

Table 1. Concentrations of Volatile Organic Compounds in Soil Samples Collected in August 1992 at the Tutu Wells Site, St. Thomas, Virgin Islands.

Analyte	Sample ID: B-14 (0-2.0')		
	Date: 14-Aug-92	14-Aug-92	14-Aug-92
Chloromethane	11 U	12 U	11 U
Bromomethane	11 U	12 U	11 U
Vinyl chloride	11 U	12 U	11 U
Chloroethane	11 U	12 U	11 U
Methylene chloride	9 J	9 J	8 J
Acetone	11 U	12 U	11 U
Carbon disulfide	11 U	12 U	11 U
1,1-Dichloroethene	11 U	12 U	11 U
1,1-Dichloroethane	11 U	12 U	11 U
1,2-Dichloroethene (cis/trans)	11 U	12 U	11 U
Chloroform	11 U	12 U	11 U
1,2-Dichloroethane	11 U	12 U	11 U
2-Butanone	11 U	12 U	11 U
1,1,1-Trichloroethane	11 U	12 U	11 U
Carbon tetrachloride	11 U	12 U	11 U
Bromodichloromethane	11 U	12 U	11 U
1,2-Dichloropropane	11 U	12 U	11 U
cis-1,3-Dichloropropene	11 U	12 U	11 U
Trichloroethene	11 U	6 J	11 U
Dibromochloromethane	11 U	12 U	11 U
1,1,2-Trichloroethane	11 U	12 U	11 U
Benzene	11 U	12 U	11 U
trans-1,3-Dichloropropene	11 U	12 U	11 U
Bromoform	11 U	12 U	11 U
4-Methyl-2-pentanone	11 U	12 U	11 U
2-Hexanone	11 U	12 U	11 U
1,1,2,2-Tetrachloroethane	11 U	12 U	11 U
Tetrachloroethene	72	170	23
Toluene	2 J	12	11 J
Chlorobenzene	11 U	12 U	11 U
Ethylbenzene	11 U	12 U	11 U
Styrene	11 U	12 U	11 U
Xylenes (total)	11 U	12 U	11 U
1,2-Dibromoethane (EDB)	5.7 U	6 U	5.6 U
tert-Butyl methyl ether	11 U	12 U	11 U
n-Propylbenzene	5.7 U	6 U	5.6 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 Result is detected below the reporting limit and/or is an estimated concentration.

U Compound or element analyzed for, but not detected at the corresponding reporting limit.

Table 2. Concentrations of Volatile Organic Compounds in the Field Blank and the Trip Blank Collected in August 1992 at the Tutu Wells Site, St. Thomas, Virgin Islands.

Analyte	Sample ID: Field Blank		Trip Blank	
	Date:	14-Aug-92	14-Aug-92	
Chloromethane		10 U	10 U	
Bromomethane		10 U	10 U	
Vinyl chloride		10 U	10 U	
Chloroethane		10 U	10 U	
Methylene chloride		10 U	2 J	
Acetone		10 U	10 U	
Carbon disulfide		10 U	10 U	
1,1-Dichloroethene		10 U	10 U	
1,1-Dichloroethane		10 U	10 U	
1,2-Dichloroethene (cis/trans)		10 U	10 U	
Chloroform		10 U	10 U	
1,2-Dichloroethane		10 U	10 U	
2-Butanone		10 U	10 U	
1,1,1-Trichloroethane		10 U	10 U	
Carbon tetrachloride		10 U	10 U	
Bromodichloromethane		10 U	10 U	
1,2-Dichloropropane		10 U	10 U	
trans-1,3-Dichloropropene		10 U	10 U	
Trichloroethene		10 U	10 U	
Dibromochloromethane		10 U	10 U	
1,1,2-Trichloroethane		10 U	10 U	
Benzene		10 U	10 U	
cis-1,3-Dichloropropene		10 U	10 U	
Bromoform		10 U	10 U	
4-Methyl-2-pentanone		10 U	10 U	
2-Hexanone		10 U	10 U	
1,1,2,2-Tetrachloroethane		10 U	10 U	
Tetrachloroethene		10 U	10 U	
Toluene		10 U	10 U	
Chlorobenzene		10 U	10 U	
Ethylbenzene		10 U	10 U	
Styrene		10 U	10 U	
Xylenes (total)		10 U	10 U	
1,2-Dibromoethane (EDB)		5 U	5 U	
tert-Butyl methyl ether		10 U	10 U	
n-Propylbenzene		5 U	5 U	

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

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

J Result is detected below the reporting limit and/or is an estimated concentration.

U Compound or element analyzed for, but not detected at the corresponding reporting limit.

Table 3. Concentrations of Base Neutral and Acid Extractable Organic Compounds in Soil Samples Collected in August 1992 at the Tutu Wells Site, St. Thomas, Virgin Islands.

Analyte	Sample ID: B-14 (0-2.0')		
	Date:	14-Aug-92	14-Aug-92
Acenaphthene	370 U	390 U	370 U
Acenaphthylene	370 U	390 U	370 U
Anthracene	370 U	390 U	370 U
9H-Carbazole	370 U	390 U	370 U
Benzo(a)anthracene	370 U	390 U	370 U
Benzo(a)pyrene	370 U	390 U	370 U
Benzo(b)fluoranthene	370 U	390 U	370 U
Benzo(g,h,i)perylene	370 U	390 U	370 U
Benzo(k)fluoranthene	370 U	390 U	370 U
4-Bromophenyl phenyl ether	370 U	390 U	370 U
Butyl benzyl phthalate	370 U	390 U	58 J
4-Chloroaniline	370 U	390 U	370 U
bis(2-Chloroethoxy)methane	370 U	390 U	370 U
bis(2-Chloroethyl)ether	370 U	390 U	370 U
bis(2-Chloroisopropyl)ether	370 U	390 U	370 U
4-Chloro-3-methylphenol	370 U	390 U	370 U
2-Chloronaphthalene	370 U	390 U	370 U
2-Chlorophenol	370 U	390 U	370 U
4-Chlorophenyl phenyl ether	370 U	390 U	370 U
Chrysene	370 U	390 U	370 U
Di-n-butyl phthalate	370 U	390 U	370 U
Dibenz(a,h)anthracene	370 U	390 U	370 U
Dibenzofuran	370 U	390 U	370 U
1,2-Dichlorobenzene	370 U	390 U	370 U
1,3-Dichlorobenzene	370 U	390 U	370 U
1,4-Dichlorobenzene	370 U	390 U	370 U
3,3'-Dichlorobenzidine	370 U	390 U	370 U
2,4-Dichlorophenol	370 U	390 U	370 U
Diethyl phthalate	370 U	390 U	370 U
2,4-Dimethylphenol	370 U	390 U	370 U
Dimethyl phthalate	370 U	390 U	370 U
4,6-Dinitro-2-methylphenol	910 U	950 U	890 U
2,4-Dinitrophenol	910 U	950 U	890 U
2,4-Dinitrotoluene	370 U	390 U	370 U
2,6-Dinitrotoluene	370 U	390 U	370 U
Di-n-octyl phthalate	370 U	390 U	370 U
bis(2-Ethylhexyl)phthalate	370 U	390 U	110 J
Fluoranthene	370 U	390 U	370 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 Result is detected below the reporting limit and/or is an estimated concentration.

U Compound or element analyzed for, but not detected at the corresponding reporting limit.

Table 3. Concentrations of Base Neutral and Acid Extractable Organic Compounds in Soil Samples Collected in August 1992 at the Tutu Wells Site, St. Thomas, Virgin Islands.

Analyte	Sample ID: B-14 (0-2.0')		
	Date:	14-Aug-92	14-Aug-92
Fluorene	370 U	390 U	370 U
Hexachlorobenzene	370 U	390 U	370 U
Hexachlorobutadiene	370 U	390 U	370 U
Hexachlorocyclopentadiene	370 U	390 U	370 U
Hexachloroethane	370 U	390 U	370 U
Indeno(1,2,3-cd)pyrene	370 U	390 U	370 U
Isophorone	370 U	390 U	370 U
2-Methylnaphthalene	370 U	390 U	370 U
2-Methylphenol	370 U	390 U	370 U
4-Methylphenol	370 U	390 U	370 U
Naphthalene	370 U	390 U	370 U
2-Nitroaniline	910 U	950 U	890 U
3-Nitroaniline	910 U	950 U	890 U
4-Nitroaniline	910 U	950 U	890 U
Nitrobenzene	370 U	390 U	370 U
2-Nitrophenol	370 U	390 U	370 U
4-Nitrophenol	910 U	950 U	870 U
N-Nitrosodiphenylamine	370 U	390 U	370 U
N-Nitroso-di-n-propylamine	370 U	390 U	370 U
Pentachlorophenol	910 U	950 U	890 U
Phenanthrene	370 U	390 U	370 U
Phenol	370 U	390 U	370 U
Pyrene	370 U	390 U	370 U
1,2,4-Trichlorobenzene	370 U	390 U	370 U
2,4,5-Trichlorophenol	910 U	950 U	890 U
2,4,6-Trichlorophenol	370 U	390 U	370 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 Result is detected below the reporting limit and/or is an estimated concentration.
 U Compound or element analyzed for, but not detected at the corresponding reporting limit.

Table 4. Concentrations of Base Neutral and Acid Extractable Organic Compounds in the Field Blank Collected in August 1992 at the Tutu Wells Site, St. Thomas, Virgin Islands.

Sample ID: Field Blank	
Analyte	Date: 14-Aug-92
Acenaphthene	10 U
Acenaphthylene	10 U
Anthracene	10 U
9H-Carbazole	10 U
Benzo(a)anthracene	10 U
Benzo(b)fluoranthene	10 U
Benzo(k)fluoranthene	10 U
Benzo(g,h,i)perylene	10 U
Benzo(a)pyrene	10 U
4-Bromophenyl phenyl ether	10 U
Butyl benzyl phthalate	10 U
4-Chloroaniline	10 U
bis(2-Chloroethoxy)methane	10 U
bis(2-Chloroethyl)ether	10 U
bis(2-Chloroisopropyl)ether	10 U
4-Chloro-3-methylphenol	10 U
2-Chloronaphthalene	10 U
2-Chlorophenol	10 U
4-Chlorophenyl phenyl ether	10 U
Chrysene	10 U
Dibenz(a,h)anthracene	10 U
Dibenzofuran	10 U
Di-n-butyl phthalate	10 U
1,2-Dichlorobenzene	10 U
1,3-Dichlorobenzene	10 U
1,4-Dichlorobenzene	10 U
3,3'-Dichlorobenzidine	10 U
2,4-Dichlorophenol	10 U
Diethyl phthalate	10 U
2,4-Dimethylphenol	10 U
Dimethyl phthalate	10 U
4,6-Dinitro-2-methylphenol	25 U
2,4-Dinitrophenol	25 U
2,4-Dinitrotoluene	10 U
2,6-Dinitrotoluene	10 U
Di-n-octyl phthalate	10 U
bis(2-Ethylhexyl)phthalate	47 B
Fluoranthene	10 U

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

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

B Analyte is detected in the laboratory blank.

U Compound or element analyzed for, but not detected at the corresponding reporting limit.

Table 4. Concentrations of Base Neutral and Acid Extractable Organic Compounds in the Field Blank Collected in August 1992 at the Tutu Wells Site, St. Thomas, Virgin Islands.

Sample ID: Field Blank	
Analyte	Date: 14-Aug-92
Fluorene	10 U
Hexachlorobenzene	10 U
Hexachlorobutadiene	10 U
Hexachlorocyclopentadiene	10 U
Hexachloroethane	10 U
Indeno(1,2,3-cd)pyrene	10 U
Isophorone	10 U
2-Methylnaphthalene	10 U
2-Methylphenol	10 U
4-Methylphenol	10 U
Naphthalene	10 U
2-Nitroaniline	25 U
3-Nitroaniline	25 U
4-Nitroaniline	25 U
Nitrobenzene	10 U
2-Nitrophenol	10 U
4-Nitrophenol	25 U
N-Nitrosodiphenylamine	10 U
N-Nitroso-di-n-propylamine	10 U
Pentachlorophenol	25 U
Phenanthrene	10 U
Phenol	10 U
Pyrene	10 U
1,2,4-Trichlorobenzene	10 U
2,4,5-Trichlorophenol	25 U
2,4,6-Trichlorophenol	10 U

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

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

B Analyte is detected in the laboratory blank.

U Compound or element analyzed for, but not detected at the corresponding reporting limit.

Table 5. Concentrations of Metals in Soil Samples Collected in August 1992 at the Tutu Wells Site, St. Thomas, Virgin Islands.

Analyte	Sample ID: B-14 (0-2.0')		
	Date: 14-Aug-92	14-Aug-92	14-Aug-92
Aluminum	25300	26400	18900
Antimony	7.3 BN	6.4 BN	6.8 BN
Arsenic	0.46 U	1.3 B	11.6
Barium	34.5 B	32.1 B	39.9 B
Beryllium	0.23 U	0.23 U	0.22 U
Cadmium	0.7 U	0.7 U	0.99 B
Calcium	120000 *	89400 *	68800 *
Chromium	13.8 N	27.3 N	36.4 N
Cobalt	20	23.2	19
Copper	48.3 N	65.9 N	72.1 N
Iron	28000	32600	30600
Lead	2.9	12.2	45.6 N*
Magnesium	26200	22900	16300
Manganese	757	809	599
Mercury	0.06 U	0.06 U	0.57
Nickel	11.1	16.5	15.7
Potassium	161 B	389 B	506 B
Selenium	0.46 UW	0.46 UW	0.44 U
Silver	0.93 B	1.1 B	1.3 B
Sodium	181 B	281 B	396 B
Thallium	0.7 U	0.7 U	0.67 U
Vanadium	95.8 N	98.8 N	79.7 N
Zinc	50.9	206	459

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

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

- * Duplicate analysis not within control limits.
- B Reported value is between contract required detection limit (CRDL) and instrument detection limit (IDL).
- N Spiked sample recovery not within control limits.
- U Compound or element analyzed for, but not detected at the corresponding reporting limit.
- W Post-digestion spike for graphite furnace atomic absorption (GFAA) out of control limits.

10/27/92 5:28 pm

Table 6. Concentrations of Metals in the Field Blank Collected in August 1992 at the Tutu Wells Site, St. Thomas, Virgin Islands.

Sample ID: Field Blank	
Analyte	Date: 14-Aug-92
Aluminum	32 U
Antimony	20 U
Arsenic	2 U
Barium	1 U
Beryllium	1 U
Cadmium	3 U
Calcium	73.2 B
Chromium	4 U
Cobalt	4 U
Copper	4 U
Iron	9.5 B
Lead	1 U
Magnesium	35 U
Manganese	1.1 B
Mercury	0.1 U
Nickel	8 U
Potassium	560 U
Selenium	2 U
Silver	4 U
Sodium	222 B
Thallium	3 U
Vanadium	4 U
Zinc	2 U

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

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

- B Reported value is between contract required detection limit (CRDL) and instrument detection limit (IDL).
 U Compound or element analyzed for, but not detected at the corresponding reporting limit.

10/27/92 5:17 pm

Table 7. Concentrations of Total Petroleum Hydrocarbons in Soil Samples Collected in August 1992 at the Tutu Wells Site, St. Thomas, Virgin Islands.

Analyte	Sample ID: B-14 (0-2.0')	B-15 (0-2.0')	B-16 (0-2.0')
	Date: 14-Aug-92	14-Aug-92	14-Aug-92
Total Petroleum Hydrocarbons	250 D	<24	82

Analyte concentrations in milligrams per kilogram (parts per million [ppm]).
Analyses were performed by Enseco-East of Somerset, New Jersey, using U.S. Army Corp of Engineers method CE81-1.

D Analyte identified at a secondary dilution.
< Less than. Where an analyte has not been detected, a reporting limit is given.

10/27/92 3:43 pm

Table 8. Concentrations of Total Petroleum Hydrocarbons in the Field Blank Collected in August 1992 at the Tutu Wells Site, St. Thomas, Virgin Islands.

Sample ID: Field
Blank

Analyte

Date: 14-Aug-92

Total Petroleum Hydrocarbons <0.5

Analyte concentrations in milligrams per liter (parts per million [ppm]).
Analyses were performed by Enseco-East of Somerset, New Jersey, using USEPA Method 418.1.

< Less than. Where an analyte has not been detected, a reporting limit is given.

10/27/92 5:55 pm