

**PIONEER**  
 NATURAL RESOURCES

| Table 910-1   |                                 |               |              |              |             |              |             |
|---|---------------------------------|---------------|--------------|--------------|-------------|--------------|-------------|
| CONCENTRATION LEVELS                                      |                                 |               |              |              |             |              |             |
| Contaminant of Concern                                    | Concentrations                  | bottom of pit | top of pit   | Native north | Native east | Native south | native west |
| <b>Organic Compounds in Soil</b>                          |                                 |               |              |              |             |              |             |
| TPH (total volatile & extractable petroleum hydrocarbons) | 500mg/kg                        | 230 mg/Kg     |              |              |             |              |             |
| Benzene   | 0.17 mg/kg                      | ND            |              |              |             |              |             |
| Toluene   | 85 mg/kg                        | ND            |              |              |             |              |             |
| Ethylbenzene  | 100mg/kg                        | ND            |              |              |             |              |             |
| Xylenes (total)   | 175 mg/kg                       | ND            |              |              |             |              |             |
| Acenaphthene  | 1000 mg/kg                      |               |              |              |             |              |             |
| Anthracene  | 1000 mg/kg                      |               |              |              |             |              |             |
| Benzo(A)anthracene  | 0.22 mg/kg                      |               |              |              |             |              |             |
| Benzo(B)fluoranthene                                      | 0.22 mg/kg                      |               |              |              |             |              |             |
| Benzo(K)fluoranthene                                      | 2.2 mg/kg                       |               |              |              |             |              |             |
| Benzo(A)pyrene  | 0.022 mg/kg                     |               |              |              |             |              |             |
| Chrysene  | 22 mg/kg                        |               |              |              |             |              |             |
| Dibenzo(A,H)anthracene                                    | 0.022 mg/kg                     |               |              |              |             |              |             |
| Fluoranthene  | 1000 mg/kg                      |               |              |              |             |              |             |
| Fluorene  | 1000 mg/kg                      |               |              |              |             |              |             |
| Indeno(1,2,3,C,D)pyrene                                   | 0.22 mg/kg                      |               |              |              |             |              |             |
| Napthalene  | 23 mg/kg                        |               |              |              |             |              |             |
| Pyrene  | 1000 mg/kg                      |               |              |              |             |              |             |
| <b>Organic Compounds in Ground Water</b>                  |                                 |               |              |              |             |              |             |
| Benzene   | 5 µg/l                          |               |              |              |             |              |             |
| Toluene   | 560 to 1000 µg/l                |               |              |              |             |              |             |
| Ethylbenzene  | 700 µg/l                        |               |              |              |             |              |             |
| Xylenes (total)   | 1400 to 10,000 µg/l             |               |              |              |             |              |             |
| <b>Inorganics in Soils</b>                                |                                 |               |              |              |             |              |             |
| Electrical Conductivity (EC)                              | <4000 umhos/cm or 2x background | 120 umhos/cm  | 110 umhos/cm |              |             |              |             |
| Sodium Adsorption Ratio (SAR)                             | <12                             | 9             | 7.20         |              |             |              |             |
| pH  | 6.0-9.0                         | 8.70          | 8.68         |              |             |              |             |
| <b>Inorganics in Ground Water</b>                         |                                 |               |              |              |             |              |             |
| Total Dissolved Solids (TDS)                              | <1.25 x background              |               |              |              |             |              |             |
| Chlorides   | <1.25 x background              |               |              |              |             |              |             |
| Sulfates  | <1.25 x background              |               |              |              |             |              |             |
| <b>Metals in Soils</b>                                    |                                 |               |              |              |             |              |             |
| Arsenic   | 0.39 mg/kg                      | 2.3 mg/Kg     | 2.8 mg/Kg    | 2.4 mg/Kg    | 2.2 mg/Kg   | 2.6 mg/Kg    | 1.3 mg/Kg   |
| Barium Total  | 15,000 mg/kg                    | 260 mg/Kg     |              |              |             |              |             |
| Boron (Hot Water Soluble)                                 | 2 mg/l                          | ND            |              |              |             |              |             |
| Cadmium   | 70 mg/kg                        | ND            |              |              |             |              |             |
| Chromium (III)  | 120,000 mg/kg                   | 26 mg/Kg      |              |              |             |              |             |
| Chromium (VI)   | 23 mg/kg                        | 1.3 mg/Kg     |              |              |             |              |             |
| Copper  | 3,100 mg/kg                     | 43 mg/Kg      |              |              |             |              |             |
| Lead (inorganic)  | 400 mg/kg                       | 17 mg/Kg      |              |              |             |              |             |
| Mercury   | 23 mg/kg                        | 69 ug/kg      |              |              |             |              |             |
| Nickel (soluble salts)                                    | 1,600 mg/kg                     | 20 mg/Kg      |              |              |             |              |             |
| Selenium  | 390 mg/kg                       | 2.0 mg/Kg     |              |              |             |              |             |
| Silver  | 390 mg/kg                       | ND            |              |              |             |              |             |
| Zinc  | 23,000 mg/kg                    | 96 mg/Kg      |              |              |             |              |             |
| <b>Liquid Hydrocarbons in Soils and Ground Water</b>      |                                 |               |              |              |             |              |             |
| Liquid hydrocarbons including condensate and oil          | Below detection level           | ND            |              |              |             |              |             |