.670            |
| O     | 11    | 441.5     | 40.1364    | 0.815             |
| P     | 46    | 1693      | 36.8043    | 0.737             |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 3.0523    | 2  | 0.2174     |

Hg By DCODE



Analysis  Display

Quantiles

| Level | minimum | 10.0% | 25.0%  | median | 75.0% | 90.0% | maximum |
|-------|---------|-------|--------|--------|-------|-------|---------|
| B     | 3.75    | 3.795 | 3.875  | 6.6    | 24.25 | 84.3  | 96      |
| M     | 3.65    | 3.7   | 3.825  | 10.5   | 20.25 | 65.6  | 92      |
| T     | 3.6     | 3.685 | 8.4625 | 19.5   | 26    | 41.9  | 81      |

Oneway Anova

Means and Std Deviations

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| B     | 18     | 22.0917 | 30.8543 | 7.2724       |
| M     | 26     | 18.9712 | 24.3287 | 4.7712       |
| T     | 26     | 20.6808 | 17.4853 | 3.4291       |

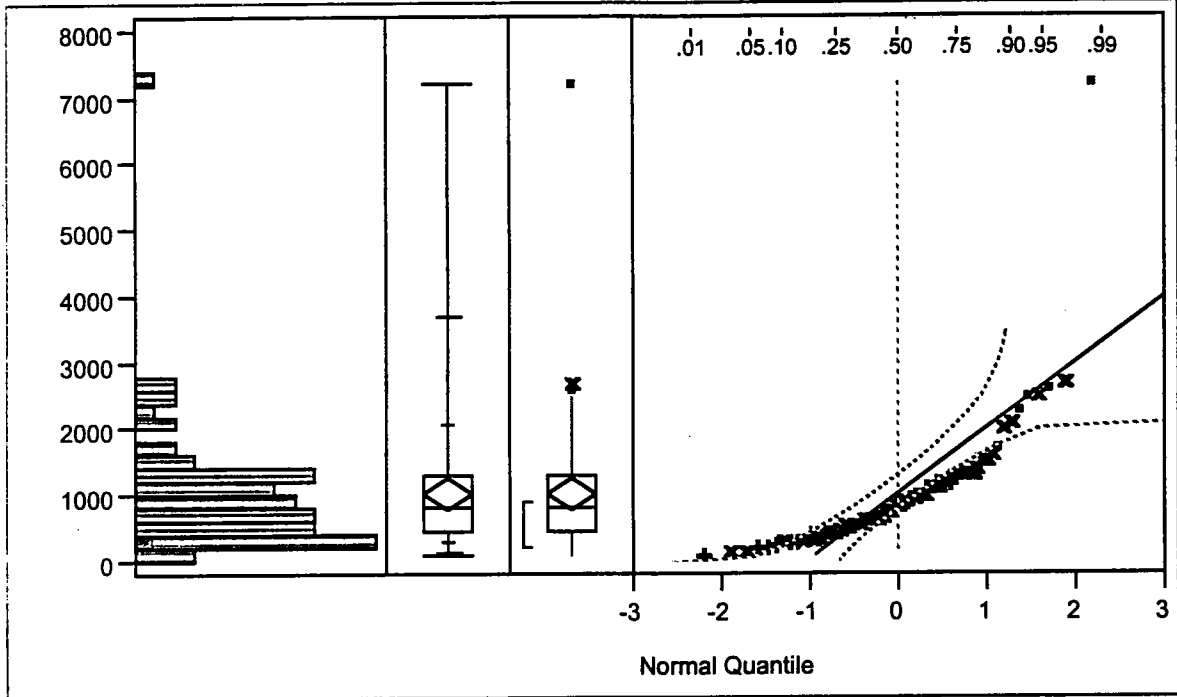
Means Comparisons

Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| B     | 18    | 604       | 33.5556    | -0.464            |
| M     | 26    | 850.5     | 32.7115    | -0.876            |
| T     | 26    | 1030.5    | 39.6346    | 1.301             |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 1.7279    | 2  | 0.4215     |



**Quantiles**

|          |        |        |
|----------|--------|--------|
| maximum  | 100.0% | 7200.0 |
|          | 99.5%  | 7200.0 |
|          | 97.5%  | 3712.5 |
|          | 90.0%  | 2090.0 |
| quartile | 75.0%  | 1300.0 |
| median   | 50.0%  | 825.0  |
| quartile | 25.0%  | 448.8  |
|          | 10.0%  | 290.0  |
|          | 2.5%   | 151.0  |
|          | 0.5%   | 120.0  |
| minimum  | 0.0%   | 120.0  |

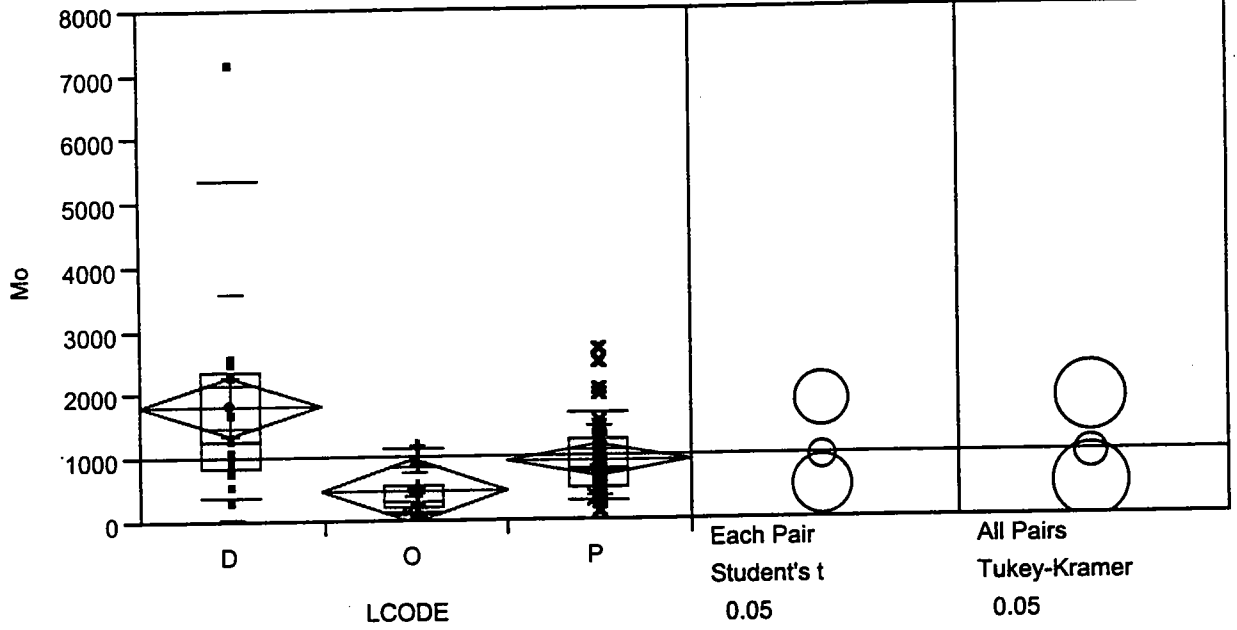
**Moments**

|                |           |
|----------------|-----------|
| Mean           | 1028.571  |
| Std Dev        | 977.906   |
| Std Error Mean | 116.882   |
| Upper 95% Mean | 1261.745  |
| Lower 95% Mean | 795.398   |
| N              | 70.000    |
| Sum Weights    | 70.000    |
| Sum            | 72000.000 |
| Variance       | 956300.1  |
| Skewness       | 3.931     |
| Kurtosis       | 22.543    |
| CV             | 95.074    |

**Test for Normality**

|                     |        |
|---------------------|--------|
| Shapiro-Wilk W Test |        |
| W                   | Prob<W |
| 0.684100            | 0.0000 |

Mo By LCODE



Analysis  Display

Quantiles

| Level | minimum | 10.0% | 25.0% | median | 75.0% | 90.0% | maximum |
|-------|---------|-------|-------|--------|-------|-------|---------|
| D     | 310     | 410   | 860   | 1300   | 2400  | 5360  | 7200    |
| O     | 120     | 142   | 240   | 300    | 550   | 1150  | 1200    |
| P     | 160     | 314   | 520   | 825    | 1300  | 1720  | 2700    |

Oneway Anova

Means and Std Deviations

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| D     | 13     | 1814.62 | 1772.69 | 491.66       |
| O     | 11     | 470.91  | 333.75  | 100.63       |
| P     | 46     | 939.78  | 583.97  | 86.10        |

Means Comparisons

Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

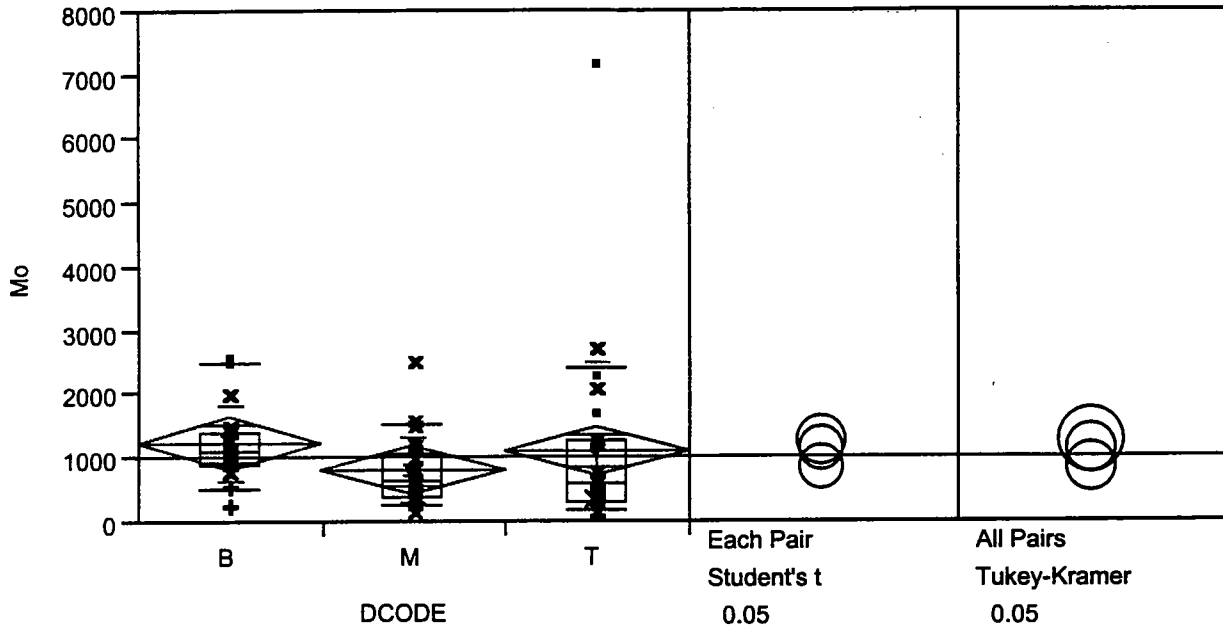
| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| D     | 13    | 637.5     | 49.0385    | 2.652             |
| O     | 11    | 184.5     | 16.7727    | -3.318            |
| P     | 46    | 1663      | 36.1522    | 0.365             |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 15.1317   | 2  | 0.0005     |



Mo By DCODE



Analysis  Display

Quantiles

| Level | minimum | 10.0% | 25.0% | median | 75.0% | 90.0% | maximum |
|-------|---------|-------|-------|--------|-------|-------|---------|
| B     | 260     | 521   | 897.5 | 1100   | 1425  | 2510  | 2600    |
| M     | 160     | 282   | 400   | 650    | 1025  | 1530  | 2500    |
| T     | 120     | 209   | 322.5 | 625    | 1300  | 2420  | 7200    |

Oneway Anova

Means and Std Deviations

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| B     | 18     | 1245.56 | 604.69  | 142.53       |
| M     | 26     | 807.31  | 518.97  | 101.78       |
| T     | 26     | 1099.62 | 1425.25 | 279.52       |

Means Comparisons

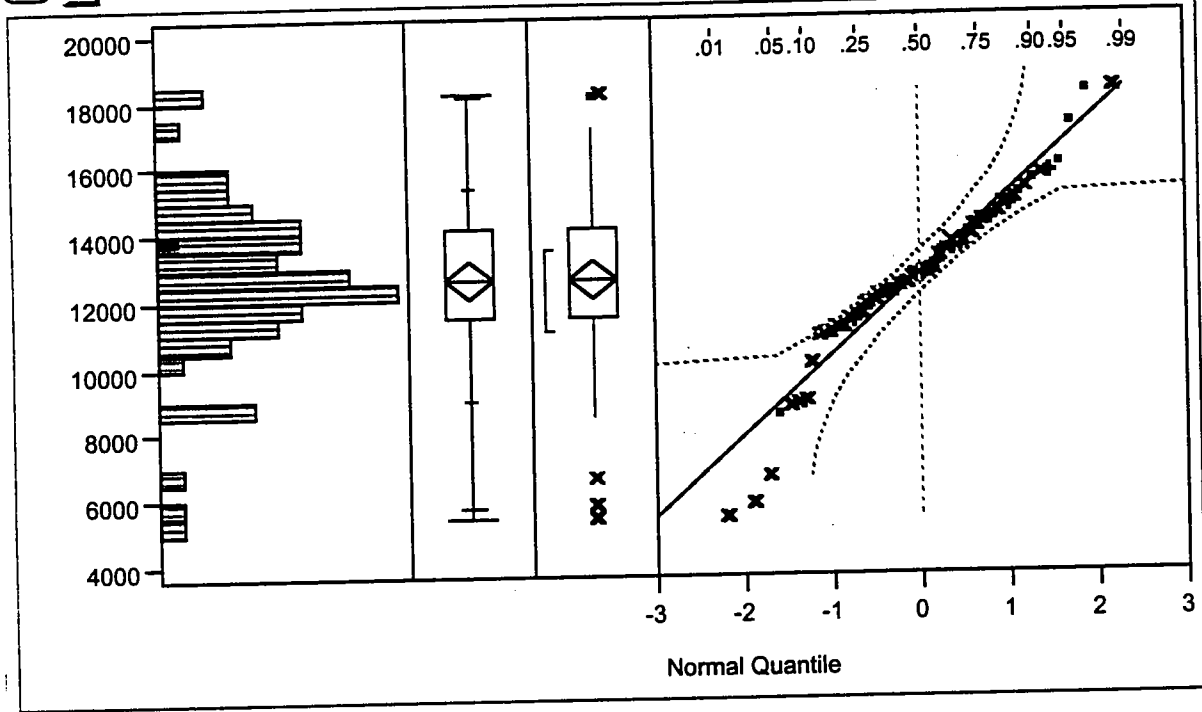
Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| B     | 18    | 832.5     | 46.2500    | 2.595             |
| M     | 26    | 822       | 31.6154    | -1.222            |
| T     | 26    | 830.5     | 31.9423    | -1.119            |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 6.7718    | 2  | 0.0338     |

Ni



**Quantiles**

|          |        |       |
|----------|--------|-------|
| maximum  | 100.0% | 18200 |
|          | 99.5%  | 18200 |
|          | 97.5%  | 18123 |
|          | 90.0%  | 15380 |
| quartile | 75.0%  | 14125 |
| median   | 50.0%  | 12600 |
| quartile | 25.0%  | 11500 |
|          | 10.0%  | 9010  |
|          | 2.5%   | 5710  |
|          | 0.5%   | 5400  |
| minimum  | 0.0%   | 5400  |

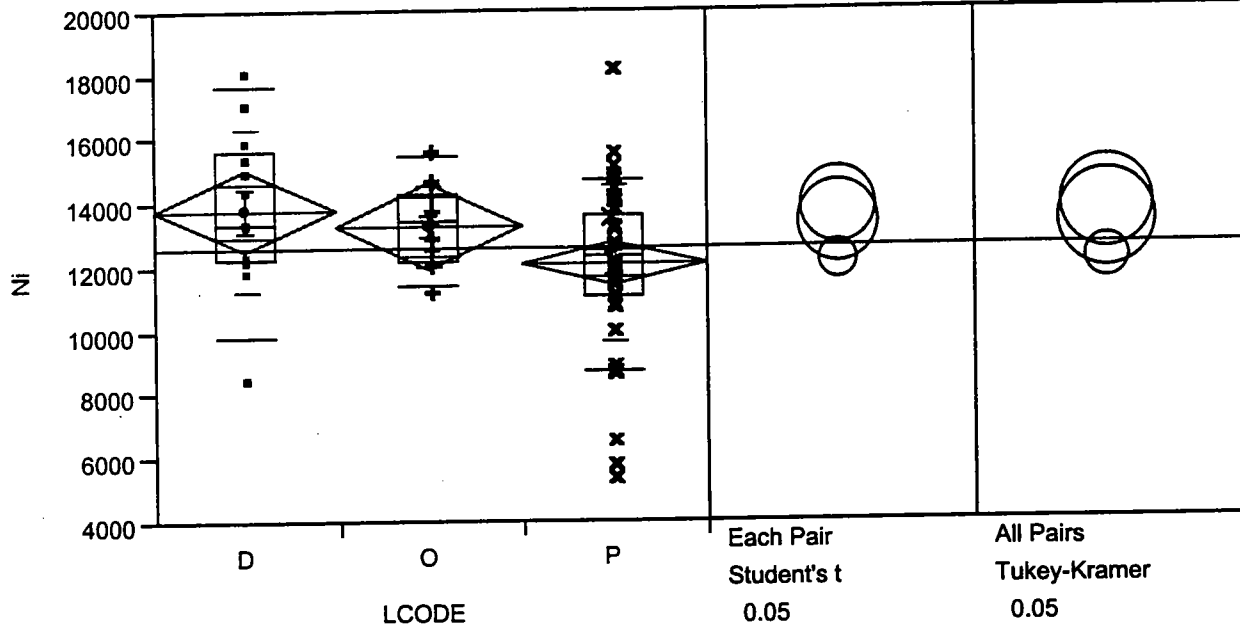
**Moments**

|                |           |
|----------------|-----------|
| Mean           | 12615.00  |
| Std Dev        | 2408.70   |
| Std Error Mean | 287.89    |
| Upper 95% Mean | 13189.34  |
| Lower 95% Mean | 12040.66  |
| N              | 70.00     |
| Sum Weights    | 70.00     |
| Sum            | 883050.00 |
| Variance       | 5801837   |
| Skewness       | -0.60     |
| Kurtosis       | 1.58      |
| CV             | 19.09     |

**Test for Normality**

|                     |        |
|---------------------|--------|
| Shapiro-Wilk W Test |        |
| W                   | Prob<W |
| 0.952166            | 0.0235 |

Ni By LCODE



Analysis  Display

Quantiles

| Level | minimum | 10.0% | 25.0% | median | 75.0% | 90.0% | maximum |
|-------|---------|-------|-------|--------|-------|-------|---------|
| D     | 8500    | 9860  | 12300 | 13400  | 15650 | 17700 | 18100   |
| O     | 11300   | 11460 | 12200 | 13500  | 14300 | 15500 | 15700   |
| P     | 5400    | 8770  | 11100 | 12350  | 13650 | 14760 | 18200   |

Oneway Anova

Means and Std Deviations

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| D     | 13     | 13846.2 | 2528.38 | 701.25       |
| O     | 11     | 13336.4 | 1275.36 | 384.54       |
| P     | 46     | 12094.6 | 2447.04 | 360.80       |

Means Comparisons

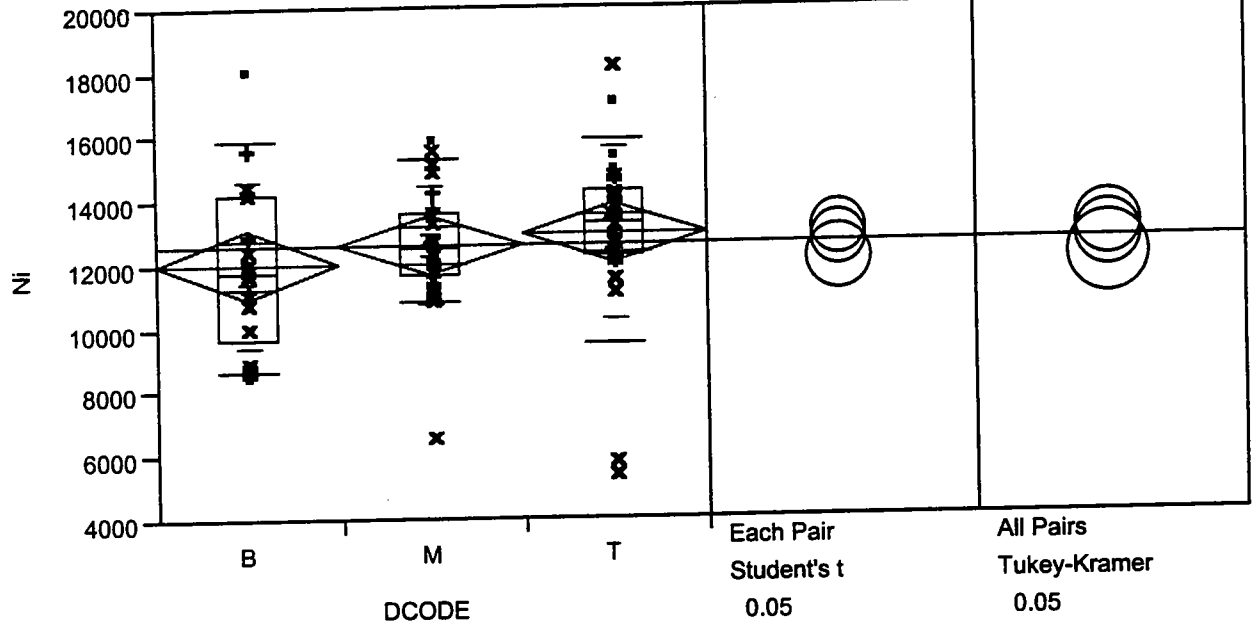
Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| D     | 13    | 590.5     | 45.4231    | 1.941             |
| O     | 11    | 470.5     | 42.7727    | 1.283             |
| P     | 46    | 1424      | 30.9565    | -2.580            |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 6.7917    | 2  | 0.0335     |

Ni By DCODE



Analysis  Display

Quantiles

| Level | minimum | 10.0% | 25.0% | median | 75.0% | 90.0% | maximum |
|-------|---------|-------|-------|--------|-------|-------|---------|
| B     | 8500    | 8680  | 9725  | 11800  | 14250 | 15940 | 18100   |
| M     | 6600    | 10900 | 11725 | 12550  | 13650 | 15320 | 15900   |
| T     | 5400    | 9510  | 12325 | 13300  | 14325 | 15910 | 18200   |

Oneway Anova

Means and Std Deviations

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| B     | 18     | 12005.6 | 2643.85 | 623.16       |
| M     | 26     | 12646.2 | 1875.79 | 367.87       |
| T     | 26     | 13005.8 | 2704.45 | 530.39       |

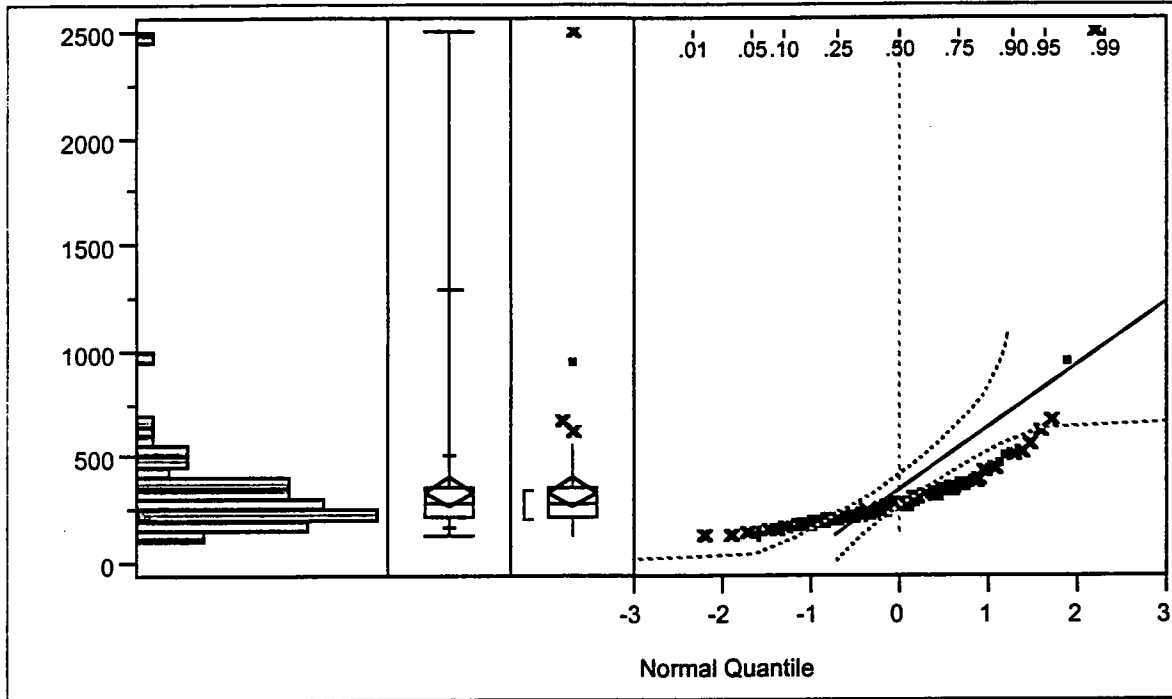
Means Comparisons

Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| B     | 18    | 510       | 28.3333    | -1.727            |
| M     | 26    | 912       | 35.0769    | -0.128            |
| T     | 26    | 1063      | 40.8846    | 1.696             |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 4.0656    | 2  | 0.1310     |



**Quantiles**

|          |        |        |
|----------|--------|--------|
| maximum  | 100.0% | 2500.0 |
|          | 99.5%  | 2500.0 |
|          | 97.5%  | 1298.7 |
|          | 90.0%  | 510.0  |
| quartile | 75.0%  | 363.8  |
| median   | 50.0%  | 280.0  |
| quartile | 25.0%  | 217.5  |
|          | 10.0%  | 171.0  |
|          | 2.5%   | 130.0  |
|          | 0.5%   | 130.0  |
| minimum  | 0.0%   | 130.0  |

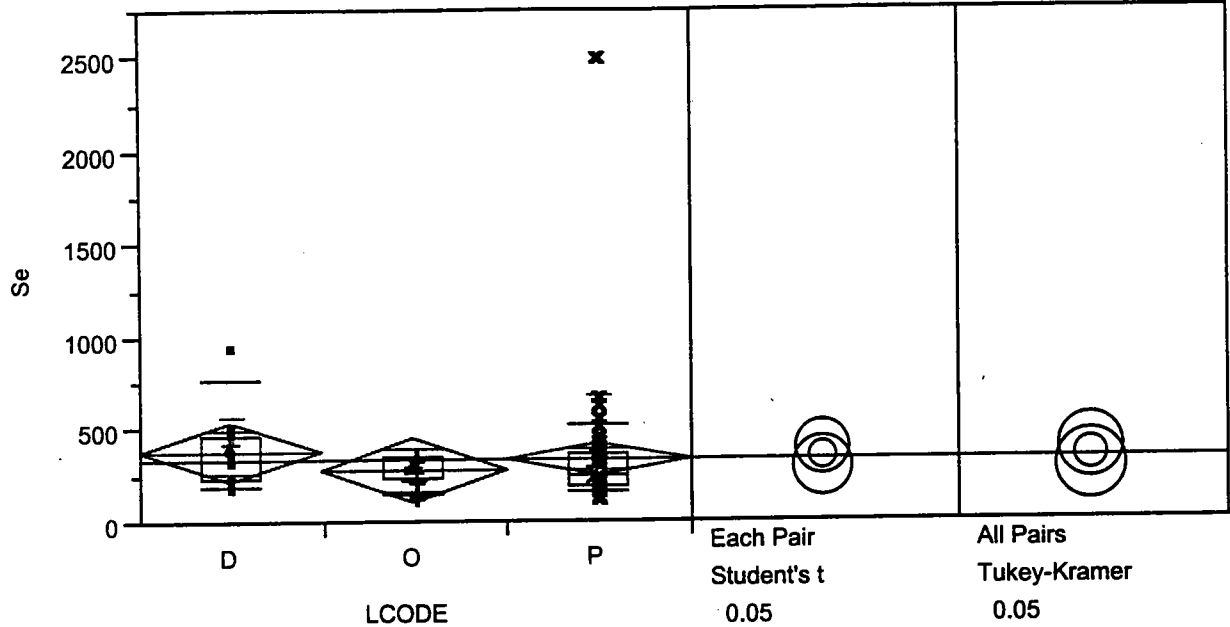
**Moments**

|                |           |
|----------------|-----------|
| Mean           | 340.2857  |
| Std Dev        | 297.4760  |
| Std Error Mean | 35.5552   |
| Upper 95% Mean | 411.2165  |
| Lower 95% Mean | 269.3549  |
| N              | 70.0000   |
| Sum Weights    | 70.0000   |
| Sum            | 23820     |
| Variance       | 88491.946 |
| Skewness       | 5.8316    |
| Kurtosis       | 41.1523   |
| CV             | 87.4195   |

**Test for Normality**

|                     |        |
|---------------------|--------|
| Shapiro-Wilk W Test |        |
| W                   | Prob<W |
| 0.497686            | 0.0000 |

Se By LCODE



Analysis Display

Quantiles

| Level | minimum | 10.0% | 25.0% | median | 75.0%  | 90.0% | maximum |
|-------|---------|-------|-------|--------|--------|-------|---------|
| D     | 180     | 200   | 240   | 340    | 465    | 774   | 950     |
| O     | 140     | 156   | 240   | 290    | 340    | 356   | 360     |
| P     | 130     | 160   | 190   | 250    | 363.75 | 532   | 2500    |

Oneway Anova

Means and Std Deviations

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| D     | 13     | 387.692 | 196.984 | 54.633       |
| O     | 11     | 283.636 | 64.849  | 19.553       |
| P     | 46     | 340.435 | 350.674 | 51.704       |

Means Comparisons

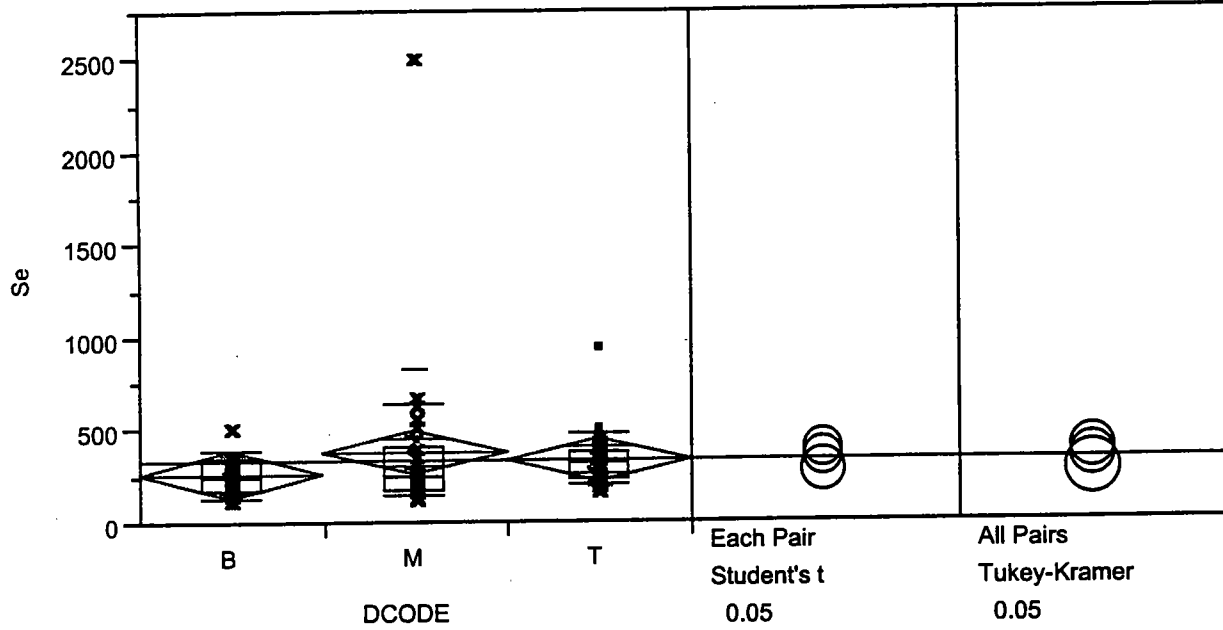
Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| D     | 13    | 583       | 44.8462    | 1.829             |
| O     | 11    | 387.5     | 35.2273    | -0.040            |
| P     | 46    | 1514.5    | 32.9239    | -1.461            |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 3.4863    | 2  | 0.1750     |

Se By DCODE



Analysis  Display

Quantiles

| Level | minimum | 10.0% | 25.0% | median | 75.0%  | 90.0% | maximum |
|-------|---------|-------|-------|--------|--------|-------|---------|
| B     | 130     | 139   | 187.5 | 255    | 352.5  | 403   | 520     |
| M     | 130     | 154   | 187.5 | 250    | 412.5  | 642   | 2500    |
| T     | 160     | 204   | 235   | 322.5  | 378.75 | 489   | 950     |

Oneway Anova

Means and Std Deviations

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| B     | 18     | 274.444 | 102.108 | 24.067       |
| M     | 26     | 387.308 | 456.014 | 89.432       |
| T     | 26     | 338.846 | 154.197 | 30.240       |

Means Comparisons

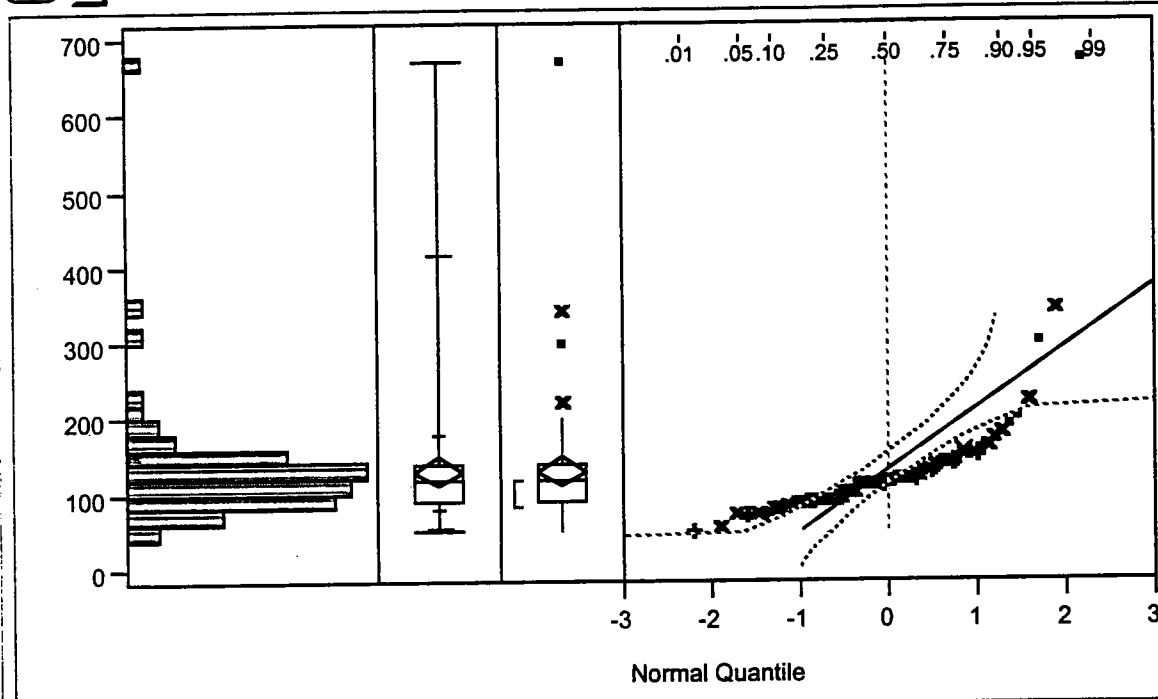
Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| B     | 18    | 559.5     | 31.0833    | -1.062            |
| M     | 26    | 885.5     | 34.0577    | -0.450            |
| T     | 26    | 1040      | 40.0000    | 1.417             |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 2.2531    | 2  | 0.3241     |

Ag



**Quantiles**

|          |        |        |
|----------|--------|--------|
| maximum  | 100.0% | 670.00 |
|          | 99.5%  | 670.00 |
|          | 97.5%  | 414.25 |
|          | 90.0%  | 179.00 |
| quartile | 75.0%  | 140.00 |
| median   | 50.0%  | 117.50 |
| quartile | 25.0%  | 90.75  |
|          | 10.0%  | 78.10  |
|          | 2.5%   | 54.55  |
|          | 0.5%   | 53.00  |
| minimum  | 0.0%   | 53.00  |

**Moments**

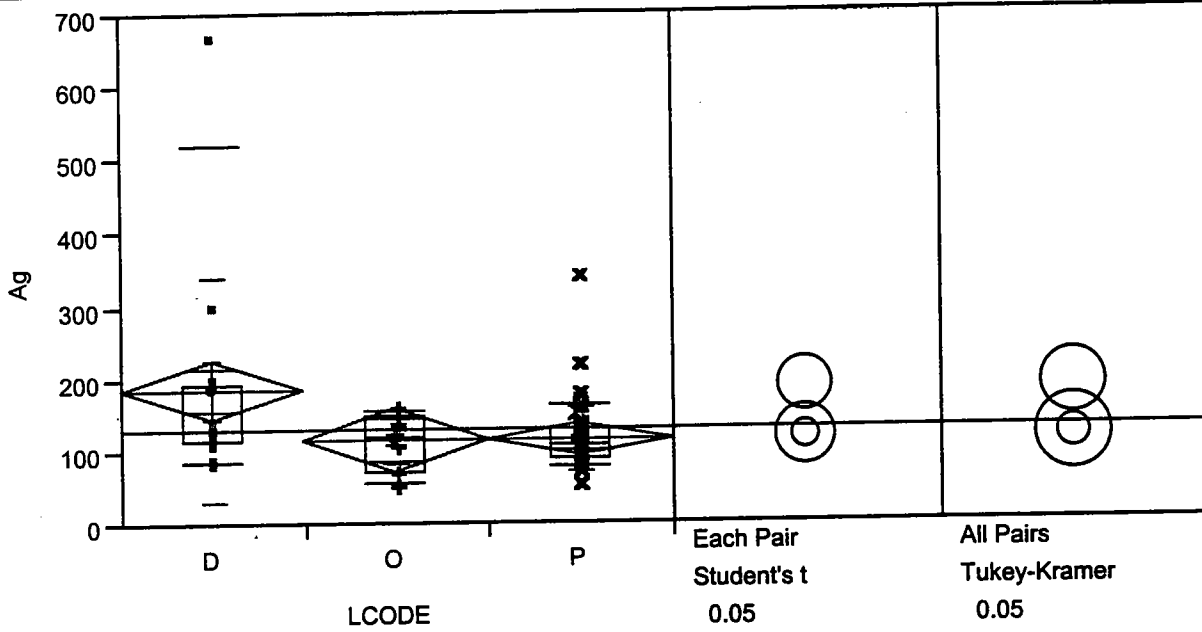
|                |           |
|----------------|-----------|
| Mean           | 130.0857  |
| Std Dev        | 80.8302   |
| Std Error Mean | 9.6611    |
| Upper 95% Mean | 149.3590  |
| Lower 95% Mean | 110.8124  |
| N              | 70.0000   |
| Sum Weights    | 70.0000   |
| Sum            | 9106.0000 |
| Variance       | 6533.5215 |
| Skewness       | 4.8034    |
| Kurtosis       | 29.4707   |
| CV             | 62.1361   |

**Test for Normality**

|                     |        |
|---------------------|--------|
| Shapiro-Wilk W Test |        |
| W                   | Prob<W |
| 0.577034            | 0.0000 |



**Ag By LCODE**



Analysis Display

**Quantiles**

| Level | minimum | 10.0% | 25.0% | median | 75.0%  | 90.0% | maximum |
|-------|---------|-------|-------|--------|--------|-------|---------|
| D     | 84      | 86.4  | 115   | 130    | 195    | 522   | 670     |
| O     | 53      | 56.8  | 73    | 120    | 150    | 158   | 160     |
| P     | 55      | 78.7  | 89.75 | 110    | 131.25 | 163   | 340     |

**Oneway Anova**

**Means and Std Deviations**

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| D     | 13     | 186.462 | 156.011 | 43.270       |
| O     | 11     | 116.182 | 35.835  | 10.805       |
| P     | 46     | 117.478 | 45.981  | 6.780        |

**Means Comparisons**

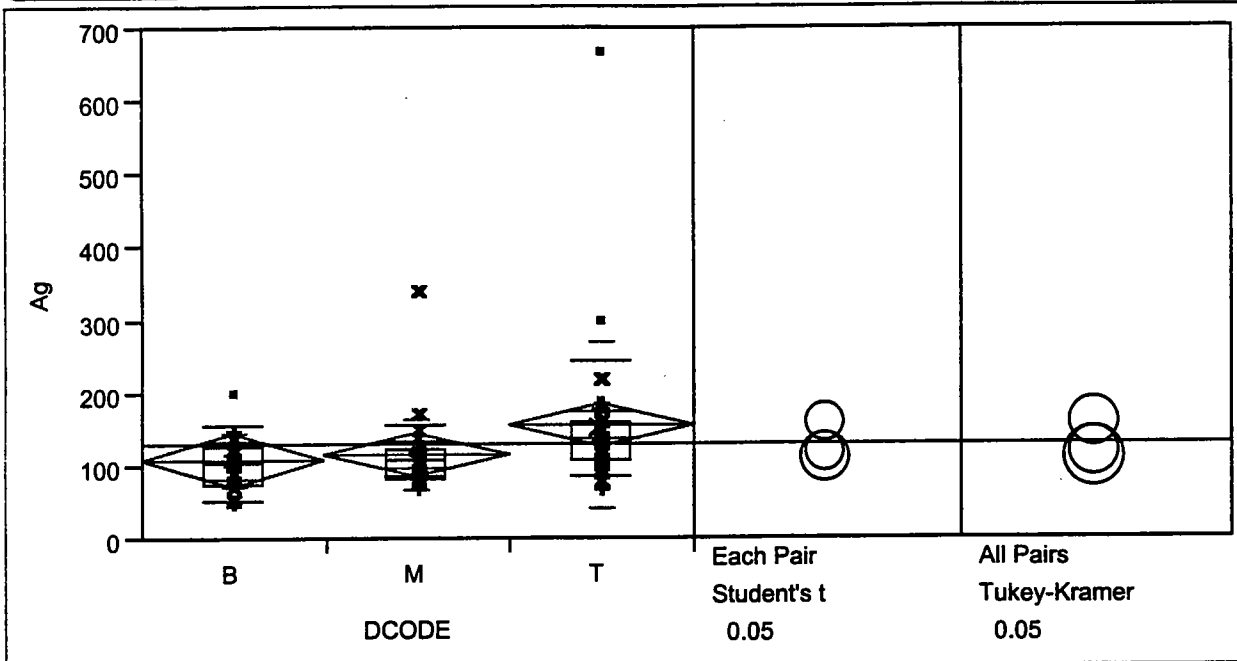
**Wilcoxon / Kruskal-Wallis Tests (Rank Sums)**

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| D     | 13    | 606.5     | 46.6538    | 2.188             |
| O     | 11    | 399.5     | 36.3182    | 0.138             |
| P     | 46    | 1479      | 32.1522    | -1.904            |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 5.1957    | 2  | 0.0744     |

Ag By DCODE



Analysis  Display

Quantiles

| Level | minimum | 10.0% | 25.0% | median | 75.0%   | 90.0% | maximum |
|-------|---------|-------|-------|--------|---------|-------|---------|
| B     | 53      | 54.8  | 76.5  | 105    | 126.875 | 155   | 200     |
| M     | 73      | 83.7  | 88.5  | 110    | 122.5   | 156   | 340     |
| T     | 72      | 86.7  | 110   | 132.5  | 160     | 244   | 670     |

Oneway Anova

Means and Std Deviations

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| B     | 18     | 107.972 | 37.391  | 8.813        |
| M     | 26     | 117.269 | 50.981  | 9.998        |
| T     | 26     | 158.212 | 114.617 | 22.478       |

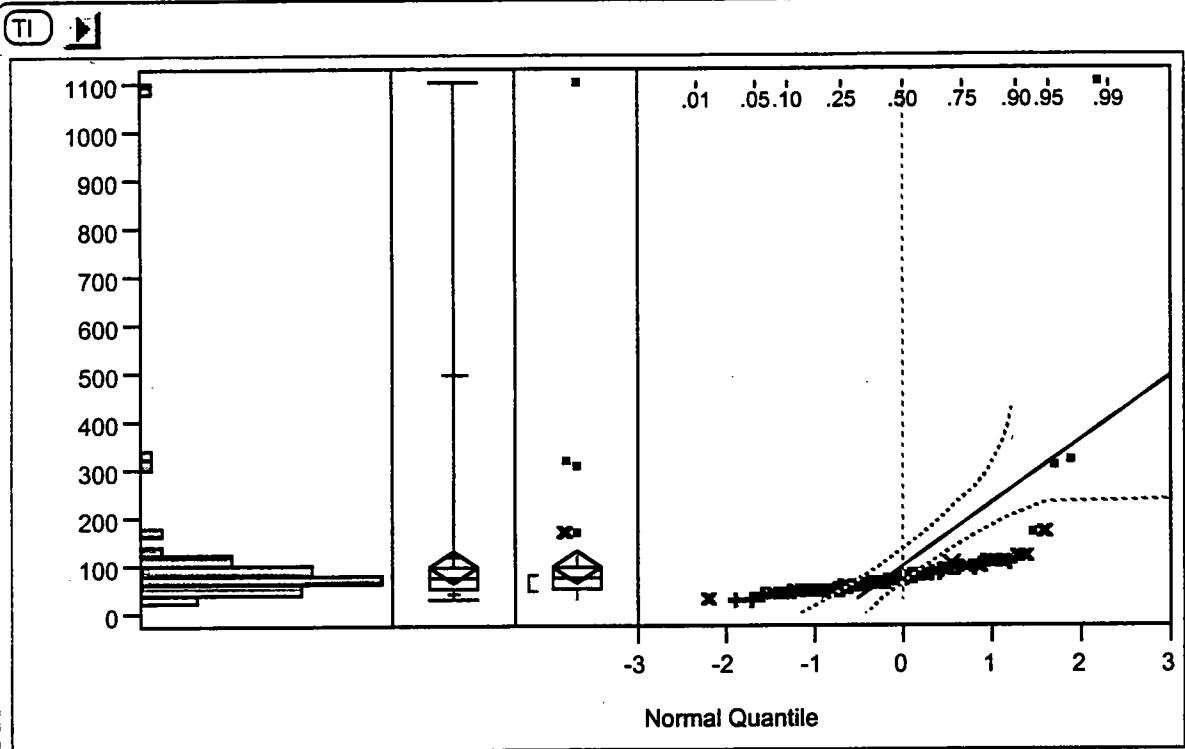
Means Comparisons

Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| B     | 18    | 532.5     | 29.5833    | -1.428            |
| M     | 26    | 797       | 30.6538    | -1.530            |
| T     | 26    | 1155.5    | 44.4423    | 2.828             |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 8.0592    | 2  | 0.0178     |



**Quantiles**

|          |        |        |
|----------|--------|--------|
| maximum  | 100.0% | 1100.0 |
|          | 99.5%  | 1100.0 |
|          | 97.5%  | 495.5  |
|          | 90.0%  | 119.0  |
| quartile | 75.0%  | 96.0   |
| median   | 50.0%  | 73.5   |
| quartile | 25.0%  | 55.3   |
|          | 10.0%  | 43.2   |
|          | 2.5%   | 30.8   |
|          | 0.5%   | 30.0   |
| minimum  | 0.0%   | 30.0   |

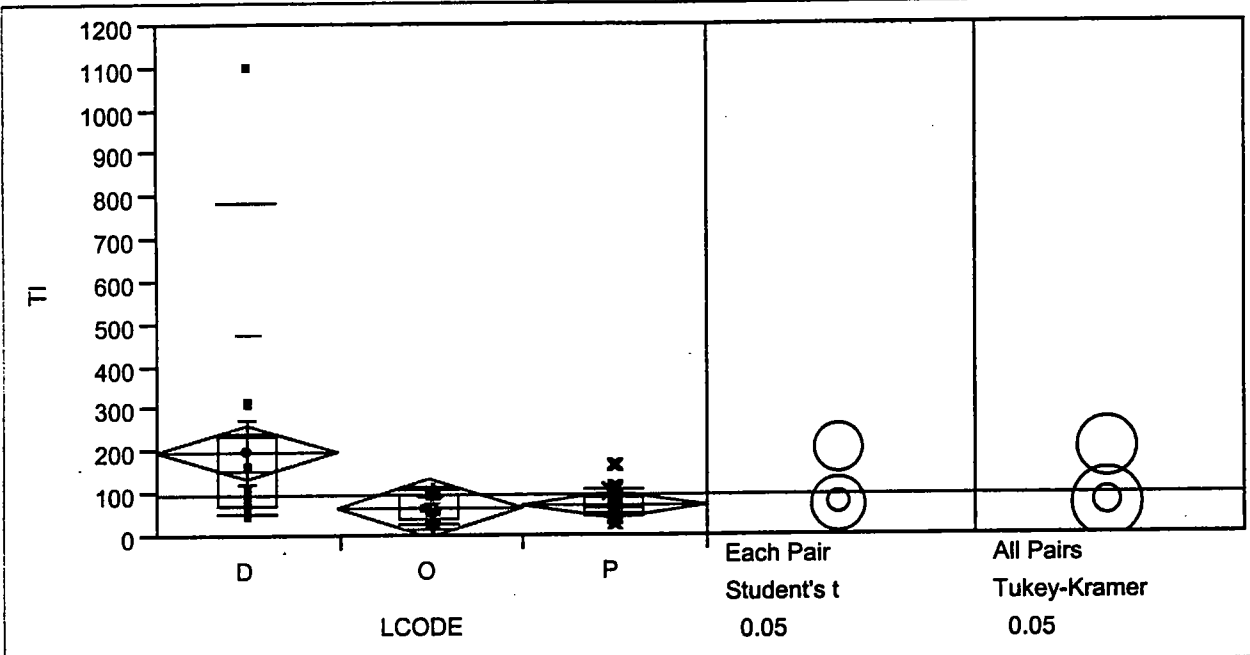
**Moments**

|                |           |
|----------------|-----------|
| Mean           | 96.9714   |
| Std Dev        | 131.1300  |
| Std Error Mean | 15.6730   |
| Upper 95% Mean | 128.2383  |
| Lower 95% Mean | 65.7045   |
| N              | 70.0000   |
| Sum Weights    | 70.0000   |
| Sum            | 6788.0000 |
| Variance       | 17195.079 |
| Skewness       | 6.7968    |
| Kurtosis       | 51.2413   |
| CV             | 135.2254  |

**Test for Normality**

|                     |        |
|---------------------|--------|
| Shapiro-Wilk W Test |        |
| W                   | Prob<W |
| 0.357590            | 0.0000 |

**TI By LCODE**



Analysis  Display

**Quantiles**

| Level | minimum | 10.0% | 25.0% | median | 75.0% | 90.0% | maximum |
|-------|---------|-------|-------|--------|-------|-------|---------|
| D     | 50      | 52.8  | 74    | 96     | 240   | 788   | 1100    |
| O     | 31      | 31.2  | 39    | 67     | 95    | 108   | 110     |
| P     | 30      | 44.4  | 52.25 | 68.5   | 89    | 110   | 170     |

**Oneway Anova**

**Means and Std Deviations**

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| D     | 13     | 202.077 | 284.074 | 78.788       |
| O     | 11     | 69.545  | 29.310  | 8.837        |
| P     | 46     | 73.826  | 27.064  | 3.990        |

**Means Comparisons**

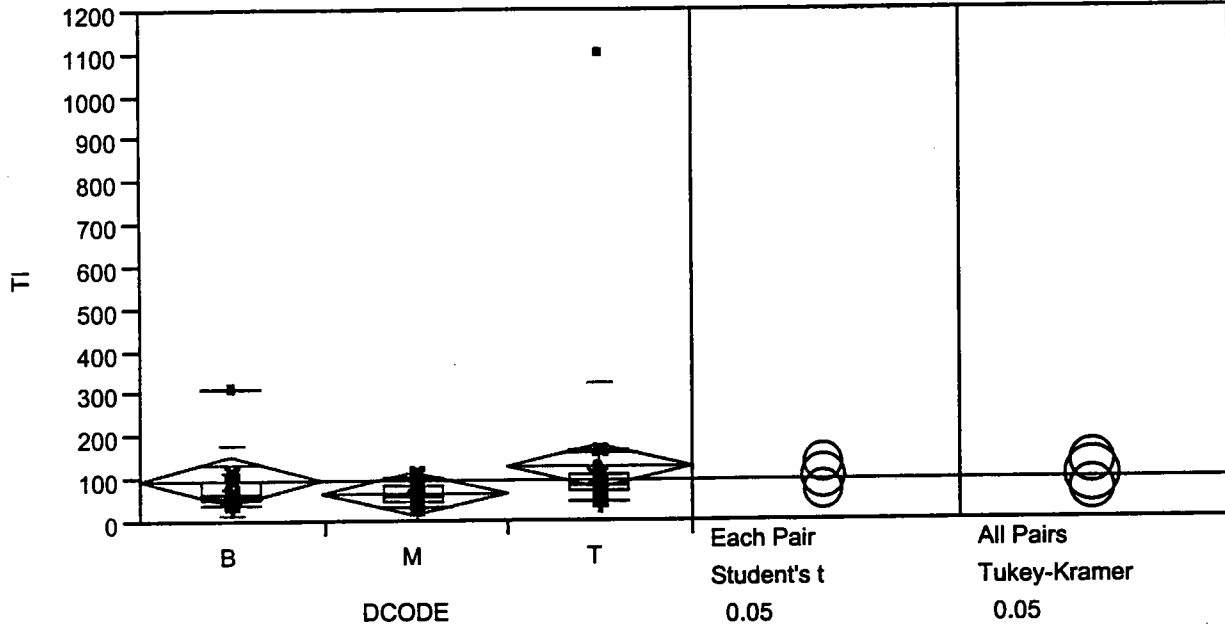
**Wilcoxon / Kruskal-Wallis Tests (Rank Sums)**

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| D     | 13    | 638       | 49.0769    | 2.660             |
| O     | 11    | 339.5     | 30.8636    | -0.815            |
| P     | 46    | 1507.5    | 32.7717    | -1.548            |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 7.1920    | 2  | 0.0274     |

TI By DCODE



Analysis  Display

Quantiles

| Level | minimum | 10.0% | 25.0% | median | 75.0% | 90.0% | maximum |
|-------|---------|-------|-------|--------|-------|-------|---------|
| B     | 32      | 41.9  | 56.75 | 64.5   | 99.5  | 311   | 320     |
| M     | 30      | 36.6  | 47.75 | 62.5   | 82.5  | 102.3 | 120     |
| T     | 39      | 50    | 75    | 86.5   | 110   | 170   | 1100    |

Oneway Anova

Means and Std Deviations

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| B     | 18     | 95.889  | 83.046  | 19.574       |
| M     | 26     | 65.769  | 23.673  | 4.643        |
| T     | 26     | 128.923 | 200.333 | 39.288       |

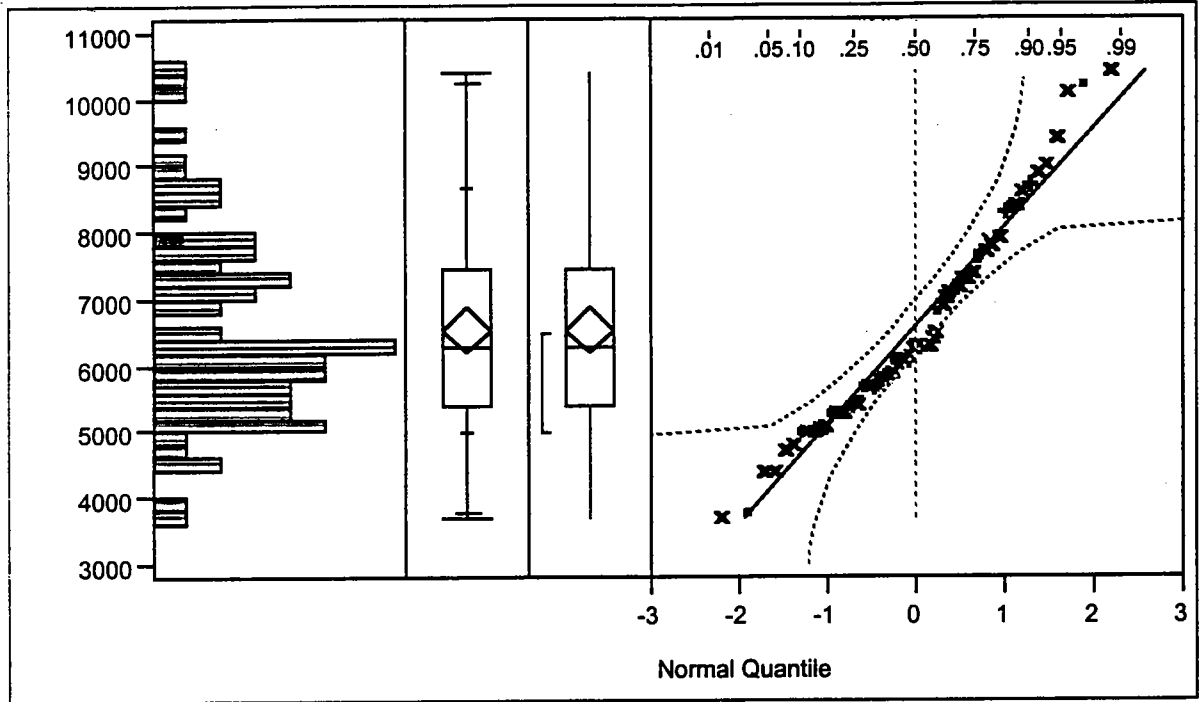
Means Comparisons

Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| B     | 18    | 599.5     | 33.3056    | -0.524            |
| M     | 26    | 714.5     | 27.4808    | -2.530            |
| T     | 26    | 1171      | 45.0385    | 3.010             |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 9.9696    | 2  | 0.0068     |



**Quantiles**

|          |        |       |
|----------|--------|-------|
| maximum  | 100.0% | 10400 |
|          | 99.5%  | 10400 |
|          | 97.5%  | 10245 |
|          | 90.0%  | 8690  |
| quartile | 75.0%  | 7450  |
| median   | 50.0%  | 6275  |
| quartile | 25.0%  | 5400  |
|          | 10.0%  | 5000  |
|          | 2.5%   | 3778  |
|          | 0.5%   | 3700  |
| minimum  | 0.0%   | 3700  |

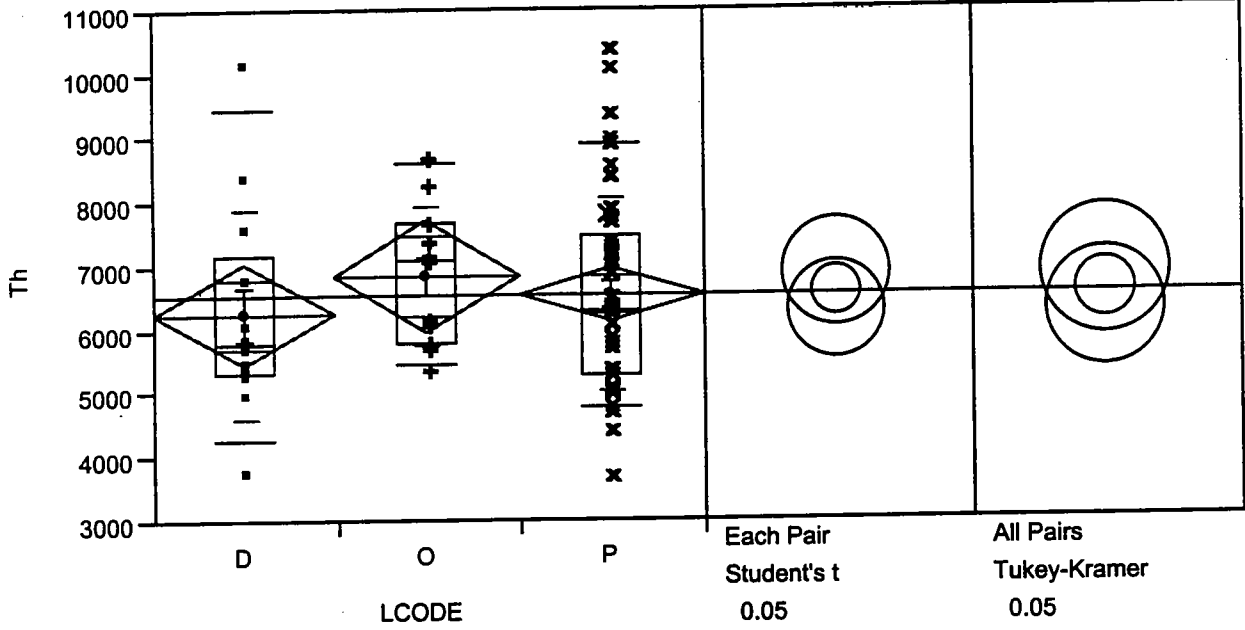
**Moments**

|                |          |
|----------------|----------|
| Mean           | 6554.286 |
| Std Dev        | 1491.564 |
| Std Error Mean | 178.276  |
| Upper 95% Mean | 6909.937 |
| Lower 95% Mean | 6198.634 |
| N              | 70.000   |
| Sum Weights    | 70.000   |
| Sum            | 458800   |
| Variance       | 2224764  |
| Skewness       | 0.621    |
| Kurtosis       | 0.081    |
| CV             | 22.757   |

**Test for Normality**

|                     |        |
|---------------------|--------|
| Shapiro-Wilk W Test |        |
| W                   | Prob<W |
| 0.954624            | 0.0335 |

Th By LCODE



Analysis  Display

| Quantiles |         |       |       |        |       |       |         |
|-----------|---------|-------|-------|--------|-------|-------|---------|
| Level     | minimum | 10.0% | 25.0% | median | 75.0% | 90.0% | maximum |
| D         | 3800    | 4280  | 5350  | 5800   | 7200  | 9480  | 10200   |
| O         | 5400    | 5460  | 5800  | 7100   | 7700  | 8620  | 8700    |
| P         | 3700    | 4770  | 5300  | 6300   | 7475  | 8930  | 10400   |

Oneway Anova

| Means and Std Deviations |        |         |         |              |
|--------------------------|--------|---------|---------|--------------|
| Level                    | Number | Mean    | Std Dev | Std Err Mean |
| D                        | 13     | 6269.23 | 1651.96 | 458.17       |
| O                        | 11     | 6872.73 | 1106.43 | 333.60       |
| P                        | 46     | 6558.70 | 1537.29 | 226.66       |

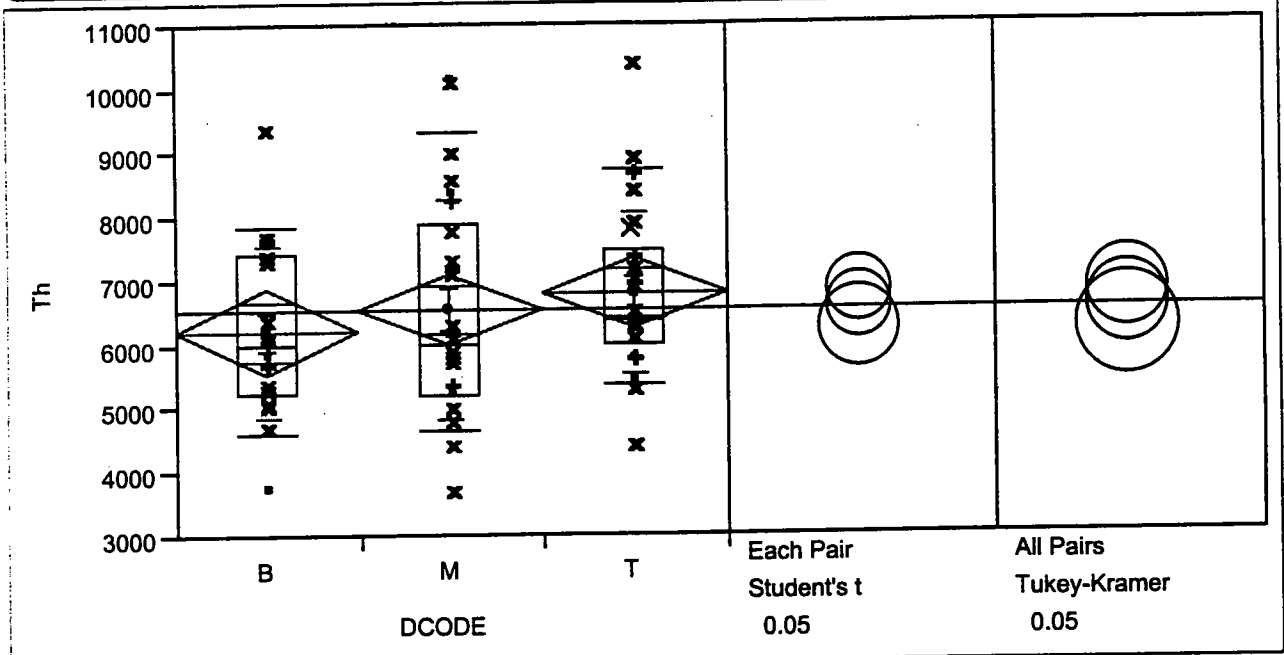
Means Comparisons

| Wilcoxon / Kruskal-Wallis Tests (Rank Sums) |       |           |            |                   |
|---------------------------------------------|-------|-----------|------------|-------------------|
| Level                                       | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
| D                                           | 13    | 392       | 30.1538    | -1.043            |
| O                                           | 11    | 455.5     | 41.4091    | 1.042             |
| P                                           | 46    | 1637.5    | 35.5978    | 0.050             |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 1.8282    | 2  | 0.4009     |

**Th By DCODE**



Analysis  Display

**Quantiles**

| Level | minimum | 10.0% | 25.0% | median | 75.0% | 90.0% | maximum |
|-------|---------|-------|-------|--------|-------|-------|---------|
| B     | 3800    | 4610  | 5250  | 6000   | 7450  | 7870  | 9400    |
| M     | 3700    | 4680  | 5225  | 6000   | 7925  | 9330  | 10200   |
| T     | 4400    | 5370  | 6025  | 6400   | 7500  | 8760  | 10400   |

**Oneway Anova**

**Means and Std Deviations**

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| B     | 18     | 6219.44 | 1383.64 | 326.13       |
| M     | 26     | 6538.46 | 1730.91 | 339.46       |
| T     | 26     | 6801.92 | 1302.96 | 255.53       |

**Means Comparisons**

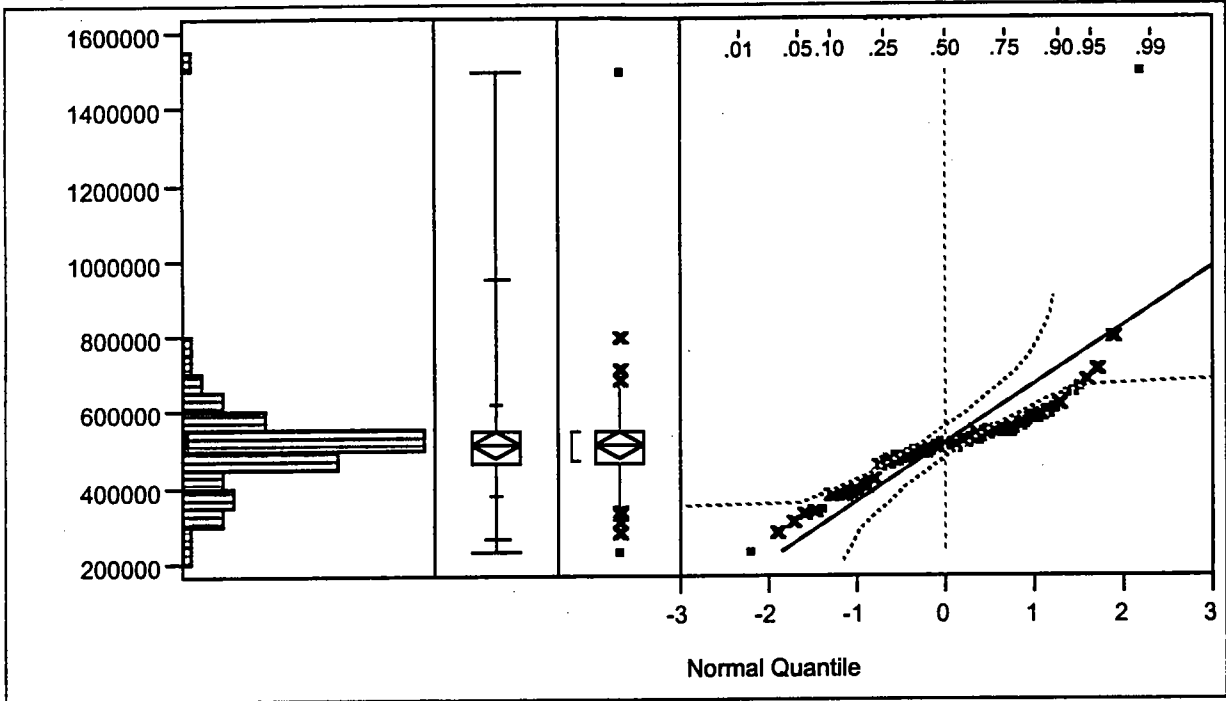
**Wilcoxon / Kruskal-Wallis Tests (Rank Sums)**

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| B     | 18    | 559       | 31.0556    | -1.069            |
| M     | 26    | 875.5     | 33.6731    | -0.572            |
| T     | 26    | 1050.5    | 40.4038    | 1.545             |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 2.5813    | 2  | 0.2751     |





**Quantiles**

|          |        |         |
|----------|--------|---------|
| maximum  | 100.0% | 1500000 |
|          | 99.5%  | 1500000 |
|          | 97.5%  | 954400  |
|          | 90.0%  | 619400  |
| quartile | 75.0%  | 549250  |
| median   | 50.0%  | 514500  |
| quartile | 25.0%  | 465750  |
|          | 10.0%  | 377750  |
|          | 2.5%   | 267875  |
|          | 0.5%   | 233000  |
| minimum  | 0.0%   | 233000  |

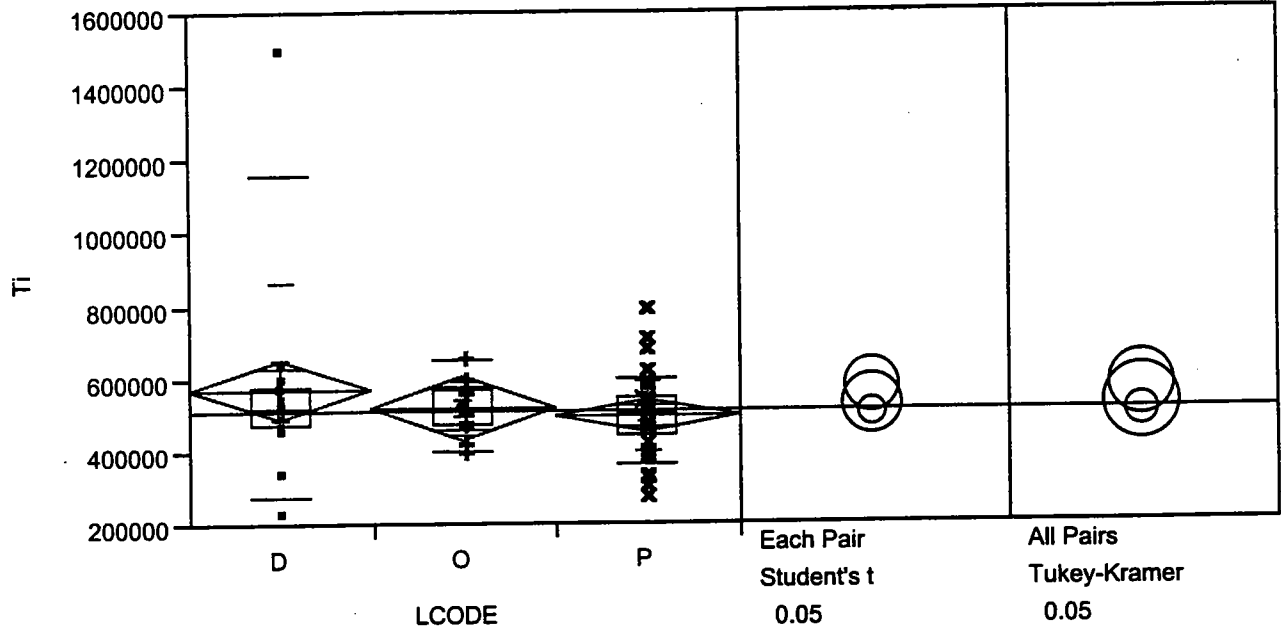
**Moments**

|                |           |
|----------------|-----------|
| Mean           | 516285.7  |
| Std Dev        | 154151.5  |
| Std Error Mean | 18424.6   |
| Upper 95% Mean | 553041.9  |
| Lower 95% Mean | 479529.5  |
| N              | 70.0      |
| Sum Weights    | 70.0      |
| Sum            | 36140000  |
| Variance       | 2.3763e10 |
| Skewness       | 3.7       |
| Kurtosis       | 23.8      |
| CV             | 29.9      |

**Test for Normality**

|                     |        |
|---------------------|--------|
| Shapiro-Wilk W Test |        |
| W                   | Prob<W |
| 0.722382            | 0.0000 |

Ti By LCODE



Analysis Display

Quantiles

| Level | minimum | 10.0%  | 25.0%  | median | 75.0%  | 90.0%   | maximum |
|-------|---------|--------|--------|--------|--------|---------|---------|
| D     | 233000  | 276600 | 475500 | 517000 | 576500 | 1158400 | 1500000 |
| O     | 401000  | 405200 | 477000 | 513000 | 570000 | 651400  | 663000  |
| P     | 278000  | 364750 | 448500 | 509500 | 549000 | 601400  | 796000  |

Oneway Anova

Means and Std Deviations

| Level | Number | Mean   | Std Dev | Std Err Mean |
|-------|--------|--------|---------|--------------|
| D     | 13     | 569769 | 298748  | 82858        |
| O     | 11     | 520182 | 77249   | 23291        |
| P     | 46     | 500239 | 101078  | 14903        |

Means Comparisons

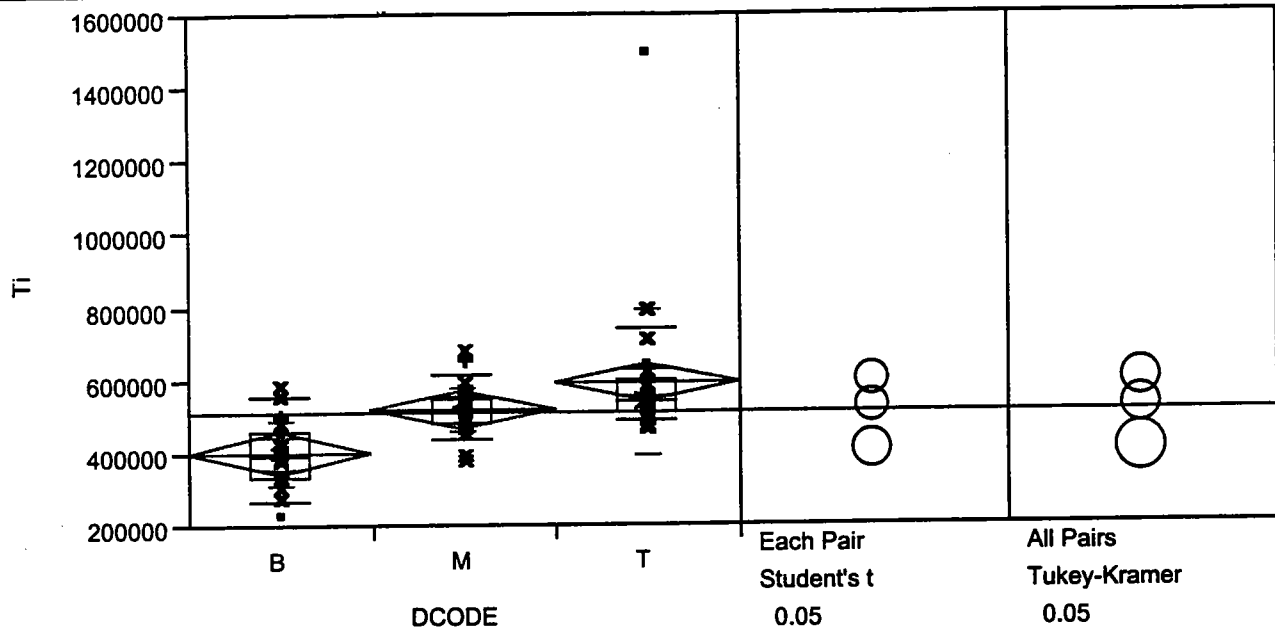
Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| D     | 13    | 487       | 37.4615    | 0.378             |
| O     | 11    | 417       | 37.9091    | 0.420             |
| P     | 46    | 1581      | 34.3696    | -0.637            |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 0.4169    | 2  | 0.8118     |

Ti By DCODE



Analysis Display

| Quantiles |         |        |        |        |        |        |         |
|-----------|---------|--------|--------|--------|--------|--------|---------|
| Level     | minimum | 10.0%  | 25.0%  | median | 75.0%  | 90.0%  | maximum |
| B         | 233000  | 273500 | 334000 | 395500 | 465000 | 559800 | 585000  |
| M         | 380000  | 436800 | 481750 | 516500 | 548250 | 614000 | 681000  |
| T         | 468000  | 488400 | 511250 | 540500 | 605000 | 738250 | 1500000 |

Oneway Anova

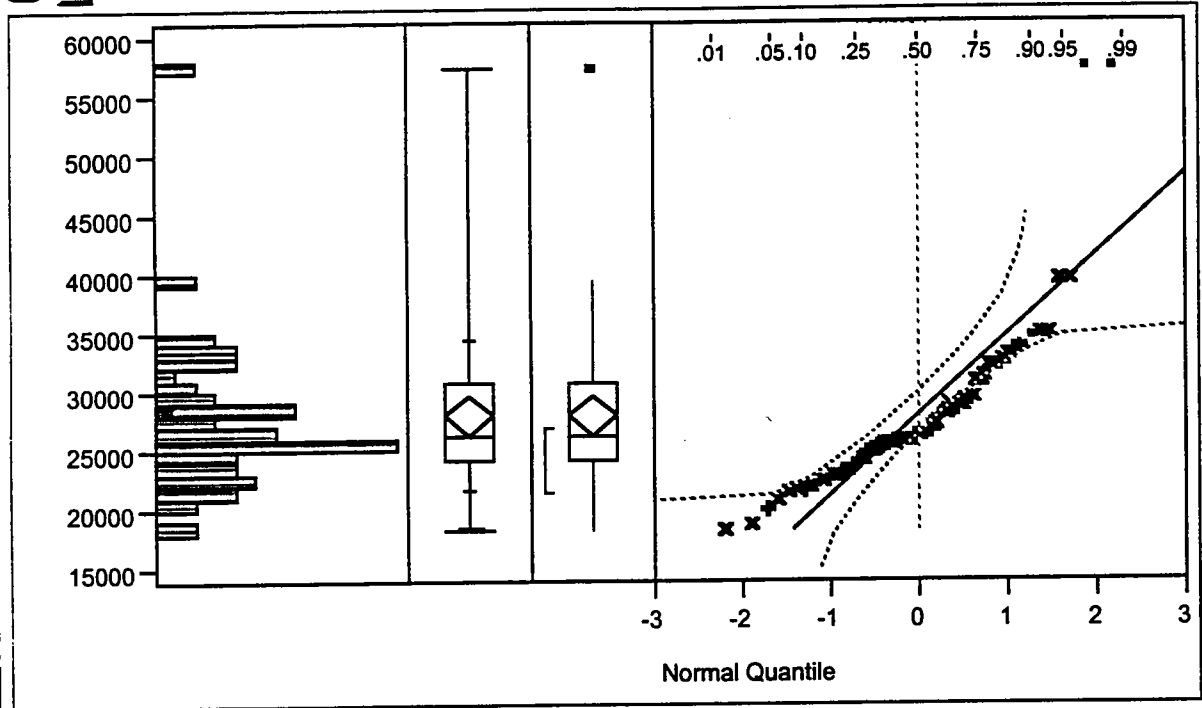
| Means and Std Deviations |        |        |         |              |
|--------------------------|--------|--------|---------|--------------|
| Level                    | Number | Mean   | Std Dev | Std Err Mean |
| B                        | 18     | 401139 | 92710   | 21852        |
| M                        | 26     | 518692 | 66134   | 12970        |
| T                        | 26     | 593596 | 198993  | 39026        |

Means Comparisons

| Wilcoxon / Kruskal-Wallis Tests (Rank Sums) |       |           |            |                   |
|---------------------------------------------|-------|-----------|------------|-------------------|
| Level                                       | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
| B                                           | 18    | 289.5     | 16.0833    | -4.690            |
| M                                           | 26    | 969.5     | 37.2885    | 0.559             |
| T                                           | 26    | 1226      | 47.1538    | 3.677             |

| 1-way Test, Chi-Square Approximation |    |            |
|--------------------------------------|----|------------|
| ChiSquare                            | DF | Prob>ChiSq |
| 25.1156                              | 2  | <.0001     |

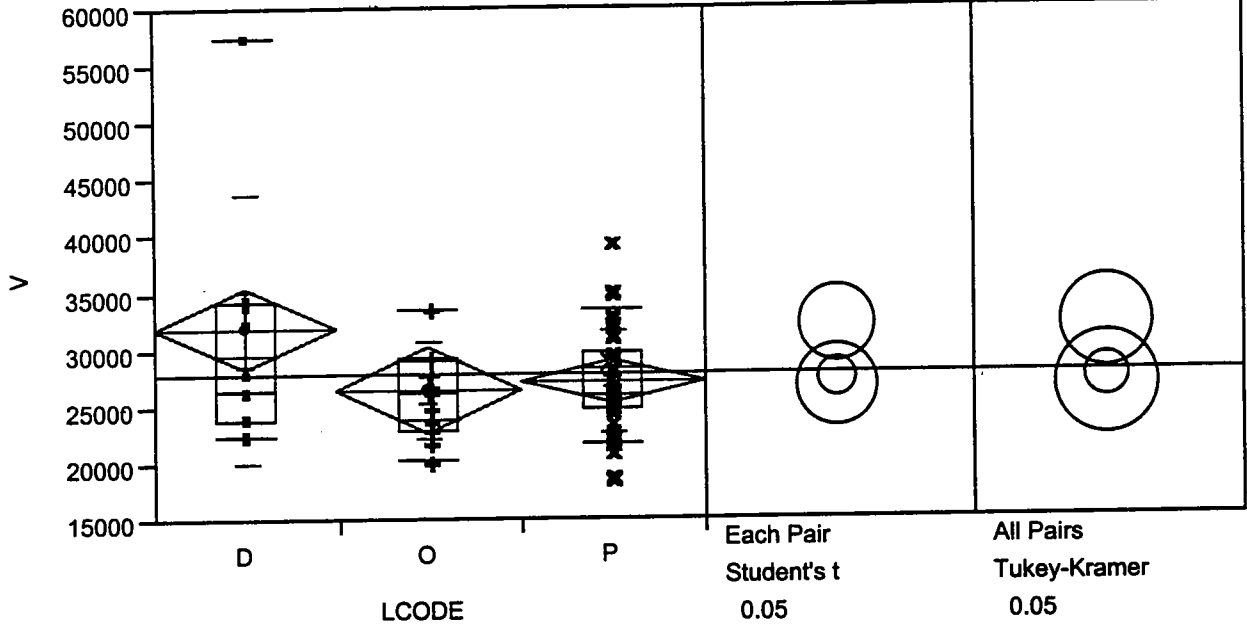


| Quantiles |        |       |
|-----------|--------|-------|
| maximum   | 100.0% | 57500 |
|           | 99.5%  | 57500 |
|           | 97.5%  | 57423 |
|           | 90.0%  | 34520 |
| quartile  | 75.0%  | 30900 |
| median    | 50.0%  | 26300 |
| quartile  | 25.0%  | 24100 |
|           | 10.0%  | 21810 |
|           | 2.5%   | 18633 |
|           | 0.5%   | 18400 |
| minimum   | 0.0%   | 18400 |

| Moments        |          |
|----------------|----------|
| Mean           | 27975.71 |
| Std Dev        | 6792.59  |
| Std Error Mean | 811.87   |
| Upper 95% Mean | 29595.35 |
| Lower 95% Mean | 26356.08 |
| N              | 70.00    |
| Sum Weights    | 70.00    |
| Sum            | 1958300  |
| Variance       | 46139257 |
| Skewness       | 2.44     |
| Kurtosis       | 8.68     |
| CV             | 24.28    |

| Test for Normality  |        |
|---------------------|--------|
| Shapiro-Wilk W Test |        |
| W                   | Prob<W |
| 0.794876            | <.0001 |

**V By LCODE**



Analysis  Display

**Quantiles**

| Level | minimum | 10.0% | 25.0% | median | 75.0% | 90.0% | maximum |
|-------|---------|-------|-------|--------|-------|-------|---------|
| D     | 22200   | 22400 | 24000 | 26600  | 34200 | 57460 | 57500   |
| O     | 20100   | 20440 | 23000 | 26200  | 29400 | 33680 | 33700   |
| P     | 18400   | 21640 | 24750 | 25900  | 29850 | 33540 | 39400   |

**Oneway Anova**

**Means and Std Deviations**

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| D     | 13     | 31992.3 | 11986.1 | 3324.4       |
| O     | 11     | 26445.5 | 4451.4  | 1342.1       |
| P     | 46     | 27206.5 | 4711.1  | 694.6        |

**Means Comparisons**

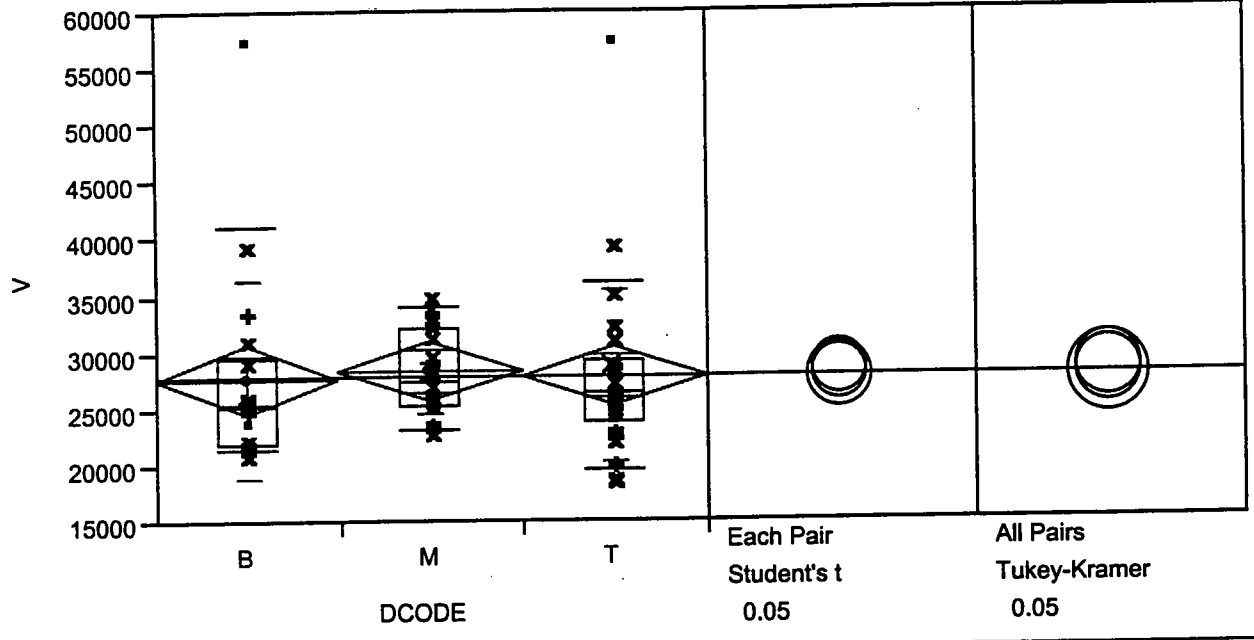
**Wilcoxon / Kruskal-Wallis Tests (Rank Sums)**

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| D     | 13    | 532.5     | 40.9615    | 1.065             |
| O     | 11    | 349.5     | 31.7727    | -0.654            |
| P     | 46    | 1603      | 34.8478    | -0.365            |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 1.3528    | 2  | 0.5084     |

V By DCODE



Analysis  Display

Quantiles

| Level | minimum | 10.0% | 25.0% | median | 75.0% | 90.0% | maximum |
|-------|---------|-------|-------|--------|-------|-------|---------|
| B     | 20700   | 21420 | 22100 | 25400  | 29625 | 41200 | 57400   |
| M     | 22700   | 23220 | 25400 | 27400  | 32225 | 34040 | 34800   |
| T     | 18400   | 19680 | 23900 | 26500  | 29325 | 36250 | 57500   |

Oneway Anova

Means and Std Deviations

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| B     | 18     | 27638.9 | 8841.02 | 2083.8       |
| M     | 26     | 28280.8 | 3854.14 | 755.9        |
| T     | 26     | 27903.8 | 7691.21 | 1508.4       |

Means Comparisons

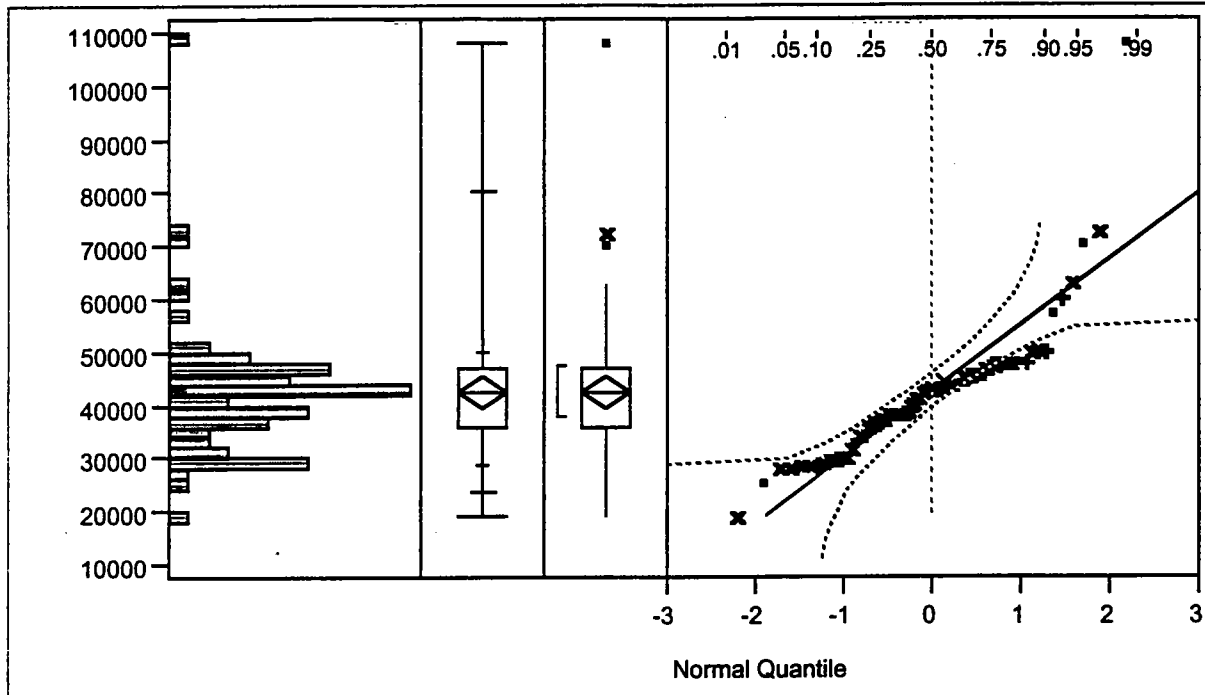
Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| B     | 18    | 521       | 28.9444    | -1.579            |
| M     | 26    | 1055      | 40.5769    | 1.599             |
| T     | 26    | 909       | 34.9615    | -0.164            |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 3.5048    | 2  | 0.1734     |

Zn



Quantiles

|          |        |        |
|----------|--------|--------|
| maximum  | 100.0% | 108000 |
|          | 99.5%  | 108000 |
|          | 97.5%  | 80255  |
|          | 90.0%  | 50100  |
| quartile | 75.0%  | 47150  |
| median   | 50.0%  | 42750  |
| quartile | 25.0%  | 35900  |
|          | 10.0%  | 28710  |
|          | 2.5%   | 23983  |
|          | 0.5%   | 19100  |
| minimum  | 0.0%   | 19100  |

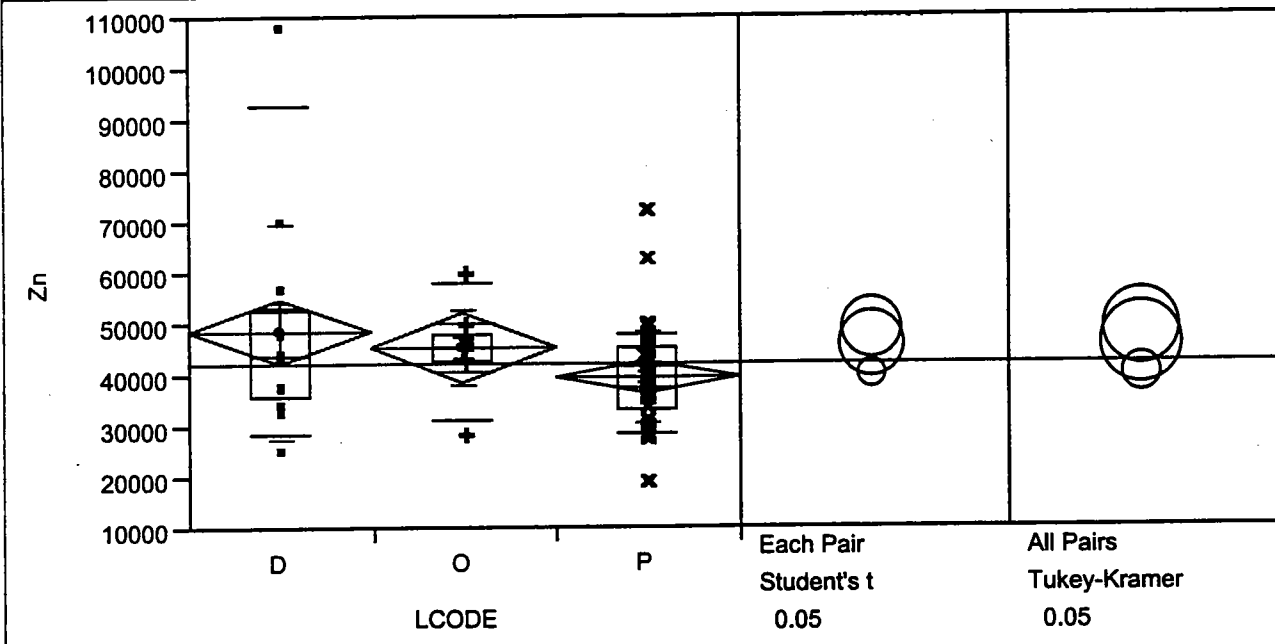
Moments

|                |           |
|----------------|-----------|
| Mean           | 42441.43  |
| Std Dev        | 12479.70  |
| Std Error Mean | 1491.61   |
| Upper 95% Mean | 45417.11  |
| Lower 95% Mean | 39465.74  |
| N              | 70.00     |
| Sum Weights    | 70.00     |
| Sum            | 2970900   |
| Variance       | 155742896 |
| Skewness       | 2.32      |
| Kurtosis       | 10.52     |
| CV             | 29.40     |

Test for Normality

|                     |        |
|---------------------|--------|
| Shapiro-Wilk W Test |        |
| W                   | Prob<W |
| 0.838608            | <.0001 |

**Zn By LCODE**



Analysis  Display

**Quantiles**

| Level | minimum | 10.0% | 25.0% | median | 75.0%   | 90.0% | maximum |
|-------|---------|-------|-------|--------|---------|-------|---------|
| D     | 25400   | 28440 | 36150 | 43900  | 52750   | 92880 | 108000  |
| O     | 28700   | 31580 | 43100 | 45600  | 48400   | 58100 | 60100   |
| P     | 19100   | 28495 | 33225 | 39900  | 45537.5 | 48310 | 72200   |

**Oneway Anova**

**Means and Std Deviations**

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| D     | 13     | 48684.6 | 21085.9 | 5848.2       |
| O     | 11     | 45563.6 | 7376.4  | 2224.1       |
| P     | 46     | 39930.4 | 9384.1  | 1383.6       |

**Means Comparisons**

**Wilcoxon / Kruskal-Wallis Tests (Rank Sums)**

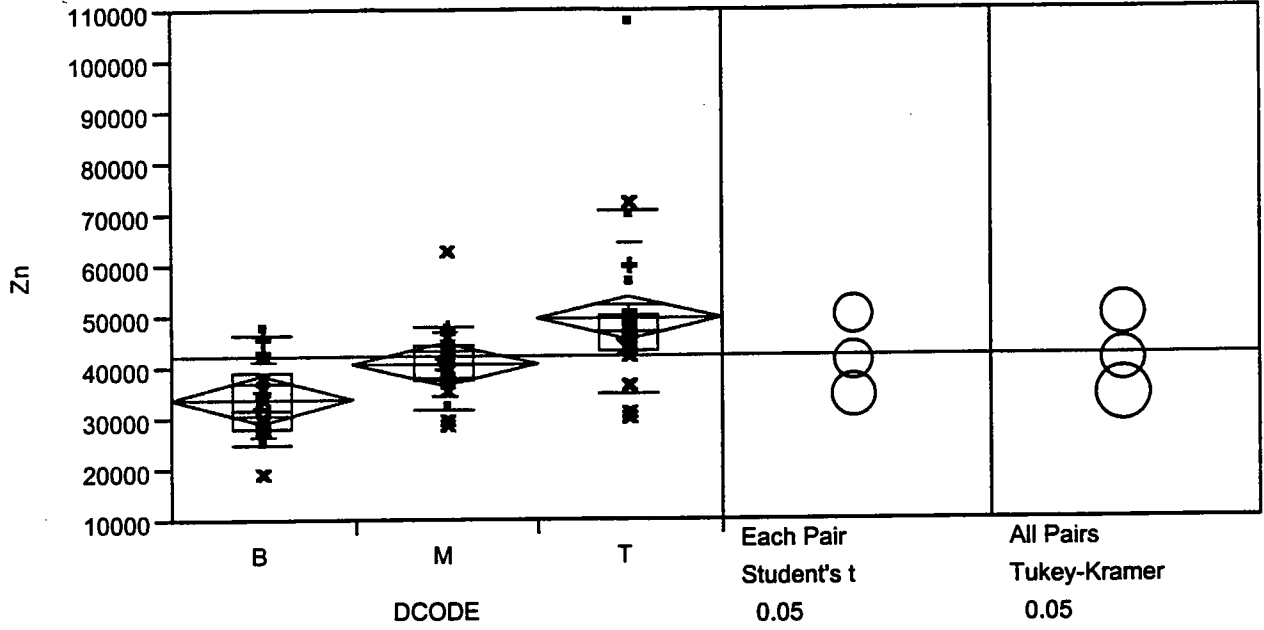
| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| D     | 13    | 535       | 41.1538    | 1.103             |
| O     | 11    | 513       | 46.6364    | 1.969             |
| P     | 46    | 1437      | 31.2391    | -2.419            |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 6.3151    | 2  | 0.0425     |



**Zn By DCODE**



Analysis Display

**Quantiles**

| Level | minimum | 10.0% | 25.0%   | median | 75.0% | 90.0% | maximum |
|-------|---------|-------|---------|--------|-------|-------|---------|
| B     | 19100   | 24770 | 28212.5 | 32000  | 39375 | 46500 | 48300   |
| M     | 28600   | 31950 | 37550   | 40650  | 44250 | 48400 | 63000   |
| T     | 30200   | 35140 | 43575   | 46875  | 50100 | 70800 | 108000  |

**Oneway Anova**

**Means and Std Deviations**

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| B     | 18     | 33725.0 | 7829.4  | 1845.4       |
| M     | 26     | 41038.5 | 6789.4  | 1331.5       |
| T     | 26     | 49878.8 | 15092.8 | 2959.9       |

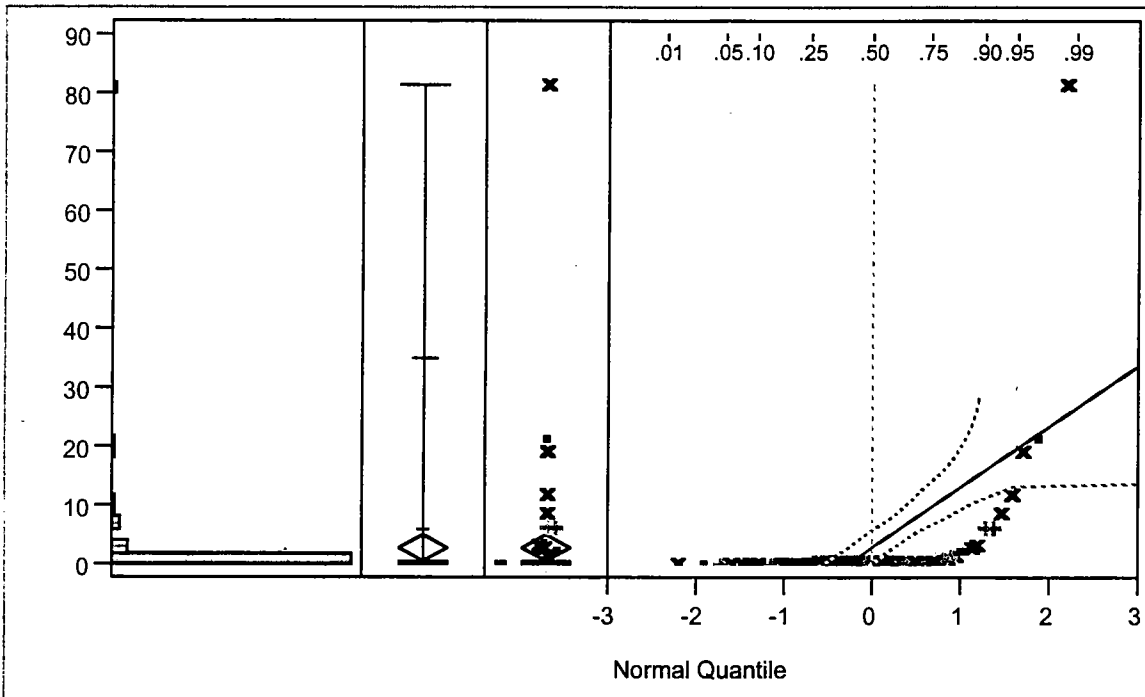
**Means Comparisons**

**Wilcoxon / Kruskal-Wallis Tests (Rank Sums)**

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| B     | 18    | 336       | 18.6667    | -4.065            |
| M     | 26    | 859.5     | 33.0577    | -0.766            |
| T     | 26    | 1289.5    | 49.5962    | 4.449             |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 25.1691   | 2  | <.0001     |



Quantiles

|          |        |        |
|----------|--------|--------|
| maximum  | 100.0% | 81.700 |
|          | 99.5%  | 81.700 |
|          | 97.5%  | 35.072 |
|          | 90.0%  | 6.348  |
| quartile | 75.0%  | 0.900  |
| median   | 50.0%  | 0.555  |
| quartile | 25.0%  | 0.433  |
|          | 10.0%  | 0.363  |
|          | 2.5%   | 0.337  |
|          | 0.5%   | 0.336  |
| minimum  | 0.0%   | 0.336  |

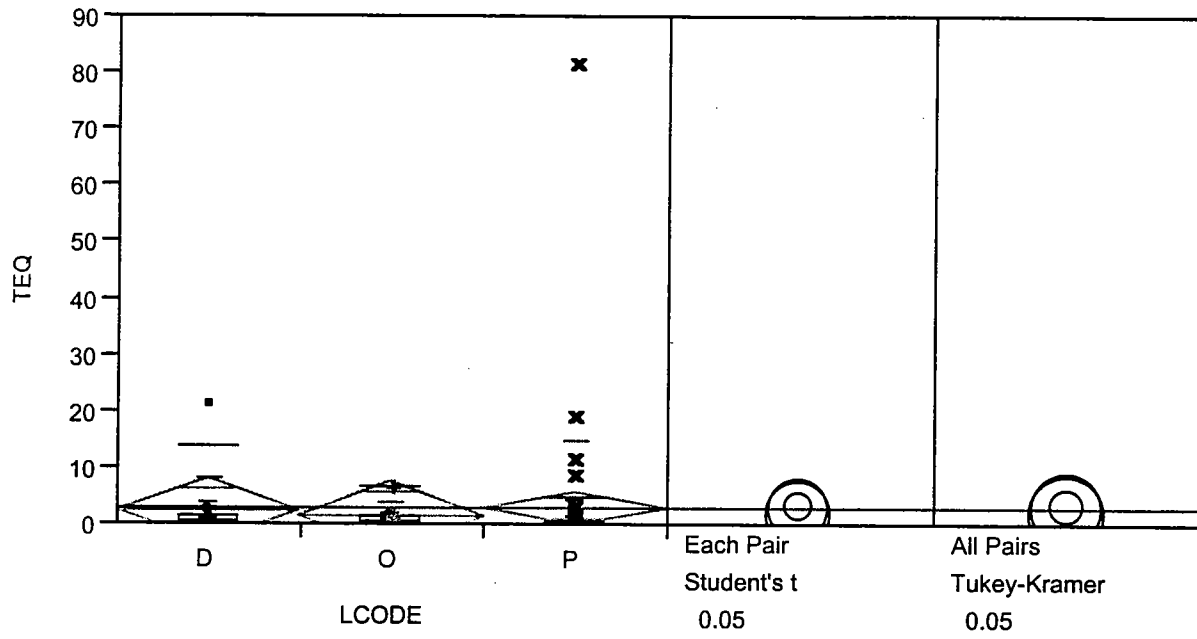
Moments

|                |           |
|----------------|-----------|
| Mean           | 2.90842   |
| Std Dev        | 10.27682  |
| Std Error Mean | 1.22832   |
| Upper 95% Mean | 5.35885   |
| Lower 95% Mean | 0.45800   |
| N              | 70.00000  |
| Sum Weights    | 70.00000  |
| Sum            | 203.58964 |
| Variance       | 105.61311 |
| Skewness       | 6.87779   |
| Kurtosis       | 51.78110  |
| CV             | 353.34688 |

Test for Normality

|                     |        |
|---------------------|--------|
| Shapiro-Wilk W Test |        |
| W                   | Prob<W |
| 0.274132            | 0.0000 |

TEQ By LCODE



Analysis Display

Quantiles

| Level | minimum  | 10.0%    | 25.0%    | median   | 75.0%    | 90.0%   | maximum |
|-------|----------|----------|----------|----------|----------|---------|---------|
| D     | 0.337375 | 0.349857 | 0.4543   | 0.71455  | 1.64755  | 13.9138 | 21.535  |
| O     | 0.3471   | 0.3524   | 0.53035  | 0.8157   | 1.5478   | 6.7882  | 6.811   |
| P     | 0.33614  | 0.360639 | 0.418938 | 0.499003 | 0.756585 | 4.85735 | 81.7    |

Oneway Anova

Means and Std Deviations

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| D     | 13     | 2.49160 | 5.7657  | 1.5991       |
| O     | 11     | 1.87945 | 2.4345  | 0.7340       |
| P     | 46     | 3.27228 | 12.3010 | 1.8137       |

Means Comparisons

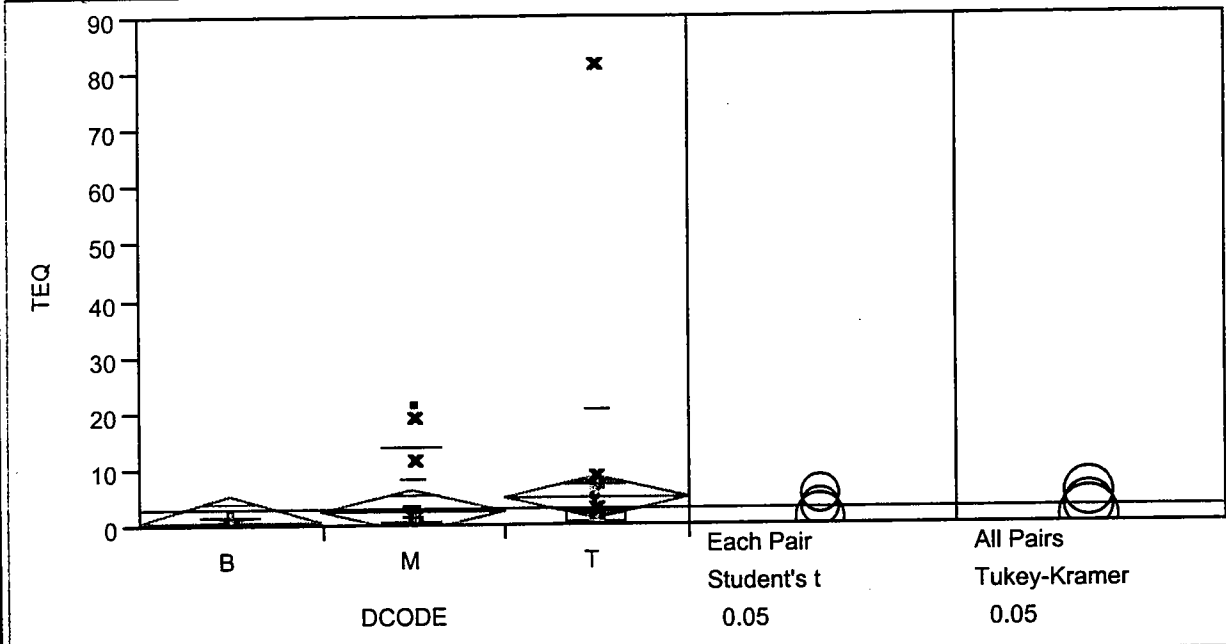
Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| D     | 13    | 505       | 38.8462    | 0.649             |
| O     | 11    | 482       | 43.8182    | 1.469             |
| P     | 46    | 1498      | 32.5652    | -1.664            |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 3.1458    | 2  | 0.2074     |

TEQ By DCODE



Analysis Display

Quantiles

| Level | minimum  | 10.0%    | 25.0%    | median   | 75.0%    | 90.0%    | maximum |
|-------|----------|----------|----------|----------|----------|----------|---------|
| B     | 0.3736   | 0.384161 | 0.459438 | 0.534228 | 0.74427  | 1.64122  | 2.482   |
| M     | 0.33614  | 0.344183 | 0.427737 | 0.524575 | 0.93075  | 14.10715 | 21.535  |
| T     | 0.349695 | 0.363825 | 0.421113 | 0.63915  | 2.536825 | 7.3777   | 81.7    |

Oneway Anova

Means and Std Deviations

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| B     | 18     | 0.70063 | 0.5180  | 0.1221       |
| M     | 26     | 2.59669 | 5.7158  | 1.1210       |
| T     | 26     | 4.74863 | 15.8590 | 3.1102       |

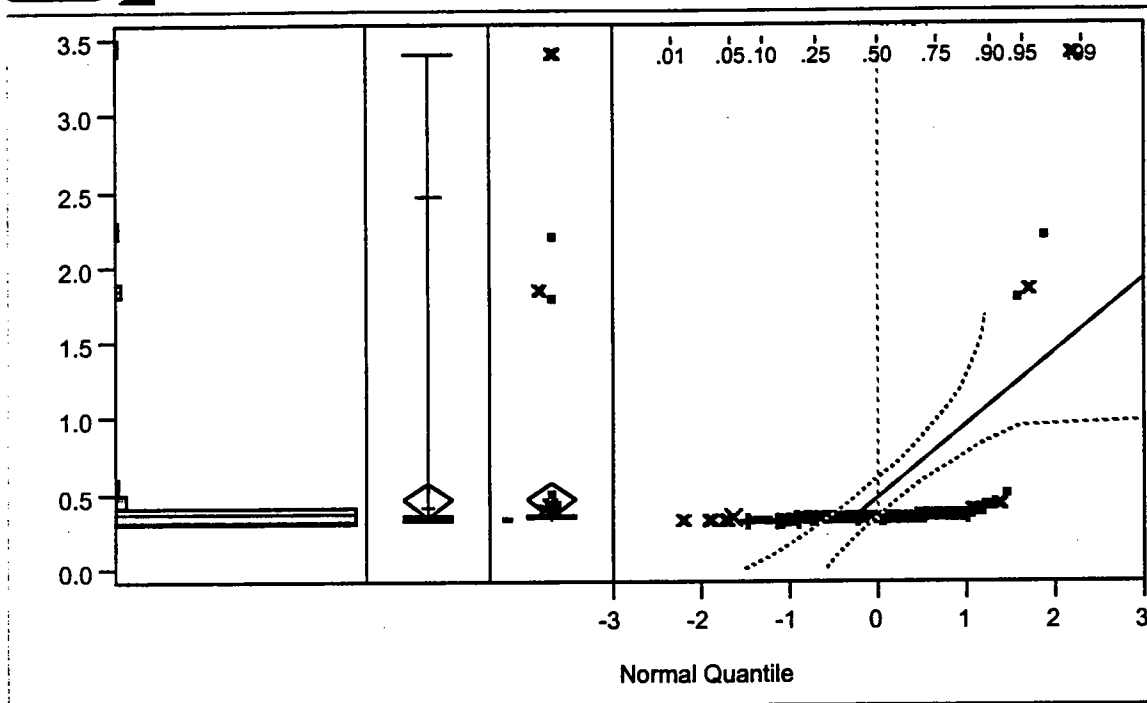
Means Comparisons

Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| B     | 18    | 587       | 32.6111    | -0.692            |
| M     | 26    | 901       | 34.6538    | -0.261            |
| T     | 26    | 997       | 38.3462    | 0.893             |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 0.9162    | 2  | 0.6325     |



**Quantiles**

|          |        |        |
|----------|--------|--------|
| maximum  | 100.0% | 3.4000 |
|          | 99.5%  | 3.4000 |
|          | 97.5%  | 2.4700 |
|          | 90.0%  | 0.4235 |
| quartile | 75.0%  | 0.3562 |
| median   | 50.0%  | 0.3450 |
| quartile | 25.0%  | 0.3400 |
|          | 10.0%  | 0.3350 |
|          | 2.5%   | 0.3289 |
|          | 0.5%   | 0.3250 |
| minimum  | 0.0%   | 0.3250 |

**Moments**

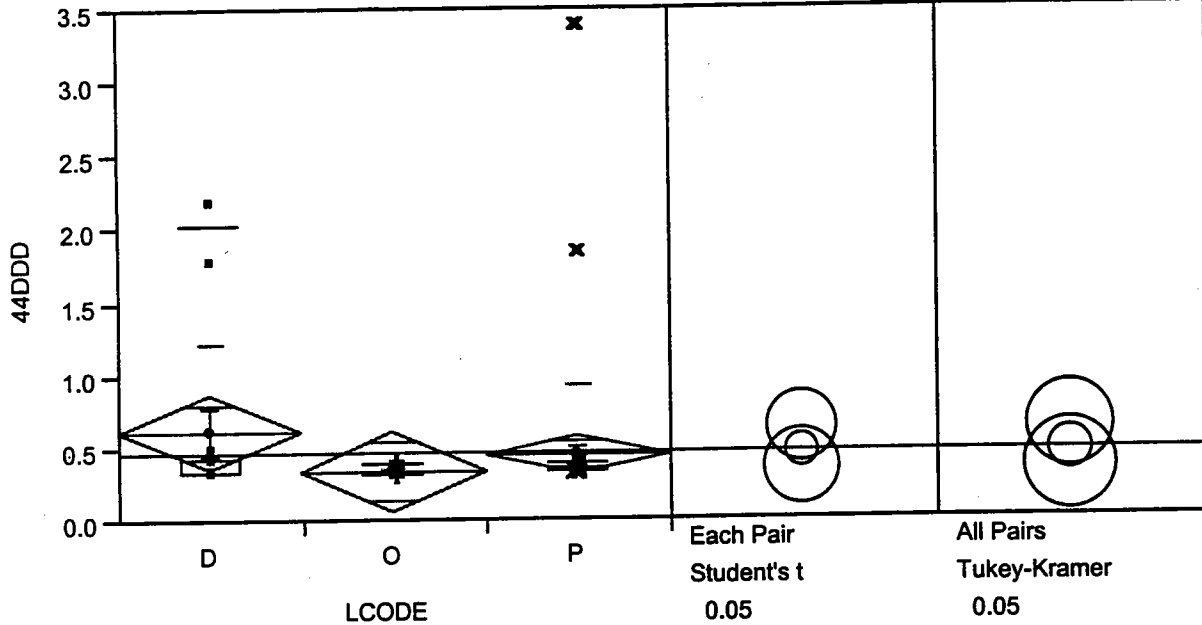
|                |           |
|----------------|-----------|
| Mean           | 0.46396   |
| Std Dev        | 0.48457   |
| Std Error Mean | 0.05792   |
| Upper 95% Mean | 0.57951   |
| Lower 95% Mean | 0.34842   |
| N              | 70.00000  |
| Sum Weights    | 70.00000  |
| Sum            | 32.47750  |
| Variance       | 0.23480   |
| Skewness       | 4.64913   |
| Kurtosis       | 22.73886  |
| CV             | 104.44026 |

**Test for Normality**

Shapiro-Wilk W Test

|          |        |
|----------|--------|
| W        | Prob<W |
| 0.300052 | 0.0000 |

44DDD By LCODE



Analysis Display

Quantiles

| Level | minimum | 10.0%  | 25.0%  | median | 75.0%  | 90.0% | maximum |
|-------|---------|--------|--------|--------|--------|-------|---------|
| D     | 0.335   | 0.335  | 0.3375 | 0.345  | 0.4625 | 2.04  | 2.2     |
| O     | 0.33    | 0.331  | 0.335  | 0.34   | 0.345  | 0.402 | 0.41    |
| P     | 0.325   | 0.3335 | 0.34   | 0.35   | 0.355  | 0.39  | 3.4     |

Oneway Anova

Means and Std Deviations

| Level | Number | Mean     | Std Dev  | Std Err Mean |
|-------|--------|----------|----------|--------------|
| D     | 13     | 0.616538 | 0.621190 | 0.17229      |
| O     | 11     | 0.347727 | 0.023169 | 0.00699      |
| P     | 46     | 0.448641 | 0.496734 | 0.07324      |

Means Comparisons

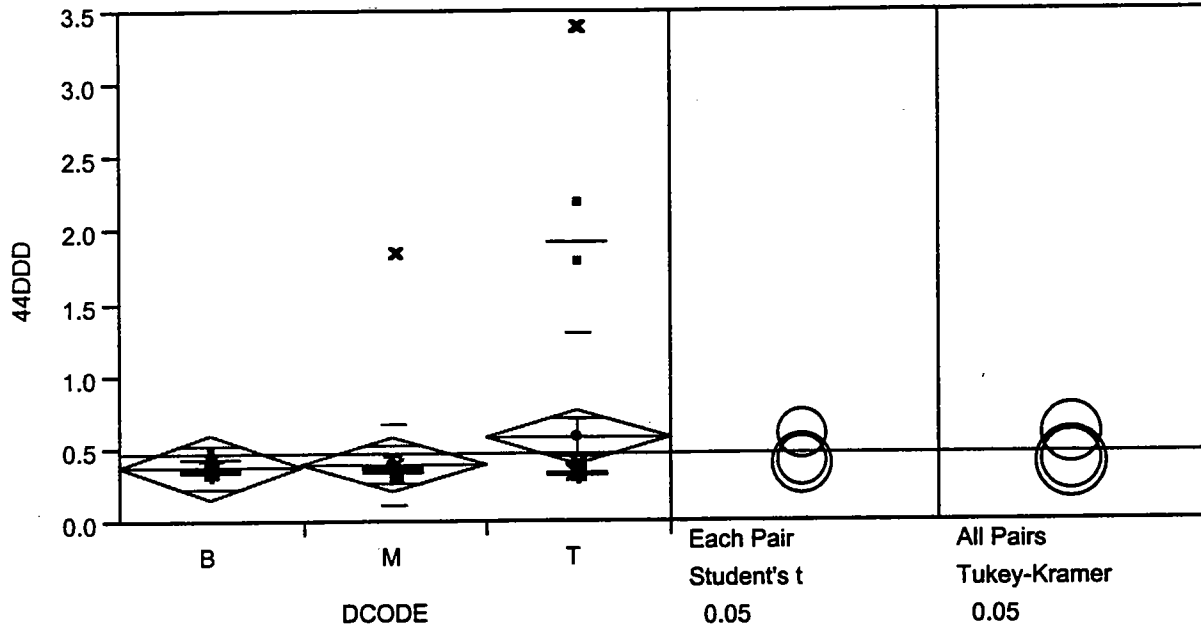
Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| D     | 13    | 517       | 39.7692    | 0.838             |
| O     | 11    | 289       | 26.2727    | -1.644            |
| P     | 46    | 1679      | 36.5000    | 0.568             |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 2.9954    | 2  | 0.2236     |

44DDD By DCODE



Analysis  Display

Quantiles

| Level | minimum | 10.0% | 25.0%   | median | 75.0% | 90.0%  | maximum |
|-------|---------|-------|---------|--------|-------|--------|---------|
| B     | 0.345   | 0.345 | 0.35    | 0.355  | 0.38  | 0.4325 | 0.5     |
| M     | 0.325   | 0.335 | 0.33875 | 0.345  | 0.355 | 0.3725 | 1.845   |
| T     | 0.33    | 0.33  | 0.335   | 0.34   | 0.35  | 1.92   | 3.4     |

Oneway Anova

Means and Std Deviations

| Level | Number | Mean     | Std Dev  | Std Err Mean |
|-------|--------|----------|----------|--------------|
| B     | 18     | 0.373056 | 0.041200 | 0.00971      |
| M     | 26     | 0.404038 | 0.294194 | 0.05770      |
| T     | 26     | 0.586827 | 0.731416 | 0.14344      |

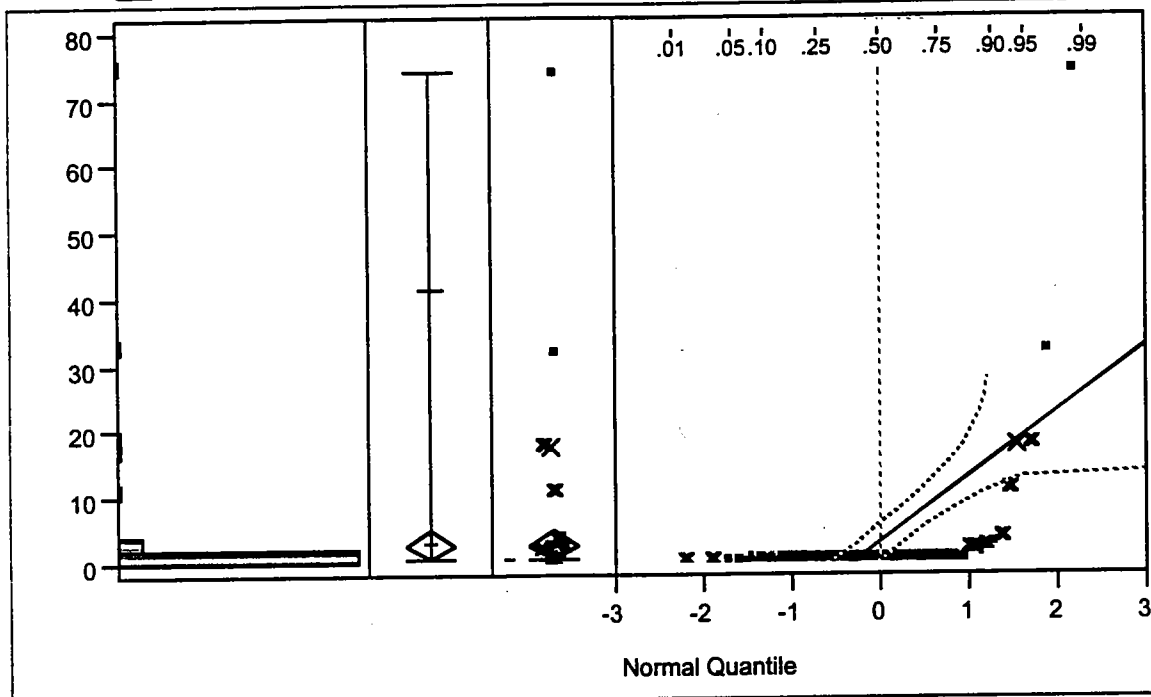
Means Comparisons

Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| B     | 18    | 909       | 50.5000    | 3.653             |
| M     | 26    | 848       | 32.6154    | -0.913            |
| T     | 26    | 728       | 28.0000    | -2.384            |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 14.0715   | 2  | 0.0009     |



**Quantiles**

|          |        |        |
|----------|--------|--------|
| maximum  | 100.0% | 74.000 |
|          | 99.5%  | 74.000 |
|          | 97.5%  | 41.450 |
|          | 90.0%  | 3.136  |
| quartile | 75.0%  | 0.510  |
| median   | 50.0%  | 0.480  |
| quartile | 25.0%  | 0.465  |
|          | 10.0%  | 0.461  |
|          | 2.5%   | 0.454  |
|          | 0.5%   | 0.450  |
| minimum  | 0.0%   | 0.450  |

**Moments**

|                |           |
|----------------|-----------|
| Mean           | 2.80807   |
| Std Dev        | 9.88379   |
| Std Error Mean | 1.18134   |
| Upper 95% Mean | 5.16478   |
| Lower 95% Mean | 0.45136   |
| N              | 70.00000  |
| Sum Weights    | 70.00000  |
| Sum            | 196.56500 |
| Variance       | 97.68925  |
| Skewness       | 6.05502   |
| Kurtosis       | 40.78905  |
| CV             | 351.97778 |

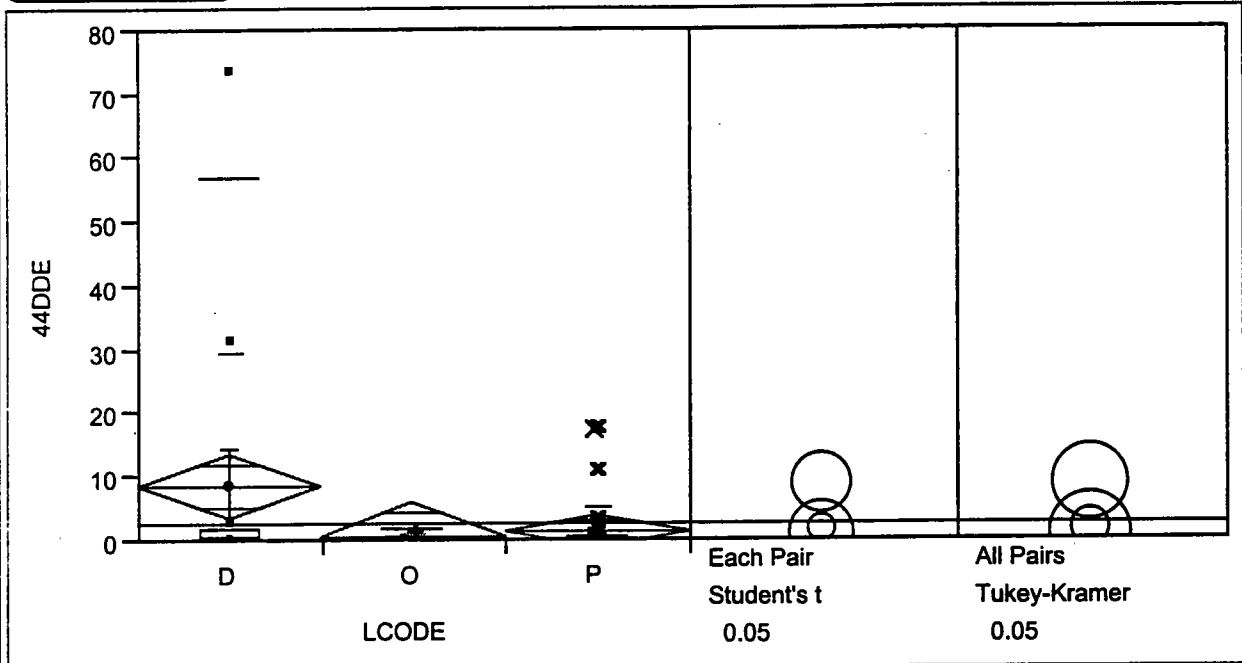
**Test for Normality**

Shapiro-Wilk W Test

|          |        |
|----------|--------|
| W        | Prob<W |
| 0.279403 | 0.0000 |



44DDE By LCODE



Analysis  Display

**Quantiles**

| Level | minimum | 10.0% | 25.0%   | median | 75.0% | 90.0% | maximum |
|-------|---------|-------|---------|--------|-------|-------|---------|
| D     | 0.46    | 0.46  | 0.4675  | 0.485  | 1.95  | 57.2  | 74      |
| O     | 0.46    | 0.46  | 0.465   | 0.465  | 0.5   | 1.79  | 2.1     |
| P     | 0.45    | 0.465 | 0.46875 | 0.48   | 0.5   | 2.932 | 18      |

**Oneway Anova**

**Means and Std Deviations**

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| D     | 13     | 8.79115 | 21.4246 | 5.9421       |
| O     | 11     | 0.62500 | 0.4899  | 0.1477       |
| P     | 46     | 1.63924 | 3.7987  | 0.5601       |

**Means Comparisons**

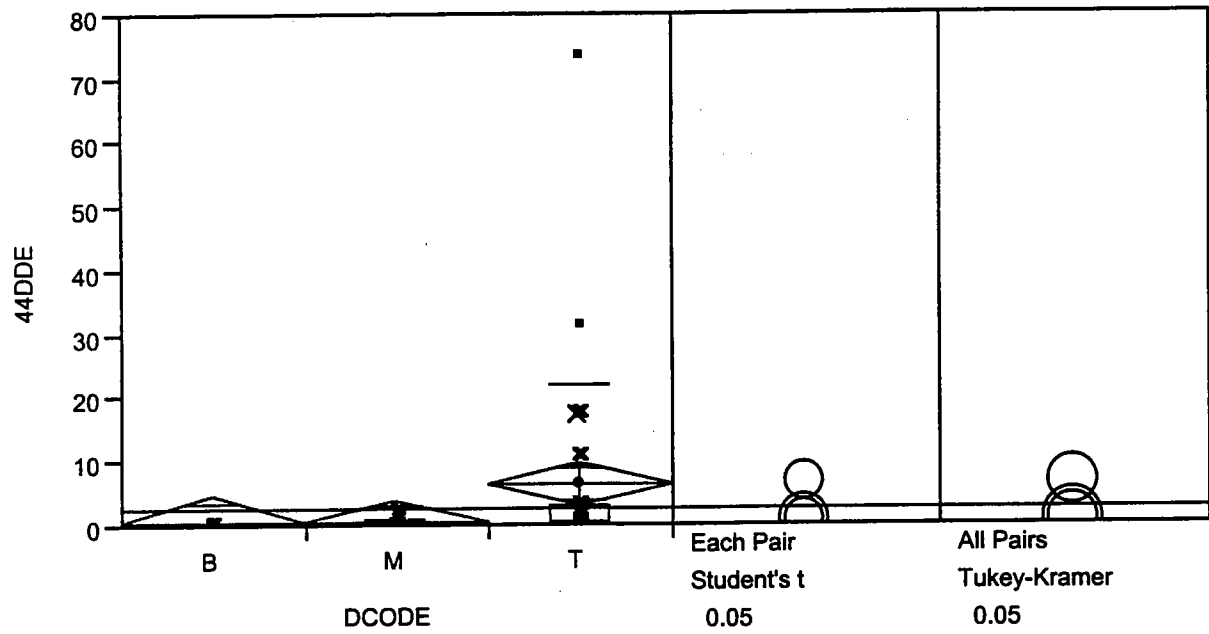
**Wilcoxon / Kruskal-Wallis Tests (Rank Sums)**

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| D     | 13    | 516.5     | 39.7308    | 0.827             |
| O     | 11    | 287       | 26.0909    | -1.670            |
| P     | 46    | 1681.5    | 36.5543    | 0.597             |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 3.0662    | 2  | 0.2159     |

44DDE By DCODE



Analysis  Display

Quantiles

| Level | minimum | 10.0%  | 25.0% | median | 75.0%   | 90.0% | maximum |
|-------|---------|--------|-------|--------|---------|-------|---------|
| B     | 0.47    | 0.4745 | 0.48  | 0.49   | 0.5125  | 0.61  | 0.7     |
| M     | 0.45    | 0.46   | 0.465 | 0.4725 | 0.48625 | 1.015 | 2.56    |
| T     | 0.455   | 0.46   | 0.465 | 0.475  | 3.35    | 22.2  | 74      |

Oneway Anova

Means and Std Deviations

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| B     | 18     | 0.51417 | 0.0608  | 0.0143       |
| M     | 26     | 0.61885 | 0.5083  | 0.0997       |
| T     | 26     | 6.58538 | 15.6764 | 3.0744       |

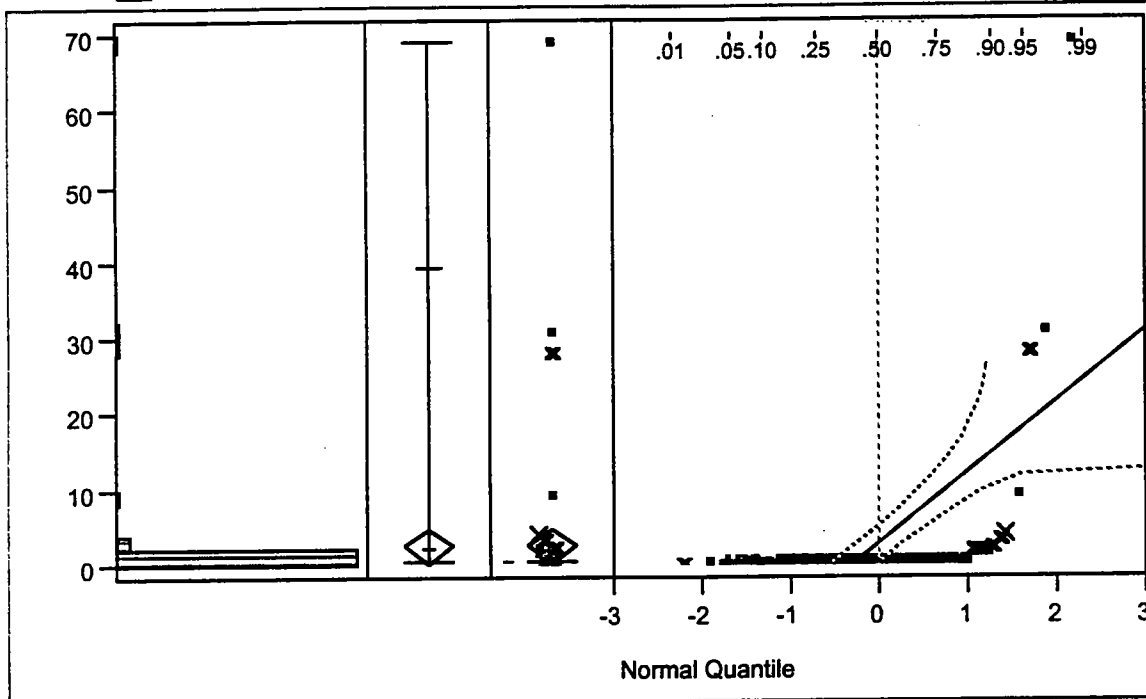
Means Comparisons

Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| B     | 18    | 799.5     | 44.4167    | 2.160             |
| M     | 26    | 756       | 29.0769    | -2.034            |
| T     | 26    | 929.5     | 35.7500    | 0.073             |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 6.1082    | 2  | 0.0472     |



**Quantiles**

|          |        |        |
|----------|--------|--------|
| maximum  | 100.0% | 69.000 |
|          | 99.5%  | 69.000 |
|          | 97.5%  | 39.550 |
|          | 90.0%  | 2.184  |
| quartile | 75.0%  | 0.401  |
| median   | 50.0%  | 0.380  |
| quartile | 25.0%  | 0.370  |
|          | 10.0%  | 0.370  |
|          | 2.5%   | 0.363  |
|          | 0.5%   | 0.355  |
| minimum  | 0.0%   | 0.355  |

**Moments**

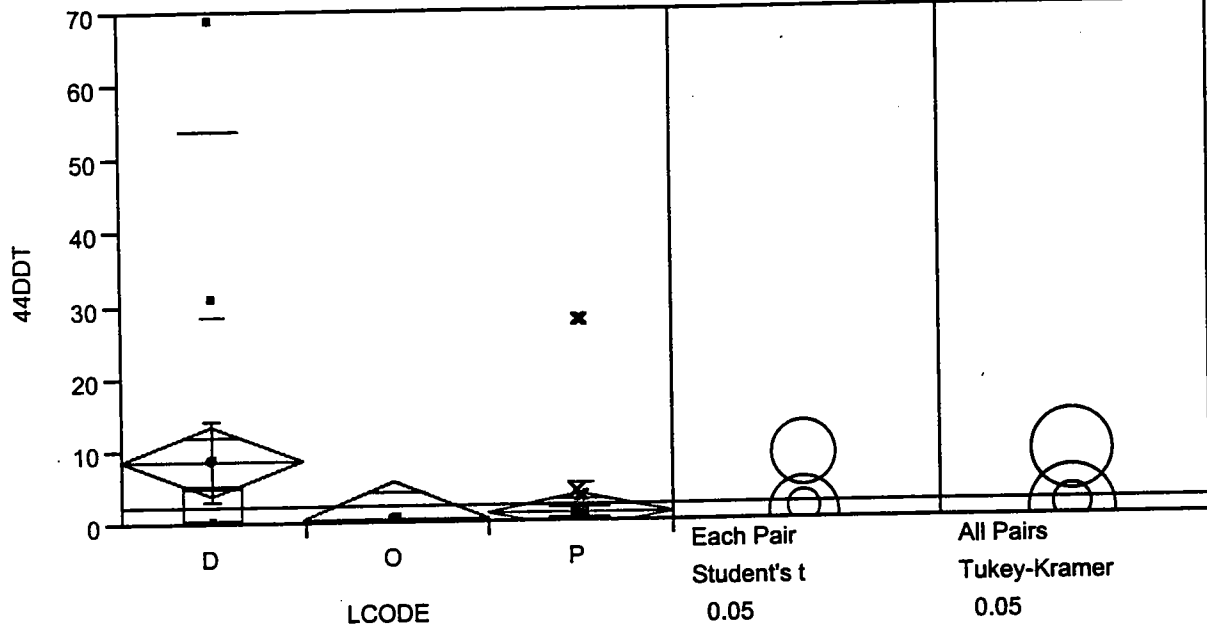
|                |           |
|----------------|-----------|
| Mean           | 2.50771   |
| Std Dev        | 9.48014   |
| Std Error Mean | 1.13309   |
| Upper 95% Mean | 4.76818   |
| Lower 95% Mean | 0.24725   |
| N              | 70.00000  |
| Sum Weights    | 70.00000  |
| Sum            | 175.54000 |
| Variance       | 89.87300  |
| Skewness       | 5.83802   |
| Kurtosis       | 37.24835  |
| CV             | 378.03896 |

**Test for Normality**

Shapiro-Wilk W Test

|          |        |
|----------|--------|
| W        | Prob<W |
| 0.262817 | 0.0000 |

44DDT By LCODE



Analysis  Display

Quantiles

| Level | minimum | 10.0% | 25.0%   | median | 75.0% | 90.0%  | maximum |
|-------|---------|-------|---------|--------|-------|--------|---------|
| D     | 0.365   | 0.367 | 0.3725  | 0.385  | 4.875 | 53.8   | 69      |
| O     | 0.365   | 0.365 | 0.365   | 0.37   | 0.38  | 0.441  | 0.45    |
| P     | 0.355   | 0.37  | 0.37375 | 0.3825 | 0.4   | 2.0845 | 28      |

Oneway Anova

Means and Std Deviations

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| D     | 13     | 8.71038 | 20.0457 | 5.5597       |
| O     | 11     | 0.38045 | 0.0257  | 0.0078       |
| P     | 46     | 1.26348 | 4.1045  | 0.6052       |

Means Comparisons

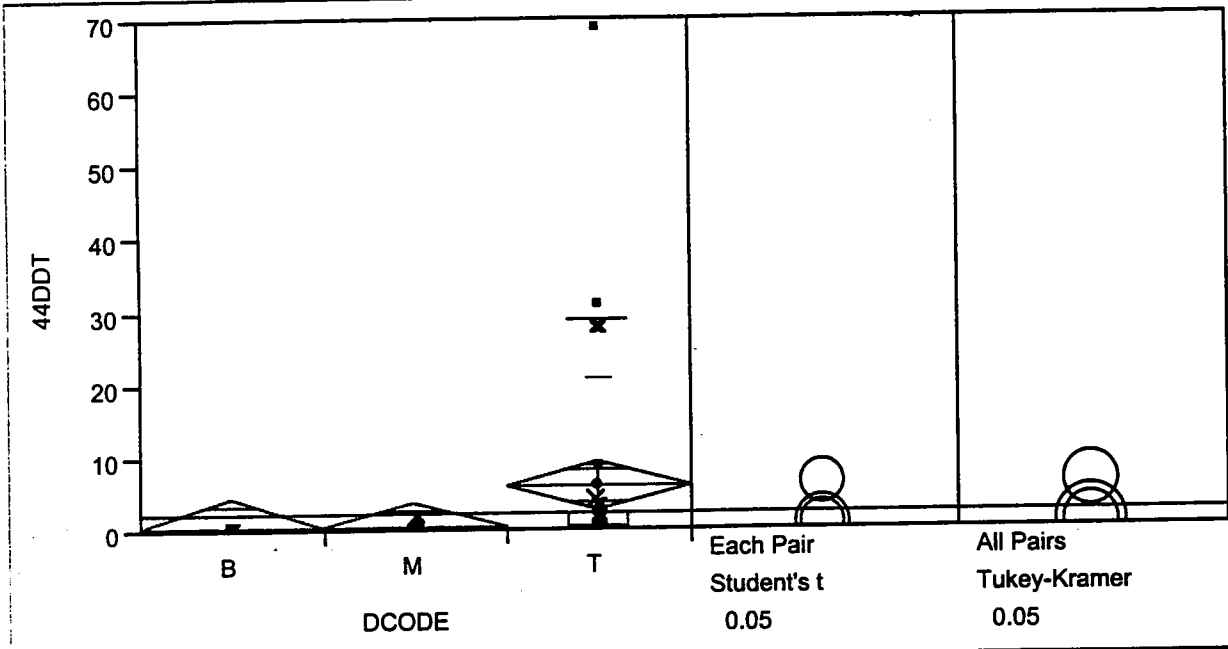
Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| D     | 13    | 538       | 41.3846    | 1.157             |
| O     | 11    | 236.5     | 21.5000    | -2.496            |
| P     | 46    | 1710.5    | 37.1848    | 0.960             |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 6.7115    | 2  | 0.0349     |

44DDT By DCODE



Analysis Display

Quantiles

| Level | minimum | 10.0%  | 25.0% | median | 75.0%   | 90.0%  | maximum |
|-------|---------|--------|-------|--------|---------|--------|---------|
| B     | 0.375   | 0.3795 | 0.38  | 0.39   | 0.41625 | 0.4735 | 0.55    |
| M     | 0.355   | 0.365  | 0.37  | 0.375  | 0.38625 | 0.4075 | 2.035   |
| T     | 0.365   | 0.365  | 0.37  | 0.38   | 2.525   | 28.9   | 69      |

Oneway Anova

Means and Std Deviations

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| B     | 18     | 0.40778 | 0.0455  | 0.0107       |
| M     | 26     | 0.44288 | 0.3250  | 0.0637       |
| T     | 26     | 6.02635 | 15.0817 | 2.9578       |

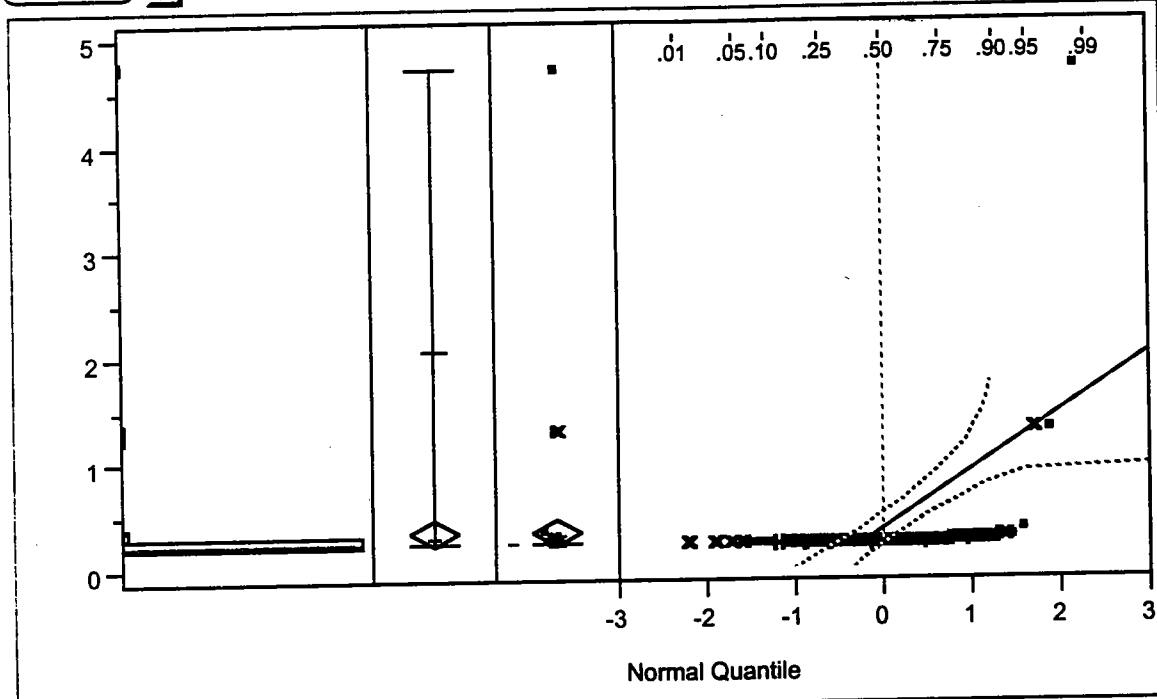
Means Comparisons

Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| B     | 18    | 794       | 44.1111    | 2.092             |
| M     | 26    | 746       | 28.6923    | -2.162            |
| T     | 26    | 945       | 36.3462    | 0.263             |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 6.2739    | 2  | 0.0434     |



**Quantiles**

|          |        |        |
|----------|--------|--------|
| maximum  | 100.0% | 4.7000 |
|          | 99.5%  | 4.7000 |
|          | 97.5%  | 2.0650 |
|          | 90.0%  | 0.2885 |
| quartile | 75.0%  | 0.2500 |
| median   | 50.0%  | 0.2450 |
| quartile | 25.0%  | 0.2400 |
|          | 10.0%  | 0.2350 |
|          | 2.5%   | 0.2300 |
|          | 0.5%   | 0.2300 |
| minimum  | 0.0%   | 0.2300 |

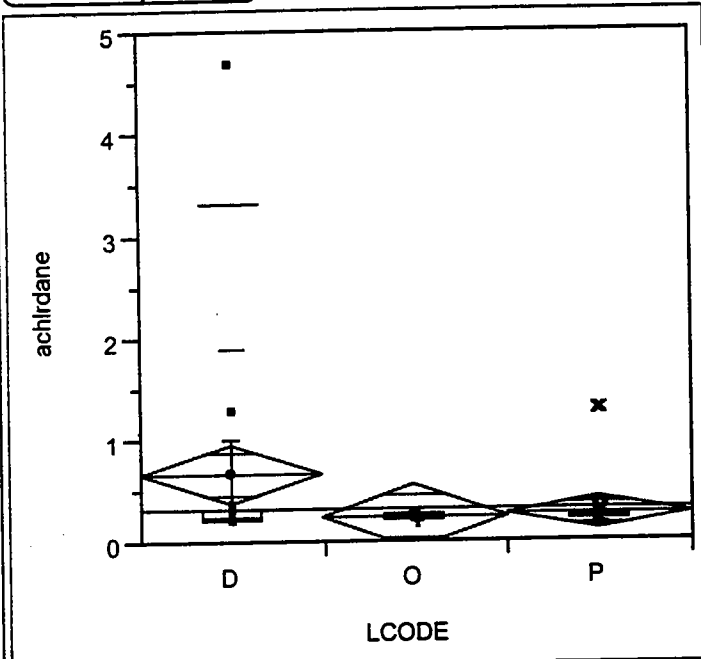
**Moments**

|                |           |
|----------------|-----------|
| Mean           | 0.34143   |
| Std Dev        | 0.55743   |
| Std Error Mean | 0.06663   |
| Upper 95% Mean | 0.47434   |
| Lower 95% Mean | 0.20851   |
| N              | 70.00000  |
| Sum Weights    | 70.00000  |
| Sum            | 23.90000  |
| Variance       | 0.31073   |
| Skewness       | 7.27708   |
| Kurtosis       | 56.23214  |
| CV             | 163.26463 |

**Test for Normality**

|                     |        |
|---------------------|--------|
| Shapiro-Wilk W Test |        |
| W                   | Prob<W |
| 0.206542            | 0.0000 |

achirdane By LCODE



Analysis Display

Quantiles

| Level | minimum | 10.0%  | 25.0%  | median | 75.0% | 90.0%   | maximum |
|-------|---------|--------|--------|--------|-------|---------|---------|
| D     | 0.235   | 0.235  | 0.2375 | 0.245  | 0.335 | 3.34    | 4.7     |
| O     | 0.235   | 0.235  | 0.235  | 0.24   | 0.245 | 0.284   | 0.29    |
| P     | 0.23    | 0.2335 | 0.24   | 0.245  | 0.25  | 0.26375 | 1.295   |

Oneway Anova

Means and Std Deviations

| Level | Number | Mean     | Std Dev | Std Err Mean |
|-------|--------|----------|---------|--------------|
| D     | 13     | 0.680385 | 1.24214 | 0.34451      |
| O     | 11     | 0.245000 | 0.01658 | 0.00500      |
| P     | 46     | 0.268696 | 0.15518 | 0.02288      |

Means Comparisons

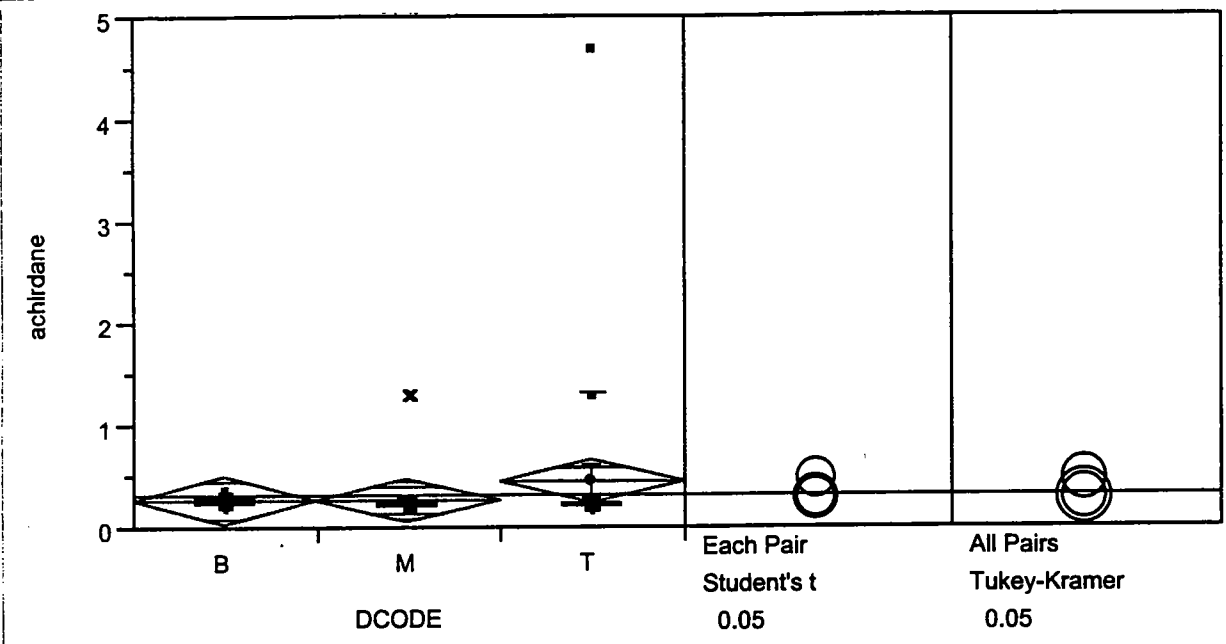
Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| D     | 13    | 530       | 40.7692    | 1.042             |
| O     | 11    | 303       | 27.5455    | -1.424            |
| P     | 46    | 1652      | 35.9130    | 0.232             |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 2.6451    | 2  | 0.2665     |

achirdane By DCODE



Analysis  Display

| Quantiles |         |        |         |        |        |         |         |
|-----------|---------|--------|---------|--------|--------|---------|---------|
| Level     | minimum | 10.0%  | 25.0%   | median | 75.0%  | 90.0%   | maximum |
| B         | 0.24    | 0.2445 | 0.245   | 0.25   | 0.2675 | 0.307   | 0.37    |
| M         | 0.23    | 0.235  | 0.23875 | 0.24   | 0.25   | 0.2645  | 1.295   |
| T         | 0.23    | 0.23   | 0.235   | 0.24   | 0.245  | 0.58075 | 4.7     |

Oneway Anova

| Means and Std Deviations |        |          |          |              |
|--------------------------|--------|----------|----------|--------------|
| Level                    | Number | Mean     | Std Dev  | Std Err Mean |
| B                        | 18     | 0.263750 | 0.032407 | 0.00764      |
| M                        | 26     | 0.284231 | 0.206377 | 0.04047      |
| T                        | 26     | 0.452404 | 0.890930 | 0.17473      |

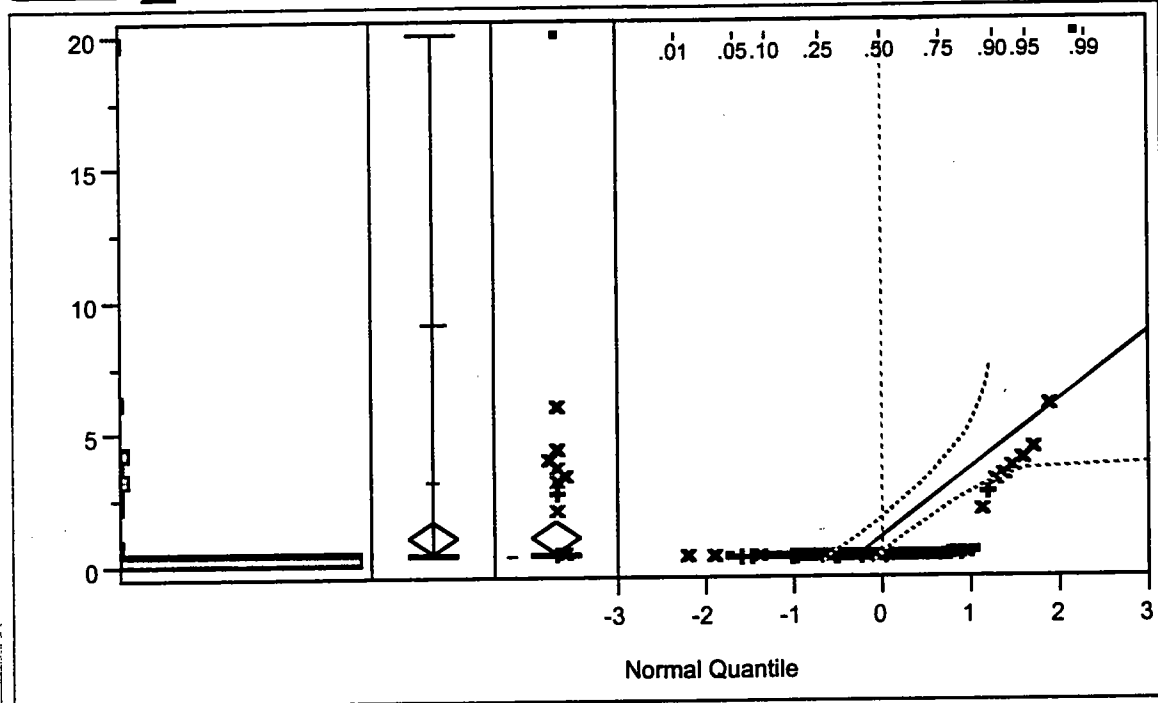
Means Comparisons

| Wilcoxon / Kruskal-Wallis Tests (Rank Sums) |       |           |            |                   |
|---------------------------------------------|-------|-----------|------------|-------------------|
| Level                                       | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
| B                                           | 18    | 920.5     | 51.1389    | 3.830             |
| M                                           | 26    | 862       | 33.1538    | -0.746            |
| T                                           | 26    | 702.5     | 27.0192    | -2.712            |

| 1-way Test, Chi-Square Approximation |    |            |
|--------------------------------------|----|------------|
| ChiSquare                            | DF | Prob>ChiSq |
| 15.9365                              | 2  | 0.0003     |





**Quantiles**

|          |        |        |
|----------|--------|--------|
| maximum  | 100.0% | 20.000 |
|          | 99.5%  | 20.000 |
|          | 97.5%  | 9.150  |
|          | 90.0%  | 3.160  |
| quartile | 75.0%  | 0.405  |
| median   | 50.0%  | 0.385  |
| quartile | 25.0%  | 0.375  |
|          | 10.0%  | 0.375  |
|          | 2.5%   | 0.365  |
|          | 0.5%   | 0.365  |
| minimum  | 0.0%   | 0.365  |

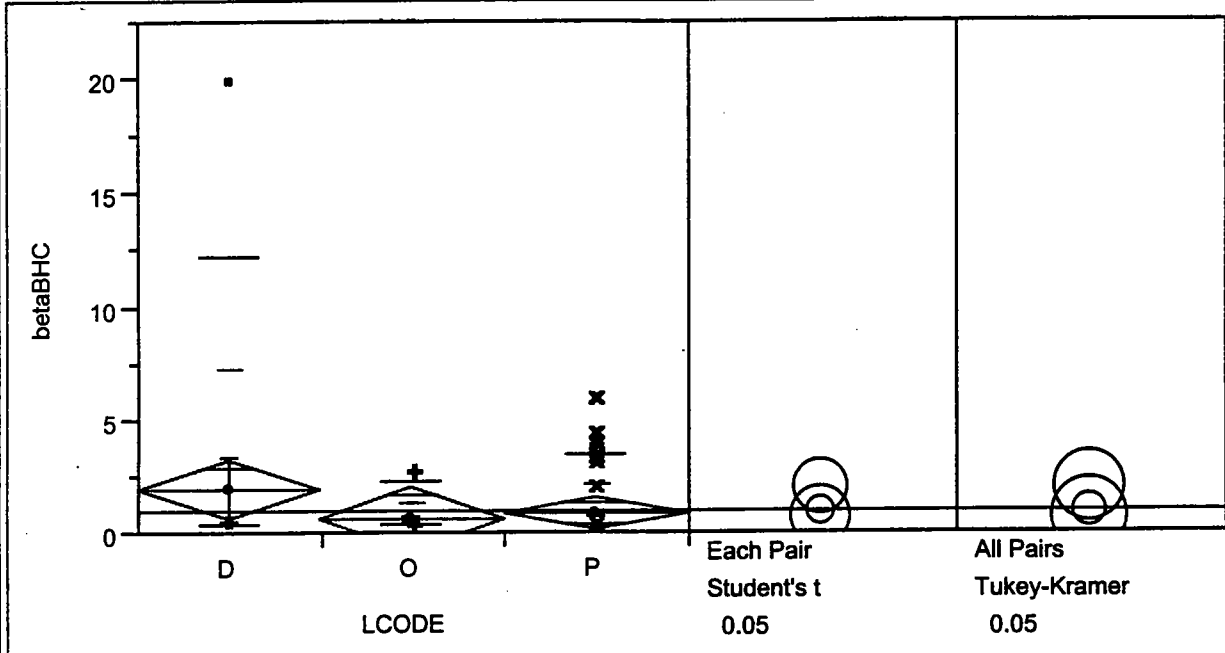
**Moments**

|                |           |
|----------------|-----------|
| Mean           | 1.04993   |
| Std Dev        | 2.55731   |
| Std Error Mean | 0.30566   |
| Upper 95% Mean | 1.65970   |
| Lower 95% Mean | 0.44016   |
| N              | 70.00000  |
| Sum Weights    | 70.00000  |
| Sum            | 73.49500  |
| Variance       | 6.53985   |
| Skewness       | 6.26225   |
| Kurtosis       | 44.87548  |
| CV             | 243.57028 |

**Test for Normality**

|                     |        |
|---------------------|--------|
| Shapiro-Wilk W Test |        |
| W                   | Prob<W |
| 0.308950            | 0.0000 |

betaBHC By LCODE



Analysis  Display

Quantiles

| Level | minimum | 10.0% | 25.0%   | median | 75.0%  | 90.0% | maximum |
|-------|---------|-------|---------|--------|--------|-------|---------|
| D     | 0.37    | 0.372 | 0.375   | 0.385  | 0.4375 | 12.24 | 20      |
| O     | 0.37    | 0.37  | 0.375   | 0.375  | 0.41   | 2.331 | 2.8     |
| P     | 0.365   | 0.375 | 0.37875 | 0.39   | 0.405  | 3.49  | 6       |

Oneway Anova

Means and Std Deviations

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| D     | 13     | 1.91423 | 5.43448 | 1.5073       |
| O     | 11     | 0.60636 | 0.72798 | 0.2195       |
| P     | 46     | 0.91174 | 1.32325 | 0.1951       |

Means Comparisons

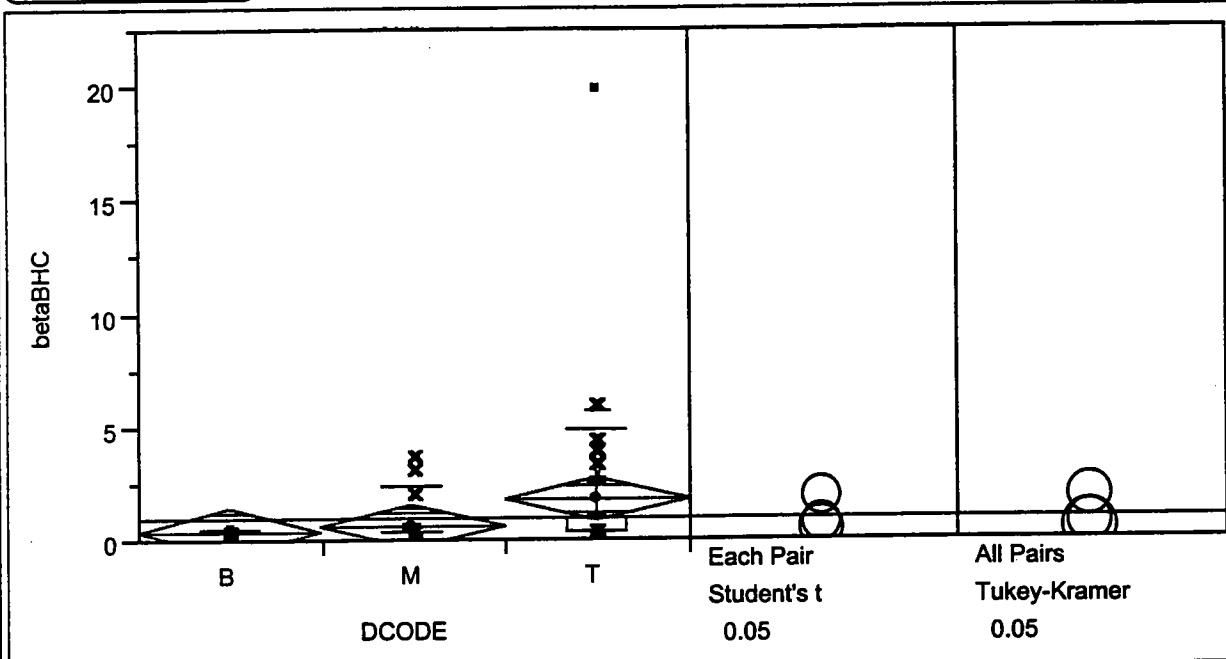
Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| D     | 13    | 438.5     | 33.7308    | -0.343            |
| O     | 11    | 302.5     | 27.5000    | -1.424            |
| P     | 46    | 1744      | 37.9130    | 1.378             |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 2.4852    | 2  | 0.2886     |

betaBHC By DCODE



Analysis  Display

Quantiles

| Level | minimum | 10.0%  | 25.0%   | median | 75.0%    | 90.0%  | maximum |
|-------|---------|--------|---------|--------|----------|--------|---------|
| B     | 0.38    | 0.3845 | 0.38875 | 0.395  | 0.42125  | 0.4875 | 0.6     |
| M     | 0.37    | 0.3735 | 0.375   | 0.3825 | 0.39625  | 2.4055 | 3.7     |
| T     | 0.365   | 0.3685 | 0.375   | 0.375  | 1.024375 | 4.88   | 20      |

Oneway Anova

Means and Std Deviations

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| B     | 18     | 0.41653 | 0.05386 | 0.01269      |
| M     | 26     | 0.68519 | 0.88084 | 0.17275      |
| T     | 26     | 1.85317 | 4.02168 | 0.78872      |

Means Comparisons

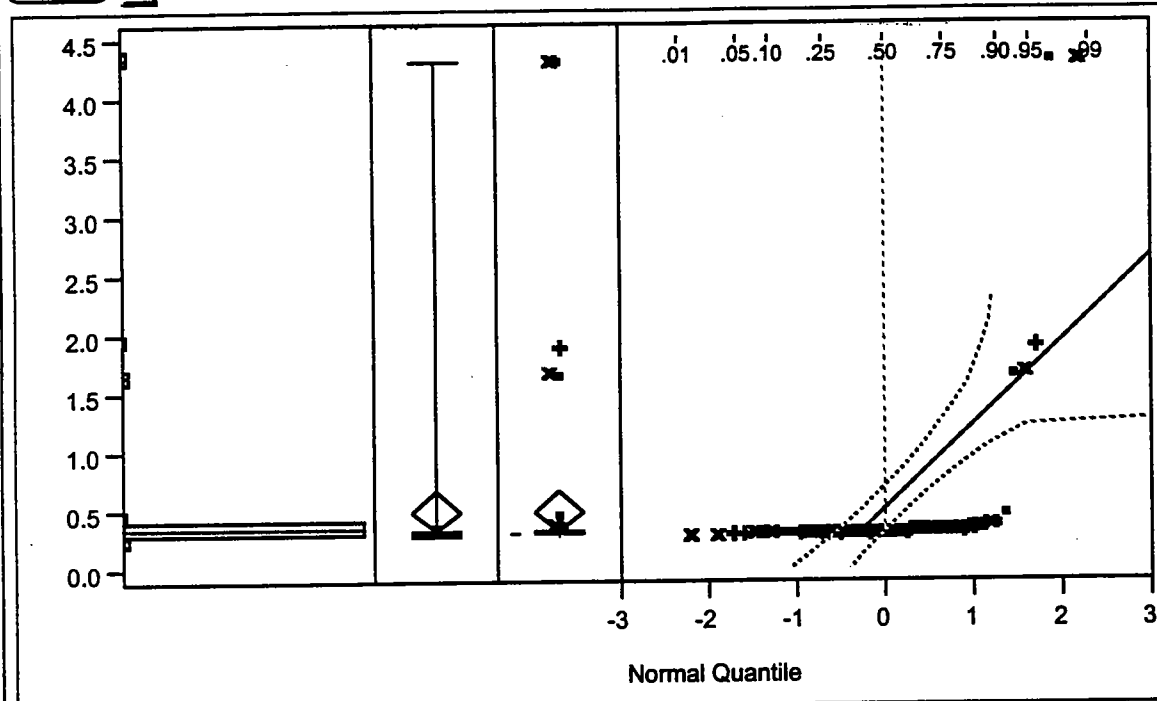
Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| B     | 18    | 837       | 46.5000    | 2.676             |
| M     | 26    | 856       | 32.9231    | -0.815            |
| T     | 26    | 792       | 30.4615    | -1.599            |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 7.3895    | 2  | 0.0249     |

dieldrin



**Quantiles**

|          |        |        |
|----------|--------|--------|
| maximum  | 100.0% | 4.3000 |
|          | 99.5%  | 4.3000 |
|          | 97.5%  | 4.3000 |
|          | 90.0%  | 0.3848 |
| quartile | 75.0%  | 0.3263 |
| median   | 50.0%  | 0.3150 |
| quartile | 25.0%  | 0.3050 |
|          | 10.0%  | 0.3005 |
|          | 2.5%   | 0.2950 |
|          | 0.5%   | 0.2950 |
| minimum  | 0.0%   | 0.2950 |

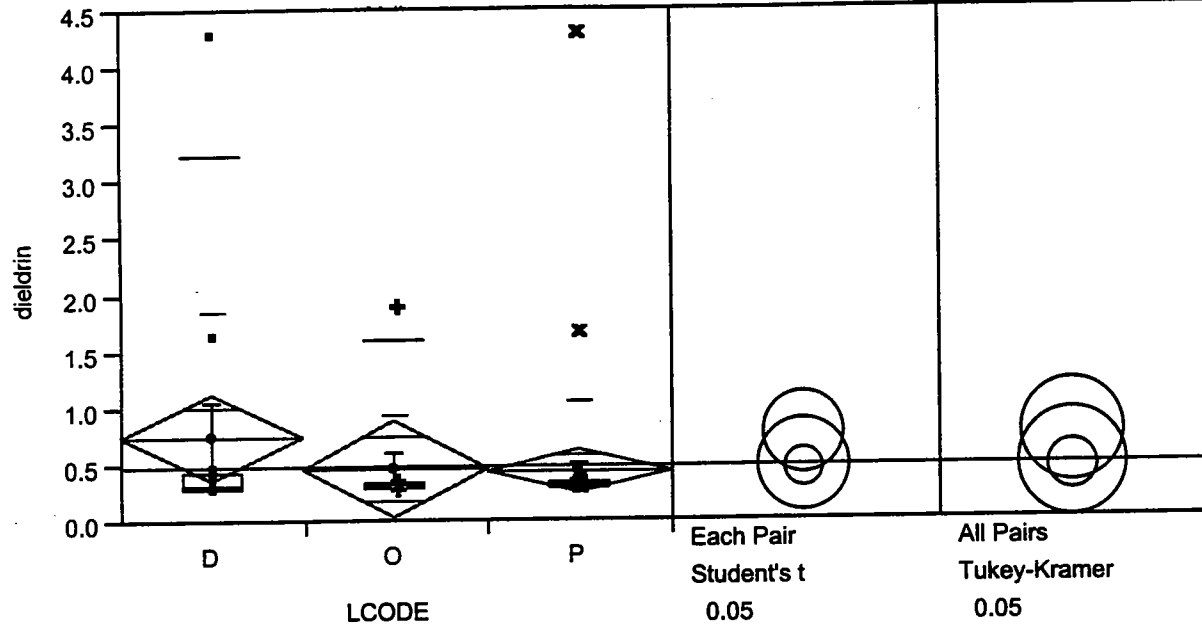
**Moments**

|                |           |
|----------------|-----------|
| Mean           | 0.49429   |
| Std Dev        | 0.71945   |
| Std Error Mean | 0.08599   |
| Upper 95% Mean | 0.66583   |
| Lower 95% Mean | 0.32274   |
| N              | 70.00000  |
| Sum Weights    | 70.00000  |
| Sum            | 34.60000  |
| Variance       | 0.51761   |
| Skewness       | 4.64174   |
| Kurtosis       | 22.07826  |
| CV             | 145.55330 |

**Test for Normality**

|                     |        |
|---------------------|--------|
| Shapiro-Wilk W Test |        |
| W                   | Prob<W |
| 0.295423            | 0.0000 |

dieldrin By LCODE



Analysis  Display

Quantiles

| Level | minimum | 10.0% | 25.0%    | median | 75.0%   | 90.0%   | maximum |
|-------|---------|-------|----------|--------|---------|---------|---------|
| D     | 0.305   | 0.305 | 0.305    | 0.315  | 0.43    | 3.24    | 4.3     |
| O     | 0.3     | 0.3   | 0.305    | 0.31   | 0.335   | 1.595   | 1.9     |
| P     | 0.295   | 0.3   | 0.309375 | 0.315  | 0.32125 | 0.35075 | 4.3     |

Oneway Anova

Means and Std Deviations

| Level | Number | Mean     | Std Dev | Std Err Mean |
|-------|--------|----------|---------|--------------|
| D     | 13     | 0.740000 | 1.13084 | 0.31364      |
| O     | 11     | 0.460000 | 0.47810 | 0.14415      |
| P     | 46     | 0.433043 | 0.61668 | 0.09092      |

Means Comparisons

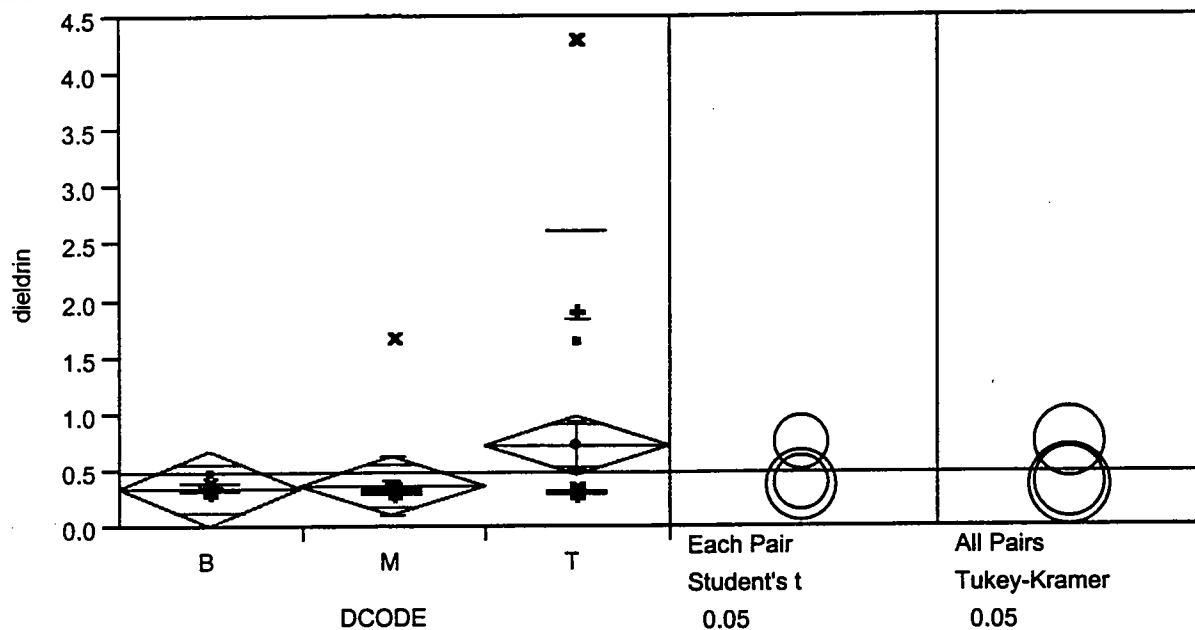
Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| D     | 13    | 520.5     | 40.0385    | 0.890             |
| O     | 11    | 327       | 29.7273    | -1.024            |
| P     | 46    | 1637.5    | 35.5978    | 0.050             |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 1.5557    | 2  | 0.4594     |

dieldrin By DCODE



Analysis Display

Quantiles

| Level | minimum | 10.0%  | 25.0% | median  | 75.0%   | 90.0% | maximum |
|-------|---------|--------|-------|---------|---------|-------|---------|
| B     | 0.31    | 0.3145 | 0.315 | 0.32    | 0.345   | 0.394 | 0.475   |
| M     | 0.295   | 0.3    | 0.305 | 0.31    | 0.32125 | 0.336 | 1.68    |
| T     | 0.295   | 0.3    | 0.305 | 0.30875 | 0.32    | 2.62  | 4.3     |

Oneway Anova

Means and Std Deviations

| Level | Number | Mean     | Std Dev | Std Err Mean |
|-------|--------|----------|---------|--------------|
| B     | 18     | 0.339028 | 0.04165 | 0.00982      |
| M     | 26     | 0.366731 | 0.26812 | 0.05258      |
| T     | 26     | 0.729327 | 1.12419 | 0.22047      |

Means Comparisons

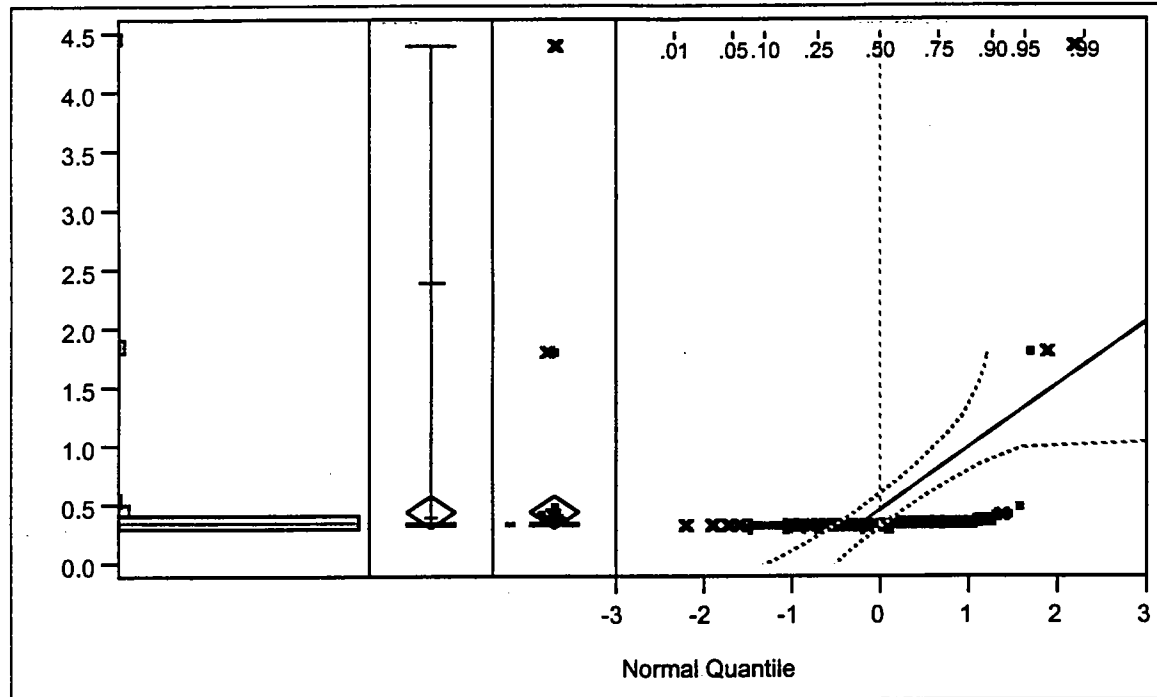
Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| B     | 18    | 872.5     | 48.4722    | 3.154             |
| M     | 26    | 846.5     | 32.5577    | -0.931            |
| T     | 26    | 766       | 29.4615    | -1.916            |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 10.2983   | 2  | 0.0058     |

endosulf2



**Quantiles**

|          |        |        |
|----------|--------|--------|
| maximum  | 100.0% | 4.4000 |
|          | 99.5%  | 4.4000 |
|          | 97.5%  | 2.3966 |
|          | 90.0%  | 0.4030 |
| quartile | 75.0%  | 0.3500 |
| median   | 50.0%  | 0.3400 |
| quartile | 25.0%  | 0.3350 |
|          | 10.0%  | 0.3300 |
|          | 2.5%   | 0.3239 |
|          | 0.5%   | 0.3200 |
| minimum  | 0.0%   | 0.3200 |

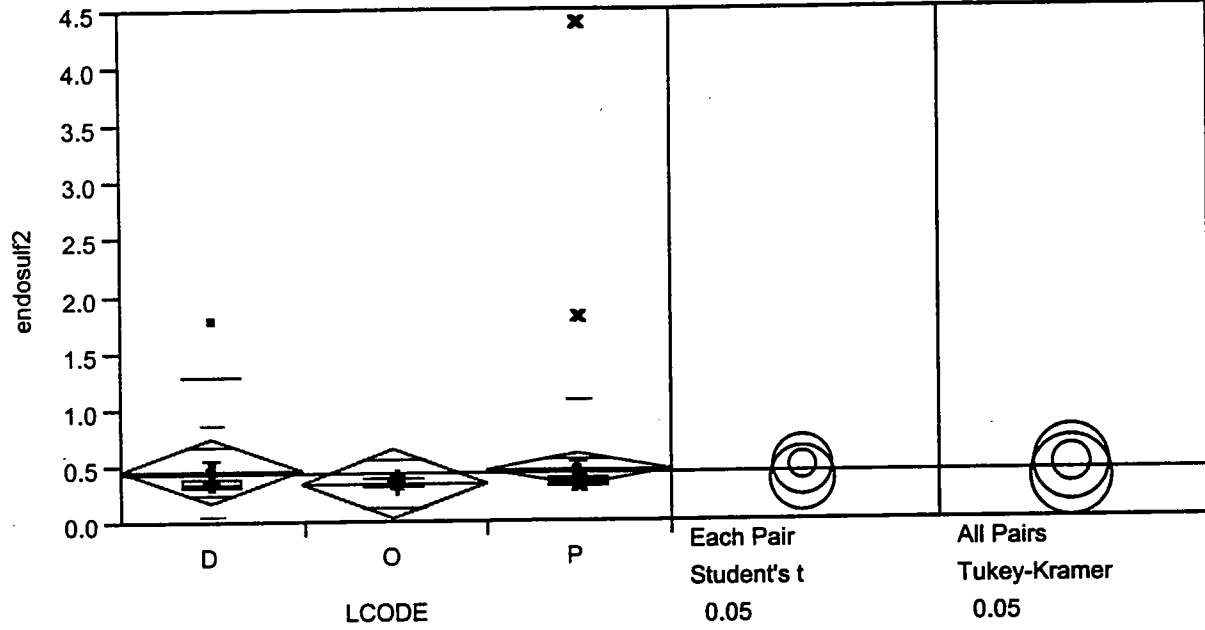
**Moments**

|                |           |
|----------------|-----------|
| Mean           | 0.44625   |
| Std Dev        | 0.53908   |
| Std Error Mean | 0.06443   |
| Upper 95% Mean | 0.57479   |
| Lower 95% Mean | 0.31771   |
| N              | 70.00000  |
| Sum Weights    | 70.00000  |
| Sum            | 31.23750  |
| Variance       | 0.29061   |
| Skewness       | 6.35902   |
| Kurtosis       | 43.89755  |
| CV             | 120.80238 |

**Test for Normality**

|                     |        |
|---------------------|--------|
| Shapiro-Wilk W Test |        |
| W                   | Prob<W |
| 0.237824            | 0.0000 |

endosulf2 By LCODE



Analysis Display

Quantiles

| Level | minimum | 10.0%  | 25.0% | median | 75.0%  | 90.0%  | maximum |
|-------|---------|--------|-------|--------|--------|--------|---------|
| D     | 0.33    | 0.33   | 0.33  | 0.34   | 0.3875 | 1.28   | 1.8     |
| O     | 0.325   | 0.326  | 0.33  | 0.335  | 0.34   | 0.397  | 0.405   |
| P     | 0.32    | 0.3285 | 0.335 | 0.345  | 0.35   | 0.3815 | 4.4     |

Oneway Anova

Means and Std Deviations

| Level | Number | Mean     | Std Dev  | Std Err Mean |
|-------|--------|----------|----------|--------------|
| D     | 13     | 0.468846 | 0.402953 | 0.11176      |
| O     | 11     | 0.342727 | 0.023169 | 0.00699      |
| P     | 46     | 0.464620 | 0.631719 | 0.09314      |

Means Comparisons

Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

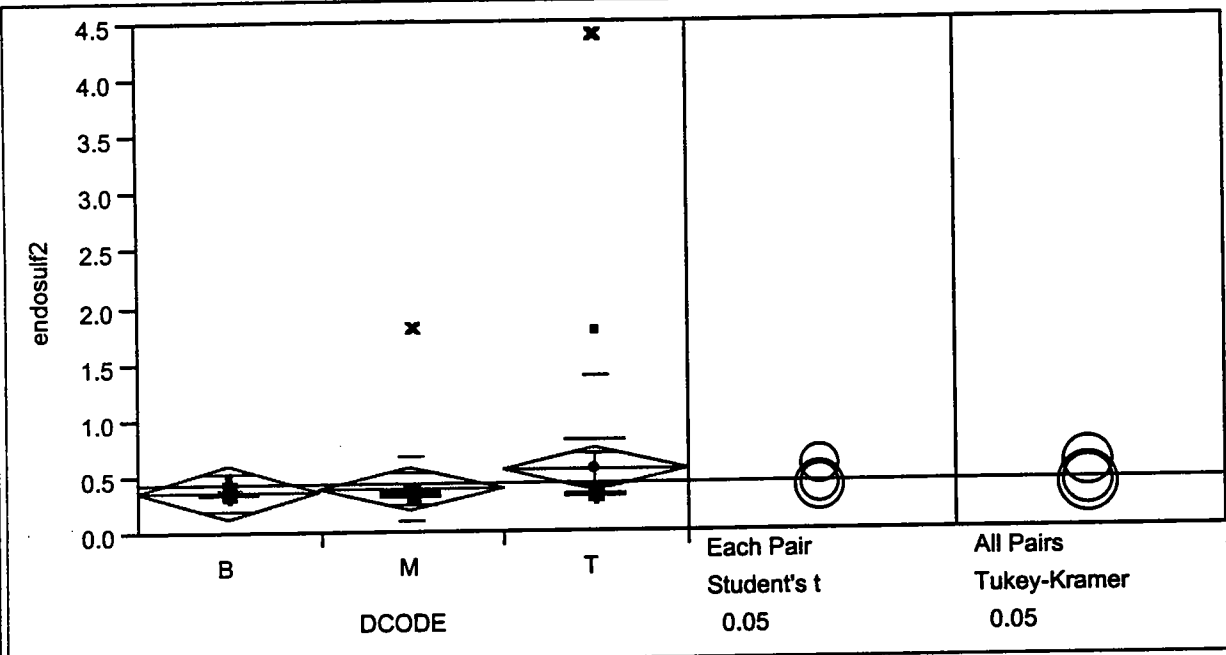
| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| D     | 13    | 469.5     | 36.1154    | 0.114             |
| O     | 11    | 297.5     | 27.0455    | -1.506            |
| P     | 46    | 1718      | 37.3478    | 1.055             |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 2.3305    | 2  | 0.3119     |



endosulf2 By DCODE



Analysis  Display

**Quantiles**

| Level | minimum | 10.0% | 25.0%   | median | 75.0%   | 90.0%  | maximum |
|-------|---------|-------|---------|--------|---------|--------|---------|
| B     | 0.34    | 0.34  | 0.345   | 0.35   | 0.375   | 0.428  | 0.5     |
| M     | 0.32    | 0.33  | 0.33375 | 0.34   | 0.35    | 0.366  | 1.815   |
| T     | 0.325   | 0.325 | 0.33    | 0.335  | 0.34125 | 0.8095 | 4.4     |

**Oneway Anova**

**Means and Std Deviations**

| Level | Number | Mean     | Std Dev  | Std Err Mean |
|-------|--------|----------|----------|--------------|
| B     | 18     | 0.367778 | 0.041841 | 0.00986      |
| M     | 26     | 0.397885 | 0.289307 | 0.05674      |
| T     | 26     | 0.548942 | 0.836275 | 0.16401      |

**Means Comparisons**

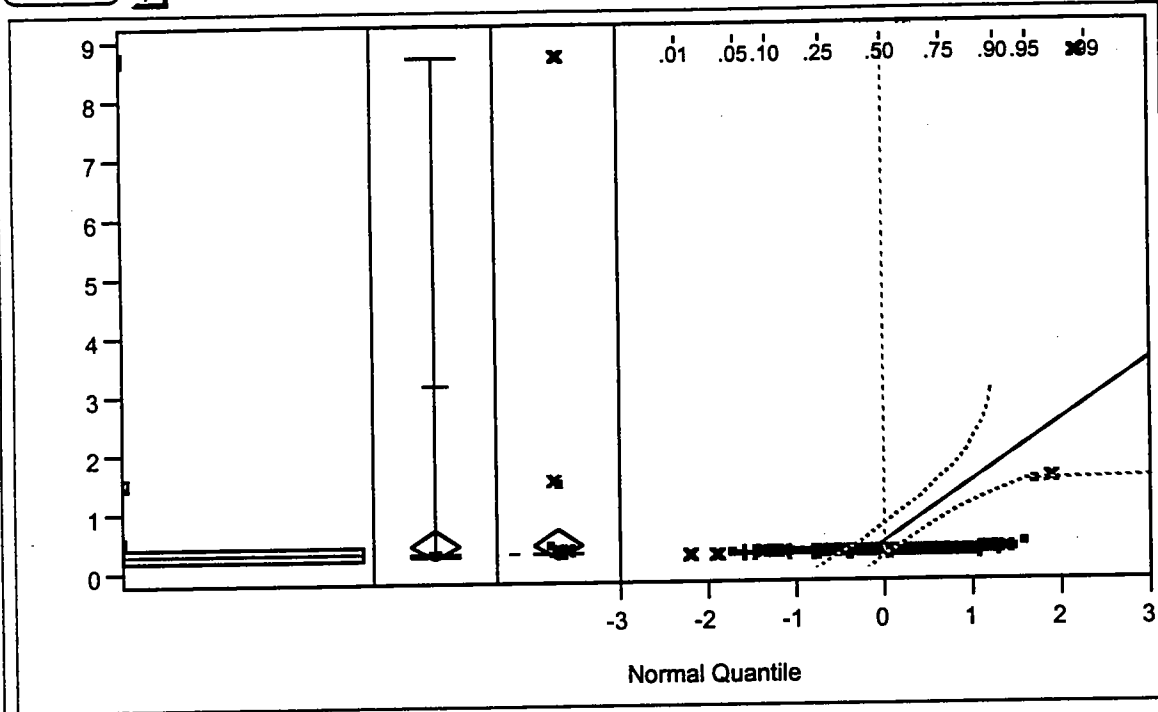
**Wilcoxon / Kruskal-Wallis Tests (Rank Sums)**

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| B     | 18    | 925.5     | 51.4167    | 3.877             |
| M     | 26    | 871.5     | 33.5192    | -0.625            |
| T     | 26    | 688       | 26.4615    | -2.876            |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 16.6778   | 2  | 0.0002     |

endosulf



**Quantiles**

|          |        |        |
|----------|--------|--------|
| maximum  | 100.0% | 8.7000 |
|          | 99.5%  | 8.7000 |
|          | 97.5%  | 3.1510 |
|          | 90.0%  | 0.3383 |
| quartile | 75.0%  | 0.2950 |
| median   | 50.0%  | 0.2850 |
| quartile | 25.0%  | 0.2800 |
|          | 10.0%  | 0.2750 |
|          | 2.5%   | 0.2700 |
|          | 0.5%   | 0.2700 |
| minimum  | 0.0%   | 0.2700 |

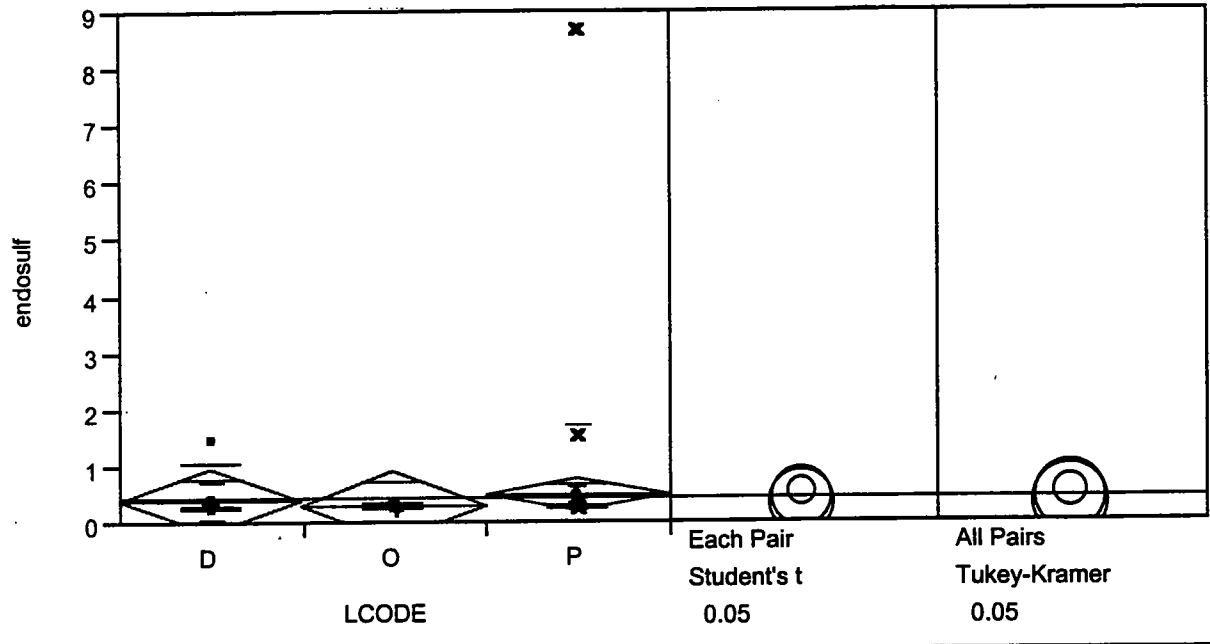
**Moments**

|                |           |
|----------------|-----------|
| Mean           | 0.44696   |
| Std Dev        | 1.02200   |
| Std Error Mean | 0.12215   |
| Upper 95% Mean | 0.69065   |
| Lower 95% Mean | 0.20328   |
| N              | 70.00000  |
| Sum Weights    | 70.00000  |
| Sum            | 31.28750  |
| Variance       | 1.04448   |
| Skewness       | 7.88738   |
| Kurtosis       | 64.13628  |
| CV             | 228.65334 |

**Test for Normality**

|                     |        |
|---------------------|--------|
| Shapiro-Wilk W Test |        |
| W                   | Prob<W |
| 0.176603            | 0.0000 |

**endosulf By LCODE**



Analysis Display

**Quantiles**

| Level | minimum | 10.0% | 25.0% | median | 75.0%  | 90.0%   | maximum |
|-------|---------|-------|-------|--------|--------|---------|---------|
| D     | 0.275   | 0.277 | 0.28  | 0.285  | 0.3275 | 1.074   | 1.5     |
| O     | 0.275   | 0.275 | 0.275 | 0.28   | 0.285  | 0.334   | 0.34    |
| P     | 0.27    | 0.275 | 0.28  | 0.29   | 0.295  | 0.32075 | 8.7     |

**Oneway Anova**

**Means and Std Deviations**

| Level | Number | Mean     | Std Dev | Std Err Mean |
|-------|--------|----------|---------|--------------|
| D     | 13     | 0.394615 | 0.33515 | 0.09295      |
| O     | 11     | 0.287727 | 0.01992 | 0.00601      |
| P     | 46     | 0.499837 | 1.24966 | 0.18425      |

**Means Comparisons**

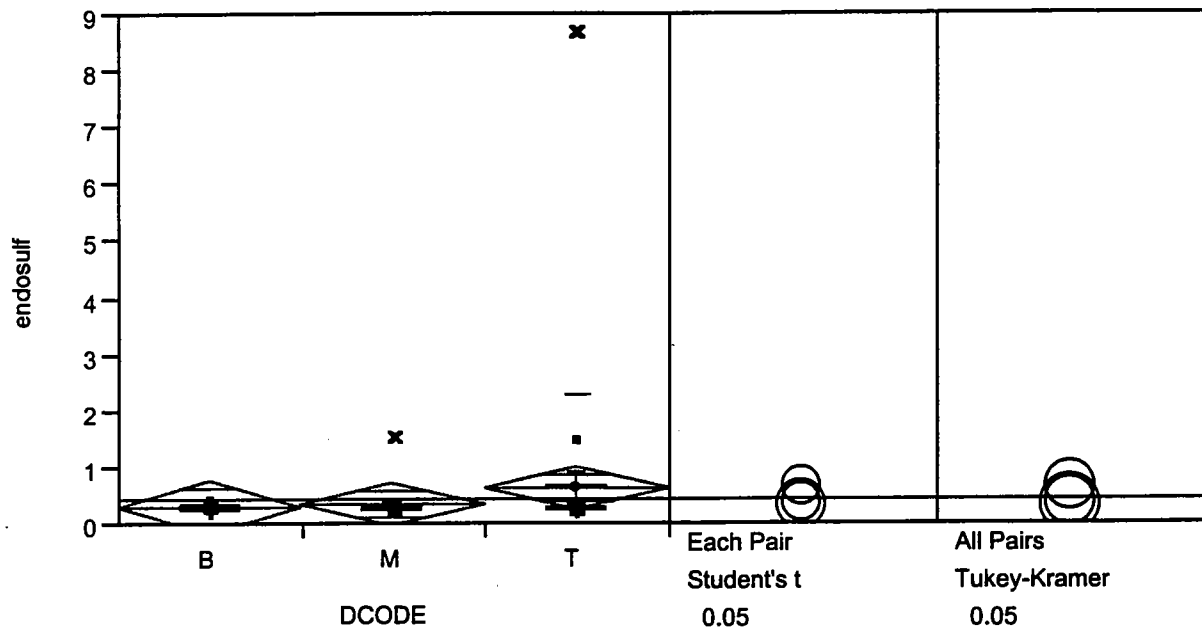
**Wilcoxon / Kruskal-Wallis Tests (Rank Sums)**

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| D     | 13    | 479       | 36.8462    | 0.259             |
| O     | 11    | 282.5     | 25.6818    | -1.752            |
| P     | 46    | 1723.5    | 37.4674    | 1.125             |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 3.1077    | 2  | 0.2114     |

endosulf By DCODE



Analysis Display

Quantiles

| Level | minimum | 10.0% | 25.0% | median | 75.0%   | 90.0%   | maximum |
|-------|---------|-------|-------|--------|---------|---------|---------|
| B     | 0.285   | 0.285 | 0.29  | 0.295  | 0.3175  | 0.363   | 0.435   |
| M     | 0.27    | 0.275 | 0.28  | 0.285  | 0.295   | 0.3095  | 1.54    |
| T     | 0.27    | 0.275 | 0.275 | 0.28   | 0.28625 | 0.67575 | 8.7     |

Oneway Anova

Means and Std Deviations

| Level | Number | Mean     | Std Dev | Std Err Mean |
|-------|--------|----------|---------|--------------|
| B     | 18     | 0.310833 | 0.03793 | 0.00894      |
| M     | 26     | 0.335192 | 0.24597 | 0.04824      |
| T     | 26     | 0.652981 | 1.65856 | 0.32527      |

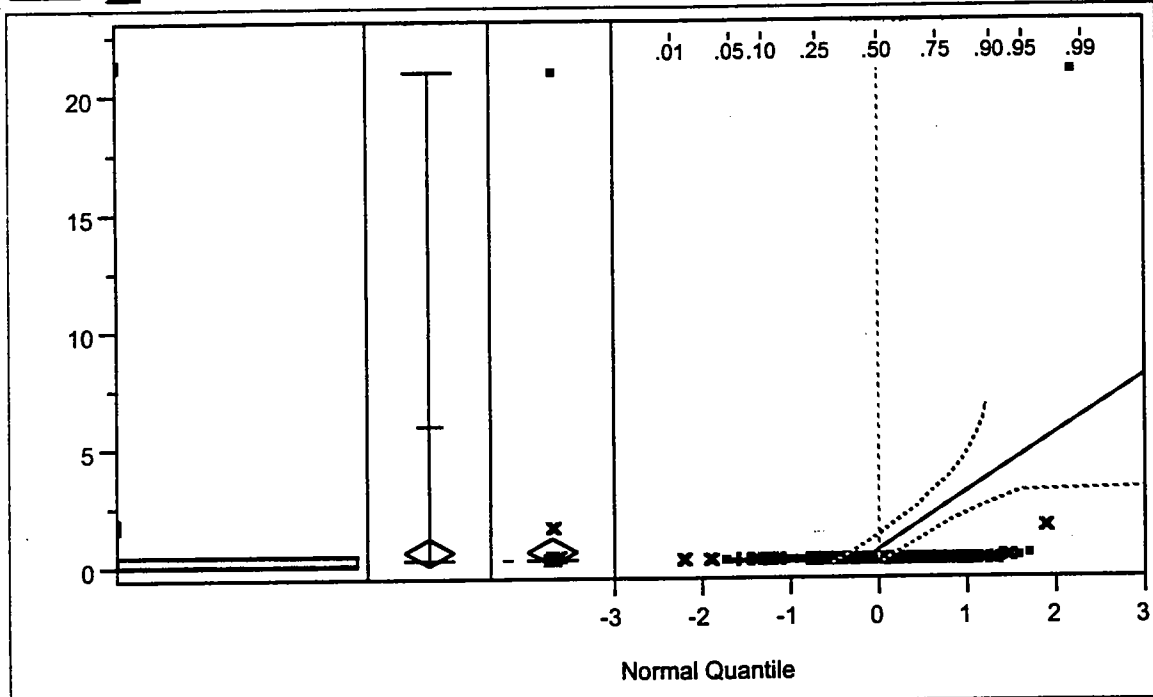
Means Comparisons

Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| B     | 18    | 929.5     | 51.6389    | 3.936             |
| M     | 26    | 878       | 33.7692    | -0.546            |
| T     | 26    | 677.5     | 26.0577    | -3.007            |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 17.4459   | 2  | 0.0002     |



**Quantiles**

|          |        |        |
|----------|--------|--------|
| maximum  | 100.0% | 21.000 |
|          | 99.5%  | 21.000 |
|          | 97.5%  | 5.984  |
|          | 90.0%  | 0.340  |
| quartile | 75.0%  | 0.310  |
| median   | 50.0%  | 0.302  |
| quartile | 25.0%  | 0.295  |
|          | 10.0%  | 0.290  |
|          | 2.5%   | 0.285  |
|          | 0.5%   | 0.285  |
| minimum  | 0.0%   | 0.285  |

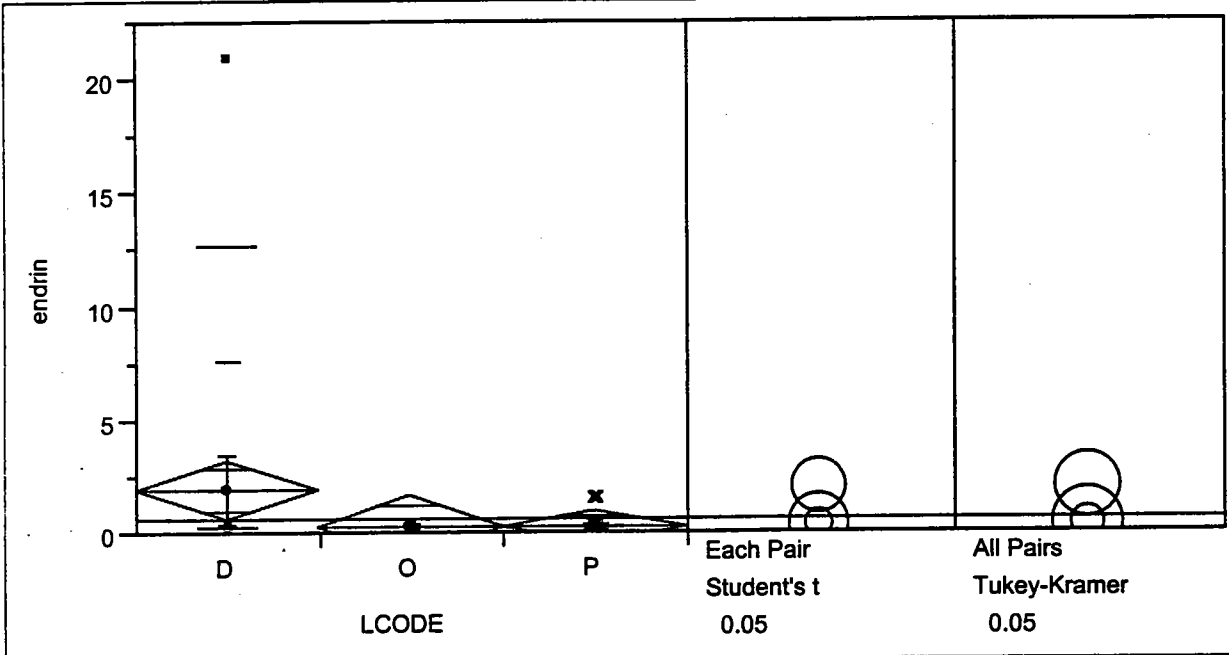
**Moments**

|                |           |
|----------------|-----------|
| Mean           | 0.62221   |
| Std Dev        | 2.47605   |
| Std Error Mean | 0.29594   |
| Upper 95% Mean | 1.21261   |
| Lower 95% Mean | 0.03182   |
| N              | 70.00000  |
| Sum Weights    | 70.00000  |
| Sum            | 43.55500  |
| Variance       | 6.13082   |
| Skewness       | 8.31524   |
| Kurtosis       | 69.39524  |
| CV             | 397.94149 |

**Test for Normality**

|                     |        |
|---------------------|--------|
| Shapiro-Wilk W Test |        |
| W                   | Prob<W |
| 0.136012            | 0.0000 |

endrin By LCODE



Analysis Display

Quantiles

| Level | minimum | 10.0% | 25.0% | median | 75.0% | 90.0%  | maximum |
|-------|---------|-------|-------|--------|-------|--------|---------|
| D     | 0.29    | 0.292 | 0.295 | 0.305  | 0.345 | 12.784 | 21      |
| O     | 0.29    | 0.29  | 0.29  | 0.295  | 0.305 | 0.353  | 0.36    |
| P     | 0.285   | 0.29  | 0.295 | 0.305  | 0.31  | 0.326  | 1.625   |

Oneway Anova

Means and Std Deviations

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| D     | 13     | 1.91077 | 5.73580 | 1.5908       |
| O     | 11     | 0.30364 | 0.02122 | 0.0064       |
| P     | 46     | 0.33424 | 0.19514 | 0.0288       |

Means Comparisons

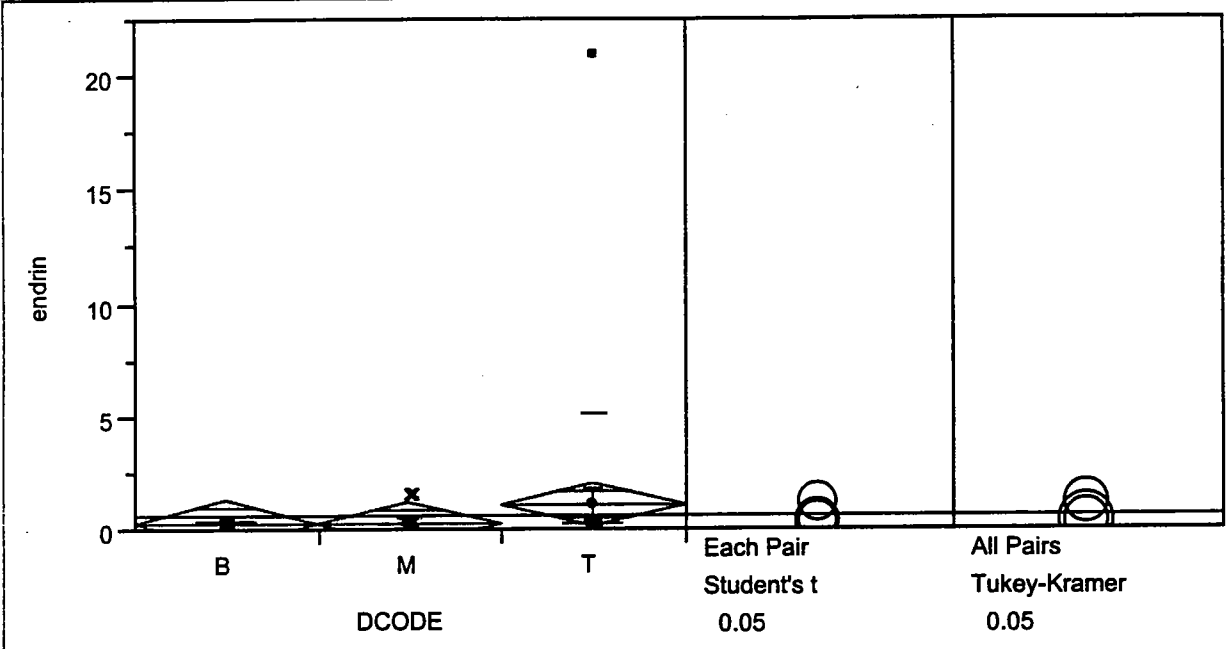
Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| D     | 13    | 506       | 38.9231    | 0.671             |
| O     | 11    | 291.5     | 26.5000    | -1.605            |
| P     | 46    | 1687.5    | 36.6848    | 0.675             |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 2.7281    | 2  | 0.2556     |

endrin By DCODE



Analysis  Display

Quantiles

| Level | minimum | 10.0%  | 25.0% | median | 75.0%   | 90.0%  | maximum |
|-------|---------|--------|-------|--------|---------|--------|---------|
| B     | 0.3     | 0.3045 | 0.305 | 0.31   | 0.33375 | 0.3835 | 0.46    |
| M     | 0.285   | 0.29   | 0.295 | 0.3    | 0.31    | 0.326  | 1.625   |
| T     | 0.285   | 0.29   | 0.29  | 0.295  | 0.305   | 0.319  | 21      |

Oneway Anova

Means and Std Deviations

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| B     | 18     | 0.32806 | 0.04033 | 0.00951      |
| M     | 26     | 0.35404 | 0.25949 | 0.05089      |
| T     | 26     | 1.09404 | 4.06005 | 0.79624      |

Means Comparisons

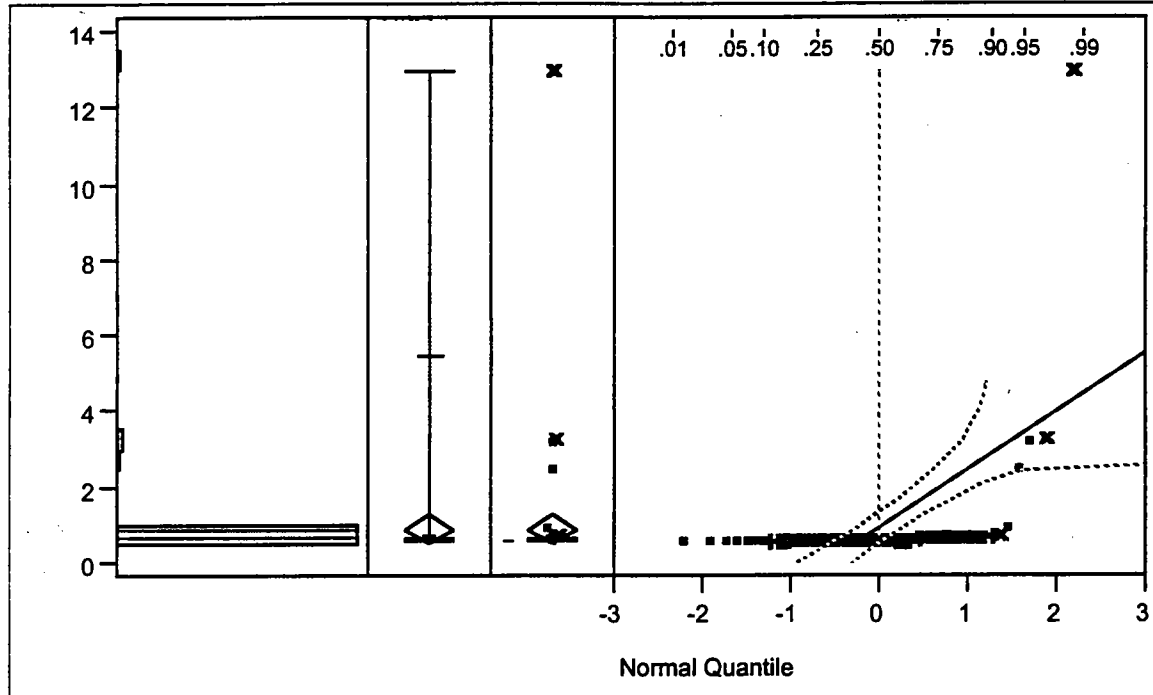
Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| B     | 18    | 938.5     | 52.1389    | 4.058             |
| M     | 26    | 908.5     | 34.9423    | -0.172            |
| T     | 26    | 638       | 24.5385    | -3.492            |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 19.9835   | 2  | <.0001     |

endmaldhyde



**Quantiles**

|          |        |        |
|----------|--------|--------|
| maximum  | 100.0% | 13.000 |
|          | 99.5%  | 13.000 |
|          | 97.5%  | 5.482  |
|          | 90.0%  | 0.750  |
| quartile | 75.0%  | 0.650  |
| median   | 50.0%  | 0.600  |
| quartile | 25.0%  | 0.600  |
|          | 10.0%  | 0.600  |
|          | 2.5%   | 0.600  |
|          | 0.5%   | 0.600  |
| minimum  | 0.0%   | 0.600  |

**Moments**

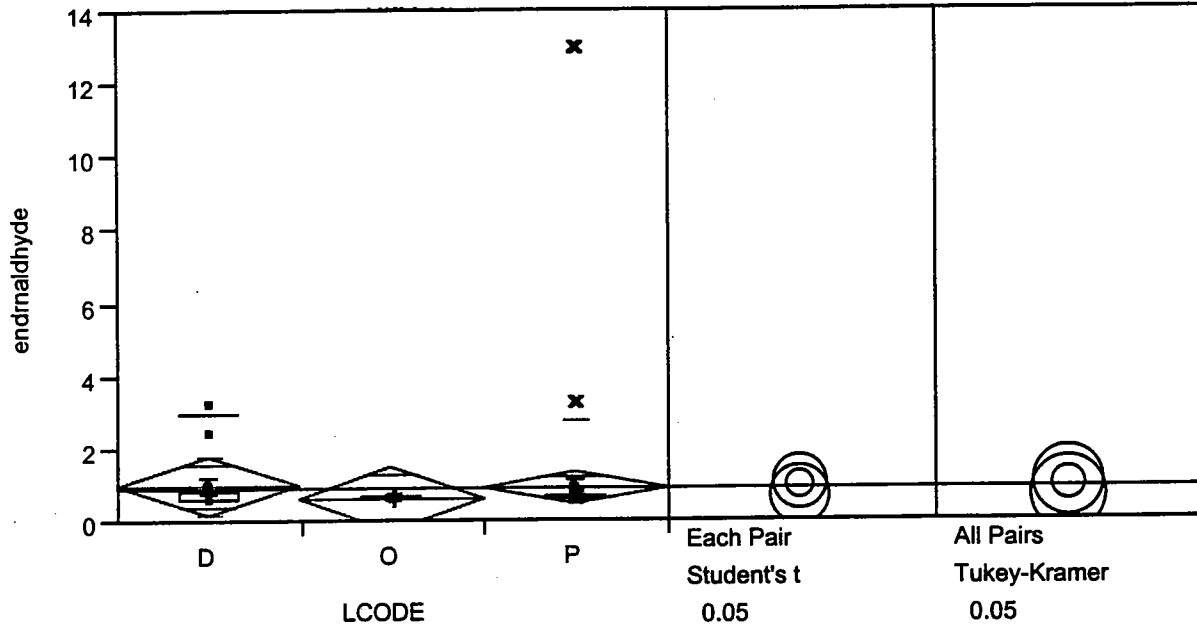
|                |           |
|----------------|-----------|
| Mean           | 0.90571   |
| Std Dev        | 1.54822   |
| Std Error Mean | 0.18505   |
| Upper 95% Mean | 1.27487   |
| Lower 95% Mean | 0.53655   |
| N              | 70.00000  |
| Sum Weights    | 70.00000  |
| Sum            | 63.40000  |
| Variance       | 2.39698   |
| Skewness       | 7.22885   |
| Kurtosis       | 55.93064  |
| CV             | 170.93885 |

**Test for Normality**

|                     |        |
|---------------------|--------|
| Shapiro-Wilk W Test |        |
| W                   | Prob<W |
| 0.220702            | 0.0000 |



endmaldehyde By LCODE



Analysis Display

Quantiles

| Level | minimum | 10.0% | 25.0% | median | 75.0% | 90.0%  | maximum |
|-------|---------|-------|-------|--------|-------|--------|---------|
| D     | 0.6     | 0.6   | 0.6   | 0.6    | 0.85  | 2.95   | 3.25    |
| O     | 0.6     | 0.6   | 0.6   | 0.6    | 0.6   | 0.73   | 0.75    |
| P     | 0.6     | 0.6   | 0.6   | 0.6    | 0.65  | 0.6825 | 13      |

Oneway Anova

Means and Std Deviations

| Level | Number | Mean     | Std Dev | Std Err Mean |
|-------|--------|----------|---------|--------------|
| D     | 13     | 0.996154 | 0.85354 | 0.23673      |
| O     | 11     | 0.618182 | 0.04622 | 0.01394      |
| P     | 46     | 0.948913 | 1.85907 | 0.27410      |

Means Comparisons

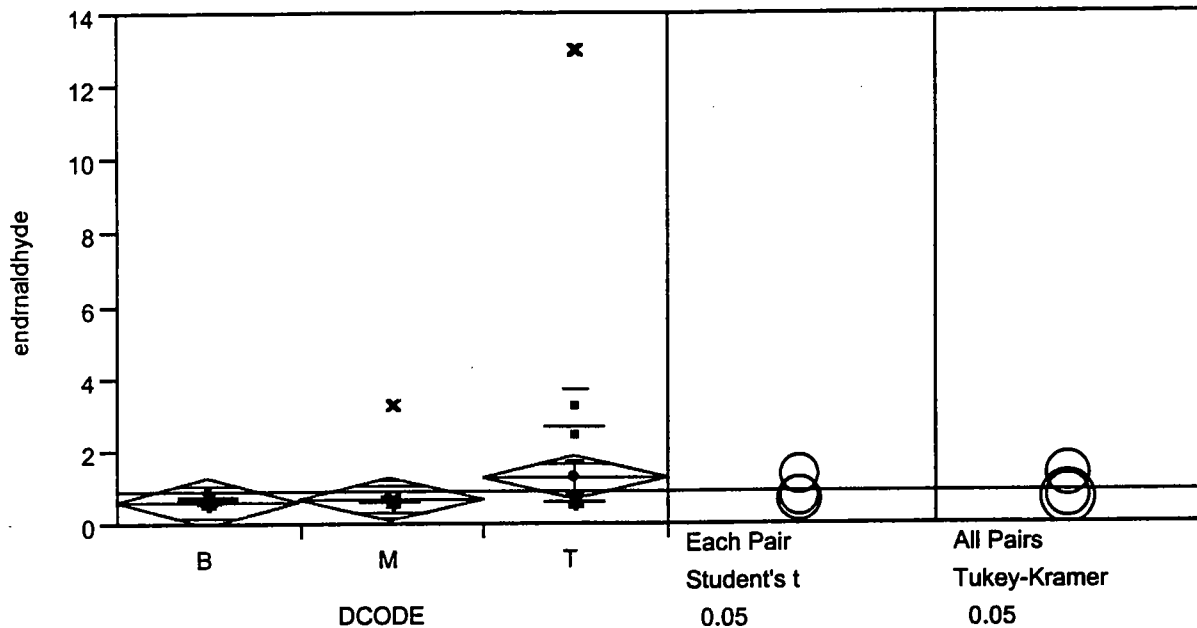
Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| D     | 13    | 531.5     | 40.8846    | 1.233             |
| O     | 11    | 323.5     | 29.4091    | -1.261            |
| P     | 46    | 1630      | 35.4348    | -0.036            |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 2.6165    | 2  | 0.2703     |

endrnaldehyde By DCODE



Analysis  Display

Quantiles

| Level | minimum | 10.0% | 25.0% | median | 75.0% | 90.0%  | maximum |
|-------|---------|-------|-------|--------|-------|--------|---------|
| B     | 0.6     | 0.6   | 0.6   | 0.65   | 0.675 | 0.7925 | 0.95    |
| M     | 0.6     | 0.6   | 0.6   | 0.6    | 0.65  | 0.665  | 3.3     |
| T     | 0.6     | 0.6   | 0.6   | 0.6    | 0.6   | 2.725  | 13      |

Oneway Anova

Means and Std Deviations

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| B     | 18     | 0.66528 | 0.09040 | 0.02131      |
| M     | 26     | 0.72115 | 0.52672 | 0.10330      |
| T     | 26     | 1.25673 | 2.47537 | 0.48546      |

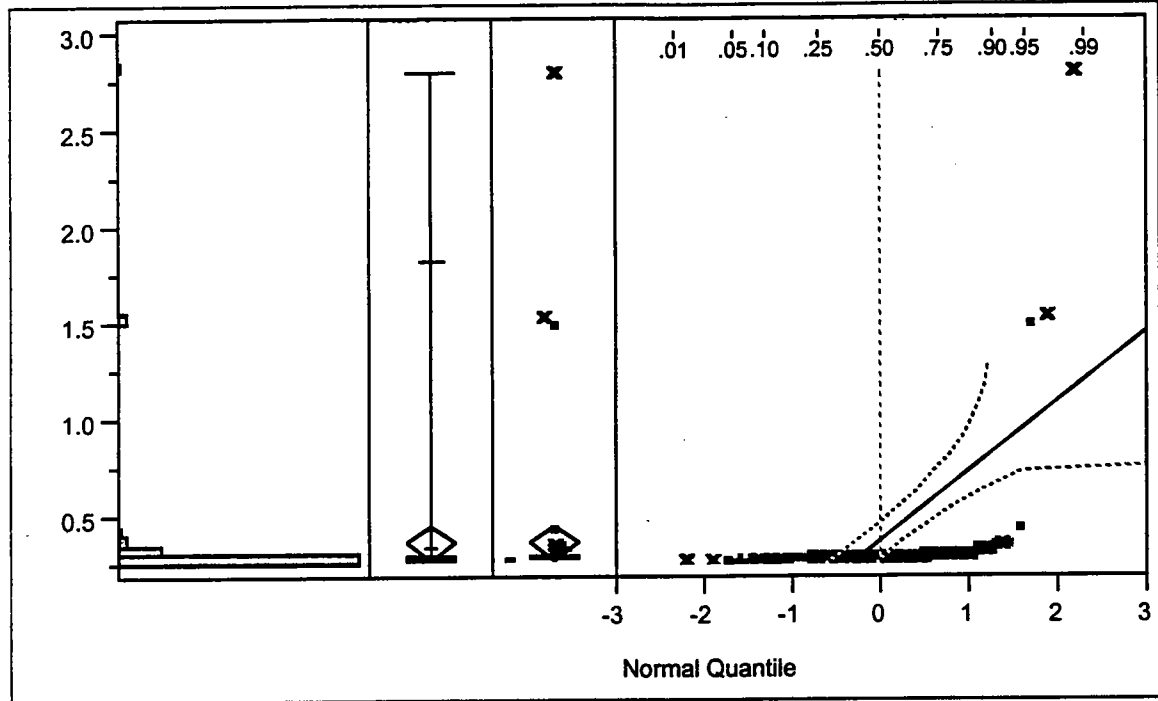
Means Comparisons

Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| B     | 18    | 790       | 43.8889    | 2.376             |
| M     | 26    | 893       | 34.3462    | -0.421            |
| T     | 26    | 802       | 30.8462    | -1.721            |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 6.2127    | 2  | 0.0448     |



**Quantiles**

|          |        |        |
|----------|--------|--------|
| maximum  | 100.0% | 2.8000 |
|          | 99.5%  | 2.8000 |
|          | 97.5%  | 1.8235 |
|          | 90.0%  | 0.3383 |
| quartile | 75.0%  | 0.2950 |
| median   | 50.0%  | 0.2850 |
| quartile | 25.0%  | 0.2800 |
|          | 10.0%  | 0.2750 |
|          | 2.5%   | 0.2700 |
|          | 0.5%   | 0.2700 |
| minimum  | 0.0%   | 0.2700 |

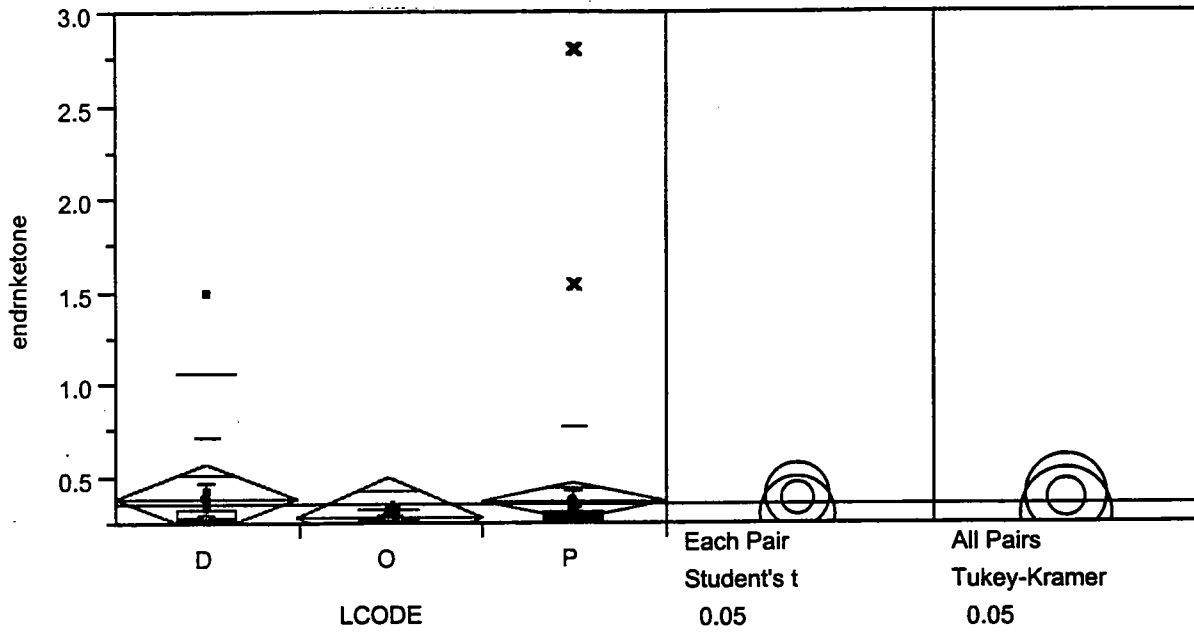
**Moments**

|                |          |
|----------------|----------|
| Mean           | 0.36268  |
| Std Dev        | 0.36108  |
| Std Error Mean | 0.04316  |
| Upper 95% Mean | 0.44878  |
| Lower 95% Mean | 0.27658  |
| N              | 70.00000 |
| Sum Weights    | 70.00000 |
| Sum            | 25.38750 |
| Variance       | 0.13038  |
| Skewness       | 5.56275  |
| Kurtosis       | 33.03202 |
| CV             | 99.55913 |

**Test for Normality**

|                     |        |
|---------------------|--------|
| Shapiro-Wilk W Test |        |
| W                   | Prob<W |
| 0.260711            | 0.0000 |

endrnketone By LCODE



Analysis  Display

**Quantiles**

| Level | minimum | 10.0% | 25.0% | median | 75.0%  | 90.0%   | maximum |
|-------|---------|-------|-------|--------|--------|---------|---------|
| D     | 0.275   | 0.277 | 0.28  | 0.285  | 0.3275 | 1.074   | 1.5     |
| O     | 0.275   | 0.275 | 0.275 | 0.28   | 0.285  | 0.334   | 0.34    |
| P     | 0.27    | 0.275 | 0.28  | 0.29   | 0.295  | 0.32075 | 2.8     |

**Oneway Anova**

**Means and Std Deviations**

| Level | Number | Mean     | Std Dev  | Std Err Mean |
|-------|--------|----------|----------|--------------|
| D     | 13     | 0.394615 | 0.335146 | 0.09295      |
| O     | 11     | 0.287727 | 0.019920 | 0.00601      |
| P     | 46     | 0.371576 | 0.410029 | 0.06046      |

**Means Comparisons**

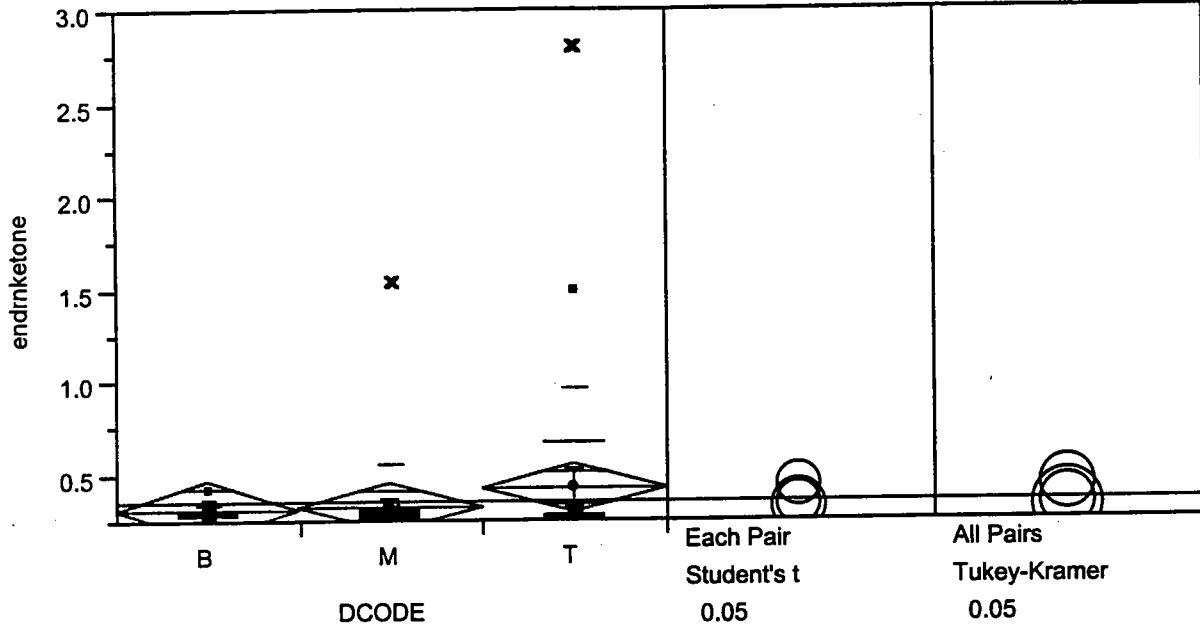
**Wilcoxon / Kruskal-Wallis Tests (Rank Sums)**

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| D     | 13    | 479       | 36.8462    | 0.259             |
| O     | 11    | 282.5     | 25.6818    | -1.752            |
| P     | 46    | 1723.5    | 37.4674    | 1.125             |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 3.1077    | 2  | 0.2114     |

endrnketone By DCODE



Analysis  Display

Quantiles

| Level | minimum | 10.0% | 25.0% | median | 75.0%   | 90.0%   | maximum |
|-------|---------|-------|-------|--------|---------|---------|---------|
| B     | 0.285   | 0.285 | 0.29  | 0.295  | 0.3175  | 0.363   | 0.435   |
| M     | 0.27    | 0.275 | 0.28  | 0.285  | 0.295   | 0.3095  | 1.54    |
| T     | 0.27    | 0.275 | 0.275 | 0.28   | 0.28625 | 0.67575 | 2.8     |

Oneway Anova

Means and Std Deviations

| Level | Number | Mean     | Std Dev  | Std Err Mean |
|-------|--------|----------|----------|--------------|
| B     | 18     | 0.310833 | 0.037934 | 0.00894      |
| M     | 26     | 0.335192 | 0.245965 | 0.04824      |
| T     | 26     | 0.426058 | 0.539878 | 0.10588      |

Means Comparisons

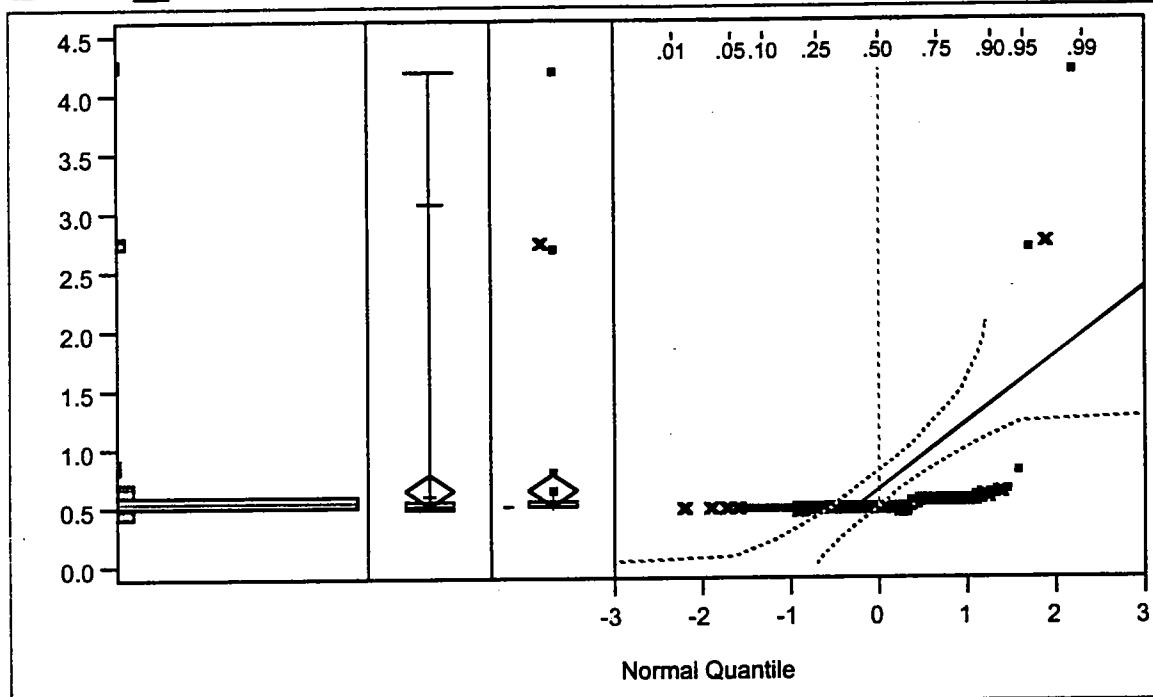
Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| B     | 18    | 929.5     | 51.6389    | 3.936             |
| M     | 26    | 878       | 33.7692    | -0.546            |
| T     | 26    | 677.5     | 26.0577    | -3.007            |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 17.4459   | 2  | 0.0002     |

gchlordn



**Quantiles**

|          |        |        |
|----------|--------|--------|
| maximum  | 100.0% | 4.2000 |
|          | 99.5%  | 4.2000 |
|          | 97.5%  | 3.0762 |
|          | 90.0%  | 0.6000 |
| quartile | 75.0%  | 0.5500 |
| median   | 50.0%  | 0.5000 |
| quartile | 25.0%  | 0.5000 |
|          | 10.0%  | 0.5000 |
|          | 2.5%   | 0.4900 |
|          | 0.5%   | 0.4900 |
| minimum  | 0.0%   | 0.4900 |

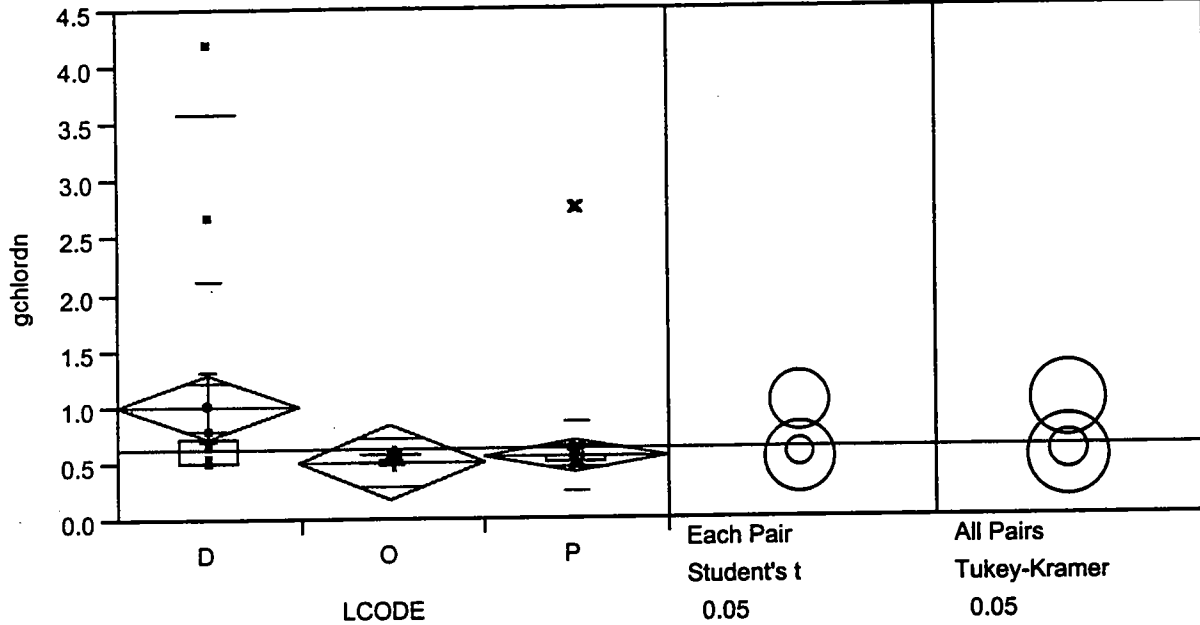
**Moments**

|                |          |
|----------------|----------|
| Mean           | 0.63957  |
| Std Dev        | 0.57006  |
| Std Error Mean | 0.06814  |
| Upper 95% Mean | 0.77550  |
| Lower 95% Mean | 0.50364  |
| N              | 70.00000 |
| Sum Weights    | 70.00000 |
| Sum            | 44.77000 |
| Variance       | 0.32497  |
| Skewness       | 5.08563  |
| Kurtosis       | 26.59316 |
| CV             | 89.13170 |

**Test for Normality**

|                     |        |
|---------------------|--------|
| Shapiro-Wilk W Test |        |
| W                   | Prob<W |
| 0.273981            | 0.0000 |

**gchlorn By LCODE**



Analysis  Display

**Quantiles**

| Level | minimum | 10.0%  | 25.0% | median | 75.0% | 90.0%  | maximum |
|-------|---------|--------|-------|--------|-------|--------|---------|
| D     | 0.5     | 0.5    | 0.5   | 0.5    | 0.725 | 3.6    | 4.2     |
| O     | 0.5     | 0.5    | 0.5   | 0.5    | 0.5   | 0.59   | 0.6     |
| P     | 0.49    | 0.4985 | 0.5   | 0.5    | 0.55  | 0.5575 | 2.75    |

**Oneway Anova**

**Means and Std Deviations**

| Level | Number | Mean     | Std Dev | Std Err Mean |
|-------|--------|----------|---------|--------------|
| D     | 13     | 0.996154 | 1.13458 | 0.31468      |
| O     | 11     | 0.513636 | 0.03233 | 0.00975      |
| P     | 46     | 0.568913 | 0.33025 | 0.04869      |

**Means Comparisons**

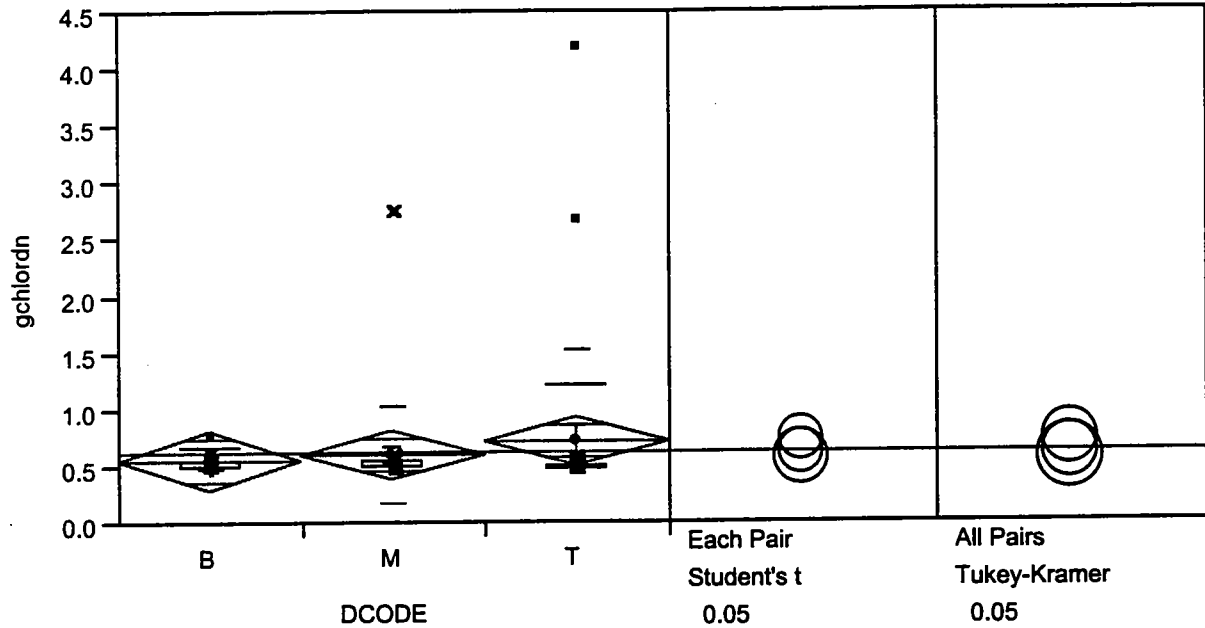
**Wilcoxon / Kruskal-Wallis Tests (Rank Sums)**

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| D     | 13    | 553       | 42.5385    | 1.549             |
| O     | 11    | 342       | 31.0909    | -0.873            |
| P     | 46    | 1590      | 34.5652    | -0.593            |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 2.7545    | 2  | 0.2523     |

gchlorn By DCODE



Analysis Display

Quantiles

| Level | minimum | 10.0% | 25.0% | median | 75.0%  | 90.0%  | maximum |
|-------|---------|-------|-------|--------|--------|--------|---------|
| B     | 0.5     | 0.5   | 0.5   | 0.55   | 0.5625 | 0.665  | 0.8     |
| M     | 0.49    | 0.5   | 0.5   | 0.5    | 0.55   | 0.565  | 2.75    |
| T     | 0.49    | 0.495 | 0.5   | 0.5    | 0.5    | 1.2125 | 4.2     |

Oneway Anova

Means and Std Deviations

| Level | Number | Mean     | Std Dev  | Std Err Mean |
|-------|--------|----------|----------|--------------|
| B     | 18     | 0.556944 | 0.075637 | 0.01783      |
| M     | 26     | 0.603462 | 0.438716 | 0.08604      |
| T     | 26     | 0.732885 | 0.827784 | 0.16234      |

Means Comparisons

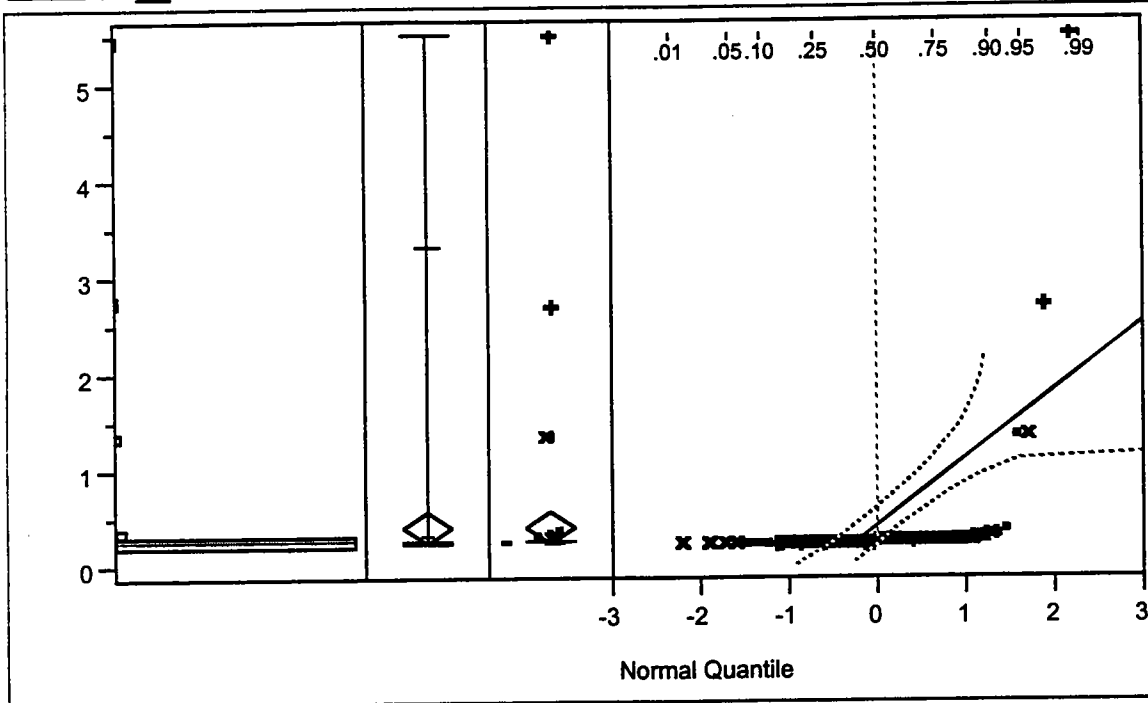
Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| B     | 18    | 811       | 45.0556    | 2.597             |
| M     | 26    | 908.5     | 34.9423    | -0.192            |
| T     | 26    | 765.5     | 29.4423    | -2.151            |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 7.9923    | 2  | 0.0184     |





**Quantiles**

|          |        |        |
|----------|--------|--------|
| maximum  | 100.0% | 5.5000 |
|          | 99.5%  | 5.5000 |
|          | 97.5%  | 3.3300 |
|          | 90.0%  | 0.3075 |
| quartile | 75.0%  | 0.2600 |
| median   | 50.0%  | 0.2550 |
| quartile | 25.0%  | 0.2500 |
|          | 10.0%  | 0.2450 |
|          | 2.5%   | 0.2400 |
|          | 0.5%   | 0.2400 |
| minimum  | 0.0%   | 0.2400 |

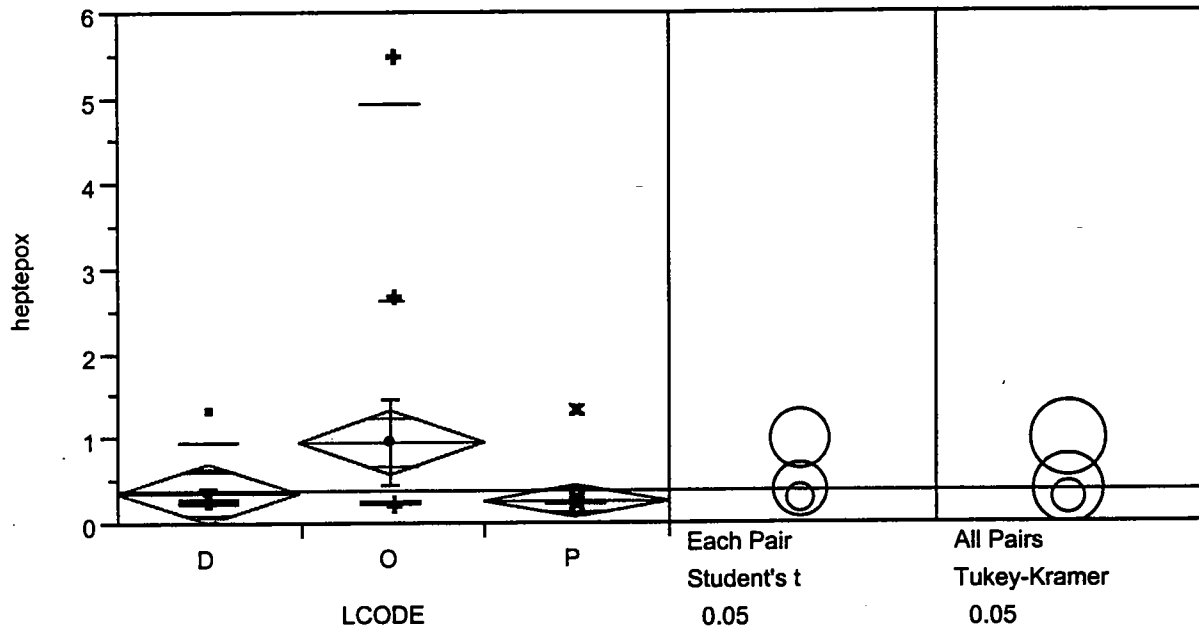
**Moments**

|                |           |
|----------------|-----------|
| Mean           | 0.39829   |
| Std Dev        | 0.70688   |
| Std Error Mean | 0.08449   |
| Upper 95% Mean | 0.56684   |
| Lower 95% Mean | 0.22974   |
| N              | 70.00000  |
| Sum Weights    | 70.00000  |
| Sum            | 27.88000  |
| Variance       | 0.49968   |
| Skewness       | 6.18824   |
| Kurtosis       | 41.64306  |
| CV             | 177.48039 |

**Test for Normality**

|                     |        |
|---------------------|--------|
| Shapiro-Wilk W Test |        |
| W                   | Prob<W |
| 0.245793            | 0.0000 |

heptepox By LCODE



Analysis Display

Quantiles

| Level | minimum | 10.0%  | 25.0% | median | 75.0% | 90.0%  | maximum |
|-------|---------|--------|-------|--------|-------|--------|---------|
| D     | 0.245   | 0.245  | 0.245 | 0.255  | 0.29  | 0.964  | 1.35    |
| O     | 0.245   | 0.245  | 0.245 | 0.25   | 0.255 | 4.94   | 5.5     |
| P     | 0.24    | 0.2435 | 0.25  | 0.255  | 0.26  | 0.2745 | 1.35    |

Oneway Anova

Means and Std Deviations

| Level | Number | Mean     | Std Dev | Std Err Mean |
|-------|--------|----------|---------|--------------|
| D     | 13     | 0.351154 | 0.30275 | 0.08397      |
| O     | 11     | 0.949091 | 1.67896 | 0.50623      |
| P     | 46     | 0.279891 | 0.16179 | 0.02385      |

Means Comparisons

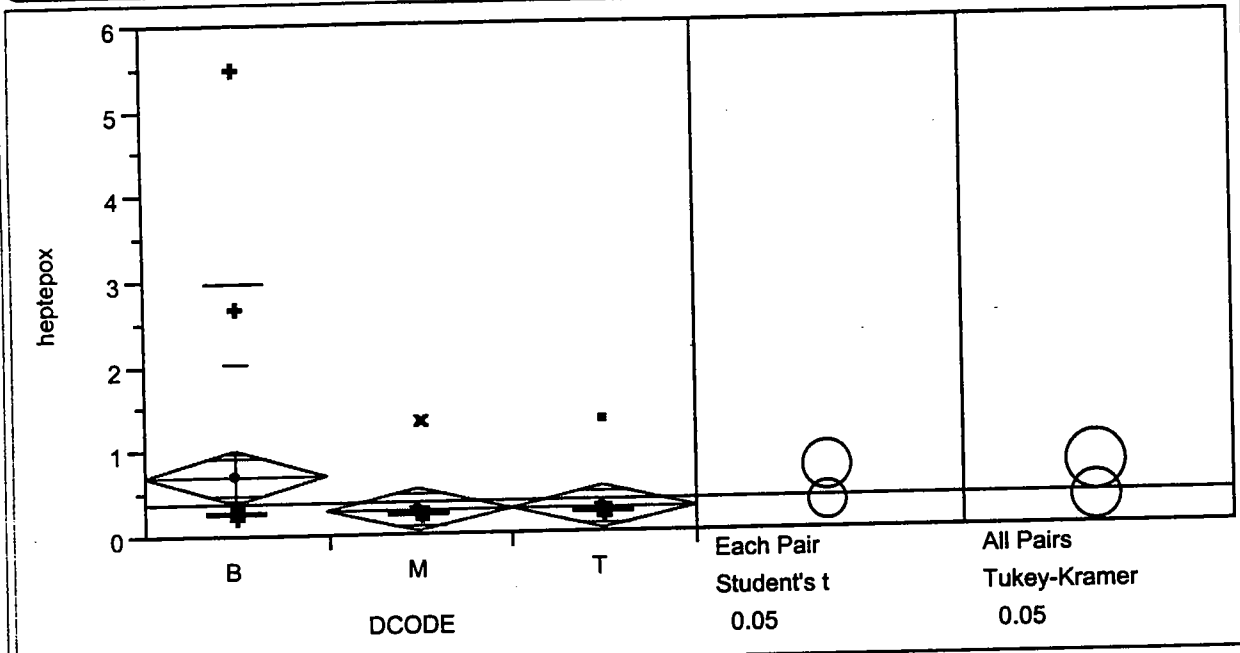
Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| D     | 13    | 478.5     | 36.8077    | 0.253             |
| O     | 11    | 336       | 30.5455    | -0.884            |
| P     | 46    | 1670.5    | 36.3152    | 0.464             |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 0.8020    | 2  | 0.6697     |

heptepox By DCODE



Analysis Display

Quantiles

| Level | minimum | 10.0%  | 25.0% | median | 75.0%   | 90.0%  | maximum |
|-------|---------|--------|-------|--------|---------|--------|---------|
| B     | 0.25    | 0.2545 | 0.255 | 0.26   | 0.31125 | 2.98   | 5.5     |
| M     | 0.24    | 0.245  | 0.25  | 0.25   | 0.26    | 0.2745 | 1.35    |
| T     | 0.24    | 0.24   | 0.245 | 0.25   | 0.255   | 0.2675 | 1.35    |

Oneway Anova

Means and Std Deviations

| Level | Number | Mean     | Std Dev | Std Err Mean |
|-------|--------|----------|---------|--------------|
| B     | 18     | 0.698333 | 1.32785 | 0.31298      |
| M     | 26     | 0.296538 | 0.21508 | 0.04218      |
| T     | 26     | 0.292308 | 0.21590 | 0.04234      |

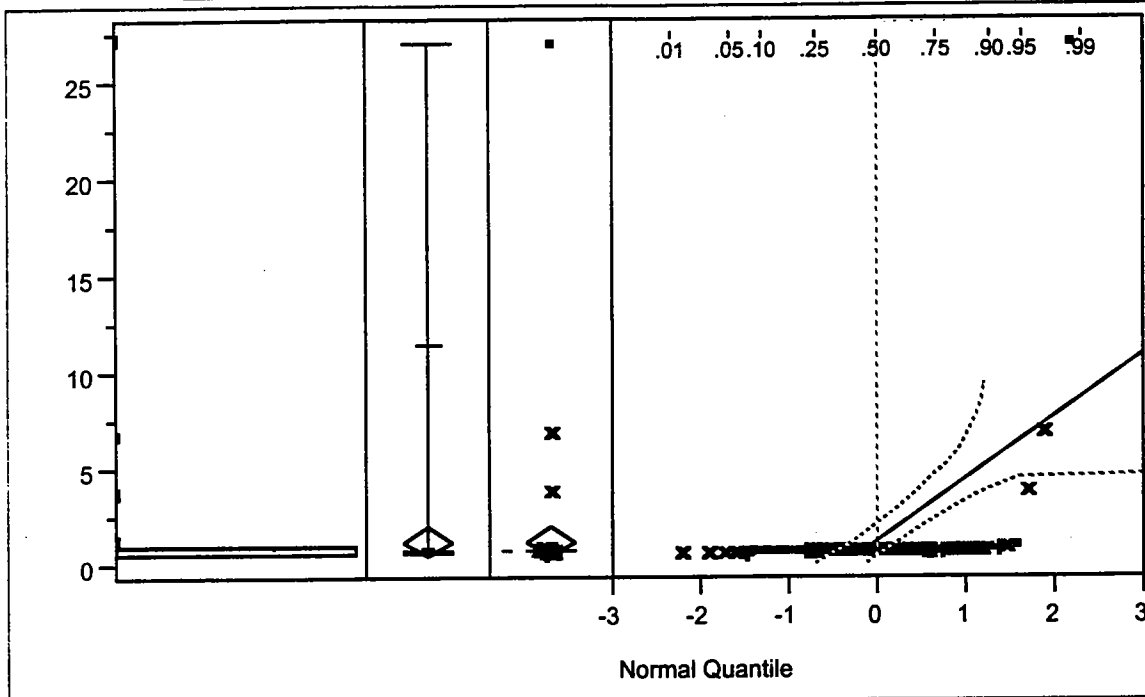
Means Comparisons

Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| B     | 18    | 935.5     | 51.9722    | 4.035             |
| M     | 26    | 904.5     | 34.7885    | -0.222            |
| T     | 26    | 645       | 24.8077    | -3.421            |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 19.5505   | 2  | <.0001     |



**Quantiles**

|          |        |        |
|----------|--------|--------|
| maximum  | 100.0% | 27.000 |
|          | 99.5%  | 27.000 |
|          | 97.5%  | 11.422 |
|          | 90.0%  | 0.845  |
| quartile | 75.0%  | 0.712  |
| median   | 50.0%  | 0.700  |
| quartile | 25.0%  | 0.700  |
|          | 10.0%  | 0.700  |
|          | 2.5%   | 0.650  |
|          | 0.5%   | 0.650  |
| minimum  | 0.0%   | 0.650  |

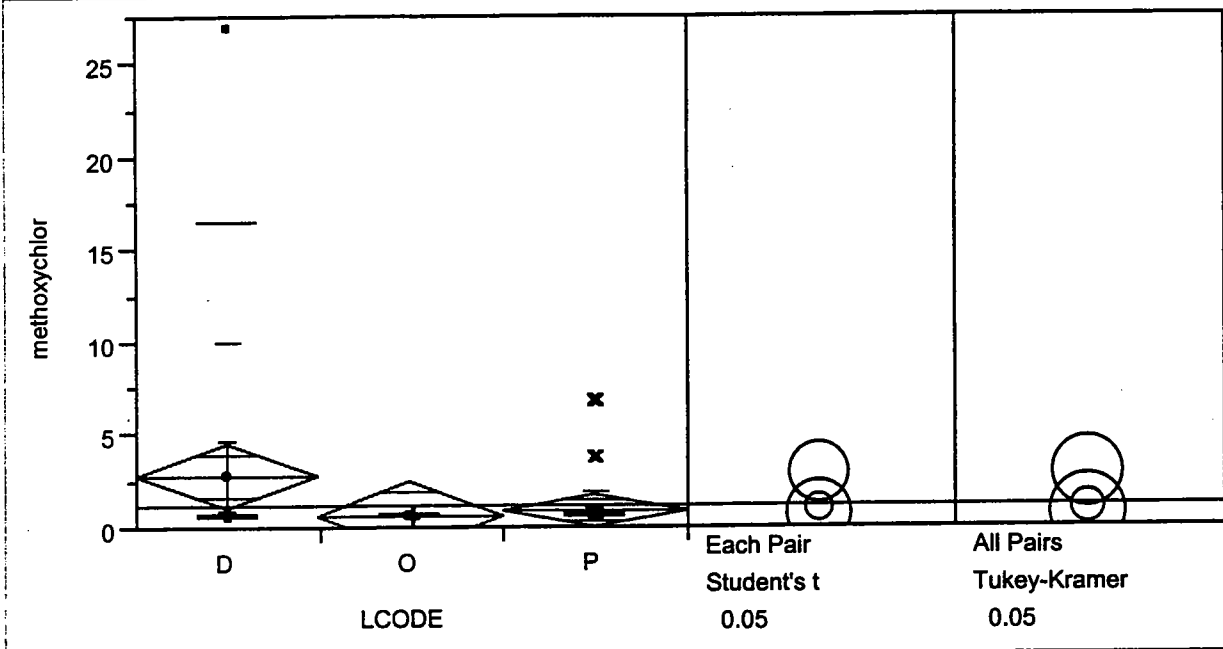
**Moments**

|                |           |
|----------------|-----------|
| Mean           | 1.22571   |
| Std Dev        | 3.23243   |
| Std Error Mean | 0.38635   |
| Upper 95% Mean | 1.99646   |
| Lower 95% Mean | 0.45497   |
| N              | 70.00000  |
| Sum Weights    | 70.00000  |
| Sum            | 85.80000  |
| Variance       | 10.44859  |
| Skewness       | 7.64800   |
| Kurtosis       | 60.93067  |
| CV             | 263.71785 |

**Test for Normality**

|                     |        |
|---------------------|--------|
| Shapiro-Wilk W Test |        |
| W                   | Prob<W |
| 0.181807            | 0.0000 |

methoxychlor By LCODE



Analysis  Display

Quantiles

| Level | minimum | 10.0% | 25.0% | median | 75.0%  | 90.0%  | maximum |
|-------|---------|-------|-------|--------|--------|--------|---------|
| D     | 0.7     | 0.7   | 0.7   | 0.7    | 0.8    | 16.62  | 27      |
| O     | 0.65    | 0.66  | 0.7   | 0.7    | 0.7    | 0.83   | 0.85    |
| P     | 0.65    | 0.685 | 0.7   | 0.7    | 0.7125 | 0.7825 | 6.9     |

Oneway Anova

Means and Std Deviations

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| D     | 13     | 2.76538 | 7.28230 | 2.0197       |
| O     | 11     | 0.71364 | 0.05045 | 0.0152       |
| P     | 46     | 0.91304 | 1.01484 | 0.1496       |

Means Comparisons

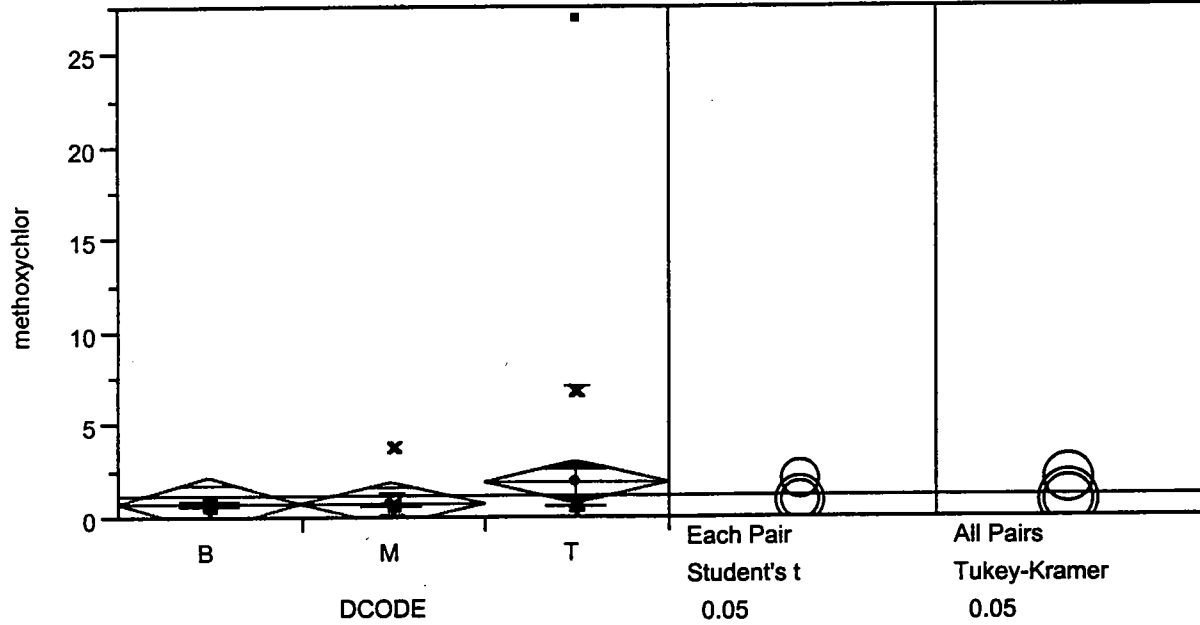
Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| D     | 13    | 524.5     | 40.3462    | 1.148             |
| O     | 11    | 361       | 32.8182    | -0.569            |
| P     | 46    | 1599.5    | 34.7717    | -0.497            |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 1.4606    | 2  | 0.4818     |

methoxychlor By DCODE



Analysis  Display

Quantiles

| Level | minimum | 10.0% | 25.0% | median | 75.0%  | 90.0%  | maximum |
|-------|---------|-------|-------|--------|--------|--------|---------|
| B     | 0.7     | 0.7   | 0.7   | 0.7    | 0.775  | 0.8925 | 1.05    |
| M     | 0.65    | 0.7   | 0.7   | 0.7    | 0.7125 | 0.765  | 3.85    |
| T     | 0.65    | 0.65  | 0.7   | 0.7    | 0.7    | 2.6125 | 27      |

Oneway Anova

Means and Std Deviations

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| B     | 18     | 0.75694 | 0.09386 | 0.0221       |
| M     | 26     | 0.83077 | 0.61645 | 0.1209       |
| T     | 26     | 1.94519 | 5.25293 | 1.0302       |

Means Comparisons

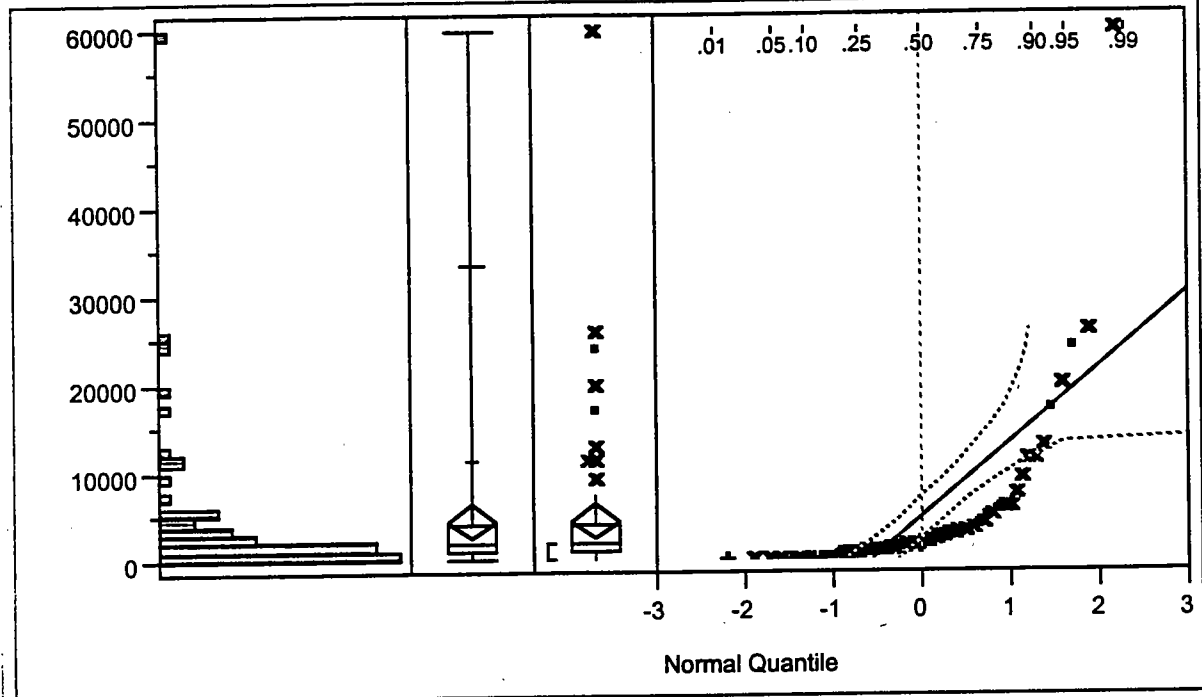
Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| B     | 18    | 787       | 43.7222    | 2.411             |
| M     | 26    | 924.5     | 35.5577    | 0.015             |
| T     | 26    | 773.5     | 29.7500    | -2.203            |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 7.4191    | 2  | 0.0245     |

Perchlor



**Quantiles**

|          |        |       |
|----------|--------|-------|
| maximum  | 100.0% | 59900 |
|          | 99.5%  | 59900 |
|          | 97.5%  | 33472 |
|          | 90.0%  | 11480 |
| quartile | 75.0%  | 4040  |
| median   | 50.0%  | 1860  |
| quartile | 25.0%  | 943   |
|          | 10.0%  | 226   |
|          | 2.5%   | 11    |
|          | 0.5%   | 10    |
| minimum  | 0.0%   | 10    |

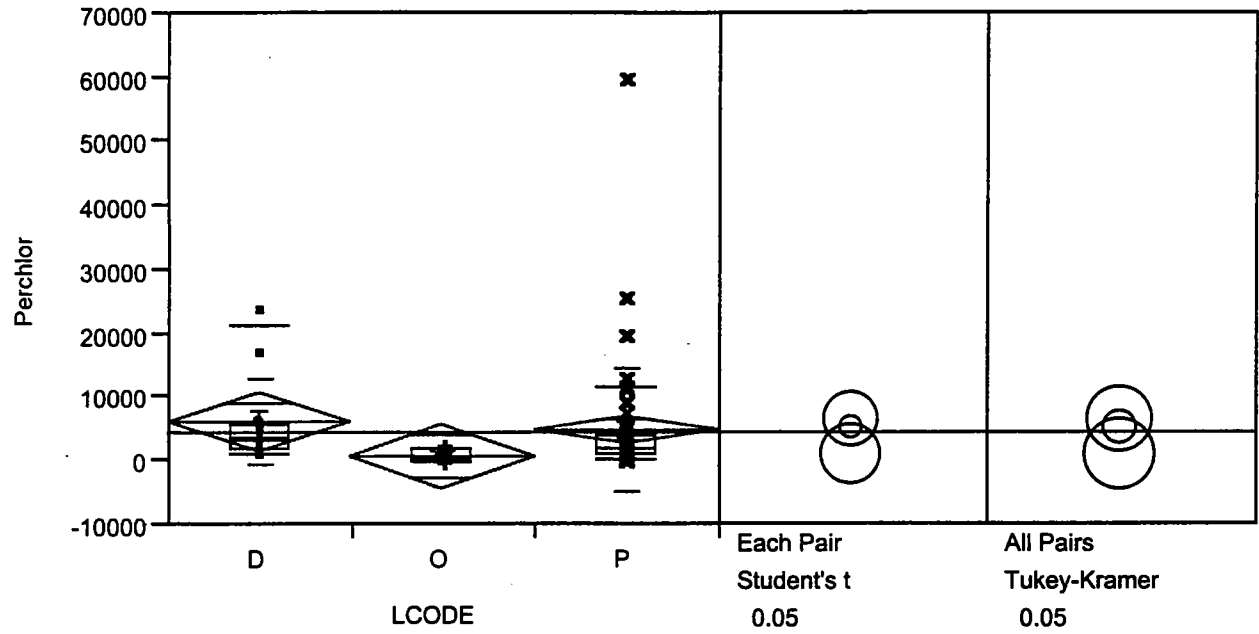
**Moments**

|                |           |
|----------------|-----------|
| Mean           | 4534.071  |
| Std Dev        | 8542.661  |
| Std Error Mean | 1021.043  |
| Upper 95% Mean | 6571.000  |
| Lower 95% Mean | 2497.141  |
| N              | 70.000    |
| Sum Weights    | 70.000    |
| Sum            | 317384.95 |
| Variance       | 72977065  |
| Skewness       | 4.590     |
| Kurtosis       | 26.091    |
| CV             | 188.410   |

**Test for Normality**

|                     |        |
|---------------------|--------|
| Shapiro-Wilk W Test |        |
| W                   | Prob<W |
| 0.511544            | 0.0000 |

**Perchlor By LCODE**



Analysis Display

**Quantiles**

| Level | minimum | 10.0%  | 25.0% | median | 75.0%  | 90.0% | maximum |
|-------|---------|--------|-------|--------|--------|-------|---------|
| D     | 959     | 1087.4 | 2220  | 3750   | 5680   | 21340 | 24100   |
| O     | 10.4    | 20.56  | 222   | 361    | 1810   | 2222  | 2300    |
| P     | 10.55   | 247.8  | 959   | 1840   | 4292.5 | 11902 | 59900   |

**Oneway Anova**

**Means and Std Deviations**

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| D     | 13     | 6023.77 | 6812.80 | 1889.5       |
| O     | 11     | 939.51  | 880.85  | 265.6        |
| P     | 46     | 4972.64 | 9764.86 | 1439.7       |

**Means Comparisons**

**Wilcoxon / Kruskal-Wallis Tests (Rank Sums)**

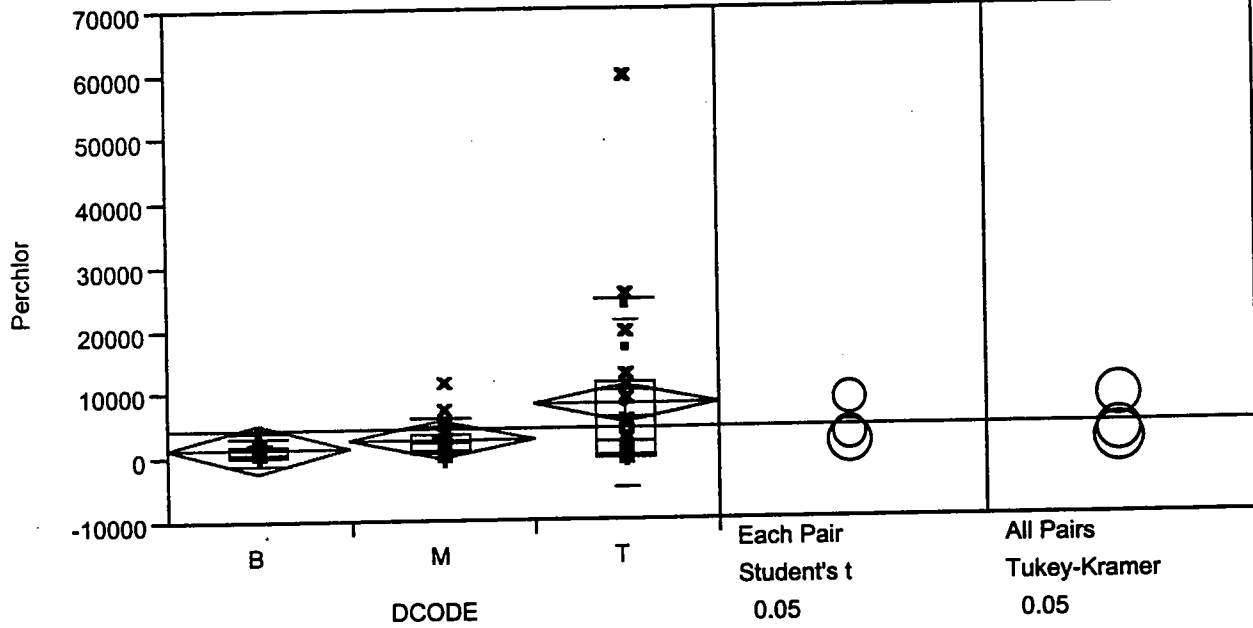
| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| D     | 13    | 626       | 48.1538    | 2.477             |
| O     | 11    | 212.5     | 19.3182    | -2.865            |
| P     | 46    | 1646.5    | 35.7935    | 0.161             |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 11.9911   | 2  | 0.0025     |



**Perchlor By DCODE**



Analysis Display

**Quantiles**

| Level | minimum | 10.0%  | 25.0%  | median | 75.0%  | 90.0% | maximum |
|-------|---------|--------|--------|--------|--------|-------|---------|
| B     | 222     | 261.6  | 888.75 | 1460   | 2030   | 3360  | 4890    |
| M     | 61.2    | 610.2  | 1275   | 2590   | 3822.5 | 6317  | 11500   |
| T     | 10.4    | 27.315 | 284.5  | 2422.5 | 11685  | 24610 | 59900   |

**Oneway Anova**

**Means and Std Deviations**

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| B     | 18     | 1679.83 | 1152.8  | 271.7        |
| M     | 26     | 2900.05 | 2469.1  | 484.2        |
| T     | 26     | 8144.11 | 13123.3 | 2573.7       |

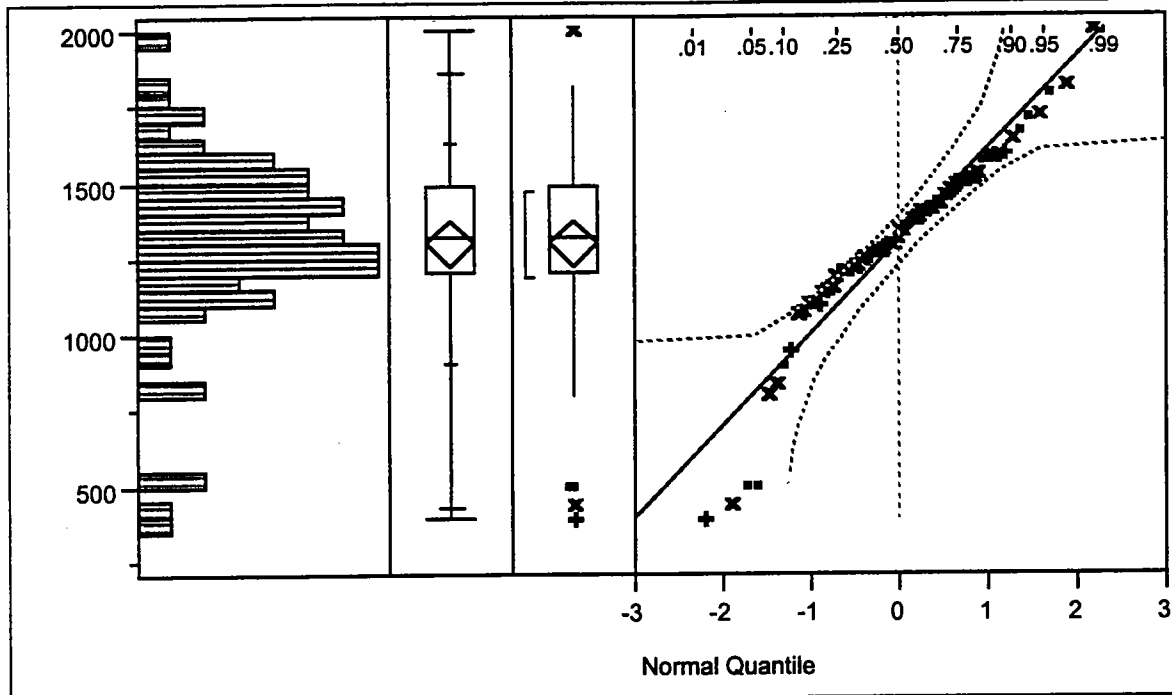
**Means Comparisons**

**Wilcoxon / Kruskal-Wallis Tests (Rank Sums)**

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| B     | 18    | 516       | 28.6667    | -1.646            |
| M     | 26    | 984       | 37.8462    | 0.735             |
| T     | 26    | 985       | 37.8846    | 0.748             |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 2.7321    | 2  | 0.2551     |



## Quantiles

|          |        |        |
|----------|--------|--------|
| maximum  | 100.0% | 2000.0 |
|          | 99.5%  | 2000.0 |
|          | 97.5%  | 1860.5 |
|          | 90.0%  | 1636.0 |
| quartile | 75.0%  | 1492.5 |
| median   | 50.0%  | 1325.0 |
| quartile | 25.0%  | 1205.0 |
|          | 10.0%  | 905.0  |
|          | 2.5%   | 431.8  |
|          | 0.5%   | 395.0  |
| minimum  | 0.0%   | 395.0  |

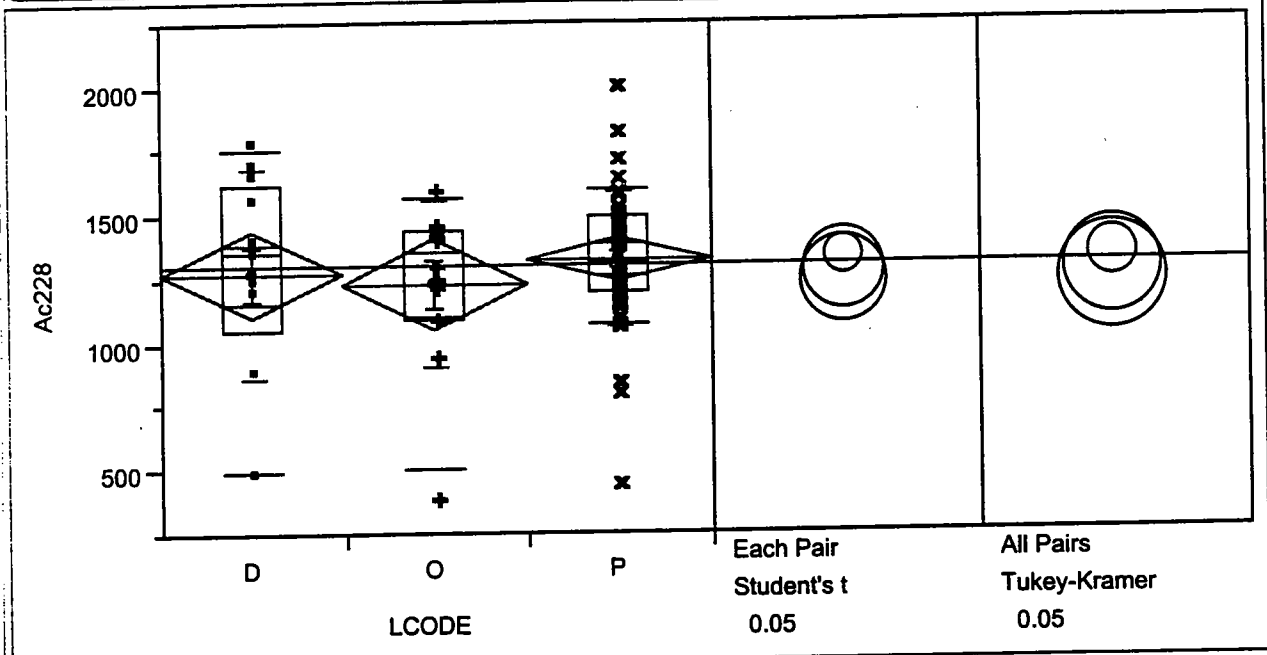
## Moments

|                |           |
|----------------|-----------|
| Mean           | 1303.321  |
| Std Dev        | 304.730   |
| Std Error Mean | 36.422    |
| Upper 95% Mean | 1375.982  |
| Lower 95% Mean | 1230.661  |
| N              | 70.000    |
| Sum Weights    | 70.000    |
| Sum            | 91232.500 |
| Variance       | 92860.638 |
| Skewness       | -0.959    |
| Kurtosis       | 1.860     |
| CV             | 23.381    |

## Test for Normality

|                     |        |
|---------------------|--------|
| Shapiro-Wilk W Test |        |
| W                   | Prob<W |
| 0.928160            | 0.0006 |

Ac228 By LCODE



Analysis  Display

Quantiles

| Level | minimum | 10.0% | 25.0% | median | 75.0% | 90.0% | maximum |
|-------|---------|-------|-------|--------|-------|-------|---------|
| D     | 500     | 500   | 1055  | 1360   | 1620  | 1758  | 1790    |
| O     | 395     | 506   | 1100  | 1310   | 1450  | 1574  | 1600    |
| P     | 442.5   | 1077  | 1205  | 1320   | 1500  | 1605  | 2000    |

Oneway Anova

Means and Std Deviations

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| D     | 13     | 1273.08 | 416.221 | 115.44       |
| O     | 11     | 1235.00 | 333.324 | 100.50       |
| P     | 46     | 1328.21 | 263.554 | 38.86        |

Means Comparisons

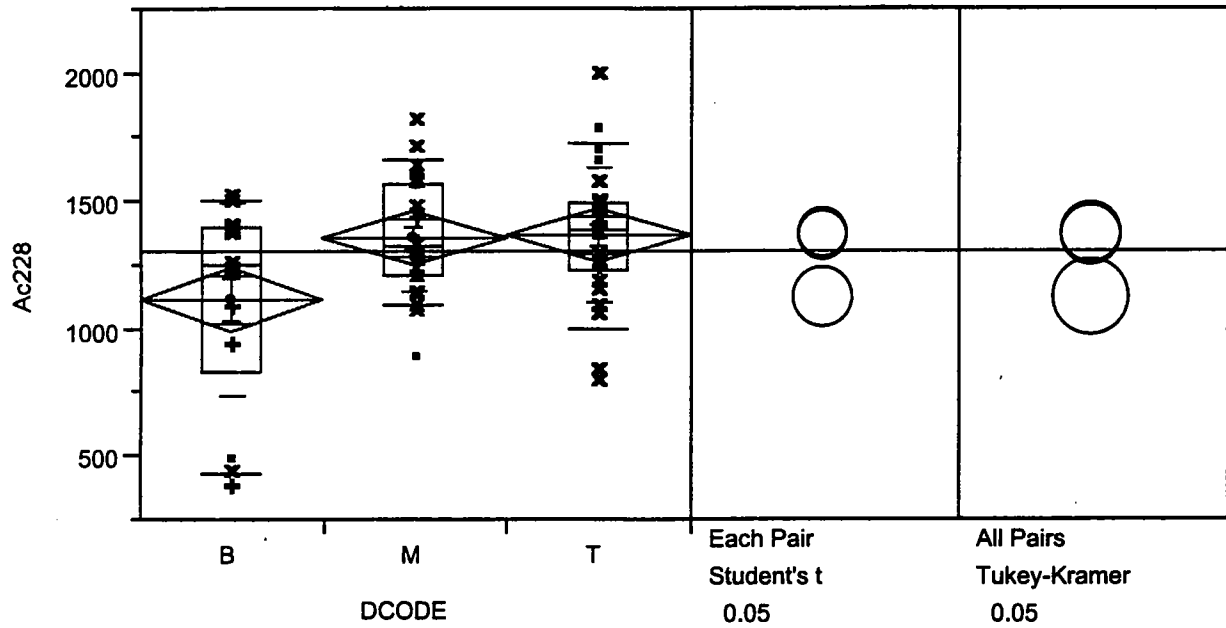
Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| D     | 13    | 472.5     | 36.3462    | 0.159             |
| O     | 11    | 359.5     | 32.6818    | -0.492            |
| P     | 46    | 1653      | 35.9348    | 0.241             |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 0.2545    | 2  | 0.8805     |

Ac228 By DCODE



Analysis  Display

Quantiles

| Level | minimum | 10.0%  | 25.0%   | median | 75.0%  | 90.0% | maximum |
|-------|---------|--------|---------|--------|--------|-------|---------|
| B     | 395     | 437.75 | 837.5   | 1255   | 1402.5 | 1512  | 1530    |
| M     | 900     | 1094   | 1210    | 1325   | 1572.5 | 1664  | 1820    |
| T     | 800     | 1001   | 1238.75 | 1395   | 1502.5 | 1734  | 2000    |

Oneway Anova

Means and Std Deviations

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| B     | 18     | 1119.31 | 388.929 | 91.672       |
| M     | 26     | 1358.85 | 220.732 | 43.289       |
| T     | 26     | 1375.19 | 267.867 | 52.533       |

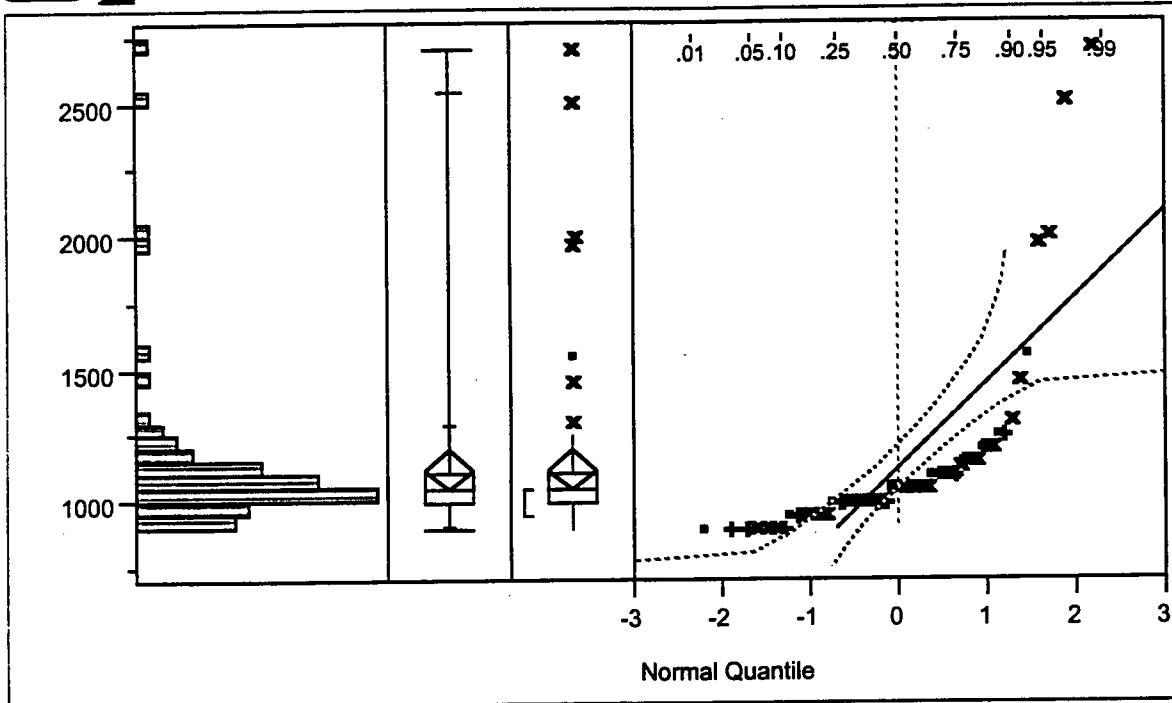
Means Comparisons

Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| B     | 18    | 486.5     | 27.0278    | -2.043            |
| M     | 26    | 969.5     | 37.2885    | 0.559             |
| T     | 26    | 1029      | 39.5769    | 1.283             |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 4.3660    | 2  | 0.1127     |



**Quantiles**

|          |        |        |
|----------|--------|--------|
| maximum  | 100.0% | 2700.0 |
|          | 99.5%  | 2700.0 |
|          | 97.5%  | 2545.0 |
|          | 90.0%  | 1295.0 |
| quartile | 75.0%  | 1106.3 |
| median   | 50.0%  | 1050.0 |
| quartile | 25.0%  | 1000.0 |
|          | 10.0%  | 905.0  |
|          | 2.5%   | 900.0  |
|          | 0.5%   | 900.0  |
| minimum  | 0.0%   | 900.0  |

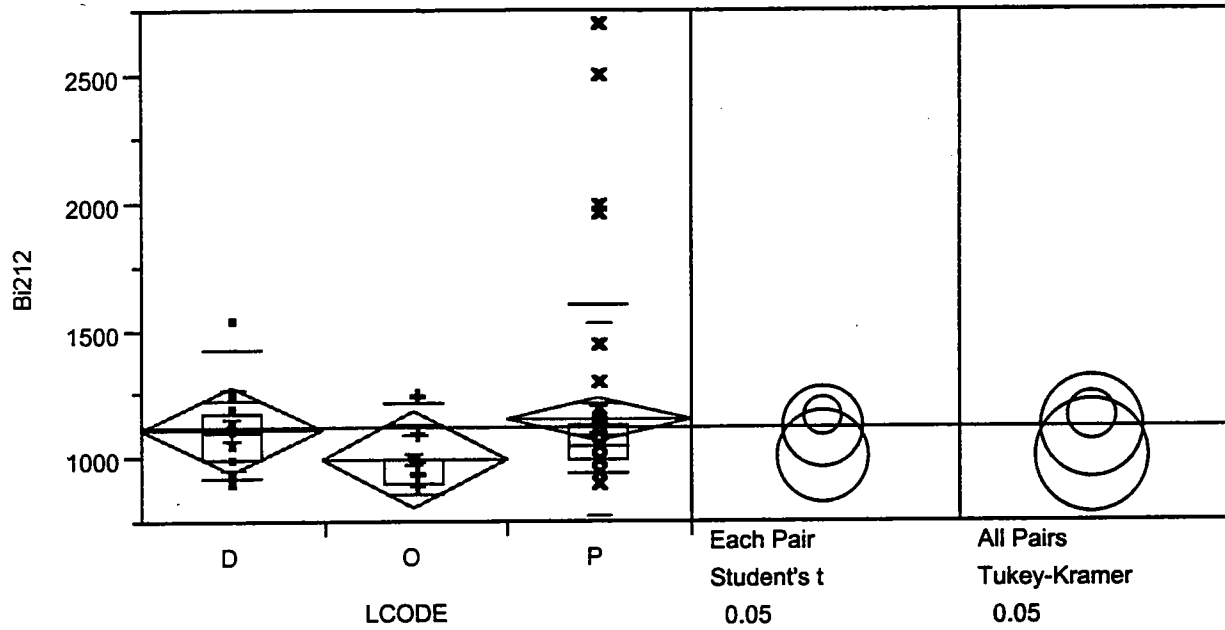
**Moments**

|                |           |
|----------------|-----------|
| Mean           | 1123.500  |
| Std Dev        | 322.161   |
| Std Error Mean | 38.506    |
| Upper 95% Mean | 1200.317  |
| Lower 95% Mean | 1046.683  |
| N              | 70.000    |
| Sum Weights    | 70.000    |
| Sum            | 78645.000 |
| Variance       | 103787.93 |
| Skewness       | 3.468     |
| Kurtosis       | 12.930    |
| CV             | 28.675    |

**Test for Normality**

|                     |        |
|---------------------|--------|
| Shapiro-Wilk W Test |        |
| W                   | Prob<W |
| 0.564695            | 0.0000 |

Bi212 By LCODE



Analysis Display

Quantiles

| Level | minimum | 10.0% | 25.0% | median | 75.0%   | 90.0% | maximum |
|-------|---------|-------|-------|--------|---------|-------|---------|
| D     | 900     | 920   | 1000  | 1100   | 1175    | 1430  | 1550    |
| O     | 900     | 900   | 900   | 1000   | 1000    | 1220  | 1250    |
| P     | 900     | 950   | 1000  | 1050   | 1131.25 | 1606  | 2700    |

Oneway Anova

Means and Std Deviations

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| D     | 13     | 1111.54 | 163.495 | 45.345       |
| O     | 11     | 1000.00 | 102.470 | 30.896       |
| P     | 46     | 1156.41 | 380.530 | 56.106       |

Means Comparisons

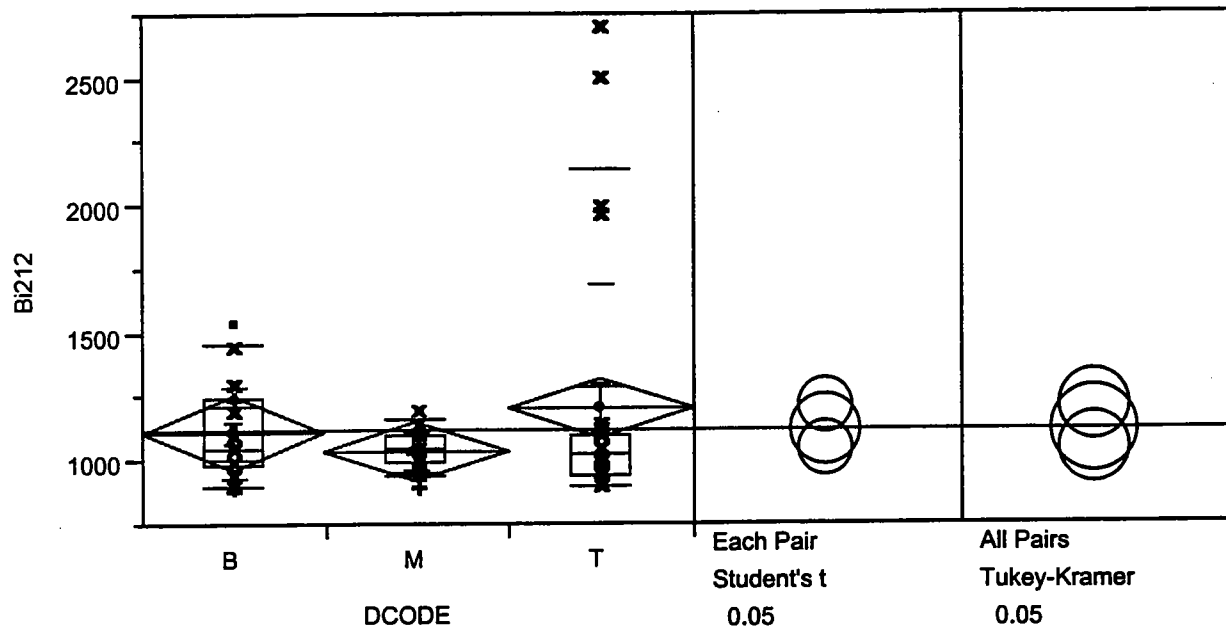
Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| D     | 13    | 545.5     | 41.9615    | 1.277             |
| O     | 11    | 255.5     | 23.2273    | -2.198            |
| P     | 46    | 1684      | 36.6087    | 0.633             |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 5.5861    | 2  | 0.0612     |

Bi212 By DCODE



Analysis  Display

Quantiles

| Level | minimum | 10.0% | 25.0% | median | 75.0%   | 90.0% | maximum |
|-------|---------|-------|-------|--------|---------|-------|---------|
| B     | 900     | 900   | 987.5 | 1050   | 1250    | 1460  | 1550    |
| M     | 900     | 950   | 1000  | 1050   | 1100    | 1165  | 1200    |
| T     | 900     | 900   | 950   | 1025   | 1106.25 | 2150  | 2700    |

Oneway Anova

Means and Std Deviations

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| B     | 18     | 1113.89 | 187.715 | 44.245       |
| M     | 26     | 1042.31 | 75.753  | 14.856       |
| T     | 26     | 1211.35 | 491.739 | 96.438       |

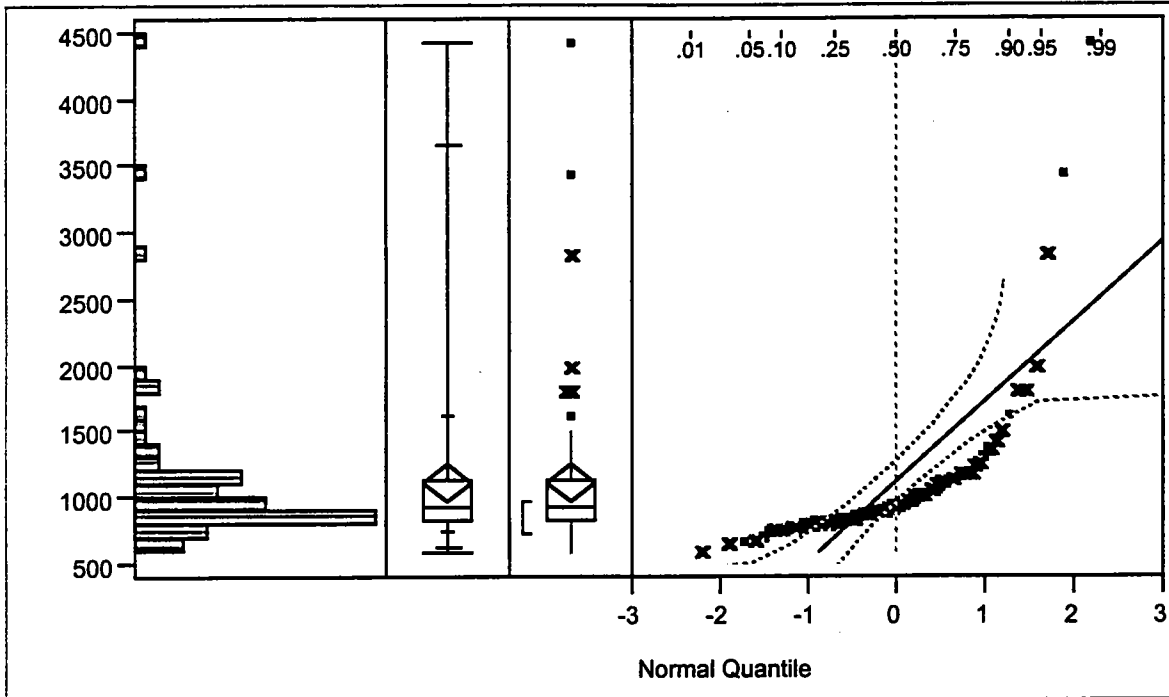
Means Comparisons

Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| B     | 18    | 698.5     | 38.8056    | 0.803             |
| M     | 26    | 885       | 34.0385    | -0.462            |
| T     | 26    | 901.5     | 34.6731    | -0.258            |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 0.6685    | 2  | 0.7159     |



**Quantiles**

|          |        |        |
|----------|--------|--------|
| maximum  | 100.0% | 4430.0 |
|          | 99.5%  | 4430.0 |
|          | 97.5%  | 3662.7 |
|          | 90.0%  | 1617.0 |
| quartile | 75.0%  | 1137.5 |
| median   | 50.0%  | 937.5  |
| quartile | 25.0%  | 827.5  |
|          | 10.0%  | 761.0  |
|          | 2.5%   | 638.8  |
|          | 0.5%   | 600.0  |
| minimum  | 0.0%   | 600.0  |

**Moments**

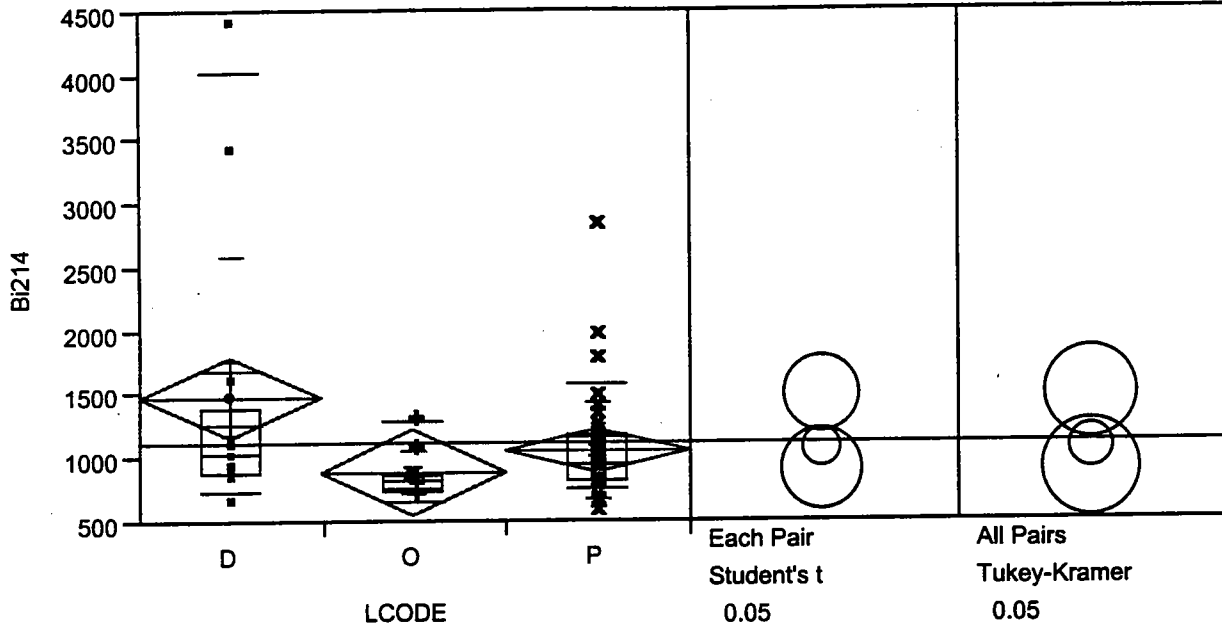
|                |           |
|----------------|-----------|
| Mean           | 1113.214  |
| Std Dev        | 604.786   |
| Std Error Mean | 72.286    |
| Upper 95% Mean | 1257.421  |
| Lower 95% Mean | 969.008   |
| N              | 70.000    |
| Sum Weights    | 70.000    |
| Sum            | 77925.000 |
| Variance       | 365765.97 |
| Skewness       | 3.685     |
| Kurtosis       | 15.862    |
| CV             | 54.328    |

**Test for Normality**

|                     |        |
|---------------------|--------|
| Shapiro-Wilk W Test |        |
| W                   | Prob<W |
| 0.596294            | 0.0000 |



Bi214 By LCODE



Analysis  Display

**Quantiles**

| Level | minimum | 10.0% | 25.0% | median | 75.0% | 90.0% | maximum |
|-------|---------|-------|-------|--------|-------|-------|---------|
| D     | 670     | 750   | 895   | 1040   | 1395  | 4034  | 4430    |
| O     | 740     | 746   | 770   | 830    | 860   | 1284  | 1330    |
| P     | 600     | 757   | 827.5 | 947.5  | 1180  | 1590  | 2840    |

**Oneway Anova**

**Means and Std Deviations**

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| D     | 13     | 1482.31 | 1129.29 | 313.21       |
| O     | 11     | 885.45  | 175.01  | 52.77        |
| P     | 46     | 1063.37 | 399.22  | 58.86        |

**Means Comparisons**

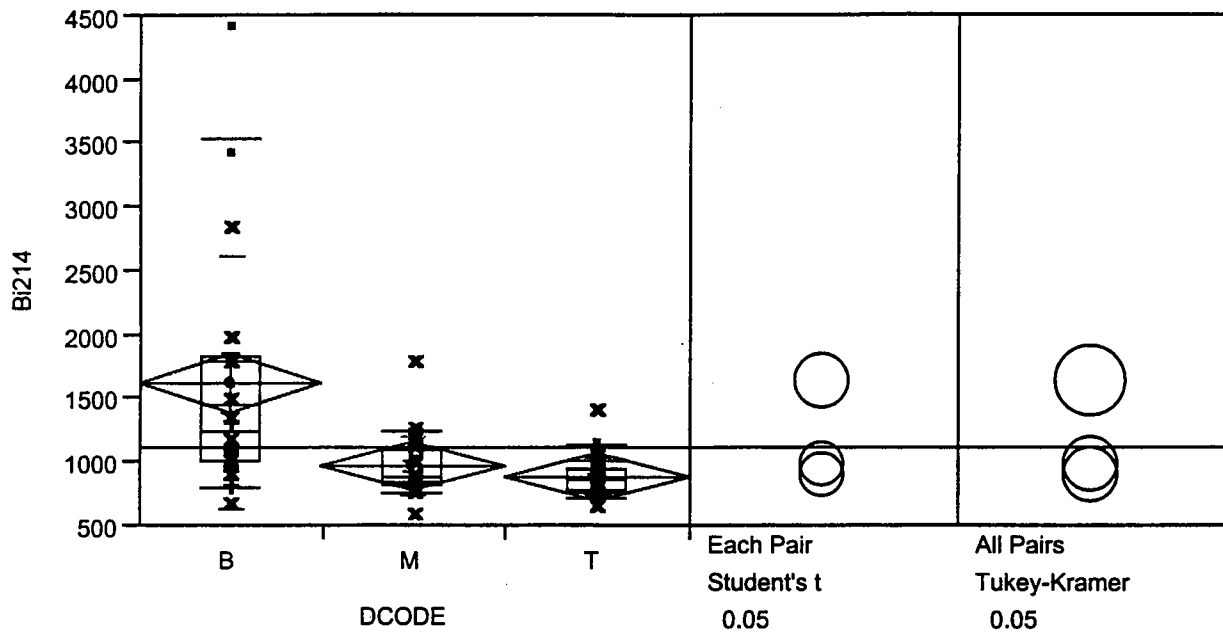
**Wilcoxon / Kruskal-Wallis Tests (Rank Sums)**

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| D     | 13    | 580       | 44.6154    | 1.783             |
| O     | 11    | 251.5     | 22.8636    | -2.236            |
| P     | 46    | 1653.5    | 35.9457    | 0.248             |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 6.8744    | 2  | 0.0322     |

**Bi214 By DCODE**



Analysis Display

**Quantiles**

| Level | minimum | 10.0% | 25.0%  | median | 75.0% | 90.0% | maximum |
|-------|---------|-------|--------|--------|-------|-------|---------|
| B     | 670     | 805   | 1007.5 | 1255   | 1845  | 3539  | 4430    |
| M     | 600     | 767   | 827.5  | 895    | 1130  | 1239  | 1800    |
| T     | 650     | 719   | 792.5  | 875    | 957.5 | 1139  | 1410    |

**Oneway Anova**

**Means and Std Deviations**

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| B     | 18     | 1621.67 | 995.432 | 234.63       |
| M     | 26     | 975.77  | 235.528 | 46.19        |
| T     | 26     | 898.65  | 163.025 | 31.97        |

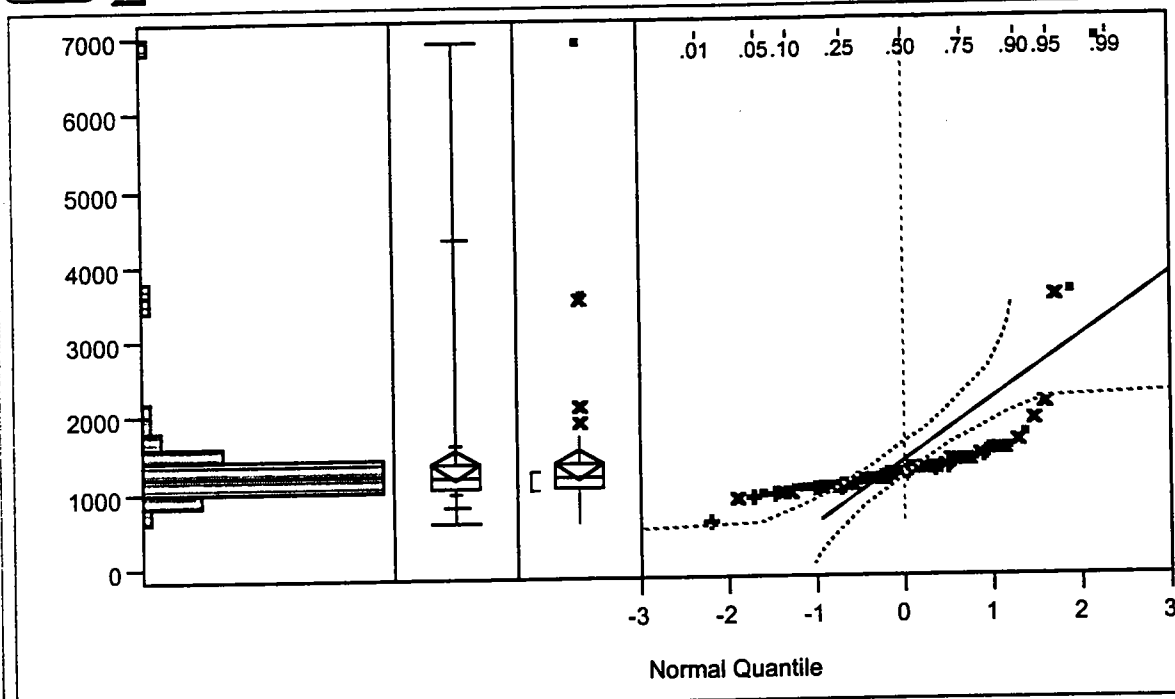
**Means Comparisons**

**Wilcoxon / Kruskal-Wallis Tests (Rank Sums)**

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| B     | 18    | 926.5     | 51.4722    | 3.858             |
| M     | 26    | 863.5     | 33.2115    | -0.717            |
| T     | 26    | 695       | 26.7308    | -2.766            |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 16.2516   | 2  | 0.0003     |



**Quantiles**

|          |        |        |
|----------|--------|--------|
| maximum  | 100.0% | 6900.0 |
|          | 99.5%  | 6900.0 |
|          | 97.5%  | 4342.5 |
|          | 90.0%  | 1595.0 |
| quartile | 75.0%  | 1350.0 |
| median   | 50.0%  | 1200.0 |
| quartile | 25.0%  | 1037.5 |
|          | 10.0%  | 955.0  |
|          | 2.5%   | 793.8  |
|          | 0.5%   | 600.0  |
| minimum  | 0.0%   | 600.0  |

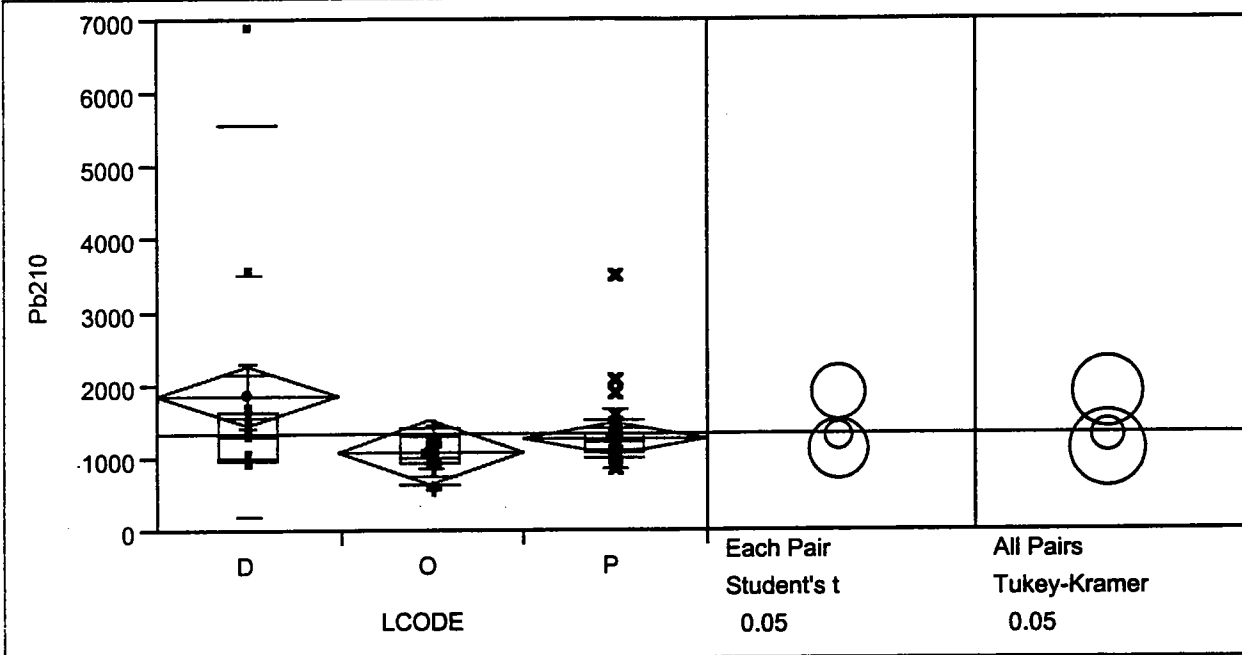
**Moments**

|                |           |
|----------------|-----------|
| Mean           | 1360.000  |
| Std Dev        | 813.723   |
| Std Error Mean | 97.258    |
| Upper 95% Mean | 1554.026  |
| Lower 95% Mean | 1165.974  |
| N              | 70.000    |
| Sum Weights    | 70.000    |
| Sum            | 95200.000 |
| Variance       | 662144.93 |
| Skewness       | 5.261     |
| Kurtosis       | 32.540    |
| CV             | 59.833    |

**Test for Normality**

|                     |        |
|---------------------|--------|
| Shapiro-Wilk W Test |        |
| W                   | Prob<W |
| 0.470391            | 0.0000 |

**Pb210 By LCODE**



Analysis Display

**Quantiles**

| Level | minimum | 10.0% | 25.0% | median | 75.0% | 90.0% | maximum |
|-------|---------|-------|-------|--------|-------|-------|---------|
| D     | 950     | 970   | 1000  | 1300   | 1625  | 5580  | 6900    |
| O     | 600     | 660   | 950   | 1000   | 1300  | 1420  | 1450    |
| P     | 850     | 1000  | 1100  | 1225   | 1350  | 1530  | 3500    |

**Oneway Anova**

**Means and Std Deviations**

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| D     | 13     | 1853.85 | 1668.52 | 462.76       |
| O     | 11     | 1086.36 | 239.89  | 72.33        |
| P     | 46     | 1285.87 | 407.11  | 60.03        |

**Means Comparisons**

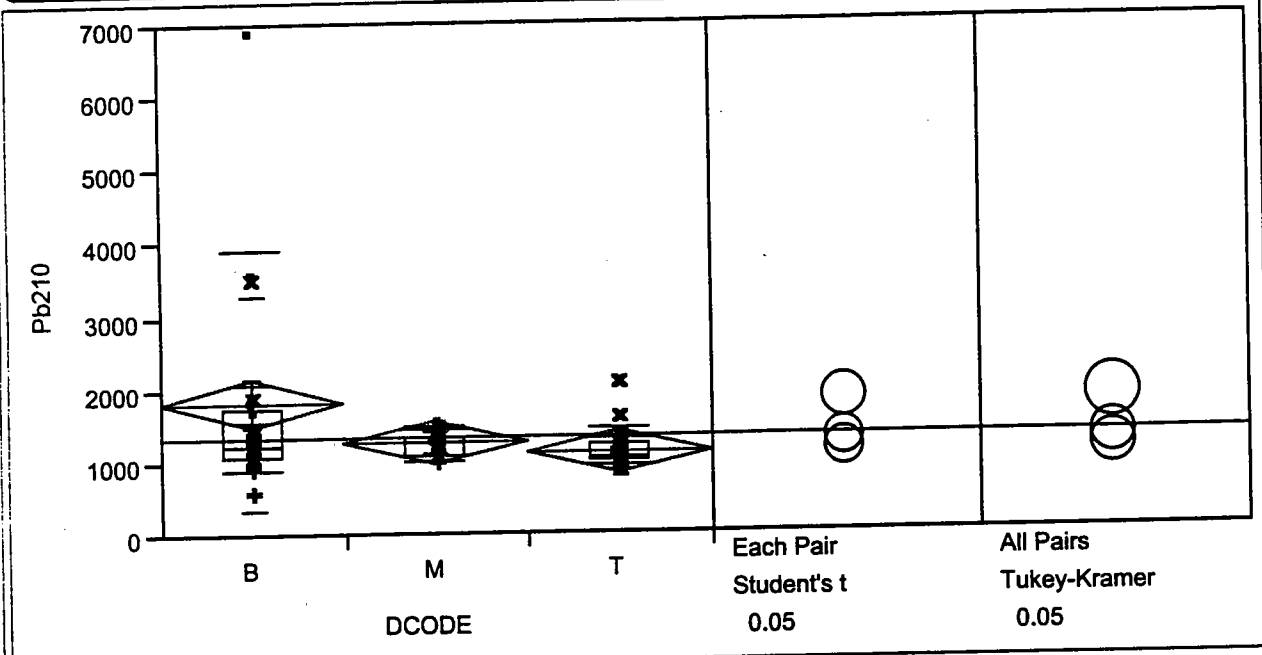
**Wilcoxon / Kruskal-Wallis Tests (Rank Sums)**

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| D     | 13    | 524       | 40.3077    | 0.940             |
| O     | 11    | 274.5     | 24.9545    | -1.872            |
| P     | 46    | 1686.5    | 36.6630    | 0.659             |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 3.8628    | 2  | 0.1449     |

**Pb210 By DCODE**



Analysis  Display

**Quantiles**

| Level | minimum | 10.0% | 25.0% | median | 75.0% | 90.0% | maximum |
|-------|---------|-------|-------|--------|-------|-------|---------|
| B     | 600     | 915   | 1100  | 1250   | 1750  | 3930  | 6900    |
| M     | 1000    | 1000  | 1100  | 1275   | 1350  | 1500  | 1550    |
| T     | 850     | 935   | 1000  | 1050   | 1250  | 1460  | 2100    |

**Oneway Anova**

**Means and Std Deviations**

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| B     | 18     | 1816.67 | 1496.47 | 352.72       |
| M     | 26     | 1265.38 | 162.34  | 31.84        |
| T     | 26     | 1138.46 | 260.50  | 51.09        |

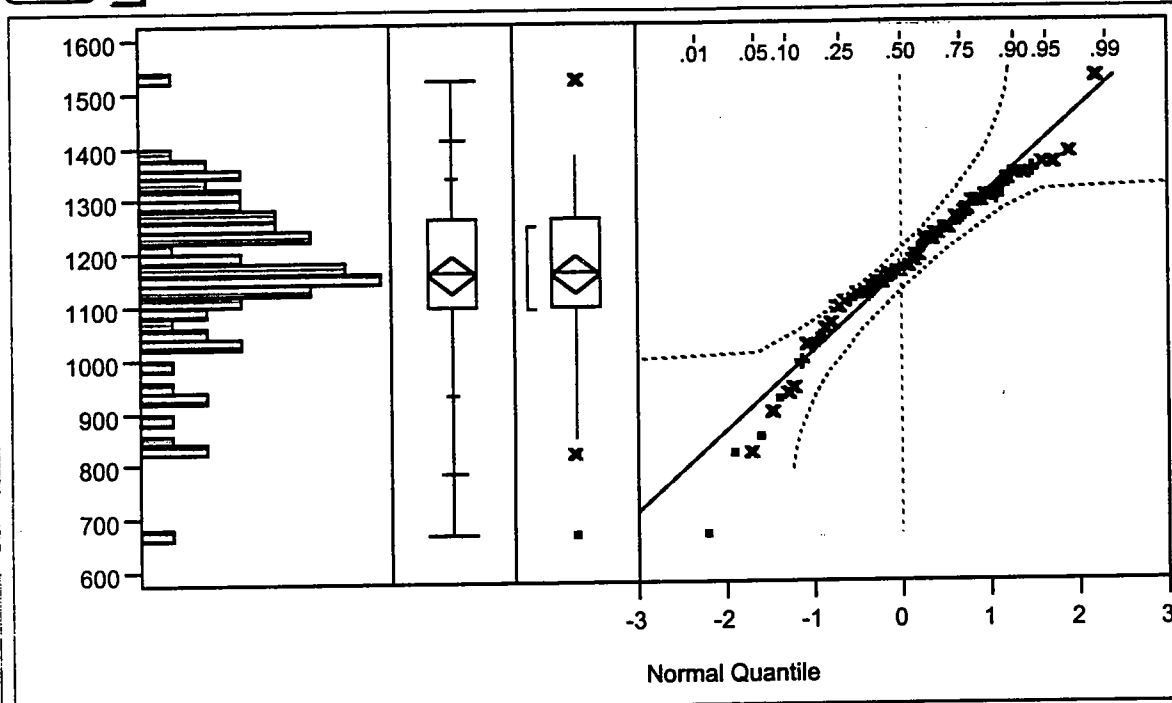
**Means Comparisons**

**Wilcoxon / Kruskal-Wallis Tests (Rank Sums)**

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| B     | 18    | 759.5     | 42.1944    | 1.620             |
| M     | 26    | 1073      | 41.2692    | 1.825             |
| T     | 26    | 652.5     | 25.0962    | -3.296            |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 10.9270   | 2  | 0.0042     |



**Quantiles**

|          |        |        |
|----------|--------|--------|
| maximum  | 100.0% | 1520.0 |
|          | 99.5%  | 1520.0 |
|          | 97.5%  | 1411.5 |
|          | 90.0%  | 1339.0 |
| quartile | 75.0%  | 1262.5 |
| median   | 50.0%  | 1165.0 |
| quartile | 25.0%  | 1097.5 |
|          | 10.0%  | 931.0  |
|          | 2.5%   | 786.3  |
|          | 0.5%   | 670.0  |
| minimum  | 0.0%   | 670.0  |

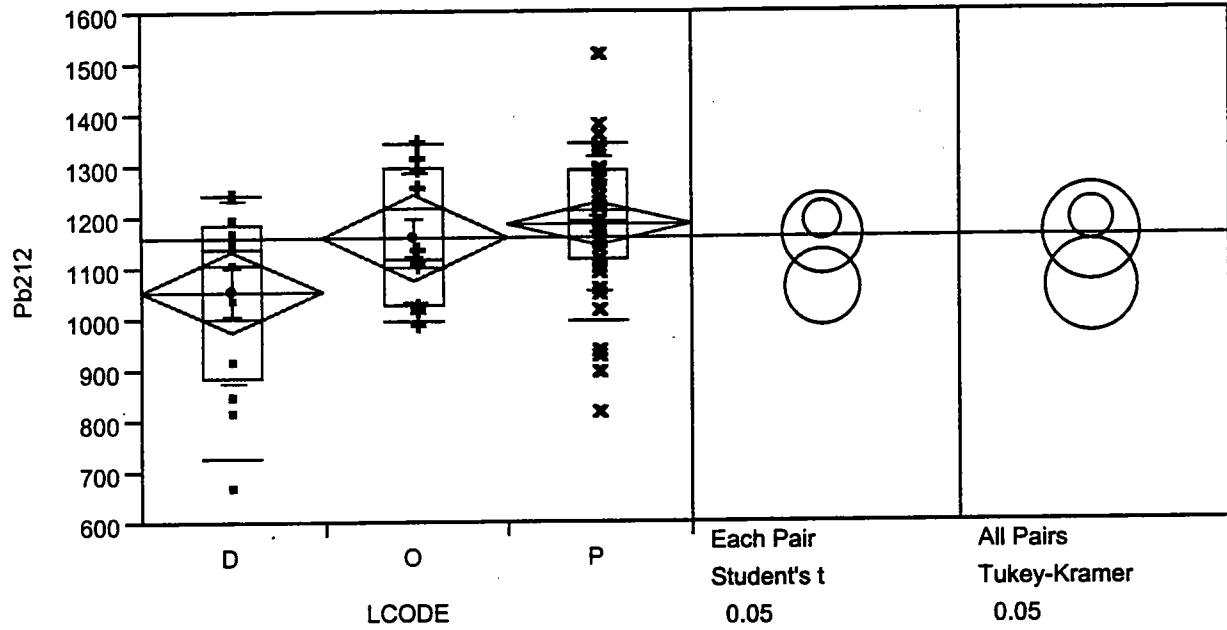
**Moments**

|                |           |
|----------------|-----------|
| Mean           | 1159.214  |
| Std Dev        | 150.672   |
| Std Error Mean | 18.009    |
| Upper 95% Mean | 1195.141  |
| Lower 95% Mean | 1123.288  |
| N              | 70.000    |
| Sum Weights    | 70.000    |
| Sum            | 81145.000 |
| Variance       | 22701.910 |
| Skewness       | -0.748    |
| Kurtosis       | 1.127     |
| CV             | 12.998    |

**Test for Normality**

|                     |        |
|---------------------|--------|
| Shapiro-Wilk W Test |        |
| W                   | Prob<W |
| 0.962778            | 0.1029 |

**Pb212 By LCODE**



Analysis  Display

**Quantiles**

| Level | minimum | 10.0% | 25.0% | median | 75.0% | 90.0% | maximum |
|-------|---------|-------|-------|--------|-------|-------|---------|
| D     | 670     | 730   | 885   | 1140   | 1185  | 1246  | 1250    |
| O     | 990     | 996   | 1030  | 1120   | 1300  | 1344  | 1350    |
| P     | 820     | 996   | 1120  | 1190   | 1290  | 1346  | 1520    |

**Oneway Anova**

**Means and Std Deviations**

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| D     | 13     | 1055.38 | 182.739 | 50.683       |
| O     | 11     | 1160.00 | 127.593 | 38.471       |
| P     | 46     | 1188.37 | 135.290 | 19.947       |

**Means Comparisons**

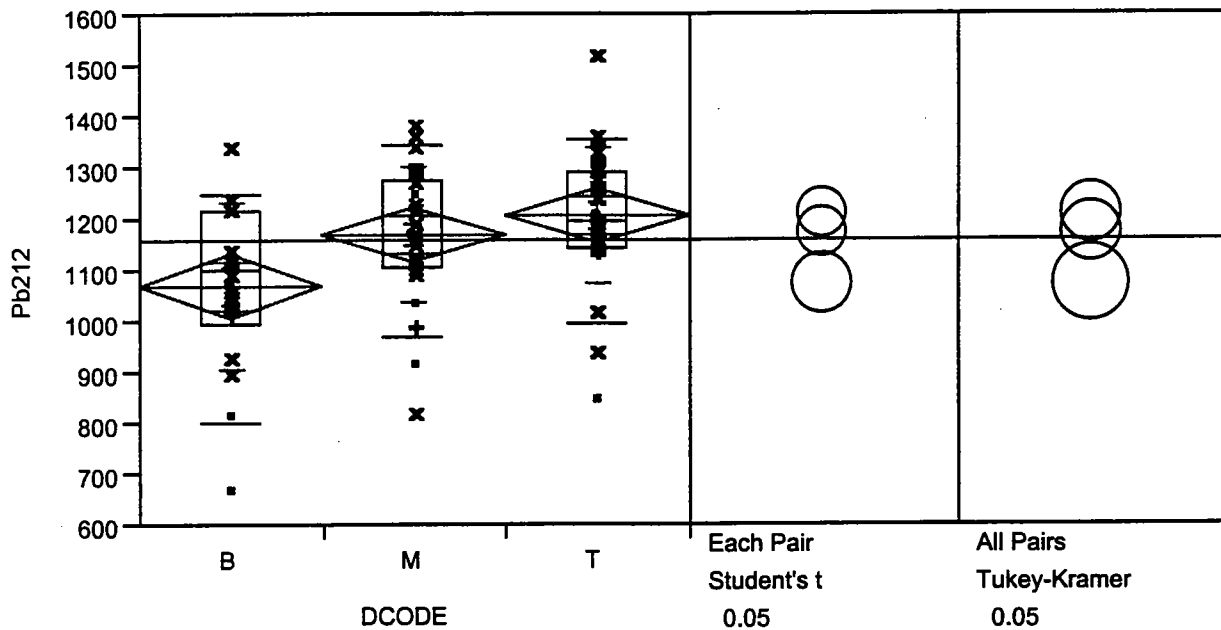
**Wilcoxon / Kruskal-Wallis Tests (Rank Sums)**

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| D     | 13    | 317       | 24.3846    | -2.176            |
| O     | 11    | 365       | 33.1818    | -0.404            |
| P     | 46    | 1803      | 39.1957    | 2.098             |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 5.5439    | 2  | 0.0625     |

**Pb212 By DCODE**



Analysis Display

**Quantiles**

| Level | minimum | 10.0% | 25.0%  | median | 75.0%  | 90.0% | maximum |
|-------|---------|-------|--------|--------|--------|-------|---------|
| B     | 670     | 805   | 997.5  | 1105   | 1220   | 1250  | 1340    |
| M     | 820     | 969   | 1107.5 | 1170   | 1275   | 1346  | 1380    |
| T     | 850     | 996   | 1147.5 | 1195   | 1292.5 | 1353  | 1520    |

**Oneway Anova**

**Means and Std Deviations**

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| B     | 18     | 1073.61 | 165.492 | 39.007       |
| M     | 26     | 1170.38 | 132.981 | 26.080       |
| T     | 26     | 1207.31 | 136.156 | 26.702       |

**Means Comparisons**

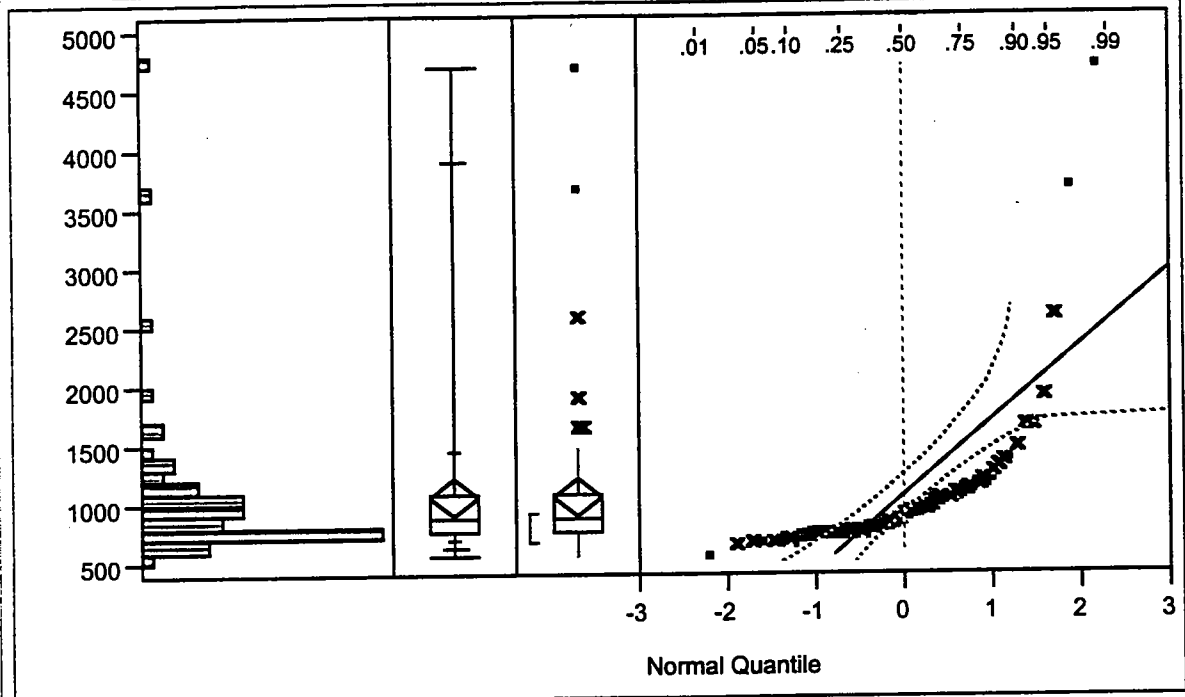
**Wilcoxon / Kruskal-Wallis Tests (Rank Sums)**

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| B     | 18    | 430.5     | 23.9167    | -2.797            |
| M     | 26    | 949       | 36.5000    | 0.310             |
| T     | 26    | 1105.5    | 42.5192    | 2.213             |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 8.9971    | 2  | 0.0111     |





**Quantiles**

|          |        |        |
|----------|--------|--------|
| maximum  | 100.0% | 4700.0 |
|          | 99.5%  | 4700.0 |
|          | 97.5%  | 3894.0 |
|          | 90.0%  | 1452.0 |
| quartile | 75.0%  | 1077.5 |
| median   | 50.0%  | 885.0  |
| quartile | 25.0%  | 757.5  |
|          | 10.0%  | 691.0  |
|          | 2.5%   | 629.8  |
|          | 0.5%   | 560.0  |
| minimum  | 0.0%   | 560.0  |

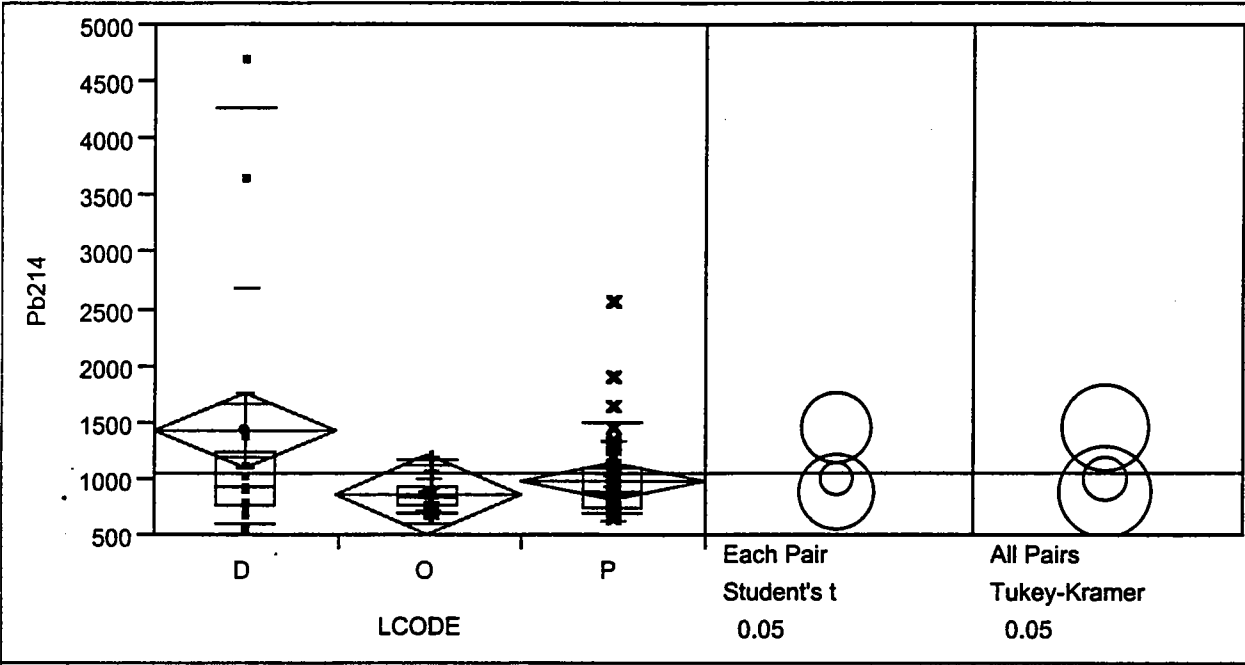
**Moments**

|                |           |
|----------------|-----------|
| Mean           | 1054.357  |
| Std Dev        | 635.230   |
| Std Error Mean | 75.925    |
| Upper 95% Mean | 1205.823  |
| Lower 95% Mean | 902.892   |
| N              | 70.000    |
| Sum Weights    | 70.000    |
| Sum            | 73805.000 |
| Variance       | 403517.33 |
| Skewness       | 4.056     |
| Kurtosis       | 19.126    |
| CV             | 60.248    |

**Test for Normality**

|                     |        |
|---------------------|--------|
| Shapiro-Wilk W Test |        |
| W                   | Prob<W |
| 0.559159            | 0.0000 |

**Pb214 By LCODE**



Analysis  Display

**Quantiles**

| Level | minimum | 10.0% | 25.0% | median | 75.0% | 90.0% | maximum |
|-------|---------|-------|-------|--------|-------|-------|---------|
| D     | 560     | 604   | 780   | 950    | 1255  | 4284  | 4700    |
| O     | 690     | 692   | 770   | 840    | 940   | 1174  | 1200    |
| P     | 650     | 704   | 750   | 880    | 1105  | 1514  | 2575    |

**Oneway Anova**

**Means and Std Deviations**

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| D     | 13     | 1424.62 | 1258.42 | 349.02       |
| O     | 11     | 863.64  | 155.58  | 46.91        |
| P     | 46     | 995.33  | 372.82  | 54.97        |

**Means Comparisons**

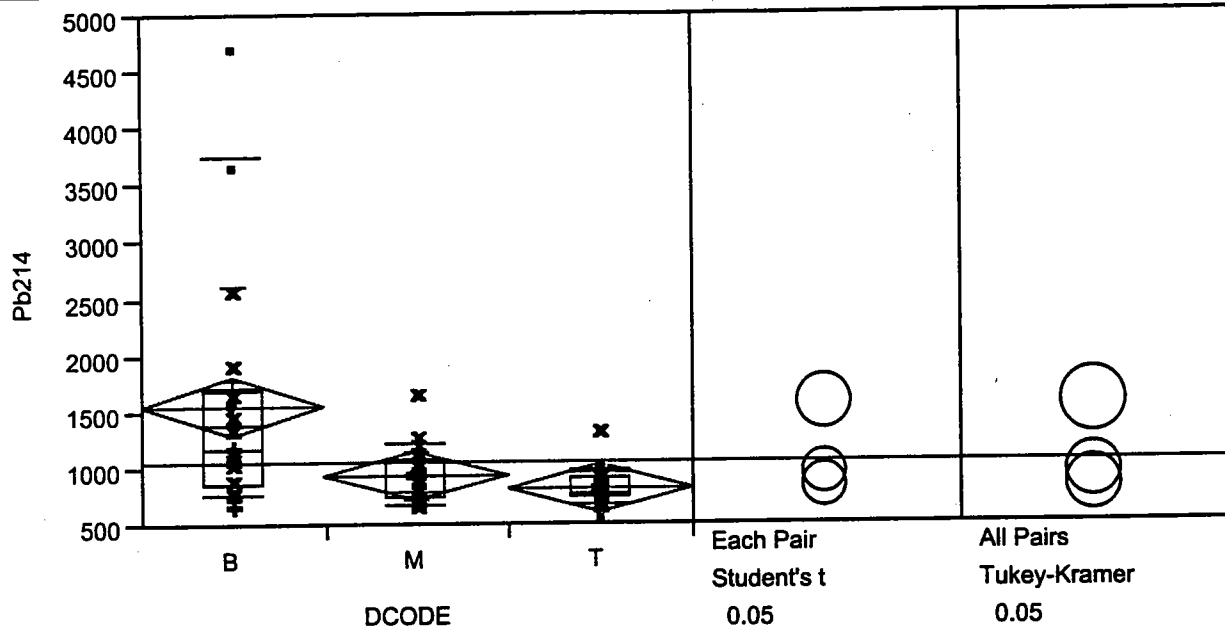
**Wilcoxon / Kruskal-Wallis Tests (Rank Sums)**

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| D     | 13    | 528.5     | 40.6538    | 1.005             |
| O     | 11    | 339       | 30.8182    | -0.823            |
| P     | 46    | 1617.5    | 35.1630    | -0.186            |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 1.4294    | 2  | 0.4893     |

**Pb214 By DCODE**



Analysis Display

**Quantiles**

| Level | minimum | 10.0% | 25.0% | median | 75.0%  | 90.0% | maximum |
|-------|---------|-------|-------|--------|--------|-------|---------|
| B     | 690     | 762   | 870   | 1170   | 1705   | 3764  | 4700    |
| M     | 650     | 670   | 747.5 | 945    | 1077.5 | 1214  | 1640    |
| T     | 560     | 681   | 737.5 | 775    | 910    | 977   | 1310    |

**Oneway Anova**

**Means and Std Deviations**

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| B     | 18     | 1560.28 | 1074.42 | 253.24       |
| M     | 26     | 943.85  | 226.05  | 44.33        |
| T     | 26     | 814.62  | 144.45  | 28.33        |

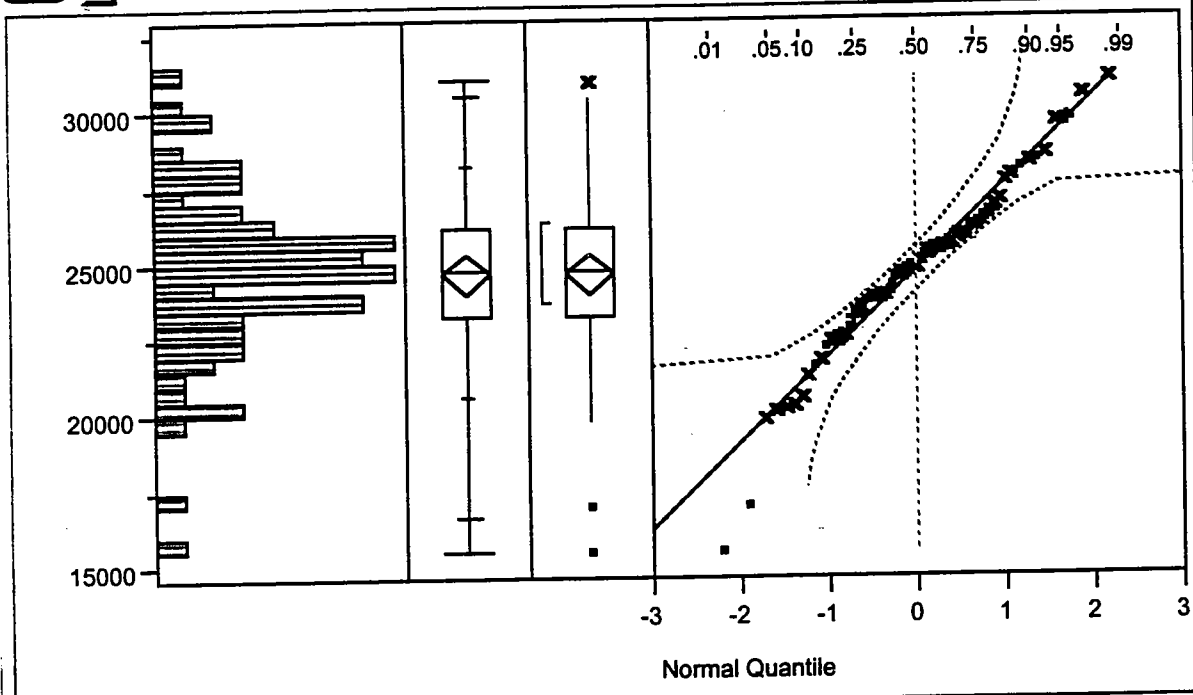
**Means Comparisons**

**Wilcoxon / Kruskal-Wallis Tests (Rank Sums)**

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| B     | 18    | 908.5     | 50.4722    | 3.616             |
| M     | 26    | 927       | 35.6538    | 0.043             |
| T     | 26    | 649.5     | 24.9808    | -3.319            |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 16.7013   | 2  | 0.0002     |



**Quantiles**

|          |        |       |
|----------|--------|-------|
| maximum  | 100.0% | 31000 |
|          | 99.5%  | 31000 |
|          | 97.5%  | 30535 |
|          | 90.0%  | 28180 |
| quartile | 75.0%  | 26200 |
| median   | 50.0%  | 24800 |
| quartile | 25.0%  | 23275 |
|          | 10.0%  | 20570 |
|          | 2.5%   | 16663 |
|          | 0.5%   | 15500 |
| minimum  | 0.0%   | 15500 |

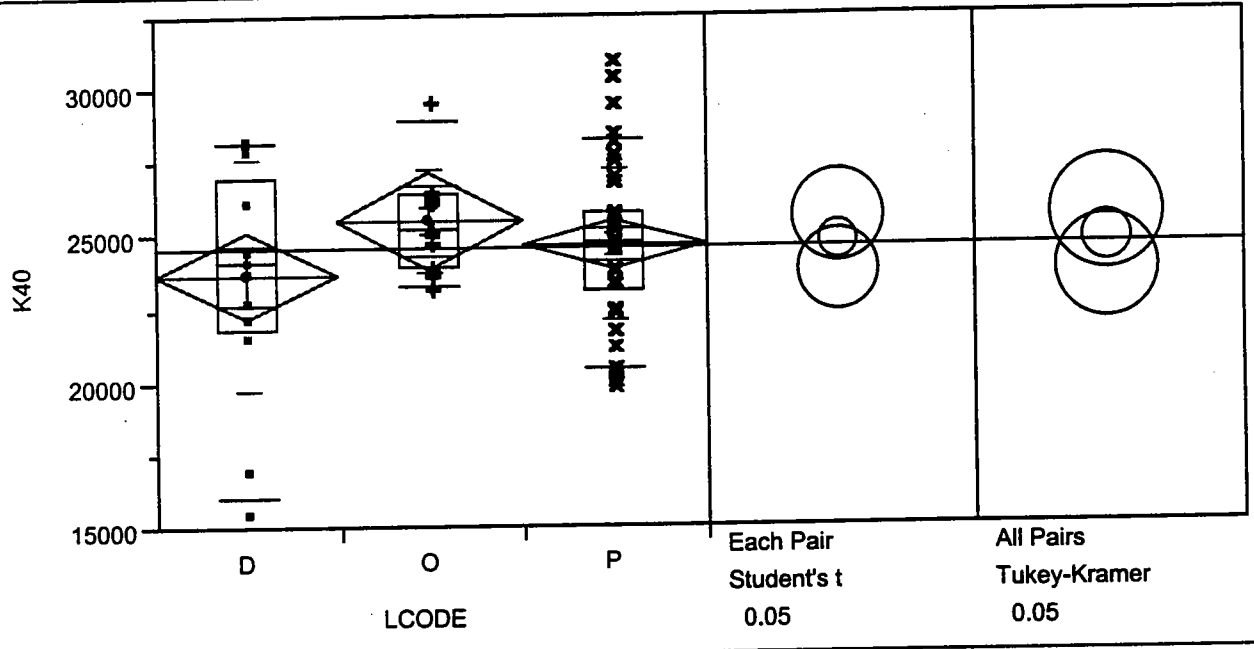
**Moments**

|                |           |
|----------------|-----------|
| Mean           | 24650.00  |
| Std Dev        | 2831.04   |
| Std Error Mean | 338.37    |
| Upper 95% Mean | 25325.04  |
| Lower 95% Mean | 23974.96  |
| N              | 70.00     |
| Sum Weights    | 70.00     |
| Sum            | 1725500   |
| Variance       | 8014782.6 |
| Skewness       | -0.53     |
| Kurtosis       | 1.27      |
| CV             | 11.48     |

**Test for Normality**

|                     |        |
|---------------------|--------|
| Shapiro-Wilk W Test |        |
| W                   | Prob<W |
| 0.972446            | 0.3234 |

**K40 By LCODE**



Analysis  Display

**Quantiles**

| Level | minimum | 10.0% | 25.0%   | median | 75.0% | 90.0% | maximum |
|-------|---------|-------|---------|--------|-------|-------|---------|
| D     | 15500   | 16100 | 21900   | 24200  | 27050 | 28180 | 28300   |
| O     | 23200   | 23300 | 24000   | 25300  | 26500 | 29000 | 29600   |
| P     | 19800   | 20440 | 23112.5 | 24800  | 25800 | 28290 | 31000   |

**Oneway Anova**

**Means and Std Deviations**

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| D     | 13     | 23707.7 | 3982.14 | 1104.4       |
| O     | 11     | 25581.8 | 1780.91 | 537.0        |
| P     | 46     | 24693.5 | 2623.96 | 386.9        |

**Means Comparisons**

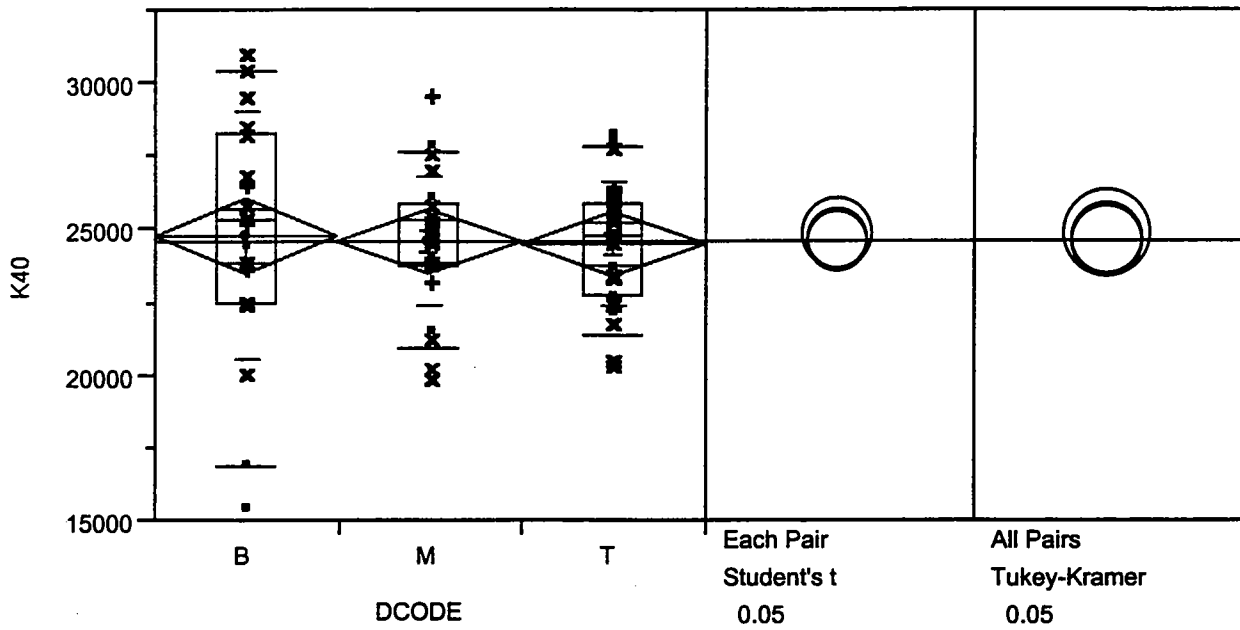
**Wilcoxon / Kruskal-Wallis Tests (Rank Sums)**

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| D     | 13    | 415.5     | 31.9615    | -0.687            |
| O     | 11    | 466       | 42.3636    | 1.211             |
| P     | 46    | 1603.5    | 34.8587    | -0.359            |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 1.6910    | 2  | 0.4293     |

K40 By DCODE



Analysis  Display

Quantiles

| Level | minimum | 10.0% | 25.0%   | median | 75.0% | 90.0% | maximum |
|-------|---------|-------|---------|--------|-------|-------|---------|
| B     | 15500   | 16850 | 22475   | 25350  | 28275 | 30460 | 31000   |
| M     | 19800   | 20900 | 23800   | 24650  | 25900 | 27690 | 29600   |
| T     | 20300   | 21410 | 22737.5 | 24800  | 25900 | 27860 | 28300   |

Oneway Anova

Means and Std Deviations

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| B     | 18     | 24836.1 | 4263.52 | 1004.9       |
| M     | 26     | 24615.4 | 2259.15 | 443.1        |
| T     | 26     | 24555.8 | 2149.62 | 421.6        |

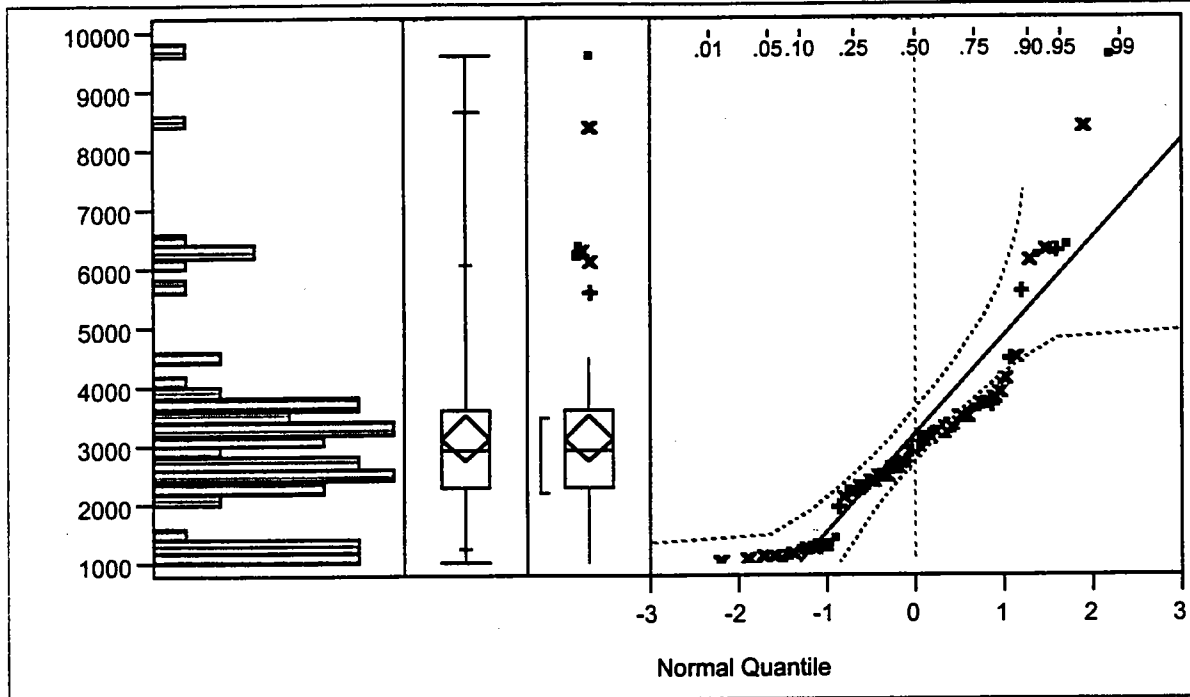
Means Comparisons

Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| B     | 18    | 692.5     | 38.4722    | 0.712             |
| M     | 26    | 895       | 34.4231    | -0.334            |
| T     | 26    | 897.5     | 34.5192    | -0.304            |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 0.5175    | 2  | 0.7720     |



**Quantiles**

|          |        |        |
|----------|--------|--------|
| maximum  | 100.0% | 9600.0 |
|          | 99.5%  | 9600.0 |
|          | 97.5%  | 8670.0 |
|          | 90.0%  | 6050.0 |
| quartile | 75.0%  | 3600.0 |
| median   | 50.0%  | 2950.0 |
| quartile | 25.0%  | 2275.0 |
|          | 10.0%  | 1250.0 |
|          | 2.5%   | 1038.8 |
|          | 0.5%   | 1000.0 |
| minimum  | 0.0%   | 1000.0 |

**Moments**

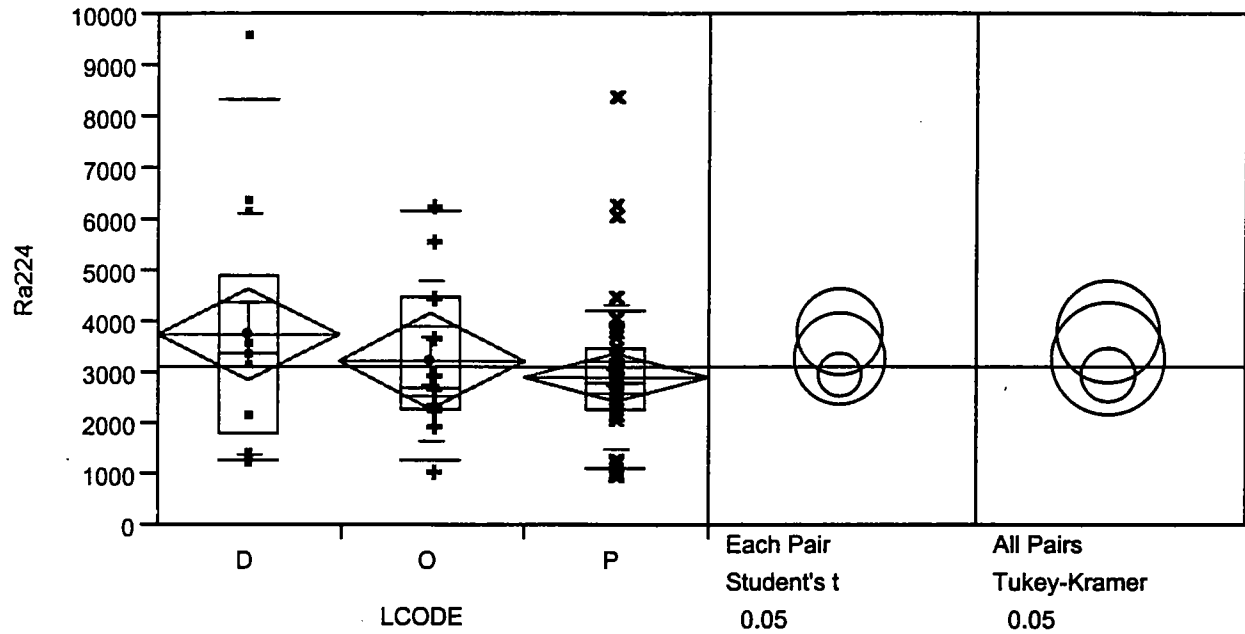
|                |           |
|----------------|-----------|
| Mean           | 3135.714  |
| Std Dev        | 1668.336  |
| Std Error Mean | 199.404   |
| Upper 95% Mean | 3533.516  |
| Lower 95% Mean | 2737.913  |
| N              | 70.000    |
| Sum Weights    | 70.000    |
| Sum            | 219500    |
| Variance       | 2783343.7 |
| Skewness       | 1.567     |
| Kurtosis       | 3.462     |
| CV             | 53.204    |

**Test for Normality**

Shapiro-Wilk W Test

|          |        |
|----------|--------|
| W        | Prob<W |
| 0.861757 | <.0001 |

**Ra224 By LCODE**



Analysis  Display

**Quantiles**

| Level | minimum | 10.0% | 25.0% | median | 75.0% | 90.0% | maximum |
|-------|---------|-------|-------|--------|-------|-------|---------|
| D     | 1250    | 1290  | 1825  | 3400   | 4900  | 8320  | 9600    |
| O     | 1100    | 1280  | 2300  | 2700   | 4500  | 6160  | 6300    |
| P     | 1000    | 1135  | 2275  | 2800   | 3500  | 4220  | 8400    |

**Oneway Anova**

**Means and Std Deviations**

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| D     | 13     | 3773.08 | 2375.89 | 658.95       |
| O     | 11     | 3263.64 | 1602.04 | 483.03       |
| P     | 46     | 2925.00 | 1423.17 | 209.84       |

**Means Comparisons**

**Wilcoxon / Kruskal-Wallis Tests (Rank Sums)**

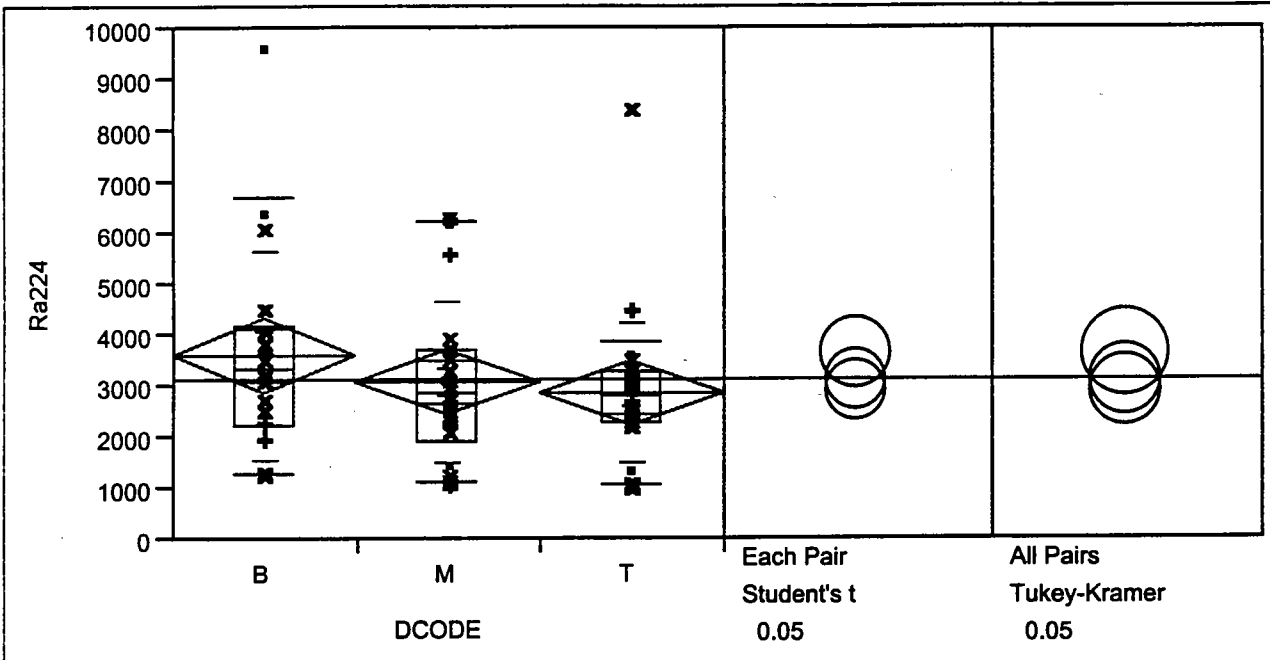
| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| D     | 13    | 544.5     | 41.8846    | 1.247             |
| O     | 11    | 393.5     | 35.7727    | 0.040             |
| P     | 46    | 1547      | 33.6304    | -1.059            |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 1.6716    | 2  | 0.4335     |



**Ra224 By DCODE**



Analysis  Display

**Quantiles**

| Level | minimum | 10.0% | 25.0%  | median | 75.0%  | 90.0% | maximum |
|-------|---------|-------|--------|--------|--------|-------|---------|
| B     | 1250    | 1295  | 2225   | 3350   | 4200   | 6720  | 9600    |
| M     | 1100    | 1135  | 1937.5 | 2850   | 3700   | 6230  | 6300    |
| T     | 1000    | 1085  | 2275   | 2800   | 3312.5 | 3870  | 8400    |

**Oneway Anova**

**Means and Std Deviations**

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| B     | 18     | 3608.33 | 2086.25 | 491.73       |
| M     | 26     | 3069.23 | 1584.62 | 310.77       |
| T     | 26     | 2875.00 | 1405.44 | 275.63       |

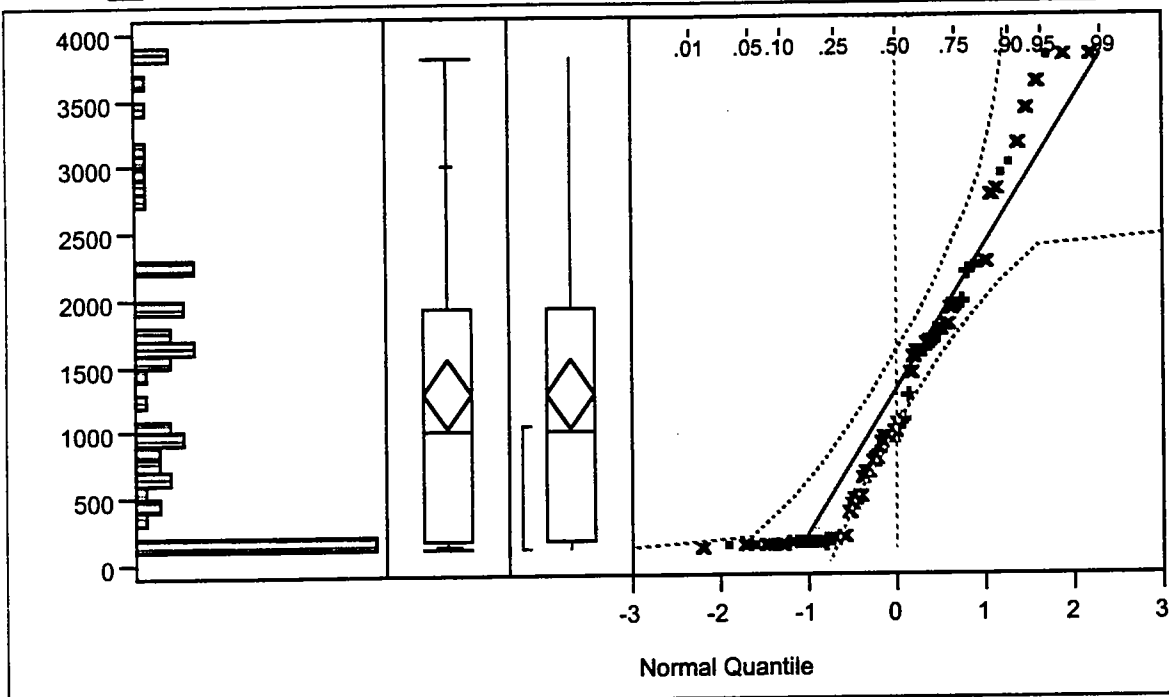
**Means Comparisons**

**Wilcoxon / Kruskal-Wallis Tests (Rank Sums)**

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| B     | 18    | 741.5     | 41.1944    | 1.371             |
| M     | 26    | 909.5     | 34.9808    | -0.158            |
| T     | 26    | 834       | 32.0769    | -1.076            |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 2.1643    | 2  | 0.3389     |



**Quantiles**

|          |        |        |
|----------|--------|--------|
| maximum  | 100.0% | 3810.0 |
|          | 99.5%  | 3810.0 |
|          | 97.5%  | 3802.3 |
|          | 90.0%  | 2992.0 |
| quartile | 75.0%  | 1922.5 |
| median   | 50.0%  | 1005.0 |
| quartile | 25.0%  | 176.3  |
|          | 10.0%  | 140.5  |
|          | 2.5%   | 122.8  |
|          | 0.5%   | 115.0  |
| minimum  | 0.0%   | 115.0  |

**Moments**

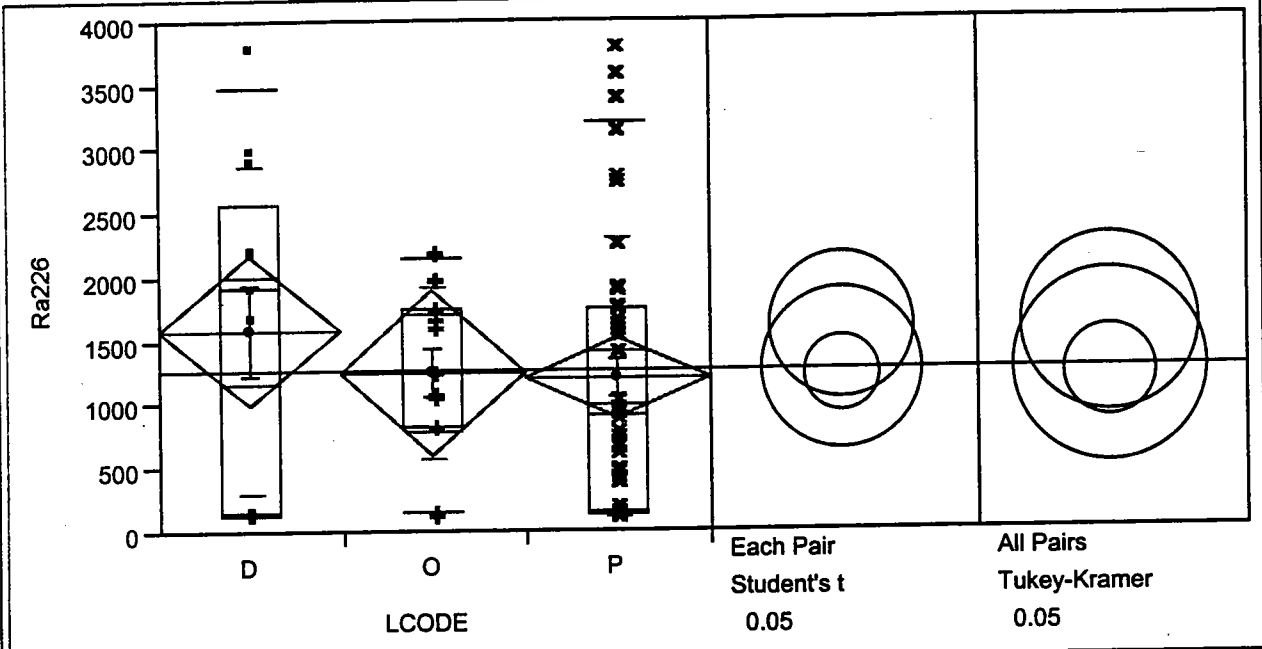
|                |           |
|----------------|-----------|
| Mean           | 1284.393  |
| Std Dev        | 1085.339  |
| Std Error Mean | 129.723   |
| Upper 95% Mean | 1543.183  |
| Lower 95% Mean | 1025.602  |
| N              | 70.000    |
| Sum Weights    | 70.000    |
| Sum            | 89907.500 |
| Variance       | 1177961.3 |
| Skewness       | 0.765     |
| Kurtosis       | -0.312    |
| CV             | 84.502    |

**Test for Normality**

Shapiro-Wilk W Test

|          |        |
|----------|--------|
| W        | Prob<W |
| 0.875048 | <.0001 |

**Ra226 By LCODE**



Analysis  Display

**Quantiles**

| Level | minimum | 10.0% | 25.0% | median | 75.0%  | 90.0%  | maximum |
|-------|---------|-------|-------|--------|--------|--------|---------|
| D     | 125     | 129   | 165   | 1930   | 2575   | 3480   | 3800    |
| O     | 145     | 148   | 840   | 1260   | 1760   | 2156   | 2200    |
| P     | 115     | 140   | 165   | 910    | 1757.5 | 3221.5 | 3810    |

**Oneway Anova**

**Means and Std Deviations**

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| D     | 13     | 1598.85 | 1299.62 | 360.45       |
| O     | 11     | 1252.27 | 681.21  | 205.39       |
| P     | 46     | 1203.21 | 1103.23 | 162.66       |

**Means Comparisons**

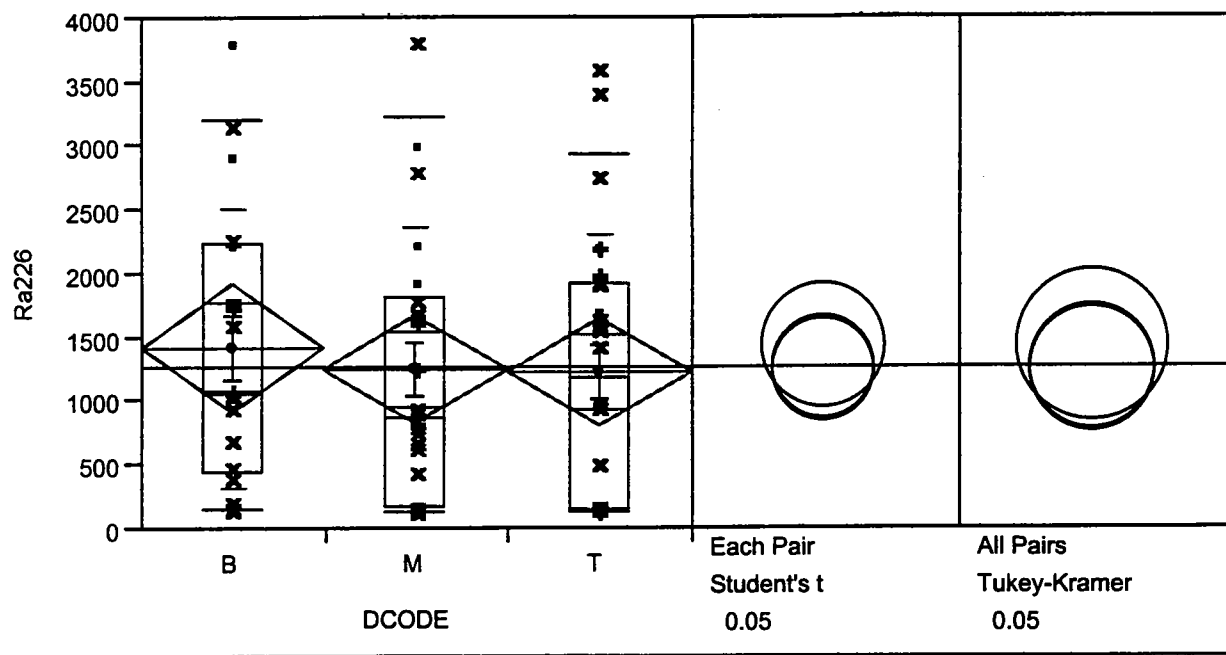
**Wilcoxon / Kruskal-Wallis Tests (Rank Sums)**

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| D     | 13    | 524       | 40.3077    | 0.937             |
| O     | 11    | 417       | 37.9091    | 0.420             |
| P     | 46    | 1544      | 33.5652    | -1.095            |

**1-way Test, Chi-Square Approximation**

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 1.2959    | 2  | 0.5231     |

**Ra226 By DCODE**



Analysis Display

**Quantiles**

| Level | minimum | 10.0% | 25.0%   | median | 75.0%  | 90.0%  | maximum |
|-------|---------|-------|---------|--------|--------|--------|---------|
| B     | 130     | 161.5 | 447.5   | 1075   | 2237.5 | 3210.5 | 3800    |
| M     | 115     | 135.5 | 176.25  | 865    | 1817.5 | 3240   | 3810    |
| T     | 135     | 140   | 151.875 | 1195   | 1935   | 2945   | 3600    |

**Oneway Anova**

**Means and Std Deviations**

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| B     | 18     | 1421.39 | 1095.34 | 258.18       |
| M     | 26     | 1251.73 | 1121.30 | 219.91       |
| T     | 26     | 1222.21 | 1076.73 | 211.16       |

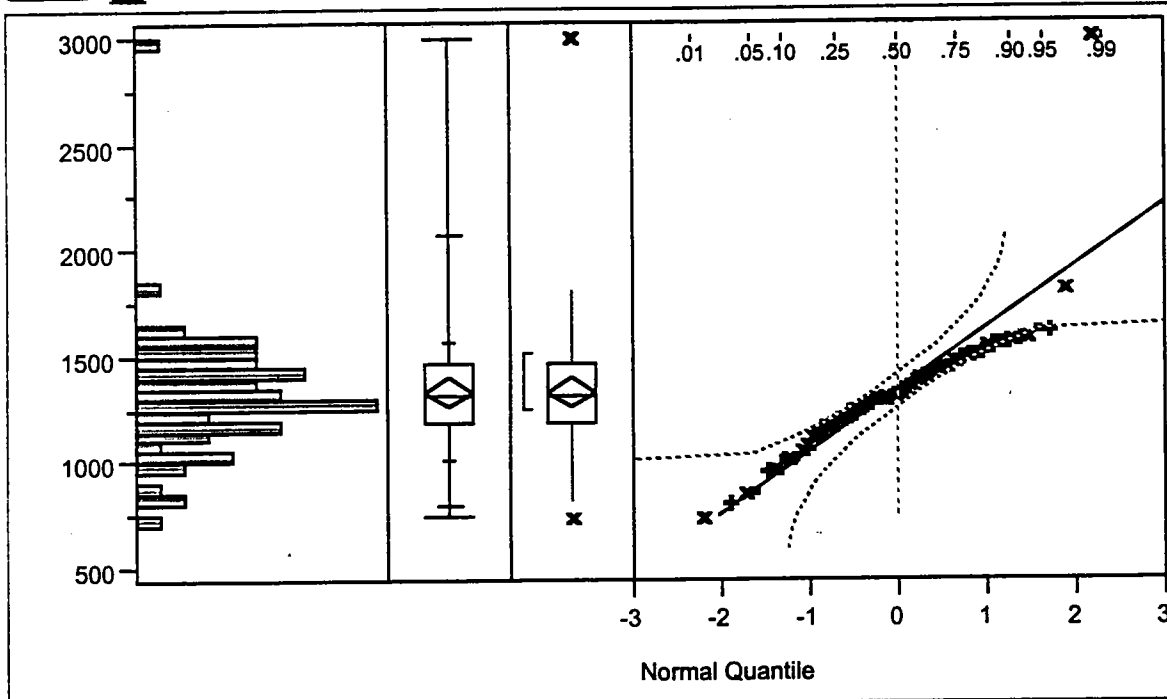
**Means Comparisons**

**Wilcoxon / Kruskal-Wallis Tests (Rank Sums)**

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| B     | 18    | 709.5     | 39.4167    | 0.941             |
| M     | 26    | 899       | 34.5769    | -0.286            |
| T     | 26    | 876.5     | 33.7115    | -0.559            |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 0.9213    | 2  | 0.6309     |



**Quantiles**

|          |        |        |
|----------|--------|--------|
| maximum  | 100.0% | 2998.0 |
|          | 99.5%  | 2998.0 |
|          | 97.5%  | 2070.3 |
|          | 90.0%  | 1571.1 |
| quartile | 75.0%  | 1470.3 |
| median   | 50.0%  | 1308.5 |
| quartile | 25.0%  | 1186.0 |
|          | 10.0%  | 1012.0 |
|          | 2.5%   | 798.9  |
|          | 0.5%   | 740.0  |
| minimum  | 0.0%   | 740.0  |

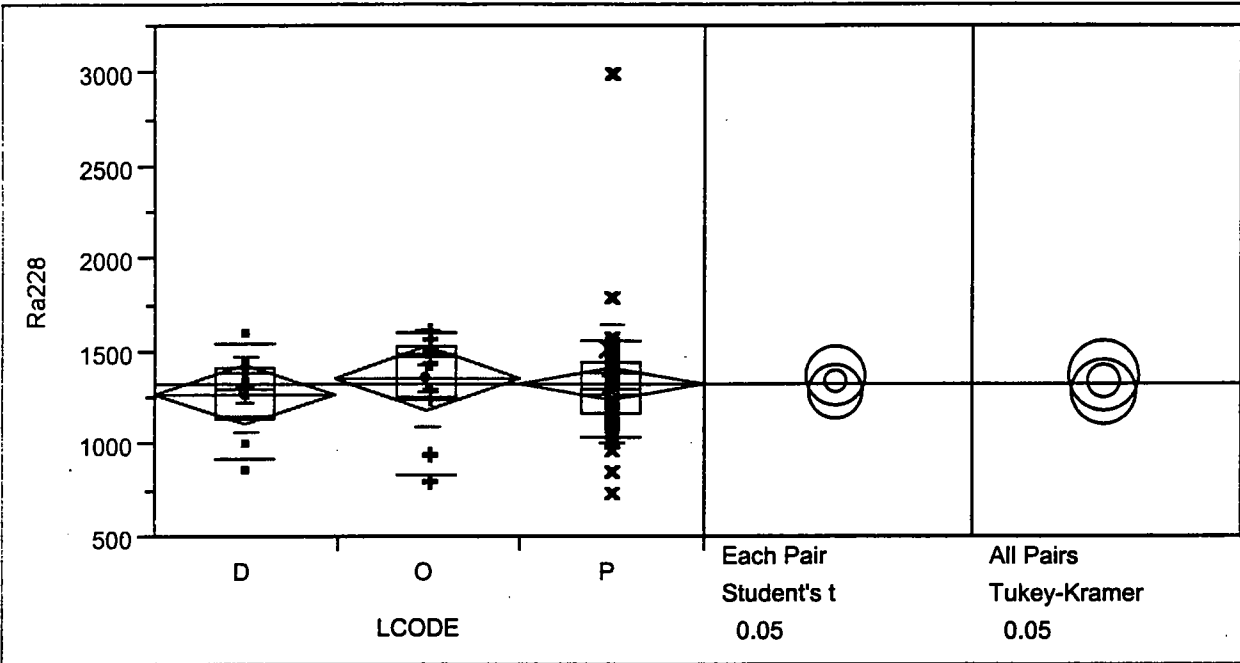
**Moments**

|                |           |
|----------------|-----------|
| Mean           | 1327.786  |
| Std Dev        | 292.721   |
| Std Error Mean | 34.987    |
| Upper 95% Mean | 1397.583  |
| Lower 95% Mean | 1257.989  |
| N              | 70.000    |
| Sum Weights    | 70.000    |
| Sum            | 92945.000 |
| Variance       | 85685.707 |
| Skewness       | 2.449     |
| Kurtosis       | 14.617    |
| CV             | 22.046    |

**Test for Normality**

|                     |        |
|---------------------|--------|
| Shapiro-Wilk W Test |        |
| W                   | Prob<W |
| 0.828988            | <.0001 |

**Ra228 By LCODE**



Analysis Display

**Quantiles**

| Level | minimum | 10.0%  | 25.0%   | median | 75.0%  | 90.0%  | maximum |
|-------|---------|--------|---------|--------|--------|--------|---------|
| D     | 866     | 924.4  | 1148    | 1308   | 1412.5 | 1545   | 1613    |
| O     | 816     | 843.8  | 1258    | 1486   | 1540   | 1614.4 | 1624    |
| P     | 740     | 1036.5 | 1174.75 | 1302   | 1447   | 1559.7 | 2998    |

**Oneway Anova**

**Means and Std Deviations**

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| D     | 13     | 1280.77 | 203.459 | 56.429       |
| O     | 11     | 1364.00 | 262.066 | 79.016       |
| P     | 46     | 1332.41 | 322.650 | 47.572       |

**Means Comparisons**

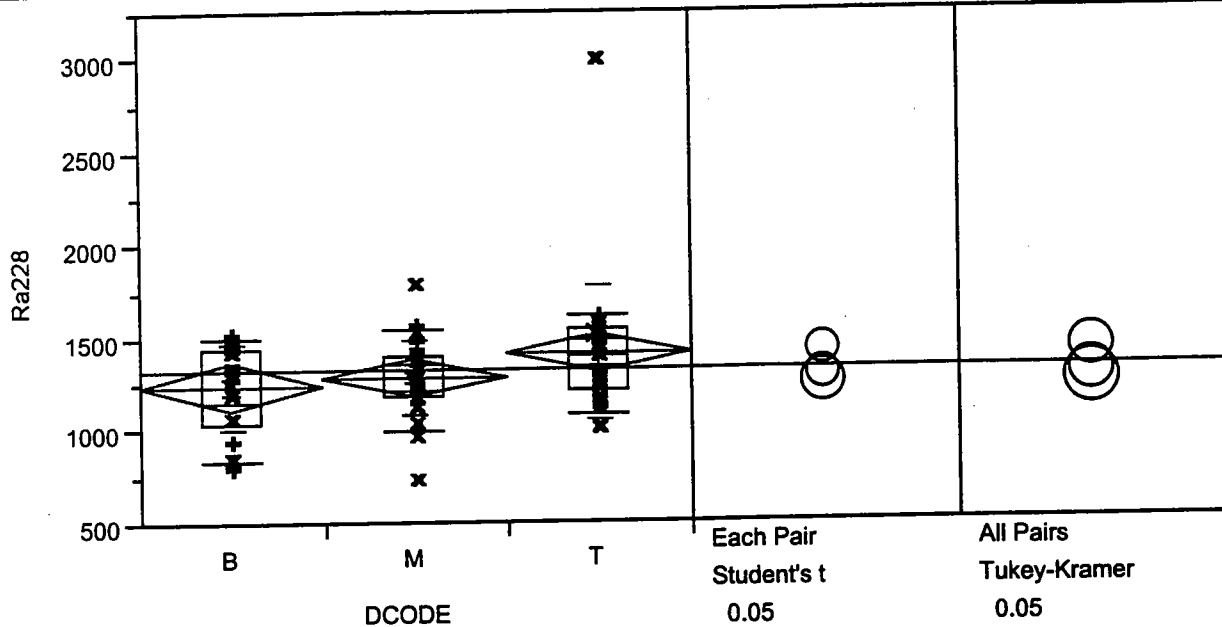
**Wilcoxon / Kruskal-Wallis Tests (Rank Sums)**

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| D     | 13    | 433       | 33.3077    | -0.423            |
| O     | 11    | 479.5     | 43.5909    | 1.428             |
| P     | 46    | 1572.5    | 34.1848    | -0.742            |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 2.0817    | 2  | 0.3531     |

Ra228 By DCODE



Analysis  Display

Quantiles

| Level | minimum | 10.0%  | 25.0%   | median | 75.0%   | 90.0%  | maximum |
|-------|---------|--------|---------|--------|---------|--------|---------|
| B     | 816     | 844.8  | 1047.25 | 1333   | 1441.5  | 1504   | 1540    |
| M     | 740     | 1001.1 | 1186    | 1295.5 | 1400.75 | 1549.4 | 1801    |
| T     | 1012    | 1080.6 | 1219.75 | 1406   | 1553.25 | 1616.3 | 2998    |

Oneway Anova

Means and Std Deviations

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| B     | 18     | 1247.78 | 237.625 | 56.009       |
| M     | 26     | 1288.77 | 211.884 | 41.554       |
| T     | 26     | 1422.19 | 371.133 | 72.785       |

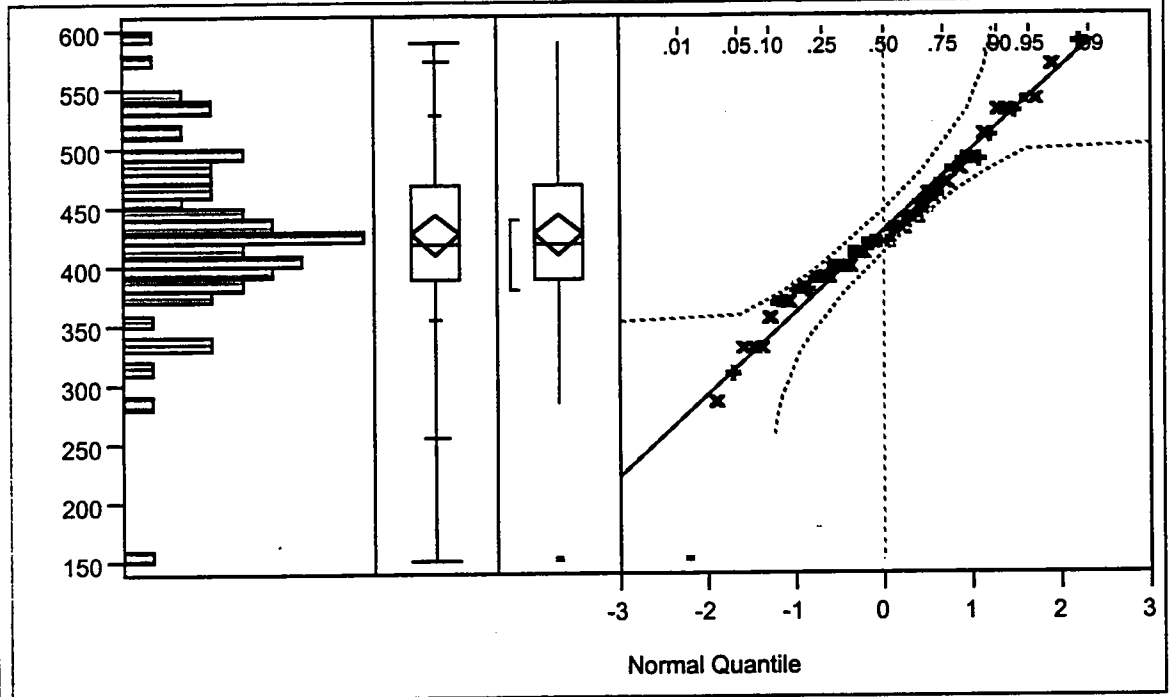
Means Comparisons

Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| B     | 18    | 575       | 31.9444    | -0.853            |
| M     | 26    | 846.5     | 32.5577    | -0.924            |
| T     | 26    | 1063.5    | 40.9038    | 1.702             |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 2.9262    | 2  | 0.2315     |



**Quantiles**

|          |        |        |
|----------|--------|--------|
| maximum  | 100.0% | 590.00 |
|          | 99.5%  | 590.00 |
|          | 97.5%  | 574.50 |
|          | 90.0%  | 528.00 |
| quartile | 75.0%  | 470.00 |
| median   | 50.0%  | 420.00 |
| quartile | 25.0%  | 390.00 |
|          | 10.0%  | 356.50 |
|          | 2.5%   | 254.63 |
|          | 0.5%   | 150.00 |
| minimum  | 0.0%   | 150.00 |

**Moments**

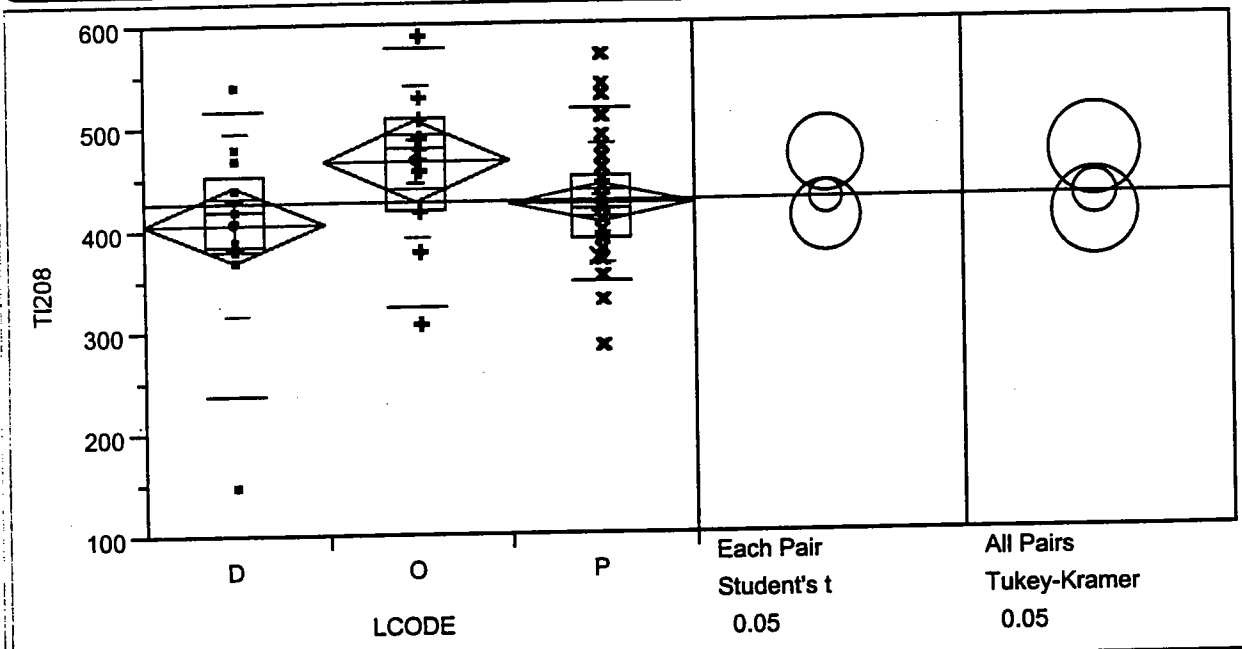
|                |           |
|----------------|-----------|
| Mean           | 427.4286  |
| Std Dev        | 68.9872   |
| Std Error Mean | 8.2455    |
| Upper 95% Mean | 443.8780  |
| Lower 95% Mean | 410.9791  |
| N              | 70.0000   |
| Sum Weights    | 70.0000   |
| Sum            | 29920     |
| Variance       | 4759.2340 |
| Skewness       | -0.6465   |
| Kurtosis       | 3.0393    |
| CV             | 16.1401   |

**Test for Normality**

|                     |        |
|---------------------|--------|
| Shapiro-Wilk W Test |        |
| W                   | Prob<W |
| 0.959870            | 0.0699 |



T1208 By LCODE



Analysis  Display

| Quantiles |         |       |       |        |       |       |         |
|-----------|---------|-------|-------|--------|-------|-------|---------|
| Level     | minimum | 10.0% | 25.0% | median | 75.0% | 90.0% | maximum |
| D         | 150     | 238   | 385   | 420    | 455   | 516   | 540     |
| O         | 310     | 324   | 420   | 480    | 510   | 578   | 590     |
| P         | 285     | 347.5 | 390   | 420    | 452.5 | 516   | 570     |

Oneway Anova

| Means and Std Deviations |        |         |         |              |
|--------------------------|--------|---------|---------|--------------|
| Level                    | Number | Mean    | Std Dev | Std Err Mean |
| D                        | 13     | 406.923 | 90.2205 | 25.023       |
| O                        | 11     | 466.364 | 75.2692 | 22.695       |
| P                        | 46     | 423.913 | 57.9934 | 8.551        |

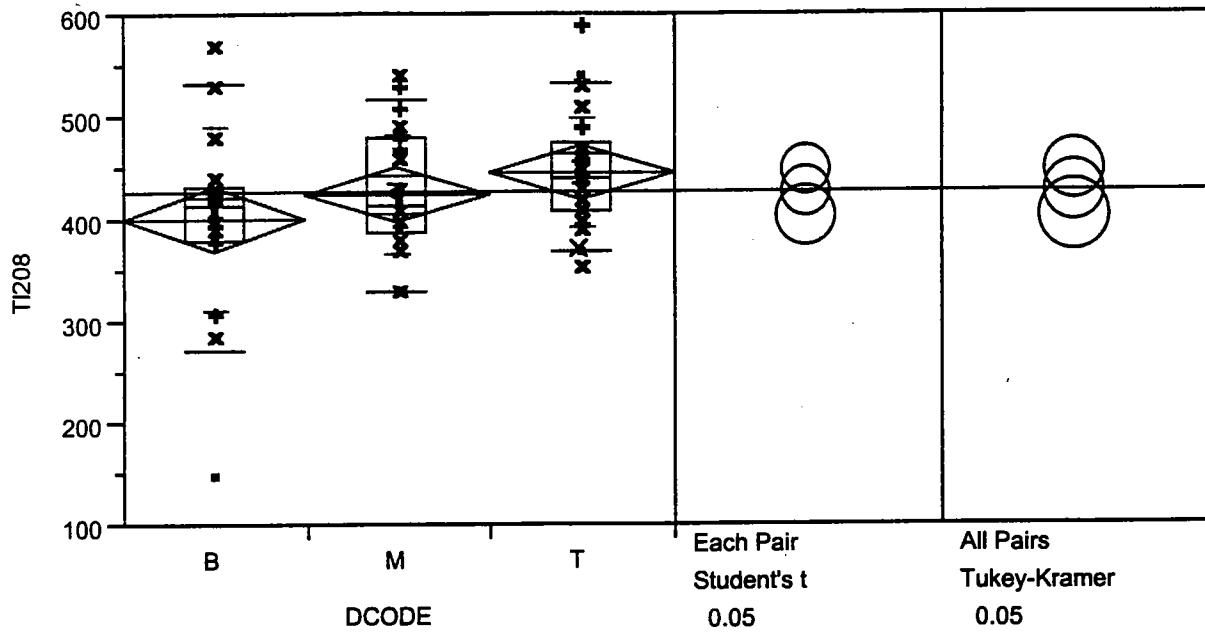
Means Comparisons

| Wilcoxon / Kruskal-Wallis Tests (Rank Sums) |       |           |            |                   |
|---------------------------------------------|-------|-----------|------------|-------------------|
| Level                                       | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
| D                                           | 13    | 412       | 31.6923    | -0.741            |
| O                                           | 11    | 524.5     | 47.6818    | 2.159             |
| P                                           | 46    | 1548.5    | 33.6630    | -1.041            |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 4.7901    | 2  | 0.0912     |

**TI208 By DCODE**



Analysis  Display

**Quantiles**

| Level | minimum | 10.0% | 25.0% | median | 75.0% | 90.0% | maximum |
|-------|---------|-------|-------|--------|-------|-------|---------|
| B     | 150     | 271.5 | 380   | 415    | 432.5 | 534   | 570     |
| M     | 330     | 330   | 387.5 | 415    | 480   | 516   | 540     |
| T     | 355     | 370   | 410   | 440    | 475   | 533   | 590     |

**Oneway Anova**

**Means and Std Deviations**

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| B     | 18     | 401.389 | 91.1335 | 21.480       |
| M     | 26     | 425.769 | 59.5431 | 11.677       |
| T     | 26     | 447.115 | 55.2118 | 10.828       |

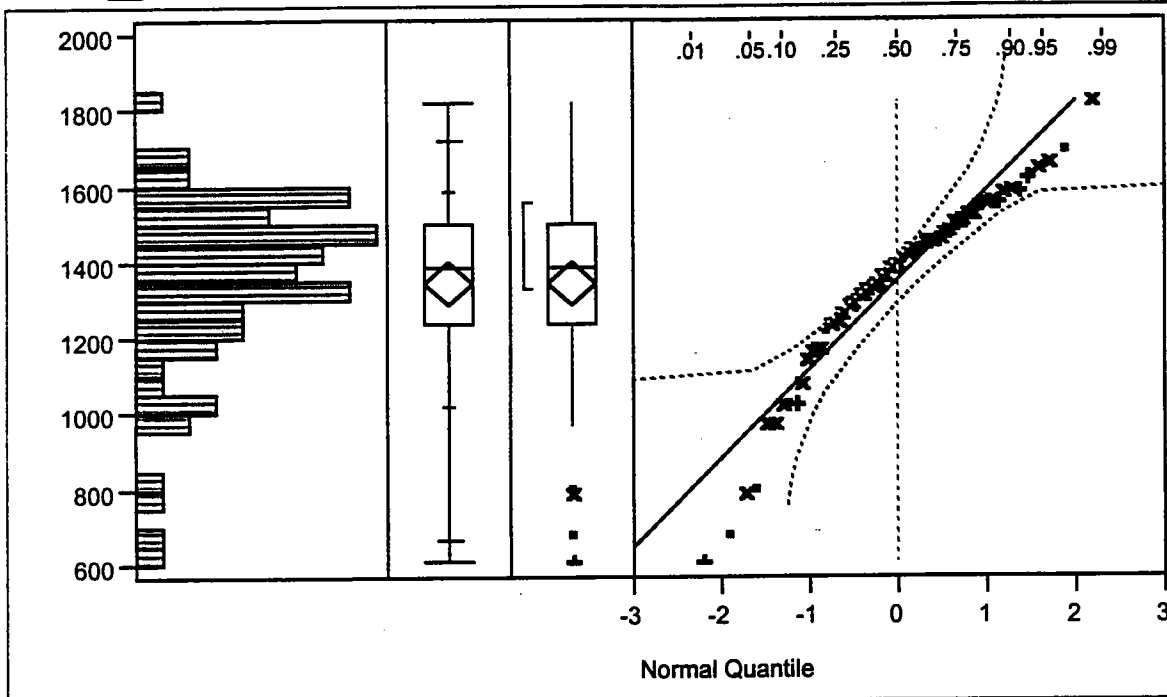
**Means Comparisons**

**Wilcoxon / Kruskal-Wallis Tests (Rank Sums)**

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| B     | 18    | 523.5     | 29.0833    | -1.548            |
| M     | 26    | 883       | 33.9615    | -0.481            |
| T     | 26    | 1078.5    | 41.4808    | 1.888             |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 4.2001    | 2  | 0.1224     |



**Quantiles**

|          |        |        |
|----------|--------|--------|
| maximum  | 100.0% | 1820.0 |
|          | 99.5%  | 1820.0 |
|          | 97.5%  | 1719.2 |
|          | 90.0%  | 1589.0 |
| quartile | 75.0%  | 1500.0 |
| median   | 50.0%  | 1390.0 |
| quartile | 25.0%  | 1240.0 |
|          | 10.0%  | 1021.0 |
|          | 2.5%   | 664.3  |
|          | 0.5%   | 610.0  |
| minimum  | 0.0%   | 610.0  |

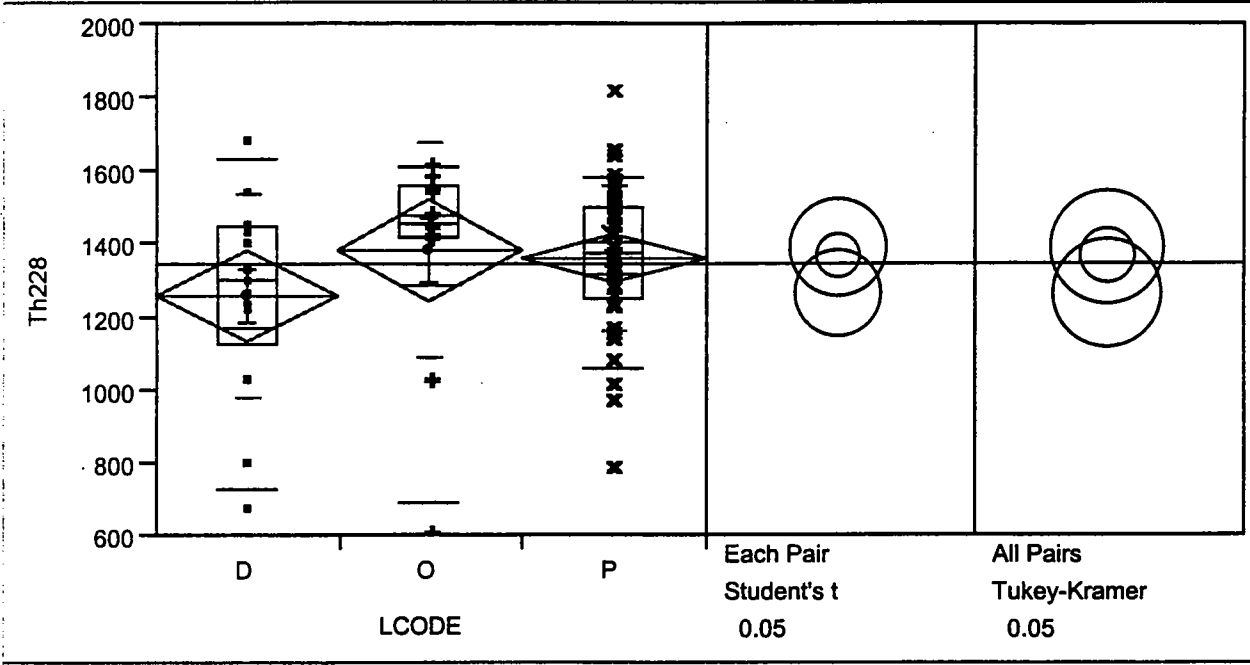
**Moments**

|                |           |
|----------------|-----------|
| Mean           | 1345.143  |
| Std Dev        | 233.942   |
| Std Error Mean | 27.961    |
| Upper 95% Mean | 1400.925  |
| Lower 95% Mean | 1289.361  |
| N              | 70.000    |
| Sum Weights    | 70.000    |
| Sum            | 94160.000 |
| Variance       | 54728.965 |
| Skewness       | -1.075    |
| Kurtosis       | 1.437     |
| CV             | 17.392    |

**Test for Normality**

|                     |        |
|---------------------|--------|
| Shapiro-Wilk W Test |        |
| W                   | Prob<W |
| 0.927903            | 0.0005 |

Th228 By LCODE



Analysis  Display

**Quantiles**

| Level | minimum | 10.0% | 25.0% | median | 75.0% | 90.0% | maximum |
|-------|---------|-------|-------|--------|-------|-------|---------|
| D     | 680     | 728   | 1125  | 1300   | 1450  | 1634  | 1690    |
| O     | 610     | 694   | 1420  | 1460   | 1560  | 1614  | 1620    |
| P     | 790     | 1062  | 1255  | 1380   | 1500  | 1583  | 1820    |

**Oneway Anova**

**Means and Std Deviations**

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| D     | 13     | 1263.08 | 284.792 | 78.987       |
| O     | 11     | 1382.73 | 300.968 | 90.745       |
| P     | 46     | 1359.35 | 199.155 | 29.364       |

**Means Comparisons**

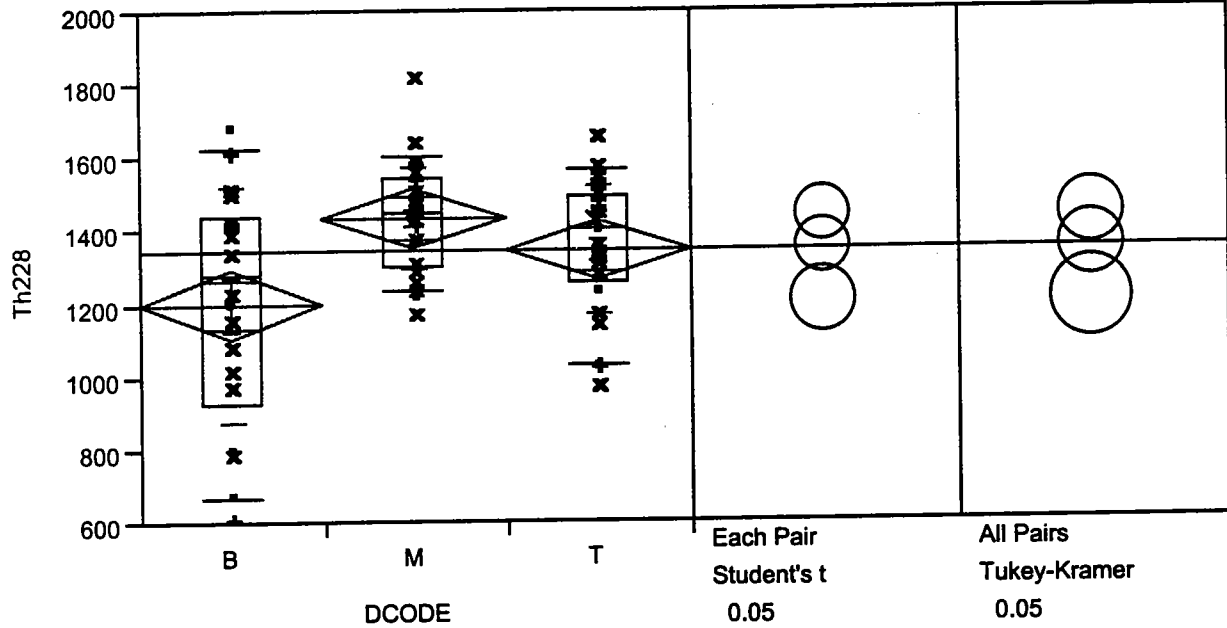
**Wilcoxon / Kruskal-Wallis Tests (Rank Sums)**

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| D     | 13    | 373.5     | 28.7308    | -1.322            |
| O     | 11    | 485       | 44.0909    | 1.517             |
| P     | 46    | 1626.5    | 35.3587    | -0.074            |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 3.4025    | 2  | 0.1825     |

Th228 By DCODE



Analysis  Display

Quantiles

| Level | minimum | 10.0% | 25.0%  | median | 75.0%  | 90.0% | maximum |
|-------|---------|-------|--------|--------|--------|-------|---------|
| B     | 610     | 673   | 927.5  | 1285   | 1447.5 | 1627  | 1690    |
| M     | 1170    | 1234  | 1307.5 | 1450   | 1550   | 1605  | 1820    |
| T     | 970     | 1030  | 1262.5 | 1350   | 1492.5 | 1566  | 1660    |

Oneway Anova

Means and Std Deviations

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| B     | 18     | 1202.78 | 330.344 | 77.863       |
| M     | 26     | 1439.23 | 146.531 | 28.737       |
| T     | 26     | 1349.62 | 177.634 | 34.837       |

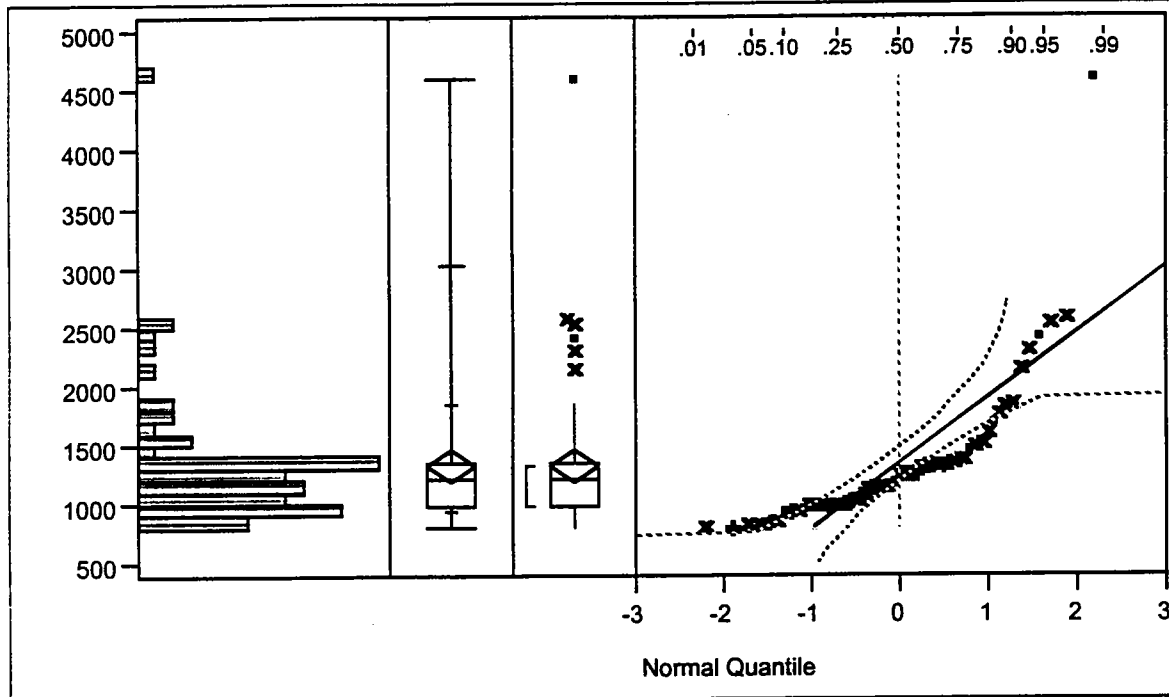
Means Comparisons

Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| B     | 18    | 487.5     | 27.0833    | -2.030            |
| M     | 26    | 1111.5    | 42.7500    | 2.286             |
| T     | 26    | 886       | 34.0769    | -0.444            |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 6.5090    | 2  | 0.0386     |



**Quantiles**

|          |        |        |
|----------|--------|--------|
| maximum  | 100.0% | 4600.0 |
|          | 99.5%  | 4600.0 |
|          | 97.5%  | 3042.2 |
|          | 90.0%  | 1847.0 |
| quartile | 75.0%  | 1362.5 |
| median   | 50.0%  | 1225.0 |
| quartile | 25.0%  | 997.5  |
|          | 10.0%  | 940.0  |
|          | 2.5%   | 800.0  |
|          | 0.5%   | 800.0  |
| minimum  | 0.0%   | 800.0  |

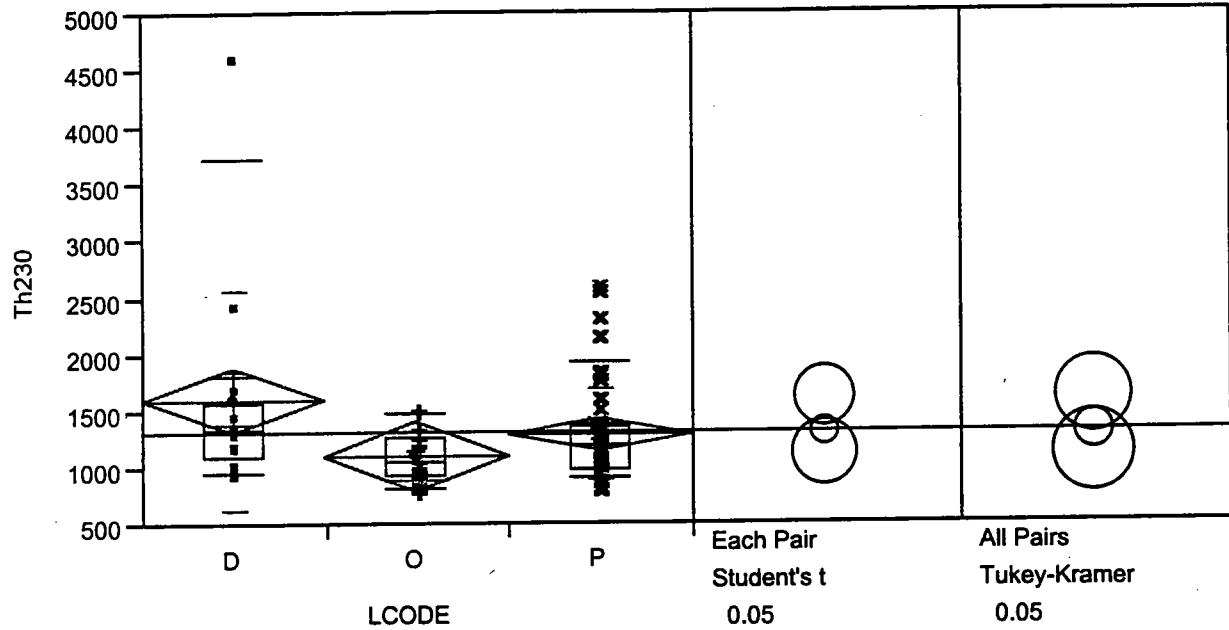
**Moments**

|                |           |
|----------------|-----------|
| Mean           | 1329.429  |
| Std Dev        | 558.958   |
| Std Error Mean | 66.808    |
| Upper 95% Mean | 1462.708  |
| Lower 95% Mean | 1196.150  |
| N              | 70.000    |
| Sum Weights    | 70.000    |
| Sum            | 93060.000 |
| Variance       | 312433.73 |
| Skewness       | 3.455     |
| Kurtosis       | 16.737    |
| CV             | 42.045    |

**Test for Normality**

|                     |        |
|---------------------|--------|
| Shapiro-Wilk W Test |        |
| W                   | Prob<W |
| 0.693133            | 0.0000 |

Th230 By LCODE



Analysis  Display

Quantiles

| Level | minimum | 10.0% | 25.0% | median | 75.0%  | 90.0% | maximum |
|-------|---------|-------|-------|--------|--------|-------|---------|
| D     | 940     | 952   | 1100  | 1330   | 1585   | 3728  | 4600    |
| O     | 800     | 812   | 940   | 1050   | 1260   | 1474  | 1510    |
| P     | 800     | 923   | 997.5 | 1195   | 1372.5 | 1937  | 2590    |

Oneway Anova

Means and Std Deviations

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| D     | 13     | 1601.54 | 978.893 | 271.50       |
| O     | 11     | 1112.73 | 218.224 | 65.80        |
| P     | 46     | 1304.35 | 423.606 | 62.46        |

Means Comparisons

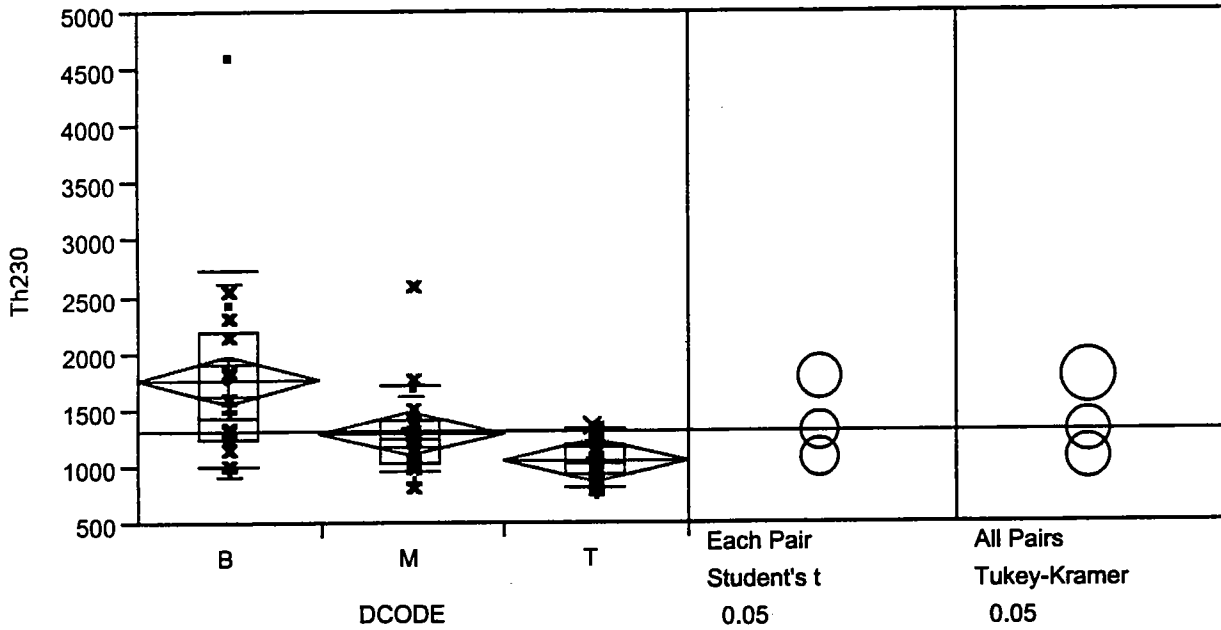
Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| D     | 13    | 553       | 42.5385    | 1.375             |
| O     | 11    | 293.5     | 26.6818    | -1.558            |
| P     | 46    | 1638.5    | 35.6196    | 0.062             |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 3.6250    | 2  | 0.1632     |

Th230 By DCODE



Analysis  Display

Quantiles

| Level | minimum | 10.0% | 25.0%  | median | 75.0%  | 90.0% | maximum |
|-------|---------|-------|--------|--------|--------|-------|---------|
| B     | 980     | 998   | 1257.5 | 1430   | 2182.5 | 2746  | 4600    |
| M     | 830     | 951   | 1040   | 1250   | 1402.5 | 1721  | 2590    |
| T     | 800     | 821   | 947.5  | 1037.5 | 1207.5 | 1336  | 1360    |

Oneway Anova

Means and Std Deviations

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| B     | 18     | 1765.00 | 855.867 | 201.73       |
| M     | 26     | 1292.69 | 352.461 | 69.12        |
| T     | 26     | 1064.62 | 170.434 | 33.42        |

Means Comparisons

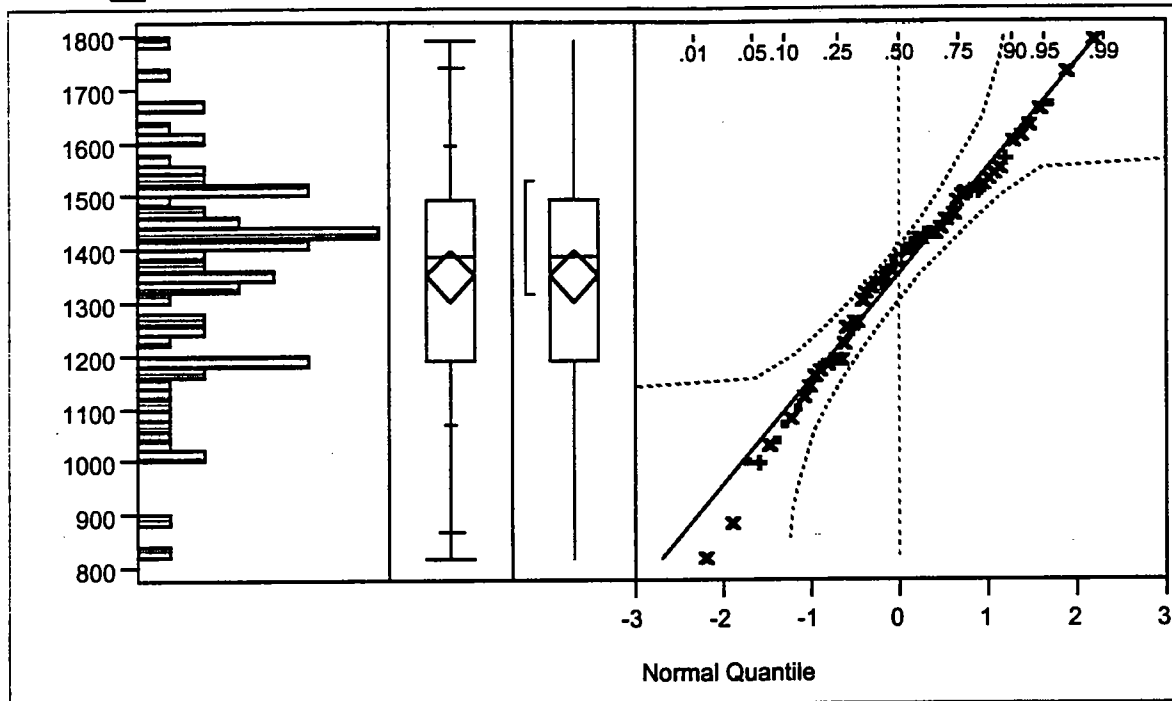
Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| B     | 18    | 913.5     | 50.7500    | 3.684             |
| M     | 26    | 990.5     | 38.0962    | 0.815             |
| T     | 26    | 581       | 22.3462    | -4.153            |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 21.4110   | 2  | <.0001     |





**Quantiles**

|          |        |        |
|----------|--------|--------|
| maximum  | 100.0% | 1790.0 |
|          | 99.5%  | 1790.0 |
|          | 97.5%  | 1743.5 |
|          | 90.0%  | 1597.0 |
| quartile | 75.0%  | 1492.5 |
| median   | 50.0%  | 1390.0 |
| quartile | 25.0%  | 1190.0 |
|          | 10.0%  | 1071.0 |
|          | 2.5%   | 870.4  |
|          | 0.5%   | 820.0  |
| minimum  | 0.0%   | 820.0  |

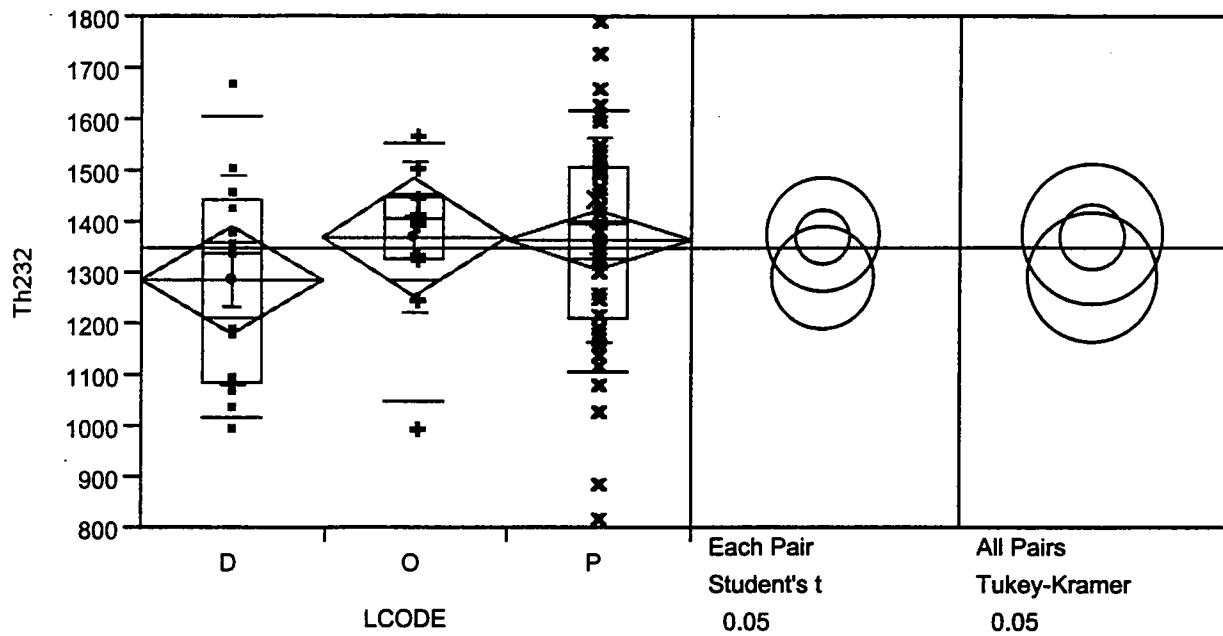
**Moments**

|                |           |
|----------------|-----------|
| Mean           | 1351.571  |
| Std Dev        | 197.709   |
| Std Error Mean | 23.631    |
| Upper 95% Mean | 1398.714  |
| Lower 95% Mean | 1304.429  |
| N              | 70.000    |
| Sum Weights    | 70.000    |
| Sum            | 94610.000 |
| Variance       | 39088.799 |
| Skewness       | -0.394    |
| Kurtosis       | 0.047     |
| CV             | 14.628    |

**Test for Normality**

|                     |        |
|---------------------|--------|
| Shapiro-Wilk W Test |        |
| W                   | Prob<W |
| 0.977133            | 0.5048 |

Th232 By LCODE



Analysis  Display

Quantiles

| Level | minimum | 10.0% | 25.0%  | median | 75.0%   | 90.0% | maximum |
|-------|---------|-------|--------|--------|---------|-------|---------|
| D     | 1000    | 1016  | 1085   | 1340   | 1445    | 1606  | 1670    |
| O     | 1000    | 1050  | 1330   | 1410   | 1450    | 1558  | 1570    |
| P     | 820     | 1108  | 1212.5 | 1400   | 1506.25 | 1616  | 1790    |

Oneway Anova

Means and Std Deviations

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| D     | 13     | 1286.92 | 206.130 | 57.170       |
| O     | 11     | 1371.82 | 150.454 | 45.364       |
| P     | 46     | 1365.00 | 205.142 | 30.247       |

Means Comparisons

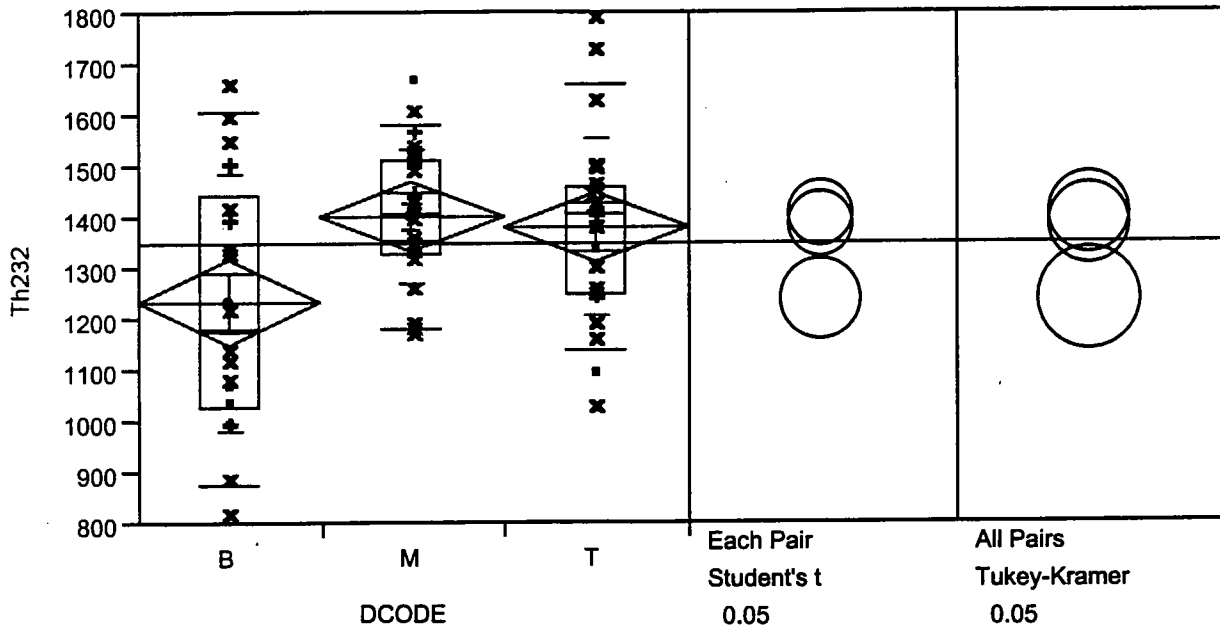
Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| D     | 13    | 374.5     | 28.8077    | -1.307            |
| O     | 11    | 406.5     | 36.9545    | 0.250             |
| P     | 46    | 1704      | 37.0435    | 0.873             |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 1.7277    | 2  | 0.4215     |

Th232 By DCODE



Analysis Display

Quantiles

| Level | minimum | 10.0% | 25.0%  | median | 75.0%   | 90.0% | maximum |
|-------|---------|-------|--------|--------|---------|-------|---------|
| B     | 820     | 878.5 | 1030   | 1180   | 1442.5  | 1606  | 1660    |
| M     | 1170    | 1180  | 1327.5 | 1410   | 1512.5  | 1582  | 1670    |
| T     | 1030    | 1142  | 1250   | 1410   | 1461.25 | 1660  | 1790    |

Oneway Anova

Means and Std Deviations

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| B     | 18     | 1232.50 | 252.867 | 59.601       |
| M     | 26     | 1404.62 | 136.711 | 26.811       |
| T     | 26     | 1380.96 | 177.994 | 34.908       |

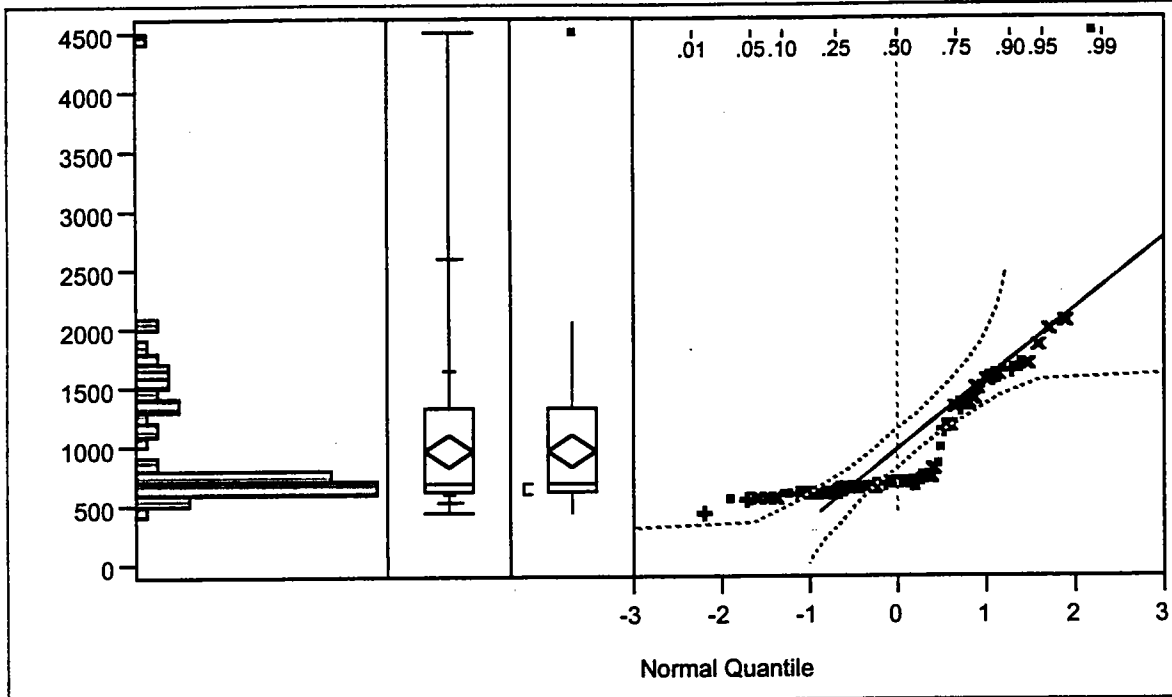
Means Comparisons

Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| B     | 18    | 455.5     | 25.3056    | -2.460            |
| M     | 26    | 1057      | 40.6538    | 1.623             |
| T     | 26    | 972.5     | 37.4038    | 0.596             |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 6.4160    | 2  | 0.0404     |



**Quantiles**

|          |        |        |
|----------|--------|--------|
| maximum  | 100.0% | 4500.0 |
|          | 99.5%  | 4500.0 |
|          | 97.5%  | 2609.0 |
|          | 90.0%  | 1649.0 |
| quartile | 75.0%  | 1325.0 |
| median   | 50.0%  | 700.0  |
| quartile | 25.0%  | 618.8  |
|          | 10.0%  | 600.0  |
|          | 2.5%   | 527.5  |
|          | 0.5%   | 450.0  |
| minimum  | 0.0%   | 450.0  |

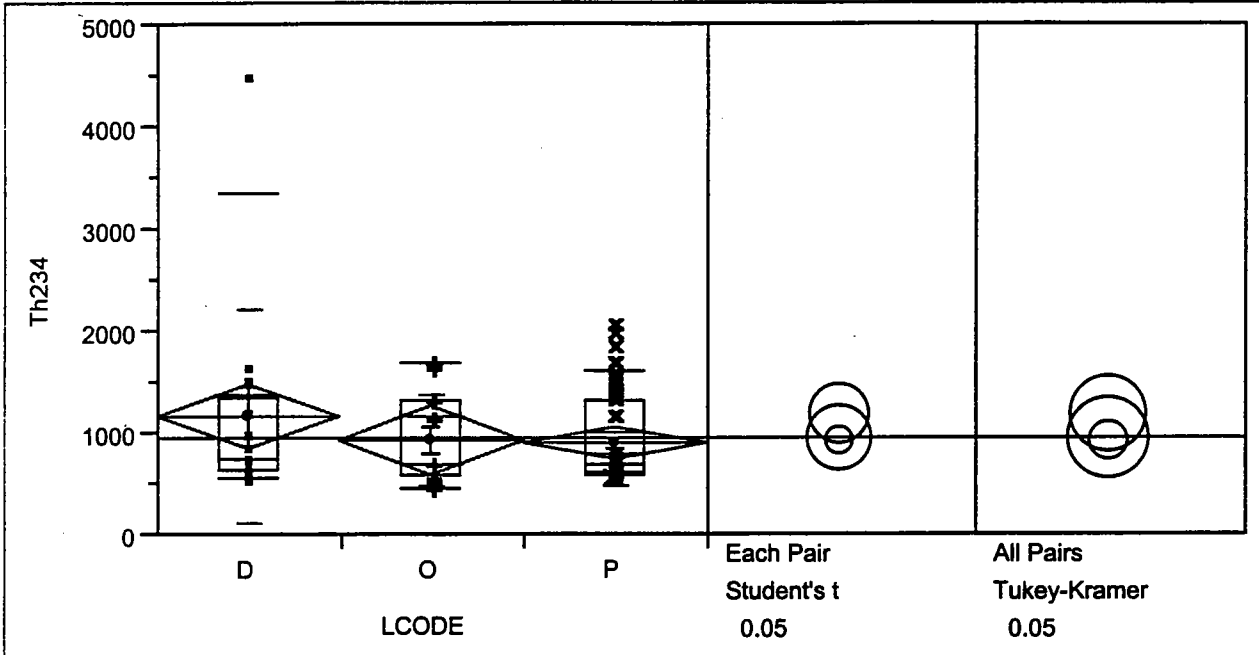
**Moments**

|                |           |
|----------------|-----------|
| Mean           | 964.286   |
| Std Dev        | 602.778   |
| Std Error Mean | 72.046    |
| Upper 95% Mean | 1108.013  |
| Lower 95% Mean | 820.558   |
| N              | 70.000    |
| Sum Weights    | 70.000    |
| Sum            | 67500.000 |
| Variance       | 363341.51 |
| Skewness       | 3.299     |
| Kurtosis       | 16.247    |
| CV             | 62.510    |

**Test for Normality**

|                     |        |
|---------------------|--------|
| Shapiro-Wilk W Test |        |
| W                   | Prob<W |
| 0.662300            | 0.0000 |

**Th234 By LCODE**



Analysis Display

**Quantiles**

| Level | minimum | 10.0% | 25.0%  | median | 75.0%  | 90.0% | maximum |
|-------|---------|-------|--------|--------|--------|-------|---------|
| D     | 550     | 570   | 650    | 750    | 1355   | 3356  | 4500    |
| O     | 450     | 470   | 600    | 700    | 1340   | 1690  | 1700    |
| P     | 550     | 600   | 618.75 | 700    | 1327.5 | 1630  | 2060    |

**Oneway Anova**

**Means and Std Deviations**

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| D     | 13     | 1176.92 | 1057.92 | 293.41       |
| O     | 11     | 930.00  | 449.31  | 135.47       |
| P     | 46     | 912.39  | 444.64  | 65.56        |

**Means Comparisons**

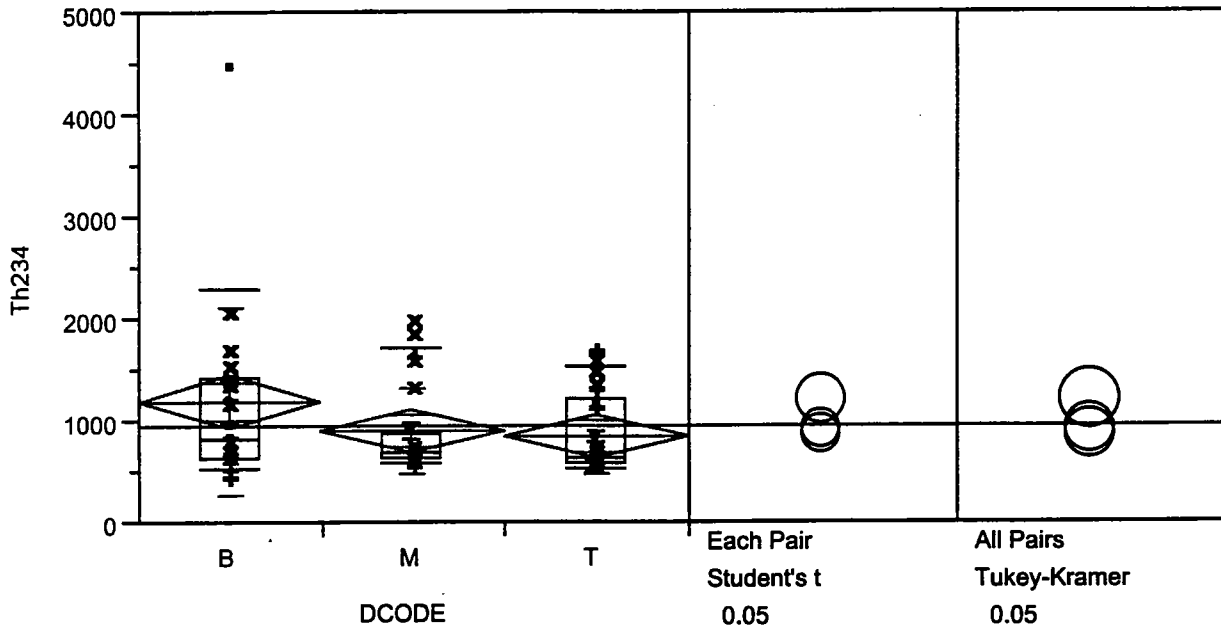
**Wilcoxon / Kruskal-Wallis Tests (Rank Sums)**

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| D     | 13    | 520       | 40.0000    | 0.883             |
| O     | 11    | 392.5     | 35.6818    | 0.024             |
| P     | 46    | 1572.5    | 34.1848    | -0.748            |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 0.8414    | 2  | 0.6566     |

Th234 By DCODE



Analysis  Display

| Quantiles |         |       |       |        |        |       |         |
|-----------|---------|-------|-------|--------|--------|-------|---------|
| Level     | minimum | 10.0% | 25.0% | median | 75.0%  | 90.0% | maximum |
| B         | 450     | 540   | 650   | 825    | 1437.5 | 2304  | 4500    |
| M         | 600     | 600   | 650   | 700    | 892.5  | 1713  | 2000    |
| T         | 550     | 550   | 600   | 650    | 1235   | 1534  | 1700    |

Oneway Anova

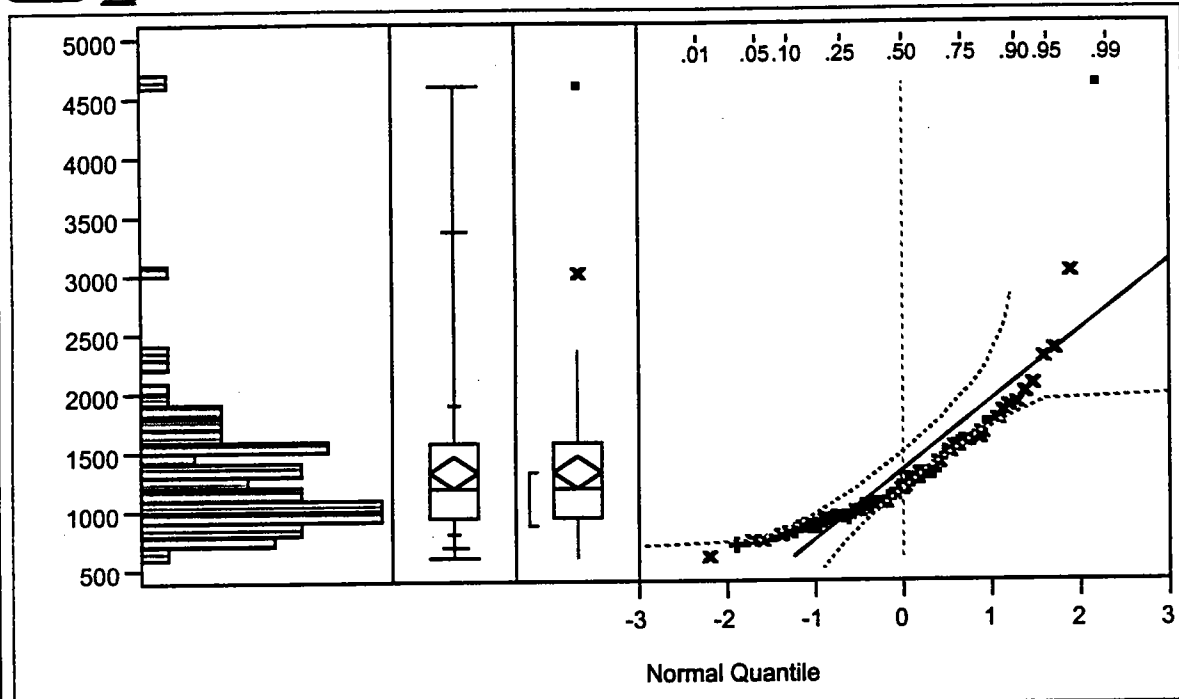
| Means and Std Deviations |        |         |         |              |
|--------------------------|--------|---------|---------|--------------|
| Level                    | Number | Mean    | Std Dev | Std Err Mean |
| B                        | 18     | 1188.61 | 941.947 | 222.02       |
| M                        | 26     | 908.46  | 444.690 | 87.21        |
| T                        | 26     | 864.81  | 389.832 | 76.45        |

Means Comparisons

| Wilcoxon / Kruskal-Wallis Tests (Rank Sums) |       |           |            |                   |
|---------------------------------------------|-------|-----------|------------|-------------------|
| Level                                       | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
| B                                           | 18    | 742.5     | 41.2500    | 1.395             |
| M                                           | 26    | 972       | 37.3846    | 0.594             |
| T                                           | 26    | 770.5     | 29.6346    | -1.862            |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 3.8787    | 2  | 0.1438     |



**Quantiles**

|          |        |        |
|----------|--------|--------|
| maximum  | 100.0% | 4600.0 |
|          | 99.5%  | 4600.0 |
|          | 97.5%  | 3367.7 |
|          | 90.0%  | 1889.0 |
| quartile | 75.0%  | 1580.0 |
| median   | 50.0%  | 1185.0 |
| quartile | 25.0%  | 947.5  |
|          | 10.0%  | 813.0  |
|          | 2.5%   | 685.3  |
|          | 0.5%   | 600.0  |
| minimum  | 0.0%   | 600.0  |

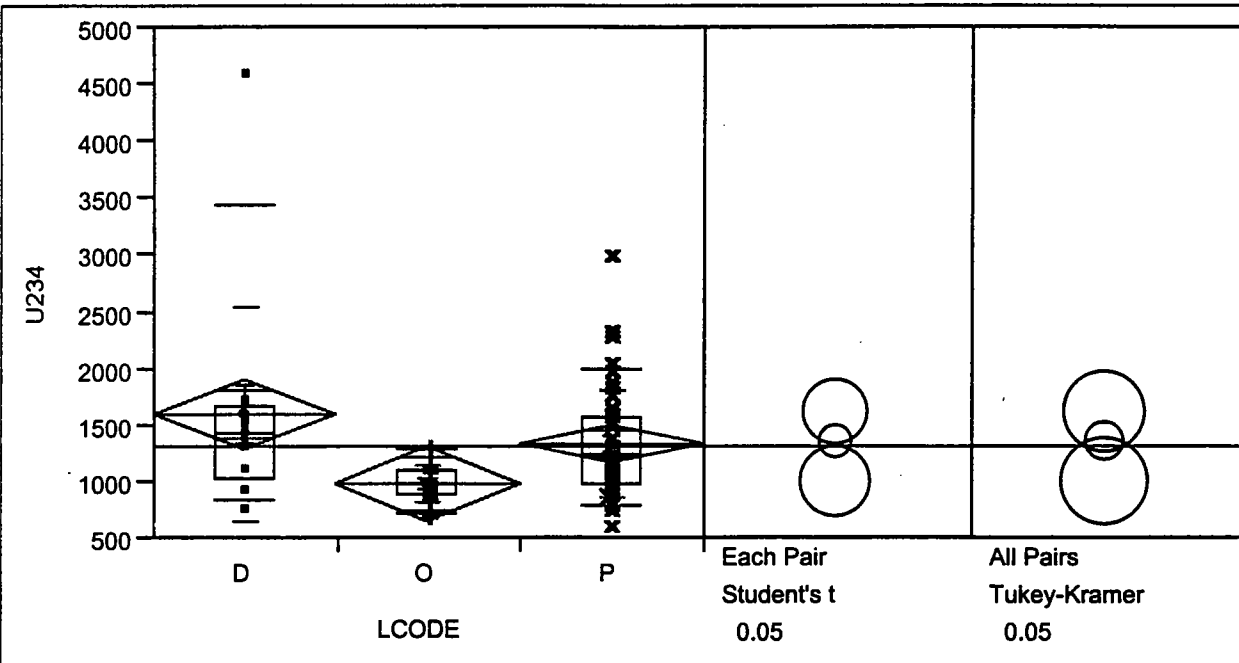
**Moments**

|                |           |
|----------------|-----------|
| Mean           | 1327.000  |
| Std Dev        | 592.556   |
| Std Error Mean | 70.824    |
| Upper 95% Mean | 1468.290  |
| Lower 95% Mean | 1185.710  |
| N              | 70.000    |
| Sum Weights    | 70.000    |
| Sum            | 92890.000 |
| Variance       | 351122.75 |
| Skewness       | 2.908     |
| Kurtosis       | 13.141    |
| CV             | 44.654    |

**Test for Normality**

|                     |        |
|---------------------|--------|
| Shapiro-Wilk W Test |        |
| W                   | Prob<W |
| 0.777714            | <.0001 |

**U234 By LCODE**



Analysis Display

**Quantiles**

| Level | minimum | 10.0% | 25.0% | median | 75.0%  | 90.0% | maximum |
|-------|---------|-------|-------|--------|--------|-------|---------|
| D     | 770     | 838   | 1035  | 1440   | 1670   | 3456  | 4600    |
| O     | 710     | 736   | 880   | 980    | 1110   | 1288  | 1320    |
| P     | 600     | 805.5 | 977.5 | 1252.5 | 1587.5 | 2008  | 3010    |

**Oneway Anova**

**Means and Std Deviations**

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| D     | 13     | 1590.77 | 956.369 | 265.25       |
| O     | 11     | 988.18  | 167.620 | 50.54        |
| P     | 46     | 1333.48 | 489.935 | 72.24        |

**Means Comparisons**

**Wilcoxon / Kruskal-Wallis Tests (Rank Sums)**

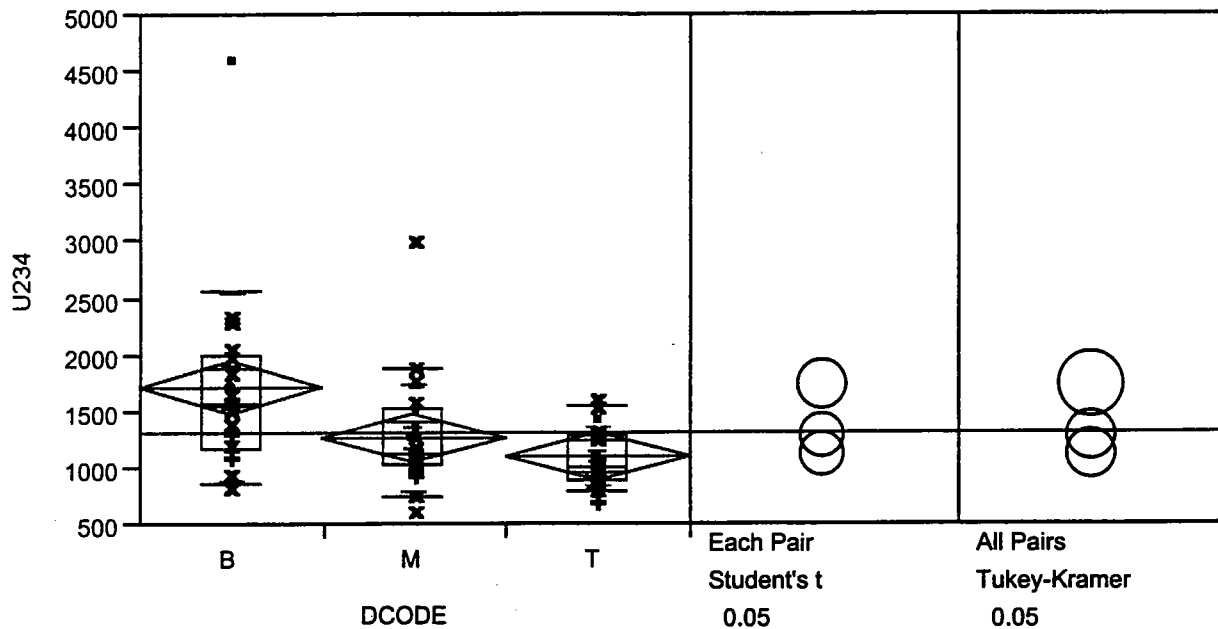
| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| D     | 13    | 559       | 43.0000    | 1.465             |
| O     | 11    | 227.5     | 20.6818    | -2.623            |
| P     | 46    | 1698.5    | 36.9239    | 0.804             |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 7.8268    | 2  | 0.0200     |



**U234 By DCODE**



Analysis  Display

**Quantiles**

| Level | minimum | 10.0% | 25.0%  | median | 75.0%   | 90.0%  | maximum |
|-------|---------|-------|--------|--------|---------|--------|---------|
| B     | 810     | 873   | 1170   | 1580   | 2005    | 2570.5 | 4600    |
| M     | 600     | 747   | 1022.5 | 1125   | 1520    | 1883   | 3010    |
| T     | 710     | 787.5 | 880    | 1000   | 1303.75 | 1561   | 1610    |

**Oneway Anova**

**Means and Std Deviations**

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| B     | 18     | 1709.17 | 852.599 | 200.96       |
| M     | 26     | 1278.85 | 490.529 | 96.20        |
| T     | 26     | 1110.58 | 279.089 | 54.73        |

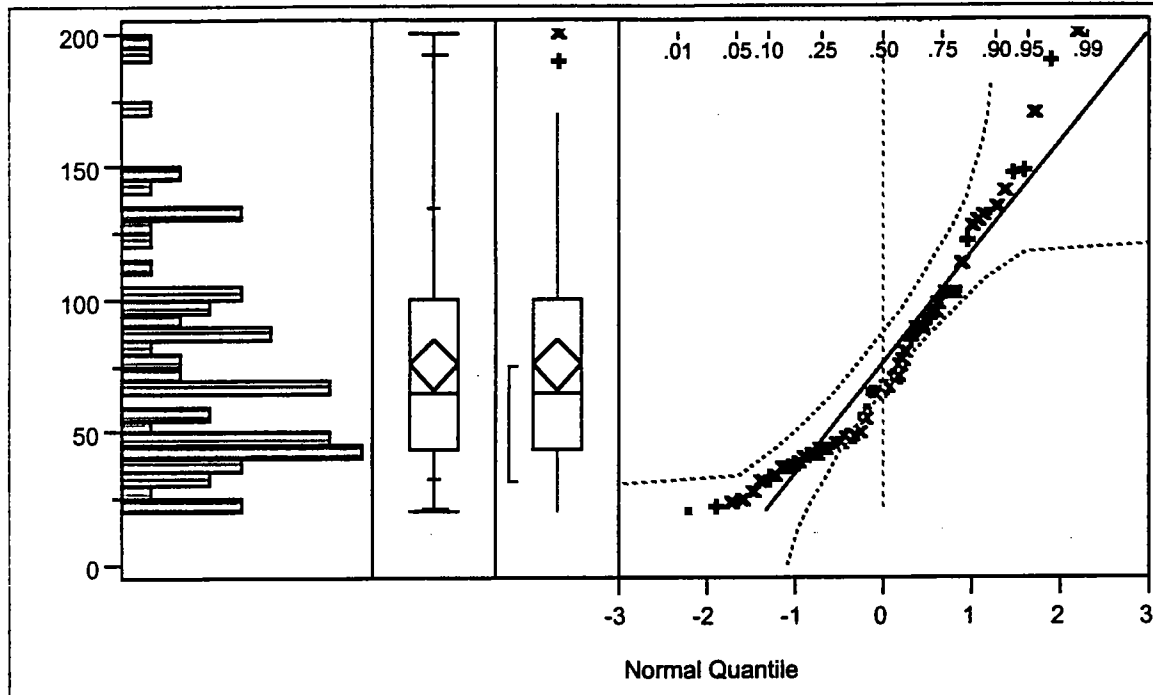
**Means Comparisons**

**Wilcoxon / Kruskal-Wallis Tests (Rank Sums)**

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| B     | 18    | 862.5     | 47.9167    | 2.997             |
| M     | 26    | 917.5     | 35.2885    | -0.061            |
| T     | 26    | 705       | 27.1154    | -2.644            |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 11.1225   | 2  | 0.0038     |



**Quantiles**

|          |        |        |
|----------|--------|--------|
| maximum  | 100.0% | 200.00 |
|          | 99.5%  | 200.00 |
|          | 97.5%  | 192.25 |
|          | 90.0%  | 134.35 |
| quartile | 75.0%  | 100.00 |
| median   | 50.0%  | 65.50  |
| quartile | 25.0%  | 43.50  |
|          | 10.0%  | 32.60  |
|          | 2.5%   | 22.16  |
|          | 0.5%   | 21.00  |
| minimum  | 0.0%   | 21.00  |

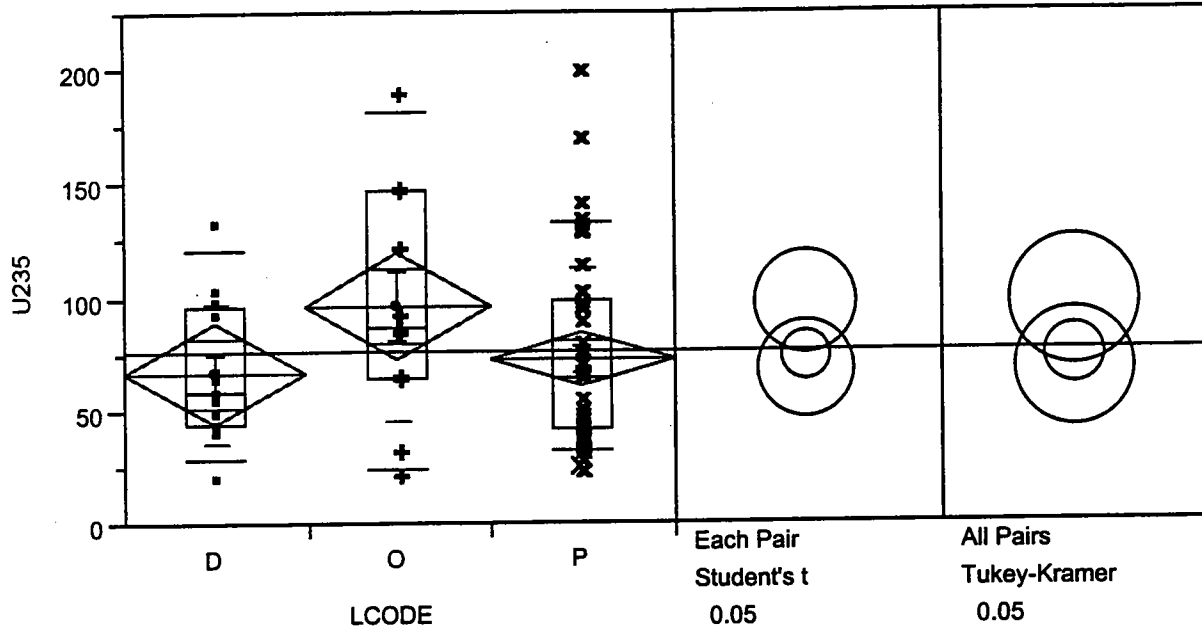
**Moments**

|                |           |
|----------------|-----------|
| Mean           | 75.91786  |
| Std Dev        | 41.57834  |
| Std Error Mean | 4.96956   |
| Upper 95% Mean | 85.83188  |
| Lower 95% Mean | 66.00383  |
| N              | 70.00000  |
| Sum Weights    | 70.00000  |
| Sum            | 5314.25   |
| Variance       | 1728.7586 |
| Skewness       | 0.98106   |
| Kurtosis       | 0.50978   |
| CV             | 54.76754  |

**Test for Normality**

|                     |        |
|---------------------|--------|
| Shapiro-Wilk W Test |        |
| W                   | Prob<W |
| 0.906572            | <.0001 |

U235 By LCODE



Analysis  Display

Quantiles

| Level | minimum | 10.0% | 25.0%  | median | 75.0% | 90.0%  | maximum |
|-------|---------|-------|--------|--------|-------|--------|---------|
| D     | 21      | 29    | 44.5   | 59     | 96    | 121.4  | 133     |
| O     | 22.5    | 24.5  | 65     | 87     | 148   | 181.8  | 190     |
| P     | 23.5    | 33.05 | 41.875 | 65     | 99.25 | 132.75 | 200     |

Oneway Anova

Means and Std Deviations

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| D     | 13     | 67.4231 | 31.2869 | 8.677        |
| O     | 11     | 96.4545 | 51.5580 | 15.545       |
| P     | 46     | 73.4076 | 40.8489 | 6.023        |

Means Comparisons

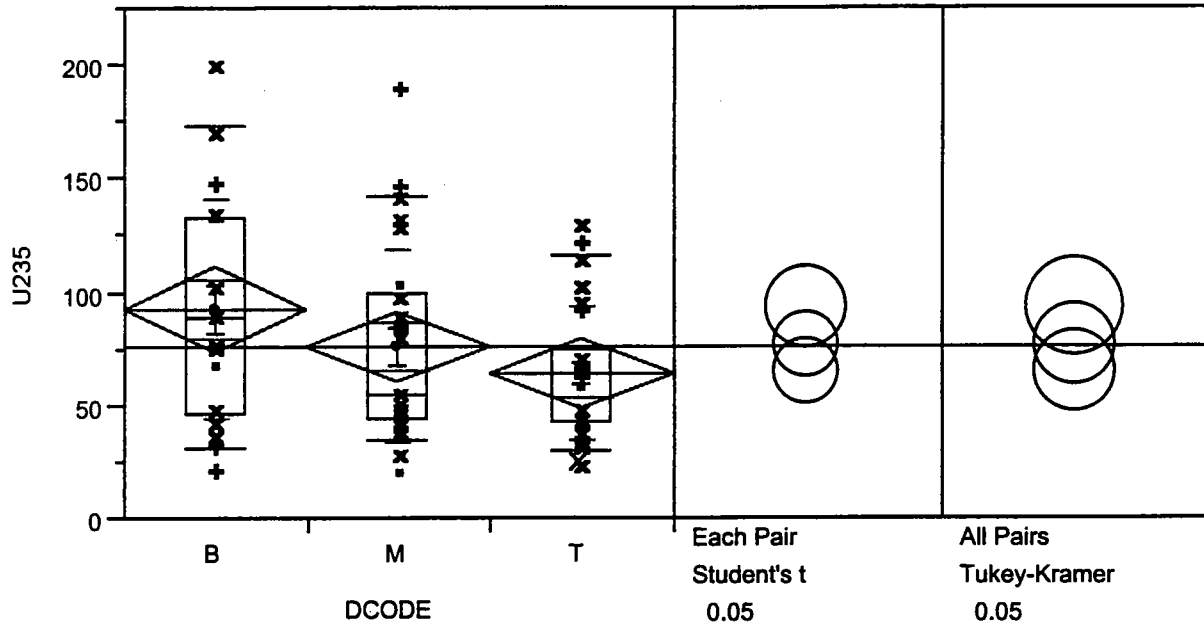
Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| D     | 13    | 435.5     | 33.5000    | -0.385            |
| O     | 11    | 478       | 43.4545    | 1.404             |
| P     | 46    | 1571.5    | 34.1630    | -0.755            |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 2.0056    | 2  | 0.3669     |

**U235 By DCODE**



Analysis Display

**Quantiles**

| Level | minimum | 10.0% | 25.0%  | median | 75.0%   | 90.0% | maximum |
|-------|---------|-------|--------|--------|---------|-------|---------|
| B     | 22.5    | 31.5  | 46.375 | 89     | 133.375 | 173   | 200     |
| M     | 21      | 34.5  | 44.625 | 55     | 100.25  | 143.1 | 190     |
| T     | 23.5    | 29.75 | 42.875 | 65     | 76.5    | 116.7 | 130     |

**Oneway Anova**

**Means and Std Deviations**

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| B     | 18     | 92.4722 | 49.5677 | 11.683       |
| M     | 26     | 76.2500 | 43.3161 | 8.495        |
| T     | 26     | 64.1250 | 29.7035 | 5.825        |

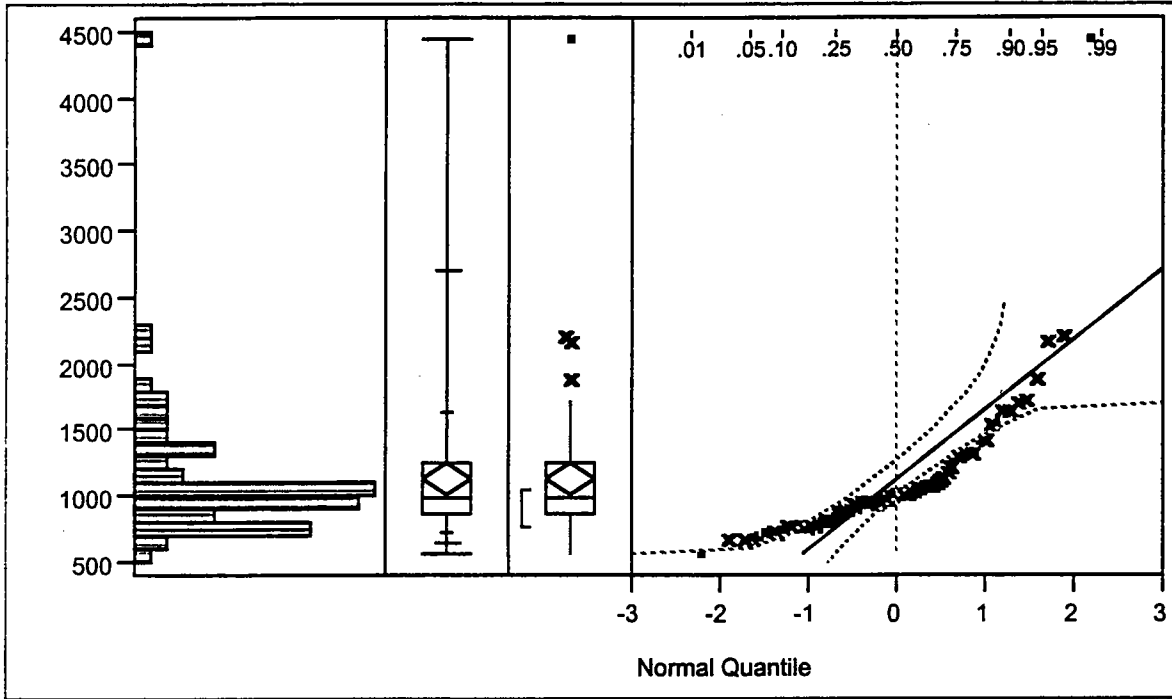
**Means Comparisons**

**Wilcoxon / Kruskal-Wallis Tests (Rank Sums)**

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| B     | 18    | 764       | 42.4444    | 1.673             |
| M     | 26    | 925.5     | 35.5962    | 0.024             |
| T     | 26    | 795.5     | 30.5962    | -1.544            |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 3.6078    | 2  | 0.1647     |



**Quantiles**

|          |        |        |
|----------|--------|--------|
| maximum  | 100.0% | 4450.0 |
|          | 99.5%  | 4450.0 |
|          | 97.5%  | 2714.0 |
|          | 90.0%  | 1649.0 |
| quartile | 75.0%  | 1262.5 |
| median   | 50.0%  | 1005.0 |
| quartile | 25.0%  | 867.5  |
|          | 10.0%  | 734.0  |
|          | 2.5%   | 649.8  |
|          | 0.5%   | 580.0  |
| minimum  | 0.0%   | 580.0  |

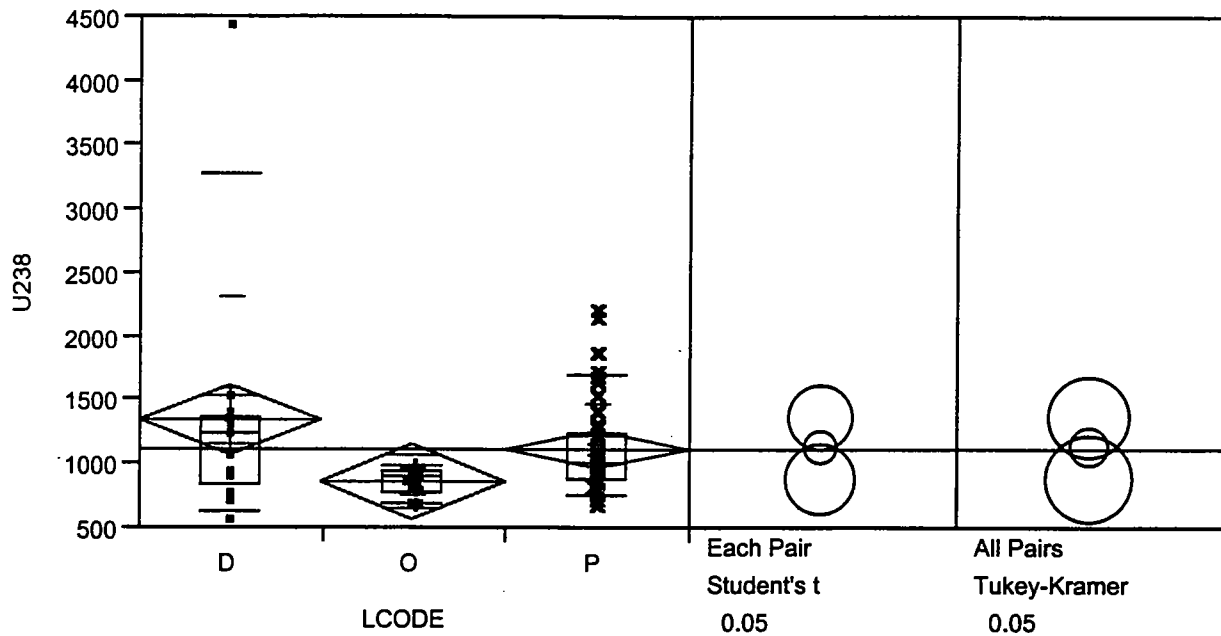
**Moments**

|                |           |
|----------------|-----------|
| Mean           | 1131.643  |
| Std Dev        | 524.821   |
| Std Error Mean | 62.728    |
| Upper 95% Mean | 1256.782  |
| Lower 95% Mean | 1006.504  |
| N              | 70.000    |
| Sum Weights    | 70.000    |
| Sum            | 79215.000 |
| Variance       | 275436.75 |
| Skewness       | 4.027     |
| Kurtosis       | 22.902    |
| CV             | 46.377    |

**Test for Normality**

|                     |        |
|---------------------|--------|
| Shapiro-Wilk W Test |        |
| W                   | Prob<W |
| 0.668706            | 0.0000 |

**U238 By LCODE**



Analysis  Display

**Quantiles**

| Level | minimum | 10.0% | 25.0% | median | 75.0% | 90.0% | maximum |
|-------|---------|-------|-------|--------|-------|-------|---------|
| D     | 580     | 640   | 855   | 1250   | 1375  | 3290  | 4450    |
| O     | 700     | 706   | 780   | 920    | 960   | 998   | 1000    |
| P     | 670     | 770   | 895   | 1025   | 1240  | 1709  | 2210    |

**Oneway Anova**

**Means and Std Deviations**

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| D     | 13     | 1360.77 | 973.409 | 269.97       |
| O     | 11     | 871.82  | 108.519 | 32.72        |
| P     | 46     | 1129.02 | 367.928 | 54.25        |

**Means Comparisons**

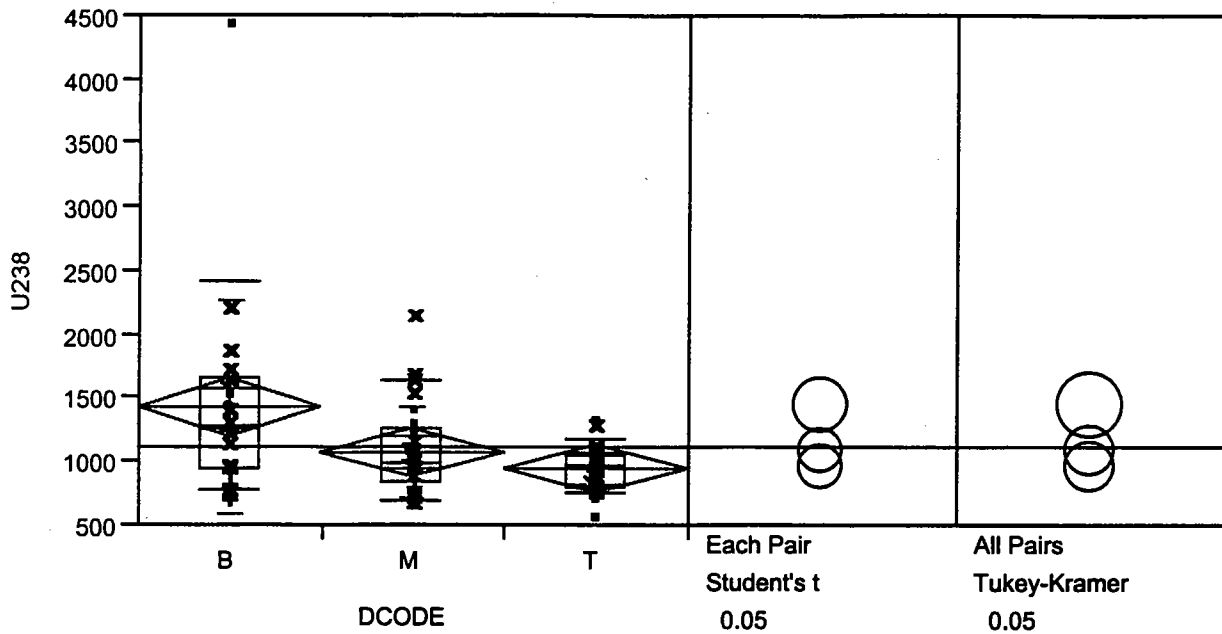
**Wilcoxon / Kruskal-Wallis Tests (Rank Sums)**

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| D     | 13    | 530.5     | 40.8077    | 1.035             |
| O     | 11    | 221       | 20.0909    | -2.728            |
| P     | 46    | 1733.5    | 37.6848    | 1.238             |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 7.7259    | 2  | 0.0210     |

**U238 By DCODE**



Analysis Display

**Quantiles**

| Level | minimum | 10.0% | 25.0% | median | 75.0%  | 90.0% | maximum |
|-------|---------|-------|-------|--------|--------|-------|---------|
| B     | 730     | 775   | 950   | 1270   | 1670   | 2434  | 4450    |
| M     | 670     | 694   | 855   | 1000   | 1267.5 | 1658  | 2160    |
| T     | 580     | 758   | 805   | 980    | 1055   | 1174  | 1340    |

**Oneway Anova**

**Means and Std Deviations**

| Level | Number | Mean    | Std Dev | Std Err Mean |
|-------|--------|---------|---------|--------------|
| B     | 18     | 1447.22 | 854.282 | 201.36       |
| M     | 26     | 1087.31 | 359.294 | 70.46        |
| T     | 26     | 957.50  | 171.937 | 33.72        |

**Means Comparisons**

**Wilcoxon / Kruskal-Wallis Tests (Rank Sums)**

| Level | Count | Score Sum | Score Mean | (Mean-Mean0)/Std0 |
|-------|-------|-----------|------------|-------------------|
| B     | 18    | 817.5     | 45.4167    | 2.393             |
| M     | 26    | 889       | 34.1923    | -0.407            |
| T     | 26    | 778.5     | 29.9423    | -1.751            |

1-way Test, Chi-Square Approximation

| ChiSquare | DF | Prob>ChiSq |
|-----------|----|------------|
| 6.3247    | 2  | 0.0423     |

**APPENDIX D.6 – CD**



## Files Included on CD

The files on the enclosed CD include electronic copies of the laboratory analytical sheets as Adobe PDF files and the analytical data bases for WRF samples and background samples in searchable Microsoft Excel files. The Adobe PDF files are named according to laboratory lot number. The lot numbers and the samples associated with each lot number are listed below. Adobe PDF files for the asbestos (PLM) results and physical soil data are also included on the CD.

Lot Number: **F1E210132**

(Soil, Chemicals)

| <u>Sample ID</u> | <u>Depth</u> |
|------------------|--------------|
| B-2              | 0-1          |
| B-2              | 4-5          |
| P-15             | 0-1          |
| P-15             | 4-5          |
| TRIP BLANK       |              |
| DUP1             |              |
| P-11             | 0-1          |
| P-11             | 4-5          |
| P-12             | 0-1          |
| P-12             | 4-5          |
| P-14             | 0-1          |
| P-14             | 4-5          |
| P-16             | 0-1          |
| P-16             | 4-5          |
| P-13             | 0-1          |
| P-13             | 4-5          |
| P-7              | 10-12        |
| P-7              | 18-20        |

Lot Number: **F1E180264**

(Soil, Chemicals)

| <u>Sample ID</u> | <u>Depth</u> |
|------------------|--------------|
| P-10             | 0-1          |
| P-10             | 10-11        |
| P-10             | 16.5-17.5    |
| P-9              | 0-1          |
| P-9              | 8            |
| P-7              | 0-1          |
| TRIP BLANK       |              |

Lot Number: **F1E230191**

(Soil, Chemicals)

| <u>Sample ID</u> | <u>Depth</u> |
|------------------|--------------|
| TRIP BLANK #1    |              |

|               |       |
|---------------|-------|
| P-17          | 6-8   |
| P-12          | 15-17 |
| P-11          | 15-17 |
| TRIP BLANK #2 |       |
| S-2           | 0-1   |
| S-2           | 10-12 |
| S-2           | 18-20 |
| P-4           | 0-1   |
| P-4           | 10-12 |
| P-4           | 20-22 |
| P-7           | 19-21 |
| E-2           | 6-8   |
| TRIP BLANK #3 |       |

Lot Number: **F1E220189**  
 (Soil, Chemicals)

| <u>Sample ID</u> | <u>Depth</u> |
|------------------|--------------|
| E-2              | 0-1          |
| E-2              | 4-5          |
| E-1              | 0-1          |
| E-1              | 4-5          |
| S-1              | 0-1          |
| S-1              | 10-12        |
| S-1              | 16-17        |
| B-1              | 0-1          |
| B-1              | 10-12        |
| B-1              | 19-21        |
| TRIP BLANK       |              |
| P-3              | 0-1          |
| P-3              | 10-12        |
| P-3              | 18-20        |
| P-2              | 0-1          |
| P-2              | 10-12        |
| P-2              | 16-18        |
| A-2              | 0-1          |
| A-2              | 10-12        |
| A-2              | 19-21        |
| TRIP BLANK       |              |
| P-6              | 0-1          |
| P-6              | 10-12        |
| P-6              | 18-21        |
| P-1              | 0-1          |
| P-1              | 10-12        |
| P-1              | 18-20        |
| TRIP BLANK       |              |

Lot Number: **F1E210157**  
(Soil, Chemicals)

| <u>Sample ID</u> | <u>Depth</u> |
|------------------|--------------|
| P-17             | 0-1          |
| P-17             | 4-5          |
| DUP2             |              |
| B-3              | 0-1          |
| B-3              | 4-5          |
| A-1              | 0-1          |
| A-1              | 10-12        |
| A-1              | 16-18        |
| P-8              | 0-1          |
| P-8              | 10-12        |
| P-8              | 16-18        |
| P-5              | 0-1          |
| P-5              | 10-12        |
| P-5              | 16-18        |
| DUP3             |              |
| TRIP BLANK       |              |

Lot Number: **F1E240210**  
(Ground Water, Chemicals)

| <u>Well/Sample ID</u> |
|-----------------------|
| PC-56                 |
| DUP6                  |
| B-14 (well B2-14)     |
| PC-4                  |
| PC-58                 |
| PC-2                  |
| B28 (well B2-8)       |

Lot Number: **J1F150269**  
(Ra-226 and Ra-228)

| <u>Sample ID</u> | <u>Depth</u> |
|------------------|--------------|
| B-2              | 0-1          |
| P-15             | 0-1          |
| P-15             | 4-5          |
| P-11             | 0-1          |
| P-11             | 4-5          |
| P-12             | 0-1          |
| P-12             | 4-5          |
| P-14             | 0-1          |
| P-14             | 4-5          |
| P-16             | 0-1          |
| P-16             | 4-5          |

|      |       |
|------|-------|
| P-13 | 0-1   |
| P-13 | 4-5   |
| P-7  | 10-12 |
| P-7  | 18-20 |
| DUP1 |       |
| B-2  | 4-5   |

Lot Number: **J1F180123**  
(Ra-226 and Ra-228)

| <u>Sample ID</u> | <u>Depth</u> |
|------------------|--------------|
| P-10             | 0-1          |
| P-10             | 10-11        |
| P-10             | 16.5-17.5    |
| P-9              | 0-1          |
| P-9              | 8            |
| P-7              | 0-1          |

Lot Number: **J1F150279**  
(Ra-226 and Ra-228)

| <u>Sample ID</u> | <u>Depth</u> |
|------------------|--------------|
| P-17             | 6-8          |
| P-12             | 15-17        |
| P-11             | 15-17        |
| S-2              | 0-1          |
| S-2              | 10-12        |
| S-2              | 18-20        |
| P-4              | 0-1          |
| P-4              | 10-12        |
| P-4              | 20-22        |
| P-7              | 19-21        |
| E-2              | 6-8          |

Lot Number: **J1F180131**  
(Ra-226 and Ra-228)

| <u>Sample ID</u> | <u>Depth</u> |
|------------------|--------------|
| E-2              | 0-1          |
| E-2              | 4-5          |
| E-1              | 0-1          |
| E-1              | 4-5          |
| S-1              | 0-1          |
| S-1              | 10-12        |
| S-1              | 16-17        |
| B-1              | 0-1          |
| B-1              | 10-12        |
| B-1              | 19-21        |

|     |       |
|-----|-------|
| P-3 | 0-1   |
| P-3 | 10-12 |
| P-3 | 18-20 |
| P-2 | 0-1   |
| P-2 | 10-12 |
| P-2 | 16-18 |
| A-2 | 0-1   |
| A-2 | 10-12 |
| A-2 | 19-21 |
| P-6 | 0-1   |
| P-6 | 10-12 |
| P-6 | 18-21 |
| P-1 | 0-1   |
| P-1 | 10-12 |
| P-1 | 18-20 |

Lot Number: **J1F180120**  
(Ra-226 and Ra-228)

| <u>Sample ID</u> | <u>Depth</u> |
|------------------|--------------|
| P-17             | 0-1          |
| P-17             | 4-5          |
| B-3              | 0-1          |
| B-3              | 4-5          |
| A-1              | 0-1          |
| A-1              | 10-12        |
| A-1              | 16-18        |
| P-8              | 0-1          |
| P-8              | 10-12        |
| P-8              | 16-18        |
| P-5              | 0-1          |
| P-5              | 10-12        |
| P-5              | 16-18        |
| DUP2             |              |
| DUP3             |              |