

July 21, 1994

Caroline Kwan  
U.S. Environmental Protection Agency Region II  
26 Federal Plaza, Room 737  
New York, New York 10278

**VIA EXPRESS MAIL**

Re: Draft RI Report, Tutu Wells Site, St. Thomas, U.S. Virgin Islands.

Dear Ms. Kwan:

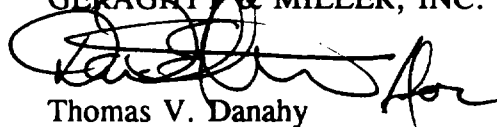
Geraghty & Miller, Inc., on behalf of the Tutu Environmental Investigation Committee (TEIC), has prepared the following for your review:

- Validated soil quality data (see Table 1) for seven Phase II samples plus QA/QC.
- Temporary Phase II Base Map (see Figure 1-3).

Please contact us if you have any questions.

Sincerely,

GERAGHTY & MILLER, INC.



Thomas V. Danahy  
Senior Scientist/Project Manager



Daniel A. Nachman  
Vice President/Project Officer

Enclosure

c: Paul Ryan, Texaco, Inc./EHS  
Tim Knutson, Esq., Texaco Legal  
Chris Gibson, Esq., Archer & Greiner

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Table 1. Concentrations of Volatile Organic Compounds in Soil Samples Collected in March and April 1994 at the Tutu Wells Site, St. Thomas, U.S. Virgin Islands.

| Analyte                        | Sample ID: | MW-13<br>(2.0-3.5') | MW-15<br>(4.0-6.0') | MW-16<br>(0-2.0') | MW-16 FR<br>(0-2.0') | MW-17<br>(6.0-8.0') | MW-18<br>(12.0-<br>14.0') | MW-19<br>(4.0-6.0') | MW-24<br>(4.5-6.5') | MW-25<br>(12.0-<br>14.0') |
|--------------------------------|------------|---------------------|---------------------|-------------------|----------------------|---------------------|---------------------------|---------------------|---------------------|---------------------------|
|                                | Date:      | 29-Mar-94           | 28-Mar-94           | 4-Apr-94          | 4-Apr-94             | 28-Mar-94           | 26-Mar-94                 | 6-Apr-94            | 31-Mar-94           | 31-Mar-94                 |
| Chloromethane                  |            | 11 U                | 12 U                | 11 UJ             | 11 UJ                | 11 U                | 12 UJ                     | 11 UJ               | 11 U                | 12 U                      |
| Bromomethane                   |            | 11 U                | 12 U                | 11 U              | 11 U                 | 11 U                | 12 UJ                     | 11 U                | 11 U                | 12 U                      |
| Vinyl chloride                 |            | 11 U                | 12 U                | 11 U              | 11 U                 | 11 U                | 12 UJ                     | 11 U                | 11 U                | 12 U                      |
| Chloroethane                   |            | 11 U                | 12 U                | 11 U              | 11 U                 | 11 U                | 12 UJ                     | 11 U                | 11 U                | 12 U                      |
| Methylene chloride             |            | 11 U                | 12 U                | 11 U              | 1 J                  | 11 U                | 12 UJ                     | 11 U                | 2 J                 | 3 J                       |
| Acetone                        |            | 11 UJ               | 4 J                 | 11 UJ             | 11 UJ                | 3 J                 | 50 BJ                     | 21 UJ               | 5 J                 | 33 J                      |
| Carbon disulfide               |            | 11 U                | 12 U                | 11 U              | 11 U                 | 11 U                | 12 UJ                     | 11 U                | 11 U                | 12 U                      |
| 1,1-Dichloroethene             |            | 11 U                | 12 U                | 11 U              | 11 U                 | 11 U                | 12 UJ                     | 11 U                | 11 U                | 12 U                      |
| 1,1-Dichloroethane             |            | 11 U                | 12 U                | 11 U              | 11 U                 | 11 U                | 12 UJ                     | 11 U                | 11 U                | 12 U                      |
| 1,2-Dichloroethene (cis/trans) |            | 11 U                | 12 U                | 11 U              | 11 U                 | 2 J                 | 12 UJ                     | 11 U                | 11 U                | 12 U                      |
| Chloroform                     |            | 11 U                | 12 U                | 11 U              | 11 U                 | 11 U                | 12 UJ                     | 11 U                | 11 U                | 12 U                      |
| 1,2-Dichloroethane             |            | 11 U                | 12 U                | 11 U              | 11 U                 | 11 U                | 12 UJ                     | 11 U                | 11 U                | 12 U                      |
| 2-Butanone                     |            | 11 U                | 12 U                | 11 UJ             | 11 UJ                | 11 U                | 13 BJ                     | 11 UJ               | 11 U                | 12 U                      |
| 1,1,1-Trichloroethane          |            | 11 U                | 12 U                | 11 U              | 11 U                 | 11 U                | 12 UJ                     | 11 U                | 11 U                | 12 U                      |
| Carbon tetrachloride           |            | 11 U                | 12 U                | 11 U              | 11 U                 | 11 U                | 12 UJ                     | 11 U                | 11 U                | 12 U                      |
| Bromodichloromethane           |            | 11 U                | 12 U                | 11 U              | 11 U                 | 11 U                | 12 UJ                     | 11 U                | 11 U                | 12 U                      |
| 1,2-Dichloropropane            |            | 11 U                | 12 U                | 11 U              | 11 U                 | 11 U                | 12 UJ                     | 11 U                | 11 U                | 12 U                      |
| cis-1,3-Dichloropropene        |            | 11 U                | 12 U                | 11 U              | 11 U                 | 11 U                | 12 UJ                     | 11 U                | 11 U                | 12 U                      |
| Trichloroethene                |            | 11 U                | 12 U                | 1 J               | 11 U                 | 11 U                | 12 UJ                     | 11 U                | 11 U                | 12 U                      |
| Dibromochloromethane           |            | 11 U                | 12 U                | 11 U              | 11 U                 | 11 U                | 12 UJ                     | 11 U                | 11 U                | 12 U                      |
| 1,1,2-Trichloroethane          |            | 11 U                | 12 U                | 11 U              | 11 U                 | 11 U                | 12 UJ                     | 11 U                | 11 U                | 12 U                      |
| Benzene                        |            | 11 U                | 12 U                | 11 U              | 11 U                 | 11 U                | 12 UJ                     | 11 U                | 11 U                | 12 U                      |
| trans-1,3-Dichloropropene      |            | 11 U                | 12 U                | 11 U              | 11 U                 | 11 U                | 12 UJ                     | 11 U                | 11 U                | 12 U                      |
| Bromoform                      |            | 11 U                | 12 U                | 11 U              | 11 U                 | 11 U                | 12 UJ                     | 11 U                | 11 U                | 12 U                      |
| 4-Methyl-2-pentanone           |            | 11 U                | 12 U                | 11 U              | 11 U                 | 11 U                | 12 UJ                     | 11 U                | 11 U                | 12 U                      |
| 2-Hexanone                     |            | 11 U                | 12 U                | 11 U              | 11 U                 | 11 U                | 12 UJ                     | 11 U                | 11 U                | 12 U                      |
| 1,1,2,2-Tetrachloroethane      |            | 11 U                | 12 U                | 11 U              | 11 U                 | 11 U                | 12 UJ                     | 11 U                | 11 U                | 12 U                      |
| Tetrachloroethene              |            | 11 U                | 12 U                | 72 J              | 35 J                 | 1 J                 | 12 UJ                     | 11 U                | 11 U                | 12 U                      |
| Toluene                        |            | 11 U                | 12 U                | 11 U              | 11 U                 | 11 U                | 12 UJ                     | 11 U                | 11 U                | 12 U                      |
| Chlorobenzene                  |            | 11 U                | 12 U                | 11 U              | 11 U                 | 11 U                | 12 UJ                     | 11 U                | 11 U                | 12 U                      |
| Ethylbenzene                   |            | 11 U                | 12 U                | 11 U              | 11 U                 | 11 U                | 12 UJ                     | 11 U                | 11 U                | 12 U                      |
| Styrene                        |            | 11 U                | 12 U                | 11 U              | 11 U                 | 11 U                | 12 UJ                     | 11 U                | 11 U                | 12 U                      |
| Xylenes (total)                |            | 11 U                | 12 U                | 11 U              | 11 U                 | 11 U                | 12 UJ                     | 11 U                | 11 U                | 12 U                      |
| tert-Butyl Methyl ether        |            | 55 U                | 20 J                | 55 U              | 55 U                 | 55 U                | 60 UJ                     | 56 U                | 55 U                | 60 U                      |
| n-Propylbenzene                |            | R                   | R                   | R                 | R                    | R                   | R                         | R                   | R                   | R                         |
| Dibromomethane                 |            | R                   | R                   | R                 | R                    | R                   | R                         | R                   | R                   | R                         |

Analyte concentrations in micrograms per kilogram (parts per billion [ppb]).

Analyses were performed by Enseco-East of Somerset, New Jersey, using March 1990 Contract Laboratory Program (CLP) protocols.

B The compound was also detected in the associated method blank.

J Estimated result.

U The compound was analyzed for, but not detected at the corresponding reporting limits.

R Result rejected.

Table 2. Concentrations of Base Neutral and Acid Extractable Organic Compounds in Soil Samples Collected in March and April 1994 at the Tutu Wells Site, St. Thomas, U.S. Virgin Islands.

| Analyte                    | Sample ID: MW-13<br>(2.0-3.5') | MW-15<br>(4.0-6.0') | MW-16<br>(0-3.0') | MW-16 FR<br>(0-3.0') | MW-17<br>(6.0-8.0') | MW-18<br>(12.0-14.0') | MW-19<br>(4.0-8.0') | MW-24<br>(6.5-8.5') | MW-25<br>(12.0-14.0') |
|----------------------------|--------------------------------|---------------------|-------------------|----------------------|---------------------|-----------------------|---------------------|---------------------|-----------------------|
|                            | Date: 29-Mar-94                | 28-Mar-94           | 4-Apr-94          | 4-Apr-94             | 28-Mar-94           | 26-Mar-94             | 6-Apr-94            | 31-Mar-94           | 31-Mar-94             |
| Hexachlorobenzene          | 370 U                          | 410 U               | 360 U             | 340 U                | 370 U               | 750 U                 | 360 U               | 360 U               | 390 U                 |
| Hexachlorobutadiene        | 370 U                          | 410 U               | 360 U             | 340 U                | 370 U               | 750 U                 | 360 U               | 360 U               | 390 U                 |
| Hexachlorocyclopentadiene  | 370 U                          | 410 UJ              | 360 UJ            | 340 U                | 370 U               | 750 U                 | 360 UJ              | 360 U               | 390 U                 |
| Hexachloroethane           | 370 U                          | 410 U               | 360 U             | 340 U                | 370 U               | 750 U                 | 360 U               | 360 U               | 390 U                 |
| Indeno(1,2,3-cd)pyrene     | 370 U                          | 410 U               | 360 U             | 340 U                | 370 U               | 750 U                 | 360 U               | 360 U               | 390 U                 |
| Isophorone                 | 370 U                          | 410 U               | 360 U             | 340 U                | 370 U               | 750 U                 | 360 U               | 360 U               | 390 U                 |
| 2-Methylnaphthalene        | 370 U                          | 410 U               | 360 U             | 340 U                | 370 U               | 750 U                 | 360 U               | 360 U               | 390 U                 |
| 2-Methylphenol             | 370 U                          | 410 U               | 360 U             | 340 U                | 370 U               | 750 U                 | 360 U               | 360 U               | 390 U                 |
| 4-Methylphenol             | 370 U                          | 410 U               | 360 U             | 340 U                | 370 U               | 750 U                 | 360 U               | 360 U               | 390 U                 |
| Naphthalene                | 370 U                          | 410 U               | 360 U             | 340 U                | 370 U               | 750 U                 | 360 U               | 360 U               | 390 U                 |
| 2-Nitroaniline             | 890 U                          | 980 U               | 880 U             | 810 U                | 900 U               | 1800 U                | 880 U               | 880 U               | 930 U                 |
| 3-Nitroaniline             | 890 U                          | 980 UJ              | 880 UJ            | 810 UJ               | 900 U               | 1800 U                | 880 UJ              | 880 U               | 930 U                 |
| 4-Nitroaniline             | 890 U                          | 980 U               | 880 UJ            | 810 U                | 900 U               | 1800 U                | 880 UJ              | 880 U               | 930 U                 |
| Nitrobenzene               | 370 U                          | 410 U               | 360 U             | 340 U                | 370 U               | 750 U                 | 360 U               | 360 U               | 390 U                 |
| 2-Nitrophenol              | 370 U                          | 410 U               | 360 U             | 340 U                | 370 U               | 750 U                 | 360 U               | 360 U               | 390 U                 |
| 4-Nitrophenol              | 890 U                          | 980 U               | 880 UJ            | 810 UJ               | 900 U               | 1800 U                | 880 UJ              | 880 U               | 930 U                 |
| N-Nitrosodiphenylamine     | 370 U                          | 410 U               | 360 U             | 340 U                | 370 U               | 750 U                 | 360 U               | 360 U               | 390 U                 |
| N-Nitroso-di-n-propylamine | 370 U                          | 410 U               | 360 U             | 340 U                | 370 U               | 750 U                 | 360 U               | 360 U               | 390 U                 |
| Pentachlorophenol          | 890 U                          | 980 UJ              | 880 UJ            | 810 U                | 900 U               | 1800 U                | 880 UJ              | 880 U               | 930 U                 |
| Phenanthrene               | 370 U                          | 410 U               | 360 U             | 340 U                | 370 U               | 750 U                 | 360 U               | 360 U               | 390 U                 |
| Phenol                     | 370 U                          | 410 U               | 360 U             | 340 U                | 370 U               | 750 U                 | 360 U               | 360 U               | 390 U                 |
| Pyrene                     | 370 U                          | 410 U               | 360 U             | 340 U                | 370 U               | 750 U                 | 360 U               | 360 U               | 390 U                 |
| 1,2,4-Trichlorobenzene     | 370 U                          | 410 U               | 360 U             | 340 U                | 370 U               | 750 U                 | 360 U               | 360 U               | 390 U                 |
| 2,4,5-Trichlorophenol      | 890 U                          | 980 U               | 880 U             | 810 U                | 900 U               | 1800 U                | 880 U               | 880 U               | 930 U                 |
| 2,4,6-Trichlorophenol      | 370 U                          | 410 U               | 360 U             | 340 U                | 370 U               | 750 U                 | 360 U               | 360 U               | 390 U                 |

Analyte concentrations in micrograms per kilogram (parts per billion [ppb]).

Analyses were performed by Enseco-East of Somerset, New Jersey, using March 1990 Contract Laboratory Program (CLP) protocols.

J Estimated result.

U The compound was analyzed for, but not detected at the corresponding reporting limits.

R Result rejected.

NA Not applicable.

Table 2. Concentrations of Base Neutral and Acid Extractable Organic Compounds in Soil Samples Collected in March and April 1994 at the Tutu Wells Site, St. Thomas, U.S. Virgin Islands.

| Analyte                     | Sample ID: MW-13<br>(2.0-3.5') | MW-15<br>(4.0-6.0') | MW-16<br>(0-3.0') | MW-16 FR<br>(0-3.0') | MW-17<br>(6.0-8.0') | MW-18<br>(12.0-14.0') | MW-19<br>(4.0-8.0') | MW-24<br>(6.5-8.5') | MW-25<br>(12.0-14.0') |
|-----------------------------|--------------------------------|---------------------|-------------------|----------------------|---------------------|-----------------------|---------------------|---------------------|-----------------------|
| Date:                       | 29-Mar-94                      | 28-Mar-94           | 4-Apr-94          | 4-Apr-94             | 28-Mar-94           | 26-Mar-94             | 6-Apr-94            | 31-Mar-94           | 31-Mar-94             |
| Acenaphthene                | 370 U                          | 410 U               | 360 U             | 340 U                | 370 U               | 750 U                 | 360 U               | 360 U               | 390 U                 |
| Acenaphthylene              | 370 U                          | 410 U               | 360 U             | 340 U                | 370 U               | 750 U                 | 360 U               | 360 U               | 390 U                 |
| Anthracene                  | 370 U                          | 410 U               | 360 U             | 340 U                | 370 U               | 750 U                 | 360 U               | 360 U               | 390 U                 |
| Carbazole                   | 370 U                          | 410 U               | 360 UJ            | 340 U                | 370 U               | 750 U                 | 360 UJ              | 360 U               | 390 U                 |
| Benzo(a)anthracene          | 370 U                          | 410 U               | 360 U             | 340 U                | 370 U               | 750 U                 | 360 U               | 360 U               | 390 U                 |
| Benzo(a)pyrene              | 370 U                          | 410 U               | 360 U             | 340 U                | 370 U               | 750 U                 | 360 U               | 360 U               | 390 U                 |
| Benzo(b)fluoranthene        | 370 U                          | 410 U               | 360 U             | 340 U                | 370 U               | 750 U                 | 360 U               | 360 U               | 390 U                 |
| Benzo(g,h,i)perylene        | 370 U                          | 410 U               | 360 U             | 340 U                | 370 U               | 750 U                 | 360 U               | 360 U               | 390 U                 |
| Benzo(k)fluoranthene        | 370 U                          | 410 U               | 360 U             | 340 U                | 370 U               | 750 U                 | 360 U               | 360 U               | 390 U                 |
| 4-Bromophenyl phenyl ether  | 370 U                          | 410 U               | 360 U             | 340 U                | 370 U               | 750 U                 | 360 U               | 360 U               | 390 U                 |
| Butyl benzyl phthalate      | 370 U                          | 410 U               | 360 U             | 340 U                | 370 U               | 750 U                 | 360 U               | 360 U               | 390 U                 |
| 4-Chloroaniline             | 370 U                          | 410 U               | 360 U             | 340 U                | 370 U               | 750 U                 | 360 U               | 360 U               | 390 U                 |
| bis(2-Chloroethoxy)methane  | 370 U                          | 410 U               | 360 U             | 340 U                | 370 U               | 750 U                 | 360 U               | 360 U               | 390 U                 |
| bis(2-Chloroethyl)ether     | 370 U                          | 410 U               | 360 U             | 340 U                | 370 U               | 750 U                 | 360 U               | 360 U               | 390 U                 |
| bis(2-Chloroisopropyl)ether | 370 U                          | 410 U               | 360 U             | 340 U                | NA                  | 750 U                 | 360 U               | 360 U               | 390 U                 |
| 4-Chloro-3-methylphenol     | 370 U                          | 410 U               | 360 U             | 340 U                | 370 U               | 750 U                 | 360 U               | 360 U               | 390 U                 |
| 2-Chloronaphthalene         | 370 U                          | 410 U               | 360 U             | 340 U                | 370 U               | 750 U                 | 360 U               | 360 U               | 390 U                 |
| 2-Chlorophenol              | 370 U                          | 410 U               | 360 U             | 340 U                | 370 U               | 750 U                 | 360 U               | 360 U               | 390 U                 |
| 4-Chlorophenyl phenyl ether | 370 U                          | 410 U               | 360 U             | 340 U                | 370 U               | 750 U                 | 360 U               | 360 U               | 390 U                 |
| Chrysene                    | 370 U                          | 410 U               | 360 U             | 340 U                | 370 U               | 750 U                 | 360 U               | 360 U               | 390 U                 |
| Di-n-butyl phthalate        | 370 U                          | 410 U               | 52 J              | 340 U                | 370 U               | 750 U                 | 360 U               | 360 U               | 390 U                 |
| Dibenz(a,h)anthracene       | 370 U                          | 410 U               | 360 U             | 340 U                | 370 U               | 750 U                 | 360 U               | 360 U               | 390 U                 |
| Dibenzofuran                | 370 U                          | 410 U               | 360 U             | 340 U                | 370 U               | 750 U                 | 360 U               | 360 U               | 390 U                 |
| 1,2-Dichlorobenzene         | 370 U                          | 410 U               | 360 U             | 340 U                | 370 U               | 750 U                 | 360 U               | 360 U               | 390 U                 |
| 1,3-Dichlorobenzene         | 370 U                          | 410 U               | 360 U             | 340 U                | 370 U               | 750 U                 | 360 U               | 360 U               | 390 U                 |
| 1,4-Dichlorobenzene         | 370 U                          | 410 U               | 360 U             | 340 U                | 370 U               | 750 U                 | 360 U               | 360 U               | 390 U                 |
| 3,3'-Dichlorobenzidine      | 370 U                          | 410 U               | 360 U             | 340 U                | 370 U               | 750 U                 | 360 U               | 360 U               | 390 U                 |
| 2,4-Dichlorophenol          | 370 U                          | 410 U               | 360 U             | 340 U                | 370 U               | 750 U                 | 360 U               | 360 U               | 390 U                 |
| Diethyl phthalate           | 370 U                          | 410 U               | 360 UJ            | 340 U                | 370 U               | 750 U                 | 360 UJ              | 360 U               | 390 U                 |
| 2,4-Dimethylphenol          | 370 U                          | 410 U               | 360 U             | 340 U                | 370 U               | 750 U                 | 360 U               | 360 U               | 390 U                 |
| Dimethyl phthalate          | 370 U                          | 410 U               | 360 U             | 340 U                | 370 U               | 750 U                 | 360 U               | 360 U               | 390 U                 |
| 4,6-Dinitro-2-methylphenol  | 890 U                          | 980 UJ              | 880 U             | 810 UJ               | 900 U               | 1800 U                | 880 U               | 880 U               | 930 U                 |
| 2,4-Dinitrophenol           | 890 UJ                         | R                   | 880 UJ            | 810 UJ               | 900 UJ              | 1800 UJ               | 880 UJ              | 880 UJ              | 930 UJ                |
| 2,4-Dinitrotoluene          | 370 U                          | 410 U               | 360 U             | 340 U                | 370 U               | 750 U                 | 360 U               | 360 U               | 390 U                 |
| 2,6-Dinitrotoluene          | 370 U                          | 410 U               | 360 U             | 340 U                | 370 U               | 750 U                 | 360 U               | 360 U               | 390 U                 |
| Di-n-octyl phthalate        | 370 U                          | 410 U               | 360 U             | 340 U                | 370 U               | 750 U                 | 360 U               | 360 U               | 390 U                 |
| bis(2-Ethylhexyl)phthalate  | 210 J                          | 410 U               | 360 U             | 340 U                | 370 J               | 130 J                 | 360 U               | 240 J               | 140 J                 |
| Fluoranthene                | 370 U                          | 410 U               | 360 U             | 340 U                | 370 U               | 750 U                 | 360 U               | 360 U               | 390 U                 |
| Fluorene                    | 370 U                          | 410 U               | 360 U             | 340 U                | 370 U               | 750 U                 | 360 U               | 360 U               | 390 U                 |

Analyte concentrations in micrograms per kilogram (parts per billion [ppb]).

Analyses were performed by Enseco-East of Somerset, New Jersey, using March 1990 Contract Laboratory Program (CLP) protocols.

J Estimated result.  
 U The compound was analyzed for, but not detected at the corresponding reporting limits.  
 R Result rejected.  
 NA Not applicable.

Table 3. Concentrations of Metals in Soil Samples Collected in March and April 1994 at the Tutu Wells Site, St. Thomas, U.S. Virgin Islands.

| Analyte   | Sample ID: | MW-13<br>(2.0-3.5') | MW-15<br>(4.0-6.0') | MW-16<br>(0-3.0') | MW-16 FR<br>(0-3.0') | MW-18<br>(12.0-14.0') | MW-19<br>(4.0-8.0') | MW-24<br>(6.5-8.5') | MW-25<br>(12.0-14.0') |
|-----------|------------|---------------------|---------------------|-------------------|----------------------|-----------------------|---------------------|---------------------|-----------------------|
|           | Date:      | 29-Mar-94           | 28-Mar-94           | 4-Apr-94          | 4-Apr-94             | 26-Mar-94             | 6-Apr-94            | 31-Mar-94           | 31-Mar-94             |
| Aluminum  |            | 23000               | 21100               | 25700             | 29000                | 22200                 | 27300               | 14100               | 17000                 |
| Antimony  |            | 5.2 UJ              | 6 UJ                | 5 UJ              | 5.2 UJ               | 5.5 UJ                | 5.4 UJ              | 5.2 UJ              | 5.6 UJ                |
| Arsenic   |            | 0.71 B              | 0.82 B              | 2.1               | 0.77 B               | 1.3 B                 | 1.3 B               | 3                   | 0.94 B                |
| Barium    |            | 40.5 B              | 81.1                | 41.3 B            | 26.5 B               | 37.9 B                | 38.4 B              | 41.9 B              | 114                   |
| Beryllium |            | 0.22 B              | 0.34                | 0.28 B            | 0.25 B               | 0.28 B                | 0.33 B              | 0.22 U              | 0.35 B                |
| Cadmium   |            | 0.86 U              | 1.1 B               | 0.84 U            | 0.97 B               | 0.91 U                | 1 B                 | 1 B                 | 0.95 B                |
| Calcium   |            | 67400               | 5730                | 22800             | 54400                | 10800                 | 30400               | 1140                | 2340                  |
| Chromium  |            | 23.8 J              | 33.2 J              | 39.1 J            | 45.3 J               | 27.5 J                | 30.1 J              | 2.1 BJ              | 13.5 J                |
| Cobalt    |            | 17.1                | 21.3                | 27.4 J            | 23.7 J               | 20.1                  | 22 J                | 9.3 B               | 18.4                  |
| Copper    |            | 77.9                | 94.9                | 135               | 82.4                 | 62.6                  | 71.1                | 30.3                | 56.5                  |
| Iron      |            | 29100               | 38600               | 35300             | 36900                | 34300                 | 39800               | 30700               | 39300                 |
| Lead      |            | 33.6                | 4.9                 | 3.2               | 3                    | 8.5                   | 2.4                 | 6.9                 | 11.7                  |
| Magnesium |            | 18700               | 11100               | 22000             | 25100                | 15600                 | 21600               | 5920                | 6280                  |
| Manganese |            | 705                 | 622                 | 927               | 818                  | 472                   | 743 *               | 1350                | 1250                  |
| Mercury   |            | 0.05 U              | 0.08 B              | 0.05 U            | 0.05 U               | 0.06 U                | 0.06 U              | 0.05 U              | 0.06 U                |
| Nickel    |            | 27.3                | 18.4                | 21.5              | 21.9                 | 17                    | 16.2                | 2.6 U               | 8.3 B                 |
| Potassium |            | 492 B               | 773 B               | 151 U             | 175 B                | 1440                  | 1800                | 217 B               | 1130 B                |
| Selenium  |            | 0.43 UJ             | 0.5 U               | 0.42 U            | 0.43 U               | 0.46 U                | 0.45 U              | 0.44 U              | 1.1 B                 |
| Silver    |            | 0.64 U              | 0.75 U              | 0.63 U            | 0.65 U               | 0.68 U                | 0.83 B              | 0.8 B               | 0.82 B                |
| Sodium    |            | 393 U               | 1550                | 384 U             | 396 U                | 511 B                 | 413 U               | 993 B               | 430 U                 |
| Thallium  |            | 0.43 U              | 0.5 U               | 0.42 U            | 0.43 U               | 0.46 U                | 0.45 U              | 0.44 U              | 0.47 U                |
| Vanadium  |            | 84.5                | 112                 | 120               | 109                  | 130                   | 126                 | 37.9                | 89.6                  |
| Zinc      |            | 585                 | 51.4                | 51.7              | 52.3                 | 65.2                  | 57.1                | 57.2                | 87.2                  |

Analyte concentrations in milligrams per kilogram (parts per million [ppm]).

Analyses were performed by Enseco-East of Somerset, New Jersey, using standard U.S. Environmental Protection Agency methodology.

\* Duplicate analysis not within control limits.

B The analyte was also detected in an associated blank at an comparable concentration.

J Estimated result.

U The analyte was analyzed for, but not detected at the corresponding reporting limits.

Table 4. Concentrations of Cyanide, Total in Soil Samples Collected in March and April 1994 at the Tutu Wells Site, St. Thomas, U.S. Virgin Islands.

| Analyte        | Sample ID: MW-13<br>(2.0-3.5')                                                               |        |        |        |        |        |        |        |        |  |
|----------------|----------------------------------------------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--|
|                | Date: 29-Mar-94 28-Mar-94 4-Apr-94 4-Apr-94 28-Mar-94 26-Mar-94 6-Apr-94 31-Mar-94 31-Mar-94 |        |        |        |        |        |        |        |        |  |
| Cyanide, Total | 0.58 U                                                                                       | 0.79 U | 0.52 U | 0.54 U | 0.53 U | 0.57 U | 0.56 U | 0.54 U | 0.59 U |  |

Analyte concentrations in milligrams per kilogram (parts per million [ppm]).

Analyses were performed by Enseco-East of Somerset, New Jersey, using standard U.S. Environmental Protection Agency methodology.

U The compound was analyzed for, but not detected at the corresponding reporting limits.

Table 5. Concentrations of Total Petroleum Hydrocarbons in Soil Samples Collected in March and April 1994 at the Tutu Wells Site, St. Thomas, U.S. Virgin Islands.

| Analyte                      | Sample ID: | MW-13<br>(2.0-3.5') | MW-15<br>(4.0-6.0') | MW-16<br>(0-3.0') | MW-16 FR<br>(0-3.0') | MW-17<br>(6.0-8.0') | MW-18<br>(12.0-14.0') | MW-19<br>(4.0-8.0') | MW-24<br>(6.5-8.5') | MW-25<br>(12.0-14.0') |
|------------------------------|------------|---------------------|---------------------|-------------------|----------------------|---------------------|-----------------------|---------------------|---------------------|-----------------------|
|                              | Date:      | 29-Mar-94           | 28-Mar-94           | 4-Apr-94          | 4-Apr-94             | 28-Mar-94           | 26-Mar-94             | 6-Apr-94            | 31-Mar-94           | 31-Mar-94             |
| Total Petroleum Hydrocarbons |            | 230                 | 25 U                | 37 J              | 53 J                 | 21 U                | 23 U                  | 23 U                | 22 U                | 23 U                  |

Analyte concentrations in milligrams per kilogram (parts per million [ppm]).  
Analyses were performed by Enseco-East of Somerset, New Jersey, using standard U.S. Environmental Protection Agency methodology.

J Estimated result.  
U The compound was analyzed for, but not detected at the corresponding reporting limits.